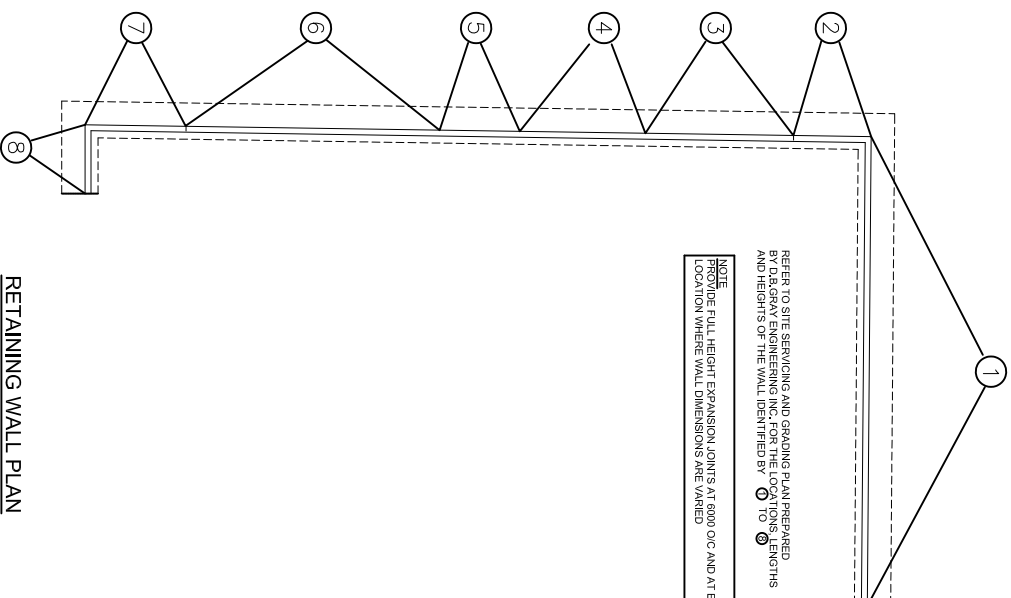
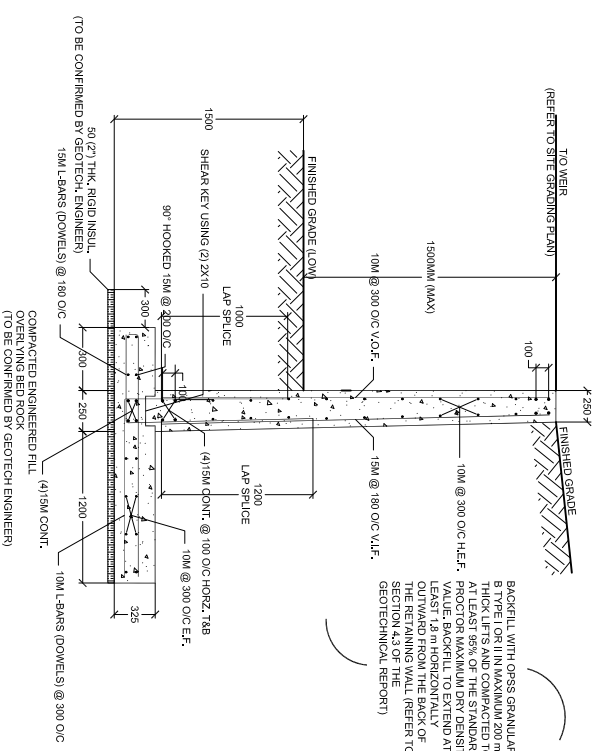


REFER TO SITE SERRICING AND GRADING PLAN PREPARED BY D&S ENGINEERING INC. FOR THE LOCATIONS, LENGTHS AND HEIGHTS OF THE WALL IDENTIFIED BY ① TO ⑧

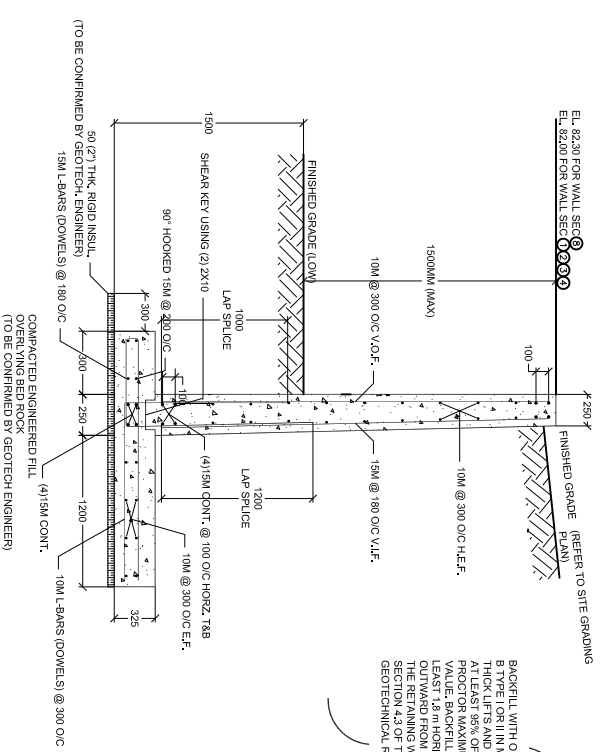
NOTE: PROVIDE FULL HEIGHT EXPANSION JOINTS AT 6000 O.C. AND AT EVERY LOCATION WHERE WALL DIMENSIONS ARE VARYED



RETAINING WALL PLAN (NORTH WEST CORNER OF SITE PLAN)



WALL DETAILS ①



WALL DETAILS ②

1) CONCRETE

CONCRETE WORK SHALL COMPLY WITH CSA-A23.3:14
SUBMIT FOR REVIEW THE PROPOSED MIX DESIGN FOR EACH CLASS OF CONCRETE
PROVIDE EXPANSION JOINTS @ 6000 O.C. MAX.

1.1	CONCRETE STRENGTHS	28 DAYS STRENGTH	SLUMP MAX.	EXPOSURE CLASS
	SLABS-ON-GRADE	25 MPa	75 mm	N
	FOOTINGS, TYP. FOUNDATION WALLS	25 MPa	75 mm	F-2
	RETAINING WALLS	35 MPa	75 mm	C-1
	PAVEMENTS & WALLS	32 MPa	80 mm	C-2

*OBTAIN THESE SLUMPS WITH AID OF SPECIFIED WATER REDUCING AGENT
NOTE: ALL CONCRETE EXPOSED TO EXTERIOR CONDITIONS TO HAVE MIN. 6% AIR ENTRAINMENT

1.2	CONCRETE COVER (CLEAR TO REINFORCING)
US FOOTINGS (AGAINST SOIL)	75 mm
US FOOTINGS (NOT AGAINST SOIL)	50 mm
FOOTINGS (SIDES & TOP)	50 mm
WALLS (AGAINST SOIL)	50 mm
WALLS (NOT AGAINST SOIL)	25 mm
SLABS	25 mm (MIN)
BEAMS	40 mm (TO TIES)
COLUMNS	40 mm (TO TIES)
PIERS	50 mm (TO TIES)

1.3	REINFORCING STEEL
DETAIL AND PLACE REINFORCING STEEL IN ACCORDANCE WITH THE LATEST ADDITION OF REINFORCING STEEL MANUAL OF STANDARD PRACTICE AND CSA-A23.3:14.	
PROVIDE DEFORMED BARS WITH YIELD STRENGTH OF 400 MPa (GRADE 400) IN ACCORDANCE WITH CSA-G30.18.	
PROVIDE WELDED WIRE FABRIC IN ACCORDANCE WITH CSA-G30.5.	

2) GEOTECHNICAL

GEOTECHNICAL REPORT PREPARED BY GENIEC (PROJECT 64742/02 DATED SEPTEMBER 25, 2020)
REFER TO SECTION 4.3 FOR GEOTECHNICAL REQUIREMENTS OF RETAINING WALLS

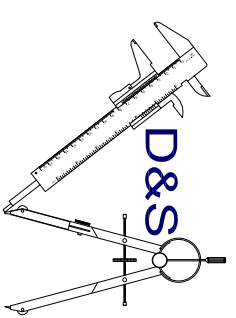
SOIL BEARING CAPACITIES:	SIS (kPa)	US (kPa)
SUBGRADE MATERIAL	100	250
NATIVE UNDISTURBED SILTY CLAY	120	300
NATIVE UNDISTURBED GLACIAL TILL	250	400
COMPACTED ENGINEERED FILL (OVERLYING BEDROCK)		1000
SOUND BEDROCK		

FROST COVER: (FINISHED GRADE TO US OF FOOTING)
* PROVIDE 1500 mm MIN. FROST COVER (UN OR PROVIDE EQUIVALENT PROTECTION USING POLYSTYRENE INSULATION APPROVED BY GEOTECHNICAL ENGINEER.)
COMPLY WITH ALL PROVINCIAL AND MUNICIPAL TRENCHING AND EXCAVATION SAFETY REGULATIONS, CONFORM TO ONTARIO BUILDING CODE AND CANADIAN CONSTRUCTION SAFETY CODE.

KEY PLAN:

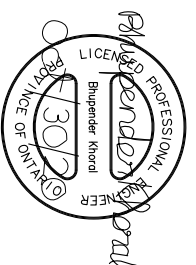
REV	DESCRIPTION	DATE
2	FOR SITE PLAN APPROVAL	09.10.2020
1	FOR SITE PLAN APPROVAL	05.08.2020
0	FOR SITE PLAN APPROVAL	16.04.2020

DESIGN & SYSTEMS
STRUCTURAL & WELDING ENGINEERS



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OTTAWA, ON K1V 3P1
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FAX: +1 (613) 739-0617

ENGINEER



CLIENT
MEGHA HOLDINGS INC
1000 BELLFAST ROAD, OTTAWA, ON K1G 4A2

PROJECT
INDUSTRIAL WAREHOUSE
1243 TERON ROAD, KANATA, ON K2K 1X2

DRAWING
RETAINING WALL
PLAN AND TYP. WALL SECTIONS
(NORTH-WEST CORNER)

DRAWN BY	EAJ	DRWG: SK101
CHECKED BY	BSK	
DATE	02.10.2020	SCALE
		N.T.S