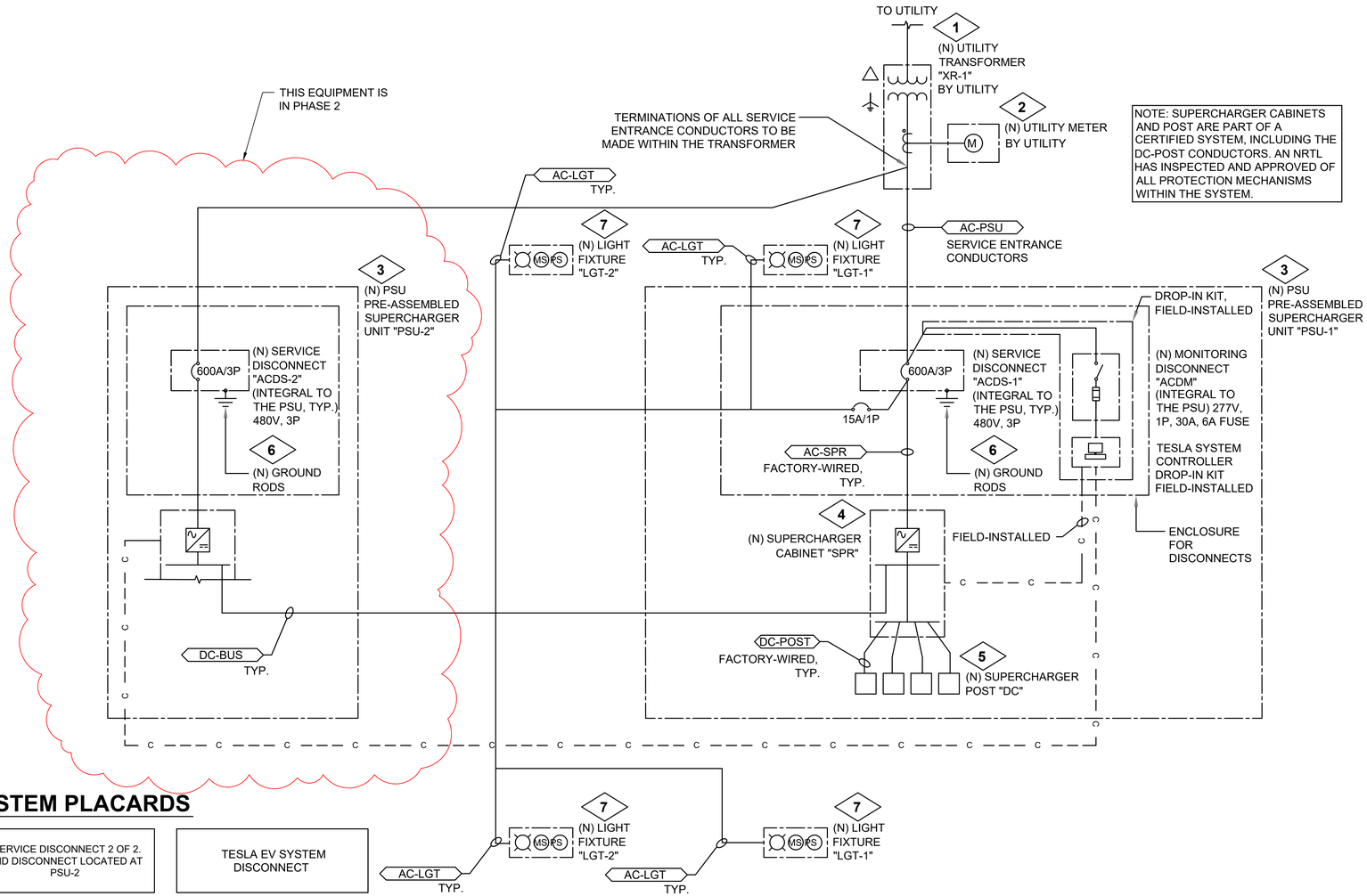

SYSTEM PLACARDS

SERVICE DISCONNECT 1 OF 2. 1ST DISCONNECT LOCATED AT PSU-1	SERVICE DISCONNECT 2 OF 2. 2ND DISCONNECT LOCATED AT PSU-2	TESLA EV SYSTEM DISCONNECT
ATTACH AT PSU #1 SERVICE DISCONNECT	ATTACH AT PSU #2 SERVICE DISCONNECT	ATTACH AT ALL PSU DISCONNECTS

FIRST RESPONDERS: CONTACT (725) 223-2450 FOR EMERGENCY USE ONLY	WARNING TESLA EV SYSTEM CONTROLLER (TSC) IS STILL LIVE WHEN EV SYSTEM DISCONNECT IS IN THE "OFF" POSITION. TSC DISCONNECT LOCATED BEHIND PANEL
ATTACH ON EXTERIOR OF EACH EXTERIOR MAIN SWITCHBOARD OR EVLITE DISCONNECT	ATTACH ON EXTERIOR OF TESLA SYSTEM CONTROLLER PANEL AT PSU SERVICE DISCONNECT

ATTACH AT ALL PSU DISCONNECTS

PLACARD NOTES:

PLACARDS TO BE MADE OF RED PHENOLIC PLASTIC W/ 1" WHITE LETTERING. ATTACH PLACARDS WITH RIVETS OR SELF-TAPPING SCREWS

ADDITIONAL PLACARDS REQUIRED FOR ARC FLASH LABELS

AC CIRCUIT SCHEDULE

CIRCUIT #	CONDUCTOR METAL UON	# OF CONDUITS	# PHASE CONDUCTORS PER CONDUIT	PHASE CONDUCTOR SIZE	NEUTRAL CONDUCTOR SIZE	EGC	SIGNAL WIRE	MAX CIRCUIT LENGTH	WIRE TYPE	CONDUIT TYPES	MIN CONDUIT SIZE (IN)
AC-PSU	AL	2	3	500 KCMIL	500 KCMIL	-	-	300'	XHHW-2	PVC, RMC, EMT	4
AC-SPR (FACTORY WIRED)	AL	2	3	500 KCMIL	500 KCMIL	1 AWG (CU)	-	600'	XHHW-2	PVC, RMC, EMT	4
AC-LGT	CU	1	1	12 AWG	12 AWG	12 AWG	-	150'	THWN-2	PVC, RMC, EMT	1

DC CIRCUIT SCHEDULE

CIRCUIT #	CONDUCTOR METAL UON	# OF CONDUITS	# POWER CONDUCTORS PER CONDUIT	PHASE CONDUCTOR SIZE	EGC	SIGNAL WIRE	DC MID	MAX CIRCUIT LENGTH	WIRE TYPE	CONDUIT TYPES	MIN CONDUIT SIZE (IN)
DC-POST (FACTORY WIRED)	AL	1	4	600 KCMIL	2/0 AWG (CU)	TESLA PROVIDED	-	330'	XHHW-2 (1000V)	PVC, RMC, EMT	4
DC-BUS	AL	1	4	600 KCMIL	1/0 AWG (CU)	-	3/0 AWG	900'	XHHW-2 (1000V)	PVC, RMC, EMT	3.5

NOTE: SUPERCHARGER CABINETS AND POST ARE PART OF A CERTIFIED SYSTEM, INCLUDING THE DC-POST CONDUCTORS. AN NRTL HAS INSPECTED AND APPROVED OF ALL PROTECTION MECHANISMS WITHIN THE SYSTEM.

EQUIPMENT NOTES

1	(N) UTILITY TRANSFORMER "XR-1" • SIZE & PRIMARY VOLTAGE PER UTILITY • SECONDARY 480Y/277V
2	(N) UTILITY METER • METER # TBD
3	(N) PSU 4.0 PRE-ASSEMBLED SUPERCHARGER UNIT "PSU" • (1) SUPERCHARGER CABINET "SPR" PER UNIT • (4) SUPERCHARGER POSTS "DC" PER UNIT • INTEGRAL 600A CIRCUIT BREAKER SERVICE ENTRANCE RATED • FACTORY PRE-WIRED DC-POST CIRCUIT • FACTORY PRE-WIRED AC-SPR CIRCUIT • (1) PSU's TOTAL
4	(N) SUPERCHARGER CABINET "SPR" • (1) SUPERCHARGER CABINETS • 480VAC, 3PH, 4W • 465A MAX AC INPUT • DC OUTPUT TO 4 CHARGE POSTS MAX EACH SUPERCHARGER CABINET • 85 kA SCCR
5	(N) SUPERCHARGER POST "DC" • 250KW • (4) SUPERCHARGER POSTS • 0 VDC - 500 VDC
6	(N) GROUND RODS • COPPER • SEE E1.03 FOR MORE DETAILS
7	(N) LIGHT FIXTURE "LGT-#" • WISCONSIN LIGHTING # NF-SLS-100-40-HV-3W-RAL-MPS • 96W, 277-480VAC DRIVER • INTEGRATED PHOTOCELL AND MOTION SENSOR • POLE MOUNTED • 4000K COLOR TEMPERATURE • -40°C MIN REQUIRED AMBIENT TEMPERATURE • (4) TOTAL FIXTURES

LEGEND

- BUSSING
- CONDUCTORS
- SHIELDED CAT6 CABLE
- CIRCUIT BREAKER
- SWITCH
- FUSE
- CURRENT TRANSFORMER
- POWER TRANSFORMER
- DELTA TRANSFORMER WINDING
- DELTA HIGH-LEG TRANSFORMER WINDING
- WYE TRANSFORMER WINDING
- GROUNDED WYE TRANSFORMER WINDING
- EQPT. ENCLOSURES
- METER
- SHUNT TRIP
- AC-DC OR DC-AC CONVERTER
- LIGHT WITH MOTION AND PHOTO SENSOR
- WIFI CONNECTION

Alliance DESIGN GROUP, LLC
1439 Centre Ct., Ste 401
Alexandria, LA 71301
Ph: 318.445.3151
Fx: 318.445.3988
Em: adg@adgllc.net

Site Development for Broadway EV Charging LLC

2501 Broadway Avenue - Alexandria, Louisiana 71302

PROJECT NO: 26011
DRAWN: DJH
CHECKED: WAT
DATE: APRIL 2026
LAST REV:

E1.02

© 2026, Alliance Design Group, LLC all rights reserved