

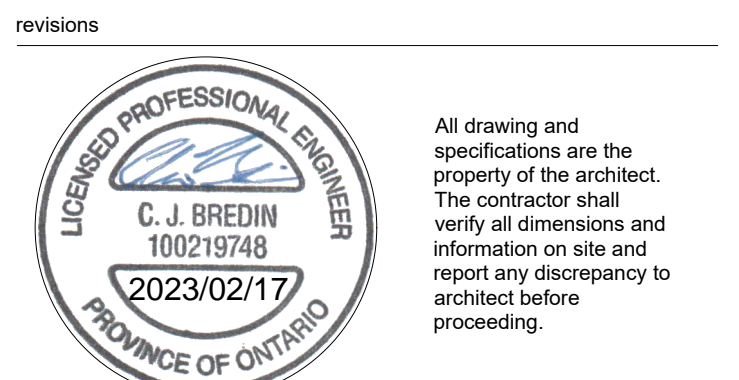
1 ELECTRICAL SITE PLAN
E-002 1:250

GENERAL NOTES

- A. CONTRACTOR SHALL BE GENERALLY RESPONSIBLE FOR SUPPLY AND INSTALLATION OF THE FOLLOWING:
 - CONCRETE ENCASED PRIMARY DUCTBANK FROM PAD MOUNTED SERVICE TRANSFORMER TO PROPERTY
 - CONCRETE ENCASED HYDRO HIGH VOLTAGE CABLES TO BE PROVIDED BY OTTAWA HYDRO AS PART OF UTILITIES.
 - PRIMARY DUCTBANK MANHOLE.
 - TRANSFORMER VAULT INCLUDING GROUNDING GRID, PROTECTIVE BOLLARDS, ETC. (TRANSFORMER TO BE PROVIDED BY OTTAWA HYDRO; PRIMARY AND SECONDARY TERMINATIONS BY OTTAWA HYDRO).
 - CONCRETE ENCASED SECONDARY DUCTBANK AND SERVICE CONDUCTORS FROM PAD MOUNTED SERVICE TRANSFORMER INTO BUILDING.

DRAWING NOTES

- 1. PROVIDE 3 PHASE TRANSFORMER FOUNDATION AS PER OTTAWA HYDRO STANDARD. CONFIRM FOUNDATION SPECIFICATION WITH OTTAWA HYDRO UTILITIES PRIOR TO PURCHASE/INSTALLATION. PROVIDE TRANSFORMER FOUNDATION GROUND GRID USING 20 BARE STRANDED COPPER & 1/2" LIME STEEL GALVANIZED GROUND RODS AS PER OTTAWA HYDRO STANDARD. ENSURE 2 GROUNDING TAILS ARE LEFT IN THE FOUNDATION WITH SUFFICIENT LENGTH OF 20 BARE COPPER WIRE FOR PROUT LOOP & THE CONNECTION TO THE GROUNDING BANK ON OTTAWA HYDRO UTILITIES INSTALLED TRANSFORMER. REFER TO DETAILS ON E-003 FOR PROTECTIVE BOLLARDS, GROUNDING REQUIREMENTS.
- 2. REFER TO OTTAWA HYDRO STANDARD FOR CONCRETE ENCASED DUCT BANK & 12-403 FOR DIRECT BURIED CONCRETE ENCASEMENT OF DUCTS TO BE STOPPED FROM TRANSFORMER FOUNDATION. COORDINATE INSTALLATION OF PRIMARY DUCTS & FOUNDATION WITH OTTAWA HYDRO UTILITIES AND USE MINIMUM 5 BUSINESS DAYS FOR INSPECTION PRIOR TO BACKFILLING.
- 3. CONTRACTOR SHALL PROVIDE SECONDARY CABLES FROM THE TRANSFORMER TO THE USE PROVIDE SUFFICIENT LENGTH OF WIRE IN THE TRANSFORMER BASE FOR A PROPER PROUT LOOP AND RETAIL TO THE SECONDARY SPACES.
- 4. PRIMARY CABLES SUPPLIED & INSTALLED BY OTTAWA HYDRO UTILITIES. REFER TO OTC IN SPECIFICATION 26.24 (1) APPENDIX FOR SCOPE DELINEATION.
- 5. CONTRACTOR SHALL PROVIDE THE ENTIRE PRIMARY & SECONDARY DUCT BANKS IN CONCRETE ENCASEMENT UP TO THE PROPERTY LINE. REFER TO DETAIL IN DRAWING E-003.
- 6. POLE MOUNTED LIGHTING WITH PHOTOCELLS. REFER TO EXTERIOR LIGHTING CONTROL WIRING DIAGRAM ON E-003 FOR DETAILS.
- 7. PROVIDE 15A 120V DIRECT CONNECTION W/AL CONTROL CIRCUIT INDICATED FOR PERMANENT BUILDING SIGNAGE. ALSO PROVIDE FOR 1" EMPTY PVC CONDUIT BACK TO COMMUNICATIONS ROOM FOR FUTURE DATA CABLING. (TYPICAL LOCATION).
- 8. USE DIRECT BURIED "CABLE IN CONDUIT" INSTALLATION FOR THE INSTALLATION OF POWER AND CONTROL WIRING FOR OUTDOOR SIGNAGES. REFER TO DETAIL 4 ON DRAWING E102.
- 9. APPROXIMATE LOCATION OF NEW GENERATOR. REFER TO SPECIFICATIONS, PROTECTIVE BOLLARDS FOR GENERATOR WILL BE PROVIDED UNDER ARCHITECTURAL SCOPE. REFER TO ARCHITECTURAL DRAWINGS AND COORDINATE INSTALLATION WITH GENERAL CONTRACTOR. ENSURE MIN 1M AWAY FROM TANKS. SPACED NO MORE THAN 150MM APART AND ENSURE COVER COVERAGE.
- 10. LIGHTING CONDUIT IN RACKWAY (PVC CONDUIT) TO BE 60MM DEPTH AND CONCRETE CROSS OTHER SERVICES PERPENDICULAR AND MAINTAIN 50MM CLEARANCE. ARBITRARY GROUPING SHOWN FOR POLE FUTURES. PRESUME EACH FEED FROM THE BUILDING CAN HANDLE LOAD AND VOLTAGE DROP MUST WILL NEED TO BE CHECKED/ADJUSTED AS REQUIRED.
- 11. ONE DROPT FOR EACH RECEPTACLE AND GROUP OF BOLLARDS TO CLOSEST PANEL TRENCH DETAIL FOR COURTYARD BELOW 400MM DEPTH.

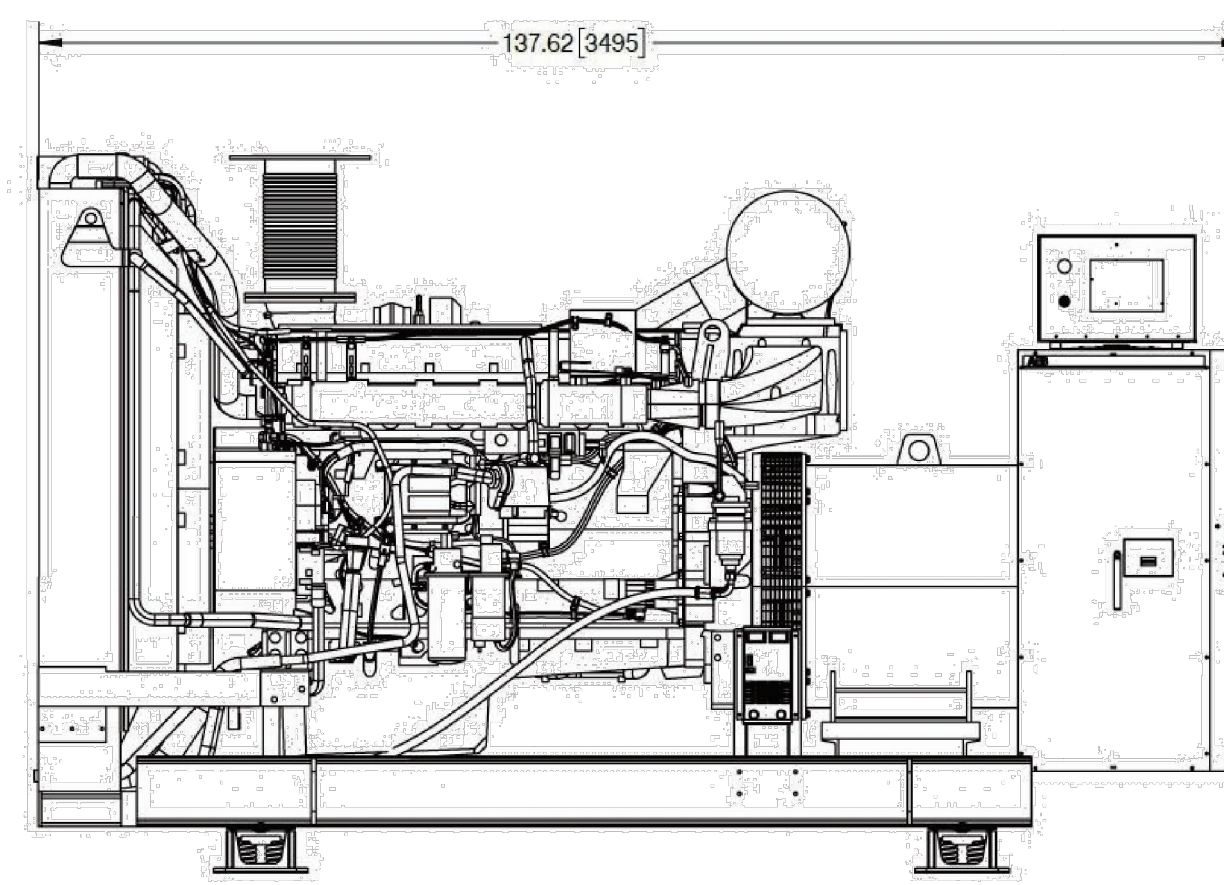
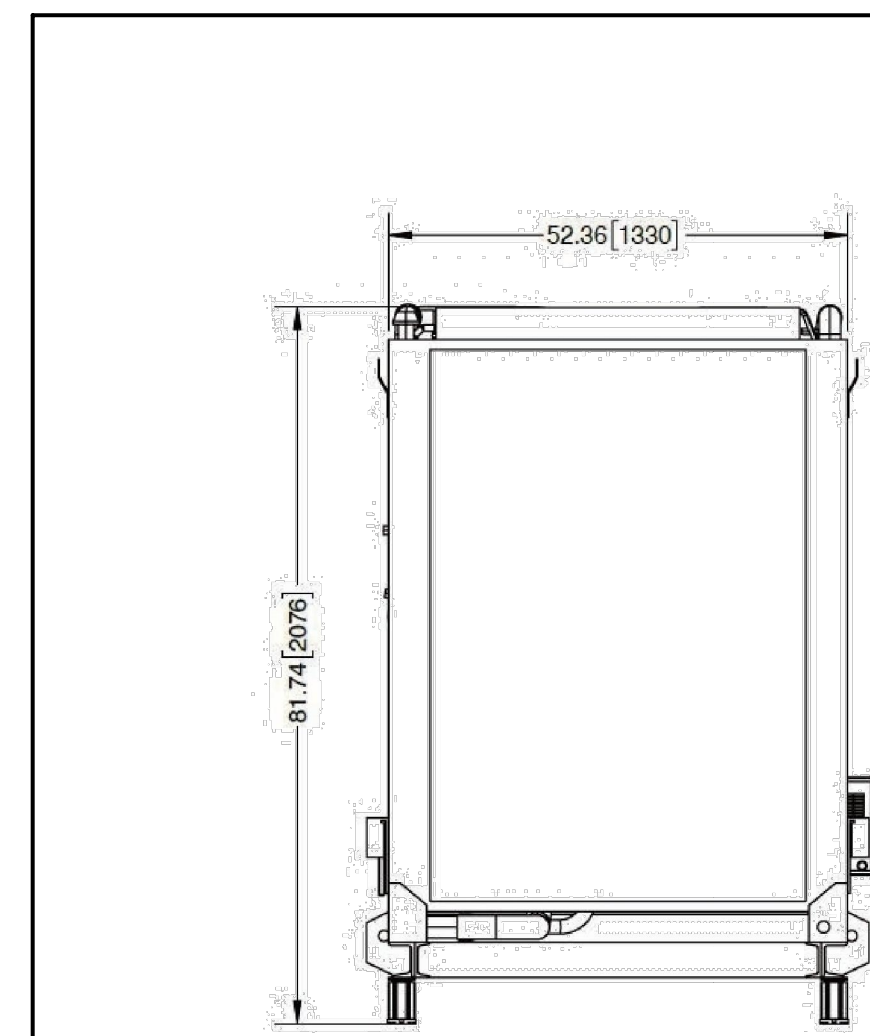
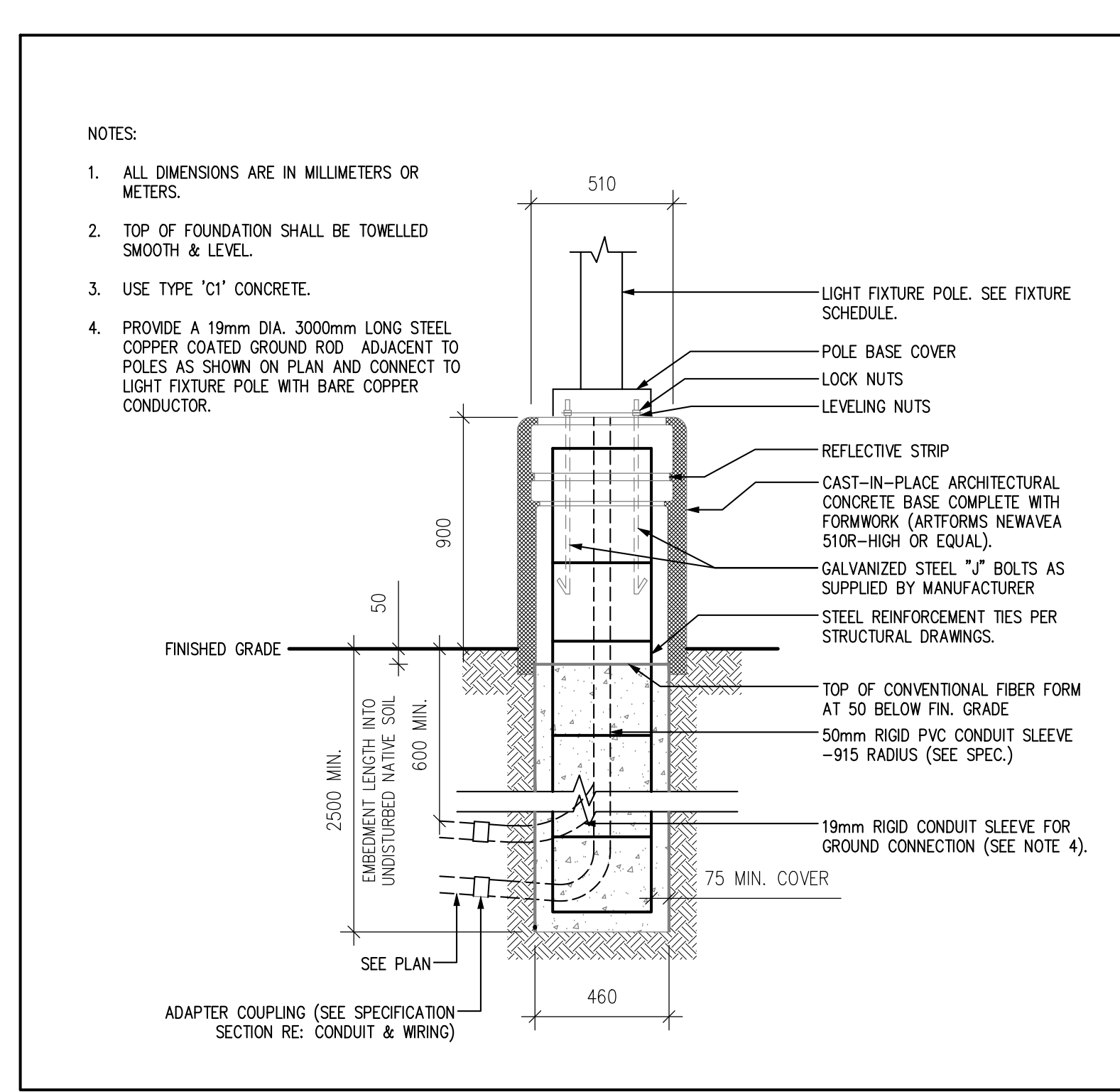
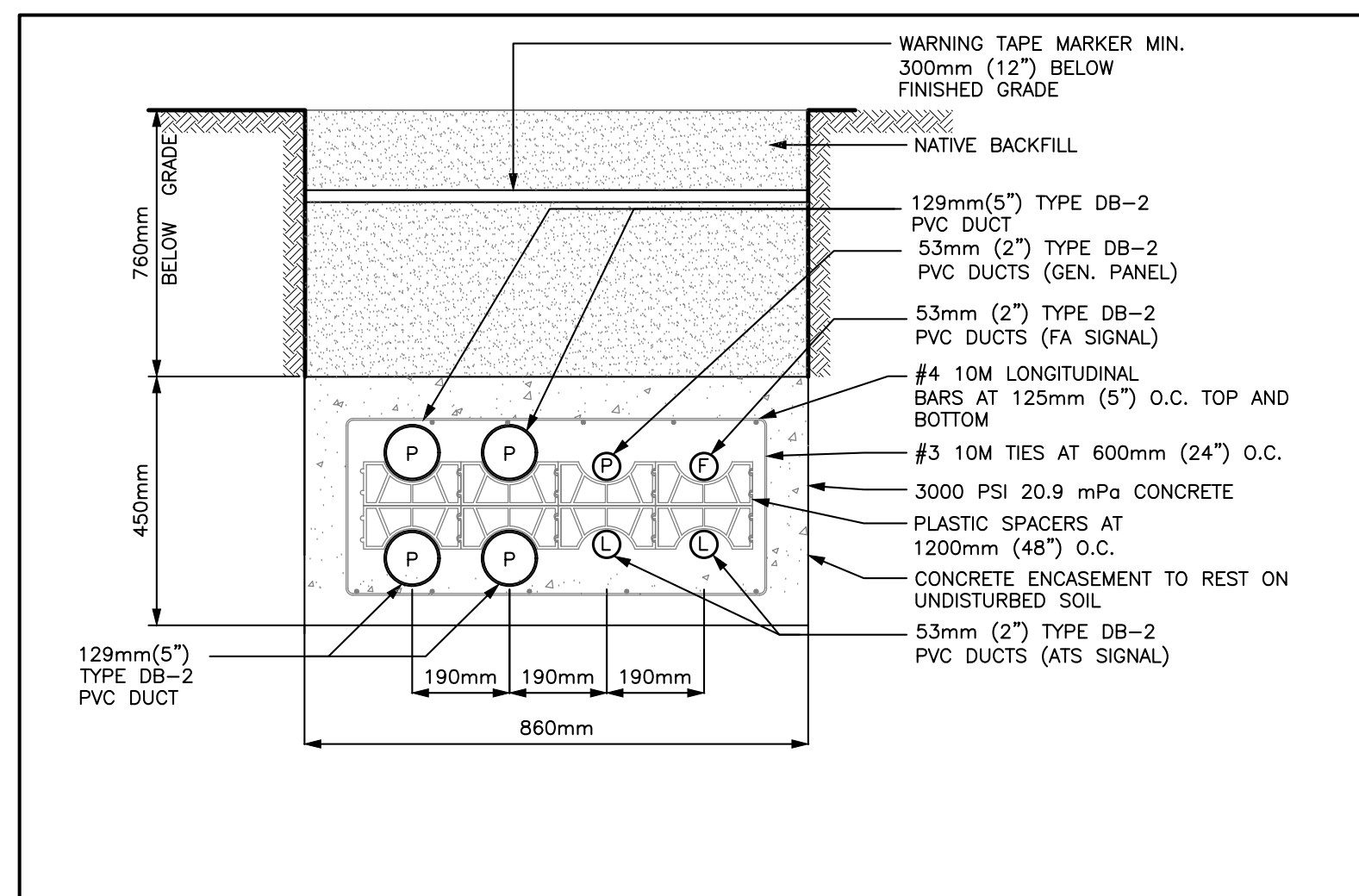
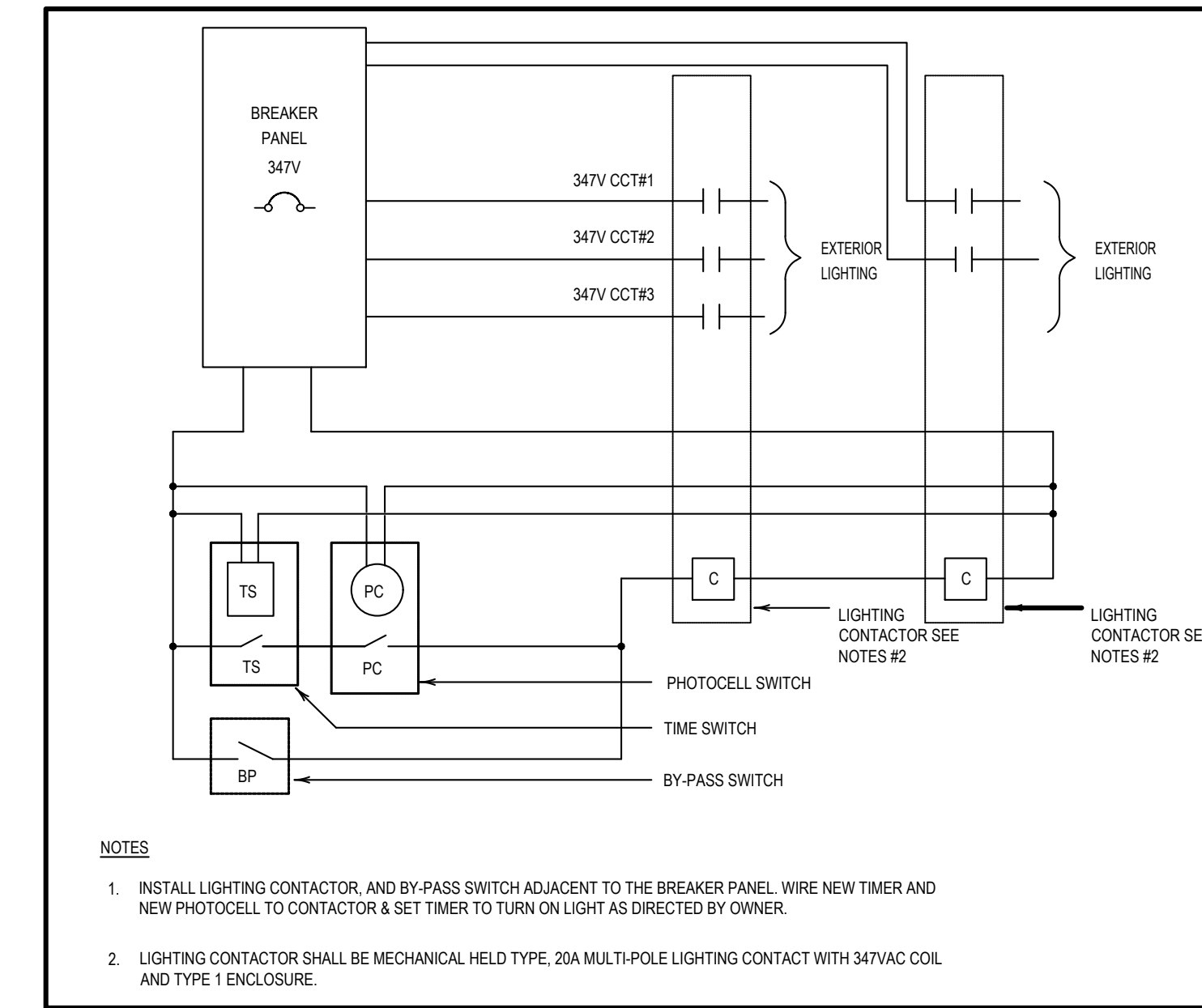
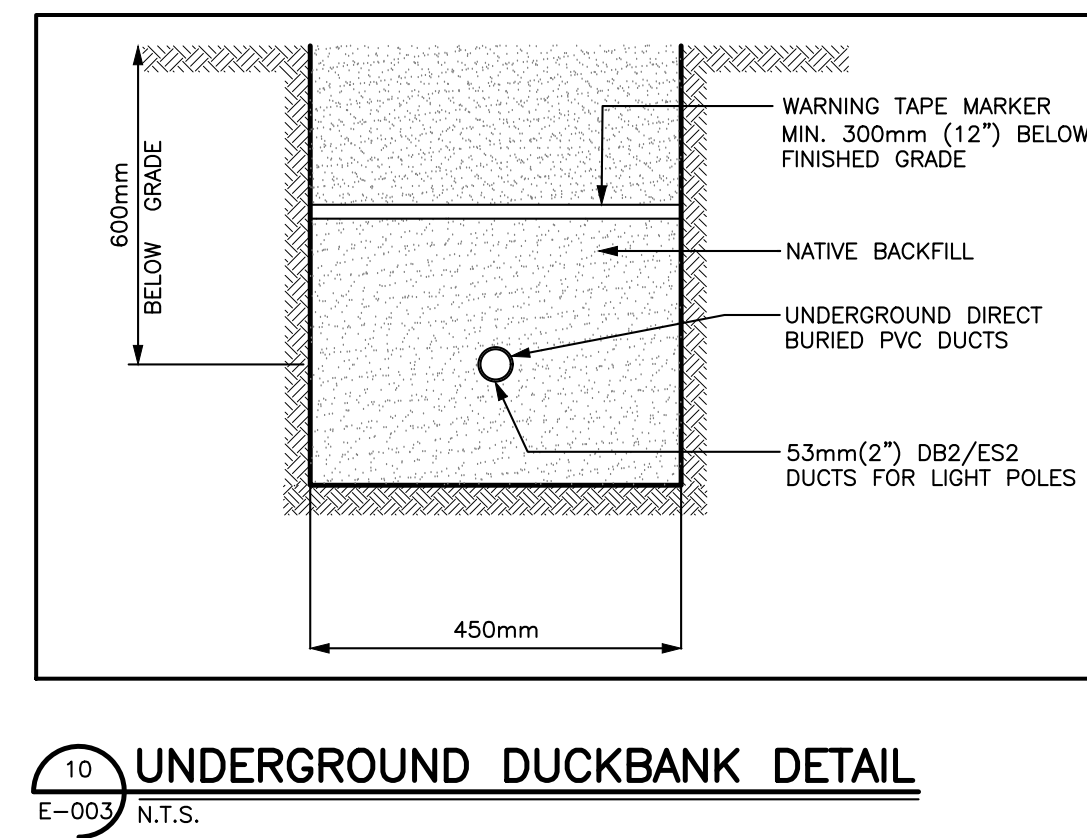
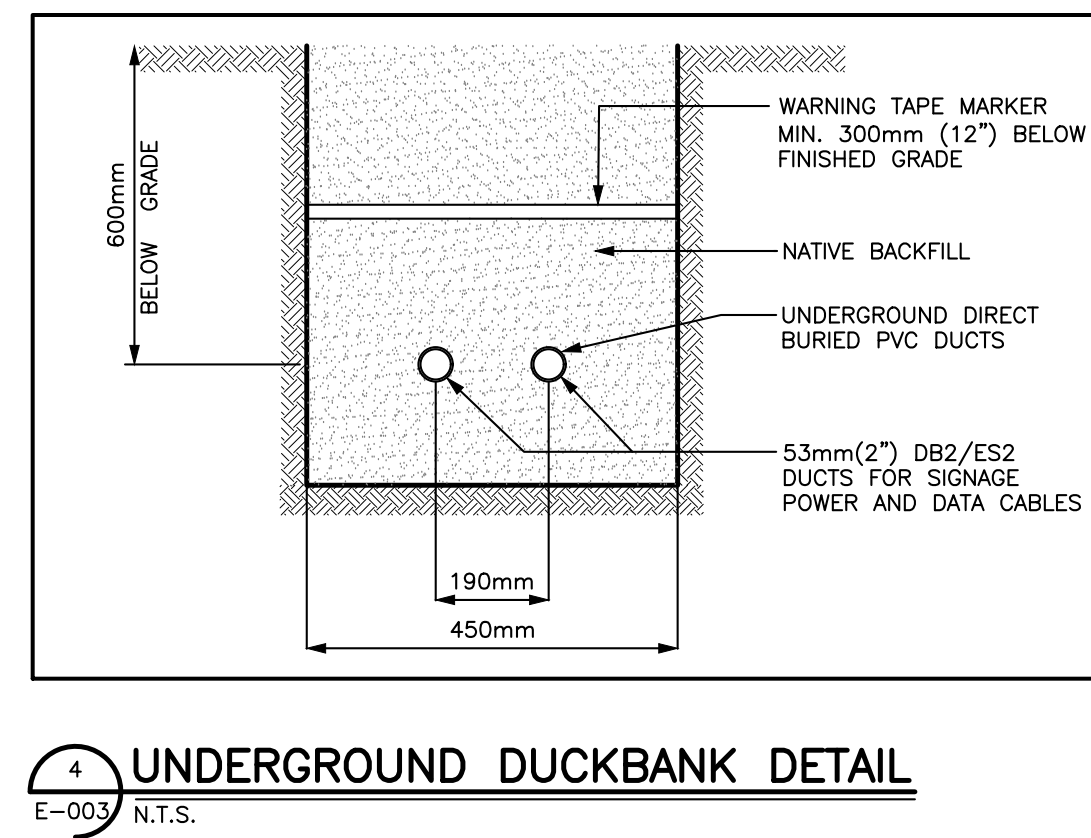
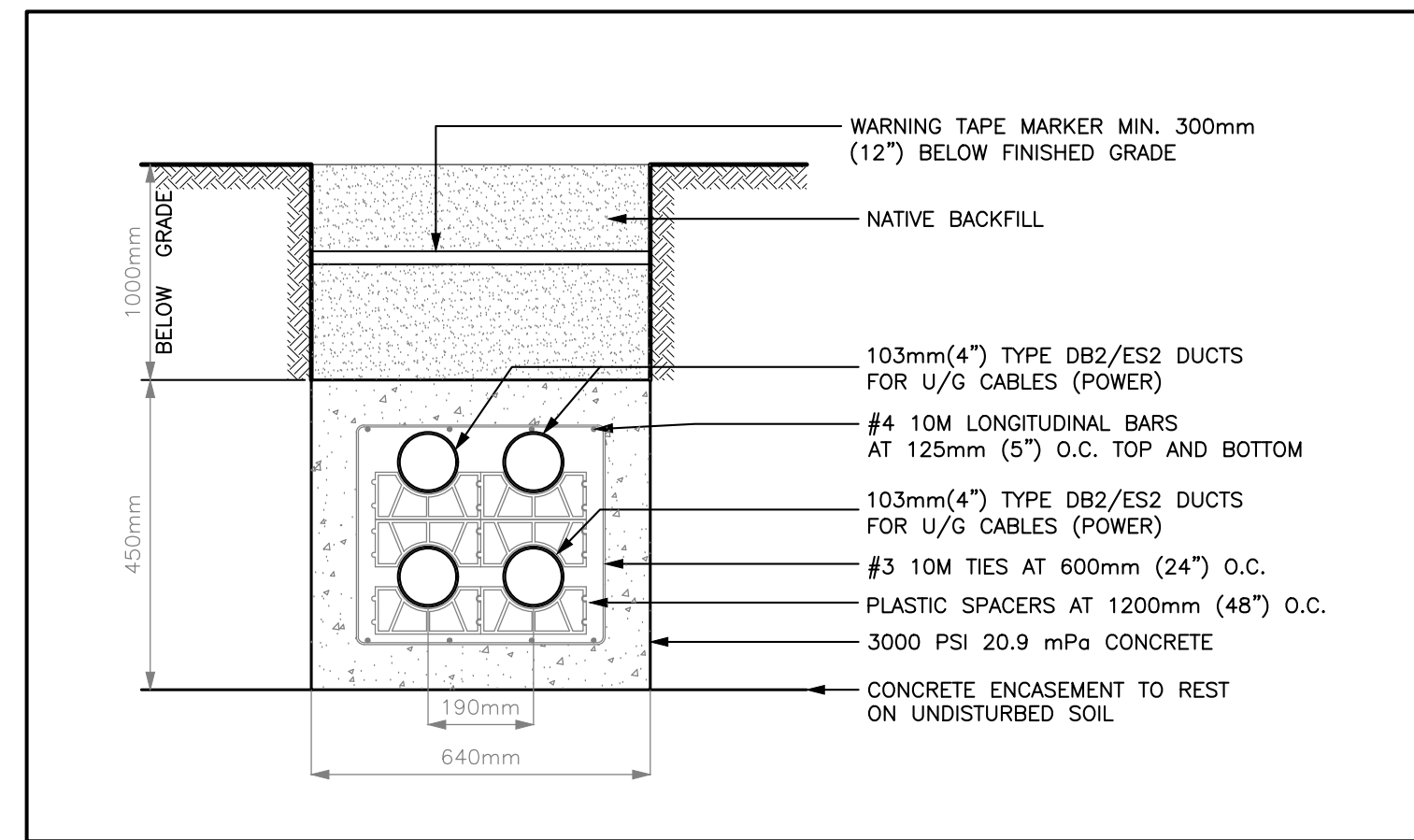
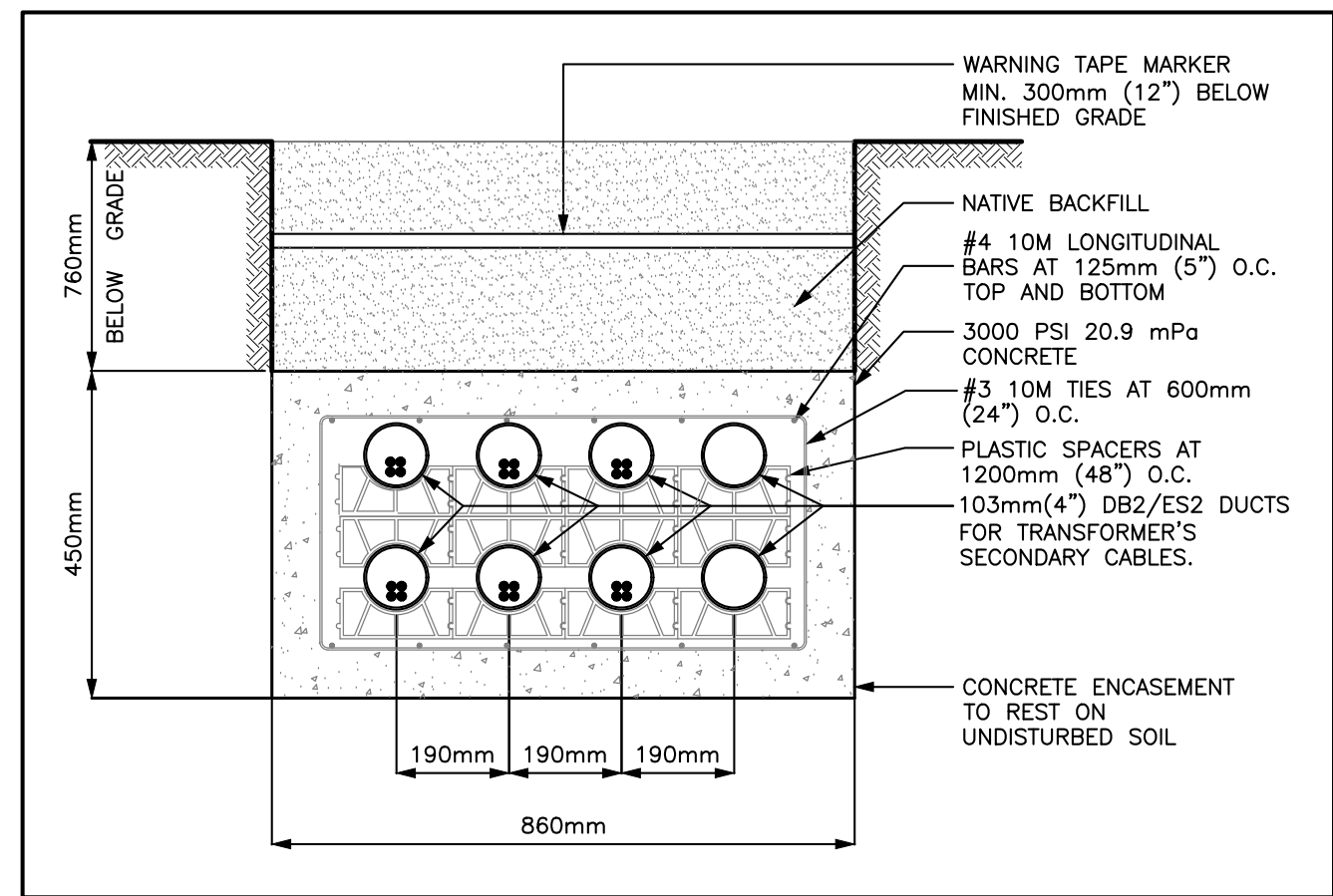


EC ORLEANS

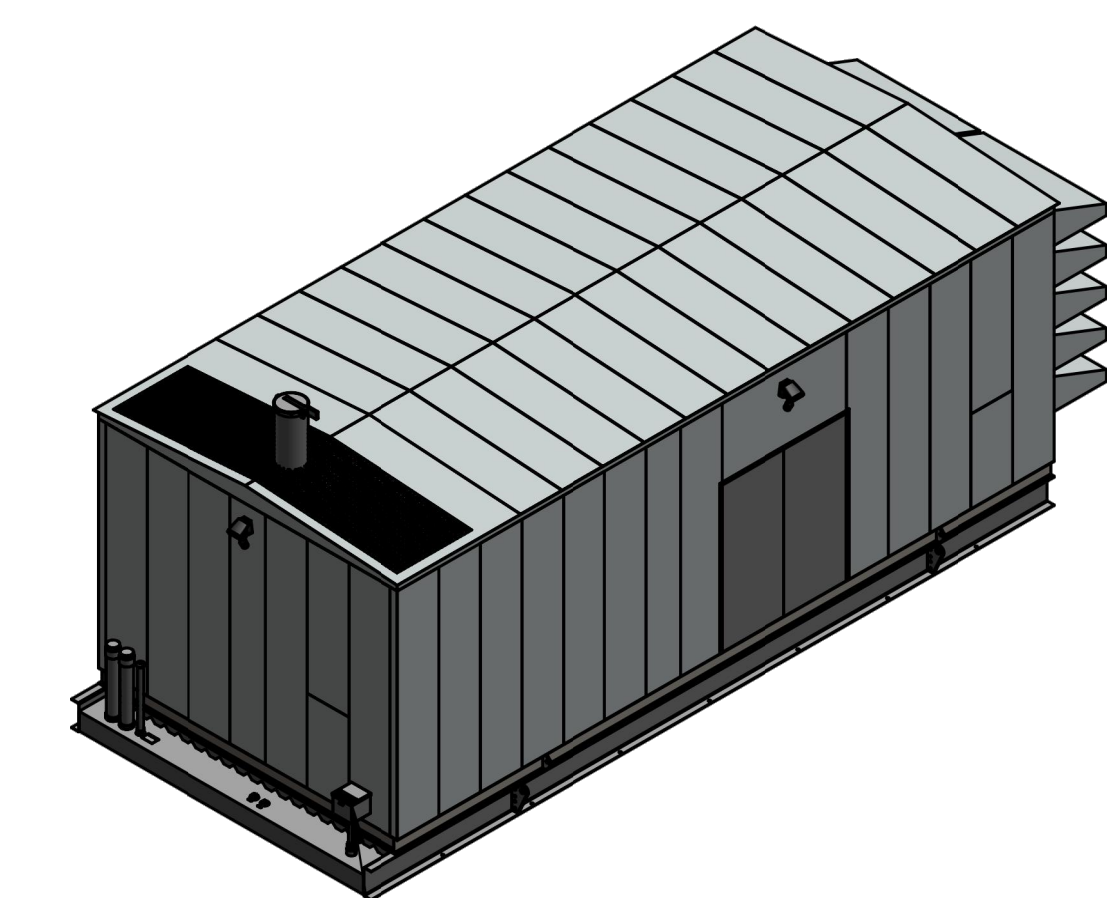
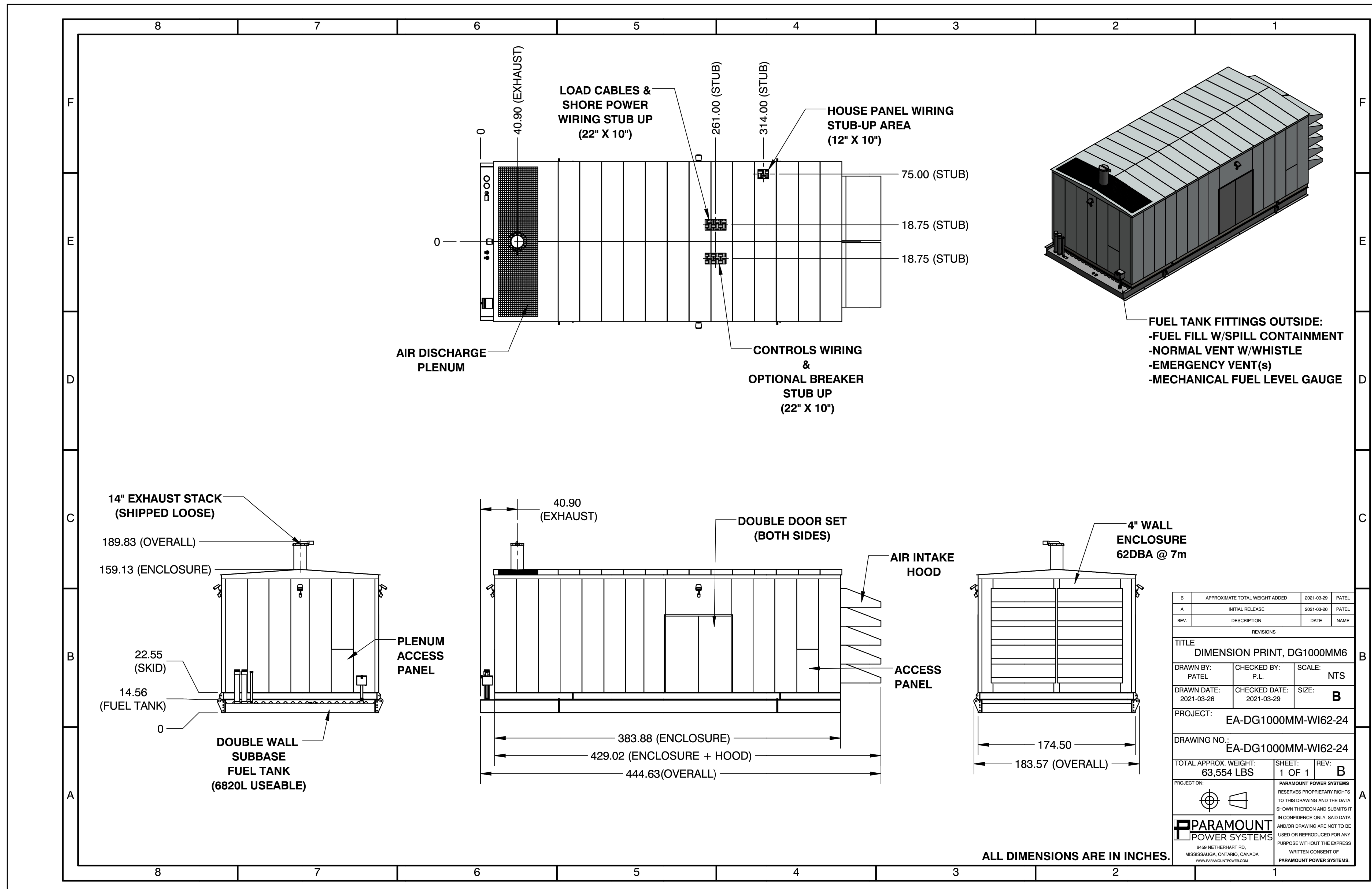
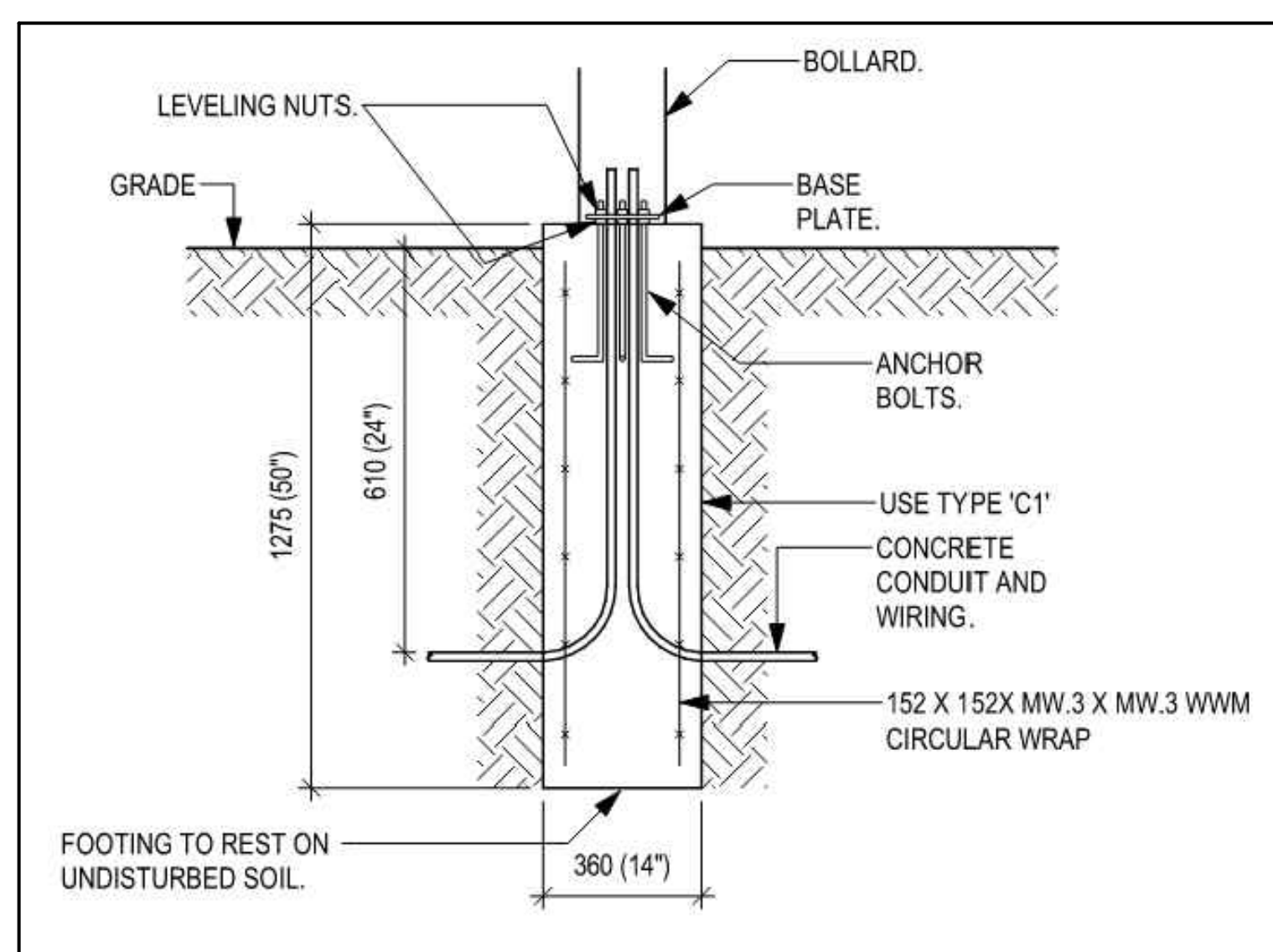
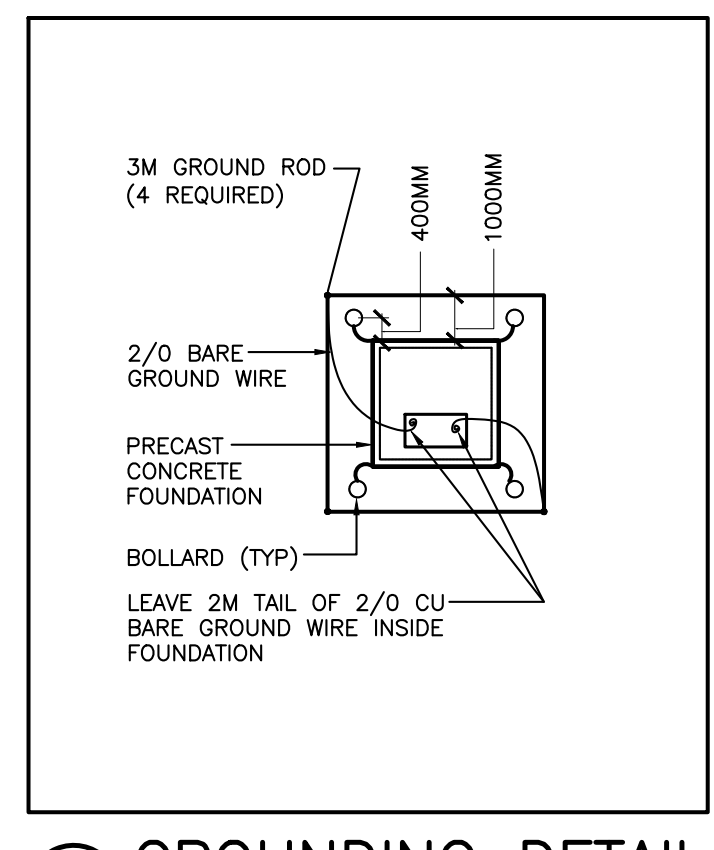
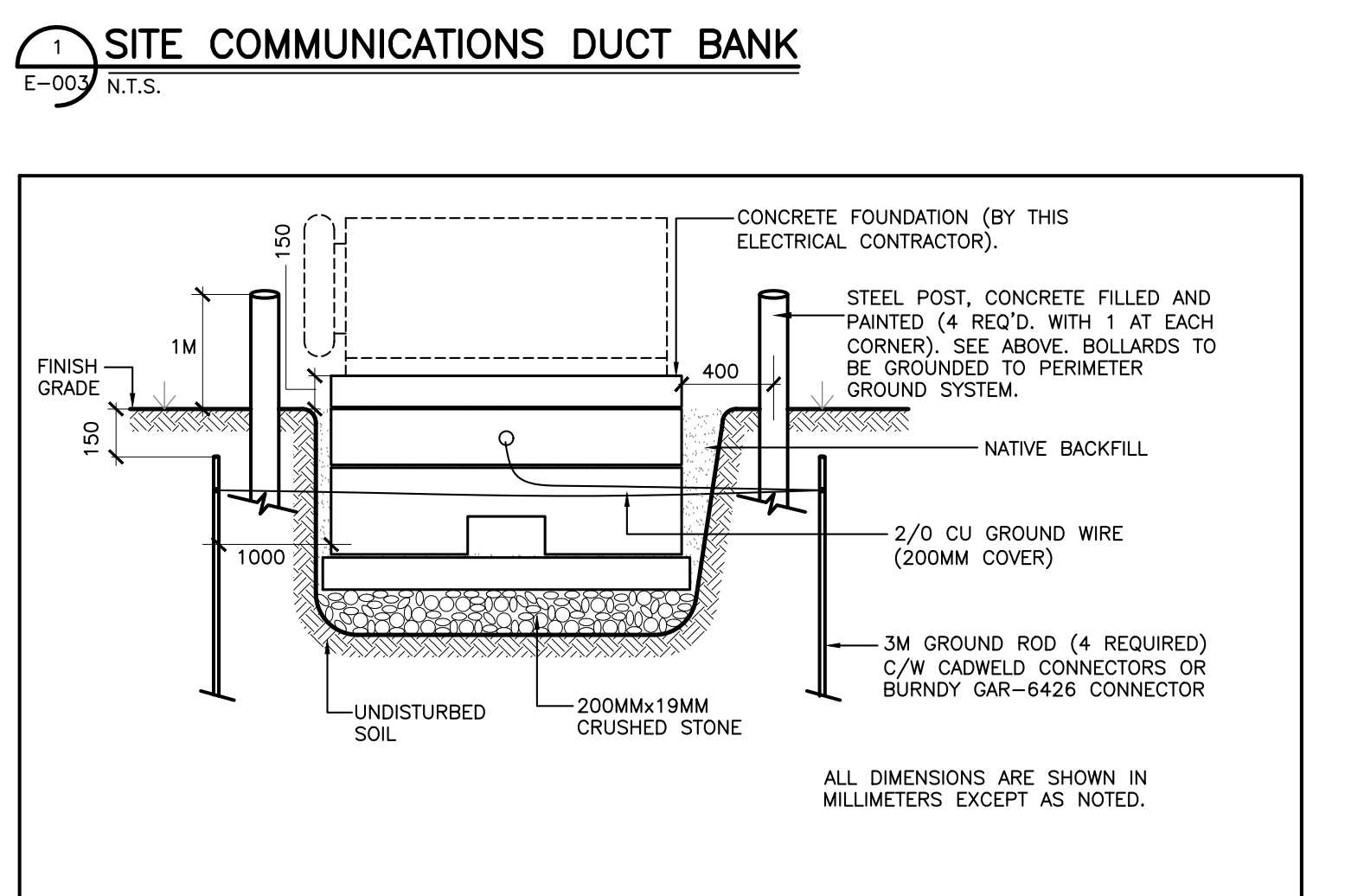
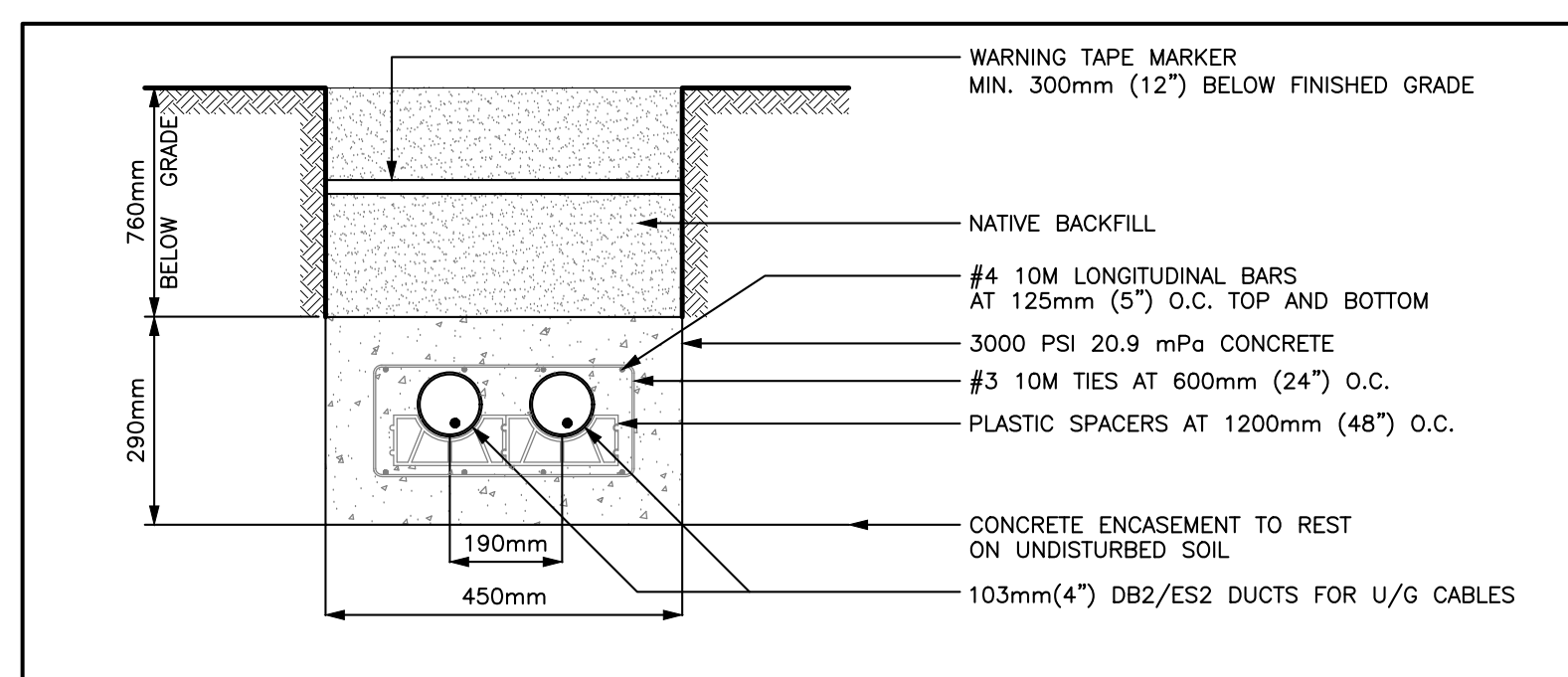
Enter address here

ELECTRICAL & LIGHTING LEGEND AND DRAWING LIST

scale:	As Noted
drawn by:	ABS
checked by:	CB
job number:	AP-2018422-AD
plot date:	
drawing number:	E-001

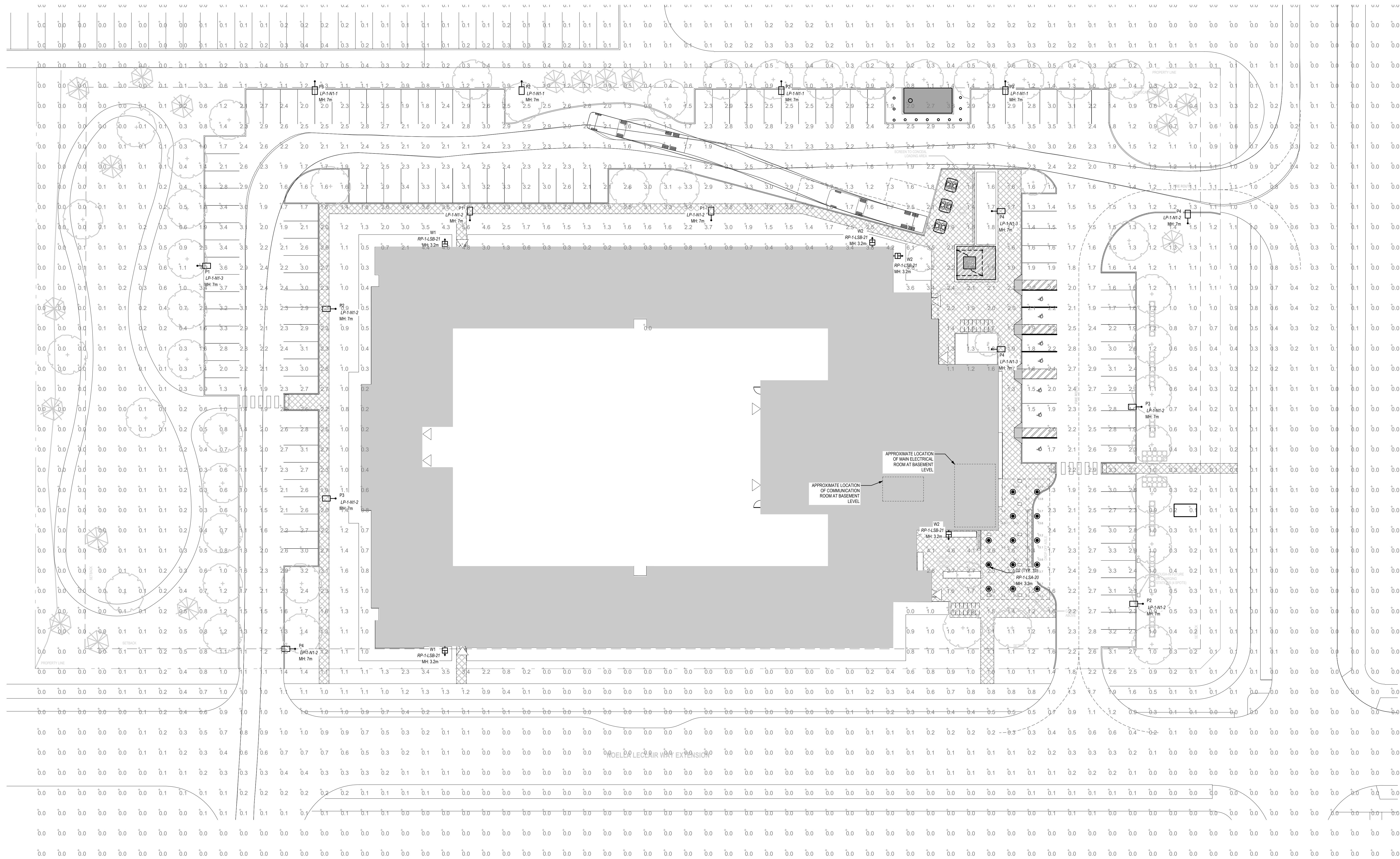


Open Unit Weight: Lbs. (kg)
9,180 (4,590)



FUEL TANK FITTINGS OUTSIDE:
-FUEL FILL W/SPILL CONTAINMENT
-NORMAL VENT W/WHISTLE
-EMERGENCY VENT(S)
-MECHANICAL FUEL LEVEL GAUGE

NO.	APPROXIMATE TOTAL WEIGHT ADDED	3001-03-30	PANEL
A	INITIAL RELEASE	3001-03-30	PANEL
REV.	DESCRIPTION	DATE	NAME
REVISIONS			
TITLE: DIMENSION PRINT, DG1000MM6			
DRAWN BY: PATEL	CHECKED BY: P.L.	SCALE: NTS	
DRAWN DATE: 2021-03-26	CHECKED DATE: 2021-03-29	SIZE: B	
PROJECT: EA-DG1000MM-WI62-24			
DRAWING NO.: EA-DG1000MM-WI62-24			
TOTAL APPROX. WEIGHT: 63,554 LBS	SHEET: 1 OF 1	REV: B	
PROJECTION: PARAMOUNT POWER SYSTEMS			
PARAMOUNT POWER SYSTEMS			
1400 SHEPPARD AV. E. UNIT 10			
MISSISSAUGA, ONTARIO, CANADA			
WWW.PARAMOUNTPOWER.COM			



1 PHOTOMETRIC LIGHTING SITE PLAN
E004 1250

Luminaire Schedule								
Qty	Label	Arrangement	Description	LLF	Luminaire Lumens	Luminaire Watts	Arrangement Watts	Total Watts
13	D1	Single	LFR-4RD-M-15L40K8MD-DM1_LFR-4RD-T-S	0.850	1497	11.8	11.8	129.8
2	W1	Single	RWL1-48L-25-4K7-3	0.850	3731	28	28	56
3	W2	Single	RWL1-48L-25-4K7-4W	0.850	3679	28	28	84
3	P1	Single	VP-1-160L-100-4K7-2	0.850	13963	97.2	97.2	291.6
5	P2	Single	VP-1-160L-100-4K7-3	0.850	14109	97.2	97.2	486
3	P3	Single	VP-1-160L-100-4K7-4W	0.850	13847	97.2	97.2	291.6
4	P4	Single	VP-1-160L-100-4K7-5QW	0.850	14178	97.2	97.2	486

Calculation Summary								
Label	Units	Avg	Max	Min	Avg/Min	Max/Min	PtSpcLr	PtSpcTb
All CalcPts Extending Out To	Fc	0.74	6.1	0.0	N.A.	N.A.	10	10
Zero Foot-Candles								
Main Canopy	Fc	9.85	17.3	4.9	2.01	3.53	6	6
StatArea - Parking Areas	Fc	2.28	4.0	1.0	2.28	4.00		

