Norsteel Buildings

BUILDING SPECIFICATIONS

The manufacturer is not responsible for the concrete foundation design. The structure under this contract has been designed and detailed for the loads and conditions stipulated in the contract and shown on these drawings. Any alterations to the structural system or removal of any component parts, or the addition of other construction materials or loads must be done under the advice and direction of a registered architect, civil or structural engineer. The manufacturer will assume no responsibility for any loads not indicated.

This manufactured building is designed with the manufacturer's standard design practices which are based on pertinent procedures and recommendations of the following organizations and codes :

CSSBI – Standard for SBS 30M–06

–CSA S16–14, Limit States Design Of Steel Structures
–CSA Standard S136–14, Cold Formed
–Metal Building Manufacturers Association "Specification for the design fabrication and erection of the structural system" most current edition.

Materail Specifications

ASTM A572 Grade 55 for Structural Plates galvanized G40/Z120

ASTM A653 Grade 55 for Cs and Zs Galvanized G40/Z120

ASTM A792 Grade 80 for roof and wall sheeting AZ 55/AZM 165 galvalume Steel Sheet

Erection: Building Erection shall be as per clause 29 of CSA S16–14. Erection of the building is not the responsibility of the building manufacturer.

CONTRACTOR RESPONSIBILITIES

The contractor must secure all required approvals and permits from the appropriate agency as required.

Approval of the manufacturer's drawings and calculations indicate that the manufacturer has correctly interpreted and applied the requirements of the contract drawings and specifications. (S16–14 (Appendix A)/CISC code of Standard Practice.)

Where discrepancies exist between the manufacturer's structural steel plans and the plans for other trades, the structural steel plans shall govern. (S16–14 (Appendix A)/CISC code of Standard Practice.)

Design considerations of any materials in the structure which are not furnished by the manufacturer, are the responsibility of the contractor and engineers other than the manufacturer's engineering, unless specifically indicated. The contractor is responsible for all erection of steel and associated work in compliance with the manufacturer's "For Construction" drawings.

Temporary supports, such as guys, braces, flashwork or other elements required for the erection will be determined and furnished and installed by the erector. (S16–14 (Appendix A)/CISC code of Standard Practice.)

It is the contractors responsibility to apply or observe all pertinent safety rules and regulations, as per OSHA standards as applicable.

The Contractor is responsible for the verification of all shipments received. Any "external" damage or shortages must be noted on all copies of the bill of lading and one copy is to be retained for your records. Failure to do so will make it impossible for the factory to honor any claim. NO EXCEPTIONS!!!

DESIGN LOADING

This structure is designed utilizing the loads indicated and applied by the :

☐NBC 2019 (NBC 15)

It is the contractor's responsibility to confirm that these loads comply with the requirements of the local building department.

Specific loads : (See structural calculations and foundation reactions.)

21.00	PSF Live Load
50.125	PSF Ground Snow Load, Rain Load (Sr) 8.3600 PSF
8.57	PSF Wind Load 1/50
2.200	PSF Dead Load (Metal Bldg. Weight – Purlins, Panels, Etc.)
3	PSF Collateral Load
II - Normal	Use Category (I = 1.00)

SEISMIC DATA

1) Sa(0.2) = 0.45
2) Sa(0.5) = 0.240
3) Sa(1.0) = 0.12
4) Sa(2.0) = 0.056
5) PGA = 0.2850
6) Seismic Importance Factor: I= 1.00

DRAWING INDEX

CS-1	Drawings Cover Sheet
CS-2	Fastener Schedule
E1	Anchor Bolt Plan
E2	Anchor Bolt Details & Reactions
E3	Rigid Frame Elevation
E4	Sidewall Framing
E5	Endwall Framing
E6	Roof Framing Plan
E7	Sidewall Sheeting
E8	Endwall Sheeting
E9	Detail Drawings
E10/E11	Detail Drawings
E12	Trim Drawings

These Drawings are for :

☒ Construction ☐ Approval *
☐ Permit ☐ Anchor Bolts & Reactions
☐ Other :

* Approval orders must be released for fabrication within thirty (30) calendar days after the submittal drawings are issued or they will be subject to any current price increases. Special attention should be given in approving dimensions and/or details. Please verify requested dimensions by indicating 'OK'.

CAN/CSA A660 Certificate # RNMAN0

T&Z Consulting Services, LLC
Ontario CofA No. 100521725

Engineering Seal

This certification covers parts manufactured and delivered by the manufacturer only, and excludes parts such as doors, windows, foundation design and erection of the building. The buyer is responsible for ensuring all specified loads are in compliance with regulatory authorities.

LICENSED PROFESSIONAL ENGINEER
M. ZHU
100184641
PROVINCE OF ONTARIO

04/10/2024
T & Z Consulting Services, LLC
1428 N Shevlin Court
Sewickley, PA 15143

DSN: MQZ	DWN: SK
DET: AS	CHK: PB

REV:

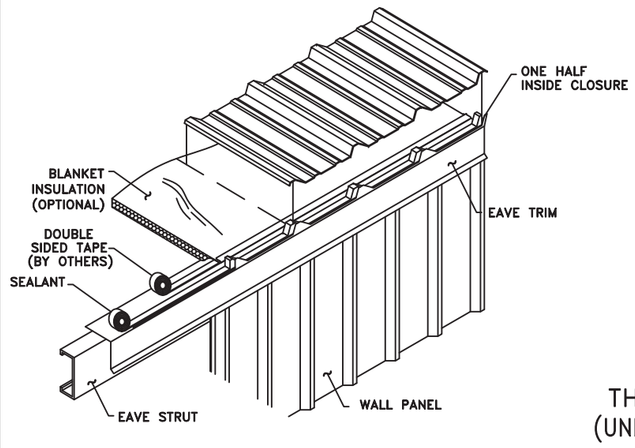
NO.	DATE

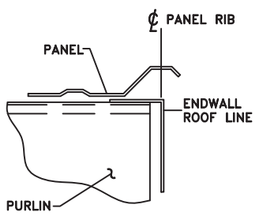
DRAWINGS COVER SHEET

CUSTOMER :
2040503 Ontario Inc/NS24–11
15 Tradesman Road, Vars
Ontario CANADA K0A 3H0

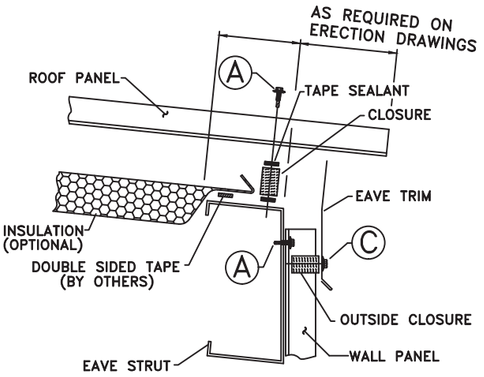
Norsteel Buildings
1405 Denison Street
Markham ON L3R 5V2

SCALE:	DATE:	JOB NO:	SHT. NO:
NOT TO SCALE	3/26/24	011467	CS–1



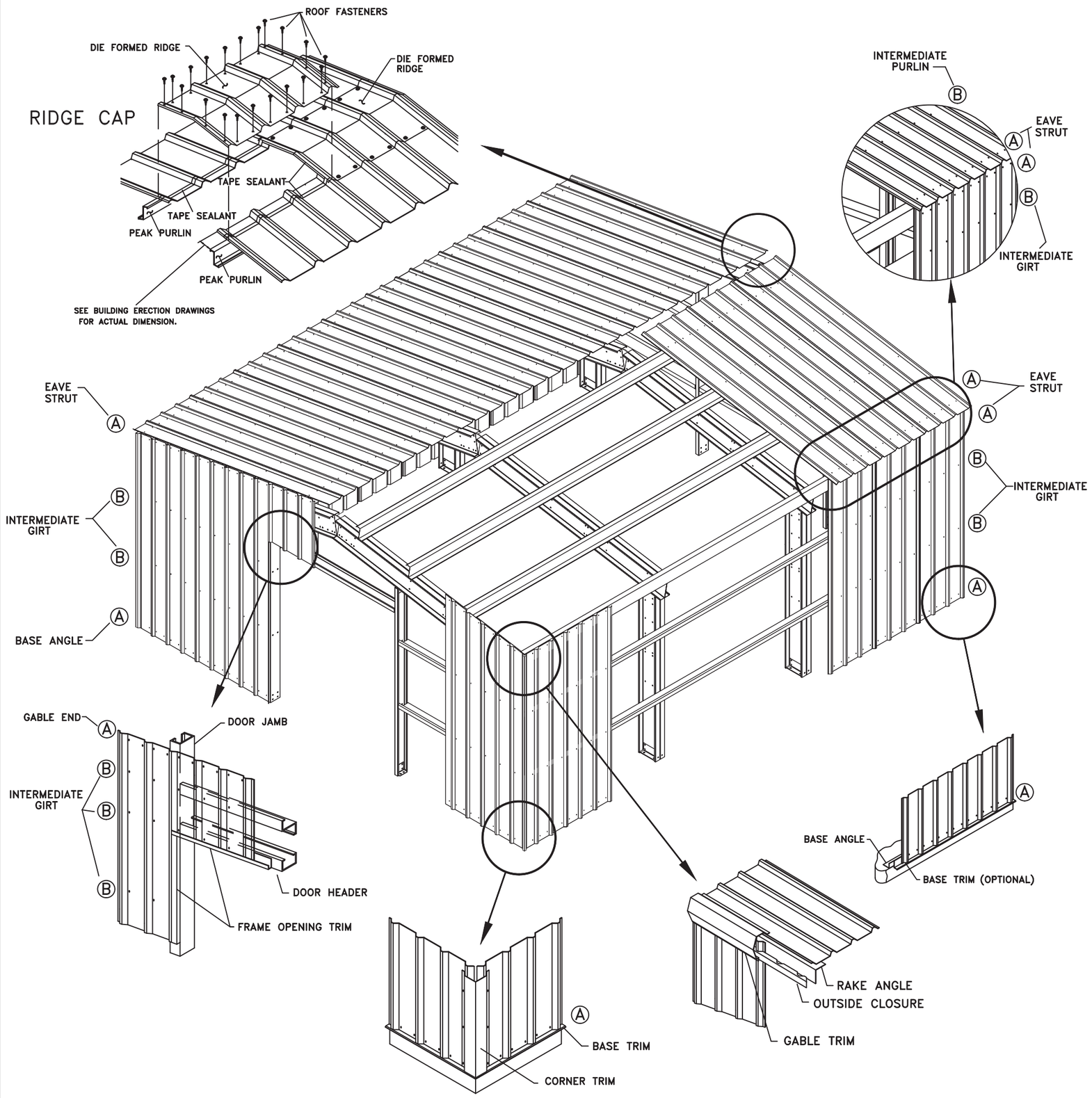


INSTALLATION OF
THE FIRST ROOF PANEL
(UNLESS NOTED ON DRAWINGS)

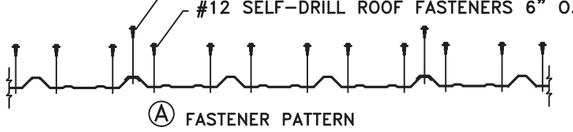


SECTION AT EAVE

FASTENER SCHEDULE

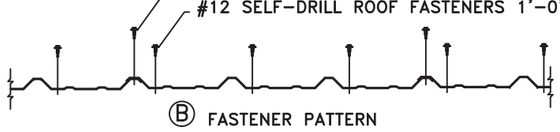


DETAIL: A



Ⓐ FASTENER PATTERN
AT BASE ANGLE, EAVE STRUT AND RIDGE CAP

DETAIL: B



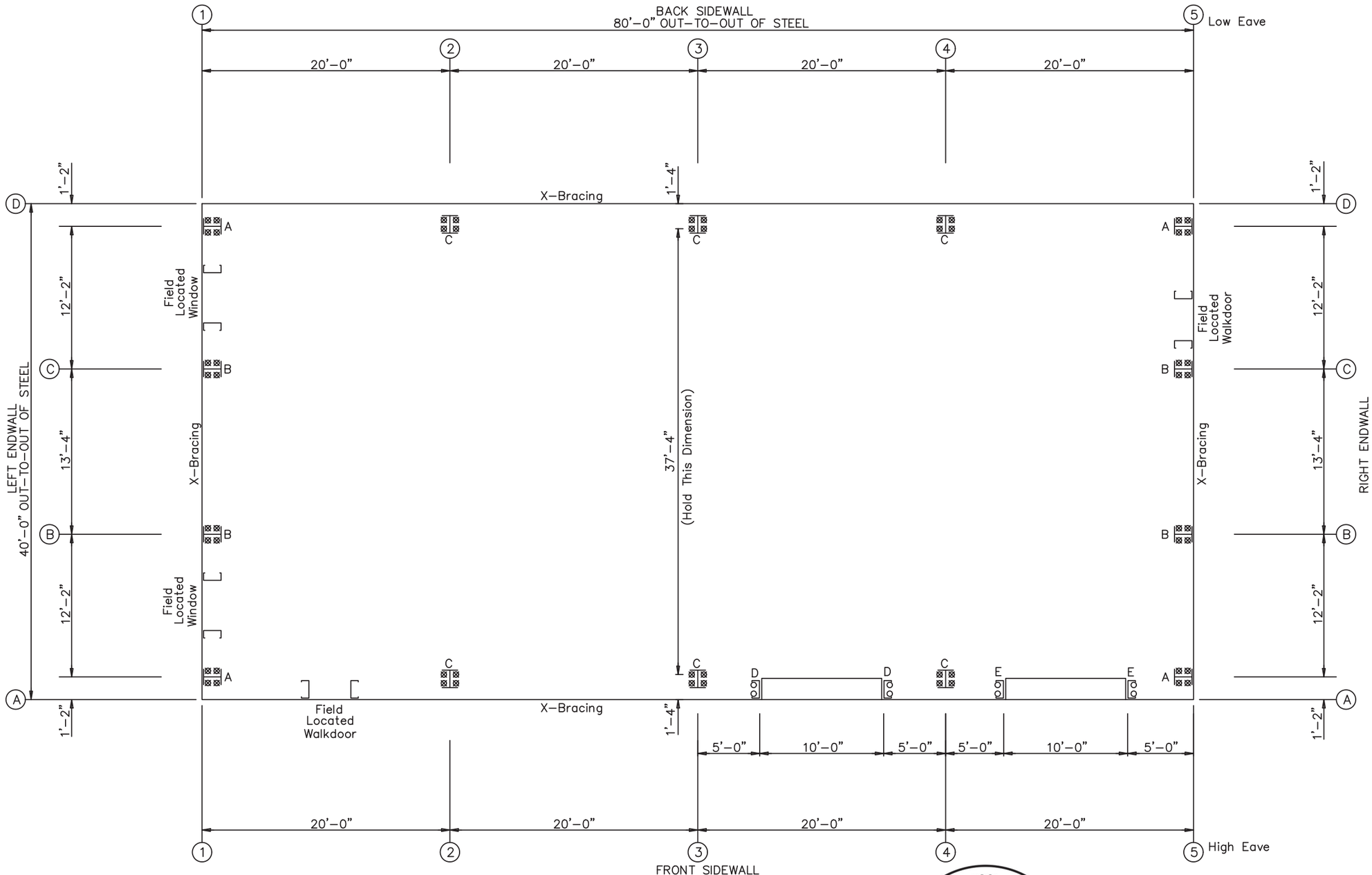
Ⓑ FASTENER PATTERN
AT INTERMEDIATE PURLIN OR GIRT

DETAIL: C

Ⓒ STITCH FASTENER
#14x7/8"
12" ON CENTER

DATE: 3/26/24

DWG NO: CS-2



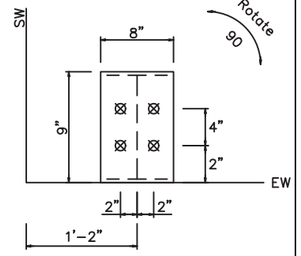
ANCHOR BOLT PLAN

NOTE: All Base Plates @ 100'-0" (U.N.)

LICENSED PROFESSIONAL ENGINEER
M. ZHU
100184641
PROVINCE OF ONTARIO
04/10/2024

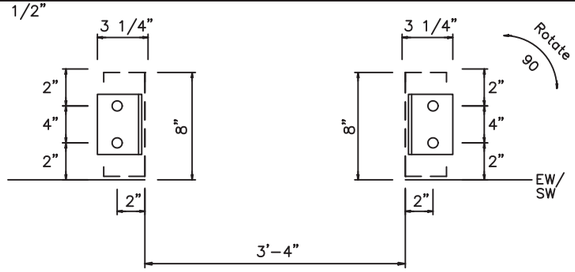
Norsteel Buildings		Customer: 2040503 Ontario Inc/NS24-11	
Markham ON L3R 5V2		Vars ON K0A 3H0	
Drafter: SK	Date: 3/26/24	Designer: MQZ	Date: 3/26/24
Detailer: AS	Date: 3/26/24	Sales ID: NS24-11	Factory ID: 011467
Checker: PB	Date: 3/26/24		
ANCHOR BOLT PLAN			Sht E1 of 12

Dia= 3/4"



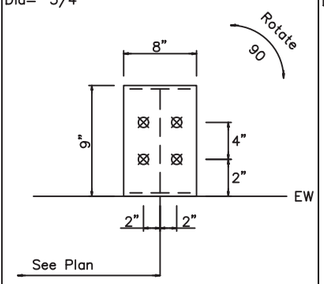
DETAIL A

Dia= 1/2"



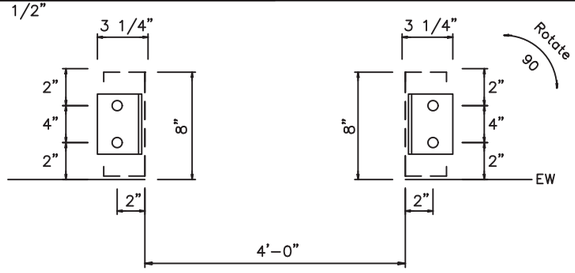
DETAIL OF FIELD LOCATED WALKDOOR

Dia= 3/4"



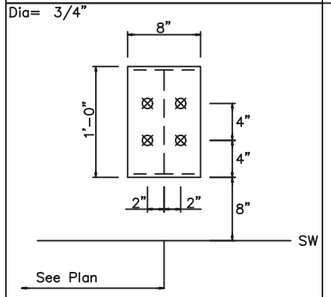
DETAIL B

Dia= 1/2"



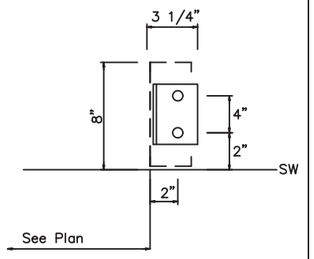
DETAIL OF FIELD LOCATED WINDOW

Dia= 3/4"



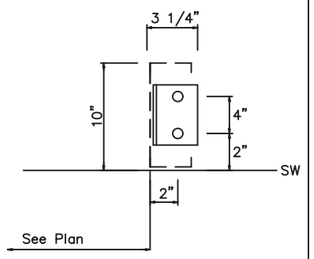
DETAIL C

Dia= 1/2"



DETAIL D

Dia= 1/2"



DETAIL E

NOTES FOR REACTIONS

Building reactions are based on the following building data:

Width (ft)	=	40
Length (ft)	=	80
Eave Height (ft)	=	17 / 20.33
Roof Slope	=	1.0:12 /
Dead Load (psf)	=	2.200
Collateral Load (psf)	=	3
Roof Live Load (psf)	=	21.00
Roof Snow Load (psf)	=	48.49
Wind Load 1:50(psf)	=	8.57
Wind Code	=	ONBC 2019 (NBC 15)
Wind Category	=	2
Exposure	=	O
Importance – Wind	=	1.00
Importance – Seismic	=	1.00
Seismic Data Sa(0.2)	=	0.45
Sa(0.5)	=	0.240
Sa(1.0)	=	0.12
Sa(2.0)	=	0.056

GENERAL NOTES

1. FOUNDATION DESIGN AND CONSTRUCTION ARE NOT THE RESPONSIBILITY OF THE BUILDING MANUFACTURER.
2. THE BUILDING REACTION DATA, REPORTS THE LOADS WHICH THIS BUILDING PLACES ON THE FOUNDATION.
3. THE SPECIFIED ANCHOR BOLT DIAMETER ASSUMES ASTM A307. ANCHOR BOLT MATERIAL OF EQUAL DIAMETER MEETING OR EXCEEDING THE STRENGTH REQUIREMENTS SET FORTH ON THESE DRAWINGS MAY BE UTILIZED AT THE DISCRETION OF THE FOUNDATION DESIGN ENGINEER.
4. ANCHOR BOLTS TO BE SUPPLIED BY OTHERS, ANCHOR BOLT EMBEDMENT LENGHT SHALL BE DETERMINED BY THE FOUNDATION ENGINEER.
5. ANCHOR BOLT PROJECTION ABOVE CONCRETE FINISHED SURFACE TO BE 3" UNLESS OTHERWISE NOTED BY FOUNDATION DESIGNER.
6. ANCHOR BOLTS SHALL BE ACCURATELY SET TO A TOLERANCE OF +/– 1/8" IN ELEVATION AND LOCATION.
7. THE ANCHOR BOLT LOCATIONS PROVIDED BY THE METAL BUILDING MANUFACTURER MAY NOT SATISFY ANCHOR BOLT CONCRETE EDGE DISTANCE REQUIREMENTS DEPENDING ON THE DETAILS OF FOUNDATION DESIGN. IT IS THE RESPONSIBILITY OF THE FOUNDATION DESIGN ENGINEER TO MAKE SURE THAT SUFFICIENT CONCRETE EDGE DISTANCE IS PROVIDED IN THE FOUNDATION DESIGN.
8. MINOR FIELD WORK OF STRUCTURAL, SECONDARY AND PANEL/TRIM ITEMS MAY BE NECESSARY TO ENSURE PROPER FIT. SUCH WORK IS CONSIDERED A NORMAL PART OF METAL BUILDING ERECTION. WE WILL NOT HONOR BACKCHARGES FOR MINOR FIELD WORK.
9. THIS DRAWING IS NOT TO SCALE.

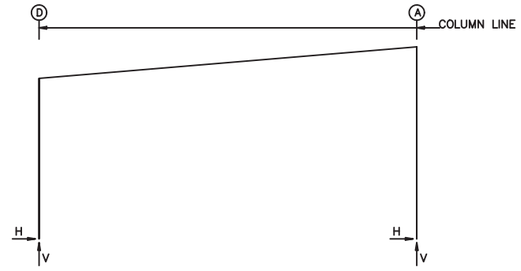
BUILDING BRACING REACTIONS

Wall Loc	Wall Line	Col Line	± Reactions(k) Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Panel Shear (lb/ft) Wind	Seis
L_EW	1	C,B	1.8	2.4	1.5	2.0		
F_SW	A	2,3	2.1	2.0	5.7	5.3		
R_EW	5	B,C	1.8	2.4	1.5	2.0		
B_SW	D	3,2	2.0	1.5	5.7	4.3		

ENDWALL COLUMN: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc. Bolt Qty	Bolt Dia	Base Plate (in) Width	Length	Thick	Grout (in)
1	D	4	0.750	8.000	9.000	0.500	0.0
1	C	4	0.750	8.000	9.000	0.500	0.0
1	B	4	0.750	8.000	9.000	0.500	0.0
1	A	4	0.750	8.000	9.000	0.500	0.0
5	A	4	0.750	8.000	9.000	0.500	0.0
5	B	4	0.750	8.000	9.000	0.500	0.0
5	C	4	0.750	8.000	9.000	0.500	0.0
5	D	4	0.750	8.000	9.000	0.500	0.0

FRAME LINES: 2 3 4



RIGID FRAME: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc. Bolt Qty	Bolt Dia	Base Plate (in) Width	Length	Thick	Grout (in)
2*	D	4	0.750	8.000	12.00	0.500	0.0
2*	A	4	0.750	8.000	12.00	0.500	0.0

2* Frame lines: 2 3 4

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Snow Horiz	Snow Vert	Wind_Left1 Horiz	Wind_Left1 Vert	Wind_Right1 Horiz	Wind_Right1 Vert
2*	D	0.4	1.6	0.3	1.2	2.3	8.3	5.2	19.3	−2.5	−6.5	1.7	−2.9
2*	A	−0.4	1.7	−0.3	1.2	−2.3	8.5	−5.2	19.5	−0.5	−5.3	2.5	−5.2

Frame Line	Column Line	Wind_Left2 Horiz	Wind_Left2 Vert	Wind_Right2 Horiz	Wind_Right2 Vert	Wind_Long1 Horiz	Wind_Long1 Vert	Wind_Long2 Horiz	Wind_Long2 Vert	Seismic_Left Horiz	Seismic_Left Vert	Seismic_Right Horiz	Seismic_Right Vert
2*	D	−3.1	−1.8	1.1	1.8	0.3	−7.3	0.3	−7.3	−1.5	−1.3	1.5	1.3
2*	A	0.0	−0.7	3.1	−0.5	−0.1	−8.0	−0.1	−8.0	−1.2	1.3	1.2	−1.3

Frame Line	Column Line	Seismic_Long Horiz	Seismic_Long Vert	F1UNB_SL_L Horiz	F1UNB_SL_L Vert	F1UNB_SL_R Horiz	F1UNB_SL_R Vert
2*	D	0.0	−4.3	3.9	17.0	3.9	11.9
2*	A	0.0	−5.3	−3.9	12.1	−3.9	17.2

2* Frame lines: 2 3 4

ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)

Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Snow Vert	Wind_Left1 Horz	Wind_Left1 Vert	Wind_Right1 Horz	Wind_Right1 Vert	Wind_Left2 Horz	Wind_Left2 Vert	Wind_Right2 Horz	Wind_Right2 Vert	Wind Press Horz
1	D	0.5	0.2	1.2	2.8	0.0	−1.1	0.0	−0.8	0.0	−0.4	0.0	0.0	−0.7
1	C	0.9	0.4	3.1	7.1	−0.8	−4.0	0.0	0.7	−1.0	−2.6	0.0	2.1	−1.4
1	B	0.9	0.4	3.1	7.1	0.0	−1.9	1.8	−4.2	0.0	0.0	1.6	−2.2	−1.5
1	A	0.6	0.2	1.2	2.8	0.0	−1.1	0.0	−0.8	0.0	−0.5	0.0	−0.2	−0.8

Frm Line	Col Line	Wind Suct Horz	Wind_Long1 Horz	Wind_Long1 Vert	Wind_Long2 Horz	Wind_Long2 Vert	Seis_Left Horz	Seis_Left Vert	Seis_Right Horz	Seis_Right Vert	Seis Long Vert	E1UNB_SL_L Horz	E1UNB_SL_L Vert
1	D	0.5	0.0	−1.2	0.0	−1.2	0.0	0.0	0.0	0.0	0.0	0.0	2.8
1	C	1.0	0.0	−2.3	0.0	−2.3	−1.5	−2.0	0.0	2.1	0.0	0.0	6.9
1	B	1.0	0.5	−3.6	0.5	−3.6	0.0	2.0	1.5	−2.1	0.0	0.0	3.7
1	A	0.6	0.0	−1.1	0.0	−1.1	0.0	0.0	0.0	0.0	0.0	0.0	1.4

Frm Line	Col Line	E1UNB_SL_R Horz	E1UNB_SL_R Vert
1	D	0.0	1.4
1	C	0.0	3.7
1	B	0.0	6.9
1	A	0.0	2.9

Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Snow Vert	Wind_Left1 Horz	Wind_Left1 Vert	Wind_Right1 Horz	Wind_Right1 Vert	Wind_Left2 Horz	Wind_Left2 Vert	Wind_Right2 Horz	Wind_Right2 Vert	Wind Press Horz
5	A	0.6	0.2	1.2	2.8	0.0	−0.8	0.0	−1.1	0.0	−0.2	0.0	−0.5	−0.8
5	B	0.9	0.4	3.1	7.1	−1.8	−4.2	0.0	−1.9	−1.6	−2.2	0.0	0.0	−1.5
5	C	0.9	0.4	3.1	7.1	0.0	0.7	0.8	−4.0	0.0	2.1	1.0	−2.6	−1.4
5	D	0.5	0.2	1.2	2.8	0.0	−0.8	0.0	−1.1	0.0	0.0	0.0	−0.4	−0.7

Frm Line	Col Line	Wind Suct Horz	Wind_Long1 Horz	Wind_Long1 Vert	Wind_Long2 Horz	Wind_Long2 Vert	Seis_Left Horz	Seis_Left Vert	Seis_Right Horz	Seis_Right Vert	Seis Long Vert	E2UNB_SL_L Horz	E2UNB_SL_L Vert
5	A	0.6	0.0	−1.1	0.0	−1.1	0.0	0.0	0.0	0.0	0.0	0.0	2.9
5	B	1.0	−0.5	−3.6	−0.5	−3.6	−1.5	−2.1	0.0	2.0	0.0	0.0	6.9
5	C	1.0	0.0	−2.3	0.0	−2.3	0.0	2.1	1.5	−2.0	0.0	0.0	3.7
5	D	0.5	0.0	−1.2	0.0	−1.2	0.0	0.0	0.0	0.0	0.0	0.0	1.4

Frm Line	Col Line	E2UNB_SL_R Horz	E2UNB_SL_R Vert
5	A	0.0	1.4
5	B	0.0	3.7
5	C	0.0	6.9
5	D	0.0	2.8

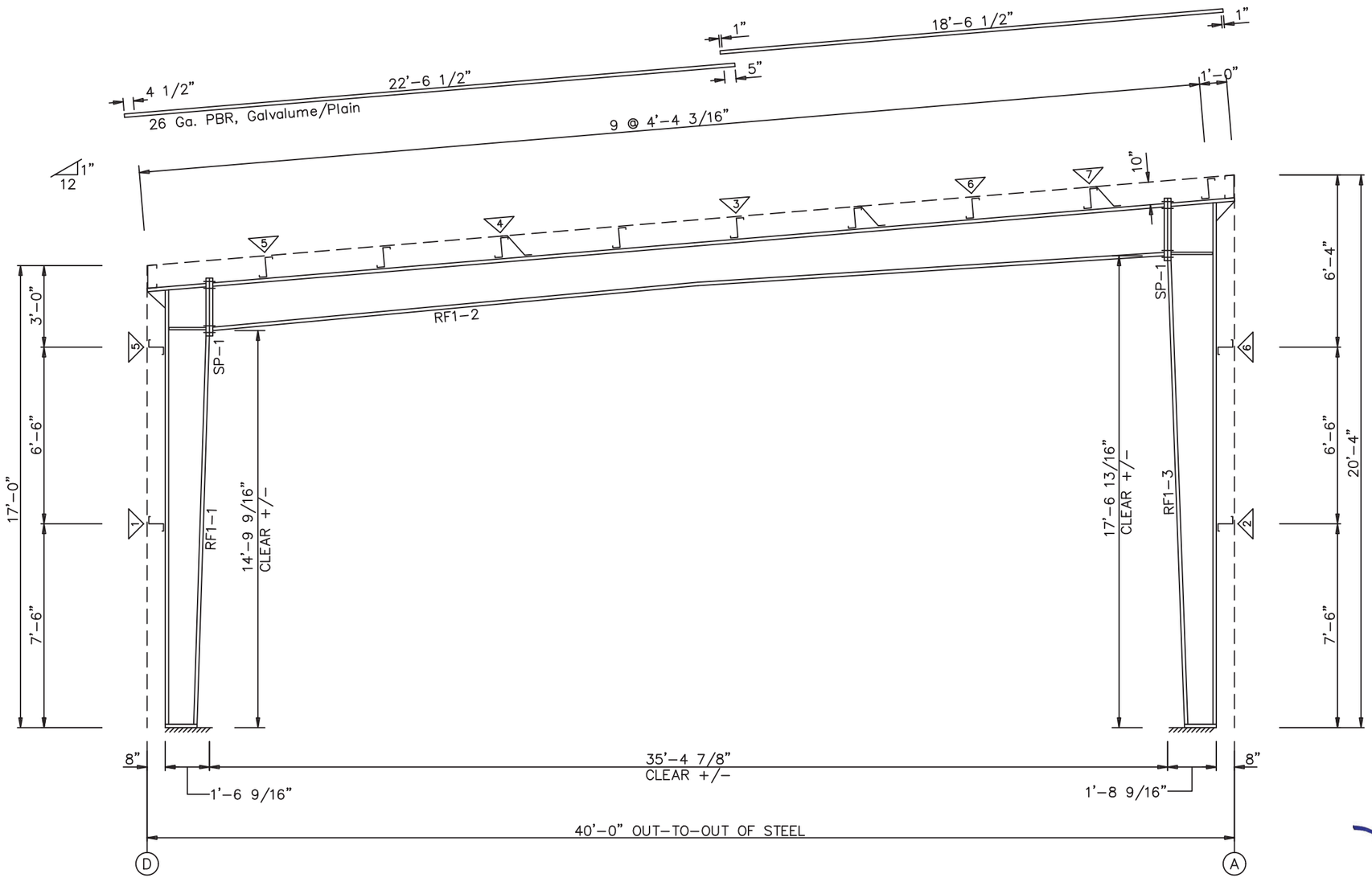
04/10/2024

Norsteel Buildings		Customer: 2040503 Ontario Inc/NS24-11	
Markham ON L3R 5V2		Vars ON K0A 3H0	
Drafter: SK	Date: 3/26/24	Designer: MQZ	Date: 3/26/24
Detailer: AS	Date: 3/26/24	Sales ID: NS24-11	Factory ID: 011467
Checker: PB	Date: 3/26/24		
ANCHOR BOLT DETAILS & REACTIONS		Sht E2 of 12	

SPLICE BOLT TABLE						
Mark	Qty Top	Bot	Int	Type	Dia	Length
SP-1	4	4	0	A325	0.625	2.25

FLANGE BRACE TABLE FRAME LINE 2/3/4			
▽ID	SIDES	MARK	LENGTH
1	1	FB32.5	2'-8 1/2"
2	1	FB32.8	2'-8 3/4"
3	1	FB33.8	2'-9 3/4"
4	1	FB34.3	2'-10 1/4"
5	1	FB34.8	2'-10 3/4"
6	1	FB35.3	2'-10 1/4"
7	1	FB36	3'-0"

MEMBER TABLE					
Mark	Web Depth Start/End	Web Plate Thick	Web Plate Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF1-1	11.0/18.0	0.149	14'-5 3/8"	6 x 1/4" x 16'-1 3/4"	6 x 5/16" x 14'-5 1/2"
	18.0/18.0	0.188	1'-9 7/8"	6 x 3/8" x 2'-2 5/16"	
RF1-2	18.0/16.0	0.188	18'-0 7/16"	6 x 3/8" x 35'-4 7/16"	6 x 1/4" x 18'-0 7/16"
	16.0/20.0	0.188	17'-5 9/16"		6 x 1/4" x 17'-3 7/8"
RF1-3	20.0/20.0	0.188	2'-1 11/16"	6 x 3/8" x 2'-4 5/16"	6 x 5/16" x 17'-2 15/16"
	20.0/11.0	0.149	17'-2 3/4"	6 x 1/4" x 19'-4 3/8"	



RIGID FRAME ELEVATION: FRAME LINE 2 3 4

LICENSED PROFESSIONAL ENGINEER
M. ZHU
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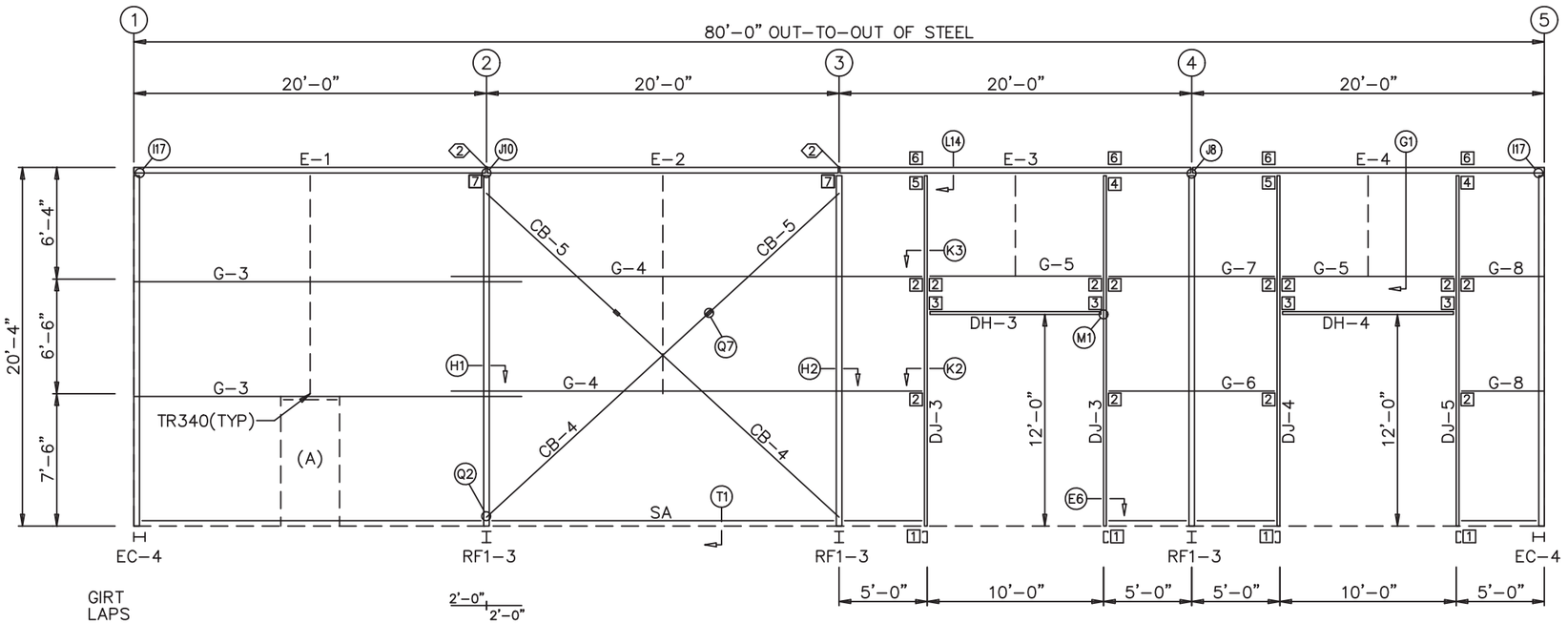
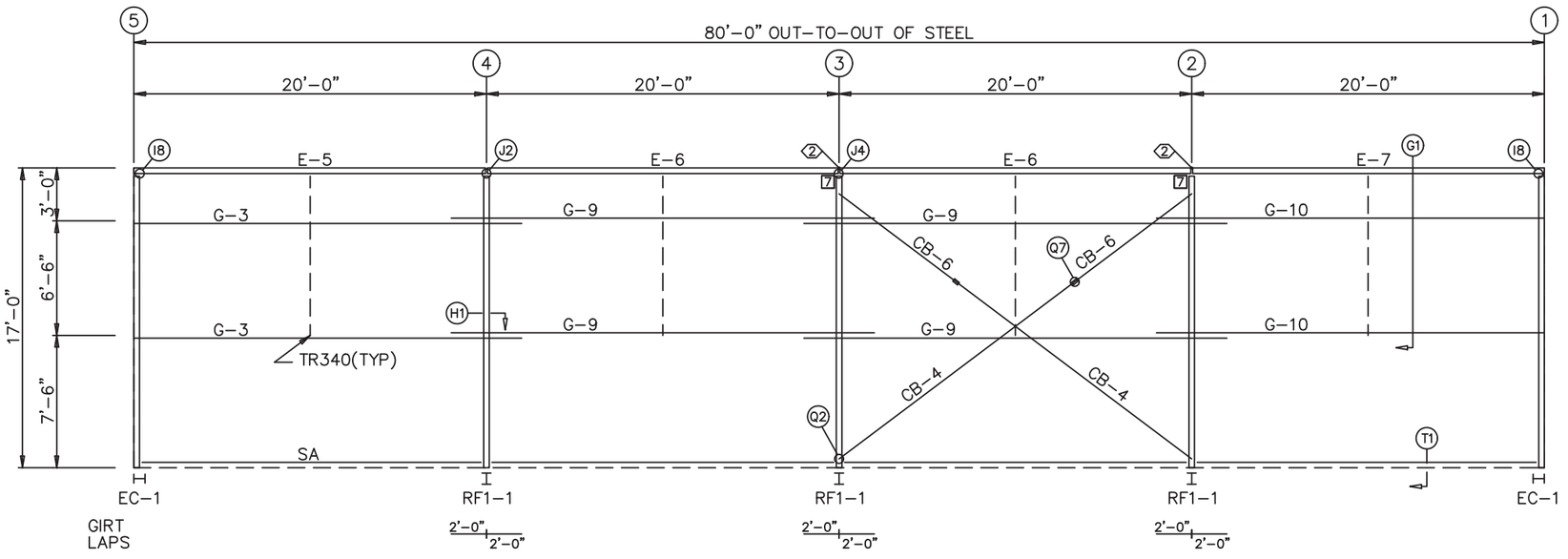
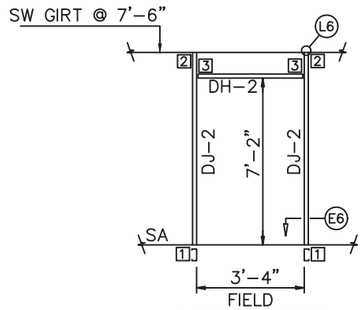
Norsteel Buildings		Customer: 2040503 Ontario Inc/NS24-11	
Markham ON L3R 5V2		Vars ON K0A 3H0	
Drafter: SK	Date: 3/26/24	Designer: MQZ	Date: 3/26/24
Detailer: AS	Date: 3/26/24	Sales ID: NS24-11	Factory ID: 011467
Checker: PB	Date: 3/26/24		
RIGID FRAME ELEVATION			Sht E3 of 12



SIDEWALL FRAMING: FRAME LINE A



SIDEWALL FRAMING: FRAME LINE D



FIELD
3472 WALKDOOR
FRAMED OPENING DETAIL
(1 REQUIRED)
(8" GIRT)
(A)

SPECIAL BOLTS					
◇ ID	QUAN	TYPE	DIA	LENGTH	WASH
2	6	A325T	1/2"	2"	0

MEMBER TABLE
FRAME LINE A & D

MARK	PART	LENGTH
DJ-2	8x275C16	7'-1 1/2"
DJ-3	8x275C16	19'-5 3/8"
DJ-4	10x28C15	19'-5 3/8"
DJ-5	10x28C15	19'-5 3/8"
DH-2	8x275C16	3'-3 1/2"
DH-3	8x275C16	9'-11 1/2"
DH-4	10x28C15	9'-11 1/2"
E-1	10x28E15	19'-11 1/4"
E-2	10x28E15	19'-11 1/2"
E-3	10x28E15	19'-11 1/2"
E-4	10x28E15	19'-11 1/4"
E-5	10x28E15	19'-11 1/4"
E-6	10x28E15	19'-11 1/2"
E-7	10x28E15	19'-11 1/4"
G-3	8x25Z16	21'-11 1/2"
G-4	8x25Z16	26'-7 1/2"
G-5	8x25Z16	9'-11"
G-6	8x25Z15	9'-3"
G-7	8x25Z16	9'-3"
G-8	8x25Z16	4'-7"
G-9	8x25Z16	24'-0"
G-10	8x25Z16	21'-11 1/2"
CB-4	0.63_ROD	20'-0"
CB-5	0.63_ROD	7'-7"
CB-6	0.63_ROD	5'-7"

CONNECTION PLATES
FRAME LINE A & D

ID	MARK/PART
1	CLC008
2	CLC062
3	CLC025
4	SCL-4
5	SCL-3
6	SA
7	CLC154

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Checker: PB	Date: 3/26/24		
SIDEWALL FRAMING			Sht E4 of 12

BOLT TABLE FRAME LINE 1 & 5				
LOCATION	QUAN	TYPE	DIA	LENGTH
ER-1/ER-2	8	A325T	5/8"	2 1/4"
Columns/Raf	8	A325T	1/2"	2"

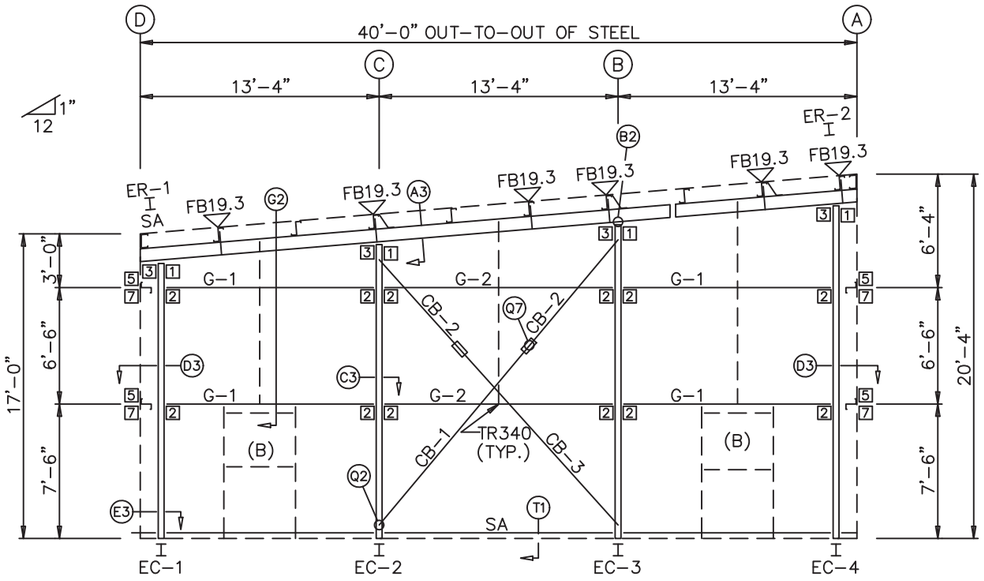
MEMBER TABLE FRAME LINE 1 & 5		
MARK	PART	LENGTH
EC-1	W8X18	15'-5 15/16"
EC-2	W8X18	16'-6 1/8"
EC-3	W8X18	17'-7 7/16"
EC-4	W8X18	18'-7 5/8"
ER-1	W8X18	29'-9 15/16"
ER-2	W8X18	10'-3 3/4"
DJ-1	8x275C16	6'-11 1/2"
DJ-2	8x275C16	7'-1 1/2"
DH-1	8x275C16	3'-11 1/2"
DH-2	8x275C16	3'-3 1/2"
DS-1	8x275C16	3'-11 1/2"
G-1	8x25Z16	11'-5"
G-2	8x25Z16	12'-7"
CB-1	0.50_ROD	16'-5"
CB-2	0.50_ROD	5'-0"
CB-3	0.50_ROD	15'-7"

FLANGE BRACE TABLE FRAME LINE 1 & 5			
▽ID	QUAN	MARK	LENGTH
1	12	FB19.3	1'-7 1/4"

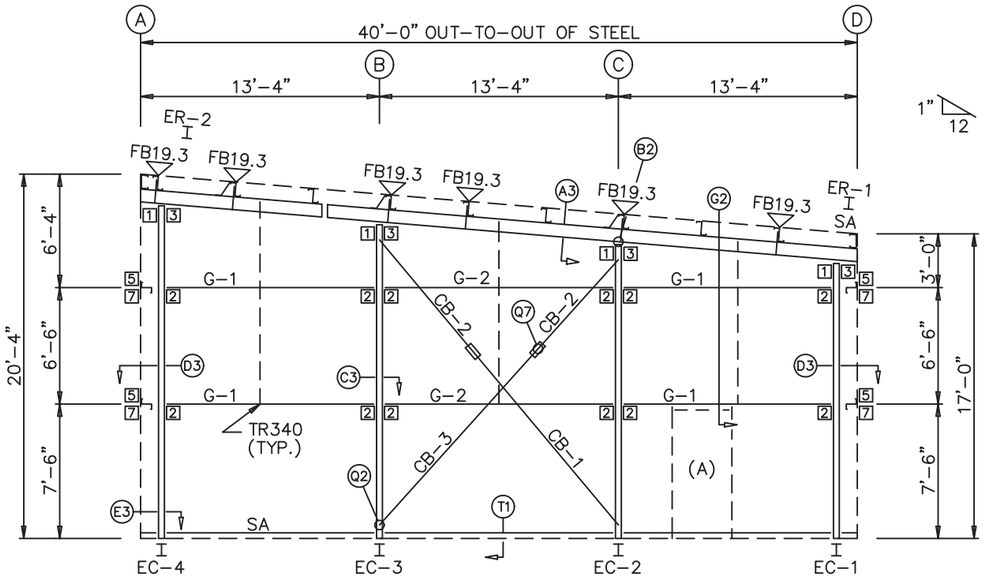
CONNECTION PLATES FRAME LINE 1 & 5	
□ID	MARK/PART
1	CLC081
2	CLC062
3	CLC083
4	CLC025
5	CLC053
6	CLC008
7	SCL-2

* REVERSE CLIP

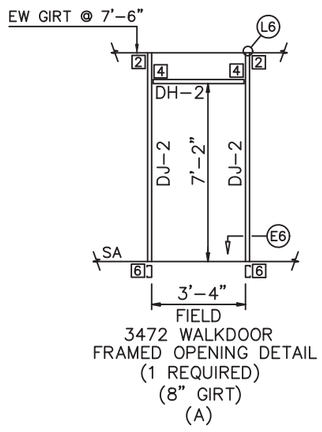
CABLE NOTES:
FIELD SLOT GIRTS FOR CABLE TO PASS-THRU.

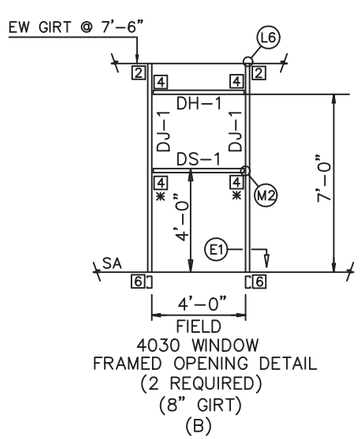


ENDWALL FRAMING: FRAME LINE 1



ENDWALL FRAMING: FRAME LINE 5





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100184641
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Norsteel Buildings		Customer: 2040503 Ontario Inc/NS24-11	
Markham ON L3R 5V2		Vars ON K0A 3H0	
Drafter: SK	Date: 3/26/24	Designer: MQZ	Date: 3/26/24
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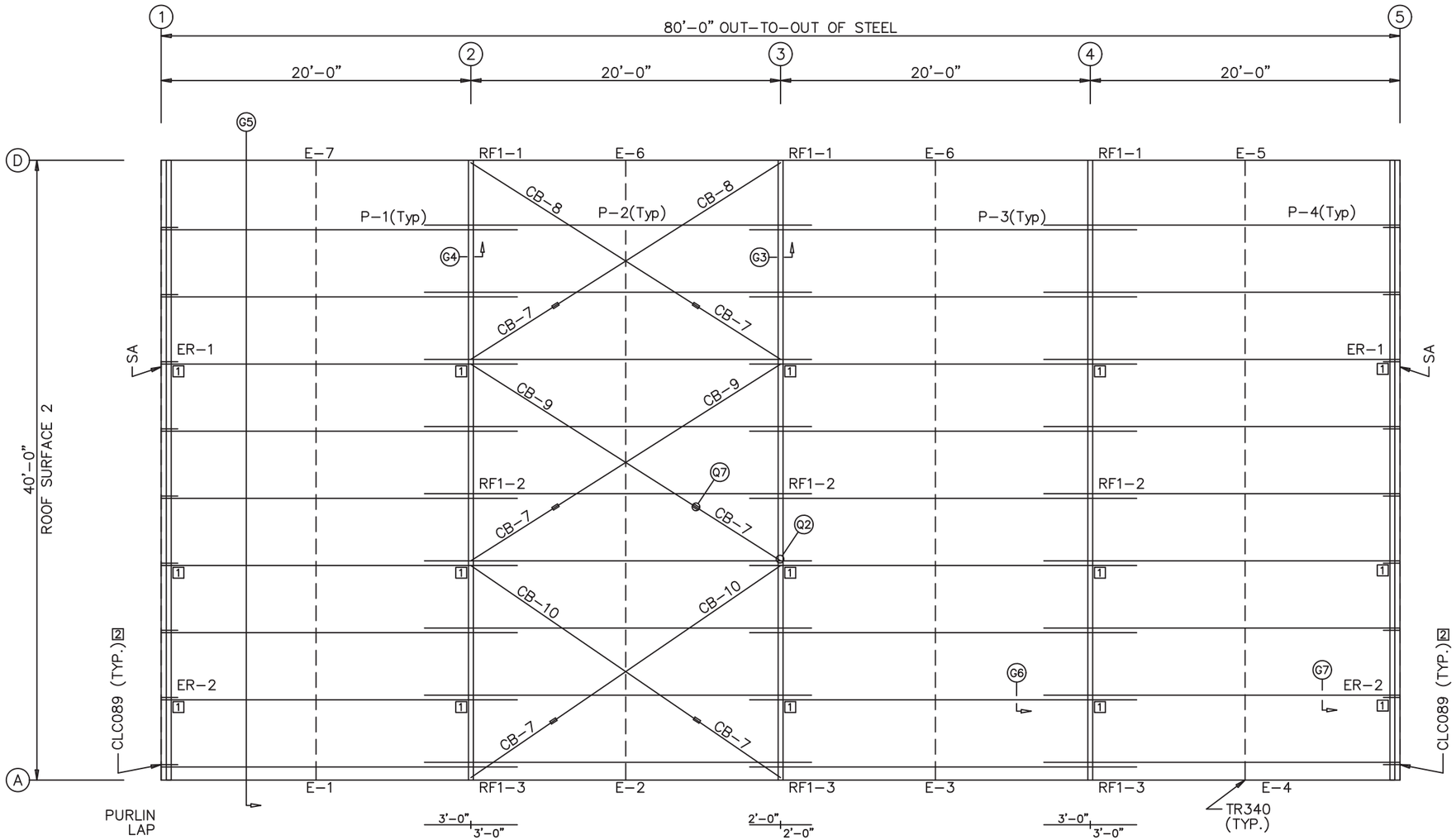
Checker: PB	Date: 3/26/24		
ENDWALL FRAMING			Sht E5 of 12

MEMBER TABLE ROOF PLAN		
MARK	PART	LENGTH
P–1	10x25Z14	22'–11 1/2"
P–2	10x25Z14	25'–0"
P–3	10x25Z14	25'–0"
P–4	10x25Z14	22'–11 1/2"
E–1	10x28E15	19'–11 1/4"
E–2	10x28E15	19'–11 1/2"
E–3	10x28E15	19'–11 1/2"
E–4	10x28E15	19'–11 1/4"
E–5	10x28E15	19'–11 1/4"
E–6	10x28E15	19'–11 1/2"
E–7	10x28E15	19'–11 1/4"
CB–7	0.50_ROD	5'–0"
CB–8	0.50_ROD	18'–6"
CB–9	0.50_ROD	18'–10"
CB–10	0.50_ROD	19'–0"

CONNECTION PLATES ROOF PLAN	
☐ID	MARK/PART
1	CLC156
2	CLC089



ROOF FRAMING PLAN

ROOF SHEETING

PANELS: 26 Ga. PBR
Galvalume/Plain

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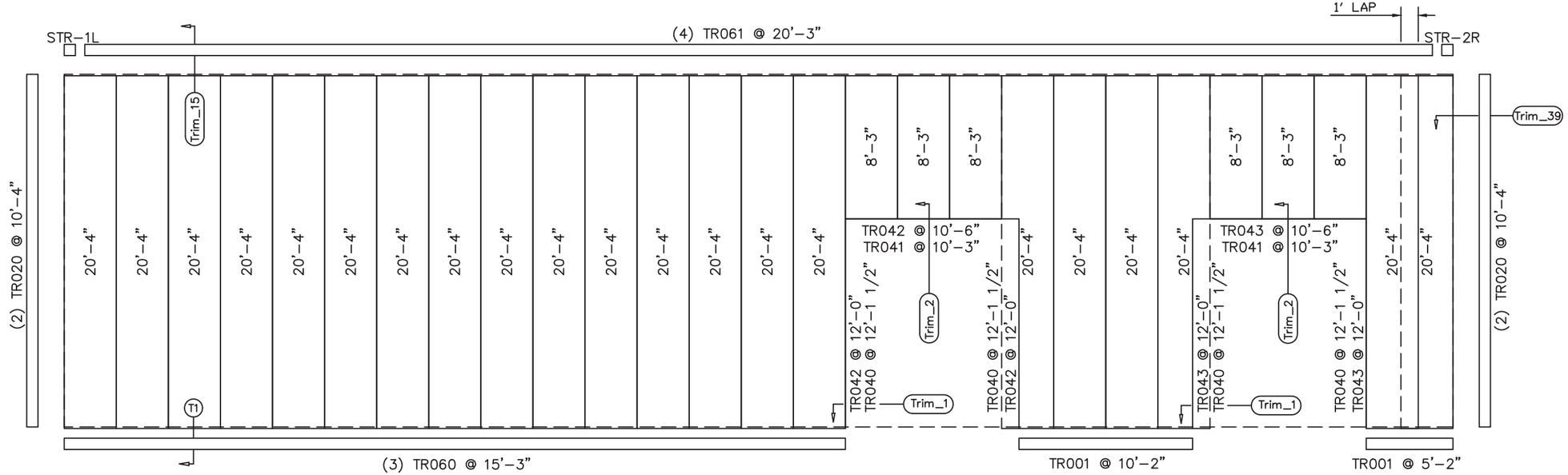
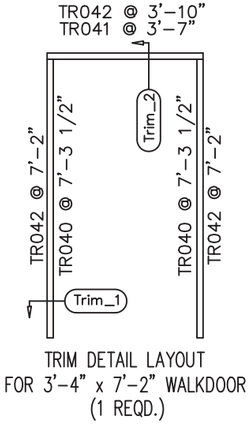
Checker: PB	Date: 3/26/24		
ROOF FRAMING PALN			Sht E6 of 12

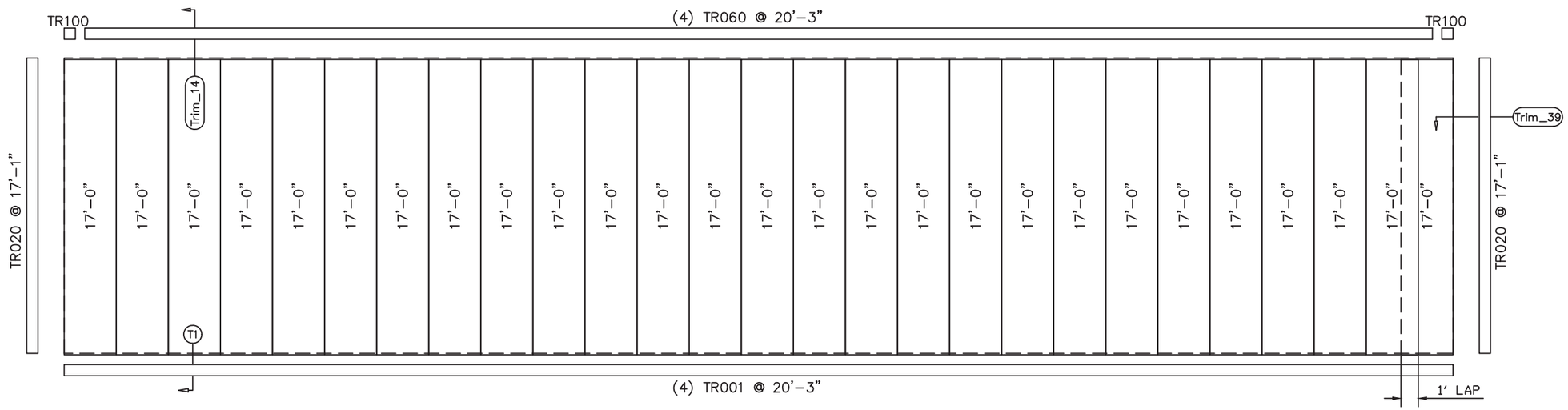


SIDEWALL SHEETING & TRIM: FRAME LINE A

PANELS: 26 Ga. PBR – Slate Gray



TRIM DETAIL LAYOUT
FOR 3'-4" x 7'-2" WALKDOOR
(1 REQD.)



SIDEWALL SHEETING & TRIM: FRAME LINE D

PANELS: 26 Ga. PBR – Slate Gray

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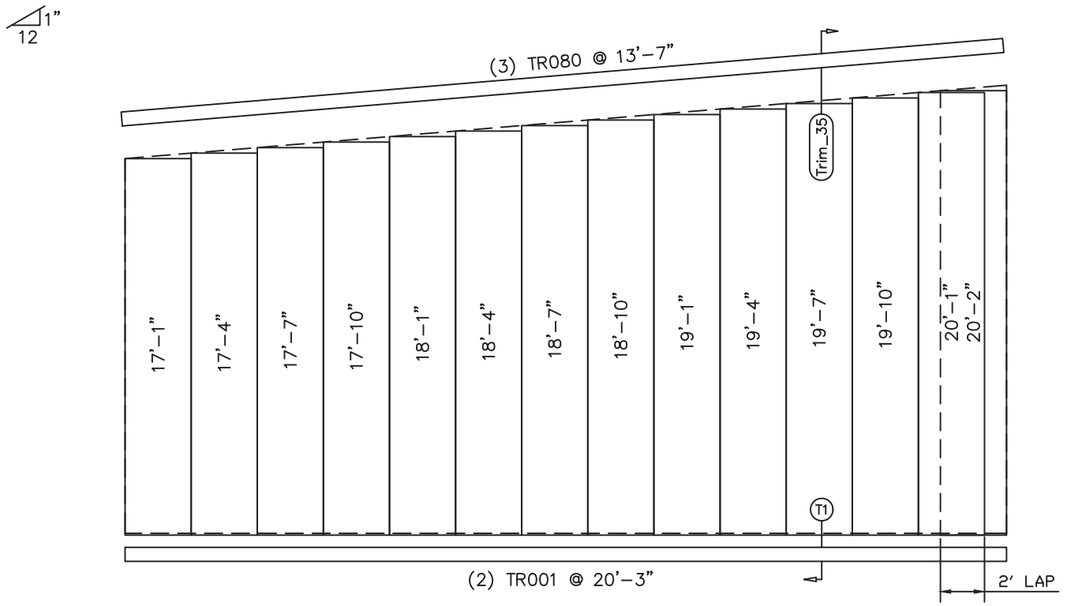
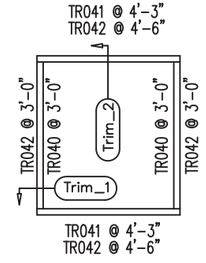
Detailer: AS	Date: 3/26/24	Sales ID: NS24-11	Factory ID: 011467
Checker: PB	Date: 3/26/24		
SIDEWALL SHEETING			Sht E7 of 12

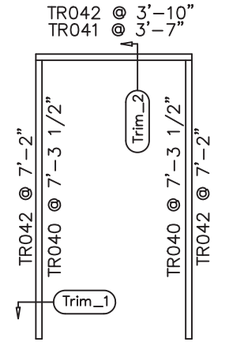


ENDWALL SHEETING & TRIM: FRAME LINE 1

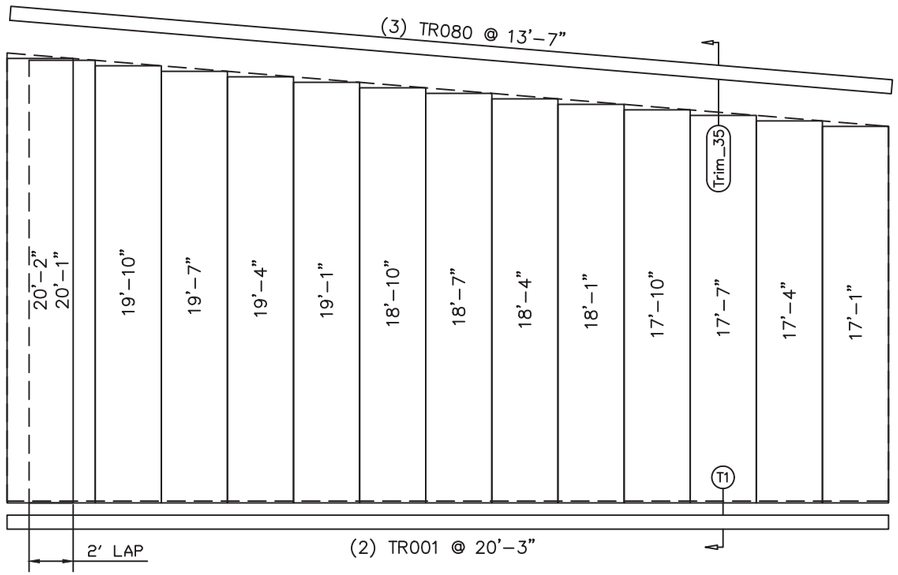
PANELS: 26 Ga. PBR – Slate Gray



TRIM DETAIL LAYOUT
FOR 4'-0" x 3-0" WINDOW
(2 REQD.)



TRIM DETAIL LAYOUT
FOR 3'-4" x 7'-2" WALKDOOR
(1 REQD.)



ENDWALL SHEETING & TRIM: FRAME LINE 5

PANELS: 26 Ga. PBR – Slate Gray

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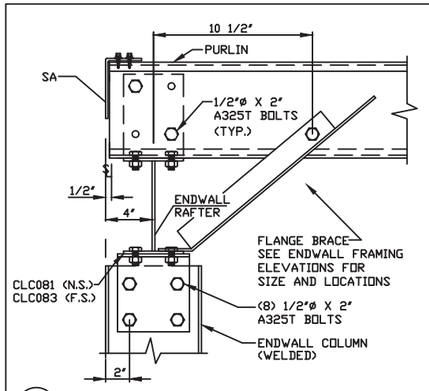
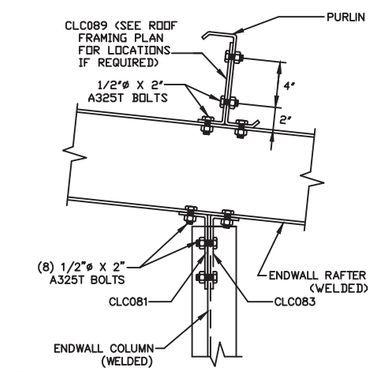
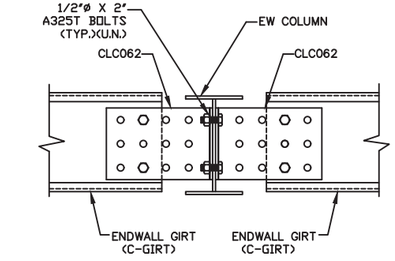
Checker: XX	Date: 3/26/24		
ENDWALL SHEETING			Sht E8 of 12



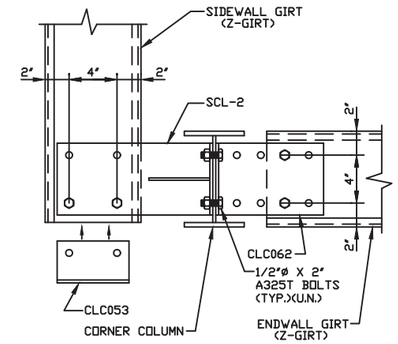
A3 PURLIN TO ENDWALL RAFTER



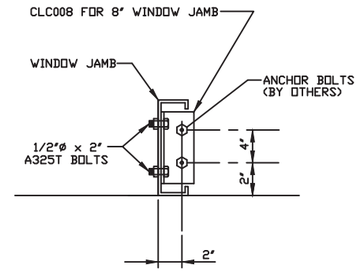
B2 ENDWALL COLUMN TO ENDWALL RAFTER



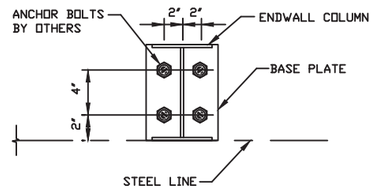
C3 ENDWALL COLUMN GIRT CONNECTION



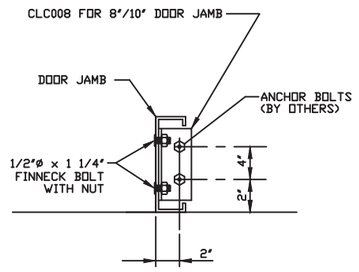
D3 CORNER COLUMN GIRT CONNECTION



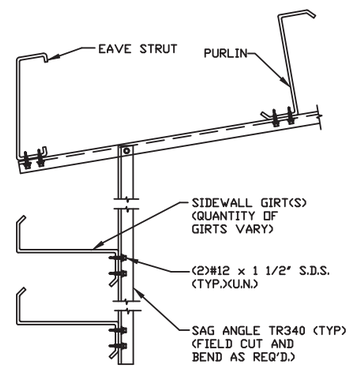
E1 WINDOW JAMB BASE SECTION



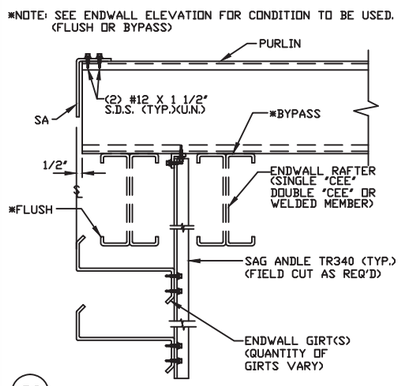
E3 ENDWALL COLUMN BASE SECTION



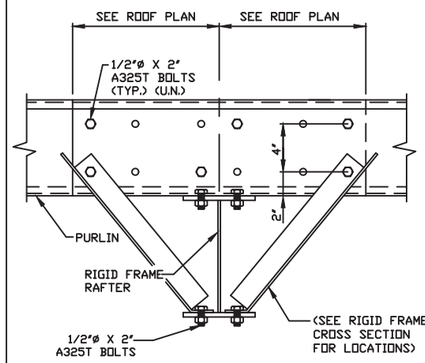
E6 DOOR JAMB AT OPENING BASE SECTION



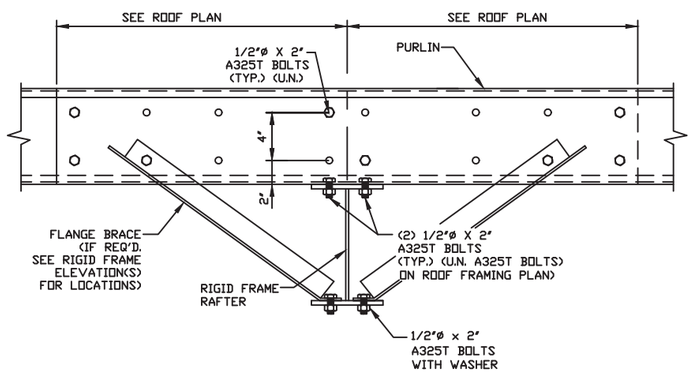
G1 SIDEWALL GIRT SAG ANGLE



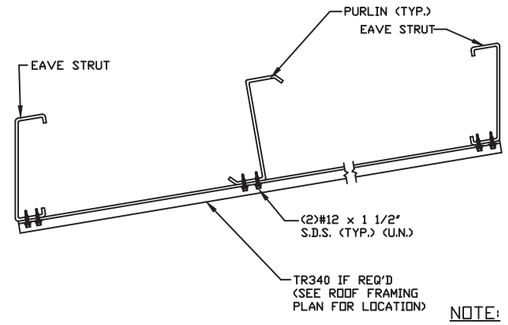
G2 ENDWALL GIRT SAG ANGLE



G3 FLANGE BRACE/BOLT PATTERN AT PURLIN



G4 PURLIN TO MAIN FRAME RAFTER



G5 PURLIN SAG ANGLE DETAIL

NOTE:
LAPPING MAY BE REQUIRED FOR PROPER INSTALLATION OF TR340. EACH LAP MUST OCCUR AT A PURLIN LOCATION. ANY CUTS WILL BE MADE IN THE FIELD AS THE TR340 IS SUPPLIED IN 20'-0" PIECES.

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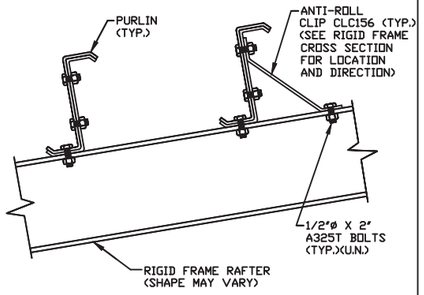
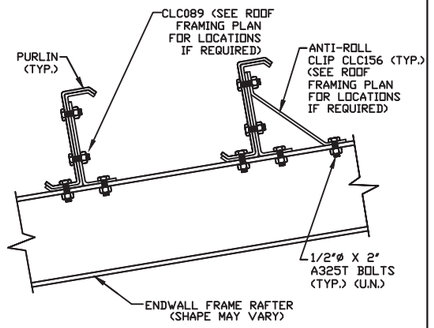
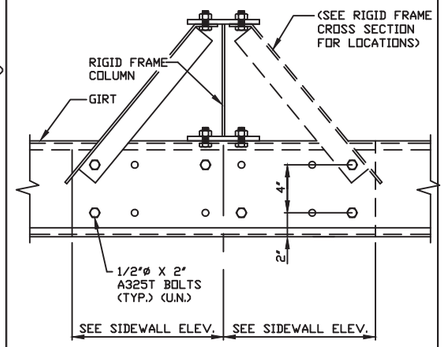
Detailer: AS	Date: 3/26/24	Sales ID: NS24-11	Factory ID: 011467
Checker: PB	Date: 3/26/24		
DETAIL DRAWINGS			Sht E9 of 12



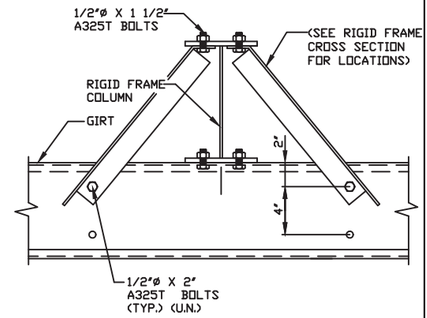
G6 ANTI-ROLL CLIP DETAIL



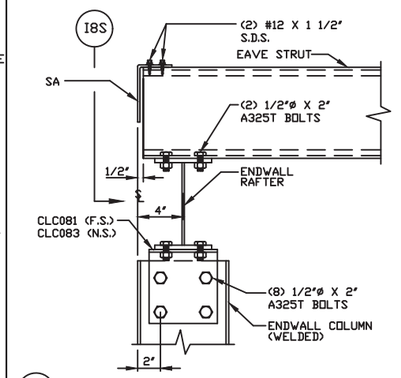
G7 ANTI-ROOL CLIP DETAIL



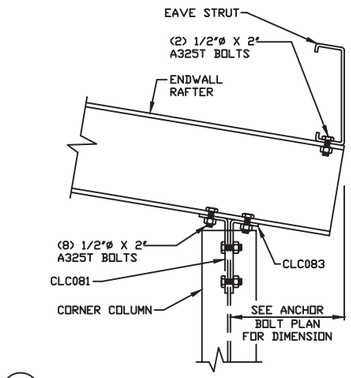
H1 SIDEWALL GIRT CONNECTION



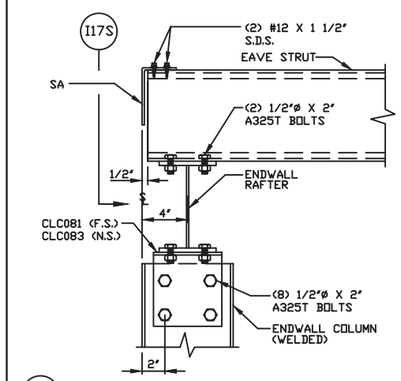
H2 SIDEWALL GIRT CONNECTION WITHOUT LAP



I8S CORNER COLUMN TO ENDWALL RAFTER



I8S CORNER COLUMN TO ENDWALL RAFTER



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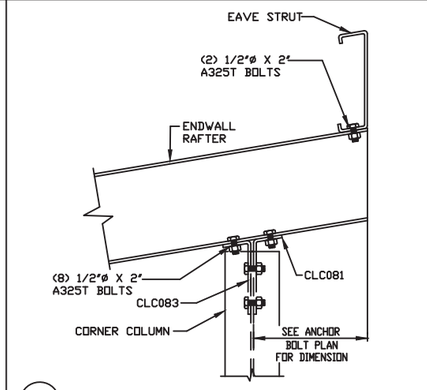
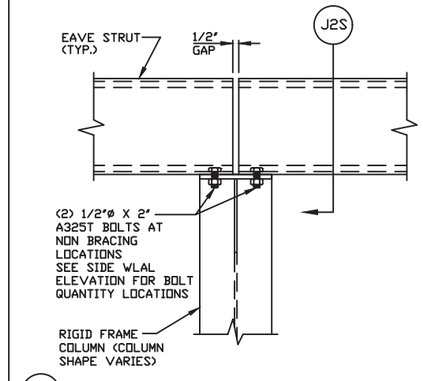
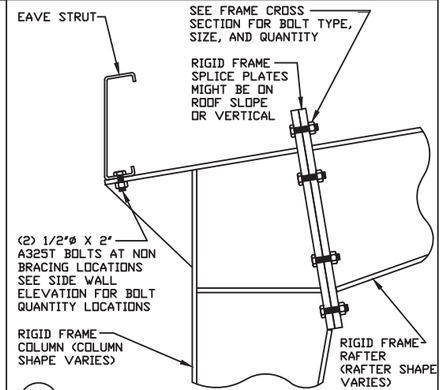


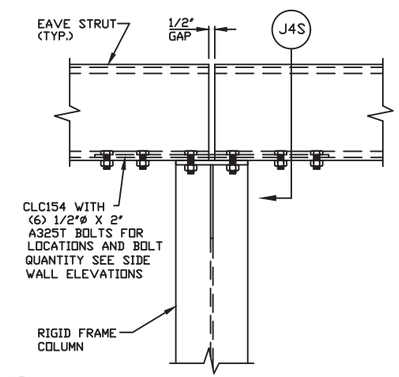
I17S CORNER COLUMN TO ENDWALL RAFTER



J2 EAVE STRUT TO RIGID FRAME



J2S EAVE STRUT TO RIGID FRAME



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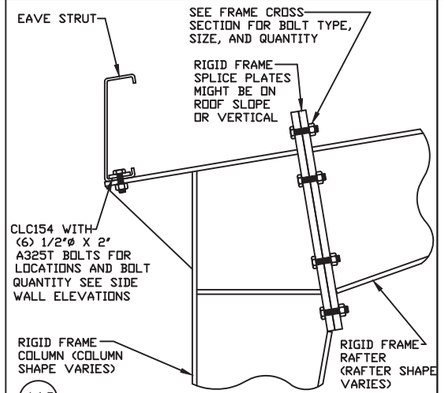

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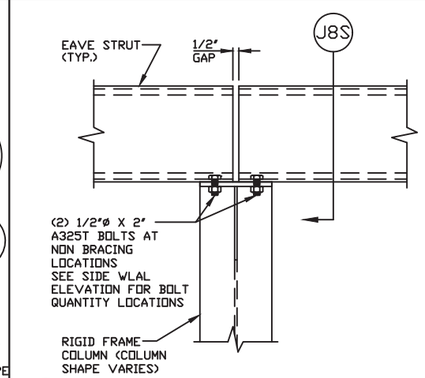
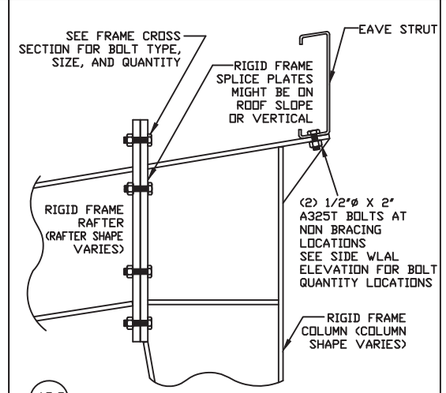


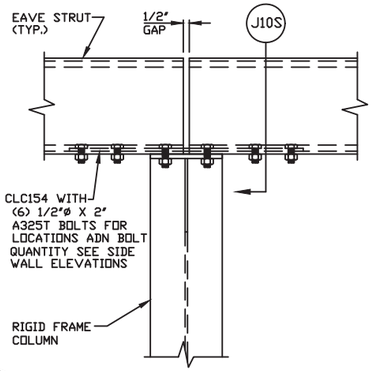
J8 EAVE STRUT TO RIGID FRAME



J8S EAVE STRUT TO RIGID FRAME

04/10/2024

Norsteel Buildings		Customer: 2040503 Ontario Inc/NS24-11	
Markham ON L3R 5V2		Vars ON K0A 3H0	
Drafter: SK	Date: 3/26/24	Designer: MQZ	Date: 3/26/24
Detailer: AS	Date: 3/26/24	Sales ID: NS24-11	Factory ID: 011467
Checker: PB	Date: 3/26/24		
DETAIL DRAWINGS			Sht E10 of 12



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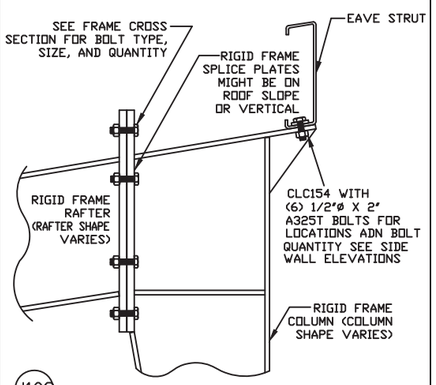

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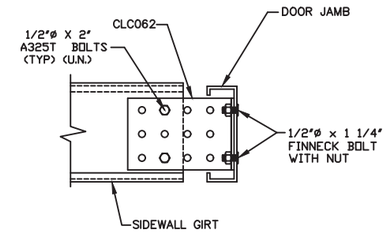
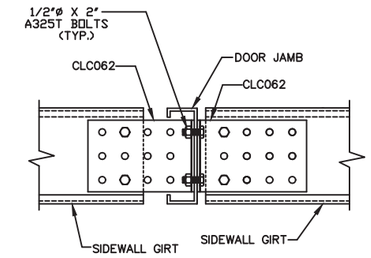
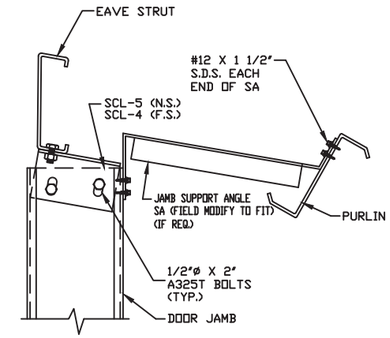


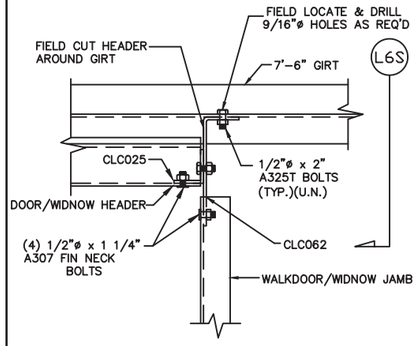
K2 DOOR JAMB TO GIRT CONNECTION



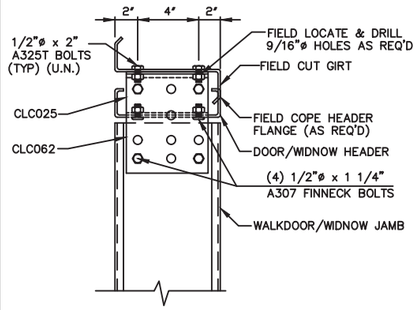
K3 DOOR JAMB TO GIRT CONNECTION



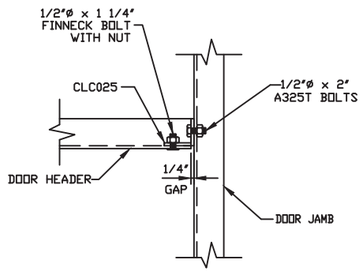
L14 DOOR JAMB TO EAVE STRUT



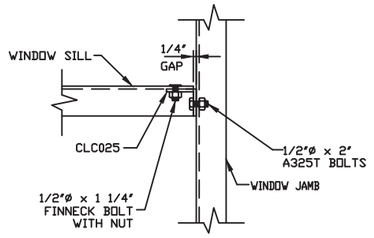
L6 DOOR/WIDNOW JAMB & HEADER TO WALL GIRT



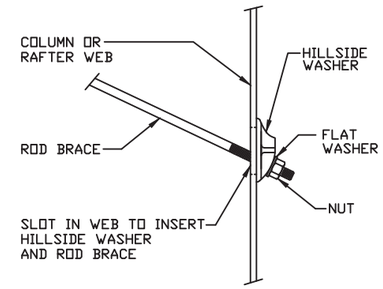
L6S DOOR/WIDNOW JAMB & HEADER TO WALL GIRT



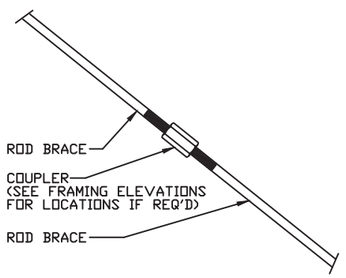
M1 HEADER TO DOOR JAMB CONNECTION



M2 HEADER TO WINDOW JAMB CONNECTION



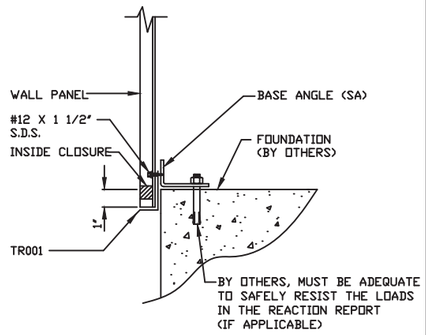
Q2 DIAGONAL ROD BRACE CONNECTION



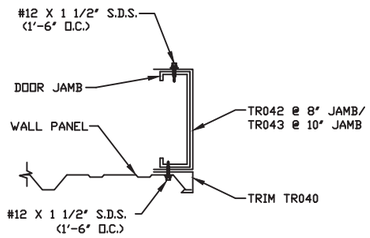
Q7 INTERMEDIATE ROD BRACE SPLICE

04/10/2024

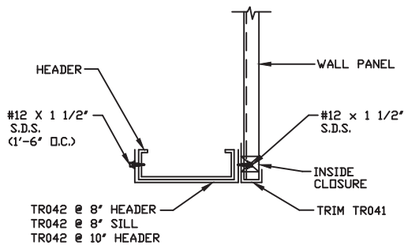
Norsteel Buildings		Customer: 2040503 Ontario Inc/NS24-11	
Markham ON L3R 5V2		Vars ON K0A 3H0	
Drafter: SK	Date: 3/26/24	Designer: MQZ	Date: 3/26/24
Detailer: AS	Date: 3/26/24	Sales ID: NS24-11	Factory ID: 011467
Checker: PB	Date: 3/26/24		
DETAIL DRAWINGS			Sht E11 of 12



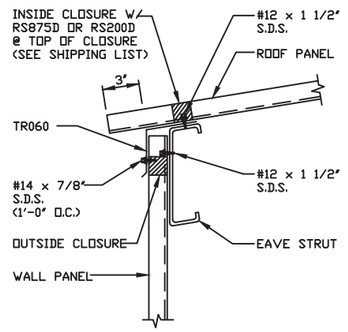
T1 BASE TRIM SECTION



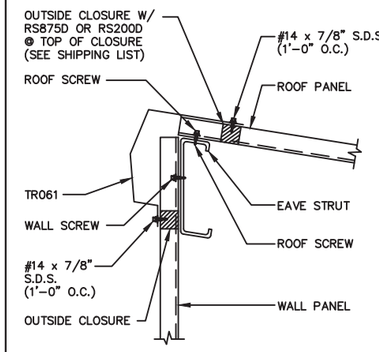
Trim_1 DOOR JAMB TRIM



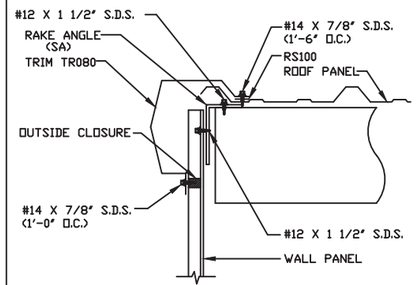
Trim_2 HEADER/SILL TRIM



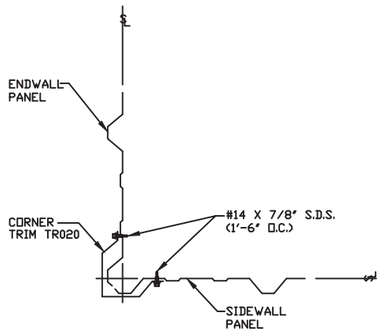
Trim_14 EAVE TRIM SECTION



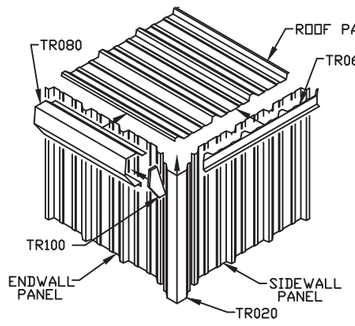
Trim_15 HISIDE EAVE TRIM SECTION



Trim_35 RAKE TRIM SECTION



Trim_39 CORNER TRIM SECTION



BUILDING CORNER DETAIL

LICENSED PROFESSIONAL ENGINEER
M. ZHU
100184641
PROVINCE OF ONTARIO

04/10/2024

Norsteel Buildings		Customer: 2040503 Ontario Inc/NS24-11	
Markham ON L3R 5V2		Vars ON K0A 3H0	
Drafter: SK	Date: 3/26/24	Designer: MQZ	Date: 3/26/24
Detailer: AS	Date: 3/26/24	Sales ID: NS24-11	Factory ID: 011467
Checker: PB	Date: 3/26/24		
TRIM DRAWINGS			Sht E12 of 12

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

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SWDES-F.OUT	35 - 52
SWDES-B.OUT	53 - 62
EWDES-L.OUT	63 - 171
EWDES-R.OUT	172 - 280
ROOFDES.OUT	281 - 385
RFDES-1.OUT	386 - 416

04/10/2024

T&Z Consulting Services, LLC
Ontario CofA No. 100521725

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Norsteel Buildings
1405 Denison Street
Markham ON L3R 5V2

STRUCTURAL DESIGN CALCULATIONS
FOR
Norsteel Buildings
1405 Denison Street
Markham ON L3R 5V2

2040503 Ontario Inc/NS24-11
15 Tradesman Road
Vars/ON/K0A 3H0
011467_RF

BUILDING LAYOUT

Width	(ft)=	40.0
Length	(ft)=	80.0
Eave Height	(ft)=	17.0/ 20.3
Roof Slope (rise/12)	=	1.00

BUILDING LOADS

Roof Dead Load (psf)	=	2.2
Wall Dead Load		
Left Endwall (psf)	=	2.2
Right Endwall (psf)	=	2.2
Front Sidewall (psf)	=	2.2
Back Sidewall (psf)	=	2.2
Live Load (psf)	=	21.0
Collateral Load (psf)	=	3.0
Snow Load (psf)	=	48.5
Wind Load 1:50 (psf)	=	8.6
Wind Code	=	ONBC 19 (NBC 15)
Wind Category	=	2
Exposure	=	O
Internal Wind Coeff	=	-0.45, +0.30
Importance Wind (ULS)	=	1.00
Importance Seismic (ULS)	=	1.00
Seismic Category	=	D
Seismic Data Sa(0.2)	=	0.4460

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

```
                    Sa(0.5)   = 0.2400
                    Sa(1.0)   = 0.1190
                    Sa(2.0)   = 0.0560
                    Sa(5.0)   = 0.0150
                    Sa(10.0)  = 0.0055
                    Sa(PGA)   = 0.2850

                  ------------------------------
                  Designer : MQZ
                  Detailer : SK



                             3/26/24


================================================================================
 011467_RF           Design Loads For Building Components:   3/26/24     3:27pm
================================================================================


FRONT SIDEWALL:
---------------

 BASIC LOADS:
  Basic   Wind_Load_Ratio
   Wind   Deflect  Factor
    7.7     0.75    1.40

 EDGE ZONE:
                                  -----Wind_Ratio----
  --Left_Zone--  --Right_Zone-                  Jamb/
   Width   Base   Width   Base   Girt  Panel  Column
    4.00   0.00    4.00   0.00   1.04   1.13    1.04

 WIND PRESSURE/SUCTION:
     Wind  Wind   Wind
    Press  Suct   Long
     18.6 -17.2         .. Girt/Header
     20.9 -18.6         .. Panel
     18.6 -17.2         .. Jamb
      0.0   0.0         .. Parapet

BACK  SIDEWALL:
---------------

 BASIC LOADS:
  Basic   Wind_Load_Ratio
   Wind   Deflect  Factor
    7.7     0.75    1.40

 EDGE ZONE:
```

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11		
		Vars/ON/K0A 3H0		

--Left_Zone--		--Right_Zone-		-----Wind_Ratio----		
						Jamb/
Width	Base	Width	Base	Girt	Panel	Column
4.00	0.00	4.00	0.00	1.04	1.13	1.04

WIND PRESSURE/SUCTION:

Wind Press	Wind Suct	Wind Long	
18.6	-17.2		.. Girt/Header
20.9	-18.6		.. Panel
18.6	-17.2		.. Jamb
0.0	0.0		.. Parapet

LEFT ENDWALL:

BASIC LOADS:

Dead Load	Coll Load	Live Load	Snow Load	Rain Load	Basic Wind	Wind_Load_Ratio Deflect	Factor
2.2	3.0	21.0	48.5	0.0	7.7	0.75	1.40

EDGE ZONE:

--Left_Zone--		--Right_Zone-		-----Wind_Ratio----		
						Jamb/
Width	Base	Width	Base	Girt	Panel	Column
4.00	0.00	4.00	0.00	1.04	1.13	1.02

BASIC LOADS AT EAVE:

Seis Dead	Seis Girt	Seis Load	---Torsion--- Wind	Seismic
2.20	0.00	1.54	0.00	0.00

WIND PRESSURE/SUCTION:

Wind Press	Wind Suct	
12.8	-8.9	.. Column
18.6	-17.2	.. Girt/Header
18.6	-17.2	.. Jamb
20.9	-18.6	.. Panel
20.1	-20.1	.. Parapet
13.9	-8.5	.. Transverse bracing, Facia/Parapet

WIND COEFFICIENTS:

Surf	---Wind_1--		---Wind_2--		-Long_Wind-		Surface
Id	Left	Right	Left	Right	1	2	Friction
1	0.55	-1.40	2.05	0.10	-1.50	-1.50	0.00
2	-2.60	-1.60	-1.10	-0.10	-2.60	-2.60	0.00
3	-1.40	0.55	0.10	2.05	-1.50	-1.50	0.00

COLUMN, RAFTER & BRACING DESIGN LOADS:

Load		---Live---		--Add_Snow-			Wind_1		Wind_2		Long_Wind		Column_Wind	Long	Tran	Aux_Load	
No.	Id	Dead	Coll	Roof	Floor	Snow	Drift	Slide	Rain	Left	Right	Left	Right	1	2	Press	Suct	Seis	Seis Id	Coef

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11		
		Vars/ON/K0A 3H0		

209 1 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
2 1.40 1.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
3 1.25 1.25 0.00 0.00 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
4 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
5 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0 0.00
6 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
7 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0 0.00
8 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
9 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0 0.00
10 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
11 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0 0.00
12 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
13 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
14 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0 0.00
15 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0 0.00
16 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
17 0.90 0.00 0.00 0.00 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
18 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
19 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0 0.00
20 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
21 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0 0.00
22 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
23 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0 0.00
24 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
25 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0 0.00
26 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
27 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

28 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.40 0.00 0.00 0 0.00
29 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.40 0.00 0.00 0 0.00
30 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
31 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0 0.00
32 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0 0.00
33 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0 0.00
34 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0 0.00
35 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0 0.00
36 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0 0.00
37 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.40 0.00 0.00 0.00 0 0.00
38 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.40 0.00 0.00 0 0.00
39 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.40 0.00 0.00 0.00 0 0.00
40 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.40 0.00 0.00 0.00 0 0.00
41 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.40 0.00 0.00 0 0.00
42 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.40 0.00 0.00 0 0.00
43 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
44 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0 0.00
45 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0 0.00
46 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0 0.00
47 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0 0.00
48 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0 0.00
49 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0 0.00
50 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.40 0.00 0.00 0.00 0 0.00
51 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.40 0.00 0.00 0 0.00
52 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.40 0.00 0.00 0.00 0 0.00
53 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.40 0.00 0.00 0.00 0 0.00
54 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.40 0.00 0.00 0 0.00

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

55 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.40 0.00 0.00 0 0.00
56 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
57 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
58 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
59 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
60 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
61 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
62 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 1.40 0.00 0.00 0.00 0 0.00
63 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 1.40 0.00 0.00 0.00 0 0.00
64 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
65 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 1.40 0.00 0.00 0.00 0 0.00
66 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
67 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
68 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
69 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
70 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
71 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
72 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
73 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
74 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
75 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
76 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 1.40 0.00 0.00 0.00 0 0.00
77 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 1.40 0.00 0.00 0 0.00
78 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 1.40 0.00 0 0.00
79 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 1.40 0.00 0 0.00
80 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
81 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 1.40 0.00 0 0.00

	Job No	011467_RF	Date	3/26/2024
	Customer	Norsteel Buildings	Designed By	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

82 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
83 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
84 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
85 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
86 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 1.40 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
87 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 1.40 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
88 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
89 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
90 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 1.40 0.00 1.40 0.00 0.00 0.00 0 0.00
91 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00 1.40 1.40 0.00 0.00 0.00 0 0.00
92 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 1.40 0.00 0.00 0 0.00
93 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 1.40 0.00 0.00 0 0.00
94 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 1.40 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
95 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
96 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
97 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 1.40 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
98 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
99 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
100 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
101 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
102 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
103 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
104 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 1.40 0.00 0.00 0.00 0 0.00
105 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 1.40 0.00 0.00 0.00 0 0.00
106 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 1.40 0.00 0.00 0 0.00
107 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 1.40 0.00 0.00 0 0.00
108 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

109 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
110 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
111 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
112 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
113 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
114 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
115 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
116 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
117 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
118 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 1.40 0.00 0.00 0.00 0 0.00
119 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 1.40 0.00 0.00 0.00 0 0.00
120 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 1.40 0.00 0.00 0 0.00
121 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 1.40 0.00 0.00 0 0.00
122 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
123 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 1.40 0.00 0.00 0 0.00
124 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
125 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 1.40 0.00 0.00 0.00 0 0.00
126 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
127 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
128 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 1.40 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
129 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 1.40 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
130 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
131 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
132 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 1.40 0.00 1.40 0.00 0.00 0.00 0 0.00
133 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00 1.40 1.40 0.00 0.00 0.00 0 0.00
134 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 1.40 0.00 0.00 0 0.00
135 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 1.40 0.00 0.00 0 0.00

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

136 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 1.40 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
137 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
138 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
139 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 1.40 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
140 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0 0.00
141 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 -1.00 0 0.00
142 1.00 1.00 0.00 0.00 0.25 0.25 0.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0 0.00
143 1.00 1.00 0.00 0.00 0.25 0.25 0.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 -1.00 0 0.00
144 1.25 1.25 0.00 0.00 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1 1.50
145 1.25 1.25 0.00 0.00 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 2 1.50
146 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
147 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
148 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
149 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
150 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
151 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0 0.00
152 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0 0.00
153 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
154 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
155 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
156 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
157 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
158 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0 0.00
159 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0 0.00
160 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
161 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
162 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

163 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
164 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0 0.00
165 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0 0.00
166 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
167 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
168 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
169 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
170 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0 0.00
171 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0 0.00
172 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
173 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
174 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
175 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
176 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0 0.00
177 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0 0.00
178 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
179 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
180 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
181 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
182 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0 0.00
183 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0 0.00
184 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
185 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
186 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
187 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
188 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0 0.00
189 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0 0.00

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

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   190  0.90 0.00 0.00  0.00 0.00  0.00  0.00 0.00  1.40  0.00 0.00  0.00 0.00 0.00
0.00  0.00  0.00  0.00  0  0.00
   191  0.90 0.00 0.00  0.00 0.00  0.00  0.00 0.00  0.00  1.40 0.00  0.00 0.00 0.00
0.00  0.00  0.00  0.00  0  0.00
   192  0.90 0.00 0.00  0.00 0.00  0.00  0.00 0.00  0.00  0.00 1.40  0.00 0.00 0.00
0.00  0.00  0.00  0.00  0  0.00
   193  0.90 0.00 0.00  0.00 0.00  0.00  0.00 0.00  0.00  0.00 0.00  1.40 0.00 0.00
0.00  0.00  0.00  0.00  0  0.00
   194  0.90 0.00 0.00  0.00 0.00  0.00  0.00 0.00  0.00  0.00 0.00  0.00 1.40 0.00
0.00  0.00  0.00  0.00  0  0.00
   195  0.90 0.00 0.00  0.00 0.00  0.00  0.00 0.00  0.00  0.00 0.00  0.00 0.00 1.40
0.00  0.00  0.00  0.00  0  0.00
   196  0.90 0.00 0.50  0.00 0.00  0.00  0.00 0.00  1.40  0.00 0.00  0.00 0.00 0.00
0.00  0.00  0.00  0.00  0  0.00
   197  0.90 0.00 0.50  0.00 0.00  0.00  0.00 0.00  0.00  1.40 0.00  0.00 0.00 0.00
0.00  0.00  0.00  0.00  0  0.00
   198  0.90 0.00 0.50  0.00 0.00  0.00  0.00 0.00  0.00  0.00 1.40  0.00 0.00 0.00
0.00  0.00  0.00  0.00  0  0.00
   199  0.90 0.00 0.50  0.00 0.00  0.00  0.00 0.00  0.00  0.00 0.00  1.40 0.00 0.00
0.00  0.00  0.00  0.00  0  0.00
   200  0.90 0.00 0.50  0.00 0.00  0.00  0.00 0.00  0.00  0.00 0.00  0.00 1.40 0.00
0.00  0.00  0.00  0.00  0  0.00
   201  0.90 0.00 0.50  0.00 0.00  0.00  0.00 0.00  0.00  0.00 0.00  0.00 0.00 1.40
0.00  0.00  0.00  0.00  0  0.00
   202  0.90 0.00 0.00  0.00 0.50  0.50  0.50 0.00  1.40  0.00 0.00  0.00 0.00 0.00
0.00  0.00  0.00  0.00  0  0.00
   203  0.90 0.00 0.00  0.00 0.50  0.50  0.50 0.00  0.00  1.40 0.00  0.00 0.00 0.00
0.00  0.00  0.00  0.00  0  0.00
   204  0.90 0.00 0.00  0.00 0.50  0.50  0.50 0.00  0.00  0.00 1.40  0.00 0.00 0.00
0.00  0.00  0.00  0.00  0  0.00
   205  0.90 0.00 0.00  0.00 0.50  0.50  0.50 0.00  0.00  0.00 0.00  1.40 0.00 0.00
0.00  0.00  0.00  0.00  0  0.00
   206  0.90 0.00 0.00  0.00 0.50  0.50  0.50 0.00  0.00  0.00 0.00  0.00 1.40 0.00
0.00  0.00  0.00  0.00  0  0.00
   207  0.90 0.00 0.00  0.00 0.50  0.50  0.50 0.00  0.00  0.00 0.00  0.00 0.00 1.40
0.00  0.00  0.00  0.00  0  0.00
   208  1.00 1.00 0.50  0.00 0.00  0.00  0.00 0.00  0.00  0.00 0.00  0.00 0.00 0.00
0.00  0.00  0.00  1.00  0  0.00
   209  1.00 1.00 0.50  0.00 0.00  0.00  0.00 0.00  0.00  0.00 0.00  0.00 0.00 0.00
0.00  0.00  0.00 -1.00  0  0.00

 AUXILIARY LOADS:
   No.  Aux  Aux          No.    Add_Load
   Aux  Id   Name        Load   Id   Coeff
    2    1   E1UNB_SL_L    2     1    1.00
                                 2    0.50
         2   E1UNB_SL_R    2     1    0.50
                                 2    1.00

 ADDITIONAL LOADS:
  No.  Add  Loc  Basic  Load     Fx      Fy   Mom      X      Y   .. Conc
  Add  Id   Id   Load   Type     W1      W2    Co    Dl1    Dl2   .. Dist
   2    1    2   U_SNOW  D    -0.49   -0.49  0.08   0.00  20.07
        2    2   U_SNOW  D    -0.49   -0.49  0.08  20.07  40.14
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	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

RIGHT ENDWALL:

BASIC LOADS:

Dead Load	Coll Load	Live Load	Snow Load	Rain Load	Basic Wind	Wind_Load_Ratio Deflect	Ratio Factor
2.2	3.0	21.0	48.5	0.0	7.7	0.75	1.40

EDGE ZONE:

--Left_Zone-- Width	Base	--Right_Zone- Width	Base	-----Wind_Ratio---- Girt	Panel	Jamb/ Column
4.00	0.00	4.00	0.00	1.04	1.13	1.02

BASIC LOADS AT EAVE:

Seis Dead	Seis Girt	Seis Load	---Torsion--- Wind	Seismic
2.20	0.00	1.54	0.00	0.00

WIND PRESSURE/SUCTION:

Wind Press	Wind Suct	
12.8	-8.9	.. Column
18.6	-17.2	.. Girt/Header
18.6	-17.2	.. Jamb
20.9	-18.6	.. Panel
20.1	-20.1	.. Parapet
13.9	-8.5	.. Transverse bracing, Facia/Parapet

WIND COEFFICIENTS:

Surf Id	---Wind_1-- Left	Right	---Wind_2-- Left	Right	-Long_Wind- 1	2	Surface Friction
1	0.55	-1.40	2.05	0.10	-1.50	-1.50	0.00
2	-1.60	-2.60	-0.10	-1.10	-2.60	-2.60	0.00
3	-1.40	0.55	0.10	2.05	-1.50	-1.50	0.00

COLUMN, RAFTER & BRACING DESIGN LOADS:

Load No.	Id	---Live--- Dead	Coll	--Add_Snow- Roof	Floor	Snow	Drift	Slide	Rain	Wind_1 Left	Right	Wind_2 Left	Right	Long_Wind 1	2	Column_Wind Press	Suct	Long Seis	Tran Seis	Aux_Load Id	Coef
209	1	1.25	1.25	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	2	1.40	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	3	1.25	1.25	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	4	1.25	1.25	1.50	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.00	0	0.00
	5	1.25	1.25	1.50	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0	0.00
	6	1.25	1.25	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.00	0	0.00

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

7 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0 0.00
8 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0 0.00
9 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0 0.00
10 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.40 0.00 0.00 0.00 0 0.00
11 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.40 0.00 0.00 0 0.00
12 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.40 0.00 0.00 0.00 0 0.00
13 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.40 0.00 0.00 0.00 0 0.00
14 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.40 0.00 0.00 0 0.00
15 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.40 0.00 0 0.00
16 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
17 0.90 0.00 0.00 0.00 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
18 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0 0.00
19 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0 0.00
20 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0 0.00
21 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0 0.00
22 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0 0.00
23 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0 0.00
24 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.40 0.00 0.00 0.00 0 0.00
25 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.40 0.00 0.00 0 0.00
26 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.40 0.00 0.00 0.00 0 0.00
27 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.40 0.00 0.00 0.00 0 0.00
28 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.40 0.00 0.00 0 0.00
29 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0 0.00
30 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
31 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0 0.00
32 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0 0.00
33 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0 0.00

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

34 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0 0.00
35 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0 0.00
36 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0 0.00
37 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.40 0.00 0.00 0.00 0 0.00
38 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.40 0.00 0.00 0 0.00
39 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.40 0.00 0.00 0.00 0 0.00
40 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.40 0.00 0.00 0.00 0 0.00
41 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.40 0.00 0.00 0 0.00
42 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.40 0.00 0.00 0 0.00
43 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
44 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0 0.00
45 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0 0.00
46 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0 0.00
47 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0 0.00
48 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0 0.00
49 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0 0.00
50 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.40 0.00 0.00 0.00 0 0.00
51 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.40 0.00 0.00 0 0.00
52 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.40 0.00 0.00 0.00 0 0.00
53 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.40 0.00 0.00 0.00 0 0.00
54 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.40 0.00 0.00 0 0.00
55 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.40 0.00 0.00 0 0.00
56 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
57 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
58 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
59 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
60 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

61 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
62 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 1.40 0.00 0.00 0.00 0 0.00
63 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 1.40 0.00 0.00 0.00 0 0.00
64 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 1.40 0.00 0.00 0 0.00
65 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 1.40 0.00 0.00 0 0.00
66 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
67 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
68 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
69 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
70 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
71 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
72 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
73 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
74 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
75 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
76 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 1.40 0.00 0.00 0.00 0 0.00
77 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 1.40 0.00 0.00 0 0.00
78 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 1.40 0.00 0 0.00
79 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 1.40 0.00 0 0.00
80 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
81 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 1.40 0.00 0 0.00
82 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 1.40 0.00 0 0.00
83 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 1.40 0.00 0.00 0 0.00
84 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0 0.00
85 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0 0.00
86 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
87 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11		
		Vars/ON/K0A 3H0		

88 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
89 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
90 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 1.40 0.00 1.40 0.00 0.00 0.00 0 0.00
91 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00 1.40 1.40 0.00 0.00 0.00 0 0.00
92 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 1.40 0.00 0.00 0 0.00
93 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 1.40 0.00 0.00 0 0.00
94 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 1.40 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
95 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
96 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
97 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 1.40 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
98 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
99 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
100 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
101 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
102 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
103 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
104 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
105 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 1.40 0.00 0.00 0.00 0 0.00
106 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
107 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 1.40 0.00 0.00 0 0.00
108 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
109 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
110 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
111 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
112 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
113 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
114 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

115 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
116 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
117 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
118 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 1.40 0.00 0.00 0.00 0 0.00
119 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 1.40 0.00 0.00 0.00 0 0.00
120 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 1.40 0.00 0.00 0 0.00
121 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 1.40 0.00 0.00 0 0.00
122 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
123 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 1.40 0.00 0.00 0 0.00
124 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
125 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 1.40 0.00 0.00 0 0.00
126 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0 0.00
127 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0 0.00
128 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 1.40 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
129 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 1.40 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
130 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0 0.00
131 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
132 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 1.40 0.00 1.40 0.00 0.00 0.00 0 0.00
133 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00 1.40 1.40 0.00 0.00 0.00 0 0.00
134 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 1.40 0.00 0.00 0 0.00
135 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 1.40 0.00 0.00 0 0.00
136 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 1.40 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
137 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
138 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0 0.00
139 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 1.40 0.00 0.00 1.40 0.00 0.00 0.00 0 0.00
140 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0 0.00
141 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 -1.00 0 0.00

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

142 1.00 1.00 0.00 0.00 0.25 0.25 0.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0 0.00
143 1.00 1.00 0.00 0.00 0.25 0.25 0.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 -1.00 0 0.00
144 1.25 1.25 0.00 0.00 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1 1.50
145 1.25 1.25 0.00 0.00 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 2 1.50
146 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
147 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
148 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
149 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
150 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
151 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0 0.00
152 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0 0.00
153 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
154 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
155 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
156 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
157 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0 0.00
158 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0 0.00
159 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0 0.00
160 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
161 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
162 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
163 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
164 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0 0.00
165 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0 0.00
166 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
167 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
168 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

169 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0 0.00
170 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0.00 0 0.00
171 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00 0 0.00
172 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
173 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
174 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
175 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
176 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0 0.00
177 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0 0.00
178 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
179 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
180 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
181 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
182 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0 0.00
183 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0 0.00
184 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
185 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
186 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
187 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
188 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0 0.00
189 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0 0.00
190 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
191 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
192 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
193 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0.00 0 0.00
194 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0.00 0 0.00
195 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00 0 0.00

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

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   196  0.90 0.00 0.50  0.00 0.00  0.00  0.00 0.00  1.40  0.00 0.00  0.00 0.00 0.00
0.00  0.00  0.00  0.00  0  0.00
   197  0.90 0.00 0.50  0.00 0.00  0.00  0.00 0.00  0.00  1.40 0.00  0.00 0.00 0.00
0.00  0.00  0.00  0.00  0  0.00
   198  0.90 0.00 0.50  0.00 0.00  0.00  0.00 0.00  0.00  0.00 1.40  0.00 0.00 0.00
0.00  0.00  0.00  0.00  0  0.00
   199  0.90 0.00 0.50  0.00 0.00  0.00  0.00 0.00  0.00  0.00 0.00  1.40 0.00 0.00
0.00  0.00  0.00  0.00  0  0.00
   200  0.90 0.00 0.50  0.00 0.00  0.00  0.00 0.00  0.00  0.00 0.00  0.00 1.40 0.00
0.00  0.00  0.00  0.00  0  0.00
   201  0.90 0.00 0.50  0.00 0.00  0.00  0.00 0.00  0.00  0.00 0.00  0.00 0.00 1.40
0.00  0.00  0.00  0.00  0  0.00
   202  0.90 0.00 0.00  0.00 0.50  0.50  0.50 0.00  1.40  0.00 0.00  0.00 0.00 0.00
0.00  0.00  0.00  0.00  0  0.00
   203  0.90 0.00 0.00  0.00 0.50  0.50  0.50 0.00  0.00  1.40 0.00  0.00 0.00 0.00
0.00  0.00  0.00  0.00  0  0.00
   204  0.90 0.00 0.00  0.00 0.50  0.50  0.50 0.00  0.00  0.00 1.40  0.00 0.00 0.00
0.00  0.00  0.00  0.00  0  0.00
   205  0.90 0.00 0.00  0.00 0.50  0.50  0.50 0.00  0.00  0.00 0.00  1.40 0.00 0.00
0.00  0.00  0.00  0.00  0  0.00
   206  0.90 0.00 0.00  0.00 0.50  0.50  0.50 0.00  0.00  0.00 0.00  0.00 1.40 0.00
0.00  0.00  0.00  0.00  0  0.00
   207  0.90 0.00 0.00  0.00 0.50  0.50  0.50 0.00  0.00  0.00 0.00  0.00 0.00 1.40
0.00  0.00  0.00  0.00  0  0.00
   208  1.00 1.00 0.50  0.00 0.00  0.00  0.00 0.00  0.00  0.00 0.00  0.00 0.00 0.00
0.00  0.00  0.00  1.00  0  0.00
   209  1.00 1.00 0.50  0.00 0.00  0.00  0.00 0.00  0.00  0.00 0.00  0.00 0.00 0.00
0.00  0.00  0.00 -1.00  0  0.00

 AUXILIARY LOADS:
   No.  Aux  Aux          No.    Add_Load
   Aux  Id   Name        Load   Id   Coeff
    2    1   E2UNB_SL_L    2     1    1.00
                                 2    0.50
         2   E2UNB_SL_R    2     1    0.50
                                 2    1.00

 ADDITIONAL LOADS:
  No.  Add  Loc  Basic  Load     Fx      Fy   Mom      X      Y   .. Conc
  Add  Id   Id   Load   Type     W1      W2    Co     Dl1    Dl2  .. Dist
   2    1    2   U_SNOW  D    -0.49   -0.49 -0.08   0.00  20.07
        2    2   U_SNOW  D    -0.49   -0.49 -0.08  20.07  40.14

ROOFDES:
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 BASIC LOADS:
  Dead  Coll  Live  Snow  Rain  Basic  Wind_Load_Ratio  Surface   Seis    %
  Load  Load  Load  Load  Load   Wind  Deflect  Factor Friction  Factor Snow
   2.2   3.0  21.0  48.5   0.0    7.7    0.75    0.00     0.00   1.000  0.25

 WIND PRESSURE/SUCTION:
    Wind   Wind    Wind
   Press   Suct   Suct_Roof
```

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

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    9.3  -20.1              .. Purlins
   10.8  -20.1              .. Panels
   12.8    2.7   -20.1      .. Long Bracing, Building
   15.9    0.8              .. Long Bracing, Wall Edge Zone
   13.9   -8.5   -27.9      .. Long Bracing, Facia/Parapet
```

EDGE & CORNER ZONE WIND:

Wind Surf Id	Surf Id	No. Zone	Zone Id	Width	Length	--Purlin--- Press	Suct	---Panel--- Press	Suct
1	2	9	1	0.00	0.00	1.00	1.00	1.00	1.00
			3	0.00	8.00	1.00	1.31	1.00	1.42
			4	4.00	0.00	1.00	1.19	1.00	1.23
			5	0.00	8.00	1.00	1.31	1.00	1.42
			6	8.00	0.00	1.00	1.31	1.00	1.42
			7	8.00	8.00	1.00	1.19	1.00	1.58
			8	8.00	8.00	1.00	1.19	1.00	1.58
			9	8.00	16.00	1.00	1.38	1.00	2.15
			10	8.00	16.00	1.00	1.38	1.00	2.15

EDGE & CORNER ZONE WIND: LONGITUDINAL

Wind Surf Id	Surf Id	No. Zone	Zone Id	Width	Length	Purlin Suct
1	2	1	1	0.00	0.00	1.00
2	2	1	1	0.00	0.00	1.00

PURLIN DESIGN LOADS:

Surf Id	--Load- No.	Id	Dead	Coll	Live	Snow	--Add_Snow- Drift	Slide	Rain	Wind Press	Wind Suct	Aux_Load Id	Coef
2	34	1	1.25	1.25	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
		2	1.25	1.25	1.50	0.00	0.00	0.00	0.00	0.40	0.00	0	0.00
		3	1.25	1.25	1.50	0.00	0.00	0.00	0.00	0.00	0.40	0	0.00
		4	1.40	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
		5	0.90	0.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
		6	0.90	0.00	1.50	0.00	0.00	0.00	0.00	0.40	0.00	0	0.00
		7	0.90	0.00	1.50	0.00	0.00	0.00	0.00	0.00	0.40	0	0.00
		8	1.25	1.25	0.00	1.50	1.50	1.50	0.00	0.00	0.00	0	0.00
		9	1.25	1.25	0.00	1.50	1.50	1.50	0.00	0.40	0.00	0	0.00
		10	1.25	1.25	0.00	1.50	1.50	1.50	0.00	0.00	0.40	0	0.00
		11	0.90	0.00	0.00	1.50	1.50	1.50	0.00	0.00	0.00	0	0.00
		12	0.90	0.00	0.00	1.50	1.50	1.50	0.00	0.40	0.00	0	0.00
		13	0.90	0.00	0.00	1.50	1.50	1.50	0.00	0.00	0.40	0	0.00
		14	1.25	1.25	0.00	0.00	0.00	0.00	0.00	1.40	0.00	0	0.00
		15	1.25	1.25	0.00	0.00	0.00	0.00	0.00	0.00	1.40	0	0.00
		16	1.25	1.25	0.50	0.00	0.00	0.00	0.00	1.40	0.00	0	0.00
		17	1.25	1.25	0.50	0.00	0.00	0.00	0.00	0.00	1.40	0	0.00
		18	1.25	1.25	0.00	0.50	0.50	0.50	0.00	1.40	0.00	0	0.00
		19	1.25	1.25	0.00	0.50	0.50	0.50	0.00	0.00	1.40	0	0.00
		20	0.90	0.00	0.00	0.00	0.00	0.00	0.00	1.40	0.00	0	0.00
		21	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.40	0	0.00
		22	0.90	0.00	0.50	0.00	0.00	0.00	0.00	1.40	0.00	0	0.00
		23	0.90	0.00	0.50	0.00	0.00	0.00	0.00	0.00	1.40	0	0.00
		24	0.90	0.00	0.00	0.50	0.50	0.50	0.00	1.40	0.00	0	0.00
		25	0.90	0.00	0.00	0.50	0.50	0.50	0.00	0.00	1.40	0	0.00
		26	1.25	1.25	0.00	0.75	0.00	0.00	0.00	0.00	0.00	1	1.50

	Job No	011467_RF	**Date**	3/26/2024
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	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

27	1.25	1.25	0.00	0.75	0.00	0.00	0.00	0.00	0.00	2	1.50
28	1.25	1.25	0.00	0.75	0.00	0.00	0.00	0.00	0.00	3	1.50
29	1.25	1.25	0.00	0.75	0.00	0.00	0.00	0.00	0.00	4	1.50
30	1.25	1.25	0.00	0.75	0.00	0.00	0.00	0.00	0.00	5	1.50
31	1.25	1.25	0.00	0.75	0.00	0.00	0.00	0.00	0.00	6	1.50
32	1.25	1.25	0.00	0.75	0.00	0.00	0.00	0.00	0.00	7	1.50
33	1.25	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8	1.50
34	1.25	1.25	0.00	0.01	0.00	0.00	0.00	0.00	0.00	9	1.50

BRACING DESIGN LOADS:

--Load-					--Add_Snow-			Wind	Wind	Seis	Aux_Load	
No.	Id	Dead	Coll	Live	Snow	Drift	Slide	Rain	Press	Suct	Load	Id	Coef
12	1	1.25	1.25	1.50	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0	0.00
	2	1.25	1.25	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	3	1.25	1.25	0.00	1.50	0.00	0.00	0.00	0.00	0.40	0.00	0	0.00
	4	1.25	1.25	0.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	5	1.25	1.25	0.00	1.50	1.50	1.50	0.00	0.00	0.40	0.00	0	0.00
	6	1.25	1.25	0.00	1.50	1.50	1.50	0.00	0.00	0.00	0.00	0	0.00
	7	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.40	0.00	0	0.00
	8	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00
	9	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	0.00
	10	1.00	1.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	0.00
	11	1.00	1.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00	1.00	0	0.00
	12	1.00	1.00	0.00	0.25	0.25	0.25	0.00	0.00	0.00	1.00	0	0.00

AUXILIARY LOADS:

No. Aux	Aux Id	Aux Name	No. Load	Add_Load Id	Coef
9	1	PAT_SL_1	1	1	0.50
	2	PAT_SL_2	1	2	0.50
	3	PAT_SL_3	1	3	0.50
	4	PAT_SL_4	1	4	0.50
	5	PAT_SL_5	2	1	0.50
				2	0.50
	6	PAT_SL_6	2	2	0.50
				3	0.50
	7	PAT_SL_7	2	3	0.50
				4	0.50
	8	UNB_SL_L	2	5	1.00
				6	0.50
	9	UNB_SL_R	2	5	0.50
				6	1.00

ADDITIONAL LOADS:

No. Add	Add Id	Surf Id	Basic Load	Load Type	Fy W1	Fy W2	Dx Dx1	Dx Dx2	.. Conc .. Dist
6	1	0	U_SNOW	D	-48.5	-48.5	0.0	20.0	
	2	0	U_SNOW	D	-48.5	-48.5	20.0	40.0	
	3	0	U_SNOW	D	-48.5	-48.5	40.0	60.0	
	4	0	U_SNOW	D	-48.5	-48.5	60.0	80.0	
	5	2	U_SNOW	D	-48.5	-48.5	0.0	20.1	
	6	2	U_SNOW	D	-48.5	-48.5	20.1	40.1	

RIGID FRAME - 1:

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

BASIC LOADS:

Dead	Coll	Live	Snow	Rain	Basic Wind	Defl Ratio	Temperature Change
2.2	3.0	21.0	48.5	0.0	7.7	0.75	0

BASIC LOADS AT EAVE:

Seismic Load	--Torsion-- Wind	Seis	--EW_Brace- Wind	Seis
1.39	0.00	0.00	0.00	0.00

WIND COEFFICIENTS:

Surf Id	---Wind_1-- Left	Right	---Wind_2-- Left	Right	---Wind_3-- Left	Right	---Wind_4-- Left	Right	Long_Wind 1	2	Surface Friction
1	0.15	-1.15	1.65	0.35	0.00	0.00	0.00	0.00	-1.45	-1.45	0.00
2	-1.90	-1.30	-0.40	0.20	0.00	0.00	0.00	0.00	-1.90	-1.90	0.00
3	-1.15	0.15	0.35	1.65	0.00	0.00	0.00	0.00	-1.45	-1.45	0.00

DESIGN LOADS:

Load_Coefficients

No.	Id	Dead	Coll	---Live--- Roof 1	Floor 2	-Add_Snow- Long	Drift	Slide	Temp	Id	Rain	--Wind_1-- Aux_Load Lt	Rt	--Wind_2-- Lt	Rt	--Wind_3-- Lt	Rt	--Wind_4-- Lt	Rt	Lt
106	1	1.25	1.25	1.50	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2	1.25	1.25	1.50	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3	1.40	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4	1.40	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5	1.25	1.25	0.00	0.00	1.00	1.00	1.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6	1.25	1.25	0.00	0.00	1.00	1.00	1.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	7	1.25	1.25	1.50	0.00	0.00	0.00	0.00	0.00	0	0.00	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8	1.25	1.25	1.50	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9	1.25	1.25	1.50	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.40	0.00	0.00	0.00	0.00	0.00	0.00
	10	1.25	1.25	1.50	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.00	0.00	0.00
	11	1.25	1.25	1.50	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12	1.25	1.25	1.50	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	13	1.25	1.25	1.50	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	14	1.25	1.25	1.50	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

| | | |

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

| | | |

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11		
		Vars/ON/K0A 3H0		

69	1.25	1.25	0.00	0.00	0.50	0.50	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	1.25	1.25	0.00	0.00	0.50	0.50	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
73	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00	0.00	0.00
75	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
78	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
79	0.90	0.00	0.50	0.00	0.00	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.90	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
81	0.90	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82	0.90	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00	0.00	0.00
83	0.90	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84	0.90	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.90	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86	0.90	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87	0.90	0.00	0.00	0.00	0.50	0.50	0.50	0.00	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88	0.90	0.00	0.00	0.00	0.50	0.50	0.50	0.00	0.00	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89	0.90	0.00	0.00	0.00	0.50	0.50	0.50	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.90	0.00	0.00	0.00	0.50	0.50	0.50	0.00	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00	0.00	0.00
91	0.90	0.00	0.00	0.00	0.50	0.50	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92	0.90	0.00	0.00	0.00	0.50	0.50	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
93	0.90	0.00	0.00	0.00	0.50	0.50	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
94	0.90	0.00	0.00	0.00	0.50	0.50	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

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        96  1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  0.00 -1.00  0.00    0   0.00
        97  1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  1.00  0.00  0.00    0   0.00
        98  1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00 -1.00  0.00  0.00    0   0.00
        99  1.00 1.00  0.00  0.00  0.25  0.25  0.25  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  0.00  1.00  0.00    0   0.00
       100  1.00 1.00  0.00  0.00  0.25  0.25  0.25  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  0.00 -1.00  0.00    0   0.00
       101  1.00 1.00  0.00  0.00  0.25  0.25  0.25  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  1.00  0.00  0.00    0   0.00
       102  1.00 1.00  0.00  0.00  0.25  0.25  0.25  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00 -1.00  0.00  0.00    0   0.00
       103  1.25 1.25  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00    1   1.50
       104  1.25 1.25  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00    1   1.50
       105  1.25 1.25  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00    2   1.50
       106  1.25 1.25  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00    2   1.50
```

AUXILIARY LOADS:

No. Aux	Aux Id	Aux Name	No. Load	Add_Load Id	Add_Load Coeff
2	1	F1UNB_SL_L	2	1	1.00
				2	0.50
	2	F1UNB_SL_R	2	1	0.50
				2	1.00

ADDITIONAL LOADS:

No. Add	Add Id	Surf Id	Basic Type	Load Type	Fx W1	Fy W2	Mom Co	Dx .. Conc Dl1	Dy .. Conc Dl2
2	1	2	U_SNOW	D	-0.96	-0.96	0.083	0.00	20.07
	2	2	U_SNOW	D	-0.96	-0.96	0.083	20.07	40.14

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================================================================================
 011467_RF           Reactions, Anchor Bolts, & Base Plates: 3/26/24     3:27pm
================================================================================
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Frame Line	Col Line	Foundation_Loads(k) Max_Pos_Val Id	Horz	Vert	Max_Neg_Val Id	Horz	Vert	Anc._Bolt No.	Diam	Base_Plate Width	Len	Thick
1	D	8	0.7	-1.3	9	-1.0	-1.3	4	0.750	8.00	9.00	0.500
		10	0.0	5.0								
1	C	11	1.3	-4.8	12	-1.9	-4.8	4	0.750	8.00	9.00	0.500
		13	-0.6	13.1								
1	B	14	1.4	-5.1	15	-2.1	-5.1	4	0.750	8.00	9.00	0.500
		16	-0.6	12.2								
1	A	11	0.8	-1.0	12	-1.2	-1.0	4	0.750	8.00	9.00	0.500

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

		17	0.0	5.2									
5	A	14	0.8	-1.0	15	-1.2	-1.0	4	0.750	8.00	9.00	0.500	
		18	0.0	5.2									
5	B	11	1.4	-5.1	12	-2.1	-5.1	4	0.750	8.00	9.00	0.500	
		13	-0.6	12.2									
5	C	14	1.3	-4.8	15	-1.9	-4.8	4	0.750	8.00	9.00	0.500	
		16	-0.6	13.1									
5	D	8	0.7	-1.3	9	-1.0	-1.3	4	0.750	8.00	9.00	0.500	
		19	0.0	5.0									
2*	D	1	9.3	31.2	2	-4.0	-1.1	4	0.750	8.00	12.00	0.500	
		3	9.1	33.1	4	0.8	-8.7						
2*	A	5	4.0	0.8	6	-8.9	30.8	4	0.750	8.00	12.00	0.500	
		7	-8.6	32.9	4	-0.4	-9.6						

2* Frame Lines:2 3 4

LOAD COMBINATIONS:

Id	Combination
1	1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Right1+1.5Snow_Drift+1.5Slide_Snow
2	0.9Dead+1.4Wind_Left2
3	1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Right2+1.5Snow_Drift+1.5Slide_Snow
4	0.9Dead+1.4Wind_Long2L
5	0.9Dead+1.4Wind_Right2
6	1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Left1+1.5Snow_Drift+1.5Slide_Snow
7	1.25Dead+1.25Collateral+1.5Snow+1.5Snow_Drift+1.5Slide_Snow
8	0.9Dead+1.4Wind_Suction+1.4Wind_Long2L
9	0.9Dead+1.4Wind_Pressure+1.4Wind_Long2L
10	1.25Dead+1.25Collateral+1.5E1UNB_SL_L
11	0.9Dead+1.4Wind_Left1+1.4Wind_Suction
12	0.9Dead+1.4Wind_Left1+1.4Wind_Pressure
13	1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Right2+0.4Wind_Pressure+1.5Snow_Drift+1.5Slide_Snow
14	0.9Dead+1.4Wind_Right1+1.4Wind_Suction
15	0.9Dead+1.4Wind_Right1+1.4Wind_Pressure
16	1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Left2+0.4Wind_Pressure+1.5Snow_Drift+1.5Slide_Snow
17	1.25Dead+1.25Collateral+1.5E1UNB_SL_R
18	1.25Dead+1.25Collateral+1.5E2UNB_SL_L
19	1.25Dead+1.25Collateral+1.5E2UNB_SL_R

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

BUILDING BRACING REACTIONS:

Wall Loc	Wall Line	Col Line	Reactions(k) Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Panel_Shear(lb/ft) Wind	Seismic	Notes
L_EW	1	C ,B	1.80	2.39	1.54	2.05			
F_SW	A	2 ,3	2.14	1.98	5.71	5.28			
R_EW	5	B ,C	1.80	2.39	1.54	2.05			
B_SW	D	3 ,2	1.99	1.51	5.65	4.29			

Reaction values shown are unfactored & for seismic represent base shear
Maximum load combination factors are:
Wind : 1.40
Seismic: 1.00

011467_RF Additional Reactions Report: 3/26/24 3:27pm

Rigid Frame Column Reactions(k)

Frame Line	Col Line	Dead Horz	Dead Vert	Collateral Horz	Collateral Vert	Live Horz	Live Vert	Snow Horz	Snow Vert	Wind_Left1 Horz	Wind_Left1 Vert
2*	D	0.4	1.6	0.3	1.2	2.3	8.3	5.2	19.3	-2.5	-6.5
2*	A	-0.4	1.7	-0.3	1.2	-2.3	8.5	-5.2	19.5	-0.5	-5.3

Frame Line	Col Line	Wind_Right1 Horz	Wind_Right1 Vert	Wind_Left2 Horz	Wind_Left2 Vert	Wind_Right2 Horz	Wind_Right2 Vert	Wind_Long1 Horz	Wind_Long1 Vert	Wind_Long2 Horz	Wind_Long2 Vert
2*	D	1.7	-2.9	-3.1	-1.8	1.1	1.8	0.3	-7.3	0.3	-7.3
2*	A	2.5	-5.2	0.0	-0.7	3.1	-0.5	-0.1	-8.0	-0.1	-8.0

Frame Line	Col Line	Seis_Left Horz	Seis_Left Vert	Seis_Right Horz	Seis_Right Vert	Seis_Long Horz	Seis_Long Vert	F1UNB_SL_L Horz	F1UNB_SL_L Vert	F1UNB_SL_R Horz	F1UNB_SL_R Vert
2*	D	-1.5	-1.3	1.5	1.3	0.0	-4.3	3.9	17.0	3.9	11.9
2*	A	-1.2	1.3	1.2	-1.3	0.0	-5.3	-3.9	12.1	-3.9	17.2

2* Frame Lines:2 3 4

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Endwall Column Reactions(k)

Frame Line	Col Line	Dead Vert	Collat Vert	Live Vert	Snow Vert	Wind_Left1 Horz	Wind_Left1 Vert	Wind_Right1 Horz	Wind_Right1 Vert
1	D	0.5	0.2	1.2	2.8	0.0	-1.1	0.0	-0.8
1	C	0.9	0.4	3.1	7.1	-0.8	-4.0	0.0	0.7
1	B	0.9	0.4	3.1	7.1	0.0	-1.9	1.8	-4.2
1	A	0.6	0.2	1.2	2.8	0.0	-1.1	0.0	-0.8

Frame Line	Col Line	Wind_Left2 Horz	Wind_Left2 Vert	Wind_Right2 Horz	Wind_Right2 Vert	Wind Press Horz	Wind Suct Horz	Wind_Long1 Horz	Wind_Long1 Vert
1	D	0.0	-0.4	0.0	0.0	-0.7	0.5	0.0	-1.2
1	C	-1.0	-2.6	0.0	2.1	-1.4	1.0	0.0	-2.3
1	B	0.0	0.0	1.6	-2.2	-1.5	1.0	0.5	-3.6
1	A	0.0	-0.5	0.0	-0.2	-0.8	0.6	0.0	-1.1

Frame Line	Col Line	Wind_Long2 Horz	Wind_Long2 Vert	Seismic_Left Horz	Seismic_Left Vert	Seismic_Right Horz	Seismic_Right Vert	Seismic Long Horz	-E1UNB_SL_L- Horz	-E1UNB_SL_L- Vert
1	D	0.0	-1.2	0.0	0.0	0.0	0.0	0.02	0.0	2.8
1	C	0.0	-2.3	-1.5	-2.0	0.0	2.1	0.04	0.0	6.9
1	B	0.5	-3.6	0.0	2.0	1.5	-2.1	0.04	0.0	3.7
1	A	0.0	-1.1	0.0	0.0	0.0	0.0	0.02	0.0	1.4

Frame Line	Col Line	-E1UNB_SL_R- Horz	-E1UNB_SL_R- Vert
1	D	0.0	1.4
1	C	0.0	3.7
1	B	0.0	6.9
1	A	0.0	2.9

Frame Line	Col Line	Dead Vert	Collat Vert	Live Vert	Snow Vert	Wind_Left1 Horz	Wind_Left1 Vert	Wind_Right1 Horz	Wind_Right1 Vert
5	A	0.6	0.2	1.2	2.8	0.0	-0.8	0.0	-1.1
5	B	0.9	0.4	3.1	7.1	-1.8	-4.2	0.0	-1.9
5	C	0.9	0.4	3.1	7.1	0.0	0.7	0.8	-4.0
5	D	0.5	0.2	1.2	2.8	0.0	-0.8	0.0	-1.1

Frame Line	Col Line	Wind_Left2 Horz	Wind_Left2 Vert	Wind_Right2 Horz	Wind_Right2 Vert	Wind Press Horz	Wind Suct Horz	Wind_Long1 Horz	Wind_Long1 Vert
5	A	0.0	-0.2	0.0	-0.5	-0.8	0.6	0.0	-1.1

	Job No	011467_RF	**Date**	3/26/2024	
	Customer	Norsteel Buildings	**Designed By**	MQZ	
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0			

5	B	-1.6	-2.2	0.0	0.0	-1.5	1.0	-0.5	-3.6
5	C	0.0	2.1	1.0	-2.6	-1.4	1.0	0.0	-2.3
5	D	0.0	0.0	0.0	-0.4	-0.7	0.5	0.0	-1.2

Frame Line	Col Line	Wind_Long2 Horz	Wind_Long2 Vert	Seismic_Left Horz	Seismic_Left Vert	Seismic_Right Horz	Seismic_Right Vert	Seismic Long Horz	-E2UNB_SL_L- Horz	-E2UNB_SL_L- Vert
5	A	0.0	-1.1	0.0	0.0	0.0	0.0	0.02	0.0	2.9
5	B	-0.5	-3.6	-1.5	-2.1	0.0	2.0	0.04	0.0	6.9
5	C	0.0	-2.3	0.0	2.1	1.5	-2.0	0.04	0.0	3.7
5	D	0.0	-1.2	0.0	0.0	0.0	0.0	0.02	0.0	1.4

Frame Line	Col Line	-E2UNB_SL_R- Horz	-E2UNB_SL_R- Vert
5	A	0.0	1.4
5	B	0.0	3.7
5	C	0.0	6.9
5	D	0.0	2.8

011467_RF Seismic Design Report: 3/26/24 3:27pm

Building Data

Code	=NBC 15
Length	= 80.00
Width	= 40.00
Left Eave Height	= 17.00
Right Eave Height	= 20.33

Seismic Formula

Equivalent Static Force, Section 4.1.8.11

Shear Force V = S(Ta)*Mv*Ie*W/(Rd*Ro)
Vmin = S(2.0)*Mv*Ie*W/(Rd*Ro)
Vmax = S(0.2)*2/3*Ie*W/(Rd*Ro)

Ta	= 0.334
S(Ta)	= 0.399
Mv	= 1.000

(Moment Frame: Rigid Frame, Wind Bent, Wind Column)

Ta	= 0.155
S(Ta)	= 0.475
Mv	= 1.000

(Braced Frame: Endwall Frame, Diagonal Bracing)

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	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

```
  Zone/Design Category=   D
  Ie                  =   1.000
  S(2.0)              =   0.079
  S(0.2)              =   0.475

Seismic Dead Load, W
--------------------
  Frame    Dead       =    3.00 (psf  )
  Roof     Dead       =    2.20 (psf  )
  Collateral          =    3.00 (psf  )
  Snow          ( 25%)=   12.12 (psf  )
  Roof     Total      =   20.32 (psf  )    , Weight=  65.03 (k )
  Left  EW Dead       =    2.20 (psf  )    , Weight=   0.82 (k )
  Front SW Dead       =    2.20 (psf  )    , Weight=   1.79 (k )
  Right EW Dead       =    2.20 (psf  )    , Weight=   0.82 (k )
  Back  SW Dead       =    2.20 (psf  )    , Weight=   1.50 (k )
                                                       -------
                                                Total =  69.96 (k )

Seismic Forces
--------------

  Roof Bracing
                Rd =   1.50, Ro =   1.30
                Cs =   0.1624
                W  =  66.67 (k )
         Force  V  =  10.83 (k )  (Vmax)

  Sidewall Bracing
    Front SW    Rd =   1.50, Ro =   1.30
                Cs =   0.1624
                W  =  35.15 (k )
         Force  V  =   5.71 (k )  (Vmax)
    Back  SW    Rd =   1.50, Ro =   1.30
                Cs =   0.1624
                W  =  34.81 (k )
         Force  V  =   5.65 (k )  (Vmax)

  Endwall Bracing
    Left  EW    Rd =   1.50, Ro =   1.30
                Cs =   0.1624
                W  =   9.48 (k )
         Force  V  =   1.54 (k )  (Vmax)
    Right EW    Rd =   1.50, Ro =   1.30
                Cs =   0.1624
                W  =   9.48 (k )
         Force  V  =   1.54 (k )  (Vmax)

  Rigid Frames
                Rd =   1.50, Ro =   1.30
                Cs =   0.1624
    Frame  1    W  =  17.12 (k )
         Force  V  =   2.78 (k )  (Vmax)
```

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

End Plates
  Frame Rd = 1.00, Ro = 1.00

Total Base Shear
  Longitudinal
    Force V = 11.36 (k)
  Transverse
    Force V = 11.42 (k)

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11		
		Vars/ON/K0A 3H0		

```
*========================================================================
*011467_RF           Sidewall Design Input                    3/26/24  3:25pm
*========================================================================

*( 1)JOBID:
    '011467_RF'

*( 2)PROGRAM OPTIONS:
*Sidewall  Run    Run    Lap
*   Id     Girt   Panel Stiff
   'F'      'Y'   'Y'    1.00

*( 3)DESIGN CODE:
*Design  ---Steel_Code---             ---Build---   Code     Seismic
* Code   Cold       Hot      Country  Code   Year   Label     Zone
  'LS'  'NACN12  ' 'CSA14 '  '----'  'NBC '  '15'  'ONBC 19 ' 'D  '

*( 4)DESIGN CONSTANTS:
*               ---Strength_Factors--
* Stress_Ratio          ---Seismic---
* Girt   Panel    Wind   Frame  Brace
  1.00    1.00  1.0000  1.0000 1.0000

*( 5)STEEL YIELDS:
* Web   Flg  C_Sec  W_Sec  R_Sec  P_Sec  T_Sec  U_Sec    EP     BP
 55.0  55.0   55.0   55.0   50.0   46.0   46.0   36.0  55.0   55.0

*( 6)DEFLECTION LIMITS:
* ---Girt---  --Panel---
* Wall Facia  Wall Facia
   90.   90.   90.   90.

*( 7)REPORTS:
*   Input  Wall  Door  Wall
*   Echo   Girt  Jamb  Panel
    'Y'    'Y'   'Y'   'Y'

*( 8)BUILDING LAYOUT:
*---------Build----------   -----Left_Expand_EW-----   -----Right_Expand_EW----
* Type    Width    Length   Use  Opt  Extend  Offset   Use  Opt  Extend  Offset
 'FF-'  40.0000   80.0000  'N '  '-'   0.000   0.000  'N '  '-'   0.000   0.000

*( 9)SURFACE SHAPE:
* No.    X_Coord  Y_Coord  Offset
   3      0.0000  17.0000   8.000
         40.0000  20.3333  10.000
         40.0000   0.0000   8.000

*(10)SIDEWALL BAY SPACING:
*   No.   ---Bay_Set---
*  Sets     Width  Quan
     1    20.0000    4
```

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11		
		Vars/ON/K0A 3H0		

```
*(11)WALL OPENINGS:
*         ----Bay---                              Sill   Base    Set  Panel
JambL/JambR/Header/Sill
*No.  Id  Id  Offset  Type    Width   Height  Height   Elev  Depth   Opt    Type    Part
  3    3   1  8.3333   11    3.3333   7.1667  0.0000  0.000  0.000   'F'    'CU'
'--------'
                                                                            'CU'
'--------'
                                                                            'CU'
'--------'
                                                                            'CU'
'--------'
       4   3  5.0000   42   10.0000  12.0000  0.0000  0.000  0.000   'Y'    'CU'
'--------'
                                                                            'CU'
'--------'
                                                                            'CU'
'--------'
                                                                            'CU'
'--------'
       5   4  5.0000   42   10.0000  12.0000  0.0000  0.000  0.000   'Y'    'CU'
'--------'
                                                                            'CU'
'--------'
                                                                            'CU'
'--------'
                                                                            'CU'
'--------'

*(12)PARTIAL WALLS:
*                --Bay_Id-  ----Offset----          Jamb Base  Top Full_Load
------Panel------  Deflect_Limit
*No. Id  Use Opt Start End   Start     End   Height Type Type Type Girt  Col  Part
Opt Rot   Girt   Panel
  0

*(13)GIRT DESIGN:
*Girt  --Flange_Strap--    Set     Set     Max
*Type  Out  In    Space  Depth     Lap   Space
 'ZB'  'C'  'Y' 10.0000  8.000  0.0000  7.5000

*(14)GIRT LOCATION:
* Set
* Loc   No.   Location
  'P'    2    7.5000  14.0000

*(15)SPECIAL GIRT:
*     --Bay_Id--
*No.  Start  End   Height  Type  Rot  Part       Use
  0

*(16)PANELS/GUTTERS:
*--Wall_Panel--  -----Gutter-----  ------Insulation-----  Stand
```

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	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11		
		Vars/ON/K0A 3H0		

```
* Part      Rot  Use  Type  Width  Use  Thick  Part       Seam
 '26 PBR  ' '-'  '-'  'N'   0.000  'N'  0.000 '--------'  'N'

*(17)LINER PANELS:
*      --Bay_Id-                        Flange
*No.   Start End    Height   Part        Opt
  0

*(18)FACIA/PARAPET:
*                     -Bay_Id--    Horz -Vertical_Size-   --Edge_Extend-           Beam
* No.   Id  Type Opt  Start End   Width    Elev  Height     Left   Right  Mount     Lap
   0

*(19)FACIA/PARAPET GIRTS:
*Ext ---Top--  Interior  -Gutter-    Set
*Id  Type Rot  Type Rot  Type Rot  Depth

*(20)FACIA/PARAPET PANELS:
*Ext  Front      -----Back----    Angle
*Id   Part       Part      Rot  Spacing

*(21)BASIC LOADS:
*          ---Deflection---    Wind
*  Basic      Load_Ratio       Load  ---Seismic---
*  Wind    Snow  Wind  Seis  Factor   Dead   Coeff
     7.7   0.90  0.75  1.00    1.40   2.20  0.0000

*(22)EDGE ZONE:
* -Left_Zone--   -Right_Zone-                  Jamb/
* Width   Base   Width   Base   Girt   Panel  Column
  4.000  0.000   4.000  0.000   1.04    1.13   1.04

*(23)WIND PRESSURE/SUCTION:
*     Wind      Wind
*    Pressure  Suction
     18.6     -17.2     .. Girt/Header
     20.9     -18.6     .. Panel
     18.6     -17.2     .. Jamb
      0.0       0.0     .. Parapet Girt

*(24)GIRT LAPS:
*      Data  ------Set_1-------  ------Set_2-------  ------Set_3-------
* Opt  Sets  Left    Right Quan  Left    Right Quan  Left    Right Quan
  '-'   0

*(25)GIRT STRAPS:
*     Data  ---Set_1---  ---Set_2---  ---Set_3---  ---Set_4---
*Opt  Sets  Strap  Quan  Strap  Quan  Strap  Quan  Strap  Quan
 '-'   0

*(26)EXPANSION JOINTS:
* No.  Expansion_Location
   0
```

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11		
		Vars/ON/K0A 3H0		

```
*(27)BEAMS:
*     Bay
*No.   Id Use    Height   Offset  Locate1  Locate2
  0

*(28)DESIGN CODE OPTIONS:
*No.   Event                         Condition
  0

*(29)PANEL SCREWS:
* No.                                    Washer
*Zone Zone   Part          Dia    Limit     Dia  -------Spacing------
   2 'INT ' 'SSS125  '   0.250    1.000   0.500  12.000  6.000  0.000
     'EDGE' 'SSS125  '   0.250    1.000   0.500  12.000  6.000  0.000

*(30)GIRT LAYOUT:
*      Bay                                      -----Extend----   Frame_Opt  -Frame_Id-
*  No.  Id   Locate  Type  Rot Opt  Part         Left   Right  Left Right  Left Right
    0

* Code files used:
*   ON_ONBC.19LN
*   EW_NBC.15LN Version 4.0


================================================================================
 011467_RF           Wall 2 - Design Code                      3/26/24  3:25pm
================================================================================

 STRUCTURAL CODE:
 ----------------
   Design Basis      : LS - Limit States
   Hot  Rolled Steel : CSA14
   Cold Formed Steel : NACN12

 BUILDING CODE:
 --------------
   Wind Code         : ONBC 19  (NBC  15)
   Seismic Zone      : D

 MODULUS OF ELASTICITY:
 ----------------------
   Hot  Rolled Steel :  29007 (ksi  )
   Cold Formed Steel :  29500 (ksi  )


================================================================================
 011467_RF           Wall 2 - Bypass Girt Layout               3/26/24  3:25pm
================================================================================

 GIRT LAYOUT:
 ------------
        Des Bay            Bay_Offset Design ---Extend--         ----Max_Load---
  Locate  Id  Id Part       Start   End Length  Left Right Weight  Id   UC Report  Rot
```

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

7.50	1	1	8x25Z16	0.00	20.00	19.67	0.00	1.88	62.5	WS	0.91	Moment	U
		2	8x25Z16	0.00	20.00	20.00	1.88	0.00	63.4	WP	0.93	Moment	U
		3	8x25Z16	0.00	5.00	4.67	0.00	0.00	13.5	WP	0.94	Moment	U
	2	3	8x25Z15	15.00	20.00	4.67	0.00	0.00	15.4	WP	0.84	Moment	U
		4	8x25Z15	0.00	5.00	4.67	0.00	0.00	15.4	WP	0.84	Moment	U
	3	4	8x25Z16	15.00	20.00	4.33	0.00	0.00	12.6	WP	0.13	Shear	U
14.00	4	1	8x25Z16	0.00	20.00	19.67	0.00	1.88	62.5	WS	0.77	Moment	U
		2	8x25Z16	0.00	20.00	20.00	1.88	0.00	63.4	WP	0.79	Moment	U
		3	8x25Z16	0.00	5.00	4.67	0.00	0.00	13.5	WP	0.79	Moment	U
	5	3	8x25Z16	5.00	15.00	9.83	0.00	0.00	28.5	WS	0.31	Moment	U
	6	3	8x25Z16	15.00	20.00	4.67	0.00	0.00	13.5	WP	0.83	Moment	U
		4	8x25Z16	0.00	5.00	4.67	0.00	0.00	13.5	WP	0.83	Moment	U
	7	4	8x25Z16	5.00	15.00	9.83	0.00	0.00	28.5	WS	0.31	Moment	U
	8	4	8x25Z16	15.00	20.00	4.33	0.00	0.00	12.6	WP	0.11	Shear	U

WP - 1.4Wind_Pressure
WS - 1.4Wind_Suction

GIRT INSIDE FLANGE BRACE:

No._Brace/Bay			
1	2	3	4
1	1	1	1

==========

011467_RF Wall 2 - Girt Design 1 (Locate 7.50) 3/26/24 3:25pm

==========

GIRT LAYOUT:

Bay Id	Part	Locate	Design Length	--Lap(ft)-- Left	Right	Load Width	No. Brace	Weight	Available Reduction Factor Out	In
1	8x25Z16	7.5000	19.67		1.88	7.00	1	62.5	0.00	0.70
2	8x25Z16	7.5000	20.00	1.88		7.00	1	63.4	0.00	0.70
3	8x25Z16	7.5000	4.67			7.00	0	13.5	0.00	0.65
								139.4		

LOAD ID - 1.4Wind_Pressure:

GIRT ACTIONS:

Bay Id	Shear(k) Left Sup	Left Lap	Right Lap	Right Sup	Moment(f-k) Left Sup	Left Lap	Mid-Span Mom	Loc	Right Lap	Right Sup

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

1	1.37		-1.89	-2.23	0.00		-5.12	7.47	4.66	8.53
2	1.98	1.64		-1.67	8.53	5.13	-2.23	10.86		5.38
3	1.58			0.73	5.38		2.19	2.33		0.00

STRENGTH/DEFLECTION:

Bay	Shear(k)				Moment(f-k)				-Mom+Shr-		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
1	RLap	-1.89	3.12	0.61	RLap	4.66	5.86	0.79	RLap	0.87	-1.10	
2	RSup	-1.67	3.12	0.53	RSup	5.38	5.76	0.93	RSup	0.89	-0.25	
3	LSup	1.58	3.12	0.51	LSup	5.38	5.73	0.94	LSup	0.88	-0.37	

LAP BOLT SHEAR/BEARING:

Bolt Size =0.500 (A307)

Bay	Left_Lap(k)				Right_Lap(k)			
Id	Calc Shear		Bear	UC	Calc Shear		Bear	UC
1					1.14	3.92	2.37	0.48
2	1.14	3.92	2.37	0.48				

LOAD ID - 1.4Wind_Suction:

GIRT ACTIONS:

Bay	Shear(k)				Moment(f-k)					
	Left	Left	Right	Right	Left	Left	Mid-Span		Right	Right
Id	Sup	Lap	Lap	Sup	Sup	Lap	Mom	Loc	Lap	Sup
1	-1.29		1.75	2.07	0.00		4.76	7.54	-4.32	-7.90
2	-1.83	-1.52		1.54	-7.90	-4.76	2.06	10.87		-4.97
3	-1.46			-0.67	-4.97		-2.03	2.33		0.00

STRENGTH/DEFLECTION:

Bay	Shear(k)				Moment(f-k)				-Mom+Shr-		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
1	RLap	1.75	3.12	0.56	MidS	4.76	5.25	0.91	RLap	0.80	1.03	
2	RSup	1.54	3.12	0.49	RSup	-4.97	6.87	0.72	RSup	0.83	0.23	
3	LSup	-1.46	3.12	0.47	LSup	-4.97	6.87	0.72	LSup	0.81	0.34	

LAP BOLT SHEAR/BEARING:

Bolt Size =0.500 (A307)

Bay	Left_Lap(k)				Right_Lap(k)			
Id	Calc Shear		Bear	UC	Calc Shear		Bear	UC
1					1.05	3.92	2.37	0.44

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

2 1.05 3.92 2.37 0.44

DEFLECTION (Working Load):

Span Id	Wind_Pressure Calc	Wind_Pressure Limit	Wind_Suction Calc	Wind_Suction Limit
1	-0.59	2.62	0.55	2.62
2	-0.13	2.67	0.12	2.67
3	-0.20		0.18	

==========

011467_RF Wall 2 - Girt Design 2 (Locate 7.50) 3/26/24 3:25pm

==========

GIRT LAYOUT:

Bay Id	Part	Locate	Design Length	--Lap(ft)-- Left	Right	Load Width	No. Brace	Weight	Available Reduction Factor Out	In
3	8x25Z15	7.5000	4.67			7.00	0	15.4	0.00	0.70
4	8x25Z15	7.5000	4.67			7.00	0	15.4	0.00	0.70
								30.7		

LOAD ID - 1.4Wind_Pressure:

GIRT ACTIONS:

Bay Id	Shear(k) Left Sup	Shear(k) Left Lap	Shear(k) Right Lap	Shear(k) Right Sup	Moment(f-k) Left Sup	Moment(f-k) Left Lap	Moment(f-k) Mid-Span Mom	Moment(f-k) Mid-Span Loc	Moment(f-k) Right Lap	Moment(f-k) Right Sup
3	-0.82		-1.67	0.00		2.40	2.33			5.80
4	1.67		0.82	5.80		2.40	2.33			0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Calc	Limit	UC	Moment(f-k) Loc	Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
3	RSup	-1.67	4.57	0.36	RSup	5.80	6.87	0.84	RSup	0.76	0.04	
4	LSup	1.67	4.57	0.36	LSup	5.80	6.87	0.84	LSup	0.76	-0.49	

LOAD ID - 1.4Wind_Suction:

GIRT ACTIONS:

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Bay Id	Shear(k) Left Sup	Left Lap	Right Lap	Right Sup	Moment(f-k) Left Sup	Left Lap	Mid-Span Mom	Mid-Span Loc	Right Lap	Right Sup
3	0.76			1.54	0.00		-2.22	2.33		-5.36
4	-1.54			-0.76	-5.36		-2.22	2.33		0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Calc	Limit	UC	Moment(f-k) Loc	Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
3	RSup	1.54	4.57	0.34	RSup	-5.36	7.95	0.67	RSup	0.70	-0.04	
4	LSup	-1.54	4.57	0.34	LSup	-5.36	7.95	0.67	LSup	0.70	0.45	

DEFLECTION (Working Load):

Span Id	Wind_Pressure Calc	Limit	Wind_Suction Calc	Limit
3	0.02	0.62	-0.02	0.62
4	-0.26		0.24	

==========

011467_RF Wall 2 - Girt Design 3 (Locate 7.50) 3/26/24 3:25pm

==========

GIRT LAYOUT:

Bay Id	Part	Locate	Design Length	--Lap(ft)-- Left	Right	Load Width	No. Brace	Weight	Available Reduction Factor Out	In
4	8x25Z16	7.5000	4.33			7.00	0	12.6	0.00	0.65
								12.6		

LOAD ID - 1.4Wind_Pressure:

GIRT ACTIONS:

Bay Id	Shear(k) Left Sup	Left Lap	Right Lap	Right Sup	Moment(f-k) Left Sup	Left Lap	Mid-Span Mom	Mid-Span Loc	Right Lap	Right Sup
4	0.39			-0.39	0.00		-0.43	2.17		0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Calc	Limit	UC	Moment(f-k) Loc	Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

4	LSup	0.39	3.12	0.13	MidS	-0.43	6.87	0.06	LLap	0.08	-0.01

LOAD ID - 1.4Wind_Suction:

GIRT ACTIONS:

Bay Id	Shear(k) Left Sup	Shear(k) Left Lap	Shear(k) Right Lap	Shear(k) Right Sup	Moment(f-k) Left Sup	Moment(f-k) Left Lap	Moment(f-k) Mid-Span Mom	Moment(f-k) Mid-Span Loc	Moment(f-k) Right Lap	Moment(f-k) Right Sup
4	-0.38		0.38	0.00			0.41	2.16		0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Shear(k) Calc	Shear(k) Limit	Shear(k) UC	Moment(f-k) Loc	Moment(f-k) Calc	Moment(f-k) Limit	Moment(f-k) UC	-Mom+Shr- Loc	-Mom+Shr- UC	Deflect(in) Calc	Deflect(in) Limit
4	RSup	0.38	3.12	0.12	MidS	0.41	5.30	0.08	LLap	0.07	0.01	

DEFLECTION (Working Load):

Span Id	Wind_Pressure Calc	Wind_Pressure Limit	Wind_Suction Calc	Wind_Suction Limit
4	0.00	0.58	0.00	0.58

GIRT LAYOUT:

Bay Id	Part	Locate	Design Length	--Lap(ft)-- Left	--Lap(ft)-- Right	Load Width	No. Brace	Weight	Available Reduction Factor Out	Available Reduction Factor In
1	8x25Z16	14.0000	19.67		1.88	6.00	1	62.5	0.00	0.70
2	8x25Z16	14.0000	20.00	1.88		6.00	1	63.4	0.00	0.70
3	8x25Z16	14.0000	4.67			6.00	0	13.5	0.00	0.65
								139.4		

LOAD ID - 1.4Wind_Pressure:

GIRT ACTIONS:

Bay Id	Shear(k) Left Sup	Shear(k) Left Lap	Shear(k) Right Lap	Shear(k) Right Sup	Moment(f-k) Left Sup	Moment(f-k) Left Lap	Moment(f-k) Mid-Span Mom	Moment(f-k) Mid-Span Loc	Moment(f-k) Right Lap	Moment(f-k) Right Sup

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

1	1.16		-1.61	-1.91	0.00		-4.34	7.45	4.01	7.31
2	1.70	1.41		-1.42	7.31	4.40	-1.94	10.88		4.55
3	1.34			0.61	4.55		1.85	2.33		0.00

STRENGTH/DEFLECTION:

Bay	Shear(k)				Moment(f-k)				-Mom+Shr-		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
1	RLap	-1.61	3.12	0.52	RLap	4.01	5.86	0.68	RLap	0.74	-0.94	
2	RSup	-1.42	3.12	0.46	RSup	4.55	5.76	0.79	RSup	0.76	-0.23	
3	LSup	1.34	3.12	0.43	LSup	4.55	5.73	0.79	LSup	0.74	-0.30	

LAP BOLT SHEAR/BEARING:

Bolt Size =0.500 (A307)

Bay	Left_Lap(k)				Right_Lap(k)			
Id	Calc	Shear	Bear	UC	Calc	Shear	Bear	UC
1					0.97	3.92	2.37	0.41
2	0.97	3.92	2.37	0.41				

LOAD ID - 1.4Wind_Suction:

GIRT ACTIONS:

	Shear(k)				Moment(f-k)					
Bay	Left	Left	Right	Right	Left	Left	Mid-Span		Right	Right
Id	Sup	Lap	Lap	Sup	Sup	Lap	Mom	Loc	Lap	Sup
1	-1.10		1.50	1.77	0.00		4.03	7.53	-3.71	-6.77
2	-1.57	-1.30		1.32	-6.77	-4.08	1.79	10.89		-4.21
3	-1.24			-0.56	-4.21		-1.71	2.33		0.00

STRENGTH/DEFLECTION:

Bay	Shear(k)				Moment(f-k)				-Mom+Shr-		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
1	RLap	1.50	3.12	0.48	MidS	4.03	5.25	0.77	RLap	0.69	0.87	
2	RSup	1.32	3.12	0.42	RSup	-4.21	6.87	0.61	RSup	0.70	0.21	
3	LSup	-1.24	3.12	0.40	LSup	-4.21	6.87	0.61	LSup	0.69	0.28	

LAP BOLT SHEAR/BEARING:

Bolt Size =0.500 (A307)

Bay	Left_Lap(k)				Right_Lap(k)			
Id	Calc	Shear	Bear	UC	Calc	Shear	Bear	UC

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

```
   1                              0.90  3.92  2.37 0.38
   2   0.90  3.92  2.37 0.38
```

DEFLECTION (Working Load):

Span Id	Wind_Pressure Calc	Wind_Pressure Limit	Wind_Suction Calc	Wind_Suction Limit
1	-0.50	2.62	0.47	2.62
2	-0.12	2.67	0.11	2.67
3	-0.16		0.15	

==========

011467_RF Wall 2 - Girt Design 5 (Locate 14.00) 3/26/24 3:25pm

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GIRT LAYOUT:

Bay Id	Part	Locate	Design Length	--Lap(ft)-- Left	Right	Load Width	No. Brace	Weight	Available Reduction Factor Out	In
3	8x25Z16	14.0000	9.83			6.00	1	28.5	0.00	0.65
								28.5		

LOAD ID - 1.4Wind_Pressure:

GIRT ACTIONS:

Bay Id	Shear(k) Left Sup	Shear(k) Left Lap	Shear(k) Right Lap	Shear(k) Right Sup	Moment(f-k) Left Sup	Moment(f-k) Left Lap	Moment(f-k) Mid-Span Mom	Moment(f-k) Mid-Span Loc	Moment(f-k) Right Lap	Moment(f-k) Right Sup
3	0.77		-0.77		0.00		-1.89	4.92		0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Shear(k) Calc	Shear(k) Limit	Shear(k) UC	Moment(f-k) Loc	Moment(f-k) Calc	Moment(f-k) Limit	Moment(f-k) UC	-Mom+Shr- Loc	-Mom+Shr- UC	Deflect(in) Calc	Deflect(in) Limit
3	LSup	0.77	3.12	0.25	MidS	-1.89	6.87	0.27	RLap	0.23	-0.14	

LOAD ID - 1.4Wind_Suction:

GIRT ACTIONS:

Bay	Shear(k) Left Sup	Shear(k) Left Lap	Shear(k) Right Lap	Shear(k) Right Sup	Moment(f-k) Left Sup	Moment(f-k) Left Lap	Moment(f-k) Mid-Span Mom	Moment(f-k) Mid-Span Loc	Moment(f-k) Right Lap	Moment(f-k) Right Sup

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Id	Sup	Lap	Lap	Sup	Sup	Lap	Mom	Loc	Lap	Sup
3	-0.71			0.71	0.00		1.75	4.92		0.00

STRENGTH/DEFLECTION:

Bay	-------Shear(k)------				-----Moment(f-k)-----				-Mom+Shr-		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
3	LSup	-0.71	3.12	0.23	MidS	1.75	5.72	0.31	RLap	0.21	0.13	

DEFLECTION (Working Load):

Span Id	Wind_Pressure Calc	Wind_Pressure Limit	Wind_Suction Calc	Wind_Suction Limit
3	-0.07	1.31	0.07	1.31

==========

011467_RF Wall 2 - Girt Design 6 (Locate 14.00) 3/26/24 3:25pm

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GIRT LAYOUT:

Bay Id	Part	Locate	Design Length	--Lap(ft)-- Left	Right	Load Width	No. Brace	Weight	Available Reduction Factor Out	In
3	8x25Z16	14.0000	4.67			6.00	0	13.5	0.00	0.70
4	8x25Z16	14.0000	4.67			6.00	0	13.5	0.00	0.70
								27.1		

LOAD ID - 1.4Wind_Pressure:

GIRT ACTIONS:

Bay	---------Shear(k)--------				-------------Moment(f-k)-------------					
Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	Mid-Span Mom	Loc	Right Lap	Right Sup
3	-0.66		-1.39	0.00		1.96	2.33			4.77
4	1.39		0.66	4.77		1.96	2.33			0.00

STRENGTH/DEFLECTION:

Bay	-------Shear(k)------				-----Moment(f-k)-----				-Mom+Shr-		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
3	RSup	-1.39	3.12	0.45	RSup	4.77	5.73	0.83	RSup	0.78	0.04	
4	LSup	1.39	3.12	0.45	LSup	4.77	5.73	0.83	LSup	0.78	-0.46	

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

LOAD ID - 1.4Wind_Suction:

GIRT ACTIONS:

Bay Id	Shear(k) Left Sup	Shear(k) Left Lap	Shear(k) Right Lap	Shear(k) Right Sup	Moment(f-k) Left Sup	Moment(f-k) Left Lap	Moment(f-k) Mid-Span Mom	Moment(f-k) Mid-Span Loc	Moment(f-k) Right Lap	Moment(f-k) Right Sup
3	0.61		1.28	0.00			-1.81	2.33		-4.41
4	-1.28		-0.61	-4.41			-1.81	2.33		0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Shear(k) Calc	Shear(k) Limit	Shear(k) UC	Moment(f-k) Loc	Moment(f-k) Calc	Moment(f-k) Limit	Moment(f-k) UC	-Mom+Shr- Loc	-Mom+Shr- UC	Deflect(in) Calc	Deflect(in) Limit
3	RSup	1.28	3.12	0.41	RSup	-4.41	6.87	0.64	RSup	0.72	-0.04	
4	LSup	-1.28	3.12	0.41	LSup	-4.41	6.87	0.64	LSup	0.72	0.42	

DEFLECTION (Working Load):

Span Id	Wind_Pressure Calc	Wind_Pressure Limit	Wind_Suction Calc	Wind_Suction Limit
3	0.02	0.62	-0.02	0.62
4	-0.24		0.23	

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011467_RF Wall 2 - Girt Design 7 (Locate 14.00) 3/26/24 3:25pm

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GIRT LAYOUT:

Bay Id	Part	Locate	Design Length	Lap(ft) Left	Lap(ft) Right	Load Width	No. Brace	Weight	Available Reduction Factor Out	Available Reduction Factor In
4	8x25Z16	14.0000	9.83			6.00	1	28.5	0.00	0.65
								28.5		

LOAD ID - 1.4Wind_Pressure:

GIRT ACTIONS:

Bay Id	Shear(k) Left Sup	Shear(k) Left Lap	Shear(k) Right Lap	Shear(k) Right Sup	Moment(f-k) Left Sup	Moment(f-k) Left Lap	Moment(f-k) Mid-Span Mom	Moment(f-k) Mid-Span Loc	Moment(f-k) Right Lap	Moment(f-k) Right Sup

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

4	0.77	-0.77	0.00	-1.89	4.92		0.00

STRENGTH/DEFLECTION:

Bay	Shear(k)				Moment(f-k)				-Mom+Shr-		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
4	LSup	0.77	3.12	0.25	MidS	-1.89	6.87	0.27	RLap	0.23	-0.14	

LOAD ID - 1.4Wind_Suction:

GIRT ACTIONS:

Bay	Shear(k)				Moment(f-k)				
Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	Mid-Span Mom	Mid-Span Loc	Right Lap	Right Sup
4	-0.71		0.71	0.00			1.75	4.92		0.00

STRENGTH/DEFLECTION:

Bay	Shear(k)				Moment(f-k)				-Mom+Shr-		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
4	LSup	-0.71	3.12	0.23	MidS	1.75	5.72	0.31	LLap	0.21	0.13	

DEFLECTION (Working Load):

Span	Wind_Pressure		Wind_Suction	
Id	Calc	Limit	Calc	Limit
4	-0.07	1.31	0.07	1.31

==========

011467_RF Wall 2 - Girt Design 8 (Locate 14.00) 3/26/24 3:25pm

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GIRT LAYOUT:

Bay			Design	--Lap(ft)--		Load	No.		Available Reduction Factor	
Id	Part	Locate	Length	Left	Right	Width	Brace	Weight	Out	In
4	8x25Z16	14.0000	4.33			6.00	0	12.6	0.00	0.65
								12.6		

LOAD ID - 1.4Wind_Pressure:

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11		
		Vars/ON/K0A 3H0		

GIRT ACTIONS:

Bay Id	Shear(k) Left Sup	Shear(k) Left Lap	Shear(k) Right Lap	Shear(k) Right Sup	Moment(f-k) Left Sup	Moment(f-k) Left Lap	Moment(f-k) Mid-Span Mom	Moment(f-k) Mid-Span Loc	Moment(f-k) Right Lap	Moment(f-k) Right Sup
4	0.34		-0.34	0.00			-0.37	2.17		0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Shear(k) Calc	Shear(k) Limit	Shear(k) UC	Moment(f-k) Loc	Moment(f-k) Calc	Moment(f-k) Limit	Moment(f-k) UC	-Mom+Shr- Loc	-Mom+Shr- UC	Deflect(in) Calc	Deflect(in) Limit
4	LSup	0.34	3.12	0.11	MidS	-0.37	6.87	0.05	RLap	0.07	-0.01	

LOAD ID - 1.4Wind_Suction:

GIRT ACTIONS:

Bay Id	Shear(k) Left Sup	Shear(k) Left Lap	Shear(k) Right Lap	Shear(k) Right Sup	Moment(f-k) Left Sup	Moment(f-k) Left Lap	Moment(f-k) Mid-Span Mom	Moment(f-k) Mid-Span Loc	Moment(f-k) Right Lap	Moment(f-k) Right Sup
4	-0.32		0.33	0.00			0.35	2.16		0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Shear(k) Calc	Shear(k) Limit	Shear(k) UC	Moment(f-k) Loc	Moment(f-k) Calc	Moment(f-k) Limit	Moment(f-k) UC	-Mom+Shr- Loc	-Mom+Shr- UC	Deflect(in) Calc	Deflect(in) Limit
4	RSup	0.33	3.12	0.10	MidS	0.35	5.30	0.07	LLap	0.06	0.00	

DEFLECTION (Working Load):

Span Id	Wind_Pressure Calc	Wind_Pressure Limit	Wind_Suction Calc	Wind_Suction Limit
4	0.00	0.58	0.00	0.58

LAYOUT:

Open Id	Bay Id	Locate	Part	Length	Load Width	Load Weight
3	1	JambL	8x275C16	7.50	1.67	21.8
		JambR	8x275C16	7.50	1.67	21.8
		Header	8x275C16	3.33	0.17	9.7
4	3	JambL	8x275C16	19.50	5.00	56.5
		JambR	8x275C16	19.50	5.00	56.5

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

		Header	8x275C16	10.00	1.00	29.0
5	4	JambL	10x28C15	19.50	5.00	73.1
		JambR	10x28C15	19.50	5.00	73.1
		Header	10x28C15	10.00	1.00	37.5

STRENGTH/DEFLECTION:

Open Id	Member	Load Id	--Shear(k)- Calc	Limit	--Moment(ft,f-k)- Loc	Calc	Limit	Mom+ Shear	Max UC	Deflect(in) Calc	Limit
3	JambL	WP	0.16	3.1	3.75	-0.31	5.6	0.00	0.05	-0.01	1.00
		WS	-0.15	3.1	3.75	0.28	5.6	0.00	0.05	0.01	1.00
	JambR	WP	0.16	3.1	3.75	-0.31	5.6	0.00	0.05	-0.01	1.00
		WS	-0.15	3.1	3.75	0.28	5.6	0.00	0.05	0.01	1.00
	Header	WP	0.01	3.1	1.67	-0.01	7.1	0.00	0.00	0.00	0.44
		WS	-0.01	3.1	1.67	0.01	5.9	0.00	0.00	0.00	0.44
4	JambL	WP	0.65	3.1	10.75	-1.82	5.7	0.20	0.32	-0.27	2.60
		WS	-0.60	3.1	10.75	1.69	5.7	0.18	0.29	0.25	2.60
	JambR	WP	0.58	3.1	10.75	-1.38	5.6	0.16	0.24	-0.20	2.60
		WS	-0.54	3.1	10.75	1.27	5.6	0.15	0.22	0.18	2.60
	Header	WP	0.13	3.1	5.00	-0.33	7.1	0.00	0.05	-0.01	1.33
		WS	-0.12	3.1	5.00	0.30	5.6	0.00	0.05	0.01	1.33
5	JambL	WP	0.58	3.6	10.75	-1.38	8.6	0.13	0.16	-0.10	2.60
		WS	-0.54	3.6	10.75	1.27	8.6	0.12	0.15	0.10	2.60
	JambR	WP	-1.72	3.6	7.50	-8.79	9.1	0.84	0.96	-0.72	2.60
		WS	1.61	3.6	7.50	8.19	9.1	0.78	0.90	0.67	2.60
	Header	WP	0.13	3.6	5.00	-0.33	10.7	0.00	0.04	-0.01	1.33
		WS	-0.12	3.6	5.00	0.30	8.5	0.00	0.04	0.01	1.33

WP - 1.4Wind_Pressure
WS - 1.4Wind_Suction

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011467_RF Wall 2 - Panel Design (Bay 4) 3/26/24 3:25pm

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PANEL DATA:

Bay Id	Part	Rot	Type	Gage	Yield	Rotation Stiffness	Panel Height
4	26 PBR	N	PBR	26.00	80.0	0.00	19.50

MOMENTS & DEFLECTION:

Span Id	Locate(ft) Start	End	Load	Moment(ft-lb/ft) Start Calc	Limit	Midspan Calc	Limit	End Calc	Limit	Max UC	Deflect(in) Calc	Limit
1	0.00	7.50	WP	0.0	187.2	-133.2	187.2	160.9	205.2	0.78	-0.43	1.00
			WS	0.0	205.2	133.9	205.2	-161.8	187.2	0.86	0.43	1.00
2	7.50	14.00	WP	160.9	205.2	-30.7	187.2	90.8	205.2	0.78	-0.01	0.87
			WS	-161.8	187.2	30.9	205.2	-91.3	187.2	0.86	0.01	0.87

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11		
		Vars/ON/K0A 3H0		

3	14.00	19.50	WP	90.8	205.2	-69.8	187.2	0.0	187.2	0.44	-0.12	0.73
			WS	-91.3	187.2	70.2	205.2	0.0	205.2	0.49	0.12	0.73

WP - 1.4Wind_Pressure
WS - 1.4Wind_Suction

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011467_RF Wall 2 - Panel Zones 3/26/24 3:25pm

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PANEL:

Part	Thick (in)	Yield (ksi)	Tensile Strength (ksi)
26 PBR	0.019	80.00	104.0

GIRT SCREWS:

Part	Dia (in)	Washer (in)	Limit (k)
SSS125	0.25	0.50	1.00

PANEL ZONE LAYOUT:

Zone Id	Description	Wall(ft) Offset1	Wall(ft) Offset2	Bay Id	Girt(ft,ft,in) Locate	Load Width	Min Thick	Panel Span (ft)
1	Interior	4.00	76.00	1	7.50	7.00	0.059	7.50
2	Lt Edge	0.00	4.00	1	7.50	7.00	0.059	7.50
3	Rt Edge	76.00	80.00	4	7.50	7.00	0.059	7.50

GIRT SCREW CHECK:

Zone Id	Screw Space (ft)	Wind Suction (psf)	Load (k)	Limit(k) Girt Pullout	Panel Pullover	Screw Tension	Max UC
1	1.00	26.04	0.18	0.36	0.59	0.32	0.57
2	1.00	29.43	0.21	0.36	0.59	0.32	0.64
3	1.00	29.43	0.21	0.36	0.59	0.32	0.64

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011467_RF Wall 2 - Weight Summary 3/26/24 3:25pm

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Girts	=	418.82
Jambs/Headers	=	378.98

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11		
		Vars/ON/K0A 3H0		

797.80

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011467_RF Wall 2 - Warning Summary 3/26/24 3:25pm

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.. No Warnings

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

```
*========================================================================
*011467_RF           Sidewall Design Input                    3/26/24  3:25pm
*========================================================================

*( 1)JOBID:
    '011467_RF'

*( 2)PROGRAM OPTIONS:
*Sidewall  Run    Run    Lap
*   Id     Girt   Panel Stiff
   'B'      'Y'   'Y'    1.00

*( 3)DESIGN CODE:
*Design  ---Steel_Code---             ---Build---   Code     Seismic
* Code   Cold       Hot      Country  Code   Year   Label     Zone
  'LS'  'NACN12  ' 'CSA14 '  '----'  'NBC '  '15'  'ONBC 19 ' 'D  '

*( 4)DESIGN CONSTANTS:
*               ---Strength_Factors--
* Stress_Ratio          ---Seismic---
* Girt   Panel    Wind   Frame  Brace
  1.00    1.00  1.0000  1.0000 1.0000

*( 5)STEEL YIELDS:
* Web   Flg  C_Sec  W_Sec  R_Sec  P_Sec  T_Sec  U_Sec    EP     BP
 55.0  55.0   55.0   55.0   50.0   46.0   46.0   36.0  55.0   55.0

*( 6)DEFLECTION LIMITS:
* ---Girt---  --Panel---
* Wall Facia  Wall Facia
   90.   90.   90.   90.

*( 7)REPORTS:
*   Input  Wall  Door  Wall
*   Echo   Girt  Jamb  Panel
    'Y'    'Y'   'Y'   'Y'

*( 8)BUILDING LAYOUT:
*---------Build----------   -----Left_Expand_EW-----   -----Right_Expand_EW----
* Type    Width    Length   Use  Opt  Extend  Offset   Use  Opt  Extend  Offset
 'FF-'  40.0000   80.0000  'N '  '-'   0.000   0.000  'N '  '-'   0.000   0.000

*( 9)SURFACE SHAPE:
* No.    X_Coord  Y_Coord  Offset
   3      0.0000  17.0000   8.000
         40.0000  20.3333  10.000
         40.0000   0.0000   8.000

*(10)SIDEWALL BAY SPACING:
*   No.   ---Bay_Set---
*  Sets     Width  Quan
     1    20.0000    4
```

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

```
*(11)WALL OPENINGS:
*         ----Bay---                              Sill   Base    Set  Panel
JambL/JambR/Header/Sill
*No.  Id  Id  Offset  Type    Width   Height  Height   Elev  Depth   Opt    Type    Part
  0

*(12)PARTIAL WALLS:
*                --Bay_Id-  ----Offset----          Jamb Base  Top Full_Load
------Panel------  Deflect_Limit
*No. Id  Use Opt Start End   Start     End   Height Type Type Type Girt  Col  Part
Opt Rot   Girt   Panel
  0

*(13)GIRT DESIGN:
*Girt  --Flange_Strap--    Set     Set     Max
*Type  Out  In    Space  Depth     Lap   Space
 'ZB'  'C'  'Y' 10.0000  8.000  0.0000  7.5000

*(14)GIRT LOCATION:
* Set
* Loc   No.   Location
  'P'    2    7.5000  14.0000

*(15)SPECIAL GIRT:
*     --Bay_Id--
*No.  Start  End   Height  Type  Rot  Part       Use
  0

*(16)PANELS/GUTTERS:
*--Wall_Panel--  -----Gutter-----  ------Insulation-----  Stand
* Part      Rot  Use  Type  Width  Use  Thick  Part       Seam
 '26 PBR  ' '-'  '-'  'N'   0.000  'N'  0.000 '--------'  'N'

*(17)LINER PANELS:
*      --Bay_Id-                        Flange
*No.   Start End    Height   Part       Opt
  0

*(18)FACIA/PARAPET:
*                     -Bay_Id--    Horz -Vertical_Size-   --Edge_Extend-           Beam
* No.   Id  Type Opt  Start End   Width    Elev  Height     Left   Right  Mount     Lap
   0

*(19)FACIA/PARAPET GIRTS:
*Ext ---Top--  Interior  -Gutter-    Set
*Id  Type Rot  Type Rot  Type Rot  Depth

*(20)FACIA/PARAPET PANELS:
*Ext  Front      -----Back----    Angle
*Id   Part       Part      Rot  Spacing

*(21)BASIC LOADS:
*          ---Deflection---    Wind
```

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11		
		Vars/ON/K0A 3H0		

```
*  Basic      Load_Ratio       Load  ---Seismic---
*  Wind    Snow  Wind  Seis  Factor   Dead   Coeff
     7.7   0.90  0.75  1.00    1.40   2.20  0.0000

*(22)EDGE ZONE:
* -Left_Zone--   -Right_Zone-                  Jamb/
* Width   Base   Width   Base   Girt   Panel  Column
  4.000  0.000   4.000  0.000   1.04    1.13   1.04

*(23)WIND PRESSURE/SUCTION:
*     Wind      Wind
*    Pressure  Suction
     18.6     -17.2     .. Girt/Header
     20.9     -18.6     .. Panel
     18.6     -17.2     .. Jamb
      0.0       0.0     .. Parapet Girt

*(24)GIRT LAPS:
*      Data  ------Set_1-------  ------Set_2-------  ------Set_3-------
* Opt  Sets  Left    Right Quan  Left    Right Quan  Left    Right Quan
  '-'   0

*(25)GIRT STRAPS:
*     Data  ---Set_1---  ---Set_2---  ---Set_3---  ---Set_4---
*Opt  Sets  Strap  Quan  Strap  Quan  Strap  Quan  Strap  Quan
 '-'   0

*(26)EXPANSION JOINTS:
* No.  Expansion_Location
   0

*(27)BEAMS:
*     Bay
*No.   Id Use    Height   Offset  Locate1  Locate2
  0

*(28)DESIGN CODE OPTIONS:
*No.   Event                        Condition
  0

*(29)PANEL SCREWS:
* No.                                  Washer
*Zone Zone   Part          Dia    Limit     Dia  -------Spacing------
   2 'INT ' 'SSS125  '   0.250    1.000   0.500  12.000  6.000  0.000
     'EDGE' 'SSS125  '   0.250    1.000   0.500  12.000  6.000  0.000

*(30)GIRT LAYOUT:
*      Bay                                    -----Extend----   Frame_Opt  -Frame_Id-
*  No.  Id   Locate  Type  Rot Opt  Part         Left   Right  Left Right  Left Right
    0

* Code files used:
*   ON_ONBC.19LN
*   EW_NBC.15LN Version 4.0
```

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

```
================================================================================
 011467_RF           Wall 4 - Design Code                        3/26/24  3:25pm
================================================================================

 STRUCTURAL CODE:
 ----------------
   Design Basis      : LS - Limit States
   Hot  Rolled Steel : CSA14
   Cold Formed Steel : NACN12

 BUILDING CODE:
 --------------
   Wind Code         : ONBC 19  (NBC  15)
   Seismic Zone      : D

 MODULUS OF ELASTICITY:
 ----------------------
   Hot  Rolled Steel :  29007 (ksi  )
   Cold Formed Steel :  29500 (ksi  )


================================================================================
 011467_RF           Wall 4 - Bypass Girt Layout                 3/26/24  3:25pm
================================================================================

 GIRT LAYOUT:
 ------------
         Des Bay             Bay_Offset Design ---Extend--          ----Max_Load---
  Locate  Id  Id Part       Start   End Length  Left Right Weight  Id   UC Report  Rot
  ------ --- --- --------   ----- ----- ------ ----- ----- ------  -- ---- ------- ---
    7.50   1   1 8x25Z16     0.00 20.00  19.67  0.00  1.88   62.5  WS 0.90 Moment   U
               2 8x25Z16     0.00 20.00  20.00  1.88  1.88   68.9  WP 0.89 Moment   U
               3 8x25Z16     0.00 20.00  20.00  1.88  1.88   68.9  WP 0.89 Moment   U
               4 8x25Z16     0.00 20.00  19.67  1.88  0.00   62.5  WS 0.90 Moment   U
  ------ --- --- --------   ----- ----- ------ ----- ----- ------  -- ---- ------- ---
   14.00   2   1 8x25Z16     0.00 20.00  19.67  0.00  1.88   62.5  WS 0.56 Moment   U
               2 8x25Z16     0.00 20.00  20.00  1.88  1.88   68.9  WP 0.55 Moment   U
               3 8x25Z16     0.00 20.00  20.00  1.88  1.88   68.9  WP 0.55 Moment   U
               4 8x25Z16     0.00 20.00  19.67  1.88  0.00   62.5  WS 0.56 Moment   U

                                                      WP - 1.4Wind_Pressure
                                                      WS - 1.4Wind_Suction


 GIRT INSIDE FLANGE BRACE:
 -------------------------
  No._Brace/Bay
    1   2   3   4
  --- --- --- ---
    1   1   1   1

================================================================================
```

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

011467_RF Wall 4 - Girt Design 1 (Locate 7.50) 3/26/24 3:25pm

GIRT LAYOUT:

Bay Id	Part	Locate	Design Length	--Lap(ft)-- Left	Right	Load Width	No. Brace	Weight	Available Reduction Factor Out	In
1	8x25Z16	7.5000	19.67		1.88	7.00	1	62.5	0.00	0.70
2	8x25Z16	7.5000	20.00	1.88	1.88	7.00	1	68.9	0.00	0.70
3	8x25Z16	7.5000	20.00	1.88	1.88	7.00	1	68.9	0.00	0.70
4	8x25Z16	7.5000	19.67	1.88		7.00	1	62.5	0.00	0.70
								262.7		

LOAD ID - 1.4Wind_Pressure:

GIRT ACTIONS:

Bay Id	Shear(k) Left Sup	Left Lap	Right Lap	Right Sup	Moment(f-k) Left Sup	Left Lap	Mid-Span Mom	Mid-Span Loc	Right Lap	Right Sup
1	1.36		-1.88	-2.22	0.00		-5.07	7.46	4.66	8.51
2	1.98	1.63	-1.33	-1.67	8.51	5.12	-2.21	10.84	2.63	5.44
3	1.67	1.33	-1.63	-1.98	5.44	2.63	-2.21	9.16	5.12	8.51
4	2.22	1.88		-1.36	8.51	4.66	-5.07	12.21		0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Calc	Limit	UC	Moment(f-k) Loc	Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
1	RLap	-1.88	3.12	0.60	RLap	4.66	5.86	0.79	RLap	0.87	-1.10	
2	LLap	1.63	3.12	0.52	LLap	5.12	5.77	0.89	LLap	0.86	-0.26	
3	RLap	-1.63	3.12	0.52	RLap	5.12	5.77	0.89	RLap	0.86	-0.26	
4	LLap	1.88	3.12	0.60	LLap	4.66	5.86	0.79	LLap	0.87	-1.10	

LAP BOLT SHEAR/BEARING:

Bolt Size =0.500 (A307)

Bay Id	Left_Lap(k) Calc	Shear	Bear	UC	Right_Lap(k) Calc	Shear	Bear	UC
1					1.13	3.92	2.37	0.48
2	1.13	3.92	2.37	0.48	0.73	3.92	2.37	0.31
3	0.73	3.92	2.37	0.31	1.13	3.92	2.37	0.48
4	1.13	3.92	2.37	0.48				

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

LOAD ID - 1.4Wind_Suction:

GIRT ACTIONS:

Bay Id	Shear(k) Left Sup	Shear(k) Left Lap	Shear(k) Right Lap	Shear(k) Right Sup	Moment(f-k) Left Sup	Moment(f-k) Left Lap	Moment(f-k) Mid-Span Mom	Moment(f-k) Mid-Span Loc	Moment(f-k) Right Lap	Moment(f-k) Right Sup
1	-1.28		1.74	2.06	0.00		4.71	7.53	-4.31	-7.88
2	-1.83	-1.51	1.23	1.54	-7.88	-4.75	2.04	10.85	-2.42	-5.02
3	-1.54	-1.23	1.51	1.83	-5.02	-2.42	2.04	9.15	-4.75	-7.88
4	-2.06	-1.74		1.28	-7.88	-4.31	4.71	12.13		0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Shear(k) Calc	Shear(k) Limit	Shear(k) UC	Moment(f-k) Loc	Moment(f-k) Calc	Moment(f-k) Limit	Moment(f-k) UC	-Mom+Shr- Loc	-Mom+Shr- UC	Deflect(in) Calc	Deflect(in) Limit
1	RLap	1.74	3.12	0.56	MidS	4.71	5.25	0.90	RLap	0.80	1.02	
2	LLap	-1.51	3.12	0.49	LLap	-4.75	6.87	0.69	LLap	0.80	0.24	
3	RLap	1.51	3.12	0.49	RLap	-4.75	6.87	0.69	RLap	0.80	0.24	
4	LLap	-1.74	3.12	0.56	MidS	4.71	5.25	0.90	LLap	0.80	1.02	

LAP BOLT SHEAR/BEARING:

Bolt Size =0.500 (A307)

Bay Id	Left_Lap(k) Calc Shear	Left_Lap(k) Bear	Left_Lap(k) UC	Right_Lap(k) Calc Shear	Right_Lap(k) Bear	Right_Lap(k) UC
1				1.05	3.92	2.37 0.44
2	1.05	3.92	2.37 0.44	0.67	3.92	2.37 0.28
3	0.67	3.92	2.37 0.28	1.05	3.92	2.37 0.44
4	1.05	3.92	2.37 0.44			

DEFLECTION (Working Load):

Span Id	Wind_Pressure Calc	Wind_Pressure Limit	Wind_Suction Calc	Wind_Suction Limit
1	-0.59	2.62	0.55	2.62
2	-0.14	2.67	0.13	2.67
3	-0.14	2.67	0.13	2.67
4	-0.59	2.62	0.55	2.62

GIRT LAYOUT:

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Bay Id	Part	Locate	Design Length	--Lap(ft)-- Left	Right	Load Width	No. Brace	Weight	Available Reduction Factor Out	In
1	8x25Z16	14.0000	19.67		1.88	4.33	1	62.5	0.00	0.70
2	8x25Z16	14.0000	20.00	1.88	1.88	4.33	1	68.9	0.00	0.70
3	8x25Z16	14.0000	20.00	1.88	1.88	4.33	1	68.9	0.00	0.70
4	8x25Z16	14.0000	19.67	1.88		4.33	1	62.5	0.00	0.70
								262.7		

LOAD ID - 1.4Wind_Pressure:

GIRT ACTIONS:

Bay Id	Shear(k) Left Sup	Left Lap	Right Lap	Right Sup	Moment(f-k) Left Sup	Left Lap	Mid-Span Mom	Mid-Span Loc	Right Lap	Right Sup
1	0.84		-1.17	-1.38	0.00		-3.14	7.46	2.88	5.26
2	1.22	1.01	-0.82	-1.03	5.26	3.17	-1.37	10.84	1.63	3.36
3	1.03	0.82	-1.01	-1.22	3.37	1.63	-1.37	9.16	3.17	5.26
4	1.38	1.17		-0.84	5.26	2.88	-3.14	12.21		0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Calc	Limit	UC	Moment(f-k) Loc	Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
1	RLap	-1.17	3.12	0.37	RLap	2.88	5.86	0.49	RLap	0.54	-0.68	
2	LLap	1.01	3.12	0.32	LLap	3.17	5.77	0.55	LLap	0.53	-0.16	
3	RLap	-1.01	3.12	0.32	RLap	3.17	5.77	0.55	RLap	0.53	-0.16	
4	LLap	1.17	3.12	0.37	LLap	2.88	5.86	0.49	LLap	0.54	-0.68	

LAP BOLT SHEAR/BEARING:

Bolt Size =0.500 (A307)

Bay Id	Left_Lap(k) Calc Shear	Bear	UC	Right_Lap(k) Calc Shear	Bear	UC
1				0.70	3.92	2.37	0.30
2	0.70	3.92	2.37	0.30	0.45	3.92	2.37	0.19
3	0.45	3.92	2.37	0.19	0.70	3.92	2.37	0.30
4	0.70	3.92	2.37	0.30				

LOAD ID - 1.4Wind_Suction:

GIRT ACTIONS:

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Bay Id	Shear(k) Left Sup	Left Lap	Right Lap	Right Sup	Moment(f-k) Left Sup	Left Lap	Mid-Span Mom	Mid-Span Loc	Right Lap	Right Sup
1	-0.79		1.08	1.28	0.00		2.92	7.53	-2.67	-4.88
2	-1.13	-0.94	0.76	0.95	-4.88	-2.94	1.26	10.85	-1.50	-3.11
3	-0.95	-0.76	0.94	1.13	-3.11	-1.50	1.26	9.15	-2.94	-4.88
4	-1.28	-1.08		0.79	-4.88	-2.67	2.92	12.13		0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Calc	Limit	UC	Moment(f-k) Loc	Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
1	RLap	1.08	3.12	0.35	MidS	2.92	5.25	0.56	RLap	0.50	0.63	
2	LLap	-0.94	3.12	0.30	LLap	-2.94	6.87	0.43	LLap	0.49	0.15	
3	RLap	0.94	3.12	0.30	RLap	-2.94	6.87	0.43	RLap	0.49	0.15	
4	LLap	-1.08	3.12	0.35	MidS	2.92	5.25	0.56	LLap	0.50	0.63	

LAP BOLT SHEAR/BEARING:

Bolt Size =0.500 (A307)

Bay Id	Left_Lap(k) Calc Shear	Bear	UC	Right_Lap(k) Calc Shear	Bear	UC
1				0.65	3.92	2.37	0.27
2	0.65	3.92	2.37	0.27	0.41	3.92	2.37	0.17
3	0.41	3.92	2.37	0.17	0.65	3.92	2.37	0.27
4	0.65	3.92	2.37	0.27				

DEFLECTION (Working Load):

Span Id	Wind_Pressure Calc	Limit	Wind_Suction Calc	Limit
1	-0.36	2.62	0.34	2.62
2	-0.08	2.67	0.08	2.67
3	-0.08	2.67	0.08	2.67
4	-0.36	2.62	0.34	2.62

==========

011467_RF Wall 4 - Panel Design (Bay 4) 3/26/24 3:25pm

==========

PANEL DATA:

Bay Id	Part	Rot	Type	Gage	Yield	Rotation Stiffness	Panel Height
4	26 PBR	N	PBR	26.00	80.0	0.00	16.16

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

MOMENTS & DEFLECTION:

Span Id	Locate(ft) Start	End	Load	Moment(ft-lb/ft) Start Calc	Start Limit	Midspan Calc	Midspan Limit	End Calc	End Limit	Max UC	Deflect(in) Calc	Deflect(in) Limit
1	0.00	7.50	WP	0.0	187.2	-130.0	187.2	168.7	205.2	0.82	-0.41	1.00
			WS	0.0	205.2	130.7	205.2	-169.7	187.2	0.91	0.41	1.00
2	7.50	14.00	WP	168.7	205.2	-46.8	187.2	56.9	205.2	0.82	-0.06	0.87
			WS	-169.7	187.2	47.0	205.2	-57.2	187.2	0.91	0.06	0.87
3	14.00	16.16	WP	56.9	205.2	-0.5	187.2	0.0	187.2	0.28	0.01	0.29
			WS	-57.2	187.2	0.5	205.2	0.0	205.2	0.31	-0.01	0.29

WP - 1.4Wind_Pressure
WS - 1.4Wind_Suction

==========

011467_RF Wall 4 - Panel Zones 3/26/24 3:25pm

==========

PANEL:

Part	Thick (in)	Yield (ksi)	Tensile Strength (ksi)
26 PBR	0.019	80.00	104.0

GIRT SCREWS:

Part	Dia (in)	Washer (in)	Limit (k)
SSS125	0.25	0.50	1.00

PANEL ZONE LAYOUT:

Zone Id	Description	Wall(ft) Offset1	Wall(ft) Offset2	Bay Id	Girt(ft,ft,in) Load Locate	Load Width	Min Thick	Panel Span (ft)
1	Interior	4.00	76.00	1	7.50	7.00	0.059	7.50
2	Lt Edge	0.00	4.00	1	7.50	7.00	0.059	7.50
3	Rt Edge	76.00	80.00	4	7.50	7.00	0.059	7.50

GIRT SCREW CHECK:

Zone Id	Screw Space (ft)	Wind Suction (psf)	Load (k)	Limit(k) Girt Pullout	Panel Pullover	Screw Tension	Max UC
1	1.00	26.04	0.18	0.36	0.59	0.32	0.57
2	1.00	29.43	0.21	0.36	0.59	0.32	0.64

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

3	1.00	29.43	0.21	0.36	0.59	0.32	0.64

==========

011467_RF Wall 4 - Weight Summary 3/26/24 3:25pm

==========

Girts	=	525.38
Jambs/Headers	=	0.00
		525.38

==========

011467_RF Wall 4 - Warning Summary 3/26/24 3:25pm

==========

.. No Warnings

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11		
		Vars/ON/K0A 3H0		

```
*========================================================================
*011467_RF           Endwall Design Input                    3/26/24  3:25pm
*========================================================================

*( 1)JOBID:
    '011467_RF'

*( 2)PROGRAM OPTIONS:
* -Wall-   Run    Run  Run   Run
* Loc Id  Col/Raf Girt Brace Panel
  'L'  1    'Y'    'Y'  'Y'   'Y'

*( 3)DESIGN CODE:
*Design  ---Steel_Code---             ---Build---   Code     Seismic
* Code   Cold       Hot      Country  Code   Year   Label     Zone
  'LS'  'NACN12  ' 'CSA14 '  '----'  'NBC '  '15'  'ONBC 19 ' 'D  '

*( 4)DESIGN CONSTANTS:
*                     ---Strength_Factors--
* ---Stress_Ratio---          ---Seismic---
* Col/Raf Girt Panel    Wind   Frame  Brace
    1.00  1.00  1.00  1.0000  1.0000 1.0000

*( 5)STEEL YIELDS:
* Web   Flg  C_Sec  W_Sec  R_Sec  P_Sec  T_Sec  U_Sec    EP     BP
 55.0  55.0   55.0   55.0   50.0   46.0   46.0   36.0  55.0   55.0

*( 6)DEFLECTION LIMITS:
* -----Rafter-----          ---Girt---  --Panel---
* Live  Wind Total  Column  Wall Facia  Wall Facia  Brace
  180.  180.    0.   180.    90.   90.   90.   90.    60.

*( 7)REPORTS:
*   Input  Column  Wall  Door  Wall   Cable
*   Echo   Rafter  Girt  Jamb  Panel  Brace
    'Y'     'Y'    'Y'   'Y'    'Y'    'Y'

*( 8)BUILDING LAYOUT:
*                              ---------------Expand_EW---------------
* Type      Width     Length    Use Opt  Extend Offset Flange LoadWidth
 'FF-'    40.0000    80.0000   'N ' '-'   0.000  0.000  0.000   0.0000

*( 9)SURFACE SHAPE:
* No.    X_Coord  Y_Coord  Offset  Opt
   3      0.0000  17.0000   8.000  '-'
         40.0000  20.3333  10.000  '-'
         40.0000   0.0000   8.000  '-'


*(10)BAY SPACING:
* No.   ---Bay_Set---
*Sets     Width  Quan
   1    13.3333    3
```

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```
*(11)ROOF & SIDEWALL BAY:
* --Roof_Bay--   Frame    Left_SW_Bay   Right_SW_Bay
* No.    Width  Recess     Width Open     Width Open
   4   20.0000  0.3333   20.0000  'N'   20.0000  'N'

*(12)WALL OPENINGS:
*         ----Bay---                            Sill   Base    Set  Panel
JambL/JambR/Header/Sill
*No.  Id  Id  Offset  Type    Width    Height  Height   Elev  Depth   Opt    Type    Part
  2    1   1  4.6666   31    4.0000   7.0000  4.0000  0.000  0.000   'F'    'CU'
'--------'
                                                                          'CU'
'--------'
                                                                          'CU'
'--------'
                                                                          'CU'
'--------'
       2   3  4.6666   31    4.0000   7.0000  4.0000  0.000  0.000   'F'    'CU'
'--------'
                                                                          'CU'
'--------'
                                                                          'CU'
'--------'
                                                                          'CU'
'--------'

*(13)WIDE OPENING LAYOUT:
*----Open--- Bay_Id  --Clear_Opening--   Wedge     Stub    Column  Total
*No. Id Type St End  Width      Height   Height    Elev     Mount  Weight
 0

*(14)WIDE OPENING & STRUT FRAMING:
*-Open- ------Door_Jamb------ Stub   Head Back_Brace Strut -Header_Beam- Deflection
*No. Id Type   FlgWid  FlgThk Type   Type Type  Loc  Type  Type Max_Spc  Horz  Vert
 0

*(15)WIDE OPENING HEADER LOCATION:
*-Open-    No.        Column
*No. Id    Location   Location
 0

*(16)PARTIAL WALLS:
*               --Bay_Id-  ----Offset----          Jamb Base  Top Full_Load
------Panel------  Deflect_Limit
*No. Id  Use Opt Start End   Start     End   Height Type Type Type Girt  Col  Part
Opt Rot   Girt   Panel
  0

*(17)COLUMNS:
*          Max
*Same  UnBrace
*Depth  Length
  'Y'   60.000
```

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*(18)COLUMN PART & ELEVATION:
*
*No.	Id	Type	Part	Opt	Rot	Depth	---Base--- Elev	Opt	Rafter Attach
4	1	'W '	'--------'	'-'	'N'	0.000	0.000	'-'	'F'
	2	'W '	'--------'	'-'	'-'	0.000	0.000	'-'	'F'
	3	'W '	'--------'	'-'	'-'	0.000	0.000	'-'	'F'
	4	'W '	'--------'	'-'	'N'	0.000	0.000	'-'	'F'

*(19)COLUMN SPLICES:
* Col
* No.	Id	Locate	Type
0			

*(20)RAFTERS:
*Rafter Same	Flange Brace
'Y'	'Y'

*(21)RAFTER PART:
* Surf
*No.	Id	Type	Part	Opt	Rot	Depth
2	2	'W '	'--------'	'-'	'-'	0.000
	2	'W '	'--------'	'-'	'-'	0.000

*(22)RAFTER SPLICES:
* Surf
* No.	Id	Locate	Type	Opt
3	2	0.0000	'--'	'-'
	2	29.7590	'M '	'-'
	2	40.1386	'--'	'-'

*(23)GIRT DESIGN:
*Girt Type	--Flange_Strap-- Out	In	Space	Offset	Project	--Depth-- Set	Opt	Set Lap	Max Space	Rafter Attach
'ZF'	'C'	'Y'	10.0000	0.000	0.000	8.000	'W'	0.0000	7.5000	'Y'

*(24)GIRT LOCATION:
* Set Loc	No.	Location	
'P'	2	7.5000	14.0000

*(25)SPECIAL GIRT:
* --Bay_Id--
*No.	Start	End	Height	Type	Rot	Part	Use
0							

*(26)SIDEWALL GIRT:
*Wall * Id	Type	Depth	Offset	Project	No.	Location	
2	'ZB'	8.000	0.000	0.000	2	7.5000	14.0000
4	'ZB'	8.000	0.000	0.000	2	7.5000	14.0000

*(27)ROOF PURLINS:

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```
*Surf   Surf      Peak
* Id     Ext      Space  No.  Locate
   2   0.000    1.0000   9   4.3487   8.6975  13.0462  17.3949  21.7437  26.0924
                           30.4412  34.7899  39.1387

*(28)WALL PANELS:
*--Wall_Panel--  ------Insulation-----
* Part      Rot  Use  Thick  Part
 '26 PBR  ' '-'  'N'  0.000 '--------'

*(29)LINER PANELS:
*      --Bay_Id-                        Flange
*No.   Start End    Height   Part        Opt
  0

*(30)RIGID FRAME:
*Frame Interior_Column
*Type  Type  No.  Locate
 '-- ' '-'    0

*(31)WALL FRAMING OPTIONS:
*Panel  Diagonal  Brace            EW_Brace_To_Frame
*Shear  Bracing   Option  Height      Left     Right
  'N'     'Y'      '--'   0.0000   13.0012   26.0023

*(32)WALL BRACING:
*   Wind   Brace     No._Bay   Specified
*  Shear   Type     Specified  Bays_For_Bracing
   100.0    'R  '       1         2

*(33)WALL BRACING ATTACHMENT:
*                 --Bay_Id--            No.
* No.      Id     Start  End     Elev  Level         Level_Height
    1       1       1     3     0.000    0

*(34)EXTENSION LAYOUT:
*    Ext  Wall                    --Bay_Id-   --Edge_Extend--     Beam
*No.  Id   Id   Type  Opt  Mount Start End     Left    Right      Lap  Attach
   0

*(35)EXTENSION SIZE:
*Ext  -----Horizontal_Size-----   ---------Vertical_Size--------
* Id    Height    Width   Slope      Elev  Height  Slope Project

*(36)EXTENSION GIRTS:
*    Ext
*No.  Id   Use        Type  Rot  Depth
  0

*(37)EXTENSION PANELS:
*     Ext                              Angle
*No.  Id   Use        Part       Rot  Spacing
  0
```

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*(38)BASIC LOADS:

* Dead Load	Collat Load	Live Load	Snow Load	Rain Load	Basic Wind	---Deflection--- Load_Ratio Snow	Wind	Seis	Load_Factor Girt Wind	Conn Seis
2.20	3.00	21.00	48.49	0.00	7.74	0.90	0.75	1.00	1.40	1.00

*(39)EDGE ZONE:

*----------Endwall----------				---------Sidewall----------				--------Ratio--------		
*-Left_Corner- Width	Base	Right_Corner Width	Base	-Left_Corner- Width	Base	Right_Corner Width	Base	Girt	Panel	Jamb/ Column
4.000	0.000	4.000	0.000	4.000	0.000	4.000	0.000	1.04	1.13	1.02

*(40)BASIC LOADS AT EAVE:

* Seis Dead	Seis Girt	Seis Load	--Torsion-- Wind	Seis	--Extension-- Wind	Seis	-Additional- Wind	Seis
2.20	0.0000	1.54	0.00	0.00	0.00	0.00	0.00	0.00

*(41)LONGITUDINAL BRACING LOADS:

* ----Wind-----		---Seismic---		
* Horz	Vert	Horz	Vert	
0.00	0.00	0.00	0.00	.. Left Column
0.00	0.00	0.00	0.00	.. Right Column

*(42)WIND PRESSURE/SUCTION:

* Wind Press	Wind Suct	
12.77	-8.90	.. Column
18.62	-17.20	.. Girt/Header
18.62	-17.20	.. Jamb
20.89	-18.57	.. Panel
20.12	-20.12	.. Parapet Column
20.12	-20.12	.. Parapet Girt
13.93	-8.51	.. Transv Bracing, Facia/Parapet

*(43)WIND COEFFICIENTS:

* Surf Id	Wind_1 Left	Right	Wind_2 Left	Right	Long_Wind 1	2	Surface Friction
1	0.55	-1.40	2.05	0.10	-1.50	-1.50	0.00
2	-2.60	-1.60	-1.10	-0.10	-2.60	-2.60	0.00
3	-1.40	0.55	0.10	2.05	-1.50	-1.50	0.00

*(44)COLUMN, RAFTER, BRACING DESIGN LOADS: Strength

										Factored_Load					
*-Load-			---Live---			-Add_Snow-				Wind1		Wind2			
*No	Id	Dead	Coll	Roof	Floor	Snow	Drift	Slide	Rain	Left	Right	Left	Right	Long_Wind 1	2
Press	Suct	Long	Tran	Id	Coef										
209	1	1.25	1.25	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0	0.00									
	2	1.40	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0	0.00									
	3	1.25	1.25	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0	0.00									
	4	1.25	1.25	1.50	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.00	0.00	

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0.00 0.40 0.00 0.00 0.00 0 0.00
5 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00
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6 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00
0.00 0.40 0.00 0.00 0.00 0 0.00
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9 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00
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10 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00
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11 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00
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12 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40
0.00 0.40 0.00 0.00 0.00 0 0.00
13 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.40 0.40 0.00 0.00 0.00 0 0.00
14 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40
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15 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
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20 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00
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21 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00
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26 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40
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27 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
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29 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
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30 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.00 0.00
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31 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.40 0.00 0.00 0.00 0.00

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0.00 0.40 0.00 0.00 0.00 0 0.00
32 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.40 0.00 0.00 0.00 0.00
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33 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.40 0.00 0.00 0.00
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76 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40
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77 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
1.40 1.40 0.00 0.00 0.00 0 0.00
78 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40
0.00 0.00 1.40 0.00 0.00 0 0.00
79 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
1.40 0.00 1.40 0.00 0.00 0 0.00
80 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00
0.00 1.40 0.00 0.00 0.00 0 0.00
81 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00
0.00 0.00 1.40 0.00 0.00 0 0.00
82 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00
0.00 0.00 1.40 0.00 0.00 0 0.00
83 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00
0.00 1.40 0.00 0.00 0.00 0 0.00
84 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 1.40 0.00 0.00 0.00 0.00
0.00 0.00 1.40 0.00 0.00 0 0.00
85 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 1.40 0.00 0.00 0.00

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

0.00 0.00 1.40 0.00 0.00 0 0.00
86 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 1.40 0.00 0.00 0.00 0.00
0.00 1.40 0.00 0.00 0.00 0 0.00
87 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 1.40 0.00 0.00 0.00
0.00 1.40 0.00 0.00 0.00 0 0.00
88 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 1.40 0.00 0.00 0 0.00
89 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00
0.00 1.40 0.00 0.00 0.00 0 0.00
90 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 1.40
0.00 1.40 0.00 0.00 0.00 0 0.00
91 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00
1.40 1.40 0.00 0.00 0.00 0 0.00
92 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 1.40
0.00 0.00 1.40 0.00 0.00 0 0.00
93 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00
1.40 0.00 1.40 0.00 0.00 0 0.00
94 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 1.40 0.00 0.00
0.00 1.40 0.00 0.00 0.00 0 0.00
95 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 1.40 0.00
0.00 0.00 1.40 0.00 0.00 0 0.00
96 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 1.40 0.00 0.00
0.00 0.00 1.40 0.00 0.00 0 0.00
97 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 1.40 0.00
0.00 1.40 0.00 0.00 0.00 0 0.00
98 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00
0.00 0.00 1.40 0.00 0.00 0 0.00
99 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00
0.00 0.00 1.40 0.00 0.00 0 0.00
100 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00
0.00 1.40 0.00 0.00 0.00 0 0.00
101 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00
0.00 1.40 0.00 0.00 0.00 0 0.00
102 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 1.40 0.00 0.00 0 0.00
103 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.00 1.40 0.00 0.00 0.00 0 0.00
104 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40
0.00 1.40 0.00 0.00 0.00 0 0.00
105 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
1.40 1.40 0.00 0.00 0.00 0 0.00
106 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40
0.00 0.00 1.40 0.00 0.00 0 0.00
107 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
1.40 0.00 1.40 0.00 0.00 0 0.00
108 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00
0.00 1.40 0.00 0.00 0.00 0 0.00
109 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00
0.00 0.00 1.40 0.00 0.00 0 0.00
110 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00
0.00 0.00 1.40 0.00 0.00 0 0.00
111 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00
0.00 1.40 0.00 0.00 0.00 0 0.00
112 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

0.00 0.00 1.40 0.00 0.00 0 0.00
113 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00
0.00 0.00 1.40 0.00 0.00 0 0.00
114 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00
0.00 1.40 0.00 0.00 0.00 0 0.00
115 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00
0.00 1.40 0.00 0.00 0.00 0 0.00
116 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 1.40 0.00 0.00 0 0.00
117 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.00 1.40 0.00 0.00 0.00 0 0.00
118 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40
0.00 1.40 0.00 0.00 0.00 0 0.00
119 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
1.40 1.40 0.00 0.00 0.00 0 0.00
120 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40
0.00 0.00 1.40 0.00 0.00 0 0.00
121 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
1.40 0.00 1.40 0.00 0.00 0 0.00
122 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00
0.00 1.40 0.00 0.00 0.00 0 0.00
123 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00
0.00 0.00 1.40 0.00 0.00 0 0.00
124 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00
0.00 0.00 1.40 0.00 0.00 0 0.00
125 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00
0.00 1.40 0.00 0.00 0.00 0 0.00
126 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 1.40 0.00 0.00 0.00 0.00
0.00 0.00 1.40 0.00 0.00 0 0.00
127 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 1.40 0.00 0.00 0.00
0.00 0.00 1.40 0.00 0.00 0 0.00
128 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 1.40 0.00 0.00 0.00 0.00
0.00 1.40 0.00 0.00 0.00 0 0.00
129 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 1.40 0.00 0.00 0.00
0.00 1.40 0.00 0.00 0.00 0 0.00
130 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 1.40 0.00 0.00 0 0.00
131 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00
0.00 1.40 0.00 0.00 0.00 0 0.00
132 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 1.40
0.00 1.40 0.00 0.00 0.00 0 0.00
133 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00
1.40 1.40 0.00 0.00 0.00 0 0.00
134 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 1.40
0.00 0.00 1.40 0.00 0.00 0 0.00
135 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00
1.40 0.00 1.40 0.00 0.00 0 0.00
136 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 1.40 0.00 0.00
0.00 1.40 0.00 0.00 0.00 0 0.00
137 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 1.40 0.00
0.00 0.00 1.40 0.00 0.00 0 0.00
138 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 1.40 0.00 0.00
0.00 0.00 1.40 0.00 0.00 0 0.00
139 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 1.40 0.00

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

```
0.00  1.40  0.00  0.00  0.00    0  0.00
    140  1.00 1.00 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  1.00    0  0.00
    141  1.00 1.00 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00 -1.00    0  0.00
    142  1.00 1.00 0.00  0.00  0.25  0.25  0.25  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  1.00    0  0.00
    143  1.00 1.00 0.00  0.00  0.25  0.25  0.25  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00 -1.00    0  0.00
    144  1.25 1.25 0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00    1  1.50
    145  1.25 1.25 0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00    2  1.50
    146  1.25 1.25 0.00  0.00  0.50  0.50  0.50  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00    0  0.00
    147  1.25 1.25 1.50  0.00  0.00  0.00  0.00  0.00  0.40  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00    0  0.00
    148  1.25 1.25 1.50  0.00  0.00  0.00  0.00  0.00  0.00  0.40  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00    0  0.00
    149  1.25 1.25 1.50  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.40  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00    0  0.00
    150  1.25 1.25 1.50  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.40  0.00  0.00
0.00  0.00  0.00  0.00  0.00    0  0.00
    151  1.25 1.25 1.50  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.40  0.00
0.00  0.00  0.00  0.00  0.00    0  0.00
    152  1.25 1.25 1.50  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.40  0.00  0.00  0.00  0.00    0  0.00
    153  0.90 0.00 0.00  0.00  0.50  0.50  0.50  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00    0  0.00
    154  0.90 0.00 1.50  0.00  0.00  0.00  0.00  0.00  0.40  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00    0  0.00
    155  0.90 0.00 1.50  0.00  0.00  0.00  0.00  0.00  0.00  0.40  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00    0  0.00
    156  0.90 0.00 1.50  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.40  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00    0  0.00
    157  0.90 0.00 1.50  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.40  0.00  0.00
0.00  0.00  0.00  0.00  0.00    0  0.00
    158  0.90 0.00 1.50  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.40  0.00
0.00  0.00  0.00  0.00  0.00    0  0.00
    159  0.90 0.00 1.50  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.40  0.00  0.00  0.00  0.00    0  0.00
    160  1.25 1.25 0.00  0.00  1.50  1.50  1.50  0.00  0.40  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00    0  0.00
    161  1.25 1.25 0.00  0.00  1.50  1.50  1.50  0.00  0.00  0.40  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00    0  0.00
    162  1.25 1.25 0.00  0.00  1.50  1.50  1.50  0.00  0.00  0.00  0.40  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00    0  0.00
    163  1.25 1.25 0.00  0.00  1.50  1.50  1.50  0.00  0.00  0.00  0.00  0.40  0.00  0.00
0.00  0.00  0.00  0.00  0.00    0  0.00
    164  1.25 1.25 0.00  0.00  1.50  1.50  1.50  0.00  0.00  0.00  0.00  0.00  0.40  0.00
0.00  0.00  0.00  0.00  0.00    0  0.00
    165  1.25 1.25 0.00  0.00  1.50  1.50  1.50  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.40  0.00  0.00  0.00  0.00    0  0.00
    166  0.90 0.00 0.00  0.00  1.50  1.50  1.50  0.00  0.40  0.00  0.00  0.00  0.00  0.00
```

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

0.00 0.00 0.00 0.00 0.00 0 0.00
167 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.40 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
168 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.40 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
169 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.40 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
170 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.00 0.40
0.00 0.00 0.00 0.00 0.00 0 0.00
171 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.00 0.00
0.40 0.00 0.00 0.00 0.00 0 0.00
172 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
173 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
174 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
175 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
176 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40
0.00 0.00 0.00 0.00 0.00 0 0.00
177 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
1.40 0.00 0.00 0.00 0.00 0 0.00
178 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
179 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
180 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
181 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
182 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40
0.00 0.00 0.00 0.00 0.00 0 0.00
183 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
1.40 0.00 0.00 0.00 0.00 0 0.00
184 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 1.40 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
185 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 1.40 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
186 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 1.40 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
187 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 1.40 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
188 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 1.40
0.00 0.00 0.00 0.00 0.00 0 0.00
189 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00
1.40 0.00 0.00 0.00 0.00 0 0.00
190 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
191 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
192 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
193 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

0.00 0.00 0.00 0.00 0.00 0 0.00
194 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40
0.00 0.00 0.00 0.00 0.00 0 0.00
195 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
1.40 0.00 0.00 0.00 0.00 0 0.00
196 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
197 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
198 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
199 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
200 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40
0.00 0.00 0.00 0.00 0.00 0 0.00
201 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
1.40 0.00 0.00 0.00 0.00 0 0.00
202 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 1.40 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
203 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 1.40 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
204 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 1.40 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
205 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 1.40 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
206 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 1.40
0.00 0.00 0.00 0.00 0.00 0 0.00
207 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00
1.40 0.00 0.00 0.00 0.00 0 0.00
208 1.00 1.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 1.00 0 0.00
209 1.00 1.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 -1.00 0 0.00

*(45)COLUMN, RAFTER, BRACING DESIGN LOADS: Serviceability

*-Load-		---Live---		-Add_Snow-			Wind_1		Wind_2				
*No	Id	Dead	Coll	Roof	Floor	Snow	Drift	Slide	Rain	Left	Right	Left	Right
1	2	Press	Suct	Long	Tran	Id	Coef						
119	210	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0	0.00							
211	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0	0.00							
212	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0	0.00							
213	1.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0	0.00							
214	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.00	0.00
0.00	0.40	0.00	0.00	0.00	0	0.00							
215	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.00
0.00	0.40	0.00	0.00	0.00	0	0.00							
216	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.00	0.00
0.00	0.00	0.40	0.00	0.00	0	0.00							
217	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.00

	Job No	011467_RF	Date	3/26/2024
	Customer	Norsteel Buildings	Designed By	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

0.00 0.00 0.40 0.00 0.00 0 0.00
218 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.40 0.00 0.00 0 0.00
219 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.40 0.00 0.00 0.00 0 0.00
220 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00
0.00 0.40 0.00 0.00 0.00 0 0.00
221 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00
0.00 0.40 0.00 0.00 0.00 0 0.00
222 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00
0.00 0.00 0.40 0.00 0.00 0 0.00
223 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00
0.00 0.00 0.40 0.00 0.00 0 0.00
224 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40
0.00 0.40 0.00 0.00 0.00 0 0.00
225 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.40 0.40 0.00 0.00 0.00 0 0.00
226 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40
0.00 0.00 0.40 0.00 0.00 0 0.00
227 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.40 0.00 0.40 0.00 0.00 0 0.00
228 1.00 1.00 0.00 0.00 1.00 1.00 1.00 0.00 0.40 0.00 0.00 0.00 0.00
0.00 0.40 0.00 0.00 0.00 0 0.00
229 1.00 1.00 0.00 0.00 1.00 1.00 1.00 0.00 0.00 0.40 0.00 0.00 0.00
0.00 0.40 0.00 0.00 0.00 0 0.00
230 1.00 1.00 0.00 0.00 1.00 1.00 1.00 0.00 0.40 0.00 0.00 0.00 0.00
0.00 0.00 0.40 0.00 0.00 0 0.00
231 1.00 1.00 0.00 0.00 1.00 1.00 1.00 0.00 0.00 0.40 0.00 0.00 0.00
0.00 0.00 0.40 0.00 0.00 0 0.00
232 1.00 1.00 0.00 0.00 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.40 0.00 0.00 0.00 0 0.00
233 1.00 1.00 0.00 0.00 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.40 0.00 0.00 0 0.00
234 1.00 1.00 0.00 0.00 1.00 1.00 1.00 0.00 0.00 0.00 0.40 0.00 0.00
0.00 0.40 0.00 0.00 0.00 0 0.00
235 1.00 1.00 0.00 0.00 1.00 1.00 1.00 0.00 0.00 0.00 0.40 0.00 0.00
0.00 0.00 0.40 0.00 0.00 0 0.00
236 1.00 1.00 0.00 0.00 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.40 0.00
0.00 0.40 0.00 0.00 0.00 0 0.00
237 1.00 1.00 0.00 0.00 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.40 0.00
0.00 0.00 0.40 0.00 0.00 0 0.00
238 1.00 1.00 0.00 0.00 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.40
0.00 0.40 0.00 0.00 0.00 0 0.00
239 1.00 1.00 0.00 0.00 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00
0.40 0.40 0.00 0.00 0.00 0 0.00
240 1.00 1.00 0.00 0.00 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.40
0.00 0.00 0.40 0.00 0.00 0 0.00
241 1.00 1.00 0.00 0.00 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00
0.40 0.00 0.40 0.00 0.00 0 0.00
242 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00 0.00 0.00
0.00 1.00 0.00 0.00 0.00 0 0.00
243 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00 0.00
0.00 1.00 0.00 0.00 0.00 0 0.00
244 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00 0.00 0.00

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

0.00 0.00 1.00 0.00 0.00 0 0.00
245 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00 0.00
0.00 0.00 1.00 0.00 0.00 0 0.00
246 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.00 1.00 0.00 0.00 0.00 0 0.00
247 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 1.00 0.00 0.00 0 0.00
248 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00
0.00 1.00 0.00 0.00 0.00 0 0.00
249 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00
0.00 1.00 0.00 0.00 0.00 0 0.00
250 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00
0.00 0.00 1.00 0.00 0.00 0 0.00
251 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00
0.00 0.00 1.00 0.00 0.00 0 0.00
252 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00
0.00 1.00 0.00 0.00 0.00 0 0.00
253 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
1.00 1.00 0.00 0.00 0.00 0 0.00
254 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00
0.00 0.00 1.00 0.00 0.00 0 0.00
255 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
1.00 0.00 1.00 0.00 0.00 0 0.00
256 1.00 1.00 0.50 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00 0.00 0.00
0.00 1.00 0.00 0.00 0.00 0 0.00
257 1.00 1.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00 0.00
0.00 1.00 0.00 0.00 0.00 0 0.00
258 1.00 1.00 0.50 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00 0.00 0.00
0.00 0.00 1.00 0.00 0.00 0 0.00
259 1.00 1.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00 0.00
0.00 0.00 1.00 0.00 0.00 0 0.00
260 1.00 1.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.00 1.00 0.00 0.00 0.00 0 0.00
261 1.00 1.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 1.00 0.00 0.00 0 0.00
262 1.00 1.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00
0.00 1.00 0.00 0.00 0.00 0 0.00
263 1.00 1.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00
0.00 1.00 0.00 0.00 0.00 0 0.00
264 1.00 1.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00
0.00 0.00 1.00 0.00 0.00 0 0.00
265 1.00 1.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00
0.00 0.00 1.00 0.00 0.00 0 0.00
266 1.00 1.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00
0.00 1.00 0.00 0.00 0.00 0 0.00
267 1.00 1.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
1.00 1.00 0.00 0.00 0.00 0 0.00
268 1.00 1.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00
0.00 0.00 1.00 0.00 0.00 0 0.00
269 1.00 1.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
1.00 0.00 1.00 0.00 0.00 0 0.00
270 1.00 1.00 0.00 0.00 0.50 0.50 0.50 0.00 1.00 0.00 0.00 0.00 0.00
0.00 1.00 0.00 0.00 0.00 0 0.00
271 1.00 1.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 1.00 0.00 0.00 0.00

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

0.00 1.00 0.00 0.00 0.00 0 0.00
272 1.00 1.00 0.00 0.00 0.50 0.50 0.50 0.00 1.00 0.00 0.00 0.00 0.00
0.00 0.00 1.00 0.00 0.00 0 0.00
273 1.00 1.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 1.00 0.00 0.00 0.00
0.00 0.00 1.00 0.00 0.00 0 0.00
274 1.00 1.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00
0.00 1.00 0.00 0.00 0.00 0 0.00
275 1.00 1.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 1.00 0.00 0.00 0 0.00
276 1.00 1.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 1.00 0.00 0.00
0.00 1.00 0.00 0.00 0.00 0 0.00
277 1.00 1.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 1.00 0.00
0.00 1.00 0.00 0.00 0.00 0 0.00
278 1.00 1.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 1.00 0.00 0.00
0.00 0.00 1.00 0.00 0.00 0 0.00
279 1.00 1.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 1.00 0.00
0.00 0.00 1.00 0.00 0.00 0 0.00
280 1.00 1.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 1.00
0.00 1.00 0.00 0.00 0.00 0 0.00
281 1.00 1.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00
1.00 1.00 0.00 0.00 0.00 0 0.00
282 1.00 1.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 1.00
0.00 0.00 1.00 0.00 0.00 0 0.00
283 1.00 1.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00
1.00 0.00 1.00 0.00 0.00 0 0.00
284 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 1.00 0 0.00
285 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 -1.00 0 0.00
286 1.00 1.00 0.00 0.00 0.25 0.25 0.25 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 1.00 0 0.00
287 1.00 1.00 0.00 0.00 0.25 0.25 0.25 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 -1.00 0 0.00
288 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
289 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
290 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
291 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
292 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00
0.00 0.00 0.00 0.00 0.00 0 0.00
293 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
1.00 0.00 0.00 0.00 0.00 0 0.00
294 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.00 1.00 0.00 0.00 0.00 0 0.00
295 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 1.00 0.00 0.00 0 0.00
296 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 1.00 0 0.00
297 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 -1.00 0 0.00
298 0.00 0.00 0.00 0.00 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

0.00 0.00 0.00 0.00 0.00 0 0.00
299 0.00 0.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
300 0.00 0.00 0.00 0.00 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 1 0.90
301 0.00 0.00 0.00 0.00 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 2 0.90
302 1.00 1.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
303 1.00 0.00 1.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
304 1.00 0.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
305 1.00 0.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
306 1.00 0.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
307 1.00 0.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
308 1.00 0.00 0.00 0.00 1.00 1.00 1.00 0.00 0.40 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
309 1.00 0.00 0.00 0.00 1.00 1.00 1.00 0.00 0.00 0.40 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
310 1.00 0.00 0.00 0.00 1.00 1.00 1.00 0.00 0.00 0.00 0.40 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
311 1.00 0.00 0.00 0.00 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.40 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
312 1.00 0.00 0.00 0.00 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
313 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
314 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
315 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
316 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
317 1.00 0.00 0.50 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
318 1.00 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
319 1.00 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
320 1.00 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
321 1.00 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
322 1.00 0.00 0.00 0.00 0.50 0.50 0.50 0.00 1.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
323 1.00 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 1.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
324 1.00 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 1.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
325 1.00 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 1.00 0.00

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11		
		Vars/ON/K0A 3H0		

```
0.00  0.00  0.00  0.00  0.00    0  0.00
    326  1.00 0.00 0.00  0.00  0.50  0.50  0.50  0.00  0.00   0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00    0  0.00
    327  1.00 1.00 0.50  0.00  0.00  0.00  0.00  0.00  0.00   0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  1.00    0  0.00
    328  1.00 1.00 0.50  0.00  0.00  0.00  0.00  0.00  0.00   0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00 -1.00    0  0.00

*(46)AUXILIARY LOADS:
*                        No._Add   Add_Load
* No.   Id   Name          Combs   Id    Coef
   2     1   'E1UNB_SL_L'   2      1    1.00
                                    2    0.50
         2   'E1UNB_SL_R'   2      1    0.50
                                    2    1.00


*(47)ADDITIONAL LOADS:
*     Add   Loc  Basic        Load       Fx        Fy      Mom        Dx        Dy  ..
Conc
*No.   Id   Id   Load         Type       W1        W2       Co       Dl1       Dl2  ..
Dist
   2    1    2  'U_SNOW    '  'D '   -0.490    -0.490    0.083    0.0000   20.0693
        2    2  'U_SNOW    '  'D '   -0.490    -0.490    0.083   20.0693   40.1386

*(48)GIRT LAPS:
*      Data  ------Set_1-------  ------Set_2-------  ------Set_3-------
* Opt  Sets  Left    Right Quan  Left    Right Quan  Left    Right Quan
  '-'   0

*(49)GIRT STRAPS:
*     Data  ---Set_1---  ---Set_2---  ---Set_3---  ---Set_4---
*Opt  Sets  Strap  Quan  Strap  Quan  Strap  Quan  Strap  Quan
 '-'   0

*(50)PANEL SCREWS:
* No.                                    Washer
*Zone Zone   Part          Dia    Limit     Dia  -------Spacing------
   3 'INT ' 'SSS125  '   0.250    1.000   0.500  12.000  6.000  0.000
     'EDGE' 'SSS125  '   0.250    1.000   0.500  12.000  6.000  0.000
     'BASE' 'SSS125  '   0.250    1.000   0.500  12.000  6.000  0.000

*(51)BEAMS:
*     Bay
*No.   Id Use    Height   Offset  Locate1  Locate2
  0

*(52)STEP LOAD COEFFICIENTS:
*     Basic    Location   No.  ----Step_1---   ----Step_2---   ----Step_3---
*No.  Load      Use  Id  Step  Locate   Coef   Locate   Coef   Locate   Coef
  0

*(53)ADDITIONAL COLUMNS:
*No.  Id   Locate  Type  Rot  Opt  Part          Elev
```

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11		
		Vars/ON/K0A 3H0		

```
  0

*(54)RIGID FRAME COORDINATES:
*Frame Frame                              Flange
*  Id   Type  No.  X_Coord    Y_Coord   Width
    0   '--'   0

*(55)DESIGN CODE OPTIONS:
*No.   Event                         Condition
  0

*(56)DESIGN PLATES:
*     ----Plate---   --Plate_Size-   Bolt   Bolt  ----Top---  --Bottom--   Plate  Bolt
*No.  Type      Id   Width   Thick    Dia   Gage  Row  Space  Row  Space  Offset  Edge
  0

*(57)GIRT LAYOUT:
*      Bay                                      -----Extend----   Frame_Opt  -Frame_Id-
*  No.  Id   Locate  Type  Rot Opt  Part         Left   Right  Left Right  Left Right
    0

*(58)COLUMN FLANGE BRACE:
*      Col
*No.   Id   Girt   Side  Opt
  0

*AUXILIARY LOAD DESCRIPTIONS:
* Aux
*  Id  Description
*   1  Unbalanced snow load left
*   2  Unbalanced snow load right
*
*ADDITIONAL LOAD DESCRIPTIONS:
* Add
*  Id  Description
*   1  Unbalanced snow load surface 2
*   2  Unbalanced snow load surface 2
*
* Code files used:
*   ON_ONBC.19LN
*   EW_NBC.15LN Version 4.0

================================================================================
 011467_RF           Wall 1 - Design Code                      3/26/24  3:26pm
================================================================================

 STRUCTURAL CODE:
 ----------------
   Design Basis      :  LS - Limit States
   Hot  Rolled Steel :  CSA14
   Cold Formed Steel :  NACN12

 BUILDING CODE:
 --------------
```

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Wind Code : ONBC 19 (NBC 15)
Seismic Zone : D

MODULUS OF ELASTICITY:

Hot Rolled Steel : 29007 (ksi)
Cold Formed Steel : 29500 (ksi)

011467_RF Wall 1 - Column & Rafter Design 3/26/24 3:26pm

MEMBER LAYOUT:

Id	Locate (ft)	Part	Web(in) Depth	Web(in) Thick	Flange(in) Width	Flange(in) Thick	Length (ft)	Weight (lb)	Max_Load Id	Max_Load UC	Max_Load Report
Col1	0.7	W8X18	7.48	0.230	5.25	0.330	15.6	279.9	104	0.06	Mom+Axl
Col2	13.3	W8X18	7.48	0.230	5.25	0.330	16.6	298.9	97	0.15	Mom+Axl
Col3	26.7	W8X18	7.48	0.230	5.25	0.330	17.7	318.9	104	0.15	Mom+Axl
Col4	39.3	W8X18	7.48	0.230	5.25	0.330	18.8	337.9	100	0.08	Mom+Axl
Raf1	Surf 2	W8X18	7.48	0.230	5.25	0.330	29.8	536.9	30	0.20	Mom+Axl
Raf2	Surf 2	W8X18	7.48	0.230	5.25	0.330	10.3	185.6	145	0.15	Mom+Axl
								1958.1			

DESIGN ACTIONS/RESISTANCE:

Id	Load Id	Axial(k) Calc	Axial(k) Limit	Shear(k) Calc	Shear(k) Limit	Moment(f-k) Calc	Moment(f-k) Limit
Col1	1	2.65	152.97	0.00	56.18	0.00	63.73
Col1	2	0.95	152.97	0.00	56.18	0.00	63.73
Col1	3	3.62	152.97	0.00	56.18	0.00	63.73
Col1	4	2.20	152.97	0.28	56.18	-1.08	69.02
Col1	5	2.20	152.97	-0.20	56.18	0.76	69.02
Col1	6	2.33	152.97	0.28	56.18	-1.08	69.02
Col1	7	2.33	152.97	-0.20	56.18	0.76	69.02
Col1	8	2.50	152.97	0.28	56.18	-1.08	69.02
Col1	9	2.50	152.97	-0.20	56.18	0.76	69.02
Col1	10	2.63	152.97	0.28	56.18	-1.08	69.02
Col1	11	2.63	152.97	-0.20	56.18	0.76	69.02
Col1	12	2.15	152.97	0.28	56.18	-1.08	69.02
Col1	13	2.15	152.97	0.28	56.18	-1.08	69.02
Col1	14	2.15	152.97	-0.20	56.18	0.76	69.02
Col1	15	2.15	152.97	-0.20	56.18	0.76	69.02
Col1	16	2.26	152.97	0.00	56.18	0.00	63.73
Col1	17	3.23	152.97	0.00	56.18	0.00	63.73
Col1	18	1.81	152.97	0.28	56.18	-1.08	69.02
Col1	19	1.81	152.97	-0.20	56.18	0.76	69.02
Col1	20	1.94	152.97	0.28	56.18	-1.08	69.02
Col1	21	1.94	152.97	-0.20	56.18	0.76	69.02

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col1	22	2.11	152.97	0.28	56.18	-1.08	69.02
Col1	23	2.11	152.97	-0.20	56.18	0.76	69.02
Col1	24	2.24	152.97	0.28	56.18	-1.08	69.02
Col1	25	2.24	152.97	-0.20	56.18	0.76	69.02
Col1	26	1.76	152.97	0.28	56.18	-1.08	69.02
Col1	27	1.76	152.97	0.28	56.18	-1.08	69.02
Col1	28	1.76	152.97	-0.20	56.18	0.76	69.02
Col1	29	1.76	152.97	-0.20	56.18	0.76	69.02
Col1	30	5.00	152.97	0.00	56.18	0.00	63.73
Col1	31	4.55	152.97	0.28	56.18	-1.08	69.02
Col1	32	4.55	152.97	-0.20	56.18	0.76	69.02
Col1	33	4.69	152.97	0.28	56.18	-1.08	69.02
Col1	34	4.69	152.97	-0.20	56.18	0.76	69.02
Col1	35	4.85	152.97	0.28	56.18	-1.08	69.02
Col1	36	4.85	152.97	-0.20	56.18	0.76	69.02
Col1	37	4.99	152.97	0.28	56.18	-1.08	69.02
Col1	38	4.99	152.97	-0.20	56.18	0.76	69.02
Col1	39	4.51	152.97	0.28	56.18	-1.08	69.02
Col1	40	4.51	152.97	0.28	56.18	-1.08	69.02
Col1	41	4.51	152.97	-0.20	56.18	0.76	69.02
Col1	42	4.51	152.97	-0.20	56.18	0.76	69.02
Col1	43	4.61	152.97	0.00	56.18	0.00	63.73
Col1	44	4.16	152.97	0.28	56.18	-1.08	69.02
Col1	45	4.16	152.97	-0.20	56.18	0.76	69.02
Col1	46	4.30	152.97	0.28	56.18	-1.08	69.02
Col1	47	4.30	152.97	-0.20	56.18	0.76	69.02
Col1	48	4.46	152.97	0.28	56.18	-1.08	69.02
Col1	49	4.46	152.97	-0.20	56.18	0.76	69.02
Col1	50	4.60	152.97	0.28	56.18	-1.08	69.02
Col1	51	4.60	152.97	-0.20	56.18	0.76	69.02
Col1	52	4.12	152.97	0.28	56.18	-1.08	69.02
Col1	53	4.12	152.97	0.28	56.18	-1.08	69.02
Col1	54	4.12	152.97	-0.20	56.18	0.76	69.02
Col1	55	4.12	152.97	-0.20	56.18	0.76	69.02
Col1	56	-1.08	260.28	-0.69	56.18	2.67	69.02
Col1	57	-0.61	260.28	-0.69	56.18	2.67	69.02
Col1	58	-1.08	260.28	0.97	56.18	-3.78	69.02
Col1	59	-0.61	260.28	0.97	56.18	-3.78	69.02
Col1	60	0.85	152.97	-0.69	56.18	2.67	69.02
Col1	61	0.85	152.97	0.97	56.18	-3.78	69.02
Col1	62	-1.24	260.28	0.97	56.18	-3.78	69.02
Col1	63	-1.24	260.28	0.97	56.18	-3.78	69.02
Col1	64	-1.24	260.28	-0.69	56.18	2.67	69.02
Col1	65	-1.24	260.28	-0.69	56.18	2.67	69.02
Col1	66	0.32	152.97	0.97	56.18	-3.78	69.02
Col1	67	0.79	152.97	-0.69	56.18	2.67	69.02
Col1	68	0.32	152.97	-0.69	56.18	2.67	69.02
Col1	69	0.79	152.97	0.97	56.18	-3.78	69.02
Col1	70	-0.48	260.28	-0.69	56.18	2.67	69.02
Col1	71	0.34	152.97	-0.69	56.18	2.67	69.02
Col1	72	-0.48	260.28	0.97	56.18	-3.78	69.02
Col1	73	0.34	152.97	0.97	56.18	-3.78	69.02
Col1	74	1.45	152.97	-0.69	56.18	2.67	69.02
Col1	75	1.45	152.97	0.97	56.18	-3.78	69.02

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col1	76	-0.64	260.28	0.97	56.18	-3.78	69.02
Col1	77	-0.64	260.28	0.97	56.18	-3.78	69.02
Col1	78	-0.64	260.28	-0.69	56.18	2.67	69.02
Col1	79	-0.64	260.28	-0.69	56.18	2.67	69.02
Col1	80	0.92	152.97	0.97	56.18	-3.78	69.02
Col1	81	1.39	152.97	-0.69	56.18	2.67	69.02
Col1	82	0.92	152.97	-0.69	56.18	2.67	69.02
Col1	83	1.39	152.97	0.97	56.18	-3.78	69.02
Col1	84	0.66	152.97	-0.69	56.18	2.67	69.02
Col1	85	1.13	152.97	-0.69	56.18	2.67	69.02
Col1	86	0.66	152.97	0.97	56.18	-3.78	69.02
Col1	87	1.13	152.97	0.97	56.18	-3.78	69.02
Col1	88	2.23	152.97	-0.69	56.18	2.67	69.02
Col1	89	2.23	152.97	0.97	56.18	-3.78	69.02
Col1	90	0.50	152.97	0.97	56.18	-3.78	69.02
Col1	91	0.50	152.97	0.97	56.18	-3.78	69.02
Col1	92	0.50	152.97	-0.69	56.18	2.67	69.02
Col1	93	0.50	152.97	-0.69	56.18	2.67	69.02
Col1	94	1.71	152.97	0.97	56.18	-3.78	69.02
Col1	95	2.18	152.97	-0.69	56.18	2.67	69.02
Col1	96	1.71	152.97	-0.69	56.18	2.67	69.02
Col1	97	2.18	152.97	0.97	56.18	-3.78	69.02
Col1	98	-1.37	260.28	-0.69	56.18	2.67	69.02
Col1	99	-0.90	260.28	-0.69	56.18	2.67	69.02
Col1	100	-1.37	260.28	0.97	56.18	-3.78	69.02
Col1	101	-0.90	260.28	0.97	56.18	-3.78	69.02
Col1	102	0.46	152.97	-0.69	56.18	2.67	69.02
Col1	103	0.46	152.97	0.97	56.18	-3.78	69.02
Col1	104	-1.53	260.28	0.97	56.18	-3.78	69.02
Col1	105	-1.53	260.28	0.97	56.18	-3.78	69.02
Col1	106	-1.53	260.28	-0.69	56.18	2.67	69.02
Col1	107	-1.53	260.28	-0.69	56.18	2.67	69.02
Col1	108	-0.32	260.28	0.97	56.18	-3.78	69.02
Col1	109	0.40	152.97	-0.69	56.18	2.67	69.02
Col1	110	-0.32	260.28	-0.69	56.18	2.67	69.02
Col1	111	0.40	152.97	0.97	56.18	-3.78	69.02
Col1	112	-0.77	260.28	-0.69	56.18	2.67	69.02
Col1	113	-0.30	260.28	-0.69	56.18	2.67	69.02
Col1	114	-0.77	260.28	0.97	56.18	-3.78	69.02
Col1	115	-0.30	260.28	0.97	56.18	-3.78	69.02
Col1	116	1.06	152.97	-0.69	56.18	2.67	69.02
Col1	117	1.06	152.97	0.97	56.18	-3.78	69.02
Col1	118	-0.93	260.28	0.97	56.18	-3.78	69.02
Col1	119	-0.93	260.28	0.97	56.18	-3.78	69.02
Col1	120	-0.93	260.28	-0.69	56.18	2.67	69.02
Col1	121	-0.93	260.28	-0.69	56.18	2.67	69.02
Col1	122	0.53	152.97	0.97	56.18	-3.78	69.02
Col1	123	1.00	152.97	-0.69	56.18	2.67	69.02
Col1	124	0.53	152.97	-0.69	56.18	2.67	69.02
Col1	125	1.00	152.97	0.97	56.18	-3.78	69.02
Col1	126	0.26	152.97	-0.69	56.18	2.67	69.02
Col1	127	0.74	152.97	-0.69	56.18	2.67	69.02
Col1	128	0.26	152.97	0.97	56.18	-3.78	69.02
Col1	129	0.74	152.97	0.97	56.18	-3.78	69.02

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col1	130	1.84	152.97	-0.69	56.18	2.67	69.02
Col1	131	1.84	152.97	0.97	56.18	-3.78	69.02
Col1	132	0.10	152.97	0.97	56.18	-3.78	69.02
Col1	133	0.10	152.97	0.97	56.18	-3.78	69.02
Col1	134	0.10	152.97	-0.69	56.18	2.67	69.02
Col1	135	0.10	152.97	-0.69	56.18	2.67	69.02
Col1	136	1.32	152.97	0.97	56.18	-3.78	69.02
Col1	137	1.79	152.97	-0.69	56.18	2.67	69.02
Col1	138	1.32	152.97	-0.69	56.18	2.67	69.02
Col1	139	1.79	152.97	0.97	56.18	-3.78	69.02
Col1	140	0.70	152.97	0.00	56.18	0.00	63.73
Col1	141	0.66	152.97	0.00	56.18	0.00	63.73
Col1	142	1.39	152.97	0.00	56.18	0.00	63.73
Col1	143	1.35	152.97	0.00	56.18	0.00	63.73
Col1	144	5.03	152.97	0.00	56.18	0.00	63.73
Col1	145	2.90	152.97	0.00	56.18	0.00	63.73
Col1	146	2.23	152.97	0.00	56.18	0.00	63.73
Col1	147	2.20	152.97	0.00	56.18	0.00	63.73
Col1	148	2.33	152.97	0.00	56.18	0.00	63.73
Col1	149	2.50	152.97	0.00	56.18	0.00	63.73
Col1	150	2.63	152.97	0.00	56.18	0.00	63.73
Col1	151	2.15	152.97	0.00	56.18	0.00	63.73
Col1	152	2.15	152.97	0.00	56.18	0.00	63.73
Col1	153	1.84	152.97	0.00	56.18	0.00	63.73
Col1	154	1.81	152.97	0.00	56.18	0.00	63.73
Col1	155	1.94	152.97	0.00	56.18	0.00	63.73
Col1	156	2.11	152.97	0.00	56.18	0.00	63.73
Col1	157	2.24	152.97	0.00	56.18	0.00	63.73
Col1	158	1.76	152.97	0.00	56.18	0.00	63.73
Col1	159	1.76	152.97	0.00	56.18	0.00	63.73
Col1	160	4.55	152.97	0.00	56.18	0.00	63.73
Col1	161	4.69	152.97	0.00	56.18	0.00	63.73
Col1	162	4.85	152.97	0.00	56.18	0.00	63.73
Col1	163	4.99	152.97	0.00	56.18	0.00	63.73
Col1	164	4.51	152.97	0.00	56.18	0.00	63.73
Col1	165	4.51	152.97	0.00	56.18	0.00	63.73
Col1	166	4.16	152.97	0.00	56.18	0.00	63.73
Col1	167	4.30	152.97	0.00	56.18	0.00	63.73
Col1	168	4.46	152.97	0.00	56.18	0.00	63.73
Col1	169	4.60	152.97	0.00	56.18	0.00	63.73
Col1	170	4.12	152.97	0.00	56.18	0.00	63.73
Col1	171	4.12	152.97	0.00	56.18	0.00	63.73
Col1	172	-1.08	260.28	0.00	56.18	0.00	63.73
Col1	173	-0.61	260.28	0.00	56.18	0.00	63.73
Col1	174	0.32	152.97	0.00	56.18	0.00	63.73
Col1	175	0.79	152.97	0.00	56.18	0.00	63.73
Col1	176	-1.24	260.28	0.00	56.18	0.00	63.73
Col1	177	-1.24	260.28	0.00	56.18	0.00	63.73
Col1	178	-0.48	260.28	0.00	56.18	0.00	63.73
Col1	179	0.34	152.97	0.00	56.18	0.00	63.73
Col1	180	0.92	152.97	0.00	56.18	0.00	63.73
Col1	181	1.39	152.97	0.00	56.18	0.00	63.73
Col1	182	-0.64	260.28	0.00	56.18	0.00	63.73
Col1	183	-0.64	260.28	0.00	56.18	0.00	63.73

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col1	184	0.66	152.97	0.00	56.18	0.00	63.73
Col1	185	1.13	152.97	0.00	56.18	0.00	63.73
Col1	186	1.71	152.97	0.00	56.18	0.00	63.73
Col1	187	2.18	152.97	0.00	56.18	0.00	63.73
Col1	188	0.50	152.97	0.00	56.18	0.00	63.73
Col1	189	0.50	152.97	0.00	56.18	0.00	63.73
Col1	190	-1.37	260.28	0.00	56.18	0.00	63.73
Col1	191	-0.90	260.28	0.00	56.18	0.00	63.73
Col1	192	-0.32	260.28	0.00	56.18	0.00	63.73
Col1	193	0.40	152.97	0.00	56.18	0.00	63.73
Col1	194	-1.53	260.28	0.00	56.18	0.00	63.73
Col1	195	-1.53	260.28	0.00	56.18	0.00	63.73
Col1	196	-0.77	260.28	0.00	56.18	0.00	63.73
Col1	197	-0.30	260.28	0.00	56.18	0.00	63.73
Col1	198	0.53	152.97	0.00	56.18	0.00	63.73
Col1	199	1.00	152.97	0.00	56.18	0.00	63.73
Col1	200	-0.93	260.28	0.00	56.18	0.00	63.73
Col1	201	-0.93	260.28	0.00	56.18	0.00	63.73
Col1	202	0.26	152.97	0.00	56.18	0.00	63.73
Col1	203	0.74	152.97	0.00	56.18	0.00	63.73
Col1	204	1.32	152.97	0.00	56.18	0.00	63.73
Col1	205	1.79	152.97	0.00	56.18	0.00	63.73
Col1	206	0.10	152.97	0.00	56.18	0.00	63.73
Col1	207	0.10	152.97	0.00	56.18	0.00	63.73
Col1	208	1.30	152.97	0.00	56.18	0.00	63.73
Col1	209	1.26	152.97	0.00	56.18	0.00	63.73
Col2	1	6.23	152.97	0.00	56.18	0.00	63.73
Col2	2	1.84	152.97	0.00	56.18	0.00	63.73
Col2	3	8.71	152.97	0.00	56.18	0.00	63.73
Col2	4	5.05	152.97	0.55	56.18	-2.29	68.28
Col2	5	5.05	152.97	-0.38	56.18	1.60	68.28
Col2	6	6.52	152.97	0.55	56.18	-2.29	68.28
Col2	7	6.52	152.97	-0.38	56.18	1.60	68.28
Col2	8	5.73	152.97	0.55	56.18	-2.29	68.28
Col2	9	5.73	152.97	-0.38	56.18	1.60	68.28
Col2	10	7.09	152.97	0.55	56.18	-2.29	68.28
Col2	11	7.09	152.97	-0.38	56.18	1.60	68.28
Col2	12	5.33	152.97	0.55	56.18	-2.29	68.28
Col2	13	5.33	152.97	0.55	56.18	-2.29	68.28
Col2	14	5.33	152.97	-0.38	56.18	1.60	68.28
Col2	15	5.33	152.97	-0.38	56.18	1.60	68.28
Col2	16	5.38	152.97	0.00	56.18	0.00	63.73
Col2	17	7.85	152.97	0.00	56.18	0.00	63.73
Col2	18	4.20	152.97	0.55	56.18	-2.29	68.28
Col2	19	4.20	152.97	-0.38	56.18	1.60	68.28
Col2	20	5.67	152.97	0.55	56.18	-2.29	68.28
Col2	21	5.67	152.97	-0.38	56.18	1.60	68.28
Col2	22	4.88	152.97	0.55	56.18	-2.29	68.28
Col2	23	4.88	152.97	-0.38	56.18	1.60	68.28
Col2	24	6.24	152.97	0.55	56.18	-2.29	68.28
Col2	25	6.24	152.97	-0.38	56.18	1.60	68.28
Col2	26	4.47	152.97	0.55	56.18	-2.29	68.28
Col2	27	4.47	152.97	0.55	56.18	-2.29	68.28
Col2	28	4.47	152.97	-0.38	56.18	1.60	68.28

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col2	29	4.47	152.97	-0.38	56.18	1.60	68.28
Col2	30	12.24	152.97	0.00	56.18	0.00	63.73
Col2	31	11.06	152.97	0.55	56.18	-2.29	68.28
Col2	32	11.06	152.97	-0.38	56.18	1.60	68.28
Col2	33	12.52	152.97	0.55	56.18	-2.29	68.28
Col2	34	12.52	152.97	-0.38	56.18	1.60	68.28
Col2	35	11.74	152.97	0.55	56.18	-2.29	68.28
Col2	36	11.74	152.97	-0.38	56.18	1.60	68.28
Col2	37	13.09	152.97	0.55	56.18	-2.29	68.28
Col2	38	13.09	152.97	-0.38	56.18	1.60	68.28
Col2	39	11.33	152.97	0.55	56.18	-2.29	68.28
Col2	40	11.33	152.97	0.55	56.18	-2.29	68.28
Col2	41	11.33	152.97	-0.38	56.18	1.60	68.28
Col2	42	11.33	152.97	-0.38	56.18	1.60	68.28
Col2	43	11.38	152.97	0.00	56.18	0.00	63.73
Col2	44	10.20	152.97	0.55	56.18	-2.29	68.28
Col2	45	10.20	152.97	-0.38	56.18	1.60	68.28
Col2	46	11.67	152.97	0.55	56.18	-2.29	68.28
Col2	47	11.67	152.97	-0.38	56.18	1.60	68.28
Col2	48	10.88	152.97	0.55	56.18	-2.29	68.28
Col2	49	10.88	152.97	-0.38	56.18	1.60	68.28
Col2	50	12.24	152.97	0.55	56.18	-2.29	68.28
Col2	51	12.24	152.97	-0.38	56.18	1.60	68.28
Col2	52	10.47	152.97	0.55	56.18	-2.29	68.28
Col2	53	10.47	152.97	0.55	56.18	-2.29	68.28
Col2	54	10.47	152.97	-0.38	56.18	1.60	68.28
Col2	55	10.47	152.97	-0.38	56.18	1.60	68.28
Col2	56	-2.86	260.28	-1.34	56.18	5.58	68.28
Col2	57	2.66	152.97	-1.34	56.18	5.58	68.28
Col2	58	-2.86	260.28	1.93	56.18	-8.01	68.28
Col2	59	2.66	152.97	1.93	56.18	-8.01	68.28
Col2	60	1.65	152.97	-1.34	56.18	5.58	68.28
Col2	61	1.65	152.97	1.93	56.18	-8.01	68.28
Col2	62	-1.90	260.28	1.93	56.18	-8.01	68.28
Col2	63	-1.90	260.28	1.93	56.18	-8.01	68.28
Col2	64	-1.90	260.28	-1.34	56.18	5.58	68.28
Col2	65	-1.90	260.28	-1.34	56.18	5.58	68.28
Col2	66	-0.47	260.28	1.93	56.18	-8.01	68.28
Col2	67	4.65	152.97	-1.34	56.18	5.58	68.28
Col2	68	-0.47	260.28	-1.34	56.18	5.58	68.28
Col2	69	4.65	152.97	1.93	56.18	-8.01	68.28
Col2	70	-1.33	260.28	-1.34	56.18	5.58	68.28
Col2	71	4.18	152.97	-1.34	56.18	5.58	68.28
Col2	72	-1.33	260.28	1.93	56.18	-8.01	68.28
Col2	73	4.18	152.97	1.93	56.18	-8.01	68.28
Col2	74	3.18	152.97	-1.34	56.18	5.58	68.28
Col2	75	3.18	152.97	1.93	56.18	-8.01	68.28
Col2	76	-0.37	260.28	1.93	56.18	-8.01	68.28
Col2	77	-0.37	260.28	1.93	56.18	-8.01	68.28
Col2	78	-0.37	260.28	-1.34	56.18	5.58	68.28
Col2	79	-0.37	260.28	-1.34	56.18	5.58	68.28
Col2	80	1.43	152.97	1.93	56.18	-8.01	68.28
Col2	81	6.18	152.97	-1.34	56.18	5.58	68.28
Col2	82	1.43	152.97	-1.34	56.18	5.58	68.28

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col2	83	6.18	152.97	1.93	56.18	-8.01	68.28
Col2	84	1.05	152.97	-1.34	56.18	5.58	68.28
Col2	85	6.19	152.97	-1.34	56.18	5.58	68.28
Col2	86	1.05	152.97	1.93	56.18	-8.01	68.28
Col2	87	6.19	152.97	1.93	56.18	-8.01	68.28
Col2	88	5.18	152.97	-1.34	56.18	5.58	68.28
Col2	89	5.18	152.97	1.93	56.18	-8.01	68.28
Col2	90	2.01	152.97	1.93	56.18	-8.01	68.28
Col2	91	2.01	152.97	1.93	56.18	-8.01	68.28
Col2	92	2.01	152.97	-1.34	56.18	5.58	68.28
Col2	93	2.01	152.97	-1.34	56.18	5.58	68.28
Col2	94	3.43	152.97	1.93	56.18	-8.01	68.28
Col2	95	8.18	152.97	-1.34	56.18	5.58	68.28
Col2	96	3.43	152.97	-1.34	56.18	5.58	68.28
Col2	97	8.18	152.97	1.93	56.18	-8.01	68.28
Col2	98	-3.61	260.28	-1.34	56.18	5.58	68.28
Col2	99	1.80	152.97	-1.34	56.18	5.58	68.28
Col2	100	-3.61	260.28	1.93	56.18	-8.01	68.28
Col2	101	1.80	152.97	1.93	56.18	-8.01	68.28
Col2	102	0.79	152.97	-1.34	56.18	5.58	68.28
Col2	103	0.79	152.97	1.93	56.18	-8.01	68.28
Col2	104	-2.65	260.28	1.93	56.18	-8.01	68.28
Col2	105	-2.65	260.28	1.93	56.18	-8.01	68.28
Col2	106	-2.65	260.28	-1.34	56.18	5.58	68.28
Col2	107	-2.65	260.28	-1.34	56.18	5.58	68.28
Col2	108	-1.23	260.28	1.93	56.18	-8.01	68.28
Col2	109	3.79	152.97	-1.34	56.18	5.58	68.28
Col2	110	-1.23	260.28	-1.34	56.18	5.58	68.28
Col2	111	3.79	152.97	1.93	56.18	-8.01	68.28
Col2	112	-2.08	260.28	-1.34	56.18	5.58	68.28
Col2	113	3.33	152.97	-1.34	56.18	5.58	68.28
Col2	114	-2.08	260.28	1.93	56.18	-8.01	68.28
Col2	115	3.33	152.97	1.93	56.18	-8.01	68.28
Col2	116	2.32	152.97	-1.34	56.18	5.58	68.28
Col2	117	2.32	152.97	1.93	56.18	-8.01	68.28
Col2	118	-1.12	260.28	1.93	56.18	-8.01	68.28
Col2	119	-1.12	260.28	1.93	56.18	-8.01	68.28
Col2	120	-1.12	260.28	-1.34	56.18	5.58	68.28
Col2	121	-1.12	260.28	-1.34	56.18	5.58	68.28
Col2	122	0.57	152.97	1.93	56.18	-8.01	68.28
Col2	123	5.32	152.97	-1.34	56.18	5.58	68.28
Col2	124	0.57	152.97	-1.34	56.18	5.58	68.28
Col2	125	5.32	152.97	1.93	56.18	-8.01	68.28
Col2	126	0.19	152.97	-1.34	56.18	5.58	68.28
Col2	127	5.33	152.97	-1.34	56.18	5.58	68.28
Col2	128	0.19	152.97	1.93	56.18	-8.01	68.28
Col2	129	5.33	152.97	1.93	56.18	-8.01	68.28
Col2	130	4.32	152.97	-1.34	56.18	5.58	68.28
Col2	131	4.32	152.97	1.93	56.18	-8.01	68.28
Col2	132	1.15	152.97	1.93	56.18	-8.01	68.28
Col2	133	1.15	152.97	1.93	56.18	-8.01	68.28
Col2	134	1.15	152.97	-1.34	56.18	5.58	68.28
Col2	135	1.15	152.97	-1.34	56.18	5.58	68.28
Col2	136	2.57	152.97	1.93	56.18	-8.01	68.28

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col2	137	7.32	152.97	-1.34	56.18	5.58	68.28
Col2	138	2.57	152.97	-1.34	56.18	5.58	68.28
Col2	139	7.32	152.97	1.93	56.18	-8.01	68.28
Col2	140	1.36	152.97	0.00	56.18	0.00	63.73
Col2	141	3.45	152.97	0.00	56.18	0.00	63.73
Col2	142	3.13	152.97	0.00	56.18	0.00	63.73
Col2	143	5.21	152.97	0.00	56.18	0.00	63.73
Col2	144	12.03	152.97	0.00	56.18	0.00	63.73
Col2	145	7.16	152.97	0.00	56.18	0.00	63.73
Col2	146	5.18	152.97	0.00	56.18	0.00	63.73
Col2	147	5.05	152.97	0.00	56.18	0.00	63.73
Col2	148	6.52	152.97	0.00	56.18	0.00	63.73
Col2	149	5.73	152.97	0.00	56.18	0.00	63.73
Col2	150	7.09	152.97	0.00	56.18	0.00	63.73
Col2	151	5.33	152.97	0.00	56.18	0.00	63.73
Col2	152	5.33	152.97	0.00	56.18	0.00	63.73
Col2	153	4.32	152.97	0.00	56.18	0.00	63.73
Col2	154	4.20	152.97	0.00	56.18	0.00	63.73
Col2	155	5.67	152.97	0.00	56.18	0.00	63.73
Col2	156	4.88	152.97	0.00	56.18	0.00	63.73
Col2	157	6.24	152.97	0.00	56.18	0.00	63.73
Col2	158	4.47	152.97	0.00	56.18	0.00	63.73
Col2	159	4.47	152.97	0.00	56.18	0.00	63.73
Col2	160	11.06	152.97	0.00	56.18	0.00	63.73
Col2	161	12.52	152.97	0.00	56.18	0.00	63.73
Col2	162	11.74	152.97	0.00	56.18	0.00	63.73
Col2	163	13.09	152.97	0.00	56.18	0.00	63.73
Col2	164	11.33	152.97	0.00	56.18	0.00	63.73
Col2	165	11.33	152.97	0.00	56.18	0.00	63.73
Col2	166	10.20	152.97	0.00	56.18	0.00	63.73
Col2	167	11.67	152.97	0.00	56.18	0.00	63.73
Col2	168	10.88	152.97	0.00	56.18	0.00	63.73
Col2	169	12.24	152.97	0.00	56.18	0.00	63.73
Col2	170	10.47	152.97	0.00	56.18	0.00	63.73
Col2	171	10.47	152.97	0.00	56.18	0.00	63.73
Col2	172	-2.86	260.28	0.00	56.18	0.00	63.73
Col2	173	2.66	152.97	0.00	56.18	0.00	63.73
Col2	174	-0.47	260.28	0.00	56.18	0.00	63.73
Col2	175	4.65	152.97	0.00	56.18	0.00	63.73
Col2	176	-1.90	260.28	0.00	56.18	0.00	63.73
Col2	177	-1.90	260.28	0.00	56.18	0.00	63.73
Col2	178	-1.33	260.28	0.00	56.18	0.00	63.73
Col2	179	4.18	152.97	0.00	56.18	0.00	63.73
Col2	180	1.43	152.97	0.00	56.18	0.00	63.73
Col2	181	6.18	152.97	0.00	56.18	0.00	63.73
Col2	182	-0.37	260.28	0.00	56.18	0.00	63.73
Col2	183	-0.37	260.28	0.00	56.18	0.00	63.73
Col2	184	1.05	152.97	0.00	56.18	0.00	63.73
Col2	185	6.19	152.97	0.00	56.18	0.00	63.73
Col2	186	3.43	152.97	0.00	56.18	0.00	63.73
Col2	187	8.18	152.97	0.00	56.18	0.00	63.73
Col2	188	2.01	152.97	0.00	56.18	0.00	63.73
Col2	189	2.01	152.97	0.00	56.18	0.00	63.73
Col2	190	-3.61	260.28	0.00	56.18	0.00	63.73

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col2	191	1.80	152.97	0.00	56.18	0.00	63.73
Col2	192	-1.23	260.28	0.00	56.18	0.00	63.73
Col2	193	3.79	152.97	0.00	56.18	0.00	63.73
Col2	194	-2.65	260.28	0.00	56.18	0.00	63.73
Col2	195	-2.65	260.28	0.00	56.18	0.00	63.73
Col2	196	-2.08	260.28	0.00	56.18	0.00	63.73
Col2	197	3.33	152.97	0.00	56.18	0.00	63.73
Col2	198	0.57	152.97	0.00	56.18	0.00	63.73
Col2	199	5.32	152.97	0.00	56.18	0.00	63.73
Col2	200	-1.12	260.28	0.00	56.18	0.00	63.73
Col2	201	-1.12	260.28	0.00	56.18	0.00	63.73
Col2	202	0.19	152.97	0.00	56.18	0.00	63.73
Col2	203	5.33	152.97	0.00	56.18	0.00	63.73
Col2	204	2.57	152.97	0.00	56.18	0.00	63.73
Col2	205	7.32	152.97	0.00	56.18	0.00	63.73
Col2	206	1.15	152.97	0.00	56.18	0.00	63.73
Col2	207	1.15	152.97	0.00	56.18	0.00	63.73
Col2	208	2.89	152.97	0.00	56.18	0.00	63.73
Col2	209	4.97	152.97	0.00	56.18	0.00	63.73
Col3	1	6.25	152.97	0.00	56.18	0.00	63.73
Col3	2	1.87	152.97	0.00	56.18	0.00	63.73
Col3	3	8.72	152.97	0.00	56.18	0.00	63.73
Col3	4	5.47	152.97	0.59	56.18	-2.61	67.89
Col3	5	5.47	152.97	-0.41	56.18	1.82	67.89
Col3	6	5.53	152.97	0.59	56.18	-2.61	67.89
Col3	7	5.53	152.97	-0.41	56.18	1.82	67.89
Col3	8	6.25	152.97	0.59	56.18	-2.61	67.89
Col3	9	6.25	152.97	-0.41	56.18	1.82	67.89
Col3	10	6.21	152.97	0.59	56.18	-2.61	67.89
Col3	11	6.21	152.97	-0.41	56.18	1.82	67.89
Col3	12	5.07	152.97	0.59	56.18	-2.61	67.89
Col3	13	5.07	152.97	0.59	56.18	-2.61	67.89
Col3	14	5.07	152.97	-0.41	56.18	1.82	67.89
Col3	15	5.07	152.97	-0.41	56.18	1.82	67.89
Col3	16	5.39	152.97	0.00	56.18	0.00	63.73
Col3	17	7.86	152.97	0.00	56.18	0.00	63.73
Col3	18	4.61	152.97	0.59	56.18	-2.61	67.89
Col3	19	4.61	152.97	-0.41	56.18	1.82	67.89
Col3	20	4.66	152.97	0.59	56.18	-2.61	67.89
Col3	21	4.66	152.97	-0.41	56.18	1.82	67.89
Col3	22	5.39	152.97	0.59	56.18	-2.61	67.89
Col3	23	5.39	152.97	-0.41	56.18	1.82	67.89
Col3	24	5.34	152.97	0.59	56.18	-2.61	67.89
Col3	25	5.34	152.97	-0.41	56.18	1.82	67.89
Col3	26	4.21	152.97	0.59	56.18	-2.61	67.89
Col3	27	4.21	152.97	0.59	56.18	-2.61	67.89
Col3	28	4.21	152.97	-0.41	56.18	1.82	67.89
Col3	29	4.21	152.97	-0.41	56.18	1.82	67.89
Col3	30	12.25	152.97	0.00	56.18	0.00	63.73
Col3	31	11.47	152.97	0.59	56.18	-2.61	67.89
Col3	32	11.47	152.97	-0.41	56.18	1.82	67.89
Col3	33	11.52	152.97	0.59	56.18	-2.61	67.89
Col3	34	11.52	152.97	-0.41	56.18	1.82	67.89
Col3	35	12.25	152.97	0.59	56.18	-2.61	67.89

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col3	36	12.25	152.97	-0.41	56.18	1.82	67.89
Col3	37	12.20	152.97	0.59	56.18	-2.61	67.89
Col3	38	12.20	152.97	-0.41	56.18	1.82	67.89
Col3	39	11.07	152.97	0.59	56.18	-2.61	67.89
Col3	40	11.07	152.97	0.59	56.18	-2.61	67.89
Col3	41	11.07	152.97	-0.41	56.18	1.82	67.89
Col3	42	11.07	152.97	-0.41	56.18	1.82	67.89
Col3	43	11.39	152.97	0.00	56.18	0.00	63.73
Col3	44	10.61	152.97	0.59	56.18	-2.61	67.89
Col3	45	10.61	152.97	-0.41	56.18	1.82	67.89
Col3	46	10.66	152.97	0.59	56.18	-2.61	67.89
Col3	47	10.66	152.97	-0.41	56.18	1.82	67.89
Col3	48	11.39	152.97	0.59	56.18	-2.61	67.89
Col3	49	11.39	152.97	-0.41	56.18	1.82	67.89
Col3	50	11.34	152.97	0.59	56.18	-2.61	67.89
Col3	51	11.34	152.97	-0.41	56.18	1.82	67.89
Col3	52	10.21	152.97	0.59	56.18	-2.61	67.89
Col3	53	10.21	152.97	0.59	56.18	-2.61	67.89
Col3	54	10.21	152.97	-0.41	56.18	1.82	67.89
Col3	55	10.21	152.97	-0.41	56.18	1.82	67.89
Col3	56	-1.45	260.28	-1.43	56.18	6.36	67.89
Col3	57	-1.27	260.28	-1.43	56.18	6.36	67.89
Col3	58	-1.45	260.28	2.06	56.18	-9.12	67.89
Col3	59	-1.27	260.28	2.06	56.18	-9.12	67.89
Col3	60	1.67	152.97	-1.43	56.18	6.36	67.89
Col3	61	1.67	152.97	2.06	56.18	-9.12	67.89
Col3	62	-2.85	260.28	2.06	56.18	-9.12	67.89
Col3	63	-2.85	260.28	2.06	56.18	-9.12	67.89
Col3	64	-2.85	260.28	-1.43	56.18	6.36	67.89
Col3	65	-2.85	260.28	-1.43	56.18	6.36	67.89
Col3	66	1.67	152.97	2.06	56.18	-9.12	67.89
Col3	67	1.51	152.97	-1.43	56.18	6.36	67.89
Col3	68	1.67	152.97	-1.43	56.18	6.36	67.89
Col3	69	1.51	152.97	2.06	56.18	-9.12	67.89
Col3	70	0.48	152.97	-1.43	56.18	6.36	67.89
Col3	71	0.66	152.97	-1.43	56.18	6.36	67.89
Col3	72	0.48	152.97	2.06	56.18	-9.12	67.89
Col3	73	0.66	152.97	2.06	56.18	-9.12	67.89
Col3	74	3.20	152.97	-1.43	56.18	6.36	67.89
Col3	75	3.20	152.97	2.06	56.18	-9.12	67.89
Col3	76	-1.33	260.28	2.06	56.18	-9.12	67.89
Col3	77	-1.33	260.28	2.06	56.18	-9.12	67.89
Col3	78	-1.33	260.28	-1.43	56.18	6.36	67.89
Col3	79	-1.33	260.28	-1.43	56.18	6.36	67.89
Col3	80	3.20	152.97	2.06	56.18	-9.12	67.89
Col3	81	3.04	152.97	-1.43	56.18	6.36	67.89
Col3	82	3.20	152.97	-1.43	56.18	6.36	67.89
Col3	83	3.04	152.97	2.06	56.18	-9.12	67.89
Col3	84	2.48	152.97	-1.43	56.18	6.36	67.89
Col3	85	2.66	152.97	-1.43	56.18	6.36	67.89
Col3	86	2.48	152.97	2.06	56.18	-9.12	67.89
Col3	87	2.66	152.97	2.06	56.18	-9.12	67.89
Col3	88	5.20	152.97	-1.43	56.18	6.36	67.89
Col3	89	5.20	152.97	2.06	56.18	-9.12	67.89

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col3	90	1.07	152.97	2.06	56.18	-9.12	67.89
Col3	91	1.07	152.97	2.06	56.18	-9.12	67.89
Col3	92	1.07	152.97	-1.43	56.18	6.36	67.89
Col3	93	1.07	152.97	-1.43	56.18	6.36	67.89
Col3	94	5.20	152.97	2.06	56.18	-9.12	67.89
Col3	95	5.04	152.97	-1.43	56.18	6.36	67.89
Col3	96	5.20	152.97	-1.43	56.18	6.36	67.89
Col3	97	5.04	152.97	2.06	56.18	-9.12	67.89
Col3	98	-2.20	260.28	-1.43	56.18	6.36	67.89
Col3	99	-2.02	260.28	-1.43	56.18	6.36	67.89
Col3	100	-2.20	260.28	2.06	56.18	-9.12	67.89
Col3	101	-2.02	260.28	2.06	56.18	-9.12	67.89
Col3	102	0.81	152.97	-1.43	56.18	6.36	67.89
Col3	103	0.81	152.97	2.06	56.18	-9.12	67.89
Col3	104	-3.60	260.28	2.06	56.18	-9.12	67.89
Col3	105	-3.60	260.28	2.06	56.18	-9.12	67.89
Col3	106	-3.60	260.28	-1.43	56.18	6.36	67.89
Col3	107	-3.60	260.28	-1.43	56.18	6.36	67.89
Col3	108	0.81	152.97	2.06	56.18	-9.12	67.89
Col3	109	0.65	152.97	-1.43	56.18	6.36	67.89
Col3	110	0.81	152.97	-1.43	56.18	6.36	67.89
Col3	111	0.65	152.97	2.06	56.18	-9.12	67.89
Col3	112	-0.67	260.28	-1.43	56.18	6.36	67.89
Col3	113	-0.49	260.28	-1.43	56.18	6.36	67.89
Col3	114	-0.67	260.28	2.06	56.18	-9.12	67.89
Col3	115	-0.49	260.28	2.06	56.18	-9.12	67.89
Col3	116	2.34	152.97	-1.43	56.18	6.36	67.89
Col3	117	2.34	152.97	2.06	56.18	-9.12	67.89
Col3	118	-2.08	260.28	2.06	56.18	-9.12	67.89
Col3	119	-2.08	260.28	2.06	56.18	-9.12	67.89
Col3	120	-2.08	260.28	-1.43	56.18	6.36	67.89
Col3	121	-2.08	260.28	-1.43	56.18	6.36	67.89
Col3	122	2.34	152.97	2.06	56.18	-9.12	67.89
Col3	123	2.18	152.97	-1.43	56.18	6.36	67.89
Col3	124	2.34	152.97	-1.43	56.18	6.36	67.89
Col3	125	2.18	152.97	2.06	56.18	-9.12	67.89
Col3	126	1.61	152.97	-1.43	56.18	6.36	67.89
Col3	127	1.80	152.97	-1.43	56.18	6.36	67.89
Col3	128	1.61	152.97	2.06	56.18	-9.12	67.89
Col3	129	1.80	152.97	2.06	56.18	-9.12	67.89
Col3	130	4.33	152.97	-1.43	56.18	6.36	67.89
Col3	131	4.33	152.97	2.06	56.18	-9.12	67.89
Col3	132	0.21	152.97	2.06	56.18	-9.12	67.89
Col3	133	0.21	152.97	2.06	56.18	-9.12	67.89
Col3	134	0.21	152.97	-1.43	56.18	6.36	67.89
Col3	135	0.21	152.97	-1.43	56.18	6.36	67.89
Col3	136	4.34	152.97	2.06	56.18	-9.12	67.89
Col3	137	4.18	152.97	-1.43	56.18	6.36	67.89
Col3	138	4.34	152.97	-1.43	56.18	6.36	67.89
Col3	139	4.18	152.97	2.06	56.18	-9.12	67.89
Col3	140	3.30	152.97	0.00	56.18	0.00	63.73
Col3	141	1.29	152.97	0.00	56.18	0.00	63.73
Col3	142	5.06	152.97	0.00	56.18	0.00	63.73
Col3	143	3.05	152.97	0.00	56.18	0.00	63.73

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col3	144	7.21	152.97	0.00	56.18	0.00	63.73
Col3	145	12.02	152.97	0.00	56.18	0.00	63.73
Col3	146	5.20	152.97	0.00	56.18	0.00	63.73
Col3	147	5.47	152.97	0.00	56.18	0.00	63.73
Col3	148	5.53	152.97	0.00	56.18	0.00	63.73
Col3	149	6.25	152.97	0.00	56.18	0.00	63.73
Col3	150	6.21	152.97	0.00	56.18	0.00	63.73
Col3	151	5.07	152.97	0.00	56.18	0.00	63.73
Col3	152	5.07	152.97	0.00	56.18	0.00	63.73
Col3	153	4.33	152.97	0.00	56.18	0.00	63.73
Col3	154	4.61	152.97	0.00	56.18	0.00	63.73
Col3	155	4.66	152.97	0.00	56.18	0.00	63.73
Col3	156	5.39	152.97	0.00	56.18	0.00	63.73
Col3	157	5.34	152.97	0.00	56.18	0.00	63.73
Col3	158	4.21	152.97	0.00	56.18	0.00	63.73
Col3	159	4.21	152.97	0.00	56.18	0.00	63.73
Col3	160	11.47	152.97	0.00	56.18	0.00	63.73
Col3	161	11.52	152.97	0.00	56.18	0.00	63.73
Col3	162	12.25	152.97	0.00	56.18	0.00	63.73
Col3	163	12.20	152.97	0.00	56.18	0.00	63.73
Col3	164	11.07	152.97	0.00	56.18	0.00	63.73
Col3	165	11.07	152.97	0.00	56.18	0.00	63.73
Col3	166	10.61	152.97	0.00	56.18	0.00	63.73
Col3	167	10.66	152.97	0.00	56.18	0.00	63.73
Col3	168	11.39	152.97	0.00	56.18	0.00	63.73
Col3	169	11.34	152.97	0.00	56.18	0.00	63.73
Col3	170	10.21	152.97	0.00	56.18	0.00	63.73
Col3	171	10.21	152.97	0.00	56.18	0.00	63.73
Col3	172	-1.45	260.28	0.00	56.18	0.00	63.73
Col3	173	-1.27	260.28	0.00	56.18	0.00	63.73
Col3	174	1.67	152.97	0.00	56.18	0.00	63.73
Col3	175	1.51	152.97	0.00	56.18	0.00	63.73
Col3	176	-2.85	260.28	0.00	56.18	0.00	63.73
Col3	177	-2.85	260.28	0.00	56.18	0.00	63.73
Col3	178	0.48	152.97	0.00	56.18	0.00	63.73
Col3	179	0.66	152.97	0.00	56.18	0.00	63.73
Col3	180	3.20	152.97	0.00	56.18	0.00	63.73
Col3	181	3.04	152.97	0.00	56.18	0.00	63.73
Col3	182	-1.33	260.28	0.00	56.18	0.00	63.73
Col3	183	-1.33	260.28	0.00	56.18	0.00	63.73
Col3	184	2.48	152.97	0.00	56.18	0.00	63.73
Col3	185	2.66	152.97	0.00	56.18	0.00	63.73
Col3	186	5.20	152.97	0.00	56.18	0.00	63.73
Col3	187	5.04	152.97	0.00	56.18	0.00	63.73
Col3	188	1.07	152.97	0.00	56.18	0.00	63.73
Col3	189	1.07	152.97	0.00	56.18	0.00	63.73
Col3	190	-2.20	260.28	0.00	56.18	0.00	63.73
Col3	191	-2.02	260.28	0.00	56.18	0.00	63.73
Col3	192	0.81	152.97	0.00	56.18	0.00	63.73
Col3	193	0.65	152.97	0.00	56.18	0.00	63.73
Col3	194	-3.60	260.28	0.00	56.18	0.00	63.73
Col3	195	-3.60	260.28	0.00	56.18	0.00	63.73
Col3	196	-0.67	260.28	0.00	56.18	0.00	63.73
Col3	197	-0.49	260.28	0.00	56.18	0.00	63.73

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col3	198	2.34	152.97	0.00	56.18	0.00	63.73
Col3	199	2.18	152.97	0.00	56.18	0.00	63.73
Col3	200	-2.08	260.28	0.00	56.18	0.00	63.73
Col3	201	-2.08	260.28	0.00	56.18	0.00	63.73
Col3	202	1.61	152.97	0.00	56.18	0.00	63.73
Col3	203	1.80	152.97	0.00	56.18	0.00	63.73
Col3	204	4.34	152.97	0.00	56.18	0.00	63.73
Col3	205	4.18	152.97	0.00	56.18	0.00	63.73
Col3	206	0.21	152.97	0.00	56.18	0.00	63.73
Col3	207	0.21	152.97	0.00	56.18	0.00	63.73
Col3	208	4.83	152.97	0.00	56.18	0.00	63.73
Col3	209	2.82	152.97	0.00	56.18	0.00	63.73
Col4	1	2.78	152.97	0.00	56.18	0.00	63.73
Col4	2	1.05	152.97	0.00	56.18	0.00	63.73
Col4	3	3.78	152.97	0.00	56.18	0.00	63.73
Col4	4	2.34	152.97	0.34	56.18	-1.58	67.60
Col4	5	2.34	152.97	-0.24	56.18	1.11	67.60
Col4	6	2.47	152.97	0.34	56.18	-1.58	67.60
Col4	7	2.47	152.97	-0.24	56.18	1.11	67.60
Col4	8	2.58	152.97	0.34	56.18	-1.58	67.60
Col4	9	2.58	152.97	-0.24	56.18	1.11	67.60
Col4	10	2.71	152.97	0.34	56.18	-1.58	67.60
Col4	11	2.71	152.97	-0.24	56.18	1.11	67.60
Col4	12	2.35	152.97	0.34	56.18	-1.58	67.60
Col4	13	2.35	152.97	0.34	56.18	-1.58	67.60
Col4	14	2.35	152.97	-0.24	56.18	1.11	67.60
Col4	15	2.35	152.97	-0.24	56.18	1.11	67.60
Col4	16	2.36	152.97	0.00	56.18	0.00	63.73
Col4	17	3.36	152.97	0.00	56.18	0.00	63.73
Col4	18	1.92	152.97	0.34	56.18	-1.58	67.60
Col4	19	1.92	152.97	-0.24	56.18	1.11	67.60
Col4	20	2.05	152.97	0.34	56.18	-1.58	67.60
Col4	21	2.05	152.97	-0.24	56.18	1.11	67.60
Col4	22	2.16	152.97	0.34	56.18	-1.58	67.60
Col4	23	2.16	152.97	-0.24	56.18	1.11	67.60
Col4	24	2.29	152.97	0.34	56.18	-1.58	67.60
Col4	25	2.29	152.97	-0.24	56.18	1.11	67.60
Col4	26	1.93	152.97	0.34	56.18	-1.58	67.60
Col4	27	1.93	152.97	0.34	56.18	-1.58	67.60
Col4	28	1.93	152.97	-0.24	56.18	1.11	67.60
Col4	29	1.93	152.97	-0.24	56.18	1.11	67.60
Col4	30	5.20	152.97	0.00	56.18	0.00	63.73
Col4	31	4.76	152.97	0.34	56.18	-1.58	67.60
Col4	32	4.76	152.97	-0.24	56.18	1.11	67.60
Col4	33	4.89	152.97	0.34	56.18	-1.58	67.60
Col4	34	4.89	152.97	-0.24	56.18	1.11	67.60
Col4	35	5.00	152.97	0.34	56.18	-1.58	67.60
Col4	36	5.00	152.97	-0.24	56.18	1.11	67.60
Col4	37	5.13	152.97	0.34	56.18	-1.58	67.60
Col4	38	5.13	152.97	-0.24	56.18	1.11	67.60
Col4	39	4.76	152.97	0.34	56.18	-1.58	67.60
Col4	40	4.76	152.97	0.34	56.18	-1.58	67.60
Col4	41	4.76	152.97	-0.24	56.18	1.11	67.60
Col4	42	4.76	152.97	-0.24	56.18	1.11	67.60

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col4	43	4.78	152.97	0.00	56.18	0.00	63.73
Col4	44	4.34	152.97	0.34	56.18	-1.58	67.60
Col4	45	4.34	152.97	-0.24	56.18	1.11	67.60
Col4	46	4.47	152.97	0.34	56.18	-1.58	67.60
Col4	47	4.47	152.97	-0.24	56.18	1.11	67.60
Col4	48	4.57	152.97	0.34	56.18	-1.58	67.60
Col4	49	4.57	152.97	-0.24	56.18	1.11	67.60
Col4	50	4.71	152.97	0.34	56.18	-1.58	67.60
Col4	51	4.71	152.97	-0.24	56.18	1.11	67.60
Col4	52	4.34	152.97	0.34	56.18	-1.58	67.60
Col4	53	4.34	152.97	0.34	56.18	-1.58	67.60
Col4	54	4.34	152.97	-0.24	56.18	1.11	67.60
Col4	55	4.34	152.97	-0.24	56.18	1.11	67.60
Col4	56	-1.02	260.28	-0.83	56.18	3.89	67.60
Col4	57	-0.56	260.28	-0.83	56.18	3.89	67.60
Col4	58	-1.02	260.28	1.17	56.18	-5.51	67.60
Col4	59	-0.56	260.28	1.17	56.18	-5.51	67.60
Col4	60	0.93	152.97	-0.83	56.18	3.89	67.60
Col4	61	0.93	152.97	1.17	56.18	-5.51	67.60
Col4	62	-1.01	260.28	1.17	56.18	-5.51	67.60
Col4	63	-1.01	260.28	1.17	56.18	-5.51	67.60
Col4	64	-1.01	260.28	-0.83	56.18	3.89	67.60
Col4	65	-1.01	260.28	-0.83	56.18	3.89	67.60
Col4	66	0.22	152.97	1.17	56.18	-5.51	67.60
Col4	67	0.68	152.97	-0.83	56.18	3.89	67.60
Col4	68	0.22	152.97	-0.83	56.18	3.89	67.60
Col4	69	0.68	152.97	1.17	56.18	-5.51	67.60
Col4	70	-0.40	260.28	-0.83	56.18	3.89	67.60
Col4	71	0.48	152.97	-0.83	56.18	3.89	67.60
Col4	72	-0.40	260.28	1.17	56.18	-5.51	67.60
Col4	73	0.48	152.97	1.17	56.18	-5.51	67.60
Col4	74	1.55	152.97	-0.83	56.18	3.89	67.60
Col4	75	1.55	152.97	1.17	56.18	-5.51	67.60
Col4	76	-0.40	260.28	1.17	56.18	-5.51	67.60
Col4	77	-0.40	260.28	1.17	56.18	-5.51	67.60
Col4	78	-0.40	260.28	-0.83	56.18	3.89	67.60
Col4	79	-0.40	260.28	-0.83	56.18	3.89	67.60
Col4	80	0.84	152.97	1.17	56.18	-5.51	67.60
Col4	81	1.30	152.97	-0.83	56.18	3.89	67.60
Col4	82	0.84	152.97	-0.83	56.18	3.89	67.60
Col4	83	1.30	152.97	1.17	56.18	-5.51	67.60
Col4	84	0.82	152.97	-0.83	56.18	3.89	67.60
Col4	85	1.28	152.97	-0.83	56.18	3.89	67.60
Col4	86	0.82	152.97	1.17	56.18	-5.51	67.60
Col4	87	1.28	152.97	1.17	56.18	-5.51	67.60
Col4	88	2.36	152.97	-0.83	56.18	3.89	67.60
Col4	89	2.36	152.97	1.17	56.18	-5.51	67.60
Col4	90	0.83	152.97	1.17	56.18	-5.51	67.60
Col4	91	0.83	152.97	1.17	56.18	-5.51	67.60
Col4	92	0.83	152.97	-0.83	56.18	3.89	67.60
Col4	93	0.83	152.97	-0.83	56.18	3.89	67.60
Col4	94	1.64	152.97	1.17	56.18	-5.51	67.60
Col4	95	2.10	152.97	-0.83	56.18	3.89	67.60
Col4	96	1.64	152.97	-0.83	56.18	3.89	67.60

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col4	97	2.10	152.97	1.17	56.18	-5.51	67.60
Col4	98	-1.32	260.28	-0.83	56.18	3.89	67.60
Col4	99	-0.86	260.28	-0.83	56.18	3.89	67.60
Col4	100	-1.32	260.28	1.17	56.18	-5.51	67.60
Col4	101	-0.86	260.28	1.17	56.18	-5.51	67.60
Col4	102	0.51	152.97	-0.83	56.18	3.89	67.60
Col4	103	0.51	152.97	1.17	56.18	-5.51	67.60
Col4	104	-1.31	260.28	1.17	56.18	-5.51	67.60
Col4	105	-1.31	260.28	1.17	56.18	-5.51	67.60
Col4	106	-1.31	260.28	-0.83	56.18	3.89	67.60
Col4	107	-1.31	260.28	-0.83	56.18	3.89	67.60
Col4	108	-0.50	260.28	1.17	56.18	-5.51	67.60
Col4	109	0.26	152.97	-0.83	56.18	3.89	67.60
Col4	110	-0.50	260.28	-0.83	56.18	3.89	67.60
Col4	111	0.26	152.97	1.17	56.18	-5.51	67.60
Col4	112	-0.71	260.28	-0.83	56.18	3.89	67.60
Col4	113	-0.25	260.28	-0.83	56.18	3.89	67.60
Col4	114	-0.71	260.28	1.17	56.18	-5.51	67.60
Col4	115	-0.25	260.28	1.17	56.18	-5.51	67.60
Col4	116	1.13	152.97	-0.83	56.18	3.89	67.60
Col4	117	1.13	152.97	1.17	56.18	-5.51	67.60
Col4	118	-0.70	260.28	1.17	56.18	-5.51	67.60
Col4	119	-0.70	260.28	1.17	56.18	-5.51	67.60
Col4	120	-0.70	260.28	-0.83	56.18	3.89	67.60
Col4	121	-0.70	260.28	-0.83	56.18	3.89	67.60
Col4	122	0.42	152.97	1.17	56.18	-5.51	67.60
Col4	123	0.87	152.97	-0.83	56.18	3.89	67.60
Col4	124	0.42	152.97	-0.83	56.18	3.89	67.60
Col4	125	0.87	152.97	1.17	56.18	-5.51	67.60
Col4	126	0.40	152.97	-0.83	56.18	3.89	67.60
Col4	127	0.86	152.97	-0.83	56.18	3.89	67.60
Col4	128	0.40	152.97	1.17	56.18	-5.51	67.60
Col4	129	0.86	152.97	1.17	56.18	-5.51	67.60
Col4	130	1.94	152.97	-0.83	56.18	3.89	67.60
Col4	131	1.94	152.97	1.17	56.18	-5.51	67.60
Col4	132	0.41	152.97	1.17	56.18	-5.51	67.60
Col4	133	0.41	152.97	1.17	56.18	-5.51	67.60
Col4	134	0.41	152.97	-0.83	56.18	3.89	67.60
Col4	135	0.41	152.97	-0.83	56.18	3.89	67.60
Col4	136	1.22	152.97	1.17	56.18	-5.51	67.60
Col4	137	1.68	152.97	-0.83	56.18	3.89	67.60
Col4	138	1.22	152.97	-0.83	56.18	3.89	67.60
Col4	139	1.68	152.97	1.17	56.18	-5.51	67.60
Col4	140	0.77	152.97	0.00	56.18	0.00	63.73
Col4	141	0.73	152.97	0.00	56.18	0.00	63.73
Col4	142	1.48	152.97	0.00	56.18	0.00	63.73
Col4	143	1.44	152.97	0.00	56.18	0.00	63.73
Col4	144	3.04	152.97	0.00	56.18	0.00	63.73
Col4	145	5.23	152.97	0.00	56.18	0.00	63.73
Col4	146	2.36	152.97	0.00	56.18	0.00	63.73
Col4	147	2.34	152.97	0.00	56.18	0.00	63.73
Col4	148	2.47	152.97	0.00	56.18	0.00	63.73
Col4	149	2.58	152.97	0.00	56.18	0.00	63.73
Col4	150	2.71	152.97	0.00	56.18	0.00	63.73

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col4	151	2.35	152.97	0.00	56.18	0.00	63.73
Col4	152	2.35	152.97	0.00	56.18	0.00	63.73
Col4	153	1.94	152.97	0.00	56.18	0.00	63.73
Col4	154	1.92	152.97	0.00	56.18	0.00	63.73
Col4	155	2.05	152.97	0.00	56.18	0.00	63.73
Col4	156	2.16	152.97	0.00	56.18	0.00	63.73
Col4	157	2.29	152.97	0.00	56.18	0.00	63.73
Col4	158	1.93	152.97	0.00	56.18	0.00	63.73
Col4	159	1.93	152.97	0.00	56.18	0.00	63.73
Col4	160	4.76	152.97	0.00	56.18	0.00	63.73
Col4	161	4.89	152.97	0.00	56.18	0.00	63.73
Col4	162	5.00	152.97	0.00	56.18	0.00	63.73
Col4	163	5.13	152.97	0.00	56.18	0.00	63.73
Col4	164	4.76	152.97	0.00	56.18	0.00	63.73
Col4	165	4.76	152.97	0.00	56.18	0.00	63.73
Col4	166	4.34	152.97	0.00	56.18	0.00	63.73
Col4	167	4.47	152.97	0.00	56.18	0.00	63.73
Col4	168	4.57	152.97	0.00	56.18	0.00	63.73
Col4	169	4.71	152.97	0.00	56.18	0.00	63.73
Col4	170	4.34	152.97	0.00	56.18	0.00	63.73
Col4	171	4.34	152.97	0.00	56.18	0.00	63.73
Col4	172	-1.02	260.28	0.00	56.18	0.00	63.73
Col4	173	-0.56	260.28	0.00	56.18	0.00	63.73
Col4	174	0.22	152.97	0.00	56.18	0.00	63.73
Col4	175	0.68	152.97	0.00	56.18	0.00	63.73
Col4	176	-1.01	260.28	0.00	56.18	0.00	63.73
Col4	177	-1.01	260.28	0.00	56.18	0.00	63.73
Col4	178	-0.40	260.28	0.00	56.18	0.00	63.73
Col4	179	0.48	152.97	0.00	56.18	0.00	63.73
Col4	180	0.84	152.97	0.00	56.18	0.00	63.73
Col4	181	1.30	152.97	0.00	56.18	0.00	63.73
Col4	182	-0.40	260.28	0.00	56.18	0.00	63.73
Col4	183	-0.40	260.28	0.00	56.18	0.00	63.73
Col4	184	0.82	152.97	0.00	56.18	0.00	63.73
Col4	185	1.28	152.97	0.00	56.18	0.00	63.73
Col4	186	1.64	152.97	0.00	56.18	0.00	63.73
Col4	187	2.10	152.97	0.00	56.18	0.00	63.73
Col4	188	0.83	152.97	0.00	56.18	0.00	63.73
Col4	189	0.83	152.97	0.00	56.18	0.00	63.73
Col4	190	-1.32	260.28	0.00	56.18	0.00	63.73
Col4	191	-0.86	260.28	0.00	56.18	0.00	63.73
Col4	192	-0.50	260.28	0.00	56.18	0.00	63.73
Col4	193	0.26	152.97	0.00	56.18	0.00	63.73
Col4	194	-1.31	260.28	0.00	56.18	0.00	63.73
Col4	195	-1.31	260.28	0.00	56.18	0.00	63.73
Col4	196	-0.71	260.28	0.00	56.18	0.00	63.73
Col4	197	-0.25	260.28	0.00	56.18	0.00	63.73
Col4	198	0.42	152.97	0.00	56.18	0.00	63.73
Col4	199	0.87	152.97	0.00	56.18	0.00	63.73
Col4	200	-0.70	260.28	0.00	56.18	0.00	63.73
Col4	201	-0.70	260.28	0.00	56.18	0.00	63.73
Col4	202	0.40	152.97	0.00	56.18	0.00	63.73
Col4	203	0.86	152.97	0.00	56.18	0.00	63.73
Col4	204	1.22	152.97	0.00	56.18	0.00	63.73

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col4	205	1.68	152.97	0.00	56.18	0.00	63.73
Col4	206	0.41	152.97	0.00	56.18	0.00	63.73
Col4	207	0.41	152.97	0.00	56.18	0.00	63.73
Col4	208	1.38	152.97	0.00	56.18	0.00	63.73
Col4	209	1.35	152.97	0.00	56.18	0.00	63.73
Raf1	1	0.26	217.32	-3.12	56.18	6.88	69.08
Raf1	2	0.06	217.32	-0.76	56.18	1.67	69.08
Raf1	3	0.37	217.32	-4.44	56.18	9.79	69.08
Raf1	4	0.28	217.32	-2.49	56.18	5.50	69.08
Raf1	5	0.28	217.32	-2.49	56.18	5.50	69.08
Raf1	6	-0.66	260.28	-2.73	56.18	6.03	69.08
Raf1	7	-0.66	260.28	-2.73	56.18	6.03	69.08
Raf1	8	0.72	212.33	-2.85	56.18	6.30	69.08
Raf1	9	0.72	212.33	-2.85	56.18	6.30	69.08
Raf1	10	0.92	217.32	-3.09	56.18	6.83	69.08
Raf1	11	0.92	217.32	-3.09	56.18	6.83	69.08
Raf1	12	-0.70	260.28	-2.49	56.18	5.50	69.08
Raf1	13	-0.70	260.28	-2.49	56.18	5.50	69.08
Raf1	14	-0.70	260.28	-2.49	56.18	5.50	69.08
Raf1	15	-0.70	260.28	-2.49	56.18	5.50	69.08
Raf1	16	0.23	217.32	-2.72	56.18	6.00	69.08
Raf1	17	0.34	217.32	-4.04	56.18	8.91	69.08
Raf1	18	0.26	217.32	-2.09	56.18	4.61	69.08
Raf1	19	0.26	217.32	-2.09	56.18	4.61	69.08
Raf1	20	-0.63	260.28	-2.33	56.18	5.15	69.08
Raf1	21	-0.63	260.28	-2.33	56.18	5.15	69.08
Raf1	22	0.69	212.33	-2.45	56.18	5.41	69.08
Raf1	23	0.69	212.33	-2.45	56.18	5.41	69.08
Raf1	24	0.89	217.32	-2.69	56.18	5.95	69.08
Raf1	25	0.89	217.32	-2.69	56.18	5.95	69.08
Raf1	26	-0.67	260.28	-2.09	56.18	4.61	69.08
Raf1	27	-0.67	260.28	-2.09	56.18	4.61	69.08
Raf1	28	-0.67	260.28	-2.09	56.18	4.61	69.08
Raf1	29	-0.67	260.28	-2.09	56.18	4.61	69.08
Raf1	30	0.53	217.32	-6.31	56.18	13.94	69.08
Raf1	31	0.47	212.33	-5.69	56.18	12.55	69.08
Raf1	32	0.47	212.33	-5.69	56.18	12.55	69.08
Raf1	33	-0.93	260.28	-5.93	56.18	13.08	69.08
Raf1	34	-0.93	260.28	-5.93	56.18	13.08	69.08
Raf1	35	0.95	212.33	-6.05	56.18	13.35	69.08
Raf1	36	0.95	212.33	-6.05	56.18	13.35	69.08
Raf1	37	1.19	217.32	-6.29	56.18	13.88	69.08
Raf1	38	1.19	217.32	-6.29	56.18	13.88	69.08
Raf1	39	-0.97	260.28	-5.69	56.18	12.55	69.08
Raf1	40	-0.97	260.28	-5.69	56.18	12.55	69.08
Raf1	41	-0.97	260.28	-5.69	56.18	12.55	69.08
Raf1	42	-0.97	260.28	-5.69	56.18	12.55	69.08
Raf1	43	0.49	217.32	-5.91	56.18	13.05	69.08
Raf1	44	0.44	212.33	-5.29	56.18	11.67	69.08
Raf1	45	0.44	212.33	-5.29	56.18	11.67	69.08
Raf1	46	-0.89	260.28	-5.53	56.18	12.20	69.08
Raf1	47	-0.89	260.28	-5.53	56.18	12.20	69.08
Raf1	48	0.92	212.33	-5.65	56.18	12.47	69.08

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Raf1	49	0.92	212.33	-5.65	56.18	12.47	69.08
Raf1	50	1.15	217.32	-5.89	56.18	13.00	69.08
Raf1	51	1.15	217.32	-5.89	56.18	13.00	69.08
Raf1	52	-0.93	260.28	-5.29	56.18	11.67	69.08
Raf1	53	-0.93	260.28	-5.29	56.18	11.67	69.08
Raf1	54	-0.93	260.28	-5.29	56.18	11.67	69.08
Raf1	55	-0.93	260.28	-5.29	56.18	11.67	69.08
Raf1	56	-1.40	260.28	1.52	56.18	-3.36	69.08
Raf1	57	-1.46	260.28	0.68	56.18	-1.49	69.08
Raf1	58	-1.40	260.28	1.52	56.18	-3.36	69.08
Raf1	59	-1.46	260.28	0.68	56.18	-1.49	69.08
Raf1	60	0.06	217.32	-0.68	56.18	1.50	69.08
Raf1	61	0.06	217.32	-0.68	56.18	1.50	69.08
Raf1	62	-1.60	260.28	1.52	56.18	-3.36	69.08
Raf1	63	-1.60	260.28	1.52	56.18	-3.36	69.08
Raf1	64	-1.60	260.28	1.52	56.18	-3.36	69.08
Raf1	65	-1.60	260.28	1.52	56.18	-3.36	69.08
Raf1	66	1.91	217.32	0.25	56.18	-0.56	69.08
Raf1	67	2.37	212.33	-0.59	56.18	1.31	69.08
Raf1	68	1.91	217.32	0.25	56.18	-0.56	69.08
Raf1	69	2.37	212.33	-0.59	56.18	1.31	69.08
Raf1	70	-1.36	260.28	0.71	56.18	-1.56	69.08
Raf1	71	-1.52	260.28	0.14	56.18	0.31	69.08
Raf1	72	-1.36	260.28	0.71	56.18	-1.56	69.08
Raf1	73	-1.52	260.28	0.14	56.18	0.31	69.08
Raf1	74	0.12	217.32	-1.49	56.18	3.29	69.08
Raf1	75	0.12	217.32	-1.49	56.18	3.29	69.08
Raf1	76	-1.67	260.28	0.71	56.18	-1.56	69.08
Raf1	77	-1.67	260.28	0.71	56.18	-1.56	69.08
Raf1	78	-1.67	260.28	0.71	56.18	-1.56	69.08
Raf1	79	-1.67	260.28	0.71	56.18	-1.56	69.08
Raf1	80	1.95	217.32	-0.56	56.18	1.24	69.08
Raf1	81	2.43	212.33	-1.41	56.18	3.10	69.08
Raf1	82	1.95	217.32	-0.56	56.18	1.24	69.08
Raf1	83	2.43	212.33	-1.41	56.18	3.10	69.08
Raf1	84	-1.31	260.28	-0.36	56.18	0.79	69.08
Raf1	85	-1.61	260.28	-1.20	56.18	2.65	69.08
Raf1	86	-1.31	260.28	-0.36	56.18	0.79	69.08
Raf1	87	-1.61	260.28	-1.20	56.18	2.65	69.08
Raf1	88	0.21	217.32	-2.56	56.18	5.64	69.08
Raf1	89	0.21	217.32	-2.56	56.18	5.64	69.08
Raf1	90	-1.76	260.28	-0.36	56.18	0.79	69.08
Raf1	91	-1.76	260.28	-0.36	56.18	0.79	69.08
Raf1	92	-1.76	260.28	-0.36	56.18	0.79	69.08
Raf1	93	-1.76	260.28	-0.36	56.18	0.79	69.08
Raf1	94	2.01	217.32	-1.63	56.18	3.59	69.08
Raf1	95	2.51	212.33	-2.47	56.18	5.45	69.08
Raf1	96	2.01	217.32	-1.63	56.18	3.59	69.08
Raf1	97	2.51	212.33	-2.47	56.18	5.45	69.08
Raf1	98	-1.42	260.28	1.92	56.18	-4.24	69.08
Raf1	99	-1.42	260.28	1.08	56.18	-2.37	69.08
Raf1	100	-1.42	260.28	1.92	56.18	-4.24	69.08
Raf1	101	-1.42	260.28	1.08	56.18	-2.37	69.08
Raf1	102	0.02	217.32	-0.28	56.18	0.61	69.08

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Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Raf1	103	0.02	217.32	-0.28	56.18	0.61	69.08
Raf1	104	-1.57	260.28	1.92	56.18	-4.24	69.08
Raf1	105	-1.57	260.28	1.92	56.18	-4.24	69.08
Raf1	106	-1.57	260.28	1.92	56.18	-4.24	69.08
Raf1	107	-1.57	260.28	1.92	56.18	-4.24	69.08
Raf1	108	1.89	217.32	0.65	56.18	-1.44	69.08
Raf1	109	2.34	212.33	-0.19	56.18	0.43	69.08
Raf1	110	1.89	217.32	0.65	56.18	-1.44	69.08
Raf1	111	2.34	212.33	-0.19	56.18	0.43	69.08
Raf1	112	-1.38	260.28	1.11	56.18	-2.44	69.08
Raf1	113	-1.49	260.28	0.26	56.18	-0.58	69.08
Raf1	114	-1.38	260.28	1.11	56.18	-2.44	69.08
Raf1	115	-1.49	260.28	0.26	56.18	-0.58	69.08
Raf1	116	0.09	217.32	-1.09	56.18	2.41	69.08
Raf1	117	0.09	217.32	-1.09	56.18	2.41	69.08
Raf1	118	-1.64	260.28	1.11	56.18	-2.44	69.08
Raf1	119	-1.64	260.28	1.11	56.18	-2.44	69.08
Raf1	120	-1.64	260.28	1.11	56.18	-2.44	69.08
Raf1	121	-1.64	260.28	1.11	56.18	-2.44	69.08
Raf1	122	1.93	217.32	-0.16	56.18	0.36	69.08
Raf1	123	2.40	212.33	-1.01	56.18	2.22	69.08
Raf1	124	1.93	217.32	-0.16	56.18	0.36	69.08
Raf1	125	2.40	212.33	-1.01	56.18	2.22	69.08
Raf1	126	-1.33	260.28	0.04	56.18	-0.09	69.08
Raf1	127	-1.58	260.28	-0.80	56.18	1.77	69.08
Raf1	128	-1.33	260.28	0.04	56.18	-0.09	69.08
Raf1	129	-1.58	260.28	-0.80	56.18	1.77	69.08
Raf1	130	0.18	217.32	-2.16	56.18	4.76	69.08
Raf1	131	0.18	217.32	-2.16	56.18	4.76	69.08
Raf1	132	-1.72	260.28	0.04	56.18	-0.09	69.08
Raf1	133	-1.72	260.28	0.04	56.18	-0.09	69.08
Raf1	134	-1.72	260.28	0.04	56.18	-0.09	69.08
Raf1	135	-1.72	260.28	0.04	56.18	-0.09	69.08
Raf1	136	1.99	217.32	-1.23	56.18	2.71	69.08
Raf1	137	2.48	212.33	-2.07	56.18	4.57	69.08
Raf1	138	1.99	217.32	-1.23	56.18	2.71	69.08
Raf1	139	2.48	212.33	-2.07	56.18	4.57	69.08
Raf1	140	0.99	212.33	-0.57	56.18	1.25	69.08
Raf1	141	1.07	212.33	-0.52	56.18	1.14	69.08
Raf1	142	0.92	212.33	-1.51	56.18	3.32	69.08
Raf1	143	1.14	212.33	-1.46	56.18	3.21	69.08
Raf1	144	0.45	212.33	-6.29	56.18	13.63	69.08
Raf1	145	0.52	217.32	6.28	56.18	13.56	69.08
Raf1	146	0.21	217.32	-2.56	56.18	5.64	69.08
Raf1	147	0.28	217.32	-2.49	56.18	5.50	69.08
Raf1	148	-0.66	260.28	-2.73	56.18	6.03	69.08
Raf1	149	0.72	212.33	-2.85	56.18	6.30	69.08
Raf1	150	0.92	217.32	-3.09	56.18	6.83	69.08
Raf1	151	-0.70	260.28	-2.49	56.18	5.50	69.08
Raf1	152	-0.70	260.28	-2.49	56.18	5.50	69.08
Raf1	153	0.18	217.32	-2.16	56.18	4.76	69.08
Raf1	154	0.26	217.32	-2.09	56.18	4.61	69.08
Raf1	155	-0.63	260.28	-2.33	56.18	5.15	69.08
Raf1	156	0.69	212.33	-2.45	56.18	5.41	69.08

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Raf1	157	0.89	217.32	-2.69	56.18	5.95	69.08
Raf1	158	-0.67	260.28	-2.09	56.18	4.61	69.08
Raf1	159	-0.67	260.28	-2.09	56.18	4.61	69.08
Raf1	160	0.47	212.33	-5.69	56.18	12.55	69.08
Raf1	161	-0.93	260.28	-5.93	56.18	13.08	69.08
Raf1	162	0.95	212.33	-6.05	56.18	13.35	69.08
Raf1	163	1.19	217.32	-6.29	56.18	13.88	69.08
Raf1	164	-0.97	260.28	-5.69	56.18	12.55	69.08
Raf1	165	-0.97	260.28	-5.69	56.18	12.55	69.08
Raf1	166	0.44	212.33	-5.29	56.18	11.67	69.08
Raf1	167	-0.89	260.28	-5.53	56.18	12.20	69.08
Raf1	168	0.92	212.33	-5.65	56.18	12.47	69.08
Raf1	169	1.15	217.32	-5.89	56.18	13.00	69.08
Raf1	170	-0.93	260.28	-5.29	56.18	11.67	69.08
Raf1	171	-0.93	260.28	-5.29	56.18	11.67	69.08
Raf1	172	-1.40	260.28	1.52	56.18	-3.36	69.08
Raf1	173	-1.46	260.28	0.68	56.18	-1.49	69.08
Raf1	174	1.91	217.32	0.25	56.18	-0.56	69.08
Raf1	175	2.37	212.33	-0.59	56.18	1.31	69.08
Raf1	176	-1.60	260.28	1.52	56.18	-3.36	69.08
Raf1	177	-1.60	260.28	1.52	56.18	-3.36	69.08
Raf1	178	-1.36	260.28	0.71	56.18	-1.56	69.08
Raf1	179	-1.52	260.28	0.14	56.18	0.31	69.08
Raf1	180	1.95	217.32	-0.56	56.18	1.24	69.08
Raf1	181	2.43	212.33	-1.41	56.18	3.10	69.08
Raf1	182	-1.67	260.28	0.71	56.18	-1.56	69.08
Raf1	183	-1.67	260.28	0.71	56.18	-1.56	69.08
Raf1	184	-1.31	260.28	-0.36	56.18	0.79	69.08
Raf1	185	-1.61	260.28	-1.20	56.18	2.65	69.08
Raf1	186	2.01	217.32	-1.63	56.18	3.59	69.08
Raf1	187	2.51	212.33	-2.47	56.18	5.45	69.08
Raf1	188	-1.76	260.28	-0.36	56.18	0.79	69.08
Raf1	189	-1.76	260.28	-0.36	56.18	0.79	69.08
Raf1	190	-1.42	260.28	1.92	56.18	-4.24	69.08
Raf1	191	-1.42	260.28	1.08	56.18	-2.37	69.08
Raf1	192	1.89	217.32	0.65	56.18	-1.44	69.08
Raf1	193	2.34	212.33	-0.19	56.18	0.43	69.08
Raf1	194	-1.57	260.28	1.92	56.18	-4.24	69.08
Raf1	195	-1.57	260.28	1.92	56.18	-4.24	69.08
Raf1	196	-1.38	260.28	1.11	56.18	-2.44	69.08
Raf1	197	-1.49	260.28	0.26	56.18	-0.58	69.08
Raf1	198	1.93	217.32	-0.16	56.18	0.36	69.08
Raf1	199	2.40	212.33	-1.01	56.18	2.22	69.08
Raf1	200	-1.64	260.28	1.11	56.18	-2.44	69.08
Raf1	201	-1.64	260.28	1.11	56.18	-2.44	69.08
Raf1	202	-1.33	260.28	0.04	56.18	-0.09	69.08
Raf1	203	-1.58	260.28	-0.80	56.18	1.77	69.08
Raf1	204	1.99	217.32	-1.23	56.18	2.71	69.08
Raf1	205	2.48	212.33	-2.07	56.18	4.57	69.08
Raf1	206	-1.72	260.28	0.04	56.18	-0.09	69.08
Raf1	207	-1.72	260.28	0.04	56.18	-0.09	69.08
Raf1	208	0.93	212.33	-1.38	56.18	3.05	69.08
Raf1	209	1.13	212.33	-1.33	56.18	2.94	69.08
Raf2	1	0.16	217.32	-2.05	56.18	-5.07	69.08

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Raf2	2	0.04	217.32	-0.50	56.18	-1.23	69.08
Raf2	3	0.22	217.32	-2.92	56.18	-7.20	69.08
Raf2	4	-0.58	260.28	-1.64	56.18	-4.04	69.08
Raf2	5	-0.58	260.28	-1.64	56.18	-4.04	69.08
Raf2	6	0.36	217.32	-1.80	56.18	-4.44	69.08
Raf2	7	0.36	217.32	-1.80	56.18	-4.44	69.08
Raf2	8	0.20	217.32	-1.88	56.18	-4.63	69.08
Raf2	9	0.20	217.32	-1.88	56.18	-4.63	69.08
Raf2	10	0.82	217.32	-2.04	56.18	-5.03	69.08
Raf2	11	0.82	217.32	-2.04	56.18	-5.03	69.08
Raf2	12	-0.61	260.28	-1.64	56.18	-4.04	69.08
Raf2	13	-0.61	260.28	-1.64	56.18	-4.04	69.08
Raf2	14	-0.61	260.28	-1.64	56.18	-4.04	69.08
Raf2	15	-0.61	260.28	-1.64	56.18	-4.04	69.08
Raf2	16	0.14	217.32	-1.79	56.18	-4.42	69.08
Raf2	17	0.20	217.32	-2.65	56.18	-6.55	69.08
Raf2	18	-0.56	260.28	-1.38	56.18	-3.40	69.08
Raf2	19	-0.56	260.28	-1.38	56.18	-3.40	69.08
Raf2	20	0.34	217.32	-1.53	56.18	-3.79	69.08
Raf2	21	0.34	217.32	-1.53	56.18	-3.79	69.08
Raf2	22	0.18	217.32	-1.61	56.18	-3.98	69.08
Raf2	23	0.18	217.32	-1.61	56.18	-3.98	69.08
Raf2	24	0.80	217.32	-1.77	56.18	-4.38	69.08
Raf2	25	0.80	217.32	-1.77	56.18	-4.38	69.08
Raf2	26	-0.59	260.28	-1.38	56.18	-3.40	69.08
Raf2	27	-0.59	260.28	-1.38	56.18	-3.40	69.08
Raf2	28	-0.59	260.28	-1.38	56.18	-3.40	69.08
Raf2	29	-0.59	260.28	-1.38	56.18	-3.40	69.08
Raf2	30	0.32	217.32	-4.15	56.18	-10.25	69.08
Raf2	31	-0.76	260.28	-3.74	56.18	-9.23	69.08
Raf2	32	-0.76	260.28	-3.74	56.18	-9.23	69.08
Raf2	33	0.52	217.32	-3.90	56.18	-9.63	69.08
Raf2	34	0.52	217.32	-3.90	56.18	-9.63	69.08
Raf2	35	0.36	217.32	-3.98	56.18	-9.82	69.08
Raf2	36	0.36	217.32	-3.98	56.18	-9.82	69.08
Raf2	37	0.98	217.32	-4.14	56.18	-10.22	69.08
Raf2	38	0.98	217.32	-4.14	56.18	-10.22	69.08
Raf2	39	-0.79	260.28	-3.74	56.18	-9.23	69.08
Raf2	40	-0.79	260.28	-3.74	56.18	-9.23	69.08
Raf2	41	-0.79	260.28	-3.74	56.18	-9.23	69.08
Raf2	42	-0.79	260.28	-3.74	56.18	-9.23	69.08
Raf2	43	0.30	217.32	-3.89	56.18	-9.61	69.08
Raf2	44	-0.73	260.28	-3.48	56.18	-8.59	69.08
Raf2	45	-0.73	260.28	-3.48	56.18	-8.59	69.08
Raf2	46	0.50	217.32	-3.64	56.18	-8.98	69.08
Raf2	47	0.50	217.32	-3.64	56.18	-8.98	69.08
Raf2	48	0.34	217.32	-3.72	56.18	-9.17	69.08
Raf2	49	0.34	217.32	-3.72	56.18	-9.17	69.08
Raf2	50	0.96	217.32	-3.87	56.18	-9.57	69.08
Raf2	51	0.96	217.32	-3.87	56.18	-9.57	69.08
Raf2	52	-0.77	260.28	-3.48	56.18	-8.59	69.08
Raf2	53	-0.77	260.28	-3.48	56.18	-8.59	69.08
Raf2	54	-0.77	260.28	-3.48	56.18	-8.59	69.08
Raf2	55	-0.77	260.28	-3.48	56.18	-8.59	69.08

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Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Raf2	56	-1.47	260.28	1.00	56.18	2.47	69.08
Raf2	57	0.74	217.32	0.44	56.18	1.10	69.08
Raf2	58	-1.47	260.28	1.00	56.18	2.47	69.08
Raf2	59	0.74	217.32	0.44	56.18	1.10	69.08
Raf2	60	0.03	217.32	-0.45	56.18	-1.10	69.08
Raf2	61	0.03	217.32	-0.45	56.18	-1.10	69.08
Raf2	62	-1.59	260.28	1.00	56.18	2.47	69.08
Raf2	63	-1.59	260.28	1.00	56.18	2.47	69.08
Raf2	64	-1.59	260.28	1.00	56.18	2.47	69.08
Raf2	65	-1.59	260.28	1.00	56.18	2.47	69.08
Raf2	66	0.20	217.32	0.17	56.18	0.41	69.08
Raf2	67	2.34	217.32	-0.39	56.18	-0.96	69.08
Raf2	68	0.20	217.32	0.17	56.18	0.41	69.08
Raf2	69	2.34	217.32	-0.39	56.18	-0.96	69.08
Raf2	70	-1.52	260.28	0.47	56.18	1.15	69.08
Raf2	71	0.78	217.32	-0.09	56.18	-0.22	69.08
Raf2	72	-1.52	260.28	0.47	56.18	1.15	69.08
Raf2	73	0.78	217.32	-0.09	56.18	-0.22	69.08
Raf2	74	0.07	217.32	-0.98	56.18	-2.42	69.08
Raf2	75	0.07	217.32	-0.98	56.18	-2.42	69.08
Raf2	76	-1.63	260.28	0.47	56.18	1.15	69.08
Raf2	77	-1.63	260.28	0.47	56.18	1.15	69.08
Raf2	78	-1.63	260.28	0.47	56.18	1.15	69.08
Raf2	79	-1.63	260.28	0.47	56.18	1.15	69.08
Raf2	80	0.25	217.32	-0.37	56.18	-0.91	69.08
Raf2	81	2.38	217.32	-0.93	56.18	-2.28	69.08
Raf2	82	0.25	217.32	-0.37	56.18	-0.91	69.08
Raf2	83	2.38	217.32	-0.93	56.18	-2.28	69.08
Raf2	84	-1.58	260.28	-0.24	56.18	-0.58	69.08
Raf2	85	0.83	217.32	-0.79	56.18	-1.95	69.08
Raf2	86	-1.58	260.28	-0.24	56.18	-0.58	69.08
Raf2	87	0.83	217.32	-0.79	56.18	-1.95	69.08
Raf2	88	0.13	217.32	-1.68	56.18	-4.15	69.08
Raf2	89	0.13	217.32	-1.68	56.18	-4.15	69.08
Raf2	90	-1.69	260.28	-0.24	56.18	-0.58	69.08
Raf2	91	-1.69	260.28	-0.24	56.18	-0.58	69.08
Raf2	92	-1.69	260.28	-0.24	56.18	-0.58	69.08
Raf2	93	-1.69	260.28	-0.24	56.18	-0.58	69.08
Raf2	94	0.30	217.32	-1.07	56.18	-2.64	69.08
Raf2	95	2.44	217.32	-1.63	56.18	-4.01	69.08
Raf2	96	0.30	217.32	-1.07	56.18	-2.64	69.08
Raf2	97	2.44	217.32	-1.63	56.18	-4.01	69.08
Raf2	98	-1.45	260.28	1.26	56.18	3.12	69.08
Raf2	99	0.72	217.32	0.71	56.18	1.75	69.08
Raf2	100	-1.45	260.28	1.26	56.18	3.12	69.08
Raf2	101	0.72	217.32	0.71	56.18	1.75	69.08
Raf2	102	0.01	217.32	-0.18	56.18	-0.45	69.08
Raf2	103	0.01	217.32	-0.18	56.18	-0.45	69.08
Raf2	104	-1.56	260.28	1.26	56.18	3.12	69.08
Raf2	105	-1.56	260.28	1.26	56.18	3.12	69.08
Raf2	106	-1.56	260.28	1.26	56.18	3.12	69.08
Raf2	107	-1.56	260.28	1.26	56.18	3.12	69.08
Raf2	108	0.18	217.32	0.43	56.18	1.06	69.08
Raf2	109	2.32	217.32	-0.13	56.18	-0.31	69.08

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Raf2	110	0.18	217.32	0.43	56.18	1.06	69.08
Raf2	111	2.32	217.32	-0.13	56.18	-0.31	69.08
Raf2	112	-1.50	260.28	0.73	56.18	1.80	69.08
Raf2	113	0.76	217.32	0.17	56.18	0.42	69.08
Raf2	114	-1.50	260.28	0.73	56.18	1.80	69.08
Raf2	115	0.76	217.32	0.17	56.18	0.42	69.08
Raf2	116	0.05	217.32	-0.72	56.18	-1.77	69.08
Raf2	117	0.05	217.32	-0.72	56.18	-1.77	69.08
Raf2	118	-1.61	260.28	0.73	56.18	1.80	69.08
Raf2	119	-1.61	260.28	0.73	56.18	1.80	69.08
Raf2	120	-1.61	260.28	0.73	56.18	1.80	69.08
Raf2	121	-1.61	260.28	0.73	56.18	1.80	69.08
Raf2	122	0.23	217.32	-0.11	56.18	-0.26	69.08
Raf2	123	2.36	217.32	-0.66	56.18	-1.64	69.08
Raf2	124	0.23	217.32	-0.11	56.18	-0.26	69.08
Raf2	125	2.36	217.32	-0.66	56.18	-1.64	69.08
Raf2	126	-1.55	260.28	0.03	56.18	0.07	69.08
Raf2	127	0.81	217.32	-0.53	56.18	-1.31	69.08
Raf2	128	-1.55	260.28	0.03	56.18	0.07	69.08
Raf2	129	0.81	217.32	-0.53	56.18	-1.31	69.08
Raf2	130	0.11	217.32	-1.42	56.18	-3.50	69.08
Raf2	131	0.11	217.32	-1.42	56.18	-3.50	69.08
Raf2	132	-1.67	260.28	0.03	56.18	0.07	69.08
Raf2	133	-1.67	260.28	0.03	56.18	0.07	69.08
Raf2	134	-1.67	260.28	0.03	56.18	0.07	69.08
Raf2	135	-1.67	260.28	0.03	56.18	0.07	69.08
Raf2	136	0.28	217.32	-0.81	56.18	-1.99	69.08
Raf2	137	2.42	217.32	-1.36	56.18	-3.37	69.08
Raf2	138	0.28	217.32	-0.81	56.18	-1.99	69.08
Raf2	139	2.42	217.32	-1.36	56.18	-3.37	69.08
Raf2	140	-0.37	260.28	-0.37	56.18	-0.92	69.08
Raf2	141	0.43	217.32	-0.34	56.18	-0.84	69.08
Raf2	142	-0.32	260.28	-0.99	56.18	-2.45	69.08
Raf2	143	0.47	217.32	-0.96	56.18	-2.37	69.08
Raf2	144	0.18	217.32	-2.27	56.18	-5.54	69.08
Raf2	145	0.31	217.32	-4.18	56.18	-10.40	69.08
Raf2	146	0.13	217.32	-1.68	56.18	-4.15	69.08
Raf2	147	-0.58	260.28	-1.64	56.18	-4.04	69.08
Raf2	148	0.36	217.32	-1.80	56.18	-4.44	69.08
Raf2	149	0.20	217.32	-1.88	56.18	-4.63	69.08
Raf2	150	0.82	217.32	-2.04	56.18	-5.03	69.08
Raf2	151	-0.61	260.28	-1.64	56.18	-4.04	69.08
Raf2	152	-0.61	260.28	-1.64	56.18	-4.04	69.08
Raf2	153	0.11	217.32	-1.42	56.18	-3.50	69.08
Raf2	154	-0.56	260.28	-1.38	56.18	-3.40	69.08
Raf2	155	0.34	217.32	-1.53	56.18	-3.79	69.08
Raf2	156	0.18	217.32	-1.61	56.18	-3.98	69.08
Raf2	157	0.80	217.32	-1.77	56.18	-4.38	69.08
Raf2	158	-0.59	260.28	-1.38	56.18	-3.40	69.08
Raf2	159	-0.59	260.28	-1.38	56.18	-3.40	69.08
Raf2	160	-0.76	260.28	-3.74	56.18	-9.23	69.08
Raf2	161	0.52	217.32	-3.90	56.18	-9.63	69.08
Raf2	162	0.36	217.32	-3.98	56.18	-9.82	69.08
Raf2	163	0.98	217.32	-4.14	56.18	-10.22	69.08

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Raf2	164	-0.79	260.28	-3.74	56.18	-9.23	69.08
Raf2	165	-0.79	260.28	-3.74	56.18	-9.23	69.08
Raf2	166	-0.73	260.28	-3.48	56.18	-8.59	69.08
Raf2	167	0.50	217.32	-3.64	56.18	-8.98	69.08
Raf2	168	0.34	217.32	-3.72	56.18	-9.17	69.08
Raf2	169	0.96	217.32	-3.87	56.18	-9.57	69.08
Raf2	170	-0.77	260.28	-3.48	56.18	-8.59	69.08
Raf2	171	-0.77	260.28	-3.48	56.18	-8.59	69.08
Raf2	172	-1.47	260.28	1.00	56.18	2.47	69.08
Raf2	173	0.74	217.32	0.44	56.18	1.10	69.08
Raf2	174	0.20	217.32	0.17	56.18	0.41	69.08
Raf2	175	2.34	217.32	-0.39	56.18	-0.96	69.08
Raf2	176	-1.59	260.28	1.00	56.18	2.47	69.08
Raf2	177	-1.59	260.28	1.00	56.18	2.47	69.08
Raf2	178	-1.52	260.28	0.47	56.18	1.15	69.08
Raf2	179	0.78	217.32	-0.09	56.18	-0.22	69.08
Raf2	180	0.25	217.32	-0.37	56.18	-0.91	69.08
Raf2	181	2.38	217.32	-0.93	56.18	-2.28	69.08
Raf2	182	-1.63	260.28	0.47	56.18	1.15	69.08
Raf2	183	-1.63	260.28	0.47	56.18	1.15	69.08
Raf2	184	-1.58	260.28	-0.24	56.18	-0.58	69.08
Raf2	185	0.83	217.32	-0.79	56.18	-1.95	69.08
Raf2	186	0.30	217.32	-1.07	56.18	-2.64	69.08
Raf2	187	2.44	217.32	-1.63	56.18	-4.01	69.08
Raf2	188	-1.69	260.28	-0.24	56.18	-0.58	69.08
Raf2	189	-1.69	260.28	-0.24	56.18	-0.58	69.08
Raf2	190	-1.45	260.28	1.26	56.18	3.12	69.08
Raf2	191	0.72	217.32	0.71	56.18	1.75	69.08
Raf2	192	0.18	217.32	0.43	56.18	1.06	69.08
Raf2	193	2.32	217.32	-0.13	56.18	-0.31	69.08
Raf2	194	-1.56	260.28	1.26	56.18	3.12	69.08
Raf2	195	-1.56	260.28	1.26	56.18	3.12	69.08
Raf2	196	-1.50	260.28	0.73	56.18	1.80	69.08
Raf2	197	0.76	217.32	0.17	56.18	0.42	69.08
Raf2	198	0.23	217.32	-0.11	56.18	-0.26	69.08
Raf2	199	2.36	217.32	-0.66	56.18	-1.64	69.08
Raf2	200	-1.61	260.28	0.73	56.18	1.80	69.08
Raf2	201	-1.61	260.28	0.73	56.18	1.80	69.08
Raf2	202	-1.55	260.28	0.03	56.18	0.07	69.08
Raf2	203	0.81	217.32	-0.53	56.18	-1.31	69.08
Raf2	204	0.28	217.32	-0.81	56.18	-1.99	69.08
Raf2	205	2.42	217.32	-1.36	56.18	-3.37	69.08
Raf2	206	-1.67	260.28	0.03	56.18	0.07	69.08
Raf2	207	-1.67	260.28	0.03	56.18	0.07	69.08
Raf2	208	-0.33	260.28	-0.91	56.18	-2.24	69.08
Raf2	209	0.47	217.32	-0.88	56.18	-2.16	69.08

STRENGTH RATIO:

Id	Load Id	Axial	Shear	Moment	Axial+ Moment	Shear+ Moment	Max UC
Col1	1	0.02	0.00	0.00	0.02		0.02
Col1	2	0.01	0.00	0.00	0.01		0.01

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col1	3	0.02	0.00	0.00	0.02	0.02
Col1	4	0.01	0.00	0.02	0.03	0.03
Col1	5	0.01	0.00	0.01	0.02	0.02
Col1	6	0.02	0.00	0.02	0.03	0.03
Col1	7	0.02	0.00	0.01	0.02	0.02
Col1	8	0.02	0.00	0.02	0.03	0.03
Col1	9	0.02	0.00	0.01	0.02	0.02
Col1	10	0.02	0.00	0.02	0.03	0.03
Col1	11	0.02	0.00	0.01	0.02	0.02
Col1	12	0.01	0.00	0.02	0.02	0.02
Col1	13	0.01	0.00	0.02	0.02	0.02
Col1	14	0.01	0.00	0.01	0.02	0.02
Col1	15	0.01	0.00	0.01	0.02	0.02
Col1	16	0.01	0.00	0.00	0.01	0.01
Col1	17	0.02	0.00	0.00	0.02	0.02
Col1	18	0.01	0.00	0.02	0.02	0.02
Col1	19	0.01	0.00	0.01	0.02	0.02
Col1	20	0.01	0.00	0.02	0.02	0.02
Col1	21	0.01	0.00	0.01	0.02	0.02
Col1	22	0.01	0.00	0.02	0.02	0.02
Col1	23	0.01	0.00	0.01	0.02	0.02
Col1	24	0.01	0.00	0.02	0.03	0.03
Col1	25	0.01	0.00	0.01	0.02	0.02
Col1	26	0.01	0.00	0.02	0.02	0.02
Col1	27	0.01	0.00	0.02	0.02	0.02
Col1	28	0.01	0.00	0.01	0.02	0.02
Col1	29	0.01	0.00	0.01	0.02	0.02
Col1	30	0.03	0.00	0.00	0.03	0.03
Col1	31	0.03	0.00	0.02	0.04	0.04
Col1	32	0.03	0.00	0.01	0.04	0.04
Col1	33	0.03	0.00	0.02	0.04	0.04
Col1	34	0.03	0.00	0.01	0.04	0.04
Col1	35	0.03	0.00	0.02	0.04	0.04
Col1	36	0.03	0.00	0.01	0.04	0.04
Col1	37	0.03	0.00	0.02	0.04	0.04
Col1	38	0.03	0.00	0.01	0.04	0.04
Col1	39	0.03	0.00	0.02	0.04	0.04
Col1	40	0.03	0.00	0.02	0.04	0.04
Col1	41	0.03	0.00	0.01	0.04	0.04
Col1	42	0.03	0.00	0.01	0.04	0.04
Col1	43	0.03	0.00	0.00	0.03	0.03
Col1	44	0.03	0.00	0.02	0.04	0.04
Col1	45	0.03	0.00	0.01	0.03	0.03
Col1	46	0.03	0.00	0.02	0.04	0.04
Col1	47	0.03	0.00	0.01	0.03	0.03
Col1	48	0.03	0.00	0.02	0.04	0.04
Col1	49	0.03	0.00	0.01	0.04	0.04
Col1	50	0.03	0.00	0.02	0.04	0.04
Col1	51	0.03	0.00	0.01	0.04	0.04
Col1	52	0.03	0.00	0.02	0.04	0.04
Col1	53	0.03	0.00	0.02	0.04	0.04
Col1	54	0.03	0.00	0.01	0.03	0.03
Col1	55	0.03	0.00	0.01	0.03	0.03
Col1	56	0.00	0.01	0.04	0.04	0.04

			Job No	011467_RF		**Date**	3/26/2024	
			Customer	Norsteel Buildings		**Designed By**	MQZ	
			Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0				
Col1	57	0.00	0.01	0.04	0.04	0.04		
Col1	58	0.00	0.02	0.05	0.06	0.06		
Col1	59	0.00	0.02	0.05	0.06	0.06		
Col1	60	0.01	0.01	0.04	0.04	0.04		
Col1	61	0.01	0.02	0.05	0.05	0.05		
Col1	62	0.00	0.02	0.05	0.06	0.06		
Col1	63	0.00	0.02	0.05	0.06	0.06		
Col1	64	0.00	0.01	0.04	0.04	0.04		
Col1	65	0.00	0.01	0.04	0.04	0.04		
Col1	66	0.00	0.02	0.05	0.05	0.05		
Col1	67	0.01	0.01	0.04	0.04	0.04		
Col1	68	0.00	0.01	0.04	0.04	0.04		
Col1	69	0.01	0.02	0.05	0.05	0.05		
Col1	70	0.00	0.01	0.04	0.04	0.04		
Col1	71	0.00	0.01	0.04	0.04	0.04		
Col1	72	0.00	0.02	0.05	0.06	0.06		
Col1	73	0.00	0.02	0.05	0.05	0.05		
Col1	74	0.01	0.01	0.04	0.04	0.04		
Col1	75	0.01	0.02	0.05	0.05	0.05		
Col1	76	0.00	0.02	0.05	0.06	0.06		
Col1	77	0.00	0.02	0.05	0.06	0.06		
Col1	78	0.00	0.01	0.04	0.04	0.04		
Col1	79	0.00	0.01	0.04	0.04	0.04		
Col1	80	0.01	0.02	0.05	0.05	0.05		
Col1	81	0.01	0.01	0.04	0.04	0.04		
Col1	82	0.01	0.01	0.04	0.04	0.04		
Col1	83	0.01	0.02	0.05	0.05	0.05		
Col1	84	0.00	0.01	0.04	0.04	0.04		
Col1	85	0.01	0.01	0.04	0.04	0.04		
Col1	86	0.00	0.02	0.05	0.05	0.05		
Col1	87	0.01	0.02	0.05	0.05	0.05		
Col1	88	0.01	0.01	0.04	0.04	0.04		
Col1	89	0.01	0.02	0.05	0.06	0.06		
Col1	90	0.00	0.02	0.05	0.05	0.05		
Col1	91	0.00	0.02	0.05	0.05	0.05		
Col1	92	0.00	0.01	0.04	0.04	0.04		
Col1	93	0.00	0.01	0.04	0.04	0.04		
Col1	94	0.01	0.02	0.05	0.06	0.06		
Col1	95	0.01	0.01	0.04	0.04	0.04		
Col1	96	0.01	0.01	0.04	0.04	0.04		
Col1	97	0.01	0.02	0.05	0.06	0.06		
Col1	98	0.01	0.01	0.04	0.04	0.04		
Col1	99	0.00	0.01	0.04	0.04	0.04		
Col1	100	0.01	0.02	0.05	0.06	0.06		
Col1	101	0.00	0.02	0.05	0.06	0.06		
Col1	102	0.00	0.01	0.04	0.04	0.04		
Col1	103	0.00	0.02	0.05	0.05	0.05		
Col1	104	0.01	0.02	0.05	0.06	0.06		
Col1	105	0.01	0.02	0.05	0.06	0.06		
Col1	106	0.01	0.01	0.04	0.04	0.04		
Col1	107	0.01	0.01	0.04	0.04	0.04		
Col1	108	0.00	0.02	0.05	0.06	0.06		
Col1	109	0.00	0.01	0.04	0.04	0.04		
Col1	110	0.00	0.01	0.04	0.04	0.04		

			Job No	011467_RF		**Date**	3/26/2024	
			Customer	Norsteel Buildings		**Designed By**	MQZ	
			Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0				
Col1	111	0.00	0.02	0.05	0.05	0.05		
Col1	112	0.00	0.01	0.04	0.04	0.04		
Col1	113	0.00	0.01	0.04	0.04	0.04		
Col1	114	0.00	0.02	0.05	0.06	0.06		
Col1	115	0.00	0.02	0.05	0.06	0.06		
Col1	116	0.01	0.01	0.04	0.04	0.04		
Col1	117	0.01	0.02	0.05	0.05	0.05		
Col1	118	0.00	0.02	0.05	0.06	0.06		
Col1	119	0.00	0.02	0.05	0.06	0.06		
Col1	120	0.00	0.01	0.04	0.04	0.04		
Col1	121	0.00	0.01	0.04	0.04	0.04		
Col1	122	0.00	0.02	0.05	0.05	0.05		
Col1	123	0.01	0.01	0.04	0.04	0.04		
Col1	124	0.00	0.01	0.04	0.04	0.04		
Col1	125	0.01	0.02	0.05	0.05	0.05		
Col1	126	0.00	0.01	0.04	0.04	0.04		
Col1	127	0.00	0.01	0.04	0.04	0.04		
Col1	128	0.00	0.02	0.05	0.05	0.05		
Col1	129	0.00	0.02	0.05	0.05	0.05		
Col1	130	0.01	0.01	0.04	0.04	0.04		
Col1	131	0.01	0.02	0.05	0.06	0.06		
Col1	132	0.00	0.02	0.05	0.05	0.05		
Col1	133	0.00	0.02	0.05	0.05	0.05		
Col1	134	0.00	0.01	0.04	0.04	0.04		
Col1	135	0.00	0.01	0.04	0.04	0.04		
Col1	136	0.01	0.02	0.05	0.05	0.05		
Col1	137	0.01	0.01	0.04	0.04	0.04		
Col1	138	0.01	0.01	0.04	0.04	0.04		
Col1	139	0.01	0.02	0.05	0.06	0.06		
Col1	140	0.00	0.00	0.00	0.00	0.00		
Col1	141	0.00	0.00	0.00	0.00	0.00		
Col1	142	0.01	0.00	0.00	0.01	0.01		
Col1	143	0.01	0.00	0.00	0.01	0.01		
Col1	144	0.03	0.00	0.00	0.03	0.03		
Col1	145	0.02	0.00	0.00	0.02	0.02		
Col1	146	0.01	0.00	0.00	0.01	0.01		
Col1	147	0.01	0.00	0.00	0.01	0.01		
Col1	148	0.02	0.00	0.00	0.02	0.02		
Col1	149	0.02	0.00	0.00	0.02	0.02		
Col1	150	0.02	0.00	0.00	0.02	0.02		
Col1	151	0.01	0.00	0.00	0.01	0.01		
Col1	152	0.01	0.00	0.00	0.01	0.01		
Col1	153	0.01	0.00	0.00	0.01	0.01		
Col1	154	0.01	0.00	0.00	0.01	0.01		
Col1	155	0.01	0.00	0.00	0.01	0.01		
Col1	156	0.01	0.00	0.00	0.01	0.01		
Col1	157	0.01	0.00	0.00	0.01	0.01		
Col1	158	0.01	0.00	0.00	0.01	0.01		
Col1	159	0.01	0.00	0.00	0.01	0.01		
Col1	160	0.03	0.00	0.00	0.03	0.03		
Col1	161	0.03	0.00	0.00	0.03	0.03		
Col1	162	0.03	0.00	0.00	0.03	0.03		
Col1	163	0.03	0.00	0.00	0.03	0.03		
Col1	164	0.03	0.00	0.00	0.03	0.03		

			Job No	011467_RF		**Date**	3/26/2024	
			Customer	Norsteel Buildings		**Designed By**	MQZ	
			Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0				

Col1	165	0.03	0.00	0.00	0.03	0.03
Col1	166	0.03	0.00	0.00	0.03	0.03
Col1	167	0.03	0.00	0.00	0.03	0.03
Col1	168	0.03	0.00	0.00	0.03	0.03
Col1	169	0.03	0.00	0.00	0.03	0.03
Col1	170	0.03	0.00	0.00	0.03	0.03
Col1	171	0.03	0.00	0.00	0.03	0.03
Col1	172	0.00	0.00	0.00	0.00	0.00
Col1	173	0.00	0.00	0.00	0.00	0.00
Col1	174	0.00	0.00	0.00	0.00	0.00
Col1	175	0.01	0.00	0.00	0.01	0.01
Col1	176	0.00	0.00	0.00	0.00	0.00
Col1	177	0.00	0.00	0.00	0.00	0.00
Col1	178	0.00	0.00	0.00	0.00	0.00
Col1	179	0.00	0.00	0.00	0.00	0.00
Col1	180	0.01	0.00	0.00	0.01	0.01
Col1	181	0.01	0.00	0.00	0.01	0.01
Col1	182	0.00	0.00	0.00	0.00	0.00
Col1	183	0.00	0.00	0.00	0.00	0.00
Col1	184	0.00	0.00	0.00	0.00	0.00
Col1	185	0.01	0.00	0.00	0.01	0.01
Col1	186	0.01	0.00	0.00	0.01	0.01
Col1	187	0.01	0.00	0.00	0.01	0.01
Col1	188	0.00	0.00	0.00	0.00	0.00
Col1	189	0.00	0.00	0.00	0.00	0.00
Col1	190	0.01	0.00	0.00	0.01	0.01
Col1	191	0.00	0.00	0.00	0.00	0.00
Col1	192	0.00	0.00	0.00	0.00	0.00
Col1	193	0.00	0.00	0.00	0.00	0.00
Col1	194	0.01	0.00	0.00	0.01	0.01
Col1	195	0.01	0.00	0.00	0.01	0.01
Col1	196	0.00	0.00	0.00	0.00	0.00
Col1	197	0.00	0.00	0.00	0.00	0.00
Col1	198	0.00	0.00	0.00	0.00	0.00
Col1	199	0.01	0.00	0.00	0.01	0.01
Col1	200	0.00	0.00	0.00	0.00	0.00
Col1	201	0.00	0.00	0.00	0.00	0.00
Col1	202	0.00	0.00	0.00	0.00	0.00
Col1	203	0.00	0.00	0.00	0.00	0.00
Col1	204	0.01	0.00	0.00	0.01	0.01
Col1	205	0.01	0.00	0.00	0.01	0.01
Col1	206	0.00	0.00	0.00	0.00	0.00
Col1	207	0.00	0.00	0.00	0.00	0.00
Col1	208	0.01	0.00	0.00	0.01	0.01
Col1	209	0.01	0.00	0.00	0.01	0.01
Col2	1	0.04	0.00	0.00	0.04	0.04
Col2	2	0.01	0.00	0.00	0.01	0.01
Col2	3	0.06	0.00	0.00	0.06	0.06
Col2	4	0.03	0.01	0.03	0.06	0.06
Col2	5	0.03	0.01	0.02	0.05	0.05
Col2	6	0.04	0.01	0.03	0.06	0.06
Col2	7	0.04	0.01	0.02	0.06	0.06
Col2	8	0.04	0.01	0.03	0.06	0.06
Col2	9	0.04	0.01	0.02	0.05	0.05

				Job No	011467_RF		**Date**	3/26/2024	
				Customer	Norsteel Buildings		**Designed By**	MQZ	
				Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0				
Col2	10	0.05	0.01	0.03	0.07	0.07			
Col2	11	0.05	0.01	0.02	0.06	0.06			
Col2	12	0.03	0.01	0.03	0.06	0.06			
Col2	13	0.03	0.01	0.03	0.06	0.06			
Col2	14	0.03	0.01	0.02	0.05	0.05			
Col2	15	0.03	0.01	0.02	0.05	0.05			
Col2	16	0.04	0.00	0.00	0.04	0.04			
Col2	17	0.05	0.00	0.00	0.05	0.05			
Col2	18	0.03	0.01	0.03	0.05	0.05			
Col2	19	0.03	0.01	0.02	0.04	0.04			
Col2	20	0.04	0.01	0.03	0.06	0.06			
Col2	21	0.04	0.01	0.02	0.05	0.05			
Col2	22	0.03	0.01	0.03	0.06	0.06			
Col2	23	0.03	0.01	0.02	0.05	0.05			
Col2	24	0.04	0.01	0.03	0.06	0.06			
Col2	25	0.04	0.01	0.02	0.06	0.06			
Col2	26	0.03	0.01	0.03	0.05	0.05			
Col2	27	0.03	0.01	0.03	0.05	0.05			
Col2	28	0.03	0.01	0.02	0.04	0.04			
Col2	29	0.03	0.01	0.02	0.04	0.04			
Col2	30	0.08	0.00	0.00	0.08	0.08			
Col2	31	0.07	0.01	0.03	0.09	0.09			
Col2	32	0.07	0.01	0.02	0.09	0.09			
Col2	33	0.08	0.01	0.03	0.10	0.10			
Col2	34	0.08	0.01	0.02	0.10	0.10			
Col2	35	0.08	0.01	0.03	0.10	0.10			
Col2	36	0.08	0.01	0.02	0.09	0.09			
Col2	37	0.09	0.01	0.03	0.11	0.11			
Col2	38	0.09	0.01	0.02	0.10	0.10			
Col2	39	0.07	0.01	0.03	0.09	0.09			
Col2	40	0.07	0.01	0.03	0.09	0.09			
Col2	41	0.07	0.01	0.02	0.09	0.09			
Col2	42	0.07	0.01	0.02	0.09	0.09			
Col2	43	0.07	0.00	0.00	0.07	0.07			
Col2	44	0.07	0.01	0.03	0.09	0.09			
Col2	45	0.07	0.01	0.02	0.08	0.08			
Col2	46	0.08	0.01	0.03	0.10	0.10			
Col2	47	0.08	0.01	0.02	0.09	0.09			
Col2	48	0.07	0.01	0.03	0.09	0.09			
Col2	49	0.07	0.01	0.02	0.09	0.09			
Col2	50	0.08	0.01	0.03	0.10	0.10			
Col2	51	0.08	0.01	0.02	0.09	0.09			
Col2	52	0.07	0.01	0.03	0.09	0.09			
Col2	53	0.07	0.01	0.03	0.09	0.09			
Col2	54	0.07	0.01	0.02	0.08	0.08			
Col2	55	0.07	0.01	0.02	0.08	0.08			
Col2	56	0.01	0.02	0.08	0.09	0.09			
Col2	57	0.02	0.02	0.08	0.08	0.08			
Col2	58	0.01	0.03	0.12	0.13	0.13			
Col2	59	0.02	0.03	0.12	0.12	0.12			
Col2	60	0.01	0.02	0.08	0.08	0.08			
Col2	61	0.01	0.03	0.12	0.12	0.12			
Col2	62	0.01	0.03	0.12	0.12	0.12			
Col2	63	0.01	0.03	0.12	0.12	0.12			

				Job No	011467_RF		**Date**	3/26/2024	
				Customer	Norsteel Buildings		**Designed By**	MQZ	
				Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0				
Col2	64	0.01	0.02	0.08	0.09	0.09			
Col2	65	0.01	0.02	0.08	0.09	0.09			
Col2	66	0.00	0.03	0.12	0.12	0.12			
Col2	67	0.03	0.02	0.08	0.10	0.10			
Col2	68	0.00	0.02	0.08	0.08	0.08			
Col2	69	0.03	0.03	0.12	0.13	0.13			
Col2	70	0.01	0.02	0.08	0.09	0.09			
Col2	71	0.03	0.02	0.08	0.09	0.09			
Col2	72	0.01	0.03	0.12	0.12	0.12			
Col2	73	0.03	0.03	0.12	0.12	0.12			
Col2	74	0.02	0.02	0.08	0.09	0.09			
Col2	75	0.02	0.03	0.12	0.12	0.12			
Col2	76	0.00	0.03	0.12	0.12	0.12			
Col2	77	0.00	0.03	0.12	0.12	0.12			
Col2	78	0.00	0.02	0.08	0.08	0.08			
Col2	79	0.00	0.02	0.08	0.08	0.08			
Col2	80	0.01	0.03	0.12	0.12	0.12			
Col2	81	0.04	0.02	0.08	0.10	0.10			
Col2	82	0.01	0.02	0.08	0.08	0.08			
Col2	83	0.04	0.03	0.12	0.13	0.13			
Col2	84	0.01	0.02	0.08	0.08	0.08			
Col2	85	0.04	0.02	0.08	0.10	0.10			
Col2	86	0.01	0.03	0.12	0.12	0.12			
Col2	87	0.04	0.03	0.12	0.13	0.13			
Col2	88	0.03	0.02	0.08	0.10	0.10			
Col2	89	0.03	0.03	0.12	0.13	0.13			
Col2	90	0.01	0.03	0.12	0.12	0.12			
Col2	91	0.01	0.03	0.12	0.12	0.12			
Col2	92	0.01	0.02	0.08	0.08	0.08			
Col2	93	0.01	0.02	0.08	0.08	0.08			
Col2	94	0.02	0.03	0.12	0.12	0.12			
Col2	95	0.05	0.02	0.08	0.12	0.12			
Col2	96	0.02	0.02	0.08	0.09	0.09			
Col2	97	0.05	0.03	0.12	0.15	0.15			
Col2	98	0.01	0.02	0.08	0.09	0.09			
Col2	99	0.01	0.02	0.08	0.08	0.08			
Col2	100	0.01	0.03	0.12	0.13	0.13			
Col2	101	0.01	0.03	0.12	0.12	0.12			
Col2	102	0.01	0.02	0.08	0.08	0.08			
Col2	103	0.01	0.03	0.12	0.12	0.12			
Col2	104	0.01	0.03	0.12	0.13	0.13			
Col2	105	0.01	0.03	0.12	0.13	0.13			
Col2	106	0.01	0.02	0.08	0.09	0.09			
Col2	107	0.01	0.02	0.08	0.09	0.09			
Col2	108	0.00	0.03	0.12	0.12	0.12			
Col2	109	0.02	0.02	0.08	0.09	0.09			
Col2	110	0.00	0.02	0.08	0.09	0.09			
Col2	111	0.02	0.03	0.12	0.12	0.12			
Col2	112	0.01	0.02	0.08	0.09	0.09			
Col2	113	0.02	0.02	0.08	0.09	0.09			
Col2	114	0.01	0.03	0.12	0.12	0.12			
Col2	115	0.02	0.03	0.12	0.12	0.12			
Col2	116	0.02	0.02	0.08	0.08	0.08			
Col2	117	0.02	0.03	0.12	0.12	0.12			

				Job No	011467_RF		**Date**	3/26/2024	
				Customer	Norsteel Buildings		**Designed By**	MQZ	
				Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0				
Col2	118	0.00	0.03	0.12	0.12	0.12			
Col2	119	0.00	0.03	0.12	0.12	0.12			
Col2	120	0.00	0.02	0.08	0.08	0.08			
Col2	121	0.00	0.02	0.08	0.08	0.08			
Col2	122	0.00	0.03	0.12	0.12	0.12			
Col2	123	0.03	0.02	0.08	0.10	0.10			
Col2	124	0.00	0.02	0.08	0.08	0.08			
Col2	125	0.03	0.03	0.12	0.13	0.13			
Col2	126	0.00	0.02	0.08	0.08	0.08			
Col2	127	0.03	0.02	0.08	0.10	0.10			
Col2	128	0.00	0.03	0.12	0.12	0.12			
Col2	129	0.03	0.03	0.12	0.13	0.13			
Col2	130	0.03	0.02	0.08	0.09	0.09			
Col2	131	0.03	0.03	0.12	0.12	0.12			
Col2	132	0.01	0.03	0.12	0.12	0.12			
Col2	133	0.01	0.03	0.12	0.12	0.12			
Col2	134	0.01	0.02	0.08	0.08	0.08			
Col2	135	0.01	0.02	0.08	0.08	0.08			
Col2	136	0.02	0.03	0.12	0.12	0.12			
Col2	137	0.05	0.02	0.08	0.11	0.11			
Col2	138	0.02	0.02	0.08	0.08	0.08			
Col2	139	0.05	0.03	0.12	0.14	0.14			
Col2	140	0.01	0.00	0.00	0.01	0.01			
Col2	141	0.02	0.00	0.00	0.02	0.02			
Col2	142	0.02	0.00	0.00	0.02	0.02			
Col2	143	0.03	0.00	0.00	0.03	0.03			
Col2	144	0.08	0.00	0.00	0.08	0.08			
Col2	145	0.05	0.00	0.00	0.05	0.05			
Col2	146	0.03	0.00	0.00	0.03	0.03			
Col2	147	0.03	0.00	0.00	0.03	0.03			
Col2	148	0.04	0.00	0.00	0.04	0.04			
Col2	149	0.04	0.00	0.00	0.04	0.04			
Col2	150	0.05	0.00	0.00	0.05	0.05			
Col2	151	0.03	0.00	0.00	0.03	0.03			
Col2	152	0.03	0.00	0.00	0.03	0.03			
Col2	153	0.03	0.00	0.00	0.03	0.03			
Col2	154	0.03	0.00	0.00	0.03	0.03			
Col2	155	0.04	0.00	0.00	0.04	0.04			
Col2	156	0.03	0.00	0.00	0.03	0.03			
Col2	157	0.04	0.00	0.00	0.04	0.04			
Col2	158	0.03	0.00	0.00	0.03	0.03			
Col2	159	0.03	0.00	0.00	0.03	0.03			
Col2	160	0.07	0.00	0.00	0.07	0.07			
Col2	161	0.08	0.00	0.00	0.08	0.08			
Col2	162	0.08	0.00	0.00	0.08	0.08			
Col2	163	0.09	0.00	0.00	0.09	0.09			
Col2	164	0.07	0.00	0.00	0.07	0.07			
Col2	165	0.07	0.00	0.00	0.07	0.07			
Col2	166	0.07	0.00	0.00	0.07	0.07			
Col2	167	0.08	0.00	0.00	0.08	0.08			
Col2	168	0.07	0.00	0.00	0.07	0.07			
Col2	169	0.08	0.00	0.00	0.08	0.08			
Col2	170	0.07	0.00	0.00	0.07	0.07			
Col2	171	0.07	0.00	0.00	0.07	0.07			

			Job No	011467_RF		**Date**	3/26/2024	
			Customer	Norsteel Buildings		**Designed By**	MQZ	
			Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0				

Col2	172	0.01	0.00	0.00	0.01	0.01
Col2	173	0.02	0.00	0.00	0.02	0.02
Col2	174	0.00	0.00	0.00	0.00	0.00
Col2	175	0.03	0.00	0.00	0.03	0.03
Col2	176	0.01	0.00	0.00	0.01	0.01
Col2	177	0.01	0.00	0.00	0.01	0.01
Col2	178	0.01	0.00	0.00	0.01	0.01
Col2	179	0.03	0.00	0.00	0.03	0.03
Col2	180	0.01	0.00	0.00	0.01	0.01
Col2	181	0.04	0.00	0.00	0.04	0.04
Col2	182	0.00	0.00	0.00	0.00	0.00
Col2	183	0.00	0.00	0.00	0.00	0.00
Col2	184	0.01	0.00	0.00	0.01	0.01
Col2	185	0.04	0.00	0.00	0.04	0.04
Col2	186	0.02	0.00	0.00	0.02	0.02
Col2	187	0.05	0.00	0.00	0.05	0.05
Col2	188	0.01	0.00	0.00	0.01	0.01
Col2	189	0.01	0.00	0.00	0.01	0.01
Col2	190	0.01	0.00	0.00	0.01	0.01
Col2	191	0.01	0.00	0.00	0.01	0.01
Col2	192	0.00	0.00	0.00	0.00	0.00
Col2	193	0.02	0.00	0.00	0.02	0.02
Col2	194	0.01	0.00	0.00	0.01	0.01
Col2	195	0.01	0.00	0.00	0.01	0.01
Col2	196	0.01	0.00	0.00	0.01	0.01
Col2	197	0.02	0.00	0.00	0.02	0.02
Col2	198	0.00	0.00	0.00	0.00	0.00
Col2	199	0.03	0.00	0.00	0.03	0.03
Col2	200	0.00	0.00	0.00	0.00	0.00
Col2	201	0.00	0.00	0.00	0.00	0.00
Col2	202	0.00	0.00	0.00	0.00	0.00
Col2	203	0.03	0.00	0.00	0.03	0.03
Col2	204	0.02	0.00	0.00	0.02	0.02
Col2	205	0.05	0.00	0.00	0.05	0.05
Col2	206	0.01	0.00	0.00	0.01	0.01
Col2	207	0.01	0.00	0.00	0.01	0.01
Col2	208	0.02	0.00	0.00	0.02	0.02
Col2	209	0.03	0.00	0.00	0.03	0.03
Col3	1	0.04	0.00	0.00	0.04	0.04
Col3	2	0.01	0.00	0.00	0.01	0.01
Col3	3	0.06	0.00	0.00	0.06	0.06
Col3	4	0.04	0.01	0.04	0.06	0.06
Col3	5	0.04	0.01	0.03	0.05	0.05
Col3	6	0.04	0.01	0.04	0.06	0.06
Col3	7	0.04	0.01	0.03	0.05	0.05
Col3	8	0.04	0.01	0.04	0.07	0.07
Col3	9	0.04	0.01	0.03	0.06	0.06
Col3	10	0.04	0.01	0.04	0.07	0.07
Col3	11	0.04	0.01	0.03	0.06	0.06
Col3	12	0.03	0.01	0.04	0.06	0.06
Col3	13	0.03	0.01	0.04	0.06	0.06
Col3	14	0.03	0.01	0.03	0.05	0.05
Col3	15	0.03	0.01	0.03	0.05	0.05
Col3	16	0.04	0.00	0.00	0.04	0.04

				Job No	011467_RF		**Date**	3/26/2024	
				Customer	Norsteel Buildings		**Designed By**	MQZ	
				Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0				
Col3	17	0.05	0.00	0.00	0.05	0.05			
Col3	18	0.03	0.01	0.04	0.06	0.06			
Col3	19	0.03	0.01	0.03	0.05	0.05			
Col3	20	0.03	0.01	0.04	0.06	0.06			
Col3	21	0.03	0.01	0.03	0.05	0.05			
Col3	22	0.04	0.01	0.04	0.06	0.06			
Col3	23	0.04	0.01	0.03	0.05	0.05			
Col3	24	0.03	0.01	0.04	0.06	0.06			
Col3	25	0.03	0.01	0.03	0.05	0.05			
Col3	26	0.03	0.01	0.04	0.06	0.06			
Col3	27	0.03	0.01	0.04	0.06	0.06			
Col3	28	0.03	0.01	0.03	0.05	0.05			
Col3	29	0.03	0.01	0.03	0.05	0.05			
Col3	30	0.08	0.00	0.00	0.08	0.08			
Col3	31	0.07	0.01	0.04	0.10	0.10			
Col3	32	0.07	0.01	0.03	0.09	0.09			
Col3	33	0.08	0.01	0.04	0.10	0.10			
Col3	34	0.08	0.01	0.03	0.09	0.09			
Col3	35	0.08	0.01	0.04	0.10	0.10			
Col3	36	0.08	0.01	0.03	0.10	0.10			
Col3	37	0.08	0.01	0.04	0.10	0.10			
Col3	38	0.08	0.01	0.03	0.10	0.10			
Col3	39	0.07	0.01	0.04	0.10	0.10			
Col3	40	0.07	0.01	0.04	0.10	0.10			
Col3	41	0.07	0.01	0.03	0.09	0.09			
Col3	42	0.07	0.01	0.03	0.09	0.09			
Col3	43	0.07	0.00	0.00	0.07	0.07			
Col3	44	0.07	0.01	0.04	0.09	0.09			
Col3	45	0.07	0.01	0.03	0.09	0.09			
Col3	46	0.07	0.01	0.04	0.09	0.09			
Col3	47	0.07	0.01	0.03	0.09	0.09			
Col3	48	0.07	0.01	0.04	0.10	0.10			
Col3	49	0.07	0.01	0.03	0.09	0.09			
Col3	50	0.07	0.01	0.04	0.10	0.10			
Col3	51	0.07	0.01	0.03	0.09	0.09			
Col3	52	0.07	0.01	0.04	0.09	0.09			
Col3	53	0.07	0.01	0.04	0.09	0.09			
Col3	54	0.07	0.01	0.03	0.08	0.08			
Col3	55	0.07	0.01	0.03	0.08	0.08			
Col3	56	0.01	0.03	0.09	0.10	0.10			
Col3	57	0.00	0.03	0.09	0.10	0.10			
Col3	58	0.01	0.04	0.13	0.14	0.14			
Col3	59	0.00	0.04	0.13	0.14	0.14			
Col3	60	0.01	0.03	0.09	0.09	0.09			
Col3	61	0.01	0.04	0.13	0.13	0.13			
Col3	62	0.01	0.04	0.13	0.14	0.14			
Col3	63	0.01	0.04	0.13	0.14	0.14			
Col3	64	0.01	0.03	0.09	0.10	0.10			
Col3	65	0.01	0.03	0.09	0.10	0.10			
Col3	66	0.01	0.04	0.13	0.13	0.13			
Col3	67	0.01	0.03	0.09	0.09	0.09			
Col3	68	0.01	0.03	0.09	0.09	0.09			
Col3	69	0.01	0.04	0.13	0.13	0.13			
Col3	70	0.00	0.03	0.09	0.09	0.09			

			Job No	011467_RF		**Date**	3/26/2024	
			Customer	Norsteel Buildings		**Designed By**	MQZ	
			Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0				
Col3	71	0.00	0.03	0.09	0.09	0.09		
Col3	72	0.00	0.04	0.13	0.13	0.13		
Col3	73	0.00	0.04	0.13	0.13	0.13		
Col3	74	0.02	0.03	0.09	0.10	0.10		
Col3	75	0.02	0.04	0.13	0.13	0.13		
Col3	76	0.01	0.04	0.13	0.14	0.14		
Col3	77	0.01	0.04	0.13	0.14	0.14		
Col3	78	0.01	0.03	0.09	0.10	0.10		
Col3	79	0.01	0.03	0.09	0.10	0.10		
Col3	80	0.02	0.04	0.13	0.13	0.13		
Col3	81	0.02	0.03	0.09	0.10	0.10		
Col3	82	0.02	0.03	0.09	0.10	0.10		
Col3	83	0.02	0.04	0.13	0.13	0.13		
Col3	84	0.02	0.03	0.09	0.09	0.09		
Col3	85	0.02	0.03	0.09	0.09	0.09		
Col3	86	0.02	0.04	0.13	0.13	0.13		
Col3	87	0.02	0.04	0.13	0.13	0.13		
Col3	88	0.03	0.03	0.09	0.11	0.11		
Col3	89	0.03	0.04	0.13	0.14	0.14		
Col3	90	0.01	0.04	0.13	0.13	0.13		
Col3	91	0.01	0.04	0.13	0.13	0.13		
Col3	92	0.01	0.03	0.09	0.09	0.09		
Col3	93	0.01	0.03	0.09	0.09	0.09		
Col3	94	0.03	0.04	0.13	0.14	0.14		
Col3	95	0.03	0.03	0.09	0.11	0.11		
Col3	96	0.03	0.03	0.09	0.11	0.11		
Col3	97	0.03	0.04	0.13	0.14	0.14		
Col3	98	0.01	0.03	0.09	0.10	0.10		
Col3	99	0.01	0.03	0.09	0.10	0.10		
Col3	100	0.01	0.04	0.13	0.14	0.14		
Col3	101	0.01	0.04	0.13	0.14	0.14		
Col3	102	0.01	0.03	0.09	0.09	0.09		
Col3	103	0.01	0.04	0.13	0.13	0.13		
Col3	104	0.01	0.04	0.13	0.15	0.15		
Col3	105	0.01	0.04	0.13	0.15	0.15		
Col3	106	0.01	0.03	0.09	0.11	0.11		
Col3	107	0.01	0.03	0.09	0.11	0.11		
Col3	108	0.01	0.04	0.13	0.13	0.13		
Col3	109	0.00	0.03	0.09	0.09	0.09		
Col3	110	0.01	0.03	0.09	0.09	0.09		
Col3	111	0.00	0.04	0.13	0.13	0.13		
Col3	112	0.00	0.03	0.09	0.09	0.09		
Col3	113	0.00	0.03	0.09	0.09	0.09		
Col3	114	0.00	0.04	0.13	0.13	0.13		
Col3	115	0.00	0.04	0.13	0.13	0.13		
Col3	116	0.02	0.03	0.09	0.09	0.09		
Col3	117	0.02	0.04	0.13	0.13	0.13		
Col3	118	0.01	0.04	0.13	0.14	0.14		
Col3	119	0.01	0.04	0.13	0.14	0.14		
Col3	120	0.01	0.03	0.09	0.10	0.10		
Col3	121	0.01	0.03	0.09	0.10	0.10		
Col3	122	0.02	0.04	0.13	0.13	0.13		
Col3	123	0.01	0.03	0.09	0.09	0.09		
Col3	124	0.02	0.03	0.09	0.09	0.09		

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col3	125	0.01	0.04	0.13	0.13	0.13
Col3	126	0.01	0.03	0.09	0.09	0.09
Col3	127	0.01	0.03	0.09	0.09	0.09
Col3	128	0.01	0.04	0.13	0.13	0.13
Col3	129	0.01	0.04	0.13	0.13	0.13
Col3	130	0.03	0.03	0.09	0.10	0.10
Col3	131	0.03	0.04	0.13	0.14	0.14
Col3	132	0.00	0.04	0.13	0.13	0.13
Col3	133	0.00	0.04	0.13	0.13	0.13
Col3	134	0.00	0.03	0.09	0.09	0.09
Col3	135	0.00	0.03	0.09	0.09	0.09
Col3	136	0.03	0.04	0.13	0.14	0.14
Col3	137	0.03	0.03	0.09	0.10	0.10
Col3	138	0.03	0.03	0.09	0.10	0.10
Col3	139	0.03	0.04	0.13	0.14	0.14
Col3	140	0.02	0.00	0.00	0.02	0.02
Col3	141	0.01	0.00	0.00	0.01	0.01
Col3	142	0.03	0.00	0.00	0.03	0.03
Col3	143	0.02	0.00	0.00	0.02	0.02
Col3	144	0.05	0.00	0.00	0.05	0.05
Col3	145	0.08	0.00	0.00	0.08	0.08
Col3	146	0.03	0.00	0.00	0.03	0.03
Col3	147	0.04	0.00	0.00	0.04	0.04
Col3	148	0.04	0.00	0.00	0.04	0.04
Col3	149	0.04	0.00	0.00	0.04	0.04
Col3	150	0.04	0.00	0.00	0.04	0.04
Col3	151	0.03	0.00	0.00	0.03	0.03
Col3	152	0.03	0.00	0.00	0.03	0.03
Col3	153	0.03	0.00	0.00	0.03	0.03
Col3	154	0.03	0.00	0.00	0.03	0.03
Col3	155	0.03	0.00	0.00	0.03	0.03
Col3	156	0.04	0.00	0.00	0.04	0.04
Col3	157	0.03	0.00	0.00	0.03	0.03
Col3	158	0.03	0.00	0.00	0.03	0.03
Col3	159	0.03	0.00	0.00	0.03	0.03
Col3	160	0.07	0.00	0.00	0.07	0.07
Col3	161	0.08	0.00	0.00	0.08	0.08
Col3	162	0.08	0.00	0.00	0.08	0.08
Col3	163	0.08	0.00	0.00	0.08	0.08
Col3	164	0.07	0.00	0.00	0.07	0.07
Col3	165	0.07	0.00	0.00	0.07	0.07
Col3	166	0.07	0.00	0.00	0.07	0.07
Col3	167	0.07	0.00	0.00	0.07	0.07
Col3	168	0.07	0.00	0.00	0.07	0.07
Col3	169	0.07	0.00	0.00	0.07	0.07
Col3	170	0.07	0.00	0.00	0.07	0.07
Col3	171	0.07	0.00	0.00	0.07	0.07
Col3	172	0.01	0.00	0.00	0.01	0.01
Col3	173	0.00	0.00	0.00	0.00	0.00
Col3	174	0.01	0.00	0.00	0.01	0.01
Col3	175	0.01	0.00	0.00	0.01	0.01
Col3	176	0.01	0.00	0.00	0.01	0.01
Col3	177	0.01	0.00	0.00	0.01	0.01
Col3	178	0.00	0.00	0.00	0.00	0.00

		Job No	011467_RF	**Date**	3/26/2024	
		Customer	Norsteel Buildings	**Designed By**	MQZ	
		Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0			

Col3	179	0.00	0.00	0.00	0.00	0.00
Col3	180	0.02	0.00	0.00	0.02	0.02
Col3	181	0.02	0.00	0.00	0.02	0.02
Col3	182	0.01	0.00	0.00	0.01	0.01
Col3	183	0.01	0.00	0.00	0.01	0.01
Col3	184	0.02	0.00	0.00	0.02	0.02
Col3	185	0.02	0.00	0.00	0.02	0.02
Col3	186	0.03	0.00	0.00	0.03	0.03
Col3	187	0.03	0.00	0.00	0.03	0.03
Col3	188	0.01	0.00	0.00	0.01	0.01
Col3	189	0.01	0.00	0.00	0.01	0.01
Col3	190	0.01	0.00	0.00	0.01	0.01
Col3	191	0.01	0.00	0.00	0.01	0.01
Col3	192	0.01	0.00	0.00	0.01	0.01
Col3	193	0.00	0.00	0.00	0.00	0.00
Col3	194	0.01	0.00	0.00	0.01	0.01
Col3	195	0.01	0.00	0.00	0.01	0.01
Col3	196	0.00	0.00	0.00	0.00	0.00
Col3	197	0.00	0.00	0.00	0.00	0.00
Col3	198	0.02	0.00	0.00	0.02	0.02
Col3	199	0.01	0.00	0.00	0.01	0.01
Col3	200	0.01	0.00	0.00	0.01	0.01
Col3	201	0.01	0.00	0.00	0.01	0.01
Col3	202	0.01	0.00	0.00	0.01	0.01
Col3	203	0.01	0.00	0.00	0.01	0.01
Col3	204	0.03	0.00	0.00	0.03	0.03
Col3	205	0.03	0.00	0.00	0.03	0.03
Col3	206	0.00	0.00	0.00	0.00	0.00
Col3	207	0.00	0.00	0.00	0.00	0.00
Col3	208	0.03	0.00	0.00	0.03	0.03
Col3	209	0.02	0.00	0.00	0.02	0.02
Col4	1	0.02	0.00	0.00	0.02	0.02
Col4	2	0.01	0.00	0.00	0.01	0.01
Col4	3	0.02	0.00	0.00	0.02	0.02
Col4	4	0.02	0.01	0.02	0.03	0.03
Col4	5	0.02	0.00	0.02	0.03	0.03
Col4	6	0.02	0.01	0.02	0.03	0.03
Col4	7	0.02	0.00	0.02	0.03	0.03
Col4	8	0.02	0.01	0.02	0.03	0.03
Col4	9	0.02	0.00	0.02	0.03	0.03
Col4	10	0.02	0.01	0.02	0.03	0.03
Col4	11	0.02	0.00	0.02	0.03	0.03
Col4	12	0.02	0.01	0.02	0.03	0.03
Col4	13	0.02	0.01	0.02	0.03	0.03
Col4	14	0.02	0.00	0.02	0.03	0.03
Col4	15	0.02	0.00	0.02	0.03	0.03
Col4	16	0.02	0.00	0.00	0.02	0.02
Col4	17	0.02	0.00	0.00	0.02	0.02
Col4	18	0.01	0.01	0.02	0.03	0.03
Col4	19	0.01	0.00	0.02	0.02	0.02
Col4	20	0.01	0.01	0.02	0.03	0.03
Col4	21	0.01	0.00	0.02	0.03	0.03
Col4	22	0.01	0.01	0.02	0.03	0.03
Col4	23	0.01	0.00	0.02	0.03	0.03

			Job No	011467_RF		Date	3/26/2024	
			Customer	Norsteel Buildings		Designed By	MQZ	
			Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0				
Col4	24	0.01	0.01	0.02	0.03	0.03		
Col4	25	0.01	0.00	0.02	0.03	0.03		
Col4	26	0.01	0.01	0.02	0.03	0.03		
Col4	27	0.01	0.01	0.02	0.03	0.03		
Col4	28	0.01	0.00	0.02	0.02	0.02		
Col4	29	0.01	0.00	0.02	0.02	0.02		
Col4	30	0.03	0.00	0.00	0.03	0.03		
Col4	31	0.03	0.01	0.02	0.05	0.05		
Col4	32	0.03	0.00	0.02	0.04	0.04		
Col4	33	0.03	0.01	0.02	0.05	0.05		
Col4	34	0.03	0.00	0.02	0.04	0.04		
Col4	35	0.03	0.01	0.02	0.05	0.05		
Col4	36	0.03	0.00	0.02	0.04	0.04		
Col4	37	0.03	0.01	0.02	0.05	0.05		
Col4	38	0.03	0.00	0.02	0.04	0.04		
Col4	39	0.03	0.01	0.02	0.05	0.05		
Col4	40	0.03	0.01	0.02	0.05	0.05		
Col4	41	0.03	0.00	0.02	0.04	0.04		
Col4	42	0.03	0.00	0.02	0.04	0.04		
Col4	43	0.03	0.00	0.00	0.03	0.03		
Col4	44	0.03	0.01	0.02	0.04	0.04		
Col4	45	0.03	0.00	0.02	0.04	0.04		
Col4	46	0.03	0.01	0.02	0.05	0.05		
Col4	47	0.03	0.00	0.02	0.04	0.04		
Col4	48	0.03	0.01	0.02	0.05	0.05		
Col4	49	0.03	0.00	0.02	0.04	0.04		
Col4	50	0.03	0.01	0.02	0.05	0.05		
Col4	51	0.03	0.00	0.02	0.04	0.04		
Col4	52	0.03	0.01	0.02	0.04	0.04		
Col4	53	0.03	0.01	0.02	0.04	0.04		
Col4	54	0.03	0.00	0.02	0.04	0.04		
Col4	55	0.03	0.00	0.02	0.04	0.04		
Col4	56	0.00	0.01	0.06	0.06	0.06		
Col4	57	0.00	0.01	0.06	0.06	0.06		
Col4	58	0.00	0.02	0.08	0.08	0.08		
Col4	59	0.00	0.02	0.08	0.08	0.08		
Col4	60	0.01	0.01	0.06	0.06	0.06		
Col4	61	0.01	0.02	0.08	0.08	0.08		
Col4	62	0.00	0.02	0.08	0.08	0.08		
Col4	63	0.00	0.02	0.08	0.08	0.08		
Col4	64	0.00	0.01	0.06	0.06	0.06		
Col4	65	0.00	0.01	0.06	0.06	0.06		
Col4	66	0.00	0.02	0.08	0.08	0.08		
Col4	67	0.00	0.01	0.06	0.06	0.06		
Col4	68	0.00	0.01	0.06	0.06	0.06		
Col4	69	0.00	0.02	0.08	0.08	0.08		
Col4	70	0.00	0.01	0.06	0.06	0.06		
Col4	71	0.00	0.01	0.06	0.06	0.06		
Col4	72	0.00	0.02	0.08	0.08	0.08		
Col4	73	0.00	0.02	0.08	0.08	0.08		
Col4	74	0.01	0.01	0.06	0.06	0.06		
Col4	75	0.01	0.02	0.08	0.08	0.08		
Col4	76	0.00	0.02	0.08	0.08	0.08		
Col4	77	0.00	0.02	0.08	0.08	0.08		

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col4	78	0.00	0.01	0.06	0.06	0.06
Col4	79	0.00	0.01	0.06	0.06	0.06
Col4	80	0.01	0.02	0.08	0.08	0.08
Col4	81	0.01	0.01	0.06	0.06	0.06
Col4	82	0.01	0.01	0.06	0.06	0.06
Col4	83	0.01	0.02	0.08	0.08	0.08
Col4	84	0.01	0.01	0.06	0.06	0.06
Col4	85	0.01	0.01	0.06	0.06	0.06
Col4	86	0.01	0.02	0.08	0.08	0.08
Col4	87	0.01	0.02	0.08	0.08	0.08
Col4	88	0.02	0.01	0.06	0.06	0.06
Col4	89	0.02	0.02	0.08	0.08	0.08
Col4	90	0.01	0.02	0.08	0.08	0.08
Col4	91	0.01	0.02	0.08	0.08	0.08
Col4	92	0.01	0.01	0.06	0.06	0.06
Col4	93	0.01	0.01	0.06	0.06	0.06
Col4	94	0.01	0.02	0.08	0.08	0.08
Col4	95	0.01	0.01	0.06	0.06	0.06
Col4	96	0.01	0.01	0.06	0.06	0.06
Col4	97	0.01	0.02	0.08	0.08	0.08
Col4	98	0.01	0.01	0.06	0.06	0.06
Col4	99	0.00	0.01	0.06	0.06	0.06
Col4	100	0.01	0.02	0.08	0.08	0.08
Col4	101	0.00	0.02	0.08	0.08	0.08
Col4	102	0.00	0.01	0.06	0.06	0.06
Col4	103	0.00	0.02	0.08	0.08	0.08
Col4	104	0.01	0.02	0.08	0.08	0.08
Col4	105	0.01	0.02	0.08	0.08	0.08
Col4	106	0.01	0.01	0.06	0.06	0.06
Col4	107	0.01	0.01	0.06	0.06	0.06
Col4	108	0.00	0.02	0.08	0.08	0.08
Col4	109	0.00	0.01	0.06	0.06	0.06
Col4	110	0.00	0.01	0.06	0.06	0.06
Col4	111	0.00	0.02	0.08	0.08	0.08
Col4	112	0.00	0.01	0.06	0.06	0.06
Col4	113	0.00	0.01	0.06	0.06	0.06
Col4	114	0.00	0.02	0.08	0.08	0.08
Col4	115	0.00	0.02	0.08	0.08	0.08
Col4	116	0.01	0.01	0.06	0.06	0.06
Col4	117	0.01	0.02	0.08	0.08	0.08
Col4	118	0.00	0.02	0.08	0.08	0.08
Col4	119	0.00	0.02	0.08	0.08	0.08
Col4	120	0.00	0.01	0.06	0.06	0.06
Col4	121	0.00	0.01	0.06	0.06	0.06
Col4	122	0.00	0.02	0.08	0.08	0.08
Col4	123	0.01	0.01	0.06	0.06	0.06
Col4	124	0.00	0.01	0.06	0.06	0.06
Col4	125	0.01	0.02	0.08	0.08	0.08
Col4	126	0.00	0.01	0.06	0.06	0.06
Col4	127	0.01	0.01	0.06	0.06	0.06
Col4	128	0.00	0.02	0.08	0.08	0.08
Col4	129	0.01	0.02	0.08	0.08	0.08
Col4	130	0.01	0.01	0.06	0.06	0.06
Col4	131	0.01	0.02	0.08	0.08	0.08

				Job No	011467_RF		**Date**	3/26/2024	
				Customer	Norsteel Buildings		**Designed By**	MQZ	
				Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0				

Col4	132	0.00	0.02	0.08	0.08	0.08
Col4	133	0.00	0.02	0.08	0.08	0.08
Col4	134	0.00	0.01	0.06	0.06	0.06
Col4	135	0.00	0.01	0.06	0.06	0.06
Col4	136	0.01	0.02	0.08	0.08	0.08
Col4	137	0.01	0.01	0.06	0.06	0.06
Col4	138	0.01	0.01	0.06	0.06	0.06
Col4	139	0.01	0.02	0.08	0.08	0.08
Col4	140	0.01	0.00	0.00	0.01	0.01
Col4	141	0.00	0.00	0.00	0.00	0.00
Col4	142	0.01	0.00	0.00	0.01	0.01
Col4	143	0.01	0.00	0.00	0.01	0.01
Col4	144	0.02	0.00	0.00	0.02	0.02
Col4	145	0.03	0.00	0.00	0.03	0.03
Col4	146	0.02	0.00	0.00	0.02	0.02
Col4	147	0.02	0.00	0.00	0.02	0.02
Col4	148	0.02	0.00	0.00	0.02	0.02
Col4	149	0.02	0.00	0.00	0.02	0.02
Col4	150	0.02	0.00	0.00	0.02	0.02
Col4	151	0.02	0.00	0.00	0.02	0.02
Col4	152	0.02	0.00	0.00	0.02	0.02
Col4	153	0.01	0.00	0.00	0.01	0.01
Col4	154	0.01	0.00	0.00	0.01	0.01
Col4	155	0.01	0.00	0.00	0.01	0.01
Col4	156	0.01	0.00	0.00	0.01	0.01
Col4	157	0.01	0.00	0.00	0.01	0.01
Col4	158	0.01	0.00	0.00	0.01	0.01
Col4	159	0.01	0.00	0.00	0.01	0.01
Col4	160	0.03	0.00	0.00	0.03	0.03
Col4	161	0.03	0.00	0.00	0.03	0.03
Col4	162	0.03	0.00	0.00	0.03	0.03
Col4	163	0.03	0.00	0.00	0.03	0.03
Col4	164	0.03	0.00	0.00	0.03	0.03
Col4	165	0.03	0.00	0.00	0.03	0.03
Col4	166	0.03	0.00	0.00	0.03	0.03
Col4	167	0.03	0.00	0.00	0.03	0.03
Col4	168	0.03	0.00	0.00	0.03	0.03
Col4	169	0.03	0.00	0.00	0.03	0.03
Col4	170	0.03	0.00	0.00	0.03	0.03
Col4	171	0.03	0.00	0.00	0.03	0.03
Col4	172	0.00	0.00	0.00	0.00	0.00
Col4	173	0.00	0.00	0.00	0.00	0.00
Col4	174	0.00	0.00	0.00	0.00	0.00
Col4	175	0.00	0.00	0.00	0.00	0.00
Col4	176	0.00	0.00	0.00	0.00	0.00
Col4	177	0.00	0.00	0.00	0.00	0.00
Col4	178	0.00	0.00	0.00	0.00	0.00
Col4	179	0.00	0.00	0.00	0.00	0.00
Col4	180	0.01	0.00	0.00	0.01	0.01
Col4	181	0.01	0.00	0.00	0.01	0.01
Col4	182	0.00	0.00	0.00	0.00	0.00
Col4	183	0.00	0.00	0.00	0.00	0.00
Col4	184	0.01	0.00	0.00	0.01	0.01
Col4	185	0.01	0.00	0.00	0.01	0.01

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col4	186	0.01	0.00	0.00	0.01		0.01
Col4	187	0.01	0.00	0.00	0.01		0.01
Col4	188	0.01	0.00	0.00	0.01		0.01
Col4	189	0.01	0.00	0.00	0.01		0.01
Col4	190	0.01	0.00	0.00	0.01		0.01
Col4	191	0.00	0.00	0.00	0.00		0.00
Col4	192	0.00	0.00	0.00	0.00		0.00
Col4	193	0.00	0.00	0.00	0.00		0.00
Col4	194	0.01	0.00	0.00	0.01		0.01
Col4	195	0.01	0.00	0.00	0.01		0.01
Col4	196	0.00	0.00	0.00	0.00		0.00
Col4	197	0.00	0.00	0.00	0.00		0.00
Col4	198	0.00	0.00	0.00	0.00		0.00
Col4	199	0.01	0.00	0.00	0.01		0.01
Col4	200	0.00	0.00	0.00	0.00		0.00
Col4	201	0.00	0.00	0.00	0.00		0.00
Col4	202	0.00	0.00	0.00	0.00		0.00
Col4	203	0.01	0.00	0.00	0.01		0.01
Col4	204	0.01	0.00	0.00	0.01		0.01
Col4	205	0.01	0.00	0.00	0.01		0.01
Col4	206	0.00	0.00	0.00	0.00		0.00
Col4	207	0.00	0.00	0.00	0.00		0.00
Col4	208	0.01	0.00	0.00	0.01		0.01
Col4	209	0.01	0.00	0.00	0.01		0.01
Raf1	1	0.00	0.06	0.10	0.10		0.10
Raf1	2	0.00	0.01	0.02	0.02		0.02
Raf1	3	0.00	0.08	0.14	0.14		0.14
Raf1	4	0.00	0.04	0.08	0.08		0.08
Raf1	5	0.00	0.04	0.08	0.08		0.08
Raf1	6	0.00	0.05	0.09	0.09		0.09
Raf1	7	0.00	0.05	0.09	0.09		0.09
Raf1	8	0.00	0.05	0.09	0.09		0.09
Raf1	9	0.00	0.05	0.09	0.09		0.09
Raf1	10	0.00	0.06	0.10	0.10		0.10
Raf1	11	0.00	0.06	0.10	0.10		0.10
Raf1	12	0.00	0.04	0.08	0.08		0.08
Raf1	13	0.00	0.04	0.08	0.08		0.08
Raf1	14	0.00	0.04	0.08	0.08		0.08
Raf1	15	0.00	0.04	0.08	0.08		0.08
Raf1	16	0.00	0.05	0.09	0.09		0.09
Raf1	17	0.00	0.07	0.13	0.13		0.13
Raf1	18	0.00	0.04	0.07	0.07		0.07
Raf1	19	0.00	0.04	0.07	0.07		0.07
Raf1	20	0.00	0.04	0.07	0.08		0.08
Raf1	21	0.00	0.04	0.07	0.08		0.08
Raf1	22	0.00	0.04	0.08	0.08		0.08
Raf1	23	0.00	0.04	0.08	0.08		0.08
Raf1	24	0.00	0.05	0.09	0.09		0.09
Raf1	25	0.00	0.05	0.09	0.09		0.09
Raf1	26	0.00	0.04	0.07	0.07		0.07
Raf1	27	0.00	0.04	0.07	0.07		0.07
Raf1	28	0.00	0.04	0.07	0.07		0.07
Raf1	29	0.00	0.04	0.07	0.07		0.07

			Job No	011467_RF		**Date**	3/26/2024		
			Customer	Norsteel Buildings		**Designed By**	MQZ		
			Description	2040503 Ontario Inc/NS24-11					
				Vars/ON/K0A 3H0					
Raf1	30	0.00	0.11	0.20	0.20	0.20			
Raf1	31	0.00	0.10	0.18	0.18	0.18			
Raf1	32	0.00	0.10	0.18	0.18	0.18			
Raf1	33	0.00	0.11	0.19	0.19	0.19			
Raf1	34	0.00	0.11	0.19	0.19	0.19			
Raf1	35	0.00	0.11	0.19	0.19	0.19			
Raf1	36	0.00	0.11	0.19	0.19	0.19			
Raf1	37	0.01	0.11	0.20	0.20	0.20			
Raf1	38	0.01	0.11	0.20	0.20	0.20			
Raf1	39	0.00	0.10	0.18	0.19	0.19			
Raf1	40	0.00	0.10	0.18	0.19	0.19			
Raf1	41	0.00	0.10	0.18	0.19	0.19			
Raf1	42	0.00	0.10	0.18	0.19	0.19			
Raf1	43	0.00	0.11	0.19	0.19	0.19			
Raf1	44	0.00	0.09	0.17	0.17	0.17			
Raf1	45	0.00	0.09	0.17	0.17	0.17			
Raf1	46	0.00	0.10	0.18	0.18	0.18			
Raf1	47	0.00	0.10	0.18	0.18	0.18			
Raf1	48	0.00	0.10	0.18	0.18	0.18			
Raf1	49	0.00	0.10	0.18	0.18	0.18			
Raf1	50	0.01	0.10	0.19	0.19	0.19			
Raf1	51	0.01	0.10	0.19	0.19	0.19			
Raf1	52	0.00	0.09	0.17	0.17	0.17			
Raf1	53	0.00	0.09	0.17	0.17	0.17			
Raf1	54	0.00	0.09	0.17	0.17	0.17			
Raf1	55	0.00	0.09	0.17	0.17	0.17			
Raf1	56	0.01	0.03	0.05	0.05	0.05			
Raf1	57	0.01	0.01	0.02	0.03	0.03			
Raf1	58	0.01	0.03	0.05	0.05	0.05			
Raf1	59	0.01	0.01	0.02	0.03	0.03			
Raf1	60	0.00	0.01	0.02	0.02	0.02			
Raf1	61	0.00	0.01	0.02	0.02	0.02			
Raf1	62	0.01	0.03	0.05	0.05	0.05			
Raf1	63	0.01	0.03	0.05	0.05	0.05			
Raf1	64	0.01	0.03	0.05	0.05	0.05			
Raf1	65	0.01	0.03	0.05	0.05	0.05			
Raf1	66	0.01	0.00	0.01	0.02	0.02			
Raf1	67	0.01	0.01	0.02	0.03	0.03			
Raf1	68	0.01	0.00	0.01	0.02	0.02			
Raf1	69	0.01	0.01	0.02	0.03	0.03			
Raf1	70	0.01	0.01	0.02	0.03	0.03			
Raf1	71	0.01	0.00	0.00	0.01	0.01			
Raf1	72	0.01	0.01	0.02	0.03	0.03			
Raf1	73	0.01	0.00	0.00	0.01	0.01			
Raf1	74	0.00	0.03	0.05	0.05	0.05			
Raf1	75	0.00	0.03	0.05	0.05	0.05			
Raf1	76	0.01	0.01	0.02	0.03	0.03			
Raf1	77	0.01	0.01	0.02	0.03	0.03			
Raf1	78	0.01	0.01	0.02	0.03	0.03			
Raf1	79	0.01	0.01	0.02	0.03	0.03			
Raf1	80	0.01	0.01	0.02	0.02	0.02			
Raf1	81	0.01	0.03	0.04	0.05	0.05			
Raf1	82	0.01	0.01	0.02	0.02	0.02			
Raf1	83	0.01	0.03	0.04	0.05	0.05			

				Job No	011467_RF		**Date**	3/26/2024	
				Customer	Norsteel Buildings		**Designed By**	MQZ	
				Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0				
Raf1	84	0.01	0.01	0.01	0.02	0.02			
Raf1	85	0.01	0.02	0.04	0.04	0.04			
Raf1	86	0.01	0.01	0.01	0.02	0.02			
Raf1	87	0.01	0.02	0.04	0.04	0.04			
Raf1	88	0.00	0.05	0.08	0.08	0.08			
Raf1	89	0.00	0.05	0.08	0.08	0.08			
Raf1	90	0.01	0.01	0.01	0.02	0.02			
Raf1	91	0.01	0.01	0.01	0.02	0.02			
Raf1	92	0.01	0.01	0.01	0.02	0.02			
Raf1	93	0.01	0.01	0.01	0.02	0.02			
Raf1	94	0.01	0.03	0.05	0.05	0.05			
Raf1	95	0.01	0.04	0.08	0.08	0.08			
Raf1	96	0.01	0.03	0.05	0.05	0.05			
Raf1	97	0.01	0.04	0.08	0.08	0.08			
Raf1	98	0.01	0.03	0.06	0.07	0.07			
Raf1	99	0.01	0.02	0.03	0.04	0.04			
Raf1	100	0.01	0.03	0.06	0.07	0.07			
Raf1	101	0.01	0.02	0.03	0.04	0.04			
Raf1	102	0.00	0.00	0.01	0.01	0.01			
Raf1	103	0.00	0.00	0.01	0.01	0.01			
Raf1	104	0.01	0.03	0.06	0.07	0.07			
Raf1	105	0.01	0.03	0.06	0.07	0.07			
Raf1	106	0.01	0.03	0.06	0.07	0.07			
Raf1	107	0.01	0.03	0.06	0.07	0.07			
Raf1	108	0.01	0.01	0.02	0.03	0.03			
Raf1	109	0.01	0.00	0.01	0.02	0.02			
Raf1	110	0.01	0.01	0.02	0.03	0.03			
Raf1	111	0.01	0.00	0.01	0.02	0.02			
Raf1	112	0.01	0.02	0.04	0.04	0.04			
Raf1	113	0.01	0.00	0.01	0.01	0.01			
Raf1	114	0.01	0.02	0.04	0.04	0.04			
Raf1	115	0.01	0.00	0.01	0.01	0.01			
Raf1	116	0.00	0.02	0.03	0.04	0.04			
Raf1	117	0.00	0.02	0.03	0.04	0.04			
Raf1	118	0.01	0.02	0.04	0.04	0.04			
Raf1	119	0.01	0.02	0.04	0.04	0.04			
Raf1	120	0.01	0.02	0.04	0.04	0.04			
Raf1	121	0.01	0.02	0.04	0.04	0.04			
Raf1	122	0.01	0.00	0.01	0.01	0.01			
Raf1	123	0.01	0.02	0.03	0.04	0.04			
Raf1	124	0.01	0.00	0.01	0.01	0.01			
Raf1	125	0.01	0.02	0.03	0.04	0.04			
Raf1	126	0.01	0.00	0.00	0.01	0.01			
Raf1	127	0.01	0.01	0.03	0.03	0.03			
Raf1	128	0.01	0.00	0.00	0.01	0.01			
Raf1	129	0.01	0.01	0.03	0.03	0.03			
Raf1	130	0.00	0.04	0.07	0.07	0.07			
Raf1	131	0.00	0.04	0.07	0.07	0.07			
Raf1	132	0.01	0.00	0.00	0.01	0.01			
Raf1	133	0.01	0.00	0.00	0.01	0.01			
Raf1	134	0.01	0.00	0.00	0.01	0.01			
Raf1	135	0.01	0.00	0.00	0.01	0.01			
Raf1	136	0.01	0.02	0.04	0.04	0.04			
Raf1	137	0.01	0.04	0.07	0.07	0.07			

				Job No	011467_RF		**Date**	3/26/2024	
				Customer	Norsteel Buildings		**Designed By**	MQZ	
				Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0				
Raf1	138	0.01	0.02	0.04	0.04	0.04			
Raf1	139	0.01	0.04	0.07	0.07	0.07			
Raf1	140	0.00	0.01	0.02	0.02	0.02			
Raf1	141	0.01	0.01	0.02	0.02	0.02			
Raf1	142	0.00	0.03	0.05	0.05	0.05			
Raf1	143	0.01	0.03	0.05	0.05	0.05			
Raf1	144	0.00	0.11	0.20	0.20	0.20			
Raf1	145	0.00	0.11	0.20	0.20	0.20			
Raf1	146	0.00	0.05	0.08	0.08	0.08			
Raf1	147	0.00	0.04	0.08	0.08	0.08			
Raf1	148	0.00	0.05	0.09	0.09	0.09			
Raf1	149	0.00	0.05	0.09	0.09	0.09			
Raf1	150	0.00	0.06	0.10	0.10	0.10			
Raf1	151	0.00	0.04	0.08	0.08	0.08			
Raf1	152	0.00	0.04	0.08	0.08	0.08			
Raf1	153	0.00	0.04	0.07	0.07	0.07			
Raf1	154	0.00	0.04	0.07	0.07	0.07			
Raf1	155	0.00	0.04	0.07	0.08	0.08			
Raf1	156	0.00	0.04	0.08	0.08	0.08			
Raf1	157	0.00	0.05	0.09	0.09	0.09			
Raf1	158	0.00	0.04	0.07	0.07	0.07			
Raf1	159	0.00	0.04	0.07	0.07	0.07			
Raf1	160	0.00	0.10	0.18	0.18	0.18			
Raf1	161	0.00	0.11	0.19	0.19	0.19			
Raf1	162	0.00	0.11	0.19	0.19	0.19			
Raf1	163	0.01	0.11	0.20	0.20	0.20			
Raf1	164	0.00	0.10	0.18	0.19	0.19			
Raf1	165	0.00	0.10	0.18	0.19	0.19			
Raf1	166	0.00	0.09	0.17	0.17	0.17			
Raf1	167	0.00	0.10	0.18	0.18	0.18			
Raf1	168	0.00	0.10	0.18	0.18	0.18			
Raf1	169	0.01	0.10	0.19	0.19	0.19			
Raf1	170	0.00	0.09	0.17	0.17	0.17			
Raf1	171	0.00	0.09	0.17	0.17	0.17			
Raf1	172	0.01	0.03	0.05	0.05	0.05			
Raf1	173	0.01	0.01	0.02	0.03	0.03			
Raf1	174	0.01	0.00	0.01	0.02	0.02			
Raf1	175	0.01	0.01	0.02	0.03	0.03			
Raf1	176	0.01	0.03	0.05	0.05	0.05			
Raf1	177	0.01	0.03	0.05	0.05	0.05			
Raf1	178	0.01	0.01	0.02	0.03	0.03			
Raf1	179	0.01	0.00	0.00	0.01	0.01			
Raf1	180	0.01	0.01	0.02	0.02	0.02			
Raf1	181	0.01	0.03	0.04	0.05	0.05			
Raf1	182	0.01	0.01	0.02	0.03	0.03			
Raf1	183	0.01	0.01	0.02	0.03	0.03			
Raf1	184	0.01	0.01	0.01	0.02	0.02			
Raf1	185	0.01	0.02	0.04	0.04	0.04			
Raf1	186	0.01	0.03	0.05	0.05	0.05			
Raf1	187	0.01	0.04	0.08	0.08	0.08			
Raf1	188	0.01	0.01	0.01	0.02	0.02			
Raf1	189	0.01	0.01	0.01	0.02	0.02			
Raf1	190	0.01	0.03	0.06	0.07	0.07			
Raf1	191	0.01	0.02	0.03	0.04	0.04			

			Job No	011467_RF		**Date**	3/26/2024	
			Customer	Norsteel Buildings		**Designed By**	MQZ	
			Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0				

Raf1	192	0.01	0.01	0.02	0.03	0.03
Raf1	193	0.01	0.00	0.01	0.02	0.02
Raf1	194	0.01	0.03	0.06	0.07	0.07
Raf1	195	0.01	0.03	0.06	0.07	0.07
Raf1	196	0.01	0.02	0.04	0.04	0.04
Raf1	197	0.01	0.00	0.01	0.01	0.01
Raf1	198	0.01	0.00	0.01	0.01	0.01
Raf1	199	0.01	0.02	0.03	0.04	0.04
Raf1	200	0.01	0.02	0.04	0.04	0.04
Raf1	201	0.01	0.02	0.04	0.04	0.04
Raf1	202	0.01	0.00	0.00	0.01	0.01
Raf1	203	0.01	0.01	0.03	0.03	0.03
Raf1	204	0.01	0.02	0.04	0.04	0.04
Raf1	205	0.01	0.04	0.07	0.07	0.07
Raf1	206	0.01	0.00	0.00	0.01	0.01
Raf1	207	0.01	0.00	0.00	0.01	0.01
Raf1	208	0.00	0.02	0.04	0.05	0.05
Raf1	209	0.01	0.02	0.04	0.04	0.04
Raf2	1	0.00	0.04	0.07	0.07	0.07
Raf2	2	0.00	0.01	0.02	0.02	0.02
Raf2	3	0.00	0.05	0.10	0.10	0.10
Raf2	4	0.00	0.03	0.06	0.06	0.06
Raf2	5	0.00	0.03	0.06	0.06	0.06
Raf2	6	0.00	0.03	0.06	0.06	0.06
Raf2	7	0.00	0.03	0.06	0.06	0.06
Raf2	8	0.00	0.03	0.07	0.07	0.07
Raf2	9	0.00	0.03	0.07	0.07	0.07
Raf2	10	0.00	0.04	0.07	0.07	0.07
Raf2	11	0.00	0.04	0.07	0.07	0.07
Raf2	12	0.00	0.03	0.06	0.06	0.06
Raf2	13	0.00	0.03	0.06	0.06	0.06
Raf2	14	0.00	0.03	0.06	0.06	0.06
Raf2	15	0.00	0.03	0.06	0.06	0.06
Raf2	16	0.00	0.03	0.06	0.06	0.06
Raf2	17	0.00	0.05	0.09	0.09	0.09
Raf2	18	0.00	0.02	0.05	0.05	0.05
Raf2	19	0.00	0.02	0.05	0.05	0.05
Raf2	20	0.00	0.03	0.05	0.05	0.05
Raf2	21	0.00	0.03	0.05	0.05	0.05
Raf2	22	0.00	0.03	0.06	0.06	0.06
Raf2	23	0.00	0.03	0.06	0.06	0.06
Raf2	24	0.00	0.03	0.06	0.06	0.06
Raf2	25	0.00	0.03	0.06	0.06	0.06
Raf2	26	0.00	0.02	0.05	0.05	0.05
Raf2	27	0.00	0.02	0.05	0.05	0.05
Raf2	28	0.00	0.02	0.05	0.05	0.05
Raf2	29	0.00	0.02	0.05	0.05	0.05
Raf2	30	0.00	0.07	0.15	0.15	0.15
Raf2	31	0.00	0.07	0.13	0.14	0.14
Raf2	32	0.00	0.07	0.13	0.14	0.14
Raf2	33	0.00	0.07	0.14	0.14	0.14
Raf2	34	0.00	0.07	0.14	0.14	0.14
Raf2	35	0.00	0.07	0.14	0.14	0.14
Raf2	36	0.00	0.07	0.14	0.14	0.14

			Job No	011467_RF		**Date**	3/26/2024	
			Customer	Norsteel Buildings		**Designed By**	MQZ	
			Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0				
Raf2	37	0.00	0.07	0.15	0.15	0.15		
Raf2	38	0.00	0.07	0.15	0.15	0.15		
Raf2	39	0.00	0.07	0.13	0.14	0.14		
Raf2	40	0.00	0.07	0.13	0.14	0.14		
Raf2	41	0.00	0.07	0.13	0.14	0.14		
Raf2	42	0.00	0.07	0.13	0.14	0.14		
Raf2	43	0.00	0.07	0.14	0.14	0.14		
Raf2	44	0.00	0.06	0.12	0.13	0.13		
Raf2	45	0.00	0.06	0.12	0.13	0.13		
Raf2	46	0.00	0.06	0.13	0.13	0.13		
Raf2	47	0.00	0.06	0.13	0.13	0.13		
Raf2	48	0.00	0.07	0.13	0.13	0.13		
Raf2	49	0.00	0.07	0.13	0.13	0.13		
Raf2	50	0.00	0.07	0.14	0.14	0.14		
Raf2	51	0.00	0.07	0.14	0.14	0.14		
Raf2	52	0.00	0.06	0.12	0.13	0.13		
Raf2	53	0.00	0.06	0.12	0.13	0.13		
Raf2	54	0.00	0.06	0.12	0.13	0.13		
Raf2	55	0.00	0.06	0.12	0.13	0.13		
Raf2	56	0.01	0.02	0.04	0.04	0.04		
Raf2	57	0.00	0.01	0.02	0.02	0.02		
Raf2	58	0.01	0.02	0.04	0.04	0.04		
Raf2	59	0.00	0.01	0.02	0.02	0.02		
Raf2	60	0.00	0.01	0.02	0.02	0.02		
Raf2	61	0.00	0.01	0.02	0.02	0.02		
Raf2	62	0.01	0.02	0.04	0.04	0.04		
Raf2	63	0.01	0.02	0.04	0.04	0.04		
Raf2	64	0.01	0.02	0.04	0.04	0.04		
Raf2	65	0.01	0.02	0.04	0.04	0.04		
Raf2	66	0.00	0.00	0.01	0.01	0.01		
Raf2	67	0.01	0.01	0.01	0.02	0.02		
Raf2	68	0.00	0.00	0.01	0.01	0.01		
Raf2	69	0.01	0.01	0.01	0.02	0.02		
Raf2	70	0.01	0.01	0.02	0.02	0.02		
Raf2	71	0.00	0.00	0.00	0.01	0.01		
Raf2	72	0.01	0.01	0.02	0.02	0.02		
Raf2	73	0.00	0.00	0.00	0.01	0.01		
Raf2	74	0.00	0.02	0.04	0.04	0.04		
Raf2	75	0.00	0.02	0.04	0.04	0.04		
Raf2	76	0.01	0.01	0.02	0.02	0.02		
Raf2	77	0.01	0.01	0.02	0.02	0.02		
Raf2	78	0.01	0.01	0.02	0.02	0.02		
Raf2	79	0.01	0.01	0.02	0.02	0.02		
Raf2	80	0.00	0.01	0.01	0.01	0.01		
Raf2	81	0.01	0.02	0.03	0.04	0.04		
Raf2	82	0.00	0.01	0.01	0.01	0.01		
Raf2	83	0.01	0.02	0.03	0.04	0.04		
Raf2	84	0.01	0.00	0.01	0.01	0.01		
Raf2	85	0.00	0.01	0.03	0.03	0.03		
Raf2	86	0.01	0.00	0.01	0.01	0.01		
Raf2	87	0.00	0.01	0.03	0.03	0.03		
Raf2	88	0.00	0.03	0.06	0.06	0.06		
Raf2	89	0.00	0.03	0.06	0.06	0.06		
Raf2	90	0.01	0.00	0.01	0.01	0.01		

				Job No	011467_RF		**Date**	3/26/2024	
				Customer	Norsteel Buildings		**Designed By**	MQZ	
				Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0				
Raf2	91	0.01	0.00	0.01	0.01	0.01			
Raf2	92	0.01	0.00	0.01	0.01	0.01			
Raf2	93	0.01	0.00	0.01	0.01	0.01			
Raf2	94	0.00	0.02	0.04	0.04	0.04			
Raf2	95	0.01	0.03	0.06	0.06	0.06			
Raf2	96	0.00	0.02	0.04	0.04	0.04			
Raf2	97	0.01	0.03	0.06	0.06	0.06			
Raf2	98	0.01	0.02	0.05	0.05	0.05			
Raf2	99	0.00	0.01	0.03	0.03	0.03			
Raf2	100	0.01	0.02	0.05	0.05	0.05			
Raf2	101	0.00	0.01	0.03	0.03	0.03			
Raf2	102	0.00	0.00	0.01	0.01	0.01			
Raf2	103	0.00	0.00	0.01	0.01	0.01			
Raf2	104	0.01	0.02	0.05	0.05	0.05			
Raf2	105	0.01	0.02	0.05	0.05	0.05			
Raf2	106	0.01	0.02	0.05	0.05	0.05			
Raf2	107	0.01	0.02	0.05	0.05	0.05			
Raf2	108	0.00	0.01	0.02	0.02	0.02			
Raf2	109	0.01	0.00	0.00	0.01	0.01			
Raf2	110	0.00	0.01	0.02	0.02	0.02			
Raf2	111	0.01	0.00	0.00	0.01	0.01			
Raf2	112	0.01	0.01	0.03	0.03	0.03			
Raf2	113	0.00	0.00	0.01	0.01	0.01			
Raf2	114	0.01	0.01	0.03	0.03	0.03			
Raf2	115	0.00	0.00	0.01	0.01	0.01			
Raf2	116	0.00	0.01	0.03	0.03	0.03			
Raf2	117	0.00	0.01	0.03	0.03	0.03			
Raf2	118	0.01	0.01	0.03	0.03	0.03			
Raf2	119	0.01	0.01	0.03	0.03	0.03			
Raf2	120	0.01	0.01	0.03	0.03	0.03			
Raf2	121	0.01	0.01	0.03	0.03	0.03			
Raf2	122	0.00	0.00	0.00	0.00	0.00			
Raf2	123	0.01	0.01	0.02	0.03	0.03			
Raf2	124	0.00	0.00	0.00	0.00	0.00			
Raf2	125	0.01	0.01	0.02	0.03	0.03			
Raf2	126	0.01	0.00	0.00	0.01	0.01			
Raf2	127	0.00	0.01	0.02	0.02	0.02			
Raf2	128	0.01	0.00	0.00	0.01	0.01			
Raf2	129	0.00	0.01	0.02	0.02	0.02			
Raf2	130	0.00	0.03	0.05	0.05	0.05			
Raf2	131	0.00	0.03	0.05	0.05	0.05			
Raf2	132	0.01	0.00	0.00	0.01	0.01			
Raf2	133	0.01	0.00	0.00	0.01	0.01			
Raf2	134	0.01	0.00	0.00	0.01	0.01			
Raf2	135	0.01	0.00	0.00	0.01	0.01			
Raf2	136	0.00	0.01	0.03	0.03	0.03			
Raf2	137	0.01	0.02	0.05	0.05	0.05			
Raf2	138	0.00	0.01	0.03	0.03	0.03			
Raf2	139	0.01	0.02	0.05	0.05	0.05			
Raf2	140	0.00	0.01	0.01	0.01	0.01			
Raf2	141	0.00	0.01	0.01	0.01	0.01			
Raf2	142	0.00	0.02	0.04	0.04	0.04			
Raf2	143	0.00	0.02	0.03	0.03	0.03			
Raf2	144	0.00	0.04	0.08	0.08	0.08			

				Job No	011467_RF		**Date**	3/26/2024	
				Customer	Norsteel Buildings		**Designed By**	MQZ	
				Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0				

Raf2	145	0.00	0.07	0.15	0.15	0.15
Raf2	146	0.00	0.03	0.06	0.06	0.06
Raf2	147	0.00	0.03	0.06	0.06	0.06
Raf2	148	0.00	0.03	0.06	0.06	0.06
Raf2	149	0.00	0.03	0.07	0.07	0.07
Raf2	150	0.00	0.04	0.07	0.07	0.07
Raf2	151	0.00	0.03	0.06	0.06	0.06
Raf2	152	0.00	0.03	0.06	0.06	0.06
Raf2	153	0.00	0.03	0.05	0.05	0.05
Raf2	154	0.00	0.02	0.05	0.05	0.05
Raf2	155	0.00	0.03	0.05	0.05	0.05
Raf2	156	0.00	0.03	0.06	0.06	0.06
Raf2	157	0.00	0.03	0.06	0.06	0.06
Raf2	158	0.00	0.02	0.05	0.05	0.05
Raf2	159	0.00	0.02	0.05	0.05	0.05
Raf2	160	0.00	0.07	0.13	0.14	0.14
Raf2	161	0.00	0.07	0.14	0.14	0.14
Raf2	162	0.00	0.07	0.14	0.14	0.14
Raf2	163	0.00	0.07	0.15	0.15	0.15
Raf2	164	0.00	0.07	0.13	0.14	0.14
Raf2	165	0.00	0.07	0.13	0.14	0.14
Raf2	166	0.00	0.06	0.12	0.13	0.13
Raf2	167	0.00	0.06	0.13	0.13	0.13
Raf2	168	0.00	0.07	0.13	0.13	0.13
Raf2	169	0.00	0.07	0.14	0.14	0.14
Raf2	170	0.00	0.06	0.12	0.13	0.13
Raf2	171	0.00	0.06	0.12	0.13	0.13
Raf2	172	0.01	0.02	0.04	0.04	0.04
Raf2	173	0.00	0.01	0.02	0.02	0.02
Raf2	174	0.00	0.00	0.01	0.01	0.01
Raf2	175	0.01	0.01	0.01	0.02	0.02
Raf2	176	0.01	0.02	0.04	0.04	0.04
Raf2	177	0.01	0.02	0.04	0.04	0.04
Raf2	178	0.01	0.01	0.02	0.02	0.02
Raf2	179	0.00	0.00	0.00	0.01	0.01
Raf2	180	0.00	0.01	0.01	0.01	0.01
Raf2	181	0.01	0.02	0.03	0.04	0.04
Raf2	182	0.01	0.01	0.02	0.02	0.02
Raf2	183	0.01	0.01	0.02	0.02	0.02
Raf2	184	0.01	0.00	0.01	0.01	0.01
Raf2	185	0.00	0.01	0.03	0.03	0.03
Raf2	186	0.00	0.02	0.04	0.04	0.04
Raf2	187	0.01	0.03	0.06	0.06	0.06
Raf2	188	0.01	0.00	0.01	0.01	0.01
Raf2	189	0.01	0.00	0.01	0.01	0.01
Raf2	190	0.01	0.02	0.05	0.05	0.05
Raf2	191	0.00	0.01	0.03	0.03	0.03
Raf2	192	0.00	0.01	0.02	0.02	0.02
Raf2	193	0.01	0.00	0.00	0.01	0.01
Raf2	194	0.01	0.02	0.05	0.05	0.05
Raf2	195	0.01	0.02	0.05	0.05	0.05
Raf2	196	0.01	0.01	0.03	0.03	0.03
Raf2	197	0.00	0.00	0.01	0.01	0.01
Raf2	198	0.00	0.00	0.00	0.00	0.00

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Raf2	199	0.01	0.01	0.02	0.03	0.03
Raf2	200	0.01	0.01	0.03	0.03	0.03
Raf2	201	0.01	0.01	0.03	0.03	0.03
Raf2	202	0.01	0.00	0.00	0.01	0.01
Raf2	203	0.00	0.01	0.02	0.02	0.02
Raf2	204	0.00	0.01	0.03	0.03	0.03
Raf2	205	0.01	0.02	0.05	0.05	0.05
Raf2	206	0.01	0.00	0.00	0.01	0.01
Raf2	207	0.01	0.00	0.00	0.01	0.01
Raf2	208	0.00	0.02	0.03	0.03	0.03
Raf2	209	0.00	0.02	0.03	0.03	0.03

COLUMN REACTIONS - Factored_Load:

Id	Load Id	Vert(k)	In_Plane Horz(k)	--Out_Plane_Horz-- Base(k)	Roof(k)
Col1	1	2.65	0.00	0.00	0.00
Col1	2	0.95	0.00	0.00	0.00
Col1	3	3.62	0.00	0.00	0.00
Col1	4	2.20	0.00	-0.28	-0.28
Col1	5	2.20	0.00	0.20	0.20
Col1	6	2.33	0.00	-0.28	-0.28
Col1	7	2.33	0.00	0.20	0.20
Col1	8	2.50	0.00	-0.28	-0.28
Col1	9	2.50	0.00	0.20	0.20
Col1	10	2.63	0.00	-0.28	-0.28
Col1	11	2.63	0.00	0.20	0.20
Col1	12	2.15	0.00	-0.28	-0.28
Col1	13	2.15	0.00	-0.28	-0.28
Col1	14	2.15	0.00	0.20	0.20
Col1	15	2.15	0.00	0.20	0.20
Col1	16	2.26	0.00	0.00	0.00
Col1	17	3.23	0.00	0.00	0.00
Col1	18	1.81	0.00	-0.28	-0.28
Col1	19	1.81	0.00	0.20	0.20
Col1	20	1.94	0.00	-0.28	-0.28
Col1	21	1.94	0.00	0.20	0.20
Col1	22	2.11	0.00	-0.28	-0.28
Col1	23	2.11	0.00	0.20	0.20
Col1	24	2.24	0.00	-0.28	-0.28
Col1	25	2.24	0.00	0.20	0.20
Col1	26	1.76	0.00	-0.28	-0.28
Col1	27	1.76	0.00	-0.28	-0.28
Col1	28	1.76	0.00	0.20	0.20
Col1	29	1.76	0.00	0.20	0.20
Col1	30	5.00	0.00	0.00	0.00
Col1	31	4.55	0.00	-0.28	-0.28
Col1	32	4.55	0.00	0.20	0.20
Col1	33	4.69	0.00	-0.28	-0.28
Col1	34	4.69	0.00	0.20	0.20
Col1	35	4.85	0.00	-0.28	-0.28
Col1	36	4.85	0.00	0.20	0.20

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col1	37	4.99	0.00	-0.28	-0.28
Col1	38	4.99	0.00	0.20	0.20
Col1	39	4.51	0.00	-0.28	-0.28
Col1	40	4.51	0.00	-0.28	-0.28
Col1	41	4.51	0.00	0.20	0.20
Col1	42	4.51	0.00	0.20	0.20
Col1	43	4.61	0.00	0.00	0.00
Col1	44	4.16	0.00	-0.28	-0.28
Col1	45	4.16	0.00	0.20	0.20
Col1	46	4.30	0.00	-0.28	-0.28
Col1	47	4.30	0.00	0.20	0.20
Col1	48	4.46	0.00	-0.28	-0.28
Col1	49	4.46	0.00	0.20	0.20
Col1	50	4.60	0.00	-0.28	-0.28
Col1	51	4.60	0.00	0.20	0.20
Col1	52	4.12	0.00	-0.28	-0.28
Col1	53	4.12	0.00	-0.28	-0.28
Col1	54	4.12	0.00	0.20	0.20
Col1	55	4.12	0.00	0.20	0.20
Col1	56	-0.73	0.00	0.69	0.69
Col1	57	-0.26	0.00	0.69	0.69
Col1	58	-0.73	0.00	-0.97	-0.97
Col1	59	-0.26	0.00	-0.97	-0.97
Col1	60	0.85	0.00	0.69	0.69
Col1	61	0.85	0.00	-0.97	-0.97
Col1	62	-0.89	0.00	-0.97	-0.97
Col1	63	-0.89	0.00	-0.97	-0.97
Col1	64	-0.89	0.00	0.69	0.69
Col1	65	-0.89	0.00	0.69	0.69
Col1	66	0.32	0.00	-0.97	-0.97
Col1	67	0.79	0.00	0.69	0.69
Col1	68	0.32	0.00	0.69	0.69
Col1	69	0.79	0.00	-0.97	-0.97
Col1	70	-0.13	0.00	0.69	0.69
Col1	71	0.34	0.00	0.69	0.69
Col1	72	-0.13	0.00	-0.97	-0.97
Col1	73	0.34	0.00	-0.97	-0.97
Col1	74	1.45	0.00	0.69	0.69
Col1	75	1.45	0.00	-0.97	-0.97
Col1	76	-0.29	0.00	-0.97	-0.97
Col1	77	-0.29	0.00	-0.97	-0.97
Col1	78	-0.29	0.00	0.69	0.69
Col1	79	-0.29	0.00	0.69	0.69
Col1	80	0.92	0.00	-0.97	-0.97
Col1	81	1.39	0.00	0.69	0.69
Col1	82	0.92	0.00	0.69	0.69
Col1	83	1.39	0.00	-0.97	-0.97
Col1	84	0.66	0.00	0.69	0.69
Col1	85	1.13	0.00	0.69	0.69
Col1	86	0.66	0.00	-0.97	-0.97
Col1	87	1.13	0.00	-0.97	-0.97
Col1	88	2.23	0.00	0.69	0.69
Col1	89	2.23	0.00	-0.97	-0.97
Col1	90	0.50	0.00	-0.97	-0.97

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col1	91	0.50	0.00	-0.97	-0.97
Col1	92	0.50	0.00	0.69	0.69
Col1	93	0.50	0.00	0.69	0.69
Col1	94	1.71	0.00	-0.97	-0.97
Col1	95	2.18	0.00	0.69	0.69
Col1	96	1.71	0.00	0.69	0.69
Col1	97	2.18	0.00	-0.97	-0.97
Col1	98	-1.12	0.00	0.69	0.69
Col1	99	-0.65	0.00	0.69	0.69
Col1	100	-1.12	0.00	-0.97	-0.97
Col1	101	-0.65	0.00	-0.97	-0.97
Col1	102	0.46	0.00	0.69	0.69
Col1	103	0.46	0.00	-0.97	-0.97
Col1	104	-1.28	0.00	-0.97	-0.97
Col1	105	-1.28	0.00	-0.97	-0.97
Col1	106	-1.28	0.00	0.69	0.69
Col1	107	-1.28	0.00	0.69	0.69
Col1	108	-0.07	0.00	-0.97	-0.97
Col1	109	0.40	0.00	0.69	0.69
Col1	110	-0.07	0.00	0.69	0.69
Col1	111	0.40	0.00	-0.97	-0.97
Col1	112	-0.52	0.00	0.69	0.69
Col1	113	-0.05	0.00	0.69	0.69
Col1	114	-0.52	0.00	-0.97	-0.97
Col1	115	-0.05	0.00	-0.97	-0.97
Col1	116	1.06	0.00	0.69	0.69
Col1	117	1.06	0.00	-0.97	-0.97
Col1	118	-0.68	0.00	-0.97	-0.97
Col1	119	-0.68	0.00	-0.97	-0.97
Col1	120	-0.68	0.00	0.69	0.69
Col1	121	-0.68	0.00	0.69	0.69
Col1	122	0.53	0.00	-0.97	-0.97
Col1	123	1.00	0.00	0.69	0.69
Col1	124	0.53	0.00	0.69	0.69
Col1	125	1.00	0.00	-0.97	-0.97
Col1	126	0.26	0.00	0.69	0.69
Col1	127	0.74	0.00	0.69	0.69
Col1	128	0.26	0.00	-0.97	-0.97
Col1	129	0.74	0.00	-0.97	-0.97
Col1	130	1.84	0.00	0.69	0.69
Col1	131	1.84	0.00	-0.97	-0.97
Col1	132	0.10	0.00	-0.97	-0.97
Col1	133	0.10	0.00	-0.97	-0.97
Col1	134	0.10	0.00	0.69	0.69
Col1	135	0.10	0.00	0.69	0.69
Col1	136	1.32	0.00	-0.97	-0.97
Col1	137	1.79	0.00	0.69	0.69
Col1	138	1.32	0.00	0.69	0.69
Col1	139	1.79	0.00	-0.97	-0.97
Col1	140	0.70	0.00	0.00	0.00
Col1	141	0.66	0.00	0.00	0.00
Col1	142	1.39	0.00	0.00	0.00
Col1	143	1.35	0.00	0.00	0.00
Col1	144	5.03	0.00	0.00	0.00

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col1	145	2.90	0.00	0.00	0.00
Col1	146	2.23	0.00	0.00	0.00
Col1	147	2.20	0.00	0.00	0.00
Col1	148	2.33	0.00	0.00	0.00
Col1	149	2.50	0.00	0.00	0.00
Col1	150	2.63	0.00	0.00	0.00
Col1	151	2.15	0.00	0.00	0.00
Col1	152	2.15	0.00	0.00	0.00
Col1	153	1.84	0.00	0.00	0.00
Col1	154	1.81	0.00	0.00	0.00
Col1	155	1.94	0.00	0.00	0.00
Col1	156	2.11	0.00	0.00	0.00
Col1	157	2.24	0.00	0.00	0.00
Col1	158	1.76	0.00	0.00	0.00
Col1	159	1.76	0.00	0.00	0.00
Col1	160	4.55	0.00	0.00	0.00
Col1	161	4.69	0.00	0.00	0.00
Col1	162	4.85	0.00	0.00	0.00
Col1	163	4.99	0.00	0.00	0.00
Col1	164	4.51	0.00	0.00	0.00
Col1	165	4.51	0.00	0.00	0.00
Col1	166	4.16	0.00	0.00	0.00
Col1	167	4.30	0.00	0.00	0.00
Col1	168	4.46	0.00	0.00	0.00
Col1	169	4.60	0.00	0.00	0.00
Col1	170	4.12	0.00	0.00	0.00
Col1	171	4.12	0.00	0.00	0.00
Col1	172	-0.73	0.00	0.00	0.00
Col1	173	-0.26	0.00	0.00	0.00
Col1	174	0.32	0.00	0.00	0.00
Col1	175	0.79	0.00	0.00	0.00
Col1	176	-0.89	0.00	0.00	0.00
Col1	177	-0.89	0.00	0.00	0.00
Col1	178	-0.13	0.00	0.00	0.00
Col1	179	0.34	0.00	0.00	0.00
Col1	180	0.92	0.00	0.00	0.00
Col1	181	1.39	0.00	0.00	0.00
Col1	182	-0.29	0.00	0.00	0.00
Col1	183	-0.29	0.00	0.00	0.00
Col1	184	0.66	0.00	0.00	0.00
Col1	185	1.13	0.00	0.00	0.00
Col1	186	1.71	0.00	0.00	0.00
Col1	187	2.18	0.00	0.00	0.00
Col1	188	0.50	0.00	0.00	0.00
Col1	189	0.50	0.00	0.00	0.00
Col1	190	-1.12	0.00	0.00	0.00
Col1	191	-0.65	0.00	0.00	0.00
Col1	192	-0.07	0.00	0.00	0.00
Col1	193	0.40	0.00	0.00	0.00
Col1	194	-1.28	0.00	0.00	0.00
Col1	195	-1.28	0.00	0.00	0.00
Col1	196	-0.52	0.00	0.00	0.00
Col1	197	-0.05	0.00	0.00	0.00
Col1	198	0.53	0.00	0.00	0.00

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col1	199	1.00	0.00	0.00	0.00
Col1	200	-0.68	0.00	0.00	0.00
Col1	201	-0.68	0.00	0.00	0.00
Col1	202	0.26	0.00	0.00	0.00
Col1	203	0.74	0.00	0.00	0.00
Col1	204	1.32	0.00	0.00	0.00
Col1	205	1.79	0.00	0.00	0.00
Col1	206	0.10	0.00	0.00	0.00
Col1	207	0.10	0.00	0.00	0.00
Col1	208	1.30	0.00	0.00	0.00
Col1	209	1.26	0.00	0.00	0.00
Col2	1	6.23	0.00	0.00	0.00
Col2	2	1.84	0.00	0.00	0.00
Col2	3	8.71	0.00	0.00	0.00
Col2	4	4.62	0.32	-0.55	-0.55
Col2	5	4.62	0.32	0.38	0.38
Col2	6	6.52	0.00	-0.55	-0.55
Col2	7	6.52	0.00	0.38	0.38
Col2	8	5.20	0.40	-0.55	-0.55
Col2	9	5.20	0.40	0.38	0.38
Col2	10	7.09	0.00	-0.55	-0.55
Col2	11	7.09	0.00	0.38	0.38
Col2	12	5.33	0.00	-0.55	-0.55
Col2	13	5.33	0.00	-0.55	-0.55
Col2	14	5.33	0.00	0.38	0.38
Col2	15	5.33	0.00	0.38	0.38
Col2	16	5.38	0.00	0.00	0.00
Col2	17	7.85	0.00	0.00	0.00
Col2	18	3.77	0.32	-0.55	-0.55
Col2	19	3.77	0.32	0.38	0.38
Col2	20	5.67	0.00	-0.55	-0.55
Col2	21	5.67	0.00	0.38	0.38
Col2	22	4.34	0.40	-0.55	-0.55
Col2	23	4.34	0.40	0.38	0.38
Col2	24	6.24	0.00	-0.55	-0.55
Col2	25	6.24	0.00	0.38	0.38
Col2	26	4.47	0.00	-0.55	-0.55
Col2	27	4.47	0.00	-0.55	-0.55
Col2	28	4.47	0.00	0.38	0.38
Col2	29	4.47	0.00	0.38	0.38
Col2	30	12.24	0.00	0.00	0.00
Col2	31	10.63	0.32	-0.55	-0.55
Col2	32	10.63	0.32	0.38	0.38
Col2	33	12.52	0.00	-0.55	-0.55
Col2	34	12.52	0.00	0.38	0.38
Col2	35	11.20	0.40	-0.55	-0.55
Col2	36	11.20	0.40	0.38	0.38
Col2	37	13.09	0.00	-0.55	-0.55
Col2	38	13.09	0.00	0.38	0.38
Col2	39	11.33	0.00	-0.55	-0.55
Col2	40	11.33	0.00	-0.55	-0.55
Col2	41	11.33	0.00	0.38	0.38
Col2	42	11.33	0.00	0.38	0.38
Col2	43	11.38	0.00	0.00	0.00

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col2	44	9.77	0.32	-0.55	-0.55
Col2	45	9.77	0.32	0.38	0.38
Col2	46	11.67	0.00	-0.55	-0.55
Col2	47	11.67	0.00	0.38	0.38
Col2	48	10.35	0.40	-0.55	-0.55
Col2	49	10.35	0.40	0.38	0.38
Col2	50	12.24	0.00	-0.55	-0.55
Col2	51	12.24	0.00	0.38	0.38
Col2	52	10.47	0.00	-0.55	-0.55
Col2	53	10.47	0.00	-0.55	-0.55
Col2	54	10.47	0.00	0.38	0.38
Col2	55	10.47	0.00	0.38	0.38
Col2	56	-3.98	1.13	1.34	1.34
Col2	57	2.66	0.00	1.34	1.34
Col2	58	-3.98	1.13	-1.93	-1.93
Col2	59	2.66	0.00	-1.93	-1.93
Col2	60	1.65	0.00	1.34	1.34
Col2	61	1.65	0.00	-1.93	-1.93
Col2	62	-1.52	0.00	-1.93	-1.93
Col2	63	-1.52	0.00	-1.93	-1.93
Col2	64	-1.52	0.00	1.34	1.34
Col2	65	-1.52	0.00	1.34	1.34
Col2	66	-1.97	1.40	-1.93	-1.93
Col2	67	4.65	0.00	1.34	1.34
Col2	68	-1.97	1.40	1.34	1.34
Col2	69	4.65	0.00	-1.93	-1.93
Col2	70	-2.45	1.13	1.34	1.34
Col2	71	4.18	0.00	1.34	1.34
Col2	72	-2.45	1.13	-1.93	-1.93
Col2	73	4.18	0.00	-1.93	-1.93
Col2	74	3.18	0.00	1.34	1.34
Col2	75	3.18	0.00	-1.93	-1.93
Col2	76	0.00	0.00	-1.93	-1.93
Col2	77	0.00	0.00	-1.93	-1.93
Col2	78	0.00	0.00	1.34	1.34
Col2	79	0.00	0.00	1.34	1.34
Col2	80	-0.44	1.40	-1.93	-1.93
Col2	81	6.18	0.00	1.34	1.34
Col2	82	-0.44	1.40	1.34	1.34
Col2	83	6.18	0.00	-1.93	-1.93
Col2	84	-0.45	1.13	1.34	1.34
Col2	85	6.19	0.00	1.34	1.34
Col2	86	-0.45	1.13	-1.93	-1.93
Col2	87	6.19	0.00	-1.93	-1.93
Col2	88	5.18	0.00	1.34	1.34
Col2	89	5.18	0.00	-1.93	-1.93
Col2	90	2.01	0.00	-1.93	-1.93
Col2	91	2.01	0.00	-1.93	-1.93
Col2	92	2.01	0.00	1.34	1.34
Col2	93	2.01	0.00	1.34	1.34
Col2	94	1.56	1.40	-1.93	-1.93
Col2	95	8.18	0.00	1.34	1.34
Col2	96	1.56	1.40	1.34	1.34
Col2	97	8.18	0.00	-1.93	-1.93

	Job No	011467_RF	**Date**	3/26/2024	
	Customer	Norsteel Buildings	**Designed By**	MQZ	
	Description	2040503 Ontario Inc/NS24-11			
		Vars/ON/K0A 3H0			

Col2	98	-4.84	1.13	1.34	1.34
Col2	99	1.80	0.00	1.34	1.34
Col2	100	-4.84	1.13	-1.93	-1.93
Col2	101	1.80	0.00	-1.93	-1.93
Col2	102	0.79	0.00	1.34	1.34
Col2	103	0.79	0.00	-1.93	-1.93
Col2	104	-2.38	0.00	-1.93	-1.93
Col2	105	-2.38	0.00	-1.93	-1.93
Col2	106	-2.38	0.00	1.34	1.34
Col2	107	-2.38	0.00	1.34	1.34
Col2	108	-2.82	1.40	-1.93	-1.93
Col2	109	3.79	0.00	1.34	1.34
Col2	110	-2.82	1.40	1.34	1.34
Col2	111	3.79	0.00	-1.93	-1.93
Col2	112	-3.31	1.13	1.34	1.34
Col2	113	3.33	0.00	1.34	1.34
Col2	114	-3.31	1.13	-1.93	-1.93
Col2	115	3.33	0.00	-1.93	-1.93
Col2	116	2.32	0.00	1.34	1.34
Col2	117	2.32	0.00	-1.93	-1.93
Col2	118	-0.85	0.00	-1.93	-1.93
Col2	119	-0.85	0.00	-1.93	-1.93
Col2	120	-0.85	0.00	1.34	1.34
Col2	121	-0.85	0.00	1.34	1.34
Col2	122	-1.29	1.40	-1.93	-1.93
Col2	123	5.32	0.00	1.34	1.34
Col2	124	-1.29	1.40	1.34	1.34
Col2	125	5.32	0.00	-1.93	-1.93
Col2	126	-1.31	1.13	1.34	1.34
Col2	127	5.33	0.00	1.34	1.34
Col2	128	-1.31	1.13	-1.93	-1.93
Col2	129	5.33	0.00	-1.93	-1.93
Col2	130	4.32	0.00	1.34	1.34
Col2	131	4.32	0.00	-1.93	-1.93
Col2	132	1.15	0.00	-1.93	-1.93
Col2	133	1.15	0.00	-1.93	-1.93
Col2	134	1.15	0.00	1.34	1.34
Col2	135	1.15	0.00	1.34	1.34
Col2	136	0.71	1.40	-1.93	-1.93
Col2	137	7.32	0.00	1.34	1.34
Col2	138	0.71	1.40	1.34	1.34
Col2	139	7.32	0.00	-1.93	-1.93
Col2	140	-0.68	1.54	0.00	0.00
Col2	141	3.45	0.00	0.00	0.00
Col2	142	1.08	1.54	0.00	0.00
Col2	143	5.21	0.00	0.00	0.00
Col2	144	12.02	0.01	0.00	0.00
Col2	145	7.15	0.01	0.00	0.00
Col2	146	5.18	0.00	0.00	0.00
Col2	147	4.62	0.32	0.00	0.00
Col2	148	6.52	0.00	0.00	0.00
Col2	149	5.20	0.40	0.00	0.00
Col2	150	7.09	0.00	0.00	0.00
Col2	151	5.33	0.00	0.00	0.00

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col2	152	5.33	0.00	0.00	0.00
Col2	153	4.32	0.00	0.00	0.00
Col2	154	3.77	0.32	0.00	0.00
Col2	155	5.67	0.00	0.00	0.00
Col2	156	4.34	0.40	0.00	0.00
Col2	157	6.24	0.00	0.00	0.00
Col2	158	4.47	0.00	0.00	0.00
Col2	159	4.47	0.00	0.00	0.00
Col2	160	10.63	0.32	0.00	0.00
Col2	161	12.52	0.00	0.00	0.00
Col2	162	11.20	0.40	0.00	0.00
Col2	163	13.09	0.00	0.00	0.00
Col2	164	11.33	0.00	0.00	0.00
Col2	165	11.33	0.00	0.00	0.00
Col2	166	9.77	0.32	0.00	0.00
Col2	167	11.67	0.00	0.00	0.00
Col2	168	10.35	0.40	0.00	0.00
Col2	169	12.24	0.00	0.00	0.00
Col2	170	10.47	0.00	0.00	0.00
Col2	171	10.47	0.00	0.00	0.00
Col2	172	-3.98	1.13	0.00	0.00
Col2	173	2.66	0.00	0.00	0.00
Col2	174	-1.97	1.40	0.00	0.00
Col2	175	4.65	0.00	0.00	0.00
Col2	176	-1.52	0.00	0.00	0.00
Col2	177	-1.52	0.00	0.00	0.00
Col2	178	-2.45	1.13	0.00	0.00
Col2	179	4.18	0.00	0.00	0.00
Col2	180	-0.44	1.40	0.00	0.00
Col2	181	6.18	0.00	0.00	0.00
Col2	182	0.00	0.00	0.00	0.00
Col2	183	0.00	0.00	0.00	0.00
Col2	184	-0.45	1.13	0.00	0.00
Col2	185	6.19	0.00	0.00	0.00
Col2	186	1.56	1.40	0.00	0.00
Col2	187	8.18	0.00	0.00	0.00
Col2	188	2.01	0.00	0.00	0.00
Col2	189	2.01	0.00	0.00	0.00
Col2	190	-4.84	1.13	0.00	0.00
Col2	191	1.80	0.00	0.00	0.00
Col2	192	-2.82	1.40	0.00	0.00
Col2	193	3.79	0.00	0.00	0.00
Col2	194	-2.38	0.00	0.00	0.00
Col2	195	-2.38	0.00	0.00	0.00
Col2	196	-3.31	1.13	0.00	0.00
Col2	197	3.33	0.00	0.00	0.00
Col2	198	-1.29	1.40	0.00	0.00
Col2	199	5.32	0.00	0.00	0.00
Col2	200	-0.85	0.00	0.00	0.00
Col2	201	-0.85	0.00	0.00	0.00
Col2	202	-1.31	1.13	0.00	0.00
Col2	203	5.33	0.00	0.00	0.00
Col2	204	0.71	1.40	0.00	0.00
Col2	205	7.32	0.00	0.00	0.00

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col2	206	1.15	0.00	0.00	0.00
Col2	207	1.15	0.00	0.00	0.00
Col2	208	0.85	1.54	0.00	0.00
Col2	209	4.97	0.00	0.00	0.00
Col3	1	6.25	0.00	0.00	0.00
Col3	2	1.87	0.00	0.00	0.00
Col3	3	8.72	0.00	0.00	0.00
Col3	4	5.47	0.00	-0.59	-0.59
Col3	5	5.47	0.00	0.41	0.41
Col3	6	4.57	0.72	-0.59	-0.59
Col3	7	4.57	0.72	0.41	0.41
Col3	8	6.25	0.00	-0.59	-0.59
Col3	9	6.25	0.00	0.41	0.41
Col3	10	5.36	0.64	-0.59	-0.59
Col3	11	5.36	0.64	0.41	0.41
Col3	12	4.81	0.19	-0.59	-0.59
Col3	13	4.81	0.19	-0.59	-0.59
Col3	14	4.81	0.19	0.41	0.41
Col3	15	4.81	0.19	0.41	0.41
Col3	16	5.39	0.00	0.00	0.00
Col3	17	7.86	0.00	0.00	0.00
Col3	18	4.61	0.00	-0.59	-0.59
Col3	19	4.61	0.00	0.41	0.41
Col3	20	3.71	0.72	-0.59	-0.59
Col3	21	3.71	0.72	0.41	0.41
Col3	22	5.39	0.00	-0.59	-0.59
Col3	23	5.39	0.00	0.41	0.41
Col3	24	4.49	0.64	-0.59	-0.59
Col3	25	4.49	0.64	0.41	0.41
Col3	26	3.95	0.19	-0.59	-0.59
Col3	27	3.95	0.19	-0.59	-0.59
Col3	28	3.95	0.19	0.41	0.41
Col3	29	3.95	0.19	0.41	0.41
Col3	30	12.25	0.00	0.00	0.00
Col3	31	11.47	0.00	-0.59	-0.59
Col3	32	11.47	0.00	0.41	0.41
Col3	33	10.57	0.72	-0.59	-0.59
Col3	34	10.57	0.72	0.41	0.41
Col3	35	12.25	0.00	-0.59	-0.59
Col3	36	12.25	0.00	0.41	0.41
Col3	37	11.35	0.64	-0.59	-0.59
Col3	38	11.35	0.64	0.41	0.41
Col3	39	10.81	0.19	-0.59	-0.59
Col3	40	10.81	0.19	-0.59	-0.59
Col3	41	10.81	0.19	0.41	0.41
Col3	42	10.81	0.19	0.41	0.41
Col3	43	11.39	0.00	0.00	0.00
Col3	44	10.61	0.00	-0.59	-0.59
Col3	45	10.61	0.00	0.41	0.41
Col3	46	9.71	0.72	-0.59	-0.59
Col3	47	9.71	0.72	0.41	0.41
Col3	48	11.39	0.00	-0.59	-0.59
Col3	49	11.39	0.00	0.41	0.41
Col3	50	10.49	0.64	-0.59	-0.59

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col3	51	10.49	0.64	0.41	0.41
Col3	52	9.95	0.19	-0.59	-0.59
Col3	53	9.95	0.19	-0.59	-0.59
Col3	54	9.95	0.19	0.41	0.41
Col3	55	9.95	0.19	0.41	0.41
Col3	56	-1.05	0.00	1.43	1.43
Col3	57	-4.21	2.52	1.43	1.43
Col3	58	-1.05	0.00	-2.06	-2.06
Col3	59	-4.21	2.52	-2.06	-2.06
Col3	60	1.67	0.00	1.43	1.43
Col3	61	1.67	0.00	-2.06	-2.06
Col3	62	-3.36	0.68	-2.06	-2.06
Col3	63	-3.36	0.68	-2.06	-2.06
Col3	64	-3.36	0.68	1.43	1.43
Col3	65	-3.36	0.68	1.43	1.43
Col3	66	1.67	0.00	-2.06	-2.06
Col3	67	-1.46	2.24	1.43	1.43
Col3	68	1.67	0.00	1.43	1.43
Col3	69	-1.46	2.24	-2.06	-2.06
Col3	70	0.48	0.00	1.43	1.43
Col3	71	-2.68	2.52	1.43	1.43
Col3	72	0.48	0.00	-2.06	-2.06
Col3	73	-2.68	2.52	-2.06	-2.06
Col3	74	3.20	0.00	1.43	1.43
Col3	75	3.20	0.00	-2.06	-2.06
Col3	76	-1.83	0.68	-2.06	-2.06
Col3	77	-1.83	0.68	-2.06	-2.06
Col3	78	-1.83	0.68	1.43	1.43
Col3	79	-1.83	0.68	1.43	1.43
Col3	80	3.20	0.00	-2.06	-2.06
Col3	81	0.06	2.24	1.43	1.43
Col3	82	3.20	0.00	1.43	1.43
Col3	83	0.06	2.24	-2.06	-2.06
Col3	84	2.48	0.00	1.43	1.43
Col3	85	-0.68	2.52	1.43	1.43
Col3	86	2.48	0.00	-2.06	-2.06
Col3	87	-0.68	2.52	-2.06	-2.06
Col3	88	5.20	0.00	1.43	1.43
Col3	89	5.20	0.00	-2.06	-2.06
Col3	90	0.17	0.68	-2.06	-2.06
Col3	91	0.17	0.68	-2.06	-2.06
Col3	92	0.17	0.68	1.43	1.43
Col3	93	0.17	0.68	1.43	1.43
Col3	94	5.20	0.00	-2.06	-2.06
Col3	95	2.06	2.24	1.43	1.43
Col3	96	5.20	0.00	1.43	1.43
Col3	97	2.06	2.24	-2.06	-2.06
Col3	98	-1.91	0.00	1.43	1.43
Col3	99	-5.07	2.52	1.43	1.43
Col3	100	-1.91	0.00	-2.06	-2.06
Col3	101	-5.07	2.52	-2.06	-2.06
Col3	102	0.81	0.00	1.43	1.43
Col3	103	0.81	0.00	-2.06	-2.06
Col3	104	-4.22	0.68	-2.06	-2.06

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col3	105	-4.22	0.68	-2.06	-2.06
Col3	106	-4.22	0.68	1.43	1.43
Col3	107	-4.22	0.68	1.43	1.43
Col3	108	0.81	0.00	-2.06	-2.06
Col3	109	-2.33	2.24	1.43	1.43
Col3	110	0.81	0.00	1.43	1.43
Col3	111	-2.33	2.24	-2.06	-2.06
Col3	112	-0.38	0.00	1.43	1.43
Col3	113	-3.55	2.52	1.43	1.43
Col3	114	-0.38	0.00	-2.06	-2.06
Col3	115	-3.55	2.52	-2.06	-2.06
Col3	116	2.34	0.00	1.43	1.43
Col3	117	2.34	0.00	-2.06	-2.06
Col3	118	-2.69	0.68	-2.06	-2.06
Col3	119	-2.69	0.68	-2.06	-2.06
Col3	120	-2.69	0.68	1.43	1.43
Col3	121	-2.69	0.68	1.43	1.43
Col3	122	2.34	0.00	-2.06	-2.06
Col3	123	-0.80	2.24	1.43	1.43
Col3	124	2.34	0.00	1.43	1.43
Col3	125	-0.80	2.24	-2.06	-2.06
Col3	126	1.61	0.00	1.43	1.43
Col3	127	-1.55	2.52	1.43	1.43
Col3	128	1.61	0.00	-2.06	-2.06
Col3	129	-1.55	2.52	-2.06	-2.06
Col3	130	4.33	0.00	1.43	1.43
Col3	131	4.33	0.00	-2.06	-2.06
Col3	132	-0.69	0.68	-2.06	-2.06
Col3	133	-0.69	0.68	-2.06	-2.06
Col3	134	-0.69	0.68	1.43	1.43
Col3	135	-0.69	0.68	1.43	1.43
Col3	136	4.34	0.00	-2.06	-2.06
Col3	137	1.20	2.24	1.43	1.43
Col3	138	4.34	0.00	1.43	1.43
Col3	139	1.20	2.24	-2.06	-2.06
Col3	140	3.30	0.00	0.00	0.00
Col3	141	-0.76	1.54	0.00	0.00
Col3	142	5.06	0.00	0.00	0.00
Col3	143	1.01	1.54	0.00	0.00
Col3	144	7.21	0.00	0.00	0.00
Col3	145	12.02	0.00	0.00	0.00
Col3	146	5.20	0.00	0.00	0.00
Col3	147	5.47	0.00	0.00	0.00
Col3	148	4.57	0.72	0.00	0.00
Col3	149	6.25	0.00	0.00	0.00
Col3	150	5.36	0.64	0.00	0.00
Col3	151	4.81	0.19	0.00	0.00
Col3	152	4.81	0.19	0.00	0.00
Col3	153	4.33	0.00	0.00	0.00
Col3	154	4.61	0.00	0.00	0.00
Col3	155	3.71	0.72	0.00	0.00
Col3	156	5.39	0.00	0.00	0.00
Col3	157	4.49	0.64	0.00	0.00
Col3	158	3.95	0.19	0.00	0.00

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col3	159	3.95	0.19	0.00	0.00
Col3	160	11.47	0.00	0.00	0.00
Col3	161	10.57	0.72	0.00	0.00
Col3	162	12.25	0.00	0.00	0.00
Col3	163	11.35	0.64	0.00	0.00
Col3	164	10.81	0.19	0.00	0.00
Col3	165	10.81	0.19	0.00	0.00
Col3	166	10.61	0.00	0.00	0.00
Col3	167	9.71	0.72	0.00	0.00
Col3	168	11.39	0.00	0.00	0.00
Col3	169	10.49	0.64	0.00	0.00
Col3	170	9.95	0.19	0.00	0.00
Col3	171	9.95	0.19	0.00	0.00
Col3	172	-1.05	0.00	0.00	0.00
Col3	173	-4.21	2.52	0.00	0.00
Col3	174	1.67	0.00	0.00	0.00
Col3	175	-1.46	2.24	0.00	0.00
Col3	176	-3.36	0.68	0.00	0.00
Col3	177	-3.36	0.68	0.00	0.00
Col3	178	0.48	0.00	0.00	0.00
Col3	179	-2.68	2.52	0.00	0.00
Col3	180	3.20	0.00	0.00	0.00
Col3	181	0.06	2.24	0.00	0.00
Col3	182	-1.83	0.68	0.00	0.00
Col3	183	-1.83	0.68	0.00	0.00
Col3	184	2.48	0.00	0.00	0.00
Col3	185	-0.68	2.52	0.00	0.00
Col3	186	5.20	0.00	0.00	0.00
Col3	187	2.06	2.24	0.00	0.00
Col3	188	0.17	0.68	0.00	0.00
Col3	189	0.17	0.68	0.00	0.00
Col3	190	-1.91	0.00	0.00	0.00
Col3	191	-5.07	2.52	0.00	0.00
Col3	192	0.81	0.00	0.00	0.00
Col3	193	-2.33	2.24	0.00	0.00
Col3	194	-4.22	0.68	0.00	0.00
Col3	195	-4.22	0.68	0.00	0.00
Col3	196	-0.38	0.00	0.00	0.00
Col3	197	-3.55	2.52	0.00	0.00
Col3	198	2.34	0.00	0.00	0.00
Col3	199	-0.80	2.24	0.00	0.00
Col3	200	-2.69	0.68	0.00	0.00
Col3	201	-2.69	0.68	0.00	0.00
Col3	202	1.61	0.00	0.00	0.00
Col3	203	-1.55	2.52	0.00	0.00
Col3	204	4.34	0.00	0.00	0.00
Col3	205	1.20	2.24	0.00	0.00
Col3	206	-0.69	0.68	0.00	0.00
Col3	207	-0.69	0.68	0.00	0.00
Col3	208	4.83	0.00	0.00	0.00
Col3	209	0.77	1.54	0.00	0.00
Col4	1	2.78	0.00	0.00	0.00
Col4	2	1.05	0.00	0.00	0.00
Col4	3	3.78	0.00	0.00	0.00

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col4	4	2.34	0.00	-0.34	-0.34
Col4	5	2.34	0.00	0.24	0.24
Col4	6	2.47	0.00	-0.34	-0.34
Col4	7	2.47	0.00	0.24	0.24
Col4	8	2.58	0.00	-0.34	-0.34
Col4	9	2.58	0.00	0.24	0.24
Col4	10	2.71	0.00	-0.34	-0.34
Col4	11	2.71	0.00	0.24	0.24
Col4	12	2.35	0.00	-0.34	-0.34
Col4	13	2.35	0.00	-0.34	-0.34
Col4	14	2.35	0.00	0.24	0.24
Col4	15	2.35	0.00	0.24	0.24
Col4	16	2.36	0.00	0.00	0.00
Col4	17	3.36	0.00	0.00	0.00
Col4	18	1.92	0.00	-0.34	-0.34
Col4	19	1.92	0.00	0.24	0.24
Col4	20	2.05	0.00	-0.34	-0.34
Col4	21	2.05	0.00	0.24	0.24
Col4	22	2.16	0.00	-0.34	-0.34
Col4	23	2.16	0.00	0.24	0.24
Col4	24	2.29	0.00	-0.34	-0.34
Col4	25	2.29	0.00	0.24	0.24
Col4	26	1.93	0.00	-0.34	-0.34
Col4	27	1.93	0.00	-0.34	-0.34
Col4	28	1.93	0.00	0.24	0.24
Col4	29	1.93	0.00	0.24	0.24
Col4	30	5.20	0.00	0.00	0.00
Col4	31	4.76	0.00	-0.34	-0.34
Col4	32	4.76	0.00	0.24	0.24
Col4	33	4.89	0.00	-0.34	-0.34
Col4	34	4.89	0.00	0.24	0.24
Col4	35	5.00	0.00	-0.34	-0.34
Col4	36	5.00	0.00	0.24	0.24
Col4	37	5.13	0.00	-0.34	-0.34
Col4	38	5.13	0.00	0.24	0.24
Col4	39	4.76	0.00	-0.34	-0.34
Col4	40	4.76	0.00	-0.34	-0.34
Col4	41	4.76	0.00	0.24	0.24
Col4	42	4.76	0.00	0.24	0.24
Col4	43	4.78	0.00	0.00	0.00
Col4	44	4.34	0.00	-0.34	-0.34
Col4	45	4.34	0.00	0.24	0.24
Col4	46	4.47	0.00	-0.34	-0.34
Col4	47	4.47	0.00	0.24	0.24
Col4	48	4.57	0.00	-0.34	-0.34
Col4	49	4.57	0.00	0.24	0.24
Col4	50	4.71	0.00	-0.34	-0.34
Col4	51	4.71	0.00	0.24	0.24
Col4	52	4.34	0.00	-0.34	-0.34
Col4	53	4.34	0.00	-0.34	-0.34
Col4	54	4.34	0.00	0.24	0.24
Col4	55	4.34	0.00	0.24	0.24
Col4	56	-0.60	0.00	0.83	0.83
Col4	57	-0.14	0.00	0.83	0.83

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col4	58	-0.60	0.00	-1.17	-1.17
Col4	59	-0.14	0.00	-1.17	-1.17
Col4	60	0.93	0.00	0.83	0.83
Col4	61	0.93	0.00	-1.17	-1.17
Col4	62	-0.59	0.00	-1.17	-1.17
Col4	63	-0.59	0.00	-1.17	-1.17
Col4	64	-0.59	0.00	0.83	0.83
Col4	65	-0.59	0.00	0.83	0.83
Col4	66	0.22	0.00	-1.17	-1.17
Col4	67	0.68	0.00	0.83	0.83
Col4	68	0.22	0.00	0.83	0.83
Col4	69	0.68	0.00	-1.17	-1.17
Col4	70	0.02	0.00	0.83	0.83
Col4	71	0.48	0.00	0.83	0.83
Col4	72	0.02	0.00	-1.17	-1.17
Col4	73	0.48	0.00	-1.17	-1.17
Col4	74	1.55	0.00	0.83	0.83
Col4	75	1.55	0.00	-1.17	-1.17
Col4	76	0.03	0.00	-1.17	-1.17
Col4	77	0.03	0.00	-1.17	-1.17
Col4	78	0.03	0.00	0.83	0.83
Col4	79	0.03	0.00	0.83	0.83
Col4	80	0.84	0.00	-1.17	-1.17
Col4	81	1.30	0.00	0.83	0.83
Col4	82	0.84	0.00	0.83	0.83
Col4	83	1.30	0.00	-1.17	-1.17
Col4	84	0.82	0.00	0.83	0.83
Col4	85	1.28	0.00	0.83	0.83
Col4	86	0.82	0.00	-1.17	-1.17
Col4	87	1.28	0.00	-1.17	-1.17
Col4	88	2.36	0.00	0.83	0.83
Col4	89	2.36	0.00	-1.17	-1.17
Col4	90	0.83	0.00	-1.17	-1.17
Col4	91	0.83	0.00	-1.17	-1.17
Col4	92	0.83	0.00	0.83	0.83
Col4	93	0.83	0.00	0.83	0.83
Col4	94	1.64	0.00	-1.17	-1.17
Col4	95	2.10	0.00	0.83	0.83
Col4	96	1.64	0.00	0.83	0.83
Col4	97	2.10	0.00	-1.17	-1.17
Col4	98	-1.02	0.00	0.83	0.83
Col4	99	-0.56	0.00	0.83	0.83
Col4	100	-1.02	0.00	-1.17	-1.17
Col4	101	-0.56	0.00	-1.17	-1.17
Col4	102	0.51	0.00	0.83	0.83
Col4	103	0.51	0.00	-1.17	-1.17
Col4	104	-1.01	0.00	-1.17	-1.17
Col4	105	-1.01	0.00	-1.17	-1.17
Col4	106	-1.01	0.00	0.83	0.83
Col4	107	-1.01	0.00	0.83	0.83
Col4	108	-0.20	0.00	-1.17	-1.17
Col4	109	0.26	0.00	0.83	0.83
Col4	110	-0.20	0.00	0.83	0.83
Col4	111	0.26	0.00	-1.17	-1.17

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col4	112	-0.40	0.00	0.83	0.83
Col4	113	0.05	0.00	0.83	0.83
Col4	114	-0.40	0.00	-1.17	-1.17
Col4	115	0.05	0.00	-1.17	-1.17
Col4	116	1.13	0.00	0.83	0.83
Col4	117	1.13	0.00	-1.17	-1.17
Col4	118	-0.39	0.00	-1.17	-1.17
Col4	119	-0.39	0.00	-1.17	-1.17
Col4	120	-0.39	0.00	0.83	0.83
Col4	121	-0.39	0.00	0.83	0.83
Col4	122	0.42	0.00	-1.17	-1.17
Col4	123	0.87	0.00	0.83	0.83
Col4	124	0.42	0.00	0.83	0.83
Col4	125	0.87	0.00	-1.17	-1.17
Col4	126	0.40	0.00	0.83	0.83
Col4	127	0.86	0.00	0.83	0.83
Col4	128	0.40	0.00	-1.17	-1.17
Col4	129	0.86	0.00	-1.17	-1.17
Col4	130	1.94	0.00	0.83	0.83
Col4	131	1.94	0.00	-1.17	-1.17
Col4	132	0.41	0.00	-1.17	-1.17
Col4	133	0.41	0.00	-1.17	-1.17
Col4	134	0.41	0.00	0.83	0.83
Col4	135	0.41	0.00	0.83	0.83
Col4	136	1.22	0.00	-1.17	-1.17
Col4	137	1.68	0.00	0.83	0.83
Col4	138	1.22	0.00	0.83	0.83
Col4	139	1.68	0.00	-1.17	-1.17
Col4	140	0.77	0.00	0.00	0.00
Col4	141	0.73	0.00	0.00	0.00
Col4	142	1.48	0.00	0.00	0.00
Col4	143	1.44	0.00	0.00	0.00
Col4	144	3.04	0.00	0.00	0.00
Col4	145	5.23	0.00	0.00	0.00
Col4	146	2.36	0.00	0.00	0.00
Col4	147	2.34	0.00	0.00	0.00
Col4	148	2.47	0.00	0.00	0.00
Col4	149	2.58	0.00	0.00	0.00
Col4	150	2.71	0.00	0.00	0.00
Col4	151	2.35	0.00	0.00	0.00
Col4	152	2.35	0.00	0.00	0.00
Col4	153	1.94	0.00	0.00	0.00
Col4	154	1.92	0.00	0.00	0.00
Col4	155	2.05	0.00	0.00	0.00
Col4	156	2.16	0.00	0.00	0.00
Col4	157	2.29	0.00	0.00	0.00
Col4	158	1.93	0.00	0.00	0.00
Col4	159	1.93	0.00	0.00	0.00
Col4	160	4.76	0.00	0.00	0.00
Col4	161	4.89	0.00	0.00	0.00
Col4	162	5.00	0.00	0.00	0.00
Col4	163	5.13	0.00	0.00	0.00
Col4	164	4.76	0.00	0.00	0.00
Col4	165	4.76	0.00	0.00	0.00

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col4	166	4.34	0.00	0.00	0.00
Col4	167	4.47	0.00	0.00	0.00
Col4	168	4.57	0.00	0.00	0.00
Col4	169	4.71	0.00	0.00	0.00
Col4	170	4.34	0.00	0.00	0.00
Col4	171	4.34	0.00	0.00	0.00
Col4	172	-0.60	0.00	0.00	0.00
Col4	173	-0.14	0.00	0.00	0.00
Col4	174	0.22	0.00	0.00	0.00
Col4	175	0.68	0.00	0.00	0.00
Col4	176	-0.59	0.00	0.00	0.00
Col4	177	-0.59	0.00	0.00	0.00
Col4	178	0.02	0.00	0.00	0.00
Col4	179	0.48	0.00	0.00	0.00
Col4	180	0.84	0.00	0.00	0.00
Col4	181	1.30	0.00	0.00	0.00
Col4	182	0.03	0.00	0.00	0.00
Col4	183	0.03	0.00	0.00	0.00
Col4	184	0.82	0.00	0.00	0.00
Col4	185	1.28	0.00	0.00	0.00
Col4	186	1.64	0.00	0.00	0.00
Col4	187	2.10	0.00	0.00	0.00
Col4	188	0.83	0.00	0.00	0.00
Col4	189	0.83	0.00	0.00	0.00
Col4	190	-1.02	0.00	0.00	0.00
Col4	191	-0.56	0.00	0.00	0.00
Col4	192	-0.20	0.00	0.00	0.00
Col4	193	0.26	0.00	0.00	0.00
Col4	194	-1.01	0.00	0.00	0.00
Col4	195	-1.01	0.00	0.00	0.00
Col4	196	-0.40	0.00	0.00	0.00
Col4	197	0.05	0.00	0.00	0.00
Col4	198	0.42	0.00	0.00	0.00
Col4	199	0.87	0.00	0.00	0.00
Col4	200	-0.39	0.00	0.00	0.00
Col4	201	-0.39	0.00	0.00	0.00
Col4	202	0.40	0.00	0.00	0.00
Col4	203	0.86	0.00	0.00	0.00
Col4	204	1.22	0.00	0.00	0.00
Col4	205	1.68	0.00	0.00	0.00
Col4	206	0.41	0.00	0.00	0.00
Col4	207	0.41	0.00	0.00	0.00
Col4	208	1.38	0.00	0.00	0.00
Col4	209	1.35	0.00	0.00	0.00

COLUMN DEFLECTIONS - Service_Load:

Id	Load Id	Deflection(in) Calc	Limit
Col1	210	0.00	1.04
Col1	211	0.00	1.04
Col1	212	0.00	1.04
Col1	213	0.00	1.04

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col1	214	-0.02	1.04
Col1	215	-0.02	1.04
Col1	216	0.01	1.04
Col1	217	0.01	1.04
Col1	218	0.01	1.04
Col1	219	-0.02	1.04
Col1	220	-0.02	1.04
Col1	221	-0.02	1.04
Col1	222	0.01	1.04
Col1	223	0.01	1.04
Col1	224	-0.02	1.04
Col1	225	-0.02	1.04
Col1	226	0.01	1.04
Col1	227	0.01	1.04
Col1	228	-0.02	1.04
Col1	229	-0.02	1.04
Col1	230	0.01	1.04
Col1	231	0.01	1.04
Col1	232	-0.02	1.04
Col1	233	0.01	1.04
Col1	234	-0.02	1.04
Col1	235	0.01	1.04
Col1	236	-0.02	1.04
Col1	237	0.01	1.04
Col1	238	-0.02	1.04
Col1	239	-0.02	1.04
Col1	240	0.01	1.04
Col1	241	0.01	1.04
Col1	242	-0.05	1.04
Col1	243	-0.05	1.04
Col1	244	0.03	1.04
Col1	245	0.03	1.04
Col1	246	-0.05	1.04
Col1	247	0.03	1.04
Col1	248	-0.05	1.04
Col1	249	-0.05	1.04
Col1	250	0.03	1.04
Col1	251	0.03	1.04
Col1	252	-0.05	1.04
Col1	253	-0.05	1.04
Col1	254	0.03	1.04
Col1	255	0.03	1.04
Col1	256	-0.05	1.04
Col1	257	-0.05	1.04
Col1	258	0.03	1.04
Col1	259	0.03	1.04
Col1	260	-0.05	1.04
Col1	261	0.03	1.04
Col1	262	-0.05	1.04
Col1	263	-0.05	1.04
Col1	264	0.03	1.04
Col1	265	0.03	1.04
Col1	266	-0.05	1.04
Col1	267	-0.05	1.04

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col1	268	0.03	1.04
Col1	269	0.03	1.04
Col1	270	-0.05	1.04
Col1	271	-0.05	1.04
Col1	272	0.03	1.04
Col1	273	0.03	1.04
Col1	274	-0.05	1.04
Col1	275	0.03	1.04
Col1	276	-0.05	1.04
Col1	277	-0.05	1.04
Col1	278	0.03	1.04
Col1	279	0.03	1.04
Col1	280	-0.05	1.04
Col1	281	-0.05	1.04
Col1	282	0.03	1.04
Col1	283	0.03	1.04
Col1	284	0.00	1.04
Col1	285	0.00	1.04
Col1	286	0.00	1.04
Col1	287	0.00	1.04
Col1	288	0.00	1.04
Col1	289	0.00	1.04
Col1	290	0.00	1.04
Col1	291	0.00	1.04
Col1	292	0.00	1.04
Col1	293	0.00	1.04
Col1	294	-0.05	1.04
Col1	295	0.03	1.04
Col1	296	0.00	1.04
Col1	297	0.00	1.04
Col1	298	0.00	1.04
Col1	299	0.00	1.04
Col1	300	0.00	1.04
Col1	301	0.00	1.04
Col1	302	0.00	1.04
Col1	303	0.00	1.04
Col1	304	0.00	1.04
Col1	305	0.00	1.04
Col1	306	0.00	1.04
Col1	307	0.00	1.04
Col1	308	0.00	1.04
Col1	309	0.00	1.04
Col1	310	0.00	1.04
Col1	311	0.00	1.04
Col1	312	0.00	1.04
Col1	313	0.00	1.04
Col1	314	0.00	1.04
Col1	315	0.00	1.04
Col1	316	0.00	1.04
Col1	317	0.00	1.04
Col1	318	0.00	1.04
Col1	319	0.00	1.04
Col1	320	0.00	1.04
Col1	321	0.00	1.04

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col1	322	0.00	1.04
Col1	323	0.00	1.04
Col1	324	0.00	1.04
Col1	325	0.00	1.04
Col1	326	0.00	1.04
Col1	327	0.00	1.04
Col1	328	0.00	1.04
Col2	210	0.00	1.11
Col2	211	0.00	1.11
Col2	212	0.00	1.11
Col2	213	0.00	1.11
Col2	214	-0.05	1.11
Col2	215	-0.05	1.11
Col2	216	0.03	1.11
Col2	217	0.03	1.11
Col2	218	0.03	1.11
Col2	219	-0.05	1.11
Col2	220	-0.05	1.11
Col2	221	-0.05	1.11
Col2	222	0.03	1.11
Col2	223	0.03	1.11
Col2	224	-0.05	1.11
Col2	225	-0.05	1.11
Col2	226	0.03	1.11
Col2	227	0.03	1.11
Col2	228	-0.05	1.11
Col2	229	-0.05	1.11
Col2	230	0.03	1.11
Col2	231	0.03	1.11
Col2	232	-0.05	1.11
Col2	233	0.03	1.11
Col2	234	-0.05	1.11
Col2	235	0.03	1.11
Col2	236	-0.05	1.11
Col2	237	0.03	1.11
Col2	238	-0.05	1.11
Col2	239	-0.05	1.11
Col2	240	0.03	1.11
Col2	241	0.03	1.11
Col2	242	-0.12	1.11
Col2	243	-0.12	1.11
Col2	244	0.08	1.11
Col2	245	0.08	1.11
Col2	246	-0.12	1.11
Col2	247	0.08	1.11
Col2	248	-0.12	1.11
Col2	249	-0.12	1.11
Col2	250	0.08	1.11
Col2	251	0.08	1.11
Col2	252	-0.12	1.11
Col2	253	-0.12	1.11
Col2	254	0.08	1.11
Col2	255	0.08	1.11
Col2	256	-0.12	1.11

		Job No	011467_RF	**Date**	3/26/2024
		Customer	Norsteel Buildings	**Designed By**	MQZ
		Description	2040503 Ontario Inc/NS24-11		
			Vars/ON/K0A 3H0		

Col2	257	-0.12	1.11
Col2	258	0.08	1.11
Col2	259	0.08	1.11
Col2	260	-0.12	1.11
Col2	261	0.08	1.11
Col2	262	-0.12	1.11
Col2	263	-0.12	1.11
Col2	264	0.08	1.11
Col2	265	0.08	1.11
Col2	266	-0.12	1.11
Col2	267	-0.12	1.11
Col2	268	0.08	1.11
Col2	269	0.08	1.11
Col2	270	-0.12	1.11
Col2	271	-0.12	1.11
Col2	272	0.08	1.11
Col2	273	0.08	1.11
Col2	274	-0.12	1.11
Col2	275	0.08	1.11
Col2	276	-0.12	1.11
Col2	277	-0.12	1.11
Col2	278	0.08	1.11
Col2	279	0.08	1.11
Col2	280	-0.12	1.11
Col2	281	-0.12	1.11
Col2	282	0.08	1.11
Col2	283	0.08	1.11
Col2	284	0.00	1.11
Col2	285	0.00	1.11
Col2	286	0.00	1.11
Col2	287	0.00	1.11
Col2	288	0.00	1.11
Col2	289	0.00	1.11
Col2	290	0.00	1.11
Col2	291	0.00	1.11
Col2	292	0.00	1.11
Col2	293	0.00	1.11
Col2	294	-0.12	1.11
Col2	295	0.08	1.11
Col2	296	0.00	1.11
Col2	297	0.00	1.11
Col2	298	0.00	1.11
Col2	299	0.00	1.11
Col2	300	0.00	1.11
Col2	301	0.00	1.11
Col2	302	0.00	1.11
Col2	303	0.00	1.11
Col2	304	0.00	1.11
Col2	305	0.00	1.11
Col2	306	0.00	1.11
Col2	307	0.00	1.11
Col2	308	0.00	1.11
Col2	309	0.00	1.11
Col2	310	0.00	1.11

		Job No	011467_RF	**Date**	3/26/2024
		Customer	Norsteel Buildings	**Designed By**	MQZ
		Description	2040503 Ontario Inc/NS24-11		
			Vars/ON/K0A 3H0		

Col2	311	0.00	1.11
Col2	312	0.00	1.11
Col2	313	0.00	1.11
Col2	314	0.00	1.11
Col2	315	0.00	1.11
Col2	316	0.00	1.11
Col2	317	0.00	1.11
Col2	318	0.00	1.11
Col2	319	0.00	1.11
Col2	320	0.00	1.11
Col2	321	0.00	1.11
Col2	322	0.00	1.11
Col2	323	0.00	1.11
Col2	324	0.00	1.11
Col2	325	0.00	1.11
Col2	326	0.00	1.11
Col2	327	0.00	1.11
Col2	328	0.00	1.11
Col3	210	0.00	1.18
Col3	211	0.00	1.18
Col3	212	0.00	1.18
Col3	213	0.00	1.18
Col3	214	-0.06	1.18
Col3	215	-0.06	1.18
Col3	216	0.04	1.18
Col3	217	0.04	1.18
Col3	218	0.04	1.18
Col3	219	-0.06	1.18
Col3	220	-0.06	1.18
Col3	221	-0.06	1.18
Col3	222	0.04	1.18
Col3	223	0.04	1.18
Col3	224	-0.06	1.18
Col3	225	-0.06	1.18
Col3	226	0.04	1.18
Col3	227	0.04	1.18
Col3	228	-0.06	1.18
Col3	229	-0.06	1.18
Col3	230	0.04	1.18
Col3	231	0.04	1.18
Col3	232	-0.06	1.18
Col3	233	0.04	1.18
Col3	234	-0.06	1.18
Col3	235	0.04	1.18
Col3	236	-0.06	1.18
Col3	237	0.04	1.18
Col3	238	-0.06	1.18
Col3	239	-0.06	1.18
Col3	240	0.04	1.18
Col3	241	0.04	1.18
Col3	242	-0.15	1.18
Col3	243	-0.15	1.18
Col3	244	0.11	1.18
Col3	245	0.11	1.18

		Job No	011467_RF	**Date**	3/26/2024
		Customer	Norsteel Buildings	**Designed By**	MQZ
		Description	2040503 Ontario Inc/NS24-11		
			Vars/ON/K0A 3H0		

Col3	246	-0.15	1.18
Col3	247	0.11	1.18
Col3	248	-0.15	1.18
Col3	249	-0.15	1.18
Col3	250	0.11	1.18
Col3	251	0.11	1.18
Col3	252	-0.15	1.18
Col3	253	-0.15	1.18
Col3	254	0.11	1.18
Col3	255	0.11	1.18
Col3	256	-0.15	1.18
Col3	257	-0.15	1.18
Col3	258	0.11	1.18
Col3	259	0.11	1.18
Col3	260	-0.15	1.18
Col3	261	0.11	1.18
Col3	262	-0.15	1.18
Col3	263	-0.15	1.18
Col3	264	0.11	1.18
Col3	265	0.11	1.18
Col3	266	-0.15	1.18
Col3	267	-0.15	1.18
Col3	268	0.11	1.18
Col3	269	0.11	1.18
Col3	270	-0.15	1.18
Col3	271	-0.15	1.18
Col3	272	0.11	1.18
Col3	273	0.11	1.18
Col3	274	-0.15	1.18
Col3	275	0.11	1.18
Col3	276	-0.15	1.18
Col3	277	-0.15	1.18
Col3	278	0.11	1.18
Col3	279	0.11	1.18
Col3	280	-0.15	1.18
Col3	281	-0.15	1.18
Col3	282	0.11	1.18
Col3	283	0.11	1.18
Col3	284	0.00	1.18
Col3	285	0.00	1.18
Col3	286	0.00	1.18
Col3	287	0.00	1.18
Col3	288	0.00	1.18
Col3	289	0.00	1.18
Col3	290	0.00	1.18
Col3	291	0.00	1.18
Col3	292	0.00	1.18
Col3	293	0.00	1.18
Col3	294	-0.15	1.18
Col3	295	0.11	1.18
Col3	296	0.00	1.18
Col3	297	0.00	1.18
Col3	298	0.00	1.18
Col3	299	0.00	1.18

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col3	300	0.00	1.18
Col3	301	0.00	1.18
Col3	302	0.00	1.18
Col3	303	0.00	1.18
Col3	304	0.00	1.18
Col3	305	0.00	1.18
Col3	306	0.00	1.18
Col3	307	0.00	1.18
Col3	308	0.00	1.18
Col3	309	0.00	1.18
Col3	310	0.00	1.18
Col3	311	0.00	1.18
Col3	312	0.00	1.18
Col3	313	0.00	1.18
Col3	314	0.00	1.18
Col3	315	0.00	1.18
Col3	316	0.00	1.18
Col3	317	0.00	1.18
Col3	318	0.00	1.18
Col3	319	0.00	1.18
Col3	320	0.00	1.18
Col3	321	0.00	1.18
Col3	322	0.00	1.18
Col3	323	0.00	1.18
Col3	324	0.00	1.18
Col3	325	0.00	1.18
Col3	326	0.00	1.18
Col3	327	0.00	1.18
Col3	328	0.00	1.18
Col4	210	0.00	1.25
Col4	211	0.00	1.25
Col4	212	0.00	1.25
Col4	213	0.00	1.25
Col4	214	-0.04	1.25
Col4	215	-0.04	1.25
Col4	216	0.03	1.25
Col4	217	0.03	1.25
Col4	218	0.03	1.25
Col4	219	-0.04	1.25
Col4	220	-0.04	1.25
Col4	221	-0.04	1.25
Col4	222	0.03	1.25
Col4	223	0.03	1.25
Col4	224	-0.04	1.25
Col4	225	-0.04	1.25
Col4	226	0.03	1.25
Col4	227	0.03	1.25
Col4	228	-0.04	1.25
Col4	229	-0.04	1.25
Col4	230	0.03	1.25
Col4	231	0.03	1.25
Col4	232	-0.04	1.25
Col4	233	0.03	1.25
Col4	234	-0.04	1.25

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col4	235	0.03	1.25
Col4	236	-0.04	1.25
Col4	237	0.03	1.25
Col4	238	-0.04	1.25
Col4	239	-0.04	1.25
Col4	240	0.03	1.25
Col4	241	0.03	1.25
Col4	242	-0.10	1.25
Col4	243	-0.10	1.25
Col4	244	0.07	1.25
Col4	245	0.07	1.25
Col4	246	-0.10	1.25
Col4	247	0.07	1.25
Col4	248	-0.10	1.25
Col4	249	-0.10	1.25
Col4	250	0.07	1.25
Col4	251	0.07	1.25
Col4	252	-0.10	1.25
Col4	253	-0.10	1.25
Col4	254	0.07	1.25
Col4	255	0.07	1.25
Col4	256	-0.10	1.25
Col4	257	-0.10	1.25
Col4	258	0.07	1.25
Col4	259	0.07	1.25
Col4	260	-0.10	1.25
Col4	261	0.07	1.25
Col4	262	-0.10	1.25
Col4	263	-0.10	1.25
Col4	264	0.07	1.25
Col4	265	0.07	1.25
Col4	266	-0.10	1.25
Col4	267	-0.10	1.25
Col4	268	0.07	1.25
Col4	269	0.07	1.25
Col4	270	-0.10	1.25
Col4	271	-0.10	1.25
Col4	272	0.07	1.25
Col4	273	0.07	1.25
Col4	274	-0.10	1.25
Col4	275	0.07	1.25
Col4	276	-0.10	1.25
Col4	277	-0.10	1.25
Col4	278	0.07	1.25
Col4	279	0.07	1.25
Col4	280	-0.10	1.25
Col4	281	-0.10	1.25
Col4	282	0.07	1.25
Col4	283	0.07	1.25
Col4	284	0.00	1.25
Col4	285	0.00	1.25
Col4	286	0.00	1.25
Col4	287	0.00	1.25
Col4	288	0.00	1.25

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col4	289	0.00	1.25
Col4	290	0.00	1.25
Col4	291	0.00	1.25
Col4	292	0.00	1.25
Col4	293	0.00	1.25
Col4	294	-0.10	1.25
Col4	295	0.07	1.25
Col4	296	0.00	1.25
Col4	297	0.00	1.25
Col4	298	0.00	1.25
Col4	299	0.00	1.25
Col4	300	0.00	1.25
Col4	301	0.00	1.25
Col4	302	0.00	1.25
Col4	303	0.00	1.25
Col4	304	0.00	1.25
Col4	305	0.00	1.25
Col4	306	0.00	1.25
Col4	307	0.00	1.25
Col4	308	0.00	1.25
Col4	309	0.00	1.25
Col4	310	0.00	1.25
Col4	311	0.00	1.25
Col4	312	0.00	1.25
Col4	313	0.00	1.25
Col4	314	0.00	1.25
Col4	315	0.00	1.25
Col4	316	0.00	1.25
Col4	317	0.00	1.25
Col4	318	0.00	1.25
Col4	319	0.00	1.25
Col4	320	0.00	1.25
Col4	321	0.00	1.25
Col4	322	0.00	1.25
Col4	323	0.00	1.25
Col4	324	0.00	1.25
Col4	325	0.00	1.25
Col4	326	0.00	1.25
Col4	327	0.00	1.25
Col4	328	0.00	1.25

RAFTER DEFLECTIONS - Service_Load:

Id	Load Id	Deflection(in) Calc	Limit
Raf1	210	-0.01	0.85
Raf1	211	-0.01	0.85
Raf1	212	-0.05	0.85
Raf1	213	-0.08	0.85
Raf1	214	-0.04	0.85
Raf1	215	-0.04	0.85
Raf1	216	-0.04	0.85
Raf1	217	-0.04	0.85

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Raf1	218	-0.05	0.85
Raf1	219	-0.05	0.85
Raf1	220	-0.04	0.85
Raf1	221	-0.04	0.85
Raf1	222	-0.04	0.85
Raf1	223	-0.04	0.85
Raf1	224	-0.04	0.85
Raf1	225	-0.04	0.85
Raf1	226	-0.04	0.85
Raf1	227	-0.04	0.85
Raf1	228	-0.07	0.85
Raf1	229	-0.08	0.85
Raf1	230	-0.07	0.85
Raf1	231	-0.08	0.85
Raf1	232	-0.08	0.85
Raf1	233	-0.08	0.85
Raf1	234	-0.08	0.85
Raf1	235	-0.08	0.85
Raf1	236	-0.08	0.85
Raf1	237	-0.08	0.85
Raf1	238	-0.07	0.85
Raf1	239	-0.07	0.85
Raf1	240	-0.07	0.85
Raf1	241	-0.07	0.85
Raf1	242	0.01	0.85
Raf1	243	0.00	0.85
Raf1	244	0.01	0.85
Raf1	245	0.00	0.85
Raf1	246	-0.01	0.85
Raf1	247	-0.01	0.85
Raf1	248	0.00	0.85
Raf1	249	-0.01	0.85
Raf1	250	0.00	0.85
Raf1	251	-0.01	0.85
Raf1	252	0.01	0.85
Raf1	253	0.01	0.85
Raf1	254	0.01	0.85
Raf1	255	0.01	0.85
Raf1	256	0.00	0.85
Raf1	257	-0.01	0.85
Raf1	258	0.00	0.85
Raf1	259	-0.01	0.85
Raf1	260	-0.03	0.85
Raf1	261	-0.03	0.85
Raf1	262	-0.02	0.85
Raf1	263	-0.03	0.85
Raf1	264	-0.02	0.85
Raf1	265	-0.03	0.85
Raf1	266	0.00	0.85
Raf1	267	0.00	0.85
Raf1	268	0.00	0.85
Raf1	269	0.00	0.85
Raf1	270	-0.02	0.85
Raf1	271	-0.03	0.85

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Raf1	272	-0.02	0.85
Raf1	273	-0.03	0.85
Raf1	274	-0.05	0.85
Raf1	275	-0.05	0.85
Raf1	276	-0.04	0.85
Raf1	277	-0.05	0.85
Raf1	278	-0.04	0.85
Raf1	279	-0.05	0.85
Raf1	280	-0.02	0.85
Raf1	281	-0.02	0.85
Raf1	282	-0.02	0.85
Raf1	283	-0.02	0.85
Raf1	284	-0.01	0.85
Raf1	285	-0.01	0.85
Raf1	286	-0.03	0.85
Raf1	287	-0.03	0.85
Raf1	288	0.02	0.85
Raf1	289	0.02	0.85
Raf1	290	0.01	0.85
Raf1	291	0.00	0.85
Raf1	292	0.02	0.85
Raf1	293	0.02	0.85
Raf1	294	0.00	0.85
Raf1	295	0.00	0.85
Raf1	296	0.00	0.85
Raf1	297	0.00	0.85
Raf1	298	-0.07	0.85
Raf1	299	-0.03	0.85
Raf1	300	-0.07	0.85
Raf1	301	-0.03	0.85
Raf1	302	-0.05	0.85
Raf1	303	-0.03	0.85
Raf1	304	-0.03	0.85
Raf1	305	-0.04	0.85
Raf1	306	-0.04	0.85
Raf1	307	-0.04	0.85
Raf1	308	-0.07	0.85
Raf1	309	-0.07	0.85
Raf1	310	-0.07	0.85
Raf1	311	-0.08	0.85
Raf1	312	-0.08	0.85
Raf1	313	0.02	0.85
Raf1	314	0.01	0.85
Raf1	315	0.00	0.85
Raf1	316	-0.01	0.85
Raf1	317	0.00	0.85
Raf1	318	-0.01	0.85
Raf1	319	-0.01	0.85
Raf1	320	-0.02	0.85
Raf1	321	-0.02	0.85
Raf1	322	-0.02	0.85
Raf1	323	-0.03	0.85
Raf1	324	-0.03	0.85
Raf1	325	-0.04	0.85

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Raf1	326	-0.04	0.85
Raf1	327	-0.03	0.85
Raf1	328	-0.03	0.85
Raf2	210	-0.01	0.85
Raf2	211	-0.01	0.85
Raf2	212	-0.04	0.85
Raf2	213	-0.08	0.85
Raf2	214	-0.04	0.85
Raf2	215	-0.04	0.85
Raf2	216	-0.04	0.85
Raf2	217	-0.04	0.85
Raf2	218	-0.04	0.85
Raf2	219	-0.04	0.85
Raf2	220	-0.04	0.85
Raf2	221	-0.04	0.85
Raf2	222	-0.04	0.85
Raf2	223	-0.04	0.85
Raf2	224	-0.04	0.85
Raf2	225	-0.04	0.85
Raf2	226	-0.04	0.85
Raf2	227	-0.04	0.85
Raf2	228	-0.07	0.85
Raf2	229	-0.08	0.85
Raf2	230	-0.07	0.85
Raf2	231	-0.08	0.85
Raf2	232	-0.08	0.85
Raf2	233	-0.08	0.85
Raf2	234	-0.08	0.85
Raf2	235	-0.08	0.85
Raf2	236	-0.08	0.85
Raf2	237	-0.08	0.85
Raf2	238	-0.07	0.85
Raf2	239	-0.07	0.85
Raf2	240	-0.07	0.85
Raf2	241	-0.07	0.85
Raf2	242	0.01	0.85
Raf2	243	0.00	0.85
Raf2	244	0.01	0.85
Raf2	245	0.00	0.85
Raf2	246	-0.01	0.85
Raf2	247	-0.01	0.85
Raf2	248	0.00	0.85
Raf2	249	-0.01	0.85
Raf2	250	0.00	0.85
Raf2	251	-0.01	0.85
Raf2	252	0.01	0.85
Raf2	253	0.01	0.85
Raf2	254	0.01	0.85
Raf2	255	0.01	0.85
Raf2	256	0.00	0.85
Raf2	257	-0.01	0.85
Raf2	258	0.00	0.85
Raf2	259	-0.01	0.85
Raf2	260	-0.03	0.85

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Raf2	261	-0.03	0.85
Raf2	262	-0.02	0.85
Raf2	263	-0.03	0.85
Raf2	264	-0.02	0.85
Raf2	265	-0.03	0.85
Raf2	266	0.00	0.85
Raf2	267	0.00	0.85
Raf2	268	0.00	0.85
Raf2	269	0.00	0.85
Raf2	270	-0.02	0.85
Raf2	271	-0.03	0.85
Raf2	272	-0.02	0.85
Raf2	273	-0.03	0.85
Raf2	274	-0.05	0.85
Raf2	275	-0.05	0.85
Raf2	276	-0.04	0.85
Raf2	277	-0.05	0.85
Raf2	278	-0.04	0.85
Raf2	279	-0.05	0.85
Raf2	280	-0.02	0.85
Raf2	281	-0.02	0.85
Raf2	282	-0.02	0.85
Raf2	283	-0.02	0.85
Raf2	284	-0.01	0.85
Raf2	285	-0.01	0.85
Raf2	286	-0.03	0.85
Raf2	287	-0.03	0.85
Raf2	288	0.02	0.85
Raf2	289	0.02	0.85
Raf2	290	0.01	0.85
Raf2	291	0.00	0.85
Raf2	292	0.02	0.85
Raf2	293	0.02	0.85
Raf2	294	0.00	0.85
Raf2	295	0.00	0.85
Raf2	296	0.00	0.85
Raf2	297	0.00	0.85
Raf2	298	-0.07	0.85
Raf2	299	-0.03	0.85
Raf2	300	-0.03	0.85
Raf2	301	-0.06	0.85
Raf2	302	-0.05	0.85
Raf2	303	-0.03	0.85
Raf2	304	-0.03	0.85
Raf2	305	-0.04	0.85
Raf2	306	-0.04	0.85
Raf2	307	-0.04	0.85
Raf2	308	-0.07	0.85
Raf2	309	-0.07	0.85
Raf2	310	-0.07	0.85
Raf2	311	-0.08	0.85
Raf2	312	-0.08	0.85
Raf2	313	0.02	0.85
Raf2	314	0.01	0.85

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Raf2	315	0.00	0.85
Raf2	316	-0.01	0.85
Raf2	317	0.00	0.85
Raf2	318	-0.01	0.85
Raf2	319	-0.01	0.85
Raf2	320	-0.02	0.85
Raf2	321	-0.02	0.85
Raf2	322	-0.02	0.85
Raf2	323	-0.03	0.85
Raf2	324	-0.03	0.85
Raf2	325	-0.04	0.85
Raf2	326	-0.04	0.85
Raf2	327	-0.03	0.85
Raf2	328	-0.03	0.85

UNBRACED LENGTH:

	Major	--Minor(ft)--		----KL/R----	
Id	(ft)	Bend	Axial	Major	Minor
Col1	15.6	7.5	7.5	54	73
Col2	16.6	7.5	7.5	58	73
Col3	17.7	7.5	7.5	62	73
Col4	18.8	7.5	7.5	66	73
Raf1	13.4	4.3	4.3	47	42
Raf2	12.7	4.3	4.3	44	42

LOAD COMBINATIONS:

Strength Combinations

1 - 1.25Dead+1.25Collateral+1.5Live
2 - 1.4Dead+1.4Collateral
3 - 1.25Dead+1.25Collateral+Snow+Snow_Drift+Slide_Snow
4 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Left1+0.4Wind_Pressure
5 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Left1+0.4Wind_Suction
6 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Right1+0.4Wind_Pressure
7 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Right1+0.4Wind_Suction
8 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Left2+0.4Wind_Pressure
9 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Left2+0.4Wind_Suction
10 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Right2+0.4Wind_Pressure
11 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Right2+0.4Wind_Suction
12 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Pressure+0.4Wind_Long1
13 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Pressure+0.4Wind_Long2
14 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Suction+0.4Wind_Long1
15 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Suction+0.4Wind_Long2
16 - 0.9Dead+1.5Live
17 - 0.9Dead+Snow+Snow_Drift+Slide_Snow
18 - 0.9Dead+1.5Live+0.4Wind_Left1+0.4Wind_Pressure
19 - 0.9Dead+1.5Live+0.4Wind_Left1+0.4Wind_Suction
20 - 0.9Dead+1.5Live+0.4Wind_Right1+0.4Wind_Pressure
21 - 0.9Dead+1.5Live+0.4Wind_Right1+0.4Wind_Suction

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

22 - 0.9Dead+1.5Live+0.4Wind_Left2+0.4Wind_Pressure
23 - 0.9Dead+1.5Live+0.4Wind_Left2+0.4Wind_Suction
24 - 0.9Dead+1.5Live+0.4Wind_Right2+0.4Wind_Pressure
25 - 0.9Dead+1.5Live+0.4Wind_Right2+0.4Wind_Suction
26 - 0.9Dead+1.5Live+0.4Wind_Pressure+0.4Wind_Long1
27 - 0.9Dead+1.5Live+0.4Wind_Pressure+0.4Wind_Long2
28 - 0.9Dead+1.5Live+0.4Wind_Suction+0.4Wind_Long1
29 - 0.9Dead+1.5Live+0.4Wind_Suction+0.4Wind_Long2
30 - 1.25Dead+1.25Collateral+1.5Snow+1.5Snow_Drift+1.5Slide_Snow
31 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Left1+0.4Wind_Pressure+1.5Snow_Drift+1.5
32 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Left1+0.4Wind_Suction+1.5Snow_Drift+1.5S
33 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Right1+0.4Wind_Pressure+1.5Snow_Drift+1.
34 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Right1+0.4Wind_Suction+1.5Snow_Drift+1.5
35 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Left2+0.4Wind_Pressure+1.5Snow_Drift+1.5
36 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Left2+0.4Wind_Suction+1.5Snow_Drift+1.5S
37 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Right2+0.4Wind_Pressure+1.5Snow_Drift+1.
38 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Right2+0.4Wind_Suction+1.5Snow_Drift+1.5
39 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Pressure+0.4Wind_Long1+1.5Snow_Drift+1.5
40 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Pressure+0.4Wind_Long2+1.5Snow_Drift+1.5
41 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Suction+0.4Wind_Long1+1.5Snow_Drift+1.5S
42 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Suction+0.4Wind_Long2+1.5Snow_Drift+1.5S
43 - 0.9Dead+1.5Snow+1.5Snow_Drift+1.5Slide_Snow
44 - 0.9Dead+1.5Snow+0.4Wind_Left1+0.4Wind_Pressure+1.5Snow_Drift+1.5Slide_Snow
45 - 0.9Dead+1.5Snow+0.4Wind_Left1+0.4Wind_Suction+1.5Snow_Drift+1.5Slide_Snow
46 - 0.9Dead+1.5Snow+0.4Wind_Right1+0.4Wind_Pressure+1.5Snow_Drift+1.5Slide_Snow
47 - 0.9Dead+1.5Snow+0.4Wind_Right1+0.4Wind_Suction+1.5Snow_Drift+1.5Slide_Snow
48 - 0.9Dead+1.5Snow+0.4Wind_Left2+0.4Wind_Pressure+1.5Snow_Drift+1.5Slide_Snow
49 - 0.9Dead+1.5Snow+0.4Wind_Left2+0.4Wind_Suction+1.5Snow_Drift+1.5Slide_Snow
50 - 0.9Dead+1.5Snow+0.4Wind_Right2+0.4Wind_Pressure+1.5Snow_Drift+1.5Slide_Snow
51 - 0.9Dead+1.5Snow+0.4Wind_Right2+0.4Wind_Suction+1.5Snow_Drift+1.5Slide_Snow
52 - 0.9Dead+1.5Snow+0.4Wind_Pressure+0.4Wind_Long1+1.5Snow_Drift+1.5Slide_Snow
53 - 0.9Dead+1.5Snow+0.4Wind_Pressure+0.4Wind_Long2+1.5Snow_Drift+1.5Slide_Snow
54 - 0.9Dead+1.5Snow+0.4Wind_Suction+0.4Wind_Long1+1.5Snow_Drift+1.5Slide_Snow
55 - 0.9Dead+1.5Snow+0.4Wind_Suction+0.4Wind_Long2+1.5Snow_Drift+1.5Slide_Snow
56 - 1.25Dead+1.25Collateral+1.4Wind_Left1+1.4Wind_Suction
57 - 1.25Dead+1.25Collateral+1.4Wind_Right1+1.4Wind_Suction
58 - 1.25Dead+1.25Collateral+1.4Wind_Left1+1.4Wind_Pressure
59 - 1.25Dead+1.25Collateral+1.4Wind_Right1+1.4Wind_Pressure
60 - 1.25Dead+1.25Collateral+1.4Wind_Suction
61 - 1.25Dead+1.25Collateral+1.4Wind_Pressure
62 - 1.25Dead+1.25Collateral+1.4Wind_Pressure+1.4Wind_Long1
63 - 1.25Dead+1.25Collateral+1.4Wind_Pressure+1.4Wind_Long2
64 - 1.25Dead+1.25Collateral+1.4Wind_Suction+1.4Wind_Long1
65 - 1.25Dead+1.25Collateral+1.4Wind_Suction+1.4Wind_Long2
66 - 1.25Dead+1.25Collateral+1.4Wind_Left2+1.4Wind_Pressure
67 - 1.25Dead+1.25Collateral+1.4Wind_Right2+1.4Wind_Suction
68 - 1.25Dead+1.25Collateral+1.4Wind_Left2+1.4Wind_Suction
69 - 1.25Dead+1.25Collateral+1.4Wind_Right2+1.4Wind_Pressure
70 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Left1+1.4Wind_Suction
71 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Right1+1.4Wind_Suction
72 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Left1+1.4Wind_Pressure
73 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Right1+1.4Wind_Pressure
74 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Suction
75 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Pressure

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76 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Pressure+1.4Wind_Long1
77 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Pressure+1.4Wind_Long2
78 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Suction+1.4Wind_Long1
79 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Suction+1.4Wind_Long2
80 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Left2+1.4Wind_Pressure
81 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Right2+1.4Wind_Suction
82 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Left2+1.4Wind_Suction
83 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Right2+1.4Wind_Pressure
84 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Left1+1.4Wind_Suction+Snow_Drift/2+Slide_
85 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Right1+1.4Wind_Suction+Snow_Drift/2+Slide
86 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Left1+1.4Wind_Pressure+Snow_Drift/2+Slide
87 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Right1+1.4Wind_Pressure+Snow_Drift/2+Slid
88 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Suction+Snow_Drift/2+Slide_Snow/2
89 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Pressure+Snow_Drift/2+Slide_Snow/2
90 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Pressure+1.4Wind_Long1+Snow_Drift/2+Slide
91 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Pressure+1.4Wind_Long2+Snow_Drift/2+Slide
92 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Suction+1.4Wind_Long1+Snow_Drift/2+Slide_
93 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Suction+1.4Wind_Long2+Snow_Drift/2+Slide_
94 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Left2+1.4Wind_Pressure+Snow_Drift/2+Slide
95 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Right2+1.4Wind_Suction+Snow_Drift/2+Slide
96 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Left2+1.4Wind_Suction+Snow_Drift/2+Slide_
97 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Right2+1.4Wind_Pressure+Snow_Drift/2+Slid
98 - 0.9Dead+1.4Wind_Left1+1.4Wind_Suction
99 - 0.9Dead+1.4Wind_Right1+1.4Wind_Suction
100 - 0.9Dead+1.4Wind_Left1+1.4Wind_Pressure
101 - 0.9Dead+1.4Wind_Right1+1.4Wind_Pressure
102 - 0.9Dead+1.4Wind_Suction
103 - 0.9Dead+1.4Wind_Pressure
104 - 0.9Dead+1.4Wind_Pressure+1.4Wind_Long1
105 - 0.9Dead+1.4Wind_Pressure+1.4Wind_Long2
106 - 0.9Dead+1.4Wind_Suction+1.4Wind_Long1
107 - 0.9Dead+1.4Wind_Suction+1.4Wind_Long2
108 - 0.9Dead+1.4Wind_Left2+1.4Wind_Pressure
109 - 0.9Dead+1.4Wind_Right2+1.4Wind_Suction
110 - 0.9Dead+1.4Wind_Left2+1.4Wind_Suction
111 - 0.9Dead+1.4Wind_Right2+1.4Wind_Pressure
112 - 0.9Dead+Live/2+1.4Wind_Left1+1.4Wind_Suction
113 - 0.9Dead+Live/2+1.4Wind_Right1+1.4Wind_Suction
114 - 0.9Dead+Live/2+1.4Wind_Left1+1.4Wind_Pressure
115 - 0.9Dead+Live/2+1.4Wind_Right1+1.4Wind_Pressure
116 - 0.9Dead+Live/2+1.4Wind_Suction
117 - 0.9Dead+Live/2+1.4Wind_Pressure
118 - 0.9Dead+Live/2+1.4Wind_Pressure+1.4Wind_Long1
119 - 0.9Dead+Live/2+1.4Wind_Pressure+1.4Wind_Long2
120 - 0.9Dead+Live/2+1.4Wind_Suction+1.4Wind_Long1
121 - 0.9Dead+Live/2+1.4Wind_Suction+1.4Wind_Long2
122 - 0.9Dead+Live/2+1.4Wind_Left2+1.4Wind_Pressure
123 - 0.9Dead+Live/2+1.4Wind_Right2+1.4Wind_Suction
124 - 0.9Dead+Live/2+1.4Wind_Left2+1.4Wind_Suction
125 - 0.9Dead+Live/2+1.4Wind_Right2+1.4Wind_Pressure
126 - 0.9Dead+Snow/2+1.4Wind_Left1+1.4Wind_Suction+Snow_Drift/2+Slide_Snow/2
127 - 0.9Dead+Snow/2+1.4Wind_Right1+1.4Wind_Suction+Snow_Drift/2+Slide_Snow/2
128 - 0.9Dead+Snow/2+1.4Wind_Left1+1.4Wind_Pressure+Snow_Drift/2+Slide_Snow/2
129 - 0.9Dead+Snow/2+1.4Wind_Right1+1.4Wind_Pressure+Snow_Drift/2+Slide_Snow/2

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130 - 0.9Dead+Snow/2+1.4Wind_Suction+Snow_Drift/2+Slide_Snow/2
131 - 0.9Dead+Snow/2+1.4Wind_Pressure+Snow_Drift/2+Slide_Snow/2
132 - 0.9Dead+Snow/2+1.4Wind_Pressure+1.4Wind_Long1+Snow_Drift/2+Slide_Snow/2
133 - 0.9Dead+Snow/2+1.4Wind_Pressure+1.4Wind_Long2+Snow_Drift/2+Slide_Snow/2
134 - 0.9Dead+Snow/2+1.4Wind_Suction+1.4Wind_Long1+Snow_Drift/2+Slide_Snow/2
135 - 0.9Dead+Snow/2+1.4Wind_Suction+1.4Wind_Long2+Snow_Drift/2+Slide_Snow/2
136 - 0.9Dead+Snow/2+1.4Wind_Left2+1.4Wind_Pressure+Snow_Drift/2+Slide_Snow/2
137 - 0.9Dead+Snow/2+1.4Wind_Right2+1.4Wind_Suction+Snow_Drift/2+Slide_Snow/2
138 - 0.9Dead+Snow/2+1.4Wind_Left2+1.4Wind_Suction+Snow_Drift/2+Slide_Snow/2
139 - 0.9Dead+Snow/2+1.4Wind_Right2+1.4Wind_Pressure+Snow_Drift/2+Slide_Snow/2
140 - Dead+Collateral+Seismic_L
141 - Dead+Collateral+Seismic_R
142 - Dead+Collateral+0.25Snow+Seismic_L+0.25Snow_Drift+0.25Slide_Snow
143 - Dead+Collateral+0.25Snow+Seismic_R+0.25Snow_Drift+0.25Slide_Snow
144 - 1.25Dead+1.25Collateral+1.5E1UNB_SL_L
145 - 1.25Dead+1.25Collateral+1.5E1UNB_SL_R
146 - 1.25Dead+1.25Collateral+Snow/2+Snow_Drift/2+Slide_Snow/2
147 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Left1
148 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Right1
149 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Left2
150 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Right2
151 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Long1
152 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Long2
153 - 0.9Dead+Snow/2+Snow_Drift/2+Slide_Snow/2
154 - 0.9Dead+1.5Live+0.4Wind_Left1
155 - 0.9Dead+1.5Live+0.4Wind_Right1
156 - 0.9Dead+1.5Live+0.4Wind_Left2
157 - 0.9Dead+1.5Live+0.4Wind_Right2
158 - 0.9Dead+1.5Live+0.4Wind_Long1
159 - 0.9Dead+1.5Live+0.4Wind_Long2
160 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Left1+1.5Snow_Drift+1.5Slide_Snow
161 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Right1+1.5Snow_Drift+1.5Slide_Snow
162 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Left2+1.5Snow_Drift+1.5Slide_Snow
163 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Right2+1.5Snow_Drift+1.5Slide_Snow
164 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Long1+1.5Snow_Drift+1.5Slide_Snow
165 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Long2+1.5Snow_Drift+1.5Slide_Snow
166 - 0.9Dead+1.5Snow+0.4Wind_Left1+1.5Snow_Drift+1.5Slide_Snow
167 - 0.9Dead+1.5Snow+0.4Wind_Right1+1.5Snow_Drift+1.5Slide_Snow
168 - 0.9Dead+1.5Snow+0.4Wind_Left2+1.5Snow_Drift+1.5Slide_Snow
169 - 0.9Dead+1.5Snow+0.4Wind_Right2+1.5Snow_Drift+1.5Slide_Snow
170 - 0.9Dead+1.5Snow+0.4Wind_Long1+1.5Snow_Drift+1.5Slide_Snow
171 - 0.9Dead+1.5Snow+0.4Wind_Long2+1.5Snow_Drift+1.5Slide_Snow
172 - 1.25Dead+1.25Collateral+1.4Wind_Left1
173 - 1.25Dead+1.25Collateral+1.4Wind_Right1
174 - 1.25Dead+1.25Collateral+1.4Wind_Left2
175 - 1.25Dead+1.25Collateral+1.4Wind_Right2
176 - 1.25Dead+1.25Collateral+1.4Wind_Long1
177 - 1.25Dead+1.25Collateral+1.4Wind_Long2
178 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Left1
179 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Right1
180 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Left2
181 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Right2
182 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Long1
183 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Long2

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184 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Left1+Snow_Drift/2+Slide_Snow/2
185 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Right1+Snow_Drift/2+Slide_Snow/2
186 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Left2+Snow_Drift/2+Slide_Snow/2
187 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Right2+Snow_Drift/2+Slide_Snow/2
188 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Long1+Snow_Drift/2+Slide_Snow/2
189 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Long2+Snow_Drift/2+Slide_Snow/2
190 - 0.9Dead+1.4Wind_Left1
191 - 0.9Dead+1.4Wind_Right1
192 - 0.9Dead+1.4Wind_Left2
193 - 0.9Dead+1.4Wind_Right2
194 - 0.9Dead+1.4Wind_Long1
195 - 0.9Dead+1.4Wind_Long2
196 - 0.9Dead+Live/2+1.4Wind_Left1
197 - 0.9Dead+Live/2+1.4Wind_Right1
198 - 0.9Dead+Live/2+1.4Wind_Left2
199 - 0.9Dead+Live/2+1.4Wind_Right2
200 - 0.9Dead+Live/2+1.4Wind_Long1
201 - 0.9Dead+Live/2+1.4Wind_Long2
202 - 0.9Dead+Snow/2+1.4Wind_Left1+Snow_Drift/2+Slide_Snow/2
203 - 0.9Dead+Snow/2+1.4Wind_Right1+Snow_Drift/2+Slide_Snow/2
204 - 0.9Dead+Snow/2+1.4Wind_Left2+Snow_Drift/2+Slide_Snow/2
205 - 0.9Dead+Snow/2+1.4Wind_Right2+Snow_Drift/2+Slide_Snow/2
206 - 0.9Dead+Snow/2+1.4Wind_Long1+Snow_Drift/2+Slide_Snow/2
207 - 0.9Dead+Snow/2+1.4Wind_Long2+Snow_Drift/2+Slide_Snow/2
208 - Dead+Collateral+Live/2+Seismic_L
209 - Dead+Collateral+Live/2+Seismic_R
Deflection Combinations
210 - Dead
211 - Dead+Collateral
212 - Dead+Collateral+Live
213 - Dead+Collateral+0.9Snow+0.9Snow_Drift+0.9Slide_Snow
214 - Dead+Collateral+Live+0.3Wind_Left1+0.3Wind_Pressure
215 - Dead+Collateral+Live+0.3Wind_Right1+0.3Wind_Pressure
216 - Dead+Collateral+Live+0.3Wind_Left1+0.3Wind_Suction
217 - Dead+Collateral+Live+0.3Wind_Right1+0.3Wind_Suction
218 - Dead+Collateral+Live+0.3Wind_Suction
219 - Dead+Collateral+Live+0.3Wind_Pressure
220 - Dead+Collateral+Live+0.3Wind_Left2+0.3Wind_Pressure
221 - Dead+Collateral+Live+0.3Wind_Right2+0.3Wind_Pressure
222 - Dead+Collateral+Live+0.3Wind_Left2+0.3Wind_Suction
223 - Dead+Collateral+Live+0.3Wind_Right2+0.3Wind_Suction
224 - Dead+Collateral+Live+0.3Wind_Pressure+0.3Wind_Long1
225 - Dead+Collateral+Live+0.3Wind_Pressure+0.3Wind_Long2
226 - Dead+Collateral+Live+0.3Wind_Suction+0.3Wind_Long1
227 - Dead+Collateral+Live+0.3Wind_Suction+0.3Wind_Long2
228 - Dead+Collateral+0.9Snow+0.3Wind_Left1+0.3Wind_Pressure+0.9Snow_Drift+0.9Slide_Sn
229 - Dead+Collateral+0.9Snow+0.3Wind_Right1+0.3Wind_Pressure+0.9Snow_Drift+0.9Slide_S
230 - Dead+Collateral+0.9Snow+0.3Wind_Left1+0.3Wind_Suction+0.9Snow_Drift+0.9Slide_Sno
231 - Dead+Collateral+0.9Snow+0.3Wind_Right1+0.3Wind_Suction+0.9Snow_Drift+0.9Slide_Sn
232 - Dead+Collateral+0.9Snow+0.3Wind_Pressure+0.9Snow_Drift+0.9Slide_Snow
233 - Dead+Collateral+0.9Snow+0.3Wind_Suction+0.9Snow_Drift+0.9Slide_Snow
234 - Dead+Collateral+0.9Snow+0.3Wind_Left2+0.3Wind_Pressure+0.9Snow_Drift+0.9Slide_Sn
235 - Dead+Collateral+0.9Snow+0.3Wind_Left2+0.3Wind_Suction+0.9Snow_Drift+0.9Slide_Sno
236 - Dead+Collateral+0.9Snow+0.3Wind_Right2+0.3Wind_Pressure+0.9Snow_Drift+0.9Slide_S

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237 - Dead+Collateral+0.9Snow+0.3Wind_Right2+0.3Wind_Suction+0.9Snow_Drift+0.9Slide_Sn
238 - Dead+Collateral+0.9Snow+0.3Wind_Pressure+0.3Wind_Long1+0.9Snow_Drift+0.9Slide_Sn
239 - Dead+Collateral+0.9Snow+0.3Wind_Pressure+0.3Wind_Long2+0.9Snow_Drift+0.9Slide_Sn
240 - Dead+Collateral+0.9Snow+0.3Wind_Suction+0.3Wind_Long1+0.9Snow_Drift+0.9Slide_Sno
241 - Dead+Collateral+0.9Snow+0.3Wind_Suction+0.3Wind_Long2+0.9Snow_Drift+0.9Slide_Sno
242 - Dead+Collateral+0.75Wind_Left1+0.75Wind_Pressure
243 - Dead+Collateral+0.75Wind_Right1+0.75Wind_Pressure
244 - Dead+Collateral+0.75Wind_Left1+0.75Wind_Suction
245 - Dead+Collateral+0.75Wind_Right1+0.75Wind_Suction
246 - Dead+Collateral+0.75Wind_Pressure
247 - Dead+Collateral+0.75Wind_Suction
248 - Dead+Collateral+0.75Wind_Left2+0.75Wind_Pressure
249 - Dead+Collateral+0.75Wind_Right2+0.75Wind_Pressure
250 - Dead+Collateral+0.75Wind_Left2+0.75Wind_Suction
251 - Dead+Collateral+0.75Wind_Right2+0.75Wind_Suction
252 - Dead+Collateral+0.75Wind_Pressure+0.75Wind_Long1
253 - Dead+Collateral+0.75Wind_Pressure+0.75Wind_Long2
254 - Dead+Collateral+0.75Wind_Suction+0.75Wind_Long1
255 - Dead+Collateral+0.75Wind_Suction+0.75Wind_Long2
256 - Dead+Collateral+Live/2+0.75Wind_Left1+0.75Wind_Pressure
257 - Dead+Collateral+Live/2+0.75Wind_Right1+0.75Wind_Pressure
258 - Dead+Collateral+Live/2+0.75Wind_Left1+0.75Wind_Suction
259 - Dead+Collateral+Live/2+0.75Wind_Right1+0.75Wind_Suction
260 - Dead+Collateral+Live/2+0.75Wind_Pressure
261 - Dead+Collateral+Live/2+0.75Wind_Suction
262 - Dead+Collateral+Live/2+0.75Wind_Left2+0.75Wind_Pressure
263 - Dead+Collateral+Live/2+0.75Wind_Right2+0.75Wind_Pressure
264 - Dead+Collateral+Live/2+0.75Wind_Left2+0.75Wind_Suction
265 - Dead+Collateral+Live/2+0.75Wind_Right2+0.75Wind_Suction
266 - Dead+Collateral+Live/2+0.75Wind_Pressure+0.75Wind_Long1
267 - Dead+Collateral+Live/2+0.75Wind_Pressure+0.75Wind_Long2
268 - Dead+Collateral+Live/2+0.75Wind_Suction+0.75Wind_Long1
269 - Dead+Collateral+Live/2+0.75Wind_Suction+0.75Wind_Long2
270 - Dead+Collateral+0.45Snow+0.75Wind_Left1+0.75Wind_Pressure+0.45Snow_Drift+0.45Sli
271 - Dead+Collateral+0.45Snow+0.75Wind_Right1+0.75Wind_Pressure+0.45Snow_Drift+0.45Sl
272 - Dead+Collateral+0.45Snow+0.75Wind_Left1+0.75Wind_Suction+0.45Snow_Drift+0.45Slid
273 - Dead+Collateral+0.45Snow+0.75Wind_Right1+0.75Wind_Suction+0.45Snow_Drift+0.45Sli
274 - Dead+Collateral+0.45Snow+0.75Wind_Pressure+0.45Snow_Drift+0.45Slide_Snow
275 - Dead+Collateral+0.45Snow+0.75Wind_Suction+0.45Snow_Drift+0.45Slide_Snow
276 - Dead+Collateral+0.45Snow+0.75Wind_Left2+0.75Wind_Pressure+0.45Snow_Drift+0.45Sli
277 - Dead+Collateral+0.45Snow+0.75Wind_Right2+0.75Wind_Pressure+0.45Snow_Drift+0.45Sl
278 - Dead+Collateral+0.45Snow+0.75Wind_Left2+0.75Wind_Suction+0.45Snow_Drift+0.45Slid
279 - Dead+Collateral+0.45Snow+0.75Wind_Right2+0.75Wind_Suction+0.45Snow_Drift+0.45Sli
280 - Dead+Collateral+0.45Snow+0.75Wind_Pressure+0.75Wind_Long1+0.45Snow_Drift+0.45Sli
281 - Dead+Collateral+0.45Snow+0.75Wind_Pressure+0.75Wind_Long2+0.45Snow_Drift+0.45Sli
282 - Dead+Collateral+0.45Snow+0.75Wind_Suction+0.75Wind_Long1+0.45Snow_Drift+0.45Slid
283 - Dead+Collateral+0.45Snow+0.75Wind_Suction+0.75Wind_Long2+0.45Snow_Drift+0.45Slid
284 - Dead+Collateral+Seismic_L
285 - Dead+Collateral+Seismic_R
286 - Dead+Collateral+0.22Snow+Seismic_L+0.22Snow_Drift+0.22Slide_Snow
287 - Dead+Collateral+0.22Snow+Seismic_R+0.22Snow_Drift+0.22Slide_Snow
288 - 0.75Wind_Left1
289 - 0.75Wind_Right1
290 - 0.75Wind_Left2

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291 - 0.75Wind_Right2
292 - 0.75Wind_Long1
293 - 0.75Wind_Long2
294 - 0.75Wind_Pressure
295 - 0.75Wind_Suction
296 - Seismic_L
297 - Seismic_R
298 - 0.9Snow+0.9Snow_Drift+0.9Slide_Snow
299 - Live
300 - 0.9E1UNB_SL_L
301 - 0.9E1UNB_SL_R
302 - Dead+Collateral+0.45Snow+0.45Snow_Drift+0.45Slide_Snow
303 - Dead+Live+0.3Wind_Left1
304 - Dead+Live+0.3Wind_Right1
305 - Dead+Live+0.3Wind_Left2
306 - Dead+Live+0.3Wind_Right2
307 - Dead+Live
308 - Dead+0.9Snow+0.3Wind_Left1+0.9Snow_Drift+0.9Slide_Snow
309 - Dead+0.9Snow+0.3Wind_Right1+0.9Snow_Drift+0.9Slide_Snow
310 - Dead+0.9Snow+0.3Wind_Left2+0.9Snow_Drift+0.9Slide_Snow
311 - Dead+0.9Snow+0.3Wind_Right2+0.9Snow_Drift+0.9Slide_Snow
312 - Dead+0.9Snow+0.9Snow_Drift+0.9Slide_Snow
313 - Dead+0.75Wind_Left1
314 - Dead+0.75Wind_Right1
315 - Dead+0.75Wind_Left2
316 - Dead+0.75Wind_Right2
317 - Dead+Live/2+0.75Wind_Left1
318 - Dead+Live/2+0.75Wind_Right1
319 - Dead+Live/2+0.75Wind_Left2
320 - Dead+Live/2+0.75Wind_Right2
321 - Dead+Live/2
322 - Dead+0.45Snow+0.75Wind_Left1+0.45Snow_Drift+0.45Slide_Snow
323 - Dead+0.45Snow+0.75Wind_Right1+0.45Snow_Drift+0.45Slide_Snow
324 - Dead+0.45Snow+0.75Wind_Left2+0.45Snow_Drift+0.45Slide_Snow
325 - Dead+0.45Snow+0.75Wind_Right2+0.45Snow_Drift+0.45Slide_Snow
326 - Dead+0.45Snow+0.45Snow_Drift+0.45Slide_Snow
327 - Dead+Collateral+Live/2+Seismic_L
328 - Dead+Collateral+Live/2+Seismic_R

011467_RF Wall 1 - Web To Flange Weld 3/26/24 3:26pm

WELDS:

Id	Load Id	Shear (k)	Q (in3)	Ixx (in4)	----Web_To_Flange---- Size	Typ	Shear(k/in) Calc	Limit
Col1	58	1.0	6.8	61.9	0.188	F1	0.11	4.17
Col2	58	1.9	6.8	61.9	0.188	F1	0.21	4.17
Col3	58	2.1	6.8	61.9	0.188	F1	0.23	4.17
Col4	58	1.2	6.8	61.9	0.188	F1	0.13	4.17
Raf1	30	6.3	6.8	61.9	0.188	F1	0.69	4.17

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

```
  Raf2      145     4.2     6.8     61.9  0.188 F1    0.46  4.17

================================================================================
 011467_RF           Wall 1 - Rafter Splice Design              3/26/24  3:26pm
================================================================================

 DESIGN CONSTANTS:
 -----------------
  Plate Yield          = 55.00(ksi  )
  Bolt Type            = A325
  Bolt Shear   Stress  = 40.20(ksi  )
  Bolt Tension Stress  = 71.79(ksi  )


 PLATE SIZE:
 -----------
              -Surface- Rafter  ---Plate---  ---------------Bolts---------------
  Id     Type Id Locate  Depth  Width Thick    Dia  Gage RowT SpaceT RowB SpaceB
  ------ ---- -- ------ ------  ----- -----  ----- ----- ---- ------ ---- ------
  Spl1    M    2   29.8   8.14   6.00 0.375  0.625  3.00    2   3.00    2   3.00

 PLATE REACTIONS:
 ----------------
                 Load  Axial  Shear  Moment
  Id       Side   Id    (k )   (k )  (f-k )
  ------   ----  ----  -----  -----  ------
  Spl1     Top    98    1.42   1.15    0.48
           Bot   145    0.31   3.75   -1.85

 WELDS:
 ------
            -Top_Flange_To_Plate-  -Bot_Flange_To_Plate-  -----Web_To_Plate----
                      Shear(k/in )           Shear(k/in )           Shear(k/in )
  Id         Size Typ  Calc Limit   Size Typ  Calc Limit   Size Typ  Calc Limit
  ------    ----- --- ----- -----  ----- --- ----- -----  ----- --- ----- -----
  Spl1      0.188 F2   0.07  4.17  0.188 F2   0.28  4.17  0.125 F1   0.50  2.79

 LOAD COMBINATIONS:
 ------------------
   98 - 0.9Dead+1.4Wind_Left1+1.4Wind_Suction
  145 - 1.25Dead+1.25Collateral+1.5E1UNB_SL_R

================================================================================
 011467_RF           Wall 1 - Base Plate Design                 3/26/24  3:26pm
================================================================================

 DESIGN CONSTANTS:
 -----------------
  Base Plate Yield     = 55.00(ksi  )
  Concrete Bearing     =  1.05(ksi  )
  Bolt Type            = A307
  Bolt Shear   Stress  = 16.73(ksi  )
  Bolt Tension Stress  = 33.87(ksi  )
```

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

BASE SIZE:

Id	Base(in) Type	Depth	Elev	Plate_Size(in) Width	Thick	Length	Bolts(in) Dia	Row	Space	Gage	Req Thick	Req Dia
Col1	S3	8.14	0.0	8.00	0.500	9.00	0.750	2	4.00	4.00	0.114	0.156
Col2	S3	8.14	0.0	8.00	0.500	9.00	0.750	2	4.00	4.00	0.221	0.245
Col3	S3	8.14	0.0	8.00	0.500	9.00	0.750	2	4.00	4.00	0.227	0.286
Col4	S3	8.14	0.0	8.00	0.500	9.00	0.750	2	4.00	4.00	0.103	0.172

S3 - Welded Plate

BASE REACTIONS:

Id	Max_Comp- Load	Fy(k)	Max_Tension+Shear Load	Tens Fy(k)	Shear Fx(k)	Max_Shear- Load	Fx(k)	Max_Shear+Tension Load	Shear Fx(k)	Tens Fy(k)
Col1	144	5.03	195	-1.28	0.00	58	0.97	105	0.97	-1.28
Col2	37	13.09	190	-4.84	1.13	66	2.39	108	2.39	-2.82
Col3	162	12.25	191	-5.07	2.52	59	3.25	101	3.25	-5.07
Col4	145	5.23	190	-1.02	0.00	139	1.17	100	1.17	-1.02

WELDS:

Id	Top_Flange_To_Plate- Size	Typ	Shear(k/in) Calc	Limit	Bot_Flange_To_Plate- Size	Typ	Shear(k/in) Calc	Limit	Web_To_Plate---- Size	Typ	Shear(k/in) Calc	Limit
Col1	0.188	F1	0.12	4.17	0.188	F1	0.12	4.17	0.125	F1	0.13	2.79
Col2	0.188	F1	0.46	4.17	0.188	F1	0.46	4.17	0.125	F1	0.32	2.79
Col3	0.188	F1	0.48	4.17	0.188	F1	0.48	4.17	0.125	F1	0.43	2.79
Col4	0.188	F1	0.10	4.17	0.188	F1	0.10	4.17	0.125	F1	0.16	2.79

LOAD COMBINATIONS:

37 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Right2+0.4Wind_Pressure+1.5Snow_Drift+1.
58 - 1.25Dead+1.25Collateral+1.4Wind_Left1+1.4Wind_Pressure
59 - 1.25Dead+1.25Collateral+1.4Wind_Right1+1.4Wind_Pressure
66 - 1.25Dead+1.25Collateral+1.4Wind_Left2+1.4Wind_Pressure
100 - 0.9Dead+1.4Wind_Left1+1.4Wind_Pressure
101 - 0.9Dead+1.4Wind_Right1+1.4Wind_Pressure
105 - 0.9Dead+1.4Wind_Pressure+1.4Wind_Long2
108 - 0.9Dead+1.4Wind_Left2+1.4Wind_Pressure
139 - 0.9Dead+Snow/2+1.4Wind_Right2+1.4Wind_Pressure+Snow_Drift/2+Slide_Snow/2
144 - 1.25Dead+1.25Collateral+1.5E1UNB_SL_L
145 - 1.25Dead+1.25Collateral+1.5E1UNB_SL_R
162 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Left2+1.5Snow_Drift+1.5Slide_Snow
190 - 0.9Dead+1.4Wind_Left1
191 - 0.9Dead+1.4Wind_Right1
195 - 0.9Dead+1.4Wind_Long2

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

011467_RF Wall 1 - Flush Girt Layout 3/26/24 3:26pm

GIRT LAYOUT:

Bay Id	Girt Id	Locate	Part	Bay_Offset Start	Bay_Offset End	Design Length	Design Weight	Load Width	Max_Load Id	Max_Load UC	Max_Load Report	Max_Load Rot
1	1	7.500	8x25Z16	0.00	13.33	12.33	35.8	7.00	WS	0.55	Moment	U
	2	14.000	8x25Z16	0.00	13.33	12.33	35.8	5.30	WS	0.43	Moment	U
2	3	7.500	8x25Z16	0.00	13.33	12.67	36.7	7.00	WS	0.60	Moment	U
	4	14.000	8x25Z16	0.00	13.33	12.67	36.7	5.85	WS	0.50	Moment	U
3	5	7.500	8x25Z16	0.00	13.33	12.33	35.8	7.00	WS	0.55	Moment	U
	6	14.000	8x25Z16	0.00	13.33	12.33	35.8	6.38	WS	0.52	Moment	U

WS - 1.4Wind_Suction

GIRT INSIDE FLANGE BRACE:

No._Brace/Bay 1	2	3
1	1	1

GIRT STRENGTH:

Bay Id	Girt Id	Load Id	Factored_Load ----Shear(k)--- Calc	Limit	UC	Factored_Load --Moment(f-k)-- Calc	Limit	UC	Mom+ Shear	Service_Load ---Deflect(in)-- Calc	Limit	UC
1	1	WP	1.14	3.12	0.37	-3.34	6.87	0.49	0.40	-0.21	1.64	0.13
		WS	-1.07	3.12	0.34	3.11	5.65	0.55	0.37	0.20	1.64	0.12
1	2	WP	0.85	3.12	0.27	-2.63	6.87	0.38	0.30	-0.16	1.64	0.10
		WS	-0.80	3.12	0.26	2.44	5.65	0.43	0.28	0.15	1.64	0.09
2	3	WP	1.16	3.12	0.37	-3.66	6.87	0.53	0.41	-0.24	1.69	0.14
		WS	-1.07	3.12	0.34	3.38	5.65	0.60	0.38	0.22	1.69	0.13
2	4	WP	-0.97	3.12	0.31	-3.06	6.87	0.45	0.34	-0.20	1.69	0.12
		WS	0.89	3.12	0.29	2.83	5.65	0.50	0.32	0.18	1.69	0.11
3	5	WP	-1.14	3.12	0.37	-3.34	6.87	0.49	0.40	-0.21	1.64	0.13
		WS	1.07	3.12	0.34	3.11	5.65	0.55	0.37	0.20	1.64	0.12
3	6	WP	1.03	3.12	0.33	-3.16	6.87	0.46	0.36	-0.19	1.64	0.12
		WS	0.97	3.12	0.31	2.94	5.65	0.52	0.33	0.18	1.64	0.11

WP - 1.4Wind_Pressure
WS - 1.4Wind_Suction

011467_RF Wall 1 - Door Jamb & Header Design 3/26/24 3:26pm

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

LAYOUT:

Open Id	Bay Id	Locate	Part	Length	Load Width	Weight	Reduction Factor Out	In
1	1	JambL	8x275C16	7.50	2.00	21.8	0.00	0.00
		JambR	8x275C16	7.50	2.00	21.8	0.00	0.00
		Header	8x275C16	4.00	2.00	11.6	0.00	0.65
		Sill	8x275C16	4.00	0.00	11.6	0.00	0.65
2	3	JambL	8x275C16	7.50	2.00	21.8	0.00	0.00
		JambR	8x275C16	7.50	2.00	21.8	0.00	0.00
		Header	8x275C16	4.00	2.00	11.6	0.00	0.65
		Sill	8x275C16	4.00	0.00	11.6	0.00	0.65

STRENGTH/DEFLECTION:

Open Id	Member	Load Id	--Shear(k)- Calc	Limit	--Moment(ft,f-k)- Loc	Calc	Limit	Mom+ Shear	Max UC	Deflect(in) Calc	Limit
1	JambL	WP	0.20	3.12	3.75	-0.37	5.64	0.00	0.06	-0.01	1.00
		WS	-0.18	3.12	3.75	0.34	5.64	0.00	0.06	0.01	1.00
	JambR	WP	0.20	3.12	3.75	-0.37	5.64	0.00	0.06	-0.01	1.00
		WS	-0.18	3.12	3.75	0.34	5.64	0.00	0.06	0.01	1.00
	Header	WP	-0.01	3.12	2.00	-0.01	7.13	0.00	0.00	0.00	0.53
		WS	0.01	3.12	2.00	0.01	5.68	0.00	0.00	0.00	0.53
	Sill	WP	-0.10	3.12	2.00	-0.10	7.13	0.02	0.03	0.00	0.53
		WS	0.10	3.12	2.00	0.10	5.68	0.02	0.03	0.00	0.53
2	JambL	WP	0.20	3.12	3.75	-0.37	5.64	0.00	0.06	-0.01	1.00
		WS	-0.18	3.12	3.75	0.34	5.64	0.00	0.06	0.01	1.00
	JambR	WP	0.20	3.12	3.75	-0.37	5.64	0.00	0.06	-0.01	1.00
		WS	-0.18	3.12	3.75	0.34	5.64	0.00	0.06	0.01	1.00
	Header	WP	-0.01	3.12	2.00	-0.01	7.13	0.00	0.00	0.00	0.53
		WS	0.01	3.12	2.00	0.01	5.68	0.00	0.00	0.00	0.53
	Sill	WP	-0.10	3.12	2.00	-0.10	7.13	0.02	0.03	0.00	0.53
		WS	0.10	3.12	2.00	0.10	5.68	0.02	0.03	0.00	0.53

WP - 1.4Wind_Pressure
WS - 1.4Wind_Suction

011467_RF Wall 1 - Diagonal Bracing Design 3/26/24 3:26pm

PANEL SHEAR WITH NO BRACING:

Base Length	---Wind--- Load	Calc	--Seismic- Load	Calc	Limit
32.00	57	78.6	208	62.6	100.0

DIAGONAL BRACE LAYOUT:

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Bay Id	Brace_Locate Start	End	Bay Width	Design Length	Diag_Brace Type	Size	Part	KL/R Calc	Limit
2	0.00	17.72	13.33	22.17	R	0.500	0.50_ROD		

DIAGONAL BRACE STRENGTH:

Bay Id	Brace_Locate Start	End	Wind(k) Load	Calc	Limit	Seismic(k) Load	Calc	Limit	Max UC
2	0.00	17.72	71	4.18	6.78	141	2.56	6.78	0.62

COLUMN BASE REACTIONS:

Bay Id	Col Id	Wind_Max(k) Load	Horz	Vert(+/-)	Seismic_Max(k) Load	Horz	Vert(+/-)
2	2	122	-1.40	1.87	208	-1.54	2.05
2	3	71	2.52	3.34	141	1.54	2.05

DEFLECTION AT RAFTER:

Wall Height	Deflection(in) Wind	Seismic	Span/Deflect Wind Calc	Limit	Seismic Calc	Limit
17.7	0.09	0.07	999.	60.	999.	60.

LOAD COMBINATIONS:

57 - 1.25Dead+1.25Collateral+1.4Wind_Right1+1.4Wind_Suction
71 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Right1+1.4Wind_Suction
122 - 0.9Dead+Live/2+1.4Wind_Left2+1.4Wind_Pressure
141 - Dead+Collateral+Seismic_R
208 - Dead+Collateral+Live/2+Seismic_L

011467_RF Wall 1 - Wall Panel Design 3/26/24 3:26pm

PANEL DATA:

Bay Id	Part	Type	Gage	Yield	Rotation Stiffness	Panel Height
1	26 PBR	PBR	26.00	80.0	0.00	18.09

MOMENTS & DEFLECTION:

Moment(ft-lb/ft)

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11		
		Vars/ON/K0A 3H0		

Span Id	Locate(ft) Start	End	Load	Start Calc	Start Limit	Midspan Calc	Midspan Limit	End Calc	End Limit	Max UC	Deflect(in) Calc	Deflect(in) Limit
1	0.00	7.50	WP	0.0	205.2	-130.9	187.2	166.2	205.2	0.81	-0.41	1.00
			WS	0.0	205.2	131.5	205.2	-167.0	187.2	0.89	0.41	1.00
2	7.50	14.00	WP	166.2	205.2	-41.6	187.2	67.5	205.2	0.81	-0.04	0.87
			WS	-167.0	187.2	41.8	205.2	-67.8	187.2	0.89	0.04	0.87
3	14.00	18.09	WP	67.5	205.2	-32.2	187.2	0.0	205.2	0.33	-0.02	0.55
			WS	-67.8	187.2	32.3	205.2	0.0	205.2	0.36	0.02	0.55

WP - 1.4Wind_Pressure
WS - 1.4Wind_Suction

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011467_RF Wall 1 - Panel Zones 3/26/24 3:26pm

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PANEL:

Part	Thick (in)	Yield (ksi)	Tensile Strength (ksi)
26 PBR	0.019	80.00	104.0

GIRT SCREWS:

Part	Dia (in)	Washer (in)	Limit (k)
SSS125	0.25	0.50	1.00

PANEL ZONE LAYOUT:

Zone Id	Description	Wall(ft) Offset1	Wall(ft) Offset2	Bay Id	Girt(ft,ft,in) Locate	Load Width	Min Thick	Panel Span (ft)
1	Interior	4.00	36.00	1	7.50	7.00	0.059	7.50
2	Lt Edge	0.00	4.00	1	7.50	7.00	0.059	7.50
3	Rt Edge	36.00	40.00	3	7.50	7.00	0.059	7.50

GIRT SCREW CHECK:

Zone Id	Screw Space (ft)	Wind Suction (psf)	Load (k)	Limit(k) Girt Pullout	Panel Pullover	Screw Tension	Max UC
1	1.00	26.00	0.18	0.36	0.59	0.32	0.57
2	1.00	29.38	0.21	0.36	0.59	0.32	0.64
3	1.00	29.38	0.21	0.36	0.59	0.32	0.64

BASE SCREWS:

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Part	Dia (in)	Washer (in)	Limit (k)
SSS125	0.25	0.50	1.00

BASE SCREW CHECK:

Base Length	Screw Space (ft)	Force/Screw Wind (k)	Force/Screw Seis (k)	Shear Limit (k)	Max UC
32.00	1.00	0.076	0.061	0.400	0.19

011467_RF Wall 1 - Weight Summary 3/26/24 3:26pm

Columns	=	1235.62
Rafters	=	722.50
Girts	=	216.53
Framed Openings	=	133.40
Bracing	=	29.03
Clips	=	19.80
Total Weight	=	2356.89

011467_RF Wall 1 - Warning Summary 3/26/24 3:26pm

.. No Warnings

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11		
		Vars/ON/K0A 3H0		

```
*=============================================================================
*011467_RF           Endwall Design Input                        3/26/24  3:25pm
*=============================================================================

*( 1)JOBID:
    '011467_RF'

*( 2)PROGRAM OPTIONS:
* -Wall-   Run    Run  Run   Run
* Loc Id  Col/Raf Girt Brace Panel
  'R'  3    'Y'    'Y'  'Y'   'Y'

*( 3)DESIGN CODE:
*Design  ---Steel_Code---             ---Build---   Code     Seismic
* Code   Cold       Hot      Country  Code   Year   Label     Zone
  'LS'  'NACN12  ' 'CSA14 '  '----'  'NBC '  '15'  'ONBC 19 ' 'D  '

*( 4)DESIGN CONSTANTS:
*                     ---Strength_Factors--
* ---Stress_Ratio---          ---Seismic---
* Col/Raf Girt Panel    Wind   Frame  Brace
    1.00  1.00  1.00  1.0000  1.0000 1.0000

*( 5)STEEL YIELDS:
* Web   Flg  C_Sec  W_Sec  R_Sec  P_Sec  T_Sec  U_Sec    EP     BP
 55.0  55.0   55.0   55.0   50.0   46.0   46.0   36.0  55.0   55.0

*( 6)DEFLECTION LIMITS:
* -----Rafter-----          ---Girt---  --Panel---
* Live  Wind Total  Column  Wall Facia  Wall Facia  Brace
  180.  180.    0.   180.    90.   90.   90.   90.    60.

*( 7)REPORTS:
*   Input  Column  Wall  Door  Wall   Cable
*   Echo   Rafter  Girt  Jamb  Panel  Brace
    'Y'     'Y'    'Y'   'Y'    'Y'    'Y'

*( 8)BUILDING LAYOUT:
*                              ---------------Expand_EW---------------
* Type      Width     Length    Use Opt  Extend Offset Flange LoadWidth
 'FF-'    40.0000    80.0000   'N ' '-'   0.000  0.000  0.000   0.0000

*( 9)SURFACE SHAPE:
* No.    X_Coord  Y_Coord  Offset  Opt
   3      0.0000  20.3333   8.000  '-'
         40.0000  17.0000  10.000  '-'
         40.0000   0.0000   8.000  '-'


*(10)BAY SPACING:
* No.   ---Bay_Set---
*Sets     Width  Quan
   1    13.3333    3
```

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11		
		Vars/ON/K0A 3H0		

```
*(11)ROOF & SIDEWALL BAY:
* --Roof_Bay--   Frame    Left_SW_Bay   Right_SW_Bay
* No.    Width  Recess     Width Open     Width Open
   4   20.0000  0.3333   20.0000  'N'   20.0000  'N'

*(12)WALL OPENINGS:
*         ----Bay---                              Sill   Base    Set  Panel
JambL/JambR/Header/Sill
*No.  Id  Id  Offset  Type    Width    Height  Height   Elev  Depth   Opt    Type    Part
  1    6   3  3.0000   11    3.3333   7.1667  0.0000  0.000  0.000   'F'    'CU'
'--------'
                                                                          'CU'
'--------'
                                                                          'CU'
'--------'
                                                                          'CU'
'--------'

*(13)WIDE OPENING LAYOUT:
*----Open--- Bay_Id  --Clear_Opening--   Wedge     Stub    Column  Total
*No. Id Type St End  Width      Height   Height    Elev     Mount  Weight
 0

*(14)WIDE OPENING & STRUT FRAMING:
*-Open- ------Door_Jamb------ Stub   Head Back_Brace Strut -Header_Beam- Deflection
*No. Id Type   FlgWid  FlgThk Type   Type Type  Loc  Type  Type Max_Spc  Horz  Vert
 0

*(15)WIDE OPENING HEADER LOCATION:
*-Open-    No.        Column
*No. Id    Location   Location
 0

*(16)PARTIAL WALLS:
*                --Bay_Id-  ----Offset----          Jamb Base  Top Full_Load
------Panel------  Deflect_Limit
*No. Id  Use Opt Start End   Start     End   Height Type Type Type Girt  Col  Part
Opt Rot   Girt   Panel
  0

*(17)COLUMNS:
*          Max
*Same  UnBrace
*Depth  Length
  'Y'   60.000

*(18)COLUMN PART & ELEVATION:
*                                          ---Base---  Rafter
*No. Id  Type    Part       Opt  Rot   Depth    Elev  Opt  Attach
  4   1  'W   ' '--------'  '-'  'N'   0.000   0.000  '-'   'F'
      2  'W   ' '--------'  '-'  '-'   0.000   0.000  '-'   'F'
      3  'W   ' '--------'  '-'  '-'   0.000   0.000  '-'   'F'
      4  'W   ' '--------'  '-'  'N'   0.000   0.000  '-'   'F'
```

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

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*(19)COLUMN SPLICES:
*     Col
* No.  Id    Locate  Type
   0

*(20)RAFTERS:
*Rafter  Flange
* Same    Brace
   'Y'     'Y'

*(21)RAFTER PART:
*    Surf
*No.  Id   Type    Part       Opt  Rot  Depth
  2    2  'W   '  '--------'  '-'  '-'  0.000
       2  'W   '  '--------'  '-'  '-'  0.000

*(22)RAFTER SPLICES:
*     Surf
* No.  Id    Locate  Type  Opt
   3    2    0.0000  '--'  '-'
        2   10.3795  'M '  '-'
        2   40.1386  '--'  '-'

*(23)GIRT DESIGN:
*Girt  --Flange_Strap--                    --Depth--     Set     Max  Rafter
*Type  Out  In    Space  Offset  Project    Set Opt     Lap   Space  Attach
 'ZF'  'C'  'Y' 10.0000   0.000    0.000  8.000 'W'  0.0000  7.5000    'Y'

*(24)GIRT LOCATION:
* Set
* Loc   No.   Location
  'P'    2     7.5000  14.0000

*(25)SPECIAL GIRT:
*     --Bay_Id--
*No.  Start  End   Height  Type  Rot  Part       Use
  0

*(26)SIDEWALL GIRT:
*Wall
* Id   Type  Depth Offset Project   No.   Location
   2   'ZB'  8.000  0.000   0.000    2     7.5000  14.0000
   4   'ZB'  8.000  0.000   0.000    2     7.5000  14.0000

*(27)ROOF PURLINS:
*Surf   Surf     Peak
* Id     Ext     Space  No.  Locate
   2   0.000    1.0000   9   1.0000   5.3487   9.6975  14.0462  18.3950  22.7437
                           27.0924  31.4412  35.7899

*(28)WALL PANELS:
*--Wall_Panel--  ------Insulation-----
* Part      Rot  Use  Thick  Part
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 '26 PBR  ' '-'  'N'  0.000 '--------'

*(29)LINER PANELS:
*      --Bay_Id-                        Flange
*No.   Start End    Height   Part        Opt
  0

*(30)RIGID FRAME:
*Frame Interior_Column
*Type  Type  No.  Locate
 '-- ' '-'    0

*(31)WALL FRAMING OPTIONS:
*Panel  Diagonal  Brace            EW_Brace_To_Frame
*Shear  Bracing   Option  Height      Left     Right
  'N'     'Y'      '--'   0.0000   13.9977   26.9988

*(32)WALL BRACING:
*   Wind   Brace     No._Bay   Specified
*  Shear   Type     Specified  Bays_For_Bracing
   100.0    'R  '       1          2

*(33)WALL BRACING ATTACHMENT:
*                --Bay_Id--            No.
* No.      Id     Start  End     Elev  Level         Level_Height
    1       1       1     3     0.000    0

*(34)EXTENSION LAYOUT:
*    Ext  Wall                    --Bay_Id-   --Edge_Extend--     Beam
*No.  Id   Id   Type  Opt  Mount Start End     Left    Right      Lap  Attach
   0

*(35)EXTENSION SIZE:
*Ext  -----Horizontal_Size-----   ---------Vertical_Size--------
* Id    Height    Width   Slope      Elev  Height  Slope Project

*(36)EXTENSION GIRTS:
*    Ext
*No.  Id   Use        Type  Rot  Depth
  0

*(37)EXTENSION PANELS:
*     Ext                               Angle
*No.  Id   Use        Part       Rot  Spacing
  0

*(38)BASIC LOADS:
*                                        ---Deflection---  Load_Factor
* Dead   Collat  Live   Snow  Rain  Basic     Load_Ratio     Girt   Conn
* Load    Load   Load   Load  Load   Wind  Snow  Wind  Seis  Wind   Seis
  2.20    3.00  21.00  48.49  0.00   7.74  0.90  0.75  1.00  1.40   1.00

*(39)EDGE ZONE:
*----------Endwall----------  ---------Sidewall----------  --------Ratio--------
```

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*-Left_Corner-   Right_Corner  -Left_Corner-  Right_Corner                    Jamb/
* Width   Base   Width   Base   Width   Base  Width   Base   Girt   Panel  Column
  4.000  0.000   4.000  0.000   4.000  0.000  4.000  0.000   1.04    1.13   1.02

*(40)BASIC LOADS AT EAVE:
* Seis    Seis   Seis   --Torsion--   --Extension--   -Additional-
* Dead    Girt   Load   Wind   Seis     Wind   Seis    Wind   Seis
  2.20  0.0000   1.54   0.00   0.00     0.00   0.00    0.00   0.00

*(41)LONGITUDINAL BRACING LOADS:
* ----Wind-----   ---Seismic---
*  Horz    Vert    Horz    Vert
   0.00    0.00    0.00    0.00  .. Left  Column
   0.00    0.00    0.00    0.00  .. Right Column

*(42)WIND PRESSURE/SUCTION:
*   Wind      Wind
*   Press     Suct
    12.77    -8.90    .. Column
    18.62   -17.20    .. Girt/Header
    18.62   -17.20    .. Jamb
    20.89   -18.57    .. Panel
    20.12   -20.12    .. Parapet Column
    20.12   -20.12    .. Parapet Girt
    13.93    -8.51    .. Transv Bracing, Facia/Parapet

*(43)WIND COEFFICIENTS:
*  Surf      Wind_1         Wind_2       Long_Wind   Surface
*   Id    Left  Right    Left  Right      1      2   Friction
     1    0.55  -1.40    2.05   0.10   -1.50  -1.50   0.00
     2   -1.60  -2.60   -0.10  -1.10   -2.60  -2.60   0.00
     3   -1.40   0.55    0.10   2.05   -1.50  -1.50   0.00

*(44)COLUMN, RAFTER, BRACING DESIGN LOADS: Strength
*                                      Factored_Load
*-Load-            ---Live---        -Add_Snow-          Wind1        Wind2
Long_Wind Column_Wind  -Seismic--  Aux_Load
*No  Id  Dead Coll Roof Floor  Snow Drift Slide  Rain  Left  Right  Left Right     1
 2 Press  Suct  Long  Tran  Id  Coef
209   1  1.25 1.25 1.50  0.00  0.00  0.00  0.00  0.00  0.00   0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00   0  0.00
      2  1.40 1.40 0.00  0.00  0.00  0.00  0.00  0.00  0.00   0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00   0  0.00
      3  1.25 1.25 0.00  0.00  1.00  1.00  1.00  0.00  0.00   0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00   0  0.00
      4  1.25 1.25 1.50  0.00  0.00  0.00  0.00  0.00  0.40   0.00  0.00  0.00  0.00
0.00  0.40  0.00  0.00  0.00   0  0.00
      5  1.25 1.25 1.50  0.00  0.00  0.00  0.00  0.00  0.40   0.00  0.00  0.00  0.00
0.00  0.00  0.40  0.00  0.00   0  0.00
      6  1.25 1.25 1.50  0.00  0.00  0.00  0.00  0.00  0.00   0.40  0.00  0.00  0.00
0.00  0.40  0.00  0.00  0.00   0  0.00
      7  1.25 1.25 1.50  0.00  0.00  0.00  0.00  0.00  0.00   0.40  0.00  0.00  0.00
0.00  0.00  0.40  0.00  0.00   0  0.00
      8  1.25 1.25 1.50  0.00  0.00  0.00  0.00  0.00  0.00   0.00  0.40  0.00  0.00
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0.00 0.40 0.00 0.00 0.00 0 0.00
9 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00
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10 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00
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11 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00
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12 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40
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13 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
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14 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40
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58 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00
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61 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
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84 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 1.40 0.00 0.00 0.00 0.00
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85 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 1.40 0.00 0.00 0.00
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86 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 1.40 0.00 0.00 0.00 0.00
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87 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 1.40 0.00 0.00 0.00
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88 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00
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	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

| | | | |

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

0.00 0.00 1.40 0.00 0.00 0 0.00
117 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.00 1.40 0.00 0.00 0.00 0 0.00
118 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40
0.00 1.40 0.00 0.00 0.00 0 0.00
119 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
1.40 1.40 0.00 0.00 0.00 0 0.00
120 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40
0.00 0.00 1.40 0.00 0.00 0 0.00
121 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
1.40 0.00 1.40 0.00 0.00 0 0.00
122 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00
0.00 1.40 0.00 0.00 0.00 0 0.00
123 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00
0.00 0.00 1.40 0.00 0.00 0 0.00
124 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00
0.00 0.00 1.40 0.00 0.00 0 0.00
125 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00
0.00 1.40 0.00 0.00 0.00 0 0.00
126 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 1.40 0.00 0.00 0.00 0.00
0.00 0.00 1.40 0.00 0.00 0 0.00
127 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 1.40 0.00 0.00 0.00
0.00 0.00 1.40 0.00 0.00 0 0.00
128 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 1.40 0.00 0.00 0.00 0.00
0.00 1.40 0.00 0.00 0.00 0 0.00
129 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 1.40 0.00 0.00 0.00
0.00 1.40 0.00 0.00 0.00 0 0.00
130 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 1.40 0.00 0.00 0 0.00
131 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00
0.00 1.40 0.00 0.00 0.00 0 0.00
132 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 1.40
0.00 1.40 0.00 0.00 0.00 0 0.00
133 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00
1.40 1.40 0.00 0.00 0.00 0 0.00
134 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 1.40
0.00 0.00 1.40 0.00 0.00 0 0.00
135 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00
1.40 0.00 1.40 0.00 0.00 0 0.00
136 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 1.40 0.00 0.00
0.00 1.40 0.00 0.00 0.00 0 0.00
137 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 1.40 0.00
0.00 0.00 1.40 0.00 0.00 0 0.00
138 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 1.40 0.00 0.00
0.00 0.00 1.40 0.00 0.00 0 0.00
139 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 1.40 0.00
0.00 1.40 0.00 0.00 0.00 0 0.00
140 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 1.00 0 0.00
141 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 -1.00 0 0.00
142 1.00 1.00 0.00 0.00 0.25 0.25 0.25 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 1.00 0 0.00
143 1.00 1.00 0.00 0.00 0.25 0.25 0.25 0.00 0.00 0.00 0.00 0.00 0.00

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

0.00 0.00 0.00 0.00 -1.00 0 0.00
144 1.25 1.25 0.00 0.00 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 1 1.50
145 1.25 1.25 0.00 0.00 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 2 1.50
146 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
147 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
148 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
149 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
150 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
151 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40
0.00 0.00 0.00 0.00 0.00 0 0.00
152 1.25 1.25 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.40 0.00 0.00 0.00 0.00 0 0.00
153 0.90 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
154 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
155 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
156 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
157 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
158 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40
0.00 0.00 0.00 0.00 0.00 0 0.00
159 0.90 0.00 1.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.40 0.00 0.00 0.00 0.00 0 0.00
160 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.40 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
161 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.40 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
162 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.40 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
163 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.40 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
164 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.00 0.40
0.00 0.00 0.00 0.00 0.00 0 0.00
165 1.25 1.25 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.00 0.00
0.40 0.00 0.00 0.00 0.00 0 0.00
166 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.40 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
167 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.40 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
168 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.40 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
169 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.40 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
170 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.00 0.40

	Job No	011467_RF	**Date**	3/26/2024
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	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

0.00 0.00 0.00 0.00 0.00 0 0.00
171 0.90 0.00 0.00 0.00 1.50 1.50 1.50 0.00 0.00 0.00 0.00 0.00 0.00
0.40 0.00 0.00 0.00 0.00 0 0.00
172 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
173 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
174 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
175 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
176 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40
0.00 0.00 0.00 0.00 0.00 0 0.00
177 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
1.40 0.00 0.00 0.00 0.00 0 0.00
178 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
179 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
180 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
181 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
182 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40
0.00 0.00 0.00 0.00 0.00 0 0.00
183 1.25 1.25 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
1.40 0.00 0.00 0.00 0.00 0 0.00
184 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 1.40 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
185 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 1.40 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
186 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 1.40 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
187 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 1.40 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
188 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 1.40
0.00 0.00 0.00 0.00 0.00 0 0.00
189 1.25 1.25 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00
1.40 0.00 0.00 0.00 0.00 0 0.00
190 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
191 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
192 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
193 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
194 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.40
0.00 0.00 0.00 0.00 0.00 0 0.00
195 0.90 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
1.40 0.00 0.00 0.00 0.00 0 0.00
196 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0 0.00
197 0.90 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 1.40 0.00 0.00 0.00

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

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0.00  0.00  0.00  0.00  0.00    0  0.00
    198  0.90 0.00 0.50  0.00  0.00  0.00  0.00  0.00  0.00  0.00   0.00  1.40  0.00  0.00
0.00  0.00  0.00  0.00  0.00    0  0.00
    199  0.90 0.00 0.50  0.00  0.00  0.00  0.00  0.00  0.00  0.00   0.00  0.00  1.40  0.00
0.00  0.00  0.00  0.00  0.00    0  0.00
    200  0.90 0.00 0.50  0.00  0.00  0.00  0.00  0.00  0.00  0.00   0.00  0.00  0.00  1.40
0.00  0.00  0.00  0.00  0.00    0  0.00
    201  0.90 0.00 0.50  0.00  0.00  0.00  0.00  0.00  0.00  0.00   0.00  0.00  0.00  0.00
1.40  0.00  0.00  0.00  0.00    0  0.00
    202  0.90 0.00 0.00  0.00  0.50  0.50  0.50  0.00  1.40  0.00   0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00    0  0.00
    203  0.90 0.00 0.00  0.00  0.50  0.50  0.50  0.00  0.00  1.40   0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00    0  0.00
    204  0.90 0.00 0.00  0.00  0.50  0.50  0.50  0.00  0.00  0.00   1.40  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00    0  0.00
    205  0.90 0.00 0.00  0.00  0.50  0.50  0.50  0.00  0.00  0.00   0.00  1.40  0.00  0.00
0.00  0.00  0.00  0.00  0.00    0  0.00
    206  0.90 0.00 0.00  0.00  0.50  0.50  0.50  0.00  0.00  0.00   0.00  0.00  1.40  0.00
0.00  0.00  0.00  0.00  0.00    0  0.00
    207  0.90 0.00 0.00  0.00  0.50  0.50  0.50  0.00  0.00  0.00   0.00  0.00  0.00  0.00
1.40  0.00  0.00  0.00  0.00    0  0.00
    208  1.00 1.00 0.50  0.00  0.00  0.00  0.00  0.00  0.00  0.00   0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  1.00    0  0.00
    209  1.00 1.00 0.50  0.00  0.00  0.00  0.00  0.00  0.00  0.00   0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00 -1.00    0  0.00

*(45)COLUMN, RAFTER, BRACING DESIGN LOADS: Serviceability
*-Load-            ---Live---        -Add_Snow-          Wind_1       Wind_2
Long_Wind Column_Wind  -Seismic--  Aux_Load
*No  Id  Dead Coll Roof Floor  Snow Drift Slide  Rain  Left  Right  Left Right     1
 2 Press  Suct  Long  Tran  Id  Coef
119 210  1.00 0.00 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00   0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00    0  0.00
    211  1.00 1.00 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00   0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00    0  0.00
    212  1.00 1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00   0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00    0  0.00
    213  1.00 1.00 0.00  0.00  1.00  1.00  1.00  0.00  0.00  0.00   0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00    0  0.00
    214  1.00 1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.40  0.00   0.00  0.00  0.00  0.00
0.00  0.40  0.00  0.00  0.00    0  0.00
    215  1.00 1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.40   0.00  0.00  0.00  0.00
0.00  0.40  0.00  0.00  0.00    0  0.00
    216  1.00 1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.40  0.00   0.00  0.00  0.00  0.00
0.00  0.00  0.40  0.00  0.00    0  0.00
    217  1.00 1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.40   0.00  0.00  0.00  0.00
0.00  0.00  0.40  0.00  0.00    0  0.00
    218  1.00 1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00   0.00  0.00  0.00  0.00
0.00  0.00  0.40  0.00  0.00    0  0.00
    219  1.00 1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00   0.00  0.00  0.00  0.00
0.00  0.40  0.00  0.00  0.00    0  0.00
    220  1.00 1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00   0.40  0.00  0.00  0.00
0.00  0.40  0.00  0.00  0.00    0  0.00
    221  1.00 1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00   0.00  0.40  0.00
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	Customer	Norsteel Buildings	Designed By	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

0.00 0.40 0.00 0.00 0.00 0 0.00
222 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00
0.00 0.00 0.40 0.00 0.00 0 0.00
223 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00
0.00 0.00 0.40 0.00 0.00 0 0.00
224 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40
0.00 0.40 0.00 0.00 0.00 0 0.00
225 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.40 0.40 0.00 0.00 0.00 0 0.00
226 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40
0.00 0.00 0.40 0.00 0.00 0 0.00
227 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.40 0.00 0.40 0.00 0.00 0 0.00
228 1.00 1.00 0.00 0.00 1.00 1.00 1.00 0.00 0.40 0.00 0.00 0.00 0.00
0.00 0.40 0.00 0.00 0.00 0 0.00
229 1.00 1.00 0.00 0.00 1.00 1.00 1.00 0.00 0.00 0.40 0.00 0.00 0.00
0.00 0.40 0.00 0.00 0.00 0 0.00
230 1.00 1.00 0.00 0.00 1.00 1.00 1.00 0.00 0.40 0.00 0.00 0.00 0.00
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231 1.00 1.00 0.00 0.00 1.00 1.00 1.00 0.00 0.00 0.40 0.00 0.00 0.00
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232 1.00 1.00 0.00 0.00 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00
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233 1.00 1.00 0.00 0.00 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00
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234 1.00 1.00 0.00 0.00 1.00 1.00 1.00 0.00 0.00 0.00 0.40 0.00 0.00
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235 1.00 1.00 0.00 0.00 1.00 1.00 1.00 0.00 0.00 0.00 0.40 0.00 0.00
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236 1.00 1.00 0.00 0.00 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.40 0.00
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237 1.00 1.00 0.00 0.00 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.40 0.00
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238 1.00 1.00 0.00 0.00 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.40
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239 1.00 1.00 0.00 0.00 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00
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243 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00 0.00
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244 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00 0.00 0.00
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245 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00 0.00
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246 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
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247 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 1.00 0.00 0.00 0 0.00
248 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

0.00 1.00 0.00 0.00 0.00 0 0.00
249 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00
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250 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00
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251 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00
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253 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
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254 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00
0.00 0.00 1.00 0.00 0.00 0 0.00
255 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
1.00 0.00 1.00 0.00 0.00 0 0.00
256 1.00 1.00 0.50 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00 0.00 0.00
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257 1.00 1.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00 0.00
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258 1.00 1.00 0.50 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00 0.00 0.00
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259 1.00 1.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00 0.00
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260 1.00 1.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
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261 1.00 1.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
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262 1.00 1.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00
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263 1.00 1.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00
0.00 1.00 0.00 0.00 0.00 0 0.00
264 1.00 1.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00
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265 1.00 1.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00
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266 1.00 1.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00
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267 1.00 1.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
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268 1.00 1.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00
0.00 0.00 1.00 0.00 0.00 0 0.00
269 1.00 1.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
1.00 0.00 1.00 0.00 0.00 0 0.00
270 1.00 1.00 0.00 0.00 0.50 0.50 0.50 0.00 1.00 0.00 0.00 0.00 0.00
0.00 1.00 0.00 0.00 0.00 0 0.00
271 1.00 1.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 1.00 0.00 0.00 0.00
0.00 1.00 0.00 0.00 0.00 0 0.00
272 1.00 1.00 0.00 0.00 0.50 0.50 0.50 0.00 1.00 0.00 0.00 0.00 0.00
0.00 0.00 1.00 0.00 0.00 0 0.00
273 1.00 1.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 1.00 0.00 0.00 0.00
0.00 0.00 1.00 0.00 0.00 0 0.00
274 1.00 1.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00
0.00 1.00 0.00 0.00 0.00 0 0.00
275 1.00 1.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00

	Job No	011467_RF	Date	3/26/2024
	Customer	Norsteel Buildings	Designed By	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

0.00 0.00 1.00 0.00 0.00 0 0.00
276 1.00 1.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 1.00 0.00 0.00
0.00 1.00 0.00 0.00 0.00 0 0.00
277 1.00 1.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 1.00 0.00
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278 1.00 1.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 1.00 0.00 0.00
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279 1.00 1.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 1.00 0.00
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280 1.00 1.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 1.00
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281 1.00 1.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00
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282 1.00 1.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 1.00
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283 1.00 1.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00
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284 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
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285 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
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286 1.00 1.00 0.00 0.00 0.25 0.25 0.25 0.00 0.00 0.00 0.00 0.00 0.00
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287 1.00 1.00 0.00 0.00 0.25 0.25 0.25 0.00 0.00 0.00 0.00 0.00 0.00
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288 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00 0.00 0.00
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289 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00 0.00
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290 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00
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291 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00
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292 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00
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293 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
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294 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
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295 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
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296 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
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297 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
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298 0.00 0.00 0.00 0.00 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00
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299 0.00 0.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
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300 0.00 0.00 0.00 0.00 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
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301 0.00 0.00 0.00 0.00 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 2 0.90
302 1.00 1.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

0.00 0.00 0.00 0.00 0.00 0 0.00
303 1.00 0.00 1.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00 0.00
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304 1.00 0.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00 0.00
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305 1.00 0.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00 0.00
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306 1.00 0.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.40 0.00
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307 1.00 0.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
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308 1.00 0.00 0.00 0.00 1.00 1.00 1.00 0.00 0.40 0.00 0.00 0.00 0.00
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309 1.00 0.00 0.00 0.00 1.00 1.00 1.00 0.00 0.00 0.40 0.00 0.00 0.00
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310 1.00 0.00 0.00 0.00 1.00 1.00 1.00 0.00 0.00 0.00 0.40 0.00 0.00
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311 1.00 0.00 0.00 0.00 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.40 0.00
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312 1.00 0.00 0.00 0.00 1.00 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00
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313 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00 0.00 0.00
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314 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00 0.00
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315 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00
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316 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00
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317 1.00 0.00 0.50 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00 0.00 0.00
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318 1.00 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00 0.00
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319 1.00 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00 0.00
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320 1.00 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 0.00
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321 1.00 0.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
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322 1.00 0.00 0.00 0.00 0.50 0.50 0.50 0.00 1.00 0.00 0.00 0.00 0.00
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323 1.00 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 1.00 0.00 0.00 0.00
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324 1.00 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 1.00 0.00 0.00
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325 1.00 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 1.00 0.00
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326 1.00 0.00 0.00 0.00 0.50 0.50 0.50 0.00 0.00 0.00 0.00 0.00 0.00
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327 1.00 1.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
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328 1.00 1.00 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 -1.00 0 0.00

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11		
		Vars/ON/K0A 3H0		

```
*(46)AUXILIARY LOADS:
*                         No._Add   Add_Load
* No.   Id   Name          Combs   Id    Coef
   2     1   'E2UNB_SL_L'   2      1    1.00
                                    2    0.50
         2   'E2UNB_SL_R'   2      1    0.50
                                    2    1.00


*(47)ADDITIONAL LOADS:
*     Add   Loc  Basic         Load       Fx         Fy       Mom         Dx         Dy  ..
Conc
*No.   Id   Id   Load          Type       W1         W2        Co        Dl1        Dl2  ..
Dist
   2    1    2  'U_SNOW    '  'D '   -0.490    -0.490   -0.083    0.0000   20.0693
        2    2  'U_SNOW    '  'D '   -0.490    -0.490   -0.083   20.0693   40.1386

*(48)GIRT LAPS:
*      Data  ------Set_1-------  ------Set_2-------  ------Set_3-------
* Opt  Sets  Left    Right Quan  Left    Right Quan  Left    Right Quan
  '-'   0

*(49)GIRT STRAPS:
*     Data  ---Set_1---  ---Set_2---  ---Set_3---  ---Set_4---
*Opt  Sets  Strap  Quan  Strap  Quan  Strap  Quan  Strap  Quan
 '-'   0

*(50)PANEL SCREWS:
* No.                                    Washer
*Zone Zone   Part          Dia    Limit     Dia  -------Spacing------
   3 'INT ' 'SSS125  '   0.250    1.000   0.500  12.000  6.000  0.000
     'EDGE' 'SSS125  '   0.250    1.000   0.500  12.000  6.000  0.000
     'BASE' 'SSS125  '   0.250    1.000   0.500  12.000  6.000  0.000

*(51)BEAMS:
*     Bay
*No.   Id Use    Height   Offset  Locate1  Locate2
  0

*(52)STEP LOAD COEFFICIENTS:
*     Basic    Location   No.  ----Step_1---   ----Step_2---   ----Step_3---
*No.  Load      Use  Id  Step  Locate   Coef   Locate   Coef   Locate   Coef
  0

*(53)ADDITIONAL COLUMNS:
*No.  Id   Locate  Type  Rot  Opt  Part          Elev
  0

*(54)RIGID FRAME COORDINATES:
*Frame Frame                          Flange
*  Id   Type  No.  X_Coord    Y_Coord   Width
    0   '--'   0

*(55)DESIGN CODE OPTIONS:
```

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11		
		Vars/ON/K0A 3H0		

```
*No.   Event                          Condition
  0

*(56)DESIGN PLATES:
*     ----Plate---   --Plate_Size-   Bolt   Bolt  ----Top---  --Bottom--   Plate  Bolt
*No.  Type      Id   Width   Thick    Dia   Gage  Row  Space  Row  Space  Offset  Edge
  0

*(57)GIRT LAYOUT:
*      Bay                                      -----Extend----   Frame_Opt  -Frame_Id-
*  No.  Id   Locate  Type  Rot Opt  Part          Left   Right  Left Right  Left Right
    0

*(58)COLUMN FLANGE BRACE:
*      Col
*No.   Id   Girt   Side  Opt
  0

*AUXILIARY LOAD DESCRIPTIONS:
* Aux
*  Id  Description
*   1  Unbalanced snow load left
*   2  Unbalanced snow load right
*
*ADDITIONAL LOAD DESCRIPTIONS:
* Add
*  Id  Description
*   1  Unbalanced snow load surface 2
*   2  Unbalanced snow load surface 2
*
* Code files used:
*   ON_ONBC.19LN
*   EW_NBC.15LN Version 4.0

================================================================================
 011467_RF           Wall 3 - Design Code                      3/26/24  3:27pm
================================================================================

 STRUCTURAL CODE:
 ----------------
   Design Basis      :  LS - Limit States
   Hot  Rolled Steel :  CSA14
   Cold Formed Steel :  NACN12

 BUILDING CODE:
 --------------
   Wind Code         :  ONBC 19  (NBC  15)
   Seismic Zone      :  D

 MODULUS OF ELASTICITY:
 ----------------------
   Hot  Rolled Steel :   29007 (ksi  )
   Cold Formed Steel :   29500 (ksi  )
```

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

011467_RF Wall 3 - Column & Rafter Design 3/26/24 3:27pm

MEMBER LAYOUT:

Id	Locate (ft)	Part	Web(in) Depth	Web(in) Thick	Flange(in) Width	Flange(in) Thick	Length (ft)	Weight (lb)	Max_Load Id	Max_Load UC	Max_Load Report
Col1	0.7	W8X18	7.48	0.230	5.25	0.330	18.8	337.9	101	0.08	Mom+Axl
Col2	13.3	W8X18	7.48	0.230	5.25	0.330	17.7	318.9	104	0.15	Mom+Axl
Col3	26.7	W8X18	7.48	0.230	5.25	0.330	16.6	298.9	94	0.15	Mom+Axl
Col4	39.3	W8X18	7.48	0.230	5.25	0.330	15.6	279.9	104	0.06	Mom+Axl
Raf1	Surf 2	W8X18	7.48	0.230	5.25	0.330	10.3	185.6	144	0.15	Mom+Axl
Raf2	Surf 2	W8X18	7.48	0.230	5.25	0.330	29.8	536.9	30	0.20	Mom+Axl
								1958.1			
							Total=				

DESIGN ACTIONS/RESISTANCE:

Id	Load Id	Axial(k) Calc	Axial(k) Limit	Shear(k) Calc	Shear(k) Limit	Moment(f-k) Calc	Moment(f-k) Limit
Col1	1	2.78	152.97	0.00	56.18	0.00	63.73
Col1	2	1.05	152.97	0.00	56.18	0.00	63.73
Col1	3	3.78	152.97	0.00	56.18	0.00	63.73
Col1	4	2.47	152.97	0.34	56.18	-1.58	67.60
Col1	5	2.47	152.97	-0.24	56.18	1.11	67.60
Col1	6	2.34	152.97	0.34	56.18	-1.58	67.60
Col1	7	2.34	152.97	-0.24	56.18	1.11	67.60
Col1	8	2.71	152.97	0.34	56.18	-1.58	67.60
Col1	9	2.71	152.97	-0.24	56.18	1.11	67.60
Col1	10	2.58	152.97	0.34	56.18	-1.58	67.60
Col1	11	2.58	152.97	-0.24	56.18	1.11	67.60
Col1	12	2.35	152.97	0.34	56.18	-1.58	67.60
Col1	13	2.35	152.97	0.34	56.18	-1.58	67.60
Col1	14	2.35	152.97	-0.24	56.18	1.11	67.60
Col1	15	2.35	152.97	-0.24	56.18	1.11	67.60
Col1	16	2.36	152.97	0.00	56.18	0.00	63.73
Col1	17	3.36	152.97	0.00	56.18	0.00	63.73
Col1	18	2.05	152.97	0.34	56.18	-1.58	67.60
Col1	19	2.05	152.97	-0.24	56.18	1.11	67.60
Col1	20	1.92	152.97	0.34	56.18	-1.58	67.60
Col1	21	1.92	152.97	-0.24	56.18	1.11	67.60
Col1	22	2.29	152.97	0.34	56.18	-1.58	67.60
Col1	23	2.29	152.97	-0.24	56.18	1.11	67.60
Col1	24	2.16	152.97	0.34	56.18	-1.58	67.60
Col1	25	2.16	152.97	-0.24	56.18	1.11	67.60
Col1	26	1.93	152.97	0.34	56.18	-1.58	67.60
Col1	27	1.93	152.97	0.34	56.18	-1.58	67.60
Col1	28	1.93	152.97	-0.24	56.18	1.11	67.60
Col1	29	1.93	152.97	-0.24	56.18	1.11	67.60

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col1	30	5.20	152.97	0.00	56.18	0.00	63.73
Col1	31	4.89	152.97	0.34	56.18	-1.58	67.60
Col1	32	4.89	152.97	-0.24	56.18	1.11	67.60
Col1	33	4.76	152.97	0.34	56.18	-1.58	67.60
Col1	34	4.76	152.97	-0.24	56.18	1.11	67.60
Col1	35	5.13	152.97	0.34	56.18	-1.58	67.60
Col1	36	5.13	152.97	-0.24	56.18	1.11	67.60
Col1	37	5.00	152.97	0.34	56.18	-1.58	67.60
Col1	38	5.00	152.97	-0.24	56.18	1.11	67.60
Col1	39	4.76	152.97	0.34	56.18	-1.58	67.60
Col1	40	4.76	152.97	0.34	56.18	-1.58	67.60
Col1	41	4.76	152.97	-0.24	56.18	1.11	67.60
Col1	42	4.76	152.97	-0.24	56.18	1.11	67.60
Col1	43	4.78	152.97	0.00	56.18	0.00	63.73
Col1	44	4.47	152.97	0.34	56.18	-1.58	67.60
Col1	45	4.47	152.97	-0.24	56.18	1.11	67.60
Col1	46	4.34	152.97	0.34	56.18	-1.58	67.60
Col1	47	4.34	152.97	-0.24	56.18	1.11	67.60
Col1	48	4.71	152.97	0.34	56.18	-1.58	67.60
Col1	49	4.71	152.97	-0.24	56.18	1.11	67.60
Col1	50	4.57	152.97	0.34	56.18	-1.58	67.60
Col1	51	4.57	152.97	-0.24	56.18	1.11	67.60
Col1	52	4.34	152.97	0.34	56.18	-1.58	67.60
Col1	53	4.34	152.97	0.34	56.18	-1.58	67.60
Col1	54	4.34	152.97	-0.24	56.18	1.11	67.60
Col1	55	4.34	152.97	-0.24	56.18	1.11	67.60
Col1	56	-0.56	260.28	-0.83	56.18	3.89	67.60
Col1	57	-1.02	260.28	-0.83	56.18	3.89	67.60
Col1	58	-0.56	260.28	1.17	56.18	-5.51	67.60
Col1	59	-1.02	260.28	1.17	56.18	-5.51	67.60
Col1	60	0.93	152.97	-0.83	56.18	3.89	67.60
Col1	61	0.93	152.97	1.17	56.18	-5.51	67.60
Col1	62	-1.01	260.28	1.17	56.18	-5.51	67.60
Col1	63	-1.01	260.28	1.17	56.18	-5.51	67.60
Col1	64	-1.01	260.28	-0.83	56.18	3.89	67.60
Col1	65	-1.01	260.28	-0.83	56.18	3.89	67.60
Col1	66	0.68	152.97	1.17	56.18	-5.51	67.60
Col1	67	0.22	152.97	-0.83	56.18	3.89	67.60
Col1	68	0.68	152.97	-0.83	56.18	3.89	67.60
Col1	69	0.22	152.97	1.17	56.18	-5.51	67.60
Col1	70	0.48	152.97	-0.83	56.18	3.89	67.60
Col1	71	-0.40	260.28	-0.83	56.18	3.89	67.60
Col1	72	0.48	152.97	1.17	56.18	-5.51	67.60
Col1	73	-0.40	260.28	1.17	56.18	-5.51	67.60
Col1	74	1.55	152.97	-0.83	56.18	3.89	67.60
Col1	75	1.55	152.97	1.17	56.18	-5.51	67.60
Col1	76	-0.40	260.28	1.17	56.18	-5.51	67.60
Col1	77	-0.40	260.28	1.17	56.18	-5.51	67.60
Col1	78	-0.40	260.28	-0.83	56.18	3.89	67.60
Col1	79	-0.40	260.28	-0.83	56.18	3.89	67.60
Col1	80	1.30	152.97	1.17	56.18	-5.51	67.60
Col1	81	0.84	152.97	-0.83	56.18	3.89	67.60
Col1	82	1.30	152.97	-0.83	56.18	3.89	67.60
Col1	83	0.84	152.97	1.17	56.18	-5.51	67.60

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col1	84	1.28	152.97	-0.83	56.18	3.89	67.60
Col1	85	0.82	152.97	-0.83	56.18	3.89	67.60
Col1	86	1.28	152.97	1.17	56.18	-5.51	67.60
Col1	87	0.82	152.97	1.17	56.18	-5.51	67.60
Col1	88	2.36	152.97	-0.83	56.18	3.89	67.60
Col1	89	2.36	152.97	1.17	56.18	-5.51	67.60
Col1	90	0.83	152.97	1.17	56.18	-5.51	67.60
Col1	91	0.83	152.97	1.17	56.18	-5.51	67.60
Col1	92	0.83	152.97	-0.83	56.18	3.89	67.60
Col1	93	0.83	152.97	-0.83	56.18	3.89	67.60
Col1	94	2.10	152.97	1.17	56.18	-5.51	67.60
Col1	95	1.64	152.97	-0.83	56.18	3.89	67.60
Col1	96	2.10	152.97	-0.83	56.18	3.89	67.60
Col1	97	1.64	152.97	1.17	56.18	-5.51	67.60
Col1	98	-0.86	260.28	-0.83	56.18	3.89	67.60
Col1	99	-1.32	260.28	-0.83	56.18	3.89	67.60
Col1	100	-0.86	260.28	1.17	56.18	-5.51	67.60
Col1	101	-1.32	260.28	1.17	56.18	-5.51	67.60
Col1	102	0.51	152.97	-0.83	56.18	3.89	67.60
Col1	103	0.51	152.97	1.17	56.18	-5.51	67.60
Col1	104	-1.31	260.28	1.17	56.18	-5.51	67.60
Col1	105	-1.31	260.28	1.17	56.18	-5.51	67.60
Col1	106	-1.31	260.28	-0.83	56.18	3.89	67.60
Col1	107	-1.31	260.28	-0.83	56.18	3.89	67.60
Col1	108	0.26	152.97	1.17	56.18	-5.51	67.60
Col1	109	-0.50	260.28	-0.83	56.18	3.89	67.60
Col1	110	0.26	152.97	-0.83	56.18	3.89	67.60
Col1	111	-0.50	260.28	1.17	56.18	-5.51	67.60
Col1	112	-0.25	260.28	-0.83	56.18	3.89	67.60
Col1	113	-0.71	260.28	-0.83	56.18	3.89	67.60
Col1	114	-0.25	260.28	1.17	56.18	-5.51	67.60
Col1	115	-0.71	260.28	1.17	56.18	-5.51	67.60
Col1	116	1.13	152.97	-0.83	56.18	3.89	67.60
Col1	117	1.13	152.97	1.17	56.18	-5.51	67.60
Col1	118	-0.70	260.28	1.17	56.18	-5.51	67.60
Col1	119	-0.70	260.28	1.17	56.18	-5.51	67.60
Col1	120	-0.70	260.28	-0.83	56.18	3.89	67.60
Col1	121	-0.70	260.28	-0.83	56.18	3.89	67.60
Col1	122	0.87	152.97	1.17	56.18	-5.51	67.60
Col1	123	0.42	152.97	-0.83	56.18	3.89	67.60
Col1	124	0.87	152.97	-0.83	56.18	3.89	67.60
Col1	125	0.42	152.97	1.17	56.18	-5.51	67.60
Col1	126	0.86	152.97	-0.83	56.18	3.89	67.60
Col1	127	0.40	152.97	-0.83	56.18	3.89	67.60
Col1	128	0.86	152.97	1.17	56.18	-5.51	67.60
Col1	129	0.40	152.97	1.17	56.18	-5.51	67.60
Col1	130	1.94	152.97	-0.83	56.18	3.89	67.60
Col1	131	1.94	152.97	1.17	56.18	-5.51	67.60
Col1	132	0.41	152.97	1.17	56.18	-5.51	67.60
Col1	133	0.41	152.97	1.17	56.18	-5.51	67.60
Col1	134	0.41	152.97	-0.83	56.18	3.89	67.60
Col1	135	0.41	152.97	-0.83	56.18	3.89	67.60
Col1	136	1.68	152.97	1.17	56.18	-5.51	67.60
Col1	137	1.22	152.97	-0.83	56.18	3.89	67.60

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col1	138	1.68	152.97	-0.83	56.18	3.89	67.60
Col1	139	1.22	152.97	1.17	56.18	-5.51	67.60
Col1	140	0.73	152.97	0.00	56.18	0.00	63.73
Col1	141	0.77	152.97	0.00	56.18	0.00	63.73
Col1	142	1.44	152.97	0.00	56.18	0.00	63.73
Col1	143	1.48	152.97	0.00	56.18	0.00	63.73
Col1	144	5.23	152.97	0.00	56.18	0.00	63.73
Col1	145	3.04	152.97	0.00	56.18	0.00	63.73
Col1	146	2.36	152.97	0.00	56.18	0.00	63.73
Col1	147	2.47	152.97	0.00	56.18	0.00	63.73
Col1	148	2.34	152.97	0.00	56.18	0.00	63.73
Col1	149	2.71	152.97	0.00	56.18	0.00	63.73
Col1	150	2.58	152.97	0.00	56.18	0.00	63.73
Col1	151	2.35	152.97	0.00	56.18	0.00	63.73
Col1	152	2.35	152.97	0.00	56.18	0.00	63.73
Col1	153	1.94	152.97	0.00	56.18	0.00	63.73
Col1	154	2.05	152.97	0.00	56.18	0.00	63.73
Col1	155	1.92	152.97	0.00	56.18	0.00	63.73
Col1	156	2.29	152.97	0.00	56.18	0.00	63.73
Col1	157	2.16	152.97	0.00	56.18	0.00	63.73
Col1	158	1.93	152.97	0.00	56.18	0.00	63.73
Col1	159	1.93	152.97	0.00	56.18	0.00	63.73
Col1	160	4.89	152.97	0.00	56.18	0.00	63.73
Col1	161	4.76	152.97	0.00	56.18	0.00	63.73
Col1	162	5.13	152.97	0.00	56.18	0.00	63.73
Col1	163	5.00	152.97	0.00	56.18	0.00	63.73
Col1	164	4.76	152.97	0.00	56.18	0.00	63.73
Col1	165	4.76	152.97	0.00	56.18	0.00	63.73
Col1	166	4.47	152.97	0.00	56.18	0.00	63.73
Col1	167	4.34	152.97	0.00	56.18	0.00	63.73
Col1	168	4.71	152.97	0.00	56.18	0.00	63.73
Col1	169	4.57	152.97	0.00	56.18	0.00	63.73
Col1	170	4.34	152.97	0.00	56.18	0.00	63.73
Col1	171	4.34	152.97	0.00	56.18	0.00	63.73
Col1	172	-0.56	260.28	0.00	56.18	0.00	63.73
Col1	173	-1.02	260.28	0.00	56.18	0.00	63.73
Col1	174	0.68	152.97	0.00	56.18	0.00	63.73
Col1	175	0.22	152.97	0.00	56.18	0.00	63.73
Col1	176	-1.01	260.28	0.00	56.18	0.00	63.73
Col1	177	-1.01	260.28	0.00	56.18	0.00	63.73
Col1	178	0.48	152.97	0.00	56.18	0.00	63.73
Col1	179	-0.40	260.28	0.00	56.18	0.00	63.73
Col1	180	1.30	152.97	0.00	56.18	0.00	63.73
Col1	181	0.84	152.97	0.00	56.18	0.00	63.73
Col1	182	-0.40	260.28	0.00	56.18	0.00	63.73
Col1	183	-0.40	260.28	0.00	56.18	0.00	63.73
Col1	184	1.28	152.97	0.00	56.18	0.00	63.73
Col1	185	0.82	152.97	0.00	56.18	0.00	63.73
Col1	186	2.10	152.97	0.00	56.18	0.00	63.73
Col1	187	1.64	152.97	0.00	56.18	0.00	63.73
Col1	188	0.83	152.97	0.00	56.18	0.00	63.73
Col1	189	0.83	152.97	0.00	56.18	0.00	63.73
Col1	190	-0.86	260.28	0.00	56.18	0.00	63.73
Col1	191	-1.32	260.28	0.00	56.18	0.00	63.73

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col1	192	0.26	152.97	0.00	56.18	0.00	63.73
Col1	193	-0.50	260.28	0.00	56.18	0.00	63.73
Col1	194	-1.31	260.28	0.00	56.18	0.00	63.73
Col1	195	-1.31	260.28	0.00	56.18	0.00	63.73
Col1	196	-0.25	260.28	0.00	56.18	0.00	63.73
Col1	197	-0.71	260.28	0.00	56.18	0.00	63.73
Col1	198	0.87	152.97	0.00	56.18	0.00	63.73
Col1	199	0.42	152.97	0.00	56.18	0.00	63.73
Col1	200	-0.70	260.28	0.00	56.18	0.00	63.73
Col1	201	-0.70	260.28	0.00	56.18	0.00	63.73
Col1	202	0.86	152.97	0.00	56.18	0.00	63.73
Col1	203	0.40	152.97	0.00	56.18	0.00	63.73
Col1	204	1.68	152.97	0.00	56.18	0.00	63.73
Col1	205	1.22	152.97	0.00	56.18	0.00	63.73
Col1	206	0.41	152.97	0.00	56.18	0.00	63.73
Col1	207	0.41	152.97	0.00	56.18	0.00	63.73
Col1	208	1.35	152.97	0.00	56.18	0.00	63.73
Col1	209	1.38	152.97	0.00	56.18	0.00	63.73
Col2	1	6.25	152.97	0.00	56.18	0.00	63.73
Col2	2	1.87	152.97	0.00	56.18	0.00	63.73
Col2	3	8.72	152.97	0.00	56.18	0.00	63.73
Col2	4	5.53	152.97	0.59	56.18	-2.61	67.89
Col2	5	5.53	152.97	-0.41	56.18	1.82	67.89
Col2	6	5.47	152.97	0.59	56.18	-2.61	67.89
Col2	7	5.47	152.97	-0.41	56.18	1.82	67.89
Col2	8	6.21	152.97	0.59	56.18	-2.61	67.89
Col2	9	6.21	152.97	-0.41	56.18	1.82	67.89
Col2	10	6.25	152.97	0.59	56.18	-2.61	67.89
Col2	11	6.25	152.97	-0.41	56.18	1.82	67.89
Col2	12	5.07	152.97	0.59	56.18	-2.61	67.89
Col2	13	5.07	152.97	0.59	56.18	-2.61	67.89
Col2	14	5.07	152.97	-0.41	56.18	1.82	67.89
Col2	15	5.07	152.97	-0.41	56.18	1.82	67.89
Col2	16	5.39	152.97	0.00	56.18	0.00	63.73
Col2	17	7.86	152.97	0.00	56.18	0.00	63.73
Col2	18	4.66	152.97	0.59	56.18	-2.61	67.89
Col2	19	4.66	152.97	-0.41	56.18	1.82	67.89
Col2	20	4.61	152.97	0.59	56.18	-2.61	67.89
Col2	21	4.61	152.97	-0.41	56.18	1.82	67.89
Col2	22	5.34	152.97	0.59	56.18	-2.61	67.89
Col2	23	5.34	152.97	-0.41	56.18	1.82	67.89
Col2	24	5.39	152.97	0.59	56.18	-2.61	67.89
Col2	25	5.39	152.97	-0.41	56.18	1.82	67.89
Col2	26	4.21	152.97	0.59	56.18	-2.61	67.89
Col2	27	4.21	152.97	0.59	56.18	-2.61	67.89
Col2	28	4.21	152.97	-0.41	56.18	1.82	67.89
Col2	29	4.21	152.97	-0.41	56.18	1.82	67.89
Col2	30	12.25	152.97	0.00	56.18	0.00	63.73
Col2	31	11.52	152.97	0.59	56.18	-2.61	67.89
Col2	32	11.52	152.97	-0.41	56.18	1.82	67.89
Col2	33	11.47	152.97	0.59	56.18	-2.61	67.89
Col2	34	11.47	152.97	-0.41	56.18	1.82	67.89
Col2	35	12.20	152.97	0.59	56.18	-2.61	67.89
Col2	36	12.20	152.97	-0.41	56.18	1.82	67.89

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col2	37	12.25	152.97	0.59	56.18	-2.61	67.89
Col2	38	12.25	152.97	-0.41	56.18	1.82	67.89
Col2	39	11.07	152.97	0.59	56.18	-2.61	67.89
Col2	40	11.07	152.97	0.59	56.18	-2.61	67.89
Col2	41	11.07	152.97	-0.41	56.18	1.82	67.89
Col2	42	11.07	152.97	-0.41	56.18	1.82	67.89
Col2	43	11.39	152.97	0.00	56.18	0.00	63.73
Col2	44	10.66	152.97	0.59	56.18	-2.61	67.89
Col2	45	10.66	152.97	-0.41	56.18	1.82	67.89
Col2	46	10.61	152.97	0.59	56.18	-2.61	67.89
Col2	47	10.61	152.97	-0.41	56.18	1.82	67.89
Col2	48	11.34	152.97	0.59	56.18	-2.61	67.89
Col2	49	11.34	152.97	-0.41	56.18	1.82	67.89
Col2	50	11.39	152.97	0.59	56.18	-2.61	67.89
Col2	51	11.39	152.97	-0.41	56.18	1.82	67.89
Col2	52	10.21	152.97	0.59	56.18	-2.61	67.89
Col2	53	10.21	152.97	0.59	56.18	-2.61	67.89
Col2	54	10.21	152.97	-0.41	56.18	1.82	67.89
Col2	55	10.21	152.97	-0.41	56.18	1.82	67.89
Col2	56	-1.27	260.28	-1.43	56.18	6.36	67.89
Col2	57	-1.45	260.28	-1.43	56.18	6.36	67.89
Col2	58	-1.27	260.28	2.06	56.18	-9.12	67.89
Col2	59	-1.45	260.28	2.06	56.18	-9.12	67.89
Col2	60	1.67	152.97	-1.43	56.18	6.36	67.89
Col2	61	1.67	152.97	2.06	56.18	-9.12	67.89
Col2	62	-2.85	260.28	2.06	56.18	-9.12	67.89
Col2	63	-2.85	260.28	2.06	56.18	-9.12	67.89
Col2	64	-2.85	260.28	-1.43	56.18	6.36	67.89
Col2	65	-2.85	260.28	-1.43	56.18	6.36	67.89
Col2	66	1.51	152.97	2.06	56.18	-9.12	67.89
Col2	67	1.67	152.97	-1.43	56.18	6.36	67.89
Col2	68	1.51	152.97	-1.43	56.18	6.36	67.89
Col2	69	1.67	152.97	2.06	56.18	-9.12	67.89
Col2	70	0.66	152.97	-1.43	56.18	6.36	67.89
Col2	71	0.48	152.97	-1.43	56.18	6.36	67.89
Col2	72	0.66	152.97	2.06	56.18	-9.12	67.89
Col2	73	0.48	152.97	2.06	56.18	-9.12	67.89
Col2	74	3.20	152.97	-1.43	56.18	6.36	67.89
Col2	75	3.20	152.97	2.06	56.18	-9.12	67.89
Col2	76	-1.33	260.28	2.06	56.18	-9.12	67.89
Col2	77	-1.33	260.28	2.06	56.18	-9.12	67.89
Col2	78	-1.33	260.28	-1.43	56.18	6.36	67.89
Col2	79	-1.33	260.28	-1.43	56.18	6.36	67.89
Col2	80	3.04	152.97	2.06	56.18	-9.12	67.89
Col2	81	3.20	152.97	-1.43	56.18	6.36	67.89
Col2	82	3.04	152.97	-1.43	56.18	6.36	67.89
Col2	83	3.20	152.97	2.06	56.18	-9.12	67.89
Col2	84	2.66	152.97	-1.43	56.18	6.36	67.89
Col2	85	2.48	152.97	-1.43	56.18	6.36	67.89
Col2	86	2.66	152.97	2.06	56.18	-9.12	67.89
Col2	87	2.48	152.97	2.06	56.18	-9.12	67.89
Col2	88	5.20	152.97	-1.43	56.18	6.36	67.89
Col2	89	5.20	152.97	2.06	56.18	-9.12	67.89
Col2	90	1.07	152.97	2.06	56.18	-9.12	67.89

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col2	91	1.07	152.97	2.06	56.18	-9.12	67.89
Col2	92	1.07	152.97	-1.43	56.18	6.36	67.89
Col2	93	1.07	152.97	-1.43	56.18	6.36	67.89
Col2	94	5.04	152.97	2.06	56.18	-9.12	67.89
Col2	95	5.20	152.97	-1.43	56.18	6.36	67.89
Col2	96	5.04	152.97	-1.43	56.18	6.36	67.89
Col2	97	5.20	152.97	2.06	56.18	-9.12	67.89
Col2	98	-2.02	260.28	-1.43	56.18	6.36	67.89
Col2	99	-2.20	260.28	-1.43	56.18	6.36	67.89
Col2	100	-2.02	260.28	2.06	56.18	-9.12	67.89
Col2	101	-2.20	260.28	2.06	56.18	-9.12	67.89
Col2	102	0.81	152.97	-1.43	56.18	6.36	67.89
Col2	103	0.81	152.97	2.06	56.18	-9.12	67.89
Col2	104	-3.60	260.28	2.06	56.18	-9.12	67.89
Col2	105	-3.60	260.28	2.06	56.18	-9.12	67.89
Col2	106	-3.60	260.28	-1.43	56.18	6.36	67.89
Col2	107	-3.60	260.28	-1.43	56.18	6.36	67.89
Col2	108	0.65	152.97	2.06	56.18	-9.12	67.89
Col2	109	0.81	152.97	-1.43	56.18	6.36	67.89
Col2	110	0.65	152.97	-1.43	56.18	6.36	67.89
Col2	111	0.81	152.97	2.06	56.18	-9.12	67.89
Col2	112	-0.49	260.28	-1.43	56.18	6.36	67.89
Col2	113	-0.67	260.28	-1.43	56.18	6.36	67.89
Col2	114	-0.49	260.28	2.06	56.18	-9.12	67.89
Col2	115	-0.67	260.28	2.06	56.18	-9.12	67.89
Col2	116	2.34	152.97	-1.43	56.18	6.36	67.89
Col2	117	2.34	152.97	2.06	56.18	-9.12	67.89
Col2	118	-2.08	260.28	2.06	56.18	-9.12	67.89
Col2	119	-2.08	260.28	2.06	56.18	-9.12	67.89
Col2	120	-2.08	260.28	-1.43	56.18	6.36	67.89
Col2	121	-2.08	260.28	-1.43	56.18	6.36	67.89
Col2	122	2.18	152.97	2.06	56.18	-9.12	67.89
Col2	123	2.34	152.97	-1.43	56.18	6.36	67.89
Col2	124	2.18	152.97	-1.43	56.18	6.36	67.89
Col2	125	2.34	152.97	2.06	56.18	-9.12	67.89
Col2	126	1.80	152.97	-1.43	56.18	6.36	67.89
Col2	127	1.61	152.97	-1.43	56.18	6.36	67.89
Col2	128	1.80	152.97	2.06	56.18	-9.12	67.89
Col2	129	1.61	152.97	2.06	56.18	-9.12	67.89
Col2	130	4.33	152.97	-1.43	56.18	6.36	67.89
Col2	131	4.33	152.97	2.06	56.18	-9.12	67.89
Col2	132	0.21	152.97	2.06	56.18	-9.12	67.89
Col2	133	0.21	152.97	2.06	56.18	-9.12	67.89
Col2	134	0.21	152.97	-1.43	56.18	6.36	67.89
Col2	135	0.21	152.97	-1.43	56.18	6.36	67.89
Col2	136	4.18	152.97	2.06	56.18	-9.12	67.89
Col2	137	4.34	152.97	-1.43	56.18	6.36	67.89
Col2	138	4.18	152.97	-1.43	56.18	6.36	67.89
Col2	139	4.34	152.97	2.06	56.18	-9.12	67.89
Col2	140	1.29	152.97	0.00	56.18	0.00	63.73
Col2	141	3.30	152.97	0.00	56.18	0.00	63.73
Col2	142	3.05	152.97	0.00	56.18	0.00	63.73
Col2	143	5.06	152.97	0.00	56.18	0.00	63.73
Col2	144	12.02	152.97	0.00	56.18	0.00	63.73

		Job No	011467_RF		**Date**	3/26/2024	
		Customer	Norsteel Buildings		**Designed By**	MQZ	
		Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0				

Col2	145	7.21	152.97	0.00	56.18	0.00	63.73
Col2	146	5.20	152.97	0.00	56.18	0.00	63.73
Col2	147	5.53	152.97	0.00	56.18	0.00	63.73
Col2	148	5.47	152.97	0.00	56.18	0.00	63.73
Col2	149	6.21	152.97	0.00	56.18	0.00	63.73
Col2	150	6.25	152.97	0.00	56.18	0.00	63.73
Col2	151	5.07	152.97	0.00	56.18	0.00	63.73
Col2	152	5.07	152.97	0.00	56.18	0.00	63.73
Col2	153	4.33	152.97	0.00	56.18	0.00	63.73
Col2	154	4.66	152.97	0.00	56.18	0.00	63.73
Col2	155	4.61	152.97	0.00	56.18	0.00	63.73
Col2	156	5.34	152.97	0.00	56.18	0.00	63.73
Col2	157	5.39	152.97	0.00	56.18	0.00	63.73
Col2	158	4.21	152.97	0.00	56.18	0.00	63.73
Col2	159	4.21	152.97	0.00	56.18	0.00	63.73
Col2	160	11.52	152.97	0.00	56.18	0.00	63.73
Col2	161	11.47	152.97	0.00	56.18	0.00	63.73
Col2	162	12.20	152.97	0.00	56.18	0.00	63.73
Col2	163	12.25	152.97	0.00	56.18	0.00	63.73
Col2	164	11.07	152.97	0.00	56.18	0.00	63.73
Col2	165	11.07	152.97	0.00	56.18	0.00	63.73
Col2	166	10.66	152.97	0.00	56.18	0.00	63.73
Col2	167	10.61	152.97	0.00	56.18	0.00	63.73
Col2	168	11.34	152.97	0.00	56.18	0.00	63.73
Col2	169	11.39	152.97	0.00	56.18	0.00	63.73
Col2	170	10.21	152.97	0.00	56.18	0.00	63.73
Col2	171	10.21	152.97	0.00	56.18	0.00	63.73
Col2	172	-1.27	260.28	0.00	56.18	0.00	63.73
Col2	173	-1.45	260.28	0.00	56.18	0.00	63.73
Col2	174	1.51	152.97	0.00	56.18	0.00	63.73
Col2	175	1.67	152.97	0.00	56.18	0.00	63.73
Col2	176	-2.85	260.28	0.00	56.18	0.00	63.73
Col2	177	-2.85	260.28	0.00	56.18	0.00	63.73
Col2	178	0.66	152.97	0.00	56.18	0.00	63.73
Col2	179	0.48	152.97	0.00	56.18	0.00	63.73
Col2	180	3.04	152.97	0.00	56.18	0.00	63.73
Col2	181	3.20	152.97	0.00	56.18	0.00	63.73
Col2	182	-1.33	260.28	0.00	56.18	0.00	63.73
Col2	183	-1.33	260.28	0.00	56.18	0.00	63.73
Col2	184	2.66	152.97	0.00	56.18	0.00	63.73
Col2	185	2.48	152.97	0.00	56.18	0.00	63.73
Col2	186	5.04	152.97	0.00	56.18	0.00	63.73
Col2	187	5.20	152.97	0.00	56.18	0.00	63.73
Col2	188	1.07	152.97	0.00	56.18	0.00	63.73
Col2	189	1.07	152.97	0.00	56.18	0.00	63.73
Col2	190	-2.02	260.28	0.00	56.18	0.00	63.73
Col2	191	-2.20	260.28	0.00	56.18	0.00	63.73
Col2	192	0.65	152.97	0.00	56.18	0.00	63.73
Col2	193	0.81	152.97	0.00	56.18	0.00	63.73
Col2	194	-3.60	260.28	0.00	56.18	0.00	63.73
Col2	195	-3.60	260.28	0.00	56.18	0.00	63.73
Col2	196	-0.49	260.28	0.00	56.18	0.00	63.73
Col2	197	-0.67	260.28	0.00	56.18	0.00	63.73
Col2	198	2.18	152.97	0.00	56.18	0.00	63.73

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col2	199	2.34	152.97	0.00	56.18	0.00	63.73
Col2	200	-2.08	260.28	0.00	56.18	0.00	63.73
Col2	201	-2.08	260.28	0.00	56.18	0.00	63.73
Col2	202	1.80	152.97	0.00	56.18	0.00	63.73
Col2	203	1.61	152.97	0.00	56.18	0.00	63.73
Col2	204	4.18	152.97	0.00	56.18	0.00	63.73
Col2	205	4.34	152.97	0.00	56.18	0.00	63.73
Col2	206	0.21	152.97	0.00	56.18	0.00	63.73
Col2	207	0.21	152.97	0.00	56.18	0.00	63.73
Col2	208	2.82	152.97	0.00	56.18	0.00	63.73
Col2	209	4.83	152.97	0.00	56.18	0.00	63.73
Col3	1	6.23	152.97	0.00	56.18	0.00	63.73
Col3	2	1.84	152.97	0.00	56.18	0.00	63.73
Col3	3	8.71	152.97	0.00	56.18	0.00	63.73
Col3	4	6.52	152.97	0.55	56.18	-2.29	68.28
Col3	5	6.52	152.97	-0.38	56.18	1.60	68.28
Col3	6	5.05	152.97	0.55	56.18	-2.29	68.28
Col3	7	5.05	152.97	-0.38	56.18	1.60	68.28
Col3	8	7.09	152.97	0.55	56.18	-2.29	68.28
Col3	9	7.09	152.97	-0.38	56.18	1.60	68.28
Col3	10	5.73	152.97	0.55	56.18	-2.29	68.28
Col3	11	5.73	152.97	-0.38	56.18	1.60	68.28
Col3	12	5.33	152.97	0.55	56.18	-2.29	68.28
Col3	13	5.33	152.97	0.55	56.18	-2.29	68.28
Col3	14	5.33	152.97	-0.38	56.18	1.60	68.28
Col3	15	5.33	152.97	-0.38	56.18	1.60	68.28
Col3	16	5.38	152.97	0.00	56.18	0.00	63.73
Col3	17	7.85	152.97	0.00	56.18	0.00	63.73
Col3	18	5.67	152.97	0.55	56.18	-2.29	68.28
Col3	19	5.67	152.97	-0.38	56.18	1.60	68.28
Col3	20	4.20	152.97	0.55	56.18	-2.29	68.28
Col3	21	4.20	152.97	-0.38	56.18	1.60	68.28
Col3	22	6.24	152.97	0.55	56.18	-2.29	68.28
Col3	23	6.24	152.97	-0.38	56.18	1.60	68.28
Col3	24	4.88	152.97	0.55	56.18	-2.29	68.28
Col3	25	4.88	152.97	-0.38	56.18	1.60	68.28
Col3	26	4.47	152.97	0.55	56.18	-2.29	68.28
Col3	27	4.47	152.97	0.55	56.18	-2.29	68.28
Col3	28	4.47	152.97	-0.38	56.18	1.60	68.28
Col3	29	4.47	152.97	-0.38	56.18	1.60	68.28
Col3	30	12.24	152.97	0.00	56.18	0.00	63.73
Col3	31	12.52	152.97	0.55	56.18	-2.29	68.28
Col3	32	12.52	152.97	-0.38	56.18	1.60	68.28
Col3	33	11.06	152.97	0.55	56.18	-2.29	68.28
Col3	34	11.06	152.97	-0.38	56.18	1.60	68.28
Col3	35	13.09	152.97	0.55	56.18	-2.29	68.28
Col3	36	13.09	152.97	-0.38	56.18	1.60	68.28
Col3	37	11.74	152.97	0.55	56.18	-2.29	68.28
Col3	38	11.74	152.97	-0.38	56.18	1.60	68.28
Col3	39	11.33	152.97	0.55	56.18	-2.29	68.28
Col3	40	11.33	152.97	0.55	56.18	-2.29	68.28
Col3	41	11.33	152.97	-0.38	56.18	1.60	68.28
Col3	42	11.33	152.97	-0.38	56.18	1.60	68.28
Col3	43	11.38	152.97	0.00	56.18	0.00	63.73

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col3	44	11.67	152.97	0.55	56.18	-2.29	68.28
Col3	45	11.67	152.97	-0.38	56.18	1.60	68.28
Col3	46	10.20	152.97	0.55	56.18	-2.29	68.28
Col3	47	10.20	152.97	-0.38	56.18	1.60	68.28
Col3	48	12.24	152.97	0.55	56.18	-2.29	68.28
Col3	49	12.24	152.97	-0.38	56.18	1.60	68.28
Col3	50	10.88	152.97	0.55	56.18	-2.29	68.28
Col3	51	10.88	152.97	-0.38	56.18	1.60	68.28
Col3	52	10.47	152.97	0.55	56.18	-2.29	68.28
Col3	53	10.47	152.97	0.55	56.18	-2.29	68.28
Col3	54	10.47	152.97	-0.38	56.18	1.60	68.28
Col3	55	10.47	152.97	-0.38	56.18	1.60	68.28
Col3	56	2.66	152.97	-1.34	56.18	5.58	68.28
Col3	57	-2.86	260.28	-1.34	56.18	5.58	68.28
Col3	58	2.66	152.97	1.93	56.18	-8.01	68.28
Col3	59	-2.86	260.28	1.93	56.18	-8.01	68.28
Col3	60	1.65	152.97	-1.34	56.18	5.58	68.28
Col3	61	1.65	152.97	1.93	56.18	-8.01	68.28
Col3	62	-1.90	260.28	1.93	56.18	-8.01	68.28
Col3	63	-1.90	260.28	1.93	56.18	-8.01	68.28
Col3	64	-1.90	260.28	-1.34	56.18	5.58	68.28
Col3	65	-1.90	260.28	-1.34	56.18	5.58	68.28
Col3	66	4.65	152.97	1.93	56.18	-8.01	68.28
Col3	67	-0.47	260.28	-1.34	56.18	5.58	68.28
Col3	68	4.65	152.97	-1.34	56.18	5.58	68.28
Col3	69	-0.47	260.28	1.93	56.18	-8.01	68.28
Col3	70	4.18	152.97	-1.34	56.18	5.58	68.28
Col3	71	-1.33	260.28	-1.34	56.18	5.58	68.28
Col3	72	4.18	152.97	1.93	56.18	-8.01	68.28
Col3	73	-1.33	260.28	1.93	56.18	-8.01	68.28
Col3	74	3.18	152.97	-1.34	56.18	5.58	68.28
Col3	75	3.18	152.97	1.93	56.18	-8.01	68.28
Col3	76	-0.37	260.28	1.93	56.18	-8.01	68.28
Col3	77	-0.37	260.28	1.93	56.18	-8.01	68.28
Col3	78	-0.37	260.28	-1.34	56.18	5.58	68.28
Col3	79	-0.37	260.28	-1.34	56.18	5.58	68.28
Col3	80	6.18	152.97	1.93	56.18	-8.01	68.28
Col3	81	1.43	152.97	-1.34	56.18	5.58	68.28
Col3	82	6.18	152.97	-1.34	56.18	5.58	68.28
Col3	83	1.43	152.97	1.93	56.18	-8.01	68.28
Col3	84	6.19	152.97	-1.34	56.18	5.58	68.28
Col3	85	1.05	152.97	-1.34	56.18	5.58	68.28
Col3	86	6.19	152.97	1.93	56.18	-8.01	68.28
Col3	87	1.05	152.97	1.93	56.18	-8.01	68.28
Col3	88	5.18	152.97	-1.34	56.18	5.58	68.28
Col3	89	5.18	152.97	1.93	56.18	-8.01	68.28
Col3	90	2.01	152.97	1.93	56.18	-8.01	68.28
Col3	91	2.01	152.97	1.93	56.18	-8.01	68.28
Col3	92	2.01	152.97	-1.34	56.18	5.58	68.28
Col3	93	2.01	152.97	-1.34	56.18	5.58	68.28
Col3	94	8.18	152.97	1.93	56.18	-8.01	68.28
Col3	95	3.43	152.97	-1.34	56.18	5.58	68.28
Col3	96	8.18	152.97	-1.34	56.18	5.58	68.28
Col3	97	3.43	152.97	1.93	56.18	-8.01	68.28

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col3	98	1.80	152.97	-1.34	56.18	5.58	68.28
Col3	99	-3.61	260.28	-1.34	56.18	5.58	68.28
Col3	100	1.80	152.97	1.93	56.18	-8.01	68.28
Col3	101	-3.61	260.28	1.93	56.18	-8.01	68.28
Col3	102	0.79	152.97	-1.34	56.18	5.58	68.28
Col3	103	0.79	152.97	1.93	56.18	-8.01	68.28
Col3	104	-2.65	260.28	1.93	56.18	-8.01	68.28
Col3	105	-2.65	260.28	1.93	56.18	-8.01	68.28
Col3	106	-2.65	260.28	-1.34	56.18	5.58	68.28
Col3	107	-2.65	260.28	-1.34	56.18	5.58	68.28
Col3	108	3.79	152.97	1.93	56.18	-8.01	68.28
Col3	109	-1.23	260.28	-1.34	56.18	5.58	68.28
Col3	110	3.79	152.97	-1.34	56.18	5.58	68.28
Col3	111	-1.23	260.28	1.93	56.18	-8.01	68.28
Col3	112	3.33	152.97	-1.34	56.18	5.58	68.28
Col3	113	-2.08	260.28	-1.34	56.18	5.58	68.28
Col3	114	3.33	152.97	1.93	56.18	-8.01	68.28
Col3	115	-2.08	260.28	1.93	56.18	-8.01	68.28
Col3	116	2.32	152.97	-1.34	56.18	5.58	68.28
Col3	117	2.32	152.97	1.93	56.18	-8.01	68.28
Col3	118	-1.12	260.28	1.93	56.18	-8.01	68.28
Col3	119	-1.12	260.28	1.93	56.18	-8.01	68.28
Col3	120	-1.12	260.28	-1.34	56.18	5.58	68.28
Col3	121	-1.12	260.28	-1.34	56.18	5.58	68.28
Col3	122	5.32	152.97	1.93	56.18	-8.01	68.28
Col3	123	0.57	152.97	-1.34	56.18	5.58	68.28
Col3	124	5.32	152.97	-1.34	56.18	5.58	68.28
Col3	125	0.57	152.97	1.93	56.18	-8.01	68.28
Col3	126	5.33	152.97	-1.34	56.18	5.58	68.28
Col3	127	0.19	152.97	-1.34	56.18	5.58	68.28
Col3	128	5.33	152.97	1.93	56.18	-8.01	68.28
Col3	129	0.19	152.97	1.93	56.18	-8.01	68.28
Col3	130	4.32	152.97	-1.34	56.18	5.58	68.28
Col3	131	4.32	152.97	1.93	56.18	-8.01	68.28
Col3	132	1.15	152.97	1.93	56.18	-8.01	68.28
Col3	133	1.15	152.97	1.93	56.18	-8.01	68.28
Col3	134	1.15	152.97	-1.34	56.18	5.58	68.28
Col3	135	1.15	152.97	-1.34	56.18	5.58	68.28
Col3	136	7.32	152.97	1.93	56.18	-8.01	68.28
Col3	137	2.57	152.97	-1.34	56.18	5.58	68.28
Col3	138	7.32	152.97	-1.34	56.18	5.58	68.28
Col3	139	2.57	152.97	1.93	56.18	-8.01	68.28
Col3	140	3.45	152.97	0.00	56.18	0.00	63.73
Col3	141	1.36	152.97	0.00	56.18	0.00	63.73
Col3	142	5.21	152.97	0.00	56.18	0.00	63.73
Col3	143	3.13	152.97	0.00	56.18	0.00	63.73
Col3	144	7.16	152.97	0.00	56.18	0.00	63.73
Col3	145	12.03	152.97	0.00	56.18	0.00	63.73
Col3	146	5.18	152.97	0.00	56.18	0.00	63.73
Col3	147	6.52	152.97	0.00	56.18	0.00	63.73
Col3	148	5.05	152.97	0.00	56.18	0.00	63.73
Col3	149	7.09	152.97	0.00	56.18	0.00	63.73
Col3	150	5.73	152.97	0.00	56.18	0.00	63.73
Col3	151	5.33	152.97	0.00	56.18	0.00	63.73

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col3	152	5.33	152.97	0.00	56.18	0.00	63.73
Col3	153	4.32	152.97	0.00	56.18	0.00	63.73
Col3	154	5.67	152.97	0.00	56.18	0.00	63.73
Col3	155	4.20	152.97	0.00	56.18	0.00	63.73
Col3	156	6.24	152.97	0.00	56.18	0.00	63.73
Col3	157	4.88	152.97	0.00	56.18	0.00	63.73
Col3	158	4.47	152.97	0.00	56.18	0.00	63.73
Col3	159	4.47	152.97	0.00	56.18	0.00	63.73
Col3	160	12.52	152.97	0.00	56.18	0.00	63.73
Col3	161	11.06	152.97	0.00	56.18	0.00	63.73
Col3	162	13.09	152.97	0.00	56.18	0.00	63.73
Col3	163	11.74	152.97	0.00	56.18	0.00	63.73
Col3	164	11.33	152.97	0.00	56.18	0.00	63.73
Col3	165	11.33	152.97	0.00	56.18	0.00	63.73
Col3	166	11.67	152.97	0.00	56.18	0.00	63.73
Col3	167	10.20	152.97	0.00	56.18	0.00	63.73
Col3	168	12.24	152.97	0.00	56.18	0.00	63.73
Col3	169	10.88	152.97	0.00	56.18	0.00	63.73
Col3	170	10.47	152.97	0.00	56.18	0.00	63.73
Col3	171	10.47	152.97	0.00	56.18	0.00	63.73
Col3	172	2.66	152.97	0.00	56.18	0.00	63.73
Col3	173	-2.86	260.28	0.00	56.18	0.00	63.73
Col3	174	4.65	152.97	0.00	56.18	0.00	63.73
Col3	175	-0.47	260.28	0.00	56.18	0.00	63.73
Col3	176	-1.90	260.28	0.00	56.18	0.00	63.73
Col3	177	-1.90	260.28	0.00	56.18	0.00	63.73
Col3	178	4.18	152.97	0.00	56.18	0.00	63.73
Col3	179	-1.33	260.28	0.00	56.18	0.00	63.73
Col3	180	6.18	152.97	0.00	56.18	0.00	63.73
Col3	181	1.43	152.97	0.00	56.18	0.00	63.73
Col3	182	-0.37	260.28	0.00	56.18	0.00	63.73
Col3	183	-0.37	260.28	0.00	56.18	0.00	63.73
Col3	184	6.19	152.97	0.00	56.18	0.00	63.73
Col3	185	1.05	152.97	0.00	56.18	0.00	63.73
Col3	186	8.18	152.97	0.00	56.18	0.00	63.73
Col3	187	3.43	152.97	0.00	56.18	0.00	63.73
Col3	188	2.01	152.97	0.00	56.18	0.00	63.73
Col3	189	2.01	152.97	0.00	56.18	0.00	63.73
Col3	190	1.80	152.97	0.00	56.18	0.00	63.73
Col3	191	-3.61	260.28	0.00	56.18	0.00	63.73
Col3	192	3.79	152.97	0.00	56.18	0.00	63.73
Col3	193	-1.23	260.28	0.00	56.18	0.00	63.73
Col3	194	-2.65	260.28	0.00	56.18	0.00	63.73
Col3	195	-2.65	260.28	0.00	56.18	0.00	63.73
Col3	196	3.33	152.97	0.00	56.18	0.00	63.73
Col3	197	-2.08	260.28	0.00	56.18	0.00	63.73
Col3	198	5.32	152.97	0.00	56.18	0.00	63.73
Col3	199	0.57	152.97	0.00	56.18	0.00	63.73
Col3	200	-1.12	260.28	0.00	56.18	0.00	63.73
Col3	201	-1.12	260.28	0.00	56.18	0.00	63.73
Col3	202	5.33	152.97	0.00	56.18	0.00	63.73
Col3	203	0.19	152.97	0.00	56.18	0.00	63.73
Col3	204	7.32	152.97	0.00	56.18	0.00	63.73
Col3	205	2.57	152.97	0.00	56.18	0.00	63.73

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col3	206	1.15	152.97	0.00	56.18	0.00	63.73
Col3	207	1.15	152.97	0.00	56.18	0.00	63.73
Col3	208	4.97	152.97	0.00	56.18	0.00	63.73
Col3	209	2.89	152.97	0.00	56.18	0.00	63.73
Col4	1	2.65	152.97	0.00	56.18	0.00	63.73
Col4	2	0.95	152.97	0.00	56.18	0.00	63.73
Col4	3	3.62	152.97	0.00	56.18	0.00	63.73
Col4	4	2.33	152.97	0.28	56.18	-1.08	69.02
Col4	5	2.33	152.97	-0.20	56.18	0.76	69.02
Col4	6	2.20	152.97	0.28	56.18	-1.08	69.02
Col4	7	2.20	152.97	-0.20	56.18	0.76	69.02
Col4	8	2.63	152.97	0.28	56.18	-1.08	69.02
Col4	9	2.63	152.97	-0.20	56.18	0.76	69.02
Col4	10	2.50	152.97	0.28	56.18	-1.08	69.02
Col4	11	2.50	152.97	-0.20	56.18	0.76	69.02
Col4	12	2.15	152.97	0.28	56.18	-1.08	69.02
Col4	13	2.15	152.97	0.28	56.18	-1.08	69.02
Col4	14	2.15	152.97	-0.20	56.18	0.76	69.02
Col4	15	2.15	152.97	-0.20	56.18	0.76	69.02
Col4	16	2.26	152.97	0.00	56.18	0.00	63.73
Col4	17	3.23	152.97	0.00	56.18	0.00	63.73
Col4	18	1.94	152.97	0.28	56.18	-1.08	69.02
Col4	19	1.94	152.97	-0.20	56.18	0.76	69.02
Col4	20	1.81	152.97	0.28	56.18	-1.08	69.02
Col4	21	1.81	152.97	-0.20	56.18	0.76	69.02
Col4	22	2.24	152.97	0.28	56.18	-1.08	69.02
Col4	23	2.24	152.97	-0.20	56.18	0.76	69.02
Col4	24	2.11	152.97	0.28	56.18	-1.08	69.02
Col4	25	2.11	152.97	-0.20	56.18	0.76	69.02
Col4	26	1.76	152.97	0.28	56.18	-1.08	69.02
Col4	27	1.76	152.97	0.28	56.18	-1.08	69.02
Col4	28	1.76	152.97	-0.20	56.18	0.76	69.02
Col4	29	1.76	152.97	-0.20	56.18	0.76	69.02
Col4	30	5.00	152.97	0.00	56.18	0.00	63.73
Col4	31	4.69	152.97	0.28	56.18	-1.08	69.02
Col4	32	4.69	152.97	-0.20	56.18	0.76	69.02
Col4	33	4.55	152.97	0.28	56.18	-1.08	69.02
Col4	34	4.55	152.97	-0.20	56.18	0.76	69.02
Col4	35	4.99	152.97	0.28	56.18	-1.08	69.02
Col4	36	4.99	152.97	-0.20	56.18	0.76	69.02
Col4	37	4.85	152.97	0.28	56.18	-1.08	69.02
Col4	38	4.85	152.97	-0.20	56.18	0.76	69.02
Col4	39	4.51	152.97	0.28	56.18	-1.08	69.02
Col4	40	4.51	152.97	0.28	56.18	-1.08	69.02
Col4	41	4.51	152.97	-0.20	56.18	0.76	69.02
Col4	42	4.51	152.97	-0.20	56.18	0.76	69.02
Col4	43	4.61	152.97	0.00	56.18	0.00	63.73
Col4	44	4.30	152.97	0.28	56.18	-1.08	69.02
Col4	45	4.30	152.97	-0.20	56.18	0.76	69.02
Col4	46	4.16	152.97	0.28	56.18	-1.08	69.02
Col4	47	4.16	152.97	-0.20	56.18	0.76	69.02
Col4	48	4.60	152.97	0.28	56.18	-1.08	69.02
Col4	49	4.60	152.97	-0.20	56.18	0.76	69.02
Col4	50	4.46	152.97	0.28	56.18	-1.08	69.02

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col4	51	4.46	152.97	-0.20	56.18	0.76	69.02
Col4	52	4.12	152.97	0.28	56.18	-1.08	69.02
Col4	53	4.12	152.97	0.28	56.18	-1.08	69.02
Col4	54	4.12	152.97	-0.20	56.18	0.76	69.02
Col4	55	4.12	152.97	-0.20	56.18	0.76	69.02
Col4	56	-0.61	260.28	-0.69	56.18	2.67	69.02
Col4	57	-1.08	260.28	-0.69	56.18	2.67	69.02
Col4	58	-0.61	260.28	0.97	56.18	-3.78	69.02
Col4	59	-1.08	260.28	0.97	56.18	-3.78	69.02
Col4	60	0.85	152.97	-0.69	56.18	2.67	69.02
Col4	61	0.85	152.97	0.97	56.18	-3.78	69.02
Col4	62	-1.24	260.28	0.97	56.18	-3.78	69.02
Col4	63	-1.24	260.28	0.97	56.18	-3.78	69.02
Col4	64	-1.24	260.28	-0.69	56.18	2.67	69.02
Col4	65	-1.24	260.28	-0.69	56.18	2.67	69.02
Col4	66	0.79	152.97	0.97	56.18	-3.78	69.02
Col4	67	0.32	152.97	-0.69	56.18	2.67	69.02
Col4	68	0.79	152.97	-0.69	56.18	2.67	69.02
Col4	69	0.32	152.97	0.97	56.18	-3.78	69.02
Col4	70	0.34	152.97	-0.69	56.18	2.67	69.02
Col4	71	-0.48	260.28	-0.69	56.18	2.67	69.02
Col4	72	0.34	152.97	0.97	56.18	-3.78	69.02
Col4	73	-0.48	260.28	0.97	56.18	-3.78	69.02
Col4	74	1.45	152.97	-0.69	56.18	2.67	69.02
Col4	75	1.45	152.97	0.97	56.18	-3.78	69.02
Col4	76	-0.64	260.28	0.97	56.18	-3.78	69.02
Col4	77	-0.64	260.28	0.97	56.18	-3.78	69.02
Col4	78	-0.64	260.28	-0.69	56.18	2.67	69.02
Col4	79	-0.64	260.28	-0.69	56.18	2.67	69.02
Col4	80	1.39	152.97	0.97	56.18	-3.78	69.02
Col4	81	0.92	152.97	-0.69	56.18	2.67	69.02
Col4	82	1.39	152.97	-0.69	56.18	2.67	69.02
Col4	83	0.92	152.97	0.97	56.18	-3.78	69.02
Col4	84	1.13	152.97	-0.69	56.18	2.67	69.02
Col4	85	0.66	152.97	-0.69	56.18	2.67	69.02
Col4	86	1.13	152.97	0.97	56.18	-3.78	69.02
Col4	87	0.66	152.97	0.97	56.18	-3.78	69.02
Col4	88	2.23	152.97	-0.69	56.18	2.67	69.02
Col4	89	2.23	152.97	0.97	56.18	-3.78	69.02
Col4	90	0.50	152.97	0.97	56.18	-3.78	69.02
Col4	91	0.50	152.97	0.97	56.18	-3.78	69.02
Col4	92	0.50	152.97	-0.69	56.18	2.67	69.02
Col4	93	0.50	152.97	-0.69	56.18	2.67	69.02
Col4	94	2.18	152.97	0.97	56.18	-3.78	69.02
Col4	95	1.71	152.97	-0.69	56.18	2.67	69.02
Col4	96	2.18	152.97	-0.69	56.18	2.67	69.02
Col4	97	1.71	152.97	0.97	56.18	-3.78	69.02
Col4	98	-0.90	260.28	-0.69	56.18	2.67	69.02
Col4	99	-1.37	260.28	-0.69	56.18	2.67	69.02
Col4	100	-0.90	260.28	0.97	56.18	-3.78	69.02
Col4	101	-1.37	260.28	0.97	56.18	-3.78	69.02
Col4	102	0.46	152.97	-0.69	56.18	2.67	69.02
Col4	103	0.46	152.97	0.97	56.18	-3.78	69.02
Col4	104	-1.53	260.28	0.97	56.18	-3.78	69.02

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col4	105	-1.53	260.28	0.97	56.18	-3.78	69.02
Col4	106	-1.53	260.28	-0.69	56.18	2.67	69.02
Col4	107	-1.53	260.28	-0.69	56.18	2.67	69.02
Col4	108	0.40	152.97	0.97	56.18	-3.78	69.02
Col4	109	-0.32	260.28	-0.69	56.18	2.67	69.02
Col4	110	0.40	152.97	-0.69	56.18	2.67	69.02
Col4	111	-0.32	260.28	0.97	56.18	-3.78	69.02
Col4	112	-0.30	260.28	-0.69	56.18	2.67	69.02
Col4	113	-0.77	260.28	-0.69	56.18	2.67	69.02
Col4	114	-0.30	260.28	0.97	56.18	-3.78	69.02
Col4	115	-0.77	260.28	0.97	56.18	-3.78	69.02
Col4	116	1.06	152.97	-0.69	56.18	2.67	69.02
Col4	117	1.06	152.97	0.97	56.18	-3.78	69.02
Col4	118	-0.93	260.28	0.97	56.18	-3.78	69.02
Col4	119	-0.93	260.28	0.97	56.18	-3.78	69.02
Col4	120	-0.93	260.28	-0.69	56.18	2.67	69.02
Col4	121	-0.93	260.28	-0.69	56.18	2.67	69.02
Col4	122	1.00	152.97	0.97	56.18	-3.78	69.02
Col4	123	0.53	152.97	-0.69	56.18	2.67	69.02
Col4	124	1.00	152.97	-0.69	56.18	2.67	69.02
Col4	125	0.53	152.97	0.97	56.18	-3.78	69.02
Col4	126	0.74	152.97	-0.69	56.18	2.67	69.02
Col4	127	0.26	152.97	-0.69	56.18	2.67	69.02
Col4	128	0.74	152.97	0.97	56.18	-3.78	69.02
Col4	129	0.26	152.97	0.97	56.18	-3.78	69.02
Col4	130	1.84	152.97	-0.69	56.18	2.67	69.02
Col4	131	1.84	152.97	0.97	56.18	-3.78	69.02
Col4	132	0.10	152.97	0.97	56.18	-3.78	69.02
Col4	133	0.10	152.97	0.97	56.18	-3.78	69.02
Col4	134	0.10	152.97	-0.69	56.18	2.67	69.02
Col4	135	0.10	152.97	-0.69	56.18	2.67	69.02
Col4	136	1.79	152.97	0.97	56.18	-3.78	69.02
Col4	137	1.32	152.97	-0.69	56.18	2.67	69.02
Col4	138	1.79	152.97	-0.69	56.18	2.67	69.02
Col4	139	1.32	152.97	0.97	56.18	-3.78	69.02
Col4	140	0.66	152.97	0.00	56.18	0.00	63.73
Col4	141	0.70	152.97	0.00	56.18	0.00	63.73
Col4	142	1.35	152.97	0.00	56.18	0.00	63.73
Col4	143	1.39	152.97	0.00	56.18	0.00	63.73
Col4	144	2.90	152.97	0.00	56.18	0.00	63.73
Col4	145	5.03	152.97	0.00	56.18	0.00	63.73
Col4	146	2.23	152.97	0.00	56.18	0.00	63.73
Col4	147	2.33	152.97	0.00	56.18	0.00	63.73
Col4	148	2.20	152.97	0.00	56.18	0.00	63.73
Col4	149	2.63	152.97	0.00	56.18	0.00	63.73
Col4	150	2.50	152.97	0.00	56.18	0.00	63.73
Col4	151	2.15	152.97	0.00	56.18	0.00	63.73
Col4	152	2.15	152.97	0.00	56.18	0.00	63.73
Col4	153	1.84	152.97	0.00	56.18	0.00	63.73
Col4	154	1.94	152.97	0.00	56.18	0.00	63.73
Col4	155	1.81	152.97	0.00	56.18	0.00	63.73
Col4	156	2.24	152.97	0.00	56.18	0.00	63.73
Col4	157	2.11	152.97	0.00	56.18	0.00	63.73
Col4	158	1.76	152.97	0.00	56.18	0.00	63.73

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Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col4	159	1.76	152.97	0.00	56.18	0.00	63.73
Col4	160	4.69	152.97	0.00	56.18	0.00	63.73
Col4	161	4.55	152.97	0.00	56.18	0.00	63.73
Col4	162	4.99	152.97	0.00	56.18	0.00	63.73
Col4	163	4.85	152.97	0.00	56.18	0.00	63.73
Col4	164	4.51	152.97	0.00	56.18	0.00	63.73
Col4	165	4.51	152.97	0.00	56.18	0.00	63.73
Col4	166	4.30	152.97	0.00	56.18	0.00	63.73
Col4	167	4.16	152.97	0.00	56.18	0.00	63.73
Col4	168	4.60	152.97	0.00	56.18	0.00	63.73
Col4	169	4.46	152.97	0.00	56.18	0.00	63.73
Col4	170	4.12	152.97	0.00	56.18	0.00	63.73
Col4	171	4.12	152.97	0.00	56.18	0.00	63.73
Col4	172	-0.61	260.28	0.00	56.18	0.00	63.73
Col4	173	-1.08	260.28	0.00	56.18	0.00	63.73
Col4	174	0.79	152.97	0.00	56.18	0.00	63.73
Col4	175	0.32	152.97	0.00	56.18	0.00	63.73
Col4	176	-1.24	260.28	0.00	56.18	0.00	63.73
Col4	177	-1.24	260.28	0.00	56.18	0.00	63.73
Col4	178	0.34	152.97	0.00	56.18	0.00	63.73
Col4	179	-0.48	260.28	0.00	56.18	0.00	63.73
Col4	180	1.39	152.97	0.00	56.18	0.00	63.73
Col4	181	0.92	152.97	0.00	56.18	0.00	63.73
Col4	182	-0.64	260.28	0.00	56.18	0.00	63.73
Col4	183	-0.64	260.28	0.00	56.18	0.00	63.73
Col4	184	1.13	152.97	0.00	56.18	0.00	63.73
Col4	185	0.66	152.97	0.00	56.18	0.00	63.73
Col4	186	2.18	152.97	0.00	56.18	0.00	63.73
Col4	187	1.71	152.97	0.00	56.18	0.00	63.73
Col4	188	0.50	152.97	0.00	56.18	0.00	63.73
Col4	189	0.50	152.97	0.00	56.18	0.00	63.73
Col4	190	-0.90	260.28	0.00	56.18	0.00	63.73
Col4	191	-1.37	260.28	0.00	56.18	0.00	63.73
Col4	192	0.40	152.97	0.00	56.18	0.00	63.73
Col4	193	-0.32	260.28	0.00	56.18	0.00	63.73
Col4	194	-1.53	260.28	0.00	56.18	0.00	63.73
Col4	195	-1.53	260.28	0.00	56.18	0.00	63.73
Col4	196	-0.30	260.28	0.00	56.18	0.00	63.73
Col4	197	-0.77	260.28	0.00	56.18	0.00	63.73
Col4	198	1.00	152.97	0.00	56.18	0.00	63.73
Col4	199	0.53	152.97	0.00	56.18	0.00	63.73
Col4	200	-0.93	260.28	0.00	56.18	0.00	63.73
Col4	201	-0.93	260.28	0.00	56.18	0.00	63.73
Col4	202	0.74	152.97	0.00	56.18	0.00	63.73
Col4	203	0.26	152.97	0.00	56.18	0.00	63.73
Col4	204	1.79	152.97	0.00	56.18	0.00	63.73
Col4	205	1.32	152.97	0.00	56.18	0.00	63.73
Col4	206	0.10	152.97	0.00	56.18	0.00	63.73
Col4	207	0.10	152.97	0.00	56.18	0.00	63.73
Col4	208	1.26	152.97	0.00	56.18	0.00	63.73
Col4	209	1.30	152.97	0.00	56.18	0.00	63.73
Raf1	1	0.16	217.32	2.05	56.18	-5.06	69.08
Raf1	2	0.04	217.32	0.50	56.18	-1.23	69.08

		Job No	011467_RF		**Date**	3/26/2024	
		Customer	Norsteel Buildings		**Designed By**	MQZ	
		Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0				

Raf1	3	0.22	217.32	2.92	56.18	-7.20	69.08
Raf1	4	0.36	217.32	1.80	56.18	-4.44	69.08
Raf1	5	0.36	217.32	1.80	56.18	-4.44	69.08
Raf1	6	-0.58	260.28	1.64	56.18	-4.04	69.08
Raf1	7	-0.58	260.28	1.64	56.18	-4.04	69.08
Raf1	8	0.82	217.32	2.04	56.18	-5.03	69.08
Raf1	9	0.82	217.32	2.04	56.18	-5.03	69.08
Raf1	10	0.20	217.32	1.88	56.18	-4.63	69.08
Raf1	11	0.20	217.32	1.88	56.18	-4.63	69.08
Raf1	12	-0.61	260.28	1.64	56.18	-4.04	69.08
Raf1	13	-0.61	260.28	1.64	56.18	-4.04	69.08
Raf1	14	-0.61	260.28	1.64	56.18	-4.04	69.08
Raf1	15	-0.61	260.28	1.64	56.18	-4.04	69.08
Raf1	16	0.14	217.32	1.79	56.18	-4.42	69.08
Raf1	17	0.20	217.32	2.65	56.18	-6.55	69.08
Raf1	18	0.34	217.32	1.53	56.18	-3.79	69.08
Raf1	19	0.34	217.32	1.53	56.18	-3.79	69.08
Raf1	20	-0.56	260.28	1.38	56.18	-3.40	69.08
Raf1	21	-0.56	260.28	1.38	56.18	-3.40	69.08
Raf1	22	0.80	217.32	1.77	56.18	-4.38	69.08
Raf1	23	0.80	217.32	1.77	56.18	-4.38	69.08
Raf1	24	0.18	217.32	1.61	56.18	-3.98	69.08
Raf1	25	0.18	217.32	1.61	56.18	-3.98	69.08
Raf1	26	-0.59	260.28	1.38	56.18	-3.40	69.08
Raf1	27	-0.59	260.28	1.38	56.18	-3.40	69.08
Raf1	28	-0.59	260.28	1.38	56.18	-3.40	69.08
Raf1	29	-0.59	260.28	1.38	56.18	-3.40	69.08
Raf1	30	0.32	217.32	4.15	56.18	-10.25	69.08
Raf1	31	0.52	217.32	3.90	56.18	-9.63	69.08
Raf1	32	0.52	217.32	3.90	56.18	-9.63	69.08
Raf1	33	-0.76	260.28	3.74	56.18	-9.23	69.08
Raf1	34	-0.76	260.28	3.74	56.18	-9.23	69.08
Raf1	35	0.98	217.32	4.14	56.18	-10.22	69.08
Raf1	36	0.98	217.32	4.14	56.18	-10.22	69.08
Raf1	37	0.36	217.32	3.98	56.18	-9.82	69.08
Raf1	38	0.36	217.32	3.98	56.18	-9.82	69.08
Raf1	39	-0.79	260.28	3.74	56.18	-9.23	69.08
Raf1	40	-0.79	260.28	3.74	56.18	-9.23	69.08
Raf1	41	-0.79	260.28	3.74	56.18	-9.23	69.08
Raf1	42	-0.79	260.28	3.74	56.18	-9.23	69.08
Raf1	43	0.30	217.32	3.89	56.18	-9.61	69.08
Raf1	44	0.50	217.32	3.64	56.18	-8.98	69.08
Raf1	45	0.50	217.32	3.64	56.18	-8.98	69.08
Raf1	46	-0.73	260.28	3.48	56.18	-8.59	69.08
Raf1	47	-0.73	260.28	3.48	56.18	-8.59	69.08
Raf1	48	0.96	217.32	3.87	56.18	-9.57	69.08
Raf1	49	0.96	217.32	3.87	56.18	-9.57	69.08
Raf1	50	0.34	217.32	3.72	56.18	-9.17	69.08
Raf1	51	0.34	217.32	3.72	56.18	-9.17	69.08
Raf1	52	-0.77	260.28	3.48	56.18	-8.59	69.08
Raf1	53	-0.77	260.28	3.48	56.18	-8.59	69.08
Raf1	54	-0.77	260.28	3.48	56.18	-8.59	69.08
Raf1	55	-0.77	260.28	3.48	56.18	-8.59	69.08
Raf1	56	0.74	217.32	-0.44	56.18	1.10	69.08

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Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Raf1	57	-1.47	260.28	-1.00	56.18	2.47	69.08
Raf1	58	0.74	217.32	-0.44	56.18	1.10	69.08
Raf1	59	-1.47	260.28	-1.00	56.18	2.47	69.08
Raf1	60	0.03	217.32	0.45	56.18	-1.10	69.08
Raf1	61	0.03	217.32	0.45	56.18	-1.10	69.08
Raf1	62	-1.59	260.28	-1.00	56.18	2.47	69.08
Raf1	63	-1.59	260.28	-1.00	56.18	2.47	69.08
Raf1	64	-1.59	260.28	-1.00	56.18	2.47	69.08
Raf1	65	-1.59	260.28	-1.00	56.18	2.47	69.08
Raf1	66	2.34	217.32	0.39	56.18	-0.96	69.08
Raf1	67	0.20	217.32	-0.17	56.18	0.41	69.08
Raf1	68	2.34	217.32	0.39	56.18	-0.96	69.08
Raf1	69	0.20	217.32	-0.17	56.18	0.41	69.08
Raf1	70	0.78	217.32	0.09	56.18	-0.22	69.08
Raf1	71	-1.52	260.28	-0.47	56.18	1.15	69.08
Raf1	72	0.78	217.32	0.09	56.18	-0.22	69.08
Raf1	73	-1.52	260.28	-0.47	56.18	1.15	69.08
Raf1	74	0.07	217.32	0.98	56.18	-2.42	69.08
Raf1	75	0.07	217.32	0.98	56.18	-2.42	69.08
Raf1	76	-1.63	260.28	-0.47	56.18	1.15	69.08
Raf1	77	-1.63	260.28	-0.47	56.18	1.15	69.08
Raf1	78	-1.63	260.28	-0.47	56.18	1.15	69.08
Raf1	79	-1.63	260.28	-0.47	56.18	1.15	69.08
Raf1	80	2.38	217.32	0.93	56.18	-2.28	69.08
Raf1	81	0.25	217.32	0.37	56.18	-0.91	69.08
Raf1	82	2.38	217.32	0.93	56.18	-2.28	69.08
Raf1	83	0.25	217.32	0.37	56.18	-0.91	69.08
Raf1	84	0.83	217.32	0.79	56.18	-1.95	69.08
Raf1	85	-1.58	260.28	0.24	56.18	-0.58	69.08
Raf1	86	0.83	217.32	0.79	56.18	-1.95	69.08
Raf1	87	-1.58	260.28	0.24	56.18	-0.58	69.08
Raf1	88	0.13	217.32	1.68	56.18	-4.15	69.08
Raf1	89	0.13	217.32	1.68	56.18	-4.15	69.08
Raf1	90	-1.69	260.28	0.24	56.18	-0.58	69.08
Raf1	91	-1.69	260.28	0.24	56.18	-0.58	69.08
Raf1	92	-1.69	260.28	0.24	56.18	-0.58	69.08
Raf1	93	-1.69	260.28	0.24	56.18	-0.58	69.08
Raf1	94	2.44	217.32	1.63	56.18	-4.01	69.08
Raf1	95	0.30	217.32	1.07	56.18	-2.64	69.08
Raf1	96	2.44	217.32	1.63	56.18	-4.01	69.08
Raf1	97	0.30	217.32	1.07	56.18	-2.64	69.08
Raf1	98	0.72	217.32	-0.71	56.18	1.75	69.08
Raf1	99	-1.45	260.28	-1.26	56.18	3.12	69.08
Raf1	100	0.72	217.32	-0.71	56.18	1.75	69.08
Raf1	101	-1.45	260.28	-1.26	56.18	3.12	69.08
Raf1	102	0.01	217.32	0.18	56.18	-0.45	69.08
Raf1	103	0.01	217.32	0.18	56.18	-0.45	69.08
Raf1	104	-1.56	260.28	-1.26	56.18	3.12	69.08
Raf1	105	-1.56	260.28	-1.26	56.18	3.12	69.08
Raf1	106	-1.56	260.28	-1.26	56.18	3.12	69.08
Raf1	107	-1.56	260.28	-1.26	56.18	3.12	69.08
Raf1	108	2.32	217.32	0.13	56.18	-0.31	69.08
Raf1	109	0.18	217.32	-0.43	56.18	1.06	69.08
Raf1	110	2.32	217.32	0.13	56.18	-0.31	69.08

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Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Raf1	111	0.18	217.32	-0.43	56.18	1.06	69.08
Raf1	112	0.76	217.32	-0.17	56.18	0.42	69.08
Raf1	113	-1.50	260.28	-0.73	56.18	1.80	69.08
Raf1	114	0.76	217.32	-0.17	56.18	0.42	69.08
Raf1	115	-1.50	260.28	-0.73	56.18	1.80	69.08
Raf1	116	0.05	217.32	0.72	56.18	-1.77	69.08
Raf1	117	0.05	217.32	0.72	56.18	-1.77	69.08
Raf1	118	-1.61	260.28	-0.73	56.18	1.80	69.08
Raf1	119	-1.61	260.28	-0.73	56.18	1.80	69.08
Raf1	120	-1.61	260.28	-0.73	56.18	1.80	69.08
Raf1	121	-1.61	260.28	-0.73	56.18	1.80	69.08
Raf1	122	2.36	217.32	0.66	56.18	-1.64	69.08
Raf1	123	0.23	217.32	0.11	56.18	-0.26	69.08
Raf1	124	2.36	217.32	0.66	56.18	-1.64	69.08
Raf1	125	0.23	217.32	0.11	56.18	-0.26	69.08
Raf1	126	0.81	217.32	0.53	56.18	-1.31	69.08
Raf1	127	-1.55	260.28	-0.03	56.18	0.07	69.08
Raf1	128	0.81	217.32	0.53	56.18	-1.31	69.08
Raf1	129	-1.55	260.28	-0.03	56.18	0.07	69.08
Raf1	130	0.11	217.32	1.42	56.18	-3.50	69.08
Raf1	131	0.11	217.32	1.42	56.18	-3.50	69.08
Raf1	132	-1.67	260.28	-0.03	56.18	0.07	69.08
Raf1	133	-1.67	260.28	-0.03	56.18	0.07	69.08
Raf1	134	-1.67	260.28	-0.03	56.18	0.07	69.08
Raf1	135	-1.67	260.28	-0.03	56.18	0.07	69.08
Raf1	136	2.42	217.32	1.36	56.18	-3.37	69.08
Raf1	137	0.28	217.32	0.81	56.18	-1.99	69.08
Raf1	138	2.42	217.32	1.36	56.18	-3.37	69.08
Raf1	139	0.28	217.32	0.81	56.18	-1.99	69.08
Raf1	140	0.43	217.32	0.34	56.18	-0.84	69.08
Raf1	141	-0.37	260.28	0.37	56.18	-0.92	69.08
Raf1	142	0.47	217.32	0.96	56.18	-2.37	69.08
Raf1	143	-0.32	260.28	0.99	56.18	-2.45	69.08
Raf1	144	0.31	217.32	4.18	56.18	-10.40	69.08
Raf1	145	0.18	217.32	2.27	56.18	-5.54	69.08
Raf1	146	0.13	217.32	1.68	56.18	-4.15	69.08
Raf1	147	0.36	217.32	1.80	56.18	-4.44	69.08
Raf1	148	-0.58	260.28	1.64	56.18	-4.04	69.08
Raf1	149	0.82	217.32	2.04	56.18	-5.03	69.08
Raf1	150	0.20	217.32	1.88	56.18	-4.63	69.08
Raf1	151	-0.61	260.28	1.64	56.18	-4.04	69.08
Raf1	152	-0.61	260.28	1.64	56.18	-4.04	69.08
Raf1	153	0.11	217.32	1.42	56.18	-3.50	69.08
Raf1	154	0.34	217.32	1.53	56.18	-3.79	69.08
Raf1	155	-0.56	260.28	1.38	56.18	-3.40	69.08
Raf1	156	0.80	217.32	1.77	56.18	-4.38	69.08
Raf1	157	0.18	217.32	1.61	56.18	-3.98	69.08
Raf1	158	-0.59	260.28	1.38	56.18	-3.40	69.08
Raf1	159	-0.59	260.28	1.38	56.18	-3.40	69.08
Raf1	160	0.52	217.32	3.90	56.18	-9.63	69.08
Raf1	161	-0.76	260.28	3.74	56.18	-9.23	69.08
Raf1	162	0.98	217.32	4.14	56.18	-10.22	69.08
Raf1	163	0.36	217.32	3.98	56.18	-9.82	69.08
Raf1	164	-0.79	260.28	3.74	56.18	-9.23	69.08

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Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Raf1	165	-0.79	260.28	3.74	56.18	-9.23	69.08
Raf1	166	0.50	217.32	3.64	56.18	-8.98	69.08
Raf1	167	-0.73	260.28	3.48	56.18	-8.59	69.08
Raf1	168	0.96	217.32	3.87	56.18	-9.57	69.08
Raf1	169	0.34	217.32	3.72	56.18	-9.17	69.08
Raf1	170	-0.77	260.28	3.48	56.18	-8.59	69.08
Raf1	171	-0.77	260.28	3.48	56.18	-8.59	69.08
Raf1	172	0.74	217.32	-0.44	56.18	1.10	69.08
Raf1	173	-1.47	260.28	-1.00	56.18	2.47	69.08
Raf1	174	2.34	217.32	0.39	56.18	-0.96	69.08
Raf1	175	0.20	217.32	-0.17	56.18	0.41	69.08
Raf1	176	-1.59	260.28	-1.00	56.18	2.47	69.08
Raf1	177	-1.59	260.28	-1.00	56.18	2.47	69.08
Raf1	178	0.78	217.32	0.09	56.18	-0.22	69.08
Raf1	179	-1.52	260.28	-0.47	56.18	1.15	69.08
Raf1	180	2.38	217.32	0.93	56.18	-2.28	69.08
Raf1	181	0.25	217.32	0.37	56.18	-0.91	69.08
Raf1	182	-1.63	260.28	-0.47	56.18	1.15	69.08
Raf1	183	-1.63	260.28	-0.47	56.18	1.15	69.08
Raf1	184	0.83	217.32	0.79	56.18	-1.95	69.08
Raf1	185	-1.58	260.28	0.24	56.18	-0.58	69.08
Raf1	186	2.44	217.32	1.63	56.18	-4.01	69.08
Raf1	187	0.30	217.32	1.07	56.18	-2.64	69.08
Raf1	188	-1.69	260.28	0.24	56.18	-0.58	69.08
Raf1	189	-1.69	260.28	0.24	56.18	-0.58	69.08
Raf1	190	0.72	217.32	-0.71	56.18	1.75	69.08
Raf1	191	-1.45	260.28	-1.26	56.18	3.12	69.08
Raf1	192	2.32	217.32	0.13	56.18	-0.31	69.08
Raf1	193	0.18	217.32	-0.43	56.18	1.06	69.08
Raf1	194	-1.56	260.28	-1.26	56.18	3.12	69.08
Raf1	195	-1.56	260.28	-1.26	56.18	3.12	69.08
Raf1	196	0.76	217.32	-0.17	56.18	0.42	69.08
Raf1	197	-1.50	260.28	-0.73	56.18	1.80	69.08
Raf1	198	2.36	217.32	0.66	56.18	-1.64	69.08
Raf1	199	0.23	217.32	0.11	56.18	-0.26	69.08
Raf1	200	-1.61	260.28	-0.73	56.18	1.80	69.08
Raf1	201	-1.61	260.28	-0.73	56.18	1.80	69.08
Raf1	202	0.81	217.32	0.53	56.18	-1.31	69.08
Raf1	203	-1.55	260.28	-0.03	56.18	0.07	69.08
Raf1	204	2.42	217.32	1.36	56.18	-3.37	69.08
Raf1	205	0.28	217.32	0.81	56.18	-1.99	69.08
Raf1	206	-1.67	260.28	-0.03	56.18	0.07	69.08
Raf1	207	-1.67	260.28	-0.03	56.18	0.07	69.08
Raf1	208	0.47	217.32	0.88	56.18	-2.16	69.08
Raf1	209	-0.33	260.28	0.91	56.18	-2.24	69.08
Raf2	1	0.26	217.32	3.12	56.18	6.88	69.08
Raf2	2	0.06	217.32	0.76	56.18	1.67	69.08
Raf2	3	0.37	217.32	4.44	56.18	9.79	69.08
Raf2	4	-0.66	260.28	2.73	56.18	6.03	69.08
Raf2	5	-0.66	260.28	2.73	56.18	6.03	69.08
Raf2	6	0.28	217.32	2.49	56.18	5.50	69.08
Raf2	7	0.28	217.32	2.49	56.18	5.50	69.08
Raf2	8	0.92	217.32	3.09	56.18	6.83	69.08
Raf2	9	0.92	217.32	3.09	56.18	6.83	69.08

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Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Raf2	10	0.72	212.33	2.85	56.18	6.30	69.08
Raf2	11	0.72	212.33	2.85	56.18	6.30	69.08
Raf2	12	-0.70	260.28	2.49	56.18	5.50	69.08
Raf2	13	-0.70	260.28	2.49	56.18	5.50	69.08
Raf2	14	-0.70	260.28	2.49	56.18	5.50	69.08
Raf2	15	-0.70	260.28	2.49	56.18	5.50	69.08
Raf2	16	0.23	217.32	2.72	56.18	6.00	69.08
Raf2	17	0.34	217.32	4.04	56.18	8.91	69.08
Raf2	18	-0.63	260.28	2.33	56.18	5.15	69.08
Raf2	19	-0.63	260.28	2.33	56.18	5.15	69.08
Raf2	20	0.26	217.32	2.09	56.18	4.61	69.08
Raf2	21	0.26	217.32	2.09	56.18	4.61	69.08
Raf2	22	0.89	217.32	2.69	56.18	5.95	69.08
Raf2	23	0.89	217.32	2.69	56.18	5.95	69.08
Raf2	24	0.69	212.33	2.45	56.18	5.41	69.08
Raf2	25	0.69	212.33	2.45	56.18	5.41	69.08
Raf2	26	-0.67	260.28	2.09	56.18	4.61	69.08
Raf2	27	-0.67	260.28	2.09	56.18	4.61	69.08
Raf2	28	-0.67	260.28	2.09	56.18	4.61	69.08
Raf2	29	-0.67	260.28	2.09	56.18	4.61	69.08
Raf2	30	0.53	217.32	6.31	56.18	13.94	69.08
Raf2	31	-0.93	260.28	5.93	56.18	13.08	69.08
Raf2	32	-0.93	260.28	5.93	56.18	13.08	69.08
Raf2	33	0.47	212.33	5.69	56.18	12.55	69.08
Raf2	34	0.47	212.33	5.69	56.18	12.55	69.08
Raf2	35	1.19	217.32	6.29	56.18	13.88	69.08
Raf2	36	1.19	217.32	6.29	56.18	13.88	69.08
Raf2	37	0.95	212.33	6.05	56.18	13.35	69.08
Raf2	38	0.95	212.33	6.05	56.18	13.35	69.08
Raf2	39	-0.97	260.28	5.69	56.18	12.55	69.08
Raf2	40	-0.97	260.28	5.69	56.18	12.55	69.08
Raf2	41	-0.97	260.28	5.69	56.18	12.55	69.08
Raf2	42	-0.97	260.28	5.69	56.18	12.55	69.08
Raf2	43	0.49	217.32	5.91	56.18	13.05	69.08
Raf2	44	-0.89	260.28	5.53	56.18	12.20	69.08
Raf2	45	-0.89	260.28	5.53	56.18	12.20	69.08
Raf2	46	0.44	212.33	5.29	56.18	11.67	69.08
Raf2	47	0.44	212.33	5.29	56.18	11.67	69.08
Raf2	48	1.15	217.32	5.89	56.18	13.00	69.08
Raf2	49	1.15	217.32	5.89	56.18	13.00	69.08
Raf2	50	0.92	212.33	5.65	56.18	12.47	69.08
Raf2	51	0.92	212.33	5.65	56.18	12.47	69.08
Raf2	52	-0.93	260.28	5.29	56.18	11.67	69.08
Raf2	53	-0.93	260.28	5.29	56.18	11.67	69.08
Raf2	54	-0.93	260.28	5.29	56.18	11.67	69.08
Raf2	55	-0.93	260.28	5.29	56.18	11.67	69.08
Raf2	56	-1.46	260.28	-0.68	56.18	-1.49	69.08
Raf2	57	-1.40	260.28	-1.52	56.18	-3.36	69.08
Raf2	58	-1.46	260.28	-0.68	56.18	-1.49	69.08
Raf2	59	-1.40	260.28	-1.52	56.18	-3.36	69.08
Raf2	60	0.06	217.32	0.68	56.18	1.50	69.08
Raf2	61	0.06	217.32	0.68	56.18	1.50	69.08
Raf2	62	-1.60	260.28	-1.52	56.18	-3.36	69.08
Raf2	63	-1.60	260.28	-1.52	56.18	-3.36	69.08

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Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Raf2	64	-1.60	260.28	-1.52	56.18	-3.36	69.08
Raf2	65	-1.60	260.28	-1.52	56.18	-3.36	69.08
Raf2	66	2.37	212.33	0.59	56.18	1.31	69.08
Raf2	67	1.91	217.32	-0.25	56.18	-0.56	69.08
Raf2	68	2.37	212.33	0.59	56.18	1.31	69.08
Raf2	69	1.91	217.32	-0.25	56.18	-0.56	69.08
Raf2	70	-1.52	260.28	-0.14	56.18	0.31	69.08
Raf2	71	-1.36	260.28	-0.71	56.18	-1.56	69.08
Raf2	72	-1.52	260.28	-0.14	56.18	0.31	69.08
Raf2	73	-1.36	260.28	-0.71	56.18	-1.56	69.08
Raf2	74	0.12	217.32	1.49	56.18	3.29	69.08
Raf2	75	0.12	217.32	1.49	56.18	3.29	69.08
Raf2	76	-1.67	260.28	-0.71	56.18	-1.56	69.08
Raf2	77	-1.67	260.28	-0.71	56.18	-1.56	69.08
Raf2	78	-1.67	260.28	-0.71	56.18	-1.56	69.08
Raf2	79	-1.67	260.28	-0.71	56.18	-1.56	69.08
Raf2	80	2.43	212.33	1.41	56.18	3.10	69.08
Raf2	81	1.95	217.32	0.56	56.18	1.24	69.08
Raf2	82	2.43	212.33	1.41	56.18	3.10	69.08
Raf2	83	1.95	217.32	0.56	56.18	1.24	69.08
Raf2	84	-1.61	260.28	1.20	56.18	2.65	69.08
Raf2	85	-1.31	260.28	0.36	56.18	0.79	69.08
Raf2	86	-1.61	260.28	1.20	56.18	2.65	69.08
Raf2	87	-1.31	260.28	0.36	56.18	0.79	69.08
Raf2	88	0.21	217.32	2.56	56.18	5.64	69.08
Raf2	89	0.21	217.32	2.56	56.18	5.64	69.08
Raf2	90	-1.76	260.28	0.36	56.18	0.79	69.08
Raf2	91	-1.76	260.28	0.36	56.18	0.79	69.08
Raf2	92	-1.76	260.28	0.36	56.18	0.79	69.08
Raf2	93	-1.76	260.28	0.36	56.18	0.79	69.08
Raf2	94	2.51	212.33	2.47	56.18	5.45	69.08
Raf2	95	2.01	217.32	1.63	56.18	3.59	69.08
Raf2	96	2.51	212.33	2.47	56.18	5.45	69.08
Raf2	97	2.01	217.32	1.63	56.18	3.59	69.08
Raf2	98	-1.42	260.28	-1.08	56.18	-2.37	69.08
Raf2	99	-1.42	260.28	-1.92	56.18	-4.24	69.08
Raf2	100	-1.42	260.28	-1.08	56.18	-2.37	69.08
Raf2	101	-1.42	260.28	-1.92	56.18	-4.24	69.08
Raf2	102	0.02	217.32	0.28	56.18	0.61	69.08
Raf2	103	0.02	217.32	0.28	56.18	0.61	69.08
Raf2	104	-1.57	260.28	-1.92	56.18	-4.24	69.08
Raf2	105	-1.57	260.28	-1.92	56.18	-4.24	69.08
Raf2	106	-1.57	260.28	-1.92	56.18	-4.24	69.08
Raf2	107	-1.57	260.28	-1.92	56.18	-4.24	69.08
Raf2	108	2.34	212.33	0.19	56.18	0.43	69.08
Raf2	109	1.89	217.32	-0.65	56.18	-1.44	69.08
Raf2	110	2.34	212.33	0.19	56.18	0.43	69.08
Raf2	111	1.89	217.32	-0.65	56.18	-1.44	69.08
Raf2	112	-1.49	260.28	-0.26	56.18	-0.58	69.08
Raf2	113	-1.38	260.28	-1.11	56.18	-2.44	69.08
Raf2	114	-1.49	260.28	-0.26	56.18	-0.58	69.08
Raf2	115	-1.38	260.28	-1.11	56.18	-2.44	69.08
Raf2	116	0.09	217.32	1.09	56.18	2.41	69.08
Raf2	117	0.09	217.32	1.09	56.18	2.41	69.08

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Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Raf2	118	-1.64	260.28	-1.11	56.18	-2.44	69.08
Raf2	119	-1.64	260.28	-1.11	56.18	-2.44	69.08
Raf2	120	-1.64	260.28	-1.11	56.18	-2.44	69.08
Raf2	121	-1.64	260.28	-1.11	56.18	-2.44	69.08
Raf2	122	2.40	212.33	1.01	56.18	2.22	69.08
Raf2	123	1.93	217.32	0.16	56.18	0.36	69.08
Raf2	124	2.40	212.33	1.01	56.18	2.22	69.08
Raf2	125	1.93	217.32	0.16	56.18	0.36	69.08
Raf2	126	-1.58	260.28	0.80	56.18	1.77	69.08
Raf2	127	-1.33	260.28	-0.04	56.18	-0.09	69.08
Raf2	128	-1.58	260.28	0.80	56.18	1.77	69.08
Raf2	129	-1.33	260.28	-0.04	56.18	-0.09	69.08
Raf2	130	0.18	217.32	2.16	56.18	4.76	69.08
Raf2	131	0.18	217.32	2.16	56.18	4.76	69.08
Raf2	132	-1.72	260.28	-0.04	56.18	-0.09	69.08
Raf2	133	-1.72	260.28	-0.04	56.18	-0.09	69.08
Raf2	134	-1.72	260.28	-0.04	56.18	-0.09	69.08
Raf2	135	-1.72	260.28	-0.04	56.18	-0.09	69.08
Raf2	136	2.48	212.33	2.07	56.18	4.57	69.08
Raf2	137	1.99	217.32	1.23	56.18	2.71	69.08
Raf2	138	2.48	212.33	2.07	56.18	4.57	69.08
Raf2	139	1.99	217.32	1.23	56.18	2.71	69.08
Raf2	140	1.07	212.33	0.52	56.18	1.14	69.08
Raf2	141	0.99	212.33	0.57	56.18	1.25	69.08
Raf2	142	1.14	212.33	1.46	56.18	3.21	69.08
Raf2	143	0.92	212.33	1.51	56.18	3.32	69.08
Raf2	144	0.52	217.32	-6.28	56.18	13.56	69.08
Raf2	145	0.45	212.33	6.29	56.18	13.63	69.08
Raf2	146	0.21	217.32	2.56	56.18	5.64	69.08
Raf2	147	-0.66	260.28	2.73	56.18	6.03	69.08
Raf2	148	0.28	217.32	2.49	56.18	5.50	69.08
Raf2	149	0.92	217.32	3.09	56.18	6.83	69.08
Raf2	150	0.72	212.33	2.85	56.18	6.30	69.08
Raf2	151	-0.70	260.28	2.49	56.18	5.50	69.08
Raf2	152	-0.70	260.28	2.49	56.18	5.50	69.08
Raf2	153	0.18	217.32	2.16	56.18	4.76	69.08
Raf2	154	-0.63	260.28	2.33	56.18	5.15	69.08
Raf2	155	0.26	217.32	2.09	56.18	4.61	69.08
Raf2	156	0.89	217.32	2.69	56.18	5.95	69.08
Raf2	157	0.69	212.33	2.45	56.18	5.41	69.08
Raf2	158	-0.67	260.28	2.09	56.18	4.61	69.08
Raf2	159	-0.67	260.28	2.09	56.18	4.61	69.08
Raf2	160	-0.93	260.28	5.93	56.18	13.08	69.08
Raf2	161	0.47	212.33	5.69	56.18	12.55	69.08
Raf2	162	1.19	217.32	6.29	56.18	13.88	69.08
Raf2	163	0.95	212.33	6.05	56.18	13.35	69.08
Raf2	164	-0.97	260.28	5.69	56.18	12.55	69.08
Raf2	165	-0.97	260.28	5.69	56.18	12.55	69.08
Raf2	166	-0.89	260.28	5.53	56.18	12.20	69.08
Raf2	167	0.44	212.33	5.29	56.18	11.67	69.08
Raf2	168	1.15	217.32	5.89	56.18	13.00	69.08
Raf2	169	0.92	212.33	5.65	56.18	12.47	69.08
Raf2	170	-0.93	260.28	5.29	56.18	11.67	69.08
Raf2	171	-0.93	260.28	5.29	56.18	11.67	69.08

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Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Raf2	172	-1.46	260.28	-0.68	56.18	-1.49	69.08
Raf2	173	-1.40	260.28	-1.52	56.18	-3.36	69.08
Raf2	174	2.37	212.33	0.59	56.18	1.31	69.08
Raf2	175	1.91	217.32	-0.25	56.18	-0.56	69.08
Raf2	176	-1.60	260.28	-1.52	56.18	-3.36	69.08
Raf2	177	-1.60	260.28	-1.52	56.18	-3.36	69.08
Raf2	178	-1.52	260.28	-0.14	56.18	0.31	69.08
Raf2	179	-1.36	260.28	-0.71	56.18	-1.56	69.08
Raf2	180	2.43	212.33	1.41	56.18	3.10	69.08
Raf2	181	1.95	217.32	0.56	56.18	1.24	69.08
Raf2	182	-1.67	260.28	-0.71	56.18	-1.56	69.08
Raf2	183	-1.67	260.28	-0.71	56.18	-1.56	69.08
Raf2	184	-1.61	260.28	1.20	56.18	2.65	69.08
Raf2	185	-1.31	260.28	0.36	56.18	0.79	69.08
Raf2	186	2.51	212.33	2.47	56.18	5.45	69.08
Raf2	187	2.01	217.32	1.63	56.18	3.59	69.08
Raf2	188	-1.76	260.28	0.36	56.18	0.79	69.08
Raf2	189	-1.76	260.28	0.36	56.18	0.79	69.08
Raf2	190	-1.42	260.28	-1.08	56.18	-2.37	69.08
Raf2	191	-1.42	260.28	-1.92	56.18	-4.24	69.08
Raf2	192	2.34	212.33	0.19	56.18	0.43	69.08
Raf2	193	1.89	217.32	-0.65	56.18	-1.44	69.08
Raf2	194	-1.57	260.28	-1.92	56.18	-4.24	69.08
Raf2	195	-1.57	260.28	-1.92	56.18	-4.24	69.08
Raf2	196	-1.49	260.28	-0.26	56.18	-0.58	69.08
Raf2	197	-1.38	260.28	-1.11	56.18	-2.44	69.08
Raf2	198	2.40	212.33	1.01	56.18	2.22	69.08
Raf2	199	1.93	217.32	0.16	56.18	0.36	69.08
Raf2	200	-1.64	260.28	-1.11	56.18	-2.44	69.08
Raf2	201	-1.64	260.28	-1.11	56.18	-2.44	69.08
Raf2	202	-1.58	260.28	0.80	56.18	1.77	69.08
Raf2	203	-1.33	260.28	-0.04	56.18	-0.09	69.08
Raf2	204	2.48	212.33	2.07	56.18	4.57	69.08
Raf2	205	1.99	217.32	1.23	56.18	2.71	69.08
Raf2	206	-1.72	260.28	-0.04	56.18	-0.09	69.08
Raf2	207	-1.72	260.28	-0.04	56.18	-0.09	69.08
Raf2	208	1.13	212.33	1.33	56.18	2.94	69.08
Raf2	209	0.93	212.33	1.38	56.18	3.05	69.08

STRENGTH RATIO:

Id	Load Id	Axial	Shear	Moment	Axial+ Moment	Shear+ Moment	Max UC
Col1	1	0.02	0.00	0.00	0.02		0.02
Col1	2	0.01	0.00	0.00	0.01		0.01
Col1	3	0.02	0.00	0.00	0.02		0.02
Col1	4	0.02	0.01	0.02	0.03		0.03
Col1	5	0.02	0.00	0.02	0.03		0.03
Col1	6	0.02	0.01	0.02	0.03		0.03
Col1	7	0.02	0.00	0.02	0.03		0.03
Col1	8	0.02	0.01	0.02	0.03		0.03
Col1	9	0.02	0.00	0.02	0.03		0.03
Col1	10	0.02	0.01	0.02	0.03		0.03

			Job No	011467_RF		**Date**	3/26/2024	
			Customer	Norsteel Buildings		**Designed By**	MQZ	
			Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0				
Col1	11	0.02	0.00	0.02	0.03	0.03		
Col1	12	0.02	0.01	0.02	0.03	0.03		
Col1	13	0.02	0.01	0.02	0.03	0.03		
Col1	14	0.02	0.00	0.02	0.03	0.03		
Col1	15	0.02	0.00	0.02	0.03	0.03		
Col1	16	0.02	0.00	0.00	0.02	0.02		
Col1	17	0.02	0.00	0.00	0.02	0.02		
Col1	18	0.01	0.01	0.02	0.03	0.03		
Col1	19	0.01	0.00	0.02	0.03	0.03		
Col1	20	0.01	0.01	0.02	0.03	0.03		
Col1	21	0.01	0.00	0.02	0.02	0.02		
Col1	22	0.01	0.01	0.02	0.03	0.03		
Col1	23	0.01	0.00	0.02	0.03	0.03		
Col1	24	0.01	0.01	0.02	0.03	0.03		
Col1	25	0.01	0.00	0.02	0.03	0.03		
Col1	26	0.01	0.01	0.02	0.03	0.03		
Col1	27	0.01	0.01	0.02	0.03	0.03		
Col1	28	0.01	0.00	0.02	0.02	0.02		
Col1	29	0.01	0.00	0.02	0.02	0.02		
Col1	30	0.03	0.00	0.00	0.03	0.03		
Col1	31	0.03	0.01	0.02	0.05	0.05		
Col1	32	0.03	0.00	0.02	0.04	0.04		
Col1	33	0.03	0.01	0.02	0.05	0.05		
Col1	34	0.03	0.00	0.02	0.04	0.04		
Col1	35	0.03	0.01	0.02	0.05	0.05		
Col1	36	0.03	0.00	0.02	0.04	0.04		
Col1	37	0.03	0.01	0.02	0.05	0.05		
Col1	38	0.03	0.00	0.02	0.04	0.04		
Col1	39	0.03	0.01	0.02	0.05	0.05		
Col1	40	0.03	0.01	0.02	0.05	0.05		
Col1	41	0.03	0.00	0.02	0.04	0.04		
Col1	42	0.03	0.00	0.02	0.04	0.04		
Col1	43	0.03	0.00	0.00	0.03	0.03		
Col1	44	0.03	0.01	0.02	0.05	0.05		
Col1	45	0.03	0.00	0.02	0.04	0.04		
Col1	46	0.03	0.01	0.02	0.04	0.04		
Col1	47	0.03	0.00	0.02	0.04	0.04		
Col1	48	0.03	0.01	0.02	0.05	0.05		
Col1	49	0.03	0.00	0.02	0.04	0.04		
Col1	50	0.03	0.01	0.02	0.05	0.05		
Col1	51	0.03	0.00	0.02	0.04	0.04		
Col1	52	0.03	0.01	0.02	0.04	0.04		
Col1	53	0.03	0.01	0.02	0.04	0.04		
Col1	54	0.03	0.00	0.02	0.04	0.04		
Col1	55	0.03	0.00	0.02	0.04	0.04		
Col1	56	0.00	0.01	0.06	0.06	0.06		
Col1	57	0.00	0.01	0.06	0.06	0.06		
Col1	58	0.00	0.02	0.08	0.08	0.08		
Col1	59	0.00	0.02	0.08	0.08	0.08		
Col1	60	0.01	0.01	0.06	0.06	0.06		
Col1	61	0.01	0.02	0.08	0.08	0.08		
Col1	62	0.00	0.02	0.08	0.08	0.08		
Col1	63	0.00	0.02	0.08	0.08	0.08		
Col1	64	0.00	0.01	0.06	0.06	0.06		

			Job No	011467_RF		**Date**	3/26/2024	
			Customer	Norsteel Buildings		**Designed By**	MQZ	
			Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0				

Col1	65	0.00	0.01	0.06	0.06	0.06
Col1	66	0.00	0.02	0.08	0.08	0.08
Col1	67	0.00	0.01	0.06	0.06	0.06
Col1	68	0.00	0.01	0.06	0.06	0.06
Col1	69	0.00	0.02	0.08	0.08	0.08
Col1	70	0.00	0.01	0.06	0.06	0.06
Col1	71	0.00	0.01	0.06	0.06	0.06
Col1	72	0.00	0.02	0.08	0.08	0.08
Col1	73	0.00	0.02	0.08	0.08	0.08
Col1	74	0.01	0.01	0.06	0.06	0.06
Col1	75	0.01	0.02	0.08	0.08	0.08
Col1	76	0.00	0.02	0.08	0.08	0.08
Col1	77	0.00	0.02	0.08	0.08	0.08
Col1	78	0.00	0.01	0.06	0.06	0.06
Col1	79	0.00	0.01	0.06	0.06	0.06
Col1	80	0.01	0.02	0.08	0.08	0.08
Col1	81	0.01	0.01	0.06	0.06	0.06
Col1	82	0.01	0.01	0.06	0.06	0.06
Col1	83	0.01	0.02	0.08	0.08	0.08
Col1	84	0.01	0.01	0.06	0.06	0.06
Col1	85	0.01	0.01	0.06	0.06	0.06
Col1	86	0.01	0.02	0.08	0.08	0.08
Col1	87	0.01	0.02	0.08	0.08	0.08
Col1	88	0.02	0.01	0.06	0.06	0.06
Col1	89	0.02	0.02	0.08	0.08	0.08
Col1	90	0.01	0.02	0.08	0.08	0.08
Col1	91	0.01	0.02	0.08	0.08	0.08
Col1	92	0.01	0.01	0.06	0.06	0.06
Col1	93	0.01	0.01	0.06	0.06	0.06
Col1	94	0.01	0.02	0.08	0.08	0.08
Col1	95	0.01	0.01	0.06	0.06	0.06
Col1	96	0.01	0.01	0.06	0.06	0.06
Col1	97	0.01	0.02	0.08	0.08	0.08
Col1	98	0.00	0.01	0.06	0.06	0.06
Col1	99	0.01	0.01	0.06	0.06	0.06
Col1	100	0.00	0.02	0.08	0.08	0.08
Col1	101	0.01	0.02	0.08	0.08	0.08
Col1	102	0.00	0.01	0.06	0.06	0.06
Col1	103	0.00	0.02	0.08	0.08	0.08
Col1	104	0.01	0.02	0.08	0.08	0.08
Col1	105	0.01	0.02	0.08	0.08	0.08
Col1	106	0.01	0.01	0.06	0.06	0.06
Col1	107	0.01	0.01	0.06	0.06	0.06
Col1	108	0.00	0.02	0.08	0.08	0.08
Col1	109	0.00	0.01	0.06	0.06	0.06
Col1	110	0.00	0.01	0.06	0.06	0.06
Col1	111	0.00	0.02	0.08	0.08	0.08
Col1	112	0.00	0.01	0.06	0.06	0.06
Col1	113	0.00	0.01	0.06	0.06	0.06
Col1	114	0.00	0.02	0.08	0.08	0.08
Col1	115	0.00	0.02	0.08	0.08	0.08
Col1	116	0.01	0.01	0.06	0.06	0.06
Col1	117	0.01	0.02	0.08	0.08	0.08
Col1	118	0.00	0.02	0.08	0.08	0.08

				Job No	011467_RF		**Date**	3/26/2024	
				Customer	Norsteel Buildings		**Designed By**	MQZ	
				Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0				
Col1	119	0.00	0.02	0.08	0.08	0.08			
Col1	120	0.00	0.01	0.06	0.06	0.06			
Col1	121	0.00	0.01	0.06	0.06	0.06			
Col1	122	0.01	0.02	0.08	0.08	0.08			
Col1	123	0.00	0.01	0.06	0.06	0.06			
Col1	124	0.01	0.01	0.06	0.06	0.06			
Col1	125	0.00	0.02	0.08	0.08	0.08			
Col1	126	0.01	0.01	0.06	0.06	0.06			
Col1	127	0.00	0.01	0.06	0.06	0.06			
Col1	128	0.01	0.02	0.08	0.08	0.08			
Col1	129	0.00	0.02	0.08	0.08	0.08			
Col1	130	0.01	0.01	0.06	0.06	0.06			
Col1	131	0.01	0.02	0.08	0.08	0.08			
Col1	132	0.00	0.02	0.08	0.08	0.08			
Col1	133	0.00	0.02	0.08	0.08	0.08			
Col1	134	0.00	0.01	0.06	0.06	0.06			
Col1	135	0.00	0.01	0.06	0.06	0.06			
Col1	136	0.01	0.02	0.08	0.08	0.08			
Col1	137	0.01	0.01	0.06	0.06	0.06			
Col1	138	0.01	0.01	0.06	0.06	0.06			
Col1	139	0.01	0.02	0.08	0.08	0.08			
Col1	140	0.00	0.00	0.00	0.00	0.00			
Col1	141	0.01	0.00	0.00	0.01	0.01			
Col1	142	0.01	0.00	0.00	0.01	0.01			
Col1	143	0.01	0.00	0.00	0.01	0.01			
Col1	144	0.03	0.00	0.00	0.03	0.03			
Col1	145	0.02	0.00	0.00	0.02	0.02			
Col1	146	0.02	0.00	0.00	0.02	0.02			
Col1	147	0.02	0.00	0.00	0.02	0.02			
Col1	148	0.02	0.00	0.00	0.02	0.02			
Col1	149	0.02	0.00	0.00	0.02	0.02			
Col1	150	0.02	0.00	0.00	0.02	0.02			
Col1	151	0.02	0.00	0.00	0.02	0.02			
Col1	152	0.02	0.00	0.00	0.02	0.02			
Col1	153	0.01	0.00	0.00	0.01	0.01			
Col1	154	0.01	0.00	0.00	0.01	0.01			
Col1	155	0.01	0.00	0.00	0.01	0.01			
Col1	156	0.01	0.00	0.00	0.01	0.01			
Col1	157	0.01	0.00	0.00	0.01	0.01			
Col1	158	0.01	0.00	0.00	0.01	0.01			
Col1	159	0.01	0.00	0.00	0.01	0.01			
Col1	160	0.03	0.00	0.00	0.03	0.03			
Col1	161	0.03	0.00	0.00	0.03	0.03			
Col1	162	0.03	0.00	0.00	0.03	0.03			
Col1	163	0.03	0.00	0.00	0.03	0.03			
Col1	164	0.03	0.00	0.00	0.03	0.03			
Col1	165	0.03	0.00	0.00	0.03	0.03			
Col1	166	0.03	0.00	0.00	0.03	0.03			
Col1	167	0.03	0.00	0.00	0.03	0.03			
Col1	168	0.03	0.00	0.00	0.03	0.03			
Col1	169	0.03	0.00	0.00	0.03	0.03			
Col1	170	0.03	0.00	0.00	0.03	0.03			
Col1	171	0.03	0.00	0.00	0.03	0.03			
Col1	172	0.00	0.00	0.00	0.00	0.00			

				Job No	011467_RF		**Date**	3/26/2024	
				Customer	Norsteel Buildings		**Designed By**	MQZ	
				Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0				
Col1	173	0.00	0.00	0.00	0.00	0.00			
Col1	174	0.00	0.00	0.00	0.00	0.00			
Col1	175	0.00	0.00	0.00	0.00	0.00			
Col1	176	0.00	0.00	0.00	0.00	0.00			
Col1	177	0.00	0.00	0.00	0.00	0.00			
Col1	178	0.00	0.00	0.00	0.00	0.00			
Col1	179	0.00	0.00	0.00	0.00	0.00			
Col1	180	0.01	0.00	0.00	0.01	0.01			
Col1	181	0.01	0.00	0.00	0.01	0.01			
Col1	182	0.00	0.00	0.00	0.00	0.00			
Col1	183	0.00	0.00	0.00	0.00	0.00			
Col1	184	0.01	0.00	0.00	0.01	0.01			
Col1	185	0.01	0.00	0.00	0.01	0.01			
Col1	186	0.01	0.00	0.00	0.01	0.01			
Col1	187	0.01	0.00	0.00	0.01	0.01			
Col1	188	0.01	0.00	0.00	0.01	0.01			
Col1	189	0.01	0.00	0.00	0.01	0.01			
Col1	190	0.00	0.00	0.00	0.00	0.00			
Col1	191	0.01	0.00	0.00	0.01	0.01			
Col1	192	0.00	0.00	0.00	0.00	0.00			
Col1	193	0.00	0.00	0.00	0.00	0.00			
Col1	194	0.01	0.00	0.00	0.01	0.01			
Col1	195	0.01	0.00	0.00	0.01	0.01			
Col1	196	0.00	0.00	0.00	0.00	0.00			
Col1	197	0.00	0.00	0.00	0.00	0.00			
Col1	198	0.01	0.00	0.00	0.01	0.01			
Col1	199	0.00	0.00	0.00	0.00	0.00			
Col1	200	0.00	0.00	0.00	0.00	0.00			
Col1	201	0.00	0.00	0.00	0.00	0.00			
Col1	202	0.01	0.00	0.00	0.01	0.01			
Col1	203	0.00	0.00	0.00	0.00	0.00			
Col1	204	0.01	0.00	0.00	0.01	0.01			
Col1	205	0.01	0.00	0.00	0.01	0.01			
Col1	206	0.00	0.00	0.00	0.00	0.00			
Col1	207	0.00	0.00	0.00	0.00	0.00			
Col1	208	0.01	0.00	0.00	0.01	0.01			
Col1	209	0.01	0.00	0.00	0.01	0.01			
Col2	1	0.04	0.00	0.00	0.04	0.04			
Col2	2	0.01	0.00	0.00	0.01	0.01			
Col2	3	0.06	0.00	0.00	0.06	0.06			
Col2	4	0.04	0.01	0.04	0.06	0.06			
Col2	5	0.04	0.01	0.03	0.05	0.05			
Col2	6	0.04	0.01	0.04	0.06	0.06			
Col2	7	0.04	0.01	0.03	0.05	0.05			
Col2	8	0.04	0.01	0.04	0.07	0.07			
Col2	9	0.04	0.01	0.03	0.06	0.06			
Col2	10	0.04	0.01	0.04	0.07	0.07			
Col2	11	0.04	0.01	0.03	0.06	0.06			
Col2	12	0.03	0.01	0.04	0.06	0.06			
Col2	13	0.03	0.01	0.04	0.06	0.06			
Col2	14	0.03	0.01	0.03	0.05	0.05			
Col2	15	0.03	0.01	0.03	0.05	0.05			
Col2	16	0.04	0.00	0.00	0.04	0.04			
Col2	17	0.05	0.00	0.00	0.05	0.05			

				Job No	011467_RF		**Date**	3/26/2024	
				Customer	Norsteel Buildings		**Designed By**	MQZ	
				Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0				
Col2	18	0.03	0.01	0.04	0.06	0.06			
Col2	19	0.03	0.01	0.03	0.05	0.05			
Col2	20	0.03	0.01	0.04	0.06	0.06			
Col2	21	0.03	0.01	0.03	0.05	0.05			
Col2	22	0.03	0.01	0.04	0.06	0.06			
Col2	23	0.03	0.01	0.03	0.05	0.05			
Col2	24	0.04	0.01	0.04	0.06	0.06			
Col2	25	0.04	0.01	0.03	0.05	0.05			
Col2	26	0.03	0.01	0.04	0.06	0.06			
Col2	27	0.03	0.01	0.04	0.06	0.06			
Col2	28	0.03	0.01	0.03	0.05	0.05			
Col2	29	0.03	0.01	0.03	0.05	0.05			
Col2	30	0.08	0.00	0.00	0.08	0.08			
Col2	31	0.08	0.01	0.04	0.10	0.10			
Col2	32	0.08	0.01	0.03	0.09	0.09			
Col2	33	0.07	0.01	0.04	0.10	0.10			
Col2	34	0.07	0.01	0.03	0.09	0.09			
Col2	35	0.08	0.01	0.04	0.10	0.10			
Col2	36	0.08	0.01	0.03	0.10	0.10			
Col2	37	0.08	0.01	0.04	0.10	0.10			
Col2	38	0.08	0.01	0.03	0.10	0.10			
Col2	39	0.07	0.01	0.04	0.10	0.10			
Col2	40	0.07	0.01	0.04	0.10	0.10			
Col2	41	0.07	0.01	0.03	0.09	0.09			
Col2	42	0.07	0.01	0.03	0.09	0.09			
Col2	43	0.07	0.00	0.00	0.07	0.07			
Col2	44	0.07	0.01	0.04	0.09	0.09			
Col2	45	0.07	0.01	0.03	0.09	0.09			
Col2	46	0.07	0.01	0.04	0.09	0.09			
Col2	47	0.07	0.01	0.03	0.09	0.09			
Col2	48	0.07	0.01	0.04	0.10	0.10			
Col2	49	0.07	0.01	0.03	0.09	0.09			
Col2	50	0.07	0.01	0.04	0.10	0.10			
Col2	51	0.07	0.01	0.03	0.09	0.09			
Col2	52	0.07	0.01	0.04	0.09	0.09			
Col2	53	0.07	0.01	0.04	0.09	0.09			
Col2	54	0.07	0.01	0.03	0.08	0.08			
Col2	55	0.07	0.01	0.03	0.08	0.08			
Col2	56	0.00	0.03	0.09	0.10	0.10			
Col2	57	0.01	0.03	0.09	0.10	0.10			
Col2	58	0.00	0.04	0.13	0.14	0.14			
Col2	59	0.01	0.04	0.13	0.14	0.14			
Col2	60	0.01	0.03	0.09	0.09	0.09			
Col2	61	0.01	0.04	0.13	0.13	0.13			
Col2	62	0.01	0.04	0.13	0.14	0.14			
Col2	63	0.01	0.04	0.13	0.14	0.14			
Col2	64	0.01	0.03	0.09	0.10	0.10			
Col2	65	0.01	0.03	0.09	0.10	0.10			
Col2	66	0.01	0.04	0.13	0.13	0.13			
Col2	67	0.01	0.03	0.09	0.09	0.09			
Col2	68	0.01	0.03	0.09	0.09	0.09			
Col2	69	0.01	0.04	0.13	0.13	0.13			
Col2	70	0.00	0.03	0.09	0.09	0.09			
Col2	71	0.00	0.03	0.09	0.09	0.09			

			Job No	011467_RF		**Date**	3/26/2024	
			Customer	Norsteel Buildings		**Designed By**	MQZ	
			Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0				
Col2	72	0.00	0.04	0.13	0.13	0.13		
Col2	73	0.00	0.04	0.13	0.13	0.13		
Col2	74	0.02	0.03	0.09	0.10	0.10		
Col2	75	0.02	0.04	0.13	0.13	0.13		
Col2	76	0.01	0.04	0.13	0.14	0.14		
Col2	77	0.01	0.04	0.13	0.14	0.14		
Col2	78	0.01	0.03	0.09	0.10	0.10		
Col2	79	0.01	0.03	0.09	0.10	0.10		
Col2	80	0.02	0.04	0.13	0.13	0.13		
Col2	81	0.02	0.03	0.09	0.10	0.10		
Col2	82	0.02	0.03	0.09	0.10	0.10		
Col2	83	0.02	0.04	0.13	0.13	0.13		
Col2	84	0.02	0.03	0.09	0.09	0.09		
Col2	85	0.02	0.03	0.09	0.09	0.09		
Col2	86	0.02	0.04	0.13	0.13	0.13		
Col2	87	0.02	0.04	0.13	0.13	0.13		
Col2	88	0.03	0.03	0.09	0.11	0.11		
Col2	89	0.03	0.04	0.13	0.14	0.14		
Col2	90	0.01	0.04	0.13	0.13	0.13		
Col2	91	0.01	0.04	0.13	0.13	0.13		
Col2	92	0.01	0.03	0.09	0.09	0.09		
Col2	93	0.01	0.03	0.09	0.09	0.09		
Col2	94	0.03	0.04	0.13	0.14	0.14		
Col2	95	0.03	0.03	0.09	0.11	0.11		
Col2	96	0.03	0.03	0.09	0.11	0.11		
Col2	97	0.03	0.04	0.13	0.14	0.14		
Col2	98	0.01	0.03	0.09	0.10	0.10		
Col2	99	0.01	0.03	0.09	0.10	0.10		
Col2	100	0.01	0.04	0.13	0.14	0.14		
Col2	101	0.01	0.04	0.13	0.14	0.14		
Col2	102	0.01	0.03	0.09	0.09	0.09		
Col2	103	0.01	0.04	0.13	0.13	0.13		
Col2	104	0.01	0.04	0.13	0.15	0.15		
Col2	105	0.01	0.04	0.13	0.15	0.15		
Col2	106	0.01	0.03	0.09	0.11	0.11		
Col2	107	0.01	0.03	0.09	0.11	0.11		
Col2	108	0.00	0.04	0.13	0.13	0.13		
Col2	109	0.01	0.03	0.09	0.09	0.09		
Col2	110	0.00	0.03	0.09	0.09	0.09		
Col2	111	0.01	0.04	0.13	0.13	0.13		
Col2	112	0.00	0.03	0.09	0.09	0.09		
Col2	113	0.00	0.03	0.09	0.09	0.09		
Col2	114	0.00	0.04	0.13	0.13	0.13		
Col2	115	0.00	0.04	0.13	0.13	0.13		
Col2	116	0.02	0.03	0.09	0.09	0.09		
Col2	117	0.02	0.04	0.13	0.13	0.13		
Col2	118	0.01	0.04	0.13	0.14	0.14		
Col2	119	0.01	0.04	0.13	0.14	0.14		
Col2	120	0.01	0.03	0.09	0.10	0.10		
Col2	121	0.01	0.03	0.09	0.10	0.10		
Col2	122	0.01	0.04	0.13	0.13	0.13		
Col2	123	0.02	0.03	0.09	0.09	0.09		
Col2	124	0.01	0.03	0.09	0.09	0.09		
Col2	125	0.02	0.04	0.13	0.13	0.13		

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col2	126	0.01	0.03	0.09	0.09	0.09
Col2	127	0.01	0.03	0.09	0.09	0.09
Col2	128	0.01	0.04	0.13	0.13	0.13
Col2	129	0.01	0.04	0.13	0.13	0.13
Col2	130	0.03	0.03	0.09	0.10	0.10
Col2	131	0.03	0.04	0.13	0.14	0.14
Col2	132	0.00	0.04	0.13	0.13	0.13
Col2	133	0.00	0.04	0.13	0.13	0.13
Col2	134	0.00	0.03	0.09	0.09	0.09
Col2	135	0.00	0.03	0.09	0.09	0.09
Col2	136	0.03	0.04	0.13	0.14	0.14
Col2	137	0.03	0.03	0.09	0.10	0.10
Col2	138	0.03	0.03	0.09	0.10	0.10
Col2	139	0.03	0.04	0.13	0.14	0.14
Col2	140	0.01	0.00	0.00	0.01	0.01
Col2	141	0.02	0.00	0.00	0.02	0.02
Col2	142	0.02	0.00	0.00	0.02	0.02
Col2	143	0.03	0.00	0.00	0.03	0.03
Col2	144	0.08	0.00	0.00	0.08	0.08
Col2	145	0.05	0.00	0.00	0.05	0.05
Col2	146	0.03	0.00	0.00	0.03	0.03
Col2	147	0.04	0.00	0.00	0.04	0.04
Col2	148	0.04	0.00	0.00	0.04	0.04
Col2	149	0.04	0.00	0.00	0.04	0.04
Col2	150	0.04	0.00	0.00	0.04	0.04
Col2	151	0.03	0.00	0.00	0.03	0.03
Col2	152	0.03	0.00	0.00	0.03	0.03
Col2	153	0.03	0.00	0.00	0.03	0.03
Col2	154	0.03	0.00	0.00	0.03	0.03
Col2	155	0.03	0.00	0.00	0.03	0.03
Col2	156	0.03	0.00	0.00	0.03	0.03
Col2	157	0.04	0.00	0.00	0.04	0.04
Col2	158	0.03	0.00	0.00	0.03	0.03
Col2	159	0.03	0.00	0.00	0.03	0.03
Col2	160	0.08	0.00	0.00	0.08	0.08
Col2	161	0.07	0.00	0.00	0.07	0.07
Col2	162	0.08	0.00	0.00	0.08	0.08
Col2	163	0.08	0.00	0.00	0.08	0.08
Col2	164	0.07	0.00	0.00	0.07	0.07
Col2	165	0.07	0.00	0.00	0.07	0.07
Col2	166	0.07	0.00	0.00	0.07	0.07
Col2	167	0.07	0.00	0.00	0.07	0.07
Col2	168	0.07	0.00	0.00	0.07	0.07
Col2	169	0.07	0.00	0.00	0.07	0.07
Col2	170	0.07	0.00	0.00	0.07	0.07
Col2	171	0.07	0.00	0.00	0.07	0.07
Col2	172	0.00	0.00	0.00	0.00	0.00
Col2	173	0.01	0.00	0.00	0.01	0.01
Col2	174	0.01	0.00	0.00	0.01	0.01
Col2	175	0.01	0.00	0.00	0.01	0.01
Col2	176	0.01	0.00	0.00	0.01	0.01
Col2	177	0.01	0.00	0.00	0.01	0.01
Col2	178	0.00	0.00	0.00	0.00	0.00
Col2	179	0.00	0.00	0.00	0.00	0.00

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col2	180	0.02	0.00	0.00	0.02	0.02
Col2	181	0.02	0.00	0.00	0.02	0.02
Col2	182	0.01	0.00	0.00	0.01	0.01
Col2	183	0.01	0.00	0.00	0.01	0.01
Col2	184	0.02	0.00	0.00	0.02	0.02
Col2	185	0.02	0.00	0.00	0.02	0.02
Col2	186	0.03	0.00	0.00	0.03	0.03
Col2	187	0.03	0.00	0.00	0.03	0.03
Col2	188	0.01	0.00	0.00	0.01	0.01
Col2	189	0.01	0.00	0.00	0.01	0.01
Col2	190	0.01	0.00	0.00	0.01	0.01
Col2	191	0.01	0.00	0.00	0.01	0.01
Col2	192	0.00	0.00	0.00	0.00	0.00
Col2	193	0.01	0.00	0.00	0.01	0.01
Col2	194	0.01	0.00	0.00	0.01	0.01
Col2	195	0.01	0.00	0.00	0.01	0.01
Col2	196	0.00	0.00	0.00	0.00	0.00
Col2	197	0.00	0.00	0.00	0.00	0.00
Col2	198	0.01	0.00	0.00	0.01	0.01
Col2	199	0.02	0.00	0.00	0.02	0.02
Col2	200	0.01	0.00	0.00	0.01	0.01
Col2	201	0.01	0.00	0.00	0.01	0.01
Col2	202	0.01	0.00	0.00	0.01	0.01
Col2	203	0.01	0.00	0.00	0.01	0.01
Col2	204	0.03	0.00	0.00	0.03	0.03
Col2	205	0.03	0.00	0.00	0.03	0.03
Col2	206	0.00	0.00	0.00	0.00	0.00
Col2	207	0.00	0.00	0.00	0.00	0.00
Col2	208	0.02	0.00	0.00	0.02	0.02
Col2	209	0.03	0.00	0.00	0.03	0.03
Col3	1	0.04	0.00	0.00	0.04	0.04
Col3	2	0.01	0.00	0.00	0.01	0.01
Col3	3	0.06	0.00	0.00	0.06	0.06
Col3	4	0.04	0.01	0.03	0.06	0.06
Col3	5	0.04	0.01	0.02	0.06	0.06
Col3	6	0.03	0.01	0.03	0.06	0.06
Col3	7	0.03	0.01	0.02	0.05	0.05
Col3	8	0.05	0.01	0.03	0.07	0.07
Col3	9	0.05	0.01	0.02	0.06	0.06
Col3	10	0.04	0.01	0.03	0.06	0.06
Col3	11	0.04	0.01	0.02	0.05	0.05
Col3	12	0.03	0.01	0.03	0.06	0.06
Col3	13	0.03	0.01	0.03	0.06	0.06
Col3	14	0.03	0.01	0.02	0.05	0.05
Col3	15	0.03	0.01	0.02	0.05	0.05
Col3	16	0.04	0.00	0.00	0.04	0.04
Col3	17	0.05	0.00	0.00	0.05	0.05
Col3	18	0.04	0.01	0.03	0.06	0.06
Col3	19	0.04	0.01	0.02	0.05	0.05
Col3	20	0.03	0.01	0.03	0.05	0.05
Col3	21	0.03	0.01	0.02	0.04	0.04
Col3	22	0.04	0.01	0.03	0.06	0.06
Col3	23	0.04	0.01	0.02	0.06	0.06
Col3	24	0.03	0.01	0.03	0.06	0.06

				Job No	011467_RF		**Date**	3/26/2024	
				Customer	Norsteel Buildings		**Designed By**	MQZ	
				Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0				
Col3	25	0.03	0.01	0.02	0.05	0.05			
Col3	26	0.03	0.01	0.03	0.05	0.05			
Col3	27	0.03	0.01	0.03	0.05	0.05			
Col3	28	0.03	0.01	0.02	0.04	0.04			
Col3	29	0.03	0.01	0.02	0.04	0.04			
Col3	30	0.08	0.00	0.00	0.08	0.08			
Col3	31	0.08	0.01	0.03	0.10	0.10			
Col3	32	0.08	0.01	0.02	0.10	0.10			
Col3	33	0.07	0.01	0.03	0.09	0.09			
Col3	34	0.07	0.01	0.02	0.09	0.09			
Col3	35	0.09	0.01	0.03	0.11	0.11			
Col3	36	0.09	0.01	0.02	0.10	0.10			
Col3	37	0.08	0.01	0.03	0.10	0.10			
Col3	38	0.08	0.01	0.02	0.09	0.09			
Col3	39	0.07	0.01	0.03	0.09	0.09			
Col3	40	0.07	0.01	0.03	0.09	0.09			
Col3	41	0.07	0.01	0.02	0.09	0.09			
Col3	42	0.07	0.01	0.02	0.09	0.09			
Col3	43	0.07	0.00	0.00	0.07	0.07			
Col3	44	0.08	0.01	0.03	0.10	0.10			
Col3	45	0.08	0.01	0.02	0.09	0.09			
Col3	46	0.07	0.01	0.03	0.09	0.09			
Col3	47	0.07	0.01	0.02	0.08	0.08			
Col3	48	0.08	0.01	0.03	0.10	0.10			
Col3	49	0.08	0.01	0.02	0.09	0.09			
Col3	50	0.07	0.01	0.03	0.09	0.09			
Col3	51	0.07	0.01	0.02	0.09	0.09			
Col3	52	0.07	0.01	0.03	0.09	0.09			
Col3	53	0.07	0.01	0.03	0.09	0.09			
Col3	54	0.07	0.01	0.02	0.08	0.08			
Col3	55	0.07	0.01	0.02	0.08	0.08			
Col3	56	0.02	0.02	0.08	0.08	0.08			
Col3	57	0.01	0.02	0.08	0.09	0.09			
Col3	58	0.02	0.03	0.12	0.12	0.12			
Col3	59	0.01	0.03	0.12	0.13	0.13			
Col3	60	0.01	0.02	0.08	0.08	0.08			
Col3	61	0.01	0.03	0.12	0.12	0.12			
Col3	62	0.01	0.03	0.12	0.12	0.12			
Col3	63	0.01	0.03	0.12	0.12	0.12			
Col3	64	0.01	0.02	0.08	0.09	0.09			
Col3	65	0.01	0.02	0.08	0.09	0.09			
Col3	66	0.03	0.03	0.12	0.13	0.13			
Col3	67	0.00	0.02	0.08	0.08	0.08			
Col3	68	0.03	0.02	0.08	0.10	0.10			
Col3	69	0.00	0.03	0.12	0.12	0.12			
Col3	70	0.03	0.02	0.08	0.09	0.09			
Col3	71	0.01	0.02	0.08	0.09	0.09			
Col3	72	0.03	0.03	0.12	0.12	0.12			
Col3	73	0.01	0.03	0.12	0.12	0.12			
Col3	74	0.02	0.02	0.08	0.09	0.09			
Col3	75	0.02	0.03	0.12	0.12	0.12			
Col3	76	0.00	0.03	0.12	0.12	0.12			
Col3	77	0.00	0.03	0.12	0.12	0.12			
Col3	78	0.00	0.02	0.08	0.08	0.08			

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col3	79	0.00	0.02	0.08	0.08	0.08
Col3	80	0.04	0.03	0.12	0.13	0.13
Col3	81	0.01	0.02	0.08	0.08	0.08
Col3	82	0.04	0.02	0.08	0.10	0.10
Col3	83	0.01	0.03	0.12	0.12	0.12
Col3	84	0.04	0.02	0.08	0.10	0.10
Col3	85	0.01	0.02	0.08	0.08	0.08
Col3	86	0.04	0.03	0.12	0.13	0.13
Col3	87	0.01	0.03	0.12	0.12	0.12
Col3	88	0.03	0.02	0.08	0.10	0.10
Col3	89	0.03	0.03	0.12	0.13	0.13
Col3	90	0.01	0.03	0.12	0.12	0.12
Col3	91	0.01	0.03	0.12	0.12	0.12
Col3	92	0.01	0.02	0.08	0.08	0.08
Col3	93	0.01	0.02	0.08	0.08	0.08
Col3	94	0.05	0.03	0.12	0.15	0.15
Col3	95	0.02	0.02	0.08	0.09	0.09
Col3	96	0.05	0.02	0.08	0.12	0.12
Col3	97	0.02	0.03	0.12	0.12	0.12
Col3	98	0.01	0.02	0.08	0.08	0.08
Col3	99	0.01	0.02	0.08	0.09	0.09
Col3	100	0.01	0.03	0.12	0.12	0.12
Col3	101	0.01	0.03	0.12	0.13	0.13
Col3	102	0.01	0.02	0.08	0.08	0.08
Col3	103	0.01	0.03	0.12	0.12	0.12
Col3	104	0.01	0.03	0.12	0.13	0.13
Col3	105	0.01	0.03	0.12	0.13	0.13
Col3	106	0.01	0.02	0.08	0.09	0.09
Col3	107	0.01	0.02	0.08	0.09	0.09
Col3	108	0.02	0.03	0.12	0.12	0.12
Col3	109	0.00	0.02	0.08	0.09	0.09
Col3	110	0.02	0.02	0.08	0.09	0.09
Col3	111	0.00	0.03	0.12	0.12	0.12
Col3	112	0.02	0.02	0.08	0.09	0.09
Col3	113	0.01	0.02	0.08	0.09	0.09
Col3	114	0.02	0.03	0.12	0.12	0.12
Col3	115	0.01	0.03	0.12	0.12	0.12
Col3	116	0.02	0.02	0.08	0.08	0.08
Col3	117	0.02	0.03	0.12	0.12	0.12
Col3	118	0.00	0.03	0.12	0.12	0.12
Col3	119	0.00	0.03	0.12	0.12	0.12
Col3	120	0.00	0.02	0.08	0.08	0.08
Col3	121	0.00	0.02	0.08	0.08	0.08
Col3	122	0.03	0.03	0.12	0.13	0.13
Col3	123	0.00	0.02	0.08	0.08	0.08
Col3	124	0.03	0.02	0.08	0.10	0.10
Col3	125	0.00	0.03	0.12	0.12	0.12
Col3	126	0.03	0.02	0.08	0.10	0.10
Col3	127	0.00	0.02	0.08	0.08	0.08
Col3	128	0.03	0.03	0.12	0.13	0.13
Col3	129	0.00	0.03	0.12	0.12	0.12
Col3	130	0.03	0.02	0.08	0.09	0.09
Col3	131	0.03	0.03	0.12	0.12	0.12
Col3	132	0.01	0.03	0.12	0.12	0.12

				Job No	011467_RF		**Date**	3/26/2024	
				Customer	Norsteel Buildings		**Designed By**	MQZ	
				Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0				
Col3	133	0.01	0.03	0.12	0.12	0.12			
Col3	134	0.01	0.02	0.08	0.08	0.08			
Col3	135	0.01	0.02	0.08	0.08	0.08			
Col3	136	0.05	0.03	0.12	0.14	0.14			
Col3	137	0.02	0.02	0.08	0.08	0.08			
Col3	138	0.05	0.02	0.08	0.11	0.11			
Col3	139	0.02	0.03	0.12	0.12	0.12			
Col3	140	0.02	0.00	0.00	0.02	0.02			
Col3	141	0.01	0.00	0.00	0.01	0.01			
Col3	142	0.03	0.00	0.00	0.03	0.03			
Col3	143	0.02	0.00	0.00	0.02	0.02			
Col3	144	0.05	0.00	0.00	0.05	0.05			
Col3	145	0.08	0.00	0.00	0.08	0.08			
Col3	146	0.03	0.00	0.00	0.03	0.03			
Col3	147	0.04	0.00	0.00	0.04	0.04			
Col3	148	0.03	0.00	0.00	0.03	0.03			
Col3	149	0.05	0.00	0.00	0.05	0.05			
Col3	150	0.04	0.00	0.00	0.04	0.04			
Col3	151	0.03	0.00	0.00	0.03	0.03			
Col3	152	0.03	0.00	0.00	0.03	0.03			
Col3	153	0.03	0.00	0.00	0.03	0.03			
Col3	154	0.04	0.00	0.00	0.04	0.04			
Col3	155	0.03	0.00	0.00	0.03	0.03			
Col3	156	0.04	0.00	0.00	0.04	0.04			
Col3	157	0.03	0.00	0.00	0.03	0.03			
Col3	158	0.03	0.00	0.00	0.03	0.03			
Col3	159	0.03	0.00	0.00	0.03	0.03			
Col3	160	0.08	0.00	0.00	0.08	0.08			
Col3	161	0.07	0.00	0.00	0.07	0.07			
Col3	162	0.09	0.00	0.00	0.09	0.09			
Col3	163	0.08	0.00	0.00	0.08	0.08			
Col3	164	0.07	0.00	0.00	0.07	0.07			
Col3	165	0.07	0.00	0.00	0.07	0.07			
Col3	166	0.08	0.00	0.00	0.08	0.08			
Col3	167	0.07	0.00	0.00	0.07	0.07			
Col3	168	0.08	0.00	0.00	0.08	0.08			
Col3	169	0.07	0.00	0.00	0.07	0.07			
Col3	170	0.07	0.00	0.00	0.07	0.07			
Col3	171	0.07	0.00	0.00	0.07	0.07			
Col3	172	0.02	0.00	0.00	0.02	0.02			
Col3	173	0.01	0.00	0.00	0.01	0.01			
Col3	174	0.03	0.00	0.00	0.03	0.03			
Col3	175	0.00	0.00	0.00	0.00	0.00			
Col3	176	0.01	0.00	0.00	0.01	0.01			
Col3	177	0.01	0.00	0.00	0.01	0.01			
Col3	178	0.03	0.00	0.00	0.03	0.03			
Col3	179	0.01	0.00	0.00	0.01	0.01			
Col3	180	0.04	0.00	0.00	0.04	0.04			
Col3	181	0.01	0.00	0.00	0.01	0.01			
Col3	182	0.00	0.00	0.00	0.00	0.00			
Col3	183	0.00	0.00	0.00	0.00	0.00			
Col3	184	0.04	0.00	0.00	0.04	0.04			
Col3	185	0.01	0.00	0.00	0.01	0.01			
Col3	186	0.05	0.00	0.00	0.05	0.05			

			Job No	011467_RF		**Date**	3/26/2024		
			Customer	Norsteel Buildings		**Designed By**	MQZ		
			Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0					
Col3	187	0.02	0.00	0.00	0.02	0.02			
Col3	188	0.01	0.00	0.00	0.01	0.01			
Col3	189	0.01	0.00	0.00	0.01	0.01			
Col3	190	0.01	0.00	0.00	0.01	0.01			
Col3	191	0.01	0.00	0.00	0.01	0.01			
Col3	192	0.02	0.00	0.00	0.02	0.02			
Col3	193	0.00	0.00	0.00	0.00	0.00			
Col3	194	0.01	0.00	0.00	0.01	0.01			
Col3	195	0.01	0.00	0.00	0.01	0.01			
Col3	196	0.02	0.00	0.00	0.02	0.02			
Col3	197	0.01	0.00	0.00	0.01	0.01			
Col3	198	0.03	0.00	0.00	0.03	0.03			
Col3	199	0.00	0.00	0.00	0.00	0.00			
Col3	200	0.00	0.00	0.00	0.00	0.00			
Col3	201	0.00	0.00	0.00	0.00	0.00			
Col3	202	0.03	0.00	0.00	0.03	0.03			
Col3	203	0.00	0.00	0.00	0.00	0.00			
Col3	204	0.05	0.00	0.00	0.05	0.05			
Col3	205	0.02	0.00	0.00	0.02	0.02			
Col3	206	0.01	0.00	0.00	0.01	0.01			
Col3	207	0.01	0.00	0.00	0.01	0.01			
Col3	208	0.03	0.00	0.00	0.03	0.03			
Col3	209	0.02	0.00	0.00	0.02	0.02			
Col4	1	0.02	0.00	0.00	0.02	0.02			
Col4	2	0.01	0.00	0.00	0.01	0.01			
Col4	3	0.02	0.00	0.00	0.02	0.02			
Col4	4	0.02	0.00	0.02	0.03	0.03			
Col4	5	0.02	0.00	0.01	0.02	0.02			
Col4	6	0.01	0.00	0.02	0.03	0.03			
Col4	7	0.01	0.00	0.01	0.02	0.02			
Col4	8	0.02	0.00	0.02	0.03	0.03			
Col4	9	0.02	0.00	0.01	0.02	0.02			
Col4	10	0.02	0.00	0.02	0.03	0.03			
Col4	11	0.02	0.00	0.01	0.02	0.02			
Col4	12	0.01	0.00	0.02	0.02	0.02			
Col4	13	0.01	0.00	0.02	0.02	0.02			
Col4	14	0.01	0.00	0.01	0.02	0.02			
Col4	15	0.01	0.00	0.01	0.02	0.02			
Col4	16	0.01	0.00	0.00	0.01	0.01			
Col4	17	0.02	0.00	0.00	0.02	0.02			
Col4	18	0.01	0.00	0.02	0.02	0.02			
Col4	19	0.01	0.00	0.01	0.02	0.02			
Col4	20	0.01	0.00	0.02	0.02	0.02			
Col4	21	0.01	0.00	0.01	0.02	0.02			
Col4	22	0.01	0.00	0.02	0.03	0.03			
Col4	23	0.01	0.00	0.01	0.02	0.02			
Col4	24	0.01	0.00	0.02	0.02	0.02			
Col4	25	0.01	0.00	0.01	0.02	0.02			
Col4	26	0.01	0.00	0.02	0.02	0.02			
Col4	27	0.01	0.00	0.02	0.02	0.02			
Col4	28	0.01	0.00	0.01	0.02	0.02			
Col4	29	0.01	0.00	0.01	0.02	0.02			
Col4	30	0.03	0.00	0.00	0.03	0.03			
Col4	31	0.03	0.00	0.02	0.04	0.04			

				Job No	011467_RF		**Date**	3/26/2024	
				Customer	Norsteel Buildings		**Designed By**	MQZ	
				Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0				
Col4	32	0.03	0.00	0.01	0.04	0.04			
Col4	33	0.03	0.00	0.02	0.04	0.04			
Col4	34	0.03	0.00	0.01	0.04	0.04			
Col4	35	0.03	0.00	0.02	0.04	0.04			
Col4	36	0.03	0.00	0.01	0.04	0.04			
Col4	37	0.03	0.00	0.02	0.04	0.04			
Col4	38	0.03	0.00	0.01	0.04	0.04			
Col4	39	0.03	0.00	0.02	0.04	0.04			
Col4	40	0.03	0.00	0.02	0.04	0.04			
Col4	41	0.03	0.00	0.01	0.04	0.04			
Col4	42	0.03	0.00	0.01	0.04	0.04			
Col4	43	0.03	0.00	0.00	0.03	0.03			
Col4	44	0.03	0.00	0.02	0.04	0.04			
Col4	45	0.03	0.00	0.01	0.03	0.03			
Col4	46	0.03	0.00	0.02	0.04	0.04			
Col4	47	0.03	0.00	0.01	0.03	0.03			
Col4	48	0.03	0.00	0.02	0.04	0.04			
Col4	49	0.03	0.00	0.01	0.04	0.04			
Col4	50	0.03	0.00	0.02	0.04	0.04			
Col4	51	0.03	0.00	0.01	0.04	0.04			
Col4	52	0.03	0.00	0.02	0.04	0.04			
Col4	53	0.03	0.00	0.02	0.04	0.04			
Col4	54	0.03	0.00	0.01	0.03	0.03			
Col4	55	0.03	0.00	0.01	0.03	0.03			
Col4	56	0.00	0.01	0.04	0.04	0.04			
Col4	57	0.00	0.01	0.04	0.04	0.04			
Col4	58	0.00	0.02	0.05	0.06	0.06			
Col4	59	0.00	0.02	0.05	0.06	0.06			
Col4	60	0.01	0.01	0.04	0.04	0.04			
Col4	61	0.01	0.02	0.05	0.05	0.05			
Col4	62	0.00	0.02	0.05	0.06	0.06			
Col4	63	0.00	0.02	0.05	0.06	0.06			
Col4	64	0.00	0.01	0.04	0.04	0.04			
Col4	65	0.00	0.01	0.04	0.04	0.04			
Col4	66	0.01	0.02	0.05	0.05	0.05			
Col4	67	0.00	0.01	0.04	0.04	0.04			
Col4	68	0.01	0.01	0.04	0.04	0.04			
Col4	69	0.00	0.02	0.05	0.05	0.05			
Col4	70	0.00	0.01	0.04	0.04	0.04			
Col4	71	0.00	0.01	0.04	0.04	0.04			
Col4	72	0.00	0.02	0.05	0.05	0.05			
Col4	73	0.00	0.02	0.05	0.06	0.06			
Col4	74	0.01	0.01	0.04	0.04	0.04			
Col4	75	0.01	0.02	0.05	0.05	0.05			
Col4	76	0.00	0.02	0.05	0.06	0.06			
Col4	77	0.00	0.02	0.05	0.06	0.06			
Col4	78	0.00	0.01	0.04	0.04	0.04			
Col4	79	0.00	0.01	0.04	0.04	0.04			
Col4	80	0.01	0.02	0.05	0.05	0.05			
Col4	81	0.01	0.01	0.04	0.04	0.04			
Col4	82	0.01	0.01	0.04	0.04	0.04			
Col4	83	0.01	0.02	0.05	0.05	0.05			
Col4	84	0.01	0.01	0.04	0.04	0.04			
Col4	85	0.00	0.01	0.04	0.04	0.04			

				Job No	011467_RF		**Date**	3/26/2024	
				Customer	Norsteel Buildings		**Designed By**	MQZ	
				Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0				
Col4	86	0.01	0.02	0.05	0.05	0.05			
Col4	87	0.00	0.02	0.05	0.05	0.05			
Col4	88	0.01	0.01	0.04	0.04	0.04			
Col4	89	0.01	0.02	0.05	0.06	0.06			
Col4	90	0.00	0.02	0.05	0.05	0.05			
Col4	91	0.00	0.02	0.05	0.05	0.05			
Col4	92	0.00	0.01	0.04	0.04	0.04			
Col4	93	0.00	0.01	0.04	0.04	0.04			
Col4	94	0.01	0.02	0.05	0.06	0.06			
Col4	95	0.01	0.01	0.04	0.04	0.04			
Col4	96	0.01	0.01	0.04	0.04	0.04			
Col4	97	0.01	0.02	0.05	0.06	0.06			
Col4	98	0.00	0.01	0.04	0.04	0.04			
Col4	99	0.01	0.01	0.04	0.04	0.04			
Col4	100	0.00	0.02	0.05	0.06	0.06			
Col4	101	0.01	0.02	0.05	0.06	0.06			
Col4	102	0.00	0.01	0.04	0.04	0.04			
Col4	103	0.00	0.02	0.05	0.05	0.05			
Col4	104	0.01	0.02	0.05	0.06	0.06			
Col4	105	0.01	0.02	0.05	0.06	0.06			
Col4	106	0.01	0.01	0.04	0.04	0.04			
Col4	107	0.01	0.01	0.04	0.04	0.04			
Col4	108	0.00	0.02	0.05	0.05	0.05			
Col4	109	0.00	0.01	0.04	0.04	0.04			
Col4	110	0.00	0.01	0.04	0.04	0.04			
Col4	111	0.00	0.02	0.05	0.06	0.06			
Col4	112	0.00	0.01	0.04	0.04	0.04			
Col4	113	0.00	0.01	0.04	0.04	0.04			
Col4	114	0.00	0.02	0.05	0.06	0.06			
Col4	115	0.00	0.02	0.05	0.06	0.06			
Col4	116	0.01	0.01	0.04	0.04	0.04			
Col4	117	0.01	0.02	0.05	0.05	0.05			
Col4	118	0.00	0.02	0.05	0.06	0.06			
Col4	119	0.00	0.02	0.05	0.06	0.06			
Col4	120	0.00	0.01	0.04	0.04	0.04			
Col4	121	0.00	0.01	0.04	0.04	0.04			
Col4	122	0.01	0.02	0.05	0.05	0.05			
Col4	123	0.00	0.01	0.04	0.04	0.04			
Col4	124	0.01	0.01	0.04	0.04	0.04			
Col4	125	0.00	0.02	0.05	0.05	0.05			
Col4	126	0.00	0.01	0.04	0.04	0.04			
Col4	127	0.00	0.01	0.04	0.04	0.04			
Col4	128	0.00	0.02	0.05	0.05	0.05			
Col4	129	0.00	0.02	0.05	0.05	0.05			
Col4	130	0.01	0.01	0.04	0.04	0.04			
Col4	131	0.01	0.02	0.05	0.06	0.06			
Col4	132	0.00	0.02	0.05	0.05	0.05			
Col4	133	0.00	0.02	0.05	0.05	0.05			
Col4	134	0.00	0.01	0.04	0.04	0.04			
Col4	135	0.00	0.01	0.04	0.04	0.04			
Col4	136	0.01	0.02	0.05	0.06	0.06			
Col4	137	0.01	0.01	0.04	0.04	0.04			
Col4	138	0.01	0.01	0.04	0.04	0.04			
Col4	139	0.01	0.02	0.05	0.05	0.05			

				Job No	011467_RF		**Date**	3/26/2024	
				Customer	Norsteel Buildings		**Designed By**	MQZ	
				Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0				
Col4	140	0.00	0.00	0.00	0.00	0.00			
Col4	141	0.00	0.00	0.00	0.00	0.00			
Col4	142	0.01	0.00	0.00	0.01	0.01			
Col4	143	0.01	0.00	0.00	0.01	0.01			
Col4	144	0.02	0.00	0.00	0.02	0.02			
Col4	145	0.03	0.00	0.00	0.03	0.03			
Col4	146	0.01	0.00	0.00	0.01	0.01			
Col4	147	0.02	0.00	0.00	0.02	0.02			
Col4	148	0.01	0.00	0.00	0.01	0.01			
Col4	149	0.02	0.00	0.00	0.02	0.02			
Col4	150	0.02	0.00	0.00	0.02	0.02			
Col4	151	0.01	0.00	0.00	0.01	0.01			
Col4	152	0.01	0.00	0.00	0.01	0.01			
Col4	153	0.01	0.00	0.00	0.01	0.01			
Col4	154	0.01	0.00	0.00	0.01	0.01			
Col4	155	0.01	0.00	0.00	0.01	0.01			
Col4	156	0.01	0.00	0.00	0.01	0.01			
Col4	157	0.01	0.00	0.00	0.01	0.01			
Col4	158	0.01	0.00	0.00	0.01	0.01			
Col4	159	0.01	0.00	0.00	0.01	0.01			
Col4	160	0.03	0.00	0.00	0.03	0.03			
Col4	161	0.03	0.00	0.00	0.03	0.03			
Col4	162	0.03	0.00	0.00	0.03	0.03			
Col4	163	0.03	0.00	0.00	0.03	0.03			
Col4	164	0.03	0.00	0.00	0.03	0.03			
Col4	165	0.03	0.00	0.00	0.03	0.03			
Col4	166	0.03	0.00	0.00	0.03	0.03			
Col4	167	0.03	0.00	0.00	0.03	0.03			
Col4	168	0.03	0.00	0.00	0.03	0.03			
Col4	169	0.03	0.00	0.00	0.03	0.03			
Col4	170	0.03	0.00	0.00	0.03	0.03			
Col4	171	0.03	0.00	0.00	0.03	0.03			
Col4	172	0.00	0.00	0.00	0.00	0.00			
Col4	173	0.00	0.00	0.00	0.00	0.00			
Col4	174	0.01	0.00	0.00	0.01	0.01			
Col4	175	0.00	0.00	0.00	0.00	0.00			
Col4	176	0.00	0.00	0.00	0.00	0.00			
Col4	177	0.00	0.00	0.00	0.00	0.00			
Col4	178	0.00	0.00	0.00	0.00	0.00			
Col4	179	0.00	0.00	0.00	0.00	0.00			
Col4	180	0.01	0.00	0.00	0.01	0.01			
Col4	181	0.01	0.00	0.00	0.01	0.01			
Col4	182	0.00	0.00	0.00	0.00	0.00			
Col4	183	0.00	0.00	0.00	0.00	0.00			
Col4	184	0.01	0.00	0.00	0.01	0.01			
Col4	185	0.00	0.00	0.00	0.00	0.00			
Col4	186	0.01	0.00	0.00	0.01	0.01			
Col4	187	0.01	0.00	0.00	0.01	0.01			
Col4	188	0.00	0.00	0.00	0.00	0.00			
Col4	189	0.00	0.00	0.00	0.00	0.00			
Col4	190	0.00	0.00	0.00	0.00	0.00			
Col4	191	0.01	0.00	0.00	0.01	0.01			
Col4	192	0.00	0.00	0.00	0.00	0.00			
Col4	193	0.00	0.00	0.00	0.00	0.00			

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col4	194	0.01	0.00	0.00	0.01		0.01
Col4	195	0.01	0.00	0.00	0.01		0.01
Col4	196	0.00	0.00	0.00	0.00		0.00
Col4	197	0.00	0.00	0.00	0.00		0.00
Col4	198	0.01	0.00	0.00	0.01		0.01
Col4	199	0.00	0.00	0.00	0.00		0.00
Col4	200	0.00	0.00	0.00	0.00		0.00
Col4	201	0.00	0.00	0.00	0.00		0.00
Col4	202	0.00	0.00	0.00	0.00		0.00
Col4	203	0.00	0.00	0.00	0.00		0.00
Col4	204	0.01	0.00	0.00	0.01		0.01
Col4	205	0.01	0.00	0.00	0.01		0.01
Col4	206	0.00	0.00	0.00	0.00		0.00
Col4	207	0.00	0.00	0.00	0.00		0.00
Col4	208	0.01	0.00	0.00	0.01		0.01
Col4	209	0.01	0.00	0.00	0.01		0.01
Raf1	1	0.00	0.04	0.07	0.07		0.07
Raf1	2	0.00	0.01	0.02	0.02		0.02
Raf1	3	0.00	0.05	0.10	0.10		0.10
Raf1	4	0.00	0.03	0.06	0.06		0.06
Raf1	5	0.00	0.03	0.06	0.06		0.06
Raf1	6	0.00	0.03	0.06	0.06		0.06
Raf1	7	0.00	0.03	0.06	0.06		0.06
Raf1	8	0.00	0.04	0.07	0.07		0.07
Raf1	9	0.00	0.04	0.07	0.07		0.07
Raf1	10	0.00	0.03	0.07	0.07		0.07
Raf1	11	0.00	0.03	0.07	0.07		0.07
Raf1	12	0.00	0.03	0.06	0.06		0.06
Raf1	13	0.00	0.03	0.06	0.06		0.06
Raf1	14	0.00	0.03	0.06	0.06		0.06
Raf1	15	0.00	0.03	0.06	0.06		0.06
Raf1	16	0.00	0.03	0.06	0.06		0.06
Raf1	17	0.00	0.05	0.09	0.09		0.09
Raf1	18	0.00	0.03	0.05	0.05		0.05
Raf1	19	0.00	0.03	0.05	0.05		0.05
Raf1	20	0.00	0.02	0.05	0.05		0.05
Raf1	21	0.00	0.02	0.05	0.05		0.05
Raf1	22	0.00	0.03	0.06	0.06		0.06
Raf1	23	0.00	0.03	0.06	0.06		0.06
Raf1	24	0.00	0.03	0.06	0.06		0.06
Raf1	25	0.00	0.03	0.06	0.06		0.06
Raf1	26	0.00	0.02	0.05	0.05		0.05
Raf1	27	0.00	0.02	0.05	0.05		0.05
Raf1	28	0.00	0.02	0.05	0.05		0.05
Raf1	29	0.00	0.02	0.05	0.05		0.05
Raf1	30	0.00	0.07	0.15	0.15		0.15
Raf1	31	0.00	0.07	0.14	0.14		0.14
Raf1	32	0.00	0.07	0.14	0.14		0.14
Raf1	33	0.00	0.07	0.13	0.14		0.14
Raf1	34	0.00	0.07	0.13	0.14		0.14
Raf1	35	0.00	0.07	0.15	0.15		0.15
Raf1	36	0.00	0.07	0.15	0.15		0.15
Raf1	37	0.00	0.07	0.14	0.14		0.14

			Job No	011467_RF		**Date**	3/26/2024		
			Customer	Norsteel Buildings		**Designed By**	MQZ		
			Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0					
Raf1	38	0.00	0.07	0.14	0.14	0.14			
Raf1	39	0.00	0.07	0.13	0.14	0.14			
Raf1	40	0.00	0.07	0.13	0.14	0.14			
Raf1	41	0.00	0.07	0.13	0.14	0.14			
Raf1	42	0.00	0.07	0.13	0.14	0.14			
Raf1	43	0.00	0.07	0.14	0.14	0.14			
Raf1	44	0.00	0.06	0.13	0.13	0.13			
Raf1	45	0.00	0.06	0.13	0.13	0.13			
Raf1	46	0.00	0.06	0.12	0.13	0.13			
Raf1	47	0.00	0.06	0.12	0.13	0.13			
Raf1	48	0.00	0.07	0.14	0.14	0.14			
Raf1	49	0.00	0.07	0.14	0.14	0.14			
Raf1	50	0.00	0.07	0.13	0.13	0.13			
Raf1	51	0.00	0.07	0.13	0.13	0.13			
Raf1	52	0.00	0.06	0.12	0.13	0.13			
Raf1	53	0.00	0.06	0.12	0.13	0.13			
Raf1	54	0.00	0.06	0.12	0.13	0.13			
Raf1	55	0.00	0.06	0.12	0.13	0.13			
Raf1	56	0.00	0.01	0.02	0.02	0.02			
Raf1	57	0.01	0.02	0.04	0.04	0.04			
Raf1	58	0.00	0.01	0.02	0.02	0.02			
Raf1	59	0.01	0.02	0.04	0.04	0.04			
Raf1	60	0.00	0.01	0.02	0.02	0.02			
Raf1	61	0.00	0.01	0.02	0.02	0.02			
Raf1	62	0.01	0.02	0.04	0.04	0.04			
Raf1	63	0.01	0.02	0.04	0.04	0.04			
Raf1	64	0.01	0.02	0.04	0.04	0.04			
Raf1	65	0.01	0.02	0.04	0.04	0.04			
Raf1	66	0.01	0.01	0.01	0.02	0.02			
Raf1	67	0.00	0.00	0.01	0.01	0.01			
Raf1	68	0.01	0.01	0.01	0.02	0.02			
Raf1	69	0.00	0.00	0.01	0.01	0.01			
Raf1	70	0.00	0.00	0.00	0.01	0.01			
Raf1	71	0.01	0.01	0.02	0.02	0.02			
Raf1	72	0.00	0.00	0.00	0.01	0.01			
Raf1	73	0.01	0.01	0.02	0.02	0.02			
Raf1	74	0.00	0.02	0.04	0.04	0.04			
Raf1	75	0.00	0.02	0.04	0.04	0.04			
Raf1	76	0.01	0.01	0.02	0.02	0.02			
Raf1	77	0.01	0.01	0.02	0.02	0.02			
Raf1	78	0.01	0.01	0.02	0.02	0.02			
Raf1	79	0.01	0.01	0.02	0.02	0.02			
Raf1	80	0.01	0.02	0.03	0.04	0.04			
Raf1	81	0.00	0.01	0.01	0.01	0.01			
Raf1	82	0.01	0.02	0.03	0.04	0.04			
Raf1	83	0.00	0.01	0.01	0.01	0.01			
Raf1	84	0.00	0.01	0.03	0.03	0.03			
Raf1	85	0.01	0.00	0.01	0.01	0.01			
Raf1	86	0.00	0.01	0.03	0.03	0.03			
Raf1	87	0.01	0.00	0.01	0.01	0.01			
Raf1	88	0.00	0.03	0.06	0.06	0.06			
Raf1	89	0.00	0.03	0.06	0.06	0.06			
Raf1	90	0.01	0.00	0.01	0.01	0.01			
Raf1	91	0.01	0.00	0.01	0.01	0.01			

				Job No	011467_RF		**Date**	3/26/2024	
				Customer	Norsteel Buildings		**Designed By**	MQZ	
				Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0				

Raf1	92	0.01	0.00	0.01	0.01	0.01
Raf1	93	0.01	0.00	0.01	0.01	0.01
Raf1	94	0.01	0.03	0.06	0.06	0.06
Raf1	95	0.00	0.02	0.04	0.04	0.04
Raf1	96	0.01	0.03	0.06	0.06	0.06
Raf1	97	0.00	0.02	0.04	0.04	0.04
Raf1	98	0.00	0.01	0.03	0.03	0.03
Raf1	99	0.01	0.02	0.05	0.05	0.05
Raf1	100	0.00	0.01	0.03	0.03	0.03
Raf1	101	0.01	0.02	0.05	0.05	0.05
Raf1	102	0.00	0.00	0.01	0.01	0.01
Raf1	103	0.00	0.00	0.01	0.01	0.01
Raf1	104	0.01	0.02	0.05	0.05	0.05
Raf1	105	0.01	0.02	0.05	0.05	0.05
Raf1	106	0.01	0.02	0.05	0.05	0.05
Raf1	107	0.01	0.02	0.05	0.05	0.05
Raf1	108	0.01	0.00	0.00	0.01	0.01
Raf1	109	0.00	0.01	0.02	0.02	0.02
Raf1	110	0.01	0.00	0.00	0.01	0.01
Raf1	111	0.00	0.01	0.02	0.02	0.02
Raf1	112	0.00	0.00	0.01	0.01	0.01
Raf1	113	0.01	0.01	0.03	0.03	0.03
Raf1	114	0.00	0.00	0.01	0.01	0.01
Raf1	115	0.01	0.01	0.03	0.03	0.03
Raf1	116	0.00	0.01	0.03	0.03	0.03
Raf1	117	0.00	0.01	0.03	0.03	0.03
Raf1	118	0.01	0.01	0.03	0.03	0.03
Raf1	119	0.01	0.01	0.03	0.03	0.03
Raf1	120	0.01	0.01	0.03	0.03	0.03
Raf1	121	0.01	0.01	0.03	0.03	0.03
Raf1	122	0.01	0.01	0.02	0.03	0.03
Raf1	123	0.00	0.00	0.00	0.00	0.00
Raf1	124	0.01	0.01	0.02	0.03	0.03
Raf1	125	0.00	0.00	0.00	0.00	0.00
Raf1	126	0.00	0.01	0.02	0.02	0.02
Raf1	127	0.01	0.00	0.00	0.01	0.01
Raf1	128	0.00	0.01	0.02	0.02	0.02
Raf1	129	0.01	0.00	0.00	0.01	0.01
Raf1	130	0.00	0.03	0.05	0.05	0.05
Raf1	131	0.00	0.03	0.05	0.05	0.05
Raf1	132	0.01	0.00	0.00	0.01	0.01
Raf1	133	0.01	0.00	0.00	0.01	0.01
Raf1	134	0.01	0.00	0.00	0.01	0.01
Raf1	135	0.01	0.00	0.00	0.01	0.01
Raf1	136	0.01	0.02	0.05	0.05	0.05
Raf1	137	0.00	0.01	0.03	0.03	0.03
Raf1	138	0.01	0.02	0.05	0.05	0.05
Raf1	139	0.00	0.01	0.03	0.03	0.03
Raf1	140	0.00	0.01	0.01	0.01	0.01
Raf1	141	0.00	0.01	0.01	0.01	0.01
Raf1	142	0.00	0.02	0.03	0.03	0.03
Raf1	143	0.00	0.02	0.04	0.04	0.04
Raf1	144	0.00	0.07	0.15	0.15	0.15
Raf1	145	0.00	0.04	0.08	0.08	0.08

				Job No	011467_RF		**Date**	3/26/2024	
				Customer	Norsteel Buildings		**Designed By**	MQZ	
				Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0				

Raf1	146	0.00	0.03	0.06	0.06	0.06
Raf1	147	0.00	0.03	0.06	0.06	0.06
Raf1	148	0.00	0.03	0.06	0.06	0.06
Raf1	149	0.00	0.04	0.07	0.07	0.07
Raf1	150	0.00	0.03	0.07	0.07	0.07
Raf1	151	0.00	0.03	0.06	0.06	0.06
Raf1	152	0.00	0.03	0.06	0.06	0.06
Raf1	153	0.00	0.03	0.05	0.05	0.05
Raf1	154	0.00	0.03	0.05	0.05	0.05
Raf1	155	0.00	0.02	0.05	0.05	0.05
Raf1	156	0.00	0.03	0.06	0.06	0.06
Raf1	157	0.00	0.03	0.06	0.06	0.06
Raf1	158	0.00	0.02	0.05	0.05	0.05
Raf1	159	0.00	0.02	0.05	0.05	0.05
Raf1	160	0.00	0.07	0.14	0.14	0.14
Raf1	161	0.00	0.07	0.13	0.14	0.14
Raf1	162	0.00	0.07	0.15	0.15	0.15
Raf1	163	0.00	0.07	0.14	0.14	0.14
Raf1	164	0.00	0.07	0.13	0.14	0.14
Raf1	165	0.00	0.07	0.13	0.14	0.14
Raf1	166	0.00	0.06	0.13	0.13	0.13
Raf1	167	0.00	0.06	0.12	0.13	0.13
Raf1	168	0.00	0.07	0.14	0.14	0.14
Raf1	169	0.00	0.07	0.13	0.13	0.13
Raf1	170	0.00	0.06	0.12	0.13	0.13
Raf1	171	0.00	0.06	0.12	0.13	0.13
Raf1	172	0.00	0.01	0.02	0.02	0.02
Raf1	173	0.01	0.02	0.04	0.04	0.04
Raf1	174	0.01	0.01	0.01	0.02	0.02
Raf1	175	0.00	0.00	0.01	0.01	0.01
Raf1	176	0.01	0.02	0.04	0.04	0.04
Raf1	177	0.01	0.02	0.04	0.04	0.04
Raf1	178	0.00	0.00	0.00	0.01	0.01
Raf1	179	0.01	0.01	0.02	0.02	0.02
Raf1	180	0.01	0.02	0.03	0.04	0.04
Raf1	181	0.00	0.01	0.01	0.01	0.01
Raf1	182	0.01	0.01	0.02	0.02	0.02
Raf1	183	0.01	0.01	0.02	0.02	0.02
Raf1	184	0.00	0.01	0.03	0.03	0.03
Raf1	185	0.01	0.00	0.01	0.01	0.01
Raf1	186	0.01	0.03	0.06	0.06	0.06
Raf1	187	0.00	0.02	0.04	0.04	0.04
Raf1	188	0.01	0.00	0.01	0.01	0.01
Raf1	189	0.01	0.00	0.01	0.01	0.01
Raf1	190	0.00	0.01	0.03	0.03	0.03
Raf1	191	0.01	0.02	0.05	0.05	0.05
Raf1	192	0.01	0.00	0.00	0.01	0.01
Raf1	193	0.00	0.01	0.02	0.02	0.02
Raf1	194	0.01	0.02	0.05	0.05	0.05
Raf1	195	0.01	0.02	0.05	0.05	0.05
Raf1	196	0.00	0.00	0.01	0.01	0.01
Raf1	197	0.01	0.01	0.03	0.03	0.03
Raf1	198	0.01	0.01	0.02	0.03	0.03
Raf1	199	0.00	0.00	0.00	0.00	0.00

				Job No	011467_RF	**Date**	3/26/2024	
				Customer	Norsteel Buildings	**Designed By**	MQZ	
				Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0			
Raf1	200	0.01	0.01	0.03	0.03	0.03		
Raf1	201	0.01	0.01	0.03	0.03	0.03		
Raf1	202	0.00	0.01	0.02	0.02	0.02		
Raf1	203	0.01	0.00	0.00	0.01	0.01		
Raf1	204	0.01	0.02	0.05	0.05	0.05		
Raf1	205	0.00	0.01	0.03	0.03	0.03		
Raf1	206	0.01	0.00	0.00	0.01	0.01		
Raf1	207	0.01	0.00	0.00	0.01	0.01		
Raf1	208	0.00	0.02	0.03	0.03	0.03		
Raf1	209	0.00	0.02	0.03	0.03	0.03		
Raf2	1	0.00	0.06	0.10	0.10	0.10		
Raf2	2	0.00	0.01	0.02	0.02	0.02		
Raf2	3	0.00	0.08	0.14	0.14	0.14		
Raf2	4	0.00	0.05	0.09	0.09	0.09		
Raf2	5	0.00	0.05	0.09	0.09	0.09		
Raf2	6	0.00	0.04	0.08	0.08	0.08		
Raf2	7	0.00	0.04	0.08	0.08	0.08		
Raf2	8	0.00	0.06	0.10	0.10	0.10		
Raf2	9	0.00	0.06	0.10	0.10	0.10		
Raf2	10	0.00	0.05	0.09	0.09	0.09		
Raf2	11	0.00	0.05	0.09	0.09	0.09		
Raf2	12	0.00	0.04	0.08	0.08	0.08		
Raf2	13	0.00	0.04	0.08	0.08	0.08		
Raf2	14	0.00	0.04	0.08	0.08	0.08		
Raf2	15	0.00	0.04	0.08	0.08	0.08		
Raf2	16	0.00	0.05	0.09	0.09	0.09		
Raf2	17	0.00	0.07	0.13	0.13	0.13		
Raf2	18	0.00	0.04	0.07	0.08	0.08		
Raf2	19	0.00	0.04	0.07	0.08	0.08		
Raf2	20	0.00	0.04	0.07	0.07	0.07		
Raf2	21	0.00	0.04	0.07	0.07	0.07		
Raf2	22	0.00	0.05	0.09	0.09	0.09		
Raf2	23	0.00	0.05	0.09	0.09	0.09		
Raf2	24	0.00	0.04	0.08	0.08	0.08		
Raf2	25	0.00	0.04	0.08	0.08	0.08		
Raf2	26	0.00	0.04	0.07	0.07	0.07		
Raf2	27	0.00	0.04	0.07	0.07	0.07		
Raf2	28	0.00	0.04	0.07	0.07	0.07		
Raf2	29	0.00	0.04	0.07	0.07	0.07		
Raf2	30	0.00	0.11	0.20	0.20	0.20		
Raf2	31	0.00	0.11	0.19	0.19	0.19		
Raf2	32	0.00	0.11	0.19	0.19	0.19		
Raf2	33	0.00	0.10	0.18	0.18	0.18		
Raf2	34	0.00	0.10	0.18	0.18	0.18		
Raf2	35	0.01	0.11	0.20	0.20	0.20		
Raf2	36	0.01	0.11	0.20	0.20	0.20		
Raf2	37	0.00	0.11	0.19	0.19	0.19		
Raf2	38	0.00	0.11	0.19	0.19	0.19		
Raf2	39	0.00	0.10	0.18	0.19	0.19		
Raf2	40	0.00	0.10	0.18	0.19	0.19		
Raf2	41	0.00	0.10	0.18	0.19	0.19		
Raf2	42	0.00	0.10	0.18	0.19	0.19		
Raf2	43	0.00	0.11	0.19	0.19	0.19		
Raf2	44	0.00	0.10	0.18	0.18	0.18		

			Job No	011467_RF		**Date**	3/26/2024		
			Customer	Norsteel Buildings		**Designed By**	MQZ		
			Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0					
Raf2	45	0.00	0.10	0.18	0.18	0.18			
Raf2	46	0.00	0.09	0.17	0.17	0.17			
Raf2	47	0.00	0.09	0.17	0.17	0.17			
Raf2	48	0.01	0.10	0.19	0.19	0.19			
Raf2	49	0.01	0.10	0.19	0.19	0.19			
Raf2	50	0.00	0.10	0.18	0.18	0.18			
Raf2	51	0.00	0.10	0.18	0.18	0.18			
Raf2	52	0.00	0.09	0.17	0.17	0.17			
Raf2	53	0.00	0.09	0.17	0.17	0.17			
Raf2	54	0.00	0.09	0.17	0.17	0.17			
Raf2	55	0.00	0.09	0.17	0.17	0.17			
Raf2	56	0.01	0.01	0.02	0.03	0.03			
Raf2	57	0.01	0.03	0.05	0.05	0.05			
Raf2	58	0.01	0.01	0.02	0.03	0.03			
Raf2	59	0.01	0.03	0.05	0.05	0.05			
Raf2	60	0.00	0.01	0.02	0.02	0.02			
Raf2	61	0.00	0.01	0.02	0.02	0.02			
Raf2	62	0.01	0.03	0.05	0.05	0.05			
Raf2	63	0.01	0.03	0.05	0.05	0.05			
Raf2	64	0.01	0.03	0.05	0.05	0.05			
Raf2	65	0.01	0.03	0.05	0.05	0.05			
Raf2	66	0.01	0.01	0.02	0.03	0.03			
Raf2	67	0.01	0.00	0.01	0.02	0.02			
Raf2	68	0.01	0.01	0.02	0.03	0.03			
Raf2	69	0.01	0.00	0.01	0.02	0.02			
Raf2	70	0.01	0.00	0.00	0.01	0.01			
Raf2	71	0.01	0.01	0.02	0.03	0.03			
Raf2	72	0.01	0.00	0.00	0.01	0.01			
Raf2	73	0.01	0.01	0.02	0.03	0.03			
Raf2	74	0.00	0.03	0.05	0.05	0.05			
Raf2	75	0.00	0.03	0.05	0.05	0.05			
Raf2	76	0.01	0.01	0.02	0.03	0.03			
Raf2	77	0.01	0.01	0.02	0.03	0.03			
Raf2	78	0.01	0.01	0.02	0.03	0.03			
Raf2	79	0.01	0.01	0.02	0.03	0.03			
Raf2	80	0.01	0.03	0.04	0.05	0.05			
Raf2	81	0.01	0.01	0.02	0.02	0.02			
Raf2	82	0.01	0.03	0.04	0.05	0.05			
Raf2	83	0.01	0.01	0.02	0.02	0.02			
Raf2	84	0.01	0.02	0.04	0.04	0.04			
Raf2	85	0.01	0.01	0.01	0.02	0.02			
Raf2	86	0.01	0.02	0.04	0.04	0.04			
Raf2	87	0.01	0.01	0.01	0.02	0.02			
Raf2	88	0.00	0.05	0.08	0.08	0.08			
Raf2	89	0.00	0.05	0.08	0.08	0.08			
Raf2	90	0.01	0.01	0.01	0.02	0.02			
Raf2	91	0.01	0.01	0.01	0.02	0.02			
Raf2	92	0.01	0.01	0.01	0.02	0.02			
Raf2	93	0.01	0.01	0.01	0.02	0.02			
Raf2	94	0.01	0.04	0.08	0.08	0.08			
Raf2	95	0.01	0.03	0.05	0.05	0.05			
Raf2	96	0.01	0.04	0.08	0.08	0.08			
Raf2	97	0.01	0.03	0.05	0.05	0.05			
Raf2	98	0.01	0.02	0.03	0.04	0.04			

			Job No	011467_RF		**Date**	3/26/2024	
			Customer	Norsteel Buildings		**Designed By**	MQZ	
			Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0				
Raf2	99	0.01	0.03	0.06	0.07	0.07		
Raf2	100	0.01	0.02	0.03	0.04	0.04		
Raf2	101	0.01	0.03	0.06	0.07	0.07		
Raf2	102	0.00	0.00	0.01	0.01	0.01		
Raf2	103	0.00	0.00	0.01	0.01	0.01		
Raf2	104	0.01	0.03	0.06	0.07	0.07		
Raf2	105	0.01	0.03	0.06	0.07	0.07		
Raf2	106	0.01	0.03	0.06	0.07	0.07		
Raf2	107	0.01	0.03	0.06	0.07	0.07		
Raf2	108	0.01	0.00	0.01	0.02	0.02		
Raf2	109	0.01	0.01	0.02	0.03	0.03		
Raf2	110	0.01	0.00	0.01	0.02	0.02		
Raf2	111	0.01	0.01	0.02	0.03	0.03		
Raf2	112	0.01	0.00	0.01	0.01	0.01		
Raf2	113	0.01	0.02	0.04	0.04	0.04		
Raf2	114	0.01	0.00	0.01	0.01	0.01		
Raf2	115	0.01	0.02	0.04	0.04	0.04		
Raf2	116	0.00	0.02	0.03	0.04	0.04		
Raf2	117	0.00	0.02	0.03	0.04	0.04		
Raf2	118	0.01	0.02	0.04	0.04	0.04		
Raf2	119	0.01	0.02	0.04	0.04	0.04		
Raf2	120	0.01	0.02	0.04	0.04	0.04		
Raf2	121	0.01	0.02	0.04	0.04	0.04		
Raf2	122	0.01	0.02	0.03	0.04	0.04		
Raf2	123	0.01	0.00	0.01	0.01	0.01		
Raf2	124	0.01	0.02	0.03	0.04	0.04		
Raf2	125	0.01	0.00	0.01	0.01	0.01		
Raf2	126	0.01	0.01	0.03	0.03	0.03		
Raf2	127	0.01	0.00	0.00	0.01	0.01		
Raf2	128	0.01	0.01	0.03	0.03	0.03		
Raf2	129	0.01	0.00	0.00	0.01	0.01		
Raf2	130	0.00	0.04	0.07	0.07	0.07		
Raf2	131	0.00	0.04	0.07	0.07	0.07		
Raf2	132	0.01	0.00	0.00	0.01	0.01		
Raf2	133	0.01	0.00	0.00	0.01	0.01		
Raf2	134	0.01	0.00	0.00	0.01	0.01		
Raf2	135	0.01	0.00	0.00	0.01	0.01		
Raf2	136	0.01	0.04	0.07	0.07	0.07		
Raf2	137	0.01	0.02	0.04	0.04	0.04		
Raf2	138	0.01	0.04	0.07	0.07	0.07		
Raf2	139	0.01	0.02	0.04	0.04	0.04		
Raf2	140	0.01	0.01	0.02	0.02	0.02		
Raf2	141	0.00	0.01	0.02	0.02	0.02		
Raf2	142	0.01	0.03	0.05	0.05	0.05		
Raf2	143	0.00	0.03	0.05	0.05	0.05		
Raf2	144	0.00	0.11	0.20	0.20	0.20		
Raf2	145	0.00	0.11	0.20	0.20	0.20		
Raf2	146	0.00	0.05	0.08	0.08	0.08		
Raf2	147	0.00	0.05	0.09	0.09	0.09		
Raf2	148	0.00	0.04	0.08	0.08	0.08		
Raf2	149	0.00	0.06	0.10	0.10	0.10		
Raf2	150	0.00	0.05	0.09	0.09	0.09		
Raf2	151	0.00	0.04	0.08	0.08	0.08		
Raf2	152	0.00	0.04	0.08	0.08	0.08		

			Job No	011467_RF		**Date**	3/26/2024	
			Customer	Norsteel Buildings		**Designed By**	MQZ	
			Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0				
Raf2	153	0.00	0.04	0.07	0.07	0.07		
Raf2	154	0.00	0.04	0.07	0.08	0.08		
Raf2	155	0.00	0.04	0.07	0.07	0.07		
Raf2	156	0.00	0.05	0.09	0.09	0.09		
Raf2	157	0.00	0.04	0.08	0.08	0.08		
Raf2	158	0.00	0.04	0.07	0.07	0.07		
Raf2	159	0.00	0.04	0.07	0.07	0.07		
Raf2	160	0.00	0.11	0.19	0.19	0.19		
Raf2	161	0.00	0.10	0.18	0.18	0.18		
Raf2	162	0.01	0.11	0.20	0.20	0.20		
Raf2	163	0.00	0.11	0.19	0.19	0.19		
Raf2	164	0.00	0.10	0.18	0.19	0.19		
Raf2	165	0.00	0.10	0.18	0.19	0.19		
Raf2	166	0.00	0.10	0.18	0.18	0.18		
Raf2	167	0.00	0.09	0.17	0.17	0.17		
Raf2	168	0.01	0.10	0.19	0.19	0.19		
Raf2	169	0.00	0.10	0.18	0.18	0.18		
Raf2	170	0.00	0.09	0.17	0.17	0.17		
Raf2	171	0.00	0.09	0.17	0.17	0.17		
Raf2	172	0.01	0.01	0.02	0.03	0.03		
Raf2	173	0.01	0.03	0.05	0.05	0.05		
Raf2	174	0.01	0.01	0.02	0.03	0.03		
Raf2	175	0.01	0.00	0.01	0.02	0.02		
Raf2	176	0.01	0.03	0.05	0.05	0.05		
Raf2	177	0.01	0.03	0.05	0.05	0.05		
Raf2	178	0.01	0.00	0.00	0.01	0.01		
Raf2	179	0.01	0.01	0.02	0.03	0.03		
Raf2	180	0.01	0.03	0.04	0.05	0.05		
Raf2	181	0.01	0.01	0.02	0.02	0.02		
Raf2	182	0.01	0.01	0.02	0.03	0.03		
Raf2	183	0.01	0.01	0.02	0.03	0.03		
Raf2	184	0.01	0.02	0.04	0.04	0.04		
Raf2	185	0.01	0.01	0.01	0.02	0.02		
Raf2	186	0.01	0.04	0.08	0.08	0.08		
Raf2	187	0.01	0.03	0.05	0.05	0.05		
Raf2	188	0.01	0.01	0.01	0.02	0.02		
Raf2	189	0.01	0.01	0.01	0.02	0.02		
Raf2	190	0.01	0.02	0.03	0.04	0.04		
Raf2	191	0.01	0.03	0.06	0.07	0.07		
Raf2	192	0.01	0.00	0.01	0.02	0.02		
Raf2	193	0.01	0.01	0.02	0.03	0.03		
Raf2	194	0.01	0.03	0.06	0.07	0.07		
Raf2	195	0.01	0.03	0.06	0.07	0.07		
Raf2	196	0.01	0.00	0.01	0.01	0.01		
Raf2	197	0.01	0.02	0.04	0.04	0.04		
Raf2	198	0.01	0.02	0.03	0.04	0.04		
Raf2	199	0.01	0.00	0.01	0.01	0.01		
Raf2	200	0.01	0.02	0.04	0.04	0.04		
Raf2	201	0.01	0.02	0.04	0.04	0.04		
Raf2	202	0.01	0.01	0.03	0.03	0.03		
Raf2	203	0.01	0.00	0.00	0.01	0.01		
Raf2	204	0.01	0.04	0.07	0.07	0.07		
Raf2	205	0.01	0.02	0.04	0.04	0.04		
Raf2	206	0.01	0.00	0.00	0.01	0.01		

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Raf2	207	0.01	0.00	0.00	0.01	0.01
Raf2	208	0.01	0.02	0.04	0.04	0.04
Raf2	209	0.00	0.02	0.04	0.05	0.05

COLUMN REACTIONS - Factored_Load:

Id	Load Id	Vert(k)	In_Plane Horz(k)	--Out_Plane_Horz-- Base(k)	Roof(k)
Col1	1	2.78	0.00	0.00	0.00
Col1	2	1.05	0.00	0.00	0.00
Col1	3	3.78	0.00	0.00	0.00
Col1	4	2.47	0.00	-0.34	-0.34
Col1	5	2.47	0.00	0.24	0.24
Col1	6	2.34	0.00	-0.34	-0.34
Col1	7	2.34	0.00	0.24	0.24
Col1	8	2.71	0.00	-0.34	-0.34
Col1	9	2.71	0.00	0.24	0.24
Col1	10	2.58	0.00	-0.34	-0.34
Col1	11	2.58	0.00	0.24	0.24
Col1	12	2.35	0.00	-0.34	-0.34
Col1	13	2.35	0.00	-0.34	-0.34
Col1	14	2.35	0.00	0.24	0.24
Col1	15	2.35	0.00	0.24	0.24
Col1	16	2.36	0.00	0.00	0.00
Col1	17	3.36	0.00	0.00	0.00
Col1	18	2.05	0.00	-0.34	-0.34
Col1	19	2.05	0.00	0.24	0.24
Col1	20	1.92	0.00	-0.34	-0.34
Col1	21	1.92	0.00	0.24	0.24
Col1	22	2.29	0.00	-0.34	-0.34
Col1	23	2.29	0.00	0.24	0.24
Col1	24	2.16	0.00	-0.34	-0.34
Col1	25	2.16	0.00	0.24	0.24
Col1	26	1.93	0.00	-0.34	-0.34
Col1	27	1.93	0.00	-0.34	-0.34
Col1	28	1.93	0.00	0.24	0.24
Col1	29	1.93	0.00	0.24	0.24
Col1	30	5.20	0.00	0.00	0.00
Col1	31	4.89	0.00	-0.34	-0.34
Col1	32	4.89	0.00	0.24	0.24
Col1	33	4.76	0.00	-0.34	-0.34
Col1	34	4.76	0.00	0.24	0.24
Col1	35	5.13	0.00	-0.34	-0.34
Col1	36	5.13	0.00	0.24	0.24
Col1	37	5.00	0.00	-0.34	-0.34
Col1	38	5.00	0.00	0.24	0.24
Col1	39	4.76	0.00	-0.34	-0.34
Col1	40	4.76	0.00	-0.34	-0.34
Col1	41	4.76	0.00	0.24	0.24
Col1	42	4.76	0.00	0.24	0.24
Col1	43	4.78	0.00	0.00	0.00
Col1	44	4.47	0.00	-0.34	-0.34

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col1	45	4.47	0.00	0.24	0.24
Col1	46	4.34	0.00	-0.34	-0.34
Col1	47	4.34	0.00	0.24	0.24
Col1	48	4.71	0.00	-0.34	-0.34
Col1	49	4.71	0.00	0.24	0.24
Col1	50	4.57	0.00	-0.34	-0.34
Col1	51	4.57	0.00	0.24	0.24
Col1	52	4.34	0.00	-0.34	-0.34
Col1	53	4.34	0.00	-0.34	-0.34
Col1	54	4.34	0.00	0.24	0.24
Col1	55	4.34	0.00	0.24	0.24
Col1	56	-0.14	0.00	0.83	0.83
Col1	57	-0.60	0.00	0.83	0.83
Col1	58	-0.14	0.00	-1.17	-1.17
Col1	59	-0.60	0.00	-1.17	-1.17
Col1	60	0.93	0.00	0.83	0.83
Col1	61	0.93	0.00	-1.17	-1.17
Col1	62	-0.59	0.00	-1.17	-1.17
Col1	63	-0.59	0.00	-1.17	-1.17
Col1	64	-0.59	0.00	0.83	0.83
Col1	65	-0.59	0.00	0.83	0.83
Col1	66	0.68	0.00	-1.17	-1.17
Col1	67	0.22	0.00	0.83	0.83
Col1	68	0.68	0.00	0.83	0.83
Col1	69	0.22	0.00	-1.17	-1.17
Col1	70	0.48	0.00	0.83	0.83
Col1	71	0.02	0.00	0.83	0.83
Col1	72	0.48	0.00	-1.17	-1.17
Col1	73	0.02	0.00	-1.17	-1.17
Col1	74	1.55	0.00	0.83	0.83
Col1	75	1.55	0.00	-1.17	-1.17
Col1	76	0.03	0.00	-1.17	-1.17
Col1	77	0.03	0.00	-1.17	-1.17
Col1	78	0.03	0.00	0.83	0.83
Col1	79	0.03	0.00	0.83	0.83
Col1	80	1.30	0.00	-1.17	-1.17
Col1	81	0.84	0.00	0.83	0.83
Col1	82	1.30	0.00	0.83	0.83
Col1	83	0.84	0.00	-1.17	-1.17
Col1	84	1.28	0.00	0.83	0.83
Col1	85	0.82	0.00	0.83	0.83
Col1	86	1.28	0.00	-1.17	-1.17
Col1	87	0.82	0.00	-1.17	-1.17
Col1	88	2.36	0.00	0.83	0.83
Col1	89	2.36	0.00	-1.17	-1.17
Col1	90	0.83	0.00	-1.17	-1.17
Col1	91	0.83	0.00	-1.17	-1.17
Col1	92	0.83	0.00	0.83	0.83
Col1	93	0.83	0.00	0.83	0.83
Col1	94	2.10	0.00	-1.17	-1.17
Col1	95	1.64	0.00	0.83	0.83
Col1	96	2.10	0.00	0.83	0.83
Col1	97	1.64	0.00	-1.17	-1.17
Col1	98	-0.56	0.00	0.83	0.83

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col1	99	-1.02	0.00	0.83	0.83
Col1	100	-0.56	0.00	-1.17	-1.17
Col1	101	-1.02	0.00	-1.17	-1.17
Col1	102	0.51	0.00	0.83	0.83
Col1	103	0.51	0.00	-1.17	-1.17
Col1	104	-1.01	0.00	-1.17	-1.17
Col1	105	-1.01	0.00	-1.17	-1.17
Col1	106	-1.01	0.00	0.83	0.83
Col1	107	-1.01	0.00	0.83	0.83
Col1	108	0.26	0.00	-1.17	-1.17
Col1	109	-0.20	0.00	0.83	0.83
Col1	110	0.26	0.00	0.83	0.83
Col1	111	-0.20	0.00	-1.17	-1.17
Col1	112	0.05	0.00	0.83	0.83
Col1	113	-0.40	0.00	0.83	0.83
Col1	114	0.05	0.00	-1.17	-1.17
Col1	115	-0.40	0.00	-1.17	-1.17
Col1	116	1.13	0.00	0.83	0.83
Col1	117	1.13	0.00	-1.17	-1.17
Col1	118	-0.39	0.00	-1.17	-1.17
Col1	119	-0.39	0.00	-1.17	-1.17
Col1	120	-0.39	0.00	0.83	0.83
Col1	121	-0.39	0.00	0.83	0.83
Col1	122	0.87	0.00	-1.17	-1.17
Col1	123	0.42	0.00	0.83	0.83
Col1	124	0.87	0.00	0.83	0.83
Col1	125	0.42	0.00	-1.17	-1.17
Col1	126	0.86	0.00	0.83	0.83
Col1	127	0.40	0.00	0.83	0.83
Col1	128	0.86	0.00	-1.17	-1.17
Col1	129	0.40	0.00	-1.17	-1.17
Col1	130	1.94	0.00	0.83	0.83
Col1	131	1.94	0.00	-1.17	-1.17
Col1	132	0.41	0.00	-1.17	-1.17
Col1	133	0.41	0.00	-1.17	-1.17
Col1	134	0.41	0.00	0.83	0.83
Col1	135	0.41	0.00	0.83	0.83
Col1	136	1.68	0.00	-1.17	-1.17
Col1	137	1.22	0.00	0.83	0.83
Col1	138	1.68	0.00	0.83	0.83
Col1	139	1.22	0.00	-1.17	-1.17
Col1	140	0.73	0.00	0.00	0.00
Col1	141	0.77	0.00	0.00	0.00
Col1	142	1.44	0.00	0.00	0.00
Col1	143	1.48	0.00	0.00	0.00
Col1	144	5.23	0.00	0.00	0.00
Col1	145	3.04	0.00	0.00	0.00
Col1	146	2.36	0.00	0.00	0.00
Col1	147	2.47	0.00	0.00	0.00
Col1	148	2.34	0.00	0.00	0.00
Col1	149	2.71	0.00	0.00	0.00
Col1	150	2.58	0.00	0.00	0.00
Col1	151	2.35	0.00	0.00	0.00
Col1	152	2.35	0.00	0.00	0.00

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col1	153	1.94	0.00	0.00	0.00
Col1	154	2.05	0.00	0.00	0.00
Col1	155	1.92	0.00	0.00	0.00
Col1	156	2.29	0.00	0.00	0.00
Col1	157	2.16	0.00	0.00	0.00
Col1	158	1.93	0.00	0.00	0.00
Col1	159	1.93	0.00	0.00	0.00
Col1	160	4.89	0.00	0.00	0.00
Col1	161	4.76	0.00	0.00	0.00
Col1	162	5.13	0.00	0.00	0.00
Col1	163	5.00	0.00	0.00	0.00
Col1	164	4.76	0.00	0.00	0.00
Col1	165	4.76	0.00	0.00	0.00
Col1	166	4.47	0.00	0.00	0.00
Col1	167	4.34	0.00	0.00	0.00
Col1	168	4.71	0.00	0.00	0.00
Col1	169	4.57	0.00	0.00	0.00
Col1	170	4.34	0.00	0.00	0.00
Col1	171	4.34	0.00	0.00	0.00
Col1	172	-0.14	0.00	0.00	0.00
Col1	173	-0.60	0.00	0.00	0.00
Col1	174	0.68	0.00	0.00	0.00
Col1	175	0.22	0.00	0.00	0.00
Col1	176	-0.59	0.00	0.00	0.00
Col1	177	-0.59	0.00	0.00	0.00
Col1	178	0.48	0.00	0.00	0.00
Col1	179	0.02	0.00	0.00	0.00
Col1	180	1.30	0.00	0.00	0.00
Col1	181	0.84	0.00	0.00	0.00
Col1	182	0.03	0.00	0.00	0.00
Col1	183	0.03	0.00	0.00	0.00
Col1	184	1.28	0.00	0.00	0.00
Col1	185	0.82	0.00	0.00	0.00
Col1	186	2.10	0.00	0.00	0.00
Col1	187	1.64	0.00	0.00	0.00
Col1	188	0.83	0.00	0.00	0.00
Col1	189	0.83	0.00	0.00	0.00
Col1	190	-0.56	0.00	0.00	0.00
Col1	191	-1.02	0.00	0.00	0.00
Col1	192	0.26	0.00	0.00	0.00
Col1	193	-0.20	0.00	0.00	0.00
Col1	194	-1.01	0.00	0.00	0.00
Col1	195	-1.01	0.00	0.00	0.00
Col1	196	0.05	0.00	0.00	0.00
Col1	197	-0.40	0.00	0.00	0.00
Col1	198	0.87	0.00	0.00	0.00
Col1	199	0.42	0.00	0.00	0.00
Col1	200	-0.39	0.00	0.00	0.00
Col1	201	-0.39	0.00	0.00	0.00
Col1	202	0.86	0.00	0.00	0.00
Col1	203	0.40	0.00	0.00	0.00
Col1	204	1.68	0.00	0.00	0.00
Col1	205	1.22	0.00	0.00	0.00
Col1	206	0.41	0.00	0.00	0.00

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col1	207	0.41	0.00	0.00	0.00
Col1	208	1.35	0.00	0.00	0.00
Col1	209	1.38	0.00	0.00	0.00
Col2	1	6.25	0.00	0.00	0.00
Col2	2	1.87	0.00	0.00	0.00
Col2	3	8.72	0.00	0.00	0.00
Col2	4	4.57	0.72	-0.59	-0.59
Col2	5	4.57	0.72	0.41	0.41
Col2	6	5.47	0.00	-0.59	-0.59
Col2	7	5.47	0.00	0.41	0.41
Col2	8	5.36	0.64	-0.59	-0.59
Col2	9	5.36	0.64	0.41	0.41
Col2	10	6.25	0.00	-0.59	-0.59
Col2	11	6.25	0.00	0.41	0.41
Col2	12	4.81	0.19	-0.59	-0.59
Col2	13	4.81	0.19	-0.59	-0.59
Col2	14	4.81	0.19	0.41	0.41
Col2	15	4.81	0.19	0.41	0.41
Col2	16	5.39	0.00	0.00	0.00
Col2	17	7.86	0.00	0.00	0.00
Col2	18	3.71	0.72	-0.59	-0.59
Col2	19	3.71	0.72	0.41	0.41
Col2	20	4.61	0.00	-0.59	-0.59
Col2	21	4.61	0.00	0.41	0.41
Col2	22	4.49	0.64	-0.59	-0.59
Col2	23	4.49	0.64	0.41	0.41
Col2	24	5.39	0.00	-0.59	-0.59
Col2	25	5.39	0.00	0.41	0.41
Col2	26	3.95	0.19	-0.59	-0.59
Col2	27	3.95	0.19	-0.59	-0.59
Col2	28	3.95	0.19	0.41	0.41
Col2	29	3.95	0.19	0.41	0.41
Col2	30	12.25	0.00	0.00	0.00
Col2	31	10.57	0.72	-0.59	-0.59
Col2	32	10.57	0.72	0.41	0.41
Col2	33	11.47	0.00	-0.59	-0.59
Col2	34	11.47	0.00	0.41	0.41
Col2	35	11.35	0.64	-0.59	-0.59
Col2	36	11.35	0.64	0.41	0.41
Col2	37	12.25	0.00	-0.59	-0.59
Col2	38	12.25	0.00	0.41	0.41
Col2	39	10.81	0.19	-0.59	-0.59
Col2	40	10.81	0.19	-0.59	-0.59
Col2	41	10.81	0.19	0.41	0.41
Col2	42	10.81	0.19	0.41	0.41
Col2	43	11.39	0.00	0.00	0.00
Col2	44	9.71	0.72	-0.59	-0.59
Col2	45	9.71	0.72	0.41	0.41
Col2	46	10.61	0.00	-0.59	-0.59
Col2	47	10.61	0.00	0.41	0.41
Col2	48	10.49	0.64	-0.59	-0.59
Col2	49	10.49	0.64	0.41	0.41
Col2	50	11.39	0.00	-0.59	-0.59
Col2	51	11.39	0.00	0.41	0.41

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col2	52	9.95	0.19	-0.59	-0.59
Col2	53	9.95	0.19	-0.59	-0.59
Col2	54	9.95	0.19	0.41	0.41
Col2	55	9.95	0.19	0.41	0.41
Col2	56	-4.21	2.52	1.43	1.43
Col2	57	-1.05	0.00	1.43	1.43
Col2	58	-4.21	2.52	-2.06	-2.06
Col2	59	-1.05	0.00	-2.06	-2.06
Col2	60	1.67	0.00	1.43	1.43
Col2	61	1.67	0.00	-2.06	-2.06
Col2	62	-3.36	0.68	-2.06	-2.06
Col2	63	-3.36	0.68	-2.06	-2.06
Col2	64	-3.36	0.68	1.43	1.43
Col2	65	-3.36	0.68	1.43	1.43
Col2	66	-1.46	2.24	-2.06	-2.06
Col2	67	1.67	0.00	1.43	1.43
Col2	68	-1.46	2.24	1.43	1.43
Col2	69	1.67	0.00	-2.06	-2.06
Col2	70	-2.68	2.52	1.43	1.43
Col2	71	0.48	0.00	1.43	1.43
Col2	72	-2.68	2.52	-2.06	-2.06
Col2	73	0.48	0.00	-2.06	-2.06
Col2	74	3.20	0.00	1.43	1.43
Col2	75	3.20	0.00	-2.06	-2.06
Col2	76	-1.83	0.68	-2.06	-2.06
Col2	77	-1.83	0.68	-2.06	-2.06
Col2	78	-1.83	0.68	1.43	1.43
Col2	79	-1.83	0.68	1.43	1.43
Col2	80	0.06	2.24	-2.06	-2.06
Col2	81	3.20	0.00	1.43	1.43
Col2	82	0.06	2.24	1.43	1.43
Col2	83	3.20	0.00	-2.06	-2.06
Col2	84	-0.68	2.52	1.43	1.43
Col2	85	2.48	0.00	1.43	1.43
Col2	86	-0.68	2.52	-2.06	-2.06
Col2	87	2.48	0.00	-2.06	-2.06
Col2	88	5.20	0.00	1.43	1.43
Col2	89	5.20	0.00	-2.06	-2.06
Col2	90	0.17	0.68	-2.06	-2.06
Col2	91	0.17	0.68	-2.06	-2.06
Col2	92	0.17	0.68	1.43	1.43
Col2	93	0.17	0.68	1.43	1.43
Col2	94	2.06	2.24	-2.06	-2.06
Col2	95	5.20	0.00	1.43	1.43
Col2	96	2.06	2.24	1.43	1.43
Col2	97	5.20	0.00	-2.06	-2.06
Col2	98	-5.07	2.52	1.43	1.43
Col2	99	-1.91	0.00	1.43	1.43
Col2	100	-5.07	2.52	-2.06	-2.06
Col2	101	-1.91	0.00	-2.06	-2.06
Col2	102	0.81	0.00	1.43	1.43
Col2	103	0.81	0.00	-2.06	-2.06
Col2	104	-4.22	0.68	-2.06	-2.06
Col2	105	-4.22	0.68	-2.06	-2.06

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col2	106	-4.22	0.68	1.43	1.43
Col2	107	-4.22	0.68	1.43	1.43
Col2	108	-2.33	2.24	-2.06	-2.06
Col2	109	0.81	0.00	1.43	1.43
Col2	110	-2.33	2.24	1.43	1.43
Col2	111	0.81	0.00	-2.06	-2.06
Col2	112	-3.55	2.52	1.43	1.43
Col2	113	-0.38	0.00	1.43	1.43
Col2	114	-3.55	2.52	-2.06	-2.06
Col2	115	-0.38	0.00	-2.06	-2.06
Col2	116	2.34	0.00	1.43	1.43
Col2	117	2.34	0.00	-2.06	-2.06
Col2	118	-2.69	0.68	-2.06	-2.06
Col2	119	-2.69	0.68	-2.06	-2.06
Col2	120	-2.69	0.68	1.43	1.43
Col2	121	-2.69	0.68	1.43	1.43
Col2	122	-0.80	2.24	-2.06	-2.06
Col2	123	2.34	0.00	1.43	1.43
Col2	124	-0.80	2.24	1.43	1.43
Col2	125	2.34	0.00	-2.06	-2.06
Col2	126	-1.55	2.52	1.43	1.43
Col2	127	1.61	0.00	1.43	1.43
Col2	128	-1.55	2.52	-2.06	-2.06
Col2	129	1.61	0.00	-2.06	-2.06
Col2	130	4.33	0.00	1.43	1.43
Col2	131	4.33	0.00	-2.06	-2.06
Col2	132	-0.69	0.68	-2.06	-2.06
Col2	133	-0.69	0.68	-2.06	-2.06
Col2	134	-0.69	0.68	1.43	1.43
Col2	135	-0.69	0.68	1.43	1.43
Col2	136	1.20	2.24	-2.06	-2.06
Col2	137	4.34	0.00	1.43	1.43
Col2	138	1.20	2.24	1.43	1.43
Col2	139	4.34	0.00	-2.06	-2.06
Col2	140	-0.76	1.54	0.00	0.00
Col2	141	3.30	0.00	0.00	0.00
Col2	142	1.01	1.54	0.00	0.00
Col2	143	5.06	0.00	0.00	0.00
Col2	144	12.02	0.00	0.00	0.00
Col2	145	7.21	0.00	0.00	0.00
Col2	146	5.20	0.00	0.00	0.00
Col2	147	4.57	0.72	0.00	0.00
Col2	148	5.47	0.00	0.00	0.00
Col2	149	5.36	0.64	0.00	0.00
Col2	150	6.25	0.00	0.00	0.00
Col2	151	4.81	0.19	0.00	0.00
Col2	152	4.81	0.19	0.00	0.00
Col2	153	4.33	0.00	0.00	0.00
Col2	154	3.71	0.72	0.00	0.00
Col2	155	4.61	0.00	0.00	0.00
Col2	156	4.49	0.64	0.00	0.00
Col2	157	5.39	0.00	0.00	0.00
Col2	158	3.95	0.19	0.00	0.00
Col2	159	3.95	0.19	0.00	0.00

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col2	160	10.57	0.72	0.00	0.00
Col2	161	11.47	0.00	0.00	0.00
Col2	162	11.35	0.64	0.00	0.00
Col2	163	12.25	0.00	0.00	0.00
Col2	164	10.81	0.19	0.00	0.00
Col2	165	10.81	0.19	0.00	0.00
Col2	166	9.71	0.72	0.00	0.00
Col2	167	10.61	0.00	0.00	0.00
Col2	168	10.49	0.64	0.00	0.00
Col2	169	11.39	0.00	0.00	0.00
Col2	170	9.95	0.19	0.00	0.00
Col2	171	9.95	0.19	0.00	0.00
Col2	172	-4.21	2.52	0.00	0.00
Col2	173	-1.05	0.00	0.00	0.00
Col2	174	-1.46	2.24	0.00	0.00
Col2	175	1.67	0.00	0.00	0.00
Col2	176	-3.36	0.68	0.00	0.00
Col2	177	-3.36	0.68	0.00	0.00
Col2	178	-2.68	2.52	0.00	0.00
Col2	179	0.48	0.00	0.00	0.00
Col2	180	0.06	2.24	0.00	0.00
Col2	181	3.20	0.00	0.00	0.00
Col2	182	-1.83	0.68	0.00	0.00
Col2	183	-1.83	0.68	0.00	0.00
Col2	184	-0.68	2.52	0.00	0.00
Col2	185	2.48	0.00	0.00	0.00
Col2	186	2.06	2.24	0.00	0.00
Col2	187	5.20	0.00	0.00	0.00
Col2	188	0.17	0.68	0.00	0.00
Col2	189	0.17	0.68	0.00	0.00
Col2	190	-5.07	2.52	0.00	0.00
Col2	191	-1.91	0.00	0.00	0.00
Col2	192	-2.33	2.24	0.00	0.00
Col2	193	0.81	0.00	0.00	0.00
Col2	194	-4.22	0.68	0.00	0.00
Col2	195	-4.22	0.68	0.00	0.00
Col2	196	-3.55	2.52	0.00	0.00
Col2	197	-0.38	0.00	0.00	0.00
Col2	198	-0.80	2.24	0.00	0.00
Col2	199	2.34	0.00	0.00	0.00
Col2	200	-2.69	0.68	0.00	0.00
Col2	201	-2.69	0.68	0.00	0.00
Col2	202	-1.55	2.52	0.00	0.00
Col2	203	1.61	0.00	0.00	0.00
Col2	204	1.20	2.24	0.00	0.00
Col2	205	4.34	0.00	0.00	0.00
Col2	206	-0.69	0.68	0.00	0.00
Col2	207	-0.69	0.68	0.00	0.00
Col2	208	0.77	1.54	0.00	0.00
Col2	209	4.83	0.00	0.00	0.00
Col3	1	6.23	0.00	0.00	0.00
Col3	2	1.84	0.00	0.00	0.00
Col3	3	8.71	0.00	0.00	0.00
Col3	4	6.52	0.00	-0.55	-0.55

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col3	5	6.52	0.00	0.38	0.38
Col3	6	4.62	0.32	-0.55	-0.55
Col3	7	4.62	0.32	0.38	0.38
Col3	8	7.09	0.00	-0.55	-0.55
Col3	9	7.09	0.00	0.38	0.38
Col3	10	5.20	0.40	-0.55	-0.55
Col3	11	5.20	0.40	0.38	0.38
Col3	12	5.33	0.00	-0.55	-0.55
Col3	13	5.33	0.00	-0.55	-0.55
Col3	14	5.33	0.00	0.38	0.38
Col3	15	5.33	0.00	0.38	0.38
Col3	16	5.38	0.00	0.00	0.00
Col3	17	7.85	0.00	0.00	0.00
Col3	18	5.67	0.00	-0.55	-0.55
Col3	19	5.67	0.00	0.38	0.38
Col3	20	3.77	0.32	-0.55	-0.55
Col3	21	3.77	0.32	0.38	0.38
Col3	22	6.24	0.00	-0.55	-0.55
Col3	23	6.24	0.00	0.38	0.38
Col3	24	4.34	0.40	-0.55	-0.55
Col3	25	4.34	0.40	0.38	0.38
Col3	26	4.47	0.00	-0.55	-0.55
Col3	27	4.47	0.00	-0.55	-0.55
Col3	28	4.47	0.00	0.38	0.38
Col3	29	4.47	0.00	0.38	0.38
Col3	30	12.24	0.00	0.00	0.00
Col3	31	12.52	0.00	-0.55	-0.55
Col3	32	12.52	0.00	0.38	0.38
Col3	33	10.63	0.32	-0.55	-0.55
Col3	34	10.63	0.32	0.38	0.38
Col3	35	13.09	0.00	-0.55	-0.55
Col3	36	13.09	0.00	0.38	0.38
Col3	37	11.20	0.40	-0.55	-0.55
Col3	38	11.20	0.40	0.38	0.38
Col3	39	11.33	0.00	-0.55	-0.55
Col3	40	11.33	0.00	-0.55	-0.55
Col3	41	11.33	0.00	0.38	0.38
Col3	42	11.33	0.00	0.38	0.38
Col3	43	11.38	0.00	0.00	0.00
Col3	44	11.67	0.00	-0.55	-0.55
Col3	45	11.67	0.00	0.38	0.38
Col3	46	9.77	0.32	-0.55	-0.55
Col3	47	9.77	0.32	0.38	0.38
Col3	48	12.24	0.00	-0.55	-0.55
Col3	49	12.24	0.00	0.38	0.38
Col3	50	10.35	0.40	-0.55	-0.55
Col3	51	10.35	0.40	0.38	0.38
Col3	52	10.47	0.00	-0.55	-0.55
Col3	53	10.47	0.00	-0.55	-0.55
Col3	54	10.47	0.00	0.38	0.38
Col3	55	10.47	0.00	0.38	0.38
Col3	56	2.66	0.00	1.34	1.34
Col3	57	-3.98	1.13	1.34	1.34
Col3	58	2.66	0.00	-1.93	-1.93

	Job No	011467_RF	Date	3/26/2024	
	Customer	Norsteel Buildings	Designed By	MQZ	
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0			

Col3	59	-3.98	1.13	-1.93	-1.93
Col3	60	1.65	0.00	1.34	1.34
Col3	61	1.65	0.00	-1.93	-1.93
Col3	62	-1.52	0.00	-1.93	-1.93
Col3	63	-1.52	0.00	-1.93	-1.93
Col3	64	-1.52	0.00	1.34	1.34
Col3	65	-1.52	0.00	1.34	1.34
Col3	66	4.65	0.00	-1.93	-1.93
Col3	67	-1.97	1.40	1.34	1.34
Col3	68	4.65	0.00	1.34	1.34
Col3	69	-1.97	1.40	-1.93	-1.93
Col3	70	4.18	0.00	1.34	1.34
Col3	71	-2.45	1.13	1.34	1.34
Col3	72	4.18	0.00	-1.93	-1.93
Col3	73	-2.45	1.13	-1.93	-1.93
Col3	74	3.18	0.00	1.34	1.34
Col3	75	3.18	0.00	-1.93	-1.93
Col3	76	0.00	0.00	-1.93	-1.93
Col3	77	0.00	0.00	-1.93	-1.93
Col3	78	0.00	0.00	1.34	1.34
Col3	79	0.00	0.00	1.34	1.34
Col3	80	6.18	0.00	-1.93	-1.93
Col3	81	-0.44	1.40	1.34	1.34
Col3	82	6.18	0.00	1.34	1.34
Col3	83	-0.44	1.40	-1.93	-1.93
Col3	84	6.19	0.00	1.34	1.34
Col3	85	-0.45	1.13	1.34	1.34
Col3	86	6.19	0.00	-1.93	-1.93
Col3	87	-0.45	1.13	-1.93	-1.93
Col3	88	5.18	0.00	1.34	1.34
Col3	89	5.18	0.00	-1.93	-1.93
Col3	90	2.01	0.00	-1.93	-1.93
Col3	91	2.01	0.00	-1.93	-1.93
Col3	92	2.01	0.00	1.34	1.34
Col3	93	2.01	0.00	1.34	1.34
Col3	94	8.18	0.00	-1.93	-1.93
Col3	95	1.56	1.40	1.34	1.34
Col3	96	8.18	0.00	1.34	1.34
Col3	97	1.56	1.40	-1.93	-1.93
Col3	98	1.80	0.00	1.34	1.34
Col3	99	-4.84	1.13	1.34	1.34
Col3	100	1.80	0.00	-1.93	-1.93
Col3	101	-4.84	1.13	-1.93	-1.93
Col3	102	0.79	0.00	1.34	1.34
Col3	103	0.79	0.00	-1.93	-1.93
Col3	104	-2.38	0.00	-1.93	-1.93
Col3	105	-2.38	0.00	-1.93	-1.93
Col3	106	-2.38	0.00	1.34	1.34
Col3	107	-2.38	0.00	1.34	1.34
Col3	108	3.79	0.00	-1.93	-1.93
Col3	109	-2.82	1.40	1.34	1.34
Col3	110	3.79	0.00	1.34	1.34
Col3	111	-2.82	1.40	-1.93	-1.93
Col3	112	3.33	0.00	1.34	1.34

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col3	113	-3.31	1.13	1.34	1.34
Col3	114	3.33	0.00	-1.93	-1.93
Col3	115	-3.31	1.13	-1.93	-1.93
Col3	116	2.32	0.00	1.34	1.34
Col3	117	2.32	0.00	-1.93	-1.93
Col3	118	-0.85	0.00	-1.93	-1.93
Col3	119	-0.85	0.00	-1.93	-1.93
Col3	120	-0.85	0.00	1.34	1.34
Col3	121	-0.85	0.00	1.34	1.34
Col3	122	5.32	0.00	-1.93	-1.93
Col3	123	-1.29	1.40	1.34	1.34
Col3	124	5.32	0.00	1.34	1.34
Col3	125	-1.29	1.40	-1.93	-1.93
Col3	126	5.33	0.00	1.34	1.34
Col3	127	-1.31	1.13	1.34	1.34
Col3	128	5.33	0.00	-1.93	-1.93
Col3	129	-1.31	1.13	-1.93	-1.93
Col3	130	4.32	0.00	1.34	1.34
Col3	131	4.32	0.00	-1.93	-1.93
Col3	132	1.15	0.00	-1.93	-1.93
Col3	133	1.15	0.00	-1.93	-1.93
Col3	134	1.15	0.00	1.34	1.34
Col3	135	1.15	0.00	1.34	1.34
Col3	136	7.32	0.00	-1.93	-1.93
Col3	137	0.71	1.40	1.34	1.34
Col3	138	7.32	0.00	1.34	1.34
Col3	139	0.71	1.40	-1.93	-1.93
Col3	140	3.45	0.00	0.00	0.00
Col3	141	-0.68	1.54	0.00	0.00
Col3	142	5.21	0.00	0.00	0.00
Col3	143	1.08	1.54	0.00	0.00
Col3	144	7.15	0.01	0.00	0.00
Col3	145	12.02	0.01	0.00	0.00
Col3	146	5.18	0.00	0.00	0.00
Col3	147	6.52	0.00	0.00	0.00
Col3	148	4.62	0.32	0.00	0.00
Col3	149	7.09	0.00	0.00	0.00
Col3	150	5.20	0.40	0.00	0.00
Col3	151	5.33	0.00	0.00	0.00
Col3	152	5.33	0.00	0.00	0.00
Col3	153	4.32	0.00	0.00	0.00
Col3	154	5.67	0.00	0.00	0.00
Col3	155	3.77	0.32	0.00	0.00
Col3	156	6.24	0.00	0.00	0.00
Col3	157	4.34	0.40	0.00	0.00
Col3	158	4.47	0.00	0.00	0.00
Col3	159	4.47	0.00	0.00	0.00
Col3	160	12.52	0.00	0.00	0.00
Col3	161	10.63	0.32	0.00	0.00
Col3	162	13.09	0.00	0.00	0.00
Col3	163	11.20	0.40	0.00	0.00
Col3	164	11.33	0.00	0.00	0.00
Col3	165	11.33	0.00	0.00	0.00
Col3	166	11.67	0.00	0.00	0.00

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col3	167	9.77	0.32	0.00	0.00
Col3	168	12.24	0.00	0.00	0.00
Col3	169	10.35	0.40	0.00	0.00
Col3	170	10.47	0.00	0.00	0.00
Col3	171	10.47	0.00	0.00	0.00
Col3	172	2.66	0.00	0.00	0.00
Col3	173	-3.98	1.13	0.00	0.00
Col3	174	4.65	0.00	0.00	0.00
Col3	175	-1.97	1.40	0.00	0.00
Col3	176	-1.52	0.00	0.00	0.00
Col3	177	-1.52	0.00	0.00	0.00
Col3	178	4.18	0.00	0.00	0.00
Col3	179	-2.45	1.13	0.00	0.00
Col3	180	6.18	0.00	0.00	0.00
Col3	181	-0.44	1.40	0.00	0.00
Col3	182	0.00	0.00	0.00	0.00
Col3	183	0.00	0.00	0.00	0.00
Col3	184	6.19	0.00	0.00	0.00
Col3	185	-0.45	1.13	0.00	0.00
Col3	186	8.18	0.00	0.00	0.00
Col3	187	1.56	1.40	0.00	0.00
Col3	188	2.01	0.00	0.00	0.00
Col3	189	2.01	0.00	0.00	0.00
Col3	190	1.80	0.00	0.00	0.00
Col3	191	-4.84	1.13	0.00	0.00
Col3	192	3.79	0.00	0.00	0.00
Col3	193	-2.82	1.40	0.00	0.00
Col3	194	-2.38	0.00	0.00	0.00
Col3	195	-2.38	0.00	0.00	0.00
Col3	196	3.33	0.00	0.00	0.00
Col3	197	-3.31	1.13	0.00	0.00
Col3	198	5.32	0.00	0.00	0.00
Col3	199	-1.29	1.40	0.00	0.00
Col3	200	-0.85	0.00	0.00	0.00
Col3	201	-0.85	0.00	0.00	0.00
Col3	202	5.33	0.00	0.00	0.00
Col3	203	-1.31	1.13	0.00	0.00
Col3	204	7.32	0.00	0.00	0.00
Col3	205	0.71	1.40	0.00	0.00
Col3	206	1.15	0.00	0.00	0.00
Col3	207	1.15	0.00	0.00	0.00
Col3	208	4.97	0.00	0.00	0.00
Col3	209	0.85	1.54	0.00	0.00
Col4	1	2.65	0.00	0.00	0.00
Col4	2	0.95	0.00	0.00	0.00
Col4	3	3.62	0.00	0.00	0.00
Col4	4	2.33	0.00	-0.28	-0.28
Col4	5	2.33	0.00	0.20	0.20
Col4	6	2.20	0.00	-0.28	-0.28
Col4	7	2.20	0.00	0.20	0.20
Col4	8	2.63	0.00	-0.28	-0.28
Col4	9	2.63	0.00	0.20	0.20
Col4	10	2.50	0.00	-0.28	-0.28
Col4	11	2.50	0.00	0.20	0.20

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col4	12	2.15	0.00	-0.28	-0.28
Col4	13	2.15	0.00	-0.28	-0.28
Col4	14	2.15	0.00	0.20	0.20
Col4	15	2.15	0.00	0.20	0.20
Col4	16	2.26	0.00	0.00	0.00
Col4	17	3.23	0.00	0.00	0.00
Col4	18	1.94	0.00	-0.28	-0.28
Col4	19	1.94	0.00	0.20	0.20
Col4	20	1.81	0.00	-0.28	-0.28
Col4	21	1.81	0.00	0.20	0.20
Col4	22	2.24	0.00	-0.28	-0.28
Col4	23	2.24	0.00	0.20	0.20
Col4	24	2.11	0.00	-0.28	-0.28
Col4	25	2.11	0.00	0.20	0.20
Col4	26	1.76	0.00	-0.28	-0.28
Col4	27	1.76	0.00	-0.28	-0.28
Col4	28	1.76	0.00	0.20	0.20
Col4	29	1.76	0.00	0.20	0.20
Col4	30	5.00	0.00	0.00	0.00
Col4	31	4.69	0.00	-0.28	-0.28
Col4	32	4.69	0.00	0.20	0.20
Col4	33	4.55	0.00	-0.28	-0.28
Col4	34	4.55	0.00	0.20	0.20
Col4	35	4.99	0.00	-0.28	-0.28
Col4	36	4.99	0.00	0.20	0.20
Col4	37	4.85	0.00	-0.28	-0.28
Col4	38	4.85	0.00	0.20	0.20
Col4	39	4.51	0.00	-0.28	-0.28
Col4	40	4.51	0.00	-0.28	-0.28
Col4	41	4.51	0.00	0.20	0.20
Col4	42	4.51	0.00	0.20	0.20
Col4	43	4.61	0.00	0.00	0.00
Col4	44	4.30	0.00	-0.28	-0.28
Col4	45	4.30	0.00	0.20	0.20
Col4	46	4.16	0.00	-0.28	-0.28
Col4	47	4.16	0.00	0.20	0.20
Col4	48	4.60	0.00	-0.28	-0.28
Col4	49	4.60	0.00	0.20	0.20
Col4	50	4.46	0.00	-0.28	-0.28
Col4	51	4.46	0.00	0.20	0.20
Col4	52	4.12	0.00	-0.28	-0.28
Col4	53	4.12	0.00	-0.28	-0.28
Col4	54	4.12	0.00	0.20	0.20
Col4	55	4.12	0.00	0.20	0.20
Col4	56	-0.26	0.00	0.69	0.69
Col4	57	-0.73	0.00	0.69	0.69
Col4	58	-0.26	0.00	-0.97	-0.97
Col4	59	-0.73	0.00	-0.97	-0.97
Col4	60	0.85	0.00	0.69	0.69
Col4	61	0.85	0.00	-0.97	-0.97
Col4	62	-0.89	0.00	-0.97	-0.97
Col4	63	-0.89	0.00	-0.97	-0.97
Col4	64	-0.89	0.00	0.69	0.69
Col4	65	-0.89	0.00	0.69	0.69

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col4	66	0.79	0.00	-0.97	-0.97
Col4	67	0.32	0.00	0.69	0.69
Col4	68	0.79	0.00	0.69	0.69
Col4	69	0.32	0.00	-0.97	-0.97
Col4	70	0.34	0.00	0.69	0.69
Col4	71	-0.13	0.00	0.69	0.69
Col4	72	0.34	0.00	-0.97	-0.97
Col4	73	-0.13	0.00	-0.97	-0.97
Col4	74	1.45	0.00	0.69	0.69
Col4	75	1.45	0.00	-0.97	-0.97
Col4	76	-0.29	0.00	-0.97	-0.97
Col4	77	-0.29	0.00	-0.97	-0.97
Col4	78	-0.29	0.00	0.69	0.69
Col4	79	-0.29	0.00	0.69	0.69
Col4	80	1.39	0.00	-0.97	-0.97
Col4	81	0.92	0.00	0.69	0.69
Col4	82	1.39	0.00	0.69	0.69
Col4	83	0.92	0.00	-0.97	-0.97
Col4	84	1.13	0.00	0.69	0.69
Col4	85	0.66	0.00	0.69	0.69
Col4	86	1.13	0.00	-0.97	-0.97
Col4	87	0.66	0.00	-0.97	-0.97
Col4	88	2.23	0.00	0.69	0.69
Col4	89	2.23	0.00	-0.97	-0.97
Col4	90	0.50	0.00	-0.97	-0.97
Col4	91	0.50	0.00	-0.97	-0.97
Col4	92	0.50	0.00	0.69	0.69
Col4	93	0.50	0.00	0.69	0.69
Col4	94	2.18	0.00	-0.97	-0.97
Col4	95	1.71	0.00	0.69	0.69
Col4	96	2.18	0.00	0.69	0.69
Col4	97	1.71	0.00	-0.97	-0.97
Col4	98	-0.65	0.00	0.69	0.69
Col4	99	-1.12	0.00	0.69	0.69
Col4	100	-0.65	0.00	-0.97	-0.97
Col4	101	-1.12	0.00	-0.97	-0.97
Col4	102	0.46	0.00	0.69	0.69
Col4	103	0.46	0.00	-0.97	-0.97
Col4	104	-1.28	0.00	-0.97	-0.97
Col4	105	-1.28	0.00	-0.97	-0.97
Col4	106	-1.28	0.00	0.69	0.69
Col4	107	-1.28	0.00	0.69	0.69
Col4	108	0.40	0.00	-0.97	-0.97
Col4	109	-0.07	0.00	0.69	0.69
Col4	110	0.40	0.00	0.69	0.69
Col4	111	-0.07	0.00	-0.97	-0.97
Col4	112	-0.05	0.00	0.69	0.69
Col4	113	-0.52	0.00	0.69	0.69
Col4	114	-0.05	0.00	-0.97	-0.97
Col4	115	-0.52	0.00	-0.97	-0.97
Col4	116	1.06	0.00	0.69	0.69
Col4	117	1.06	0.00	-0.97	-0.97
Col4	118	-0.68	0.00	-0.97	-0.97
Col4	119	-0.68	0.00	-0.97	-0.97

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col4	120	-0.68	0.00	0.69	0.69
Col4	121	-0.68	0.00	0.69	0.69
Col4	122	1.00	0.00	-0.97	-0.97
Col4	123	0.53	0.00	0.69	0.69
Col4	124	1.00	0.00	0.69	0.69
Col4	125	0.53	0.00	-0.97	-0.97
Col4	126	0.74	0.00	0.69	0.69
Col4	127	0.26	0.00	0.69	0.69
Col4	128	0.74	0.00	-0.97	-0.97
Col4	129	0.26	0.00	-0.97	-0.97
Col4	130	1.84	0.00	0.69	0.69
Col4	131	1.84	0.00	-0.97	-0.97
Col4	132	0.10	0.00	-0.97	-0.97
Col4	133	0.10	0.00	-0.97	-0.97
Col4	134	0.10	0.00	0.69	0.69
Col4	135	0.10	0.00	0.69	0.69
Col4	136	1.79	0.00	-0.97	-0.97
Col4	137	1.32	0.00	0.69	0.69
Col4	138	1.79	0.00	0.69	0.69
Col4	139	1.32	0.00	-0.97	-0.97
Col4	140	0.66	0.00	0.00	0.00
Col4	141	0.70	0.00	0.00	0.00
Col4	142	1.35	0.00	0.00	0.00
Col4	143	1.39	0.00	0.00	0.00
Col4	144	2.90	0.00	0.00	0.00
Col4	145	5.03	0.00	0.00	0.00
Col4	146	2.23	0.00	0.00	0.00
Col4	147	2.33	0.00	0.00	0.00
Col4	148	2.20	0.00	0.00	0.00
Col4	149	2.63	0.00	0.00	0.00
Col4	150	2.50	0.00	0.00	0.00
Col4	151	2.15	0.00	0.00	0.00
Col4	152	2.15	0.00	0.00	0.00
Col4	153	1.84	0.00	0.00	0.00
Col4	154	1.94	0.00	0.00	0.00
Col4	155	1.81	0.00	0.00	0.00
Col4	156	2.24	0.00	0.00	0.00
Col4	157	2.11	0.00	0.00	0.00
Col4	158	1.76	0.00	0.00	0.00
Col4	159	1.76	0.00	0.00	0.00
Col4	160	4.69	0.00	0.00	0.00
Col4	161	4.55	0.00	0.00	0.00
Col4	162	4.99	0.00	0.00	0.00
Col4	163	4.85	0.00	0.00	0.00
Col4	164	4.51	0.00	0.00	0.00
Col4	165	4.51	0.00	0.00	0.00
Col4	166	4.30	0.00	0.00	0.00
Col4	167	4.16	0.00	0.00	0.00
Col4	168	4.60	0.00	0.00	0.00
Col4	169	4.46	0.00	0.00	0.00
Col4	170	4.12	0.00	0.00	0.00
Col4	171	4.12	0.00	0.00	0.00
Col4	172	-0.26	0.00	0.00	0.00
Col4	173	-0.73	0.00	0.00	0.00

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col4	174	0.79	0.00	0.00	0.00
Col4	175	0.32	0.00	0.00	0.00
Col4	176	-0.89	0.00	0.00	0.00
Col4	177	-0.89	0.00	0.00	0.00
Col4	178	0.34	0.00	0.00	0.00
Col4	179	-0.13	0.00	0.00	0.00
Col4	180	1.39	0.00	0.00	0.00
Col4	181	0.92	0.00	0.00	0.00
Col4	182	-0.29	0.00	0.00	0.00
Col4	183	-0.29	0.00	0.00	0.00
Col4	184	1.13	0.00	0.00	0.00
Col4	185	0.66	0.00	0.00	0.00
Col4	186	2.18	0.00	0.00	0.00
Col4	187	1.71	0.00	0.00	0.00
Col4	188	0.50	0.00	0.00	0.00
Col4	189	0.50	0.00	0.00	0.00
Col4	190	-0.65	0.00	0.00	0.00
Col4	191	-1.12	0.00	0.00	0.00
Col4	192	0.40	0.00	0.00	0.00
Col4	193	-0.07	0.00	0.00	0.00
Col4	194	-1.28	0.00	0.00	0.00
Col4	195	-1.28	0.00	0.00	0.00
Col4	196	-0.05	0.00	0.00	0.00
Col4	197	-0.52	0.00	0.00	0.00
Col4	198	1.00	0.00	0.00	0.00
Col4	199	0.53	0.00	0.00	0.00
Col4	200	-0.68	0.00	0.00	0.00
Col4	201	-0.68	0.00	0.00	0.00
Col4	202	0.74	0.00	0.00	0.00
Col4	203	0.26	0.00	0.00	0.00
Col4	204	1.79	0.00	0.00	0.00
Col4	205	1.32	0.00	0.00	0.00
Col4	206	0.10	0.00	0.00	0.00
Col4	207	0.10	0.00	0.00	0.00
Col4	208	1.26	0.00	0.00	0.00
Col4	209	1.30	0.00	0.00	0.00

COLUMN DEFLECTIONS - Service_Load:

Id	Load Id	Deflection(in) Calc	Limit
Col1	210	0.00	1.25
Col1	211	0.00	1.25
Col1	212	0.00	1.25
Col1	213	0.00	1.25
Col1	214	-0.04	1.25
Col1	215	-0.04	1.25
Col1	216	0.03	1.25
Col1	217	0.03	1.25
Col1	218	0.03	1.25
Col1	219	-0.04	1.25
Col1	220	-0.04	1.25
Col1	221	-0.04	1.25

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col1	222	0.03	1.25
Col1	223	0.03	1.25
Col1	224	-0.04	1.25
Col1	225	-0.04	1.25
Col1	226	0.03	1.25
Col1	227	0.03	1.25
Col1	228	-0.04	1.25
Col1	229	-0.04	1.25
Col1	230	0.03	1.25
Col1	231	0.03	1.25
Col1	232	-0.04	1.25
Col1	233	0.03	1.25
Col1	234	-0.04	1.25
Col1	235	0.03	1.25
Col1	236	-0.04	1.25
Col1	237	0.03	1.25
Col1	238	-0.04	1.25
Col1	239	-0.04	1.25
Col1	240	0.03	1.25
Col1	241	0.03	1.25
Col1	242	-0.10	1.25
Col1	243	-0.10	1.25
Col1	244	0.07	1.25
Col1	245	0.07	1.25
Col1	246	-0.10	1.25
Col1	247	0.07	1.25
Col1	248	-0.10	1.25
Col1	249	-0.10	1.25
Col1	250	0.07	1.25
Col1	251	0.07	1.25
Col1	252	-0.10	1.25
Col1	253	-0.10	1.25
Col1	254	0.07	1.25
Col1	255	0.07	1.25
Col1	256	-0.10	1.25
Col1	257	-0.10	1.25
Col1	258	0.07	1.25
Col1	259	0.07	1.25
Col1	260	-0.10	1.25
Col1	261	0.07	1.25
Col1	262	-0.10	1.25
Col1	263	-0.10	1.25
Col1	264	0.07	1.25
Col1	265	0.07	1.25
Col1	266	-0.10	1.25
Col1	267	-0.10	1.25
Col1	268	0.07	1.25
Col1	269	0.07	1.25
Col1	270	-0.10	1.25
Col1	271	-0.10	1.25
Col1	272	0.07	1.25
Col1	273	0.07	1.25
Col1	274	-0.10	1.25
Col1	275	0.07	1.25

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col1	276	-0.10	1.25
Col1	277	-0.10	1.25
Col1	278	0.07	1.25
Col1	279	0.07	1.25
Col1	280	-0.10	1.25
Col1	281	-0.10	1.25
Col1	282	0.07	1.25
Col1	283	0.07	1.25
Col1	284	0.00	1.25
Col1	285	0.00	1.25
Col1	286	0.00	1.25
Col1	287	0.00	1.25
Col1	288	0.00	1.25
Col1	289	0.00	1.25
Col1	290	0.00	1.25
Col1	291	0.00	1.25
Col1	292	0.00	1.25
Col1	293	0.00	1.25
Col1	294	-0.10	1.25
Col1	295	0.07	1.25
Col1	296	0.00	1.25
Col1	297	0.00	1.25
Col1	298	0.00	1.25
Col1	299	0.00	1.25
Col1	300	0.00	1.25
Col1	301	0.00	1.25
Col1	302	0.00	1.25
Col1	303	0.00	1.25
Col1	304	0.00	1.25
Col1	305	0.00	1.25
Col1	306	0.00	1.25
Col1	307	0.00	1.25
Col1	308	0.00	1.25
Col1	309	0.00	1.25
Col1	310	0.00	1.25
Col1	311	0.00	1.25
Col1	312	0.00	1.25
Col1	313	0.00	1.25
Col1	314	0.00	1.25
Col1	315	0.00	1.25
Col1	316	0.00	1.25
Col1	317	0.00	1.25
Col1	318	0.00	1.25
Col1	319	0.00	1.25
Col1	320	0.00	1.25
Col1	321	0.00	1.25
Col1	322	0.00	1.25
Col1	323	0.00	1.25
Col1	324	0.00	1.25
Col1	325	0.00	1.25
Col1	326	0.00	1.25
Col1	327	0.00	1.25
Col1	328	0.00	1.25
Col2	210	0.00	1.18

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col2	211	0.00	1.18
Col2	212	0.00	1.18
Col2	213	0.00	1.18
Col2	214	-0.06	1.18
Col2	215	-0.06	1.18
Col2	216	0.04	1.18
Col2	217	0.04	1.18
Col2	218	0.04	1.18
Col2	219	-0.06	1.18
Col2	220	-0.06	1.18
Col2	221	-0.06	1.18
Col2	222	0.04	1.18
Col2	223	0.04	1.18
Col2	224	-0.06	1.18
Col2	225	-0.06	1.18
Col2	226	0.04	1.18
Col2	227	0.04	1.18
Col2	228	-0.06	1.18
Col2	229	-0.06	1.18
Col2	230	0.04	1.18
Col2	231	0.04	1.18
Col2	232	-0.06	1.18
Col2	233	0.04	1.18
Col2	234	-0.06	1.18
Col2	235	0.04	1.18
Col2	236	-0.06	1.18
Col2	237	0.04	1.18
Col2	238	-0.06	1.18
Col2	239	-0.06	1.18
Col2	240	0.04	1.18
Col2	241	0.04	1.18
Col2	242	-0.15	1.18
Col2	243	-0.15	1.18
Col2	244	0.11	1.18
Col2	245	0.11	1.18
Col2	246	-0.15	1.18
Col2	247	0.11	1.18
Col2	248	-0.15	1.18
Col2	249	-0.15	1.18
Col2	250	0.11	1.18
Col2	251	0.11	1.18
Col2	252	-0.15	1.18
Col2	253	-0.15	1.18
Col2	254	0.11	1.18
Col2	255	0.11	1.18
Col2	256	-0.15	1.18
Col2	257	-0.15	1.18
Col2	258	0.11	1.18
Col2	259	0.11	1.18
Col2	260	-0.15	1.18
Col2	261	0.11	1.18
Col2	262	-0.15	1.18
Col2	263	-0.15	1.18
Col2	264	0.11	1.18

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col2	265	0.11	1.18
Col2	266	-0.15	1.18
Col2	267	-0.15	1.18
Col2	268	0.11	1.18
Col2	269	0.11	1.18
Col2	270	-0.15	1.18
Col2	271	-0.15	1.18
Col2	272	0.11	1.18
Col2	273	0.11	1.18
Col2	274	-0.15	1.18
Col2	275	0.11	1.18
Col2	276	-0.15	1.18
Col2	277	-0.15	1.18
Col2	278	0.11	1.18
Col2	279	0.11	1.18
Col2	280	-0.15	1.18
Col2	281	-0.15	1.18
Col2	282	0.11	1.18
Col2	283	0.11	1.18
Col2	284	0.00	1.18
Col2	285	0.00	1.18
Col2	286	0.00	1.18
Col2	287	0.00	1.18
Col2	288	0.00	1.18
Col2	289	0.00	1.18
Col2	290	0.00	1.18
Col2	291	0.00	1.18
Col2	292	0.00	1.18
Col2	293	0.00	1.18
Col2	294	-0.15	1.18
Col2	295	0.11	1.18
Col2	296	0.00	1.18
Col2	297	0.00	1.18
Col2	298	0.00	1.18
Col2	299	0.00	1.18
Col2	300	0.00	1.18
Col2	301	0.00	1.18
Col2	302	0.00	1.18
Col2	303	0.00	1.18
Col2	304	0.00	1.18
Col2	305	0.00	1.18
Col2	306	0.00	1.18
Col2	307	0.00	1.18
Col2	308	0.00	1.18
Col2	309	0.00	1.18
Col2	310	0.00	1.18
Col2	311	0.00	1.18
Col2	312	0.00	1.18
Col2	313	0.00	1.18
Col2	314	0.00	1.18
Col2	315	0.00	1.18
Col2	316	0.00	1.18
Col2	317	0.00	1.18
Col2	318	0.00	1.18

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col2	319	0.00	1.18
Col2	320	0.00	1.18
Col2	321	0.00	1.18
Col2	322	0.00	1.18
Col2	323	0.00	1.18
Col2	324	0.00	1.18
Col2	325	0.00	1.18
Col2	326	0.00	1.18
Col2	327	0.00	1.18
Col2	328	0.00	1.18
Col3	210	0.00	1.11
Col3	211	0.00	1.11
Col3	212	0.00	1.11
Col3	213	0.00	1.11
Col3	214	-0.05	1.11
Col3	215	-0.05	1.11
Col3	216	0.03	1.11
Col3	217	0.03	1.11
Col3	218	0.03	1.11
Col3	219	-0.05	1.11
Col3	220	-0.05	1.11
Col3	221	-0.05	1.11
Col3	222	0.03	1.11
Col3	223	0.03	1.11
Col3	224	-0.05	1.11
Col3	225	-0.05	1.11
Col3	226	0.03	1.11
Col3	227	0.03	1.11
Col3	228	-0.05	1.11
Col3	229	-0.05	1.11
Col3	230	0.03	1.11
Col3	231	0.03	1.11
Col3	232	-0.05	1.11
Col3	233	0.03	1.11
Col3	234	-0.05	1.11
Col3	235	0.03	1.11
Col3	236	-0.05	1.11
Col3	237	0.03	1.11
Col3	238	-0.05	1.11
Col3	239	-0.05	1.11
Col3	240	0.03	1.11
Col3	241	0.03	1.11
Col3	242	-0.12	1.11
Col3	243	-0.12	1.11
Col3	244	0.08	1.11
Col3	245	0.08	1.11
Col3	246	-0.12	1.11
Col3	247	0.08	1.11
Col3	248	-0.12	1.11
Col3	249	-0.12	1.11
Col3	250	0.08	1.11
Col3	251	0.08	1.11
Col3	252	-0.12	1.11
Col3	253	-0.12	1.11

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col3	254	0.08	1.11
Col3	255	0.08	1.11
Col3	256	-0.12	1.11
Col3	257	-0.12	1.11
Col3	258	0.08	1.11
Col3	259	0.08	1.11
Col3	260	-0.12	1.11
Col3	261	0.08	1.11
Col3	262	-0.12	1.11
Col3	263	-0.12	1.11
Col3	264	0.08	1.11
Col3	265	0.08	1.11
Col3	266	-0.12	1.11
Col3	267	-0.12	1.11
Col3	268	0.08	1.11
Col3	269	0.08	1.11
Col3	270	-0.12	1.11
Col3	271	-0.12	1.11
Col3	272	0.08	1.11
Col3	273	0.08	1.11
Col3	274	-0.12	1.11
Col3	275	0.08	1.11
Col3	276	-0.12	1.11
Col3	277	-0.12	1.11
Col3	278	0.08	1.11
Col3	279	0.08	1.11
Col3	280	-0.12	1.11
Col3	281	-0.12	1.11
Col3	282	0.08	1.11
Col3	283	0.08	1.11
Col3	284	0.00	1.11
Col3	285	0.00	1.11
Col3	286	0.00	1.11
Col3	287	0.00	1.11
Col3	288	0.00	1.11
Col3	289	0.00	1.11
Col3	290	0.00	1.11
Col3	291	0.00	1.11
Col3	292	0.00	1.11
Col3	293	0.00	1.11
Col3	294	-0.12	1.11
Col3	295	0.08	1.11
Col3	296	0.00	1.11
Col3	297	0.00	1.11
Col3	298	0.00	1.11
Col3	299	0.00	1.11
Col3	300	0.00	1.11
Col3	301	0.00	1.11
Col3	302	0.00	1.11
Col3	303	0.00	1.11
Col3	304	0.00	1.11
Col3	305	0.00	1.11
Col3	306	0.00	1.11
Col3	307	0.00	1.11

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col3	308	0.00	1.11
Col3	309	0.00	1.11
Col3	310	0.00	1.11
Col3	311	0.00	1.11
Col3	312	0.00	1.11
Col3	313	0.00	1.11
Col3	314	0.00	1.11
Col3	315	0.00	1.11
Col3	316	0.00	1.11
Col3	317	0.00	1.11
Col3	318	0.00	1.11
Col3	319	0.00	1.11
Col3	320	0.00	1.11
Col3	321	0.00	1.11
Col3	322	0.00	1.11
Col3	323	0.00	1.11
Col3	324	0.00	1.11
Col3	325	0.00	1.11
Col3	326	0.00	1.11
Col3	327	0.00	1.11
Col3	328	0.00	1.11
Col4	210	0.00	1.04
Col4	211	0.00	1.04
Col4	212	0.00	1.04
Col4	213	0.00	1.04
Col4	214	-0.02	1.04
Col4	215	-0.02	1.04
Col4	216	0.01	1.04
Col4	217	0.01	1.04
Col4	218	0.01	1.04
Col4	219	-0.02	1.04
Col4	220	-0.02	1.04
Col4	221	-0.02	1.04
Col4	222	0.01	1.04
Col4	223	0.01	1.04
Col4	224	-0.02	1.04
Col4	225	-0.02	1.04
Col4	226	0.01	1.04
Col4	227	0.01	1.04
Col4	228	-0.02	1.04
Col4	229	-0.02	1.04
Col4	230	0.01	1.04
Col4	231	0.01	1.04
Col4	232	-0.02	1.04
Col4	233	0.01	1.04
Col4	234	-0.02	1.04
Col4	235	0.01	1.04
Col4	236	-0.02	1.04
Col4	237	0.01	1.04
Col4	238	-0.02	1.04
Col4	239	-0.02	1.04
Col4	240	0.01	1.04
Col4	241	0.01	1.04
Col4	242	-0.05	1.04

		Job No	011467_RF	**Date**	3/26/2024
		Customer	Norsteel Buildings	**Designed By**	MQZ
		Description	2040503 Ontario Inc/NS24-11		
			Vars/ON/K0A 3H0		

Col4	243	-0.05	1.04
Col4	244	0.03	1.04
Col4	245	0.03	1.04
Col4	246	-0.05	1.04
Col4	247	0.03	1.04
Col4	248	-0.05	1.04
Col4	249	-0.05	1.04
Col4	250	0.03	1.04
Col4	251	0.03	1.04
Col4	252	-0.05	1.04
Col4	253	-0.05	1.04
Col4	254	0.03	1.04
Col4	255	0.03	1.04
Col4	256	-0.05	1.04
Col4	257	-0.05	1.04
Col4	258	0.03	1.04
Col4	259	0.03	1.04
Col4	260	-0.05	1.04
Col4	261	0.03	1.04
Col4	262	-0.05	1.04
Col4	263	-0.05	1.04
Col4	264	0.03	1.04
Col4	265	0.03	1.04
Col4	266	-0.05	1.04
Col4	267	-0.05	1.04
Col4	268	0.03	1.04
Col4	269	0.03	1.04
Col4	270	-0.05	1.04
Col4	271	-0.05	1.04
Col4	272	0.03	1.04
Col4	273	0.03	1.04
Col4	274	-0.05	1.04
Col4	275	0.03	1.04
Col4	276	-0.05	1.04
Col4	277	-0.05	1.04
Col4	278	0.03	1.04
Col4	279	0.03	1.04
Col4	280	-0.05	1.04
Col4	281	-0.05	1.04
Col4	282	0.03	1.04
Col4	283	0.03	1.04
Col4	284	0.00	1.04
Col4	285	0.00	1.04
Col4	286	0.00	1.04
Col4	287	0.00	1.04
Col4	288	0.00	1.04
Col4	289	0.00	1.04
Col4	290	0.00	1.04
Col4	291	0.00	1.04
Col4	292	0.00	1.04
Col4	293	0.00	1.04
Col4	294	-0.05	1.04
Col4	295	0.03	1.04
Col4	296	0.00	1.04

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col4	297	0.00	1.04
Col4	298	0.00	1.04
Col4	299	0.00	1.04
Col4	300	0.00	1.04
Col4	301	0.00	1.04
Col4	302	0.00	1.04
Col4	303	0.00	1.04
Col4	304	0.00	1.04
Col4	305	0.00	1.04
Col4	306	0.00	1.04
Col4	307	0.00	1.04
Col4	308	0.00	1.04
Col4	309	0.00	1.04
Col4	310	0.00	1.04
Col4	311	0.00	1.04
Col4	312	0.00	1.04
Col4	313	0.00	1.04
Col4	314	0.00	1.04
Col4	315	0.00	1.04
Col4	316	0.00	1.04
Col4	317	0.00	1.04
Col4	318	0.00	1.04
Col4	319	0.00	1.04
Col4	320	0.00	1.04
Col4	321	0.00	1.04
Col4	322	0.00	1.04
Col4	323	0.00	1.04
Col4	324	0.00	1.04
Col4	325	0.00	1.04
Col4	326	0.00	1.04
Col4	327	0.00	1.04
Col4	328	0.00	1.04

RAFTER DEFLECTIONS - Service_Load:

Id	Load Id	Deflection(in) Calc	Limit
Raf1	210	-0.01	0.85
Raf1	211	-0.01	0.85
Raf1	212	-0.04	0.85
Raf1	213	-0.08	0.85
Raf1	214	-0.04	0.85
Raf1	215	-0.04	0.85
Raf1	216	-0.04	0.85
Raf1	217	-0.04	0.85
Raf1	218	-0.04	0.85
Raf1	219	-0.04	0.85
Raf1	220	-0.04	0.85
Raf1	221	-0.04	0.85
Raf1	222	-0.04	0.85
Raf1	223	-0.04	0.85
Raf1	224	-0.04	0.85
Raf1	225	-0.04	0.85

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Raf1	226	-0.04	0.85
Raf1	227	-0.04	0.85
Raf1	228	-0.08	0.85
Raf1	229	-0.07	0.85
Raf1	230	-0.08	0.85
Raf1	231	-0.07	0.85
Raf1	232	-0.08	0.85
Raf1	233	-0.08	0.85
Raf1	234	-0.08	0.85
Raf1	235	-0.08	0.85
Raf1	236	-0.08	0.85
Raf1	237	-0.08	0.85
Raf1	238	-0.07	0.85
Raf1	239	-0.07	0.85
Raf1	240	-0.07	0.85
Raf1	241	-0.07	0.85
Raf1	242	0.00	0.85
Raf1	243	0.01	0.85
Raf1	244	0.00	0.85
Raf1	245	0.01	0.85
Raf1	246	-0.01	0.85
Raf1	247	-0.01	0.85
Raf1	248	-0.01	0.85
Raf1	249	0.00	0.85
Raf1	250	-0.01	0.85
Raf1	251	0.00	0.85
Raf1	252	0.01	0.85
Raf1	253	0.01	0.85
Raf1	254	0.01	0.85
Raf1	255	0.01	0.85
Raf1	256	-0.01	0.85
Raf1	257	0.00	0.85
Raf1	258	-0.01	0.85
Raf1	259	0.00	0.85
Raf1	260	-0.03	0.85
Raf1	261	-0.03	0.85
Raf1	262	-0.03	0.85
Raf1	263	-0.02	0.85
Raf1	264	-0.03	0.85
Raf1	265	-0.02	0.85
Raf1	266	0.00	0.85
Raf1	267	0.00	0.85
Raf1	268	0.00	0.85
Raf1	269	0.00	0.85
Raf1	270	-0.03	0.85
Raf1	271	-0.02	0.85
Raf1	272	-0.03	0.85
Raf1	273	-0.02	0.85
Raf1	274	-0.05	0.85
Raf1	275	-0.05	0.85
Raf1	276	-0.05	0.85
Raf1	277	-0.04	0.85
Raf1	278	-0.05	0.85
Raf1	279	-0.04	0.85

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Raf1	280	-0.02	0.85
Raf1	281	-0.02	0.85
Raf1	282	-0.02	0.85
Raf1	283	-0.02	0.85
Raf1	284	-0.01	0.85
Raf1	285	-0.01	0.85
Raf1	286	-0.03	0.85
Raf1	287	-0.03	0.85
Raf1	288	0.02	0.85
Raf1	289	0.02	0.85
Raf1	290	0.00	0.85
Raf1	291	0.01	0.85
Raf1	292	0.02	0.85
Raf1	293	0.02	0.85
Raf1	294	0.00	0.85
Raf1	295	0.00	0.85
Raf1	296	0.00	0.85
Raf1	297	0.00	0.85
Raf1	298	-0.07	0.85
Raf1	299	-0.03	0.85
Raf1	300	-0.06	0.85
Raf1	301	-0.03	0.85
Raf1	302	-0.05	0.85
Raf1	303	-0.03	0.85
Raf1	304	-0.03	0.85
Raf1	305	-0.04	0.85
Raf1	306	-0.04	0.85
Raf1	307	-0.04	0.85
Raf1	308	-0.07	0.85
Raf1	309	-0.07	0.85
Raf1	310	-0.08	0.85
Raf1	311	-0.07	0.85
Raf1	312	-0.08	0.85
Raf1	313	0.01	0.85
Raf1	314	0.02	0.85
Raf1	315	-0.01	0.85
Raf1	316	0.00	0.85
Raf1	317	-0.01	0.85
Raf1	318	0.00	0.85
Raf1	319	-0.02	0.85
Raf1	320	-0.01	0.85
Raf1	321	-0.02	0.85
Raf1	322	-0.03	0.85
Raf1	323	-0.02	0.85
Raf1	324	-0.04	0.85
Raf1	325	-0.03	0.85
Raf1	326	-0.04	0.85
Raf1	327	-0.03	0.85
Raf1	328	-0.03	0.85
Raf2	210	-0.01	0.85
Raf2	211	-0.01	0.85
Raf2	212	-0.05	0.85
Raf2	213	-0.08	0.85
Raf2	214	-0.04	0.85

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Raf2	215	-0.04	0.85
Raf2	216	-0.04	0.85
Raf2	217	-0.04	0.85
Raf2	218	-0.05	0.85
Raf2	219	-0.05	0.85
Raf2	220	-0.04	0.85
Raf2	221	-0.04	0.85
Raf2	222	-0.04	0.85
Raf2	223	-0.04	0.85
Raf2	224	-0.04	0.85
Raf2	225	-0.04	0.85
Raf2	226	-0.04	0.85
Raf2	227	-0.04	0.85
Raf2	228	-0.08	0.85
Raf2	229	-0.07	0.85
Raf2	230	-0.08	0.85
Raf2	231	-0.07	0.85
Raf2	232	-0.08	0.85
Raf2	233	-0.08	0.85
Raf2	234	-0.08	0.85
Raf2	235	-0.08	0.85
Raf2	236	-0.08	0.85
Raf2	237	-0.08	0.85
Raf2	238	-0.07	0.85
Raf2	239	-0.07	0.85
Raf2	240	-0.07	0.85
Raf2	241	-0.07	0.85
Raf2	242	0.00	0.85
Raf2	243	0.01	0.85
Raf2	244	0.00	0.85
Raf2	245	0.01	0.85
Raf2	246	-0.01	0.85
Raf2	247	-0.01	0.85
Raf2	248	-0.01	0.85
Raf2	249	0.00	0.85
Raf2	250	-0.01	0.85
Raf2	251	0.00	0.85
Raf2	252	0.01	0.85
Raf2	253	0.01	0.85
Raf2	254	0.01	0.85
Raf2	255	0.01	0.85
Raf2	256	-0.01	0.85
Raf2	257	0.00	0.85
Raf2	258	-0.01	0.85
Raf2	259	0.00	0.85
Raf2	260	-0.03	0.85
Raf2	261	-0.03	0.85
Raf2	262	-0.03	0.85
Raf2	263	-0.02	0.85
Raf2	264	-0.03	0.85
Raf2	265	-0.02	0.85
Raf2	266	0.00	0.85
Raf2	267	0.00	0.85
Raf2	268	0.00	0.85

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Raf2	269	0.00	0.85
Raf2	270	-0.03	0.85
Raf2	271	-0.02	0.85
Raf2	272	-0.03	0.85
Raf2	273	-0.02	0.85
Raf2	274	-0.05	0.85
Raf2	275	-0.05	0.85
Raf2	276	-0.05	0.85
Raf2	277	-0.04	0.85
Raf2	278	-0.05	0.85
Raf2	279	-0.04	0.85
Raf2	280	-0.02	0.85
Raf2	281	-0.02	0.85
Raf2	282	-0.02	0.85
Raf2	283	-0.02	0.85
Raf2	284	-0.01	0.85
Raf2	285	-0.01	0.85
Raf2	286	-0.03	0.85
Raf2	287	-0.03	0.85
Raf2	288	0.02	0.85
Raf2	289	0.02	0.85
Raf2	290	0.00	0.85
Raf2	291	0.01	0.85
Raf2	292	0.02	0.85
Raf2	293	0.02	0.85
Raf2	294	0.00	0.85
Raf2	295	0.00	0.85
Raf2	296	0.00	0.85
Raf2	297	0.00	0.85
Raf2	298	-0.07	0.85
Raf2	299	-0.03	0.85
Raf2	300	-0.03	0.85
Raf2	301	-0.07	0.85
Raf2	302	-0.05	0.85
Raf2	303	-0.03	0.85
Raf2	304	-0.03	0.85
Raf2	305	-0.04	0.85
Raf2	306	-0.04	0.85
Raf2	307	-0.04	0.85
Raf2	308	-0.07	0.85
Raf2	309	-0.07	0.85
Raf2	310	-0.08	0.85
Raf2	311	-0.07	0.85
Raf2	312	-0.08	0.85
Raf2	313	0.01	0.85
Raf2	314	0.02	0.85
Raf2	315	-0.01	0.85
Raf2	316	0.00	0.85
Raf2	317	-0.01	0.85
Raf2	318	0.00	0.85
Raf2	319	-0.02	0.85
Raf2	320	-0.01	0.85
Raf2	321	-0.02	0.85
Raf2	322	-0.03	0.85

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Raf2	323	-0.02	0.85
Raf2	324	-0.04	0.85
Raf2	325	-0.03	0.85
Raf2	326	-0.04	0.85
Raf2	327	-0.03	0.85
Raf2	328	-0.03	0.85

UNBRACED LENGTH:

Id	Major (ft)	--Minor(ft)-- Bend	Axial	----KL/R---- Major	Minor
Col1	18.8	7.5	7.5	66	73
Col2	17.7	7.5	7.5	62	73
Col3	16.6	7.5	7.5	58	73
Col4	15.6	7.5	7.5	54	73
Raf1	12.7	4.3	4.3	44	42
Raf2	13.4	4.3	4.3	47	42

LOAD COMBINATIONS:

Strength Combinations

1 - 1.25Dead+1.25Collateral+1.5Live
2 - 1.4Dead+1.4Collateral
3 - 1.25Dead+1.25Collateral+Snow+Snow_Drift+Slide_Snow
4 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Left1+0.4Wind_Pressure
5 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Left1+0.4Wind_Suction
6 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Right1+0.4Wind_Pressure
7 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Right1+0.4Wind_Suction
8 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Left2+0.4Wind_Pressure
9 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Left2+0.4Wind_Suction
10 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Right2+0.4Wind_Pressure
11 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Right2+0.4Wind_Suction
12 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Pressure+0.4Wind_Long1
13 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Pressure+0.4Wind_Long2
14 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Suction+0.4Wind_Long1
15 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Suction+0.4Wind_Long2
16 - 0.9Dead+1.5Live
17 - 0.9Dead+Snow+Snow_Drift+Slide_Snow
18 - 0.9Dead+1.5Live+0.4Wind_Left1+0.4Wind_Pressure
19 - 0.9Dead+1.5Live+0.4Wind_Left1+0.4Wind_Suction
20 - 0.9Dead+1.5Live+0.4Wind_Right1+0.4Wind_Pressure
21 - 0.9Dead+1.5Live+0.4Wind_Right1+0.4Wind_Suction
22 - 0.9Dead+1.5Live+0.4Wind_Left2+0.4Wind_Pressure
23 - 0.9Dead+1.5Live+0.4Wind_Left2+0.4Wind_Suction
24 - 0.9Dead+1.5Live+0.4Wind_Right2+0.4Wind_Pressure
25 - 0.9Dead+1.5Live+0.4Wind_Right2+0.4Wind_Suction
26 - 0.9Dead+1.5Live+0.4Wind_Pressure+0.4Wind_Long1
27 - 0.9Dead+1.5Live+0.4Wind_Pressure+0.4Wind_Long2
28 - 0.9Dead+1.5Live+0.4Wind_Suction+0.4Wind_Long1
29 - 0.9Dead+1.5Live+0.4Wind_Suction+0.4Wind_Long2

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
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30 - 1.25Dead+1.25Collateral+1.5Snow+1.5Snow_Drift+1.5Slide_Snow
31 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Left1+0.4Wind_Pressure+1.5Snow_Drift+1.5
32 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Left1+0.4Wind_Suction+1.5Snow_Drift+1.5S
33 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Right1+0.4Wind_Pressure+1.5Snow_Drift+1.
34 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Right1+0.4Wind_Suction+1.5Snow_Drift+1.5
35 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Left2+0.4Wind_Pressure+1.5Snow_Drift+1.5
36 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Left2+0.4Wind_Suction+1.5Snow_Drift+1.5S
37 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Right2+0.4Wind_Pressure+1.5Snow_Drift+1.
38 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Right2+0.4Wind_Suction+1.5Snow_Drift+1.5
39 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Pressure+0.4Wind_Long1+1.5Snow_Drift+1.5
40 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Pressure+0.4Wind_Long2+1.5Snow_Drift+1.5
41 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Suction+0.4Wind_Long1+1.5Snow_Drift+1.5S
42 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Suction+0.4Wind_Long2+1.5Snow_Drift+1.5S
43 - 0.9Dead+1.5Snow+1.5Snow_Drift+1.5Slide_Snow
44 - 0.9Dead+1.5Snow+0.4Wind_Left1+0.4Wind_Pressure+1.5Snow_Drift+1.5Slide_Snow
45 - 0.9Dead+1.5Snow+0.4Wind_Left1+0.4Wind_Suction+1.5Snow_Drift+1.5Slide_Snow
46 - 0.9Dead+1.5Snow+0.4Wind_Right1+0.4Wind_Pressure+1.5Snow_Drift+1.5Slide_Snow
47 - 0.9Dead+1.5Snow+0.4Wind_Right1+0.4Wind_Suction+1.5Snow_Drift+1.5Slide_Snow
48 - 0.9Dead+1.5Snow+0.4Wind_Left2+0.4Wind_Pressure+1.5Snow_Drift+1.5Slide_Snow
49 - 0.9Dead+1.5Snow+0.4Wind_Left2+0.4Wind_Suction+1.5Snow_Drift+1.5Slide_Snow
50 - 0.9Dead+1.5Snow+0.4Wind_Right2+0.4Wind_Pressure+1.5Snow_Drift+1.5Slide_Snow
51 - 0.9Dead+1.5Snow+0.4Wind_Right2+0.4Wind_Suction+1.5Snow_Drift+1.5Slide_Snow
52 - 0.9Dead+1.5Snow+0.4Wind_Pressure+0.4Wind_Long1+1.5Snow_Drift+1.5Slide_Snow
53 - 0.9Dead+1.5Snow+0.4Wind_Pressure+0.4Wind_Long2+1.5Snow_Drift+1.5Slide_Snow
54 - 0.9Dead+1.5Snow+0.4Wind_Suction+0.4Wind_Long1+1.5Snow_Drift+1.5Slide_Snow
55 - 0.9Dead+1.5Snow+0.4Wind_Suction+0.4Wind_Long2+1.5Snow_Drift+1.5Slide_Snow
56 - 1.25Dead+1.25Collateral+1.4Wind_Left1+1.4Wind_Suction
57 - 1.25Dead+1.25Collateral+1.4Wind_Right1+1.4Wind_Suction
58 - 1.25Dead+1.25Collateral+1.4Wind_Left1+1.4Wind_Pressure
59 - 1.25Dead+1.25Collateral+1.4Wind_Right1+1.4Wind_Pressure
60 - 1.25Dead+1.25Collateral+1.4Wind_Suction
61 - 1.25Dead+1.25Collateral+1.4Wind_Pressure
62 - 1.25Dead+1.25Collateral+1.4Wind_Pressure+1.4Wind_Long1
63 - 1.25Dead+1.25Collateral+1.4Wind_Pressure+1.4Wind_Long2
64 - 1.25Dead+1.25Collateral+1.4Wind_Suction+1.4Wind_Long1
65 - 1.25Dead+1.25Collateral+1.4Wind_Suction+1.4Wind_Long2
66 - 1.25Dead+1.25Collateral+1.4Wind_Left2+1.4Wind_Pressure
67 - 1.25Dead+1.25Collateral+1.4Wind_Right2+1.4Wind_Suction
68 - 1.25Dead+1.25Collateral+1.4Wind_Left2+1.4Wind_Suction
69 - 1.25Dead+1.25Collateral+1.4Wind_Right2+1.4Wind_Pressure
70 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Left1+1.4Wind_Suction
71 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Right1+1.4Wind_Suction
72 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Left1+1.4Wind_Pressure
73 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Right1+1.4Wind_Pressure
74 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Suction
75 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Pressure
76 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Pressure+1.4Wind_Long1
77 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Pressure+1.4Wind_Long2
78 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Suction+1.4Wind_Long1
79 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Suction+1.4Wind_Long2
80 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Left2+1.4Wind_Pressure
81 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Right2+1.4Wind_Suction
82 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Left2+1.4Wind_Suction
83 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Right2+1.4Wind_Pressure

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	Customer	Norsteel Buildings	**Designed By**	MQZ
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84 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Left1+1.4Wind_Suction+Snow_Drift/2+Slide_
85 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Right1+1.4Wind_Suction+Snow_Drift/2+Slide
86 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Left1+1.4Wind_Pressure+Snow_Drift/2+Slide
87 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Right1+1.4Wind_Pressure+Snow_Drift/2+Slid
88 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Suction+Snow_Drift/2+Slide_Snow/2
89 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Pressure+Snow_Drift/2+Slide_Snow/2
90 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Pressure+1.4Wind_Long1+Snow_Drift/2+Slide
91 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Pressure+1.4Wind_Long2+Snow_Drift/2+Slide
92 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Suction+1.4Wind_Long1+Snow_Drift/2+Slide_
93 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Suction+1.4Wind_Long2+Snow_Drift/2+Slide_
94 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Left2+1.4Wind_Pressure+Snow_Drift/2+Slide
95 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Right2+1.4Wind_Suction+Snow_Drift/2+Slide
96 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Left2+1.4Wind_Suction+Snow_Drift/2+Slide_
97 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Right2+1.4Wind_Pressure+Snow_Drift/2+Slid
98 - 0.9Dead+1.4Wind_Left1+1.4Wind_Suction
99 - 0.9Dead+1.4Wind_Right1+1.4Wind_Suction
100 - 0.9Dead+1.4Wind_Left1+1.4Wind_Pressure
101 - 0.9Dead+1.4Wind_Right1+1.4Wind_Pressure
102 - 0.9Dead+1.4Wind_Suction
103 - 0.9Dead+1.4Wind_Pressure
104 - 0.9Dead+1.4Wind_Pressure+1.4Wind_Long1
105 - 0.9Dead+1.4Wind_Pressure+1.4Wind_Long2
106 - 0.9Dead+1.4Wind_Suction+1.4Wind_Long1
107 - 0.9Dead+1.4Wind_Suction+1.4Wind_Long2
108 - 0.9Dead+1.4Wind_Left2+1.4Wind_Pressure
109 - 0.9Dead+1.4Wind_Right2+1.4Wind_Suction
110 - 0.9Dead+1.4Wind_Left2+1.4Wind_Suction
111 - 0.9Dead+1.4Wind_Right2+1.4Wind_Pressure
112 - 0.9Dead+Live/2+1.4Wind_Left1+1.4Wind_Suction
113 - 0.9Dead+Live/2+1.4Wind_Right1+1.4Wind_Suction
114 - 0.9Dead+Live/2+1.4Wind_Left1+1.4Wind_Pressure
115 - 0.9Dead+Live/2+1.4Wind_Right1+1.4Wind_Pressure
116 - 0.9Dead+Live/2+1.4Wind_Suction
117 - 0.9Dead+Live/2+1.4Wind_Pressure
118 - 0.9Dead+Live/2+1.4Wind_Pressure+1.4Wind_Long1
119 - 0.9Dead+Live/2+1.4Wind_Pressure+1.4Wind_Long2
120 - 0.9Dead+Live/2+1.4Wind_Suction+1.4Wind_Long1
121 - 0.9Dead+Live/2+1.4Wind_Suction+1.4Wind_Long2
122 - 0.9Dead+Live/2+1.4Wind_Left2+1.4Wind_Pressure
123 - 0.9Dead+Live/2+1.4Wind_Right2+1.4Wind_Suction
124 - 0.9Dead+Live/2+1.4Wind_Left2+1.4Wind_Suction
125 - 0.9Dead+Live/2+1.4Wind_Right2+1.4Wind_Pressure
126 - 0.9Dead+Snow/2+1.4Wind_Left1+1.4Wind_Suction+Snow_Drift/2+Slide_Snow/2
127 - 0.9Dead+Snow/2+1.4Wind_Right1+1.4Wind_Suction+Snow_Drift/2+Slide_Snow/2
128 - 0.9Dead+Snow/2+1.4Wind_Left1+1.4Wind_Pressure+Snow_Drift/2+Slide_Snow/2
129 - 0.9Dead+Snow/2+1.4Wind_Right1+1.4Wind_Pressure+Snow_Drift/2+Slide_Snow/2
130 - 0.9Dead+Snow/2+1.4Wind_Suction+Snow_Drift/2+Slide_Snow/2
131 - 0.9Dead+Snow/2+1.4Wind_Pressure+Snow_Drift/2+Slide_Snow/2
132 - 0.9Dead+Snow/2+1.4Wind_Pressure+1.4Wind_Long1+Snow_Drift/2+Slide_Snow/2
133 - 0.9Dead+Snow/2+1.4Wind_Pressure+1.4Wind_Long2+Snow_Drift/2+Slide_Snow/2
134 - 0.9Dead+Snow/2+1.4Wind_Suction+1.4Wind_Long1+Snow_Drift/2+Slide_Snow/2
135 - 0.9Dead+Snow/2+1.4Wind_Suction+1.4Wind_Long2+Snow_Drift/2+Slide_Snow/2
136 - 0.9Dead+Snow/2+1.4Wind_Left2+1.4Wind_Pressure+Snow_Drift/2+Slide_Snow/2
137 - 0.9Dead+Snow/2+1.4Wind_Right2+1.4Wind_Suction+Snow_Drift/2+Slide_Snow/2

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
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138 - 0.9Dead+Snow/2+1.4Wind_Left2+1.4Wind_Suction+Snow_Drift/2+Slide_Snow/2
139 - 0.9Dead+Snow/2+1.4Wind_Right2+1.4Wind_Pressure+Snow_Drift/2+Slide_Snow/2
140 - Dead+Collateral+Seismic_L
141 - Dead+Collateral+Seismic_R
142 - Dead+Collateral+0.25Snow+Seismic_L+0.25Snow_Drift+0.25Slide_Snow
143 - Dead+Collateral+0.25Snow+Seismic_R+0.25Snow_Drift+0.25Slide_Snow
144 - 1.25Dead+1.25Collateral+1.5E2UNB_SL_L
145 - 1.25Dead+1.25Collateral+1.5E2UNB_SL_R
146 - 1.25Dead+1.25Collateral+Snow/2+Snow_Drift/2+Slide_Snow/2
147 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Left1
148 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Right1
149 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Left2
150 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Right2
151 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Long1
152 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Long2
153 - 0.9Dead+Snow/2+Snow_Drift/2+Slide_Snow/2
154 - 0.9Dead+1.5Live+0.4Wind_Left1
155 - 0.9Dead+1.5Live+0.4Wind_Right1
156 - 0.9Dead+1.5Live+0.4Wind_Left2
157 - 0.9Dead+1.5Live+0.4Wind_Right2
158 - 0.9Dead+1.5Live+0.4Wind_Long1
159 - 0.9Dead+1.5Live+0.4Wind_Long2
160 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Left1+1.5Snow_Drift+1.5Slide_Snow
161 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Right1+1.5Snow_Drift+1.5Slide_Snow
162 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Left2+1.5Snow_Drift+1.5Slide_Snow
163 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Right2+1.5Snow_Drift+1.5Slide_Snow
164 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Long1+1.5Snow_Drift+1.5Slide_Snow
165 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Long2+1.5Snow_Drift+1.5Slide_Snow
166 - 0.9Dead+1.5Snow+0.4Wind_Left1+1.5Snow_Drift+1.5Slide_Snow
167 - 0.9Dead+1.5Snow+0.4Wind_Right1+1.5Snow_Drift+1.5Slide_Snow
168 - 0.9Dead+1.5Snow+0.4Wind_Left2+1.5Snow_Drift+1.5Slide_Snow
169 - 0.9Dead+1.5Snow+0.4Wind_Right2+1.5Snow_Drift+1.5Slide_Snow
170 - 0.9Dead+1.5Snow+0.4Wind_Long1+1.5Snow_Drift+1.5Slide_Snow
171 - 0.9Dead+1.5Snow+0.4Wind_Long2+1.5Snow_Drift+1.5Slide_Snow
172 - 1.25Dead+1.25Collateral+1.4Wind_Left1
173 - 1.25Dead+1.25Collateral+1.4Wind_Right1
174 - 1.25Dead+1.25Collateral+1.4Wind_Left2
175 - 1.25Dead+1.25Collateral+1.4Wind_Right2
176 - 1.25Dead+1.25Collateral+1.4Wind_Long1
177 - 1.25Dead+1.25Collateral+1.4Wind_Long2
178 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Left1
179 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Right1
180 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Left2
181 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Right2
182 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Long1
183 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Long2
184 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Left1+Snow_Drift/2+Slide_Snow/2
185 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Right1+Snow_Drift/2+Slide_Snow/2
186 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Left2+Snow_Drift/2+Slide_Snow/2
187 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Right2+Snow_Drift/2+Slide_Snow/2
188 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Long1+Snow_Drift/2+Slide_Snow/2
189 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Long2+Snow_Drift/2+Slide_Snow/2
190 - 0.9Dead+1.4Wind_Left1
191 - 0.9Dead+1.4Wind_Right1

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

192 - 0.9Dead+1.4Wind_Left2
193 - 0.9Dead+1.4Wind_Right2
194 - 0.9Dead+1.4Wind_Long1
195 - 0.9Dead+1.4Wind_Long2
196 - 0.9Dead+Live/2+1.4Wind_Left1
197 - 0.9Dead+Live/2+1.4Wind_Right1
198 - 0.9Dead+Live/2+1.4Wind_Left2
199 - 0.9Dead+Live/2+1.4Wind_Right2
200 - 0.9Dead+Live/2+1.4Wind_Long1
201 - 0.9Dead+Live/2+1.4Wind_Long2
202 - 0.9Dead+Snow/2+1.4Wind_Left1+Snow_Drift/2+Slide_Snow/2
203 - 0.9Dead+Snow/2+1.4Wind_Right1+Snow_Drift/2+Slide_Snow/2
204 - 0.9Dead+Snow/2+1.4Wind_Left2+Snow_Drift/2+Slide_Snow/2
205 - 0.9Dead+Snow/2+1.4Wind_Right2+Snow_Drift/2+Slide_Snow/2
206 - 0.9Dead+Snow/2+1.4Wind_Long1+Snow_Drift/2+Slide_Snow/2
207 - 0.9Dead+Snow/2+1.4Wind_Long2+Snow_Drift/2+Slide_Snow/2
208 - Dead+Collateral+Live/2+Seismic_L
209 - Dead+Collateral+Live/2+Seismic_R
Deflection Combinations
210 - Dead
211 - Dead+Collateral
212 - Dead+Collateral+Live
213 - Dead+Collateral+0.9Snow+0.9Snow_Drift+0.9Slide_Snow
214 - Dead+Collateral+Live+0.3Wind_Left1+0.3Wind_Pressure
215 - Dead+Collateral+Live+0.3Wind_Right1+0.3Wind_Pressure
216 - Dead+Collateral+Live+0.3Wind_Left1+0.3Wind_Suction
217 - Dead+Collateral+Live+0.3Wind_Right1+0.3Wind_Suction
218 - Dead+Collateral+Live+0.3Wind_Suction
219 - Dead+Collateral+Live+0.3Wind_Pressure
220 - Dead+Collateral+Live+0.3Wind_Left2+0.3Wind_Pressure
221 - Dead+Collateral+Live+0.3Wind_Right2+0.3Wind_Pressure
222 - Dead+Collateral+Live+0.3Wind_Left2+0.3Wind_Suction
223 - Dead+Collateral+Live+0.3Wind_Right2+0.3Wind_Suction
224 - Dead+Collateral+Live+0.3Wind_Pressure+0.3Wind_Long1
225 - Dead+Collateral+Live+0.3Wind_Pressure+0.3Wind_Long2
226 - Dead+Collateral+Live+0.3Wind_Suction+0.3Wind_Long1
227 - Dead+Collateral+Live+0.3Wind_Suction+0.3Wind_Long2
228 - Dead+Collateral+0.9Snow+0.3Wind_Left1+0.3Wind_Pressure+0.9Snow_Drift+0.9Slide_Sn
229 - Dead+Collateral+0.9Snow+0.3Wind_Right1+0.3Wind_Pressure+0.9Snow_Drift+0.9Slide_S
230 - Dead+Collateral+0.9Snow+0.3Wind_Left1+0.3Wind_Suction+0.9Snow_Drift+0.9Slide_Sno
231 - Dead+Collateral+0.9Snow+0.3Wind_Right1+0.3Wind_Suction+0.9Snow_Drift+0.9Slide_Sn
232 - Dead+Collateral+0.9Snow+0.3Wind_Pressure+0.9Snow_Drift+0.9Slide_Snow
233 - Dead+Collateral+0.9Snow+0.3Wind_Suction+0.9Snow_Drift+0.9Slide_Snow
234 - Dead+Collateral+0.9Snow+0.3Wind_Left2+0.3Wind_Pressure+0.9Snow_Drift+0.9Slide_Sn
235 - Dead+Collateral+0.9Snow+0.3Wind_Left2+0.3Wind_Suction+0.9Snow_Drift+0.9Slide_Sno
236 - Dead+Collateral+0.9Snow+0.3Wind_Right2+0.3Wind_Pressure+0.9Snow_Drift+0.9Slide_S
237 - Dead+Collateral+0.9Snow+0.3Wind_Right2+0.3Wind_Suction+0.9Snow_Drift+0.9Slide_Sn
238 - Dead+Collateral+0.9Snow+0.3Wind_Pressure+0.3Wind_Long1+0.9Snow_Drift+0.9Slide_Sn
239 - Dead+Collateral+0.9Snow+0.3Wind_Pressure+0.3Wind_Long2+0.9Snow_Drift+0.9Slide_Sn
240 - Dead+Collateral+0.9Snow+0.3Wind_Suction+0.3Wind_Long1+0.9Snow_Drift+0.9Slide_Sno
241 - Dead+Collateral+0.9Snow+0.3Wind_Suction+0.3Wind_Long2+0.9Snow_Drift+0.9Slide_Sno
242 - Dead+Collateral+0.75Wind_Left1+0.75Wind_Pressure
243 - Dead+Collateral+0.75Wind_Right1+0.75Wind_Pressure
244 - Dead+Collateral+0.75Wind_Left1+0.75Wind_Suction

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
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245 - Dead+Collateral+0.75Wind_Right1+0.75Wind_Suction
246 - Dead+Collateral+0.75Wind_Pressure
247 - Dead+Collateral+0.75Wind_Suction
248 - Dead+Collateral+0.75Wind_Left2+0.75Wind_Pressure
249 - Dead+Collateral+0.75Wind_Right2+0.75Wind_Pressure
250 - Dead+Collateral+0.75Wind_Left2+0.75Wind_Suction
251 - Dead+Collateral+0.75Wind_Right2+0.75Wind_Suction
252 - Dead+Collateral+0.75Wind_Pressure+0.75Wind_Long1
253 - Dead+Collateral+0.75Wind_Pressure+0.75Wind_Long2
254 - Dead+Collateral+0.75Wind_Suction+0.75Wind_Long1
255 - Dead+Collateral+0.75Wind_Suction+0.75Wind_Long2
256 - Dead+Collateral+Live/2+0.75Wind_Left1+0.75Wind_Pressure
257 - Dead+Collateral+Live/2+0.75Wind_Right1+0.75Wind_Pressure
258 - Dead+Collateral+Live/2+0.75Wind_Left1+0.75Wind_Suction
259 - Dead+Collateral+Live/2+0.75Wind_Right1+0.75Wind_Suction
260 - Dead+Collateral+Live/2+0.75Wind_Pressure
261 - Dead+Collateral+Live/2+0.75Wind_Suction
262 - Dead+Collateral+Live/2+0.75Wind_Left2+0.75Wind_Pressure
263 - Dead+Collateral+Live/2+0.75Wind_Right2+0.75Wind_Pressure
264 - Dead+Collateral+Live/2+0.75Wind_Left2+0.75Wind_Suction
265 - Dead+Collateral+Live/2+0.75Wind_Right2+0.75Wind_Suction
266 - Dead+Collateral+Live/2+0.75Wind_Pressure+0.75Wind_Long1
267 - Dead+Collateral+Live/2+0.75Wind_Pressure+0.75Wind_Long2
268 - Dead+Collateral+Live/2+0.75Wind_Suction+0.75Wind_Long1
269 - Dead+Collateral+Live/2+0.75Wind_Suction+0.75Wind_Long2
270 - Dead+Collateral+0.45Snow+0.75Wind_Left1+0.75Wind_Pressure+0.45Snow_Drift+0.45Sli
271 - Dead+Collateral+0.45Snow+0.75Wind_Right1+0.75Wind_Pressure+0.45Snow_Drift+0.45Sl
272 - Dead+Collateral+0.45Snow+0.75Wind_Left1+0.75Wind_Suction+0.45Snow_Drift+0.45Slid
273 - Dead+Collateral+0.45Snow+0.75Wind_Right1+0.75Wind_Suction+0.45Snow_Drift+0.45Sli
274 - Dead+Collateral+0.45Snow+0.75Wind_Pressure+0.45Snow_Drift+0.45Slide_Snow
275 - Dead+Collateral+0.45Snow+0.75Wind_Suction+0.45Snow_Drift+0.45Slide_Snow
276 - Dead+Collateral+0.45Snow+0.75Wind_Left2+0.75Wind_Pressure+0.45Snow_Drift+0.45Sli
277 - Dead+Collateral+0.45Snow+0.75Wind_Right2+0.75Wind_Pressure+0.45Snow_Drift+0.45Sl
278 - Dead+Collateral+0.45Snow+0.75Wind_Left2+0.75Wind_Suction+0.45Snow_Drift+0.45Slid
279 - Dead+Collateral+0.45Snow+0.75Wind_Right2+0.75Wind_Suction+0.45Snow_Drift+0.45Sli
280 - Dead+Collateral+0.45Snow+0.75Wind_Pressure+0.75Wind_Long1+0.45Snow_Drift+0.45Sli
281 - Dead+Collateral+0.45Snow+0.75Wind_Pressure+0.75Wind_Long2+0.45Snow_Drift+0.45Sli
282 - Dead+Collateral+0.45Snow+0.75Wind_Suction+0.75Wind_Long1+0.45Snow_Drift+0.45Slid
283 - Dead+Collateral+0.45Snow+0.75Wind_Suction+0.75Wind_Long2+0.45Snow_Drift+0.45Slid
284 - Dead+Collateral+Seismic_L
285 - Dead+Collateral+Seismic_R
286 - Dead+Collateral+0.22Snow+Seismic_L+0.22Snow_Drift+0.22Slide_Snow
287 - Dead+Collateral+0.22Snow+Seismic_R+0.22Snow_Drift+0.22Slide_Snow
288 - 0.75Wind_Left1
289 - 0.75Wind_Right1
290 - 0.75Wind_Left2
291 - 0.75Wind_Right2
292 - 0.75Wind_Long1
293 - 0.75Wind_Long2
294 - 0.75Wind_Pressure
295 - 0.75Wind_Suction
296 - Seismic_L
297 - Seismic_R
298 - 0.9Snow+0.9Snow_Drift+0.9Slide_Snow

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

299 - Live
300 - 0.9E2UNB_SL_L
301 - 0.9E2UNB_SL_R
302 - Dead+Collateral+0.45Snow+0.45Snow_Drift+0.45Slide_Snow
303 - Dead+Live+0.3Wind_Left1
304 - Dead+Live+0.3Wind_Right1
305 - Dead+Live+0.3Wind_Left2
306 - Dead+Live+0.3Wind_Right2
307 - Dead+Live
308 - Dead+0.9Snow+0.3Wind_Left1+0.9Snow_Drift+0.9Slide_Snow
309 - Dead+0.9Snow+0.3Wind_Right1+0.9Snow_Drift+0.9Slide_Snow
310 - Dead+0.9Snow+0.3Wind_Left2+0.9Snow_Drift+0.9Slide_Snow
311 - Dead+0.9Snow+0.3Wind_Right2+0.9Snow_Drift+0.9Slide_Snow
312 - Dead+0.9Snow+0.9Snow_Drift+0.9Slide_Snow
313 - Dead+0.75Wind_Left1
314 - Dead+0.75Wind_Right1
315 - Dead+0.75Wind_Left2
316 - Dead+0.75Wind_Right2
317 - Dead+Live/2+0.75Wind_Left1
318 - Dead+Live/2+0.75Wind_Right1
319 - Dead+Live/2+0.75Wind_Left2
320 - Dead+Live/2+0.75Wind_Right2
321 - Dead+Live/2
322 - Dead+0.45Snow+0.75Wind_Left1+0.45Snow_Drift+0.45Slide_Snow
323 - Dead+0.45Snow+0.75Wind_Right1+0.45Snow_Drift+0.45Slide_Snow
324 - Dead+0.45Snow+0.75Wind_Left2+0.45Snow_Drift+0.45Slide_Snow
325 - Dead+0.45Snow+0.75Wind_Right2+0.45Snow_Drift+0.45Slide_Snow
326 - Dead+0.45Snow+0.45Snow_Drift+0.45Slide_Snow
327 - Dead+Collateral+Live/2+Seismic_L
328 - Dead+Collateral+Live/2+Seismic_R

==========

011467_RF Wall 3 - Web To Flange Weld 3/26/24 3:27pm

==========

WELDS:

Id	Load Id	Shear (k)	Q (in3)	Ixx (in4)	----Web_To_Flange---- Size	Typ	Shear(k/in) Calc	Limit
Col1	58	1.2	6.8	61.9	0.188	F1	0.13	4.17
Col2	58	2.1	6.8	61.9	0.188	F1	0.23	4.17
Col3	58	1.9	6.8	61.9	0.188	F1	0.21	4.17
Col4	58	1.0	6.8	61.9	0.188	F1	0.11	4.17
Raf1	144	4.2	6.8	61.9	0.188	F1	0.46	4.17
Raf2	30	6.3	6.8	61.9	0.188	F1	0.69	4.17

==========

011467_RF Wall 3 - Rafter Splice Design 3/26/24 3:27pm

==========

DESIGN CONSTANTS:

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

```
 Plate Yield          = 55.00(ksi  )
 Bolt Type            = A325
 Bolt Shear   Stress  = 40.20(ksi  )
 Bolt Tension Stress  = 71.79(ksi  )


 PLATE SIZE:
 -----------
              -Surface- Rafter  ---Plate---  ---------------Bolts---------------
 Id     Type Id Locate  Depth  Width Thick    Dia  Gage RowT SpaceT RowB SpaceB
 ------ ---- -- ------ ------  ----- -----  ----- ----- ---- ------ ---- ------
 Spl1    M    2   10.4   8.14   6.00 0.375  0.625  3.00    2   3.00    2   3.00

 PLATE REACTIONS:
 ----------------
                 Load  Axial  Shear  Moment
 Id       Side    Id    (k )   (k )  (f-k )
 ------   ----  ----  -----  -----  ------
 Spl1     Top    99    1.42   1.15    0.48
          Bot   144    0.31   3.75   -1.85

 WELDS:
 ------
           -Top_Flange_To_Plate-  -Bot_Flange_To_Plate-  -----Web_To_Plate----
                     Shear(k/in )           Shear(k/in )           Shear(k/in )
 Id         Size Typ  Calc Limit   Size Typ  Calc Limit   Size Typ  Calc Limit
 ------    ----- --- ----- -----  ----- --- ----- -----  ----- --- ----- -----
 Spl1      0.188 F2   0.07  4.17  0.188 F2   0.28  4.17  0.125 F1   0.50  2.79

 LOAD COMBINATIONS:
 ------------------
   99 - 0.9Dead+1.4Wind_Right1+1.4Wind_Suction
  144 - 1.25Dead+1.25Collateral+1.5E2UNB_SL_L

================================================================================
 011467_RF           Wall 3 - Base Plate Design                  3/26/24  3:27pm
================================================================================

 DESIGN CONSTANTS:
 -----------------
 Base Plate Yield     = 55.00(ksi  )
 Concrete Bearing     =  1.05(ksi  )
 Bolt Type            = A307
 Bolt Shear   Stress  = 16.73(ksi  )
 Bolt Tension Stress  = 33.87(ksi  )


 BASE SIZE:
 ----------

        -----Base(in)----  --Plate_Size(in)--  ------Bolts(in)------    Req   Req
 Id     Type Depth   Elev  Width Thick Length    Dia Row Space  Gage  Thick   Dia
 -----  ---- -----  -----  ----- ----- ------  ----- --- -----  -----  ----- -----
 Col1    S3   8.14    0.0   8.00 0.500   9.00  0.750  2   4.00  4.00  0.103 0.172
```

Job No	011467_RF	**Date**	3/26/2024
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Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Col2	S3	8.14	0.0	8.00	0.500	9.00	0.750	2	4.00	4.00	0.227	0.286
Col3	S3	8.14	0.0	8.00	0.500	9.00	0.750	2	4.00	4.00	0.221	0.245
Col4	S3	8.14	0.0	8.00	0.500	9.00	0.750	2	4.00	4.00	0.114	0.156

S3 - Welded Plate

BASE REACTIONS:

	Max_Comp-		Max_Tension+Shear			-Max_Shear-		Max_Shear+Tension		
			Tens	Shear					Shear	Tens
Id	Load	Fy(k)	Load	Fy(k)	Fx(k)	Load	Fx(k)	Load	Fx(k)	Fy(k)
Col1	144	5.23	191	-1.02	0.00	139	1.17	101	1.17	-1.02
Col2	37	12.25	190	-5.07	2.52	86	3.25	100	3.25	-5.07
Col3	35	13.09	101	-4.84	2.24	111	2.39	111	2.39	-2.82
Col4	145	5.03	195	-1.28	0.00	58	0.97	105	0.97	-1.28

WELDS:

	-Top_Flange_To_Plate-				-Bot_Flange_To_Plate-				-----Web_To_Plate----			
			Shear(k/in)				Shear(k/in)				Shear(k/in)	
Id	Size	Typ	Calc	Limit	Size	Typ	Calc	Limit	Size	Typ	Calc	Limit
Col1	0.188	F1	0.10	4.17	0.188	F1	0.10	4.17	0.125	F1	0.16	2.79
Col2	0.188	F1	0.48	4.17	0.188	F1	0.48	4.17	0.125	F1	0.43	2.79
Col3	0.188	F1	0.46	4.17	0.188	F1	0.46	4.17	0.125	F1	0.32	2.79
Col4	0.188	F1	0.12	4.17	0.188	F1	0.12	4.17	0.125	F1	0.13	2.79

LOAD COMBINATIONS:

```
  35 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Left2+0.4Wind_Pressure+1.5Snow_Drift+1.5
  37 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Right2+0.4Wind_Pressure+1.5Snow_Drift+1.
  58 - 1.25Dead+1.25Collateral+1.4Wind_Left1+1.4Wind_Pressure
  86 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Left1+1.4Wind_Pressure+Snow_Drift/2+Slide
 100 - 0.9Dead+1.4Wind_Left1+1.4Wind_Pressure
 101 - 0.9Dead+1.4Wind_Right1+1.4Wind_Pressure
 105 - 0.9Dead+1.4Wind_Pressure+1.4Wind_Long2
 111 - 0.9Dead+1.4Wind_Right2+1.4Wind_Pressure
 139 - 0.9Dead+Snow/2+1.4Wind_Right2+1.4Wind_Pressure+Snow_Drift/2+Slide_Snow/2
 144 - 1.25Dead+1.25Collateral+1.5E2UNB_SL_L
 145 - 1.25Dead+1.25Collateral+1.5E2UNB_SL_R
 190 - 0.9Dead+1.4Wind_Left1
 191 - 0.9Dead+1.4Wind_Right1
 195 - 0.9Dead+1.4Wind_Long2
```


GIRT LAYOUT:

Bay	Girt	Bay_Offset	Design	Load	---Max_Load---

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Id	Id	Locate	Part	Start	End	Length	Weight	Width	Id	UC	Report	Rot
1	1	7.500	8x25Z16	0.00	13.33	12.33	35.8	7.00	WS	0.57	Moment	U
	2	14.000	8x25Z16	0.00	13.33	12.33	35.8	6.38	WS	0.52	Moment	U
2	3	7.500	8x25Z16	0.00	13.33	12.67	36.7	7.00	WS	0.60	Moment	U
	4	14.000	8x25Z16	0.00	13.33	12.67	36.7	5.85	WS	0.50	Moment	U
3	5	7.500	8x25Z16	0.00	13.33	12.33	35.8	7.00	WS	0.58	Moment	U
	6	14.000	8x25Z16	0.00	13.33	12.33	35.8	5.30	WS	0.43	Moment	U

WS - 1.4Wind_Suction

GIRT INSIDE FLANGE BRACE:

No._Brace/Bay		
1	2	3
1	1	1

GIRT STRENGTH:

Bay Id	Girt Id	Load Id	Factored_Load ----Shear(k)--- Calc	Limit	UC	Factored_Load --Moment(f-k)-- Calc	Limit	UC	Mom+ Shear	Service_Load ---Deflect(in)-- Calc	Limit	UC
1	1	WP	1.13	3.12	0.36	-3.47	6.87	0.51	0.39	-0.21	1.64	0.13
		WS	-1.06	3.12	0.34	3.22	5.65	0.57	0.36	0.20	1.64	0.12
1	2	WP	1.03	3.12	0.33	-3.16	6.87	0.46	0.36	-0.19	1.64	0.12
		WS	-0.97	3.12	0.31	2.94	5.65	0.52	0.33	0.18	1.64	0.11
2	3	WP	1.16	3.12	0.37	-3.66	6.87	0.53	0.41	-0.24	1.69	0.14
		WS	-1.07	3.12	0.34	3.38	5.65	0.60	0.38	0.22	1.69	0.13
2	4	WP	0.97	3.12	0.31	-3.06	6.87	0.45	0.34	-0.20	1.69	0.12
		WS	-0.89	3.12	0.29	2.83	5.65	0.50	0.32	0.18	1.69	0.11
3	5	WP	1.13	3.12	0.36	-3.50	6.87	0.51	0.39	-0.21	1.64	0.13
		WS	1.06	3.12	0.34	3.25	5.65	0.58	0.37	0.20	1.64	0.12
3	6	WP	0.85	3.12	0.27	-2.63	6.87	0.38	0.30	-0.16	1.64	0.10
		WS	0.80	3.12	0.26	2.44	5.65	0.43	0.28	0.15	1.64	0.09

WP - 1.4Wind_Pressure
WS - 1.4Wind_Suction

LAYOUT:

Open Id	Bay Id	Locate	Part	Length	Load Width	Load Weight	Reduction Factor Out	Reduction Factor In
6	3	JambL	8x275C16	7.50	1.67	21.8	0.00	0.00

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JambR	8x275C16	7.50	1.67	21.8	0.00	0.00
Header	8x275C16	3.33	0.17	9.7	0.00	0.65

STRENGTH/DEFLECTION:

Open Id	Member	Load Id	--Shear(k)- Calc	Limit	--Moment(ft,f-k)- Loc	Calc	Limit	Mom+ Shear	Max UC	Deflect(in) Calc	Limit
6	JambL	WP	0.16	3.12	3.75	-0.31	5.64	0.00	0.05	-0.01	1.00
		WS	-0.15	3.12	3.75	0.28	5.64	0.00	0.05	0.00	1.00
	JambR	WP	0.16	3.12	3.75	-0.31	5.64	0.00	0.05	-0.01	1.00
		WS	-0.15	3.12	3.75	0.28	5.64	0.00	0.05	0.00	1.00
	Header	WP	-0.01	3.12	1.67	-0.01	7.13	0.00	0.00	0.00	0.44
		WS	0.01	3.12	1.67	0.01	5.64	0.00	0.00	0.00	0.44

WP - 1.4Wind_Pressure
WS - 1.4Wind_Suction

==========

011467_RF Wall 3 - Diagonal Bracing Design 3/26/24 3:27pm

==========

PANEL SHEAR WITH NO BRACING:

Base Length	---Wind--- Load	Calc	--Seismic- Load	Calc	Limit
36.67	184	68.6	208	54.6	100.0

DIAGONAL BRACE LAYOUT:

Bay Id	Brace_Locate Start	End	Bay Width	Design Length	------Diag_Brace----- Type	Size	Part	----KL/R--- Calc	Limit
2	0.00	17.72	13.33	22.17	R	0.500	0.50_ROD		

DIAGONAL BRACE STRENGTH:

Bay Id	Brace_Locate Start	End	-----Wind(k)----- Load	Calc	Limit	----Seismic(k)--- Load	Calc	Limit	Max UC
2	0.00	17.72	172	4.18	6.78	140	2.56	6.78	0.62

COLUMN BASE REACTIONS:

Bay Id	Col Id	----Wind_Max(k)---- Load	Horz	Vert(+/-)	---Seismic_Max(k)-- Load	Horz	Vert(+/-)
2	2	56	-2.52	3.34	140	-1.54	2.05
2	3	81	1.40	1.87	141	1.54	2.05

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DEFLECTION AT RAFTER:

Wall Height	Deflection(in) Wind	Seismic	Span/Deflect ----Wind--- Calc	Limit	--Seismic-- Calc	Limit
17.7	0.09	0.07	999.	60.	999.	60.

LOAD COMBINATIONS:

56 - 1.25Dead+1.25Collateral+1.4Wind_Left1+1.4Wind_Suction
81 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Right2+1.4Wind_Suction
140 - Dead+Collateral+Seismic_L
141 - Dead+Collateral+Seismic_R
172 - 1.25Dead+1.25Collateral+1.4Wind_Left1
184 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Left1+Snow_Drift/2+Slide_Snow/2
208 - Dead+Collateral+Live/2+Seismic_L

011467_RF Wall 3 - Wall Panel Design 3/26/24 3:27pm

PANEL DATA:

Bay Id	Part	Type	Gage	Yield	Rotation Stiffness	Panel Height
3	26 PBR	PBR	26.00	80.0	0.00	18.09

MOMENTS & DEFLECTION:

Span Id	Locate(ft) Start	End	Load	Moment(ft-lb/ft) Start Calc	Limit	Midspan Calc	Limit	End Calc	Limit	Max UC	Deflect(in) Calc	Limit
1	0.00	7.50	WP	0.0	205.2	-130.9	187.2	166.2	205.2	0.81	-0.41	1.00
			WS	0.0	205.2	131.5	205.2	-167.0	187.2	0.89	0.41	1.00
2	7.50	14.00	WP	166.2	205.2	-41.6	187.2	67.5	205.2	0.81	-0.04	0.87
			WS	-167.0	187.2	41.8	205.2	-67.8	187.2	0.89	0.04	0.87
3	14.00	18.09	WP	67.5	205.2	-32.2	187.2	0.0	205.2	0.33	-0.02	0.55
			WS	-67.8	187.2	32.3	205.2	0.0	205.2	0.36	0.02	0.55

WP - 1.4Wind_Pressure
WS - 1.4Wind_Suction

011467_RF Wall 3 - Panel Zones 3/26/24 3:27pm

PANEL:

Thick	Yield	Tensile Strength

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Part	(in)	(ksi)	(ksi)
26 PBR	0.019	80.00	104.0

GIRT SCREWS:

Part	Dia (in)	Washer (in)	Limit (k)
SSS125	0.25	0.50	1.00

PANEL ZONE LAYOUT:

Zone Id	Description	----Wall(ft)--- Offset1	Offset2	Bay Id	--Girt(ft,ft,in)-- Locate	Load Width	Min Thick	Panel Span (ft)
1	Interior	4.00	36.00	1	7.50	7.00	0.059	7.50
2	Lt Edge	0.00	4.00	1	7.50	7.00	0.059	7.50
3	Rt Edge	36.00	40.00	3	7.50	7.00	0.059	7.50

GIRT SCREW CHECK:

Zone Id	Screw Space (ft)	Wind Suction (psf)	Load (k)	--------Limit(k)------- Girt Pullout	Panel Pullover	Screw Tension	Max UC
1	1.00	26.00	0.18	0.36	0.59	0.32	0.57
2	1.00	29.38	0.21	0.36	0.59	0.32	0.64
3	1.00	29.38	0.21	0.36	0.59	0.32	0.64

BASE SCREWS:

Part	Dia (in)	Washer (in)	Limit (k)
SSS125	0.25	0.50	1.00

BASE SCREW CHECK:

Base Length	Screw Space (ft)	Force/Screw Wind (k)	Seis (k)	Shear Limit (k)	Max UC
36.67	1.00	0.066	0.053	0.400	0.17

==========

011467_RF Wall 3 - Weight Summary 3/26/24 3:27pm

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Columns	= 1235.62
Rafters	= 722.50
Girts	= 216.53
Framed Openings	= 53.17

	Job No	011467_RF	**Date**	3/26/2024
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```
Bracing          =    29.03
Clips            =    19.80
                    --------
Total Weight     =  2276.66

================================================================================
 011467_RF           Wall 3 - Warning Summary                  3/26/24  3:27pm
================================================================================

                  .. No Warnings
```

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11		
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```
*=============================================================================
*011467_RF           Roof Design Input                          3/26/24  3:24pm
*=============================================================================

*( 1)JOBID:
    '011467_RF'

*( 2)PROGRAM OPTIONS:
*    Run     Run     Run     Lap
*   Purlin  Panel   Brace   Stiff
     'Y'     'Y'     'Y'     1.00

*( 3)DESIGN CODE:
*Design  ---Steel_Code---             ---Build---   Code     Seismic
* Code   Cold       Hot      Country  Code   Year   Label     Zone
  'LS'  'NACN12  ' 'CSA14 '  '----'  'NBC '  '15'  'ONBC 19 ' 'D  '

*( 4)DESIGN CONSTANTS:
*                            ---Strength_Factor---
*  ------Stress_Ratio------          ---Seismic---
*  Purlin Panel  Wind_Frame   Wind   Frame   Brace
   1.0000  1.00      1.00    1.000   1.000   1.000

*( 5)STEEL YIELDS:
* Web   Flg  C_Sec  W_Sec  R_Sec  P_Sec  T_Sec  U_Sec    EP     BP
 55.0  55.0   55.0   55.0   50.0   46.0   46.0   36.0  55.0   55.0

*( 6)DEFLECTION LIMITS:
*------Purlin-----   ----Extension---  ----Gable_Ext----  Facia  ---Panel---  Facia
Wind_Frame
*Live   Wind Total   Live  Wind Total   Live  Wind Total   Girt   Live  Wind  Panel
Wind  Seis
 180.0 120.0   0.0  120.0 120.0 120.0   60.0  60.0  60.0   90.0  180.0 120.0   90.0
60.0  40.0

*( 7)REPORTS:
*   Input   Roof   Eave   Roof   Cable  Roof
*   Echo   Purlin  Strut  Panel  Brace  Open
     'Y'     'Y'    'Y'    'Y'    'Y'    'Y'

*( 8)BUILDING LAYOUT:
*                           L_Expand_EW  R_Expand_EW  Column
*Type      Width    Length   Use  Offset  Use  Offset   Opt
'FF-'    40.0000   80.0000  'N '   0.000 'N '   0.000   '-'

*( 9)WALL LAYOUT:
* No. Id  Use     Type Opt    Length   Open
   5  1  'LEFT  ' '-'  '-'   40.0000   'N'
      2  'FRONT ' '-'  '-'   80.0000   'N'
      3  'RIGHT ' '-'  '-'   40.0000   'N'
      4  'BACK  ' '-'  '-'   80.0000   'N'
      5  'ROOF  ' '-'  '-'   80.0000   'N'
```

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	Description	2040503 Ontario Inc/NS24-11		
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```
*(10)SURFACE SHAPE:
* No.     X_Coord  Y_Coord  Opt
   3       0.0000  17.0000  '-'
          40.0000  20.3333  '-'
          40.0000   0.0000  '-'

*(11)WALL BAY SPACING:
* Wall     No.   ---Bay_Set---
*  Id     Sets     Width  Quan
    1       1    13.3333    3
    2       1    20.0000    4
    3       1    13.3333    3
    4       1    20.0000    4
    5       1    20.0000    4

*(12)WALL OPENINGS:
* Wall         Bay
*  Id    No.   Id    Offset     Width   HeightL   HeightR  Type  Option
    1     2     1    4.6666    4.0000    7.0000    7.0000    1     'N'
                3    4.6666    4.0000    7.0000    7.0000    1     'N'
    2     3     1    8.3333    3.3333    7.1667    7.1667    1     'N'
                3    5.0000   10.0000   12.0000   12.0000    2     'N'
                4    5.0000   10.0000   12.0000   12.0000    2     'N'
    3     1     3    3.0000    3.3333    7.1667    7.1667    1     'N'
    4     0

*(13)PARTIAL WALLS/ WIDE OPENINGS:
*Wall Set_Of          --Bay_Id--  ----Offset----             Total  Full_Load
* Id   Bays  Id  Use  Start  End   Start     End   Height   Weight  Girt  Col
   1     0
   2     0
   3     0
   4     0

*(14)JACK BEAM LAYOUT:
*            --Bay_Id-
* No.   Id   Start End   Offset   Height
   0

*(15)SURFACE EXTENSION/FRAME RECESS:
* Surf  ---Surf_Ext---  Frame_Recess
*  Id    Left    Right   Left    Right
    2   0.0000  0.0000  0.3333  0.3333

*(16)ENDWALL COLUMN/RAFTER:
*Wall  L_Column  R_Column
* Id   Type Rot  Type Rot   Rafter
   1   'R'  'N'  'R'  'N'  'W8X18   '
   3   'R'  'N'  'R'  'N'  'W8X18   '

*(17)PURLINS:
* Surf  Purlin                   --Flange_Strap--     Set   ----Set_Lap---
*  Id    Type   Offset  Project  Out  In    Space   Depth      Ext     Int
    2    'ZB'    0.000    0.000  'C'  'Y' 10.0000  10.000   0.0000  0.0000
```

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	Description	2040503 Ontario Inc/NS24-11		
		Vars/ON/K0A 3H0		

```
*(18)PURLIN SPACING:
* Surf  Space    Peak      Max     Set   No.   -Purlin_Set-
*  Id    Opt    Space    Space   Space  Sets    Space  Quan
    2    '-'   1.0000   5.0000  0.0000    0

*(19)PURLIN SIZE:
*Surf  Show
* Id    Id   No.   Part
   2     0     0

*(20)REPLACEMENT PURLINS:
*     Surf  Bay
*No.   Id    Id   Id  Part
   0

*(21)EAVE STRUT:
*Wall
* Id   Type  Rot  Opt   No.   Part
   2   'EO'  'I'  '-'    0
   4   'EO'  'I'  '-'    0

*(22)WALL GIRT:
*Wall  Girt   Girt
* Id   Type   Part       Offset    Proj
   1   'ZF'  '8x25Z16 '   0.000   0.000
   2   'ZB'  '8x25Z16 '   0.000   0.000
   3   'ZF'  '8x25Z16 '   0.000   0.000
   4   'ZB'  '8x25Z16 '   0.000   0.000

*(23)GUTTER/SOLDIER COLUMN:
*Wall  --Gutter--  Soldier_Opt
* Id   Use  Width  Rafter Brace
   2   'N'  0.000    '-'   '-'
   4   'N'  0.000    '-'   '-'

*(24)PANELS:
* Wall       ----Roof_Panel---  -----------Standing_Seam-----------  -Panel_Extend-
* Panel      Part        Start  Type Height  Seam Type        Clamp  Front     Back
 '26 PBR  ' '26 PBR  '  0.0000  '--'  0.000 '---------------'  'N'   0.000    0.000

*(25)LINER PANELS:
*      --Bay_Id-             Flange
*No.   Start End   Part       Opt
  0

*(26)INSULATION:
* Use  Thick  Part
  'N'  0.000 '--------'

*(27)ROOF BRACING OPTIONS:
*                 -----L_EW_Brace_To_Frame-----  -----R_EW_Brace_To_Frame-----
*Panel  Diagonal  Left_Bay      Right_Bay       Left_Bay      Right_Bay
*Shear  Bracing   Opt  Part     Opt  Part       Opt  Part     Opt  Part
```

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	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11		
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```
  'N'     'Y '     '-' '--------' '-' '--------'  '-' '--------' '-' '--------'

*(28)ROOF DIAGONAL BRACING:
*   Max_Pan  Brace   Each  User_Selected_Roof_Bays
*    Shear    Type    EW   No.  Bay_Id
     100.0  'R'       'L'   1     2
                            0

*(29)ROOF BRACING ATTACHMENT:
*Wall
* Id     No. Location
   1      4  0.0000  13.3333  26.6666  40.0000
   3      4  0.0000  13.3334  26.6667  40.0000

*(30)WALL/INTERIOR BRACING OPTIONS:
*         -----------Order_Of_Selection-----------
* Wall   Panel  Diagonal  Wind   Wind   Weak_Axis  Brace
*  Id    Shear  Bracing   Bent  Column   Bending   Option  Height
    2     'N'     'Y '     'N'    'N'      'N'      '--'   0.0000
    4     'N'     'Y '     'N'    'N'      'N'      '--'   0.0000
    5     'N'     'N '     'N'    'N'      'N'      '--'   0.0000

*(31)SIDEWALL DIAGONAL BRACING:
* Wall    Max_Pan            User_Selected_SW_Bays
*  Id      Shear   Type      No.  Bay_Id
    2      100.0  'R'         1     2
    4      100.0  'R'         1     3

*(32)WIND BENTS:
*Wall  Member  Column  Rafter  No.  Bay   Column     Rafter
* Id    Type    Depth   Depth  Bay   Id   Part       Part
   2    'W'      0.00    0.00    0
   4    'W'      0.00    0.00    0
   5    'W'      0.00    0.00    0

*(33)WIND COLUMNS:
*Wall  Member                                  Left/
* Id    Type  Depth  Part        No.   Bay_Id   Right
   2    'W'   0.00  '--------'    0
   4    'W'   0.00  '--------'    0
   5    'W'   0.00  '--------'    0

*(34)WALL BRACING ATTACHMENT:
*Wall                    --Bay_Id--                              No.   ----Level----
* Id     No.      Id     Start  End     Elev  Connect Option  Level  Height  Strut
   2       1       1       1     4     0.000    'F'     0       1   20.3333   'E'
   4       1       2       1     4     0.000    'F'     0       1   17.0000   'E'

*(35)INTERIOR DIAGONAL BRACING:
*         Attach          User_Selected_Int_Bays
*No.      Offset Type     No.   Bay_Id
  0

*(36)INTERIOR BRACING ATTACHMENT:
```

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```
*                --Bay_Id--            No.
*No.    Offset  Start  End     Elev  Level  Level_Height
   0

*(37)EXTENSION LAYOUT:
*    Ext  Wall                    --Bay_Id-   --Edge_Extend--  End_Option  End_Support
Frame
*No.  Id   Id   Type  Opt  Mount Start End     Left    Right  Left Right   Left Right
Opt
  0

*(38)EXTENSION SIZE:
*Ext ----Horizontal_Size----   ---------Vertical_Size--------  --Orient--
*Id   Height   Width   Slope      Elev  Height  Slope Project  Beam Panel


*(39)EXTENSION PURLINS:
*    Ext             --Flange_Strap--    Set  ----Set_Lap---    Peak     Max     Set
*No.  Id  Loc  Type  Out  In    Space  Depth     Ext     Int   Space   Space   Space
  0

*(40)EXTENSION EAVE STRUTS/GUTTERS:
*    Ext  ----Eave----  --Gutter--
*No.  Id  Type Rot Opt  Use  Width
  0

*(41)EXTENSION PANELS:
*    Ext                                ------------Standing_Seam-----------
*No.  Id  Loc   Part       Rot   Space  Type  Height  Seam Type        Clamp
  0

*(42)EXTENSION BRACING:
*    Ext   Run   Max_Pan  ---Loads---  Brace  User_Selected_Bays
*No.  Id  Brace   Shear   Wind   Seis  Type   No.  Bay_Id
  0

*(43)WALL BASE ELEVATION/DEAD:
*Wall  Base   Wall   Seis  --%_Open--
* Id   Elev   Dead   Opt   Seis  Wind
   1   0.00   2.20   'Y'   0.00  0.00
   2   0.00   2.20   'Y'   0.00  0.00
   3   0.00   2.20   'Y'   0.00  0.00
   4   0.00   2.20   'Y'   0.00  0.00
   5   0.00   8.20   'Y'   0.00  0.00

*(44)ROOF BASIC LOADS:
*                                        ------Deflection------
Wall  Seismic
*  Dead  Collat  Live   Snow   Rain   Basic    Load_Ratio     Bent   --Friction--
Edge  Ld_Rat
*  Load   Load   Load   Load   Load   Wind  Snow  Wind  Seis  Seis   Wind    Coef
Zone  Factor
   2.20   3.00  21.00  48.49   0.00   7.74  0.90  0.75  1.00  1.95   7.74  0.0000
4.000  1.0000
```

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11		
		Vars/ON/K0A 3H0		

```
*(45)WIND PRESSURE/SUCTION:
*    Wind     Wind    Wind
*    Press    Suct   Suct_Roof
      9.29  -20.12           .. Purlins
     10.83  -20.12           .. Interior Roof Panels
     12.77    2.71  -20.12   .. Long Bracing, Wall Interior Zone
     15.86    0.77           .. Long Bracing, Wall Edge Zone
     13.93   -8.51  -27.86   .. Long Bracing, Facia/Parapet

*(46)EXTENSION BASIC LOADS:
*                                                  -------Purlin_Wind-------
--------Panel_Wind--------
*Ext                                               Attach_Beam   Facia_Beam
Attach_Beam    Facia_Beam
*Id   Dead  Collat  Live   Snow  Drift  Slide  Rain  Press  Suct   Press  Suct   Press
 Suct  Press   Suct

*(47)ROOF EDGE & CORNER ZONES:
*Wind Surf  No  Zone                    ---Purlin---   ---Panel----  Screw
* Id   Id  Zone  Id    Width   Length  Press   Suct   Press   Suct   Suct
   1    2    9    1   0.0000   0.0000   1.00   1.00    1.00   1.00   1.00 .. Interior
                  3   0.0000   8.0000   1.00   1.31    1.00   1.42   1.42 .. Edge_Left
                  4   4.0000   0.0000   1.00   1.19    1.00   1.23   1.23 .. Edge_Top
                  5   0.0000   8.0000   1.00   1.31    1.00   1.42   1.42 .. Edge_Right
                  6   8.0000   0.0000   1.00   1.31    1.00   1.42   1.42 .. Edge_Bottom
                  7   8.0000   8.0000   1.00   1.19    1.00   1.58   1.58 ..
Corner_Top_Left
                  8   8.0000   8.0000   1.00   1.19    1.00   1.58   1.58 ..
Corner_Top_Right
                  9   8.0000  16.0000   1.00   1.38    1.00   2.15   2.15 ..
Corner_Bottom_Right
                 10   8.0000  16.0000   1.00   1.38    1.00   2.15   2.15 ..
Corner_Bottom_Left
   2    2    1    1   0.0000   0.0000   1.00   1.00    1.00   1.00   1.00 .. Interior

*(48)ROOF EDGE & CORNER ZONES, LONGITUDINAL:
* EW
*Wind Surf  No  Zone                    Purlin
* Id   Id  Zone  Id    Width   Length   Suct
   1    2    1    1   0.0000   0.0000   1.00   .Interior
   2    2    1    1   0.0000   0.0000   1.00   .Interior

*(49)EXTENSION EDGE ZONES:
*    Ext        No.  Zone           ---Purlin--  ---Panel---  Screw
*No.  Id  Orn  Zone   Id    Length  Press  Suct  Press  Suct   Suct
  0

*(50)PURLIN LOAD COMBINATIONS, STRENGTH:
* Surf    No.   Load                          -Add_Snow-        ---Wind1---
---Wind2---   Long_Wind  Aux_Load
*  Id    Load    Id   Dead Collat Live  Snow Drift Slide  Rain  Press  Suct  Press
Suct   EW1   EW2  Id  Coef
   2      34      1   1.25  1.25  1.50  0.00  0.00  0.00  0.00   0.00  0.00   0.00
```

| | | |

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

0.00 0.00 0.00 3 1.50
29 1.25 1.25 0.00 0.75 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 4 1.50
30 1.25 1.25 0.00 0.75 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 5 1.50
31 1.25 1.25 0.00 0.75 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 6 1.50
32 1.25 1.25 0.00 0.75 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 7 1.50
33 1.25 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 8 1.50
34 1.25 1.25 0.00 0.01 0.00 0.00 0.00 0.00 0.00 0.00
0.00 0.00 0.00 9 1.50

*(51)PURLIN LOAD COMBINATIONS, DEFLECTION:

* Surf	No.	Load			-Add_Snow-				---Wind1---		
---Wind2---		Long_Wind	Aux_Load								
* Id	Load	Id	Dead	Collat	Live	Snow	Drift	Slide	Rain	Press	Suct	Press
Suct	EW1	EW2	Id	Coef								
2	24	35	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00								
		36	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00								
		37	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.40	0.00	0.00
0.00	0.00	0.00	0	0.00								
		38	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.40	0.00
0.00	0.00	0.00	0	0.00								
		39	1.00	1.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0	0.00								
		40	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.40	0.00	0.00
0.00	0.00	0.00	0	0.00								
		41	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.40	0.00
0.00	0.00	0.00	0	0.00								
		42	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
0.00	0.00	0.00	0	0.00								
		43	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00	0.00	0.00	0	0.00								
		44	1.00	0.00	0.50	0.00	0.00	0.00	0.00	1.00	0.00	0.00
0.00	0.00	0.00	0	0.00								
		45	1.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00	0.00	0.00	0	0.00								
		46	1.00	1.00	0.00	0.50	0.50	0.50	0.00	1.00	0.00	0.00
0.00	0.00	0.00	0	0.00								
		47	1.00	1.00	0.00	0.50	0.50	0.50	0.00	0.00	1.00	0.00
0.00	0.00	0.00	0	0.00								
		48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
0.00	0.00	0.00	0	0.00								
		49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00	0.00	0.00	0	0.00								
		50	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	1	1.00								
		51	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	2	1.00								
		52	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

```
0.00  0.00  0.00   3  1.00
                  53   0.00  0.00  0.00  0.50  0.00  0.00  0.00   0.00  0.00   0.00
0.00  0.00  0.00   4  1.00
                  54   0.00  0.00  0.00  0.50  0.00  0.00  0.00   0.00  0.00   0.00
0.00  0.00  0.00   5  1.00
                  55   0.00  0.00  0.00  0.50  0.00  0.00  0.00   0.00  0.00   0.00
0.00  0.00  0.00   6  1.00
                  56   0.00  0.00  0.00  0.50  0.00  0.00  0.00   0.00  0.00   0.00
0.00  0.00  0.00   7  1.00
                  57   0.00  0.00  0.00  0.00  0.00  0.00  0.00   0.00  0.00   0.00
0.00  0.00  0.00   8  1.00
                  58   0.00  0.00  0.00  0.01  0.00  0.00  0.00   0.00  0.00   0.00
0.00  0.00  0.00   9  1.00

*(52)BRACING LOAD COMBINATIONS, STRENGTH:
*         No.   Load                          -Add_Snow-          Long_Wind
Aux_Load
*        Load    Id   Dead Collat Live  Snow Drift Slide  Rain   EW1   EW2  Seis  Id
Coef
          12      1   1.25  1.25  1.50  0.00  0.00  0.00  0.00  0.40  0.00  0.00   0
0.00
                  2   1.25  1.25  1.50  0.00  0.00  0.00  0.00  0.00  0.40  0.00   0
0.00
                  3   1.25  1.25  0.00  1.50  0.00  0.00  0.00  0.40  0.00  0.00   0
0.00
                  4   1.25  1.25  0.00  1.50  0.00  0.00  0.00  0.00  0.40  0.00   0
0.00
                  5   1.25  1.25  0.00  1.50  1.50  1.50  0.00  0.40  0.00  0.00   0
0.00
                  6   1.25  1.25  0.00  1.50  1.50  1.50  0.00  0.00  0.40  0.00   0
0.00
                  7   0.90  0.00  0.00  0.00  0.00  0.00  0.00  1.40  0.00  0.00   0
0.00
                  8   0.90  0.00  0.00  0.00  0.00  0.00  0.00  0.00  1.40  0.00   0
0.00
                  9   1.00  1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  1.00   0
0.00
                 10   1.00  1.00  0.50  0.00  0.00  0.00  0.00  0.00  0.00  1.00   0
0.00
                 11   1.00  1.00  0.00  0.25  0.00  0.00  0.00  0.00  0.00  1.00   0
0.00
                 12   1.00  1.00  0.00  0.25  0.25  0.25  0.00  0.00  0.00  1.00   0
0.00

*(53)BRACING LOAD COMBINATIONS, DEFLECTION:
*         No.   Load                          -Add_Snow-          Long_Wind
Aux_Load
*        Load    Id   Dead Collat Live  Snow Drift Slide  Rain   EW1   EW2  Seis  Id
Coef
          12     13   1.00  1.00  1.00  0.00  0.00  0.00  0.00  0.40  0.00  0.00   0
0.00
                 14   1.00  1.00  1.00  0.00  0.00  0.00  0.00  0.00  0.40  0.00   0
0.00
                 15   1.00  1.00  0.00  1.00  0.00  0.00  0.00  0.40  0.00  0.00   0
```

	Job No	011467_RF	Date	3/26/2024
	Customer	Norsteel Buildings	Designed By	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

```
0.00
                16   1.00  1.00  0.00  1.00  0.00  0.00  0.00  0.00  0.40  0.00    0
0.00
                17   1.00  1.00  0.00  1.00  1.00  1.00  0.00  0.40  0.00  0.00    0
0.00
                18   1.00  1.00  0.00  1.00  1.00  1.00  0.00  0.00  0.40  0.00    0
0.00
                19   1.00  0.00  0.00  0.00  0.00  0.00  0.00  1.00  0.00  0.00    0
0.00
                20   1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  1.00  0.00    0
0.00
                21   1.00  1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  1.00    0
0.00
                22   1.00  1.00  0.50  0.00  0.00  0.00  0.00  0.00  0.00  1.00    0
0.00
                23   1.00  1.00  0.00  0.25  0.00  0.00  0.00  0.00  0.00  1.00    0
0.00
                24   1.00  1.00  0.00  0.25  0.25  0.25  0.00  0.00  0.00  1.00    0
0.00

*(54)EXTENSION LOAD COMBINATIONS, STRENGTH:
*         No.   Load                                                    Wind  Wind
*        Load    Id   Dead Collat Live  Snow  Drift  Slide  Rain  Press  Suct
           0

*(55)EXTENSION LOAD COMBINATIONS, DEFLECTION:
*         No.   Load                                                    Wind  Wind
*        Load    Id   Dead Collat Live  Snow  Drift  Slide  Rain  Press  Suct
           0

*(56)PANEL LOAD COMBINATIONS, STRENGTH:
*  No.   Load                        -Add_Snow-        ---Wind1---  ---Wind2---
Aux_Load
* Load    Id   Dead Collat Live  Snow Drift Slide  Rain  Press  Suct  Press  Suct  Id
Coef
   27      1   1.25  0.00  1.50  0.00  0.00  0.00  0.00   0.00  0.00   0.00  0.00   0
0.00
           2   1.40  0.00  0.00  0.00  0.00  0.00  0.00   0.00  0.00   0.00  0.00   0
0.00
           3   1.25  0.00  1.50  0.00  0.00  0.00  0.00   0.40  0.00   0.00  0.00   0
0.00
           4   1.25  0.00  1.50  0.00  0.00  0.00  0.00   0.00  0.40   0.00  0.00   0
0.00
           5   0.90  0.00  1.50  0.00  0.00  0.00  0.00   0.00  0.00   0.00  0.00   0
0.00
           6   0.90  0.00  1.50  0.00  0.00  0.00  0.00   0.40  0.00   0.00  0.00   0
0.00
           7   0.90  0.00  1.50  0.00  0.00  0.00  0.00   0.00  0.40   0.00  0.00   0
0.00
           8   1.25  0.00  0.00  1.50  1.50  1.50  0.00   0.00  0.00   0.00  0.00   0
0.00
           9   1.25  0.00  0.00  1.50  1.50  1.50  0.00   0.40  0.00   0.00  0.00   0
0.00
          10   1.25  0.00  0.00  1.50  1.50  1.50  0.00   0.00  0.40   0.00  0.00   0
```

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

0.00													
	11	0.90	0.00	0.00	1.50	1.50	1.50	0.00	0.00	0.00	0.00	0.00	0
0.00													
	12	0.90	0.00	0.00	1.50	1.50	1.50	0.00	0.40	0.00	0.00	0.00	0
0.00													
	13	0.90	0.00	0.00	1.50	1.50	1.50	0.00	0.00	0.40	0.00	0.00	0
0.00													
	14	1.25	0.00	0.00	0.00	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0
0.00													
	15	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.40	0.00	0.00	0
0.00													
	16	1.25	0.00	0.50	0.00	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0
0.00													
	17	1.25	0.00	0.50	0.00	0.00	0.00	0.00	0.00	1.40	0.00	0.00	0
0.00													
	18	1.25	0.00	0.00	0.50	0.50	0.50	0.00	1.40	0.00	0.00	0.00	0
0.00													
	19	1.25	0.00	0.00	0.50	0.50	0.50	0.00	0.00	1.40	0.00	0.00	0
0.00													
	20	0.90	0.00	0.00	0.00	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0
0.00													
	21	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.40	0.00	0.00	0
0.00													
	22	0.90	0.00	0.50	0.00	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0
0.00													
	23	0.90	0.00	0.50	0.00	0.00	0.00	0.00	0.00	1.40	0.00	0.00	0
0.00													
	24	0.90	0.00	0.00	0.50	0.50	0.50	0.00	1.40	0.00	0.00	0.00	0
0.00													
	25	0.90	0.00	0.00	0.50	0.50	0.50	0.00	0.00	1.40	0.00	0.00	0
0.00													
	26	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8
1.50													
	27	1.25	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9
1.50													

*(57)PANEL LOAD COMBINATIONS, DEFLECTION:

* No.	Load				-Add_Snow-				---Wind1---		---Wind2---		Aux_Load
* Load	Id	Dead	Collat	Live	Snow	Drift	Slide	Rain	Press	Suct	Press	Suct	Id
Coef													
18	28	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
0.00													
	29	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
0.00													
	30	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
0.00													
	31	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.00	0
0.00													
	32	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0
0.00													
	33	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0
0.00													
	34	1.00	0.00	0.00	1.00	1.00	1.00	0.00	0.40	0.00	0.00	0.00	0

	Job No	011467_RF	**Date**	3/26/2024	
	Customer	Norsteel Buildings	**Designed By**	MQZ	
	Description	2040503 Ontario Inc/NS24-11			
		Vars/ON/K0A 3H0			

```
0.00
          35   1.00  0.00  0.00  1.00  1.00  1.00  0.00  0.00  0.40   0.00  0.00   0
0.00
          36   1.00  0.00  0.00  0.00  0.00  0.00  0.00  1.00  0.00   0.00  0.00   0
0.00
          37   1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  1.00   0.00  0.00   0
0.00
          38   1.00  0.00  0.50  0.00  0.00  0.00  0.00  1.00  0.00   0.00  0.00   0
0.00
          39   1.00  0.00  0.50  0.00  0.00  0.00  0.00  0.00  1.00   0.00  0.00   0
0.00
          40   1.00  0.00  0.00  0.50  0.50  0.50  0.00  1.00  0.00   0.00  0.00   0
0.00
          41   1.00  0.00  0.00  0.50  0.50  0.50  0.00  0.00  1.00   0.00  0.00   0
0.00
          42   0.00  0.00  0.00  0.00  0.00  0.00  0.00  1.00  0.00   0.00  0.00   0
0.00
          43   0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  1.00   0.00  0.00   0
0.00
          44   0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00   0.00  0.00   8
1.00
          45   0.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00   0.00  0.00   9
1.00

*(58)AUXILIARY LOADS:
*                          No._Add   Add_Load
* No.  Id    Name           Combs    Id    Coef
    9   1   'PAT_SL_1  '      1       1    0.50
        2   'PAT_SL_2  '      1       2    0.50
        3   'PAT_SL_3  '      1       3    0.50
        4   'PAT_SL_4  '      1       4    0.50
        5   'PAT_SL_5  '      2       1    0.50
                                      2    0.50
        6   'PAT_SL_6  '      2       2    0.50
                                      3    0.50
        7   'PAT_SL_7  '      2       3    0.50
                                      4    0.50
        8   'UNB_SL_L  '      2       5    1.00
                                      6    0.50
        9   'UNB_SL_R  '      2       5    0.50
                                      6    1.00

*(59)ADDITIONAL LOADS:
*        Surf  Basic     Load Load      F                D              ----Surface----
* No. Id  Id   Load      Type  Orn     W1      W2        D1        D2     Start      End
    6  1   0  'U_SNOW'  'D '  'L'   -48.5   -48.5    0.0000   20.0000   0.0000   0.0000
       2   0  'U_SNOW'  'D '  'L'   -48.5   -48.5   20.0000   40.0000   0.0000   0.0000
       3   0  'U_SNOW'  'D '  'L'   -48.5   -48.5   40.0000   60.0000   0.0000   0.0000
       4   0  'U_SNOW'  'D '  'L'   -48.5   -48.5   60.0000   80.0000   0.0000   0.0000
       5   2  'U_SNOW'  'D '  'T'   -48.5   -48.5    0.0000   20.0693   0.0000  80.0000
       6   2  'U_SNOW'  'D '  'T'   -48.5   -48.5   20.0693   40.1386   0.0000  80.0000

*(60)PURLIN LAPS:
*Surf      Data  -------Set_1-------  -------Set_2-------  -------Set_3-------
```

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11		
		Vars/ON/K0A 3H0		

```
* Id  Opt  Sets    Left   Right Quan    Left   Right Quan    Left   Right Quan
   2  '-'   0

*(61)PURLIN LAPS: Extensions
*Ext       Data  -------Set_1-------  -------Set_2-------  -------Set_3-------
* Id  Opt  Sets    Left   Right Quan    Left   Right Quan    Left   Right Quan

*(62)PURLIN STRAPS:
*      No.
* Opt  Bay   Straps/Bay
  '-'   0

*(63)PURLIN STRAPS: Extensions
*Ext   No.
* Id   Bay   Straps/Bay

*(64)PANEL SCREWS:
* No.                                                 Washer
*Zone Locate  Id  Zone    Part          Dia    Limit     Dia  -------Spacing------
   4  'ROOF '  0 'INT '  '#12x1.50'   0.250    1.000   0.500   0.000  0.000  0.000
      'ROOF '  0 'EDGE'  '#12x1.50'   0.250    1.000   0.500   0.000  0.000  0.000
      'ROOF '  0 'CORN'  '#12x1.50'   0.250    1.000   0.500   0.000  0.000  0.000
      'WALL '  0 'BASE'  'SSS125  '   0.250    1.000   0.500   0.000  0.000  0.000

*(65)EXPANSION JOINTS:
*No.   Expansion_Location
   0

*(66)ADDED PURLINS:
*          Surf  --Bay_Id--   -Surface_Offset-  ---Support---
*No.   Id   Id   Start  End    Start       End  Opt    Locate
   4    1    2     1     1    0.0000    8.0000  '-'    0.0000
        2    2     4     4    0.0000    8.0000  '-'    0.0000
        3    2     1     1   32.1386   40.1386  '-'    0.0000
        4    2     4     4   32.1386   40.1386  '-'    0.0000

*(67)PURLIN SYSTEMS:
*Surf              Added_Purlins
* Id   No.    Id    No.     Id
   2   2       1     0
               2     4      1   2   3   4

*(68)ROOF OPENING LAYOUT:
*        -Location-     Frame --Surface-- ----Bay----
*No. Id  Use     Id Opt  Type Id   Offset Id   Offset    Width   Length   Ref
Dist
  0

*(69)ROOF OPENING FRAMING:
*Open Jamb Head ----Support----  Panel        Load
* Id  Type Type Type  Opt Depth   Opt   Load   Opt

*(70)DESIGN CODE OPTIONS:
*No.   Event                        Condition
```

	Job No	011467_RF	**Date**	3/26/2024
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	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

```
  0

*(71)WALL LIGHT PANELS:
*         Wall  ---Bay----  -Light_Panel-
*   No.    Id   Id  Offset  Length Offset  Quan
     0

*(72)WEAK AXIS RIGID FRAMES:
*     ---Frame--  Interior_Column
*No.  Line  Type   No.    Locate
  0

*AUXILIARY LOAD DESCRIPTIONS:
* Aux
*  Id  Description
*   1  Pattern snow load
*   2  Pattern snow load
*   3  Pattern snow load
*   4  Pattern snow load
*   5  Pattern snow load
*   6  Pattern snow load
*   7  Pattern snow load
*   8  Unbalanced snow load
*   9  Unbalanced snow load
*
*ADDITIONAL LOAD DESCRIPTIONS:
* Add
*  Id  Description
*   1  Pattern snow load bay 1
*   2  Pattern snow load bay 2
*   3  Pattern snow load bay 3
*   4  Pattern snow load bay 4
*   5  Unbalanced snow load surface 2
*   6  Unbalanced snow load surface 2
*
* Code files used:
*   ON_ONBC.19LN
*   ROOFNBC.15LN Version 4.5
================================================================================
 011467_RF           Design Code                                 3/26/24  3:24pm
================================================================================

 STRUCTURAL CODE:
 ----------------
   Design Basis      : LS - Limit States
   Hot  Rolled Steel : CSA14
   Cold Formed Steel : NACN12

 BUILDING CODE:
 --------------
   Wind Code         : ONBC 19  (NBC  15)
   Seismic Zone      : D

 MODULUS OF ELASTICITY:
```

	Job No	011467_RF	**Date**	3/26/2024
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	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Hot Rolled Steel : 29007 (ksi)
Cold Formed Steel : 29500 (ksi)

==========

011467_RF Purlin Layout(Surface 2) 3/26/24 3:24pm

==========

PURLIN SYSTEM COMBINATIONS:

System Id	Purlin Depth	Purlin Row	Purlin Weight	Added_Purlin Row	Added_Purlin Weight	Total Weight	Show Report	Max_UC Purlin	Max_UC Panel	Max_UC Table
1	10.0	9	3454.7	0	0.0	3454.7	Y	0.91	0.77	
2	10.0	9	3454.7	8	600.0	4054.7		0.94	0.77	

SURFACE LAYOUT:

Surface Id	Length	No. Row	Peak Space
2	40.139	9	1.000

PURLIN LOCATION:

Purlin Id	Surf Offset	Space	Load Width	Dead Load	Show Report	Max_Load Id	Max_Load UC	Max_Load Report	Notes
1	4.349	4.349	4.349	1.10	Y	26	0.91	Mom,Shr	
2	8.697	4.349	4.349	1.10		26	0.91	Mom,Shr	
3	13.046	4.349	4.349	1.10		26	0.91	Mom,Shr	
4	17.395	4.349	4.349	1.10		26	0.91	Mom,Shr	
5	21.744	4.349	4.349	1.10		26	0.91	Mom,Shr	
6	26.092	4.349	4.349	1.10		26	0.91	Mom,Shr	
7	30.441	4.349	4.349	1.10		26	0.91	Mom,Shr	
8	34.790	4.349	4.349	1.10		26	0.91	Mom,Shr	
9	39.139	4.349	2.674	1.79		26	0.56	Mom,Shr	
	40.139	1.000							
				1.15					

Average= 1.15

LAYOUT:

Bay Id	Part	Design Length	Lap(ft) Left	Lap(ft) Right	No. Strap	Unit Weight	Total Weight
LExt	10x25Z14	0.33			0	1.3	12.1
1	10x25Z14	19.67		2.88	1	90.8	817.6
2	10x25Z14	20.00	2.88	1.88	1	99.7	897.7
3	10x25Z14	20.00	1.88	2.88	1	99.7	897.7
4	10x25Z14	19.67	2.88		1	90.8	817.6
RExt	10x25Z14	0.33			0	1.3	12.1

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Total(lb)= 383.9 3454.7

LOAD COMBINATIONS:

26 - 1.25Dead+1.25Collateral+0.75Snow+1.5PAT_SL_1 Factored_Load

011467_RF Purlin(Surface 2, Id 1) 3/26/24 3:24pm

ROOF PURLIN
Surface Id = 2
Purlin Id = 1
Offset = 4.35

LAYOUT (Purlin Id= 1):

Bay Id	Part	Design Length (ft)	Lap(ft) Left	Lap(ft) Right	Load Width	No. Strap	Available Reduction Factor Out	Available Reduction Factor In	Max_Load Id	Max_Load UC	Max_Load Report
LExt	10x25Z14	0.33			4.35	0	0.00	0.50	9	0.03	Mom,Shr
1	10x25Z14	19.67		2.88	4.35	1	0.00	0.70	26	0.91	Mom,Shr
2	10x25Z14	20.00	2.88	1.88	4.35	1	0.00	0.70	9	0.89	Mom+Shr
3	10x25Z14	20.00	1.88	2.88	4.35	1	0.00	0.70	9	0.89	Mom+Shr
4	10x25Z14	19.67	2.88		4.35	1	0.00	0.70	29	0.91	Mom,Shr
RExt	10x25Z14	0.33			4.35	0	0.00	0.50	9	0.03	Mom,Shr

LOAD ID 1 - 1.25Dead+1.25Collateral+1.5Live Factored_Load:

REACTIONS:

Bay Id	Shear(k) Left Sup	Shear(k) Left Lap	Shear(k) Right Lap	Shear(k) Right Sup	Moment(f-k) Left Sup	Moment(f-k) Left Lap	Moment(f-k) MidSpan Mom	Moment(f-k) MidSpan Loc	Moment(f-k) Right Lap	Moment(f-k) Right Sup
LExt	0.00		-0.05	0.00		0.00	0.17			0.01
1	1.21		-1.55	-2.02	0.01		-4.44	7.36	2.87	8.00
2	1.80	1.33	-1.17	-1.48	8.00	3.49	-1.91	10.99	2.27	4.75
3	1.48	1.17	-1.33	-1.80	4.75	2.27	-1.91	9.01	3.49	8.00
4	2.02	1.55		-1.21	8.00	2.87	-4.44	12.31		0.01
RExt	0.05			0.00	0.01		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Shear(k) Calc	Shear(k) Limit	Shear(k) UC	Moment(f-k) Loc	Moment(f-k) Calc	Moment(f-k) Limit	Moment(f-k) UC	-Mom+Shr- Loc	-Mom+Shr- UC	Deflect(in) Calc	Deflect(in) Limit
LExt	RSup	-0.05	4.49	0.01	RSup	0.01	12.65	0.00	LSup	0.00	0.03	
1	RLap	-1.55	4.49	0.35	MidS	-4.44	11.40	0.39	RLap	0.41	-0.46	

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2	LLap	1.33	4.49	0.30	LLap	3.49	9.90	0.35	LLap	0.41	-0.10
3	RLap	-1.33	4.49	0.30	RLap	3.49	9.90	0.35	RLap	0.41	-0.10
4	LLap	1.55	4.49	0.35	MidS	-4.44	11.40	0.39	LLap	0.41	-0.46
RExt	LSup	0.05	4.49	0.01	LSup	0.01	12.65	0.00	LSup	0.00	0.03

LAP BOLT SHEAR/BEARING:
Bolt = 0.500 (A307)

Bay	Left_Lap(k)				Right_Lap(k)			
Id	Calc	Shear	Bear	UC	Calc	Shear	Bear	UC
1					0.70	3.92	2.90	0.24
2	0.70	3.92	2.90	0.24	0.63	3.92	2.90	0.22
3	0.63	3.92	2.90	0.22	0.70	3.92	2.90	0.24
4	0.70	3.92	2.90	0.24				

LOAD ID 2 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Pressure1 Factored_L:

REACTIONS:

Bay Id	Shear(k) Left Sup	Left Lap	Right Lap	Right Sup	Moment(f-k) Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00		-0.06		0.00		0.00	0.17		0.01
1	1.33		-1.70	-2.22	0.01		-4.87	7.36	3.15	8.79
2	1.98	1.46	-1.29	-1.63	8.79	3.84	-2.10	10.99	2.49	5.22
3	1.63	1.29	-1.46	-1.98	5.22	2.49	-2.10	9.01	3.84	8.79
4	2.22	1.70		-1.33	8.79	3.15	-4.87	12.31		0.01
RExt	0.06			0.00	0.01		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay	Shear(k)				Moment(f-k)				-Mom+Shr-		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
LExt	RSup	-0.06	4.49	0.01	RSup	0.01	12.65	0.00	LSup	0.00	0.03	
1	RLap	-1.70	4.49	0.38	MidS	-4.87	11.40	0.43	RLap	0.45	-0.50	
2	LLap	1.46	4.49	0.33	LLap	3.84	9.90	0.39	LLap	0.45	-0.11	
3	RLap	-1.46	4.49	0.33	RLap	3.84	9.90	0.39	RLap	0.45	-0.11	
4	LLap	1.70	4.49	0.38	MidS	-4.87	11.40	0.43	LLap	0.45	-0.50	
RExt	LSup	0.06	4.49	0.01	LSup	0.01	12.65	0.00	LSup	0.00	0.03	

LAP BOLT SHEAR/BEARING:
Bolt = 0.500 (A307)

Bay	Left_Lap(k)				Right_Lap(k)			
Id	Calc	Shear	Bear	UC	Calc	Shear	Bear	UC
1					0.76	3.92	2.90	0.26
2	0.76	3.92	2.90	0.26	0.70	3.92	2.90	0.24
3	0.70	3.92	2.90	0.24	0.76	3.92	2.90	0.26
4	0.76	3.92	2.90	0.26				

LOAD ID 3 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Suction1 Factored_Lo:

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REACTIONS:

Bay Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
	Shear(k)				Moment(f-k)					
LExt	0.00		-0.04	0.00		0.00	0.17			0.01
1	0.91		-1.19	-1.55	0.01		-3.36	7.41	2.20	6.13
2	1.39	1.02	-0.90	-1.14	6.13	2.66	-1.48	10.97	1.76	3.68
3	1.14	0.90	-1.02	-1.39	3.68	1.76	-1.48	9.03	2.66	6.13
4	1.55	1.19		-0.91	6.13	2.20	-3.36	12.26		0.01
RExt	0.04			0.00	0.01		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Calc	Limit	UC	Moment(f-k) Loc	Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
LExt	RSup	-0.04	4.49	0.01	RSup	0.01	12.65	0.00	LSup	0.00	0.02	
1	RLap	-1.19	4.49	0.26	MidS	-3.36	11.40	0.29	RLap	0.32	-0.35	
2	LLap	1.02	4.49	0.23	LLap	2.66	9.91	0.27	LLap	0.31	-0.08	
3	RLap	-1.02	4.49	0.23	RLap	2.66	9.91	0.27	RLap	0.31	-0.08	
4	LLap	1.19	4.49	0.26	MidS	-3.36	11.40	0.29	LLap	0.32	-0.35	
RExt	LSup	0.04	4.49	0.01	LSup	0.01	12.65	0.00	LSup	0.00	0.02	

LAP BOLT SHEAR/BEARING:
Bolt = 0.500 (A307)

Bay Id	Left_Lap(k) Calc	Shear	Bear	UC	Right_Lap(k) Calc	Shear	Bear	UC
1					0.53	3.92	2.90	0.18
2	0.53	3.92	2.90	0.18	0.49	3.92	2.90	0.17
3	0.49	3.92	2.90	0.17	0.53	3.92	2.90	0.18
4	0.53	3.92	2.90	0.18				

LOAD ID 4 - 1.4Dead+1.4Collateral Factored_Load:

REACTIONS:

Bay Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
	Shear(k)				Moment(f-k)					
LExt	0.00		-0.01	0.00		0.00	0.17			0.00
1	0.23		-0.30	-0.39	0.00		-0.85	7.36	0.55	1.54
2	0.35	0.26	-0.23	-0.28	1.54	0.67	-0.37	10.99	0.44	0.91
3	0.28	0.23	-0.26	-0.35	0.91	0.44	-0.37	9.01	0.67	1.54
4	0.39	0.30		-0.23	1.54	0.55	-0.85	12.31		0.00
RExt	0.01			0.00	0.00		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Calc	Limit	UC	Moment(f-k) Loc	Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit

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LExt	RSup	-0.01	4.49	0.00	RSup	0.00	12.65	0.00	LSup	0.00		0.01	
1	RLap	-0.30	4.49	0.07	MidS	-0.85	11.40	0.07	RLap	0.08		-0.09	
2	LLap	0.26	4.49	0.06	LLap	0.67	9.90	0.07	LLap	0.08		-0.02	
3	RLap	-0.26	4.49	0.06	RLap	0.67	9.90	0.07	RLap	0.08		-0.02	
4	LLap	0.30	4.49	0.07	MidS	-0.85	11.40	0.07	LLap	0.08		-0.09	
REXt	LSup	0.01	4.49	0.00	LSup	0.00	12.65	0.00	LSup	0.00		0.01	

LAP BOLT SHEAR/BEARING:
Bolt = 0.500 (A307)

Bay Id	Left_Lap(k) Calc	Shear	Bear	UC	Right_Lap(k) Calc	Shear	Bear	UC
1					0.13	3.92	2.90	0.05
2	0.13	3.92	2.90	0.05	0.12	3.92	2.90	0.04
3	0.12	3.92	2.90	0.04	0.13	3.92	2.90	0.05
4	0.13	3.92	2.90	0.05				

LOAD ID 5 - 0.9Dead+1.5Live Factored_Load:

REACTIONS:

Bay Id	Shear(k) Left Sup	Left Lap	Right Lap	Right Sup	Moment(f-k) Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00		-0.05	0.00	0.00		0.17			0.01
1	1.06		-1.36	-1.78	0.01		-3.91	7.36	2.53	7.05
2	1.59	1.17	-1.03	-1.30	7.05	3.08	-1.69	10.99	2.00	4.18
3	1.30	1.03	-1.17	-1.59	4.18	2.00	-1.69	9.01	3.08	7.05
4	1.78	1.36		-1.06	7.05	2.53	-3.91	12.31		0.01
REXt	0.05			0.00	0.01		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay Id	Loc	Shear(k) Calc	Limit	UC	Loc	Moment(f-k) Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
LExt	RSup	-0.05	4.49	0.01	RSup	0.01	12.65	0.00	LSup	0.00	0.03	
1	RLap	-1.36	4.49	0.30	MidS	-3.91	11.40	0.34	RLap	0.36	-0.40	
2	LLap	1.17	4.49	0.26	LLap	3.08	9.90	0.31	LLap	0.36	-0.09	
3	RLap	-1.17	4.49	0.26	RLap	3.08	9.90	0.31	RLap	0.36	-0.09	
4	LLap	1.36	4.49	0.30	MidS	-3.91	11.40	0.34	LLap	0.36	-0.40	
REXt	LSup	0.05	4.49	0.01	LSup	0.01	12.65	0.00	LSup	0.00	0.03	

LAP BOLT SHEAR/BEARING:
Bolt = 0.500 (A307)

Bay Id	Left_Lap(k) Calc	Shear	Bear	UC	Right_Lap(k) Calc	Shear	Bear	UC
1					0.61	3.92	2.90	0.21
2	0.61	3.92	2.90	0.21	0.56	3.92	2.90	0.19
3	0.56	3.92	2.90	0.19	0.61	3.92	2.90	0.21

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4	0.61	3.92	2.90	0.21

LOAD ID 6 - 0.9Dead+1.5Live+0.4Wind_Pressure1 Factored_Load:

REACTIONS:

Bay Id	Shear(k) Left Sup	Shear(k) Left Lap	Shear(k) Right Lap	Shear(k) Right Sup	Moment(f-k) Left Sup	Moment(f-k) Left Lap	Moment(f-k) MidSpan Mom	Moment(f-k) MidSpan Loc	Moment(f-k) Right Lap	Moment(f-k) Right Sup
LExt	0.00		-0.05	0.00		0.00	0.17			0.01
1	1.18		-1.52	-1.98	0.01		-4.34	7.36	2.81	7.84
2	1.77	1.30	-1.15	-1.45	7.84	3.42	-1.87	10.99	2.22	4.65
3	1.45	1.15	-1.30	-1.77	4.65	2.22	-1.87	9.01	3.42	7.84
4	1.98	1.52		-1.18	7.84	2.81	-4.34	12.31		0.01
RExt	0.05			0.00	0.01		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Shear(k) Calc	Shear(k) Limit	Shear(k) UC	Moment(f-k) Loc	Moment(f-k) Calc	Moment(f-k) Limit	Moment(f-k) UC	-Mom+Shr- Loc	-Mom+Shr- UC	Deflect(in) Calc	Deflect(in) Limit
LExt	RSup	-0.05	4.49	0.01	RSup	0.01	12.65	0.00	LSup	0.00	0.03	
1	RLap	-1.52	4.49	0.34	MidS	-4.34	11.40	0.38	RLap	0.40	-0.45	
2	LLap	1.30	4.49	0.29	LLap	3.42	9.90	0.35	LLap	0.40	-0.10	
3	RLap	-1.30	4.49	0.29	RLap	3.42	9.90	0.35	RLap	0.40	-0.10	
4	LLap	1.52	4.49	0.34	MidS	-4.34	11.40	0.38	LLap	0.40	-0.45	
RExt	LSup	0.05	4.49	0.01	LSup	0.01	12.65	0.00	LSup	0.00	0.03	

LAP BOLT SHEAR/BEARING:
Bolt = 0.500 (A307)

Bay Id	Left_Lap(k) Calc Shear	Left_Lap(k) Bear	Left_Lap(k) UC	Right_Lap(k) Calc Shear	Right_Lap(k) Bear	Right_Lap(k) UC
1				0.68	3.92	2.90 0.24
2	0.68	3.92	2.90 0.24	0.62	3.92	2.90 0.21
3	0.62	3.92	2.90 0.21	0.68	3.92	2.90 0.24
4	0.68	3.92	2.90 0.24			

LOAD ID 7 - 0.9Dead+1.5Live+0.4Wind_Suction1 Factored_Load:

REACTIONS:

Bay Id	Shear(k) Left Sup	Shear(k) Left Lap	Shear(k) Right Lap	Shear(k) Right Sup	Moment(f-k) Left Sup	Moment(f-k) Left Lap	Moment(f-k) MidSpan Mom	Moment(f-k) MidSpan Loc	Moment(f-k) Right Lap	Moment(f-k) Right Sup
LExt	0.00		-0.03	0.00		0.00	0.17			0.01
1	0.76		-1.00	-1.31	0.01		-2.83	7.41	1.85	5.17
2	1.17	0.86	-0.77	-0.97	5.17	2.24	-1.25	10.96	1.49	3.11
3	0.97	0.77	-0.86	-1.17	3.11	1.49	-1.25	9.04	2.24	5.17
4	1.31	1.00		-0.76	5.17	1.85	-2.83	12.25		0.01
RExt	0.03			0.00	0.01		0.00	0.17		0.00

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11		
		Vars/ON/K0A 3H0		

STRENGTH/DEFLECTION:

Bay		Shear(k)			Moment(f-k)				-Mom+Shr-		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
LExt	RSup	-0.03	4.49	0.01	RSup	0.01	12.65	0.00	LSup	0.00	0.02	
1	RLap	-1.00	4.49	0.22	MidS	-2.83	11.40	0.25	RLap	0.27	-0.29	
2	LLap	0.86	4.49	0.19	LLap	2.24	9.91	0.23	LLap	0.26	-0.07	
3	RLap	-0.86	4.49	0.19	RLap	2.24	9.91	0.23	RLap	0.26	-0.07	
4	LLap	1.00	4.49	0.22	MidS	-2.83	11.40	0.25	LLap	0.27	-0.29	
RExt	LSup	0.03	4.49	0.01	LSup	0.01	12.65	0.00	LSup	0.00	0.02	

LAP BOLT SHEAR/BEARING:
Bolt = 0.500 (A307)

Bay	Left_Lap(k)				Right_Lap(k)			
Id	Calc	Shear	Bear	UC	Calc	Shear	Bear	UC
1					0.45	3.92	2.90	0.16
2	0.45	3.92	2.90	0.16	0.41	3.92	2.90	0.14
3	0.41	3.92	2.90	0.14	0.45	3.92	2.90	0.16
4	0.45	3.92	2.90	0.16				

LOAD ID 8 - 1.25Dead+1.25Collateral+1.5Snow+1.5Snow_Drift+1.5Slide_Snow:

REACTIONS:

Bay	Shear(k)				Moment(f-k)					
	Left	Left	Right	Right	Left	Left	MidSpan		Right	Right
Id	Sup	Lap	Lap	Sup	Sup	Lap	Mom	Loc	Lap	Sup
LExt	0.00			-0.11	0.00		0.00	0.17		0.02
1	2.52		-3.23	-4.21	0.02		-9.25	7.36	5.99	16.68
2	3.76	2.78	-2.44	-3.08	16.68	7.28	-3.99	10.99	4.72	9.90
3	3.08	2.44	-2.78	-3.76	9.90	4.72	-3.99	9.01	7.28	16.68
4	4.21	3.23		-2.52	16.68	5.99	-9.25	12.31		0.02
RExt	0.11			0.00	0.02		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay		Shear(k)			Moment(f-k)				-Mom+Shr-		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
LExt	RSup	-0.11	4.49	0.03	RSup	0.02	12.65	0.00	LSup	0.00	0.06	
1	RLap	-3.23	4.49	0.72	MidS	-9.25	11.40	0.81	RLap	0.86	-0.96	
2	LLap	2.78	4.49	0.62	LLap	7.28	9.90	0.74	LLap	0.85	-0.22	
3	RLap	-2.78	4.49	0.62	RLap	7.28	9.90	0.74	RLap	0.85	-0.22	
4	LLap	3.23	4.49	0.72	MidS	-9.25	11.40	0.81	LLap	0.86	-0.96	
RExt	LSup	0.11	4.49	0.03	LSup	0.02	12.65	0.00	LSup	0.00	0.06	

LAP BOLT SHEAR/BEARING:
Bolt = 0.500 (A307)

Bay	Left_Lap(k)				Right_Lap(k)			
Id	Calc	Shear	Bear	UC	Calc	Shear	Bear	UC

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1					1.45	3.92	2.90	0.50
2	1.45	3.92	2.90	0.50	1.32	3.92	2.90	0.46
3	1.32	3.92	2.90	0.46	1.45	3.92	2.90	0.50
4	1.45	3.92	2.90	0.50				

LOAD ID 9 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Pressure1+1.5Snow_Dr:

REACTIONS:

Bay	Shear(k) Left Sup	Shear(k) Left Lap	Shear(k) Right Lap	Shear(k) Right Sup	Moment(f-k) Left Sup	Moment(f-k) Left Lap	Moment(f-k) MidSpan Mom	Moment(f-k) MidSpan Loc	Moment(f-k) Right Lap	Moment(f-k) Right Sup
LExt	0.00		-0.12		0.00		0.00	0.17		0.02
1	2.64		-3.38	-4.41	0.02		-9.68	7.36	6.27	17.47
2	3.94	2.91	-2.56	-3.23	17.47	7.63	-4.18	10.99	4.94	10.37
3	3.23	2.56	-2.91	-3.94	10.37	4.94	-4.18	9.01	7.63	17.47
4	4.41	3.38		-2.64	17.47	6.27	-9.68	12.31		0.02
RExt	0.12			0.00	0.02		0.01	0.17		0.00

STRENGTH/DEFLECTION:

Bay	Shear(k) Loc	Shear(k) Calc	Shear(k) Limit	Shear(k) UC	Moment(f-k) Loc	Moment(f-k) Calc	Moment(f-k) Limit	Moment(f-k) UC	-Mom+Shr- Loc	-Mom+Shr- UC	Deflect(in) Calc	Deflect(in) Limit
LExt	RSup	-0.12	4.49	0.03	RSup	0.02	12.65	0.00	LSup	0.00	0.07	
1	RLap	-3.38	4.49	0.75	MidS	-9.68	11.40	0.85	RLap	0.90	-1.00	
2	LLap	2.91	4.49	0.65	LLap	7.63	9.90	0.77	LLap	0.89	-0.23	
3	RLap	-2.91	4.49	0.65	RLap	7.63	9.90	0.77	RLap	0.89	-0.23	
4	LLap	3.38	4.49	0.75	MidS	-9.68	11.40	0.85	LLap	0.90	-1.00	
RExt	LSup	0.12	4.49	0.03	LSup	0.02	12.65	0.00	LSup	0.00	0.07	

LAP BOLT SHEAR/BEARING:
Bolt = 0.500 (A307)

Bay	Left_Lap(k) Calc Shear	Left_Lap(k) Bear	Left_Lap(k) UC	Right_Lap(k) Calc Shear	Right_Lap(k) Bear	Right_Lap(k) UC
1				1.52	3.92	2.90	0.52
2	1.52	3.92	2.90	0.52	1.38	3.92	2.90	0.48
3	1.38	3.92	2.90	0.48	1.52	3.92	2.90	0.52
4	1.52	3.92	2.90	0.52				

LOAD ID 10 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Suction1+1.5Snow_Dri:

REACTIONS:

Bay	Shear(k) Left Sup	Shear(k) Left Lap	Shear(k) Right Lap	Shear(k) Right Sup	Moment(f-k) Left Sup	Moment(f-k) Left Lap	Moment(f-k) MidSpan Mom	Moment(f-k) MidSpan Loc	Moment(f-k) Right Lap	Moment(f-k) Right Sup
LExt	0.00		-0.10		0.00		0.00	0.17		0.02
1	2.22		-2.87	-3.74	0.02		-8.17	7.38	5.31	14.81
2	3.34	2.47	-2.18	-2.75	14.81	6.45	-3.55	10.98	4.22	8.83
3	2.75	2.18	-2.47	-3.34	8.83	4.22	-3.55	9.02	6.45	14.81

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4	3.74	2.87	-2.22	14.81	5.31	-8.17	12.29	0.02	
REXt	0.10		0.00	0.02		0.00	0.17	0.00	

STRENGTH/DEFLECTION:

Bay		Shear(k)			Moment(f-k)				-Mom+Shr-		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
LExt	RSup	-0.10	4.49	0.02	RSup	0.02	12.65	0.00	LSup	0.00	0.06	
1	RLap	-2.87	4.49	0.64	MidS	-8.17	11.40	0.72	RLap	0.76	-0.85	
2	LLap	2.47	4.49	0.55	LLap	6.45	9.91	0.65	LLap	0.75	-0.19	
3	RLap	-2.47	4.49	0.55	RLap	6.45	9.91	0.65	RLap	0.75	-0.19	
4	LLap	2.87	4.49	0.64	MidS	-8.17	11.40	0.72	LLap	0.76	-0.85	
REXt	LSup	0.10	4.49	0.02	LSup	0.02	12.65	0.00	LSup	0.00	0.06	

LAP BOLT SHEAR/BEARING:
Bolt = 0.500 (A307)

Bay	Left_Lap(k)				Right_Lap(k)			
Id	Calc	Shear	Bear	UC	Calc	Shear	Bear	UC
1					1.29	3.92	2.90	0.44
2	1.29	3.92	2.90	0.44	1.18	3.92	2.90	0.41
3	1.18	3.92	2.90	0.41	1.29	3.92	2.90	0.44
4	1.29	3.92	2.90	0.44				

LOAD ID 11 - 0.9Dead+1.5Snow+1.5Snow_Drift+1.5Slide_Snow Factored_Load:

REACTIONS:

Bay	Shear(k)				Moment(f-k)					
	Left	Left	Right	Right	Left	Left	MidSpan		Right	Right
Id	Sup	Lap	Lap	Sup	Sup	Lap	Mom	Loc	Lap	Sup
LExt	0.00			-0.11	0.00		0.00	0.17		0.02
1	2.37		-3.04	-3.97	0.02		-8.72	7.36	5.64	15.73
2	3.55	2.62	-2.30	-2.91	15.73	6.87	-3.76	10.99	4.45	9.34
3	2.91	2.30	-2.62	-3.55	9.34	4.45	-3.76	9.01	6.87	15.73
4	3.97	3.04		-2.37	15.73	5.64	-8.72	12.31		0.02
REXt	0.11			0.00	0.02		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay		Shear(k)			Moment(f-k)				-Mom+Shr-		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
LExt	RSup	-0.11	4.49	0.02	RSup	0.02	12.65	0.00	LSup	0.00	0.06	
1	RLap	-3.04	4.49	0.68	MidS	-8.72	11.40	0.76	RLap	0.81	-0.90	
2	LLap	2.62	4.49	0.58	LLap	6.87	9.90	0.69	LLap	0.80	-0.20	
3	RLap	-2.62	4.49	0.58	RLap	6.87	9.90	0.69	RLap	0.80	-0.20	
4	LLap	3.04	4.49	0.68	MidS	-8.72	11.40	0.76	LLap	0.81	-0.90	
REXt	LSup	0.11	4.49	0.02	LSup	0.02	12.65	0.00	LSup	0.00	0.06	

LAP BOLT SHEAR/BEARING:
Bolt = 0.500 (A307)

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Bay	Left_Lap(k) Calc	Shear	Bear	UC	Right_Lap(k) Calc	Shear	Bear	UC
1					1.37	3.92	2.90	0.47
2	1.37	3.92	2.90	0.47	1.24	3.92	2.90	0.43
3	1.24	3.92	2.90	0.43	1.37	3.92	2.90	0.47
4	1.37	3.92	2.90	0.47				

LOAD ID 12 - 0.9Dead+1.5Snow+0.4Wind_Pressure1+1.5Snow_Drift+1.5Slide_Sno:

REACTIONS:

Bay	Shear(k) Left Sup	Left Lap	Right Lap	Right Sup	Moment(f-k) Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00		-0.11		0.00		0.00	0.17		0.02
1	2.49		-3.20	-4.17	0.02		-9.15	7.36	5.93	16.52
2	3.72	2.75	-2.42	-3.05	16.52	7.21	-3.95	10.99	4.67	9.80
3	3.05	2.42	-2.75	-3.72	9.80	4.67	-3.95	9.01	7.21	16.52
4	4.17	3.20		-2.49	16.52	5.93	-9.15	12.31		0.02
RExt	0.11			0.00	0.02		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay	Shear(k) Loc	Calc	Limit	UC	Moment(f-k) Loc	Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
LExt	RSup	-0.11	4.49	0.03	RSup	0.02	12.65	0.00	LSup	0.00	0.06	
1	RLap	-3.20	4.49	0.71	MidS	-9.15	11.40	0.80	RLap	0.85	-0.95	
2	LLap	2.75	4.49	0.61	LLap	7.21	9.90	0.73	LLap	0.84	-0.21	
3	RLap	-2.75	4.49	0.61	RLap	7.21	9.90	0.73	RLap	0.84	-0.21	
4	LLap	3.20	4.49	0.71	MidS	-9.15	11.40	0.80	LLap	0.85	-0.95	
RExt	LSup	0.11	4.49	0.03	LSup	0.02	12.65	0.00	LSup	0.00	0.06	

LAP BOLT SHEAR/BEARING:
Bolt = 0.500 (A307)

Bay	Left_Lap(k) Calc	Shear	Bear	UC	Right_Lap(k) Calc	Shear	Bear	UC
1					1.44	3.92	2.90	0.50
2	1.44	3.92	2.90	0.50	1.31	3.92	2.90	0.45
3	1.31	3.92	2.90	0.45	1.44	3.92	2.90	0.50
4	1.44	3.92	2.90	0.50				

LOAD ID 13 - 0.9Dead+1.5Snow+0.4Wind_Suction1+1.5Snow_Drift+1.5Slide_Snow:

REACTIONS:

Bay	Shear(k) Left Sup	Left Lap	Right Lap	Right Sup	Moment(f-k) Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00		-0.09		0.00		0.00	0.17		0.02

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1	2.07		-2.68	-3.50	0.02		-7.64	7.38	4.97	13.85
2	3.13	2.31	-2.04	-2.57	13.85	6.03	-3.33	10.98	3.95	8.26
3	2.57	2.04	-2.31	-3.13	8.26	3.95	-3.33	9.02	6.03	13.85
4	3.50	2.68		-2.07	13.85	4.97	-7.64	12.29		0.02
REXt	0.09			0.00	0.02		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay		Shear(k)				Moment(f-k)				-Mom+Shr-		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit	
LExt	RSup	-0.09	4.49	0.02	RSup	0.02	12.65	0.00	LSup	0.00	0.05		
1	RLap	-2.68	4.49	0.60	MidS	-7.64	11.40	0.67	RLap	0.72	-0.79		
2	LLap	2.31	4.49	0.51	LLap	6.03	9.91	0.61	LLap	0.70	-0.18		
3	RLap	-2.31	4.49	0.51	RLap	6.03	9.91	0.61	RLap	0.70	-0.18		
4	LLap	2.68	4.49	0.60	MidS	-7.64	11.40	0.67	LLap	0.72	-0.79		
REXt	LSup	0.09	4.49	0.02	LSup	0.02	12.65	0.00	LSup	0.00	0.05		

LAP BOLT SHEAR/BEARING:
Bolt = 0.500 (A307)

Bay	Left_Lap(k)				Right_Lap(k)			
Id	Calc	Shear	Bear	UC	Calc	Shear	Bear	UC
1					1.20	3.92	2.90	0.42
2	1.20	3.92	2.90	0.42	1.10	3.92	2.90	0.38
3	1.10	3.92	2.90	0.38	1.20	3.92	2.90	0.42
4	1.20	3.92	2.90	0.42				

LOAD ID 14 - 1.25Dead+1.25Collateral+1.4Wind_Pressure1 Factored_Load:

REACTIONS:

Bay	Shear(k)				Moment(f-k)					
	Left	Left	Right	Right	Left	Left	MidSpan		Right	Right
Id	Sup	Lap	Lap	Sup	Sup	Lap	Mom	Loc	Lap	Sup
LExt	0.00			-0.03	0.00		0.00	0.17		0.00
1	0.62		-0.80	-1.04	0.00		-2.29	7.36	1.48	4.13
2	0.93	0.69	-0.60	-0.76	4.13	1.80	-0.99	10.99	1.17	2.45
3	0.76	0.60	-0.69	-0.93	2.45	1.17	-0.99	9.01	1.80	4.13
4	1.04	0.80		-0.62	4.13	1.48	-2.29	12.31		0.00
REXt	0.03			0.00	0.00		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay		Shear(k)				Moment(f-k)				-Mom+Shr-		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit	
LExt	RSup	-0.03	4.49	0.01	RSup	0.00	12.65	0.00	LSup	0.00	0.02		
1	RLap	-0.80	4.49	0.18	MidS	-2.29	11.40	0.20	RLap	0.21	-0.24		
2	LLap	0.69	4.49	0.15	LLap	1.80	9.90	0.18	LLap	0.21	-0.05		
3	RLap	-0.69	4.49	0.15	RLap	1.80	9.90	0.18	RLap	0.21	-0.05		
4	LLap	0.80	4.49	0.18	MidS	-2.29	11.40	0.20	LLap	0.21	-0.24		
REXt	LSup	0.03	4.49	0.01	LSup	0.00	12.65	0.00	LSup	0.00	0.02		

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LAP BOLT SHEAR/BEARING:
Bolt = 0.500 (A307)

Bay Id	Left_Lap(k) Calc Shear	Bear	UC	Right_Lap(k) Calc Shear	Bear	UC
1				0.36 3.92	2.90	0.12
2	0.36 3.92	2.90	0.12	0.33 3.92	2.90	0.11
3	0.33 3.92	2.90	0.11	0.36 3.92	2.90	0.12
4	0.36 3.92	2.90	0.12			

LOAD ID 15 - 1.25Dead+1.25Collateral+1.4Wind_Suction1 Factored_Load:

REACTIONS:

Bay Id	Shear(k) Left Sup	Left Lap	Right Lap	Right Sup	Moment(f-k) Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00		0.04	0.00		0.00	0.17			-0.01
1	-0.84		1.01	1.31	-0.01		3.01	7.17	-1.87	-5.20
2	-1.15	-0.85	0.73	0.93	-5.20	-2.32	1.19	11.09	-1.38	-2.94
3	-0.93	-0.73	0.85	1.15	-2.94	-1.38	1.19	8.91	-2.32	-5.20
4	-1.31	-1.01		0.84	-5.20	-1.87	3.01	12.50		-0.01
RExt	-0.04			0.00	-0.01		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Calc	Limit	UC	Moment(f-k) Loc	Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
LExt	RSup	0.04	4.49	0.01	RSup	-0.01	12.65	0.00	LSup	0.00	-0.02	
1	RLap	1.01	4.49	0.22	MidS	3.01	8.85	0.34	RLap	0.27	0.31	
2	LLap	-0.85	4.49	0.19	LSup	-2.60	12.65	0.21	LLap	0.26	0.06	
3	RLap	0.85	4.49	0.19	RSup	-2.60	12.65	0.21	RLap	0.26	0.06	
4	LLap	-1.01	4.49	0.22	MidS	3.01	8.85	0.34	LLap	0.27	0.31	
RExt	LSup	-0.04	4.49	0.01	LSup	-0.01	12.65	0.00	LSup	0.00	-0.02	

LAP BOLT SHEAR/BEARING:
Bolt = 0.500 (A307)

Bay Id	Left_Lap(k) Calc Shear	Bear	UC	Right_Lap(k) Calc Shear	Bear	UC
1				0.45 3.92	2.90	0.16
2	0.45 3.92	2.90	0.16	0.39 3.92	2.90	0.14
3	0.39 3.92	2.90	0.14	0.45 3.92	2.90	0.16
4	0.45 3.92	2.90	0.16			

LOAD ID 16 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Pressure1 Factored_Lo:

REACTIONS:

Bay	Shear(k) Left	Left	Right	Right	Moment(f-k) Left	Left	MidSpan	Right	Right

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	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Id	Sup	Lap	Lap	Sup	Sup	Lap	Mom	Loc	Lap	Sup
LExt	0.00			-0.04	0.00		0.00	0.17		0.01
1	0.96		-1.23	-1.60	0.01		-3.51	7.36	2.27	6.34
2	1.43	1.06	-0.93	-1.17	6.34	2.77	-1.52	10.99	1.79	3.76
3	1.17	0.93	-1.06	-1.43	3.76	1.79	-1.52	9.01	2.77	6.34
4	1.60	1.23		-0.96	6.34	2.27	-3.51	12.31		0.01
RExt	0.04			0.00	0.01		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay	Shear(k)				Moment(f-k)				-Mom+Shr-		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
LExt	RSup	-0.04	4.49	0.01	RSup	0.01	12.65	0.00	LSup	0.00	0.02	
1	RLap	-1.23	4.49	0.27	MidS	-3.51	11.40	0.31	RLap	0.33	-0.36	
2	LLap	1.06	4.49	0.24	LLap	2.77	9.90	0.28	LLap	0.32	-0.08	
3	RLap	-1.06	4.49	0.24	RLap	2.77	9.90	0.28	RLap	0.32	-0.08	
4	LLap	1.23	4.49	0.27	MidS	-3.51	11.40	0.31	LLap	0.33	-0.36	
RExt	LSup	0.04	4.49	0.01	LSup	0.01	12.65	0.00	LSup	0.00	0.02	

LAP BOLT SHEAR/BEARING:
Bolt = 0.500 (A307)

Bay	Left_Lap(k)				Right_Lap(k)			
Id	Calc	Shear	Bear	UC	Calc	Shear	Bear	UC
1					0.55	3.92	2.90	0.19
2	0.55	3.92	2.90	0.19	0.50	3.92	2.90	0.17
3	0.50	3.92	2.90	0.17	0.55	3.92	2.90	0.19
4	0.55	3.92	2.90	0.19				

LOAD ID 17 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Suction1 Factored_Loa:

REACTIONS:

Bay	Shear(k)				Moment(f-k)					
	Left	Left	Right	Right	Left	Left	MidSpan		Right	Right
Id	Sup	Lap	Lap	Sup	Sup	Lap	Mom	Loc	Lap	Sup
LExt	0.00			0.02	0.00		0.00	0.17		0.00
1	-0.51		0.58	0.75	0.00		1.79	7.09	-1.08	-2.99
2	-0.66	-0.49	0.41	0.52	-2.99	-1.35	0.67	11.16	-0.76	-1.63
3	-0.52	-0.41	0.49	0.66	-1.63	-0.76	0.67	8.84	-1.35	-2.99
4	-0.75	-0.58		0.51	-2.99	-1.08	1.79	12.57		0.00
RExt	-0.02			0.00	0.00		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay	Shear(k)				Moment(f-k)				-Mom+Shr-		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
LExt	RSup	0.02	4.49	0.01	RSup	0.00	12.65	0.00	LSup	0.00	-0.01	
1	RLap	0.58	4.49	0.13	MidS	1.79	8.85	0.20	RLap	0.16	0.18	
2	LLap	-0.49	4.49	0.11	LLap	-1.35	11.40	0.12	LLap	0.15	0.03	
3	RLap	0.49	4.49	0.11	RLap	-1.35	11.40	0.12	RLap	0.15	0.03	

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4	LLap	-0.58	4.49	0.13	MidS	1.79	8.85	0.20	LLap	0.16	0.18
REXt	LSup	-0.02	4.49	0.01	LSup	0.00	12.65	0.00	LSup	0.00	-0.01

LAP BOLT SHEAR/BEARING:
Bolt = 0.500 (A307)

Bay	Left_Lap(k)				Right_Lap(k)			
Id	Calc	Shear	Bear	UC	Calc	Shear	Bear	UC
1					0.26	3.92	2.90	0.09
2	0.26	3.92	2.90	0.09	0.22	3.92	2.90	0.07
3	0.22	3.92	2.90	0.07	0.26	3.92	2.90	0.09
4	0.26	3.92	2.90	0.09				

LOAD ID 18 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Pressure1+Snow_Drift/:

REACTIONS:

Bay	Shear(k)				Moment(f-k)					
	Left	Left	Right	Right	Left	Left	MidSpan		Right	Right
Id	Sup	Lap	Lap	Sup	Sup	Lap	Mom	Loc	Lap	Sup
LExt	0.00			-0.06	0.00		0.00	0.17		0.01
1	1.39		-1.79	-2.33	0.01		-5.12	7.36	3.31	9.23
2	2.08	1.54	-1.35	-1.71	9.23	4.03	-2.21	10.99	2.61	5.48
3	1.71	1.35	-1.54	-2.08	5.48	2.61	-2.21	9.01	4.03	9.23
4	2.33	1.79		-1.39	9.23	3.31	-5.12	12.31		0.01
REXt	0.06			0.00	0.01		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay	Shear(k)				Moment(f-k)				-Mom+Shr-		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
LExt	RSup	-0.06	4.49	0.01	RSup	0.01	12.65	0.00	LSup	0.00	0.04	
1	RLap	-1.79	4.49	0.40	MidS	-5.12	11.40	0.45	RLap	0.48	-0.53	
2	LLap	1.54	4.49	0.34	LLap	4.03	9.90	0.41	LLap	0.47	-0.12	
3	RLap	-1.54	4.49	0.34	RLap	4.03	9.90	0.41	RLap	0.47	-0.12	
4	LLap	1.79	4.49	0.40	MidS	-5.12	11.40	0.45	LLap	0.48	-0.53	
REXt	LSup	0.06	4.49	0.01	LSup	0.01	12.65	0.00	LSup	0.00	0.04	

LAP BOLT SHEAR/BEARING:
Bolt = 0.500 (A307)

Bay	Left_Lap(k)				Right_Lap(k)			
Id	Calc	Shear	Bear	UC	Calc	Shear	Bear	UC
1					0.80	3.92	2.90	0.28
2	0.80	3.92	2.90	0.28	0.73	3.92	2.90	0.25
3	0.73	3.92	2.90	0.25	0.80	3.92	2.90	0.28
4	0.80	3.92	2.90	0.28				

LOAD ID 19 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Suction1+Snow_Drift/2:

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11		
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REACTIONS:

Bay Id	Shear(k) Left Sup	Shear(k) Left Lap	Shear(k) Right Lap	Shear(k) Right Sup	Moment(f-k) Left Sup	Moment(f-k) Left Lap	Moment(f-k) MidSpan Mom	Moment(f-k) MidSpan Loc	Moment(f-k) Right Lap	Moment(f-k) Right Sup
LExt	0.00		0.00	0.00		0.00	0.17		0.00	
1	-0.07		0.02	0.02	0.00		0.20	5.61	-0.04	-0.10
2	0.00	-0.01	-0.01	-0.02	-0.10	-0.09	-0.04	10.00	0.06	0.09
3	0.02	0.01	0.01	0.00	0.09	0.06	-0.04	10.00	-0.09	-0.10
4	-0.02	-0.02		0.07	-0.10	-0.04	0.20	14.06		0.00
RExt	0.00			0.00	0.00		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Calc	Limit	UC	Moment(f-k) Loc	Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
LExt	RSup	0.00	4.49	0.00	RSup	0.00	12.65	0.00	LSup	0.00	0.00	
1	LSup	-0.07	4.49	0.02	MidS	0.20	8.85	0.02	LSup	0.00	0.02	
2	RLap	-0.01	4.49	0.00	LLap	-0.09	11.40	0.01	LSup	0.00	-0.01	
3	LLap	0.01	4.49	0.00	RLap	-0.09	11.40	0.01	LSup	0.00	-0.01	
4	RSup	0.07	4.49	0.02	MidS	0.20	8.85	0.02	LSup	0.00	0.02	
RExt	LSup	0.00	4.49	0.00	LSup	0.00	12.65	0.00	LSup	0.00	0.00	

LAP BOLT SHEAR/BEARING:
Bolt = 0.500 (A307)

Bay Id	Left_Lap(k) Calc Shear	Bear	UC	Right_Lap(k) Calc Shear	Bear	UC
1				0.00	3.92	2.90 0.00
2	0.00	3.92	2.90 0.00	0.01	3.92	2.90 0.00
3	0.01	3.92	2.90 0.00	0.00	3.92	2.90 0.00
4	0.00	3.92	2.90 0.00			

LOAD ID 20 - 0.9Dead+1.4Wind_Pressure1 Factored_Load:

REACTIONS:

Bay Id	Shear(k) Left Sup	Shear(k) Left Lap	Shear(k) Right Lap	Shear(k) Right Sup	Moment(f-k) Left Sup	Moment(f-k) Left Lap	Moment(f-k) MidSpan Mom	Moment(f-k) MidSpan Loc	Moment(f-k) Right Lap	Moment(f-k) Right Sup
LExt	0.00		-0.02	0.00		0.00	0.17		0.00	
1	0.48		-0.61	-0.80	0.00		-1.76	7.36	1.14	3.18
2	0.72	0.53	-0.46	-0.59	3.18	1.39	-0.76	10.99	0.90	1.88
3	0.59	0.46	-0.53	-0.72	1.88	0.90	-0.76	9.01	1.39	3.18
4	0.80	0.61		-0.48	3.18	1.14	-1.76	12.31		0.00
RExt	0.02			0.00	0.00		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Calc	Limit	UC	Moment(f-k) Loc	Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
LExt	RSup	-0.02	4.49	0.00	RSup	0.00	12.65	0.00	LSup	0.00	0.01	

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1	RLap	-0.61	4.49	0.14	MidS	-1.76	11.40	0.15	RLap	0.16	-0.18
2	LLap	0.53	4.49	0.12	LLap	1.39	9.90	0.14	LLap	0.16	-0.04
3	RLap	-0.53	4.49	0.12	RLap	1.39	9.90	0.14	RLap	0.16	-0.04
4	LLap	0.61	4.49	0.14	MidS	-1.76	11.40	0.15	LLap	0.16	-0.18
REXt	LSup	0.02	4.49	0.00	LSup	0.00	12.65	0.00	LSup	0.00	0.01

LAP BOLT SHEAR/BEARING:
Bolt = 0.500 (A307)

Bay	Left_Lap(k)				Right_Lap(k)			
Id	Calc	Shear	Bear	UC	Calc	Shear	Bear	UC
1					0.28	3.92	2.90	0.10
2	0.28	3.92	2.90	0.10	0.25	3.92	2.90	0.09
3	0.25	3.92	2.90	0.09	0.28	3.92	2.90	0.10
4	0.28	3.92	2.90	0.10				

LOAD ID 21 - 0.9Dead+1.4Wind_Suction1 Factored_Load:

REACTIONS:

Bay	Shear(k)				Moment(f-k)					
	Left	Left	Right	Right	Left	Left	MidSpan		Right	Right
Id	Sup	Lap	Lap	Sup	Sup	Lap	Mom	Loc	Lap	Sup
LExt	0.00			0.05	0.00		0.00	0.17		-0.01
1	-0.99		1.19	1.55	-0.01		3.54	7.19	-2.22	-6.16
2	-1.37	-1.01	0.87	1.10	-6.16	-2.73	1.42	11.07	-1.65	-3.51
3	-1.10	-0.87	1.01	1.37	-3.51	-1.65	1.42	8.93	-2.73	-6.16
4	-1.55	-1.19		0.99	-6.16	-2.22	3.54	12.47		-0.01
REXt	-0.05			0.00	-0.01		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay	Shear(k)				Moment(f-k)				-Mom+Shr-		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
LExt	RSup	0.05	4.49	0.01	RSup	-0.01	12.65	0.00	LSup	0.00	-0.02	
1	RLap	1.19	4.49	0.27	MidS	3.54	8.85	0.40	RLap	0.32	0.37	
2	LLap	-1.01	4.49	0.23	LSup	-3.08	12.65	0.24	LLap	0.31	0.07	
3	RLap	1.01	4.49	0.23	RSup	-3.08	12.65	0.24	RLap	0.31	0.07	
4	LLap	-1.19	4.49	0.27	MidS	3.54	8.85	0.40	LLap	0.32	0.37	
REXt	LSup	-0.05	4.49	0.01	LSup	-0.01	12.65	0.00	LSup	0.00	-0.02	

LAP BOLT SHEAR/BEARING:
Bolt = 0.500 (A307)

Bay	Left_Lap(k)				Right_Lap(k)			
Id	Calc	Shear	Bear	UC	Calc	Shear	Bear	UC
1					0.54	3.92	2.90	0.18
2	0.54	3.92	2.90	0.18	0.47	3.92	2.90	0.16
3	0.47	3.92	2.90	0.16	0.54	3.92	2.90	0.18
4	0.54	3.92	2.90	0.18				

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LOAD ID 22 - 0.9Dead+Live/2+1.4Wind_Pressure1 Factored_Load:

REACTIONS:

Bay Id	Shear(k) Left Sup	Shear(k) Left Lap	Shear(k) Right Lap	Shear(k) Right Sup	Moment(f-k) Left Sup	Moment(f-k) Left Lap	Moment(f-k) MidSpan Mom	Moment(f-k) MidSpan Loc	Moment(f-k) Right Lap	Moment(f-k) Right Sup
LExt	0.00		-0.04	0.00		0.00	0.17			0.01
1	0.81		-1.04	-1.36	0.01		-2.98	7.36	1.93	5.39
2	1.21	0.90	-0.79	-1.00	5.39	2.35	-1.29	10.99	1.52	3.20
3	1.00	0.79	-0.90	-1.21	3.20	1.52	-1.29	9.01	2.35	5.39
4	1.36	1.04		-0.81	5.39	1.93	-2.98	12.31		0.01
RExt	0.04			0.00	0.01		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Shear(k) Calc	Shear(k) Limit	Shear(k) UC	Moment(f-k) Loc	Moment(f-k) Calc	Moment(f-k) Limit	Moment(f-k) UC	-Mom+Shr- Loc	-Mom+Shr- UC	Deflect(in) Calc	Deflect(in) Limit
LExt	RSup	-0.04	4.49	0.01	RSup	0.01	12.65	0.00	LSup	0.00	0.02	
1	RLap	-1.04	4.49	0.23	MidS	-2.98	11.40	0.26	RLap	0.28	-0.31	
2	LLap	0.90	4.49	0.20	LLap	2.35	9.90	0.24	LLap	0.27	-0.07	
3	RLap	-0.90	4.49	0.20	RLap	2.35	9.90	0.24	RLap	0.27	-0.07	
4	LLap	1.04	4.49	0.23	MidS	-2.98	11.40	0.26	LLap	0.28	-0.31	
RExt	LSup	0.04	4.49	0.01	LSup	0.01	12.65	0.00	LSup	0.00	0.02	

LAP BOLT SHEAR/BEARING:

Bolt = 0.500 (A307)

Bay Id	Left_Lap(k) Calc Shear	Left_Lap(k) Bear	Left_Lap(k) UC	Right_Lap(k) Calc Shear	Right_Lap(k) Bear	Right_Lap(k) UC
1				0.47	3.92	2.90 0.16
2	0.47	3.92	2.90 0.16	0.43	3.92	2.90 0.15
3	0.43	3.92	2.90 0.15	0.47	3.92	2.90 0.16
4	0.47	3.92	2.90 0.16			

LOAD ID 23 - 0.9Dead+Live/2+1.4Wind_Suction1 Factored_Load:

REACTIONS:

Bay Id	Shear(k) Left Sup	Shear(k) Left Lap	Shear(k) Right Lap	Shear(k) Right Sup	Moment(f-k) Left Sup	Moment(f-k) Left Lap	Moment(f-k) MidSpan Mom	Moment(f-k) MidSpan Loc	Moment(f-k) Right Lap	Moment(f-k) Right Sup
LExt	0.00		0.03	0.00		0.00	0.17			-0.01
1	-0.65		0.77	0.99	-0.01		2.32	7.13	-1.42	-3.95
2	-0.87	-0.65	0.55	0.70	-3.95	-1.77	0.89	11.12	-1.03	-2.20
3	-0.70	-0.55	0.65	0.87	-2.20	-1.03	0.89	8.88	-1.77	-3.95
4	-0.99	-0.77		0.65	-3.95	-1.42	2.32	12.53		-0.01
RExt	-0.03			0.00	-0.01		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay	Shear(k)	Moment(f-k)	-Mom+Shr-	Deflect(in)

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Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
LExt	RSup	0.03	4.49	0.01	RSup	-0.01	12.65	0.00	LSup	0.00	-0.02	
1	RLap	0.77	4.49	0.17	MidS	2.32	8.85	0.26	RLap	0.20	0.24	
2	LLap	-0.65	4.49	0.14	LSup	-1.97	12.65	0.16	LLap	0.20	0.04	
3	RLap	0.65	4.49	0.14	RSup	-1.97	12.65	0.16	RLap	0.20	0.04	
4	LLap	-0.77	4.49	0.17	MidS	2.32	8.85	0.26	LLap	0.20	0.24	
RExt	LSup	-0.03	4.49	0.01	LSup	-0.01	12.65	0.00	LSup	0.00	-0.02	

LAP BOLT SHEAR/BEARING:
Bolt = 0.500 (A307)

Bay	Left_Lap(k)				Right_Lap(k)			
Id	Calc	Shear	Bear	UC	Calc	Shear	Bear	UC
1					0.34	3.92	2.90	0.12
2	0.34	3.92	2.90	0.12	0.29	3.92	2.90	0.10
3	0.29	3.92	2.90	0.10	0.34	3.92	2.90	0.12
4	0.34	3.92	2.90	0.12				

LOAD ID 24 - 0.9Dead+Snow/2+1.4Wind_Pressure1+Snow_Drift/2+Slide_Snow/2 F:

REACTIONS:

Bay	Shear(k)				Moment(f-k)					
	Left	Left	Right	Right	Left	Left	MidSpan		Right	Right
Id	Sup	Lap	Lap	Sup	Sup	Lap	Mom	Loc	Lap	Sup
LExt	0.00			-0.06	0.00		0.00	0.17		0.01
1	1.25		-1.60	-2.09	0.01		-4.59	7.36	2.97	8.28
2	1.87	1.38	-1.21	-1.53	8.28	3.61	-1.98	10.99	2.34	4.91
3	1.53	1.21	-1.38	-1.87	4.91	2.34	-1.98	9.01	3.61	8.28
4	2.09	1.60		-1.25	8.28	2.97	-4.59	12.31		0.01
RExt	0.06			0.00	0.01		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay	Shear(k)				Moment(f-k)				-Mom+Shr-		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
LExt	RSup	-0.06	4.49	0.01	RSup	0.01	12.65	0.00	LSup	0.00	0.03	
1	RLap	-1.60	4.49	0.36	MidS	-4.59	11.40	0.40	RLap	0.43	-0.47	
2	LLap	1.38	4.49	0.31	LLap	3.61	9.90	0.36	LLap	0.42	-0.11	
3	RLap	-1.38	4.49	0.31	RLap	3.61	9.90	0.36	RLap	0.42	-0.11	
4	LLap	1.60	4.49	0.36	MidS	-4.59	11.40	0.40	LLap	0.43	-0.47	
RExt	LSup	0.06	4.49	0.01	LSup	0.01	12.65	0.00	LSup	0.00	0.03	

LAP BOLT SHEAR/BEARING:
Bolt = 0.500 (A307)

Bay	Left_Lap(k)				Right_Lap(k)			
Id	Calc	Shear	Bear	UC	Calc	Shear	Bear	UC
1					0.72	3.92	2.90	0.25
2	0.72	3.92	2.90	0.25	0.66	3.92	2.90	0.23

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3	0.66	3.92	2.90	0.23	0.72	3.92	2.90	0.25	
4	0.72	3.92	2.90	0.25					

LOAD ID 25 - 0.9Dead+Snow/2+1.4Wind_Suction1+Snow_Drift/2+Slide_Snow/2 Fa:

REACTIONS:

Bay Id	Shear(k) Left Sup	Left Lap	Right Lap	Right Sup	Moment(f-k) Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00			0.01	0.00		0.00	0.17		0.00
1	-0.22		0.21	0.26	0.00		0.72	6.66	-0.38	-1.05
2	-0.22	-0.16	0.13	0.16	-1.05	-0.50	0.20	11.52	-0.21	-0.48
3	-0.16	-0.13	0.16	0.22	-0.48	-0.21	0.20	8.48	-0.50	-1.05
4	-0.26	-0.21		0.22	-1.05	-0.38	0.72	13.00		0.00
RExt	-0.01			0.00	0.00		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Calc	Limit	UC	Moment(f-k) Loc	Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
LExt	RSup	0.01	4.49	0.00	RSup	0.00	12.65	0.00	LSup	0.00	-0.01	
1	LSup	-0.22	4.49	0.05	MidS	0.72	8.85	0.08	RLap	0.06	0.07	
2	LLap	-0.16	4.49	0.04	LLap	-0.50	11.40	0.04	LLap	0.05	0.01	
3	RLap	0.16	4.49	0.04	RLap	-0.50	11.40	0.04	RLap	0.05	0.01	
4	RSup	0.22	4.49	0.05	MidS	0.72	8.85	0.08	LLap	0.06	0.07	
RExt	LSup	-0.01	4.49	0.00	LSup	0.00	12.65	0.00	LSup	0.00	-0.01	

LAP BOLT SHEAR/BEARING:

Bolt = 0.500 (A307)

Bay Id	Left_Lap(k) Calc Shear	Bear	UC	Right_Lap(k) Calc Shear	Bear	UC
1				0.09	3.92	2.90 0.03
2	0.09	3.92	2.90 0.03	0.06	3.92	2.90 0.02
3	0.06	3.92	2.90 0.02	0.09	3.92	2.90 0.03
4	0.09	3.92	2.90 0.03			

LOAD ID 26 - 1.25Dead+1.25Collateral+0.75Snow+1.5PAT_SL_1 Factored_Load:

REACTIONS:

Bay Id	Shear(k) Left Sup	Left Lap	Right Lap	Right Sup	Moment(f-k) Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00			-0.11	0.00		0.00	0.17		0.02
1	2.66		-3.09	-4.07	0.02		-10.34	7.78	3.57	13.85
2	2.35	1.82	-1.01	-1.36	13.85	7.86	-1.05	12.68	1.70	3.91
3	1.57	1.23	-1.60	-2.13	3.91	1.28	-2.78	8.50	4.10	9.46
4	2.30	1.77		-1.34	9.46	3.61	-4.84	12.43		0.01
RExt	0.06			0.00	0.01		0.00	0.17		0.00

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	Customer	Norsteel Buildings	**Designed By**	MQZ
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STRENGTH/DEFLECTION:

Bay		Shear(k)			Moment(f-k)				-Mom+Shr-		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
LExt	RSup	-0.11	4.49	0.03	RSup	0.02	12.65	0.00	LSup	0.00	0.07	
1	RLap	-3.09	4.49	0.69	MidS	-10.34	11.40	0.91	RLap	0.74	-1.19	
2	LLap	1.82	4.49	0.41	LLap	7.86	9.59	0.82	LLap	0.74	0.17	
3	RLap	-1.60	4.49	0.36	RLap	4.10	9.93	0.41	RLap	0.48	-0.21	
4	LLap	1.77	4.49	0.39	MidS	-4.84	11.40	0.42	LLap	0.49	-0.48	
RExt	LSup	0.06	4.49	0.01	LSup	0.01	12.65	0.00	LSup	0.00	0.03	

LAP BOLT SHEAR/BEARING:
Bolt = 0.500 (A307)

Bay	Left_Lap(k)				Right_Lap(k)			
Id	Calc	Shear	Bear	UC	Calc	Shear	Bear	UC
1					1.20	3.92	2.90	0.42
2	1.20	3.92	2.90	0.42	0.52	3.92	2.90	0.18
3	0.52	3.92	2.90	0.18	0.82	3.92	2.90	0.28
4	0.82	3.92	2.90	0.28				

LOAD ID 27 - 1.25Dead+1.25Collateral+0.75Snow+1.5PAT_SL_2 Factored_Load:

REACTIONS:

Bay	Shear(k)				Moment(f-k)					
	Left	Left	Right	Right	Left	Left	MidSpan		Right	Right
Id	Sup	Lap	Lap	Sup	Sup	Lap	Mom	Loc	Lap	Sup
LExt	0.00			-0.06	0.00		0.00	0.17		0.01
1	1.18		-1.93	-2.46	0.01		-3.78	6.39	6.24	12.54
2	3.60	2.61	-2.61	-3.25	12.54	3.62	-6.35	10.51	3.59	9.08
3	1.91	1.56	-1.26	-1.79	9.08	5.82	-0.77	10.31	3.53	7.92
4	2.22	1.69		-1.42	7.92	2.29	-5.43	12.00		0.01
RExt	0.06			0.00	0.01		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay		Shear(k)			Moment(f-k)				-Mom+Shr-		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
LExt	RSup	-0.06	4.49	0.01	RSup	0.01	12.65	0.00	LSup	0.00	0.02	
1	RLap	-1.93	4.49	0.43	RLap	6.24	9.80	0.64	RLap	0.65	-0.23	
2	LLap	2.61	4.49	0.58	MidS	-6.35	11.40	0.56	LLap	0.65	-0.64	
3	LLap	1.56	4.49	0.35	LLap	5.82	9.65	0.60	LLap	0.58	0.11	
4	LLap	1.69	4.49	0.38	MidS	-5.43	11.40	0.48	LLap	0.42	-0.61	
RExt	LSup	0.06	4.49	0.01	LSup	0.01	12.65	0.00	LSup	0.00	0.04	

LAP BOLT SHEAR/BEARING:
Bolt = 0.500 (A307)

Bay	Left_Lap(k)				Right_Lap(k)			
Id	Calc	Shear	Bear	UC	Calc	Shear	Bear	UC

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Bay Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	Right Lap	Right Sup
1					1.09	3.92	2.90	0.38
2	1.09	3.92	2.90	0.38	1.21	3.92	2.90	0.42
3	1.21	3.92	2.90	0.42	0.69	3.92	2.90	0.24
4	0.69	3.92	2.90	0.24				

LOAD ID 28 - 1.25Dead+1.25Collateral+0.75Snow+1.5PAT_SL_3 Factored_Load:

REACTIONS:

Bay Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00		-0.06	0.00		0.00	0.17			0.01
1	1.42		-1.69	-2.22	0.01		-5.43	7.66	2.29	7.92
2	1.79	1.26	-1.56	-1.91	7.92	3.53	-0.77	9.69	5.82	9.08
3	3.25	2.61	-2.61	-3.60	9.08	3.59	-6.35	9.49	3.62	12.54
4	2.46	1.93		-1.18	12.54	6.24	-3.78	13.27		0.01
RExt	0.06			0.00	0.01		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Shear(k) Calc	Shear(k) Limit	Shear(k) UC	Moment(f-k) Loc	Moment(f-k) Calc	Moment(f-k) Limit	Moment(f-k) UC	-Mom+Shr- Loc	-Mom+Shr- UC	Deflect(in) Calc	Deflect(in) Limit
LExt	RSup	-0.06	4.49	0.01	RSup	0.01	12.65	0.00	LSup	0.00	0.04	
1	RLap	-1.69	4.49	0.38	MidS	-5.43	11.40	0.48	RLap	0.42	-0.61	
2	RLap	-1.56	4.49	0.35	RLap	5.82	9.65	0.60	RLap	0.58	0.11	
3	RLap	-2.61	4.49	0.58	MidS	-6.35	11.40	0.56	RLap	0.65	-0.64	
4	LLap	1.93	4.49	0.43	LLap	6.24	9.80	0.64	LLap	0.65	-0.23	
RExt	LSup	0.06	4.49	0.01	LSup	0.01	12.65	0.00	LSup	0.00	0.02	

LAP BOLT SHEAR/BEARING:
Bolt = 0.500 (A307)

Bay Id	Left_Lap(k) Calc Shear	Left_Lap(k) Bear	Left_Lap(k) UC	Right_Lap(k) Calc Shear	Right_Lap(k) Bear	Right_Lap(k) UC
1				0.69	3.92	2.90 0.24
2	0.69	3.92	2.90 0.24	1.21	3.92	2.90 0.42
3	1.21	3.92	2.90 0.42	1.09	3.92	2.90 0.38
4	1.09	3.92	2.90 0.38			

LOAD ID 29 - 1.25Dead+1.25Collateral+0.75Snow+1.5PAT_SL_4 Factored_Load:

REACTIONS:

Bay Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00		-0.06	0.00		0.00	0.17			0.01
1	1.34		-1.77	-2.30	0.01		-4.84	7.24	3.61	9.46
2	2.13	1.60	-1.23	-1.57	9.46	4.10	-2.78	11.50	1.28	3.91

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3	1.36	1.01	-1.82	-2.35	3.91	1.70	-1.05	7.32	7.86	13.85
4	4.07	3.09		-2.66	13.85	3.57	-10.34	11.89		0.02
REXt	0.11			0.00	0.02		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay		Shear(k)				Moment(f-k)				Mom+Shr		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC		Calc	Limit
LExt	RSup	-0.06	4.49	0.01	RSup	0.01	12.65	0.00	LSup	0.00		0.03	
1	RLap	-1.77	4.49	0.39	MidS	-4.84	11.40	0.42	RLap	0.49		-0.48	
2	LLap	1.60	4.49	0.36	LLap	4.10	9.93	0.41	LLap	0.48		-0.21	
3	RLap	-1.82	4.49	0.41	RLap	7.86	9.59	0.82	RLap	0.74		0.17	
4	LLap	3.09	4.49	0.69	MidS	-10.34	11.40	0.91	LLap	0.74		-1.19	
REXt	LSup	0.11	4.49	0.03	LSup	0.02	12.65	0.00	LSup	0.00		0.07	

LAP BOLT SHEAR/BEARING:
Bolt = 0.500 (A307)

Bay	Left_Lap(k)				Right_Lap(k)			
Id	Calc	Shear	Bear	UC	Calc	Shear	Bear	UC
1					0.82	3.92	2.90	0.28
2	0.82	3.92	2.90	0.28	0.52	3.92	2.90	0.18
3	0.52	3.92	2.90	0.18	1.20	3.92	2.90	0.42
4	1.20	3.92	2.90	0.42				

LOAD ID 30 - 1.25Dead+1.25Collateral+0.75Snow+1.5PAT_SL_5 Factored_Load:

REACTIONS:

Bay	Shear(k)				Moment(f-k)					
	Left	Left	Right	Right	Left	Left	MidSpan		Right	Right
Id	Sup	Lap	Lap	Sup	Sup	Lap	Mom	Loc	Lap	Sup
LExt	0.00			-0.11	0.00		0.00	0.17		0.02
1	2.48		-3.26	-4.25	0.02		-9.00	7.26	6.56	17.36
2	3.91	2.93	-2.29	-2.94	17.36	7.54	-4.97	11.42	2.73	7.63
3	1.82	1.47	-1.36	-1.89	7.63	4.55	-1.27	9.81	3.69	8.35
4	2.25	1.71		-1.40	8.35	2.66	-5.26	12.12		0.01
REXt	0.06			0.00	0.01		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay		Shear(k)				Moment(f-k)				Mom+Shr		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC		Calc	Limit
LExt	RSup	-0.11	4.49	0.03	RSup	0.02	12.65	0.00	LSup	0.00		0.06	
1	RLap	-3.26	4.49	0.73	MidS	-9.00	11.40	0.79	RLap	0.89		-0.90	
2	LLap	2.93	4.49	0.65	LLap	7.54	9.93	0.76	LLap	0.88		-0.35	
3	LLap	1.47	4.49	0.33	LLap	4.55	9.77	0.47	LLap	0.49		0.02	
4	LLap	1.71	4.49	0.38	MidS	-5.26	11.40	0.46	LLap	0.44		-0.57	
REXt	LSup	0.06	4.49	0.01	LSup	0.01	12.65	0.00	LSup	0.00		0.04	

LAP BOLT SHEAR/BEARING:
Bolt = 0.500 (A307)

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Bay Id	Left_Lap(k) Calc Shear	Bear	UC	Right_Lap(k) Calc Shear	Bear	UC
1				1.51	3.92	2.90 0.52
2	1.51	3.92	2.90 0.52	1.02	3.92	2.90 0.35
3	1.02	3.92	2.90 0.35	0.73	3.92	2.90 0.25
4	0.73	3.92	2.90 0.25			

LOAD ID 31 - 1.25Dead+1.25Collateral+0.75Snow+1.5PAT_SL_6 Factored_Load:

REACTIONS:

Bay Id	Shear(k) Left Sup	Left Lap	Right Lap	Right Sup	Moment(f-k) Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00		-0.06	0.00		0.00	0.17			0.01
1	1.24		-1.87	-2.40	0.01		-4.14	6.70	5.29	11.43
2	3.36	2.37	-2.85	-3.49	11.43	3.20	-5.01	9.80	6.85	12.80
3	3.49	2.85	-2.37	-3.36	12.80	6.85	-5.01	10.20	3.20	11.43
4	2.40	1.87		-1.24	11.43	5.29	-4.14	12.97		0.01
RExt	0.06			0.00	0.01		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Calc	Limit	UC	Moment(f-k) Loc	Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
LExt	RSup	-0.06	4.49	0.01	RSup	0.01	12.65	0.00	LSup	0.00	0.03	
1	RLap	-1.87	4.49	0.42	RLap	5.29	9.88	0.54	RLap	0.59	-0.32	
2	RLap	-2.85	4.49	0.64	RLap	6.85	9.96	0.69	RLap	0.84	-0.41	
3	LLap	2.85	4.49	0.64	LLap	6.85	9.96	0.69	LLap	0.84	-0.41	
4	LLap	1.87	4.49	0.42	LLap	5.29	9.88	0.54	LLap	0.59	-0.32	
RExt	LSup	0.06	4.49	0.01	LSup	0.01	12.65	0.00	LSup	0.00	0.03	

LAP BOLT SHEAR/BEARING:
Bolt = 0.500 (A307)

Bay Id	Left_Lap(k) Calc Shear	Bear	UC	Right_Lap(k) Calc Shear	Bear	UC
1				0.99	3.92	2.90 0.34
2	0.99	3.92	2.90 0.34	1.71	3.92	2.90 0.59
3	1.71	3.92	2.90 0.59	0.99	3.92	2.90 0.34
4	0.99	3.92	2.90 0.34			

LOAD ID 32 - 1.25Dead+1.25Collateral+0.75Snow+1.5PAT_SL_7 Factored_Load:

REACTIONS:

Bay Id	Shear(k) Left Sup	Left Lap	Right Lap	Right Sup	Moment(f-k) Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup

	Job No	011467_RF	**Date**	3/26/2024	
	Customer	Norsteel Buildings	**Designed By**	MQZ	
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0			

LExt	0.00			-0.06	0.00		0.00	0.17		0.01
1	1.40		-1.71	-2.25	0.01		-5.26	7.54	2.66	8.35
2	1.89	1.36	-1.47	-1.82	8.35	3.69	-1.27	10.19	4.55	7.63
3	2.94	2.29	-2.93	-3.91	7.63	2.73	-4.97	8.58	7.54	17.36
4	4.25	3.26		-2.48	17.36	6.56	-9.00	12.41		0.02
RExt	0.11			0.00	0.02		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay	Shear(k)				Moment(f-k)				-Mom+Shr-		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
LExt	RSup	-0.06	4.49	0.01	RSup	0.01	12.65	0.00	LSup	0.00	0.04	
1	RLap	-1.71	4.49	0.38	MidS	-5.26	11.40	0.46	RLap	0.44	-0.57	
2	RLap	-1.47	4.49	0.33	RLap	4.55	9.77	0.47	RLap	0.49	0.02	
3	RLap	-2.93	4.49	0.65	RLap	7.54	9.93	0.76	RLap	0.88	-0.35	
4	LLap	3.26	4.49	0.73	MidS	-9.00	11.40	0.79	LLap	0.89	-0.90	
RExt	LSup	0.11	4.49	0.03	LSup	0.02	12.65	0.00	LSup	0.00	0.06	

LAP BOLT SHEAR/BEARING:
Bolt = 0.500 (A307)

Bay	Left_Lap(k)				Right_Lap(k)			
Id	Calc	Shear	Bear	UC	Calc	Shear	Bear	UC
1					0.73	3.92	2.90	0.25
2	0.73	3.92	2.90	0.25	1.02	3.92	2.90	0.35
3	1.02	3.92	2.90	0.35	1.51	3.92	2.90	0.52
4	1.51	3.92	2.90	0.52				

LOAD ID 33 - 1.25Dead+1.25Collateral+1.5UNB_SL_L Factored_Load:

REACTIONS:

Bay	Shear(k)				Moment(f-k)					
Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00			-0.11	0.00		0.00	0.17		0.02
1	2.52		-3.23	-4.21	0.02		-9.25	7.36	5.99	16.69
2	3.76	2.78	-2.44	-3.08	16.69	7.28	-3.99	10.99	4.72	9.90
3	3.08	2.44	-2.78	-3.76	9.90	4.72	-3.99	9.01	7.28	16.69
4	4.21	3.23		-2.52	16.69	5.99	-9.25	12.31		0.02
RExt	0.11			0.00	0.02		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay	Shear(k)				Moment(f-k)				-Mom+Shr-		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
LExt	RSup	-0.11	4.49	0.03	RSup	0.02	12.65	0.00	LSup	0.00	0.06	
1	RLap	-3.23	4.49	0.72	MidS	-9.25	11.40	0.81	RLap	0.86	-0.96	
2	LLap	2.78	4.49	0.62	LLap	7.28	9.90	0.74	LLap	0.85	-0.22	
3	RLap	-2.78	4.49	0.62	RLap	7.28	9.90	0.74	RLap	0.85	-0.22	
4	LLap	3.23	4.49	0.72	MidS	-9.25	11.40	0.81	LLap	0.86	-0.96	
RExt	LSup	0.11	4.49	0.03	LSup	0.02	12.65	0.00	LSup	0.00	0.06	

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

LAP BOLT SHEAR/BEARING:
Bolt = 0.500 (A307)

Bay Id	Left_Lap(k) Calc Shear	Bear	UC	Right_Lap(k) Calc Shear	Bear	UC
1				1.45	3.92	2.90 0.50
2	1.45	3.92	2.90 0.50	1.32	3.92	2.90 0.46
3	1.32	3.92	2.90 0.46	1.45	3.92	2.90 0.50
4	1.45	3.92	2.90 0.50			

LOAD ID 34 - 1.25Dead+1.25Collateral+1.5UNB_SL_R Factored_Load:

REACTIONS:

Bay Id	Shear(k) Left Sup	Left Lap	Right Lap	Right Sup	Moment(f-k) Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00		-0.06		0.00		0.00	0.17		0.01
1	1.36		-1.75	-2.28	0.01		-5.00	7.36	3.24	9.03
2	2.04	1.50	-1.32	-1.67	9.03	3.94	-2.16	10.99	2.56	5.36
3	1.67	1.32	-1.50	-2.04	5.36	2.56	-2.16	9.01	3.94	9.03
4	2.28	1.75		-1.36	9.03	3.24	-5.00	12.31		0.01
RExt	0.06			0.00	0.01		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Calc	Limit	UC	Moment(f-k) Loc	Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
LExt	RSup	-0.06	4.49	0.01	RSup	0.01	12.65	0.00	LSup	0.00	0.03	
1	RLap	-1.75	4.49	0.39	MidS	-5.00	11.40	0.44	RLap	0.47	-0.52	
2	LLap	1.50	4.49	0.34	LLap	3.94	9.90	0.40	LLap	0.46	-0.12	
3	RLap	-1.50	4.49	0.34	RLap	3.94	9.90	0.40	RLap	0.46	-0.12	
4	LLap	1.75	4.49	0.39	MidS	-5.00	11.40	0.44	LLap	0.47	-0.52	
RExt	LSup	0.06	4.49	0.01	LSup	0.01	12.65	0.00	LSup	0.00	0.03	

LAP BOLT SHEAR/BEARING:
Bolt = 0.500 (A307)

Bay Id	Left_Lap(k) Calc Shear	Bear	UC	Right_Lap(k) Calc Shear	Bear	UC
1				0.79	3.92	2.90 0.27
2	0.79	3.92	2.90 0.27	0.71	3.92	2.90 0.25
3	0.71	3.92	2.90 0.25	0.79	3.92	2.90 0.27
4	0.79	3.92	2.90 0.27			

DEFLECTION Service_Load:

LOAD ID 35 - Dead+Collateral+Live Service_Load:

Bay	Offset	Deflect(in)

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Id	(ft)	Calc	Limit	Ratio
LExt	0.00	0.02		
1	9.83	-0.32	1.31	0.24
2	10.00	-0.07	1.33	0.05
3	10.00	-0.07	1.33	0.05
4	9.83	-0.32	1.31	0.24
RExt	0.33	0.02		

LOAD ID 36 - Dead+Collateral Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio
LExt	0.00	0.00		
1	9.83	-0.06	1.31	0.05
2	10.00	-0.01	1.33	0.01
3	10.00	-0.01	1.33	0.01
4	9.83	-0.06	1.31	0.05
RExt	0.33	0.00		

LOAD ID 37 - Dead+Live+0.3Wind_Pressure1 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio
LExt	0.00	0.02		
1	9.83	-0.31	1.97	0.16
2	10.00	-0.07	2.00	0.04
3	10.00	-0.07	2.00	0.04
4	9.83	-0.31	1.97	0.16
RExt	0.33	0.02		

LOAD ID 38 - Dead+Live+0.3Wind_Suction1 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio
LExt	0.00	0.01		
1	9.83	-0.20	1.97	0.10
2	10.00	-0.05	2.00	0.02
3	10.00	-0.05	2.00	0.02
4	9.83	-0.20	1.97	0.10
RExt	0.33	0.01		

LOAD ID 39 - Dead+Collateral+0.9Snow+0.9Snow_Drift+0.9Slide_Snow Service_:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio
LExt	0.00	0.04		
1	9.83	-0.59	1.31	0.45
2	10.00	-0.13	1.33	0.10
3	10.00	-0.13	1.33	0.10
4	9.83	-0.59	1.31	0.45
RExt	0.33	0.04		

LOAD ID 40 - Dead+0.9Snow+0.3Wind_Pressure1+0.9Snow_Drift+0.9Slide_Snow S:

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio	
LExt	0.00	0.04			
1	9.83	-0.59	1.97	0.30	
2	10.00	-0.13	2.00	0.07	
3	10.00	-0.13	2.00	0.07	
4	9.83	-0.59	1.97	0.30	
RExt	0.33	0.04			

LOAD ID 41 - Dead+0.9Snow+0.3Wind_Suction1+0.9Snow_Drift+0.9Slide_Snow Se:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio	
LExt	0.00	0.03			
1	9.83	-0.47	1.97	0.24	
2	10.00	-0.11	2.00	0.05	
3	10.00	-0.11	2.00	0.05	
4	9.83	-0.47	1.97	0.24	
RExt	0.33	0.03			

LOAD ID 42 - Dead+0.75Wind_Pressure1 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio	
LExt	0.00	0.01			
1	9.83	-0.11	1.97	0.06	W
2	10.00	-0.03	2.00	0.01	W
3	10.00	-0.03	2.00	0.01	W
4	9.83	-0.11	1.97	0.06	W
RExt	0.33	0.01			

LOAD ID 43 - Dead+0.75Wind_Suction1 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio	
LExt	0.00	-0.01			
1	9.83	0.18	1.97	0.09	W
2	10.00	0.04	2.00	0.02	W
3	10.00	0.04	2.00	0.02	W
4	9.83	0.18	1.97	0.09	W
RExt	0.33	-0.01			

LOAD ID 44 - Dead+Live/2+0.75Wind_Pressure1 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio	
LExt	0.00	0.02			
1	9.83	-0.24	1.97	0.12	
2	10.00	-0.05	2.00	0.03	
3	10.00	-0.05	2.00	0.03	
4	9.83	-0.24	1.97	0.12	
RExt	0.33	0.02			

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

LOAD ID 45 - Dead+Live/2+0.75Wind_Suction1 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio	
LExt	0.00	0.00			
1	9.83	0.06	1.97	0.03	
2	10.00	0.01	2.00	0.00	
3	10.00	0.01	2.00	0.00	
4	9.83	0.06	1.97	0.03	
RExt	0.33	0.00			

LOAD ID 46 - Dead+Collateral+0.45Snow+0.75Wind_Pressure1+0.45Snow_Drift+0:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio	
LExt	0.00	0.03			
1	9.83	-0.41	1.97	0.21	
2	10.00	-0.09	2.00	0.05	
3	10.00	-0.09	2.00	0.05	
4	9.83	-0.41	1.97	0.21	
RExt	0.33	0.03			

LOAD ID 47 - Dead+Collateral+0.45Snow+0.75Wind_Suction1+0.45Snow_Drift+0.:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio	
LExt	0.00	0.01			
1	9.83	-0.12	1.97	0.06	
2	10.00	-0.03	2.00	0.02	
3	10.00	-0.03	2.00	0.02	
4	9.83	-0.12	1.97	0.06	
RExt	0.33	0.01			

LOAD ID 48 - 0.75Wind_Pressure1 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio	
LExt	0.00	0.01			
1	9.83	-0.08	1.97	0.04	W
2	10.00	-0.02	2.00	0.01	W
3	10.00	-0.02	2.00	0.01	W
4	9.83	-0.08	1.97	0.04	W
RExt	0.33	0.01			

LOAD ID 49 - 0.75Wind_Suction1 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio	
LExt	0.00	-0.01			
1	9.83	0.21	1.97	0.11	W
2	10.00	0.04	2.00	0.02	W
3	10.00	0.04	2.00	0.02	W
4	9.83	0.21	1.97	0.11	W
RExt	0.33	-0.01			

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

LOAD ID 50 - 0.45Snow+PAT_SL_1 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio	
LExt	0.00	0.04			
1	9.83	-0.67	1.31	0.51	L
2	10.00	0.11	1.33	0.08	L
3	10.00	-0.11	1.33	0.08	L
4	9.83	-0.24	1.31	0.18	L
RExt	0.33	0.02			

LOAD ID 51 - 0.45Snow+PAT_SL_2 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio	
LExt	0.00	0.01			
1	9.83	-0.09	1.31	0.07	L
2	10.00	-0.37	1.33	0.28	L
3	10.00	0.08	1.33	0.06	L
4	9.83	-0.32	1.31	0.24	L
RExt	0.33	0.02			

LOAD ID 52 - 0.45Snow+PAT_SL_3 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio	
LExt	0.00	0.02			
1	9.83	-0.32	1.31	0.24	L
2	10.00	0.08	1.33	0.06	L
3	10.00	-0.37	1.33	0.28	L
4	9.83	-0.09	1.31	0.07	L
RExt	0.33	0.01			

LOAD ID 53 - 0.45Snow+PAT_SL_4 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio	
LExt	0.00	0.02			
1	9.83	-0.24	1.31	0.18	L
2	10.00	-0.11	1.33	0.08	L
3	10.00	0.11	1.33	0.08	L
4	9.83	-0.67	1.31	0.51	L
RExt	0.33	0.04			

LOAD ID 54 - 0.45Snow+PAT_SL_5 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio	
LExt	0.00	0.03			
1	9.83	-0.49	1.31	0.38	L
2	10.00	-0.20	1.33	0.15	L
3	10.00	0.02	1.33	0.02	L
4	9.83	-0.30	1.31	0.23	L

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

```
 REXt    0.33   0.02

 LOAD ID  55 - 0.45Snow+PAT_SL_6 Service_Load:
   Bay  Offset  Deflect(in)
    Id    (ft)   Calc Limit  Ratio
 ----  ------  ----- -----  -----
 LExt    0.00   0.01
    1    9.83  -0.15  1.31   0.11 L
    2   10.00  -0.24  1.33   0.18 L
    3   10.00  -0.24  1.33   0.18 L
    4    9.83  -0.15  1.31   0.11 L
 REXt    0.33   0.01

 LOAD ID  56 - 0.45Snow+PAT_SL_7 Service_Load:
   Bay  Offset  Deflect(in)
    Id    (ft)   Calc Limit  Ratio
 ----  ------  ----- -----  -----
 LExt    0.00   0.02
    1    9.83  -0.30  1.31   0.23 L
    2   10.00   0.02  1.33   0.02 L
    3   10.00  -0.20  1.33   0.15 L
    4    9.83  -0.49  1.31   0.38 L
 REXt    0.33   0.03

 LOAD ID  57 - UNB_SL_L Service_Load:
   Bay  Offset  Deflect(in)
    Id    (ft)   Calc Limit  Ratio
 ----  ------  ----- -----  -----
 LExt    0.00   0.04
    1    9.83  -0.53  1.31   0.40
    2   10.00  -0.12  1.33   0.09
    3   10.00  -0.12  1.33   0.09
    4    9.83  -0.53  1.31   0.40
 REXt    0.33   0.04

 LOAD ID  58 - UNB_SL_R Service_Load:
   Bay  Offset  Deflect(in)
    Id    (ft)   Calc Limit  Ratio
 ----  ------  ----- -----  -----
 LExt    0.00   0.02
    1    9.83  -0.26  1.31   0.20 L
    2   10.00  -0.06  1.33   0.04 L
    3   10.00  -0.06  1.33   0.04 L
    4    9.83  -0.26  1.31   0.20 L
 REXt    0.33   0.02
================================================================================
 011467_RF           In-Plane Roof Force                      3/26/24  3:24pm
================================================================================

         Win (k )= Design load in the plane of the purlin web
         Wout(k )= Design load in the plane of the purlin flange
         Pl  (k )= Force in plane of roof per anti-roll clip

 PURLIN ANTI-ROLL FORCES:
```

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Surf Id	Line Id	Load Id	--Roof_Load-- Win	Wout	Pl
2	1	30	32.12	2.68	-0.29
2	2	30	62.67	5.22	-0.46
2	3	31	63.19	5.27	-0.38
2	4	32	62.67	5.22	-0.46
2	5	29	32.12	2.68	-0.29

STANDARD CONNECTION:

Surf Id	Line Id	No.	Attachment	Roll Id	Thick	Force/Connection Calc	Limit	UC	Stiff Calc	Deflection Calc	Limit
2	L_EW	9	Direct bolt			0.00					
2	RF	9	Direct bolt			0.00					
2	R_EW	9	Direct bolt			0.00					

REQUIRED ANTI-ROLL CONNECTION:

Surf Id	Line Id	No.	Attachment	Roll Id	Thick	Force/Connection Calc	Limit	UC	Stiff Calc	Deflection Calc	Limit
2	L_EW	3	Bolted strap	@002	0.061	-0.29	3.72	0.08	2.05	0.14	0.35
2	RF	3	Bolted strap	@002	0.061	-0.46	3.72	0.12	2.05	0.23	0.35
2	R_EW	3	Bolted strap	@002	0.061	-0.29	3.72	0.08	2.05	0.14	0.35

PURLIN ANTI-ROLL LOCATION:

Surf Id	Line Id	No. Purlin	Purlin Location
2	L_EW	3	3 6 8
2	RF	3	3 6 8
2	R_EW	3	3 6 8

PANEL SHEAR/DIAPHRAGM:

Surf Id	Line Id	Panel_Shear Calc	Limit	-Deflection- Calc	Limit
2	L_EW	21.4	100.0	0.45	0.67
2	RF	17.3	100.0	0.46	0.67
2	R_EW	21.4	100.0	0.45	0.67

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011467_RF Roof Panel Design 3/26/24 3:24pm

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PANEL LAYOUT:

Surf Id	Part	Type	Gage	Yield	Surface Length	No. Purlin	Max Space	---Stiffness--- Rotation	Shear
2	26 PBR	PBR	26.00	80.0	40.14	9	4.349	0.00	1.20

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

PANEL STRENGTH:

Surf Id	Area	Load Id	Support Moment(ft-lb/ft) Offset	Calc	Limit	Ratio	Midspan Moment(ft-lb/ft) Offset	Calc	Limit	Ratio
2	Left	1	4.3	68.0	205.2	0.33	1.7	-50.0	187.2	0.27
		2	4.3	6.1	205.2	0.03	1.7	-4.5	187.2	0.02
		3	4.3	76.6	205.2	0.37	1.7	-56.4	187.2	0.30
		4	4.3	42.4	205.2	0.21	1.7	-31.4	187.2	0.17
		5	4.3	66.5	205.2	0.32	1.7	-48.9	187.2	0.26
		6	4.3	75.1	205.2	0.37	1.7	-55.3	187.2	0.30
		7	4.3	40.8	205.2	0.20	1.7	-30.3	187.2	0.16
		8	4.3	149.8	205.2	0.73	1.7	-110	187.2	0.59
		9	4.3	158.5	205.2	0.77	1.7	-117	187.2	0.62
		10	4.3	124.2	205.2	0.61	1.7	-91.6	187.2	0.49
		11	4.3	148.3	205.2	0.72	1.7	-109	187.2	0.58
		12	4.3	156.9	205.2	0.76	1.7	-115	187.2	0.62
		13	4.3	122.7	205.2	0.60	1.7	-90.5	187.2	0.48
		14	4.3	35.8	205.2	0.17	1.7	-26.3	187.2	0.14
		15	34.8	-95.2	187.2	0.51	1.7	61.1	205.2	0.30
		16	4.3	56.6	205.2	0.28	1.7	-41.7	187.2	0.22
		17	34.8	-77.9	187.2	0.42	1.7	45.8	205.2	0.22
		18	4.3	83.9	205.2	0.41	1.7	-61.7	187.2	0.33
		19	34.8	-55.3	187.2	0.30	37.0	30.6	205.2	0.15
		20	4.3	34.2	205.2	0.17	1.7	-25.2	187.2	0.13
		21	34.8	-96.5	187.2	0.52	1.7	62.3	205.2	0.30
		22	4.3	55.1	205.2	0.27	1.7	-40.5	187.2	0.22
		23	34.8	-79.2	187.2	0.42	1.7	46.9	205.2	0.23
		24	4.3	82.4	205.2	0.40	1.7	-60.6	187.2	0.32
		25	34.8	-56.6	187.2	0.30	37.0	31.3	205.2	0.15
		26	4.3	149.9	205.2	0.73	1.7	-110	187.2	0.59
		27	34.8	124.6	205.2	0.61	37.1	-67.7	187.2	0.36
2	Center	1	4.3	68.0	205.2	0.33	1.7	-50.0	187.2	0.27
		2	4.3	6.1	205.2	0.03	1.7	-4.5	187.2	0.02
		3	4.3	76.6	205.2	0.37	1.7	-56.4	187.2	0.30
		4	4.3	49.6	205.2	0.24	1.7	-35.0	187.2	0.19
		5	4.3	66.5	205.2	0.32	1.7	-48.9	187.2	0.26
		6	4.3	75.1	205.2	0.37	1.7	-55.3	187.2	0.30
		7	4.3	48.1	205.2	0.23	1.7	-33.8	187.2	0.18
		8	4.3	149.8	205.2	0.73	1.7	-110	187.2	0.59
		9	4.3	158.5	205.2	0.77	1.7	-117	187.2	0.62
		10	4.3	131.4	205.2	0.64	1.7	-95.2	187.2	0.51
		11	4.3	148.3	205.2	0.72	1.7	-109	187.2	0.58
		12	4.3	156.9	205.2	0.76	1.7	-115	187.2	0.62
		13	4.3	129.9	205.2	0.63	1.7	-94.0	187.2	0.50
		14	4.3	35.8	205.2	0.17	1.7	-26.3	187.2	0.14
		15	34.8	-61.4	187.2	0.33	1.8	48.7	205.2	0.24
		16	4.3	56.6	205.2	0.28	1.7	-41.7	187.2	0.22
		17	34.8	-44.1	187.2	0.24	1.8	33.4	205.2	0.16
		18	4.3	83.9	205.2	0.41	1.7	-61.7	187.2	0.33
		19	34.8	-21.5	187.2	0.11	2.0	13.3	205.2	0.06
		20	4.3	34.2	205.2	0.17	1.7	-25.2	187.2	0.13
		21	34.8	-62.7	187.2	0.33	1.8	49.8	205.2	0.24

Job No	011467_RF	**Date**	3/26/2024	
Customer	Norsteel Buildings	**Designed By**	MQZ	
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0			

		22	4.3	55.1	205.2	0.27	1.7	-40.5	187.2	0.22
		23	34.8	-45.4	187.2	0.24	1.8	34.5	205.2	0.17
		24	4.3	82.4	205.2	0.40	1.7	-60.6	187.2	0.32
		25	34.8	-22.8	187.2	0.12	2.0	14.4	205.2	0.07
		26	4.3	149.9	205.2	0.73	1.7	-110	187.2	0.59
		27	34.8	124.6	205.2	0.61	37.1	-67.7	187.2	0.36
2	Right	1	4.3	68.0	205.2	0.33	1.7	-50.0	187.2	0.27
		2	4.3	6.1	205.2	0.03	1.7	-4.5	187.2	0.02
		3	4.3	76.6	205.2	0.37	1.7	-56.4	187.2	0.30
		4	4.3	42.4	205.2	0.21	1.7	-31.4	187.2	0.17
		5	4.3	66.5	205.2	0.32	1.7	-48.9	187.2	0.26
		6	4.3	75.1	205.2	0.37	1.7	-55.3	187.2	0.30
		7	4.3	40.8	205.2	0.20	1.7	-30.3	187.2	0.16
		8	4.3	149.8	205.2	0.73	1.7	-110	187.2	0.59
		9	4.3	158.5	205.2	0.77	1.7	-117	187.2	0.62
		10	4.3	124.2	205.2	0.61	1.7	-91.6	187.2	0.49
		11	4.3	148.3	205.2	0.72	1.7	-109	187.2	0.58
		12	4.3	156.9	205.2	0.76	1.7	-115	187.2	0.62
		13	4.3	122.7	205.2	0.60	1.7	-90.5	187.2	0.48
		14	4.3	35.8	205.2	0.17	1.7	-26.3	187.2	0.14
		15	34.8	-95.2	187.2	0.51	1.7	61.1	205.2	0.30
		16	4.3	56.6	205.2	0.28	1.7	-41.7	187.2	0.22
		17	34.8	-77.9	187.2	0.42	1.7	45.8	205.2	0.22
		18	4.3	83.9	205.2	0.41	1.7	-61.7	187.2	0.33
		19	34.8	-55.3	187.2	0.30	37.0	30.6	205.2	0.15
		20	4.3	34.2	205.2	0.17	1.7	-25.2	187.2	0.13
		21	34.8	-96.5	187.2	0.52	1.7	62.3	205.2	0.30
		22	4.3	55.1	205.2	0.27	1.7	-40.5	187.2	0.22
		23	34.8	-79.2	187.2	0.42	1.7	46.9	205.2	0.23
		24	4.3	82.4	205.2	0.40	1.7	-60.6	187.2	0.32
		25	34.8	-56.6	187.2	0.30	37.0	31.3	205.2	0.15
		26	4.3	149.9	205.2	0.73	1.7	-110	187.2	0.59
		27	34.8	124.6	205.2	0.61	37.1	-67.7	187.2	0.36

PANEL DEFLECTION:

Surf Id	Area	Load Id	Deflection(in) Offset	Calc	Limit	Ratio
2	Left	28	2.2	-0.06	0.29	0.20
		29	2.2	-0.01	0.29	0.02
		30	2.2	-0.07	0.29	0.23
		31	2.2	-0.08	0.43	0.18
		32	2.2	-0.03	0.43	0.08
		33	2.2	-0.14	0.29	0.49
		34	2.2	-0.16	0.43	0.36
		35	2.2	-0.11	0.43	0.25
		36	2.2	-0.04	0.43	0.09
		37	2.2	0.08	0.43	0.17
		38	2.2	-0.07	0.43	0.15
		39	2.2	0.05	0.43	0.11
		40	2.2	-0.11	0.43	0.24
		41	37.0	0.02	0.43	0.04
		42	2.2	-0.03	0.43	0.07

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

		43	2.2	0.08	0.43	0.19
		44	2.2	-0.12	0.29	0.43
		45	37.0	-0.06	0.29	0.22
2	Center	28	2.2	-0.06	0.29	0.20
		29	2.2	-0.01	0.29	0.02
		30	2.2	-0.07	0.29	0.23
		31	2.2	-0.08	0.43	0.18
		32	2.2	-0.04	0.43	0.09
		33	2.2	-0.14	0.29	0.49
		34	2.2	-0.16	0.43	0.36
		35	2.2	-0.12	0.43	0.26
		36	2.2	-0.04	0.43	0.09
		37	2.2	0.06	0.43	0.15
		38	2.2	-0.07	0.43	0.15
		39	2.2	0.03	0.43	0.08
		40	2.2	-0.11	0.43	0.24
		41	28.3	-0.01	0.43	0.02
		42	2.2	-0.03	0.43	0.07
		43	2.2	0.07	0.43	0.16
		44	2.2	-0.12	0.29	0.43
		45	37.0	-0.06	0.29	0.22
2	Right	28	2.2	-0.06	0.29	0.20
		29	2.2	-0.01	0.29	0.02
		30	2.2	-0.07	0.29	0.23
		31	2.2	-0.08	0.43	0.18
		32	2.2	-0.03	0.43	0.08
		33	2.2	-0.14	0.29	0.49
		34	2.2	-0.16	0.43	0.36
		35	2.2	-0.11	0.43	0.25
		36	2.2	-0.04	0.43	0.09
		37	2.2	0.08	0.43	0.17
		38	2.2	-0.07	0.43	0.15
		39	2.2	0.05	0.43	0.11
		40	2.2	-0.11	0.43	0.24
		41	37.0	0.02	0.43	0.04
		42	2.2	-0.03	0.43	0.07
		43	2.2	0.08	0.43	0.19
		44	2.2	-0.12	0.29	0.43
		45	37.0	-0.06	0.29	0.22

LOAD COMBINATION:

Load Id	Description
1	1.25Dead+1.5Live
2	1.4Dead
3	1.25Dead+1.5Live+0.4Wind_Pressure1
4	1.25Dead+1.5Live+0.4Wind_Suction1
5	0.9Dead+1.5Live
6	0.9Dead+1.5Live+0.4Wind_Pressure1
7	0.9Dead+1.5Live+0.4Wind_Suction1
8	1.25Dead+1.5Snow+1.5Snow_Drift+1.5Slide_Snow
9	1.25Dead+1.5Snow+0.4Wind_Pressure1+1.5Snow_Drift+1.5Slide_Sn

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

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   10   1.25Dead+1.5Snow+0.4Wind_Suction1+1.5Snow_Drift+1.5Slide_Sno
   11   0.9Dead+1.5Snow+1.5Snow_Drift+1.5Slide_Snow
   12   0.9Dead+1.5Snow+0.4Wind_Pressure1+1.5Snow_Drift+1.5Slide_Sno
   13   0.9Dead+1.5Snow+0.4Wind_Suction1+1.5Snow_Drift+1.5Slide_Snow
   14   1.25Dead+1.4Wind_Pressure1
   15   1.25Dead+1.4Wind_Suction1
   16   1.25Dead+Live/2+1.4Wind_Pressure1
   17   1.25Dead+Live/2+1.4Wind_Suction1
   18   1.25Dead+Snow/2+1.4Wind_Pressure1+Snow_Drift/2+Slide_Snow/2
   19   1.25Dead+Snow/2+1.4Wind_Suction1+Snow_Drift/2+Slide_Snow/2
   20   0.9Dead+1.4Wind_Pressure1
   21   0.9Dead+1.4Wind_Suction1
   22   0.9Dead+Live/2+1.4Wind_Pressure1
   23   0.9Dead+Live/2+1.4Wind_Suction1
   24   0.9Dead+Snow/2+1.4Wind_Pressure1+Snow_Drift/2+Slide_Snow/2
   25   0.9Dead+Snow/2+1.4Wind_Suction1+Snow_Drift/2+Slide_Snow/2
   26   1.25Dead+1.5UNB_SL_L
   27   1.25Dead+1.5UNB_SL_R
   28   Live
   29   Dead
   30   Dead+Live
   31   Dead+Live+0.4Wind_Pressure1
   32   Dead+Live+0.4Wind_Suction1
   33   Dead+Snow+Snow_Drift+Slide_Snow
   34   Dead+Snow+0.4Wind_Pressure1+Snow_Drift+Slide_Snow
   35   Dead+Snow+0.4Wind_Suction1+Snow_Drift+Slide_Snow
   36   Dead+Wind_Pressure1
   37   Dead+Wind_Suction1
   38   Dead+Live/2+Wind_Pressure1
   39   Dead+Live/2+Wind_Suction1
   40   Dead+Snow/2+Wind_Pressure1+Snow_Drift/2+Slide_Snow/2
   41   Dead+Snow/2+Wind_Suction1+Snow_Drift/2+Slide_Snow/2
   42   Wind_Pressure1
   43   Wind_Suction1
   44   UNB_SL_L
   45   UNB_SR
================================================================================
 011467_RF           Roof Diagonal Bracing                    3/26/24  3:24pm
================================================================================

 PANEL SHEAR:
 ------------
             Wind  Seismic
  Length     Calc     Calc   Limit
  ------  ------  -------  ------
   80.00    21.7     45.7     0.0

 DIAGONAL BRACING:
 -----------------
                          Factored_Load            Brace_Tension(k )
 Bay     Brace_Locate  ------Diag_Brace-----  ----Wind----  ---Seismic--   Max
  Id    Start     End  Type   Size  Part       Calc  Limit   Calc  Limit    UC  KL/R
 ---  ------- -------  ---- ------  --------  -----  -----  -----  -----  ----  ----
   2     0.00   13.00    R   0.500  0.50_ROD   2.07   6.78   4.36   6.78  0.64
```

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

13.00	26.00	R	0.500	0.50_ROD	0.09	6.78	0.16	6.78	0.02
26.00	40.00	R	0.500	0.50_ROD	2.06	6.78	4.30	6.78	0.63

011467_RF Sidewall Diagonal Bracing 3/26/24 3:24pm

PANEL SHEAR:

Wall Id	Base Length	Wind Calc	Seismic Calc	Limit
2	56.7	52.9	131.0	100.0
4	80.0	34.9	91.9	100.0

DIAGONAL BRACING:

Wall Id	Bay Id	Brace_Locate Bot	Brace_Locate Top	Factored_Load Diag_Brace Type	Diag_Brace Size	Diag_Brace Part	Brace_Tension(k) Wind Calc	Wind Limit	Seismic Calc	Seismic Limit	Max UC	KL/R
2	2	0.0	20.3	R	0.625	0.63_ROD	4.08	10.65	7.78	10.65	0.73	
4	3	0.0	17.0	R	0.625	0.63_ROD	3.50	10.65	7.09	10.65	0.67	

BOTTOM DIAGONAL BRACE REACTIONS:

Wall Id	Bay Id	Col Id	Factored_Load Wind_Max(k) Horz	Wind_Max(k) Vert(+/-)	Seismic_Max(k) Horz	Seismic_Max(k) Vert(+/-)
2	2	2	-3.00	2.77	-5.71	5.28
2	2	3	3.00	2.77	5.71	5.28
4	3	3	-2.79	2.11	-5.65	4.29
4	3	4	2.79	2.11	5.65	4.29

LOAD COMBINATIONS:

7(Wind) - 0.9Dead+1.4Wind_Long1
9(Seismic) - Dead+Collateral+Seismic_Long

011467_RF Bracing Deflection 3/26/24 3:24pm

ROOF ATTACHMENT DEFLECTION:

Wall Id	Attach Locate	Deflection(in) Wind	Deflection(in) Seismic	Span/Deflect Wind Calc	Span/Deflect Wind Limit	Span/Deflect Seismic Calc	Span/Deflect Seismic Limit

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

1	0.0	0.05	0.19	4033	60	1065	40
1	13.0	0.10	0.38	2162	60	571	40
1	26.0	0.10	0.39	2245	60	595	40
1	40.0	0.06	0.21	4138	60	1163	40

WALL DEFLECTION AT EAVE:

Wall Id	Wall Height	Deflection(in) Wind	Seismic	Span/Deflect ----Wind--- Calc	Limit	--Seismic-- Calc	Limit
2	20.3	0.06	0.21	4138	60	1163	40
4	17.0	0.05	0.19	4033	60	1065	40

011467_RF Purlin Strut, Longitudinal Load 3/26/24 3:24pm

Surf Id	Brace Locate	Purl Id	Bay Id	Purlin Part	Load Id	-Axial(k)- Calc	Limit	Moment(f-k) Calc	Limit	-Axl+Mom- Loc	UC	Max UC	Max Unbrace KL/R	Minor
2	13.0	3	1	10x25Z14	1	0.60	24.10	-3.49	11.40	MidS	0.33	0.33	62	0.1
					2	0.13	24.10	-3.49	11.40	MidS	0.31	0.31	62	0.1
					3	0.60	24.10	-8.30	11.40	MidS	0.75	0.75	62	0.1
					4	0.13	24.10	-8.30	11.40	MidS	0.73	0.73	62	0.1
					5	0.60	24.10	-8.30	11.40	MidS	0.75	0.75	62	0.1
					6	0.13	24.10	-8.30	11.40	MidS	0.73	0.73	62	0.1
					7	2.10	24.10	3.08	8.85	MidS	0.42	0.42	62	0.1
					8	0.45	24.10	3.08	8.85	MidS	0.36	0.36	62	0.1
					9	0.90	24.10	-0.61	11.40	MidS	0.09	0.09	62	0.1
					10	0.90	24.10	-1.83	11.40	MidS	0.19	0.19	62	0.1
					11	0.90	24.10	-2.02	11.40	MidS	0.21	0.21	62	0.1
					12	0.90	24.10	-2.02	11.40	MidS	0.21	0.21	62	0.1
2	13.0	3	2	10x25Z14	1	0.62	23.89	2.75	9.90	LLap	0.30	0.30	63	0.1
					2	0.62	23.89	2.75	9.90	LLap	0.30	0.30	63	

| | | |

| | | |

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

0.1

12 0.94 24.10 -2.02 11.40 MidS 0.21 0.21 62

0.1

011467_RF Eave Strut, Longitudinal Load(Wall 2) 3/26/24 3:24pm

Wall Id	Bay Id	Eave Part	Load Id	Axial(k) Calc	Axial(k) Limit	Axial(k) UC	Moment(f-k) Calc	Moment(f-k) Limit	Moment(f-k) UC	Axl+Mom UC	Max KL/r	Unbrace_Len Major	Unbrace_Len Minor
2	1	10x28E15	1	0.42	19.27	0.02	-0.71	10.23	0.07	0.09	60	19.5	0.1
			2	0.05	19.27	0.00	-0.71	10.23	0.07	0.07	60	19.5	0.1
			3	0.42	19.27	0.02	-1.68	10.23	0.16	0.19	60	19.5	0.1
			4	0.05	19.27	0.00	-1.68	10.23	0.16	0.17	60	19.5	0.1
			5	0.42	19.27	0.02	-1.68	10.23	0.16	0.19	60	19.5	0.1
			6	0.05	19.27	0.00	-1.68	10.23	0.16	0.17	60	19.5	0.1
			7	1.48	19.27	0.08	0.62	8.60	0.07	0.15	60	19.5	0.1
			8	0.17	19.27	0.01	0.62	8.60	0.07	0.08	60	19.5	0.1
			9	0.56	19.27	0.03	-0.12	10.23	0.01	0.04	60	19.5	0.1
			10	0.56	19.27	0.03	-0.37	10.23	0.04	0.07	60	19.5	0.1
			11	0.56	19.27	0.03	-0.41	10.23	0.04	0.07	60	19.5	0.1
			12	0.56	19.27	0.03	-0.41	10.23	0.04	0.07	60	19.5	0.1
2	2	10x28E15	1	0.90	19.22	0.05	-0.72	10.23	0.07	0.12	61	19.7	0.1
			2	0.90	19.22	0.05	-0.72	10.23	0.07	0.12	61	19.7	0.1
			3	0.90	19.22	0.05	-1.71	10.23	0.17	0.21	61	19.7	0.1
			4	0.90	19.22	0.05	-1.71	10.23	0.17	0.21	61	19.7	0.1
			5	0.90	19.22	0.05	-1.71	10.23	0.17	0.21	61	19.7	0.1
			6	0.90	19.22	0.05	-1.71	10.23	0.17	0.21	61	19.7	0.1
			7	3.16	19.22	0.16	0.63	8.61	0.07	0.24	61	19.7	0.1
			8	3.16	19.22	0.16	0.63	8.61	0.07	0.24	61	19.7	0.1
			9	5.15	19.22	0.27	-0.13	10.23	0.01	0.28	61	19.7	

		Job No	011467_RF				**Date**	3/26/2024				
		Customer	Norsteel Buildings				**Designed By**	MQZ				
		Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0									
0.1		10	5.15	19.22	0.27	-0.38	10.23	0.04	0.31	61	19.7	
0.1		11	5.15	19.22	0.27	-0.42	10.23	0.04	0.31	61	19.7	
0.1		12	5.15	19.22	0.27	-0.42	10.23	0.04	0.31	61	19.7	
0.1												
2	3 10x28E15	1	0.05	19.22	0.00	-0.72	10.23	0.07	0.07	61	19.7	
0.0		2	0.42	19.22	0.02	-0.72	10.23	0.07	0.09	61	19.7	
0.0		3	0.05	19.22	0.00	-1.71	10.23	0.17	0.17	61	19.7	
0.0		4	0.42	19.22	0.02	-1.71	10.23	0.17	0.19	61	19.7	
0.0		5	0.05	19.22	0.00	-1.71	10.23	0.17	0.17	61	19.7	
0.0		6	0.42	19.22	0.02	-1.71	10.23	0.17	0.19	61	19.7	
0.0		7	0.17	19.22	0.01	0.63	8.60	0.07	0.08	61	19.7	
0.0		8	1.48	19.22	0.08	0.63	8.60	0.07	0.15	61	19.7	
0.0		9	1.10	19.22	0.06	-0.13	10.23	0.01	0.07	61	19.7	
0.0		10	1.10	19.22	0.06	-0.38	10.23	0.04	0.09	61	19.7	
0.0		11	1.10	19.22	0.06	-0.42	10.23	0.04	0.10	61	19.7	
0.0		12	1.10	19.22	0.06	-0.42	10.23	0.04	0.10	61	19.7	
0.0												
2	4 10x28E15	1	0.05	19.27	0.00	-0.71	10.23	0.07	0.07	60	19.5	
0.1		2	0.42	19.27	0.02	-0.71	10.23	0.07	0.09	60	19.5	
0.1		3	0.05	19.27	0.00	-1.68	10.23	0.16	0.17	60	19.5	
0.1		4	0.42	19.27	0.02	-1.68	10.23	0.16	0.19	60	19.5	
0.1		5	0.05	19.27	0.00	-1.68	10.23	0.16	0.17	60	19.5	
0.1		6	0.42	19.27	0.02	-1.68	10.23	0.16	0.19	60	19.5	
0.1		7	0.17	19.27	0.01	0.62	8.60	0.07	0.08	60	19.5	
0.1		8	1.48	19.27	0.08	0.62	8.60	0.07	0.15	60	19.5	
0.1		9	0.56	19.27	0.03	-0.12	10.23	0.01	0.04	60	19.5	
0.1		10	0.56	19.27	0.03	-0.37	10.23	0.04	0.07	60	19.5	
0.1		11	0.56	19.27	0.03	-0.41	10.23	0.04	0.07	60	19.5	
0.1		12	0.56	19.27	0.03	-0.41	10.23	0.04	0.07	60	19.5	

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

0.1

011467_RF Eave(Wall 2) 3/26/24 3:24pm

EAVE STRUT
Wall Id = 2

LAYOUT:

Bay Id	Part	Design Length (ft)	--Lap(ft)-- Left	Right	Load Width	No. Strap	No. Row	Unit Weight	Total Weight	Available Reduction Factor Out	In
LExt	10x28E15	0.33			0.50	0	1	1.2	1.2	0.00	0.40
1	10x28E15	19.50			0.50	1	1	73.1	73.1	0.00	0.40
2	10x28E15	19.67			0.50	1	1	73.8	73.8	0.00	0.40
3	10x28E15	19.67			0.50	1	1	73.7	73.7	0.00	0.40
4	10x28E15	19.50			0.50	1	1	73.1	73.1	0.00	0.40
RExt	10x28E15	0.33			0.50	0	1	1.2	1.2	0.00	0.40
									296.3		

Total(lb)= 296.3

Purlin DL= 7.50 (psf)

LOAD ID 1 - 1.25Dead+1.25Collateral+1.5Live Factored_Load:

REACTIONS:

Bay Id	Shear(k) Left Sup	Left Lap	Right Lap	Right Sup	Moment(f-k) Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00		-0.01	0.00		0.00	0.17			0.00
1	0.18		-0.18	0.00		-0.90	9.75			0.00
2	0.19		-0.19	0.00		-0.91	9.83			0.00
3	0.19		-0.19	0.00		-0.91	9.83			0.00
4	0.18		-0.18	0.00		-0.90	9.75			0.00
RExt	0.01		0.00	0.00		0.00	0.17			0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Calc	Limit	UC	Moment(f-k) Loc	Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
LExt	RSup	-0.01	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00	0.01	
1	LSup	0.18	3.56	0.05	MidS	-0.90	10.23	0.09	LSup	0.00	-0.13	
2	RSup	-0.19	3.56	0.05	MidS	-0.91	10.23	0.09	LSup	0.00	-0.14	
3	LSup	0.19	3.56	0.05	MidS	-0.91	10.23	0.09	LSup	0.00	-0.14	
4	RSup	-0.18	3.56	0.05	MidS	-0.90	10.23	0.09	LSup	0.00	-0.13	
RExt	LSup	0.01	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00	0.01	

LOAD ID 2 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Pressure1 Factored_L:

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

REACTIONS:

Bay Id	Shear(k) Left Sup	Shear(k) Left Lap	Shear(k) Right Lap	Shear(k) Right Sup	Moment(f-k) Left Sup	Moment(f-k) Left Lap	Moment(f-k) MidSpan Mom	Moment(f-k) MidSpan Loc	Moment(f-k) Right Lap	Moment(f-k) Right Sup
LExt	0.00		-0.01	0.00		0.00	0.17			0.00
1	0.20		-0.20	0.00		-0.99	9.75			0.00
2	0.20		-0.20	0.00		-1.00	9.83			0.00
3	0.20		-0.20	0.00		-1.00	9.83			0.00
4	0.20		-0.20	0.00		-0.99	9.75			0.00
RExt	0.01		0.00	0.00		0.00	0.17			0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Shear(k) Calc	Shear(k) Limit	Shear(k) UC	Moment(f-k) Loc	Moment(f-k) Calc	Moment(f-k) Limit	Moment(f-k) UC	-Mom+Shr- Loc	-Mom+Shr- UC	Deflect(in) Calc	Deflect(in) Limit
LExt	RSup	-0.01	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00	0.01	
1	LSup	0.20	3.56	0.06	MidS	-0.99	10.23	0.10	LSup	0.00	-0.14	
2	LSup	0.20	3.56	0.06	MidS	-1.00	10.23	0.10	LSup	0.00	-0.15	
3	RSup	-0.20	3.56	0.06	MidS	-1.00	10.23	0.10	LSup	0.00	-0.15	
4	RSup	-0.20	3.56	0.06	MidS	-0.99	10.23	0.10	LSup	0.00	-0.14	
RExt	LSup	0.01	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00	0.01	

LOAD ID 3 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Suction1 Factored_Lo:

REACTIONS:

Bay Id	Shear(k) Left Sup	Shear(k) Left Lap	Shear(k) Right Lap	Shear(k) Right Sup	Moment(f-k) Left Sup	Moment(f-k) Left Lap	Moment(f-k) MidSpan Mom	Moment(f-k) MidSpan Loc	Moment(f-k) Right Lap	Moment(f-k) Right Sup
LExt	0.00		0.00	0.00		0.00	0.17			0.00
1	0.13		-0.13	0.00		-0.63	9.72			0.00
2	0.13		-0.13	0.00		-0.66	9.83			0.00
3	0.13		-0.13	0.00		-0.66	9.83			0.00
4	0.13		-0.13	0.00		-0.63	9.78			0.00
RExt	0.00		0.00	0.00		0.00	0.17			0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Shear(k) Calc	Shear(k) Limit	Shear(k) UC	Moment(f-k) Loc	Moment(f-k) Calc	Moment(f-k) Limit	Moment(f-k) UC	-Mom+Shr- Loc	-Mom+Shr- UC	Deflect(in) Calc	Deflect(in) Limit
LExt	RSup	0.00	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00	0.01	
1	RSup	-0.13	3.56	0.04	MidS	-0.63	10.23	0.06	LSup	0.00	-0.09	
2	RSup	-0.13	3.56	0.04	MidS	-0.66	10.23	0.06	LSup	0.00	-0.10	
3	RSup	-0.13	3.56	0.04	MidS	-0.66	10.23	0.06	LSup	0.00	-0.10	
4	LSup	0.13	3.56	0.04	MidS	-0.63	10.23	0.06	LSup	0.00	-0.09	
RExt	LSup	0.00	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00	0.01	

LOAD ID 4 - 1.4Dead+1.4Collateral Factored_Load:

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

REACTIONS:

Bay Id	Shear(k) Left Sup	Shear(k) Left Lap	Shear(k) Right Lap	Shear(k) Right Sup	Moment(f-k) Left Sup	Moment(f-k) Left Lap	Moment(f-k) MidSpan Mom	Moment(f-k) MidSpan Loc	Moment(f-k) Right Lap	Moment(f-k) Right Sup
LExt	0.00		0.00	0.00		0.00	0.17			0.00
1	0.04		-0.04	0.00		-0.17	9.75			0.00
2	0.04		-0.04	0.00		-0.18	9.83			0.00
3	0.04		-0.04	0.00		-0.18	9.83			0.00
4	0.04		-0.04	0.00		-0.17	9.75			0.00
RExt	0.00		0.00	0.00		0.00	0.17			0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Shear(k) Calc	Shear(k) Limit	Shear(k) UC	Moment(f-k) Loc	Moment(f-k) Calc	Moment(f-k) Limit	Moment(f-k) UC	-Mom+Shr- Loc	-Mom+Shr- UC	Deflect(in) Calc	Deflect(in) Limit
LExt	RSup	0.00	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00	0.00	
1	LSup	0.04	3.56	0.01	MidS	-0.17	10.23	0.02	LSup	0.00	-0.03	
2	LSup	0.04	3.56	0.01	MidS	-0.18	10.23	0.02	LSup	0.00	-0.03	
3	LSup	0.04	3.56	0.01	MidS	-0.18	10.23	0.02	LSup	0.00	-0.03	
4	RSup	-0.04	3.56	0.01	MidS	-0.17	10.23	0.02	LSup	0.00	-0.03	
RExt	LSup	0.00	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00	0.00	

LOAD ID 5 - 0.9Dead+1.5Live Factored_Load:

REACTIONS:

Bay Id	Shear(k) Left Sup	Shear(k) Left Lap	Shear(k) Right Lap	Shear(k) Right Sup	Moment(f-k) Left Sup	Moment(f-k) Left Lap	Moment(f-k) MidSpan Mom	Moment(f-k) MidSpan Loc	Moment(f-k) Right Lap	Moment(f-k) Right Sup
LExt	0.00		-0.01	0.00		0.00	0.17			0.00
1	0.16		-0.16	0.00		-0.79	9.75			0.00
2	0.16		-0.16	0.00		-0.80	9.83			0.00
3	0.16		-0.16	0.00		-0.80	9.83			0.00
4	0.16		-0.16	0.00		-0.79	9.75			0.00
RExt	0.01		0.00	0.00		0.00	0.17			0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Shear(k) Calc	Shear(k) Limit	Shear(k) UC	Moment(f-k) Loc	Moment(f-k) Calc	Moment(f-k) Limit	Moment(f-k) UC	-Mom+Shr- Loc	-Mom+Shr- UC	Deflect(in) Calc	Deflect(in) Limit
LExt	RSup	-0.01	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00	0.01	
1	LSup	0.16	3.56	0.05	MidS	-0.79	10.23	0.08	LSup	0.00	-0.11	
2	RSup	-0.16	3.56	0.05	MidS	-0.80	10.23	0.08	LSup	0.00	-0.12	
3	LSup	0.16	3.56	0.05	MidS	-0.80	10.23	0.08	LSup	0.00	-0.12	
4	RSup	-0.16	3.56	0.05	MidS	-0.79	10.23	0.08	LSup	0.00	-0.11	
RExt	LSup	0.01	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00	0.01	

LOAD ID 6 - 0.9Dead+1.5Live+0.4Wind_Pressure1 Factored_Load:

REACTIONS:

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Bay Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00			-0.01	0.00		0.00	0.17		0.00
1	0.18			-0.18	0.00		-0.88	9.75		0.00
2	0.18			-0.18	0.00		-0.89	9.83		0.00
3	0.18			-0.18	0.00		-0.89	9.83		0.00
4	0.18			-0.18	0.00		-0.88	9.75		0.00
RExt	0.01			0.00	0.00		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay	Shear(k) Loc	Calc	Limit	UC	Moment(f-k) Loc	Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
LExt	RSup	-0.01	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00	0.01	
1	LSup	0.18	3.56	0.05	MidS	-0.88	10.23	0.09	LSup	0.00	-0.13	
2	LSup	0.18	3.56	0.05	MidS	-0.89	10.23	0.09	LSup	0.00	-0.13	
3	LSup	0.18	3.56	0.05	MidS	-0.89	10.23	0.09	LSup	0.00	-0.13	
4	RSup	-0.18	3.56	0.05	MidS	-0.88	10.23	0.09	LSup	0.00	-0.13	
RExt	LSup	0.01	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00	0.01	

LOAD ID 7 - 0.9Dead+1.5Live+0.4Wind_Suction1 Factored_Load:

REACTIONS:

Bay Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00			0.00	0.00		0.00	0.17		0.00
1	0.11			-0.11	0.00		-0.53	9.71		0.00
2	0.11			-0.11	0.00		-0.55	9.83		0.00
3	0.11			-0.11	0.00		-0.55	9.83		0.00
4	0.11			-0.11	0.00		-0.53	9.79		0.00
RExt	0.00			0.00	0.00		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay	Shear(k) Loc	Calc	Limit	UC	Moment(f-k) Loc	Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
LExt	RSup	0.00	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00	0.00	
1	RSup	-0.11	3.56	0.03	MidS	-0.53	10.23	0.05	LSup	0.00	-0.08	
2	LSup	0.11	3.56	0.03	MidS	-0.55	10.23	0.05	LSup	0.00	-0.08	
3	RSup	-0.11	3.56	0.03	MidS	-0.55	10.23	0.05	LSup	0.00	-0.08	
4	LSup	0.11	3.56	0.03	MidS	-0.53	10.23	0.05	LSup	0.00	-0.08	
RExt	LSup	0.00	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00	0.00	

LOAD ID 8 - 1.25Dead+1.25Collateral+1.5Snow+1.5Snow_Drift+1.5Slide_Snow:

REACTIONS:

Bay Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

LExt	0.00			-0.01	0.00		0.00	0.17		0.00
1	0.38			-0.38	0.00		-1.87	9.75		0.00
2	0.39			-0.39	0.00		-1.90	9.83		0.00
3	0.39			-0.39	0.00		-1.90	9.83		0.00
4	0.38			-0.38	0.00		-1.87	9.75		0.00
RExt	0.01			0.00	0.00		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay	Shear(k)				Moment(f-k)				-Mom+Shr-		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
LExt	RSup	-0.01	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00	0.01	
1	LSup	0.38	3.56	0.11	MidS	-1.87	10.23	0.18	LSup	0.00	-0.27	
2	LSup	0.39	3.56	0.11	MidS	-1.90	10.23	0.19	LSup	0.00	-0.28	
3	LSup	0.39	3.56	0.11	MidS	-1.90	10.23	0.19	LSup	0.00	-0.28	
4	RSup	-0.38	3.56	0.11	MidS	-1.87	10.23	0.18	LSup	0.00	-0.27	
RExt	LSup	0.01	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00	0.01	

LOAD ID 9 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Pressure1+1.5Snow_Dr:

REACTIONS:

Bay	Shear(k)				Moment(f-k)					
	Left	Left	Right	Right	Left	Left	MidSpan		Right	Right
Id	Sup	Lap	Lap	Sup	Sup	Lap	Mom	Loc	Lap	Sup
LExt	0.00			-0.01	0.00		0.00	0.17		0.00
1	0.40			-0.40	0.00		-1.96	9.75		0.00
2	0.41			-0.41	0.00		-1.99	9.83		0.00
3	0.41			-0.41	0.00		-1.99	9.83		0.00
4	0.40			-0.40	0.00		-1.96	9.75		0.00
RExt	0.01			0.00	0.00		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay	Shear(k)				Moment(f-k)				-Mom+Shr-		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
LExt	RSup	-0.01	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00	0.02	
1	LSup	0.40	3.56	0.11	MidS	-1.96	10.23	0.19	LSup	0.00	-0.28	
2	RSup	-0.41	3.56	0.11	MidS	-1.99	10.23	0.19	LSup	0.00	-0.29	
3	RSup	-0.41	3.56	0.11	MidS	-1.99	10.23	0.19	LSup	0.00	-0.29	
4	RSup	-0.40	3.56	0.11	MidS	-1.96	10.23	0.19	LSup	0.00	-0.28	
RExt	LSup	0.01	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00	0.02	

LOAD ID 10 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Suction1+1.5Snow_Dri:

REACTIONS:

Bay	Shear(k)				Moment(f-k)					
	Left	Left	Right	Right	Left	Left	MidSpan		Right	Right
Id	Sup	Lap	Lap	Sup	Sup	Lap	Mom	Loc	Lap	Sup
LExt	0.00			-0.01	0.00		0.00	0.17		0.00

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

1	0.33	-0.33	0.00	-1.61	9.74	0.00
2	0.34	-0.34	0.00	-1.65	9.83	0.00
3	0.34	-0.34	0.00	-1.65	9.83	0.00
4	0.33	-0.33	0.00	-1.61	9.76	0.00
RExt	0.01	0.00	0.00	0.00	0.17	0.00

STRENGTH/DEFLECTION:

Bay		Shear(k)				Moment(f-k)				-Mom+Shr-		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC		Calc	Limit
LExt	RSup	-0.01	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00		0.01	
1	RSup	-0.33	3.56	0.09	MidS	-1.61	10.23	0.16	LSup	0.00		-0.23	
2	RSup	-0.34	3.56	0.09	MidS	-1.65	10.23	0.16	LSup	0.00		-0.24	
3	RSup	-0.34	3.56	0.09	MidS	-1.65	10.23	0.16	LSup	0.00		-0.24	
4	LSup	0.33	3.56	0.09	MidS	-1.61	10.23	0.16	LSup	0.00		-0.23	
RExt	LSup	0.01	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00		0.01	

LOAD ID 11 - 0.9Dead+1.5Snow+1.5Snow_Drift+1.5Slide_Snow Factored_Load:

REACTIONS:

Bay	Shear(k)				Moment(f-k)					
	Left	Left	Right	Right	Left	Left	MidSpan		Right	Right
Id	Sup	Lap	Lap	Sup	Sup	Lap	Mom	Loc	Lap	Sup
LExt	0.00		-0.01	0.00	0.00		0.17			0.00
1	0.36		-0.36	0.00	-1.76		9.75			0.00
2	0.36		-0.36	0.00	-1.79		9.83			0.00
3	0.36		-0.36	0.00	-1.79		9.83			0.00
4	0.36		-0.36	0.00	-1.76		9.75			0.00
RExt	0.01		0.00	0.00	0.00		0.17			0.00

STRENGTH/DEFLECTION:

Bay		Shear(k)				Moment(f-k)				-Mom+Shr-		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC		Calc	Limit
LExt	RSup	-0.01	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00		0.01	
1	LSup	0.36	3.56	0.10	MidS	-1.76	10.23	0.17	LSup	0.00		-0.26	
2	LSup	0.36	3.56	0.10	MidS	-1.79	10.23	0.18	LSup	0.00		-0.27	
3	LSup	0.36	3.56	0.10	MidS	-1.79	10.23	0.18	LSup	0.00		-0.27	
4	RSup	-0.36	3.56	0.10	MidS	-1.76	10.23	0.17	LSup	0.00		-0.26	
RExt	LSup	0.01	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00		0.01	

LOAD ID 12 - 0.9Dead+1.5Snow+0.4Wind_Pressure1+1.5Snow_Drift+1.5Slide_Sno:

REACTIONS:

Bay	Shear(k)				Moment(f-k)					
	Left	Left	Right	Right	Left	Left	MidSpan		Right	Right
Id	Sup	Lap	Lap	Sup	Sup	Lap	Mom	Loc	Lap	Sup
LExt	0.00		-0.01	0.00	0.00		0.17			0.00
1	0.38		-0.38	0.00	-1.85		9.75			0.00
2	0.38		-0.38	0.00	-1.88		9.83			0.00

	Job No	011467_RF	**Date**	3/26/2024
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3	0.38	-0.38	0.00	-1.88	9.83	0.00	
4	0.38	-0.38	0.00	-1.85	9.75	0.00	
REXt	0.01	0.00	0.00	0.00	0.17	0.00	

STRENGTH/DEFLECTION:

Bay	Shear(k) Loc	Calc	Limit	UC	Moment(f-k) Loc	Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
LExt	RSup	-0.01	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00	0.01	
1	LSup	0.38	3.56	0.11	MidS	-1.85	10.23	0.18	LSup	0.00	-0.27	
2	LSup	0.38	3.56	0.11	MidS	-1.88	10.23	0.18	LSup	0.00	-0.28	
3	LSup	0.38	3.56	0.11	MidS	-1.88	10.23	0.18	LSup	0.00	-0.28	
4	RSup	-0.38	3.56	0.11	MidS	-1.85	10.23	0.18	LSup	0.00	-0.27	
REXt	LSup	0.01	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00	0.01	

LOAD ID 13 - 0.9Dead+1.5Snow+0.4Wind_Suction1+1.5Snow_Drift+1.5Slide_Snow:

REACTIONS:

Bay	Shear(k) Left Sup	Left Lap	Right Lap	Right Sup	Moment(f-k) Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00		-0.01	0.00			0.00	0.17		0.00
1	0.31		-0.31	0.00			-1.50	9.74		0.00
2	0.31		-0.31	0.00			-1.54	9.83		0.00
3	0.31		-0.31	0.00			-1.54	9.83		0.00
4	0.31		-0.31	0.00			-1.50	9.76		0.00
REXt	0.01		0.00	0.00			0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay	Shear(k) Loc	Calc	Limit	UC	Moment(f-k) Loc	Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
LExt	RSup	-0.01	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00	0.01	
1	RSup	-0.31	3.56	0.09	MidS	-1.50	10.23	0.15	LSup	0.00	-0.22	
2	LSup	0.31	3.56	0.09	MidS	-1.54	10.23	0.15	LSup	0.00	-0.23	
3	LSup	0.31	3.56	0.09	MidS	-1.54	10.23	0.15	LSup	0.00	-0.23	
4	LSup	0.31	3.56	0.09	MidS	-1.50	10.23	0.15	LSup	0.00	-0.22	
REXt	LSup	0.01	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00	0.01	

LOAD ID 14 - 1.25Dead+1.25Collateral+1.4Wind_Pressure1 Factored_Load:

REACTIONS:

Bay	Shear(k) Left Sup	Left Lap	Right Lap	Right Sup	Moment(f-k) Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00		0.00	0.00			0.00	0.17		0.00
1	0.10		-0.09	0.00			-0.46	9.75		0.00
2	0.10		-0.10	0.00			-0.47	9.83		0.00
3	0.10		-0.10	0.00			-0.47	9.83		0.00
4	0.09		-0.10	0.00			-0.46	9.75		0.00

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RExt	0.00	0.00	0.00	0.00	0.17	0.00

STRENGTH/DEFLECTION:

Bay	Shear(k)				Moment(f-k)				Mom+Shr		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
LExt	RSup	0.00	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00	0.00	
1	LSup	0.10	3.56	0.03	MidS	-0.46	10.23	0.05	LSup	0.00	-0.07	
2	LSup	0.10	3.56	0.03	MidS	-0.47	10.23	0.05	LSup	0.00	-0.07	
3	LSup	0.10	3.56	0.03	MidS	-0.47	10.23	0.05	LSup	0.00	-0.07	
4	RSup	-0.10	3.56	0.03	MidS	-0.46	10.23	0.05	LSup	0.00	-0.07	
RExt	LSup	0.00	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00	0.00	

LOAD ID 15 - 1.25Dead+1.25Collateral+1.4Wind_Suction1 Factored_Load:

REACTIONS:

Bay	Shear(k)				Moment(f-k)					
Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00		0.01	0.00	0.00		0.17			0.00
1	-0.16		0.15	0.00	0.77		9.85			0.00
2	-0.15		0.15	0.00	0.74		9.83			0.00
3	-0.15		0.15	0.00	0.74		9.83			0.00
4	-0.15		0.16	0.00	0.77		9.65			0.00
RExt	-0.01		0.00	0.00	0.00		0.17			0.00

STRENGTH/DEFLECTION:

Bay	Shear(k)				Moment(f-k)				Mom+Shr		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
LExt	RSup	0.01	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00	-0.01	
1	LSup	-0.16	3.56	0.04	MidS	0.77	8.60	0.09	LSup	0.00	0.11	
2	LSup	-0.15	3.56	0.04	MidS	0.74	8.61	0.09	LSup	0.00	0.11	
3	RSup	0.15	3.56	0.04	MidS	0.74	8.60	0.09	LSup	0.00	0.11	
4	RSup	0.16	3.56	0.04	MidS	0.77	8.60	0.09	LSup	0.00	0.11	
RExt	LSup	-0.01	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00	-0.01	

LOAD ID 16 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Pressure1 Factored_Lo:

REACTIONS:

Bay	Shear(k)				Moment(f-k)					
Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00		0.00	0.00	0.00		0.17			0.00
1	0.15		-0.15	0.00	-0.71		9.75			0.00
2	0.15		-0.15	0.00	-0.72		9.83			0.00
3	0.15		-0.15	0.00	-0.72		9.83			0.00
4	0.15		-0.15	0.00	-0.71		9.75			0.00
RExt	0.00		0.00	0.00	0.00		0.17			0.00

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	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

STRENGTH/DEFLECTION:

Bay Id	Loc	Shear(k) Calc	Shear(k) Limit	Shear(k) UC	Loc	Moment(f-k) Calc	Moment(f-k) Limit	Moment(f-k) UC	-Mom+Shr- Loc	-Mom+Shr- UC	Deflect(in) Calc	Deflect(in) Limit
LExt	RSup	0.00	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00	0.01	
1	LSup	0.15	3.56	0.04	MidS	-0.71	10.23	0.07	LSup	0.00	-0.10	
2	LSup	0.15	3.56	0.04	MidS	-0.72	10.23	0.07	LSup	0.00	-0.11	
3	LSup	0.15	3.56	0.04	MidS	-0.72	10.23	0.07	LSup	0.00	-0.11	
4	RSup	-0.15	3.56	0.04	MidS	-0.71	10.23	0.07	LSup	0.00	-0.10	
RExt	LSup	0.00	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00	0.01	

LOAD ID 17 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Suction1 Factored_Loa:

REACTIONS:

Bay Id	Shear(k) Left Sup	Shear(k) Left Lap	Shear(k) Right Lap	Shear(k) Right Sup	Moment(f-k) Left Sup	Moment(f-k) Left Lap	Moment(f-k) MidSpan Mom	Moment(f-k) MidSpan Loc	Moment(f-k) Right Lap	Moment(f-k) Right Sup
LExt	0.00		0.00	0.00		0.00	0.17			0.00
1	-0.11		0.10	0.00		0.52	9.89			0.00
2	-0.10		0.10	0.00		0.48	9.83			0.00
3	-0.10		0.10	0.00		0.48	9.83			0.00
4	-0.10		0.11	0.00		0.52	9.61			0.00
RExt	0.00		0.00	0.00		0.00	0.17			0.00

STRENGTH/DEFLECTION:

Bay Id	Loc	Shear(k) Calc	Shear(k) Limit	Shear(k) UC	Loc	Moment(f-k) Calc	Moment(f-k) Limit	Moment(f-k) UC	-Mom+Shr- Loc	-Mom+Shr- UC	Deflect(in) Calc	Deflect(in) Limit
LExt	RSup	0.00	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00	0.00	
1	LSup	-0.11	3.56	0.03	MidS	0.52	8.59	0.06	LSup	0.00	0.08	
2	RSup	0.10	3.56	0.03	MidS	0.48	8.61	0.06	LSup	0.00	0.07	
3	RSup	0.10	3.56	0.03	MidS	0.48	8.60	0.06	LSup	0.00	0.07	
4	RSup	0.11	3.56	0.03	MidS	0.52	8.60	0.06	LSup	0.00	0.08	
RExt	LSup	0.00	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00	0.00	

LOAD ID 18 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Pressure1+Snow_Drift/:

REACTIONS:

Bay Id	Shear(k) Left Sup	Shear(k) Left Lap	Shear(k) Right Lap	Shear(k) Right Sup	Moment(f-k) Left Sup	Moment(f-k) Left Lap	Moment(f-k) MidSpan Mom	Moment(f-k) MidSpan Loc	Moment(f-k) Right Lap	Moment(f-k) Right Sup
LExt	0.00		-0.01	0.00		0.00	0.17			0.00
1	0.21		-0.21	0.00		-1.03	9.75			0.00
2	0.21		-0.21	0.00		-1.05	9.83			0.00
3	0.21		-0.21	0.00		-1.05	9.83			0.00
4	0.21		-0.21	0.00		-1.03	9.75			0.00
RExt	0.01		0.00	0.00		0.00	0.17			0.00

STRENGTH/DEFLECTION:

Bay	Shear(k)	Moment(f-k)	-Mom+Shr-	Deflect(in)

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	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
LExt	RSup	-0.01	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00	0.01	
1	LSup	0.21	3.56	0.06	MidS	-1.03	10.23	0.10	LSup	0.00	-0.15	
2	LSup	0.21	3.56	0.06	MidS	-1.05	10.23	0.10	LSup	0.00	-0.16	
3	RSup	-0.21	3.56	0.06	MidS	-1.05	10.23	0.10	LSup	0.00	-0.16	
4	RSup	-0.21	3.56	0.06	MidS	-1.03	10.23	0.10	LSup	0.00	-0.15	
RExt	LSup	0.01	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00	0.01	

LOAD ID 19 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Suction1+Snow_Drift/2:

REACTIONS:

Bay Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00		0.00	0.00		0.00	0.17		0.00	
1	-0.04		0.04	0.00		0.19	10.14		0.00	
2	-0.03		0.03	0.00		0.15	9.83		0.00	
3	-0.03		0.03	0.00		0.15	9.83		0.00	
4	-0.04		0.04	0.00		0.19	9.36		0.00	
RExt	0.00		0.00	0.00		0.00	0.17		0.00	

STRENGTH/DEFLECTION:

Bay Id	Loc	Shear(k) Calc	Shear(k) Limit	Shear(k) UC	Moment(f-k) Loc	Moment(f-k) Calc	Moment(f-k) Limit	Moment(f-k) UC	-Mom+Shr- Loc	-Mom+Shr- UC	Deflect(in) Calc	Deflect(in) Limit
LExt	RSup	0.00	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00	0.00	
1	LSup	-0.04	3.56	0.01	MidS	0.19	8.58	0.02	LSup	0.00	0.03	
2	LSup	-0.03	3.56	0.01	MidS	0.15	8.61	0.02	LSup	0.00	0.02	
3	RSup	0.03	3.56	0.01	MidS	0.15	8.60	0.02	LSup	0.00	0.02	
4	RSup	0.04	3.56	0.01	MidS	0.19	8.60	0.02	LSup	0.00	0.03	
RExt	LSup	0.00	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00	0.00	

LOAD ID 20 - 0.9Dead+1.4Wind_Pressure1 Factored_Load:

REACTIONS:

Bay Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00		0.00	0.00		0.00	0.17		0.00	
1	0.07		-0.07	0.00		-0.36	9.75		0.00	
2	0.07		-0.07	0.00		-0.36	9.83		0.00	
3	0.07		-0.07	0.00		-0.36	9.83		0.00	
4	0.07		-0.07	0.00		-0.36	9.75		0.00	
RExt	0.00		0.00	0.00		0.00	0.17		0.00	

STRENGTH/DEFLECTION:

Bay Id	Loc	Shear(k) Calc	Shear(k) Limit	Shear(k) UC	Moment(f-k) Loc	Moment(f-k) Calc	Moment(f-k) Limit	Moment(f-k) UC	-Mom+Shr- Loc	-Mom+Shr- UC	Deflect(in) Calc	Deflect(in) Limit

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LExt	RSup	0.00	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00	0.00
1	LSup	0.07	3.56	0.02	MidS	-0.36	10.23	0.03	LSup	0.00	-0.05
2	RSup	-0.07	3.56	0.02	MidS	-0.36	10.23	0.04	LSup	0.00	-0.05
3	LSup	0.07	3.56	0.02	MidS	-0.36	10.23	0.04	LSup	0.00	-0.05
4	RSup	-0.07	3.56	0.02	MidS	-0.36	10.23	0.03	LSup	0.00	-0.05
RExt	LSup	0.00	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00	0.00

LOAD ID 21 - 0.9Dead+1.4Wind_Suction1 Factored_Load:

REACTIONS:

Bay Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00		0.01	0.00		0.00	0.17			0.00
1	-0.18		0.18	0.00		0.87	9.84			0.00
2	-0.17		0.17	0.00		0.84	9.83			0.00
3	-0.17		0.17	0.00		0.84	9.83			0.00
4	-0.18		0.18	0.00		0.87	9.66			0.00
RExt	-0.01		0.00	0.00		0.00	0.17			0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Calc	Limit	UC	Moment(f-k) Loc	Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
LExt	RSup	0.01	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00	-0.01	
1	LSup	-0.18	3.56	0.05	MidS	0.87	8.60	0.10	LSup	0.00	0.13	
2	LSup	-0.17	3.56	0.05	MidS	0.84	8.61	0.10	LSup	0.00	0.12	
3	LSup	-0.17	3.56	0.05	MidS	0.84	8.60	0.10	LSup	0.00	0.12	
4	RSup	0.18	3.56	0.05	MidS	0.87	8.60	0.10	LSup	0.00	0.13	
RExt	LSup	-0.01	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00	-0.01	

LOAD ID 22 - 0.9Dead+Live/2+1.4Wind_Pressure1 Factored_Load:

REACTIONS:

Bay Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00		0.00	0.00		0.00	0.17			0.00
1	0.12		-0.12	0.00		-0.60	9.75			0.00
2	0.12		-0.12	0.00		-0.61	9.83			0.00
3	0.12		-0.12	0.00		-0.61	9.83			0.00
4	0.12		-0.12	0.00		-0.60	9.75			0.00
RExt	0.00		0.00	0.00		0.00	0.17			0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Calc	Limit	UC	Moment(f-k) Loc	Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
LExt	RSup	0.00	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00	0.00	
1	LSup	0.12	3.56	0.03	MidS	-0.60	10.23	0.06	LSup	0.00	-0.09	

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2	LSup	0.12	3.56	0.04	MidS	-0.61	10.23	0.06	LSup	0.00	-0.09
3	LSup	0.12	3.56	0.04	MidS	-0.61	10.23	0.06	LSup	0.00	-0.09
4	RSup	-0.12	3.56	0.03	MidS	-0.60	10.23	0.06	LSup	0.00	-0.09
REXT	LSup	0.00	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00	0.00

LOAD ID 23 - 0.9Dead+Live/2+1.4Wind_Suction1 Factored_Load:

REACTIONS:

Bay Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LEXT	0.00		0.00	0.00		0.00	0.17		0.00	
1	-0.13		0.13	0.00		0.62	9.87		0.00	
2	-0.12		0.12	0.00		0.59	9.83		0.00	
3	-0.12		0.12	0.00		0.59	9.83		0.00	
4	-0.13		0.13	0.00		0.62	9.63		0.00	
REXT	0.00		0.00	0.00		0.00	0.17		0.00	

STRENGTH/DEFLECTION:

Bay Id	Loc	Shear(k) Calc	Limit	UC	Loc	Moment(f-k) Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
LEXT	RSup	0.00	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00	0.00	
1	LSup	-0.13	3.56	0.04	MidS	0.62	8.59	0.07	LSup	0.00	0.09	
2	LSup	-0.12	3.56	0.03	MidS	0.59	8.61	0.07	LSup	0.00	0.09	
3	RSup	0.12	3.56	0.03	MidS	0.59	8.60	0.07	LSup	0.00	0.09	
4	RSup	0.13	3.56	0.04	MidS	0.62	8.60	0.07	LSup	0.00	0.09	
REXT	LSup	0.00	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00	0.00	

LOAD ID 24 - 0.9Dead+Snow/2+1.4Wind_Pressure1+Snow_Drift/2+Slide_Snow/2 F:

REACTIONS:

Bay Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LEXT	0.00		-0.01	0.00		0.00	0.17		0.00	
1	0.19		-0.19	0.00		-0.93	9.75		0.00	
2	0.19		-0.19	0.00		-0.94	9.83		0.00	
3	0.19		-0.19	0.00		-0.94	9.83		0.00	
4	0.19		-0.19	0.00		-0.93	9.75		0.00	
REXT	0.01		0.00	0.00		0.00	0.17		0.00	

STRENGTH/DEFLECTION:

Bay Id	Loc	Shear(k) Calc	Limit	UC	Loc	Moment(f-k) Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
LEXT	RSup	-0.01	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00	0.01	
1	LSup	0.19	3.56	0.05	MidS	-0.93	10.23	0.09	LSup	0.00	-0.13	
2	LSup	0.19	3.56	0.05	MidS	-0.94	10.23	0.09	LSup	0.00	-0.14	
3	LSup	0.19	3.56	0.05	MidS	-0.94	10.23	0.09	LSup	0.00	-0.14	

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4	RSup	-0.19	3.56	0.05	MidS	-0.93	10.23	0.09	LSup	0.00	-0.13
REXt	LSup	0.01	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00	0.01

LOAD ID 25 - 0.9Dead+Snow/2+1.4Wind_Suction1+Snow_Drift/2+Slide_Snow/2 Fa:

REACTIONS:

Bay Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00		0.00	0.00		0.00	0.17			0.00
1	-0.06		0.06	0.00		0.30	10.00			0.00
2	-0.05		0.05	0.00		0.26	9.83			0.00
3	-0.05		0.05	0.00		0.26	9.83			0.00
4	-0.06		0.06	0.00		0.30	9.50			0.00
REXt	0.00		0.00	0.00		0.00	0.17			0.00

STRENGTH/DEFLECTION:

Bay Id	Loc	Shear(k) Calc	Limit	UC	Loc	Moment(f-k) Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
LExt	RSup	0.00	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00	0.00	
1	LSup	-0.06	3.56	0.02	MidS	0.30	8.59	0.04	LSup	0.00	0.04	
2	LSup	-0.05	3.56	0.01	MidS	0.26	8.61	0.03	LSup	0.00	0.04	
3	RSup	0.05	3.56	0.01	MidS	0.26	8.60	0.03	LSup	0.00	0.04	
4	RSup	0.06	3.56	0.02	MidS	0.30	8.60	0.03	LSup	0.00	0.04	
REXt	LSup	0.00	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00	0.00	

LOAD ID 26 - 1.25Dead+1.25Collateral+0.75Snow+1.5PAT_SL_1 Factored_Load:

REACTIONS:

Bay Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00		-0.01	0.00		0.00	0.17			0.00
1	0.38		-0.38	0.00		-1.87	9.75			0.00
2	0.21		-0.21	0.00		-1.03	9.83			0.00
3	0.21		-0.21	0.00		-1.03	9.83			0.00
4	0.21		-0.21	0.00		-1.01	9.75			0.00
REXt	0.01		0.00	0.00		0.00	0.17			0.00

STRENGTH/DEFLECTION:

Bay Id	Loc	Shear(k) Calc	Limit	UC	Loc	Moment(f-k) Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
LExt	RSup	-0.01	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00	0.01	
1	LSup	0.38	3.56	0.11	MidS	-1.87	10.23	0.18	LSup	0.00	-0.27	
2	RSup	-0.21	3.56	0.06	MidS	-1.03	10.23	0.10	LSup	0.00	-0.15	
3	LSup	0.21	3.56	0.06	MidS	-1.03	10.23	0.10	LSup	0.00	-0.15	
4	RSup	-0.21	3.56	0.06	MidS	-1.01	10.23	0.10	LSup	0.00	-0.15	
REXt	LSup	0.01	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00	0.01	

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	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

LOAD ID 27 - 1.25Dead+1.25Collateral+0.75Snow+1.5PAT_SL_2 Factored_Load:

REACTIONS:

Bay Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
	Shear(k)				Moment(f-k)					
LExt	0.00		-0.01	0.00			0.00	0.17		0.00
1	0.21		-0.21	0.00			-1.01	9.75		0.00
2	0.39		-0.39	0.00			-1.90	9.83		0.00
3	0.21		-0.21	0.00			-1.03	9.83		0.00
4	0.21		-0.21	0.00			-1.01	9.75		0.00
RExt	0.01		0.00	0.00			0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Calc	Limit	UC	Moment(f-k) Loc	Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
LExt	RSup	-0.01	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00	0.01	
1	LSup	0.21	3.56	0.06	MidS	-1.01	10.23	0.10	LSup	0.00	-0.15	
2	RSup	-0.39	3.56	0.11	MidS	-1.90	10.23	0.19	LSup	0.00	-0.28	
3	LSup	0.21	3.56	0.06	MidS	-1.03	10.23	0.10	LSup	0.00	-0.15	
4	RSup	-0.21	3.56	0.06	MidS	-1.01	10.23	0.10	LSup	0.00	-0.15	
RExt	LSup	0.01	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00	0.01	

LOAD ID 28 - 1.25Dead+1.25Collateral+0.75Snow+1.5PAT_SL_3 Factored_Load:

REACTIONS:

Bay Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
	Shear(k)				Moment(f-k)					
LExt	0.00		-0.01	0.00			0.00	0.17		0.00
1	0.21		-0.21	0.00			-1.01	9.75		0.00
2	0.21		-0.21	0.00			-1.03	9.83		0.00
3	0.39		-0.39	0.00			-1.90	9.83		0.00
4	0.21		-0.21	0.00			-1.01	9.75		0.00
RExt	0.01		0.00	0.00			0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Calc	Limit	UC	Moment(f-k) Loc	Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
LExt	RSup	-0.01	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00	0.01	
1	LSup	0.21	3.56	0.06	MidS	-1.01	10.23	0.10	LSup	0.00	-0.15	
2	RSup	-0.21	3.56	0.06	MidS	-1.03	10.23	0.10	LSup	0.00	-0.15	
3	LSup	0.39	3.56	0.11	MidS	-1.90	10.23	0.19	LSup	0.00	-0.28	
4	RSup	-0.21	3.56	0.06	MidS	-1.01	10.23	0.10	LSup	0.00	-0.15	
RExt	LSup	0.01	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00	0.01	

LOAD ID 29 - 1.25Dead+1.25Collateral+0.75Snow+1.5PAT_SL_4 Factored_Load:

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

REACTIONS:

Bay Id	Shear(k) Left Sup	Shear(k) Left Lap	Shear(k) Right Lap	Shear(k) Right Sup	Moment(f-k) Left Sup	Moment(f-k) Left Lap	Moment(f-k) MidSpan Mom	Moment(f-k) MidSpan Loc	Moment(f-k) Right Lap	Moment(f-k) Right Sup
LExt	0.00		-0.01	0.00		0.00	0.17			0.00
1	0.21		-0.21	0.00		-1.01	9.75			0.00
2	0.21		-0.21	0.00		-1.03	9.83			0.00
3	0.21		-0.21	0.00		-1.03	9.83			0.00
4	0.38		-0.38	0.00		-1.87	9.75			0.00
RExt	0.01		0.00	0.00		0.00	0.17			0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Shear(k) Calc	Shear(k) Limit	Shear(k) UC	Moment(f-k) Loc	Moment(f-k) Calc	Moment(f-k) Limit	Moment(f-k) UC	-Mom+Shr- Loc	-Mom+Shr- UC	Deflect(in) Calc	Deflect(in) Limit
LExt	RSup	-0.01	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00	0.01	
1	LSup	0.21	3.56	0.06	MidS	-1.01	10.23	0.10	LSup	0.00	-0.15	
2	RSup	-0.21	3.56	0.06	MidS	-1.03	10.23	0.10	LSup	0.00	-0.15	
3	LSup	0.21	3.56	0.06	MidS	-1.03	10.23	0.10	LSup	0.00	-0.15	
4	RSup	-0.38	3.56	0.11	MidS	-1.87	10.23	0.18	LSup	0.00	-0.27	
RExt	LSup	0.01	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00	0.01	

LOAD ID 30 - 1.25Dead+1.25Collateral+0.75Snow+1.5PAT_SL_5 Factored_Load:

REACTIONS:

Bay Id	Shear(k) Left Sup	Shear(k) Left Lap	Shear(k) Right Lap	Shear(k) Right Sup	Moment(f-k) Left Sup	Moment(f-k) Left Lap	Moment(f-k) MidSpan Mom	Moment(f-k) MidSpan Loc	Moment(f-k) Right Lap	Moment(f-k) Right Sup
LExt	0.00		-0.01	0.00		0.00	0.17			0.00
1	0.38		-0.38	0.00		-1.87	9.75			0.00
2	0.39		-0.39	0.00		-1.90	9.83			0.00
3	0.21		-0.21	0.00		-1.03	9.83			0.00
4	0.21		-0.21	0.00		-1.01	9.75			0.00
RExt	0.01		0.00	0.00		0.00	0.17			0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Shear(k) Calc	Shear(k) Limit	Shear(k) UC	Moment(f-k) Loc	Moment(f-k) Calc	Moment(f-k) Limit	Moment(f-k) UC	-Mom+Shr- Loc	-Mom+Shr- UC	Deflect(in) Calc	Deflect(in) Limit
LExt	RSup	-0.01	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00	0.01	
1	LSup	0.38	3.56	0.11	MidS	-1.87	10.23	0.18	LSup	0.00	-0.27	
2	RSup	-0.39	3.56	0.11	MidS	-1.90	10.23	0.19	LSup	0.00	-0.28	
3	LSup	0.21	3.56	0.06	MidS	-1.03	10.23	0.10	LSup	0.00	-0.15	
4	RSup	-0.21	3.56	0.06	MidS	-1.01	10.23	0.10	LSup	0.00	-0.15	
RExt	LSup	0.01	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00	0.01	

LOAD ID 31 - 1.25Dead+1.25Collateral+0.75Snow+1.5PAT_SL_6 Factored_Load:

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

REACTIONS:

Bay Id	Shear(k) Left Sup	Shear(k) Left Lap	Shear(k) Right Lap	Shear(k) Right Sup	Moment(f-k) Left Sup	Moment(f-k) Left Lap	Moment(f-k) MidSpan Mom	Moment(f-k) MidSpan Loc	Moment(f-k) Right Lap	Moment(f-k) Right Sup
LExt	0.00		-0.01	0.00	0.00		0.17			0.00
1	0.21		-0.21	0.00	-1.01		9.75			0.00
2	0.39		-0.39	0.00	-1.90		9.83			0.00
3	0.39		-0.39	0.00	-1.90		9.83			0.00
4	0.21		-0.21	0.00	-1.01		9.75			0.00
RExt	0.01		0.00	0.00	0.00		0.17			0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Calc	Limit	UC	Moment(f-k) Loc	Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
LExt	RSup	-0.01	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00	0.01	
1	LSup	0.21	3.56	0.06	MidS	-1.01	10.23	0.10	LSup	0.00	-0.15	
2	RSup	-0.39	3.56	0.11	MidS	-1.90	10.23	0.19	LSup	0.00	-0.28	
3	LSup	0.39	3.56	0.11	MidS	-1.90	10.23	0.19	LSup	0.00	-0.28	
4	RSup	-0.21	3.56	0.06	MidS	-1.01	10.23	0.10	LSup	0.00	-0.15	
RExt	LSup	0.01	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00	0.01	

LOAD ID 32 - 1.25Dead+1.25Collateral+0.75Snow+1.5PAT_SL_7 Factored_Load:

REACTIONS:

Bay Id	Shear(k) Left Sup	Shear(k) Left Lap	Shear(k) Right Lap	Shear(k) Right Sup	Moment(f-k) Left Sup	Moment(f-k) Left Lap	Moment(f-k) MidSpan Mom	Moment(f-k) MidSpan Loc	Moment(f-k) Right Lap	Moment(f-k) Right Sup
LExt	0.00		-0.01	0.00	0.00		0.17			0.00
1	0.21		-0.21	0.00	-1.01		9.75			0.00
2	0.21		-0.21	0.00	-1.03		9.83			0.00
3	0.39		-0.39	0.00	-1.90		9.83			0.00
4	0.38		-0.38	0.00	-1.87		9.75			0.00
RExt	0.01		0.00	0.00	0.00		0.17			0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Calc	Limit	UC	Moment(f-k) Loc	Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
LExt	RSup	-0.01	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00	0.01	
1	LSup	0.21	3.56	0.06	MidS	-1.01	10.23	0.10	LSup	0.00	-0.15	
2	RSup	-0.21	3.56	0.06	MidS	-1.03	10.23	0.10	LSup	0.00	-0.15	
3	LSup	0.39	3.56	0.11	MidS	-1.90	10.23	0.19	LSup	0.00	-0.28	
4	RSup	-0.38	3.56	0.11	MidS	-1.87	10.23	0.18	LSup	0.00	-0.27	
RExt	LSup	0.01	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00	0.01	

LOAD ID 33 - 1.25Dead+1.25Collateral+1.5UNB_SL_L Factored_Load:

REACTIONS:

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Bay Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00			-0.01	0.00		0.00	0.17		0.00
1	0.21			-0.21	0.00		-1.01	9.75		0.00
2	0.21			-0.21	0.00		-1.03	9.83		0.00
3	0.21			-0.21	0.00		-1.03	9.83		0.00
4	0.21			-0.21	0.00		-1.01	9.75		0.00
RExt	0.01			0.00	0.00		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay	Shear(k)				Moment(f-k)				-Mom+Shr-		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
LExt	RSup	-0.01	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00	0.01	
1	LSup	0.21	3.56	0.06	MidS	-1.01	10.23	0.10	LSup	0.00	-0.15	
2	RSup	-0.21	3.56	0.06	MidS	-1.03	10.23	0.10	LSup	0.00	-0.15	
3	RSup	-0.21	3.56	0.06	MidS	-1.03	10.23	0.10	LSup	0.00	-0.15	
4	RSup	-0.21	3.56	0.06	MidS	-1.01	10.23	0.10	LSup	0.00	-0.15	
RExt	LSup	0.01	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00	0.01	

LOAD ID 34 - 1.25Dead+1.25Collateral+1.5UNB_SL_R Factored_Load:

REACTIONS:

Bay Id	Shear(k) Left Sup	Left Lap	Right Lap	Right Sup	Moment(f-k) Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00			-0.01	0.00		0.00	0.17		0.00
1	0.38			-0.38	0.00		-1.87	9.75		0.00
2	0.39			-0.39	0.00		-1.90	9.83		0.00
3	0.39			-0.39	0.00		-1.90	9.83		0.00
4	0.38			-0.38	0.00		-1.87	9.75		0.00
RExt	0.01			0.00	0.00		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay	Shear(k)				Moment(f-k)				-Mom+Shr-		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
LExt	RSup	-0.01	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00	0.01	
1	LSup	0.38	3.56	0.11	MidS	-1.87	10.23	0.18	LSup	0.00	-0.27	
2	LSup	0.39	3.56	0.11	MidS	-1.90	10.23	0.19	LSup	0.00	-0.28	
3	RSup	-0.39	3.56	0.11	MidS	-1.90	10.23	0.19	LSup	0.00	-0.28	
4	RSup	-0.38	3.56	0.11	MidS	-1.87	10.23	0.18	LSup	0.00	-0.27	
RExt	LSup	0.01	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00	0.01	

DEFLECTION Service_Load:

LOAD ID 35 - Dead+Collateral+Live Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

LExt	0.00	0.00		
1	9.75	-0.09	1.30	0.07
2	9.83	-0.09	1.31	0.07
3	9.83	-0.09	1.31	0.07
4	9.75	-0.09	1.30	0.07
RExt	0.33	0.00		

LOAD ID 36 - Dead+Collateral Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio
LExt	0.00	0.00		
1	9.75	-0.02	1.30	0.01
2	9.83	-0.02	1.31	0.01
3	9.83	-0.02	1.31	0.01
4	9.75	-0.02	1.30	0.01
RExt	0.33	0.00		

LOAD ID 37 - Dead+Live+0.3Wind_Pressure1 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio
LExt	0.00	0.00		
1	9.75	-0.09	1.95	0.05
2	9.83	-0.09	1.97	0.05
3	9.83	-0.09	1.97	0.05
4	9.75	-0.09	1.95	0.05
RExt	0.33	0.00		

LOAD ID 38 - Dead+Live+0.3Wind_Suction1 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio
LExt	0.00	0.00		
1	9.75	-0.05	1.95	0.03
2	9.83	-0.05	1.97	0.03
3	9.83	-0.05	1.97	0.03
4	9.75	-0.05	1.95	0.03
RExt	0.33	0.00		

LOAD ID 39 - Dead+Collateral+0.9Snow+0.9Snow_Drift+0.9Slide_Snow Service_:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio
LExt	0.00	0.01		
1	9.75	-0.17	1.30	0.13
2	9.83	-0.17	1.31	0.13
3	9.83	-0.17	1.31	0.13
4	9.75	-0.17	1.30	0.13
RExt	0.33	0.01		

LOAD ID 40 - Dead+0.9Snow+0.3Wind_Pressure1+0.9Snow_Drift+0.9Slide_Snow S:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

LExt	0.00	0.01		
1	9.75	-0.17	1.95	0.09
2	9.83	-0.17	1.97	0.09
3	9.83	-0.17	1.97	0.09
4	9.75	-0.17	1.95	0.09
RExt	0.33	0.01		

LOAD ID 41 - Dead+0.9Snow+0.3Wind_Suction1+0.9Snow_Drift+0.9Slide_Snow Se:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio
LExt	0.00	0.01		
1	9.75	-0.13	1.95	0.07
2	9.83	-0.13	1.97	0.07
3	9.83	-0.13	1.97	0.07
4	9.75	-0.13	1.95	0.07
RExt	0.33	0.01		

LOAD ID 42 - Dead+0.75Wind_Pressure1 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio
LExt	0.00	0.00		
1	9.75	-0.03	1.95	0.02 W
2	9.83	-0.03	1.97	0.02 W
3	9.83	-0.03	1.97	0.02 W
4	9.75	-0.03	1.95	0.02 W
RExt	0.33	0.00		

LOAD ID 43 - Dead+0.75Wind_Suction1 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio
LExt	0.00	0.00		
1	9.75	0.06	1.95	0.03 W
2	9.83	0.06	1.97	0.03 W
3	9.83	0.06	1.97	0.03 W
4	9.75	0.06	1.95	0.03 W
RExt	0.33	0.00		

LOAD ID 44 - Dead+Live/2+0.75Wind_Pressure1 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio
LExt	0.00	0.00		
1	9.75	-0.07	1.95	0.03
2	9.83	-0.07	1.97	0.04
3	9.83	-0.07	1.97	0.04
4	9.75	-0.07	1.95	0.03
RExt	0.33	0.00		

LOAD ID 45 - Dead+Live/2+0.75Wind_Suction1 Service_Load:

Bay	Offset	Deflect(in)

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Id	(ft)	Calc	Limit	Ratio	
LExt	0.00	0.00			
1	9.75	0.03	1.95	0.01	
2	9.83	0.03	1.97	0.01	
3	9.83	0.03	1.97	0.01	
4	9.75	0.03	1.95	0.01	
RExt	0.33	0.00			

LOAD ID 46 - Dead+Collateral+0.45Snow+0.75Wind_Pressure1+0.45Snow_Drift+0:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio	
LExt	0.00	0.01			
1	9.75	-0.12	1.95	0.06	
2	9.83	-0.12	1.97	0.06	
3	9.83	-0.12	1.97	0.06	
4	9.75	-0.12	1.95	0.06	
RExt	0.33	0.01			

LOAD ID 47 - Dead+Collateral+0.45Snow+0.75Wind_Suction1+0.45Snow_Drift+0.:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio	
LExt	0.00	0.00			
1	9.75	-0.02	1.95	0.01	
2	9.83	-0.03	1.97	0.01	
3	9.83	-0.03	1.97	0.01	
4	9.75	-0.02	1.95	0.01	
RExt	0.33	0.00			

LOAD ID 48 - 0.75Wind_Pressure1 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio	
LExt	0.00	0.00			
1	9.75	-0.02	1.95	0.01	W
2	9.83	-0.02	1.97	0.01	W
3	9.83	-0.02	1.97	0.01	W
4	9.75	-0.02	1.95	0.01	W
RExt	0.33	0.00			

LOAD ID 49 - 0.75Wind_Suction1 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio	
LExt	0.00	0.00			
1	9.75	0.07	1.95	0.04	W
2	9.83	0.07	1.97	0.04	W
3	9.83	0.07	1.97	0.04	W
4	9.75	0.07	1.95	0.04	W
RExt	0.33	0.00			

LOAD ID 50 - 0.45Snow+PAT_SL_1 Service_Load:

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio
LExt	0.00	0.01		
1	9.75	-0.15	1.30	0.12 L
2	9.83	-0.08	1.31	0.06 L
3	9.83	-0.08	1.31	0.06 L
4	9.75	-0.07	1.30	0.06 L
RExt	0.33	0.00		

LOAD ID 51 - 0.45Snow+PAT_SL_2 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio
LExt	0.00	0.00		
1	9.75	-0.07	1.30	0.06 L
2	9.83	-0.16	1.31	0.12 L
3	9.83	-0.08	1.31	0.06 L
4	9.75	-0.07	1.30	0.06 L
RExt	0.33	0.00		

LOAD ID 52 - 0.45Snow+PAT_SL_3 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio
LExt	0.00	0.00		
1	9.75	-0.07	1.30	0.06 L
2	9.83	-0.08	1.31	0.06 L
3	9.83	-0.16	1.31	0.12 L
4	9.75	-0.07	1.30	0.06 L
RExt	0.33	0.00		

LOAD ID 53 - 0.45Snow+PAT_SL_4 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio
LExt	0.00	0.00		
1	9.75	-0.07	1.30	0.06 L
2	9.83	-0.08	1.31	0.06 L
3	9.83	-0.08	1.31	0.06 L
4	9.75	-0.15	1.30	0.12 L
RExt	0.33	0.01		

LOAD ID 54 - 0.45Snow+PAT_SL_5 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio
LExt	0.00	0.01		
1	9.75	-0.15	1.30	0.12 L
2	9.83	-0.16	1.31	0.12 L
3	9.83	-0.08	1.31	0.06 L
4	9.75	-0.07	1.30	0.06 L
RExt	0.33	0.00		

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

LOAD ID 55 - 0.45Snow+PAT_SL_6 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio	
LExt	0.00	0.00			
1	9.75	-0.07	1.30	0.06	L
2	9.83	-0.16	1.31	0.12	L
3	9.83	-0.16	1.31	0.12	L
4	9.75	-0.07	1.30	0.06	L
RExt	0.33	0.00			

LOAD ID 56 - 0.45Snow+PAT_SL_7 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio	
LExt	0.00	0.00			
1	9.75	-0.07	1.30	0.06	L
2	9.83	-0.08	1.31	0.06	L
3	9.83	-0.16	1.31	0.12	L
4	9.75	-0.15	1.30	0.12	L
RExt	0.33	0.01			

LOAD ID 57 - UNB_SL_L Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio
LExt	0.00	0.00		
1	9.75	-0.07	1.30	0.06
2	9.83	-0.08	1.31	0.06
3	9.83	-0.08	1.31	0.06
4	9.75	-0.07	1.30	0.06
RExt	0.33	0.00		

LOAD ID 58 - UNB_SL_R Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio	
LExt	0.00	0.01			
1	9.75	-0.15	1.30	0.12	L
2	9.83	-0.16	1.31	0.12	L
3	9.83	-0.16	1.31	0.12	L
4	9.75	-0.15	1.30	0.12	L
RExt	0.33	0.01			

011467_RF Eave Strut, Longitudinal Load(Wall 4) 3/26/24 3:24pm

Wall Bay Eave Id	Id	Part	Load Id	Axial(k) Calc	Limit	UC	Moment(f-k) Calc	Limit	UC	Axl+Mom UC	Max Unbrace_Len KL/r	Major	Minor
4	4	10x28E15	1	0.34	19.27	0.02	-3.07	10.23	0.30	0.32	60	19.5	

		Job No	011467_RF				**Date**	3/26/2024					
		Customer	Norsteel Buildings				**Designed By**	MQZ					
		Description	2040503 Ontario Inc/NS24-11										
			Vars/ON/K0A 3H0										
0.1													
		2	0.04	19.27	0.00	-3.07	10.23	0.30	0.30	60	19.5		
0.1													
		3	0.34	19.27	0.02	-7.30	10.23	0.71	0.73	60	19.5		
0.1													
		4	0.04	19.27	0.00	-7.30	10.23	0.71	0.72	60	19.5		
0.1													
		5	0.34	19.27	0.02	-7.30	10.23	0.71	0.73	60	19.5		
0.1													
		6	0.04	19.27	0.00	-7.30	10.23	0.71	0.72	60	19.5		
0.1													
		7	1.18	19.27	0.06	2.71	8.60	0.31	0.38	60	19.5		
0.1													
		8	0.13	19.27	0.01	2.71	8.60	0.31	0.32	60	19.5		
0.1													
		9	0.51	19.27	0.03	-0.54	10.23	0.05	0.08	60	19.5		
0.1													
		10	0.51	19.27	0.03	-1.61	10.23	0.16	0.18	60	19.5		
0.1													
		11	0.51	19.27	0.03	-1.78	10.23	0.17	0.20	60	19.5		
0.1													
		12	0.51	19.27	0.03	-1.78	10.23	0.17	0.20	60	19.5		
0.1													
4	3 10x28E15	1	0.83	19.22	0.04	-3.12	10.23	0.31	0.35	61	19.7		
0.1													
		2	0.83	19.22	0.04	-3.12	10.23	0.31	0.35	61	19.7		
0.1													
		3	0.83	19.22	0.04	-7.43	10.23	0.73	0.77	61	19.7		
0.1													
		4	0.83	19.22	0.04	-7.43	10.23	0.73	0.77	61	19.7		
0.1													
		5	0.83	19.22	0.04	-7.43	10.23	0.73	0.77	61	19.7		
0.1													
		6	0.83	19.22	0.04	-7.43	10.23	0.73	0.77	61	19.7		
0.1													
		7	2.91	19.22	0.15	2.75	8.61	0.32	0.48	61	19.7		
0.1													
		8	2.91	19.22	0.15	2.75	8.61	0.32	0.48	61	19.7		
0.1													
		9	5.14	19.22	0.27	-0.54	10.23	0.05	0.32	61	19.7		
0.1													
		10	5.14	19.22	0.27	-1.64	10.23	0.16	0.44	61	19.7		
0.1													
		11	5.14	19.22	0.27	-1.81	10.23	0.18	0.46	61	19.7		
0.1													
		12	5.14	19.22	0.27	-1.81	10.23	0.18	0.46	61	19.7		
0.1													
4	2 10x28E15	1	0.04	19.22	0.00	-3.12	10.23	0.31	0.31	61	19.7		
0.1													
		2	0.34	19.22	0.02	-3.12	10.23	0.31	0.32	61	19.7		
0.1													
		3	0.04	19.22	0.00	-7.43	10.23	0.73	0.73	61	19.7		
0.1													
		4	0.34	19.22	0.02	-7.43	10.23	0.73	0.74	61	19.7		

	Job No	011467_RF	**Date**	3/26/2024	
	Customer	Norsteel Buildings	**Designed By**	MQZ	
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0			

0.1													
			5	0.04	19.22	0.00	-7.43	10.23	0.73	0.73	61	19.7
0.1													
			6	0.34	19.22	0.02	-7.43	10.23	0.73	0.74	61	19.7
0.1													
			7	0.13	19.22	0.01	2.75	8.61	0.32	0.33	61	19.7
0.1													
			8	1.18	19.22	0.06	2.75	8.61	0.32	0.38	61	19.7
0.1													
			9	1.00	19.22	0.05	-0.54	10.23	0.05	0.11	61	19.7
0.1													
			10	1.00	19.22	0.05	-1.64	10.23	0.16	0.21	61	19.7
0.1													
			11	1.00	19.22	0.05	-1.81	10.23	0.18	0.23	61	19.7
0.1													
			12	1.00	19.22	0.05	-1.81	10.23	0.18	0.23	61	19.7
0.1													
4	1	10x28E15	1	0.04	19.27	0.00	-3.07	10.23	0.30	0.30	60	19.5
0.1													
			2	0.34	19.27	0.02	-3.07	10.23	0.30	0.32	60	19.5
0.1													
			3	0.04	19.27	0.00	-7.30	10.23	0.71	0.72	60	19.5
0.1													
			4	0.34	19.27	0.02	-7.30	10.23	0.71	0.73	60	19.5
0.1													
			5	0.04	19.27	0.00	-7.30	10.23	0.71	0.72	60	19.5
0.1													
			6	0.34	19.27	0.02	-7.30	10.23	0.71	0.73	60	19.5
0.1													
			7	0.13	19.27	0.01	2.71	8.60	0.31	0.32	60	19.5
0.1													
			8	1.18	19.27	0.06	2.71	8.60	0.31	0.38	60	19.5
0.1													
			9	0.51	19.27	0.03	-0.54	10.23	0.05	0.08	60	19.5
0.1													
			10	0.51	19.27	0.03	-1.61	10.23	0.16	0.18	60	19.5
0.1													
			11	0.51	19.27	0.03	-1.78	10.23	0.17	0.20	60	19.5
0.1													
			12	0.51	19.27	0.03	-1.78	10.23	0.17	0.20	60	19.5
0.1													

EAVE STRUT
Wall Id = 4

LAYOUT:

Bay	Design Length	--Lap(ft)--	Load	No.	No.	Unit	Total	Available Reduction Factor

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Id	Part	(ft)	Left	Right	Width	Strap	Row	Weight	Weight	Out	In
LExt	10x28E15	0.33			2.17	0	1	1.2	1.2	0.00	0.40
4	10x28E15	19.50			2.17	1	1	73.1	73.1	0.00	0.40
3	10x28E15	19.67			2.17	1	1	73.8	73.8	0.00	0.40
2	10x28E15	19.67			2.17	1	1	73.7	73.7	0.00	0.40
1	10x28E15	19.50			2.17	1	1	73.1	73.1	0.00	0.40
REXt	10x28E15	0.33			2.17	0	1	1.2	1.2	0.00	0.40
									296.3		

Total(lb)= 296.3

Purlin DL= 1.72 (psf)

LOAD ID 1 - 1.25Dead+1.25Collateral+1.5Live Factored_Load:

REACTIONS:

Bay Id	Shear(k) Left Sup	Shear(k) Left Lap	Shear(k) Right Lap	Shear(k) Right Sup	Moment(f-k) Left Sup	Moment(f-k) Left Lap	Moment(f-k) MidSpan Mom	Moment(f-k) MidSpan Loc	Moment(f-k) Right Lap	Moment(f-k) Right Sup
LExt	0.00		-0.03	0.00	0.00		0.00	0.17		0.00
4	0.80		-0.80	0.00			-3.90	9.75		0.00
3	0.81		-0.81	0.00			-3.97	9.83		0.00
2	0.81		-0.81	0.00			-3.97	9.83		0.00
1	0.80		-0.80	0.00			-3.90	9.75		0.00
REXt	0.03		0.00	0.00	0.00		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Shear(k) Calc	Shear(k) Limit	Shear(k) UC	Moment(f-k) Loc	Moment(f-k) Calc	Moment(f-k) Limit	Moment(f-k) UC	-Mom+Shr- Loc	-Mom+Shr- UC	Deflect(in) Calc	Deflect(in) Limit
LExt	RSup	-0.03	3.56	0.01	RSup	0.00	10.23	0.00	LSup	0.00	0.03	
4	LSup	0.80	3.56	0.23	MidS	-3.90	10.23	0.38	LSup	0.00	-0.57	
3	RSup	-0.81	3.56	0.23	MidS	-3.97	10.23	0.39	LSup	0.00	-0.59	
2	LSup	0.81	3.56	0.23	MidS	-3.97	10.23	0.39	LSup	0.00	-0.59	
1	RSup	-0.80	3.56	0.23	MidS	-3.90	10.23	0.38	LSup	0.00	-0.57	
REXt	LSup	0.03	3.56	0.01	LSup	0.00	10.23	0.00	LSup	0.00	0.03	

LOAD ID 2 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Pressure1 Factored_L:

REACTIONS:

Bay Id	Shear(k) Left Sup	Shear(k) Left Lap	Shear(k) Right Lap	Shear(k) Right Sup	Moment(f-k) Left Sup	Moment(f-k) Left Lap	Moment(f-k) MidSpan Mom	Moment(f-k) MidSpan Loc	Moment(f-k) Right Lap	Moment(f-k) Right Sup
LExt	0.00		-0.03	0.00	0.00		0.00	0.17		0.01
4	0.88		-0.88	0.01			-4.28	9.75		0.00
3	0.89		-0.89	0.00			-4.36	9.83		0.00
2	0.89		-0.89	0.00			-4.36	9.83		0.00
1	0.88		-0.88	0.00			-4.28	9.75		0.01
REXt	0.03		0.00	0.01	0.00		0.00	0.17		0.00

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Calc	Limit	UC	Moment(f-k) Loc	Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
LExt	RSup	-0.03	3.56	0.01	RSup	0.01	10.23	0.00	LSup	0.00	0.03	
4	LSup	0.88	3.56	0.25	MidS	-4.28	10.23	0.42	LSup	0.00	-0.62	
3	LSup	0.89	3.56	0.25	MidS	-4.36	10.23	0.43	LSup	0.00	-0.65	
2	RSup	-0.89	3.56	0.25	MidS	-4.36	10.23	0.43	LSup	0.00	-0.65	
1	RSup	-0.88	3.56	0.25	MidS	-4.28	10.23	0.42	LSup	0.00	-0.62	
RExt	LSup	0.03	3.56	0.01	LSup	0.01	10.23	0.00	LSup	0.00	0.03	

LOAD ID 3 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Suction1 Factored_Lo:

REACTIONS:

Bay Id	Shear(k) Left Sup	Left Lap	Right Lap	Right Sup	Moment(f-k) Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00		-0.02	0.00	0.00		0.17			0.00
4	0.60		-0.60	0.00	-2.91		9.75			0.00
3	0.60		-0.60	0.00	-2.96		9.83			0.00
2	0.60		-0.60	0.00	-2.96		9.83			0.00
1	0.60		-0.60	0.00	-2.91		9.75			0.00
RExt	0.02		0.00	0.00	0.00		0.17			0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Calc	Limit	UC	Moment(f-k) Loc	Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
LExt	RSup	-0.02	3.56	0.01	RSup	0.00	10.23	0.00	LSup	0.00	0.02	
4	LSup	0.60	3.56	0.17	MidS	-2.91	10.23	0.28	LSup	0.00	-0.42	
3	LSup	0.60	3.56	0.17	MidS	-2.96	10.23	0.29	LSup	0.00	-0.44	
2	LSup	0.60	3.56	0.17	MidS	-2.96	10.23	0.29	LSup	0.00	-0.44	
1	RSup	-0.60	3.56	0.17	MidS	-2.91	10.23	0.28	LSup	0.00	-0.42	
RExt	LSup	0.02	3.56	0.01	LSup	0.00	10.23	0.00	LSup	0.00	0.02	

LOAD ID 4 - 1.4Dead+1.4Collateral Factored_Load:

REACTIONS:

Bay Id	Shear(k) Left Sup	Left Lap	Right Lap	Right Sup	Moment(f-k) Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00		-0.01	0.00	0.00		0.17			0.00
4	0.15		-0.15	0.00	-0.75		9.75			0.00
3	0.16		-0.16	0.00	-0.76		9.83			0.00
2	0.16		-0.16	0.00	-0.76		9.83			0.00
1	0.15		-0.15	0.00	-0.75		9.75			0.00
RExt	0.01		0.00	0.00	0.00		0.17			0.00

STRENGTH/DEFLECTION:

Bay	Shear(k)	Moment(f-k)	-Mom+Shr-	Deflect(in)

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Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
LExt	RSup	-0.01	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00	0.01	
4	LSup	0.15	3.56	0.04	MidS	-0.75	10.23	0.07	LSup	0.00	-0.11	
3	LSup	0.16	3.56	0.04	MidS	-0.76	10.23	0.07	LSup	0.00	-0.11	
2	LSup	0.16	3.56	0.04	MidS	-0.76	10.23	0.07	LSup	0.00	-0.11	
1	RSup	-0.15	3.56	0.04	MidS	-0.75	10.23	0.07	LSup	0.00	-0.11	
RExt	LSup	0.01	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00	0.01	

LOAD ID 5 - 0.9Dead+1.5Live Factored_Load:

REACTIONS:

Bay Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00		-0.02	0.00	0.00		0.17			0.00
4	0.71		-0.70	0.00	-3.44		9.75			0.00
3	0.71		-0.71	0.00	-3.50		9.83			0.00
2	0.71		-0.71	0.00	-3.50		9.83			0.00
1	0.70		-0.71	0.00	-3.44		9.75			0.00
RExt	0.02		0.00	0.00	0.00		0.17			0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Shear(k) Calc	Shear(k) Limit	Shear(k) UC	Moment(f-k) Loc	Moment(f-k) Calc	Moment(f-k) Limit	Moment(f-k) UC	-Mom+Shr- Loc	-Mom+Shr- UC	Deflect(in) Calc	Deflect(in) Limit
LExt	RSup	-0.02	3.56	0.01	RSup	0.00	10.23	0.00	LSup	0.00	0.03	
4	LSup	0.71	3.56	0.20	MidS	-3.44	10.23	0.34	LSup	0.00	-0.50	
3	RSup	-0.71	3.56	0.20	MidS	-3.50	10.23	0.34	LSup	0.00	-0.52	
2	LSup	0.71	3.56	0.20	MidS	-3.50	10.23	0.34	LSup	0.00	-0.52	
1	RSup	-0.71	3.56	0.20	MidS	-3.44	10.23	0.34	LSup	0.00	-0.50	
RExt	LSup	0.02	3.56	0.01	LSup	0.00	10.23	0.00	LSup	0.00	0.03	

LOAD ID 6 - 0.9Dead+1.5Live+0.4Wind_Pressure1 Factored_Load:

REACTIONS:

Bay Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00		-0.03	0.00	0.00		0.17			0.00
4	0.78		-0.78	0.00	-3.82		9.75			0.00
3	0.79		-0.79	0.00	-3.89		9.83			0.00
2	0.79		-0.79	0.00	-3.89		9.83			0.00
1	0.78		-0.78	0.00	-3.82		9.75			0.00
RExt	0.03		0.00	0.00	0.00		0.17			0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Shear(k) Calc	Shear(k) Limit	Shear(k) UC	Moment(f-k) Loc	Moment(f-k) Calc	Moment(f-k) Limit	Moment(f-k) UC	-Mom+Shr- Loc	-Mom+Shr- UC	Deflect(in) Calc	Deflect(in) Limit

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LExt	RSup	-0.03	3.56	0.01	RSup	0.00	10.23	0.00	LSup	0.00	0.03
4	LSup	0.78	3.56	0.22	MidS	-3.82	10.23	0.37	LSup	0.00	-0.56
3	RSup	-0.79	3.56	0.22	MidS	-3.89	10.23	0.38	LSup	0.00	-0.58
2	RSup	-0.79	3.56	0.22	MidS	-3.89	10.23	0.38	LSup	0.00	-0.58
1	RSup	-0.78	3.56	0.22	MidS	-3.82	10.23	0.37	LSup	0.00	-0.56
RExt	LSup	0.03	3.56	0.01	LSup	0.00	10.23	0.00	LSup	0.00	0.03

LOAD ID 7 - 0.9Dead+1.5Live+0.4Wind_Suction1 Factored_Load:

REACTIONS:

Bay Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00		-0.02	0.00		0.00	0.17			0.00
4	0.50		-0.50	0.00		-2.45	9.75			0.00
3	0.51		-0.51	0.00		-2.49	9.83			0.00
2	0.51		-0.51	0.00		-2.49	9.83			0.00
1	0.50		-0.50	0.00		-2.45	9.75			0.00
RExt	0.02		0.00	0.00		0.00	0.17			0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Calc	Limit	UC	Moment(f-k) Loc	Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
LExt	RSup	-0.02	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00	0.02	
4	LSup	0.50	3.56	0.14	MidS	-2.45	10.23	0.24	LSup	0.00	-0.36	
3	LSup	0.51	3.56	0.14	MidS	-2.49	10.23	0.24	LSup	0.00	-0.37	
2	LSup	0.51	3.56	0.14	MidS	-2.49	10.23	0.24	LSup	0.00	-0.37	
1	RSup	-0.50	3.56	0.14	MidS	-2.45	10.23	0.24	LSup	0.00	-0.36	
RExt	LSup	0.02	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00	0.02	

LOAD ID 8 - 1.25Dead+1.25Collateral+1.5Snow+1.5Snow_Drift+1.5Slide_Snow:

REACTIONS:

Bay Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00		-0.06	0.00		0.00	0.17			0.01
4	1.67		-1.67	0.01		-8.13	9.75			0.00
3	1.68		-1.68	0.00		-8.27	9.83			0.00
2	1.68		-1.68	0.00		-8.27	9.83			0.00
1	1.67		-1.67	0.00		-8.13	9.75			0.01
RExt	0.06		0.00	0.01		0.00	0.17			0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Calc	Limit	UC	Moment(f-k) Loc	Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
LExt	RSup	-0.06	3.56	0.02	RSup	0.01	10.23	0.00	LSup	0.00	0.06	
4	LSup	1.67	3.56	0.47	MidS	-8.13	10.23	0.79	LSup	0.00	-1.18	

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3	LSup	1.68	3.56	0.47	MidS	-8.27	10.23	0.81	LSup	0.00	-1.22	
2	LSup	1.68	3.56	0.47	MidS	-8.27	10.23	0.81	LSup	0.00	-1.22	
1	RSup	-1.67	3.56	0.47	MidS	-8.13	10.23	0.79	LSup	0.00	-1.18	
REXt	LSup	0.06	3.56	0.02	LSup	0.01	10.23	0.00	LSup	0.00	0.06	

LOAD ID 9 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Pressure1+1.5Snow_Dr:

REACTIONS:

Bay Id	Shear(k) Left Sup	Shear(k) Left Lap	Shear(k) Right Lap	Shear(k) Right Sup	Moment(f-k) Left Sup	Moment(f-k) Left Lap	Moment(f-k) MidSpan Mom	Moment(f-k) MidSpan Loc	Moment(f-k) Right Lap	Moment(f-k) Right Sup
LExt	0.00		-0.06	0.00		0.00	0.17			0.01
4	1.75		-1.75	0.01		-8.51	9.75			0.00
3	1.76		-1.76	0.00		-8.67	9.83			0.00
2	1.76		-1.76	0.00		-8.67	9.83			0.00
1	1.75		-1.75	0.00		-8.51	9.75			0.01
RExt	0.06		0.00	0.01		0.00	0.17			0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Shear(k) Calc	Shear(k) Limit	Shear(k) UC	Moment(f-k) Loc	Moment(f-k) Calc	Moment(f-k) Limit	Moment(f-k) UC	-Mom+Shr- Loc	-Mom+Shr- UC	Deflect(in) Calc	Deflect(in) Limit
LExt	RSup	-0.06	3.56	0.02	RSup	0.01	10.23	0.00	LSup	0.00	0.07	
4	LSup	1.75	3.56	0.49	MidS	-8.51	10.23	0.83	LSup	0.00	-1.24	
3	LSup	1.76	3.56	0.50	MidS	-8.67	10.23	0.85	LSup	0.00	-1.28	
2	RSup	-1.76	3.56	0.50	MidS	-8.67	10.23	0.85	LSup	0.00	-1.28	
1	RSup	-1.75	3.56	0.49	MidS	-8.51	10.23	0.83	LSup	0.00	-1.24	
RExt	LSup	0.06	3.56	0.02	LSup	0.01	10.23	0.00	LSup	0.00	0.07	

LOAD ID 10 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Suction1+1.5Snow_Dri:

REACTIONS:

Bay Id	Shear(k) Left Sup	Shear(k) Left Lap	Shear(k) Right Lap	Shear(k) Right Sup	Moment(f-k) Left Sup	Moment(f-k) Left Lap	Moment(f-k) MidSpan Mom	Moment(f-k) MidSpan Loc	Moment(f-k) Right Lap	Moment(f-k) Right Sup
LExt	0.00		-0.05	0.00		0.00	0.17			0.01
4	1.47		-1.47	0.01		-7.14	9.75			0.00
3	1.48		-1.48	0.00		-7.27	9.83			0.00
2	1.48		-1.48	0.00		-7.27	9.83			0.00
1	1.47		-1.47	0.00		-7.14	9.75			0.01
RExt	0.05		0.00	0.01		0.00	0.17			0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Shear(k) Calc	Shear(k) Limit	Shear(k) UC	Moment(f-k) Loc	Moment(f-k) Calc	Moment(f-k) Limit	Moment(f-k) UC	-Mom+Shr- Loc	-Mom+Shr- UC	Deflect(in) Calc	Deflect(in) Limit
LExt	RSup	-0.05	3.56	0.01	RSup	0.01	10.23	0.00	LSup	0.00	0.06	
4	LSup	1.47	3.56	0.41	MidS	-7.14	10.23	0.70	LSup	0.00	-1.04	
3	RSup	-1.48	3.56	0.42	MidS	-7.27	10.23	0.71	LSup	0.00	-1.08	
2	LSup	1.48	3.56	0.42	MidS	-7.27	10.23	0.71	LSup	0.00	-1.08	

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1	RSup	-1.47	3.56	0.41	MidS	-7.14	10.23	0.70	LSup	0.00	-1.04
RExt	LSup	0.05	3.56	0.01	LSup	0.01	10.23	0.00	LSup	0.00	0.06

LOAD ID 11 - 0.9Dead+1.5Snow+1.5Snow_Drift+1.5Slide_Snow Factored_Load:

REACTIONS:

Bay Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
	Shear(k)				Moment(f-k)					
LExt	0.00			-0.05	0.00		0.00	0.17		0.01
4	1.57			-1.57	0.01		-7.66	9.75		0.00
3	1.59			-1.59	0.00		-7.80	9.83		0.00
2	1.59			-1.59	0.00		-7.80	9.83		0.00
1	1.57			-1.57	0.00		-7.66	9.75		0.01
RExt	0.05			0.00	0.01		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Calc	Limit	UC	Moment(f-k) Loc	Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
LExt	RSup	-0.05	3.56	0.02	RSup	0.01	10.23	0.00	LSup	0.00	0.06	
4	LSup	1.57	3.56	0.44	MidS	-7.66	10.23	0.75	LSup	0.00	-1.11	
3	LSup	1.59	3.56	0.45	MidS	-7.80	10.23	0.76	LSup	0.00	-1.15	
2	LSup	1.59	3.56	0.45	MidS	-7.80	10.23	0.76	LSup	0.00	-1.15	
1	RSup	-1.57	3.56	0.44	MidS	-7.66	10.23	0.75	LSup	0.00	-1.11	
RExt	LSup	0.05	3.56	0.02	LSup	0.01	10.23	0.00	LSup	0.00	0.06	

LOAD ID 12 - 0.9Dead+1.5Snow+0.4Wind_Pressure1+1.5Snow_Drift+1.5Slide_Sno:

REACTIONS:

Bay Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
	Shear(k)				Moment(f-k)					
LExt	0.00			-0.06	0.00		0.00	0.17		0.01
4	1.65			-1.65	0.01		-8.05	9.75		0.00
3	1.67			-1.67	0.00		-8.19	9.83		0.00
2	1.67			-1.67	0.00		-8.19	9.83		0.00
1	1.65			-1.65	0.00		-8.05	9.75		0.01
RExt	0.06			0.00	0.01		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Calc	Limit	UC	Moment(f-k) Loc	Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
LExt	RSup	-0.06	3.56	0.02	RSup	0.01	10.23	0.00	LSup	0.00	0.06	
4	LSup	1.65	3.56	0.46	MidS	-8.05	10.23	0.79	LSup	0.00	-1.17	
3	LSup	1.67	3.56	0.47	MidS	-8.19	10.23	0.80	LSup	0.00	-1.21	
2	RSup	-1.67	3.56	0.47	MidS	-8.19	10.23	0.80	LSup	0.00	-1.21	
1	RSup	-1.65	3.56	0.46	MidS	-8.05	10.23	0.79	LSup	0.00	-1.17	
RExt	LSup	0.06	3.56	0.02	LSup	0.01	10.23	0.00	LSup	0.00	0.06	

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	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

LOAD ID 13 - 0.9Dead+1.5Snow+0.4Wind_Suction1+1.5Snow_Drift+1.5Slide_Snow:

REACTIONS:

Bay Id	Shear(k) Left Sup	Shear(k) Left Lap	Shear(k) Right Lap	Shear(k) Right Sup	Moment(f-k) Left Sup	Moment(f-k) Left Lap	Moment(f-k) MidSpan Mom	Moment(f-k) MidSpan Loc	Moment(f-k) Right Lap	Moment(f-k) Right Sup
LExt	0.00		-0.05	0.00		0.00	0.17			0.01
4	1.37		-1.37	0.01		-6.68	9.75			0.00
3	1.38		-1.38	0.00		-6.79	9.83			0.00
2	1.38		-1.38	0.00		-6.79	9.83			0.00
1	1.37		-1.37	0.00		-6.68	9.75			0.01
RExt	0.05		0.00	0.01		0.00	0.17			0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Shear(k) Calc	Shear(k) Limit	Shear(k) UC	Moment(f-k) Loc	Moment(f-k) Calc	Moment(f-k) Limit	Moment(f-k) UC	-Mom+Shr- Loc	-Mom+Shr- UC	Deflect(in) Calc	Deflect(in) Limit
LExt	RSup	-0.05	3.56	0.01	RSup	0.01	10.23	0.00	LSup	0.00	0.05	
4	LSup	1.37	3.56	0.39	MidS	-6.68	10.23	0.65	LSup	0.00	-0.97	
3	LSup	1.38	3.56	0.39	MidS	-6.79	10.23	0.66	LSup	0.00	-1.01	
2	RSup	-1.38	3.56	0.39	MidS	-6.79	10.23	0.66	LSup	0.00	-1.01	
1	RSup	-1.37	3.56	0.39	MidS	-6.68	10.23	0.65	LSup	0.00	-0.97	
RExt	LSup	0.05	3.56	0.01	LSup	0.01	10.23	0.00	LSup	0.00	0.05	

LOAD ID 14 - 1.25Dead+1.25Collateral+1.4Wind_Pressure1 Factored_Load:

REACTIONS:

Bay Id	Shear(k) Left Sup	Shear(k) Left Lap	Shear(k) Right Lap	Shear(k) Right Sup	Moment(f-k) Left Sup	Moment(f-k) Left Lap	Moment(f-k) MidSpan Mom	Moment(f-k) MidSpan Loc	Moment(f-k) Right Lap	Moment(f-k) Right Sup
LExt	0.00		-0.01	0.00		0.00	0.17			0.00
4	0.41		-0.41	0.00		-2.01	9.75			0.00
3	0.42		-0.42	0.00		-2.05	9.83			0.00
2	0.42		-0.42	0.00		-2.05	9.83			0.00
1	0.41		-0.41	0.00		-2.01	9.75			0.00
RExt	0.01		0.00	0.00		0.00	0.17			0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Shear(k) Calc	Shear(k) Limit	Shear(k) UC	Moment(f-k) Loc	Moment(f-k) Calc	Moment(f-k) Limit	Moment(f-k) UC	-Mom+Shr- Loc	-Mom+Shr- UC	Deflect(in) Calc	Deflect(in) Limit
LExt	RSup	-0.01	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00	0.02	
4	LSup	0.41	3.56	0.12	MidS	-2.01	10.23	0.20	LSup	0.00	-0.29	
3	LSup	0.42	3.56	0.12	MidS	-2.05	10.23	0.20	LSup	0.00	-0.30	
2	RSup	-0.42	3.56	0.12	MidS	-2.05	10.23	0.20	LSup	0.00	-0.30	
1	RSup	-0.41	3.56	0.12	MidS	-2.01	10.23	0.20	LSup	0.00	-0.29	
RExt	LSup	0.01	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00	0.02	

LOAD ID 15 - 1.25Dead+1.25Collateral+1.4Wind_Suction1 Factored_Load:

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	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

REACTIONS:

Bay Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
	Shear(k)				Moment(f-k)					
LExt	0.00		0.02	0.00		0.00	0.17			0.00
4	-0.57		0.57	0.00		2.79	9.75			0.00
3	-0.58		0.58	0.00		2.84	9.83			0.00
2	-0.58		0.58	0.00		2.84	9.83			0.00
1	-0.57		0.57	0.00		2.79	9.75			0.00
RExt	-0.02		0.00	0.00		0.00	0.17			0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Calc	Limit	UC	Moment(f-k) Loc	Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
LExt	RSup	0.02	3.56	0.01	RSup	0.00	10.23	0.00	LSup	0.00	-0.02	
4	LSup	-0.57	3.56	0.16	MidS	2.79	8.60	0.32	LSup	0.00	0.41	
3	LSup	-0.58	3.56	0.16	MidS	2.84	8.61	0.33	LSup	0.00	0.42	
2	LSup	-0.58	3.56	0.16	MidS	2.84	8.61	0.33	LSup	0.00	0.42	
1	RSup	0.57	3.56	0.16	MidS	2.79	8.60	0.32	LSup	0.00	0.41	
RExt	LSup	-0.02	3.56	0.01	LSup	0.00	10.23	0.00	LSup	0.00	-0.02	

LOAD ID 16 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Pressure1 Factored_Lo:

REACTIONS:

Bay Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
	Shear(k)				Moment(f-k)					
LExt	0.00		-0.02	0.00		0.00	0.17			0.00
4	0.63		-0.63	0.00		-3.09	9.75			0.00
3	0.64		-0.64	0.00		-3.14	9.83			0.00
2	0.64		-0.64	0.00		-3.14	9.83			0.00
1	0.63		-0.63	0.00		-3.09	9.75			0.00
RExt	0.02		0.00	0.00		0.00	0.17			0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Calc	Limit	UC	Moment(f-k) Loc	Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
LExt	RSup	-0.02	3.56	0.01	RSup	0.00	10.23	0.00	LSup	0.00	0.02	
4	LSup	0.63	3.56	0.18	MidS	-3.09	10.23	0.30	LSup	0.00	-0.45	
3	LSup	0.64	3.56	0.18	MidS	-3.14	10.23	0.31	LSup	0.00	-0.47	
2	RSup	-0.64	3.56	0.18	MidS	-3.14	10.23	0.31	LSup	0.00	-0.47	
1	RSup	-0.63	3.56	0.18	MidS	-3.09	10.23	0.30	LSup	0.00	-0.45	
RExt	LSup	0.02	3.56	0.01	LSup	0.00	10.23	0.00	LSup	0.00	0.02	

LOAD ID 17 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Suction1 Factored_Loa:

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

REACTIONS:

Bay Id	Shear(k) Left Sup	Shear(k) Left Lap	Shear(k) Right Lap	Shear(k) Right Sup	Moment(f-k) Left Sup	Moment(f-k) Left Lap	Moment(f-k) MidSpan Mom	Moment(f-k) MidSpan Loc	Moment(f-k) Right Lap	Moment(f-k) Right Sup
LExt	0.00		0.01	0.00		0.00	0.17			0.00
4	-0.35		0.35	0.00		1.72	9.75			0.00
3	-0.36		0.36	0.00		1.75	9.83			0.00
2	-0.36		0.36	0.00		1.75	9.83			0.00
1	-0.35		0.35	0.00		1.72	9.75			0.00
RExt	-0.01			0.00	0.00		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Calc	Limit	UC	Moment(f-k) Loc	Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
LExt	RSup	0.01	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00	-0.01	
4	LSup	-0.35	3.56	0.10	MidS	1.72	8.60	0.20	LSup	0.00	0.25	
3	RSup	0.36	3.56	0.10	MidS	1.75	8.61	0.20	LSup	0.00	0.26	
2	LSup	-0.36	3.56	0.10	MidS	1.75	8.61	0.20	LSup	0.00	0.26	
1	RSup	0.35	3.56	0.10	MidS	1.72	8.60	0.20	LSup	0.00	0.25	
RExt	LSup	-0.01	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00	-0.01	

LOAD ID 18 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Pressure1+Snow_Drift/:

REACTIONS:

Bay Id	Shear(k) Left Sup	Shear(k) Left Lap	Shear(k) Right Lap	Shear(k) Right Sup	Moment(f-k) Left Sup	Moment(f-k) Left Lap	Moment(f-k) MidSpan Mom	Moment(f-k) MidSpan Loc	Moment(f-k) Right Lap	Moment(f-k) Right Sup
LExt	0.00		-0.03	0.00		0.00	0.17			0.01
4	0.92		-0.92	0.01		-4.50	9.75			0.00
3	0.93		-0.93	0.00		-4.58	9.83			0.00
2	0.93		-0.93	0.00		-4.58	9.83			0.00
1	0.92		-0.92	0.00		-4.50	9.75			0.01
RExt	0.03			0.00	0.01		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Calc	Limit	UC	Moment(f-k) Loc	Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
LExt	RSup	-0.03	3.56	0.01	RSup	0.01	10.23	0.00	LSup	0.00	0.04	
4	LSup	0.92	3.56	0.26	MidS	-4.50	10.23	0.44	LSup	0.00	-0.65	
3	RSup	-0.93	3.56	0.26	MidS	-4.58	10.23	0.45	LSup	0.00	-0.68	
2	LSup	0.93	3.56	0.26	MidS	-4.58	10.23	0.45	LSup	0.00	-0.68	
1	RSup	-0.92	3.56	0.26	MidS	-4.50	10.23	0.44	LSup	0.00	-0.65	
RExt	LSup	0.03	3.56	0.01	LSup	0.01	10.23	0.00	LSup	0.00	0.04	

LOAD ID 19 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Suction1+Snow_Drift/2:

REACTIONS:

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Bay Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00			0.00	0.00		0.00	0.17		0.00
4	-0.06			0.06	0.00		0.31	9.75		0.00
3	-0.06			0.06	0.00		0.31	9.83		0.00
2	-0.06			0.06	0.00		0.31	9.83		0.00
1	-0.06			0.06	0.00		0.31	9.75		0.00
RExt	0.00			0.00	0.00		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay	Shear(k) Loc	Calc	Limit	UC	Moment(f-k) Loc	Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
LExt	RSup	0.00	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00	0.00	
4	LSup	-0.06	3.56	0.02	MidS	0.31	8.60	0.04	LSup	0.00	0.04	
3	LSup	-0.06	3.56	0.02	MidS	0.31	8.61	0.04	LSup	0.00	0.05	
2	LSup	-0.06	3.56	0.02	MidS	0.31	8.61	0.04	LSup	0.00	0.05	
1	RSup	0.06	3.56	0.02	MidS	0.31	8.60	0.04	LSup	0.00	0.04	
RExt	LSup	0.00	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00	0.00	

LOAD ID 20 - 0.9Dead+1.4Wind_Pressure1 Factored_Load:

REACTIONS:

Bay Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00			-0.01	0.00		0.00	0.17		0.00
4	0.32			-0.32	0.00		-1.55	9.75		0.00
3	0.32			-0.32	0.00		-1.57	9.83		0.00
2	0.32			-0.32	0.00		-1.57	9.83		0.00
1	0.32			-0.32	0.00		-1.55	9.75		0.00
RExt	0.01			0.00	0.00		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay	Shear(k) Loc	Calc	Limit	UC	Moment(f-k) Loc	Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
LExt	RSup	-0.01	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00	0.01	
4	LSup	0.32	3.56	0.09	MidS	-1.55	10.23	0.15	LSup	0.00	-0.23	
3	LSup	0.32	3.56	0.09	MidS	-1.57	10.23	0.15	LSup	0.00	-0.23	
2	LSup	0.32	3.56	0.09	MidS	-1.57	10.23	0.15	LSup	0.00	-0.23	
1	RSup	-0.32	3.56	0.09	MidS	-1.55	10.23	0.15	LSup	0.00	-0.23	
RExt	LSup	0.01	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00	0.01	

LOAD ID 21 - 0.9Dead+1.4Wind_Suction1 Factored_Load:

REACTIONS:

Bay Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

LExt	0.00			0.02	0.00		0.00	0.17		0.00
4	-0.67			0.67	0.00		3.26	9.75		0.00
3	-0.67			0.67	0.00		3.32	9.83		0.00
2	-0.67			0.67	0.00		3.32	9.83		0.00
1	-0.67			0.67	0.00		3.26	9.75		0.00
RExt	-0.02			0.00	0.00		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay	Shear(k)				Moment(f-k)				-Mom+Shr-		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
LExt	RSup	0.02	3.56	0.01	RSup	0.00	10.23	0.00	LSup	0.00	-0.03	
4	LSup	-0.67	3.56	0.19	MidS	3.26	8.60	0.38	LSup	0.00	0.47	
3	LSup	-0.67	3.56	0.19	MidS	3.32	8.61	0.39	LSup	0.00	0.49	
2	LSup	-0.67	3.56	0.19	MidS	3.32	8.61	0.39	LSup	0.00	0.49	
1	RSup	0.67	3.56	0.19	MidS	3.26	8.60	0.38	LSup	0.00	0.47	
RExt	LSup	-0.02	3.56	0.01	LSup	0.00	10.23	0.00	LSup	0.00	-0.03	

LOAD ID 22 - 0.9Dead+Live/2+1.4Wind_Pressure1 Factored_Load:

REACTIONS:

Bay	Shear(k)				Moment(f-k)					
	Left	Left	Right	Right	Left	Left	MidSpan		Right	Right
Id	Sup	Lap	Lap	Sup	Sup	Lap	Mom	Loc	Lap	Sup
LExt	0.00		-0.02	0.00		0.00	0.17			0.00
4	0.54		-0.54	0.00		-2.62	9.75			0.00
3	0.54		-0.54	0.00		-2.67	9.83			0.00
2	0.54		-0.54	0.00		-2.67	9.83			0.00
1	0.54		-0.54	0.00		-2.62	9.75			0.00
RExt	0.02		0.00	0.00		0.00	0.17			0.00

STRENGTH/DEFLECTION:

Bay	Shear(k)				Moment(f-k)				-Mom+Shr-		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
LExt	RSup	-0.02	3.56	0.01	RSup	0.00	10.23	0.00	LSup	0.00	0.02	
4	LSup	0.54	3.56	0.15	MidS	-2.62	10.23	0.26	LSup	0.00	-0.38	
3	LSup	0.54	3.56	0.15	MidS	-2.67	10.23	0.26	LSup	0.00	-0.40	
2	LSup	0.54	3.56	0.15	MidS	-2.67	10.23	0.26	LSup	0.00	-0.40	
1	RSup	-0.54	3.56	0.15	MidS	-2.62	10.23	0.26	LSup	0.00	-0.38	
RExt	LSup	0.02	3.56	0.01	LSup	0.00	10.23	0.00	LSup	0.00	0.02	

LOAD ID 23 - 0.9Dead+Live/2+1.4Wind_Suction1 Factored_Load:

REACTIONS:

Bay	Shear(k)				Moment(f-k)					
	Left	Left	Right	Right	Left	Left	MidSpan		Right	Right
Id	Sup	Lap	Lap	Sup	Sup	Lap	Mom	Loc	Lap	Sup
LExt	0.00		0.02	0.00		0.00	0.17			0.00

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

4	-0.45	0.45	0.00	2.18	9.75	0.00
3	-0.45	0.45	0.00	2.22	9.83	0.00
2	-0.45	0.45	0.00	2.22	9.83	0.00
1	-0.45	0.45	0.00	2.18	9.75	0.00
RExt	-0.02	0.00	0.00	0.00	0.17	0.00

STRENGTH/DEFLECTION:

Bay	Shear(k)				Moment(f-k)				-Mom+Shr-		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
LExt	RSup	0.02	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00	-0.02	
4	LSup	-0.45	3.56	0.13	MidS	2.18	8.60	0.25	LSup	0.00	0.32	
3	RSup	0.45	3.56	0.13	MidS	2.22	8.61	0.26	LSup	0.00	0.33	
2	LSup	-0.45	3.56	0.13	MidS	2.22	8.61	0.26	LSup	0.00	0.33	
1	RSup	0.45	3.56	0.13	MidS	2.18	8.60	0.25	LSup	0.00	0.32	
RExt	LSup	-0.02	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00	-0.02	

LOAD ID 24 - 0.9Dead+Snow/2+1.4Wind_Pressure1+Snow_Drift/2+Slide_Snow/2 F:

REACTIONS:

Bay	Shear(k)				Moment(f-k)					
Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00		-0.03	0.00	0.00		0.17			0.00
4	0.83		-0.83	0.00	-4.03		9.75			0.00
3	0.84		-0.84	0.00	-4.11		9.83			0.00
2	0.84		-0.84	0.00	-4.11		9.83			0.00
1	0.83		-0.83	0.00	-4.03		9.75			0.00
RExt	0.03		0.00	0.00	0.00		0.17			0.00

STRENGTH/DEFLECTION:

Bay	Shear(k)				Moment(f-k)				-Mom+Shr-		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
LExt	RSup	-0.03	3.56	0.01	RSup	0.00	10.23	0.00	LSup	0.00	0.03	
4	LSup	0.83	3.56	0.23	MidS	-4.03	10.23	0.39	LSup	0.00	-0.59	
3	RSup	-0.84	3.56	0.23	MidS	-4.11	10.23	0.40	LSup	0.00	-0.61	
2	RSup	-0.84	3.56	0.23	MidS	-4.11	10.23	0.40	LSup	0.00	-0.61	
1	RSup	-0.83	3.56	0.23	MidS	-4.03	10.23	0.39	LSup	0.00	-0.59	
RExt	LSup	0.03	3.56	0.01	LSup	0.00	10.23	0.00	LSup	0.00	0.03	

LOAD ID 25 - 0.9Dead+Snow/2+1.4Wind_Suction1+Snow_Drift/2+Slide_Snow/2 Fa:

REACTIONS:

Bay	Shear(k)				Moment(f-k)					
Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00		0.01	0.00	0.00		0.17			0.00
4	-0.16		0.16	0.00	0.77		9.75			0.00
3	-0.16		0.16	0.00	0.79		9.83			0.00

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

2	-0.16	0.16	0.00	0.79	9.83	0.00
1	-0.16	0.16	0.00	0.77	9.75	0.00
REXt	-0.01	0.00	0.00	0.00	0.17	0.00

STRENGTH/DEFLECTION:

Bay	Shear(k)				Moment(f-k)				-Mom+Shr-		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
LExt	RSup	0.01	3.56	0.00	RSup	0.00	10.23	0.00	LSup	0.00	-0.01	
4	LSup	-0.16	3.56	0.04	MidS	0.77	8.60	0.09	LSup	0.00	0.11	
3	LSup	-0.16	3.56	0.04	MidS	0.79	8.61	0.09	LSup	0.00	0.12	
2	LSup	-0.16	3.56	0.04	MidS	0.79	8.61	0.09	LSup	0.00	0.12	
1	RSup	0.16	3.56	0.04	MidS	0.77	8.60	0.09	LSup	0.00	0.11	
REXt	LSup	-0.01	3.56	0.00	LSup	0.00	10.23	0.00	LSup	0.00	-0.01	

LOAD ID 26 - 1.25Dead+1.25Collateral+0.75Snow+1.5PAT_SL_1 Factored_Load:

REACTIONS:

Bay	Shear(k)				Moment(f-k)					
Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00		-0.06	0.00		0.00	0.17			0.01
4	1.67		-1.67	0.01		-8.13	9.75			0.00
3	0.91		-0.91	0.00		-4.48	9.83			0.00
2	0.91		-0.91	0.00		-4.48	9.83			0.00
1	0.90		-0.90	0.00		-4.40	9.75			0.01
REXt	0.03		0.00	0.01		0.00	0.17			0.00

STRENGTH/DEFLECTION:

Bay	Shear(k)				Moment(f-k)				-Mom+Shr-		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
LExt	RSup	-0.06	3.56	0.02	RSup	0.01	10.23	0.00	LSup	0.00	0.06	
4	LSup	1.67	3.56	0.47	MidS	-8.13	10.23	0.79	LSup	0.00	-1.18	
3	RSup	-0.91	3.56	0.26	MidS	-4.48	10.23	0.44	LSup	0.00	-0.66	
2	LSup	0.91	3.56	0.26	MidS	-4.48	10.23	0.44	LSup	0.00	-0.66	
1	RSup	-0.90	3.56	0.25	MidS	-4.40	10.23	0.43	LSup	0.00	-0.64	
REXt	LSup	0.03	3.56	0.01	LSup	0.01	10.23	0.00	LSup	0.00	0.03	

LOAD ID 27 - 1.25Dead+1.25Collateral+0.75Snow+1.5PAT_SL_2 Factored_Load:

REACTIONS:

Bay	Shear(k)				Moment(f-k)					
Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00		-0.03	0.00		0.00	0.17			0.01
4	0.90		-0.90	0.01		-4.40	9.75			0.00
3	1.68		-1.68	0.00		-8.28	9.83			0.00
2	0.91		-0.91	0.00		-4.48	9.83			0.00
1	0.90		-0.90	0.00		-4.40	9.75			0.01

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

REXt	0.03	0.00	0.01	0.00	0.17	0.00

STRENGTH/DEFLECTION:

Bay		Shear(k)			Moment(f-k)				Mom+Shr		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
LExt	RSup	-0.03	3.56	0.01	RSup	0.01	10.23	0.00	LSup	0.00	0.03	
4	LSup	0.90	3.56	0.25	MidS	-4.40	10.23	0.43	LSup	0.00	-0.64	
3	LSup	1.68	3.56	0.47	MidS	-8.28	10.23	0.81	LSup	0.00	-1.22	
2	LSup	0.91	3.56	0.26	MidS	-4.48	10.23	0.44	LSup	0.00	-0.66	
1	RSup	-0.90	3.56	0.25	MidS	-4.40	10.23	0.43	LSup	0.00	-0.64	
REXt	LSup	0.03	3.56	0.01	LSup	0.01	10.23	0.00	LSup	0.00	0.03	

LOAD ID 28 - 1.25Dead+1.25Collateral+0.75Snow+1.5PAT_SL_3 Factored_Load:

REACTIONS:

Bay	Shear(k)				Moment(f-k)					
	Left	Left	Right	Right	Left	Left	MidSpan		Right	Right
Id	Sup	Lap	Lap	Sup	Sup	Lap	Mom	Loc	Lap	Sup
LExt	0.00		-0.03	0.00	0.00		0.17			0.01
4	0.90		-0.90	0.01	-4.40		9.75			0.00
3	0.91		-0.91	0.00	-4.48		9.83			0.00
2	1.68		-1.68	0.00	-8.28		9.83			0.00
1	0.90		-0.90	0.00	-4.40		9.75			0.01
REXt	0.03		0.00	0.01	0.00		0.17			0.00

STRENGTH/DEFLECTION:

Bay		Shear(k)			Moment(f-k)				Mom+Shr		Deflect(in)	
Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
LExt	RSup	-0.03	3.56	0.01	RSup	0.01	10.23	0.00	LSup	0.00	0.03	
4	LSup	0.90	3.56	0.25	MidS	-4.40	10.23	0.43	LSup	0.00	-0.64	
3	RSup	-0.91	3.56	0.26	MidS	-4.48	10.23	0.44	LSup	0.00	-0.66	
2	LSup	1.68	3.56	0.47	MidS	-8.28	10.23	0.81	LSup	0.00	-1.22	
1	RSup	-0.90	3.56	0.25	MidS	-4.40	10.23	0.43	LSup	0.00	-0.64	
REXt	LSup	0.03	3.56	0.01	LSup	0.01	10.23	0.00	LSup	0.00	0.03	

LOAD ID 29 - 1.25Dead+1.25Collateral+0.75Snow+1.5PAT_SL_4 Factored_Load:

REACTIONS:

Bay	Shear(k)				Moment(f-k)					
	Left	Left	Right	Right	Left	Left	MidSpan		Right	Right
Id	Sup	Lap	Lap	Sup	Sup	Lap	Mom	Loc	Lap	Sup
LExt	0.00		-0.03	0.00	0.00		0.17			0.01
4	0.90		-0.90	0.01	-4.40		9.75			0.00
3	0.91		-0.91	0.00	-4.48		9.83			0.00
2	0.91		-0.91	0.00	-4.48		9.83			0.00
1	1.67		-1.67	0.00	-8.13		9.75			0.01
REXt	0.06		0.00	0.01	0.00		0.17			0.00

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	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Calc	Limit	UC	Moment(f-k) Loc	Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
LExt	RSup	-0.03	3.56	0.01	RSup	0.01	10.23	0.00	LSup	0.00	0.03	
4	LSup	0.90	3.56	0.25	MidS	-4.40	10.23	0.43	LSup	0.00	-0.64	
3	RSup	-0.91	3.56	0.26	MidS	-4.48	10.23	0.44	LSup	0.00	-0.66	
2	LSup	0.91	3.56	0.26	MidS	-4.48	10.23	0.44	LSup	0.00	-0.66	
1	RSup	-1.67	3.56	0.47	MidS	-8.13	10.23	0.79	LSup	0.00	-1.18	
RExt	LSup	0.06	3.56	0.02	LSup	0.01	10.23	0.00	LSup	0.00	0.06	

LOAD ID 30 - 1.25Dead+1.25Collateral+0.75Snow+1.5PAT_SL_5 Factored_Load:

REACTIONS:

Bay Id	Shear(k) Left Sup	Left Lap	Right Lap	Right Sup	Moment(f-k) Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00		-0.06	0.00	0.00		0.17			0.01
4	1.67		-1.67	0.01	-8.13		9.75			0.00
3	1.68		-1.68	0.00	-8.28		9.83			0.00
2	0.91		-0.91	0.00	-4.48		9.83			0.00
1	0.90		-0.90	0.00	-4.40		9.75			0.01
RExt	0.03		0.00	0.01	0.00		0.17			0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Calc	Limit	UC	Moment(f-k) Loc	Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
LExt	RSup	-0.06	3.56	0.02	RSup	0.01	10.23	0.00	LSup	0.00	0.06	
4	LSup	1.67	3.56	0.47	MidS	-8.13	10.23	0.79	LSup	0.00	-1.18	
3	LSup	1.68	3.56	0.47	MidS	-8.28	10.23	0.81	LSup	0.00	-1.22	
2	LSup	0.91	3.56	0.26	MidS	-4.48	10.23	0.44	LSup	0.00	-0.66	
1	RSup	-0.90	3.56	0.25	MidS	-4.40	10.23	0.43	LSup	0.00	-0.64	
RExt	LSup	0.03	3.56	0.01	LSup	0.01	10.23	0.00	LSup	0.00	0.03	

LOAD ID 31 - 1.25Dead+1.25Collateral+0.75Snow+1.5PAT_SL_6 Factored_Load:

REACTIONS:

Bay Id	Shear(k) Left Sup	Left Lap	Right Lap	Right Sup	Moment(f-k) Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
LExt	0.00		-0.03	0.00	0.00		0.17			0.01
4	0.90		-0.90	0.01	-4.40		9.75			0.00
3	1.68		-1.68	0.00	-8.28		9.83			0.00
2	1.68		-1.68	0.00	-8.28		9.83			0.00
1	0.90		-0.90	0.00	-4.40		9.75			0.01
RExt	0.03		0.00	0.01	0.00		0.17			0.00

STRENGTH/DEFLECTION:

Bay	Shear(k)	Moment(f-k)	-Mom+Shr-	Deflect(in)

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Id	Loc	Calc	Limit	UC	Loc	Calc	Limit	UC	Loc	UC	Calc	Limit
LExt	RSup	-0.03	3.56	0.01	RSup	0.01	10.23	0.00	LSup	0.00	0.03	
4	LSup	0.90	3.56	0.25	MidS	-4.40	10.23	0.43	LSup	0.00	-0.64	
3	LSup	1.68	3.56	0.47	MidS	-8.28	10.23	0.81	LSup	0.00	-1.22	
2	LSup	1.68	3.56	0.47	MidS	-8.28	10.23	0.81	LSup	0.00	-1.22	
1	RSup	-0.90	3.56	0.25	MidS	-4.40	10.23	0.43	LSup	0.00	-0.64	
RExt	LSup	0.03	3.56	0.01	LSup	0.01	10.23	0.00	LSup	0.00	0.03	

LOAD ID 32 - 1.25Dead+1.25Collateral+0.75Snow+1.5PAT_SL_7 Factored_Load:

REACTIONS:

Bay Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
	Shear(k)				Moment(f-k)					
LExt	0.00			-0.03	0.00		0.00	0.17		0.01
4	0.90			-0.90	0.01		-4.40	9.75		0.00
3	0.91			-0.91	0.00		-4.48	9.83		0.00
2	1.68			-1.68	0.00		-8.28	9.83		0.00
1	1.67			-1.67	0.00		-8.13	9.75		0.01
RExt	0.06			0.00	0.01		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay Id	Loc	Shear(k) Calc	Limit	UC	Loc	Moment(f-k) Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit
LExt	RSup	-0.03	3.56	0.01	RSup	0.01	10.23	0.00	LSup	0.00	0.03	
4	LSup	0.90	3.56	0.25	MidS	-4.40	10.23	0.43	LSup	0.00	-0.64	
3	RSup	-0.91	3.56	0.26	MidS	-4.48	10.23	0.44	LSup	0.00	-0.66	
2	LSup	1.68	3.56	0.47	MidS	-8.28	10.23	0.81	LSup	0.00	-1.22	
1	RSup	-1.67	3.56	0.47	MidS	-8.13	10.23	0.79	LSup	0.00	-1.18	
RExt	LSup	0.06	3.56	0.02	LSup	0.01	10.23	0.00	LSup	0.00	0.06	

LOAD ID 33 - 1.25Dead+1.25Collateral+1.5UNB_SL_L Factored_Load:

REACTIONS:

Bay Id	Left Sup	Left Lap	Right Lap	Right Sup	Left Sup	Left Lap	MidSpan Mom	MidSpan Loc	Right Lap	Right Sup
	Shear(k)				Moment(f-k)					
LExt	0.00			-0.06	0.00		0.00	0.17		0.01
4	1.67			-1.67	0.01		-8.13	9.75		0.00
3	1.68			-1.68	0.00		-8.28	9.83		0.00
2	1.68			-1.68	0.00		-8.28	9.83		0.00
1	1.67			-1.67	0.00		-8.13	9.75		0.01
RExt	0.06			0.00	0.01		0.00	0.17		0.00

STRENGTH/DEFLECTION:

Bay Id	Loc	Shear(k) Calc	Limit	UC	Loc	Moment(f-k) Calc	Limit	UC	-Mom+Shr- Loc	UC	Deflect(in) Calc	Limit

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LExt	RSup	-0.06	3.56	0.02	RSup	0.01	10.23	0.00	LSup	0.00	0.06
4	LSup	1.67	3.56	0.47	MidS	-8.13	10.23	0.79	LSup	0.00	-1.18
3	LSup	1.68	3.56	0.47	MidS	-8.28	10.23	0.81	LSup	0.00	-1.22
2	LSup	1.68	3.56	0.47	MidS	-8.28	10.23	0.81	LSup	0.00	-1.22
1	RSup	-1.67	3.56	0.47	MidS	-8.13	10.23	0.79	LSup	0.00	-1.18
RExt	LSup	0.06	3.56	0.02	LSup	0.01	10.23	0.00	LSup	0.00	0.06

LOAD ID 34 - 1.25Dead+1.25Collateral+1.5UNB_SL_R Factored_Load:

REACTIONS:

Bay Id	Shear(k) Left Sup	Shear(k) Left Lap	Shear(k) Right Lap	Shear(k) Right Sup	Moment(f-k) Left Sup	Moment(f-k) Left Lap	Moment(f-k) MidSpan Mom	Moment(f-k) MidSpan Loc	Moment(f-k) Right Lap	Moment(f-k) Right Sup
LExt	0.00		-0.03	0.00		0.00	0.17			0.01
4	0.90		-0.90	0.01		-4.40	9.75			0.00
3	0.91		-0.91	0.00		-4.48	9.83			0.00
2	0.91		-0.91	0.00		-4.48	9.83			0.00
1	0.90		-0.90	0.00		-4.40	9.75			0.01
RExt	0.03		0.00	0.01		0.00	0.17			0.00

STRENGTH/DEFLECTION:

Bay Id	Shear(k) Loc	Shear(k) Calc	Shear(k) Limit	Shear(k) UC	Moment(f-k) Loc	Moment(f-k) Calc	Moment(f-k) Limit	Moment(f-k) UC	-Mom+Shr- Loc	-Mom+Shr- UC	Deflect(in) Calc	Deflect(in) Limit
LExt	RSup	-0.03	3.56	0.01	RSup	0.01	10.23	0.00	LSup	0.00	0.03	
4	LSup	0.90	3.56	0.25	MidS	-4.40	10.23	0.43	LSup	0.00	-0.64	
3	LSup	0.91	3.56	0.26	MidS	-4.48	10.23	0.44	LSup	0.00	-0.66	
2	RSup	-0.91	3.56	0.26	MidS	-4.48	10.23	0.44	LSup	0.00	-0.66	
1	RSup	-0.90	3.56	0.25	MidS	-4.40	10.23	0.43	LSup	0.00	-0.64	
RExt	LSup	0.03	3.56	0.01	LSup	0.01	10.23	0.00	LSup	0.00	0.03	

DEFLECTION Service_Load:

LOAD ID 35 - Dead+Collateral+Live Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Deflect(in) Limit	Ratio
LExt	0.00	0.02		
4	9.75	-0.39	1.30	0.30
3	9.83	-0.40	1.31	0.31
2	9.83	-0.40	1.31	0.31
1	9.75	-0.39	1.30	0.30
RExt	0.33	0.02		

LOAD ID 36 - Dead+Collateral Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Deflect(in) Limit	Ratio
LExt	0.00	0.00		
4	9.75	-0.08	1.30	0.06
3	9.83	-0.08	1.31	0.06

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2	9.83	-0.08	1.31	0.06
1	9.75	-0.08	1.30	0.06
RExt	0.33	0.00		

LOAD ID 37 - Dead+Live+0.3Wind_Pressure1 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio
LExt	0.00	0.02		
4	9.75	-0.39	1.95	0.20
3	9.83	-0.40	1.97	0.20
2	9.83	-0.40	1.97	0.20
1	9.75	-0.39	1.95	0.20
RExt	0.33	0.02		

LOAD ID 38 - Dead+Live+0.3Wind_Suction1 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio
LExt	0.00	0.01		
4	9.75	-0.24	1.95	0.12
3	9.83	-0.25	1.97	0.13
2	9.83	-0.25	1.97	0.13
1	9.75	-0.24	1.95	0.12
RExt	0.33	0.01		

LOAD ID 39 - Dead+Collateral+0.9Snow+0.9Snow_Drift+0.9Slide_Snow Service_:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio
LExt	0.00	0.04		
4	9.75	-0.73	1.30	0.56
3	9.83	-0.75	1.31	0.58
2	9.83	-0.75	1.31	0.58
1	9.75	-0.73	1.30	0.56
RExt	0.33	0.04		

LOAD ID 40 - Dead+0.9Snow+0.3Wind_Pressure1+0.9Snow_Drift+0.9Slide_Snow S:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio
LExt	0.00	0.04		
4	9.75	-0.73	1.95	0.37
3	9.83	-0.75	1.97	0.38
2	9.83	-0.75	1.97	0.38
1	9.75	-0.73	1.95	0.37
RExt	0.33	0.04		

LOAD ID 41 - Dead+0.9Snow+0.3Wind_Suction1+0.9Snow_Drift+0.9Slide_Snow Se:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio
LExt	0.00	0.03		
4	9.75	-0.58	1.95	0.30

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3	9.83	-0.60	1.97	0.30
2	9.83	-0.60	1.97	0.30
1	9.75	-0.58	1.95	0.30
REXt	0.33	0.03		

LOAD ID 42 - Dead+0.75Wind_Pressure1 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio
LExt	0.00	0.01		
4	9.75	-0.14	1.95	0.07 W
3	9.83	-0.14	1.97	0.07 W
2	9.83	-0.14	1.97	0.07 W
1	9.75	-0.14	1.95	0.07 W
REXt	0.33	0.01		

LOAD ID 43 - Dead+0.75Wind_Suction1 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio
LExt	0.00	-0.01		
4	9.75	0.24	1.95	0.12 W
3	9.83	0.25	1.97	0.12 W
2	9.83	0.25	1.97	0.12 W
1	9.75	0.24	1.95	0.12 W
REXt	0.33	-0.01		

LOAD ID 44 - Dead+Live/2+0.75Wind_Pressure1 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio
LExt	0.00	0.02		
4	9.75	-0.29	1.95	0.15
3	9.83	-0.30	1.97	0.15
2	9.83	-0.30	1.97	0.15
1	9.75	-0.29	1.95	0.15
REXt	0.33	0.02		

LOAD ID 45 - Dead+Live/2+0.75Wind_Suction1 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio
LExt	0.00	0.00		
4	9.75	0.08	1.95	0.04
3	9.83	0.08	1.97	0.04
2	9.83	0.08	1.97	0.04
1	9.75	0.08	1.95	0.04
REXt	0.33	0.00		

LOAD ID 46 - Dead+Collateral+0.45Snow+0.75Wind_Pressure1+0.45Snow_Drift+0:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio
LExt	0.00	0.03		

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4	9.75	-0.51	1.95	0.26
3	9.83	-0.53	1.97	0.27
2	9.83	-0.53	1.97	0.27
1	9.75	-0.51	1.95	0.26
REXT	0.33	0.03		

LOAD ID 47 - Dead+Collateral+0.45Snow+0.75Wind_Suction1+0.45Snow_Drift+0.:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio
LEXT	0.00	0.01		
4	9.75	-0.13	1.95	0.07
3	9.83	-0.14	1.97	0.07
2	9.83	-0.14	1.97	0.07
1	9.75	-0.13	1.95	0.07
REXT	0.33	0.01		

LOAD ID 48 - 0.75Wind_Pressure1 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio
LEXT	0.00	0.01		
4	9.75	-0.10	1.95	0.05 W
3	9.83	-0.11	1.97	0.06 W
2	9.83	-0.11	1.97	0.06 W
1	9.75	-0.10	1.95	0.05 W
REXT	0.33	0.01		

LOAD ID 49 - 0.75Wind_Suction1 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio
LEXT	0.00	-0.01		
4	9.75	0.27	1.95	0.14 W
3	9.83	0.28	1.97	0.14 W
2	9.83	0.28	1.97	0.14 W
1	9.75	0.27	1.95	0.14 W
REXT	0.33	-0.01		

LOAD ID 50 - 0.45Snow+PAT_SL_1 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio
LEXT	0.00	0.04		
4	9.75	-0.65	1.30	0.50 L
3	9.83	-0.34	1.31	0.26 L
2	9.83	-0.34	1.31	0.26 L
1	9.75	-0.33	1.30	0.25 L
REXT	0.33	0.02		

LOAD ID 51 - 0.45Snow+PAT_SL_2 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio
LExt	0.00	0.02		
4	9.75	-0.33	1.30	0.25 L
3	9.83	-0.67	1.31	0.51 L
2	9.83	-0.34	1.31	0.26 L
1	9.75	-0.33	1.30	0.25 L
RExt	0.33	0.02		

LOAD ID 52 - 0.45Snow+PAT_SL_3 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio
LExt	0.00	0.02		
4	9.75	-0.33	1.30	0.25 L
3	9.83	-0.34	1.31	0.26 L
2	9.83	-0.67	1.31	0.51 L
1	9.75	-0.33	1.30	0.25 L
RExt	0.33	0.02		

LOAD ID 53 - 0.45Snow+PAT_SL_4 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio
LExt	0.00	0.02		
4	9.75	-0.33	1.30	0.25 L
3	9.83	-0.34	1.31	0.26 L
2	9.83	-0.34	1.31	0.26 L
1	9.75	-0.65	1.30	0.50 L
RExt	0.33	0.04		

LOAD ID 54 - 0.45Snow+PAT_SL_5 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio
LExt	0.00	0.04		
4	9.75	-0.65	1.30	0.50 L
3	9.83	-0.67	1.31	0.51 L
2	9.83	-0.34	1.31	0.26 L
1	9.75	-0.33	1.30	0.25 L
RExt	0.33	0.02		

LOAD ID 55 - 0.45Snow+PAT_SL_6 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio
LExt	0.00	0.02		
4	9.75	-0.33	1.30	0.25 L
3	9.83	-0.67	1.31	0.51 L
2	9.83	-0.67	1.31	0.51 L
1	9.75	-0.33	1.30	0.25 L
RExt	0.33	0.02		

LOAD ID 56 - 0.45Snow+PAT_SL_7 Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11		
		Vars/ON/K0A 3H0		

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio	
LExt	0.00	0.02			
4	9.75	-0.33	1.30	0.25	L
3	9.83	-0.34	1.31	0.26	L
2	9.83	-0.67	1.31	0.51	L
1	9.75	-0.65	1.30	0.50	L
RExt	0.33	0.04			

LOAD ID 57 - UNB_SL_L Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio
LExt	0.00	0.04		
4	9.75	-0.65	1.30	0.50
3	9.83	-0.67	1.31	0.51
2	9.83	-0.67	1.31	0.51
1	9.75	-0.65	1.30	0.50
RExt	0.33	0.04		

LOAD ID 58 - UNB_SL_R Service_Load:

Bay Id	Offset (ft)	Deflect(in) Calc	Limit	Ratio	
LExt	0.00	0.02			
4	9.75	-0.33	1.30	0.25	L
3	9.83	-0.34	1.31	0.26	L
2	9.83	-0.34	1.31	0.26	L
1	9.75	-0.33	1.30	0.25	L
RExt	0.33	0.02			

011467_RF Web Crippling 3/26/24 3:24pm

PURLIN ON SURFACE 2

FrameLine Id	Type	Id	Design_Load Reaction (k)	Moment (f-k)	Required_For_UC=1.00 Width (in)	WebCrp (k)	WebCrp UC	WebCrp+Mom UC
1	EW	26	2.78	0.02	9.96	2.61	1.06	0.73
2	RF	9	4.18	8.74	8.66	4.18	1.00	0.99
		9	4.18	8.74	8.66	4.18	1.00	0.99
3	RF	31	3.49	6.40	4.66	3.51	1.00	0.86
		31	3.49	6.40	4.66	3.51	1.00	0.86
4	RF	9	4.18	8.74	8.66	4.18	1.00	0.99
		9	4.18	8.74	8.66	4.18	1.00	0.99
5	EW	29	2.78	0.02	9.96	2.61	1.06	0.73

011467_RF Strut Bolts 3/26/24 3:24pm

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11		
		Vars/ON/K0A 3H0		

RAFTER CONNECTION:

Location	Purlin	Back_SW Eave Strut	Front_SW Eave Strut
Left EW	Direct Bolt	Direct Bolt	Direct Bolt
RF	Direct Bolt	Direct Bolt	Direct Bolt
Right EW	Direct Bolt	Direct Bolt	Direct Bolt

EAVE STRUTS:

Wall Id	Frm_Line Id	Type	Bolt_Selected No.	Type	Dia	Wshr	Bolt_Capacity(k) Calc	Shear	Bear	Ratio	Dt_Bolt Id
2	1	EW	2	A325T	0.500	0	1.48	15.79	5.39	0.27	77
2	2	RF	3	A325T	0.500	0 ##	5.15	23.68	8.08	0.64	77
2	3	RF	3	A325T	0.500	0 ##	5.15	23.68	8.08	0.64	77
2	4	RF	1	A325T	0.500	0	1.48	7.89	2.69	0.55	77
2	5	EW	2	A325T	0.500	0	1.48	15.79	5.39	0.27	77
4	1	EW	2	A325T	0.500	0	1.18	15.79	5.39	0.22	77
4	2	RF	3	A325T	0.500	0 ##	5.14	23.68	8.08	0.64	77
4	3	RF	3	A325T	0.500	0 ##	5.14	23.68	8.08	0.64	77
4	4	RF	1	A325T	0.500	0	1.18	7.89	2.69	0.44	77
4	5	EW	2	A325T	0.500	0	1.18	15.79	5.39	0.22	77

PURLINS:

Surf Id	Frm_Line Id	Type	Brace Loc	Bolt_Selected No.	Type	Dia	Wshr	Bolt_Capacity(k) Shear Calc	Shear Limit	Bear Calc	Bear Limit	Ratio	Dt_Bolt Id
2	1	EW	13.00	2	A307	0.500	0	2.10	7.85	2.10	5.79	0.36	71
2	2	RF	13.00	2	A307	0.500	0	3.65	7.85	2.75	11.58	0.47	71
2	3	RF	13.00	2	A307	0.500	0	3.65	7.85	2.20	11.58	0.47	71
2	4	RF	13.00	2	A307	0.500	0	2.10	7.85	2.10	11.58	0.27	71
2	5	EW	13.00	2	A307	0.500	0	2.10	7.85	2.10	5.79	0.36	71
2	1	EW	26.00	2	A307	0.500	0	2.24	7.85	2.24	5.79	0.39	71
2	2	RF	26.00	2	A307	0.500	0	3.65	7.85	2.72	11.58	0.47	71
2	3	RF	26.00	2	A307	0.500	0	3.65	7.85	2.69	11.58	0.47	71
2	4	RF	26.00	2	A307	0.500	0	2.24	7.85	2.24	11.58	0.29	71
2	5	EW	26.00	2	A307	0.500	0	2.24	7.85	2.24	5.79	0.39	71

##NOTE : Not standard bolt connection

011467_RF Roof Panel Zones 3/26/24 3:24pm

PANEL:

Part	Thick (in)	Yield (ksi)	Tensile Strength (ksi)

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

26 PBR 0.019 80.00 104.0

PURLIN SCREWS:

Part	Dia (in)	Washer (in)	Limit (k)
#12x1.50	0.250	0.50	1.00

PANEL ZONE LAYOUT:

Surf Id	Zone Id	Description	Locate(ft) Start	Locate(ft) End	Surface(ft) Offset1	Surface(ft) Offset2	Bay Id	Purlin(ft,in) Load Id	Purlin(ft,in) Width	Purlin(ft,in) Min Thick	Panel Zone (ft)
2	1	Interior	0.00	80.00	0.00	40.14	4	8	4.35	0.072	4.35
2	3	Lt edge	0.00	8.00	8.00	32.14	1	2	4.35	0.072	4.35
2	4	Top edge	8.00	72.00	0.00	4.00	4	1	4.35	0.072	4.35
2	5	Rt edge	72.00	80.00	8.00	32.14	4	2	4.35	0.072	4.35
2	6	Bot edge	16.00	64.00	32.14	40.14	4	8	4.35	0.072	4.35
2	7	Lt top corner	0.00	8.00	0.00	8.00	1	1	4.35	0.072	4.35
2	8	Rt top corner	72.00	80.00	0.00	8.00	4	1	4.35	0.072	4.35
2	9	Rt bot corner	64.00	80.00	32.14	40.14	4	8	4.35	0.072	4.35
2	10	Lt bot corner	0.00	16.00	32.14	40.14	1	8	4.35	0.072	4.35

PURLIN SCREW CHECK:

Surf Id	Zone Id	Screw Space (ft)	Wind Suction (psf)	Load (k)	Limit(k) Purlin Pullout	Limit(k) Panel Pullover	Limit(k) Screw Tension	Max UC
2	1	0.00	28.17	0.00	0.44	0.59	0.32	0.00
2	3	0.00	40.00	0.00	0.44	0.59	0.32	0.00
2	4	0.00	34.65	0.00	0.44	0.59	0.32	0.00
2	5	0.00	40.00	0.00	0.44	0.59	0.32	0.00
2	6	0.00	40.00	0.00	0.44	0.59	0.32	0.00
2	7	0.00	44.51	0.00	0.44	0.59	0.32	0.00
2	8	0.00	44.51	0.00	0.44	0.59	0.32	0.00
2	9	0.00	60.56	0.00	0.44	0.59	0.32	0.00
2	10	0.00	60.56	0.00	0.44	0.59	0.32	0.00

BASE SCREWS:

Part	Dia (in)	Washer (in)	Limit (k)
SSS125	0.25	0.50	1.00

BASE SCREW CHECK:

Wall Id	Base Length (ft)	Screw Space (ft)	Force/Screw Wind (k)	Force/Screw Seis (k)	Shear Limit (k)	Max UC

	Job No	011467_RF	**Date**	3/26/2024
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	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

2	56.67	0.00	0.000	0.000	0.400	Panel Shear Not Used
4	80.00	0.00	0.000	0.000	0.400	Panel Shear Not Used

011467_RF Weight Summary 3/26/24 3:24pm

Description		Weight (psf)
Roof Purlins	=	3454.72
Eave Struts	=	592.50
Roof Bracing	=	96.46
Wall Bracing	=	109.30
Total	=	4252.97

011467_RF Warning Summary 3/26/24 3:24pm

.. No Warnings

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11		
		Vars/ON/K0A 3H0		

```
*========================================================================
*011467_RF            Rigid Frame Design Input                  3/26/24  3:25pm
*========================================================================

*( 1)JOBID:
    '011467_RF'

*( 2)FRAME DESIGN OPTIONS:
*--Frame-    -------Frame_Space-------  Section  Web_Stiffener     P
*Id  Type      L_Col    R_Col   Rafter    Space  Use Ratio Side  Delta
  1 'RF '    20.0000  20.0000  20.0000   5.0000  'N'  0.00 'Y '  '4 '

*( 3)OPTIMIZATION OPTIONS:
*Plate  Depth  Frame  -L_Col_Depth_Opt-  -R_Col_Depth_Opt-    Rafter_Depth_Opt
* Opt    Opt    Sym   Typ    Min    Max  Typ    Min    Max   Typ    Min    Max
  'Y'    'Y'    'N'  'T '  11.00  60.00 'T '  11.00  60.00  'T '  12.00  60.00

*( 4)DESIGN CODE:
*Design  ---Steel_Code---             ---Build---   Code      Seismic
* Code   Cold       Hot      Country  Code   Year   Label      Zone
  'LS ' 'NACN12  ' 'CSA14 '  '----'  'NBC '  '15'  'ONBC 19 '  'D  '

*( 5)DESIGN CONSTANTS:
*                        ---Strength_Factor---
* ----Stress_Ratio----           ---Seismic---
* Frame  Col   EP   BP     Wind   Frame  SpcEP
   1.00 1.00 1.00 1.00   1.0000  1.0000 1.0000

*( 6)STEEL YIELDS:
* Web   Flg  C_Sec  W_Sec  R_Sec  P_Sec  T_Sec  U_Sec    EP     BP
 55.0  55.0   55.0   55.0   50.0   46.0   46.0   36.0  55.0   55.0

*( 7)DEFLECTION LIMITS:
* ------Vertical-----  -------Horizontal-------  -Weak_Axis-
*  Live   Wind  Total  Total  Seis  Crane Floor   Wind  Seis
  180.0    0.0    0.0    60.  40.0  100.0   0.0   60.0  40.0

*( 8)REPORTS:
* Input Design   End  Base  Revise Action Sec  Flange Segment Unbrc Floor  Diag
* Echo  Summary Plate Plate Input  Stress Prop Brace  Displ.   Len  React Brace
  'I'    'Y'     'Y'   'Y'   'Y'    'N'   'N'   'Y'     'N'    'N'   'N'   'N'

*( 9)SURFACE SHAPE:
* No.    X_Coord   Y_Coord  Offset
   3      0.0000   17.0000   8.000
         40.0000   20.3333  10.000
         40.0000    0.0000   8.000

*(10)MEMBER DEPTHS:
*Surf   ----Depth----        --Interior_Depth-
* Id    Start     End  No.    Locate     Depth
   1   11.000  18.000   0
   2   18.000  20.000   1    20.1386    17.000
```

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11		
		Vars/ON/K0A 3H0		

```
   3   20.000  11.000   0

*(11)MEMBER SPLICES:
*Surf
* Id   No.    Locate   Type
   1    0
   2    1     0.0000  'VEE '
   3    1     0.0000  'VEE '

*(12)SEGMENT PLATES:
*    Surf Mem ---Segment--    Member      Flange  ----Plate_Thickness---
*No.  Id   Id  Id   Length    Part         Width     Web  OS_Flg  IS_Flg
   4   1    1   1   0.0000   '--------'    6.000  0.1490  0.2500  0.2500
       2    2   2   0.0000   '--------'    6.000  0.1875  0.2500  0.2500
       2    3   3   0.0000   '--------'    6.000  0.1875  0.2500  0.2500
       3    4   4   0.0000   '--------'    6.000  0.1490  0.2500  0.2500

*(13)INTERIOR COLUMNS:
*      --------Column-------  Cap   Rafter   Unbrace_Length  ----Column---
* No.  Id  Typ  Rot   Locate  Conn   Opt     Major    Minor  Set  Part
   0

*(14)INTERIOR COLUMN PLATES:
* -Column- -----Depth----  No.    Start  ---Web_Depth--     Web    Flg  --Thickness--
* Id Shape    Min     Max  Mem   Locate   Start     End   Thick  Width  OS_Flg IS_Flg

*(15)INTERIOR COLUMN SPLICES:
*         Col
* No. Id   Id    Locate  Type
   0

*(16)BASE & WALL OPTIONS:
*----------Base----------      Open  Brace
* Id   Conn   Opt    Elev    Height   Opt
   1   'P '   '-'  0.0000    0.0000   '-'   Left  Column
   2   'P '   '-'  0.0000    0.0000   '-'   Right Column

*(17)BASE DISPLACEMENT:
*Base
* Id   Opt  Dir  Displace
   0   '-'  '-'    0.000

*(18)BASE SPRINGS:
*      Base         --Spring_Constants--
* No.   Id    Elev    Horz   Vert Rotate
   0

*(19)WALL GIRT:
*Surf                                      Bay
* Id  Type  Part       Depth   Proj     Lap  Id  No.  Locate Type
   1  'ZB' '8x25Z16 '  8.000  0.000  1.8750   4   2   7.5000 'ZB'
                                                   14.0000 'ZB'

   3  'ZB' '8x25Z16 '  8.000  0.000  1.8750   2   2   7.5000 'ZB'
```

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

14.0000 'ZB'

*(20)ROOF PURLIN DESIGN:
*Surf
* Id Type Part Depth Proj Lap
2 'ZB' '10x25Z14' 10.000 0.000 1.8750

*(21)ROOF PURLINS:
*Surf Peak
* Id Space No. Locate
2 1.0000 9 4.3487 8.6975 13.0462 17.3949 21.7437 26.0924 30.4412
34.7899 39.1387

*(22)FLANGE BRACE:
*Surf Locate Side
* Id No. Id Opt
1 2 1 '-'
2 '-'
2 9 1 '-'
2 '-'
3 '-'
4 '-'
5 '-'
6 '-'
7 '-'
8 '-'
9 '-'
3 2 1 '-'
2 '-'

*(23)COLUMN ADDITIONAL BRACE LOCATIONS:
* Col -Minor-
*No. Id Height Major Out In
0

*(24)EXTENSIONS:
*Surf ----Horizontal_Size---- -----Vertical_Size----- Load
* Id No. Id Type Opt Elev Width Slope Elev Height Slope Width
1 0
3 0

*(25)BASIC LOADS:
* ---Deflection---
* Dead Collat Live Snow Rain Basic Load_Ratio Temperature
* Load Load Load Load Load Wind Snow Wind Seis Change
2.20 3.00 21.00 48.49 0.00 7.74 0.90 0.75 1.95 0.0

*(26)BASIC LOADS AT EAVE:
*Seismic --Torsion-- -EW_Brace-- --Extension-- -Additional-
* Load Wind Seis Wind Seis Wind Seis Wind Seis
1.39 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

*(27)WIND COEFFICIENT:

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11		
		Vars/ON/K0A 3H0		

*Surf	--Wind_1---		--Wind_2---		--Wind_3---		--Wind_4---		Long_Wind		Surface
* Id	Left	Right	Left	Right	Left	Right	Left	Right	1	2	Friction
1	0.15	-1.15	1.65	0.35	0.00	0.00	0.00	0.00	-1.45	-1.45	0.00
2	-1.90	-1.30	-0.40	0.20	0.00	0.00	0.00	0.00	-1.90	-1.90	0.00
3	-1.15	0.15	0.35	1.65	0.00	0.00	0.00	0.00	-1.45	-1.45	0.00

*(28)LONGITUDINAL & WEAK AXIS BRACING LOADS:

*----Wind-----		---Seismic---		-Weak_Axis-			
* Horz	Vert	Horz	Vert	Wind	Seis		
1.99	1.51	5.65	4.29	0.00	0.00	Left	Column
2.14	1.98	5.71	5.28	0.00	0.00	Right	Column

*(29)DESIGN LOADS:Factored_Load

*

----------Load_Coefficients----------

*		---Live---		-Add_Snow-			--Wind_1--		--Wind_2--			
--Wind_3--	--Wind_4--	Long_Wind		-Seismic--			Aux_Load					
*No.	Id	Dead	Coll	Roof	Floor	Snow	Drift	Slide	Rain	Lt	Rt	Lt	Rt	Lt
Rt	Lt	Rt		1	2	Long	Tran	Temp	Id	Coeff					
106	1	1.25	1.25	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00					
	2	1.25	1.25	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00					
	3	1.40	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00					
	4	1.40	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00					
	5	1.25	1.25	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00					
	6	1.25	1.25	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00					
	7	1.25	1.25	1.50	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00					
	8	1.25	1.25	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00					
	9	1.25	1.25	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00					
	10	1.25	1.25	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00					
	11	1.25	1.25	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	-0.40	0.00	0.00	0.00	0.00	0	0.00					
	12	1.25	1.25	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.40	0.00	0.00	0.00	0.00	0	0.00					
	13	1.25	1.25	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	-0.40	0.00	0.00	0.00	0	0.00					
	14	1.25	1.25	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.00	0	0.00					
	15	0.90	0.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00					
	16	0.90	0.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00					
	17	0.90	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00					

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11		
		Vars/ON/K0A 3H0		

| | | | |

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

45	0.90	0.00	0.00	0.00	1.50	1.50	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46	0.90	0.00	0.00	0.00	1.50	1.50	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47	1.25	1.25	0.00	0.00	0.00	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48	1.25	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49	1.25	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	1.25	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00	0.00	0.00
51	1.25	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52	1.25	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53	1.25	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54	1.25	1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	1.25	1.25	0.50	0.00	0.00	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56	1.25	1.25	0.50	0.00	0.00	0.00	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57	1.25	1.25	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58	1.25	1.25	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00	0.00	0.00
59	1.25	1.25	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	1.25	1.25	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61	1.25	1.25	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62	1.25	1.25	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63	1.25	1.25	0.00	0.00	0.50	0.50	0.50	0.00	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
64	1.25	1.25	0.00	0.00	0.50	0.50	0.50	0.00	0.00	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	1.25	1.25	0.00	0.00	0.50	0.50	0.50	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
66	1.25	1.25	0.00	0.00	0.50	0.50	0.50	0.00	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00	0.00	0.00
67	1.25	1.25	0.00	0.00	0.50	0.50	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68	1.25	1.25	0.00	0.00	0.50	0.50	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69	1.25	1.25	0.00	0.00	0.50	0.50	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	1.25	1.25	0.00	0.00	0.50	0.50	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

| | | | |

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

```
        99  1.00 1.00  0.00  0.00  0.25  0.25  0.25  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  0.00  1.00  0.00    0   0.00
       100  1.00 1.00  0.00  0.00  0.25  0.25  0.25  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  0.00 -1.00  0.00    0   0.00
       101  1.00 1.00  0.00  0.00  0.25  0.25  0.25  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  1.00  0.00  0.00    0   0.00
       102  1.00 1.00  0.00  0.00  0.25  0.25  0.25  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00 -1.00  0.00  0.00    0   0.00
       103  1.25 1.25  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00    1   1.50
       104  1.25 1.25  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00    1   1.50
       105  1.25 1.25  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00    2   1.50
       106  1.25 1.25  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00    2   1.50

*(30)DESIGN LOADS:Service_Load
*
-----------------------------------------------------Load_Coefficients------------------
-----------------------------------
*                      ---Live---        -Add_Snow-        --Wind_1--  --Wind_2--
--Wind_3--  --Wind_4--   Long_Wind  -Seismic--         Aux_Load
*No.    Id  Dead Coll  Roof Floor  Snow Drift Slide  Rain    Lt    Rt    Lt    Rt    Lt
  Rt    Lt    Rt     1     2  Long  Tran  Temp  Id  Coeff
  78  107  1.00 1.00  1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00    0   0.00
       108  1.00 1.00  1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00    0   0.00
       109  1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00    0   0.00
       110  1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00    0   0.00
       111  1.00 1.00  0.00  0.00  0.50  0.50  0.50  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00    0   0.00
       112  1.00 1.00  0.00  0.00  0.50  0.50  0.50  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00    0   0.00
       113  1.00 0.00  1.00  0.00  0.00  0.00  0.00  0.00  0.40  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00    0   0.00
       114  1.00 0.00  1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.40  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00    0   0.00
       115  1.00 0.00  1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.40  0.00  0.00
0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00    0   0.00
       116  1.00 0.00  1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.40  0.00
0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00    0   0.00
       117  1.00 0.00  1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.40  0.00  0.00  0.00  0.00    0   0.00
       118  1.00 0.00  1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00 -0.40  0.00  0.00  0.00  0.00    0   0.00
       119  1.00 0.00  1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.40  0.00  0.00  0.00    0   0.00
       120  1.00 0.00  1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00 -0.40  0.00  0.00  0.00    0   0.00
       121  1.00 1.00  0.00  0.00  1.00  1.00  1.00  0.00  0.00  0.00  0.00  0.00  0.00
```

| | | |

	Job No	011467_RF	**Date**	3/26/2024	
	Customer	Norsteel Buildings	**Designed By**	MQZ	
	Description	2040503 Ontario Inc/NS24-11			
		Vars/ON/K0A 3H0			

| | | | | |

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

```
0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00   0   0.00
      176  0.00 0.00  0.00  0.00  1.00  1.00  1.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00   0   0.00
      177  1.00 0.00  0.00  0.00  0.50  0.50  0.50  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00   0   0.00
      178  1.00 0.00  0.00  0.00  0.50  0.50  0.50  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00   0   0.00
      179  0.00 0.00  0.00  0.00  1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00   0   0.00
      180  0.00 0.00  0.00  0.00  1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00   0   0.00
      181  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00   1   0.90
      182  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00   1   0.90
      183  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00   2   0.90
      184  1.00 1.00  0.00  0.00  0.01  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00   2   0.90

*(31)DESIGN LOADS:Special
*
----------------------------------------------------Load_Coefficients-----------------
-----------------------------------
*                                        ---Live---        -Add_Snow-        --Wind_1--
--Wind_2--  --Wind_3--  --Wind_4--   Long_Wind  -Seismic--         Aux_Load
*No.   Id  Use  Code        Dead Coll  Roof Floor  Snow Drift Slide  Rain    Lt    Rt
 Lt    Rt    Lt    Rot   Lt    Rt     1     2  Long  Tran  Temp  Id  Coeff
   8  185 'EP' '---------'  1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  1.95  0.00   0   0.00
      186 'EP' '---------'  1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -1.95  0.00   0   0.00
      187 'EP' '---------'  1.00 1.00  0.00  0.00  0.25  0.25  0.25  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  1.95  0.00   0   0.00
      188 'EP' '---------'  1.00 1.00  0.00  0.00  0.25  0.25  0.25  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -1.95  0.00   0   0.00
      189 'EP' '---------'  1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  1.95  0.00  0.00   0   0.00
      190 'EP' '---------'  1.00 1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -1.95  0.00  0.00   0   0.00
      191 'EP' '---------'  1.00 1.00  0.00  0.00  0.25  0.25  0.25  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  1.95  0.00  0.00   0   0.00
      192 'EP' '---------'  1.00 1.00  0.00  0.00  0.25  0.25  0.25  0.00  0.00  0.00
0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00 -1.95  0.00  0.00   0   0.00

*(32)AUXILIARY LOAD:
*                          No._Add  --Add_Comb-
*No.   Id   Name            Loads   Id    Coeff
   2    1  'F1UNB_SL_L'       2     1     1.00
                                     2     0.50
        2  'F1UNB_SL_R'       2     1     0.50
                                     2     1.00

*(33)ADDITIONAL LOADS:
```

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11		
		Vars/ON/K0A 3H0		

```
*     Add   Loc  Basic         Load        Fx         Fy       Mom         Dx         Dy  ..
Conc
*No.   Id   Id   Load          Type        W1         W2        Co        Dl1        Dl2  ..
Dist
   2    1    2  'U_SNOW    '  'D '   -0.963     -0.963     0.083     0.0000    20.0693
        2    2  'U_SNOW    '  'D '   -0.963     -0.963     0.083    20.0693    40.1386

*(34)FLOOR BEAMS:
*Bay                       Con_Type   Con_Loc     --Properties--
* Id   No.  Id   Height    Lt    Rt   Lt    Rt    Area       Ixx
   1    0

*(35)DIAGONAL BRACING:
*Bay
* Id   No.     Id   Level   Opt    Area
   1    0

*(36)CRANE BRACKET:
*        Span ----Crane----  ----Beam----    ----Offset----  -----Bracket------  Col_Sup
*No. Id Lt Rt Type   Height  Depth  Width     Left    Right  Type Opt  Select     Lt
Rt    Load
  0

*(37)FRAME OPTIONS/FRAME LINES:
*Moment  Frame   Frame
*Frame   Option  Option_Id       No.    Frame_Line_Id
  'OMF'   '-'   '            '     3       2   3   4

*(38)DESIGN PLATES:
*     ----Plate---   --Plate_Size-   Bolt   Bolt  ----Top---  --Bottom--   Bolt
*No.  Type      Id   Width   Thick    Dia   Gage  Row  Space  Row  Space  Gage2
  0

*(39)SPECIAL FAB DATA
*             Piece
*No.   Id     Key
  0

*(40)ENDWALL COLUMNS:
*Wall   Expand_EW                                      Max_Deflect
* Id   Use  Offset    No.   Locate  Offset  Option   Down     Up
   1  'N '   0.000     0
   3  'N '   0.000     0

*(41)JACK BEAMS:
*                                                  Spring_Constant
*No.    Id   Offset   Height   Length   Part        Horz    Vert
  0

*(42)LINER:
*---Wall_Height---
*    F_SW     B_SW  Roof
   0.0000   0.0000  'N'
```

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11		
		Vars/ON/K0A 3H0		

```
*(43)STEPPED LOAD COEFFICIENTS:
*     Basic    Loc   No.  ----Step_1---   ----Step_2---   ----Step_3---
*No.  Load      Id  Step  Locate   Coef   Locate   Coef   Locate   Coef
  0

*(44)ADDITIONAL COLUMNS:
*No.  Id  Type  Rot  Opt  Part           Elev
  0

*(45)DESIGN CODE OPTIONS:
*No.   Event                         Condition
  0

*AUXILIARY LOAD DESCRIPTIONS:
* Aux
*  Id  Description
*   1  Unbalanced snow load left
*   2  Unbalanced snow load right
*
*ADDITIONAL LOAD DESCRIPTIONS:
* Add
*  Id  Description
*   1  Unbalanced load surface 2
*   2  Unbalanced load surface 2
*
* Code files used:
*   ON_ONBC.19LN
*   RF_NBC.15LN Version 4.0
*
*DS_RFDEP.Siz
*Surface  Span  --Required-   -----------Selected----------
*  Id      Id   Type   Span   Type   Span  #Depth  #Splice
*   1       1    W     17.0    No record selected
*   2       1    S     40.0    S     40.0     1       0
*   3       1    W     20.3    No record selected

* Frame Symmetry Changed to 'N' due to:
*   # of Surfaces
*
* Calculated Seismic Mass, W = 17.08 k
================================================================================
 011467_RF           Frame  1 - Design Code                    3/26/24  3:25pm
================================================================================

 STRUCTURAL CODE:
 ----------------
   Design Basis      : LS  - Limit States
   Hot  Rolled Steel : CSA14
   Cold Formed Steel : NACN12

 BUILDING CODE:
 --------------
   Wind Code         : ONBC 19  (NBC  15)
   Seismic Zone      : D
```

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

MODULUS OF ELASTICITY:

Hot Rolled Steel :	29007 (ksi)
Cold Formed Steel :	29500 (ksi)

011467_RF Frame 1 - Base Plates and Anchor Bolt 3/26/24 3:25pm

DESIGN CONSTANTS:

Base Plate Yield	= 55.00 (ksi)	
Concrete Bearing	= 1.57 (ksi)	(Factored by 1.5 for Limit States)
Bolt Type	= A307	
Bolt Shear Stress	= 16.73 (ksi)	
Bolt Tension Stress	= 33.87 (ksi)	

BASE PLATE & BOLT SIZE:

Column Id	Base Typ	Base Depth	Base Elev	Plate Width	Plate Length	Plate Thick	Bolts(A307) Dia	Bolts(A307) Row	Bolts(A307) Space	Bolts(A307) Gage	Req Thick	Req Dia	Max Bolt UC
Left	P	11.6	0.0	8.0	12.00	0.500	0.750	2	4.00	4.00	0.297	0.483	0.42
Right	P	11.6	0.0	8.0	12.00	0.500	0.750	2	4.00	4.00	0.313	0.471	0.39

BASE REACTIONS:

Column Id	-Max_Comp- Ld	Fy(k)	Max_Tension+Shear Tens Ld	Shear Fy(k)	Shear Fx(k)	-Max_Shear Ld	Fx(k)	Max_Shear+Tension Shear Ld	Fx(k)	Tens Fy(k)
Left	32	32.9	78	-8.7	2.9	30	9.3	97	5.7	-1.5
Right	27	33.1	76	-9.7	3.0	29	8.8	97	5.7	-2.4

WELDS:

Base Id	Outside_Flange_To_Base Size	Typ	Shear(k/in) Calc	Limit	Inside_Flange_To_Base Size	Typ	Shear(k/in) Calc	Limit	-----Web_To_Base----- Size	Typ	Shear(k/in) Calc	Limit
Left	0.188	F1	0.73	4.17	0.188	F1	0.73	4.17	0.125	F2	0.42	2.79
Right	0.188	F1	0.81	4.17	0.188	F1	0.81	4.17	0.125	F2	0.40	2.79

LOAD COMBINATIONS:

27 - 1.25Dead+1.25Collateral+1.5Snow+1.5Snow_Drift+1.5Slide_Snow
29 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Left1+1.5Snow_Drift+1.5Slide_Snow

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

30 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Right1+1.5Snow_Drift+1.5Slide_Snow
32 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Right2+1.5Snow_Drift+1.5Slide_Snow
76 - 0.9Dead+1.4Wind_Long1
78 - 0.9Dead+1.4Wind_Long2
97 - Dead+Collateral+Seismic_Long

011467_RF Frame 1 - Bolted-End-Plates 3/26/24 3:25pm

DESIGN CONSTANTS:

Splice Yield = 55.00 (ksi)
Bolt Type = A325 Snug-Tightened
Bolt Shear Stress = 40.20 (ksi)
Bolt Tension Stress = 71.79 (ksi)

PLATE SIZE:

Splice Id	Typ	Member Locate	Web Depth	Splice(in) Width	Thick	Bolts(A325) Dia	Gage	Gage2	RowT	SpaceT	RowB	SpaceB	RowI
1	VEE	1- 2	18.00	6.0	0.625	0.625	3.00	3.00	2	4.50	2	4.50	0
2	VEE	3- 4	20.00	6.0	0.625	0.625	3.00	3.00	2	4.50	2	4.50	0

PLATE DESIGN:

Splice Id	Ten Typ	Load Loc	Max_Moment Load Id	Axial (k)	Shear (k)	Moment (f-k)	Max_Shear Load Id	Axial (k)	Shear (k)	Moment (f-k)	Req Thick	Req Dia	Bolt UC
1	VEE	Top	32	9.4	29.3	113.5	32	9.4	29.3	113.5	0.530	0.591	0.89
		Bot	71	-2.7	-7.2	-39.2	71	-2.7	-7.2	-39.2	0.531	0.347	0.31
2	VEE	Top	31	9.0	-28.4	132.1	27	8.6	-28.5	128.0	0.527	0.605	0.94
		Bot	72	-2.4	5.5	-46.1	75	-5.8	6.3	-37.6	0.529	0.357	0.33

WELDS:

Splice Id	Side	Outside_Flange_To_Bep Size	Typ	Shear(k/in) Calc	Limit	Inside_Flange_To_Bep Size	Typ	Shear(k/in) Calc	Limit	Web_To_Bep Size	Typ	Shear(k/in) Calc	Limit
1	L	0.313	F2	6.30	6.96	(a)	G1	4.36	150.00	0.125	F2	0.81	2.79
1	R	0.313	F2	6.30	6.96	0.188	F2	2.18	4.17	0.125	F2	0.81	2.79
2	L	0.313	F2	6.61	6.96	0.188	F2	2.31	4.17	0.125	F2	0.71	2.79
2	R	0.313	F2	6.61	6.96	(a)	G1	4.61	150.00	0.125	F2	0.71	2.79

(a)Full penetration groove weld

LOAD COMBINATIONS:

27 - 1.25Dead+1.25Collateral+1.5Snow+1.5Snow_Drift+1.5Slide_Snow
31 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Left2+1.5Snow_Drift+1.5Slide_Snow

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

32 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Right2+1.5Snow_Drift+1.5Slide_Snow
71 - 0.9Dead+1.4Wind_Left1
72 - 0.9Dead+1.4Wind_Right1
75 - 0.9Dead-1.4Wind_Long1

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011467_RF Frame 1 - Bearing Stiffeners 3/26/24 3:25pm

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Stiffener Yield = 55.0 (ksi)

STIFFENER SIZE:

Location	Offset	Depth	Thick	Width	Thick	Length	No.
	----Stiffener---	--Web(in)--		----Stiffener_Size(in)---			
Lt Col	0.0	18.00	0.188	2.50	0.250	17.88	1
Rt Col	40.0	20.00	0.188	2.50	0.250	19.88	1

STIFFENER DESIGN:

Location	Load	Calc	Limit	Load	Calc	Limit	Max UC
	----Tension(k)---			--Compression(k)-			
Lt Col	71	25.3	61.9	32	73.1	104.8	0.70
Rt Col	72	26.8	61.9	31	76.9	104.6	0.73

WELDS:

Stiffener Location	---Stiff_To_Flg/EP--- Size	Typ	Shear(k/in) Calc	Limit	-----Stiff_To_Web---- Size	Typ	Shear(k/in) Calc	Limit
Lt Col	0.250	F2	2.53	5.57	0.125	F2	1.02	2.79
Rt Col	0.250	F2	2.68	5.57	0.125	F2	0.97	2.79

LOAD COMBINATIONS:

31 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Left2+1.5Snow_Drift+1.5Slide_Snow
32 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Right2+1.5Snow_Drift+1.5Slide_Snow
71 - 0.9Dead+1.4Wind_Left1
72 - 0.9Dead+1.4Wind_Right1

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011467_RF Frame 1 - Flange Braces 3/26/24 3:25pm

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DESIGN CONSTANTS:

Flange Brace Yield = 36.00 ksi
Girt/Purlin Yield = 55.00 ksi
Flange Brace Bolt = A307 (0 Washers)
Bolt Shear Stress = 19.98 ksi

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

Flange Brace Force
Inside flange, max of bending compression/tension

LAYOUT:

Surf Id	Loc	Side	Part	Seg Id	Web Depth	Brace Offset	Angle Deg	Design Length	Bolt_Dia Frame	Bolt_Dia Purlin	Bolt_Dia Clip	Attachment Frame	Attachment Purlin Ref
1	1	1	L2X2X10G	1	14.54	22.50	50.0	26.14	0.500	0.500		Flange	Web
	2	1	L2X2X10G	1	17.62	22.50	45.2	28.21	0.500	0.500		Flange	Web
2	1	1	L2X2X10G	2	17.74	22.50	47.9	27.01	0.500	0.500		Flange	Web
	3	1	L2X2X10G	2	16.78	22.50	49.4	26.37	0.500	0.500		Flange	Web
	5	1	L2X2X10G	3	16.37	22.50	50.1	26.11	0.500	0.500		Flange	Web
	7	1	L2X2X10G	3	18.36	22.50	46.9	27.43	0.500	0.500		Flange	Web
	8	1	L2X2X10G	3	19.36	22.50	45.4	28.12	0.500	0.500		Flange	Web
3	1	1	L2X2X10G	4	14.83	22.50	49.5	26.32	0.500	0.500		Flange	Web
	2	1	L2X2X10G	4	18.15	22.50	44.5	28.59	0.500	0.500		Flange	Web

DESIGN:

Surf Id	Loc	Load(f-k) Id	Moment	Force (k)	Brace_UC- Comp	Tens	Connection_UC- Frame	Purlin	Clip
1	1	32	63.4	1.18	0.23	0.32	0.36	0.30	
	2	32	119.3	1.92	0.38	0.52	0.58	0.49	
2	1	32	51.3	0.65	0.13	0.18	0.20	0.17	
	3	31	-104.7	1.39	0.27	0.38	0.42	0.35	
	5	32	-132.3	1.80	0.34	0.49	0.54	0.46	
	7	106	-48.3	0.60	0.12	0.16	0.18	0.15	
	8	31	57.9	0.68	0.13	0.19	0.21	0.17	
3	1	31	62.7	1.15	0.22	0.31	0.35	0.29	
	2	31	118.1	1.86	0.37	0.51	0.56	0.47	

LOAD COMBINATIONS:

31 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Left2+1.5Snow_Drift+1.5Slide_Snow
32 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Right2+1.5Snow_Drift+1.5Slide_Snow
106 - 1.25Dead+1.25Collateral+1.5F1UNB_SL_R

011467_RF Frame 1 - Web To Flange Weld 3/26/24 3:25pm

Surf Id	Mem Id	Seg Id	Sec Id	Load Id	Shear (k)	Ixx (in4)	Q Flg	Q (in3)	Web_Flange_Weld Size	Typ	Shear(k/in) Calc	Limit
1	1	1	1	30	8.7	123	Out	9.1	0.188	F1	0.64	4.17
							In	9.8	0.188	F1	0.69	4.17
2	2	2	7	32	28.3	399	Out	18.5	0.188	F1	1.31	4.17
							In	15.2	0.188	F1	1.08	4.17

Job No	011467_RF	**Date**	3/26/2024
Customer	Norsteel Buildings	**Designed By**	MQZ
Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

2	3	3	24	27	29.1	504	Out	20.6	0.188	F1	1.19	4.17
							In	16.7	0.188	F1	0.96	4.17
3	4	4	31	29	8.5	123	Out	9.1	0.188	F1	0.63	4.17
							In	9.8	0.188	F1	0.68	4.17

LOAD COMBINATIONS:

27 - 1.25Dead+1.25Collateral+1.5Snow+1.5Snow_Drift+1.5Slide_Snow
29 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Left1+1.5Snow_Drift+1.5Slide_Snow
30 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Right1+1.5Snow_Drift+1.5Slide_Snow
32 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Right2+1.5Snow_Drift+1.5Slide_Snow

011467_RF Frame 1 - Special Segments 3/26/24 3:25pm

FLANGE PLATE:

Locate	--Initial-- Width (in)	Thick (in)	---Final--- Width (in)	Thick (in)
Lt Col	6.0	0.250	6.0	0.375
Rt Col	6.0	0.250	6.0	0.375

WEB PLATE:

Locate	Id	------Actions----- Axial (k)	Moment (f-k)	Calc Web Shear (k)	---Initial-- Web Thick (in)	Shear Limit (k)	------Final------ Web Thick (in)	Shear Limit (k)	UC	Note
Lt Col	32	12.1	113.5	69.6	0.149	63.7	0.188	90.6	0.77	13.4.1.1.b
Rt Col	31	7.0	132.1	75.8	0.149	65.0	0.188	92.1	0.82	13.4.1.1.b

REQUIRED WEB DESIGN:

Locate	Web Depth	Stiff Space
Lt Col	18.00	17.31
Rt Col	20.00	20.90

LOAD COMBINATIONS:

31 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Left2+1.5Snow_Drift+1.5Slide_Snow
32 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Right2+1.5Snow_Drift+1.5Slide_Snow

011467_RF Frame 1 - Design Summary 3/26/24 3:25pm

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

FRAME:

Id = 1
Type = RF
Line Id = 2 3 4
Load Width= 20.00
UC Limit= 1.00
KL/R Limit= 200.00

MEMBERS:

Srf Id	Mem Id	Seg Id	Len	Flange Wid	Web_Depth Strt	Web_Depth End	Plate_Thickness Web	Plate_Thickness O-flg	Plate_Thickness I-flg	Max_Shear Id	Max_Shear Ld	Max_Shear Ucv	O-Flg Id	O-Flg Ld	O-Flg Uco	I-Flg Id	I-Flg Ld	Max Uci	KL/R
1	1	1	16.2	6.0	11.0	18.0	0.149	0.250	0.313	6	32	0.38	6	32	0.66	5	32	0.98	66
2	2	2	18.1	6.0	18.0	16.0	0.188	0.375	0.250	7	32	0.62	14	27	0.92	15	27	0.91	82
2	3	3	17.4	6.0	16.0	20.0	0.188	0.375	0.250	24	27	0.70	17	32	0.92	16	27	0.91	83
3	4	4	19.4	6.0	20.0	11.0	0.149	0.250	0.313	25	32	0.42	25	31	0.69	25	31	1.00	66

No. Cycles For Plate Optimization= 13

LOAD COMBINATIONS:

#- Controlling Load Combination In Design Summary

1 - 1.25Dead+1.25Collateral+1.5Live
2 - 1.25Dead+1.25Collateral+1.5Live
3 - 1.4Dead+1.4Collateral
4 - 1.4Dead+1.4Collateral
5 - 1.25Dead+1.25Collateral+Snow+Snow_Drift+Slide_Snow
6 - 1.25Dead+1.25Collateral+Snow+Snow_Drift+Slide_Snow
7 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Left1
8 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Right1
9 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Left2
10 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Right2
11 - 1.25Dead+1.25Collateral+1.5Live-0.4Wind_Long1
12 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Long1
13 - 1.25Dead+1.25Collateral+1.5Live-0.4Wind_Long2
14 - 1.25Dead+1.25Collateral+1.5Live+0.4Wind_Long2
15 - 0.9Dead+1.5Live
16 - 0.9Dead+1.5Live
17 - 0.9Dead+Snow+Snow_Drift+Slide_Snow

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11		
		Vars/ON/K0A 3H0		

18 - 0.9Dead+Snow+Snow_Drift+Slide_Snow
19 - 0.9Dead+1.5Live+0.4Wind_Left1
20 - 0.9Dead+1.5Live+0.4Wind_Right1
21 - 0.9Dead+1.5Live+0.4Wind_Left2
22 - 0.9Dead+1.5Live+0.4Wind_Right2
23 - 0.9Dead+1.5Live-0.4Wind_Long1
24 - 0.9Dead+1.5Live+0.4Wind_Long1
25 - 0.9Dead+1.5Live-0.4Wind_Long2
26 - 0.9Dead+1.5Live+0.4Wind_Long2
27#- 1.25Dead+1.25Collateral+1.5Snow+1.5Snow_Drift+1.5Slide_Snow
28 - 1.25Dead+1.25Collateral+1.5Snow+1.5Snow_Drift+1.5Slide_Snow
29 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Left1+1.5Snow_Drift+1.5Slide_Snow
30 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Right1+1.5Snow_Drift+1.5Slide_Snow
31#- 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Left2+1.5Snow_Drift+1.5Slide_Snow
32#- 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Right2+1.5Snow_Drift+1.5Slide_Snow
33 - 1.25Dead+1.25Collateral+1.5Snow-0.4Wind_Long1+1.5Snow_Drift+1.5Slide_Snow
34 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Long1+1.5Snow_Drift+1.5Slide_Snow
35 - 1.25Dead+1.25Collateral+1.5Snow-0.4Wind_Long2+1.5Snow_Drift+1.5Slide_Snow
36 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Long2+1.5Snow_Drift+1.5Slide_Snow
37 - 0.9Dead+1.5Snow+1.5Snow_Drift+1.5Slide_Snow
38 - 0.9Dead+1.5Snow+1.5Snow_Drift+1.5Slide_Snow
39 - 0.9Dead+1.5Snow+0.4Wind_Left1+1.5Snow_Drift+1.5Slide_Snow
40 - 0.9Dead+1.5Snow+0.4Wind_Right1+1.5Snow_Drift+1.5Slide_Snow
41 - 0.9Dead+1.5Snow+0.4Wind_Left2+1.5Snow_Drift+1.5Slide_Snow
42 - 0.9Dead+1.5Snow+0.4Wind_Right2+1.5Snow_Drift+1.5Slide_Snow
43 - 0.9Dead+1.5Snow-0.4Wind_Long1+1.5Snow_Drift+1.5Slide_Snow
44 - 0.9Dead+1.5Snow+0.4Wind_Long1+1.5Snow_Drift+1.5Slide_Snow
45 - 0.9Dead+1.5Snow-0.4Wind_Long2+1.5Snow_Drift+1.5Slide_Snow
46 - 0.9Dead+1.5Snow+0.4Wind_Long2+1.5Snow_Drift+1.5Slide_Snow
47 - 1.25Dead+1.25Collateral+1.4Wind_Left1
48 - 1.25Dead+1.25Collateral+1.4Wind_Right1
49 - 1.25Dead+1.25Collateral+1.4Wind_Left2
50 - 1.25Dead+1.25Collateral+1.4Wind_Right2
51 - 1.25Dead+1.25Collateral-1.4Wind_Long1
52 - 1.25Dead+1.25Collateral+1.4Wind_Long1
53 - 1.25Dead+1.25Collateral-1.4Wind_Long2
54 - 1.25Dead+1.25Collateral+1.4Wind_Long2
55 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Left1
56 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Right1
57 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Left2
58 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Right2
59 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Long1
60 - 1.25Dead+1.25Collateral+Live/2-1.4Wind_Long1
61 - 1.25Dead+1.25Collateral+Live/2+1.4Wind_Long2
62 - 1.25Dead+1.25Collateral+Live/2-1.4Wind_Long2
63 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Left1+Snow_Drift/2+Slide_Snow/2
64 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Right1+Snow_Drift/2+Slide_Snow/2
65 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Left2+Snow_Drift/2+Slide_Snow/2
66 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Right2+Snow_Drift/2+Slide_Snow/2
67 - 1.25Dead+1.25Collateral+Snow/2-1.4Wind_Long1+Snow_Drift/2+Slide_Snow/2
68 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Long1+Snow_Drift/2+Slide_Snow/2
69 - 1.25Dead+1.25Collateral+Snow/2-1.4Wind_Long2+Snow_Drift/2+Slide_Snow/2
70 - 1.25Dead+1.25Collateral+Snow/2+1.4Wind_Long2+Snow_Drift/2+Slide_Snow/2
71 - 0.9Dead+1.4Wind_Left1

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

72 - 0.9Dead+1.4Wind_Right1
73 - 0.9Dead+1.4Wind_Left2
74 - 0.9Dead+1.4Wind_Right2
75 - 0.9Dead-1.4Wind_Long1
76 - 0.9Dead+1.4Wind_Long1
77 - 0.9Dead-1.4Wind_Long2
78 - 0.9Dead+1.4Wind_Long2
79 - 0.9Dead+Live/2+1.4Wind_Left1
80 - 0.9Dead+Live/2+1.4Wind_Right1
81 - 0.9Dead+Live/2+1.4Wind_Left2
82 - 0.9Dead+Live/2+1.4Wind_Right2
83 - 0.9Dead+Live/2-1.4Wind_Long1
84 - 0.9Dead+Live/2+1.4Wind_Long1
85 - 0.9Dead+Live/2-1.4Wind_Long2
86 - 0.9Dead+Live/2+1.4Wind_Long2
87 - 0.9Dead+Snow/2+1.4Wind_Left1+Snow_Drift/2+Slide_Snow/2
88 - 0.9Dead+Snow/2+1.4Wind_Right1+Snow_Drift/2+Slide_Snow/2
89 - 0.9Dead+Snow/2+1.4Wind_Left2+Snow_Drift/2+Slide_Snow/2
90 - 0.9Dead+Snow/2+1.4Wind_Right2+Snow_Drift/2+Slide_Snow/2
91 - 0.9Dead+Snow/2-1.4Wind_Long1+Snow_Drift/2+Slide_Snow/2
92 - 0.9Dead+Snow/2+1.4Wind_Long1+Snow_Drift/2+Slide_Snow/2
93 - 0.9Dead+Snow/2-1.4Wind_Long2+Snow_Drift/2+Slide_Snow/2
94 - 0.9Dead+Snow/2+1.4Wind_Long2+Snow_Drift/2+Slide_Snow/2
95 - Dead+Collateral+Seismic_L
96 - Dead+Collateral+Seismic_R
97 - Dead+Collateral+Seismic_Long
98 - Dead+Collateral-Seismic_Long
99 - Dead+Collateral+0.25Snow+Seismic_L+0.25Snow_Drift+0.25Slide_Snow
100 - Dead+Collateral+0.25Snow+Seismic_R+0.25Snow_Drift+0.25Slide_Snow
101 - Dead+Collateral+0.25Snow+Seismic_Long+0.25Snow_Drift+0.25Slide_Snow
102 - Dead+Collateral+0.25Snow-Seismic_Long+0.25Snow_Drift+0.25Slide_Snow
103 - 1.25Dead+1.25Collateral+1.5F1UNB_SL_L
104 - 1.25Dead+1.25Collateral+1.5F1UNB_SL_L
105 - 1.25Dead+1.25Collateral+1.5F1UNB_SL_R
106 - 1.25Dead+1.25Collateral+1.5F1UNB_SL_R
107 - Dead+Collateral+Live
108 - Dead+Collateral+Live
109 - Dead+Collateral
110 - Dead+Collateral
111 - Dead+Collateral+0.45Snow+0.45Snow_Drift+0.45Slide_Snow
112 - Dead+Collateral+0.45Snow+0.45Snow_Drift+0.45Slide_Snow
113 - Dead+Live+0.3Wind_Left1
114 - Dead+Live+0.3Wind_Right1
115 - Dead+Live+0.3Wind_Left2
116 - Dead+Live+0.3Wind_Right2
117 - Dead+Live+0.3Wind_Long1
118 - Dead+Live-0.3Wind_Long1
119 - Dead+Live+0.3Wind_Long2
120 - Dead+Live-0.3Wind_Long2
121 - Dead+Collateral+0.9Snow+0.9Snow_Drift+0.9Slide_Snow
122 - Dead+Collateral+0.9Snow+0.9Snow_Drift+0.9Slide_Snow
123 - Dead+0.9Snow+0.3Wind_Left1+0.9Snow_Drift+0.9Slide_Snow
124 - Dead+0.9Snow+0.3Wind_Right1+0.9Snow_Drift+0.9Slide_Snow
125 - Dead+0.9Snow+0.3Wind_Left2+0.9Snow_Drift+0.9Slide_Snow

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126 - Dead+0.9Snow+0.3Wind_Right2+0.9Snow_Drift+0.9Slide_Snow
127 - Dead+0.9Snow+0.3Wind_Long1+0.9Snow_Drift+0.9Slide_Snow
128 - Dead+0.9Snow-0.3Wind_Long1+0.9Snow_Drift+0.9Slide_Snow
129 - Dead+0.9Snow+0.3Wind_Long2+0.9Snow_Drift+0.9Slide_Snow
130 - Dead+0.9Snow-0.3Wind_Long2+0.9Snow_Drift+0.9Slide_Snow
131 - Dead+0.75Wind_Left1
132 - Dead+0.75Wind_Right1
133 - Dead+0.75Wind_Left2
134 - Dead+0.75Wind_Right2
135 - Dead+0.75Wind_Long1
136 - Dead-0.75Wind_Long1
137 - Dead+0.75Wind_Long2
138 - Dead-0.75Wind_Long2
139 - Dead+Live/2+0.75Wind_Left1
140 - Dead+Live/2+0.75Wind_Right1
141 - Dead+Live/2+0.75Wind_Left2
142 - Dead+Live/2+0.75Wind_Right2
143 - Dead+Live/2+0.75Wind_Long1
144 - Dead+Live/2-0.75Wind_Long1
145 - Dead+Live/2+0.75Wind_Long2
146 - Dead+Live/2-0.75Wind_Long2
147 - Dead+0.45Snow+0.75Wind_Left1+0.45Snow_Drift+0.45Slide_Snow
148 - Dead+0.45Snow+0.75Wind_Right1+0.45Snow_Drift+0.45Slide_Snow
149 - Dead+0.45Snow+0.75Wind_Left2+0.45Snow_Drift+0.45Slide_Snow
150 - Dead+0.45Snow+0.75Wind_Right2+0.45Snow_Drift+0.45Slide_Snow
151 - Dead+0.45Snow+0.75Wind_Long1+0.45Snow_Drift+0.45Slide_Snow
152 - Dead+0.45Snow-0.75Wind_Long1+0.45Snow_Drift+0.45Slide_Snow
153 - Dead+0.45Snow+0.75Wind_Long2+0.45Snow_Drift+0.45Slide_Snow
154 - Dead+0.45Snow-0.75Wind_Long2+0.45Snow_Drift+0.45Slide_Snow
155 - Dead+Collateral+1.95Seismic_L
156 - Dead+Collateral+1.95Seismic_R
157 - Dead+Collateral-Seismic_Long
158 - Dead+Collateral+Seismic_Long
159 - Dead+Collateral+0.22Snow+1.95Seismic_L+0.22Snow_Drift+0.22Slide_Snow
160 - Dead+Collateral+0.22Snow+1.95Seismic_R+0.22Snow_Drift+0.22Slide_Snow
161 - 0.75Wind_Left1
162 - 0.75Wind_Right1
163 - 0.75Wind_Left2
164 - 0.75Wind_Right2
165 - 0.75Wind_Long1
166 - -0.75Wind_Long1
167 - 0.75Wind_Long2
168 - -0.75Wind_Long2
169 - 1.95Seismic_L
170 - 1.95Seismic_R
171 - Seismic_Long
172 - -Seismic_Long
173 - 0.45Snow+0.45Snow_Drift+0.45Slide_Snow
174 - 0.45Snow+0.45Snow_Drift+0.45Slide_Snow
175 - 0.9Snow+0.9Snow_Drift+0.9Slide_Snow
176 - 0.9Snow+0.9Snow_Drift+0.9Slide_Snow
177 - Dead+0.45Snow+0.45Snow_Drift+0.45Slide_Snow
178 - Dead+0.45Snow+0.45Snow_Drift+0.45Slide_Snow
179 - 0.9Snow

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180 - 0.9Snow
181 - Dead+Collateral+0.9F1UNB_SL_L
182 - Dead+Collateral+0.9F1UNB_SL_L
183 - Dead+Collateral+0.9F1UNB_SL_R
184 - Dead+Collateral+0.9F1UNB_SL_R

PLATE LIMITS:

Seg Id	Web Depth/Thick Calc	Web Depth/Thick Limit	Flange Width/(2xThick) Calc	Flange Width/(2xThick) Limit	Flange Thick	Flange Min	Web_Depth/ Flange_Width Calc	Web_Depth/ Flange_Width Limit	Web_Area/ Flange_Area Calc	Web_Area/ Flange_Area Limit
1	120.8	218.9	12.0		0.250	0.149	3.0			
2	96.0	218.9	12.0		0.250	0.188	3.0			
3	106.7	218.9	12.0		0.250	0.188	3.3			
4	134.2	218.9	12.0		0.250	0.149	3.3			

FRAME AREA:

Frame Area= 101.24
Building Area= 746.67
Ratio= 0.14

WEIGHTS:

Member	1	2	3	4
Weight (lb)	309	428	423	381

Total Weight (lb)
Frame = 1541
Splice Plate = 111
Base Plate = 27
1679

REACTIONS - Sidewall Columns:

Load Id	Left_Column Fx(k)	Left_Column Fy(k)	Left_Column Fz(k)	Left_Column M(f-k)	Right_Column Fx(k)	Right_Column Fy(k)	Right_Column Fz(k)	Right_Column M(f-k)
1	4.21	15.93	0.00	0.00	-4.21	16.41	0.00	0.00
2	4.23	16.08	0.00	0.00	-4.23	16.27	0.00	0.00
3	0.94	3.91	0.00	0.00	-0.94	4.09	0.00	0.00
4	0.95	3.94	0.00	0.00	-0.95	4.06	0.00	0.00
5	6.03	22.63	0.00	0.00	-6.03	23.30	0.00	0.00
6	6.05	22.84	0.00	0.00	-6.05	23.10	0.00	0.00
7	3.21	13.35	0.00	0.00	-4.42	14.29	0.00	0.00
8	4.90	14.95	0.00	0.00	-3.23	14.18	0.00	0.00

		Job No	011467_RF			**Date**	3/26/2024	
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9	2.98	15.19	0.00	0.00	-4.19	16.16	0.00	0.00
10	4.67	16.81	0.00	0.00	-3.00	16.03	0.00	0.00
11	4.35	14.25	0.00	0.00	-4.26	14.79	0.00	0.00
12	4.34	13.04	0.80	0.00	-4.25	13.20	0.86	0.00
13	4.35	14.25	0.00	0.00	-4.26	14.79	0.00	0.00
14	4.34	13.04	0.80	0.00	-4.25	13.20	0.86	0.00
15	3.69	13.89	0.00	0.00	-3.69	14.29	0.00	0.00
16	3.70	14.01	0.00	0.00	-3.70	14.16	0.00	0.00
17	5.50	20.59	0.00	0.00	-5.50	21.18	0.00	0.00
18	5.52	20.78	0.00	0.00	-5.52	20.99	0.00	0.00
19	2.68	11.31	0.00	0.00	-3.90	12.16	0.00	0.00
20	4.37	12.88	0.00	0.00	-2.70	12.08	0.00	0.00
21	2.45	13.15	0.00	0.00	-3.66	14.04	0.00	0.00
22	4.14	14.74	0.00	0.00	-2.47	13.93	0.00	0.00
23	3.82	12.20	0.00	0.00	-3.73	12.67	0.00	0.00
24	3.81	10.99	0.80	0.00	-3.72	11.08	0.86	0.00
25	3.82	12.20	0.00	0.00	-3.73	12.67	0.00	0.00
26	3.81	10.99	0.80	0.00	-3.72	11.08	0.86	0.00
27	8.62	32.18	0.00	0.00	-8.62	33.15	0.00	0.00
28	8.65	32.48	0.00	0.00	-8.65	32.85	0.00	0.00
29	7.61	29.59	0.00	0.00	-8.83	31.04	0.00	0.00
30	9.29	31.10	0.00	0.00	-7.63	31.01	0.00	0.00
31	7.38	31.42	0.00	0.00	-8.60	32.92	0.00	0.00
32	9.06	32.94	0.00	0.00	-7.39	32.88	0.00	0.00
33	8.76	30.51	0.00	0.00	-8.66	31.51	0.00	0.00
34	8.74	29.30	0.80	0.00	-8.65	29.93	0.86	0.00
35	8.76	30.51	0.00	0.00	-8.66	31.51	0.00	0.00
36	8.74	29.30	0.80	0.00	-8.65	29.93	0.86	0.00
37	8.09	30.14	0.00	0.00	-8.09	31.02	0.00	0.00
38	8.13	30.42	0.00	0.00	-8.13	30.74	0.00	0.00
39	7.09	27.55	0.00	0.00	-8.30	28.91	0.00	0.00
40	8.77	29.06	0.00	0.00	-7.10	28.88	0.00	0.00
41	6.86	29.39	0.00	0.00	-8.07	30.79	0.00	0.00
42	8.54	30.90	0.00	0.00	-6.87	30.76	0.00	0.00
43	8.23	28.47	0.00	0.00	-8.14	29.39	0.00	0.00
44	8.22	27.26	0.80	0.00	-8.13	27.80	0.86	0.00
45	8.23	28.47	0.00	0.00	-8.14	29.39	0.00	0.00
46	8.22	27.26	0.80	0.00	-8.13	27.80	0.86	0.00
47	-2.66	-5.55	0.00	0.00	-1.59	-3.78	0.00	0.00
48	3.19	-0.53	0.00	0.00	2.64	-3.59	0.00	0.00
49	-3.48	0.95	0.00	0.00	-0.77	2.73	0.00	0.00
50	2.37	6.02	0.00	0.00	3.47	2.86	0.00	0.00
51	1.33	-2.44	0.00	0.00	-1.00	-2.00	0.00	0.00
52	1.29	-6.67	2.79	0.00	-0.96	-7.55	3.00	0.00
53	1.33	-2.44	0.00	0.00	-1.00	-2.00	0.00	0.00
54	1.29	-6.67	2.79	0.00	-0.96	-7.55	3.00	0.00
55	-1.54	-1.37	0.00	0.00	-2.71	0.44	0.00	0.00
56	4.31	3.66	0.00	0.00	1.53	0.61	0.00	0.00
57	-2.36	5.08	0.00	0.00	-1.89	7.00	0.00	0.00
58	3.50	10.23	0.00	0.00	2.34	7.05	0.00	0.00
59	2.41	-2.51	2.79	0.00	-2.08	-3.30	3.00	0.00
60	2.45	1.74	0.00	0.00	-2.13	2.22	0.00	0.00
61	2.41	-2.51	2.79	0.00	-2.08	-3.30	3.00	0.00
62	2.45	1.74	0.00	0.00	-2.13	2.22	0.00	0.00

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63	-0.07	4.05	0.00	0.00	-4.18	6.02	0.00	0.00
64	5.78	9.18	0.00	0.00	0.05	6.09	0.00	0.00
65	-0.89	10.49	0.00	0.00	-3.36	12.58	0.00	0.00
66	4.98	15.73	0.00	0.00	0.86	12.54	0.00	0.00
67	3.93	7.23	0.00	0.00	-3.60	7.73	0.00	0.00
68	3.88	2.98	2.79	0.00	-3.56	2.21	3.00	0.00
69	3.93	7.23	0.00	0.00	-3.60	7.73	0.00	0.00
70	3.88	2.98	2.79	0.00	-3.56	2.21	3.00	0.00
71	-3.19	-7.61	0.00	0.00	-1.06	-5.88	0.00	0.00
72	2.67	-2.59	0.00	0.00	3.17	-5.70	0.00	0.00
73	-4.00	-1.10	0.00	0.00	-0.25	0.61	0.00	0.00
74	1.84	3.94	0.00	0.00	3.99	0.77	0.00	0.00
75	0.80	-4.49	0.00	0.00	-0.47	-4.12	0.00	0.00
76	0.76	-8.72	2.79	0.00	-0.43	-9.66	3.00	0.00
77	0.80	-4.49	0.00	0.00	-0.47	-4.12	0.00	0.00
78	0.76	-8.72	2.79	0.00	-0.43	-9.66	3.00	0.00
79	-2.06	-3.43	0.00	0.00	-2.19	-1.66	0.00	0.00
80	3.79	1.59	0.00	0.00	2.05	-1.48	0.00	0.00
81	-2.88	3.04	0.00	0.00	-1.36	4.87	0.00	0.00
82	2.97	8.15	0.00	0.00	2.87	4.96	0.00	0.00
83	1.92	-0.33	0.00	0.00	-1.60	0.12	0.00	0.00
84	1.88	-4.56	2.79	0.00	-1.56	-5.42	3.00	0.00
85	1.92	-0.33	0.00	0.00	-1.60	0.12	0.00	0.00
86	1.88	-4.56	2.79	0.00	-1.56	-5.42	3.00	0.00
87	-0.60	2.01	0.00	0.00	-3.65	3.89	0.00	0.00
88	5.25	7.10	0.00	0.00	0.58	4.00	0.00	0.00
89	-1.41	8.45	0.00	0.00	-2.83	10.45	0.00	0.00
90	4.45	13.66	0.00	0.00	1.39	10.45	0.00	0.00
91	3.40	5.16	0.00	0.00	-3.08	5.63	0.00	0.00
92	3.36	0.91	2.79	0.00	-3.03	0.11	3.00	0.00
93	3.40	5.16	0.00	0.00	-3.08	5.63	0.00	0.00
94	3.36	0.91	2.79	0.00	-3.03	0.11	3.00	0.00
95	-0.87	1.52	0.00	0.00	-1.91	4.19	0.00	0.00
96	2.20	4.08	0.00	0.00	0.58	1.63	0.00	0.00
97	0.67	-1.50	5.65	0.00	-0.67	-2.36	5.71	0.00
98	0.75	7.08	0.00	0.00	-0.75	8.21	0.00	0.00
99	0.43	6.29	0.00	0.00	-3.21	9.12	0.00	0.00
100	3.50	8.94	0.00	0.00	-0.72	6.47	0.00	0.00
101	1.97	3.29	5.65	0.00	-1.97	2.55	5.71	0.00
102	2.05	11.87	0.00	0.00	-2.05	13.12	0.00	0.00
103	6.72	28.84	0.00	0.00	-6.74	21.94	0.00	0.00
104	6.71	29.07	0.00	0.00	-6.73	21.71	0.00	0.00
105	6.62	21.18	0.00	0.00	-6.64	29.59	0.00	0.00
106	6.69	21.42	0.00	0.00	-6.70	29.36	0.00	0.00

DEFLECTIONS:

Load Id	Lateral Defl @ Top Of Col Left	Right	Vert Defl @ Midspan
107	0.15	0.16	-0.95

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108	0.09	0.10	-0.95
109	0.03	0.04	-0.22
110	0.02	0.02	-0.22
111	0.16	0.17	-0.98
112	0.09	0.10	-0.98
113	0.24	0.25	-0.70
114	-0.18	-0.17	-0.74
115	0.28	0.29	-0.80
116	-0.15	-0.14	-0.84
117	0.07	0.08	-0.71
118	0.07	0.08	-0.71
119	0.07	0.08	-0.71
120	0.07	0.08	-0.71
121	0.28	0.31	-1.74
122	0.17	0.19	-1.74
123	0.38	0.40	-1.49
124	-0.11	-0.09	-1.52
125	0.42	0.44	-1.59
126	-0.07	-0.05	-1.62
127	0.20	0.22	-1.50
128	0.20	0.22	-1.50
129	0.20	0.22	-1.50
130	0.20	0.22	-1.50
131	0.30	0.29	0.24
132	-0.62	-0.62	0.18
133	0.38	0.38	-0.03
134	-0.54	-0.54	-0.11
135	-0.14	-0.14	0.22
136	-0.14	-0.14	0.22
137	-0.14	-0.14	0.22
138	-0.14	-0.14	0.22
139	0.34	0.34	-0.14
140	-0.59	-0.58	-0.23
141	0.45	0.45	-0.38
142	-0.51	-0.51	-0.46
143	-0.09	-0.09	-0.15
144	-0.10	-0.09	-0.15
145	-0.09	-0.09	-0.15
146	-0.10	-0.09	-0.15
147	0.41	0.42	-0.53
148	-0.56	-0.55	-0.61
149	0.51	0.52	-0.77
150	-0.48	-0.47	-0.85
151	-0.06	-0.05	-0.54
152	-0.07	-0.05	-0.54
153	-0.06	-0.05	-0.54
154	-0.07	-0.05	-0.54
155	1.58	1.58	-0.34
156	-1.53	-1.52	-0.25
157	0.04	0.05	-0.23
158	0.03	0.04	-0.22
159	1.66	1.67	-0.70
160	-1.51	-1.51	-0.60
161	0.29	0.28	0.35

	Job No	011467_RF	**Date**	3/26/2024
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162	-0.63	-0.64	0.29
163	0.37	0.36	0.12
164	-0.55	-0.55	0.05
165	-0.16	-0.16	0.33
166	-0.16	-0.16	0.33
167	-0.16	-0.16	0.33
168	-0.16	-0.16	0.33
169	1.54	1.54	-0.13
170	-1.54	-1.54	0.13
171	0.00	0.00	0.00
172	-0.02	-0.02	-0.01
173	0.12	0.13	-0.76
174	0.07	0.08	-0.76
175	0.25	0.27	-1.52
176	0.15	0.17	-1.52
177	0.14	0.15	-0.87
178	0.08	0.09	-0.87
179	0.25	0.27	-1.52
180	0.15	0.17	-1.52
181	0.36	0.37	-1.26
182	0.28	0.29	-1.26
183	0.05	0.06	-1.23
184	-0.04	-0.02	-1.23

DEFLECTIONS RATIO:

Load Id	Lateral Defl @ Top Of Col Left	Right	Vert Defl @ Midspan
107	1279	1418	504
108	2204	2315	505
109	5602	6207	2192
110	10489	10891	2196
111	1241	1376	490
112	2135	2244	491
113	800	923	680
114	1082	1379	651
115	681	792	597
116	1325	1704	574
117	2846	2934	673
118	2816	2907	672
119	2846	2934	673
120	2816	2907	672
121	681	757	275
122	1142	1207	276
123	514	585	321
124	1806	2688	314
125	460	527	301
126	2660	4419	295
127	982	1063	319
128	978	1058	319

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

129	982	1063	319
130	978	1058	319
131	658	794	2005
132	313	376	2706
133	506	612	16931
134	361	432	4293
135	1379	1674	2187
136	1389	1687	2204
137	1379	1674	2187
138	1389	1687	2204
139	571	679	3512
140	330	399	2119
141	435	520	1256
142	379	458	1040
143	2060	2654	3234
144	1934	2480	3197
145	2060	2654	3234
146	1934	2480	3197
147	477	561	913
148	347	423	790
149	377	446	620
150	403	492	563
151	3272	4884	886
152	2973	4342	884
153	3272	4884	886
154	2973	4342	884
155	123	147	1406
156	127	152	1943
157	4605	5172	2131
158	5602	6207	2192
159	116	139	682
160	128	154	805
161	681	826	1365
162	306	366	1684
163	526	640	4129
164	356	425	9937
165	1227	1473	1444
166	1235	1483	1451
167	1227	1473	1444
168	1235	1483	1451
169	126	151	3589
170	126	151	3585
171	99999	99999	30000
172	9749	11695	69777
173	1616	1790	631
174	2743	2883	632
175	787	874	315
176	1313	1387	316
177	1394	1545	549
178	2409	2529	550
179	787	874	315
180	1313	1387	316
181	540	621	379
182	702	797	381

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

183	4194	3685	389
184	5335	11945	389

MAX DEFLECTION:

Type	Load Id	Deflect (in)	Span/Deflect Calc	Limit
Live Vertical		-1.69	284.	180.
Horizontal Drift	159	1.66	117.	40.
Horizontal Total	159	1.67	140.	40.

Horizontal Spring Constant= 3.54 k/in

P-DELTA - :

CONVERGENCE CHECK:

Column	Max Deflect Ratio
Left	0.0500
Right	0.0497

MAXIMUM DRIFT CHECK:

Load Id	Max_Drift(in) First Order	Second Order	Second/ First Ratio
40	0.02	0.10	5.68

==========

011467_RF Frame 1 - Flange Hole Check 3/26/24 3:25pm

==========

OUTSIDE FLANGE CHECK:

Surf Id	Mem Id	Seg Id	Sec Id	Girt/ Purlin	---Flange--- Width	Thick	Eff Hole Dia	Net/ Gross Limit	Max_UC Load	UC	UC/Limit
1	1	1	3	1	6.000	0.250	0.563	0.880	30	0.29	0.33
1	1	1	5	2	6.000	0.250	0.563	0.880	32	0.58	0.65
2	2	2	8	1	6.000	0.375	0.563	0.880	32	0.20	0.23
2	2	2	10	2	6.000	0.375	0.563	0.880	72	0.13	0.15
2	2	2	12	3	6.000	0.375	0.563	0.880	72	0.14	0.16
2	2	2	14	4	6.000	0.375	0.563	0.880	76	0.17	0.19
2	3	3	17	5	6.000	0.375	0.563	0.880	71	0.17	0.19
2	3	3	19	6	6.000	0.375	0.563	0.880	71	0.14	0.16
2	3	3	21	7	6.000	0.375	0.563	0.880	71	0.09	0.10
2	3	3	23	8	6.000	0.375	0.563	0.880	31	0.22	0.25
3	4	4	26	1	6.000	0.250	0.563	0.880	31	0.54	0.61

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0		

3	4	4	29	2	6.000	0.250	0.563	0.880	29	0.27	0.31

INSIDE FLANGE CHECK:

Surf Id	Mem Id	Seg Id	Sec Id	Girt/ Purlin	---Flange--- Width	Thick	Eff Hole Dia	Net/ Gross Limit	Max_UC Load	UC	UC/Limit
1	1	1	3	1	6.000	0.313	0.563	0.880	71	0.20	0.23
1	1	1	5	2	6.000	0.313	0.563	0.880	71	0.27	0.31
2	2	2	8	1	6.000	0.250	0.563	0.880	71	0.16	0.19
2	2	2	12	3	6.000	0.250	0.563	0.880	27	0.63	0.71
2	3	3	17	5	6.000	0.250	0.563	0.880	28	0.86	0.98
2	3	3	21	7	6.000	0.250	0.563	0.880	106	0.25	0.28
2	3	3	23	8	6.000	0.250	0.563	0.880	72	0.18	0.20
3	4	4	29	2	6.000	0.313	0.563	0.880	72	0.19	0.21
3	4	4	26	1	6.000	0.313	0.563	0.880	72	0.25	0.29

LOAD COMBINATIONS:

27 - 1.25Dead+1.25Collateral+1.5Snow+1.5Snow_Drift+1.5Slide_Snow
28 - 1.25Dead+1.25Collateral+1.5Snow+1.5Snow_Drift+1.5Slide_Snow
29 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Left1+1.5Snow_Drift+1.5Slide_Snow
30 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Right1+1.5Snow_Drift+1.5Slide_Snow
31 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Left2+1.5Snow_Drift+1.5Slide_Snow
32 - 1.25Dead+1.25Collateral+1.5Snow+0.4Wind_Right2+1.5Snow_Drift+1.5Slide_Snow
71 - 0.9Dead+1.4Wind_Left1
72 - 0.9Dead+1.4Wind_Right1
76 - 0.9Dead+1.4Wind_Long1
106 - 1.25Dead+1.25Collateral+1.5F1UNB_SL_R

011467_RF Frame 1 - Rigid Frame Clearances 3/26/24 3:25pm

VERTICAL CLEARANCE:

Location	Span	X_Coord	Y_Coord
Left	177-08"	26-08"	177-08"
Right	210-14"	451-08"	210-14"
Midspan	197-09"	243-01"	197-09"

HORIZONTAL CLEARANCE:

Location	Span	X_CoordL	X_CoordR
Left - Right	424-14"	26-09"	451-07"

011467_RF Frame 1 - Weight Summary 3/26/24 3:25pm

	Job No	011467_RF	**Date**	3/26/2024
	Customer	Norsteel Buildings	**Designed By**	MQZ
	Description	2040503 Ontario Inc/NS24-11		
		Vars/ON/K0A 3H0		

Total Weight (lb)

Frame	=	1541
Splice Plate	=	111
Base Plate	=	27
		1679

==========

011467_RF Frame 1 - Warning Summary 3/26/24 3:25pm

==========

.. No Warnings

Certificate of Design and Manufacturing Conformance with NBC, 2015

This Certificate is to affirm that all components of the Steel Building System described below, to be supplied by the named Manufacturer certified in accordance with CSA-A660, have been or will be designed and fabricated in accordance with the following Standards to carry the loads and load combinations specified.

1. Description

Manufacture's Name and Address: R&N Mfg. 3500 Neville Road, Suite A, Neville Island, PA 15225

Manufacturer's Certificate No. under CSA A660: RNMAMO

Custom Order Number: 011467

Building Type and Size: Metal Building: 40 ft. Wide x 80 ft. Long x 20.33 ft. E.H. 1.0:12 Roof Slope

Intended Use and Occupancy: Storage

Importance Category (NBC, Sentence 4.1.2.1(3)): Normal

Site Location: 15 Tradesman Road, Vars, Ontario, CANADA

Applicable Building Code: ONBC 2019

Builder's Name and Address: Norsteel Buildings Markham ON L3R 5V2

Owner's Name and Address: 2040503 Ontario Inc/NS24-11 Vars/ON/K0A 3H0

2. Design Standards

Engineer's Initials*

National Building Code of Canada 2015, Part 4: Structural Design MZ

CAN/CSA-S16-14, Limit States Design of Steel Structures

CAN/CSA-S136-12, North American Specification for the Design of Cold-Formed Steel Structural Members

Other (specify) _____ dated _____

3. Manufacturing Standards

MZ

(a) Fabrication has been, or will be, in accordance with CAN/CSA-S16 and CAN/CSA-S136, as applicable.

(b) Welding has been or will be performed in accordance with CSA-W59 and CAN/CSA-S136, as applicable.

(c) The Manufacturer has been certified in accordance with CSA-W47.1, for Division 1 or 2 and/or CSA-W55.3 if applicable.

(d) Welders have been qualified in accordance with CSA-W47.1.

4. Purlin Stability

MZ

Purlin braces are provided in accordance with CAN/CSA-S136, Clause D3 and Appendix B, Clause D3.2.3. In particular, for a standing seam roof supported on movable clips, braces providing lateral Support to both top and bottom purlin flanges have been or will be provided. The number of rows is determined by analysis but in no case is less than 1 for spans up to 7m inclusive or less than 2 for spans greater than 7m.

5. Loads

MZ

(a) Snow and Rain Load

1-in-50 year ground snow load, Ss,	2.40	(kPa)
1-in-50 year associated rain load, Sr,	0.40	(kPa)
Wind exposure factor, Cw,	1.00	
Basic roof snow load factor, Cb,	0.80	
Importance factor, Is,	1.00	
Roof snow load, S,	2.32	(kPa)

Drift load considered (NBC Sub-section 4.1.6.2.8) refer to drawing of specific building

Specified rain load (NBC, Article 4.1.6.4) N/A (mm)

** Initial each true statement. Mark N/A if statement does not apply.*

Engineer's Initials*

(b) Full and Partial Snow Load MZ

(i) Applied on any one and any two adjacent spans of continuous purlins.
(ii) Applied on any one and any two adjacent spans of modular rigid frames with continuous roof beams.
(iii) Applied as described for the building geometry in NBC, Part 4, and in the User's Guide - NBC Structural Commentaries (Part 4), *Commentary G: Snow Loads*

(c) Wind Load MZ

1-in-50 year reference velocity pressure 0.41 (kPa)
Importance factor, Iw, 1.00

(d) Wind Load Application MZ

(i) Applied as per NBC, Part 4, Sub-section 4.1.7.
(ii) Pressure coefficients as per User's Guide - NBC Structural Commentaries (Part 4), *Commentary I*: *Wind Loads*, Figures I3 thru I12.
(iii) Building internal pressure Category 2 per User's Guide - NBC Structural Commentaries (Part 4), *Commentary I: Wind Loads*.

(e) Crane Loads (where applicable) N/A

Type: N/A (top-running) (under-running) (jib)
Capacity: (tonnes)
Wheel Base: (m)
Maximum static, vertical wheel load: (kN)
Vertical impact factor:
Lateral factor: (%) lateral wheel load (kN)
Longitudinal factor: (%) maximum longitudinal load (kN/side)

(f) Mezzanine Live Load N/A (kPa) N/A

(g) Seismic Load MZ

Applied as per NBC, Part 4, Sub-section 4.1.8
Sa(0.2) 0.45 Sa(0.5) 0.24 Sa(1.0) 0.12 Sa(2.0) 0.056
Fa 1.0648 Fv 1.3676 Ie 1 Site Class D

(h) Other Live Loads (Specify)
N/A

(i) Dead Loads
Dead Load of building components is incorporated in the design
Collateral Load (mechanical, electrical, ceiling, sprinklers, etc.) 0.14 (kPa)
Mezzanine: N/A (kPa)
Other (Specify):

(j) Load Combinations MZ

Applied in accordance with NBC, Part 4 Section 4.1

6. General Review During Construction

The Manufacturer does not provide general review during construction for regulatory purposes.

** Initial each section. Mark N/A if statement or section does not apply*

7. Certification by Engineer

I Mingqiao Zhu, a Professional Engineer registered or licensed to practice in the Province or Territory of Ontario, hereby certify that I have reviewed the design and manufacturing process for the steel building system described. I certify that the foregoing statements, initialed by me, are true.

Name: Ming Zhu
Title: P. Eng.
Affiliation: R & N Mfg.

Professional Seal

LICENSED PROFESSIONAL ENGINEER
M. ZHU
100184641
PROVINCE OF ONTARIO

Signature:

Date: 04/10/2024

T&Z Consulting Services, LLC
Ontario CofA No. 100521725

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CONCRETE SLAB FOUNDATIONS MUST NOT BE PLACED ADJACENT TO DELETERIOUS SOIL MATERIALS SUCH AS SULFATES THAT REACT CHEMICALLY WITH CEMENT PASTE.

STORAGE MATERIALS THAT REACT CHEMICALLY WITH CEMENT PASTE IN A DELETERIOUS MANNER, SUCH AS FERTILIZERS CONTAINING AMONIUM NITRATE, SHALL NOT BE STORED ON THE FLOATING SLAB FOUNDATION DURING THE LIFE OF THE BUILDING.

THE DESIGN REFLECTS THE CONSULTANT'S BEST JUDGEMENT IN VIEW OF THE CONSULTANT AT THE TIME OF DRAWING PREPARATION.
UNLESS OTHERWISE DETAILED BY A-D ENGINEERING GROUP LTD., IT SHALL NOT BE USED TO EXPRESS THE RESPONSIBILITY AS TO THE FITNESS OF THE STRUCTURE FOR A PARTICULAR PURPOSE.
CONDITIONS EXISTING BUT NOT SHOWN ON THESE DRAWINGS WERE NOT APPARENT GIVEN THE LEVEL OF STUDY UNDERTAKEN.
THE CONSULTANT IS NOT OBLIGATED TO IDENTIFY MISTAKES OR INSUFFICENCIES IN INFORMATION OBTAINED FROM VARIOUS SOURCES OF THE INFORMATION.
THE FLOATING SLAB FOUNDATION HAS BEEN DESIGNED TO REDUCE THERMAL AND SHRINKAGE CRACKING, IN THE SLAB AND PROBLEMS WITH THE OPERATION OF THE DOORS AND WINDOWS MAY OCCUR IF THE BUILDING IS NOT HEATED AND/OR NOT PROVIDED WITH SUFFICENT FROST PROTECTION BELOW THE SLAB.
WHEEL LOADS OR OTHER CONCENTRATED LOADS MUST COMPLY AND NOT EXCEED THE DESIGN LOADS GIVEN ON THESE DRAWINGS.
IF A MAXIMUM WHEEL LOAD IS NOT SPECIFIED ON THE DRAWINGS, THEN THE SLAB HAD BEEN DESIGNED FOR A MAXIMUM CONCENTRATED LOAD OF 2000LBS.

A-D ENGINEERING GROUP LTD.
45 ERIC T. SMITH WAY UNIT 6, AURORA, ON L4G 7C6
O: 905-898-3514 T.F: 1-855-998-3514 F: 905-898-1998
info@adengineering.ca www.adengineering.ca

NOTES BY ENGINEER:

1. THIS STRUCTURAL SLAB-ON-GRADE HAS BEEN DESIGNED IN ACCORDANCE WITH AND IN CONJUNCTION WITH REFERENCE MANUALS PROVIDED BY MK5 FLOATING FDN MFG LTD.
2. IF THE PERIMETER RIGID INSULATION IS OMITTED AND THE NATURAL SOIL BASE IS NOT FREE DRAINING GRANULAR MATERIAL AND/OR THE WATER IS NOT BELOW FROST DEPTH, THE SLAB-ON-GRADE MAY HEAVE RESULTING IN ADDITIONAL SLAB CRACKING AND DOOR AND WINDOW OPERATIONAL PROBLEMS DUE TO FROST AND THERMAL EFFECTS WHICH WILL NOT BE THE RESPONSIBILITY OF THE STRUCTURAL DESIGNER.
3. DRAWINGS TO BE READ IN CONJUNCTION WITH DRAWINGS PREPARED BY STEEL BUILDING MANUFACTURER.

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No.	Description	Date
1	Issued For Permit	04.15.24
2	General Revisions	10.23.24

Project Name: MK7 MANUFACTURING FOUNDATION FOR NEW 80FT x 40FT BUILDING FOR 2040503 ONTARIO INC.

Client: MK5 PRE-ENGINEERED FOUNDATIONS

Address: 15 TRADESMAN ROAD VARS, ONTARIO

SCALE: (AS SHOWN)

DATE: 10.28.24

LICENSED PROFESSIONAL ENGINEER
10.28.24
D. J. LEHMAN
26361014
STRUCT.
PROVINCE OF ONTARIO

DESIGNED: D.J.L.
DRAWN: J.J.
PROJ ENG: D.J.L.
APPROVED: D.J.L.

SHEET NO. S1

Title: DISCLAIMER

Project # 240329

GENERAL

1. USE ONLY THE LATEST ISSUES OF ANY GOVERNMENT CODES, STANDARDS, OR REGULATIONS MENTIONED IN THE FOLLOWING NOTES.
2. EXECEPT WHERE NOTED OTHERWISE, PROVIDE ALL MATERIALS AND WORKMANSHIP IN ACCORDANCE WITH THE REQUIREMENTS OF THE APPLICABLE PROVINCIAL/TERRITORIAL BUILDING CODE AND ITS LATEST PUBLICATIONS.
3. CHECK ALL DIMENSIONS, LEVELS AND ELEVATIONS PROVIDED BY THESE FOUNDATION SLAB DRAWINGS WITH OTHER CONTRACT DOCUMENTS AND REPORT ANY INCONSISTENCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
4. ALL DETAILS AND DIMENSIONS SHOWN REGARDING THE EXISTING STRUCTURE AND ITS LOCATION RELATIVE TO THE NEW FOUNDATION HAVE BEEN TAKEN FROM ORIGINAL DESIGN DRAWINGS FOR THE EXISTING STRUCTURAL ELEMENTS ARE AVAILABLE. VERIFY SITE CONDITIONS AND REPORT DISREPENCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
5. CONNECTION DETAILS BETWEEN NEW AND EXISTING STRUCTURE HAVE BEEN ESTABLISHED WITHOUT SITE VERIFICATION BY EXPOSING EXISTING CONCRETE FOUNDATIONS /SLAB – VERIFY THESE DETAILS AND DIMENSIONS AND MODIFY THOSE DETAILS TO PERMIT APPROPRIATE CONNECTION TO THE EXISTING STRUCTURE FOR THE LOADINGS SHOWN ON THE DRAWINGS.
6. VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPENCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK. DO NOT SCALE THESE DRAWINGS.
7. READ THESE SLAB FOUNDATION DRAWINGS IN CONJUNCTION WITH STEEL MANUFACTURER'S DRAWINGS AND OTHER CONTRACT DRAWINGS.
8. FOR DETAILS AND DIMENSIONS NOT GIVEN ON THE SLAB FOUNDATION DRAWINGS, SEE DRAWINGS PREPARED BY THE MANUFACTURER OF THE STEEL BUILDING AND DRAWINGS FOR THE EXISTING BUILDING AS APPLICABLE.
9. SPECIFIC NOTES AND DETAILS SHOWN ON THE SLAB FOUNDATION DRAWINGS TAKE PRECEDENCE OVER THE GENERAL NOTES AND TYPICAL DETAILS.
10. FOR THE SIZE AND LOCATION OF MECHANICAL/ELECTRICAL EQUIPMENT AND OPENINGS, EQUIPMENT BASES, SUMP PITS, AND TRENCHES NOT INCLUDED IN THE SLAB FOUNDATION DRAWINGS, SEE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS. VERIFY ALL DIMENSIONS WITH THE MECHANICAL AND ELECTRICAL CONTRACTORS.
11. CO-ORDINATE WITH ALL OTHER TRADES WHERE SUCH TRADES AFFECT THE FOUNDATION SLAB.
12. SAFEGUARD ALL EXISTING STRCUTURES AFFECTED BY THIS CONSTRUCTION. EXAMINE AND NOTE THE CONDITION OF THE EXISTING ADJACENT STRUCTURES BEFORE AND DURING CONSTRUCTION.
13. NO HOLES, OTHER THAN THOSE DETAILED ON THE SLAB FOUNDATION DRAWINGS OR SHOP DRAWINGS APPROVED BY THE ENGINEER WILL BE PERMITTED THROUGH THE SLAB FOUNDATION.
14. ALL DESIGN LOADINGS INDICATED ON THESE DRAWINGS ARE SPECIFIED (UNFACTORED SERVICE) LOADINGS UNLESS OTHERWISE INDICATED.

CAST-IN-PLACE CONCRETE

1. SEE NOTES INCLUDED FOR "REQUIREMENTS OF APPLICABLE PROVINCIAL OR TERRITORIAL BUILDING CODES".
2. CAST-IN-PLACE SPECIFICATIONS IS PERFORMANCE BASED AS DEFINED IN CSA A23.1. THE CONTRACTOR AND SUPPLIER SHALL CONFORM TO THE REQUIREMENTS OF CSA STANDARDS CAN-A23.1 AND A23.2 FOR CONCRETE MIX COMPONENTS, PLACING, CURING AND TESTING. PROVIDE SLUMP 3"± 1" CONCRETE MIX.
3. PROVIDE CONCRETE THAT MEETS THE FOLLOWING STRCUTURAL AND DURABILITY CRITERIA:
   a. MAXIMUM AGGREGATE SIZE OF 12MM (1/2")
   b. MINIMUM COMPRESSIVE STREBGTH AT 28 DAYS OF 32MPa (4600 PSI), OR AS DETERMINED BY THE ASSIGNED EXPOSURE CLASS
   c. IF MULTIPLE EXPOSURE CLASS CRITERIA APPLY, UTILIZE THE HIGHEST 28 DAY CONCRETE STRENGTH, LOWEST WATER TO CEMENT RATION (0.4), HIGHEST AIR CONTENT RANGE, AND THE MOST STRINGENT CEMENT TYPE REQUIREMENT FOR EXPOSURE CLASSES BEING CONSIDERED.
4. AIR ENTRAIN FLOATING SLAB FOUNDATION TO THE REQUIREMENTS OF CSA STANDARD A23.1.
5. CONCRETE READY-MIX SUPPLIER TO BE A MEMBER IN GOOD STANDING WITH CONCRETE ONTARIO (READY MIX CONCRETE ASSOCIATION OF ONTARIO), OR OTHER APPLICABLE PROVINCIAL OR TERRITORIAL CODE IN EFFECT.
6. CONCRETE SUPPLIER AND CONTRACTOR RESPONSIBLE FOR CONCRETE ARE TO PROVIDE CONCRETE MEETING THE FOLLOWING CSA A23.1 EXPOSURE CLASSES:
   a. CLASS C-1
   CONCRETE EXPOSED TO CHLORIDES INCLUDING EXPOSURE TO DE-ICING SALTS DURING WINTER MONTHS WHERE IT CAN BE REASONABLY EXPECTED OVER A 50 YEAR SERVICE LIFE. (INDOOR AND OUTDOOR USE)
   b. CLASS C-XL
   STRUCTURALLY REINFORCED CONCRETE EXPOSED TO CHLORIDES OR OTHER SEVERE ENVIRONMENTS WITH, OR WTHOUT FREEZING AND THAWING CONDITIONS WITH HIGHER DURABILITY REQUIREMENTS THAN THE C-1 OR A-1 CLASSES
   c. CLASS F-2
   CONCRETE IN AN UNSATURATED CONDITION EXPOSED TO FREEZING AND THAWING, BUT NOT TO CHLORIDES
   d. CLASS N
   CONCRETE THAT WHEN IN SERVICE IS NEITHER EXPOSED TO CHLORIDES NOR TO FREEZING AND THAWING NOR TO SULPHATES, EITHER IN A WET OR DRY ENVIRONMENT
   e. CLASS N-CF
   INTERIOR CONCRETE FLOORS WITH A STEEL-TROWELLED FINISH THAT ARE NOT EXPOSED TO CHLORIDES, NOR TO SULPHATES, EITHER IN A WET OR DRY ENVIRONMENT,
   f. CLASS A-1
   STRUCTURALL REINFORCED CONCRETE EXPOSED TO SEVERE MANURE AND/OR SILAGE GASES, WITH OR WITHOUT FREEZE-THAW EXPOSURE.
   g. CLASS S-1
   CONCRETE SUBJECTED TO VERY SEVERE SUPLHATE EXPOSURES
   h. CLASS S-2
   CONCRETE EXPOSED TO SEVERE SUPHATE EXPOSURES
   i. CLASS S-3
   CONCRETE SUBJECTED TO MODERATE SULPHATE EXPOSURE AND TO SEAWATER OR SEAWATER SPRAY
   j. CLASS R-3
   RESIDENTIAL CONCRETE FOR RESIDENTIAL SLABS NOT EXPOSED TO FREEZING AND THAWING OR DEICING SALTS.

FOUNDATIONS

1. PROVIDE A SUBSURFACE INVESTIGATION (INCLUDING SOIL CONDITIONS, GROUND WATER CONDITIONS, RECOMMENDATIONS FOR SUBSLAB INSULATION AND EXTENSION BEYOND THE OUTSIDE EDGE OF THE SLAB AND SOIL BEARING CAPACITY) CARRIED OUT BY, UNDER THE DIRECTION OF THE A PERSON HAVING KNOWLEDGE AND EXPERIENCE IN SUCH AN INVESTIGATION TO A DEGREE APPROPRIATE FOR THE BUILDING AND ITS USE, THE GROUND, AND THE SITE CONDITIONS ON AN INGOING BASIS, AND DURING THE PLACEMENT OF ENGINEERED FILL/SUBGRADE (COMPACTED GRANULAR SUBGRADE MATERIAL) SUPPORTING THE FLOATING SLAB FOUNDATION.
2. THE FOUNDATION SLAB HAS BEEN DESIGNED FOR A MINIMUM SLS (SERVICE LOAD BEARING) BELOW RIGID INSULATION OF 1200psf (60KPa) ON FREE DRAINING GRANULAR ENGINEERED FILL COMPACTED IN 8" MAXIMUM LIFTS (ONE MINIMUM) @ 100% SPDD ABOVE COMPETENT INORGANIC SOIL MATERIAL, UNDISTURBED. IF THE SAFE NET BEARING PRESSURE USED FOR DESIGN IS NOT APPROVED BY A GEOTECHNICAL SPECIALIST (NOTE 1 ABOVE) USED FOR THIS DESIGN, THE FOUNDATION DETAILS WILL BE ADJUSTED BY THE ENGINEER ACCORDING TO THE ACTUAL SITE CONDITIONS. PLACE SUBGRADE MATERIAL TO DRAIN AWAY FROM THE SLAB UNDERSIDE.
3. REMOVE ANY SOFT, FROZEN, OR ORGANIC MATERIAL UNDER THE FLOATING SLAB FOUNDATION AND REPLACE WITH GRANULAR FREE DRAINAGE, COMPACTED MATERIAL AS NOTED IN (2) ABOVE. CONFIRM FULL COMPACTION IN ALL AREAS AND IN PARTICULAR AT COLUMN LOAD LOCATIONS AND ALONG THE EDGES OF THE SLAB.
4. PROTECT THE FLOATING SLAB FOUNDATION AND ADJACENT SOIL AGAINST FREEZING AND FROST ACTION AT ALL TIMES DURING CONSTRUCTION.
5. IF DURING CONSTRUCTION THE SOIL, ROCK OR GROUNDWATER CONDITIONS ARE FOUND TO BE NOT THE TYPE OR APPROPRIATE FOR THE CONDITION ASSUMED BY THE DESIGN NOTES AND DETAILS PROVIDED BY THE DRAWINGS, THE ENGINEER MUST BE NOTIFIED FOR POSSIBLE REASSESSMENT.
6. THE BEARING SURFACE OF THE FLOATING FOUNDATION SLAB NEED NOT BE BELOW THE LEVEL OF POTENTIAL DAMAGE FROM FROST WHERE:
   a. PROTECTION IS PROVIDED AGAINST FROST ACTION BY A SUITABLY INSULATED BASE PROVIDED BENEATH THE SLAB USING POLYSTYRENE RIGID FOAM SHEET INSULATION (AS SPECIFIED) OR APPROVED EQUIVALENT ACCORDING TO THE CANADIAN FOUNDATION DESIGN MANUAL WITH SUBSLAB AND PERIMETER INSULATION BELOW THE SLAB, OR
   b. THE FOUNDATION OVERLIES SOIL MATERIAL NOT SUSCEPTIBLE TO FROST ACTION, DUE TO THE PRESCENCE OF WATER BARRIER AND FREE DRAINING GRANULAR BASED SUBSOILS EXTENDED BELOW THE SLAB TO AT LEAST THE DEPTH OF POTENTIAL DAMAGE FROM FROST PENETRATION ACCORDING TO APPLICABLE CODE AND LOCATION.

INSULATION

I UNDER EDGE/END BEAMS WITH EXTERIOR EXTENSION

1. THICKNESS AND EXTENSION OF INSULATION AS DETAILED ON THESE DRAWINGS ARE BASED ON THE DESIGNERS `ASSUMPTIONS RELATIVE TO THE GENERAL GEOGRAPHIC LOCATION OF THE PROJECT. STRICT APPLICATION OF THE UNDERSLAB/EDGE INSULATION LOCAL FROST REQUIREMENTS HAVE NOT BEEN ESTABLISHED BY THE CONSULTANT ACCORDING TO THE LATEST ISSUE OF THE CANADIAN FOUNDATION ON ENGINEERING MANUAL REQUIRING THE LOCAL FREEZING INDEX, SOIL TYPE, AND GROUNDWATER CONDITIONS. AS SUCH, THESE SITE PARAMETERS MUCT BE VERIFIED BY A LOCAL GEOTECHNICAL INVESTIGATION (SEE FOUNDATION NOTES) WHICH WILL ESTABLISH MORE ACCURATE RECOMMENDATIONS IN THIS REGARD.
   MANUFACTURERS OF RIGID EXPANDED POLYSTYRENE INSULATION FREQUENTLY OFFER GUIDELINES FOR SELECTING INSULATION THICKNESS AND EXTENSION BEYOND THE SLAB IN FROST SUSCEPTIBLE AREAS.
2. USE TYPE 3 HIGH DENSITY INSULATION (RIGID EXPANDED POLYSTYRENE BOARD), JOINTS SEALED AND SHIPLAPPED, INTERLOCKING JOINTS ON ALL FOUR SIDES OF SHEETS, OR APPROVED EQUIVALENT. IF MORE THAN ONE LAYER IS USED, ALTERNATE THE SHEET POSITIONS TO AVOID JOINT LOCATIONS FROM BEING LINED UP (LAYER TO LAYER).
3. COMPRESSIVE STRENGTH: 60 psi (8640 psf).
4. THERMAL RESISTANCE: 4.0Hr °F ft²/BTU.
5. FLEXURAL STRENGTH 300psi MINIMUM.

II INTERIOR SLAB AREAS (BEYOND EDGE/END BEAMS)

1. REFER TO PREVIOUS NOTE (1) FOR EXTERIOR INSULATION, IN TERMS OF VARIFYING INSULATION THICKNESS.
2. USE AMVIS BUILDING SYSTEM, HYDROFOAM HYDRONIC FLOOR HEATING MOULDED INSULATION BOARD OR APPROVED EQUIVALENT, WITH MULTIDIRECTIONAL ANCHORING PROJECTIONS FOR ½" (13MM) OR 5/8" (16MM) HEATING PIPES (IN FLOOR). SHIPLAPPED INTERLOCKING JOINTS ON ALL FOUR SIDES OF SHEETS.
3. COMPRESSION STRENGTH = 30psi (4320 psf)
4. THERMAL RESISTANCE MINIMUM 10 °F ft²h/BTU (1.76 RSI)
5. FLEXURAL STRENGTH 75psi (10,800psf) MINIMUM.

NOTE: ALTERNATIVE TO HEATED BUILDINGS WITHOUT IN SLAB HEATING, (USE INSULATION SPECIFIED IN " I " ABOVE) BELOW ENTIRE SLAB

FORMWORK

AS PROVIDED BY MK5 MANUFACTURING LTD.

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NOTES BY ENGINEER:

1. THIS STRUCTURAL SLAB-ON-GRADE HAS BEEN DESIGNED IN ACCORDANCE WITH AND IN CONJUNCTION WITH REFERENCE MANUALS PROVIDED BY MK5 FLOATING FDN MFG LTD.
2. IF THE PERIMETER RIGID INSULATION IS OMITTED AND THE NATURAL SOIL BASE IS NOT FREE DRAINING GRANULAR MATERIAL AND/OR THE WATER IS NOT BELOW FROST DEPTH, THE SLAB-ON-GRADE MAY HEAVE RESULTING IN ADDITIONAL SLAB CRACKING AND DOOR AND WINDOW OPERATIONAL PROBLEMS DUE TO FROST AND THERMAL EFFECTS WHICH WILL NOT BE THE RESPONSIBILITY OF THE STRUCTURAL DESIGNER.
3. DRAWINGS TO BE READ IN CONJUNCTION WITH DRAWINGS PREPARED BY STEEL BUILDING MANUFACTURER.

THIS DRAWING IS THE PROPERTY OF A-D ENGINEERING GROUP LTD. (AD) AND MUST BE RETURNED TO AD ON REQUEST, ITS CONTENTS ARE CONFIDENTIAL. ANY INFORMATION FROM REVIEW OF THIS (THESE) DRAWINGS (OTHER THAN ITS INTENDED PURPOSES FOR THE NAMED PROJECT) IS EXPRESSLY FORBIDDEN WITHOUT WRITTEN AUTHORIZATION FROM AD.
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No.	Description	Date
1	Issued For Permit	04.15.24
2	General Revisions	10.23.24

Project Name: MK7 MANUFACTURING FOUNDATION FOR NEW 80FT x 40FT BUILDING FOR 2040503 ONTARIO INC.

Client: MK5 PRE-ENGINEERED FOUNDATIONS

Address: 15 TRADESMAN ROAD VARS, ONTARIO

SCALE: (AS SHOWN)

DATE: 10.28.24
DESIGNED: D.J.L.
DRAWN: J.J.
PROJ ENG: D.J.L.
APPROVED: D.J.L.

LICENSED PROFESSIONAL ENGINEER
10.28.24
D. J. LEHMAN
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PROVINCE OF ONTARIO

SHEET NO. S2

Title: NOTES

Project # 240329

FOUNDATION NOTES:

1. SEE NOTES INCLUDED FOR "REQUIREMENTS OF APPLICABLE PROVINCIAL OR TERRITORIAL BUILDING CODES".

2. THE FOUNDATION SLAB HAS BEEN DESIGNED FOR MINIMUM SLS (ALLOWABLE BEARING BELOW RIGID INSULATION) OF 1200PSF ON FREE DRAINING GRANULAR ENGINEERED FILL COMPACTED IN 8" MAX. LIFTS @ 100% SPDD ABOVE SOLID BEDROCK.

3. THE ASSIGNED SAFE NET BEARING PRESSURE FOR SHALL BE CONFORMED BY GEOTECHNICAL ENGINEERON SITE. IF THE SAFE NET BEARING PRESSURE USED FOR DESIGN IS NOT APPROVED, THE FOUNDATION DETAILS WILL BE ADJUSTED BY THE ENGINEER ACCORDING TO THE ACTUAL SITE CONDITIONS. SUBGRADE MUST DRAIN FROM SLAB UNDERSIDE.

4. REMOVE ANY SOFT, FROZEN, OR ORGANIC MATERIAL UNDER THE FLOATING SLAB FOUNDATION AND REPLACE WITH 3/4" CLEAR STONE OR FREE DRAINING GRANULAR BASE ENGINEERED FILL COMPACTED TO 100% SPMDD IN 8" MAXIMUM LIFTS (MIN. 8" SUBGRADE COMPACT GRANULAR SUB-BASE BELOW FLOATING SLAB FOUNDATION).

5. PROTECT THE FLOATING SLAB FOUNDATION AND ADJACENT SOIL AGAINST FREEZING AND FROST ACTION AT ALL TIMES DURING CONSTRUCTION.

6. EXCAVATE BELOW FLOATING SLAB FOUNDATION TO UNDISTURBED INORGANIC NATURAL SOIL BASE HAVING A MINIMUM ALLOWABLE BEARING CAPACITY (SLS) OF AT LEAST 50 kPa (1000 PSF). REMOVE ANY SOFTENED SOIL PRIOR TO PLACING THE COMPACTED GRANULAR FILL (COMPACT TO 100% SPDD IN 8" MAXIMUM LIFTS) AND CONCRETE FLOATING SLAB FOUNDATION.

STRUCTURAL STEEL NOTES:

1. CONFORM TO CSA S16 FOR DESIGN, FABRICATION, AND ERECTION OR STRUCTURAL STEEL.

2. COMPLY TO THE REQUIREMENTS OF CSA G40.21 GRADE 300W (MINIMUM 44,000PSI YIELD STRENGTH).

3. HOT DIP GALVANIZE ALL EXTERIOR STEEL MEMBERS TO THE REQUIREMENTS OF CSA G164. TOUCH UP ALL AREAS NOT GALVANIZED WITH ZINC RICH PAINT CONFORMING TO CGSB STANDARD 1-181M.

STEEL REINFORCEMENT

1. PRIMARY STEEL REINFORCEMENT FOR EDGE AND END SLAB BEAMS, 5/8 Ø @ 5'C/C GRID STEEL
   a. DYWIDAG SYSTEMS INTERNATIONAL (PSI) BARS
      (PSI THREAD BAR)
      - 5/8" GRADE 150 FORMWORK BAR
      - 7/8" GRADE 160 POST TENSION BAR
      - 1", 1-1/4" AND 1 3/8" GRADE 150 POST TENSION BAR
      - FULL STRENGTH COUPLERS (STAGGER LOCATIONS @ 2'-0" MINIMUM CENTRES)
      - HEXAGONAL NUT END ANCHORAGE

2. SUPPLEMENTRY STEEL (ADDITIONAL REINFORCEMENT AT COLUMNS)
   a. GRADE 400 CONVENTIONAL 15M REINFORCEMENT, DEFORMED BARS GRADE 400 (MINIMUM YIELD 400MPA OR 60,000PSI)
      - COMPLY WITH THE REQUIREMENTS OF CSA-630.18
      - DETAIL AND BEND THE REINFORCING STEEL AS OUTLINED IN THE LATEST ISSUE OF THE REINFORCING STEEL MANUAL OF STANDARD PRACTICE PUBLISHED BY THE REINFORCING STEEL INSTITUTE OF CANADA.
      - LAP CONTINUOUS 15M REINFORCING STEEL 24 INCHES MINIMUM AT SPLICES STAGGERED AT 24" MINIMUM CENTRES

3. ALTERNATIVE TO SUPPLEMENTRY STEEL IN 2. ABOVE (WHERE NOTED ON DRAWINGS)
   a. V ROD FIBREGLASS REBAR (5/8" DIAMETER)
      - ULTIMATE TENSILE STRENGTH 118KSI (800MPA)
      - MODULUS OF ELASTICITY 5800KSI (40GPA)
      - COMPLY WITH
        1. CSA S807-19 FRP
        2. CSA S806-12 (BUILDING CODE) AND
        3. CAN/CSA CHBDC S6-19 (BRIDGE CODE)

4 . GRID STEEL BARS @ 5'-0" c/c MAX. EACH WAY
- 5/8" GRADE 60 (THREADED) WITH FULL STRENGTH COUPLERS AND NUTS

NONMETALLIC FIBRE REINFORCEMENT

1. CONFORM TO THE REQUIREMENTS OF EUROPEAN STANDARDS EN 14889-2-2006 FIBRES FOR CONCRETE PART 2 CLASS 1A AND CARRIES CE MARKING. FIBRE REINFORCED CONCRETE TO BE PREPARED AND PLACED TO THE REQUIREMENTS OF ASTM C1116

2. USE PROPEX (NON-METALLIC) FIBREMESH POLYOLEFIN FIBRES CONFORMING TO ASTM C1116 AND EN 14889-2-2006 CLASS II MANUFACTURED SPECIFICALLY FOR THE REINFORCEMENT OF CONCRETE

3. FIBRE MESH PRODUCTS SPECIFIED BELOW (OR THEIR APPROVED EQUIVALENTS) TO BE USED ACCORDING TO THEIR APPLICATIONS GIVEN BELOW, FIBRE MESH PRODUCTS TO BE USED IN STRICT ACCORDANCE TO MANUFACTURER'S INSTRUCTIONS.

   a. RESIDENTIAL/LIGHT COMMERCIAL:
   PROPEX FIBRE MESH 150-e3 FOR TYPICAL RESIDENTIAL SYNTHETIC FIBRE POLYPROPYLENE MULTI FILAMENT (MONOFILAMENT) FIBRES.
   PROPEX MESH 300-e3 FOR LIGHT MEDIUM COMMERCIAL 100% VIRGIN HOMOPOLYMER POLYPROPYLENE FIBRILLATED FIBRES.

   b. MEDIUM TO HEAVY COMMERCIAL:
   PROPEX FIBRE MESH 650-e3 ENGINEERED GRADED MACRO-SYNTHETIC FIBRE FOR INCREASED INTER FACIAL BONDING AND FLEXURAL TOUGHNESS (ENGINEERED FOR USE AS CONCRETE REINFORCEMENT).

   c. INDUSTRIAL
   PROPEX ENDURO 600 MACRO-SYNTHETIC FIBRE (FOR STRESS RESISTANCE PRIOR TO AND POST CRACKING, IMPACT RESISTANCE, INTENSE LOADING CONDITIONS INCLUDING DYNAMIC WHEEL LOADS; STATIC RACK LOADS, IMPACT RESISTANCE FROM FALLING LOADS, AND VIBRATION FROM PRODUCTION MACHINES).

4. SYNTHETIC FIBRE REINFORCEMENT TO CONTROL PLASTIC SHRINKAGE CRACKING (100%) VIRGIN POLYPROPYLENE FIBRES ADDED AT THE CONCRETE BATCHING PLANT AT A RATE OF:

   a. 0.9KG/M³ OF CONCRETE FOR DE-FRIBRILLATED FIBRES, AND

   b. 0.6KG/M³ OF CONCRETE MONOFILAMENT FIBRES.

FLOATING SLAB DESIGN ASSUMPTIONS:

1. SLAB DESIGN LIVE LOADS (SERVICE LOADS)

   a. 125 LBS/SQUARE FT. UNIFORM LOAD.

   b. 2000LBS MAXIMUM INTERIOR WHEEL LOAD. THE ENGINEER FOR THE FOUNDATIONS HAS NOT BEEN PROVIDED WITH SITE SPECIFIC DESIGN LOADS AND BUILDING SUPERSTRUCTURE BASE DESIGN REACTIONS. CONFIRM THAT THESE SLAB LOADINGS DO NOT EXCEED THE ASSUMED DESIGN LOADINGS PROVIDED BY NOTES ABOVE.

   c. LOADINGS DURING AND AFTER CONSTRUCTION NOT IN COMPLIANCE WITH THE ABOVE LIMITATIONS SHALL NOT BE PERMITTED. AVOID THE USE OF BRITTLE MATERIALS SUBJECT TO CRACKING SUCH AS MASONRY, TILE, DRYWALL, GLASS, ETC.

2. EMBEDDED PIPES AND OPENINGS IN THE FLOATING SLAB FOUNDATION FOR MECHANICAL OR OTHER SERVICES) SHALL BE LOCATED SO AS TO HAVE A NEGLIGIBLE IMPACT ON THE STRENGTH OF THE SLAB.

3. TOLERANCE FOR PLACING OF REINFORCEMENT SHALL COMPLY WITH CSA A23.1.

4. PROVIDE ADDITIONAL REINFORCEMENT AT SERVICE DOORS AND ENTRIES.

5. SLOPE EXTERIOR GRADE AWAY FROM PERIMETER OF FLOATING SLAB FOUNDATION.

6. COMPACT FREE DRAINING GRANULAR MATERIAL BELOW CONCRETE FLOATING SLAB FOUNDATION AND RIGID EPS INSULATION IN 8" MAXIMUM LIFTS TO 100% SPMDD.

REQUIREMENTS OF APPLICABLE PROVINCIAL OR TERRITORIAL BUILDING CODE:

1. WHERE CONCRETE IN FOUNDATIONS MAY BE SUBJECT TO CHEMICAL ATTACK (SUCH AS SOIL SULPHATES, ALUMINUM NITRATE, DEICING SALTS, OR CHEMICALS IN CONTACT WITH THE SLAB INSIDE THE BUILDING), IT SHALL BE TREATED IN CONFORMANCE WITH THE REQUIREMENTS OF CSA A23.1 "CONCRETE MATERIALS AND METHODS OF CONCRETE CONSTRUCTION".

NOTE REGARDING OMISSION OF CONTROL JOINTS IN FLOATING SLAB FOUNDATION:

THIS FLOATING FOUNDATION HAS BEEN DESIGNED AS A STRUCTURAL REINFORCED CONCRETE SLAB SUBJECT TO BENDING STRESSES IN THE SAME MANNER AS A SUSPENDED REINFORCED CONCRETE SLAB. CRACK SHRINKAGE CONTROL JOINTS HAVE NOT BEEN SPECIFIED IN THE FORM OF SAWCUTS WHICH WOULD THEREFORE WEAKEN THE SLAB. IN ORDER TO REDUCE THE APPEARANCE OF RANDOM SHRINKAGE CRACKS, ADDITIONAL REINFORCEMENT HAS BEEN SPECIFIED FOR THE SLAB, IN MUCH THE SAME MANNER AS FOR SUSPENDED SLAB. FURTHERMORE, FIBRE REINFORCEMENT HAS BEEN SPECIFIED FOR THE CONCRETE MIX (FOR WHICH THE WATER/CEMENT MUST NOT EXCEED 0.50) TO FURTHER REDUCE SHRINKAGE EFFECTS. ALSO NOTE DISCLAIMER SHEET D.

IMPORTANT NOTE:

THE DETAILS, TERMS, AND CONDITIONS GIVEN IN THIS DRAWING SET (S1 TO S6 INCLUSIVE) ARE TO BE PROVIDED BY THE INSTALLER (FOR THE CONSTRUCTION) AND BY THE USERS OF THE BUILDING DURING ITS SERVICE LIFE. FAILURE TO ADOPT THE ABOVE REQUIREMENTS WILL NOT BE THE RESPONSIBILITY OF A-D ENGINEERING GROUP LTD.

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NOTES BY ENGINEER:

1. THIS STRUCTURAL SLAB-ON-GRADE HAS BEEN DESIGNED IN ACCORDANCE WITH AND IN CONJUNCTION WITH REFERENCE MANUALS PROVIDED BY MK5 FLOATING FDN MFG LTD.

2. IF THE PERIMETER RIGID INSULATION IS OMITTED AND THE NATURAL SOIL BASE IS NOT FREE DRAINING GRANULAR MATERIAL AND/OR THE WATER IS NOT BELOW FROST DEPTH, THE SLAB-ON-GRADE MAY HEAVE RESULTING IN ADDITIONAL SLAB CRACKING AND DOOR AND WINDOW OPERATIONAL PROBLEMS DUE TO FROST AND THERMAL EFFECTS WHICH WILL NOT BE THE RESPONSIBILITY OF THE STRUCTURAL DESIGNER.

3. DRAWINGS TO BE READ IN CONJUNCTION WITH DRAWINGS PREPARED BY STEEL BUILDING MANUFACTURER.

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No.	Description	Date
1	Issued For Permit	04.15.24
2	General Revisions	10.23.24

Project Name: MK7 MANUFACTURING FOUNDATION FOR NEW 80FT x 40FT BUILDING FOR 2040503 ONTARIO INC.

Client: MK5 PRE-ENGINEERED FOUNDATIONS

Address: 15 TRADESMAN ROAD VARS, ONTARIO

SCALE: (AS SHOWN)

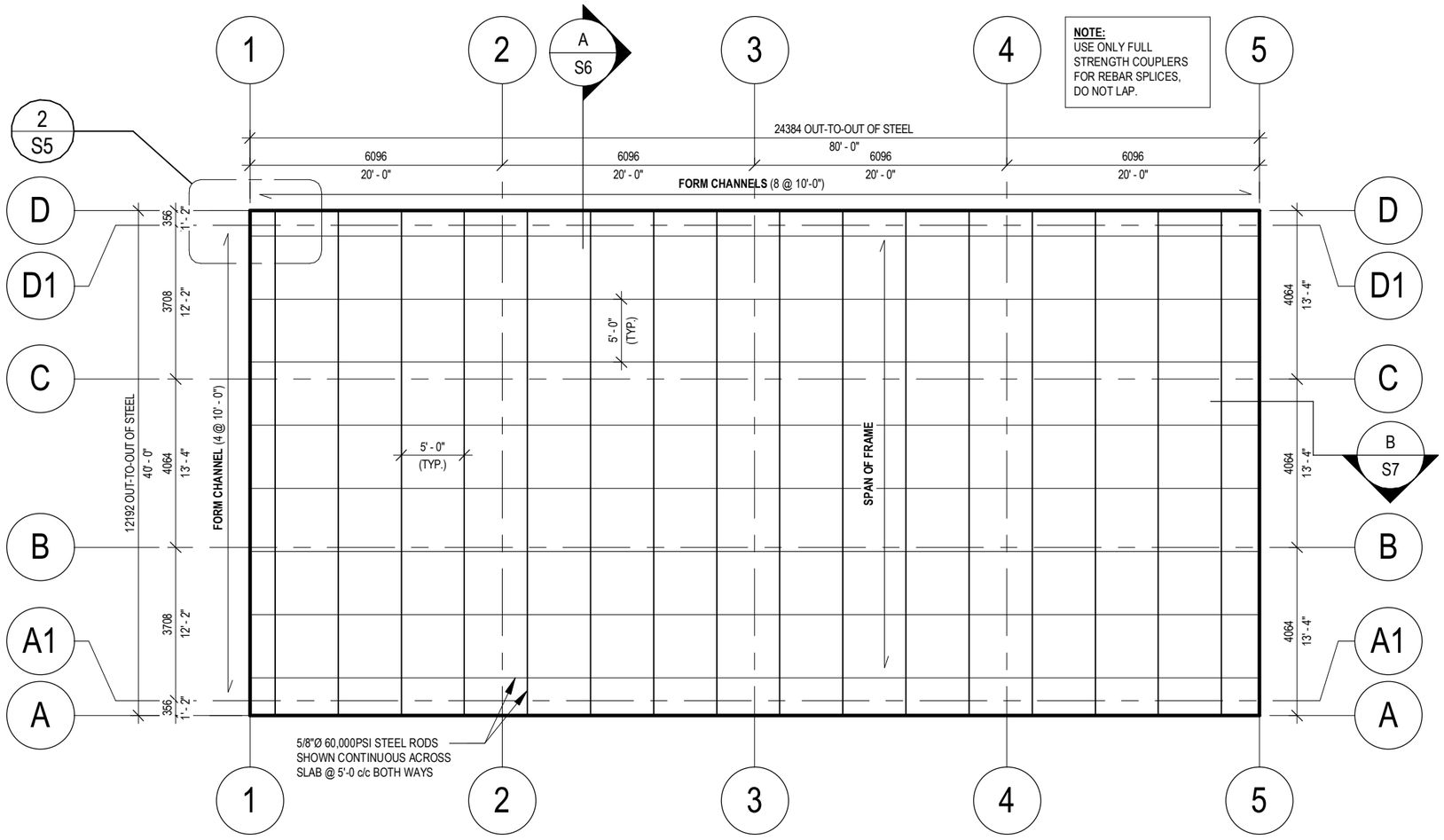
DATE: 10.28.24
DESIGNED: D.J.L.
DRAWN: J.J.
PROJ ENG: D.J.L.
APPROVED: D.J.L.

LICENSED PROFESSIONAL ENGINEER
10.28.24
D. J. LEHMAN
26361014
STRUCT.
PROVINCE OF ONTARIO

SHEET NO. S3

Title: NOTES

Project # 240329



1 FOUNDATION REINFORCEMENT PLAN COUPLER - FULL STRENGTH OF BARS

3/32" = 1'-0"

SLAB-ON-GRADE NOTE:
7" THICK POURED CONCRETE SLAB-ON-GRADE WITH 7"x3'-0" WIDE EXTERIOR BEAM ON ALL 4 SIDES. 18.5 KIP T-BAR @ 5'-0" c/c BOTH WAYS BOTTOM ABOVE MIN. 8" COMPACT GRANULAR MATERIAL CONCRETE REINFORCED WITH FIBRE MESH PLACED IN CONCRETE MIX ACCORDING TO OPTIONS PROVIDED ON SHEET No. S3, U.N.O.

IMPORTANT NOTICE:
THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO CHECK AND VERIFY ALL EXISTING SITE DIMENSIONS WITH DRAWINGS AND REPORT ALL DISCREPANCIES AND OMISSIONS TO THE STRUCTURAL ENGINEER, PRIOR TO CONSTRUCTION (DO NOT SCALE THESE DRAWINGS).

MANUFACTURER STANDARD NOTES:
a) FOR ALL DIMENSIONS OF ENDWALL & SIDEWALL BASE ANGLES OR BASE ANGLE CONNECTORS, INCLUDING LOCATION & SIZES OF ALL PRE- DRILLED HOLES ON ALL ANGLES, REFER TO DRAWING OR REFERENCE MANUALS PROVIDED BY MK5 FLOATING FDN MFG LTD. (NOTE: THIS WILL NOT BE THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER).
b) ALL FRAME REACTIONS HAVE BEEN PROVIDED BY STEEL BUILDING MANUFACTURER.

NOTE:
DO NOT INSTALL CONTROL JOINTS (SAWCUTS) IN SLAB.

OTHER NOTES:
1. CONTRACTOR/BUILDER TO CONFIRM COMPATIBILITY OF BUILDING DETAILS AND LOADS WITH FINAL CERTIFIED BUILDING DRAWINGS AND THESE FOUNDATION DRAWINGS.

IMPORTANT NOTE:
THIS MK7 SLAB FOUNDATION DESIGN IS BASED ON PART 4 OF THE ONTARIO BUILDING CODE.

IMPORTANT NOTE:
THESE DRAWINGS ARE FOR PRE-ENGINEERED STEEL BUILDINGS ONLY.

IMPORTANT NOTES:
THE FOUNDATION SHOWN ABOVE HAS BEEN DESIGNED AS A FLOOR-ON-GROUND SUPPORTING LOADS FROM THE SUPERSTRUCTURE ACCORDING TO PART 4 OF THE ONTARIO BUILDING CODE.

ADJUST DEPTH OF SOIL COVER OR REPOSITION RIGID INSULATION IN AREAS WHERE HOT LAID ASPHALT IS INSTALLED ADJACENT TO EDGE OF SLAB TO PROTECT THE INSULATION FROM HEAT.

CONFIRM WITH LOCAL CONSERVATORY AUTHORITY IF FLOOD PLANE DESIGN REGULATIONS APPLY TO THIS PARTICULAR BUILDING SITE AND NOTIFY ENGINEER FOR BUILDING DESIGN

IMPORTANT NOTE FOR SITE GRADING AROUND THE MK5 FOUNDATION SLAB

THE SITE MUST BE SLOPED TO DRAIN WATER AWAY FROM ALL SIDES OF THE BUILDING. LIKEWISE THE GROUNDWATER MUST BE CAPABLE OF DRAINING OUT FROM THE DRAINABLE SUBGRADE FILL MATERIAL (NO MORE THAN 10% FINES PASSING THROUGH A #200 SIEVE), REFERRING TO EARLIER NOTES IN THIS DRAWING SET. LAYERS AS FOLLOWS:

1. REMOVE TOPSOIL AND ORGANIC MATERIAL TO COMPETANT NATURAL UNDISTURBED SOIL MATERIAL BASE,
2. BACKFILL AND COMPACT GRANULAR ENGINEERED FILL AS SPECIFIED, CAPABLE OF SUPPORTING AT LEAST 60KPa (1200PSF) SLS SERVICE LOAD,
3. INSTALL GRANULAR BASE COMPACTED AS NOTED IN (2) ABOVE AND INSTALL INSULATION AS REQUIRED (SHIPLAPPED AND SEALED AT JOINTS) ABOVE FINISH EXTERIOR GRADE AS DETAILED. PLACE INSULATION BEYOND EXTERIOR EDGES OF THE FOUNDATION SLAB TO PERMIT DRAINAGE AWAY FROM THE BUILDING.
4. INSTALL MK5 SLAB ABOVE GRADE AS SPECIFIED AND ACCORDING TO REGULATION, WITH FINISH GRADE SLOPED AWAY FROM THE SLAB EDGE.

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LICENSED PROFESSIONAL ENGINEER
10.28.24
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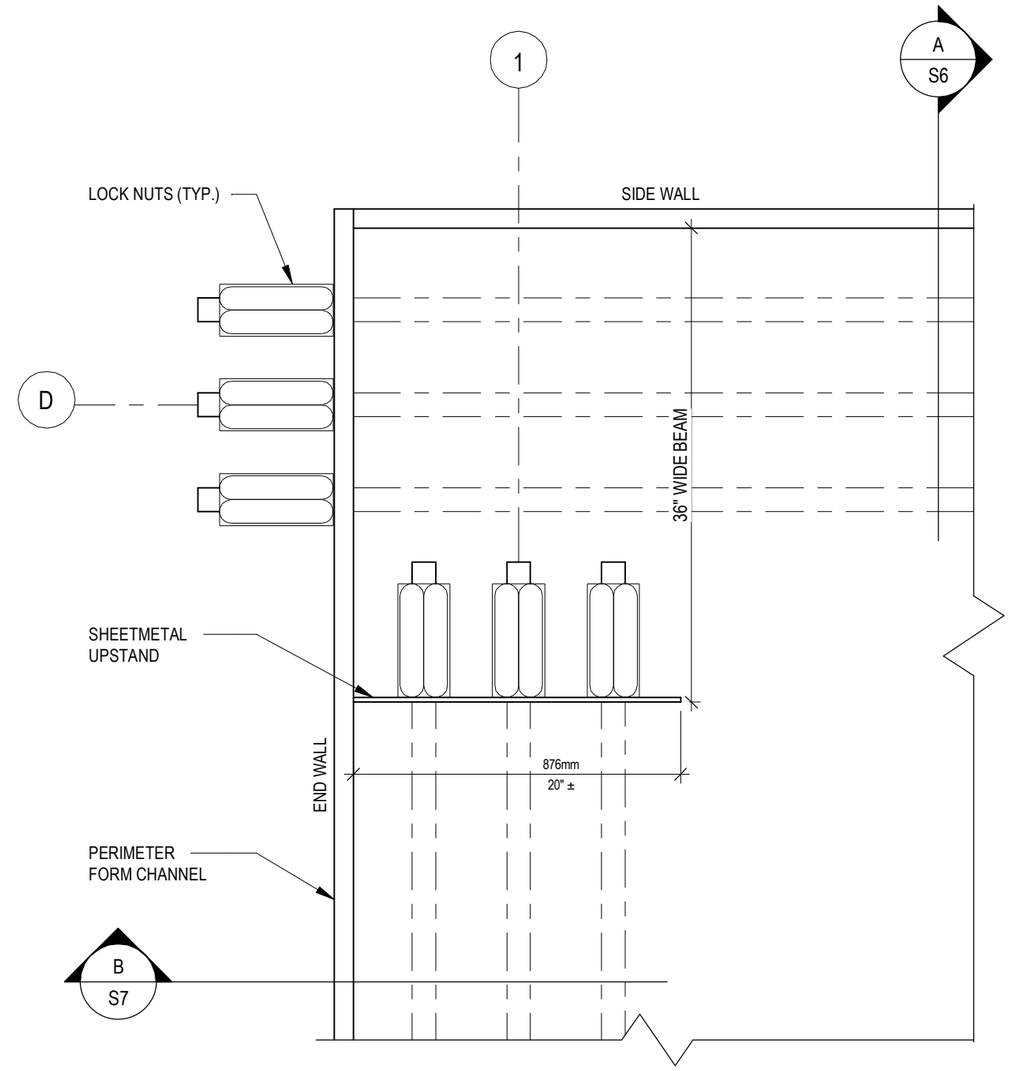
PROVINCE OF ONTARIO

SHEET NO. S4

Title: FOUNDATION REINFORCEMENT PLAN

Project # 240329



2 CORNER DETAIL (OTHER 3 CORNERS SIMILAR)

NTS

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2. IF THE PERIMETER RIGID INSULATION IS OMITTED AND THE NATURAL SOIL BASE IS NOT FREE DRAINING GRANULAR MATERIAL AND/OR THE WATER IS NOT BELOW FROST DEPTH, THE SLAB-ON-GRADE MAY HEAVE RESULTING IN ADDITIONAL SLAB CRACKING AND DOOR AND WINDOW OPERATIONAL PROBLEMS DUE TO FROST AND THERMAL EFFECTS WHICH WILL NOT BE THE RESPONSIBILITY OF THE STRUCTURAL DESIGNER.
3. DRAWINGS TO BE READ IN CONJUNCTION WITH DRAWINGS PREPARED BY STEEL BUILDING MANUFACTURER.

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No.	Description	Date
1	Issued For Permit	04.15.24
2	General Revisions	10.23.24

Project Name: MK7 MANUFACTURING FOUNDATION FOR NEW 80FT x 40FT BUILDING FOR 2040503 ONTARIO INC.

Client: MK5 PRE-ENGINEERED FOUNDATIONS

Address: 15 TRADESMAN ROAD VARS, ONTARIO

SCALE: (AS SHOWN)

DATE: 10.28.24

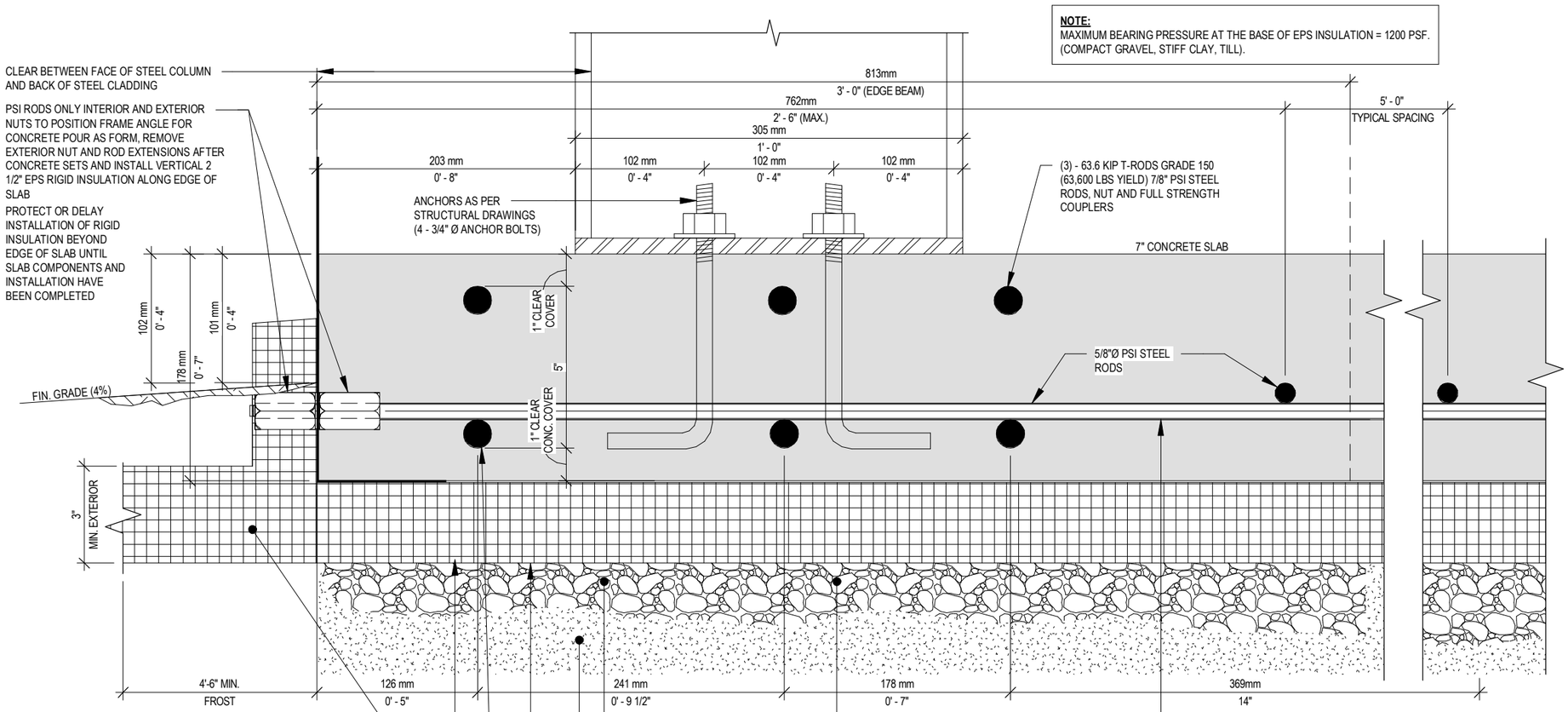
LICENSED PROFESSIONAL ENGINEER
10.28.24
D. J. LEHMAN
26361014
STRUCT.
PROVINCE OF ONTARIO

DESIGNED: D.J.L.
DRAWN: J.J.
PROJ ENG: D.J.L.
APPROVED: D.J.L.

SHEET NO. S5

Title: ANCHOR BOLT DETAIL/CORNER DETAIL

Project # 240329



NOTE:
MAXIMUM BEARING PRESSURE AT THE BASE OF EPS INSULATION = 1200 PSF. (COMPACT GRAVEL, STIFF CLAY, TILL).

INSULATION DETAILS INDICATED REPRESENTS EXPANDED POLYSTYRENE INSULATION BOARD (OR APPROVED EQUIVALENT) TO PREVENT FROST HEAVE AND/OR AS REQUIRED BELOW SLAB BEAM WITH INSULATION EXTENDING BEYOND THE EDGES OF THE SLAB. AS A GENERAL REQUIREMENT, (3" MINIMUM INSULATION THICKNESS) OR AS DETERMINED BY THE PROPERTIES OF THE INSULATION USED. THE INSULATION SHOULD EXTEND 4' - 6" (MIN.) PERPENDICULAR TO THE PERIMETER OF THE SLAB. THE THICKNESS OF THE EPS INSULATION AND EXTENSION, AS A GENERAL RULE. (SEE FOUNDATION NOTES 6(a) AND 6(b) AND INSULATION NOTES **I** (1-5) AND **II** (1-5) ON SHEET No. S2)

INTERIOR SLAB INSULATION THICKNESS FOR HEATED SLABS TO BE DETERMINED BY IN-FLOOR-HEAT MANUFACTURE. STRUCTURAL ENGINEER ASSUMES NO RESPONSIBILITY FOR THE PERFORMANCE OF THE IN-FLOOR-HEAT SYSTEMS AND ITS ABILITY TO PREVENT FROST PENETRATION. (MAX. HEAT TUBE Ø ASSUMED TO BE 5/8" AT BOTTOM OF SLABS.)

(3) - 63.6 KIP T-RODS GRADE 150 (63,600 LBS YIELD) 7/8" PSI STEEL RODS, NUT AND FULL STRENGTH COUPLERS

2 1/2" 30 PSI EPS FOR **HEATED BUILDINGS** U.N.O. BY IN-FLOOR HEAT MANUFACTURER. FOR **UNHEATED BUILDINGS** THICKENESS OF INSULATION IS THE SAME AS SHOWN FOR THE EXTERIOR (3")

WHEN USING LOGIX HEAT-SHEET RADIANT FLOOR HEATING INSULATION (OR APPROVED EQUIVALENT):
- ENSURE COMPLETELY LEVEL COMPACTED GRANULAR BASE AS THE PANELS DO NOT INTERLOCK, AND
- ADDITIONAL VAPOUR BARRIER MAY NOT BE REQUIRED USING TYPE 3 EPS PER CAN/ULC S701 AND THE NATIONAL BUILDING CODE AS PER ASTM C578 (CONFIRM WITH LOCAL BUILDING OFFICIAL).
PLACE 4' - 0" X 2' - 0" SHEETS OF 4 SIDED LOCK PANELS (TAPING OPTIONAL FOR TIGHT FITTING LOCK PANELS U.N.O.) IN STAGGERED (RUNNING BOND) PATTERN.

FREE DRAINAGE WELL GRADED GRAVEL OR 1/4" HIGH PERFORMANCE STONE BACKFILL COMPACTED IN 6" LAYERS TO 100% SPDD, PROVIDE DRAINAGE TO EXTERIOR. FINISH MINIMUM 2" ABOVE EXISTING GRADE LEVEL

COMPETENT NATURAL SOIL BASE

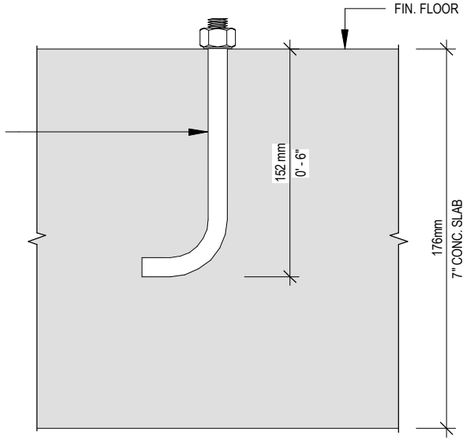
CONFIRM LEVEL BASE OF FULLY COMPACTED GRAVEL/STONE PRIOR TO PLACEMENT OF RIGID INSULATION

5/8"Ø THREADED STEEL RODS, MINIMUM YIELD 60,000 PSI (18.5 KIP) @ 5' - 0" c/c MAX. EACH WAY

NOTE: AVOID CONTACT OF DEICERS OR SALT SOLUTIONS WITH TOP AND EDGE OF SLAB.

A TYPICAL FRAME SECTION (SIDE WALLS)

NTS



CONFIRM EMBEDDED LENGTHS OF ANCHOR BOLTS PRIOR TO POURING CONCRETE

YIELD STRESS = 36,000 PSI MIN., ULTIMATE TENSILE = 55,000 PSI MIN.

1 ANCHOR BOLT DETAIL (TYP.)

NTS

A-D ENGINEERING GROUP LTD.
45 ERIC T. SMITH WAY UNIT 6, AURORA, ON L4G 7C6
O: 905-898-3514 T.F: 1-855-998-3514 F: 905-898-1998
info@adengineering.ca www.adengineering.ca

NOTES BY ENGINEER:

1. THIS STRUCTURAL SLAB-ON-GRADE HAS BEEN DESIGNED IN ACCORDANCE WITH AND IN CONJUNCTION WITH REFERENCE MANUALS PROVIDED BY MK5 FLOATING FDN MFG LTD.
2. IF THE PERIMETER RIGID INSULATION IS OMITTED AND THE NATURAL SOIL BASE IS NOT FREE DRAINING GRANULAR MATERIAL AND/OR THE WATER IS NOT BELOW FROST DEPTH, THE SLAB-ON-GRADE MAY HEAVE RESULTING IN ADDITIONAL SLAB CRACKING AND DOOR AND WINDOW OPERATIONAL PROBLEMS DUE TO FROST AND THERMAL EFFECTS WHICH WILL NOT BE THE RESPONSIBILITY OF THE STRUCTURAL DESIGNER.
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Client: MK5 PRE-ENGINEERED FOUNDATIONS

Address: 15 TRADESMAN ROAD VARS, ONTARIO

SCALE: (AS SHOWN)

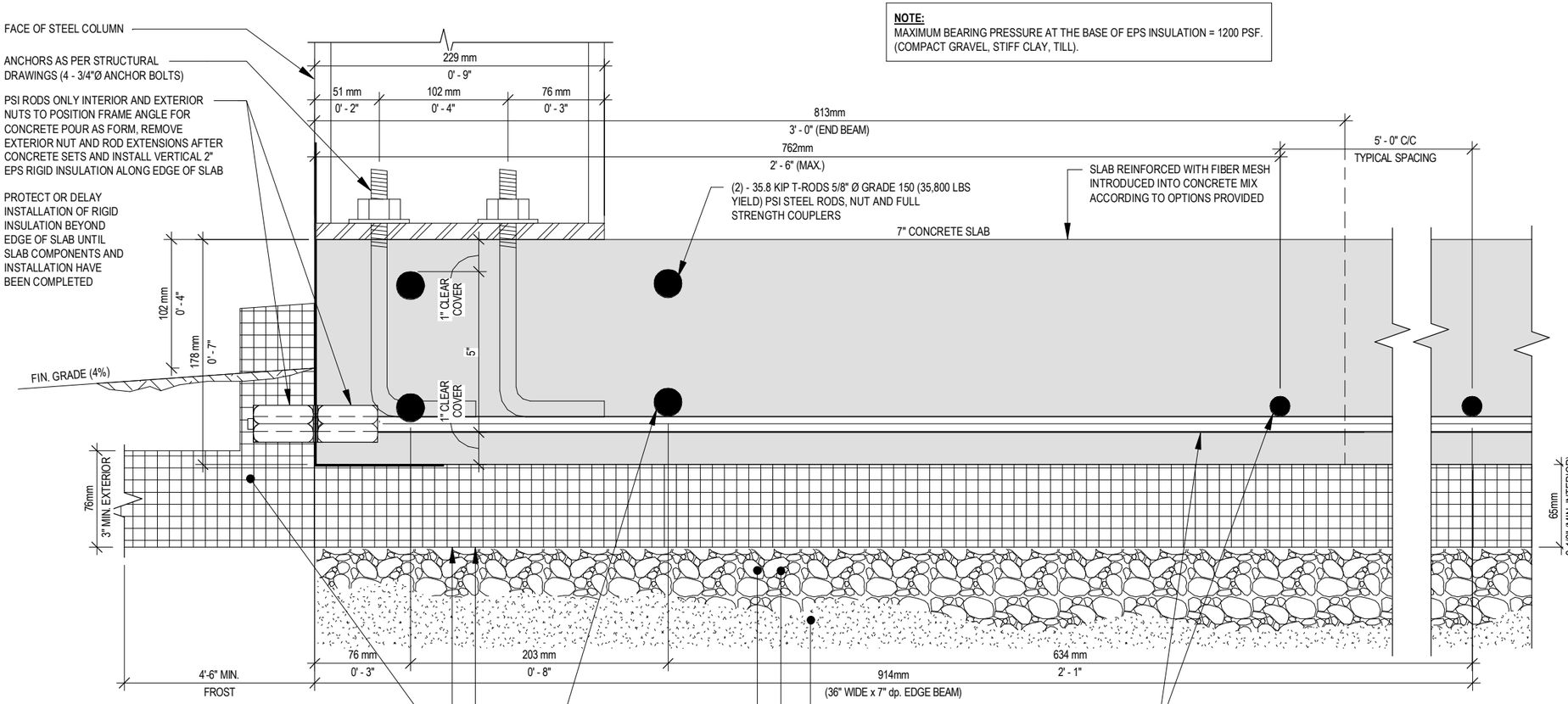
DATE: 10.28.24
DESIGNED: D.J.L.
DRAWN: J.J.
PROJ ENG: D.J.L.
APPROVED: D.J.L.

LICENSED PROFESSIONAL ENGINEER
10.28.24
D. J. LEHMAN
26361014
STRUCT.
PROVINCE OF ONTARIO

SHEET NO. S6

Title: TYPICAL FRAME SECTION (SIDE WALLS)

Project # 240329



NOTE:
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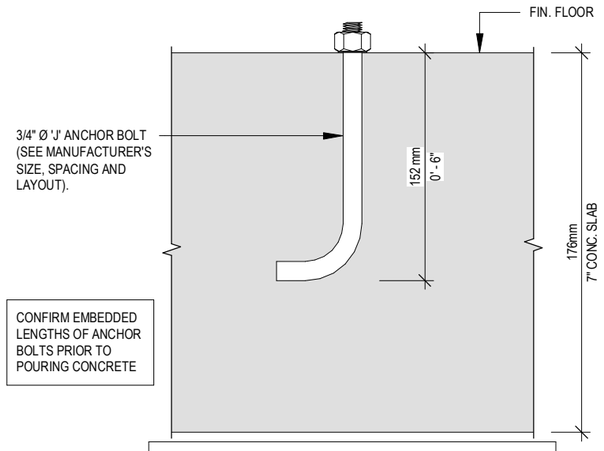
NOTE: AVOID CONTACT OF DEICERS OR SALT SOLUTIONS WITH TOP AND EDGE OF SLAB.

B TYPICAL FRAME SECTION (END WALLS)

NTS



CONFIRM EMBEDDED LENGTHS OF ANCHOR BOLTS PRIOR TO POURING CONCRETE

YIELD STRESS = 36,000 PSI MIN., ULTIMATE TENSILE = 55,000 PSI MIN.

1 ANCHOR BOLT DETAIL (TYP.)

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SCALE: (AS SHOWN)

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LICENSED PROFESSIONAL ENGINEER
10.28.24
D. J. LEHMAN
26361014
STRUCT.
PROVINCE OF ONTARIO

SHEET NO. S7

Title: TYPICAL FRAME SECTION (END WALLS)

Project # 240329