

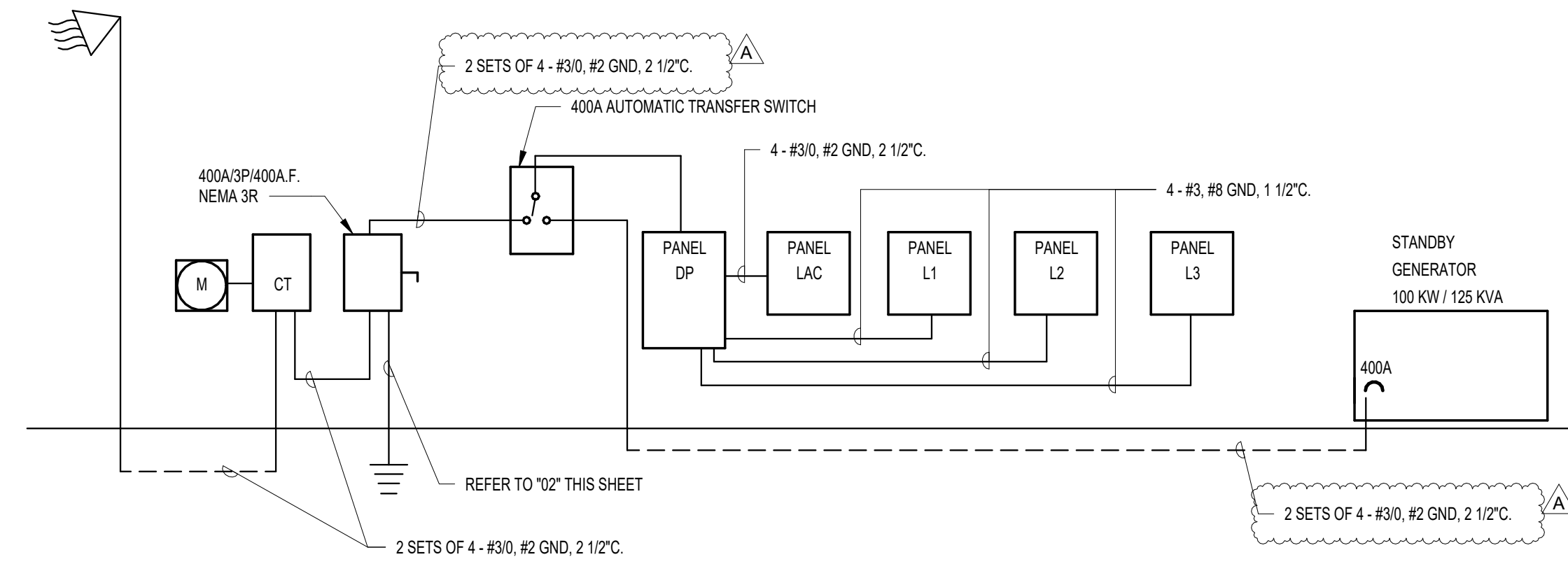
# SYMBOL LEGEND

SWITCHES	
§	SWITCH, SPST, 20A, 120/277V
§ 3	SWITCH, 20A, 120/277V, "2" DENOTES DPST, "3" DENOTES THREE-WAY, "4" DENOTES FOUR-WAY
Ⓚ	DIMMER CONTROL SWITCH, 1000 WATT UNLESS OTHERWISE NOTED
§ M	SWITCH, MOTION SENSOR, NOVITAS #01-133
§ OC	WALL MOUNTED OCCUPANT SENSOR WITH 0-10V DIMMER. PROVIDE ENOUGH SENSORS (CEILING OR WALL MOUNTED) FOR FULL ROOM COVERAGE. CONNECT LIGHT FIXTURES SERVING ROOM THROUGH NEW SENSOR(S). LIGHTS MUST BE TURNED ON MANUALLY (OR OPTIONALLY CAN BE CONFIGURED TO COME ON AUTOMATICALLY TO 50%). EATON #VSW-P-010
Ⓜ	HASH MARKS INDICATE NUMBER OF CONDUCTORS PHASE/NEUTRAL/SWITCH LEG/GROUND FROM LEFT TO RIGHT. NO HASH MARKS INDICATES 2#12, 1#12G, UNLESS OTHERWISE NOTED.
Ⓜ	UNDERGROUND CONDUIT
RECEPTACLES AND OUTLETS	
Ⓜ	DUPLEX WALL RECEPTACLE, NEMA 5-15R, 15A, 125V OR NEMA 5-20R, 20A, 125V, RE: SPECIFICATIONS, DOT INDICATES ABOVE COUNTER.
Ⓜ WP	DUPLEX WALL RECEPTACLE, "WP" DENOTES WEATHERPROOF, "TP" DENOTES SAFETY TYPE, "GF" DENOTES GROUND FAULT PROTECTION, DOT INDICATES ABOVE COUNTER.
Ⓜ	FOURPLEX WALL RECEPTACLE, NEMA 5-15R, 15A, 125V, DOT INDICATES ABOVE COUNTER.
Ⓜ	SPECIAL RECEPTACLE, NEMA CONFIGURATION AS NOTED, DOT INDICATES ABOVE COUNTER.
Ⓜ	FLOOR OUTLET
Ⓜ	JUNCTION BOX
Ⓜ	DIRECT CONNECTION TO EQUIPMENT
Ⓜ	TELEPHONE WALL OUTLET. PROVIDE 2"x4" OUTLET BOX WITH 3/4" CONDUIT AND PULL STRING TO ABOVE CEILING.
Ⓜ	DATA WALL OUTLET. PROVIDE 2"x4" OUTLET BOX WITH 3/4" CONDUIT AND PULL STRING TO ABOVE CEILING.
Ⓜ	COMBINATION RECEPTACLE/TELEPHONE/DATA FLOOR OUTLET
Ⓜ	HUBBELL #B4333 FLOOR BOX HUBBELL 1 - #S3825 AND 2 - #S3825 COVER HUBBELL, #S9385 CARPET FLANGE
Ⓜ	HUBBELL #B4233 FLOOR BOX HUBBELL 1 - #S3825 COVER AND 1 - #S3825 COVER HUBBELL, #S9384 CARPET FLANGE
Ⓜ	HUBBELL #B2436 FLOOR BOX HUBBELL #S3825 COVER HUBBELL, #S9383 CARPET FLANGE
Ⓜ	CATV. PROVIDE 2"x4" OUTLET BOX WITH 3/4" CONDUIT AND PULL STRING TO ABOVE CEILING.
ELECTRICAL EQUIPMENT	
Ⓜ	DISTRIBUTION PANEL
Ⓜ	PLYWOOD TERMINAL BOARD, TYPE AS NOTED, 4" X 8" X 3/4", UNLESS NOTED OTHERWISE
Ⓜ	TRANSFORMER
MOTORS AND CONTROLS	
Ⓜ	SINGLE OR THREE PHASE MOTOR
Ⓜ	DISCONNECT (SAFETY) SWITCH "200/3150" DENOTES AMPERES/POLE/FUSE, "NF" DENOTES NON-FUSED
Ⓜ	MOTOR STARTER
Ⓜ	COMBINATION DISCONNECT (SAFETY) SWITCH AND MOTOR STARTER "30/315/0" DENOTES AMPERES/POLES/FUSE/ STARTER SIZE, "NF" DENOTES NON-FUSED.
Ⓜ	MANUAL MOTOR STARTING WITH THERMAL OVERLOAD
FIRE ALARM	
Ⓜ	FIRE ALARM CONTROL PANEL (FLUSH/SURFACE)
Ⓜ	CEILING SPEAKER/STROBE
Ⓜ	WALL SPEAKER/STROBE
Ⓜ	CEILING STROBE
Ⓜ	WALL STROBE
Ⓜ	SPEAKER
Ⓜ	MANUAL PULL STATION
Ⓜ	AREA SMOKE DETECTOR, "H" HEAT DETECTOR, "DD" DUCT DETECTOR.
Ⓜ	SPRINKLER FLOW SWITCH
Ⓜ	VALVE SUPERVISORY SWITCH
Ⓜ	NIGHT LIGHT

## Load Analysis

Connect	KVA	Factor	Demand KVA	A Amps	B Amps	C Amps	N Amps
Lighting	7.0	1.25	8.7	13.9	22.1	21.0	24.1
Receptacles	19.6	0.754	14.8	55.5	48.0	60.0	41.1
HVAC	57.9	1.00	57.9	150.0	169.0	169.0	0.0
MISC	28.1	1.00	28.1	95.8	74.2	67.0	77.9
25% Largest Motor	0.5	1.00	0.5	1.0	1.0	1.0	0.0
<b>Total</b>	<b>113.1</b>		<b>110.0</b>	<b>316.2</b>	<b>314.3</b>	<b>318.0</b>	<b>143.1</b>

120/208V, 3 Phase, 4 Wire Service



1 ELECTRICAL ONE LINE DIAGRAM  
N.T.S.

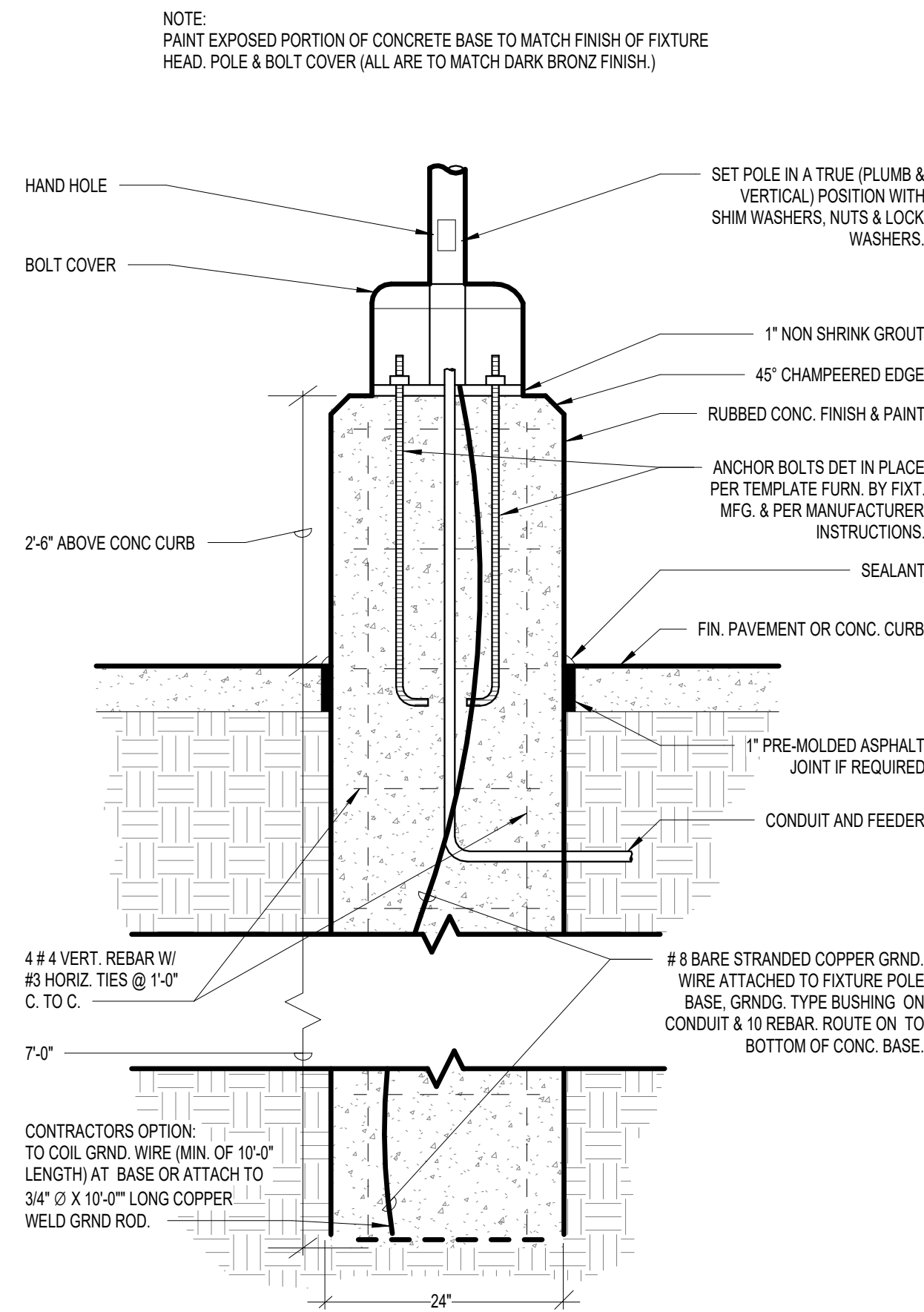
## GENERATOR LOAD ANALYSIS

Load Classification	Connected Load (VA)	Demand Factor	Estimated Demand (VA)	Estimated Demand Current
Lighting	5476 VA	125.00%	6844 VA	19 A
Lighting - Exterior	1480 VA	125.00%	1850 VA	5 A
Receptacle	19620 VA	75.48%	14810 VA	41 A
Power	28060 VA	100.00%	28060 VA	78 A
HVAC	57928 VA	100.00%	57928 VA	161 A
<b>Total Connected Load (VA):</b>	<b>112563 VA</b>		<b>Total Demand Load (VA):</b>	<b>109492 VA</b>
			<b>Total Current:</b>	<b>304 A</b>

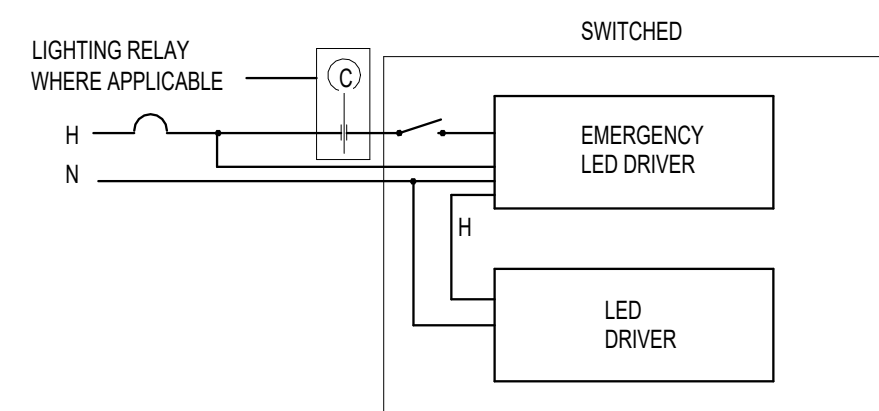
120/208 Wye, 3 Phase, 4 Wire Service

## SPD SCHEDULE

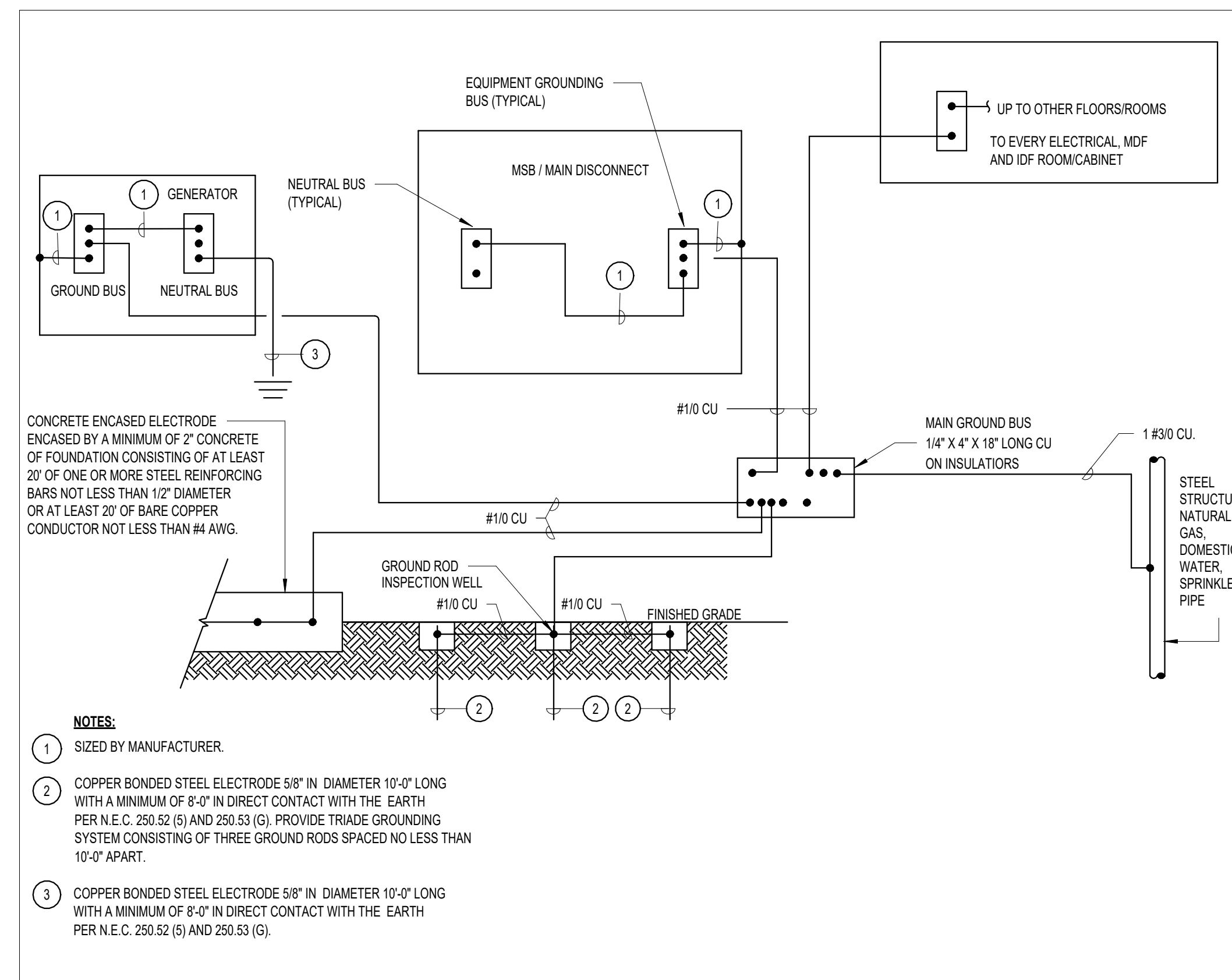
MARK	MODEL	CABLE SIZE
SPD1	120KA PER PHASE, 120/208 3P	5 #10, 1 1/2" C
SPD2	80KA PER PHASE, 120/208 3P	5 #10, 1 1/2" C



3 LIGHT POLE DETAIL  
N.T.S.



4 TYPICAL EMERGENCY LED DRIVER WIRING  
12" = 1'-0"



2 ELECTRICAL GROUNDING DETAILS  
12" = 1'-0"



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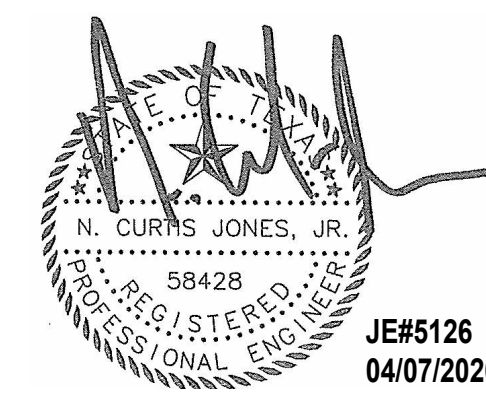
Project Number : 8825

ISSUED FOR CLIENT APPROVAL	DATE
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ISSUED FOR PERMIT	
ISSUED FOR CONSTRUCTION	

MARK	DESCRIPTION	DATE
A	ISSUE FOR BID ADDENDUM 1	04/07/2026
		04/23/2026

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DRAWING TITLE	
<b>ELECTRICAL DETAILS</b>	
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APPROVED BY	JE