

ELECTRICAL FEEDER SCHEDULE			
NO	FROM	TO	CONFIGURATION
1	UTILITY TRANSFORMER/ METERING	PROPOSED SERVICE EQUIPMENT; INCOMING	(3) 600MCM AI (XHHW-2) (1) 600MCM AI (XHHW-2) NEUT IN EACH OF (5) 4" PVC OR HDPE CONDUIT
2	PROPOSED SERVICE EQUIPMENT; INCOMING	PROPOSED SERVICE EQUIPMENT; MAIN BREAKER	FACORY INSTALLED BUSS
3	PROPOSED SERVICE EQUIPMENT; MAIN BREAKER	PROPOSED SERVICE EQUIPMENT; DISTRIBUTION PANEL	FACORY INSTALLED BUSS
4	PROPOSED SERVICE EQUIPMENT; DISTRIBUTION PANEL	PROPOSED TESLA V3 CHARGING CABINETS	(3) 500MCM AI (XHHW-2, THWN-2, OR RW90) (1) 500MCM AI (XHHW-2, THWN-2, OR RW90) NEUT (1) #1 AWG Cu GND or (1) #2/0 AL GND IN EACH OF (2) 4" PVC OR HDPE CONDUIT
6	SITE MASTER CONTROLLER	PROPOSED TESLA CHARGING CABINETS	CAT6, SHIELDED, WEATHPROOF, COMMUNICATIONS CABLE. INSTALL WITH METAL CONNECTOR AT SITE MASTER END.
7	PROPOSED TESLA V3 CHARGING CABINET	PROPOSED TESLA CHARGING POST	(4) 350MCM AI (1000V) (1) #1 AWG Cu GND or (1) #2/0 AL GND (1) 600V COMM CABLE IN 4" PVC OR HDPE CONDUIT
8	CENTER CHARGING CABINET (SHARED DC BUS CABINET)	DC BUS OF EACH CHARGING CABINET	(2) 600MCM AI (XHHW-2, THWN-2, OR RW90) (1) #1/0 AWG Cu GND, (1) #3/0 AWG AI DC MID IN EACH OF (2) 3" PVC OR HDPE CONDUIT OR PRECAST CONCRETE WIREWAY
9	PROPOSED SERVICE EQUIPMENT; DISTRIBUTION PANEL	PROPOSED INTERNAL EQUIPMENT HEATER	FACORY INSTALLED CABLING (BY MANUFACTURER)

- GENERAL SHEET NOTES
1. NEUTRAL MUST BE INCLUDED FOR PROPER OPERATION OF TESLA SUPERCHARGERS.

2. PROPOSED UTILITY PTs & CTs SHALL BE LOCATED IN SWITCHGEAR. PROPOSED METER SHALL BE MOUNTED ON H-STAND. COORDINATE EXACT WIRING WITH UTILITY. PROVIDE 1"C. TO METER.

3. SEE SHEET E-2 FOR PANEL SCHEDULES.

4. ALL CONDUIT FURNISHED AND INSTALLED BY CONTRACTOR. ALL WIRING FURNISHED BY TESLA AND INSTALLED BY CONTRACTOR.

5. ALL CONDUITS ACCESSIBLE TO THE GENERAL PUBLIC OR WHICH CONDUITS CAN BE DAMAGED SHALL BE RIGID GALVANIZED STEEL.

6. ALL BUSHINGS AND INTERNAL WIRING OF PROPOSED SERVICE EQUIPMENT PROVIDED BY MANUFACTURER. ANY MODIFICATIONS SHALL REQUIRE ENGINEERING APPROVAL PRIOR TO ANY CHANGES BEING MADE.

7. CONTRACTOR SHALL PERFORM ARC FLASH CALCULATIONS AS REQUIRED IN THE FOLLOWING: NFPA 70; NFPA 70E; OSHA 29; AND IEEE STANDARDS 1584. CONTRACTOR SHALL OBTAIN ALL NECESSARY INFORMATION FROM POWER COMPANY TO CALCULATE FLASH PROTECTION BOUNDARIES, INCIDENT ENERGY LEVELS, AND SHALL DETERMINE MINIMUM PPE REQUIREMENTS FOR COMPLETING THE WARNING LABELS. PROVIDE WARNING LABELS CONTAINING ALL THE LATEST INFORMATION AS REQUIRED BY LOCAL JURISDICTION, STATE AND FEDERAL CODES AND LAWS.

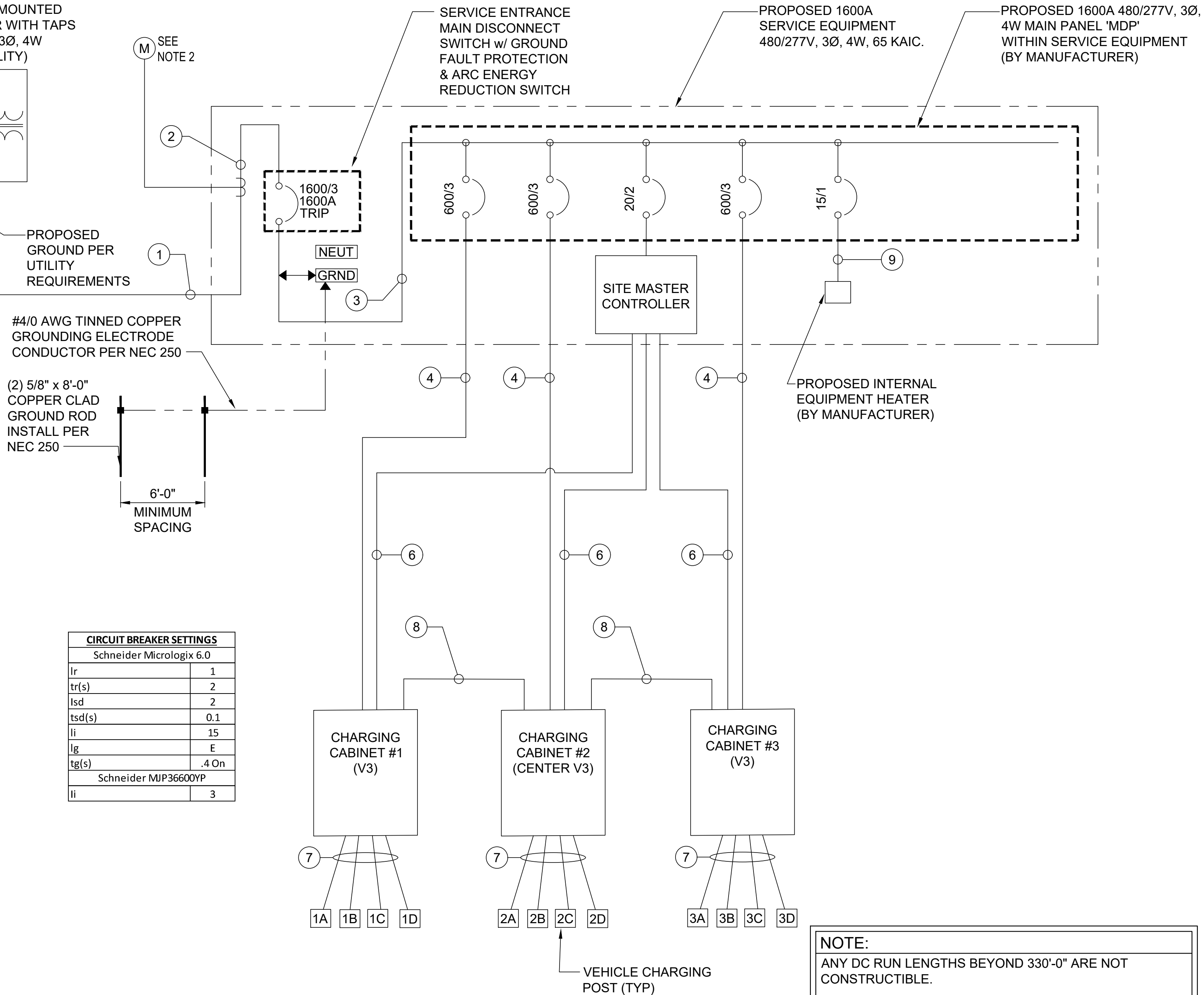
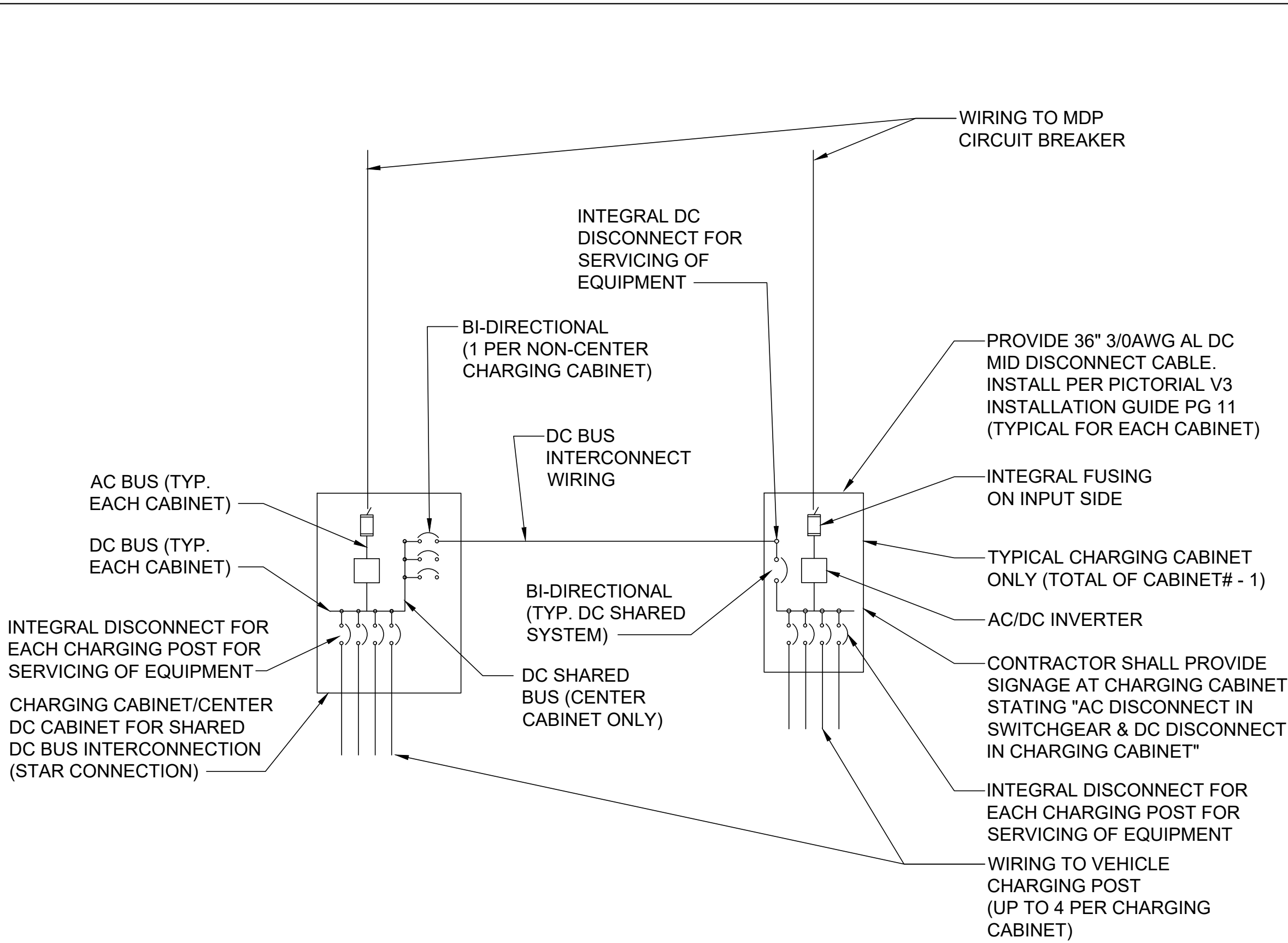
8. VERIFY AVAILABLE FAULT CURRENT AT THE SECONDARY OF THE UTILITY TRANSFORMER WITH THE POWER COMPANY. CONDUCT A FAULT CURRENT ANALYSIS TO DETERMINE THE INTERRUPTING CAPACITY (AIC RATING) OF THE ELECTRICAL EQUIPMENT. AIC RATING OF EQUIPMENT SHALL BE BASED UPON CONTRACTOR'S FAULT CURRENT ANALYSIS.

9. ALL ALUMINUM (AI) CONDUCTORS TO RECEIVE ANTI-OXIDATIVE COATING DURING INSTALLATION. ALL OTHER CONDUCTORS ARE COPPER UNLESS NOTED OTHERWISE.

10. THE CHARGING CABINETS AND THE CHARGING POSTS USED ON THIS PROJECT COMPLY WITH THE FOLLOWING STANDARDS:
 - UL 2202
 - CSA 22.2 NO 107.1-16
 - UL 1998 PENDING

11. THE AFOREMENTIONED STANDARDS IDENTIFY THE REQUIREMENTS MET BY THE EQUIPMENT, INCLUDING BUT NOT LIMITED TO:
 - PROTECTION AGAINST ELECTRIC SHOCK
 - OVERLOAD AND SHORT CIRCUIT PROTECTION
 - FAULT PROTECTION
 - DEGREES OF PROTECTION AGAINST ACCESS TO HAZARDOUS LIVE PARTS
 - THE INTERNAL COMPONENTS OF THE SYSTEM ARE PROPRIETARY. ANY QUESTIONS CONCERNING ACTUAL INTERNAL PROTECTIVE DEVICES MUST BE COORDINATED DIRECTLY WITH TESLA.

12. CONTRACTOR SHALL VERIFY AC AND DC WIRING REQUIREMENTS WITH VENDOR'S SCHEMATIC WIRING DRAWINGS.



TESLA

3500 DEER CREEK RD
PALO ALTO, CA 94304
(650) 681-5000

LAB

49030 Pontiac Trail, Ste 400
Wixom, Michigan 48393
PHONE: 248-705-9212

DRAWN BY:	JSR
CHECKED BY:	RCH

B	11/29/2021	CD100
A	09/22/2021	CD90
REV	DATE	DESCRIPTION

STATE OF MICHIGAN

ROBIN HYMAN
ENGINEER
NO. 55057

SITE NAME: YPSILANTI, MI
3825 CARPENTER RD
YPSILANTI, MI 48197

SHEET TITLE
**SYSTEM ONE-LINE & V3
SUPERCHARGER
INTERCONNECTION DIAGRAM**

SHEET NUMBER
E-3

TYPICAL V3 SUPERCHARGER INTERCONNECTION DIAGRAM	NO SCALE	B	TYPICAL SYSTEM ONE-LINE DIAGRAM	NO SCALE	A
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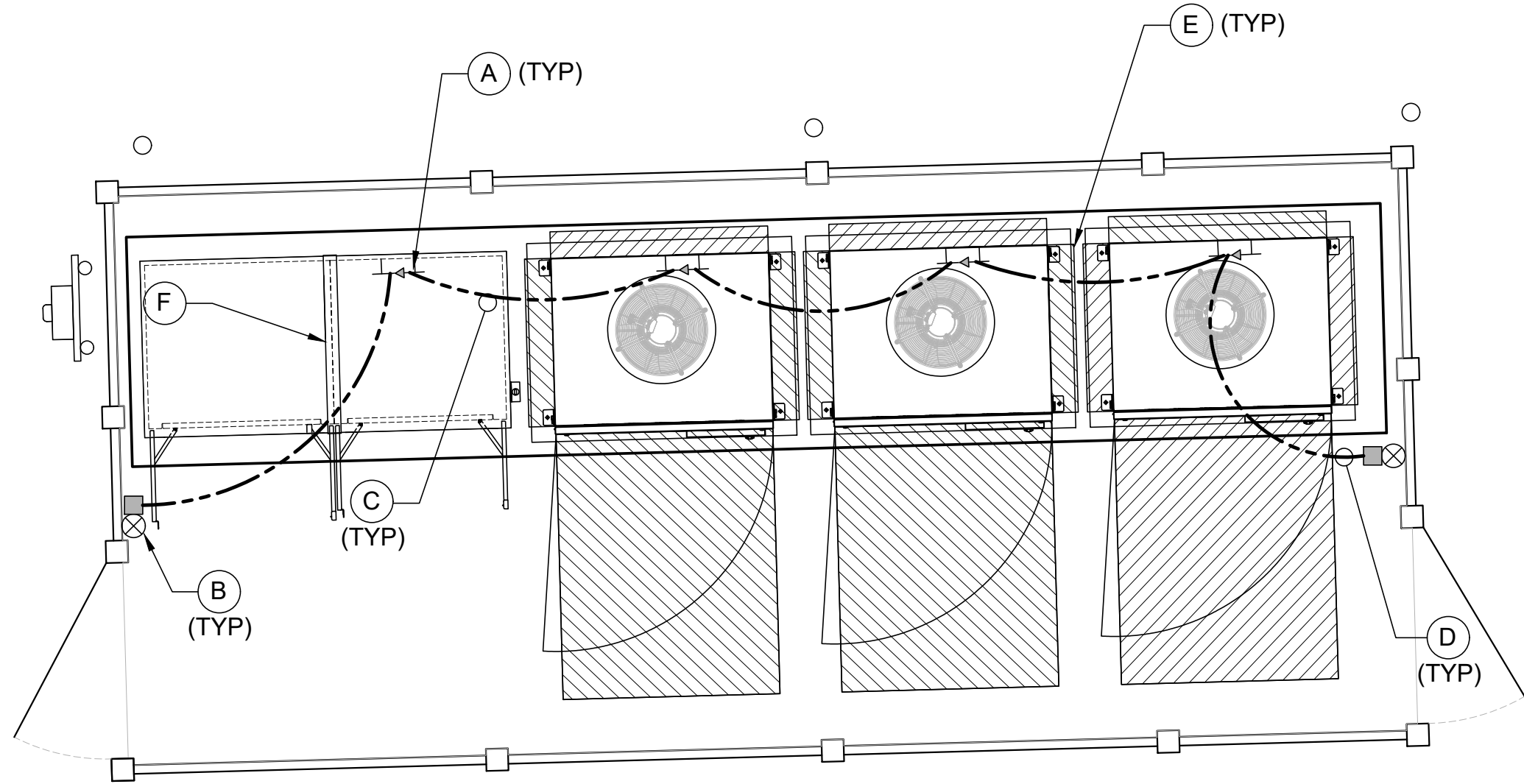
GROUNDING LEGEND

- EXOTHERMIC WELD (2) TWO, #6 AWG BARE TINNED SOLID COPPER CONDUCTORS TO GROUND BAR/LUG. ROUTE CONDUCTORS TO BURIED GROUND RING AND PROVIDE PARALLEL EXOTHERMIC WELD.
- ALL GROUND BARS SHALL BE STAMPED IN TO THE METAL "IF STOLEN DO NOT RECYCLE."
- ALL HARDWARE SHALL BE STAINLESS STEEL 3/8" DIAMETER OR LARGER. ALL HARDWARE 18-8 STAINLESS STEEL INCLUDING LOCK WASHERS, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
- FOR GROUND BOND TO STEEL ONLY: INSERT A CADMIUM FLAT WASHER BETWEEN LUG AND STEEL, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
- DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND CONDUCTOR DOWN TO GROUND BUS.
- NUT AND WASHER SHALL BE PLACED ON THE FRONT SIDE OF THE GROUND BAR AND BOLTED ON THE BACK SIDE. INSTALL BLACK HEAT-SHRINKING TUBE, 600 VOLT INSULATION, ON ALL GROUND TERMINATIONS. THE INTENT IS TO WEATHERPROOF THE COMPRESSION CONNECTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ADDITIONAL GROUND BAR AS REQUIRED, PROVIDING 50% SPARE CONNECTION POINTS.
- ENSURE THE WIRE INSULATION TERMINATION IS WITHIN 1/8" OF THE BARREL (NO SHINERS).
- TESLA CHARGERS HAVE INTERNAL HIGH IMPEDANCE GROUND FAULT PROTECTION (10MΩ).
- EMC - ELECTROMAGNETIC COMPATIBILITY.
- ALL GROUNDING HARDWARE SUPPLIED AND INSTALLED BY CONTRACTOR.
- TOP OF ROD IS MINIMUM 12" BELOW GRADE

GROUNDING LEGEND

- (A) GROUND BAR/LUG WITHIN PROPOSED EQUIPMENT.
- (B) PROPOSED 5/8"x8'-0" GROUND ROD.
- (C) PROPOSED SERVICE GROUND.
- (D) PROPOSED CHARGING CABINET GROUND FOR EMC.
- (E) PROPOSED CHARGING CABINET.
- (F) PROPOSED SWITCHGEAR.

- PROPOSED GROUND CONDUCTOR
- CADWELD CONNECTION (EXOTHERMIC WELD)
- ▲ MECHANICAL CONNECTION
- ⊗ GROUND ROD



GROUNDING PLAN

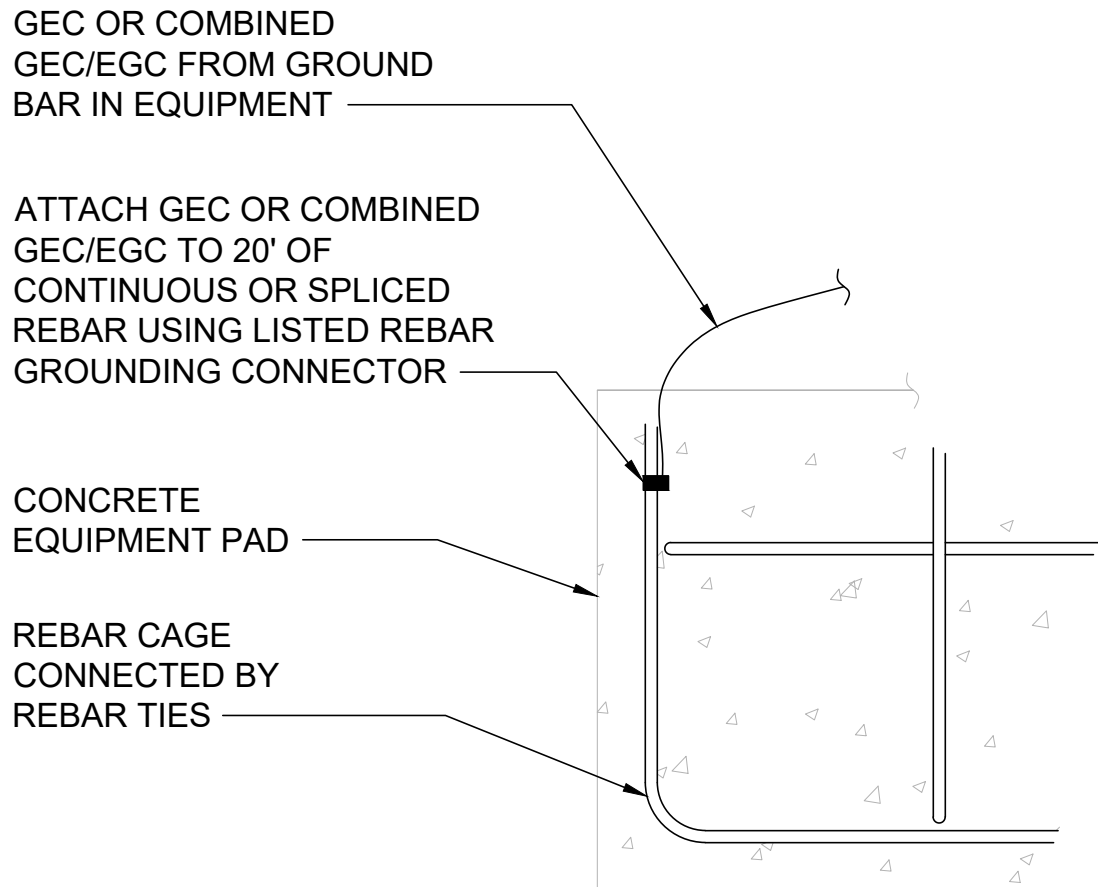
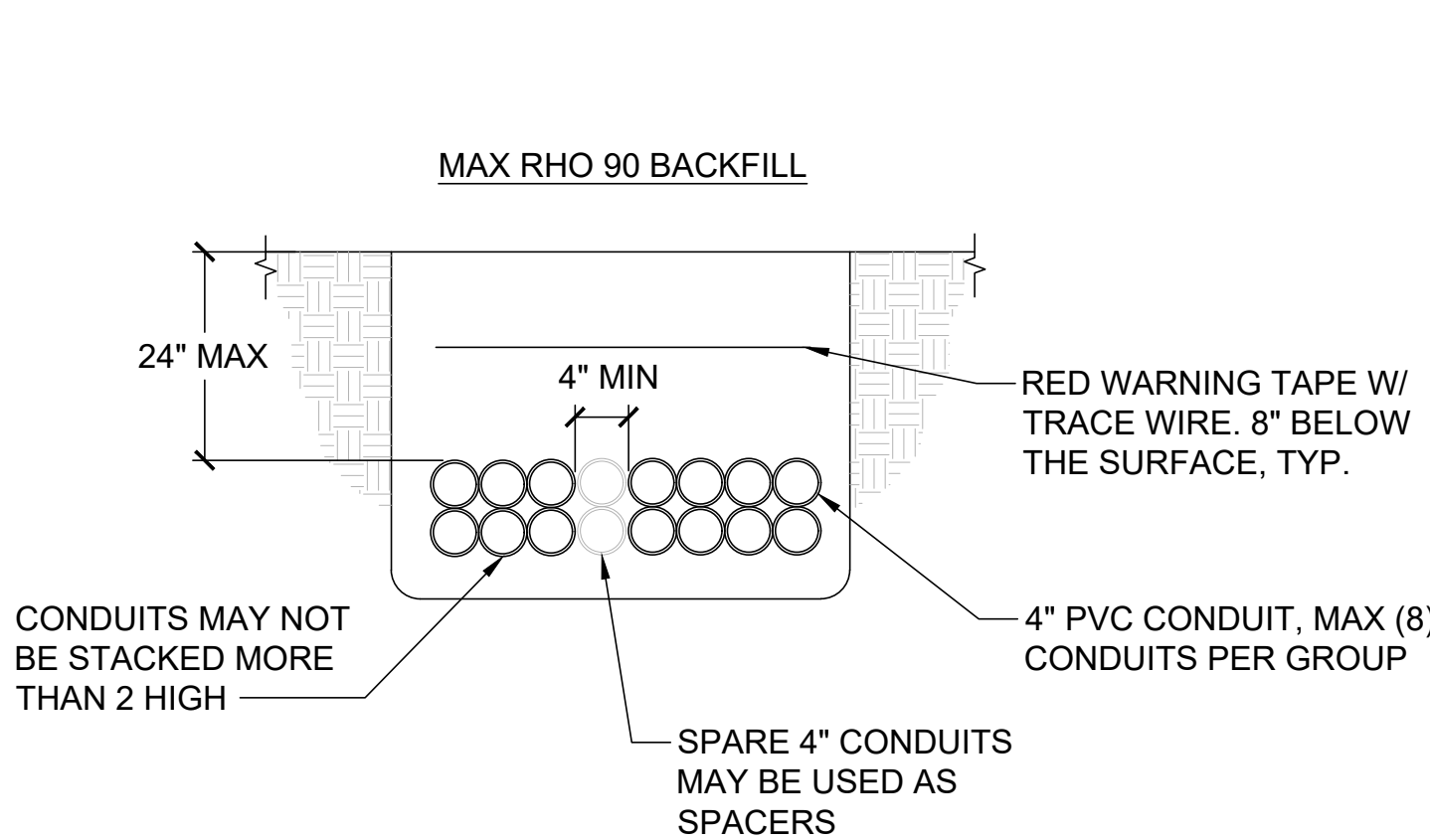
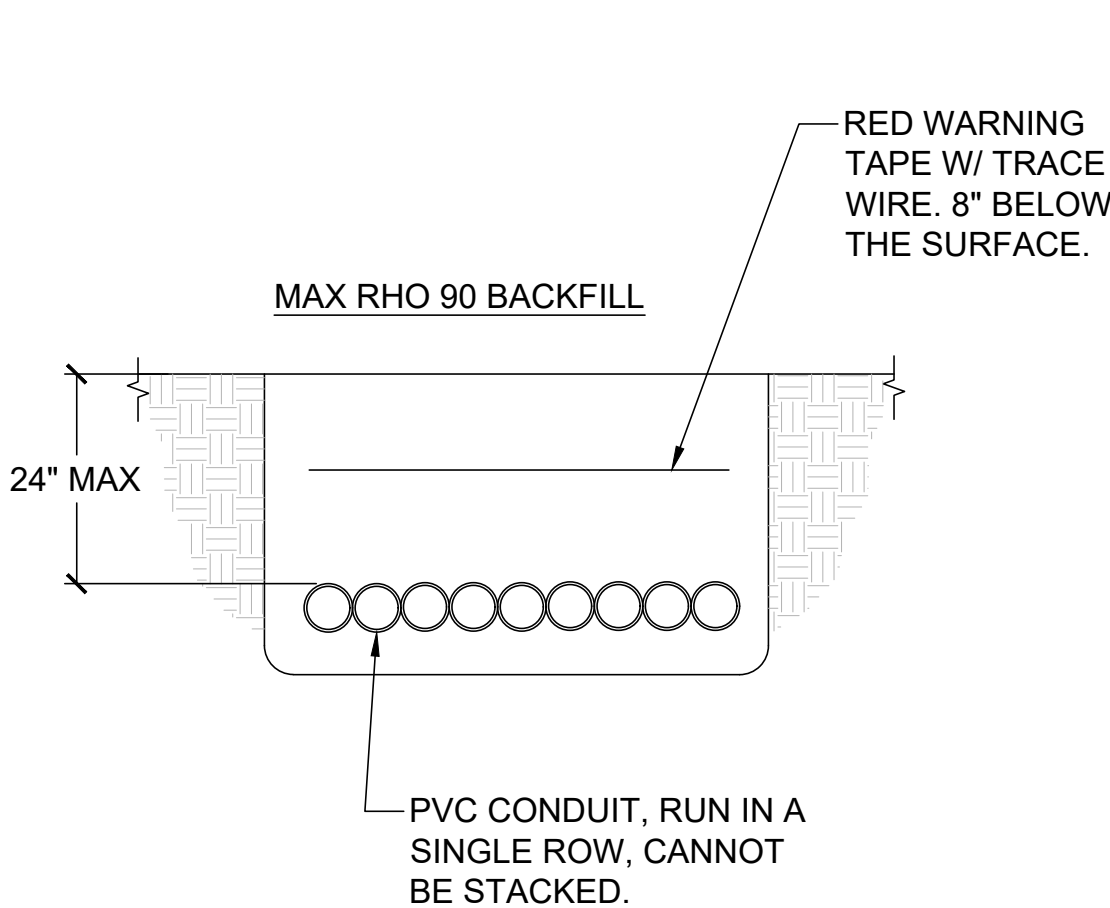
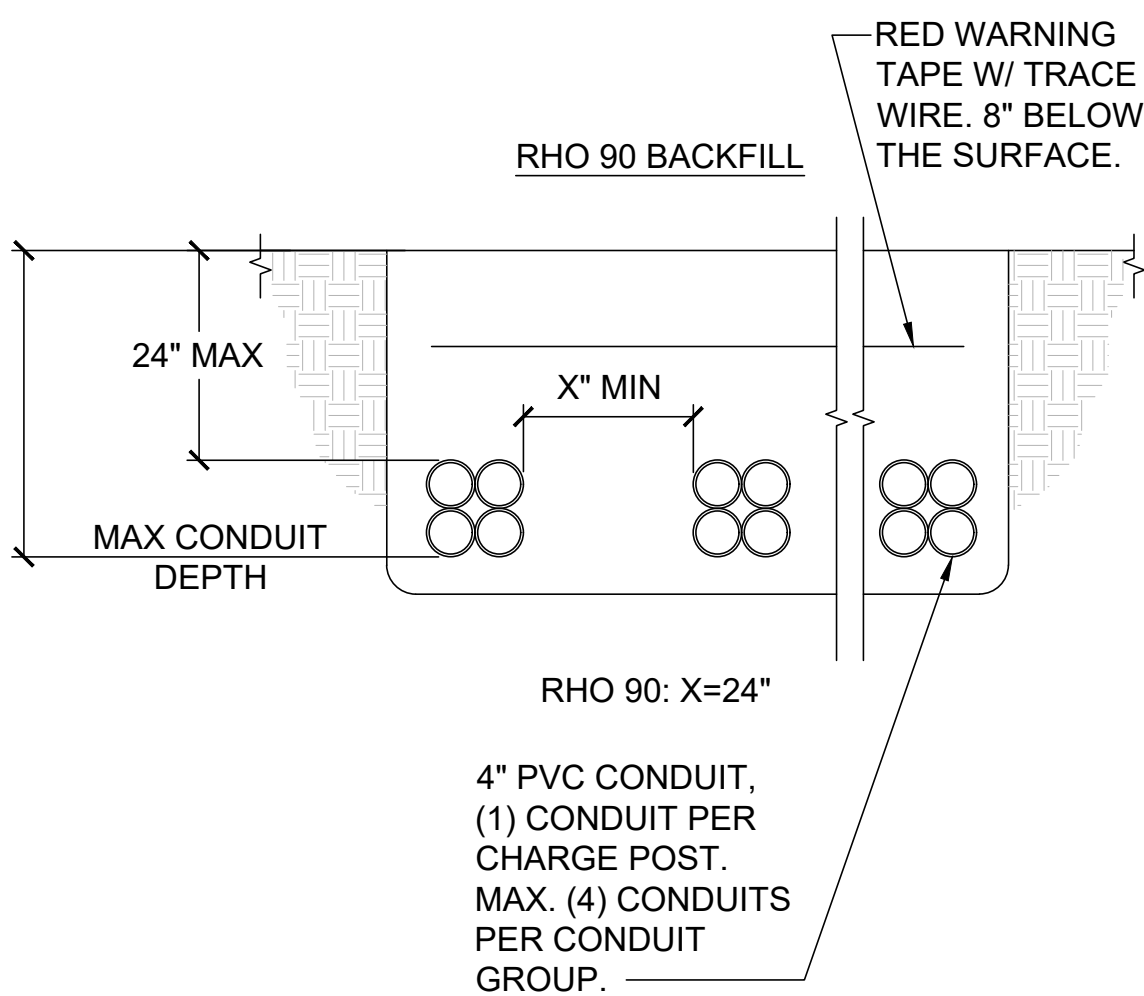
NO SCALE

A

CONCRETE ENCASED ELECTRODE DETAIL

NO SCALE

B



DC CIRCUIT TRENCH - RHO 90

NO SCALE

C

DC-BUS CIRCUITS TRENCH - MAX RHO 90

NO SCALE

D

AC CIRCUIT TRENCH - MAX RHO 90

NO SCALE

E

CONCRET PAD GROUNDING DETAIL

NO SCALE

F

TRENCHING NOTES

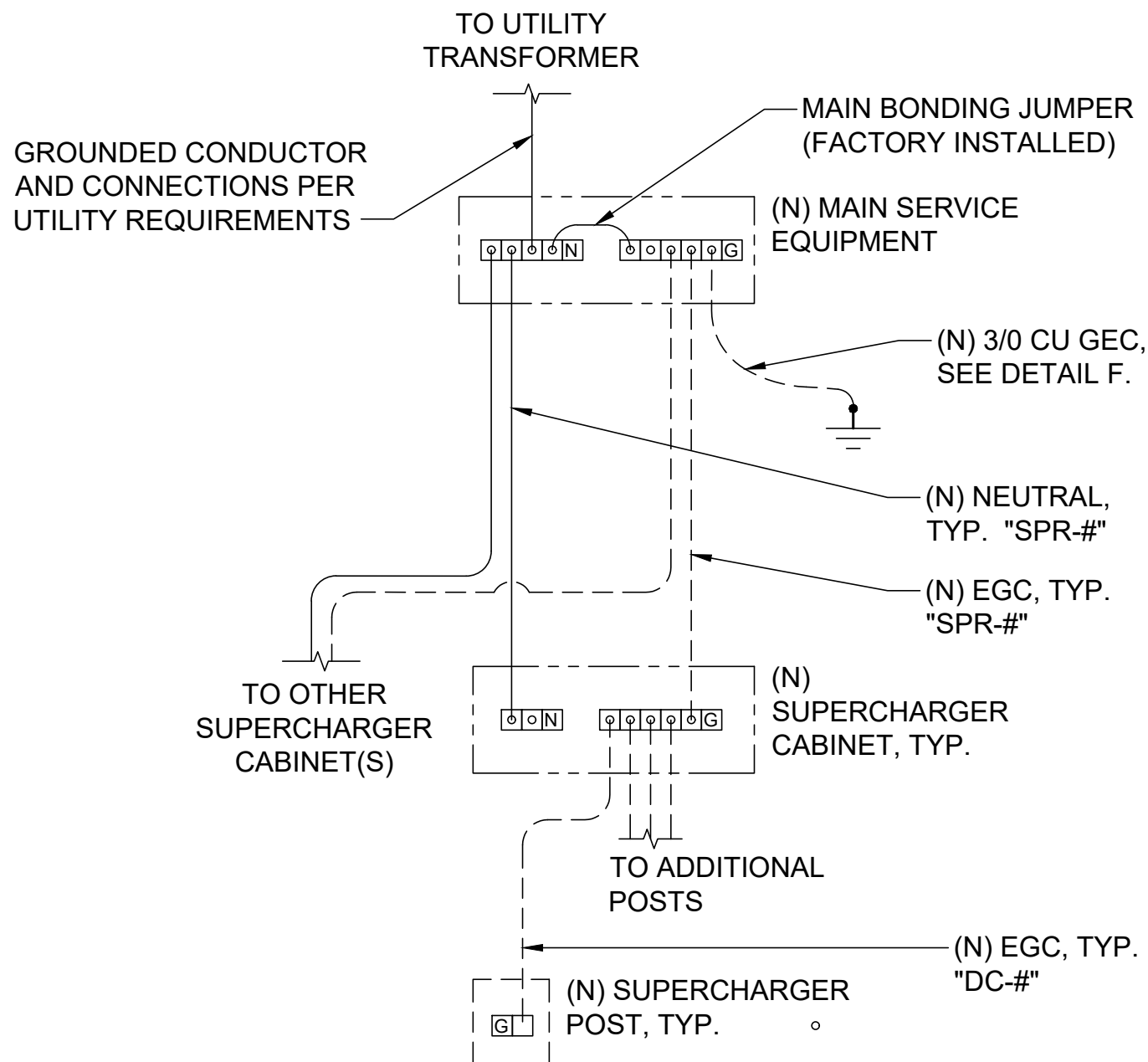
- THE TRENCH DESIGNS ARE THE RESULT OF A THERMAL ANALYSIS OF THE CONDUCTORS UNDER LOAD. FOR PROPER PROTECTION THEY MUST BE FOLLOWED.
- APPROVED BACKFILL IS REQUIRED TO MEET THE DESIGNED RHO VALUES. USE THE SPECIFIED BACKFILL LISTED BELOW OR TEST NATIVE SOIL CONDITIONS TO CONFIRM MAX DEFINED RHO VALUES
- RHO 90 BACKFILL** - LOW STRENGTH FLUIDIZED THERMAL (SLURRY) BACKFILL WITH MIN 28 DAY COMPRESSIVE STRENGTH OF 150 PSI MUST BE USED TO ACHIEVE MAX RHO 90.
- FOR TRENCHES WITH MIXED CIRCUIT TYPES, APPLY THE CONDUIT SPACING FOR THE CIRCUIT TYPE WITH THE LARGER SPACING REQUIREMENT.
- CONDUIT TO BE INSTALLED TO A MAX COVER OF 24". COVER MAY BE REDUCED PER THE NEC TABLE 300.5.

GROUNDING NOTES

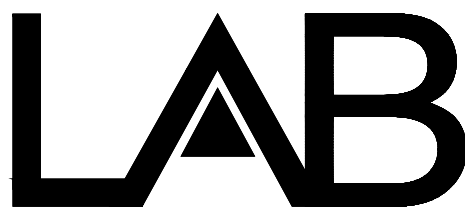
- REFER TO ONE-LINE DIAGRAM FOR SPECIFIC CIRCUIT IDENTIFIERS BETWEEN EQUIPMENT.
- REFER TO AC & DC CIRCUIT SCHEDULES FOR NEUTRAL/GROUND SIZING PER CIRCUIT.

SYMBOLS LEGEND

- ⊞ NEUTRAL BUSBAR
- ⊞ GROUND BUSBAR
- ⊞ PRIMARY OR SECONDARY COMMON TERMINAL, AS APPLICABLE
- ⊞ TERMINAL ON NEUTRAL OR GROUND BUSBAR
- IRREVERSIBLE SPLICE OR CRIMP PER NEC 250.64(C)
- ⊞ NEC 250.52(A)-COMPLIANT GROUNDING ELECTRODE



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PALO ALTO, CA 94304
(650) 681-5000



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DRAWN BY: JSR
CHECKED BY: RCH

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REV	DATE	DESCRIPTION

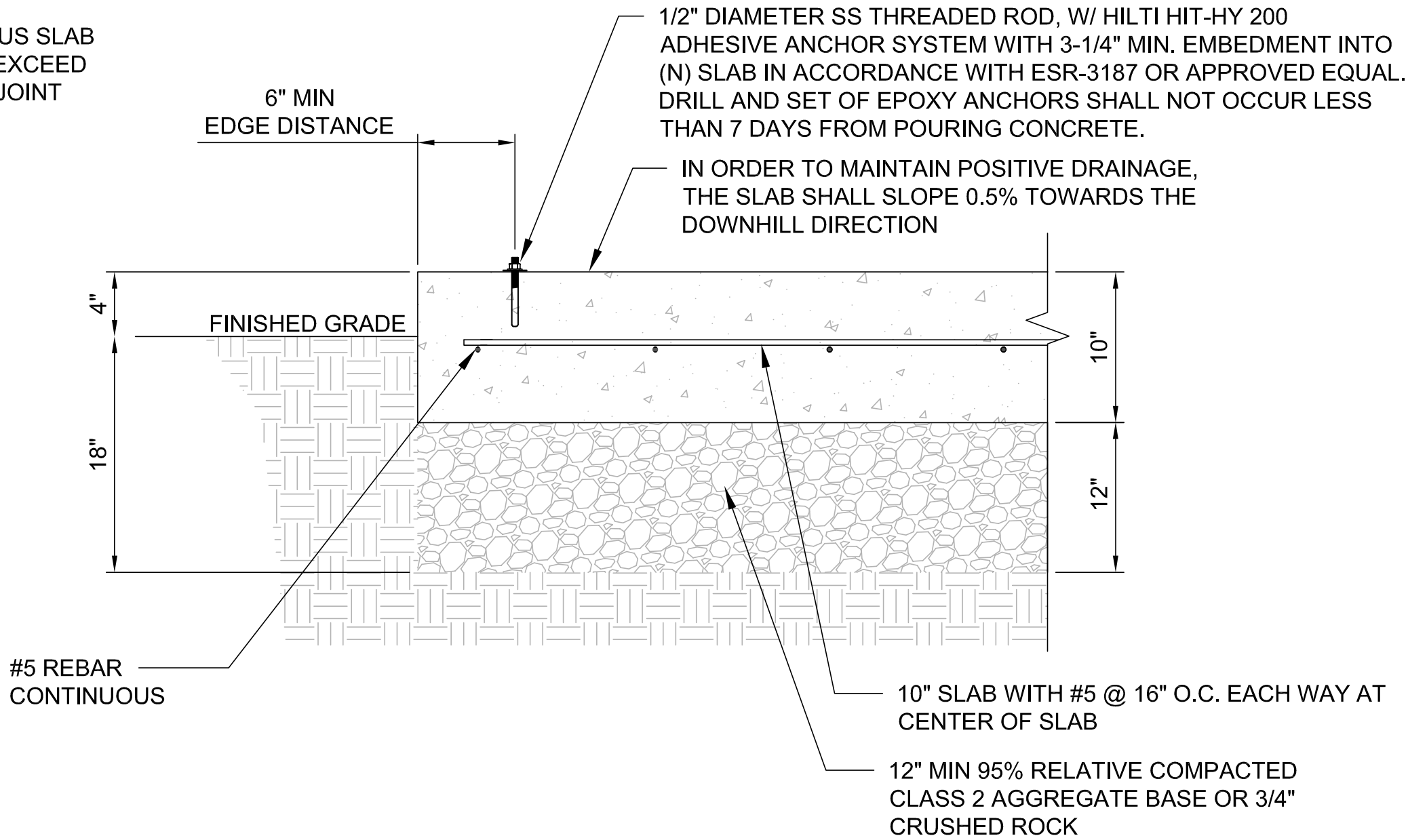


SITE NAME: YPSILANTI, MI
3825 CARPENTER RD
YPSILANTI, MI 48197

SHEET TITLE
GROUNDING DETAILS

SHEET NUMBER
G-1

NOTE: MAX. CONTINUOUS SLAB LENGTH SHOULD NOT EXCEED 50 FT W/O EXPANSION JOINT



EQUIPMENT PAD & ANCHOR SECTION

NO SCALE

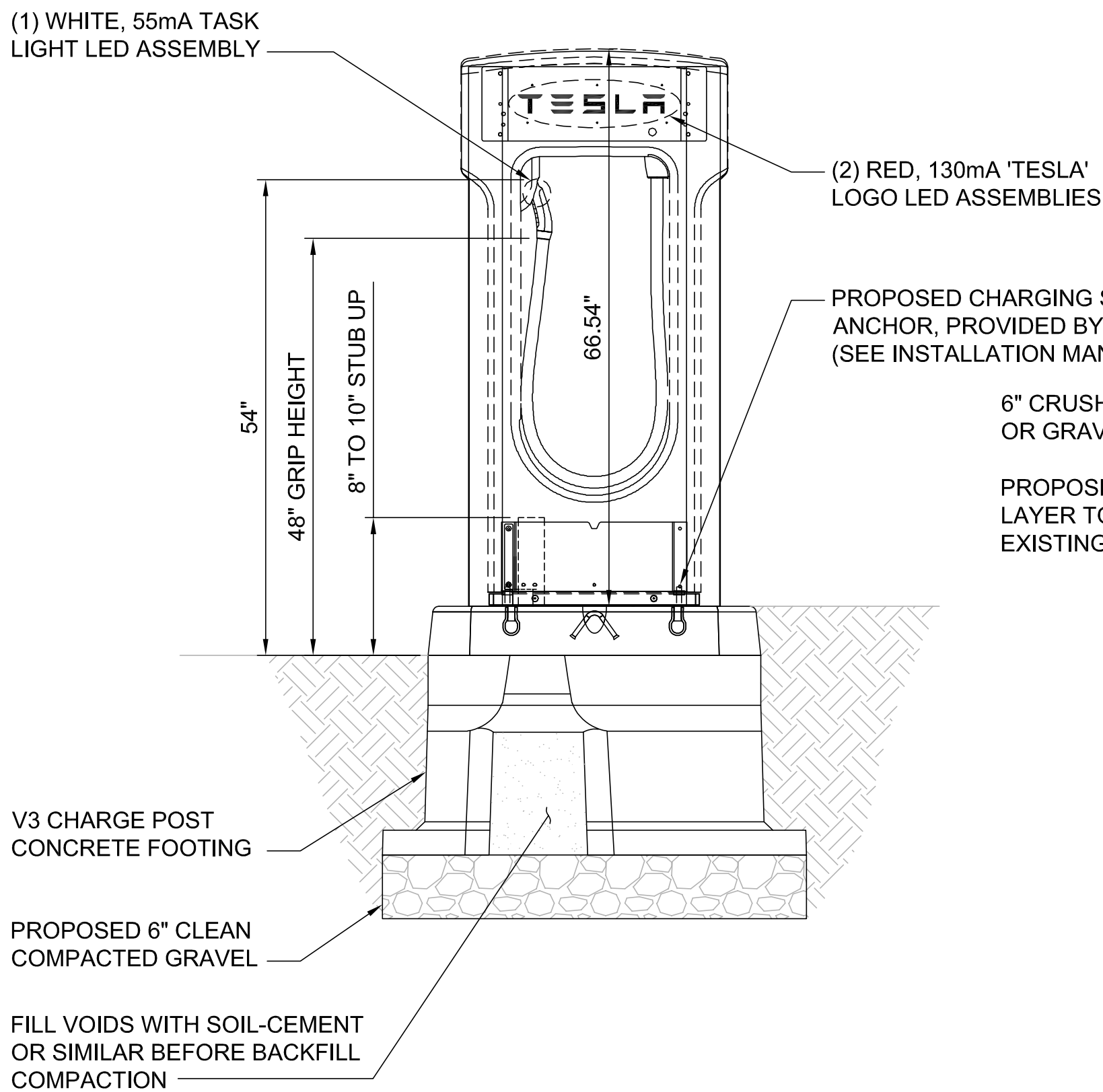
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NOT USED

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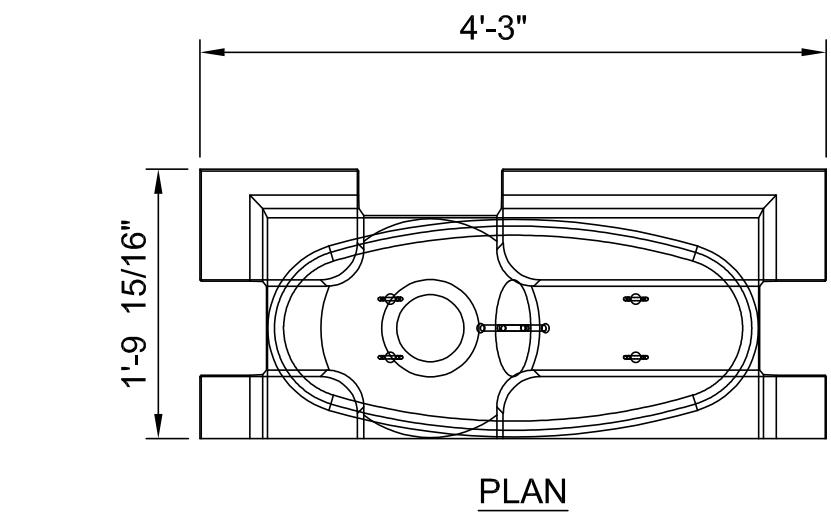
B

(1) WHITE, 55mA TASK LIGHT LED ASSEMBLY

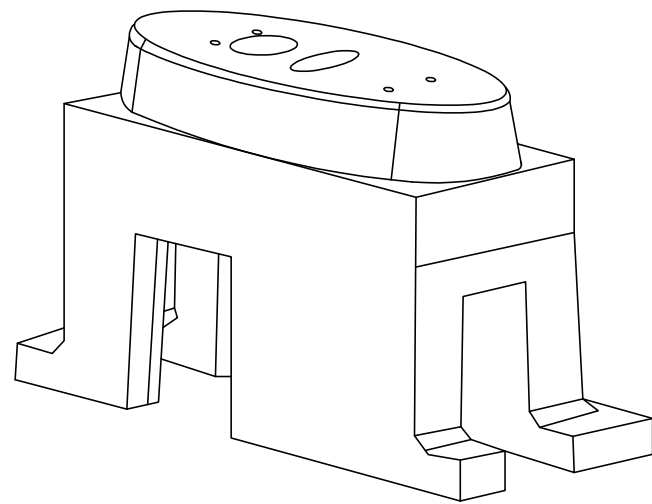


6" CRUSHED STONE OR GRAVEL

PROPOSED TOP LAYER TO MATCH EXISTING CONDITION



PLAN



ISOMETRIC

120KW POST CONCRETE FOOTING (P/N 1478598 -00-B)

PROPOSED 6" CLEAN COMPACTED GRAVEL

NOT USED

NO SCALE

C

ILLUMINATED CHARGING STATION FOOTING DETAIL

D



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PHONE: 248-705-9212

DRAWN BY: RC
CHECKED BY: PL

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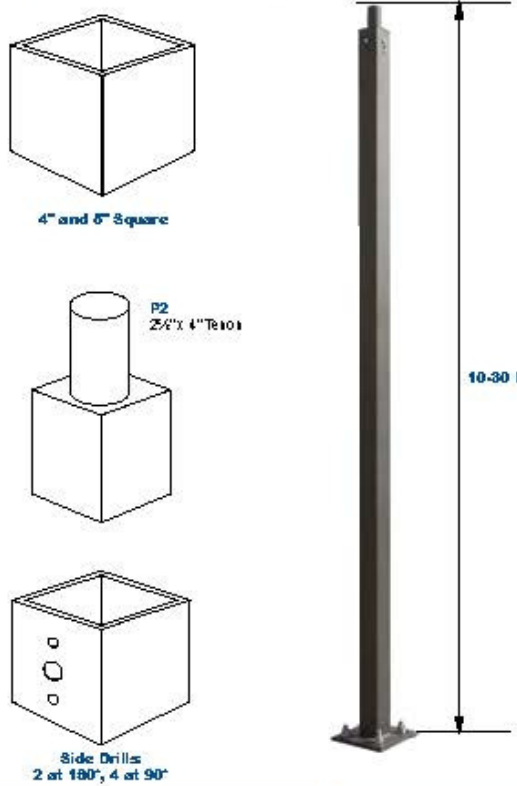


SITE NAME: YPSILANTI, MI
(TRT # 16411)
3825 CARPENTER RD
YPSILANTI, MI 48197

SHEET TITLE
INSTALLATION DETAILS

SHEET NUMBER
D-1

BLPSSS
Straight Square Steel Poles, 4", 5"



Order Information Example: BLPSS3000725LBC					
BLPSSS		Z			
Model	Height/Shaft/Spigot (Pick One)	Color	Pole Top Mounting	Drill Template	Options
	4" Square 11 Gauge 5" Square 11 Gauge 6" Square 11 Gauge 7" Square 11 Gauge	24x11-20" 24x11-20" 24x11-20" 24x11-20"	24x11-20" 24x11-20" 24x11-20" 24x11-20"	24x11-20" 24x11-20" 24x11-20" 24x11-20"	24x11-20" 24x11-20" 24x11-20" 24x11-20"

Project Information:		Notes:	
Project Name:	Fixture Type:	1. Side Drilled poles include polycarbonate pole cap.	2. All poles include anchor bolts & standard, consult dimension table for size based on pole dimensions.
Complete Catalog #:	Date:	3. All poles include square spigot bottom (as per spec).	
Comments:			

Pole Series

The LEPO BLPSSS Series Straight Square Steel poles are built from high strength steel tube and are available side drilled for arm mounted area lighting luminaires or with top mounted for food and post top luminaires. Typical area lighting applications include retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities. Mounting heights of 10 to 30 feet can be used based on selected luminaire application.

Specifications and Features:

Pole Specifications:
Conforms to ASTM A500 Grade B. Minimum Yield Strength of 46,000 PSI. Wall Thickness Available in 11 Gauge (1.20") or 7 Gauge (1.187").

Finish:
Textured Architectural Bronze Powdercoat Finish, Baked to Ensure Maximum Paint Adhesion, Hardness and Durability.

Anchor Bolts:
Anchor Bolts are Included, Sized Based on Pole Data Charts for the Selected Pole Size.

Hand Hole:
Cast Iron Reinforced Hand Hole and Cover with Ground Screw.

Base Cover:
Poles are Provided With a Two-Piece Formed Steel Base Cover that is Easily Assembled and Fitted Over Pole Base.

Pole Length:
Poles are Available in Standard Lengths as Shown in the Order Matrix. Poles can be Custom Cut to Order. Consult Factory.

Mounting Options:
Standard Length Poles Include 2 1/2" O.D. Tenon, Side Drilled 4 @ 90 Degrees, Polycarbonate Top Cover and Hole Plug for Unused Drilling Locations.

Out To Order Poles can be Side Drilled for 2 @ 180 Degrees or 4 @ 90 Degrees, Includes Polycarbonate Top Cover and Hole Plug for Unused Drilling Locations.

Out To Order Poles May Also Be Ordered With 2 1/2" O.D. Tenons for Use With Post Top Decorative Luminaires, Flood Area Slip Fixture, or Any of a Wide Variety of Pole Top Mounting Accessories.

Project Name: _____
Application: _____
Date: _____

MADE IN THE U.S.A. GREEN ENERGY CERTIFIED DLC E-UL LISTED IP65 YES

SITE LIGHTER (SL1)

Linmore LED Labs Site Lighter (SL1) is a superior combination of performance, value, and form factor. The body of the Site Lighter is unique in that it is extruded aluminum and exceptional at moving thermal energy while the rest of the market uses castings or weldments. Beyond the thermal efficiency of the housing, the aesthetics are modern and attractive. Efficacy averages 165 lumens/watt across our models putting the Site Lighter in rare space and bringing ultra-low wattages to site lighting. A variety of optic packages direct the light where it is needed. Built to last, the Site Lighter incorporates Linmore's drivers for years of sustainable ownership. When the objective is to maximize value in your exterior lighting with power, energy savings, and aesthetics, the Linmore Site Lighter is the clear choice.



HIGHLIGHTS

Optics:

Type 2, Type 3 & Type 5
Clear, Polycarbonate Lens

Efficacy:

Ultra-High Efficacy-Up to 175 Lumens per Watt
Industry Leading

Construction:

Extruded Aluminum Body
Heavy Duty Powder Coating
Modern Form Factor

Controls/Sensors:

Linmore LED Driver 0-10V Dimming
Motion/Dimming Sensor
Photo Cell

Mounting Options:

Slip Fitter
(Knuckle Adapter)



Straight Arm



Trunnion (Yoke)
Mount



Linmore LED Labs | 2360 S Orange Ave, Fresno CA 93725 | 559-485-6010 | www.linmoreled.com | info@linmoreled.com

SITE LIGHTER (SL1)

Specifications

Suitability	Wet Locations-IP65 Rated
Warranty	10 Years
Expected Life	L70- 150,000 Hours
System Wattages	75W, 100W, 125W, 150W & 300W
Color Rendering Index	>70
Color Temperature	3500K, 4000K & 5000K

Operating Temperature	-40F to +130F
Efficacy	(5000K) Up to 170 Lumens/Watt
Voltage	120-277V, 347-480V
Certifications	UL 1598, Light Facts, FCC CFR 47 Part 15, ROHS, CUL Canada

Design Lights Consortium	Yes
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Ordering Information

Model	Housing Size	Wattage	Kelvin	Optic	Volts	Housing Color	Mounting	Options
LL-SL1	Small (SM)	75	3500K (35K)	Type 2 (T2)	120-277V (UNV)	Bronze (BRN)	Slip Fitter (SF)	Sensor (SH)
	Medium (MD)	100	4000K (40K)	Type 3 (T3)	200-480V (HV)	White (WHT)	Standard Arm (SA)	Photo Cell (PC)
	Large (LG)	125	5000K (50K)	Type 5 (T5)			Trunnion (TM)	
		150						
		300						

Example

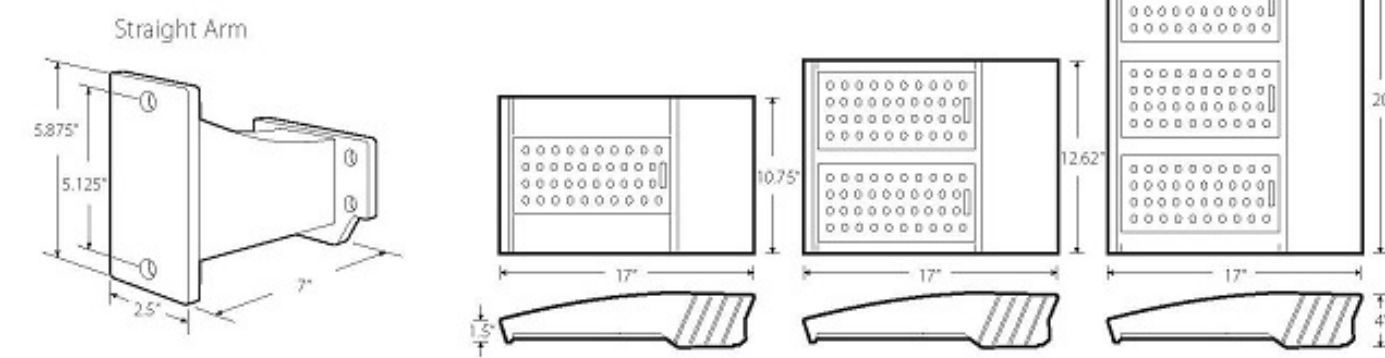
LL-SL1-SM-75W-50K-T2-UNV-BRN-SF-SN

Lumen Packages

	T2	T3	T5	Housing Type	Size (WxLxH)	Weight
75W	13104	13026	12558	Small	10.75 x 17 x 4 (taper to 1.5)	14
100W	16224	16062	16175	Small	10.75 x 17 x 4 (taper to 1.5)	14
125W	21710	21493	21645	Medium	12.62 x 17 x 4 (taper to 1.5)	16
150W	25272	25019	25196	Medium	12.62 x 17 x 4 (taper to 1.5)	16
300W	47424	46950	47282	Large	20 x 17 x 4 (taper to 1.5)	24

*Lumens are based on 5000K

For EPA information go to: www.linmoreled.com/support



Specifications are Subject to Change.

Linmore LED Labs | 2360 S Orange Ave, Fresno CA 93725 | 559-485-6010 | www.linmoreled.com | info@linmoreled.com

PEDESTRIAN LIGHT POLE MANUFACTURER
DETAIL - FOR REFERENCE ONLY

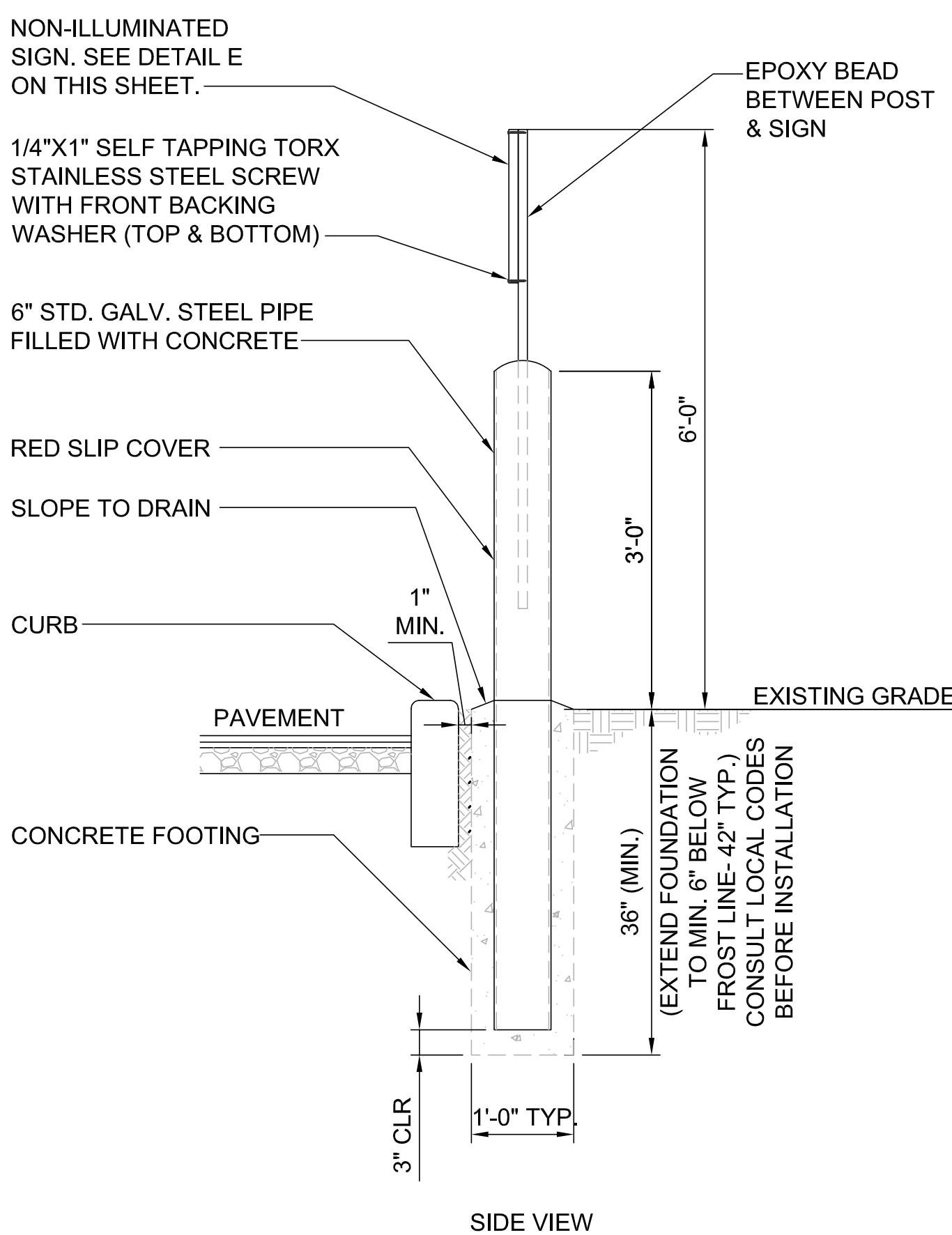
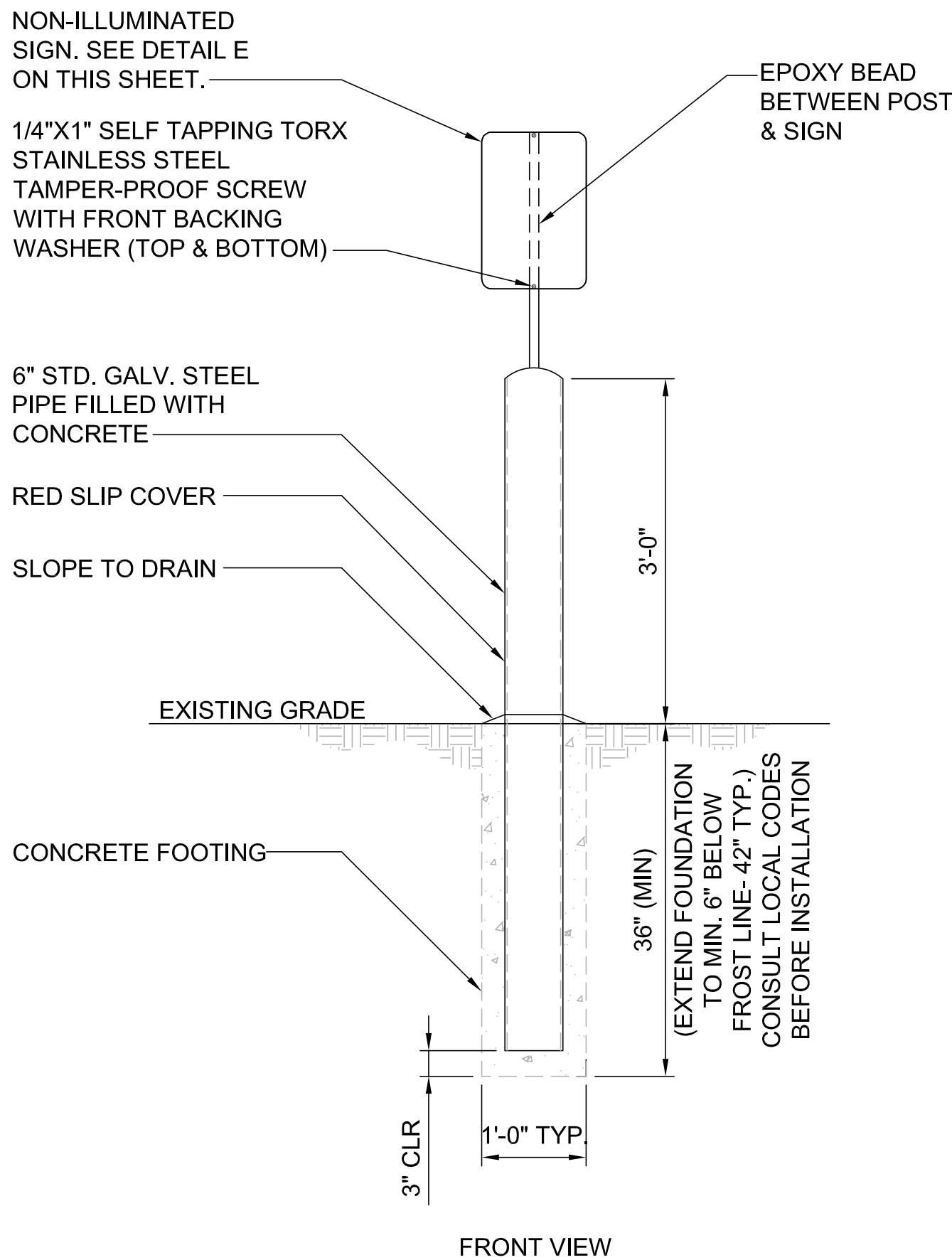
NO SCALE

A

TYPICAL PEDESTRIAN LIGHT FIXTURE MANUFACTURER DETAIL - FOR REFERENCE ONLY

NO SCALE

B



BOLLARD WITH SIGN INSTALLATION DETAIL

NO SCALE

C

TESLA DEDICATED NON-ILLUMINATED PARKING SIGN DETAIL

NO SCALE

D

NOTES

- SIGN AND TAMPER PROOF HARDWARE SHALL BE PROVIDED BY TESLA.
- POST SHALL BE PROVIDED BY CONTRACTOR.
- IF PAINT FINISH IS DAMAGED DURING INSTALLATION, CONTRACTOR SHALL REPAINT AS REQUIRED.
- NON-ILLUMINATED POLE MOUNT PARKING SIGN FACES AND RETURNS TO BE 0.090" ALUMINUM PANELS WITH #680-82 RED REFLECTIVE VINYL APPLIED (VERIFY REFLECTIVITY WITH OWNER).
- LOGO TO BE #280-10 REFLECTIVE WHITE VINYL (VERIFY REFLECTIVITY WITH OWNER).
- SEE TYPICAL TESLA PARKING SIGNAGE DETAIL FOR SIGNAGE VARIATION (IF APPLICABLE).
- SEE TYPICAL TESLA PARKING SIGNAGE DETAIL FOR SIGNAGE VARIATION (IF APPLICABLE).
- SIGN POST SHALL BE POWDER COATED, COLOR - MEDIUM/DARK GREY
- SIGN POST SHALL BE PLUGGED/CAPPED TO PREVENT WATER INTRUSION FROM TOP.
- SIGN POST SHALL BE MOUNTED TO LIGHT POLE WHERE APPLICABLE. SEE PLAN.

SITE NAME: YPSILANTI, MI
(TRT # 16411)
3825 CARPENTER RD
YPSILANTI, MI 48197

SHEET TITLE

INSTALLATION DETAILS

SHEET NUMBER

D-2

CONSISTENT WITH APPLICABLE LICENSING LAWS THIS SEAL CERTIFIES ONLY THAT THE ARCHITECTURAL DESIGN WORK WAS PREPARED EITHER PERSONALLY BY ME OR UNDER MY IMMEDIATE AND DIRECT SUPERVISION AND CONTROL. THE SEAL IS NOT INTENDED TO AND DOES NOT IN FACT ATTEST TO ANY ENGINEERING WORK THAT WOULD FALL OUTSIDE THE SCOPE OF WHAT THE APPLICABLE LICENSING LAWS WOULD PERMIT AS THE PRACTICE OF ARCHITECTURE.

The diagram shows a composite figure with the following dimensions and area calculations:

- Top Rectangle:** Dimensions are 5" (width) and 4" (height). Area is $5 \times 4 = 20$ sq. in.
- Bottom Rectangle:** Dimensions are 10" (width) and 14" (height). Area is $10 \times 14 = 140$ sq. in.
- Left Triangle:** A right triangle with a base of 5" and a height of 4". Area is $\frac{1}{2} \times 5 \times 4 = 10$ sq. in.
- Right Triangle:** A right triangle with a base of 5" and a height of 4". Area is $\frac{1}{2} \times 5 \times 4 = 10$ sq. in.
- Central Square:** Dimensions are 5" (width) and 5" (height). Area is $5 \times 5 = 25$ sq. in.
- Shaded Regions:**
 - A wavy-bottomed region on the left, shaded with a brick pattern.
 - A triangular region on the right, shaded with a brick pattern.
- Annotations:**
 - A line points to the right triangle with the text: "1/2" AT TURF, 2" AT PLANTER".
 - The central square contains small triangles pointing outwards.



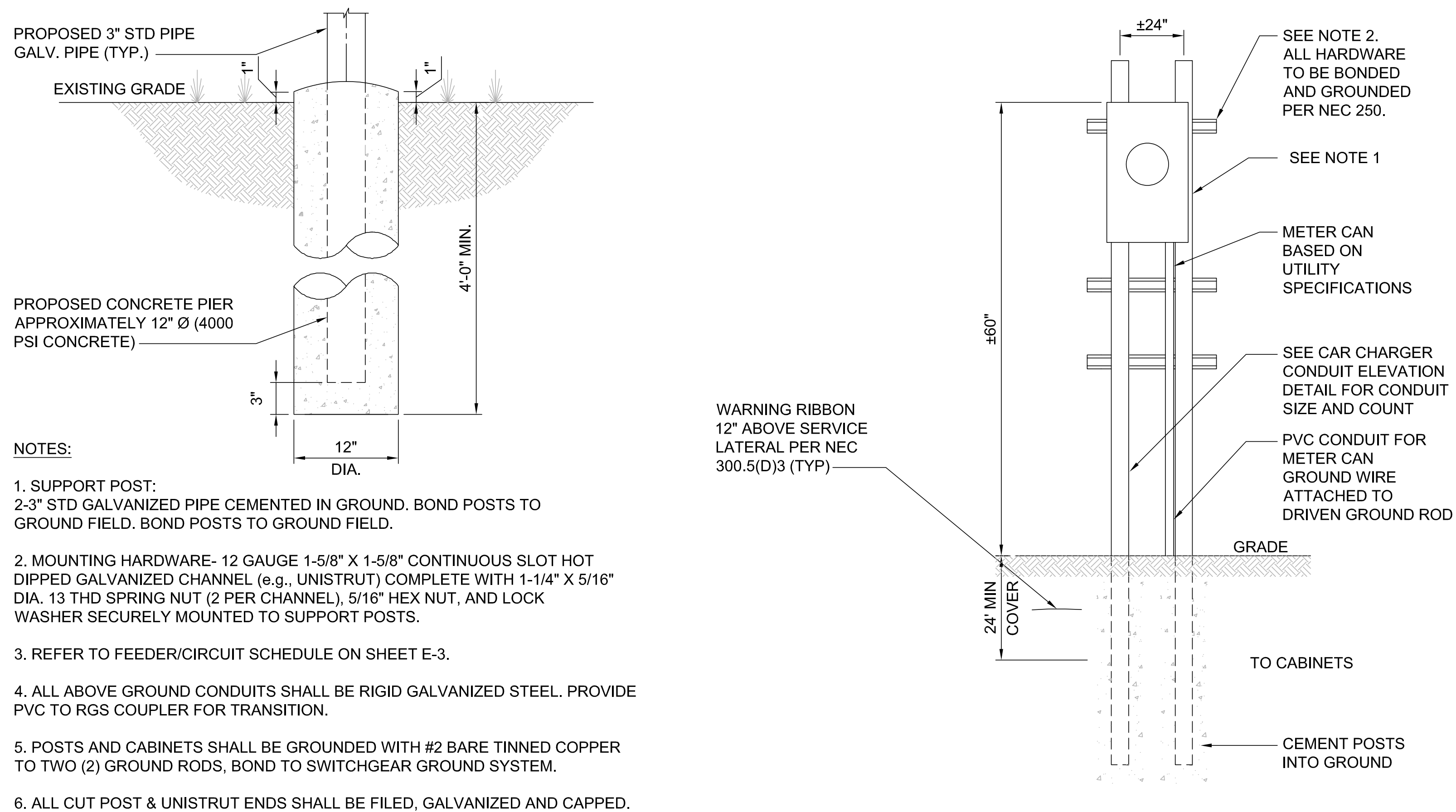
1. ANY EXCAVATION LEFT OPEN SHOULD BE SECURELY FENCED OFF.
2. ANY PAVEMENT DAMAGE DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR TO PRECONSTRUCTION CONDITIONS OR BETTER.
3. CONTRACTOR SHALL INSTALL CONDUITS BELOW LOCAL FROST LINE. SHOULD FIELD CONDITIONS VARY, CONTRACTOR SHALL COORDINATE WITH CONTACT ENGINEER LISTED ON SHEET T-1.
4. VERIFY WIDTH OF TRENCH REQUIRED. REFER TO SITE ELECTRICAL DRAWING ON SHEET E-2 FOR ROUTING.
5. VERIFY ALL REQUIREMENTS WITH POWER COMPANY

NO SCALE

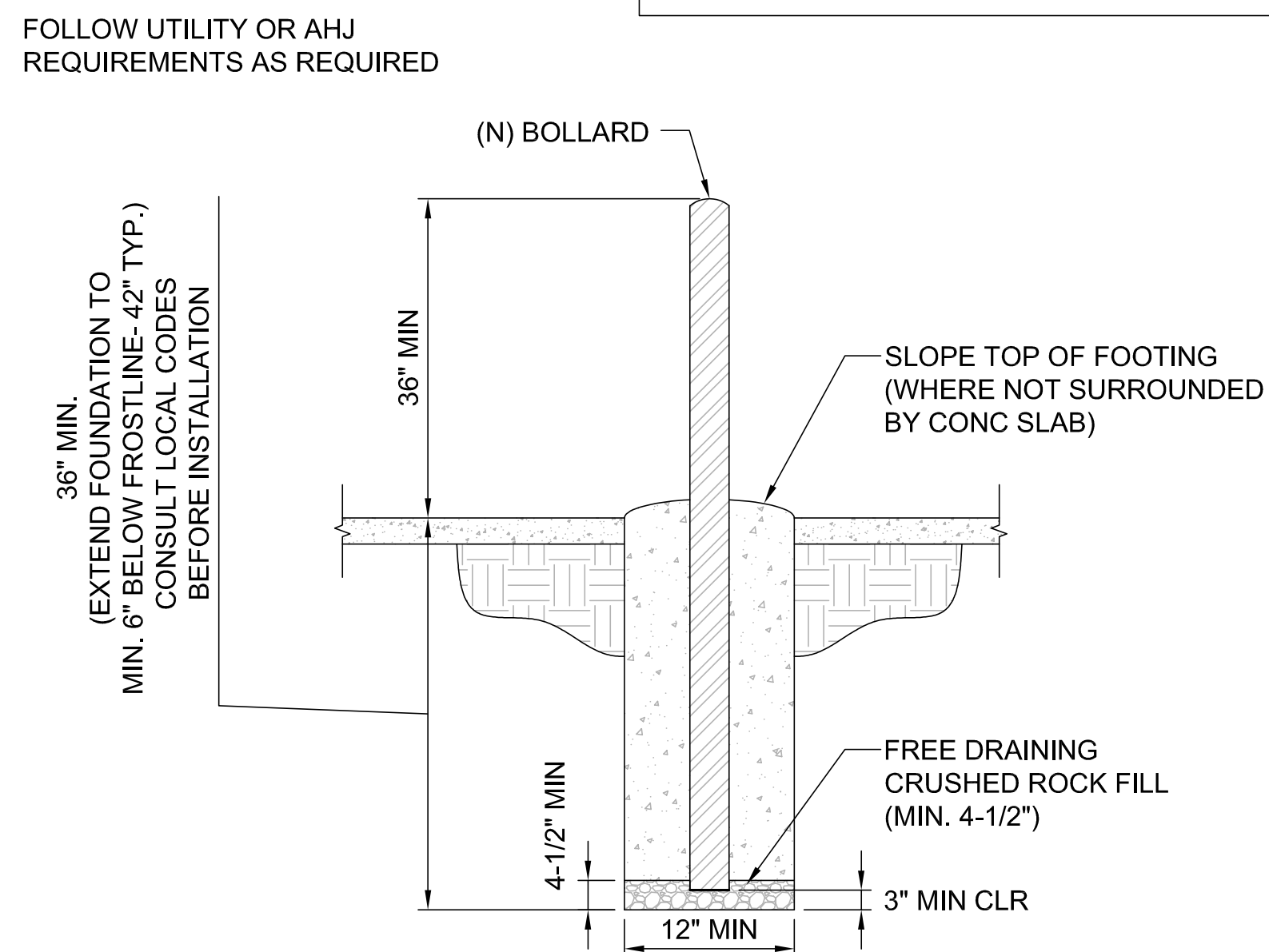
A

NO SCALE

B



- NOTES**
1. 4" DIA MIN PAINTED STEEL PIPE
 2. FILL PIPE WITH CONC
 3. SPACED NOT MORE THAN 48" BETWEEN POSTS
 5. 12" MIN DIA CONCRETE FOOTING
 6. SET POST NOT LESS THAN 42" ABOVE GRADE
 7. LOCATED NOT LESS THAN 36" FROM THE PROTECTED OBJECT
 8. EXTEND FOUNDATION TO MIN. 6" BELOW FROST LINE- 42" TYP. CONSULT LOCAL CODES BEFORE CONSTRUCTION)



NO SCALE

C

NO SCALE

D



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PHONE: 248-705-9212



B	11/29/2021	CD100
A	09/22/2021	CD90
REV	DATE	DESCRIPTION



CONSISTENT WITH APPLICABLE LICENSING LAWS THIS SEAL CERTIFIES ONLY THAT THE ARCHITECTURAL DESIGN WORK WAS PREPARED EITHER PERSONALLY BY ME OR UNDER MY IMMEDIATE AND DIRECT SUPERVISION AND CONTROL. THE SEAL IS NOT INTENDED TO AND DOES NOT IN FACT ATTEST TO ANY ENGINEERING WORK THAT WOULD FALL OUTSIDE THE SCOPE OF WHAT THE APPLICABLE LICENSING LAWS WOULD PERMIT AS THE PRACTICE OF ARCHITECTURE.

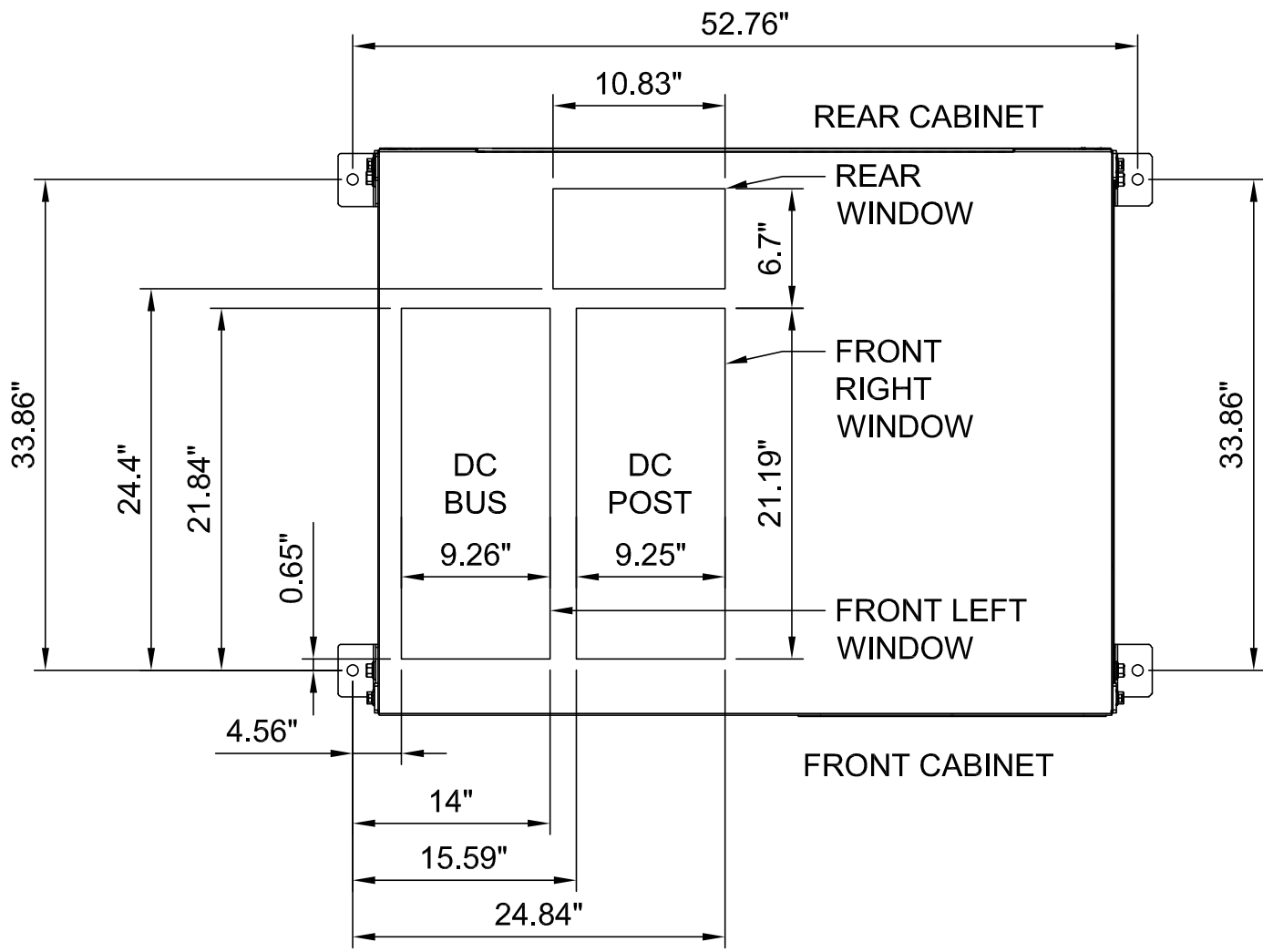
SITE NAME: YPSILANTI, MI
(TRT # 16411)
3825 CARPENTER RD
YPSILANTI, MI 48197

SHEET TITLE

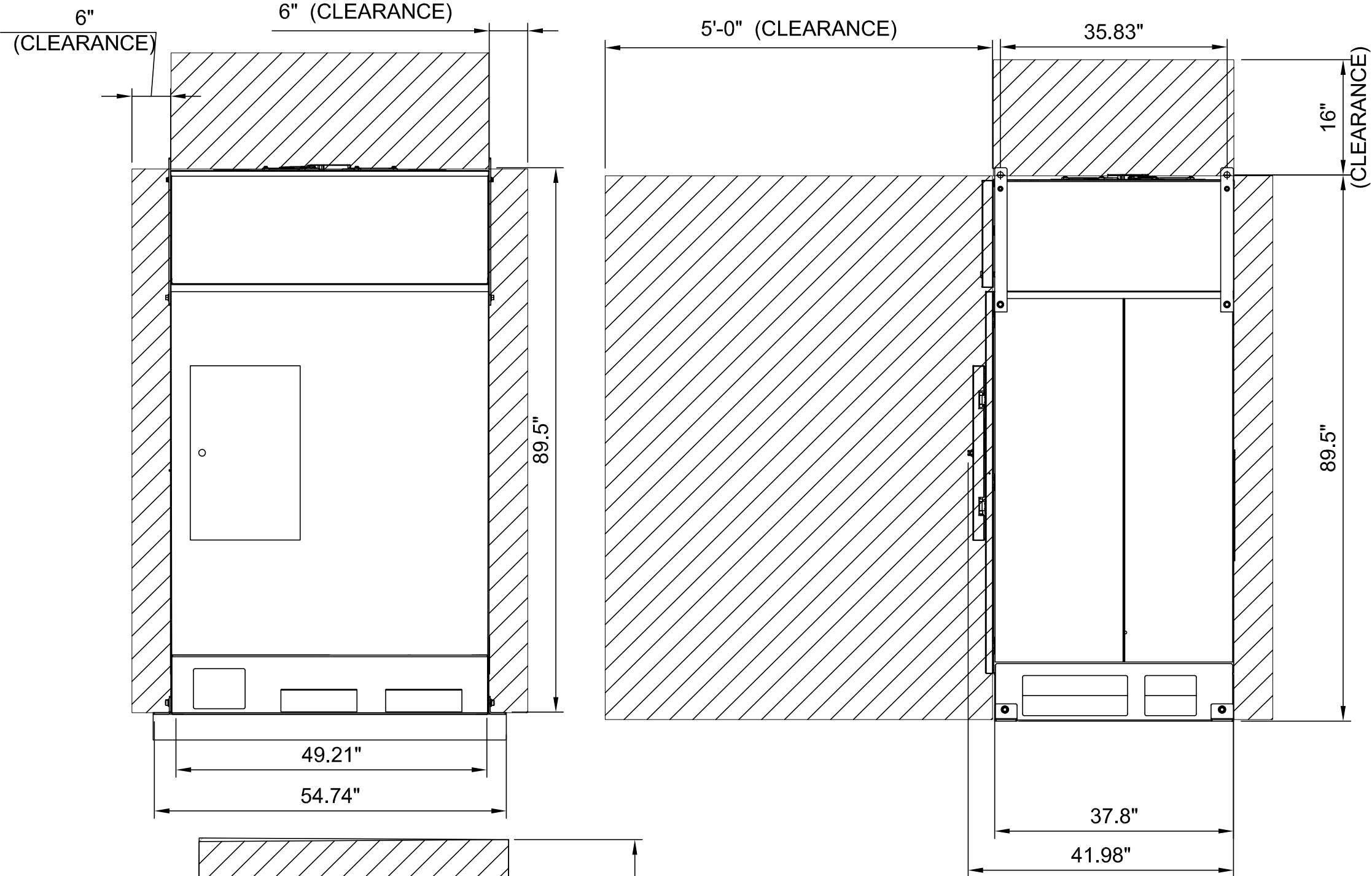
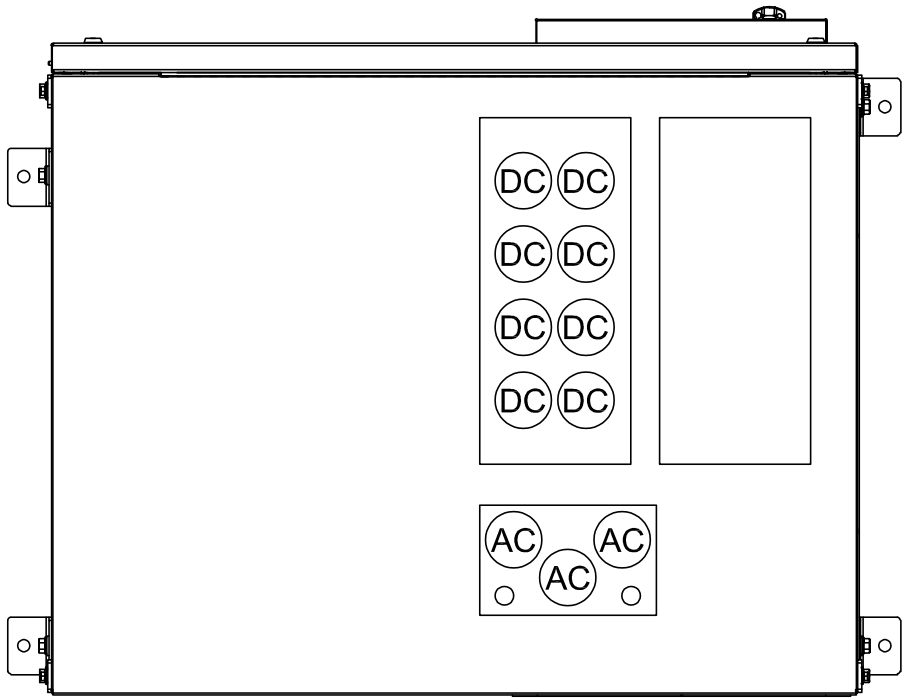
INSTALLATION DETAILS

SHEET NUMBER

D-3



CONDUIT AND CONDUCTOR POSITIONING	
REAR WINDOW	AC CONDUITS
FRONT LEFT WINDOW	DC BUS CONDUITS
FRONT RIGHT WINDOW	DC POST CONDUITS ETHERNET CABLE FOR TESLA SITE CONTROLLER 24V DC OPTIONAL BACKUP POWER FOR TESLA SITE CONTROLLER



TESLA CHARGING CABINET

ENCLOSURE: INGRESS PROTECTION IP66
WEIGHT: 1500 KG, 3307 LBS.
COMPLIANCE: UL 2202, CSA 22.2 NO 107.1-16,
UL1998 PENDING

NOTES:

- CABINET SHOULD BE LIFTED USING ROOF MOUNTED EYE HOOKS. A FORKLIFT OR PALLET JACK CAN ALSO BE USED TO MOVE CABINET IF DONE PROPERLY.
- SEE GN-3 FOR CHARGING CABINET NOTE.

TYPICAL TESLA SUPERCHARGER V3 CABINET
MANUFACTURER DETAILS - FOR REFERENCE ONLY

NO SCALE

B

CONDUIT POSITIONING AND ANCHORING LOCATIONS

NO SCALE

A

NOT USED

NO SCALE

C

NOT USED

NO SCALE

D



3500 DEER CREEK RD
PALO ALTO, CA 94304
(650) 681-5000



49030 Pontiac Trail, Ste 400
Wixom, Michigan 48393
PHONE: 248-705-9212

DRAWN BY:	RC
CHECKED BY:	PL

REV	DATE	DESCRIPTION
B	11/29/2021	CD100
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SHEET TITLE
INSTALLATION DETAILS

SHEET NUMBER
D-4