

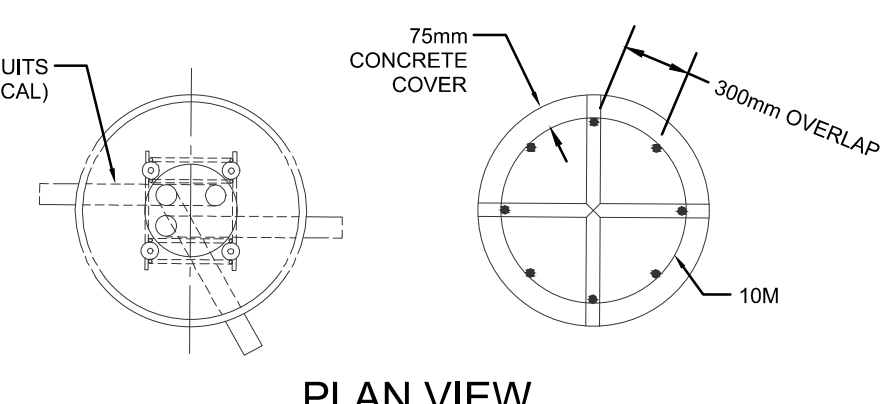
IT IS THE RESPONSIBILITY OF THE APPROPRIATE CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS ON SITE AND TO REPORT ALL ERRORS AND/OR OMISSIONS TO THE ARCHITECT. ALL CONTRACTORS MUST COMPLY WITH ALL PERTINENT CODES AND BY-LAWS. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION UNTIL SIGNED BY THE ARCHITECT. DO NOT SCALE DRAWINGS. COPYRIGHT RESERVED.

LRT ALIGNMENT DISCLAIMER
 APPROXIMATE LRT TUNNEL AND SHORING ALLOWANCE LOCATION TAKEN FROM CITY OF OTTAWA DRAWINGS CONFESSION LINE WEST LRT EXTENSION - TURNKEY'S PASTURE STATION TO BASELINE STATION. PLAN AND PROFILE - NEW ORCHARD STATION 95+170 - 95+770 SHEET 16, DATED JUNE 2, 2016 & GENERAL ARRANGEMENT - RICHMOND ROAD TUNNEL SHEET 102, DATED FEBRUARY 10, 2016

No.	DESCRIPTION	DATE
4	ISSUED FOR SPA	2021/06/09
3	ISSUED FOR SPA	2021/02/12
2	ISSUED FOR COORDINATION	2021/02/03
1	ISSUED FOR COORDINATION	2021/01/11

SEAL: NORTH ARROW:

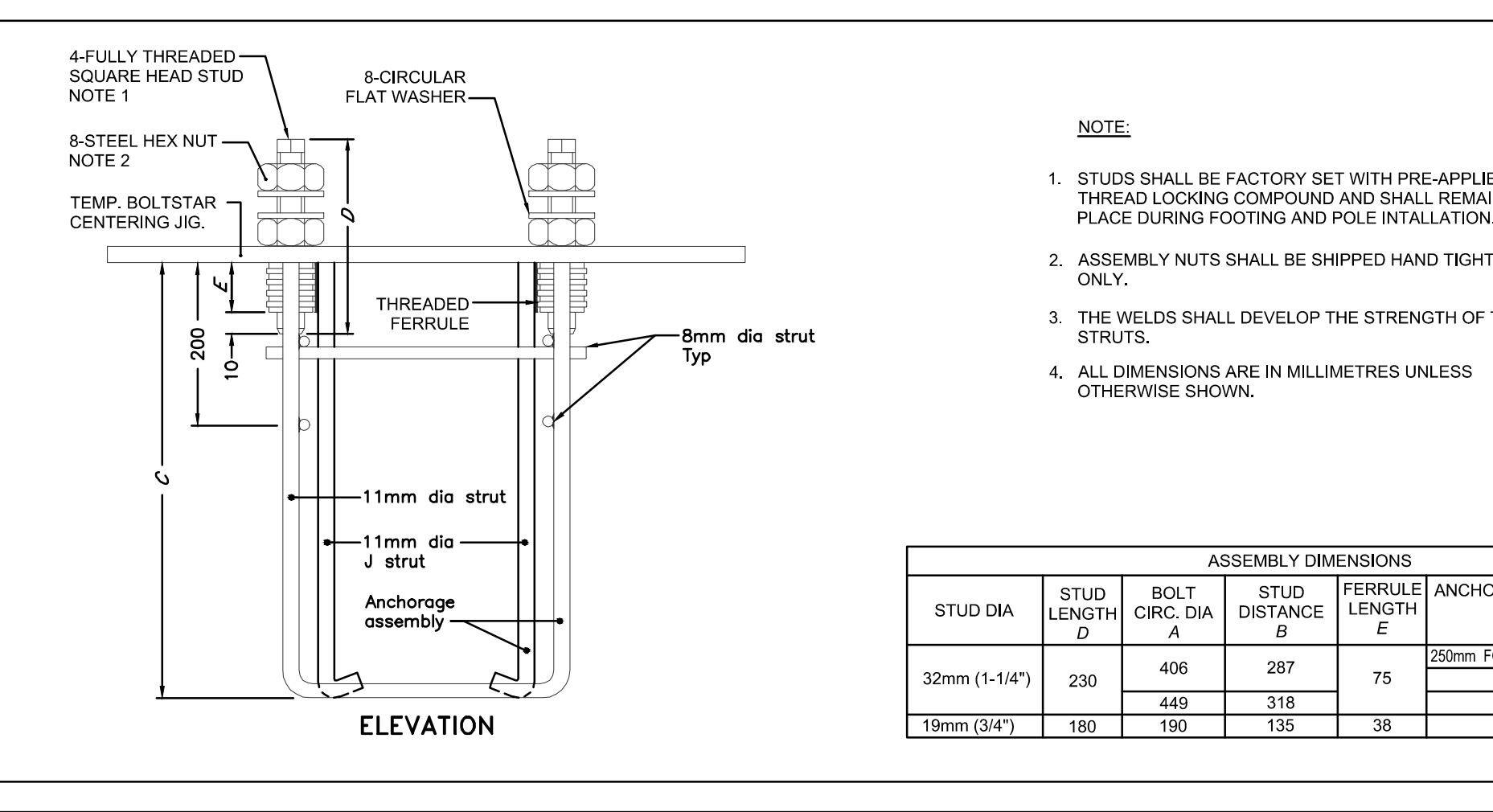
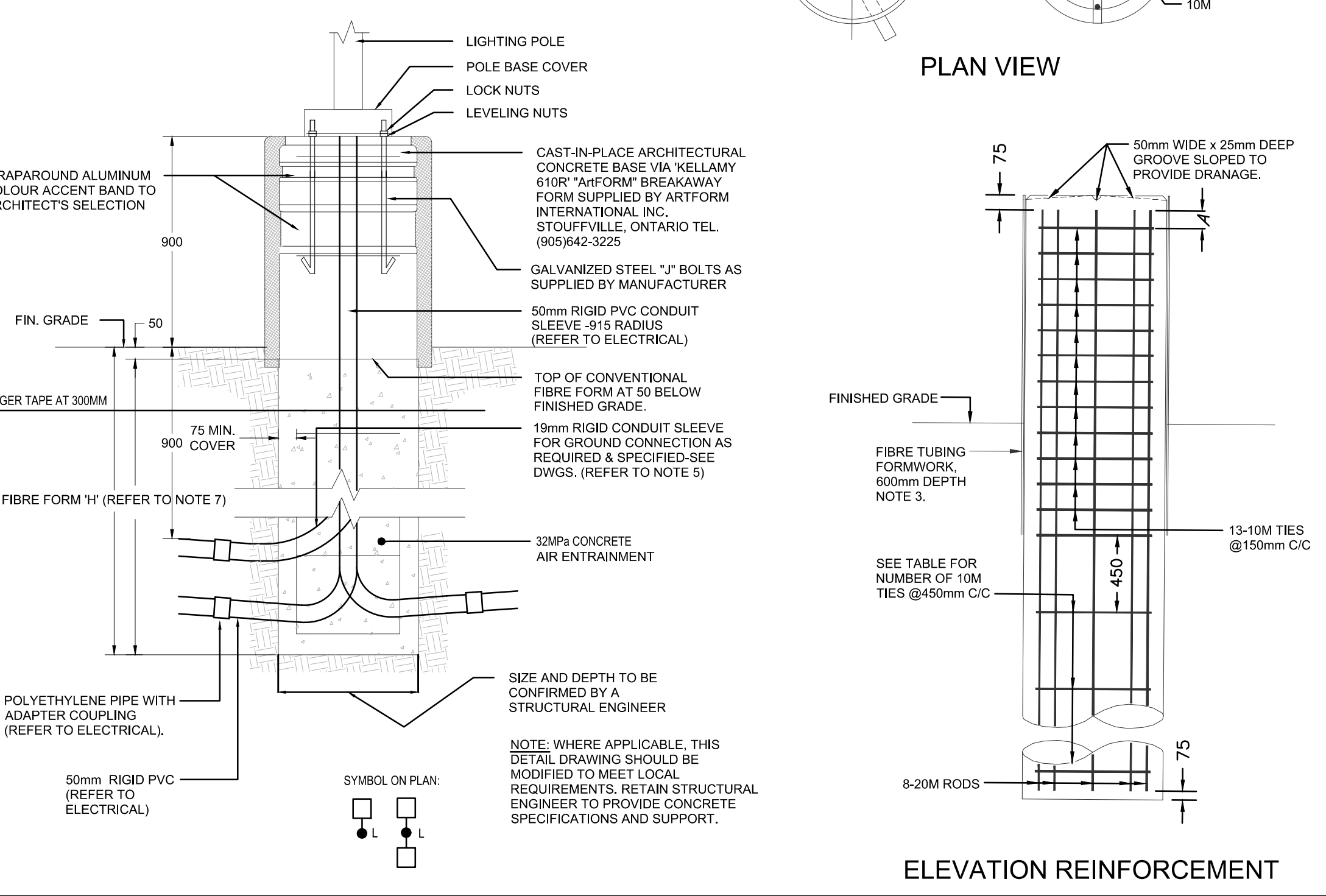
NOTE:
 CONCRETE BASES FOR LUMINAIRES TO BE SUPPLIED AND INSTALLED BY THIS ELECTRICAL CONTRACTOR.



TYPICAL CONCRETE BASE FOR LUMINAIRE N.T.S

- NOTES:**
- ALL DIMENSIONS ARE IN MILLIMETRES OR METRES.
 - CLASS OF CONCRETE SHALL BE 32MPa AIR ENTRAINMENT.
 - MINIMUM OF TWO SLEEVES REQUIRED FOR EACH CONC. FOUNDATION UNLESS OTHERWISE SHOWN.
 - CONTRACTOR TO VERIFY OPENING SIZE IN POLE BASE PLATE PRIOR TO SETTING CONDUIT SLEEVES. CONTRACTOR TO PROVIDE STRUCTURAL ENGINEER APPROVAL FOR BASE DESIGN.
 - SUBJECT TO SOIL CONDITIONS, REFER TO SOIL REPORT.
 - FORM RELEASE AGENT HAS BEEN FACTORY-APPLIED TO INSIDE SURFACE OF "WFORM".

POLE LENGTH m	BURIAL DEPTH H m	ROD LENGTH m	A mm	NO. OF 10M TIES @900mm C/C	BOLT CIRCLE DIA FOR METAL POLES		
					ALUMINUM	STEEL	SECTIONAL STEEL
5.6	2.15	2.00	100	3	N/A	N/A	449
7.0	2.15	2.00	100	3	N/A	N/A	449
7.0	2.15	2.00	100	3	406	406	N/A
8.7	2.45	2.30	250	3	N/A	N/A	449
9.0	2.45	2.30	0	4	406	406	N/A
10.5	2.80	2.45	100	4	406	406	449
12.0	2.75	2.60	100	4	406	406	N/A
13.0	2.90	2.75	0	5	406	406	N/A
15.1	3.05	2.90	100	5	406	406	N/A



ASSEMBLY DIMENSIONS

STUD DIA	STUD LENGTH D	BOLT CIRC. DIA A	STUD DISTANCE E	FERRULE LENGTH E	ANCHORAGE DEPTH C
32mm (1-1/4")	230	406	287	75	250mm FOR STRUCTURES
		449	318		457
19mm (3/4")	180	180	135	38	305

ELECTRICAL PHOTOMETRIC SITE PLAN 1
 SCALE: 1:250

CALCULATION SUMMARY

LABEL	CALC TYP	UNITS	AVG	MAX	MIN	AVGMIN	MAXMIN	LLF
PARKING	ILLUMINANCE	FC	1.41	2.8	0.6	2.35	4.33	0.90

LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION
"A"	LUMINAIRE ASSEMBLY CONSISTING OF A SINGLE (1) LED LUMINAIRE WITH A TYPE III DISTRIBUTION PATTERN, HOUSE SIDE SHEILD, 34V OUTDOOR BALLAST, ON A 19" SQUARE STEEL POLE WITH BASE COVER ON CLASSICA 46R CONCRETE BASE. COLOUR OF FINISH OF POLE AND HEAD TO ARCHITECT/TOWNER SELECTION. NLS LIGHTING CAT # 1-TRC-3-T4-32L-3-30K-HV-SQL-CS-HS-18
"A1"	LUMINAIRE ASSEMBLY CONSISTING OF A DOUBLE (2) LED LUMINAIRES WITH A TYPE III DISTRIBUTION PATTERN, 34V OUTDOOR BALLAST, ON A 19" SQUARE STEEL POLE WITH BASE COVER ON CLASSICA 46R CONCRETE BASE. COLOUR OF FINISH OF POLE AND HEAD TO ARCHITECT/TOWNER SELECTION. NLS LIGHTING CAT # 2-TRC-3-T4-18L-35-30K-HV-D-19C-CS-18
"A2"	LUMINAIRE ASSEMBLY CONSISTING OF A SINGLE (1) LED LUMINAIRE WITH A TYPE III DISTRIBUTION PATTERN, 34V OUTDOOR BALLAST, ON A 19" SQUARE STEEL POLE WITH BASE COVER ON CLASSICA 46R CONCRETE BASE. COLOUR OF FINISH OF POLE AND HEAD TO ARCHITECT/TOWNER SELECTION. NLS LIGHTING CAT # 1-TRC-3-T4-18L-3-30K-HV-SQL-CS-18
"A3"	LUMINAIRE ASSEMBLY CONSISTING OF A SINGLE (1) LED LUMINAIRE WITH A TYPE IV DISTRIBUTION PATTERN, HOUSE SIDE SHEILD, 34V OUTDOOR BALLAST, ON A 19" SQUARE STEEL POLE WITH BASE COVER ON CLASSICA 46R CONCRETE BASE. COLOUR OF FINISH OF POLE AND HEAD TO ARCHITECT/TOWNER SELECTION. NLS LIGHTING CAT # 1-TRC-3-T4-32L-3-30K-HV-SQL-CS-HS-18
"B"	LUMINAIRE BOLLARD ASSEMBLY CONSISTING OF A SINGLE (1) LED LUMINAIRE WITH A TYPE III DISTRIBUTION PATTERN, 120V OUTDOOR BALLAST, ON A 4" SQUARE STEEL POLE WITH BASE COVER ON CLASSICA 26R CONCRETE BASE. COLOUR OF FINISH OF BOLLARD TO ARCHITECT/TOWNER SELECTION. NLS LIGHTING CAT # 1-TRC-4D-TL-18-83-30K-UN-AB-CS
"S"	4" ROUND SOFFIT LIGHT SUITABLE FOR OUTDOOR USE CW 120V BALLAST AND WET LOCATION TRIM. REFLECTOR FINISH TO ARCHITECTS SELECTION. H.E. WILLIAMS 4DR-TL-4-18-83-30K-120-UN-OR-WW-WET-CC
"W"	WALL MOUNTED 18" HIGH LUMINAIRE CONSISTING OF A SINGLE (1) LED LUMINAIRE WITH A 15W LED LAMP, 120V OUTDOOR USE BALLAST, COLOUR OF FINISH OF FIXTURE TO ARCHITECTS SELECTION. LAMP SHALL BE SUPPLIED WITH THE FIXTURE AND SUITABLE FOR OUTDOOR USE. SOLERA CORP LIGHTING CAT # 09W-70-18W-3K-UN-4W-DAL-F-W-CC

h HAMMERSCHLAG & JOFFE INC.
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PROJECT TITLE:
35 HUNTMAR DRIVE & 21 HUNTMAR DRIVE

SHEET TITLE:
ELECTRICAL PHOTOMETRIC SITE PLAN

DRAWN: DN
 SCALE: 1:250
 PROJECT No: 20-000-171

CHECKED: BK
 SHEET No: **ESP1**

D07-12-21-0055

