



RIVIAN

APPLICANT SITE NAME:
OKLAHOMA CITY

SSC SITE NUMBER:
OK-00002

PROJECT:
RIVIAN ADVENTURE
NETWORK

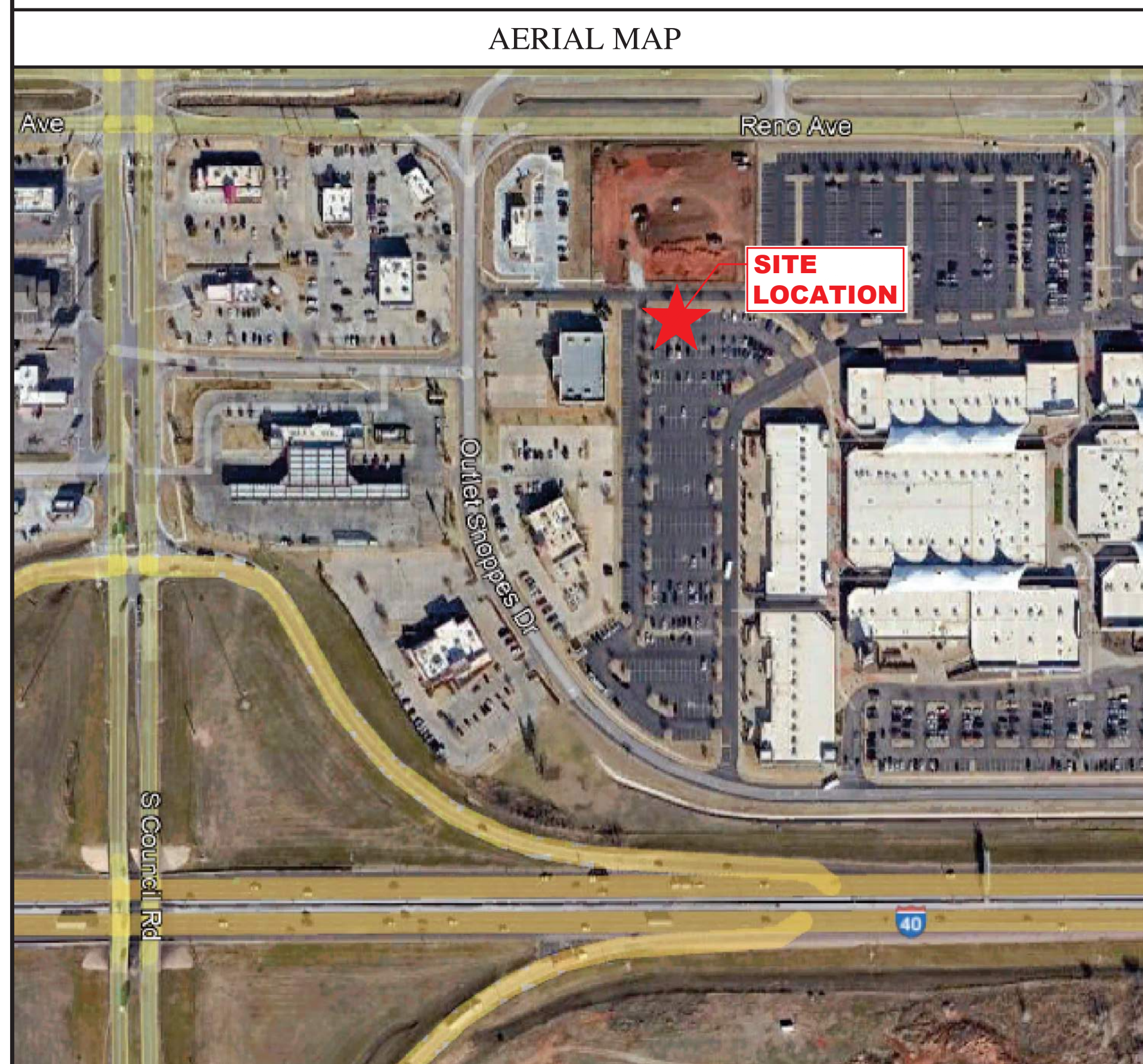
DRAWING DESCRIPTION:
FINAL CD100

STAMP:

ENGINEERING LICENSE:
STATE OF OKLAHOMA

PE CERTIFICATE OF AUTHORIZATION # 3268PE

ENGINEER:	PE#:	DISCIPLINE:	
REJ ROBERT E. JENSEN	30773	CIVIL	C
SDK SHELTON D. KEISLING	17982	ELECTRICAL	E
TMS TERRANCE M. SUPER	18027	ELECTRICAL	E

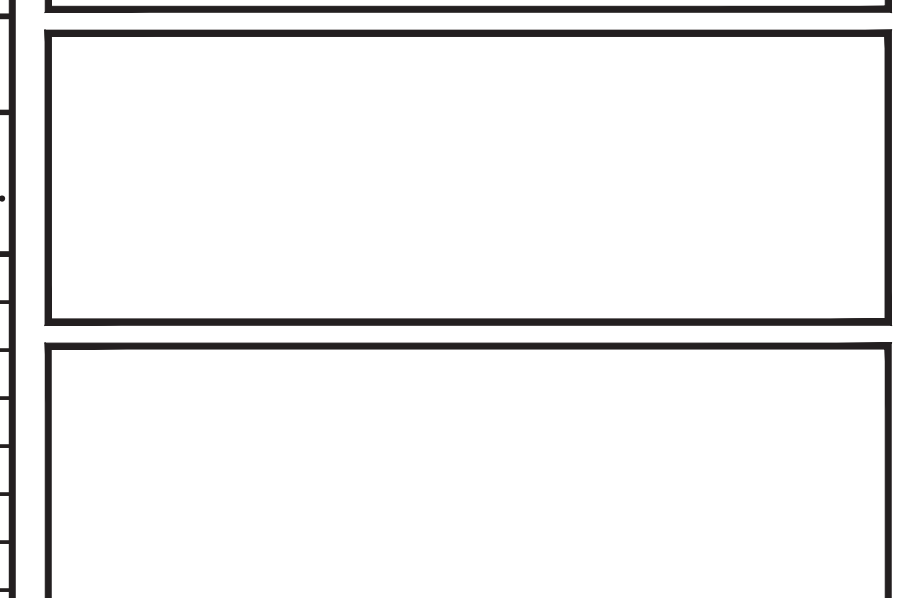


SITE INFORMATION

SITE LOCATION:	LATITUDE: 35.46321389° N (NAD 83) LONGITUDE: 97.65104444° W (NAD 83) GROUND ELEV: 1222.0' AMSL	APPLICANT: RIVIAN
SITE ADDRESS:	7624 W RENO AVE, SUITE EV OKLAHOMA CITY, OK 73127	RIVIAN REAL ESTATE MANAGER: CONTACT: TBD EMAIL: TBD PHONE: TBD
COUNTY:	OKLAHOMA COUNTY	RIVIAN DEPLOYMENT MANAGER: CONTACT: TBD EMAIL: TBD PHONE: TBD
JURISDICTION:	CITY OF OKC	PROPERTY OWNER: TBD CONTACT: TBD EMAIL: TBD PHONE: TBD
ASSIGNED PARCEL #:	211101110	UTILITY COMPANY: OG&E CONTACT: TBD EMAIL: TBD PHONE: TBD

DRAWING INDEX

SHEET NO.	SHEET DESCRIPTION	DISC.
T-1.0	TITLE SHEET	C/E
	SURVEY (BY OTHERS)	
C-1.0	OVERALL SITE PLAN	C
C-1.1	EXISTING SITE PLAN	C
C-1.2	ENLARGED SITE PLAN	C
C-1.3	SITE ELEVATIONS	C
C-2.0	EQUIPMENT PLANS (1 OF 2)	C
C-2.1	EQUIPMENT PLANS (2 OF 2)	C
C-3.0	EQUIPMENT DETAILS (1 OF 5)	C
C-3.1	EQUIPMENT DETAILS (2 OF 5)	C
C-3.2	EQUIPMENT DETAILS (3 OF 5)	C
C-3.3	EQUIPMENT DETAILS (4 OF 5)	C
C-3.4	EQUIPMENT DETAILS (5 OF 5)	C
E-1.0	UTILITY PLAN	E
E-1.1	RIVIAN UTILITY PLAN	E
E-2.0	RIVIAN RISER DIAGRAM	E
E-2.1	ELECTRICAL ONE-LINE DIAGRAM	E
E-2.2	PANEL SCHEDULE	E
E-3.0	ELECTRICAL DETAILS (1 OF 2)	E
E-3.1	ELECTRICAL DETAILS (2 OF 2)	E
G-1.0	GROUNDING RISER DIAGRAM	E
G-2.0	GROUNDING DETAILS	E
SP-1.0	SPECIFICATIONS (1 OF 5)	C
SP-1.1	SPECIFICATIONS (2 OF 5)	C
SP-1.2	SPECIFICATIONS (3 OF 5)	C
SP-2.0	SPECIFICATIONS (4 OF 5)	E
SP-2.1	SPECIFICATIONS (5 OF 5)	E
	RIVIAN HARDWARE DATASHEET (BY OTHERS)	
	SWITCH BOARD SHOP DRAWINGS (BY OTHERS) (TBD)	



PLANS PREPARED FOR:

PLANS PREPARED BY:

DRAWING NOTICE:
THIS DRAWING HAS NOT BEEN PUBLISHED AND IS THE SOLE PROPERTY OF SSC, INC. AND IS LENT TO THE BORROWER FOR THEIR CONFIDENTIAL USE ONLY. AND IN CONSIDERATION OF THE LOAN OF THIS DRAWING, THE BORROWER PROMISES AND AGREES TO RETURN IT UPON REQUEST AND AGREES THAT IT WILL NOT BE REPRODUCED, COPIED, LENT OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY, NOR USED FOR ANY PURPOSE OTHER THAN FOR WHICH IT IS FURNISHED.

SUBMITTALS:

DESCRIPTION	DATE	BY	REV
ISSUED FOR REVIEW	09/26/24	CJO	A
ISSUED FOR REVIEW	10/10/24	IBA	B
ISSUED FOR PERMITTING	10/23/24	IBA	0

SITE LOCATION QR CODE

CONSULTING TEAM

ENGINEERING:
SSC, INC.
7171 WEST 95TH STREET, SUITE 600
OVERLAND PARK, KANSAS 66212
PHONE: (913) 438-7700
FAX: (913) 438-7777

CLIENT MANAGER:
D.C. PELLAND

A&E PROJECT MANAGER:
A.M. WHYTE

LEAD ENGINEER:
R.E. JENSEN

LEAD ELECTRICAL:
S.D. KEISLING

JURISDICTION COMPLIANCE

ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

- 2018 INTERNATIONAL BUILDING CODE
- 2018 INTERNATIONAL MECHANICAL CODE
- ANSI/TIA-222 STRUCTURAL STANDARD
- NFPA 780 - LIGHTNING PROTECTION CODE
- 2017 NATIONAL ELECTRICAL CODE

THE UTILITIES AS SHOWN ON THIS SET OF DRAWINGS WERE DEVELOPED FROM THE INFORMATION AVAILABLE. THE INFORMATION PROVIDED IS NOT IMPLIED NOR INTENDED TO BE THE COMPLETE INVENTORY OF UTILITIES IN THIS AREA. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UTILITIES (WHETHER SHOWN OR NOT) AND PROTECT SAID UTILITIES FROM ANY DAMAGE CAUSED BY CONTRACTOR'S ACTIVITIES.

PROJECT DESCRIPTION

INSTALL (8) RIVIAN DCFC DISPENSERS WITH SIGNAGE

RESERVE (8) FUTURE RIVIAN DCFC DISPENSERS WITH SIGNAGE

INSTALL (1) SWITCHBOARD WITH FOUNDATION

INSTALL (4) POWER CABINETS WITH FOUNDATION

RESERVE (4) FUTURE POWER CABINETS

INSTALL (1) TRANSFORMER FOUNDATION PAD
(TRANSFORMER FURNISHED BY UTILITY COMPANY)

APPLICANT SITE NAME:
OKLAHOMA CITY

SSC SITE NUMBER:
OK-00002

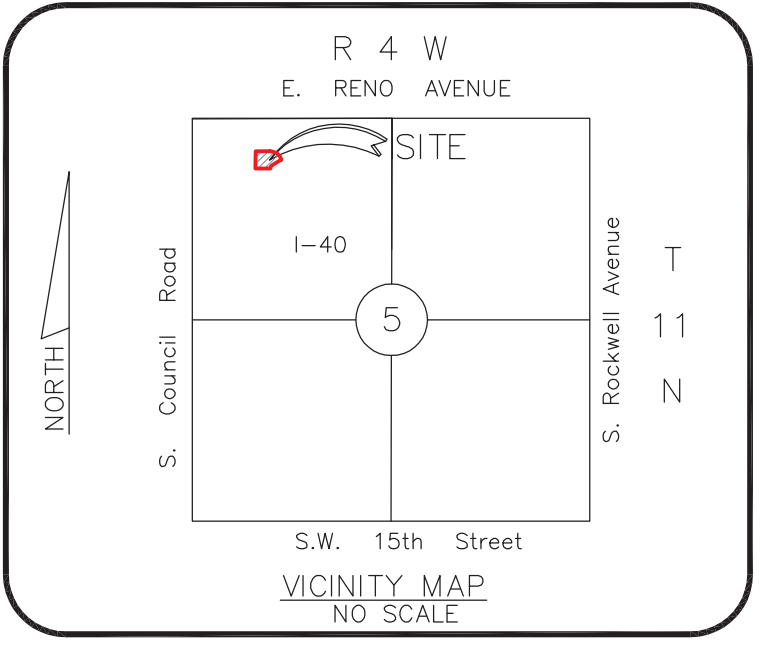
SITE ADDRESS:
7624 W RENO AVE, STE. EV
OKLAHOMA CITY, OK 73127

SHEET DESCRIPTION: TITLE SHEET

SHEET #: T-1.0



VICINITY MAP



SURVEYOR CERTIFICATION

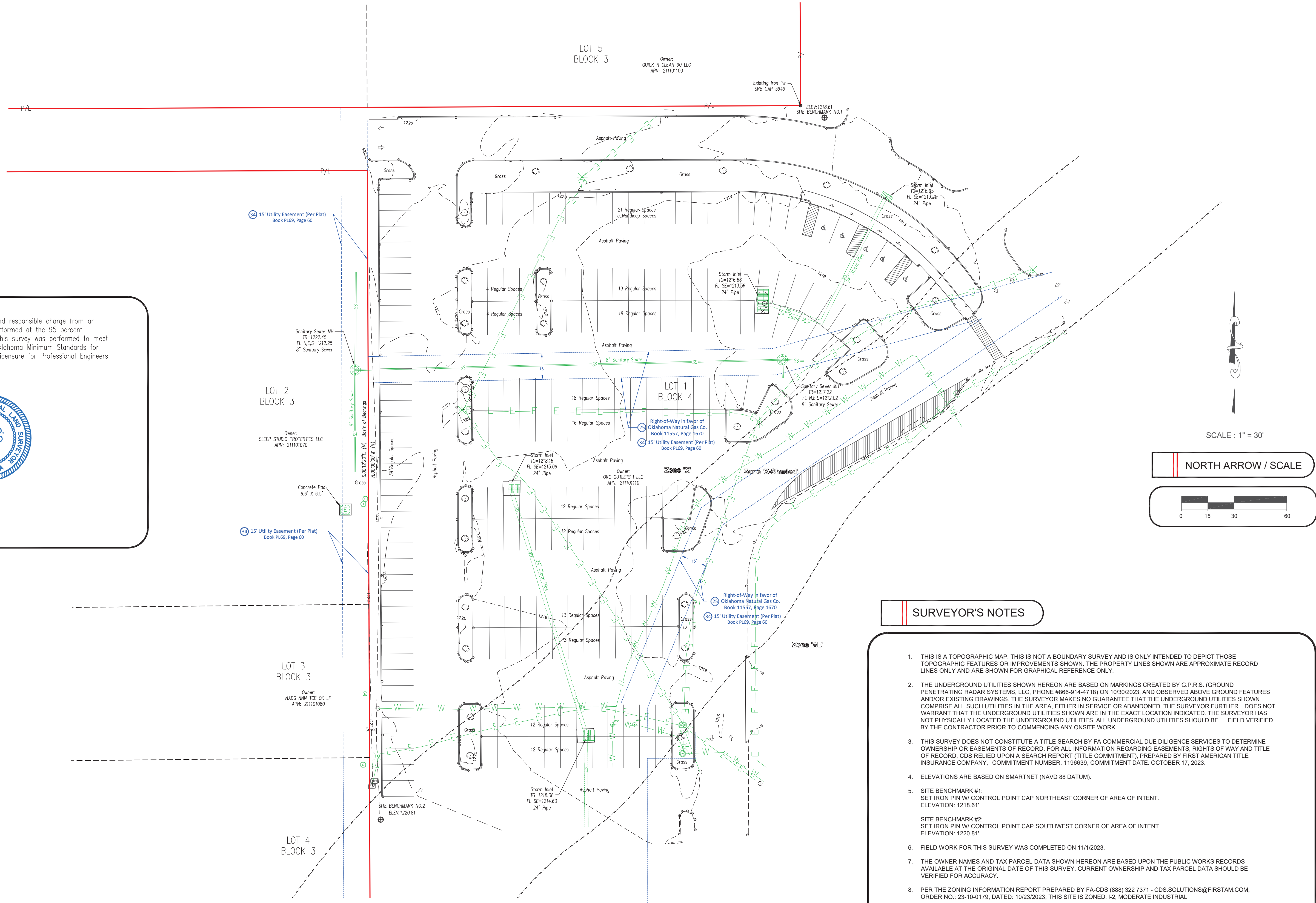
I, Todd D. D'Amico, certify that this project was completed under my direct and responsible charge from an actual survey made under my supervision and that this ground survey was performed at the 95 percent confidence level to meet Federal Geographic Data Committee Standards...

Date Signed: 11-15-23
Todd D. D'Amico
Licensed Professional Land Surveyor No. 1741
FA Commercial Due Diligence Services Co.
Certificate of Authorization Number 7392



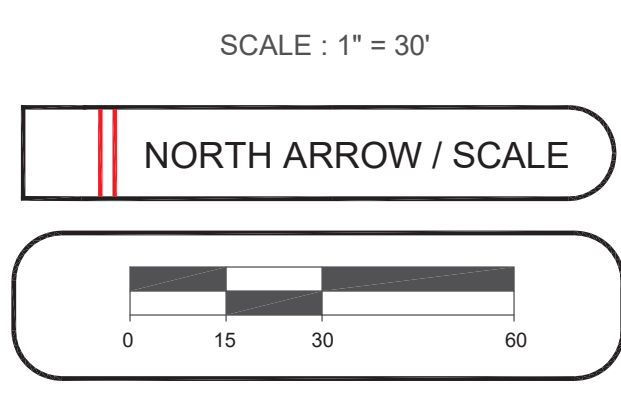
FLOOD INFORMATION

By graphic plotting only, this property is located in Zone "X", Zone "X-Shaded" and Zone "AE" of the Flood Insurance Rate Map, Community Panel No. 40109C0260H, which bears an effective date of December 18, 2009 and is NOT in a special flood hazard area...



9 LEGEND

- Found Survey Monument
Traffic Direction Arrow
Electric Pedestal
Storm Drain Inlet
Handicap Parking
Fire Hydrant
Water Valve
Telephone Pedestal
Sanitary Sewer Manhole
Area Light
Cable Pedestal
Electric Meter
Water Meter
Electric Transformer
Electric Wiring
Underground Electric Lines
Underground Sanitary Sewer Lines
Underground Water Lines
Underground Storm Sewer
Property Boundary Line
Right of Way
Site Benchmark
Set w/ "Control Point" Cap
Easement Line
Schedule B Number Identifier
Top of Gate
Top of RIM



SURVEYOR'S NOTES

- 1. THIS IS A TOPOGRAPHIC MAP. THIS IS NOT A BOUNDARY SURVEY AND IS ONLY INTENDED TO DEPICT THOSE TOPOGRAPHIC FEATURES OR IMPROVEMENTS SHOWN. THE PROPERTY LINES SHOWN ARE APPROXIMATE RECORD LINES ONLY AND ARE SHOWN FOR GRAPHICAL REFERENCE ONLY.
2. THE UNDERGROUND UTILITIES SHOWN HEREON ARE BASED ON MARKINGS CREATED BY G.P.R.S. (GROUND PENETRATING RADAR SYSTEMS, LLC, PHONE #866-914-4718) ON 10/30/2023, AND OBSERVED ABOVE GROUND FEATURES AND/OR EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. ALL UNDERGROUND UTILITIES SHOULD BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING ANY ONSITE WORK.
3. THIS SURVEY DOES NOT CONSTITUTE A TITLE SEARCH BY FA COMMERCIAL DUE DILIGENCE SERVICES TO DETERMINE OWNERSHIP OR EASEMENTS OF RECORD. FOR ALL INFORMATION REGARDING EASEMENTS, RIGHTS OF WAY AND TITLE OF RECORD, CDS RELIED UPON A SEARCH REPORT (TITLE COMMITMENT), PREPARED BY FIRST AMERICAN TITLE INSURANCE COMPANY, COMMITMENT NUMBER: 1196639, COMMITMENT DATE: OCTOBER 17, 2023.
4. ELEVATIONS ARE BASED ON SMARTNET (NAVD 88 DATUM).
5. SITE BENCHMARK #1: SET IRON PIN W/ CONTROL POINT CAP NORTHEAST CORNER OF AREA OF INTENT. ELEVATION: 1218.61'
SITE BENCHMARK #2: SET IRON PIN W/ CONTROL POINT CAP SOUTHWEST CORNER OF AREA OF INTENT. ELEVATION: 1220.81'
6. FIELD WORK FOR THIS SURVEY WAS COMPLETED ON 11/11/2023.
7. THE OWNER NAMES AND TAX PARCEL DATA SHOWN HEREON ARE BASED UPON THE PUBLIC WORKS RECORDS AVAILABLE AT THE ORIGINAL DATE OF THIS SURVEY. CURRENT OWNERSHIP AND TAX PARCEL DATA SHOULD BE VERIFIED FOR ACCURACY.
8. PER THE ZONING INFORMATION REPORT PREPARED BY FA-CDS (888) 322 7371 - CDS.SOLUTIONS@FIRSTAM.COM, ORDER NO.: 23-10-0179, DATED: 10/23/2023; THIS SITE IS ZONED: I-2, MODERATE INDUSTRIAL.
REQUIREMENTS
MINIMUM FRONT SETBACK: 25'
MINIMUM SIDE SETBACK: None
MINIMUM REAR SETBACK: None
MAXIMUM HEIGHT: No requirement
MINIMUM AREA: 24,000 square feet
MINIMUM LOT WIDTH: No requirement noted
MINIMUM LOT DEPTH: No requirement noted
MAX. FLOOR AREA RATIO: No requirement noted
MAXIMUM COVERAGE: No requirement noted
MINIMUM PARKING: No parking requirement
9. This plat or map and the survey on which it is based were made in accordance with the "Oklahoma Minimum Standards for the Practice of Land Surveying" as adopted by the Oklahoma State Board of Licensure for Professional Engineers and Land Surveyors.
10. The basis of bearing for said RECORD PLAT (Council Reno Commercial Park) has been established by the West Line said plat, being S.00°12'20"E.

Limited Topographic Survey

This Work Performed By: FA Commercial Due Diligence Services Co.
CDS COMMERCIAL DUE DILIGENCE SERVICES
3550 W. Robinson Street, Third Floor
Norman, Oklahoma 73072
Office: 405-253-2444
website: www.firstamcdfs.com
Toll Free: 888.322.7371

Table with columns for Drwn By, Surveyor Ref. No., Aprvd By, Field Date, Scale, Date, Revision.

Prepared For:

20 PROJECT ADDRESS

7628 W Reno Ave #A100
Oklahoma City, Oklahoma
Project Name:
RA W Reno Ave-Oklahoma City OK
CDS Project Number:
23-10-0179



TITLE DESCRIPTION

The Land referred to herein below is situated in the County of Oklahoma, State of Oklahoma, and is described as follows:

Lot 1 in Block 4, Common Area A and the private streets identified as S.W. 2nd Terrace and Savings Way, of Council Reno Commercial Park, an addition to the City of Oklahoma City, Oklahoma County, Oklahoma, according to the plat thereof recorded in Book 69 of Plats, page 60.

Less and except:

A tract of land being a part of Lot 1 in Block 4 of Council Reno Commercial Park, an addition to the City of Oklahoma City, Oklahoma County, Oklahoma, according to the plat thereof recorded in Book 69 of Plats, page 60, and being more particularly described as follows:

COMMENCING at the most westerly southwest corner of said Lot 1 in Block 4, said corner also being the most southerly corner of Lot 4 in Block 3 of the above referenced plat;

THENCE Southeasterly, along the southerly line of said Lot 1 in Block 4, said line being the northerly right-of-way for Outlet Shoppers Drive (a public street) and continuing along the northerly right-of-way line of Savings Way (a private street) the following three courses:

- 1. South 32°38'48" East a distance of 4.93 feet,
2. Southeasterly along a curve to the left having a radius of 470.00 feet (said curve subtended by a chord which bears South 61°31'24" East a distance of 453.95 feet) for an arc distance of 473.75 feet,
3. North 89°36'01" East a distance of 945.31 feet to the POINT OF BEGINNING;

THENCE North 00°00'00" East a distance of 313.87 feet;
THENCE North 90°00'00" East a distance of 181.85 feet;
THENCE South 00°00'00" West a distance of 303.82 feet to a point on the southerly line of said Lot 1 in Block 4, said line also being the northerly right-of-way line for Savings Way;

THENCE Westerly along the said southerly line of Lot 1 in Block 4, the following two courses:

- 1. Westerly on a non-tangent curve to the right having a radius of 220.00 feet (said curve subtended by a chord which bears south 81°28'38" West a distance of 62.17 feet) for an arc distance of 62.38 feet,
2. South 89°36'01" West a distance of 120.37 feet to the POINT OF BEGINNING.

And less and except:

A tract of land being a part of Lot 1 in Block 4 of Council Reno Commercial Park, an addition to the City of Oklahoma City, Oklahoma County, Oklahoma, according to the plat thereof recorded in Book 69 of Plats, page 60, and being more particularly described as follows:

COMMENCING at the most westerly southwest corner of said Lot 1 in Block 4, said corner also being the most southerly corner of Lot 4 in Block 3 of the above referenced plat;

THENCE Southeasterly, along the southerly line of said Lot 1 in Block 4, said line also being the northerly right-of-way for Outlet Shoppers Drive (a public street) and continuing along the northeasterly right-of-way line of savings Way (a private street) the following two courses:

- 1. South 32°38'48" East a distance of 4.93 feet,
2. Southeasterly along a curve to the left having a radius of 470.00 feet (said curve subtended by a chord which bears South 55°56'37" East a distance of 371.77 feet) for an arc distance of 382.21 feet to a point, said point the POINT OF BEGINNING;

THENCE North 00°20'00" East a distance of 282.03 feet;

THENCE North 90°00'00" East a distance of 173.49 feet;

THENCE South 00°00'00" West a distance of 289.72 feet to a point on the south line of said Lot 1 in Block 4, said line also being the north right-of-way line for Savings Way;

THENCE Westerly along the south line of said Lot 1 in Block 4, the following two courses:

- 1. South 89°36'01" West a distance of 80.82 feet to a point of curvature,
2. Westerly along a curve to the right having a radius of 470.00 feet (said curve subtended by a chord which bears North 84°49'12" West a distance of 91.40 feet) for an arc distance of 91.54 feet to the POINT OF BEGINNING.

THENCE North 00°20'00" East a distance of 282.03 feet;

THENCE North 90°00'00" East a distance of 173.49 feet;

THENCE South 00°00'00" West a distance of 289.72 feet to a point on the south line of said Lot 1 in Block 4, said line also being the north right-of-way line for Savings Way;

THENCE Westerly along the south line of said Lot 1 in Block 4, the following two courses:

- 1. South 89°36'01" West a distance of 80.82 feet to a point of curvature,
2. Westerly along a curve to the right having a radius of 470.00 feet (said curve subtended by a chord which bears North 84°49'12" West a distance of 91.40 feet) for an arc distance of 91.54 feet to the POINT OF BEGINNING.

The land shown in this survey is a portion of the description that is described in First American Title Insurance Company Commitment 1196639 with an effective date of October 17, 2023.

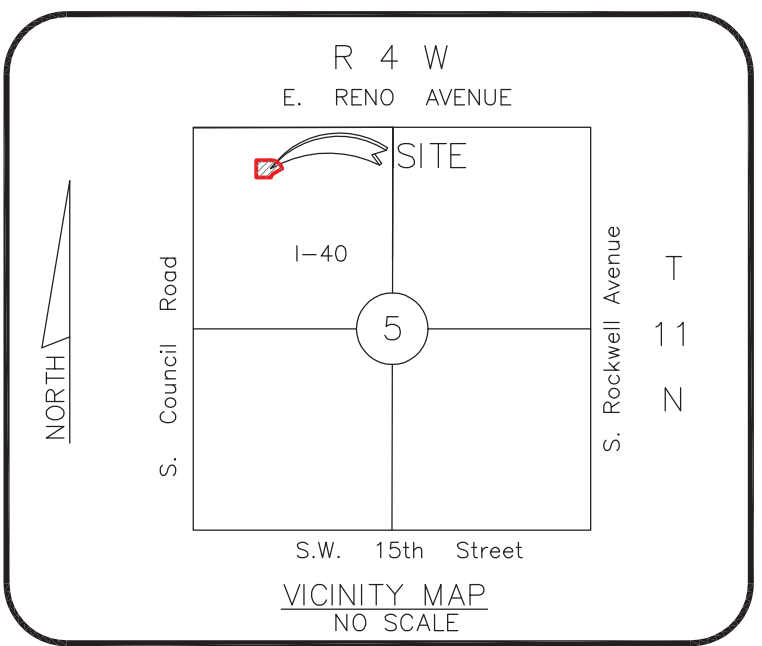
EASEMENTS

- 1. Easement in favor of Oklahoma Gas and Electric Company, recorded October 24, 1950 in Book 1409, Page 632. DOES NOT AFFECT SURVEYED AREA
2. Easement in favor of The City of Oklahoma City, recorded May 18, 1953 in Book 1693, Page 28. DOES NOT AFFECT SURVEYED AREA
3. Easement in favor of American-First Title & Trust Company, recorded June 24, 1960 in Book 2501, Page 673. as affected by Assignment of Channel Change Easement recorded in Book 2725, Page 95; Assignment of Permanent Easements recorded in Book 2779, Page 360. DOES NOT AFFECT SURVEYED AREA
4. Easement in favor of The City of Oklahoma City, recorded May 12, 1962 in Book 2725, Page 115. DOES NOT AFFECT SURVEYED AREA
5. Easement in favor of The City of Oklahoma City, recorded June 8, 1962 in Book 2759, Page 492.
6. Easements and rights of way as affected by Assignment of Permanent Easements in favor of the State of Oklahoma recorded in Book 2779, Page 364. DOES NOT AFFECT SURVEYED AREA
7. Easements and rights of way as affected by Assignment of Permanent Easements in favor of the State of Oklahoma recorded July 25, 1962 in Book 2779, Page 368. DOES NOT AFFECT SURVEYED AREA
8. Easement in favor of the City of Oklahoma City recorded in May 1963. Note: Recording information is not legible DOCUMENT NOT LEGIBLE
9. Easement or Right-of-Way as set forth in the Report of Commissioners entered in Oklahoma County District Court Case No. 161870 recorded April 30, 1964 in Book 3041, Page 124; as further evidenced in Journal Entry recorded in Book 1427, Page 23. DOES NOT AFFECT SURVEYED AREA
10. Easements and rights of way as set forth in that Permit recorded July 19, 1965 in Book 3227, Page 46. DOES AFFECT - BLANKET
11. Easement in favor of The City of Oklahoma City, recorded November 5, 1965 in Book 3227, Page 188. DOES NOT AFFECT SURVEYED AREA
12. Easement in favor of The City of Oklahoma City, recorded October 22, 1969 in Book 3911, Page 1227. DOES NOT AFFECT SURVEYED AREA
13. Right-of-Way in favor of Oklahoma Natural Gas Company, recorded October 19, 1981 in Book 4817, Page 301. DOES NOT AFFECT SURVEYED AREA
14. Easement in favor of Wendy's International, Inc., recorded December 4, 1985 in Book 5403, Page 1070; as affected by Termination of Easement recorded in Book 12079, Page 257; as purportedly released by Release of Easement recorded in Book 12575, Page 451. DOES NOT AFFECT SURVEYED AREA
15. Easement in favor of Tierra Vista, Inc., recorded June 2, 1988 in Book 5777, Page 319. as affected by Release of Non-Exclusive Easement recorded in Book 6037, Page 1374. DOES NOT AFFECT SURVEYED AREA
16. Right-of-Way in favor of Oklahoma Natural Gas Company, recorded June 24, 1989 in Book 5937, Page 72. and refilled in Book 5944, Page 1728; as affected by Assignment and Assumption of Real Property Interests recorded in Book 12813, Page 1408. DOES NOT AFFECT SURVEYED AREA
17. Right-of-Way in favor of Oklahoma Natural Gas Company, recorded August 2, 1989 in Book 5940, Page 957. DOES NOT AFFECT SURVEYED AREA
18. Easement in favor of The City of Oklahoma City, recorded August 29, 1989 in Book 5950, Page 1321. DOES NOT AFFECT SURVEYED AREA
19. Easement in favor of The City of Oklahoma City, recorded October 16, 1989 in Book 5969, Page 1970. DOES NOT AFFECT SURVEYED AREA
20. Easement in favor of Retails Buildings, Inc., recorded June 17, 1991 in Book 6181, Page 344. as affected by Amendment to Easement Agreement recorded in Book 12079, Page 282; Second Amendment to Easement Agreement recorded in Book 12575, Page 454. DOES NOT AFFECT SURVEYED AREA
21. Easement in favor of The City of Oklahoma City, recorded November 12, 1991 in Book 6227, Page 524. DOES NOT AFFECT SURVEYED AREA
22. Easement in favor of Oklahoma Truck Supply Assoc. Inc., recorded July 8, 1992 in Book 6310, Page 1960. DOES NOT AFFECT SURVEYED AREA
23. Environmental Remediation and Access Agreement by and between Lucent Technologies Inc. and 7725 Reno# 1 LLC recorded July 29, 2004 in Book 9409, Page 489; as affected Partial Release of Collateral Assignment of Remediation Documents recorded in Book 11485, Page 1466; Amendment and Partial Assignment and Assumption of Access Agreement recorded in Book 11485, Page 1495; Amended and Restate Easement Agreement recorded in Book 10851, Page 1328; Partial Assignment and Assumption of Access Agreement recorded in Book 13569, Page 679. NOT A SURVEY MATTER
24. Declaration of Easement and Height Restriction by and between 7725 Reno# 1, LLC and OK City Outlets, LLC recorded October 20, 2010 in Book 11485, Page 1507. DOES AFFECT - BLANKET
25. Right-of-Way in favor of Oklahoma Natural Gas Company, recorded January 24, 2011 in Book 11557, Page 1670. AFFECTS SURVEYED AREA - AS SHOWN
26. Easement in favor of Oklahoma Gas and Electric Company, recorded June 10, 2011 in Book 11651, Page 583. DOES NOT AFFECT SURVEYED AREA
27. A lease dated June 1, 2011, executed by OK City Outlets, LLC as lessor and Fashions Outlet of America, Inc. as lessee, recorded June 29, 2011 in Book 11664, Page 1247. NOT A SURVEY MATTER
28. Storm Sewer Easement Description in favor of First National Bank and Trust Company of Oklahoma City, Trustee recorded in Book 5403, Page 1077. DOES NOT AFFECT SURVEYED AREA
29. Easement in favor of Charlotte Plotner, recorded December 4, 1955 in Book 5403, Page 1078. EXHIBIT A NOT ATTACHED TO DOCUMENT
30. Easement in favor of Oklahoma Gas and Electric Company, recorded September 13, 2012 in Book 12029, Page 930. DOES NOT AFFECT SURVEYED AREA
31. Easement or Right-of-Way as set forth in the Report of Commissioners entered in Oklahoma County District Court Case No. CJ-2014-5019 recorded December 1, 2014 in Book 12696, Page 1322. DOES NOT AFFECT SURVEYED AREA

EASEMENTS

- 32. Restrictive covenants, conditions, restrictions and easements recorded November 18, 2011 in Book 11779, Page 507, but deleting any covenant, condition or restriction indicating a preference, limitation or discrimination based on race, color, religion, sex, handicap, familial status, national origin, sexual orientation, marital status, ancestry, source of income or disability, to the extent such covenants, conditions or restrictions violate Title 42 Section 3604(c), of the United States Codes. as affected by Amended and Restated Declaration of Easements and Restrictions recorded in Book 11789, Page 715. DOES AFFECT - BLANKET
33. A right of first refusal in favor of OK City Outlets, LLC as contained in or disclosed by Declaration of Easements and Restrictions recorded November 18, 2011 in Book 11779, Page 507. as affected by Amended and Restated Declaration of Easements and Restrictions recorded in Book 11789, Page 715. DOES AFFECT - BLANKET
34. All items affecting subject Lot as shown on the recorded Plat of Council Reno Commercial Park, recorded November 18, 2011 in Book PL69, Page 60. DOES AFFECT - AS SHOWN
35. Restrictive covenants, conditions, restrictions and easements recorded December 22, 2011 in Book 11806, Page 99, but deleting any covenant, condition or restriction indicating a preference, limitation or discrimination based on race, color, religion, sex, handicap, familial status, national origin, sexual orientation, marital status, ancestry, source of income or disability, to the extent such covenants, conditions or restrictions violate Title 42 Section 3604(c), of the United States Codes. DOES AFFECT - BLANKET
36. Reciprocal Easement, Covenant and Restriction Agreement by and between OK City Outlets, LLC and OK City JV LLC recorded December 30, 2011 in Book 11811, Page 1773 and Amended and Restated Reciprocal Easement, Covenant and Restriction Agreement recorded in Book 11871, Page 682. DOES AFFECT - BLANKET
37. Declaration of Easements and Restrictions recorded August 8, 2014 in Book 12605, Page 1135. DOES NOT AFFECT
38. Easement in favor of The City of Oklahoma City, recorded April 25, 2012 in Book 11904, Page 1383. DOES NOT AFFECT
39. Restrictions Agreement by and between OK City Outlets, LLC; OK City Outlets II, LLC and BJ's Restaurants, Inc. recorded January 7, 2013 in Book 12130, Page 1217. Book PL69, Page 60. DOES AFFECT - BLANKET
40. Easement in favor of Oklahoma Gas and Electric Company, recorded June 13, 2014 in Book 12557, Page 877. and refilled in Book 12563, Page 1070. DOES NOT AFFECT
41. Easement or Right-of-Way as set forth in the Report of Commissioners entered in Oklahoma County District Court Case No. CJ-2014-2361 recorded August 7, 2014 in Book 12605, Page 652. DOES NOT AFFECT SURVEYED AREA
42. Declaration of Restrictions recorded December 29, 2014 in Book 12717, Page 339. DOES NOT AFFECT
43. Declaration of Restrictions recorded February 5, 2015 in Book 12744, Page 1021. DOES NOT AFFECT SURVEYED AREA
44. Easement in favor of Oklahoma Gas and Electric Company, recorded June 1, 2015 in Book 12837, Page 618. DOES NOT AFFECT SURVEYED AREA
45. Declaration of Restrictions recorded October 5, 2015 in Book 12945, Page 187. DOES NOT AFFECT SURVEYED AREA
46. Declaration of Restrictions recorded May 11, 2016 in Book 13116, Page 1221. DOES NOT AFFECT SURVEYED AREA
47. Notice of Remediation and Land Use Restrictions Oklahoma City Works recorded May 21, 2020 in Book 14351, Page 1289. NOT A SURVEY MATTER

VICINITY MAP



Limited Topographic Survey

This Work Performed By: FA Commercial Due Diligence Services Co. CDS COMMERCIAL DUE DILIGENCE SERVICES 3550 W. Robinson Street, Third Floor Norman, Oklahoma 73072 Office: 405-253-2444 website: www.firstamcdis.com Toll Free: 888.322.7371

Table with 2 columns: Field Name, Value. Includes Drwn By: DJH, Date: 11.15.2023, Surveyor Ref. No., Date, Aprvd By: TDD, Date, Field Date: November 1, 2023, Date, Scale: 1"=30', Date, Revision.

Prepared For:

20 PROJECT ADDRESS 7628 W Reno Ave #A100 Oklahoma City, Oklahoma Project Name: RA W Reno Ave-Oklahoma City OK CDS Project Number: 23-10-0179



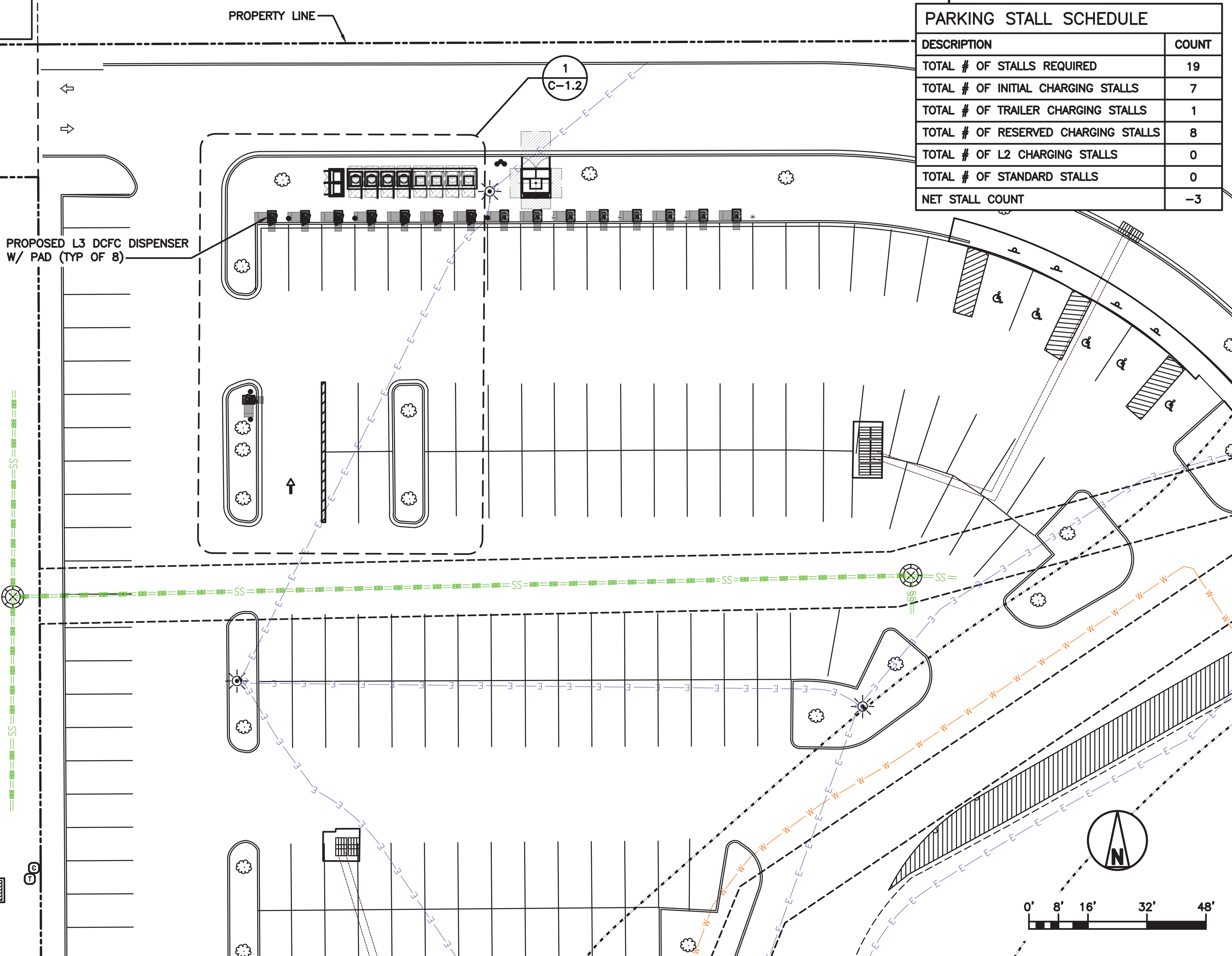
LINETYPE LEGEND:

---	---	---	EXISTING R.O.W.
—	OHP	—	EXISTING OVERHEAD POWER
—	P	—	EXISTING UNDERGROUND COMMERCIAL/RESIDENTIAL POWER
—	T	—	EXISTING UNDERGROUND TELCO/FIBER
—	GAS	—	EXISTING UNDERGROUND NATURAL GAS
—	W	—	EXISTING UNDERGROUND WATER LINE
—	SEWER	—	EXISTING UNDERGROUND SEWER LINE
—	SW	—	EXISTING UNDERGROUND STORM WATER LINE
—	UNK	—	UNKNOWN LINE

- GENERAL NOTES:**
1. THE CONTRACTOR SHALL ENSURE THAT EXISTING CURBING AND PAVEMENT IS NOT DAMAGED WHILE ACCESSING WORK AT THE SITE AND SHALL BE RESPONSIBLE TO REPLACE CURBING AND PAVEMENT IF DAMAGED.
 2. THE CONTRACTOR SHALL REMOVE EXISTING PAVEMENT AND/OR CURB USING CLEAN SAW CUTS TO INSTALL PROPOSED UNDERGROUND CONDUITS AND REPLACE PAVEMENT AND/OR CURB AFTER CONDUITS HAVE BEEN INSTALLED. NEW PAVEMENT SHALL MEET OR EXCEED EXISTING PAVEMENT SPECIFICATIONS. NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO PERFORMING WORK.
 3. APPLY LIQUID ASPHALT AT ALL JOINTS BETWEEN CONCRETE AND ASPHALT AND WHERE PROPOSED ASPHALT MEETS EXISTING, INCLUDING SAW CUT JOINTS.
 4. PROPOSED ASPHALT PAVEMENT SHALL MATCH EXISTING IN TYPE AND DEPTH. INCLUDE ENGINEERED COMPACTED BACKFILL BELOW PAVEMENT SECTION.

PARKING STALL SCHEDULE

DESCRIPTION	COUNT
TOTAL # OF STALLS REQUIRED	19
TOTAL # OF INITIAL CHARGING STALLS	7
TOTAL # OF TRAILER CHARGING STALLS	1
TOTAL # OF RESERVED CHARGING STALLS	8
TOTAL # OF L2 CHARGING STALLS	0
TOTAL # OF STANDARD STALLS	0
NET STALL COUNT	-3



OVERALL SITE PLAN

STAMP:

ENGINEERING LICENSE:

STATE OF OKLAHOMA

PE CERTIFICATE OF AUTHORIZATION # 3268PE

ENGINEER:	PE#:	DISCIPLINE:	
REJ ROBERT E. JENSEN	30773	CIVIL	C
SDK SHELTON D. KEISLING	17982	ELECTRICAL	EE
TMS TERRANCE M. SUPER	18027	ELECTRICAL	EE

PLANS PREPARED FOR:

PLANS PREPARED BY:

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ISSUED FOR REVIEW	10/10/24	IBA	B
ISSUED FOR PERMITTING	10/23/24	IBA	0

APPLICANT SITE NAME:

OKLAHOMA CITY

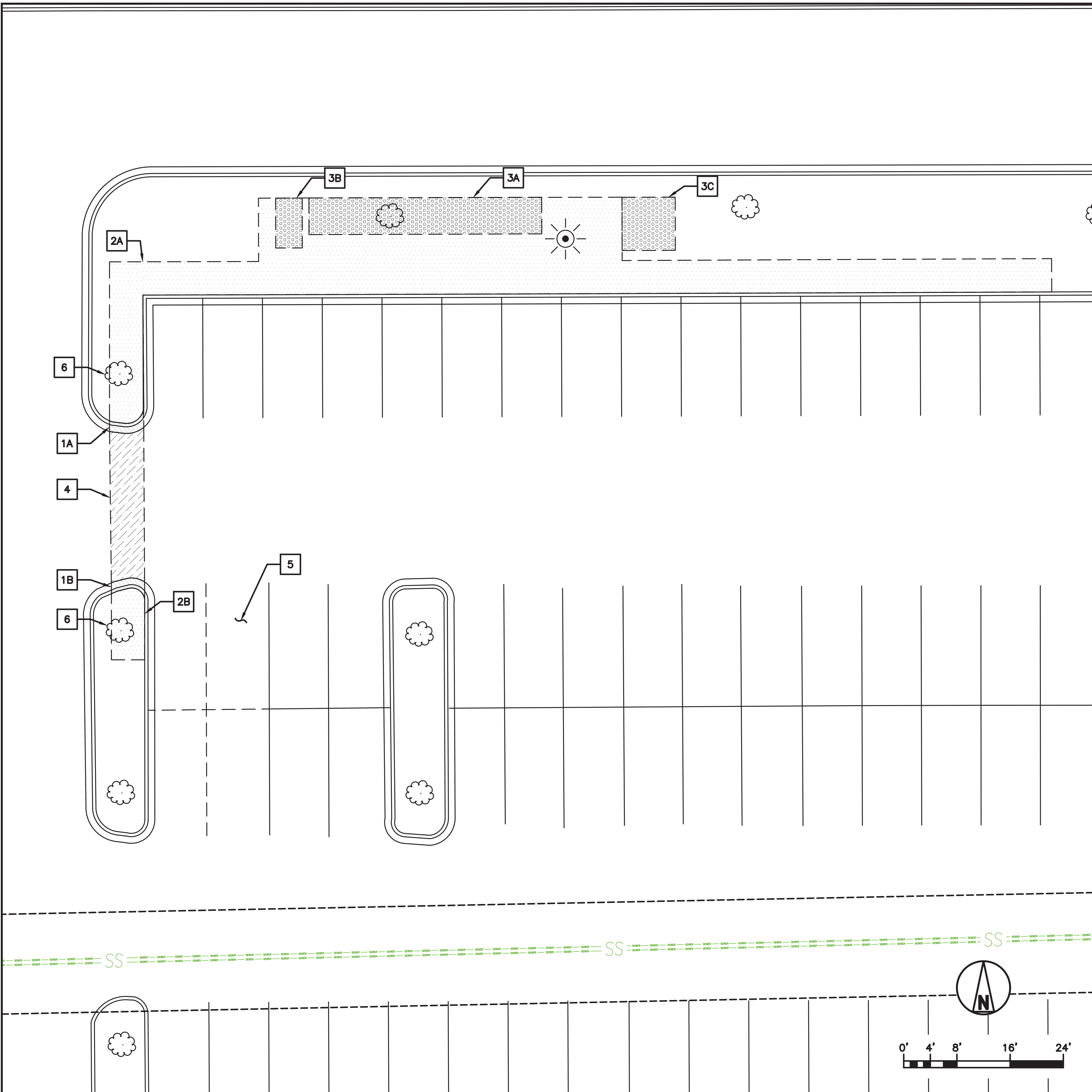
SSC SITE NUMBER:

OK-00002

SITE ADDRESS:

7624 W RENO AVE, STE. EV
OKLAHOMA CITY, OK 73127

SHEET DESCRIPTION:	SHEET #:
OVERALL SITE PLAN	C-1.0



TOTAL AREA LEGEND:

	DISTURBED CURB LENGTH 10± LN. FT
	DISTURBED PERVIOUS AREA 1379± SQ. FT
	REMOVED PERVIOUS AREA 290± SQ. FT
	DISTURBED IMPERVIOUS AREA 115± SQ. FT

- KEYED NOTES:**
- 1A APPROX. 5 LN. FT. DISTURBED CURB LENGTH FOR PROPOSED RIVIAN EQUIPMENT & CONDUIT ROUTING
 - 1B APPROX. 5 LN. FT. DISTURBED CURB LENGTH FOR PROPOSED RIVIAN EQUIPMENT & CONDUIT ROUTING
 - 2A APPROX. 1324 SQ. FT. DISTURBED PERVIOUS AREA FOR PROPOSED RIVIAN EQUIPMENT & CONDUIT ROUTING
 - 2B APPROX. 55 SQ. FT. DISTURBED PERVIOUS AREA FOR PROPOSED RIVIAN EQUIPMENT & CONDUIT ROUTING
 - 3A APPROX. 195 SQ. FT. REMOVED PERVIOUS AREA FOR PROPOSED RIVIAN EQUIPMENT & CONDUIT ROUTING
 - 3B APPROX. 30 SQ. FT. REMOVED PERVIOUS AREA FOR PROPOSED RIVIAN EQUIPMENT & CONDUIT ROUTING
 - 3C APPROX. 65 SQ. FT. REMOVED PERVIOUS AREA FOR PROPOSED RIVIAN EQUIPMENT & CONDUIT ROUTING
 - 4 APPROX. 115 SQ. FT. DISTURBED IMPERVIOUS AREA FOR PROPOSED RIVIAN EQUIPMENT & CONDUIT ROUTING
 - 5 EXISTING PARKING STALL TO BE RESTRIPEDED FOR PROPOSED RIVIAN TRAILER STALL (TYP OF 4)
 - 6 EXISTING TREES TO BE REMOVED / RELOCATED (TOTAL OF 2)

STAMP:

ROBERT E. JENSEN
30773
Oklahoma

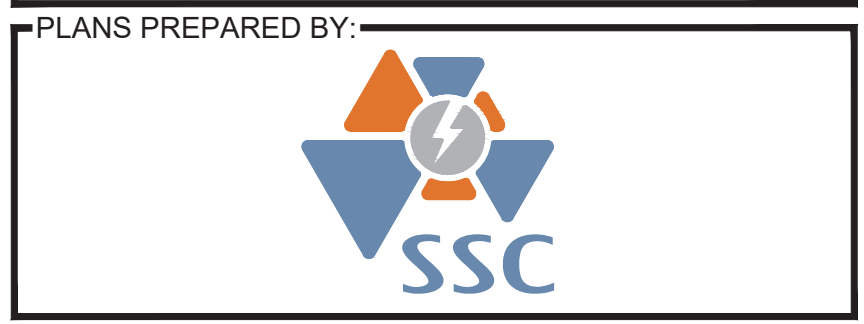
ENGINEERING LICENSE:

STATE OF OKLAHOMA

PE CERTIFICATE OF AUTHORIZATION # 3268PE

ENGINEER:	PE#:	DISCIPLINE:	
REJ ROBERT E. JENSEN	30773	CIVIL	C
SDK SHELTON D. KEISLING	17982	ELECTRICAL	EE
TMS TERRANCE M. SUPER	18027	ELECTRICAL	EE

PLANS PREPARED FOR:



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APPLICANT SITE NAME:

OKLAHOMA CITY

SSC SITE NUMBER:

OK-00002

SITE ADDRESS:

7624 W RENO AVE, STE. EV
OKLAHOMA CITY, OK 73127

SHEET DESCRIPTION:

EXISTING SITE PLAN

SHEET #:

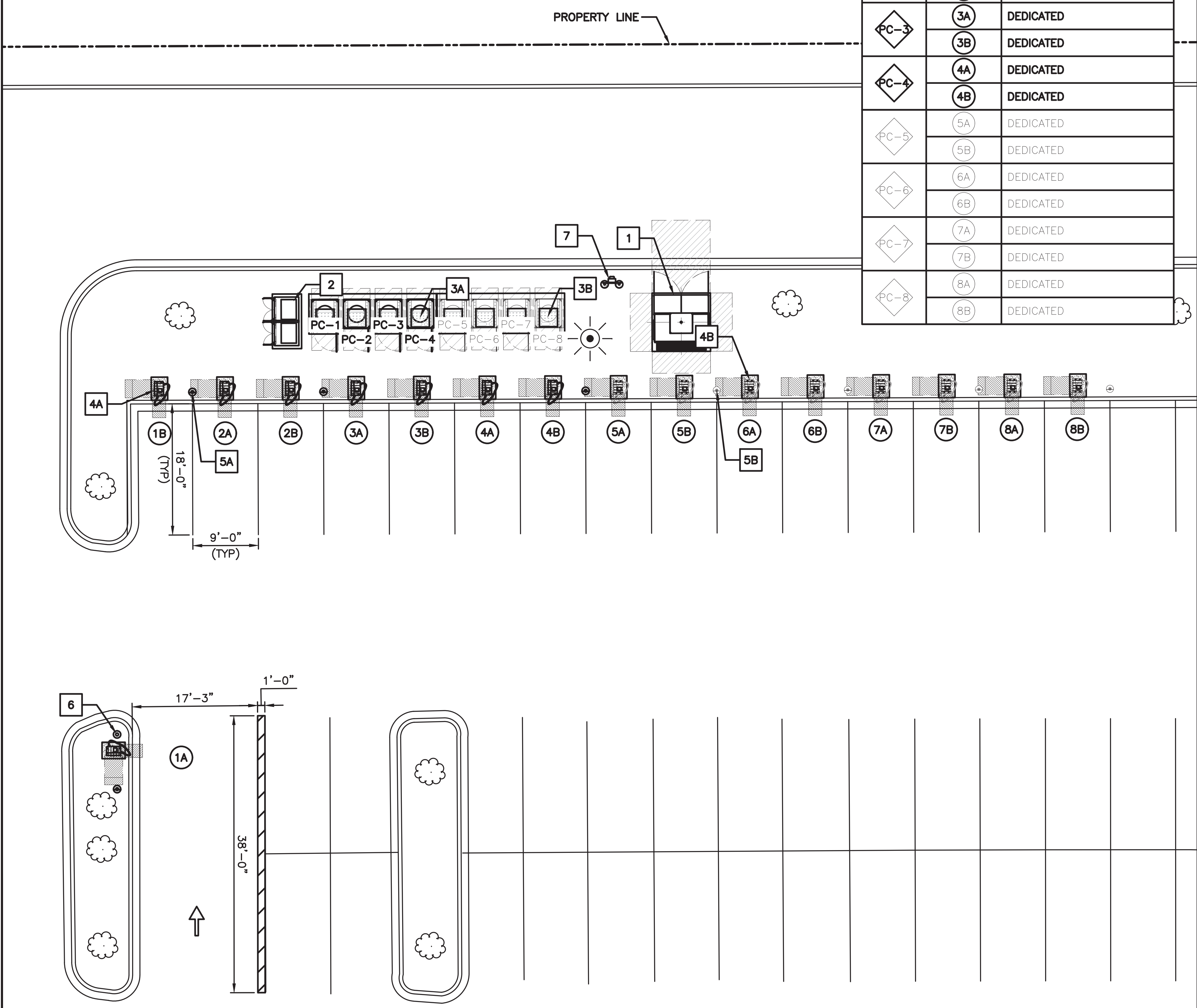
C-1.1

PARKING STALL LEGEND	
DESCRIPTION	SYMBOL
PROPOSED DCFC DISPENSER	#

SIGNAGE SCHEDULE		
POWER CABINET	DISPENSER	ENABLED/DEDICATED:
PC-1	1A	DEDICATED
	1B	DEDICATED
PC-2	2A	DEDICATED
	2B	DEDICATED
PC-3	3A	DEDICATED
	3B	DEDICATED
PC-4	4A	DEDICATED
	4B	DEDICATED
PC-5	5A	DEDICATED
	5B	DEDICATED
PC-6	6A	DEDICATED
	6B	DEDICATED
PC-7	7A	DEDICATED
	7B	DEDICATED
PC-8	8A	DEDICATED
	8B	DEDICATED

KEYED NOTES:

- 1 PROPOSED TRANSFORMER (BY UTILITY COMPANY)
- 2 PROPOSED SWITCHBOARD W/ EQUIPMENT PAD
- 3A PROPOSED PAD MOUNTED POWER CABINET (TYP OF 4)
- 3B RESERVED PAD MOUNTED POWER CABINET (TYP OF 4)
- 4A PROPOSED L3 DCFC DISPENSER (TYP OF 8)
- 4B RESERVED L3 DCFC DISPENSER (TYP OF 8)
- 5A PROPOSED 2-IN-1 SIGN POST BOLLARD (TYP OF 5)
- 5B RESERVED 2-IN-1 SIGN POST BOLLARD (TYP OF 4)
- 6 PROPOSED RIVIAN BOLLARD
- 7 PROPOSED METER H-FRAME (PER UTILITY COMPANY REQUIREMENTS)



ENLARGED SITE PLAN

STAMP:

ENGINEERING LICENSE:
STATE OF OKLAHOMA
PE CERTIFICATE OF AUTHORIZATION # 3268PE
ENGINEER: REJ ROBERT E. JENSEN 30773 DISCIPLINE: CIVIL C
SDK SHELTON D. KEISLING 17982 ELECTRICAL
TMS TERRANCE M. SUPER 18027 ELECTRICAL

PLANS PREPARED FOR:
 RIVIAN

PLANS PREPARED BY:
 SSC

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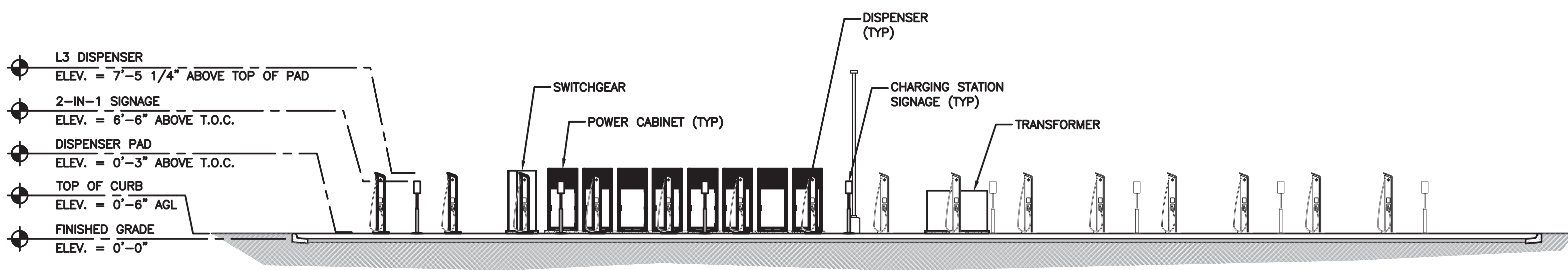
APPLICANT SITE NAME:
OKLAHOMA CITY

SSC SITE NUMBER:
OK-00002

SITE ADDRESS:
7624 W RENO AVE, STE. EV
OKLAHOMA CITY, OK 73127

SHEET DESCRIPTION: ENLARGED SITE PLAN	SHEET #: C-1.2
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TREX NOTE:
 CONTRACTOR SHALL REFER TO THE
 INSTALLATION GUIDE ATTACHED WITH THE
 DRAWINGS FOR TREX HEIGHT REQUIREMENTS.



- L3 DISPENSER
ELEV. = 7'-5 1/4" ABOVE TOP OF PAD
- 2-IN-1 SIGNAGE
ELEV. = 6'-6" ABOVE T.O.C.
- DISPENSER PAD
ELEV. = 0'-3" ABOVE T.O.C.
- TOP OF CURB
ELEV. = 0'-6" AGL
- FINISHED GRADE
ELEV. = 0'-0"

STAMP:

ENGINEERING LICENSE:
 STATE OF OKLAHOMA
 PE CERTIFICATE OF AUTHORIZATION # 3268PE

ENGINEER:	PE#:	DISCIPLINE:	
REJ ROBERT E. JENSEN	30773	CIVIL	C
SDK SHELTON D. KEISLING	17982	ELECTRICAL	E
TMS TERRANCE M. SUPER	18027	ELECTRICAL	E

PLANS PREPARED FOR:

PLANS PREPARED BY:

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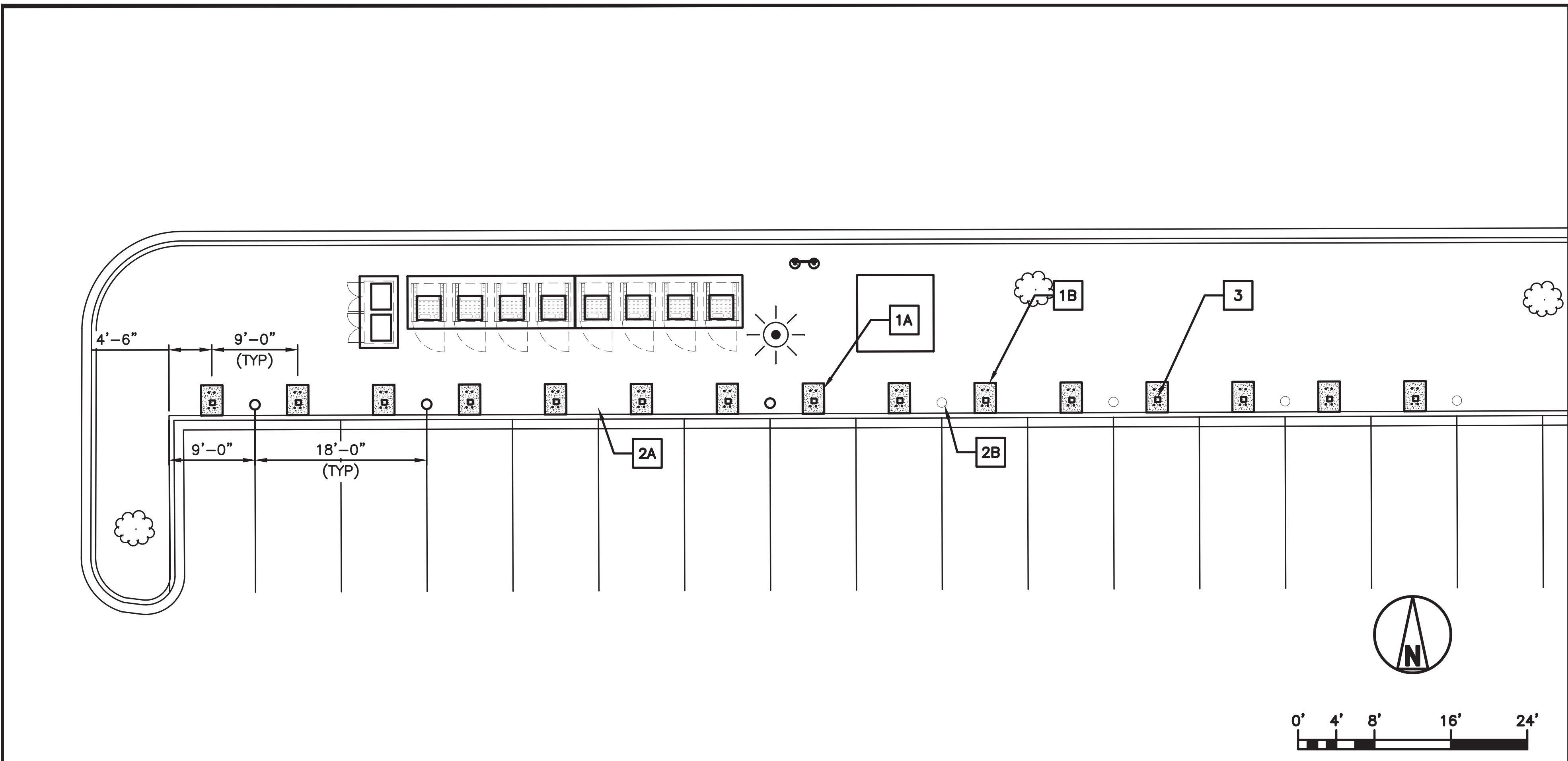
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SSC SITE NUMBER:
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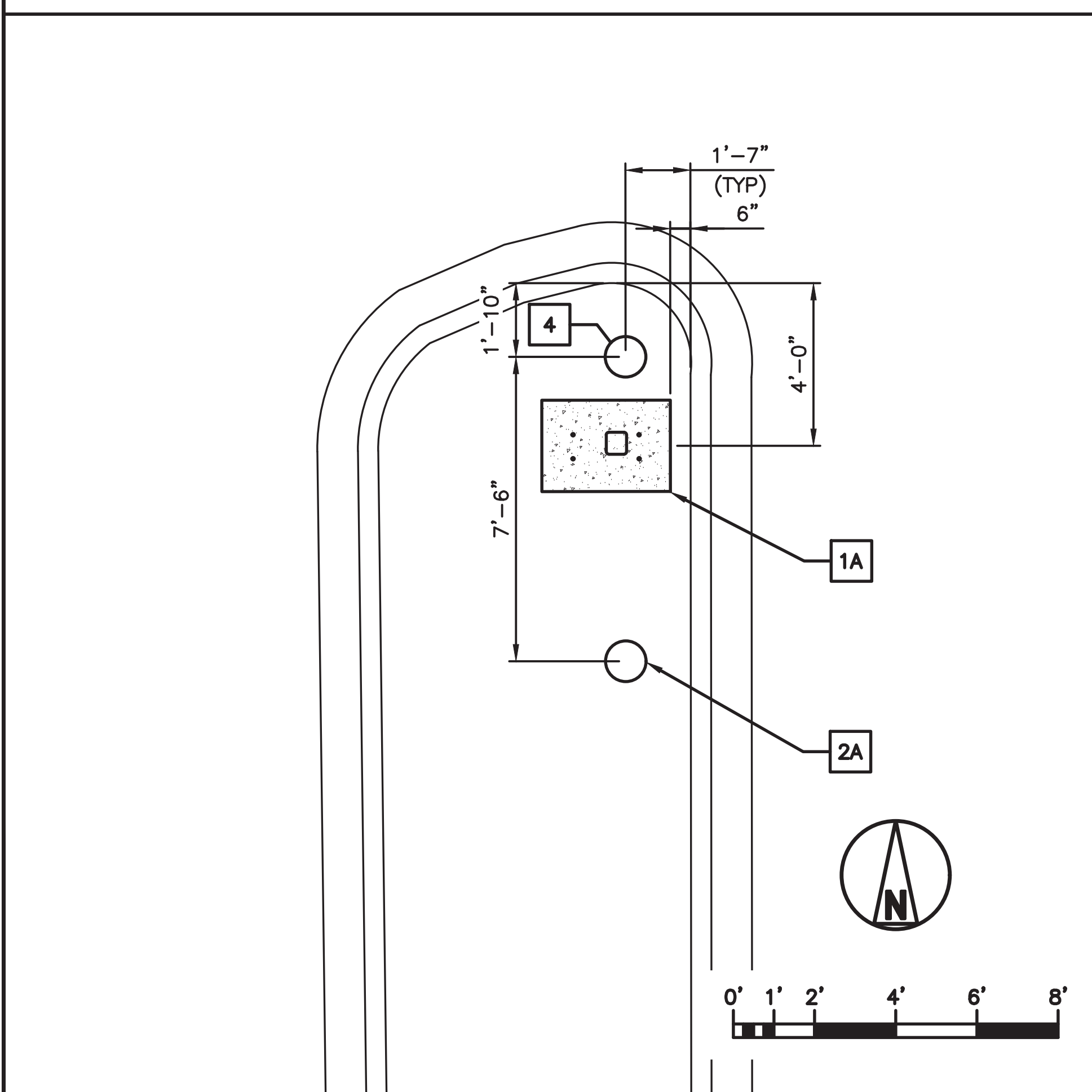
SITE ADDRESS:
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SHEET DESCRIPTION:	SHEET #:
SITE ELEVATIONS	C-1.3



DISPENSER PLAN

1



TRAILER DISPENSER PLAN

3

DETAIL NOT USED

2

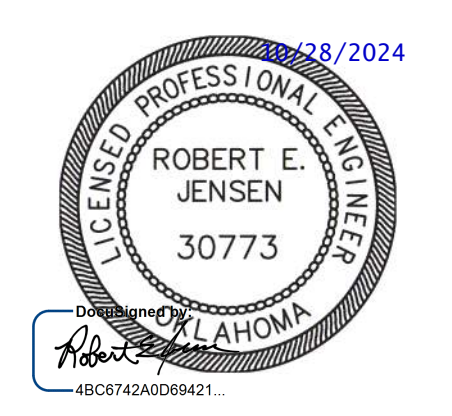
GENERAL NOTE:

1. CONTRACTOR SHALL INSTALL BELL END FITTINGS ON ALL CONDUITS AFTER INSTALLATION.

KEYED NOTES:

- 1A PROPOSED 3'-2" x 2'-1" PAD FOR DCFC DISPENSERS (TYP OF 8) (SEE SHEET C-3.0, DETAIL 1)
- 1B RESERVED 3'-2" x 2'-1" PAD FOR FUTURE DCFC DISPENSERS (TYP OF 8) (SEE SHEET C-3.0, DETAIL 1)
- 2A PROPOSED 2-IN-1 SIGNPOST BOLLARD FOUNDATION (TYP OF 5)
- 2B RESERVED 2-IN-1 SIGNPOST BOLLARD FOUNDATION (TYP OF 4)
- 3 CONTRACTOR TO RUN CONDUIT TO FUTURE DISPENSER LOCATION, CAP, AND BURY CONDUIT (TYP OF 8) (SEE GENERAL NOTE)
- 4 PROPOSED RIVIAN BOLLARD (SEE SHEET C-3.3)

STAMP:



ENGINEERING LICENSE:
STATE OF OKLAHOMA
PE CERTIFICATE OF AUTHORIZATION # 3268PE
ENGINEER: PE#: DISCIPLINE:
REJ ROBERT E. JENSEN 30773 CIVIL C
SKJ SHELTON D. KEISLING 17982 ELECTRICAL E
TMS TERRANCE M. SUPER 18027 ELECTRICAL E

PLANS PREPARED FOR:



PLANS PREPARED BY:



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OKLAHOMA CITY

SSC SITE NUMBER:

OK-00002

SITE ADDRESS:

7624 W RENO AVE, STE. EV
OKLAHOMA CITY, OK 73127

SHEET DESCRIPTION: SHEET #:

EQUIPMENT
PLANS (1 OF 2)

C-2.0

- GENERAL NOTES:**
1. CONTRACTOR SHALL INSTALL BELL END FITTINGS ON ALL CONDUITS AFTER INSTALLATION.
 2. SPACING FOR POWER CABINETS SHALL BE MEASURED FROM CENTER OF BOLT HOLE TO CENTER OF BOLT HOLE.

- KEYED NOTES:**
- 1 PROPOSED 17'-6" x 5'-6" POWER CABINET FOUNDATION (SEE SHEET C-3.1 & C-3.2)
 - 2 PROPOSED RIVIAN SITE BOX (TYP OF 8) (SEE SHEET C-3.2)
 - 3 PROPOSED 7'-6" x 4'-0" SWITCHBOARD FOUNDATION (SEE SHEET C-3.1)
 - 4 PROPOSED SWITCHBOARD CONDUIT BLOCKOUT (TYP OF 2) (SEE SWITCHBOARD SHOP DRAWINGS)
 - 5A POWER CABINET FOOTPRINT & DOOR SWINGS (TYP)
 - 5B SWITCHBOARD FOOTPRINT & DOOR SWINGS
 - 6 PROPOSED 8'-0" x 8'-0" TRANSFORMER FOUNDATION

STAMP:

ENGINEERING LICENSE:

STATE OF OKLAHOMA

PE CERTIFICATE OF AUTHORIZATION # 3268PE

ENGINEER:	PE#:	DISCIPLINE:	
REJ ROBERT E. JENSEN	30773	CIVIL	C
SDK SHELTON D. KEISLING	17982	ELECTRICAL	E
TMS TERRANCE M. SUPER	18027	ELECTRICAL	E

PLANS PREPARED FOR:

PLANS PREPARED BY:

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APPLICANT SITE NAME:

OKLAHOMA CITY

SSC SITE NUMBER:

OK-00002

SITE ADDRESS:

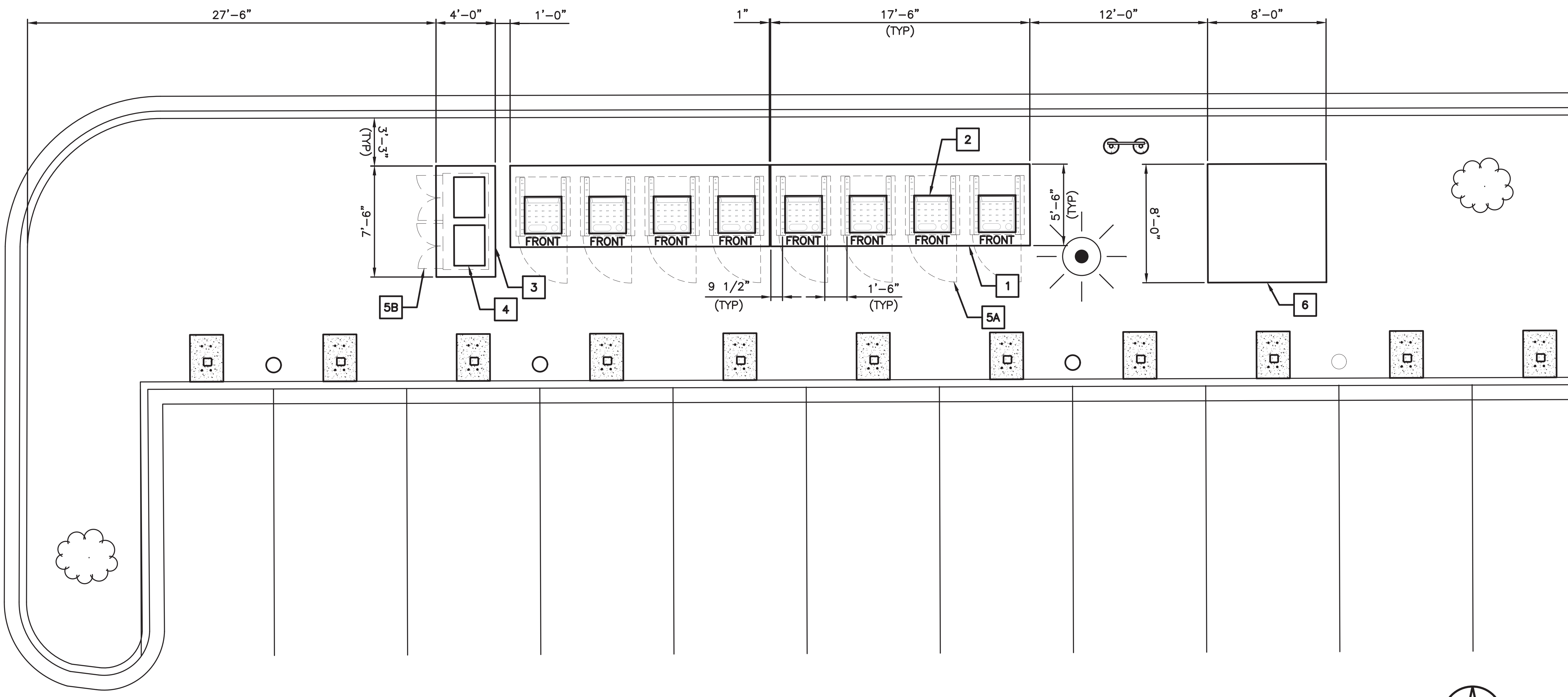
7624 W RENO AVE, STE. EV
OKLAHOMA CITY, OK 73127

SHEET DESCRIPTION:

EQUIPMENT PLANS (2 OF 2)

SHEET #:

C-2.1

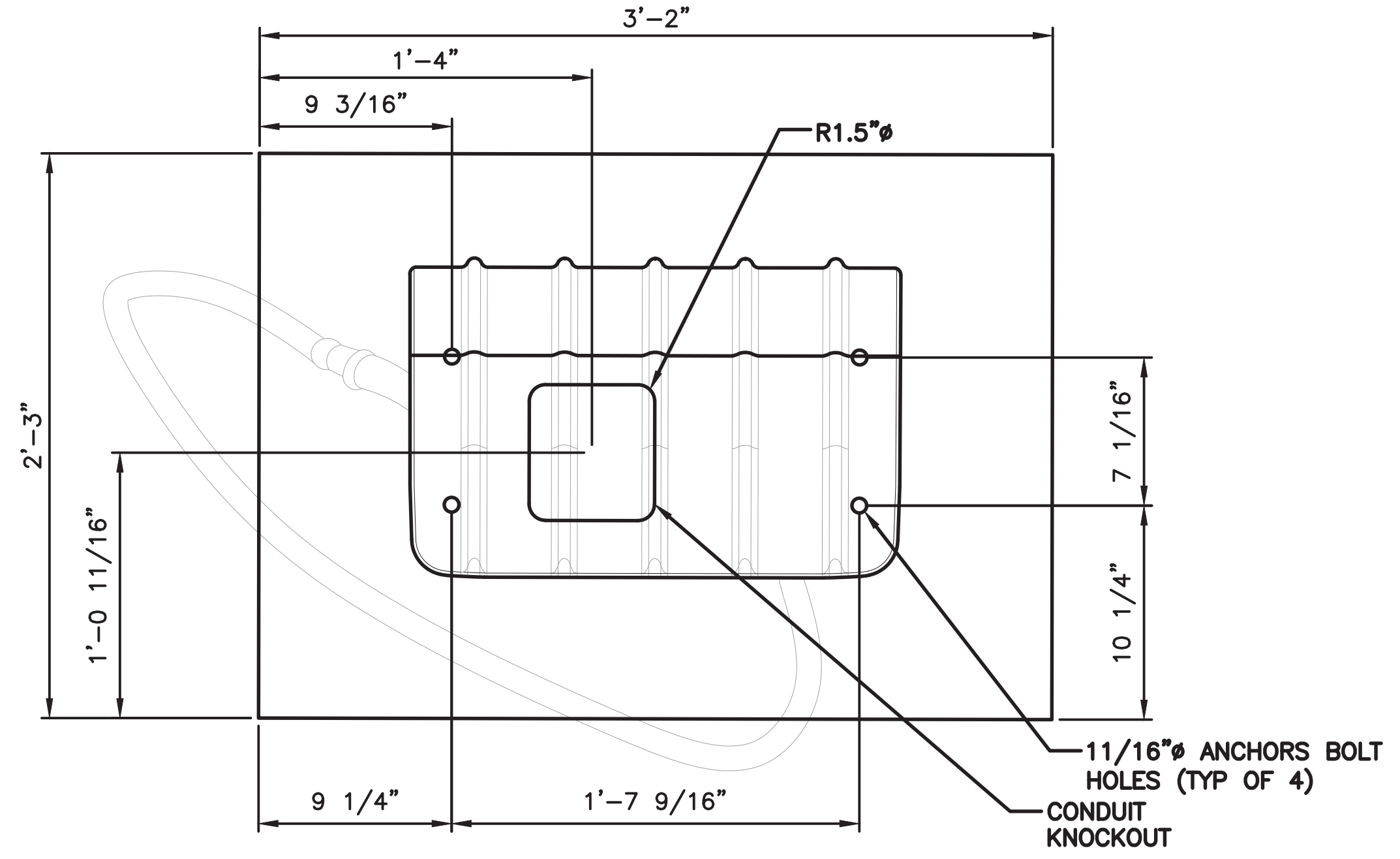
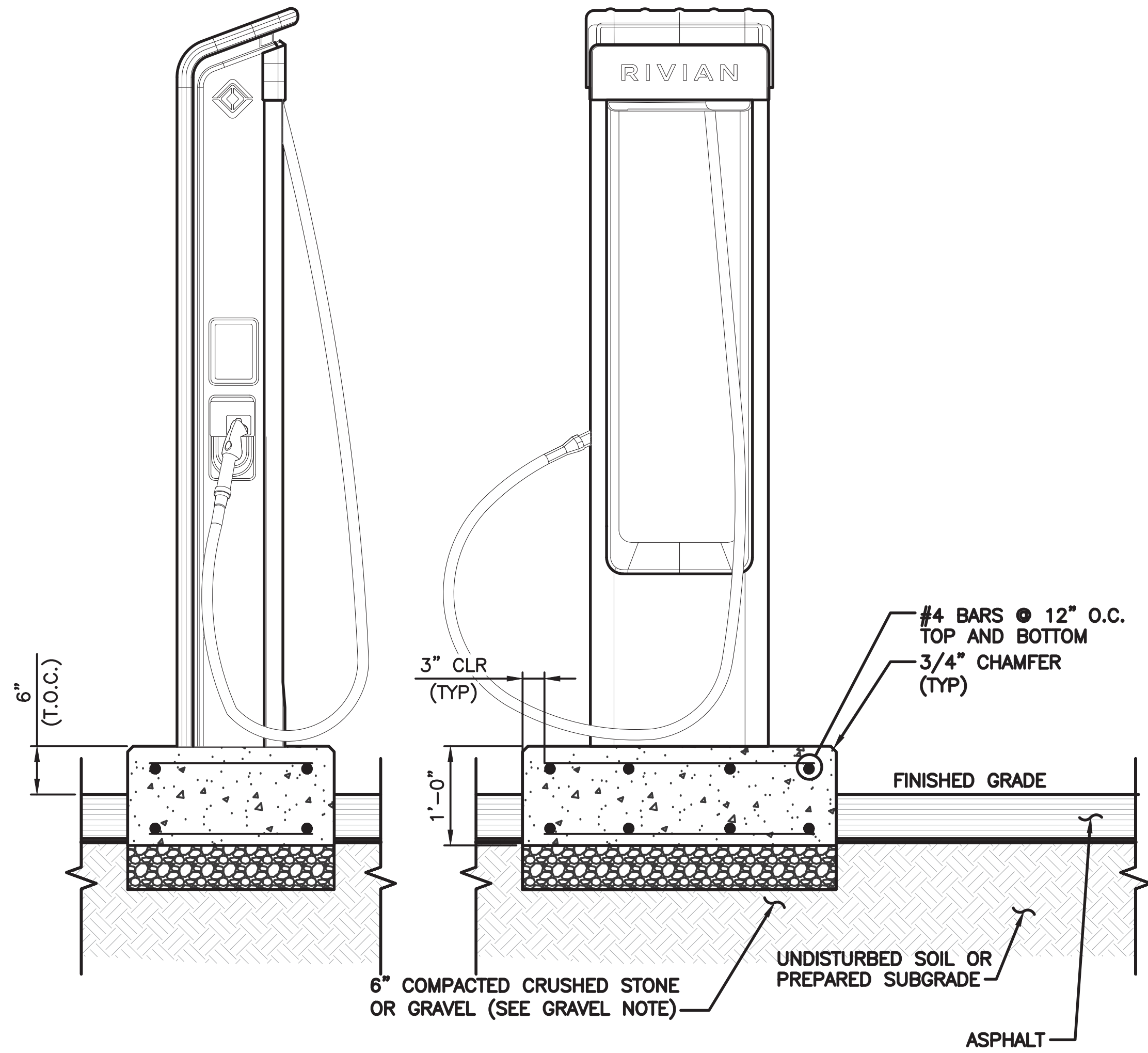


EQUIPMENT ENCLOSURE PLAN

GRAVEL NOTE:
GRAVEL SHALL BE NATURAL OR CRUSHED STONE WITH 100 PERCENT PASSING 1 INCH SIEVE.

FOUNDATION NOTE:
MINIMUM SOIL BEARING CAPACITY OF 1500 PSF IS ASSUMED IN ALL FOUNDATIONS AND SLAB AREAS. (GENERAL CONTRACTOR SHALL VERIFY PRIOR TO CONSTRUCTION)

SPECIFICATIONS:
DIMENSIONS (HxDxW):
DISPENSER: 89"x23"x15"

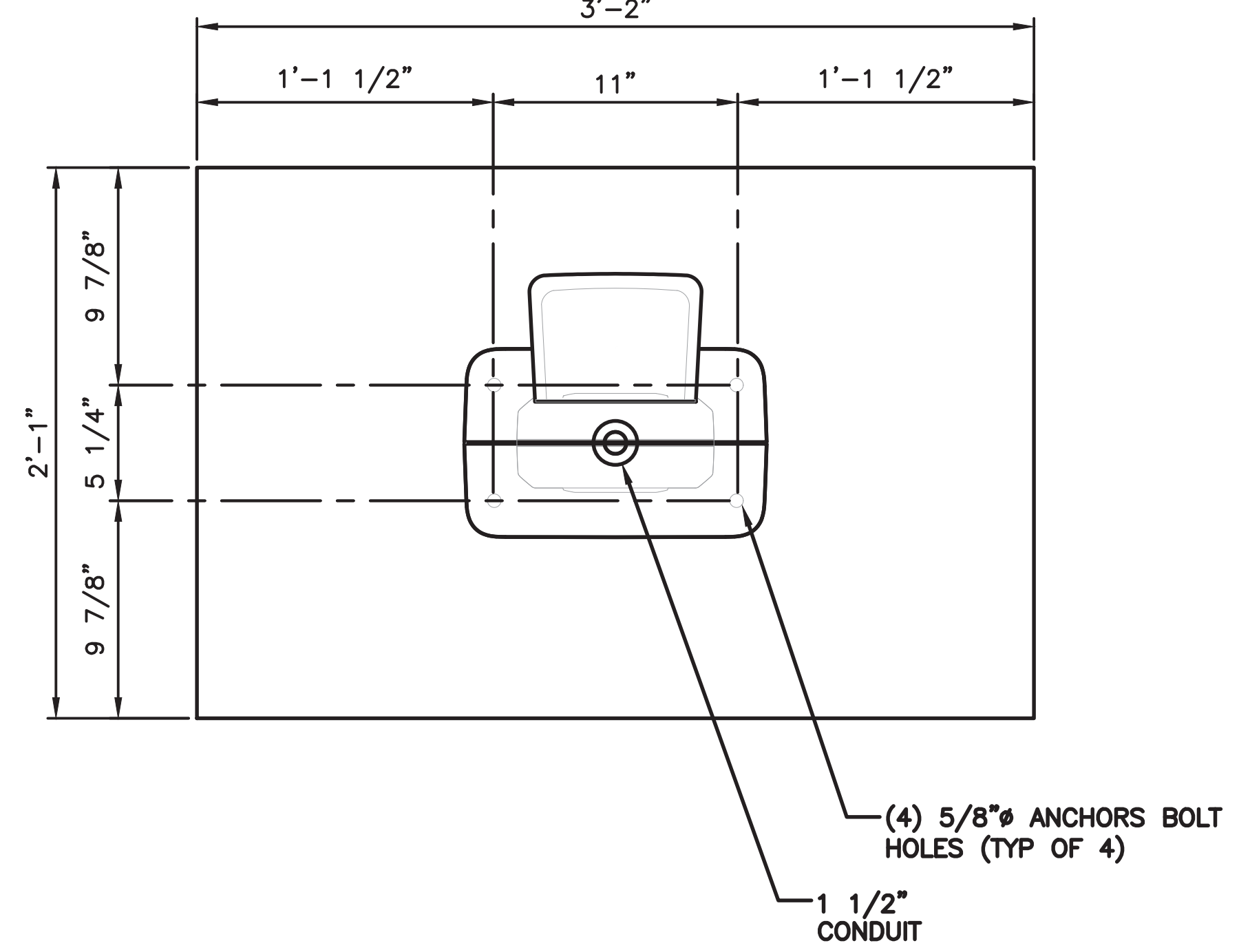
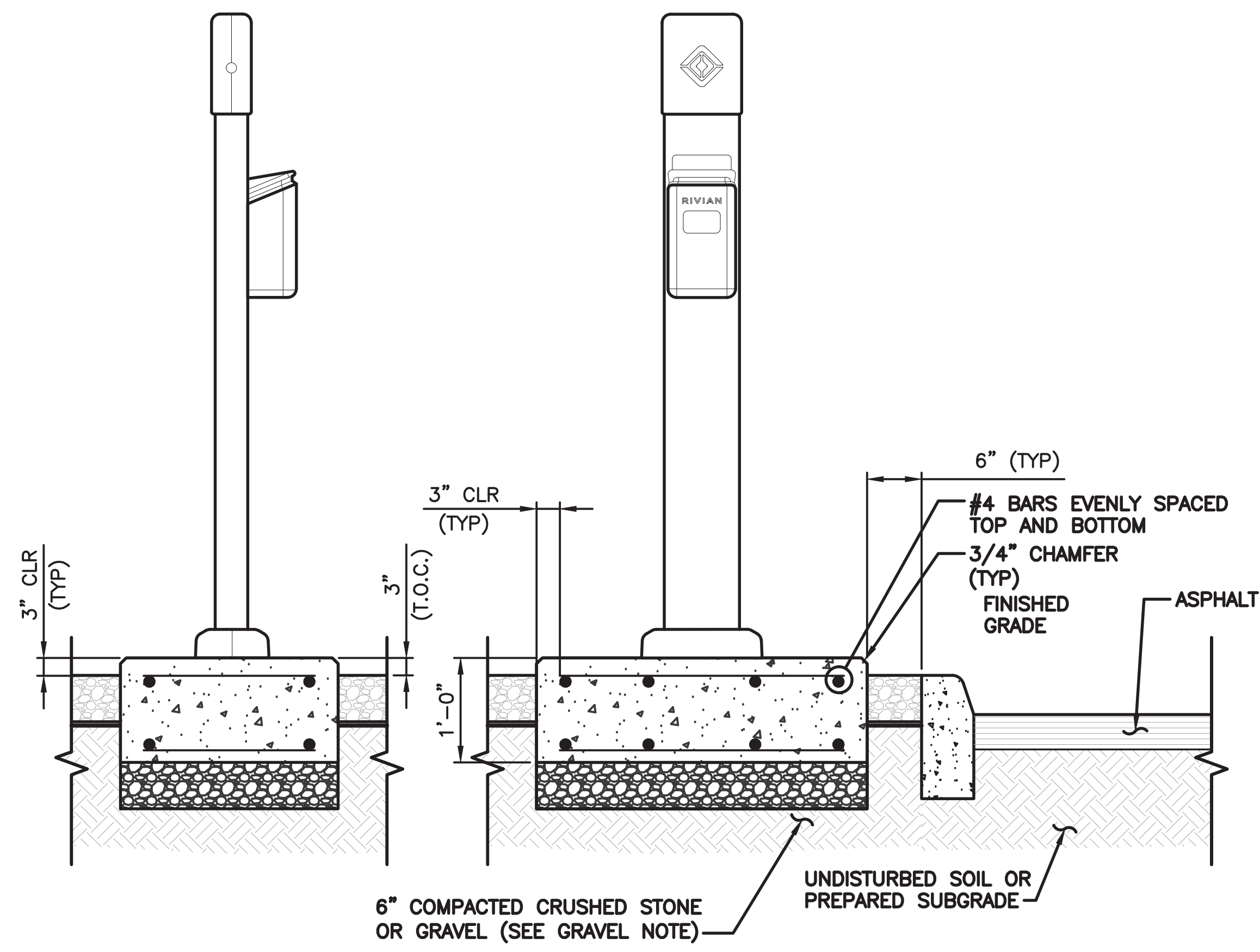


DCFC DISPENSER DETAIL

GRAVEL NOTE:
GRAVEL SHALL BE NATURAL OR CRUSHED STONE WITH 100 PERCENT PASSING 1 INCH SIEVE.

FOUNDATION NOTE:
MINIMUM SOIL BEARING CAPACITY OF 1500 PSF IS ASSUMED IN ALL FOUNDATIONS AND SLAB AREAS. (GENERAL CONTRACTOR SHALL VERIFY PRIOR TO CONSTRUCTION)

SPECIFICATIONS:
DIMENSIONS (HxDxW):
DISPENSER: 16.27"x7.32"x5.75"
PEDESTAL: 74.00"x8.66"x13.91"



L2 DISPENSER DETAIL

STAMP:

ENGINEERING LICENSE:
STATE OF OKLAHOMA
PE CERTIFICATE OF AUTHORIZATION # 3268PE

ENGINEER:	PE#:	DISCIPLINE:	
REJ ROBERT E. JENSEN	30773	CIVIL	C
SDK SHELTON D. KEISLING	17982	ELECTRICAL	EE
TMS TERRANCE M. SUPER	18027	ELECTRICAL	EE

PLANS PREPARED FOR:



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SUBMITTALS:

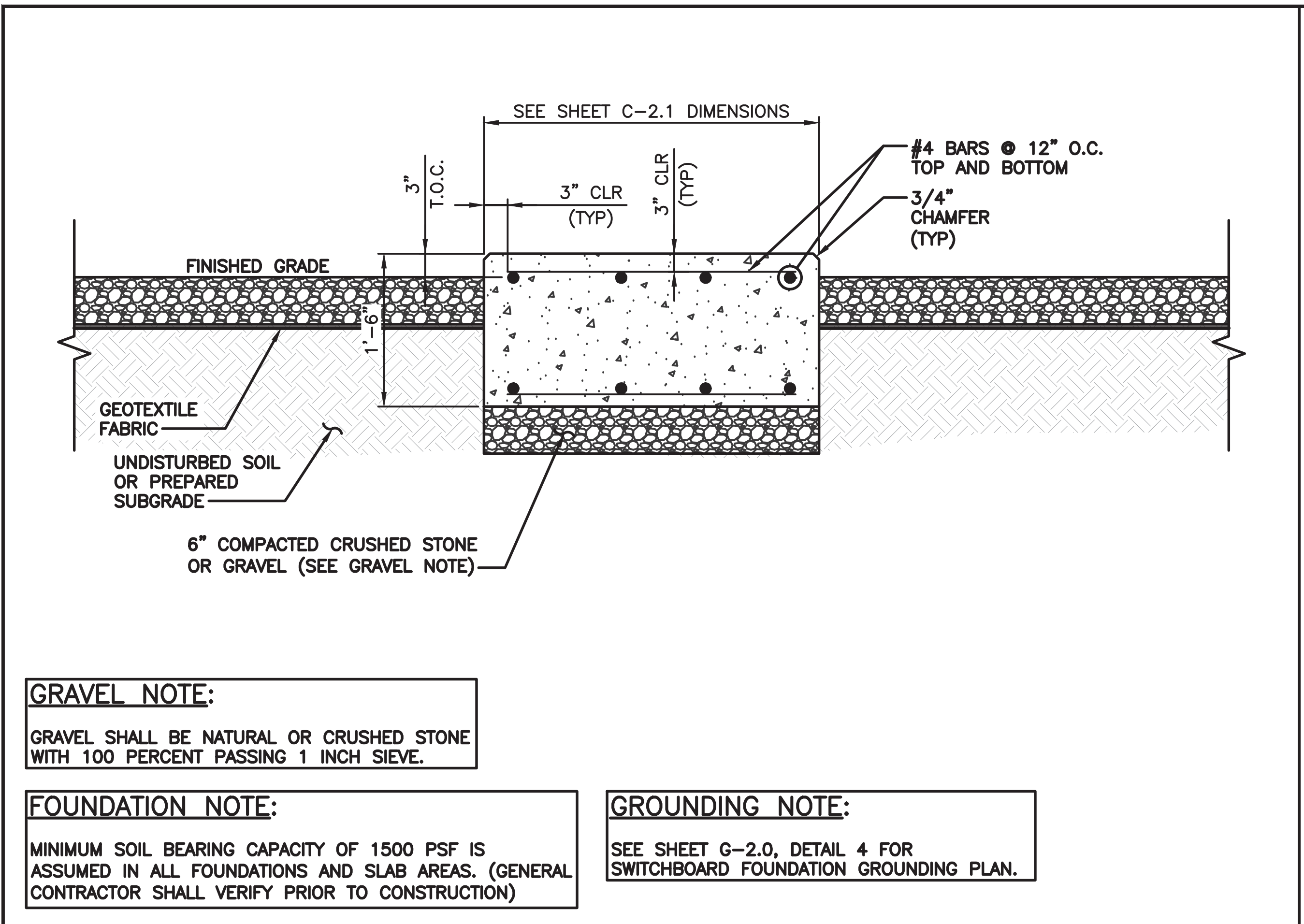
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ISSUED FOR REVIEW	10/10/24	IBA	B
ISSUED FOR PERMITTING	10/23/24	IBA	0

APPLICANT SITE NAME:
OKLAHOMA CITY

SSC SITE NUMBER:
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SITE ADDRESS:
7624 W RENO AVE, STE. EV
OKLAHOMA CITY, OK 73127

SHEET DESCRIPTION: EQUIPMENT DETAILS (1 OF 5)	SHEET #: C-3.0
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GRAVEL NOTE:

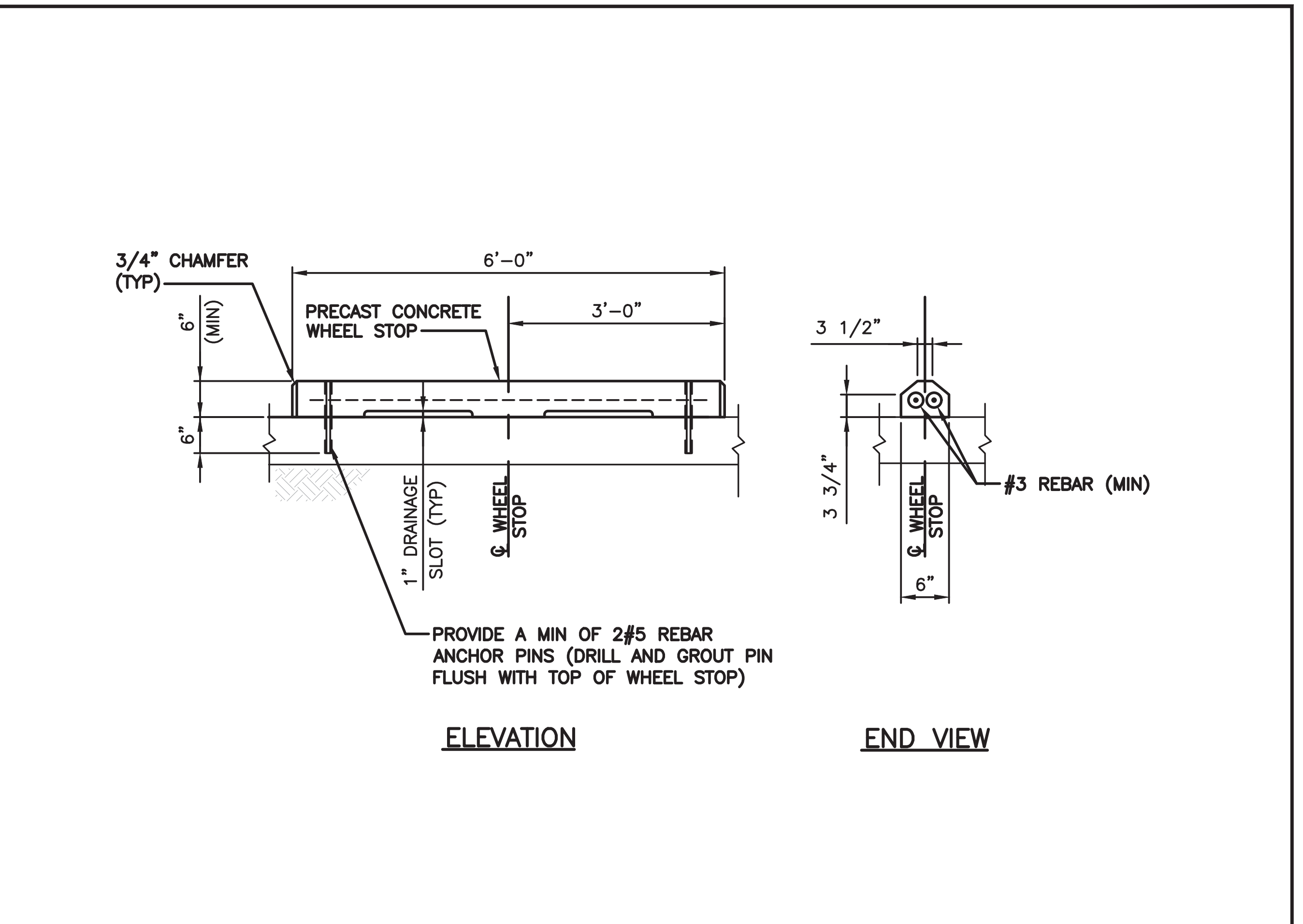
GRAVEL SHALL BE NATURAL OR CRUSHED STONE WITH 100 PERCENT PASSING 1 INCH SIEVE.

FOUNDATION NOTE:

MINIMUM SOIL BEARING CAPACITY OF 1500 PSF IS ASSUMED IN ALL FOUNDATIONS AND SLAB AREAS. (GENERAL CONTRACTOR SHALL VERIFY PRIOR TO CONSTRUCTION)

GROUNDING NOTE:

SEE SHEET G-2.0, DETAIL 4 FOR SWITCHBOARD FOUNDATION GROUNDING PLAN.



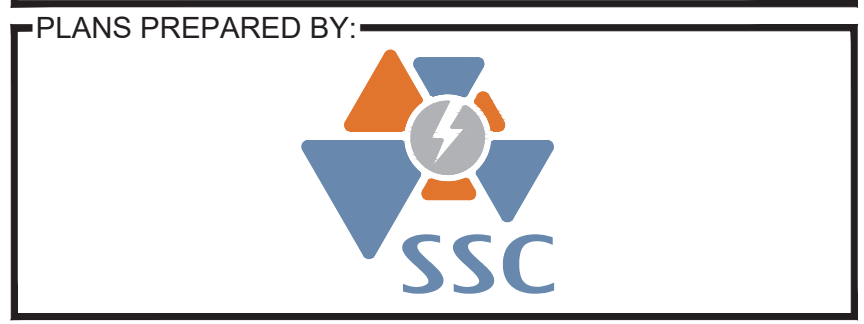
ELEVATION

END VIEW

STAMP:

ENGINEERING LICENSE:
STATE OF OKLAHOMA
PE CERTIFICATE OF AUTHORIZATION # 3268PE
ENGINEER: ROBERT E. JENSEN PE# 30773 DISCIPLINE: CIVIL
SDK SHELTON D. KEISLING 17982 ELECTRICAL
TMS TERRANCE M. SUPER 18027 ELECTRICAL

PLANS PREPARED FOR:



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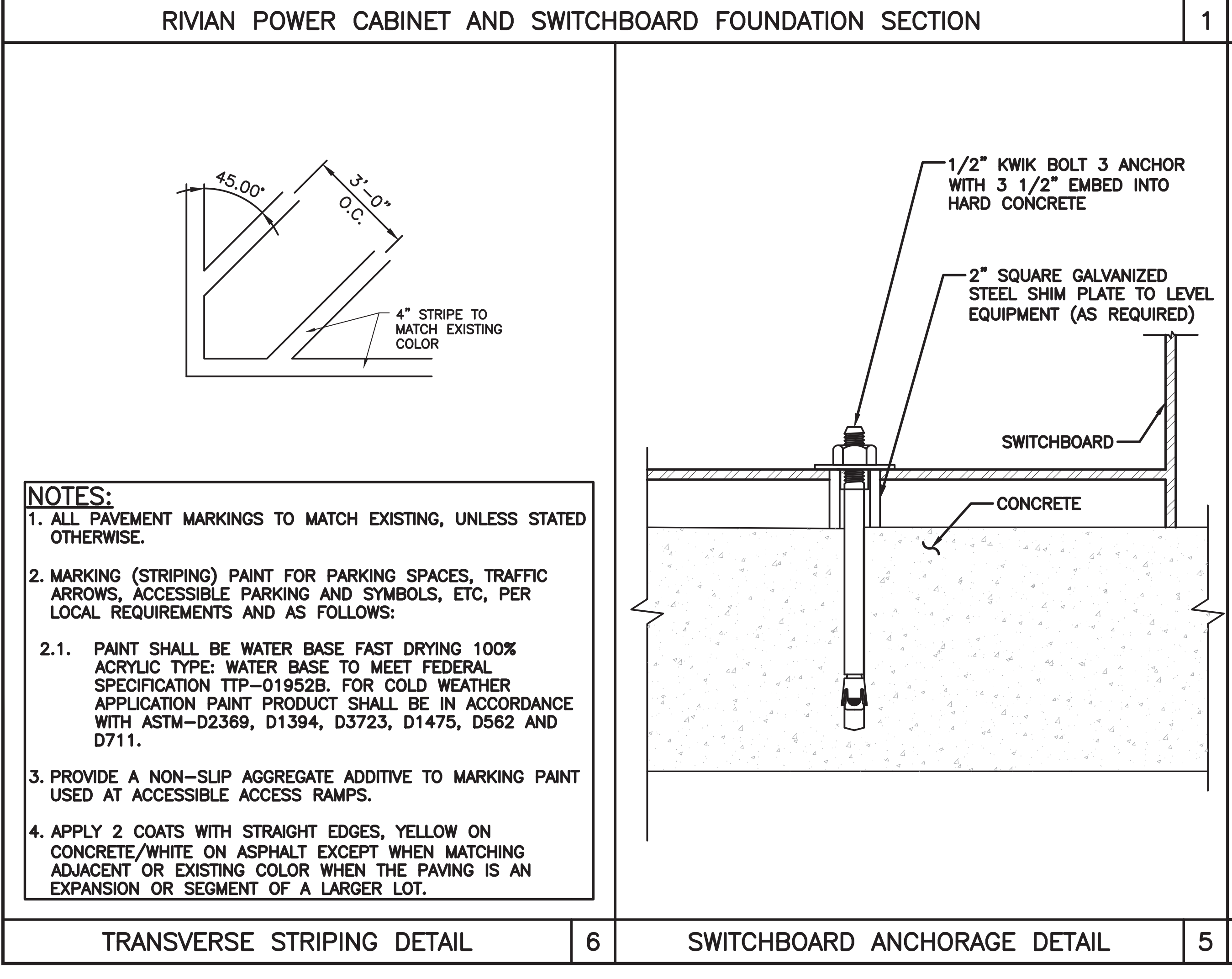
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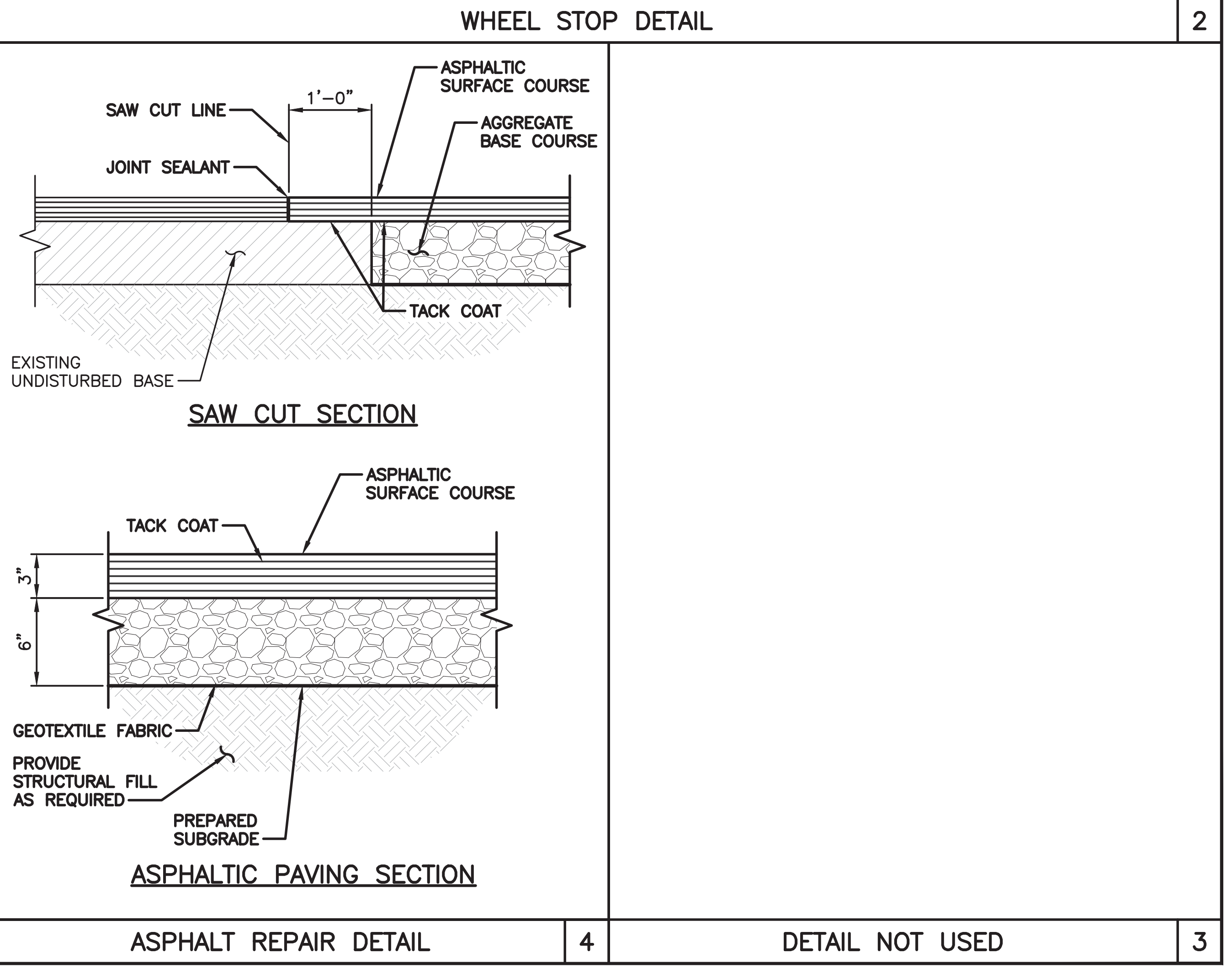
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**7624 W RENO AVE, STE. EV
OKLAHOMA CITY, OK 73127**

SHEET DESCRIPTION: EQUIPMENT DETAILS (2 OF 5)	SHEET #: C-3.1
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NOTES:

- ALL PAVEMENT MARKINGS TO MATCH EXISTING, UNLESS STATED OTHERWISE.
- MARKING (STRIPING) PAINT FOR PARKING SPACES, TRAFFIC ARROWS, ACCESSIBLE PARKING AND SYMBOLS, ETC, PER LOCAL REQUIREMENTS AND AS FOLLOWS:
 - PAIN SHALL BE WATER BASE FAST DRYING 100% ACRYLIC TYPE: WATER BASE TO MEET FEDERAL SPECIFICATION TTP-01952B. FOR COLD WEATHER APPLICATION PAINT PRODUCT SHALL BE IN ACCORDANCE WITH ASTM-D2369, D1394, D3723, D1475, D562 AND D711.
- PROVIDE A NON-SLIP AGGREGATE ADDITIVE TO MARKING PAINT USED AT ACCESSIBLE ACCESS RAMPS.
- APPLY 2 COATS WITH STRAIGHT EDGES, YELLOW ON CONCRETE/WHITE ON ASPHALT EXCEPT WHEN MATCHING ADJACENT OR EXISTING COLOR WHEN THE PAVING IS AN EXPANSION OR SEGMENT OF A LARGER LOT.



SAW CUT SECTION

ASPHALTIC PAVING SECTION

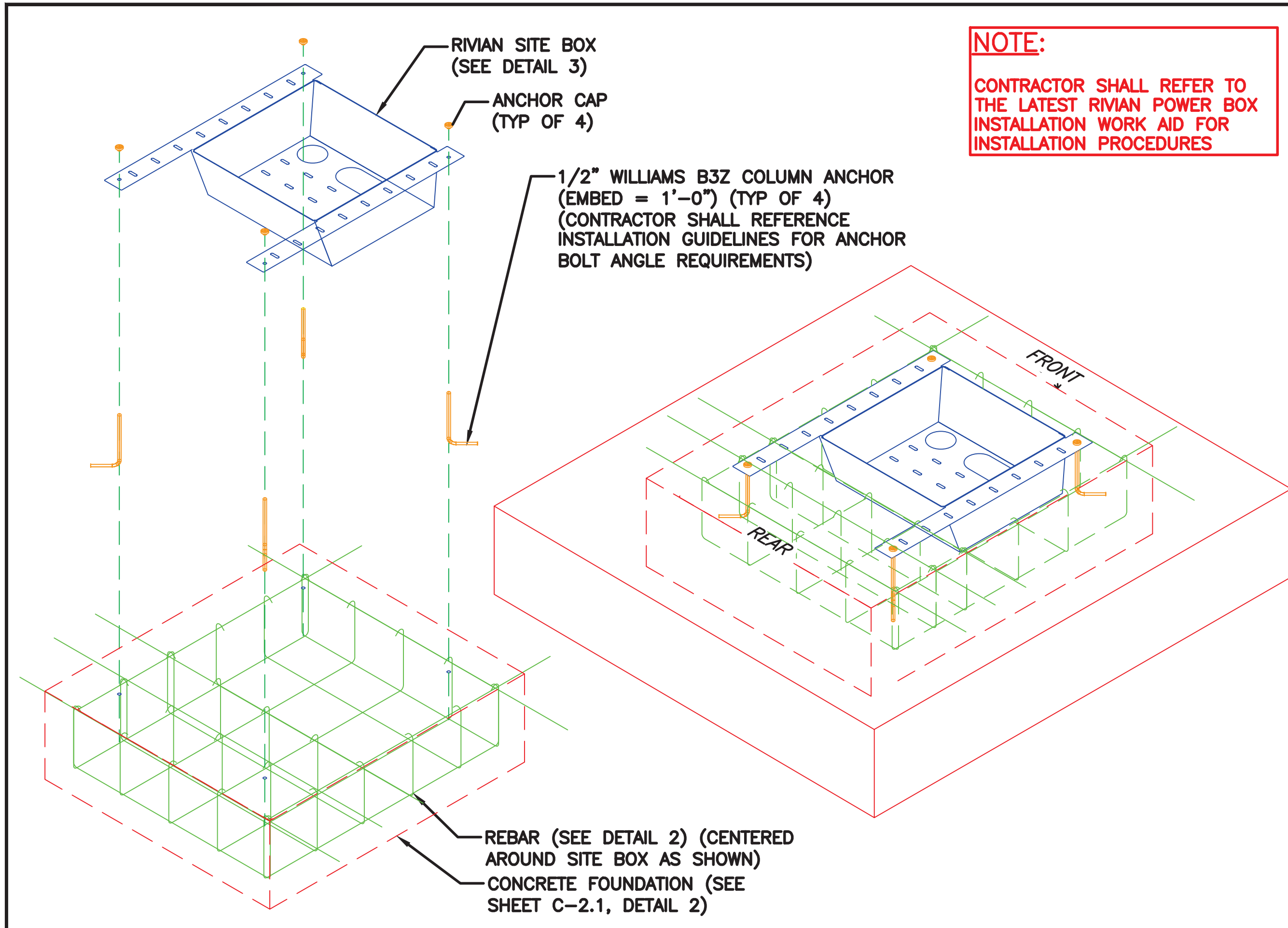
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TRANSVERSE STRIPING DETAIL 6

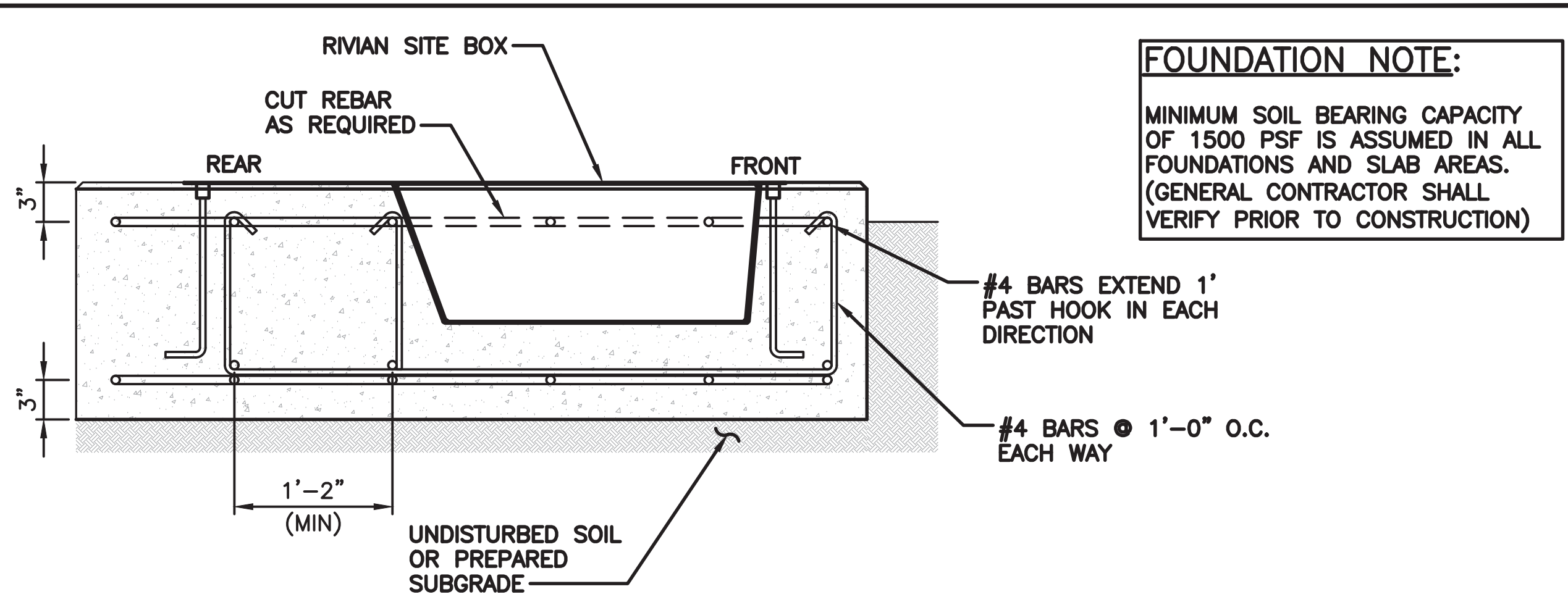
SWITCHBOARD ANCHORAGE DETAIL 5

ASPHALT REPAIR DETAIL 4

DETAIL NOT USED 3



NOTE:
CONTRACTOR SHALL REFER TO THE LATEST RIVIAN POWER BOX INSTALLATION WORK AID FOR INSTALLATION PROCEDURES



FOUNDATION NOTE:
MINIMUM SOIL BEARING CAPACITY OF 1500 PSF IS ASSUMED IN ALL FOUNDATIONS AND SLAB AREAS. (GENERAL CONTRACTOR SHALL VERIFY PRIOR TO CONSTRUCTION)

- NOTES:**
1. FOUNDATION AREA SHALL BE EXCAVATED TO THE DEPTH AND DIMENSIONS SHOWN ON THE PLANS. OTHER UNSUITABLE MATERIAL SHALL BE REMOVED AND LEGALLY DISPOSED OF OFF-SITE. THE SUBGRADE SHALL BE ROLLED WITH A 1-TON, VIBRATORY, WALK-BEHIND ROLLER AT A SPEED OF LESS THAN 2 FPS, 6 PASSES MINIMUM, TO PROVIDE UNYIELDING SURFACE.
 2. UNDERCUT SOFT OR "WEAVING" AREAS A MINIMUM OF 1'-0" DEEP. BACKFILL UNDERCUT AREA WITH FILL MEETING THE SPECIFICATIONS OF STRUCTURAL FILL.
 3. REINFORCING BAR TO BE ASTM A615 GRADE 60.
 4. ALL REINFORCING TO HAVE MINIMUM CONCRETE COVER PER ACI SPECIFICATIONS.
 5. ALL CONCRETE MATERIALS AND PROFESSIONAL TECHNIQUES SHALL CONFORM TO ACI 318-14 AND APPLICABLE STATE BUILDING CODE.
 6. 100% TIES FOR REBAR OVERLAP. NO COLD JOINTS SHALL BE PERMITTED.
 7. CONTRACTOR SHALL INSTALL 1/8" STEEL DIAMOND PLATE TO COVER ALL SITE BOXES FOR FUTURE POWER CABINETS. BOLT PLATE IN PLACE USING BOLT HOLES.

STAMP:

ENGINEERING LICENSE:

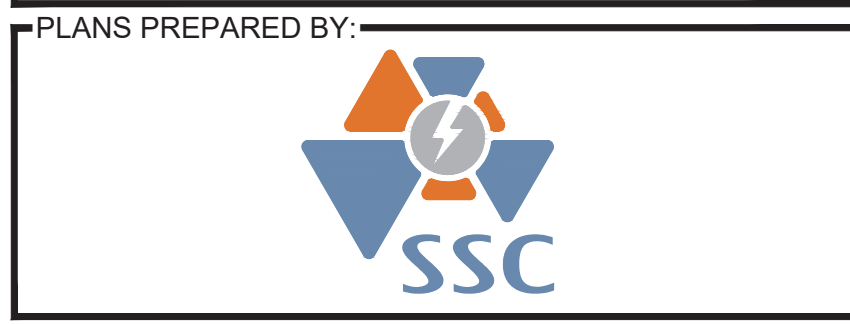
STATE OF OKLAHOMA

PE CERTIFICATE OF AUTHORIZATION # 3268PE

ENGINEER:	PE#:	DISCIPLINE:	
REJ ROBERT E. JENSEN	30773	CIVIL	C
SDK SHELTON D. KEISLING	17982	ELECTRICAL	EE
TMS TERRANCE M. SUPER	18027	ELECTRICAL	EE

PLANS PREPARED FOR:

PLANS PREPARED BY:



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ISSUED FOR REVIEW	10/10/24	IBA	B
ISSUED FOR PERMITTING	10/23/24	IBA	0

APPLICANT SITE NAME:

OKLAHOMA CITY

SSC SITE NUMBER:

OK-00002

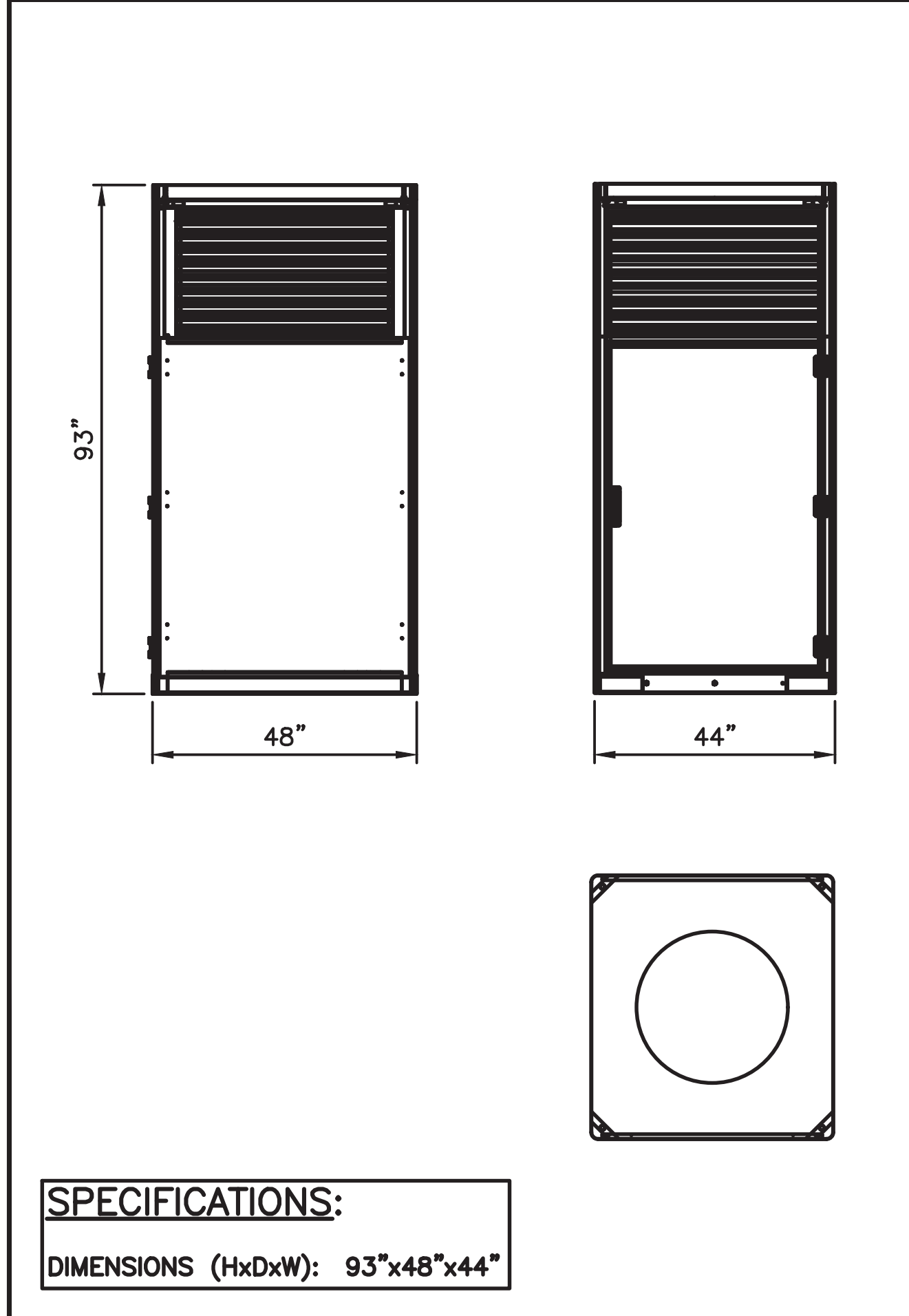
SITE ADDRESS:

7624 W RENO AVE, STE. EV
OKLAHOMA CITY, OK 73127

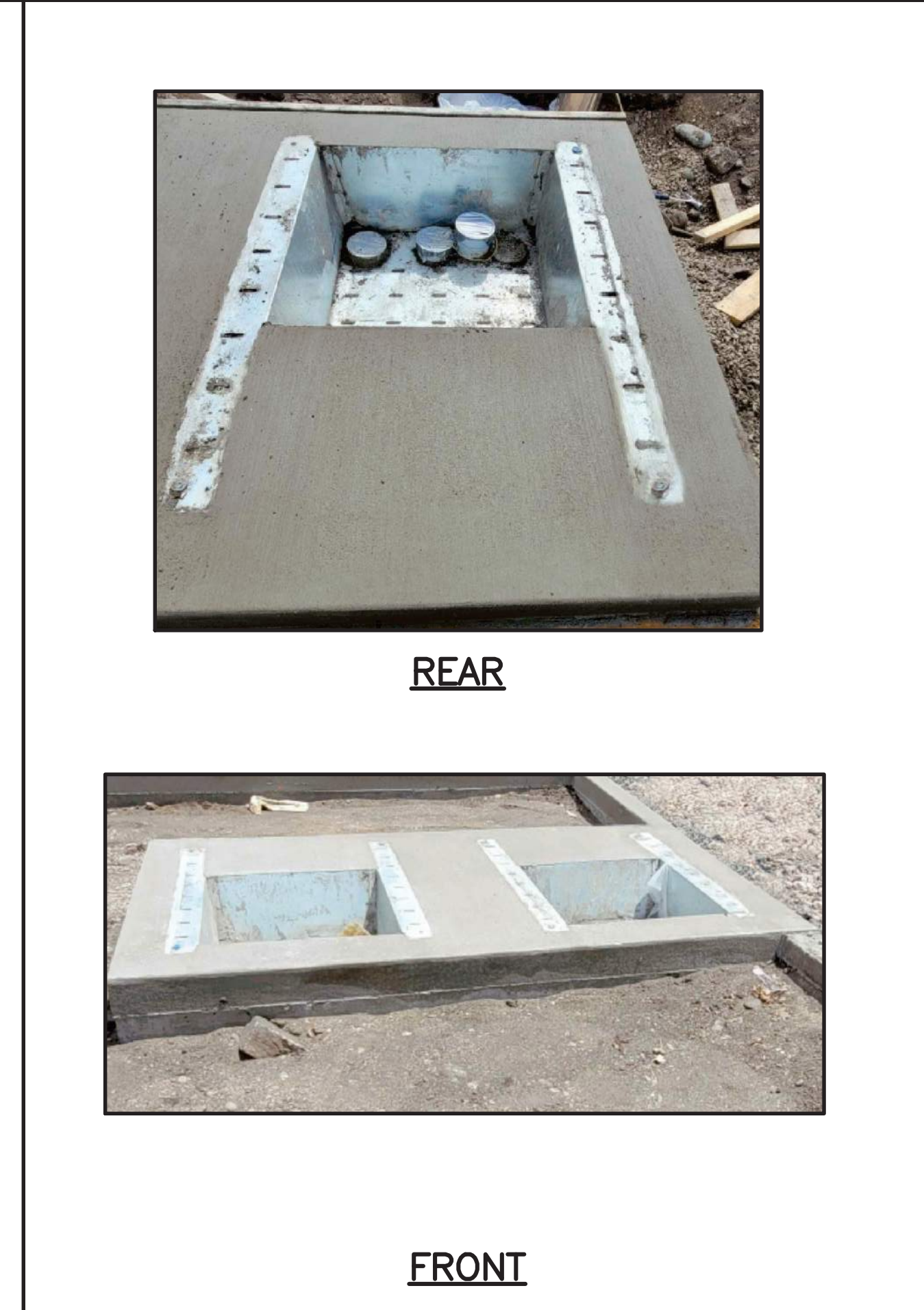
SHEET DESCRIPTION:	SHEET #:
EQUIPMENT DETAILS (3 OF 5)	C-3.2

RIVIAN POWER CABINET SITE BOX ISOMETRIC DETAIL 1

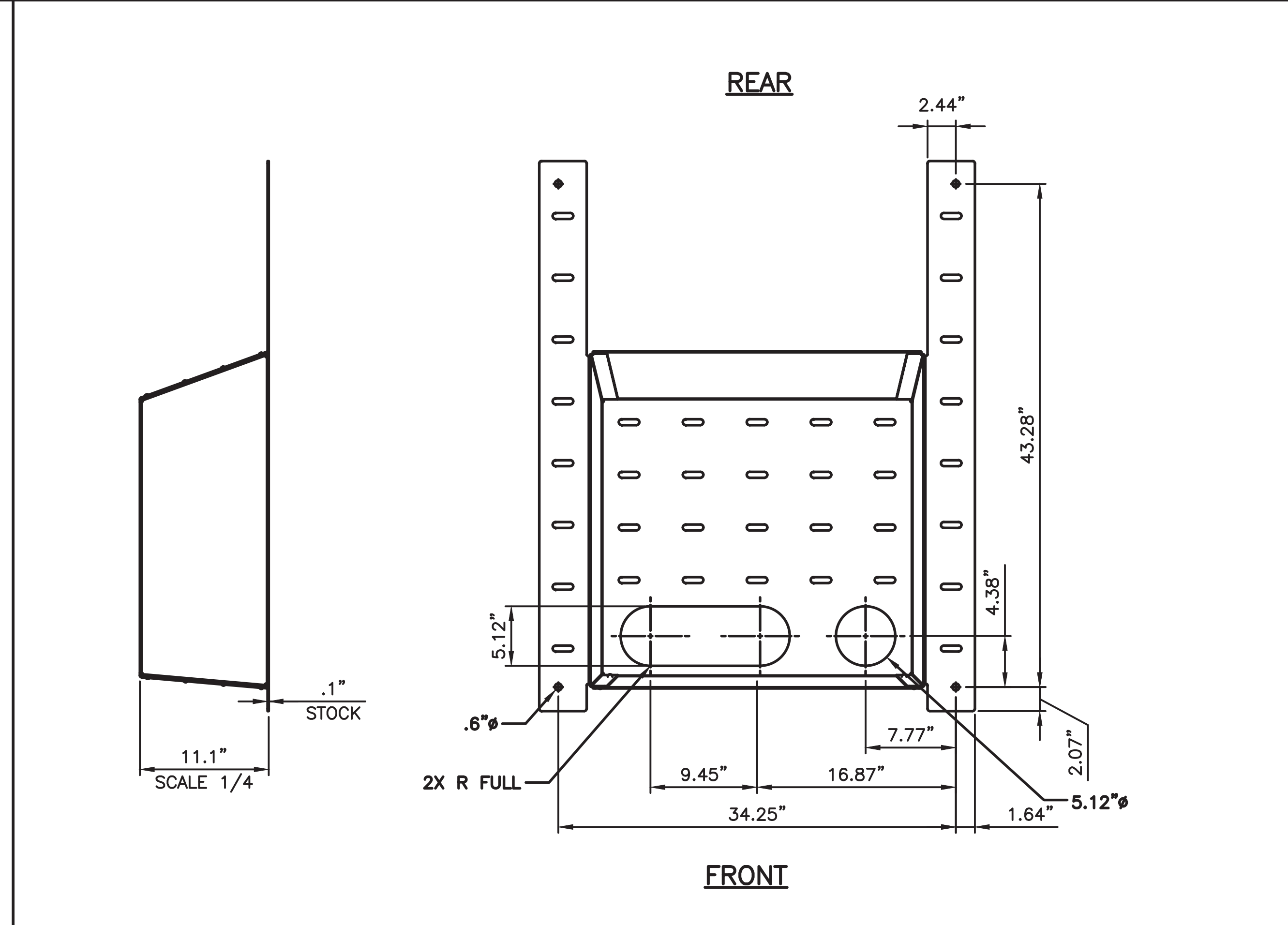
POWER CABINET EQUIPMENT PAD DETAIL 2



SPECIFICATIONS:
DIMENSIONS (HxDxW): 93"x48"x44"

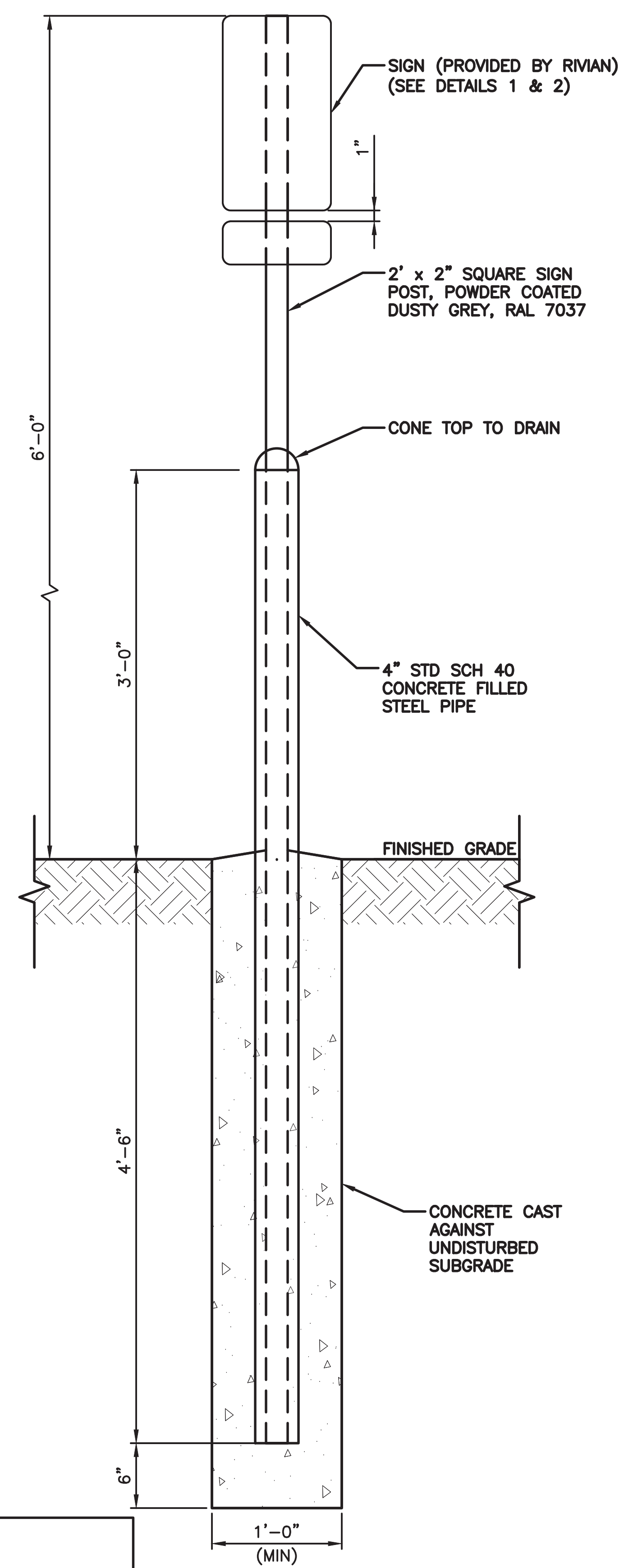


RIVIAN SITE BOX PHOTOS 4



RIVIAN POWER CABINET SITE BOX DETAIL 3

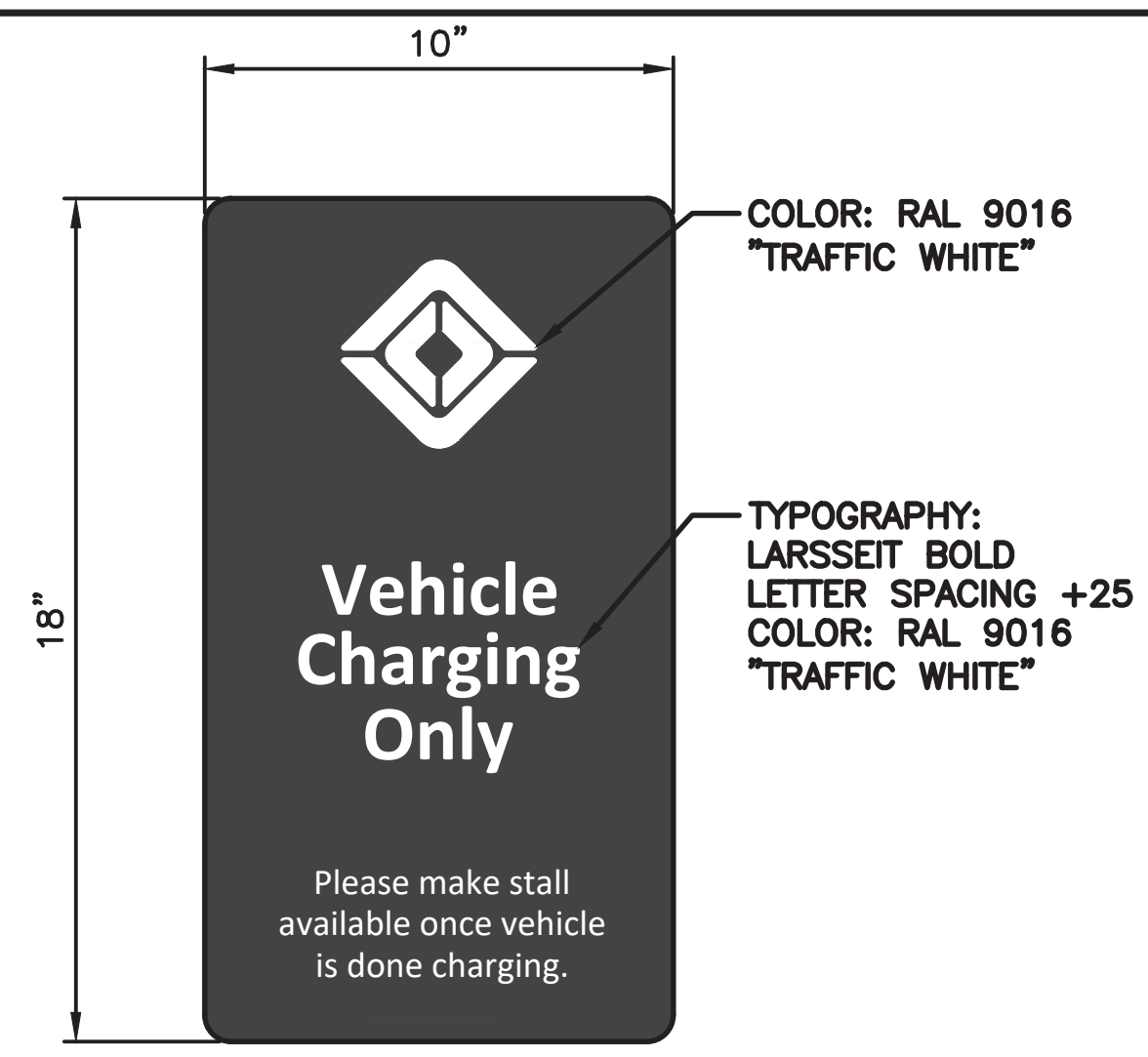
POWER CABINET DETAIL 5



SPECIFICATIONS:
 MATERIAL: STEEL
 FINISH: POWDER COATED - SEMI GLOSS
 COLORING: DUSTY GREY, RAL 7037

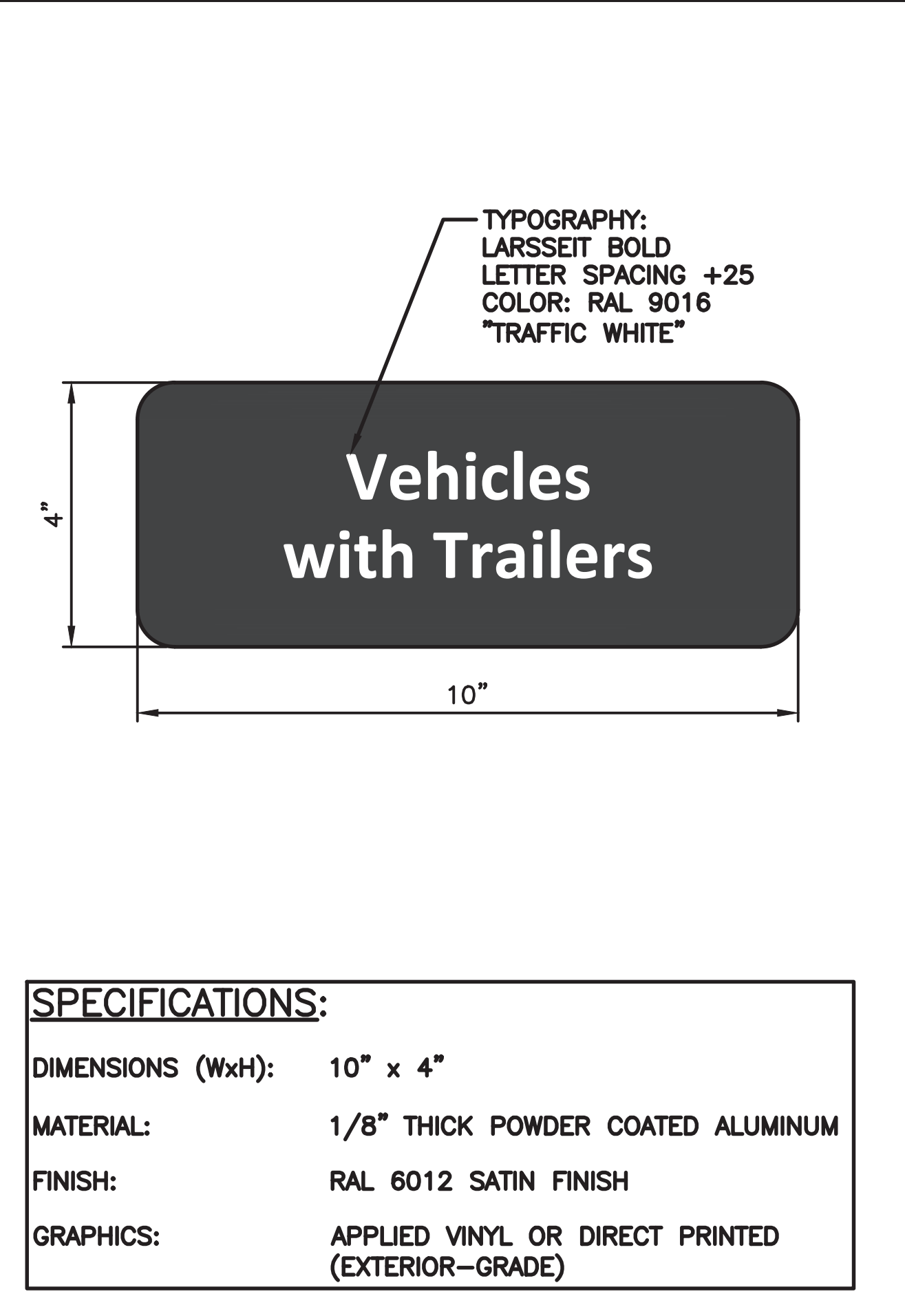
2-IN-1 BOLLARD DETAIL

5



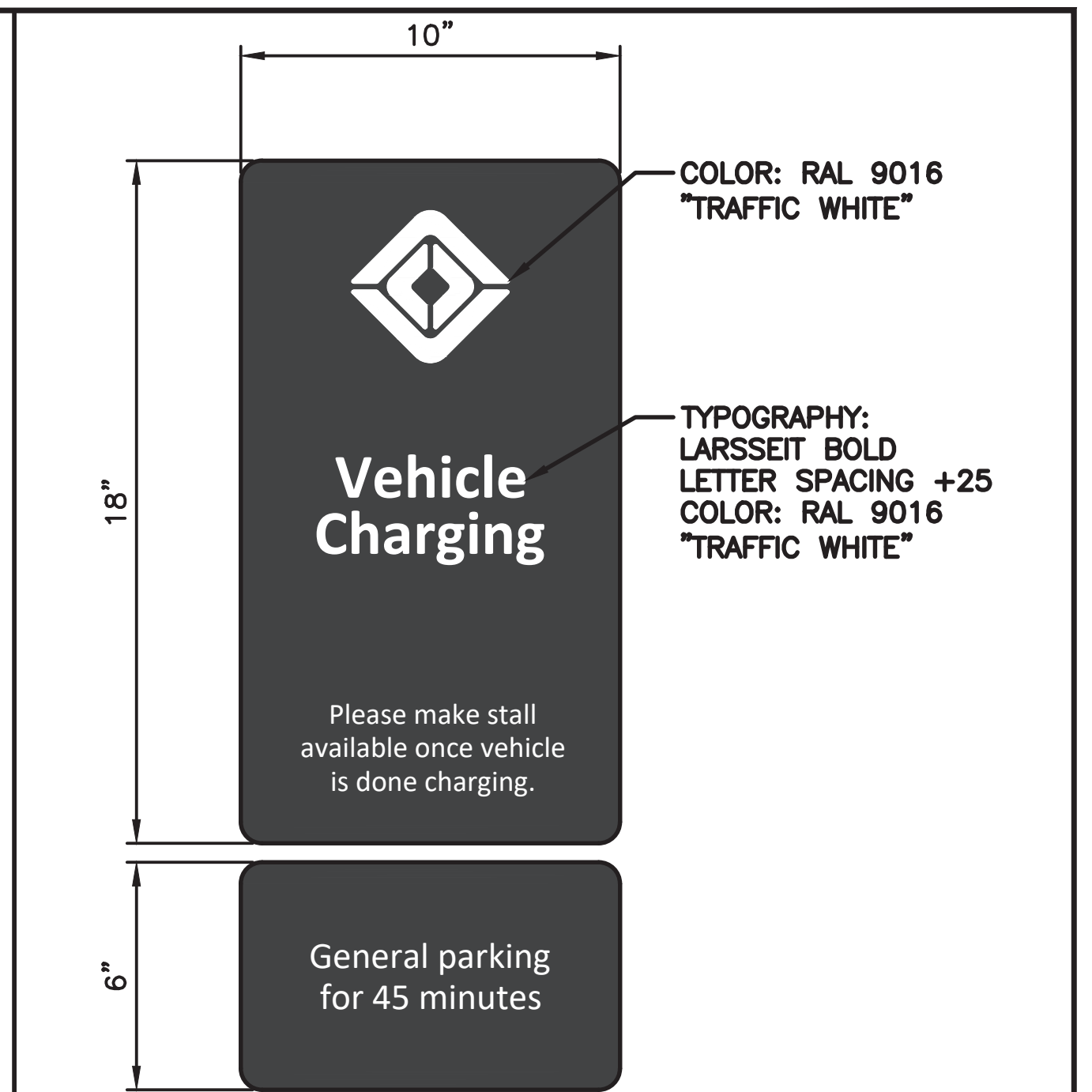
SPECIFICATIONS:
 DIMENSIONS (WxH): 10" x 18"
 MATERIAL: 1/8" THICK POWDER COATED ALUMINUM
 FINISH: RAL 6012 SATIN FINISH
 GRAPHICS: APPLIED VINYL OR DIRECT PRINTED (EXTERIOR-GRADE)

DEDICATED DISPENSER SIGN DETAIL 1



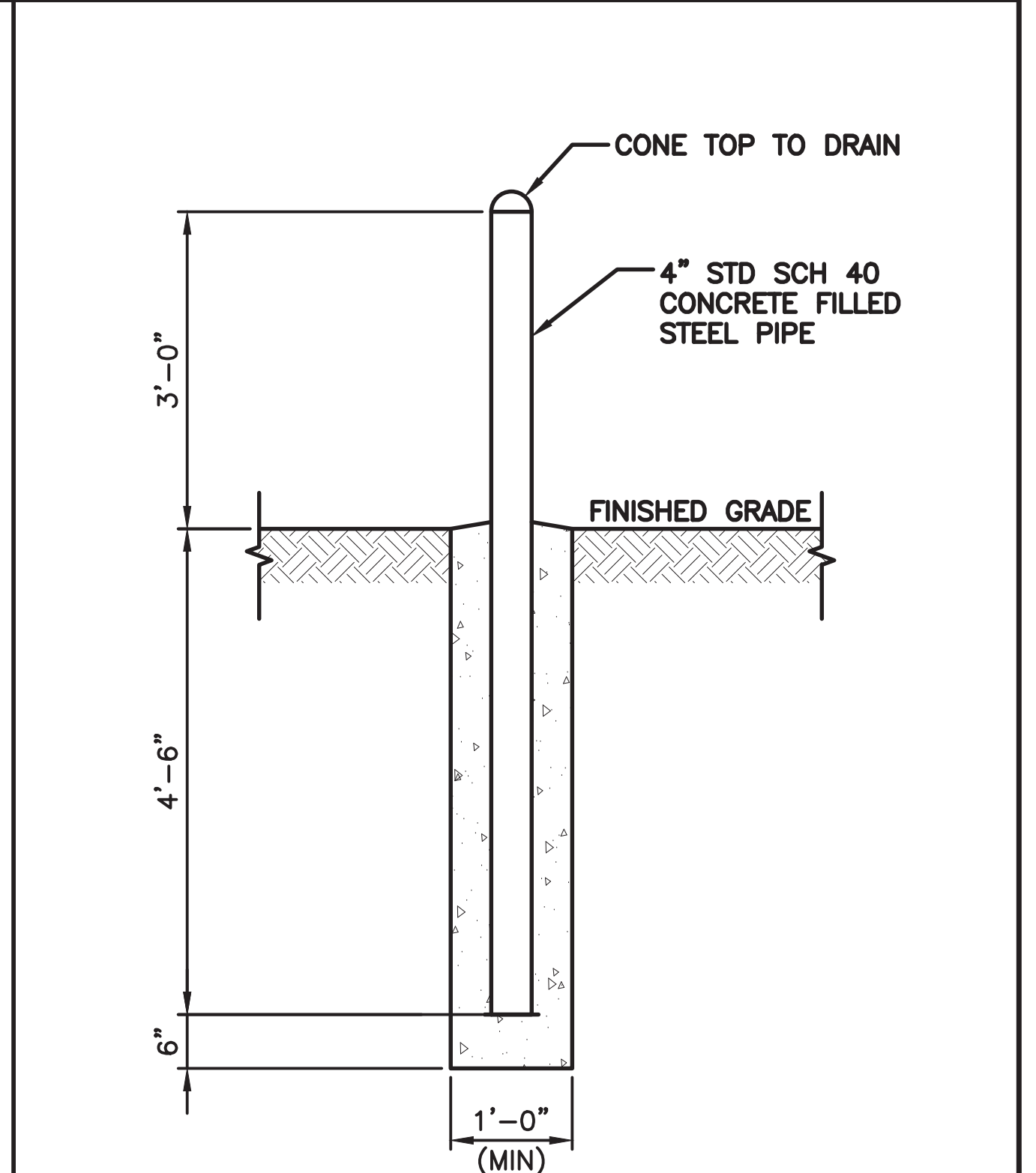
SPECIFICATIONS:
 DIMENSIONS (WxH): 10" x 4"
 MATERIAL: 1/8" THICK POWDER COATED ALUMINUM
 FINISH: RAL 6012 SATIN FINISH
 GRAPHICS: APPLIED VINYL OR DIRECT PRINTED (EXTERIOR-GRADE)

TRAILER ACCESSIBLE SIGN DETAIL 4



SPECIFICATIONS:
 DIMENSIONS (WxH): 10" x 18" & 10" x 6"
 MATERIAL: 1/8" THICK POWDER COATED ALUMINUM
 FINISH: RAL 6012 SATIN FINISH
 GRAPHICS: APPLIED VINYL OR DIRECT PRINTED (EXTERIOR-GRADE)

ENABLED DISPENSER SIGN DETAIL 2



SPECIFICATIONS:
 MATERIAL: STEEL
 FINISH: POWDER COATED - SEMI GLOSS
 COLORING: DUSTY GREY, RAL 7037

BOLLARD POST MOUNT DETAIL 3

STAMP:

ENGINEERING LICENSE:
 STATE OF OKLAHOMA
 PE CERTIFICATE OF AUTHORIZATION # 3268PE
 ENGINEER: ROBERT E. JENSEN 30773
 DISCIPLINE: CIVIL
 REJ: ROBERT E. JENSEN 30773
 TMS: TERRANCE M. SUPER 18027

PLANS PREPARED FOR:



PLANS PREPARED BY:

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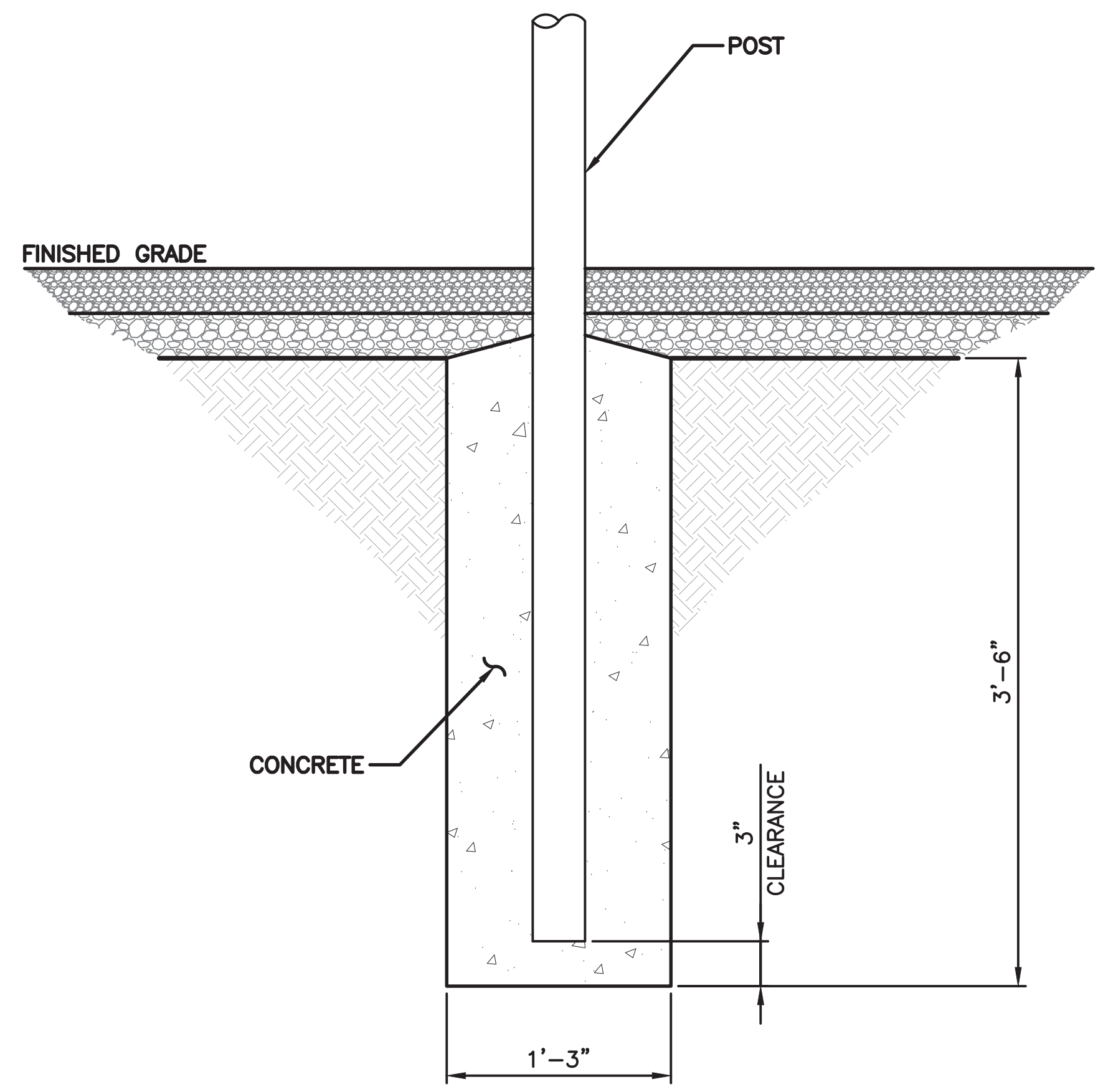
APPLICANT SITE NAME:
 OKLAHOMA CITY

SSC SITE NUMBER:
 OK-00002

SITE ADDRESS:
 7624 W RENO AVE, STE. EV
 OKLAHOMA CITY, OK 73127

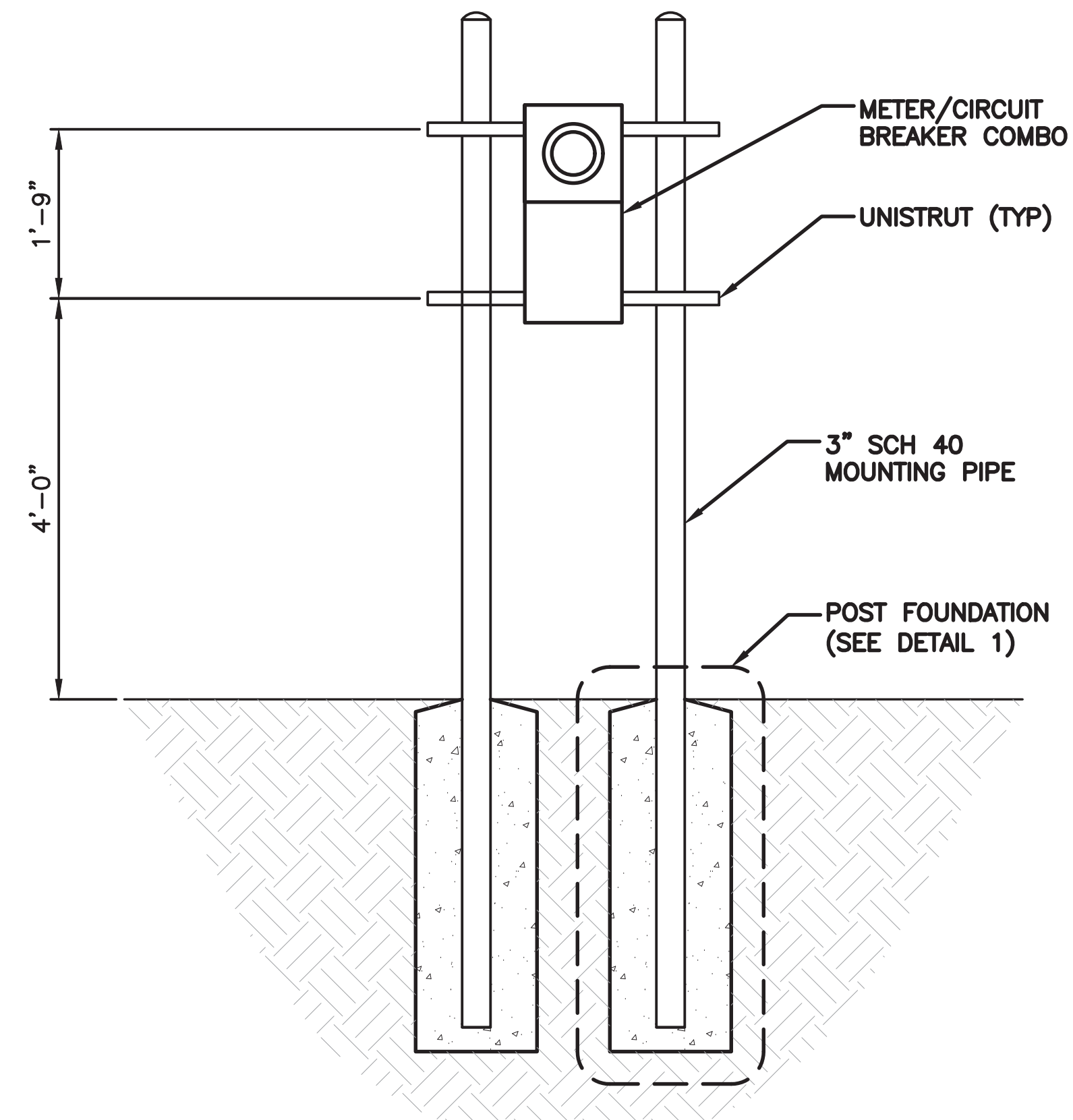
SHEET DESCRIPTION:
 EQUIPMENT DETAILS (4 OF 5)

SHEET #:
 C-3.3



POST FOUNDATION DETAIL

1



UTILITY METER H-FRAME DETAIL

2

DETAIL NOT USED

4

DETAIL NOT USED

3

STAMP:

ENGINEERING LICENSE:

STATE OF OKLAHOMA

PE CERTIFICATE OF AUTHORIZATION # 3268PE

ENGINEER:	PE#:	DISCIPLINE:	
REJ ROBERT E. JENSEN 30773		CIVIL	C
SDK SHELTON D. KEISLING 17982		ELECTRICAL	EE
TMS TERRANCE M. SUPER 18027		ELECTRICAL	EE

PLANS PREPARED FOR:



PLANS PREPARED BY:



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ISSUED FOR PERMITTING	10/23/24	IBA	0

APPLICANT SITE NAME:

OKLAHOMA CITY

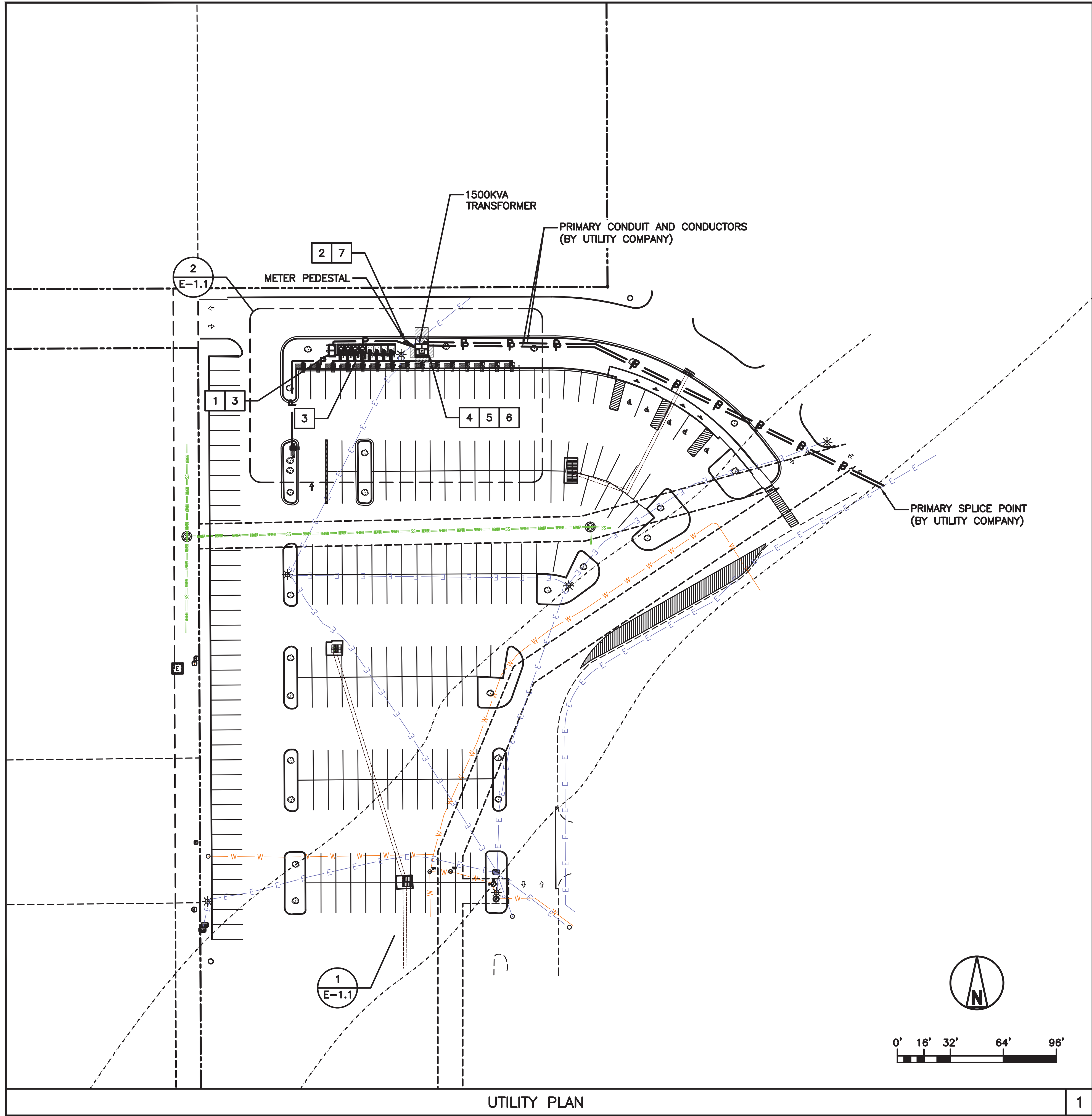
SSC SITE NUMBER:

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OKLAHOMA CITY, OK 73127

SHEET DESCRIPTION:	SHEET #:
EQUIPMENT DETAILS (5 OF 5)	C-3.4



GENERAL NOTES:

1. RIVIAN CONTRACTOR TO REFERENCE DETAILS OF OG&E UTILITY DESIGN AND SPECIFICATIONS.
2. RIVIAN CONTRACTOR TO INSTALL ALL CONDUITS, CONDUCTORS, AND EQUIPMENT PAST THE METER.
3. RIVIAN CONTRACTOR TO COORDINATE ALL INSPECTIONS AND PERMITS WITH THE CITY OF OKLAHOMA CITY.

KEYED NOTES:

- 1 RIVIAN GC TO PROVIDE AND INSTALL THE SWITCHBOARD AND CONCRETE PAD.
- 2 RIVIAN GC TO PROVIDE AND INSTALL 1" CONDUIT AND CONDUCTORS FROM THE NEW PAD MOUNTED TRANSFORMER TO THE NEW METER PEDESTAL.
- 3 RIVIAN GC TO PROVIDE AND INSTALL (12) 4" CONDUITS AND CONDUCTORS 4' DEEP FROM THE NEW SWITCHBOARD TO THE NEW PAD MOUNTED TRANSFORMER.
- 4 OG&E TO INSTALL CONCRETE PAD FOR NEW PAD MOUNTED TRANSFORMER.
- 5 OG&E TO INSTALL A NEW 1500KVA PAD MOUNTED TRANSFORMER.
- 6 OG&E TO PROVIDE AND INSTALL THE CT'S INSIDE THE NEW PAD MOUNTED TRANSFORMER.
- 7 OG&E TO SET THE NEW METER AND ENERGIZE THE SITE UPON PASSING INSPECTION.

STAMP:

Professional Engineer Seal for Shelton Douglas Keisling, License No. 17982, State of Oklahoma. The seal is circular with the text 'LICENSED PROFESSIONAL ENGINEER' around the perimeter and 'SHELTON DOUGLAS KEISLING 17982' in the center. Below the seal is the name 'Shelton Douglas Keisling' and the license number '17982'.

ENGINEERING LICENSE:
STATE OF OKLAHOMA

PE CERTIFICATE OF AUTHORIZATION # 3268PE

ENGINEER:	PE#:	DISCIPLINE:	
REJ ROBERT E. JENSEN	30773	CIVIL	C
SDK SHELTON D. KEISLING	17982	ELECTRICAL	E
TMS TERRANCE M. SUPER	18027	ELECTRICAL	E

PLANS PREPARED FOR:

PLANS PREPARED BY:

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APPLICANT SITE NAME:
OKLAHOMA CITY

SSC SITE NUMBER:
OK-00002

SITE ADDRESS:
**7624 W RENO AVE, STE. EV
OKLAHOMA CITY, OK 73127**

SHEET DESCRIPTION: UTILITY PLAN	SHEET #: E-1.0
---	--------------------------

PARKING STALL LEGEND	
DESCRIPTION	SYMBOL
PROPOSED DCFC DISPENSER	#

GENERAL NOTE:
CONTRACTOR TO REFERENCE CONSTRUCTION STANDARDS & UTILITY DESIGN OF OG&E.

- GENERAL NOTES:**
1. CONTRACTOR TO CAP, BURY AND DOCUMENT PLACEMENT OF PROPOSED CONDUITS FOR FUTURE STALLS.
 2. PROPOSED CONDUIT ROUTING IS SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. CONTRACTOR TO ROUTE CONDUITS PER CODE AND FIELD CONDITIONS.

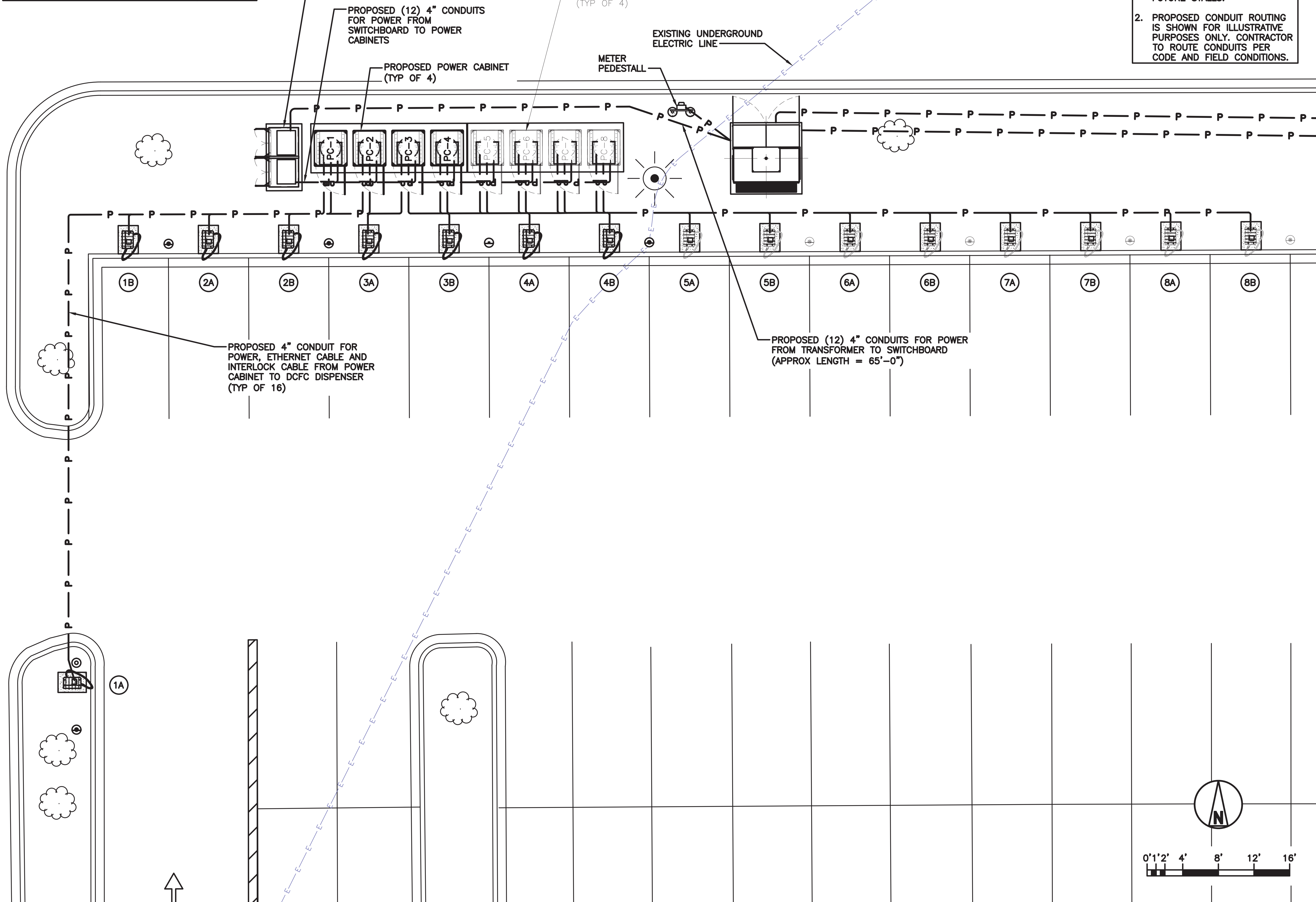
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ENGINEERING LICENSE:

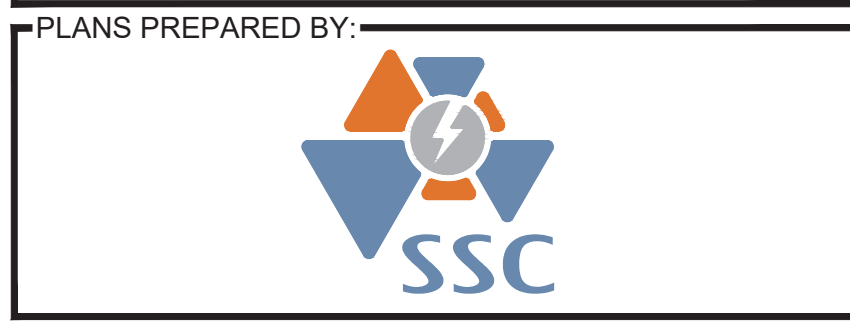
STATE OF OKLAHOMA

PE CERTIFICATE OF AUTHORIZATION # 3268PE

ENGINEER:	PE#:	DISCIPLINE:	
REJ ROBERT E. JENSEN	30773	CIVIL	C
SDK SHELTON D. KEISLING	17982	ELECTRICAL	EE
TMS TERRANCE M. SUPER	18027	ELECTRICAL	EE



PLANS PREPARED FOR:



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APPLICANT SITE NAME:

OKLAHOMA CITY

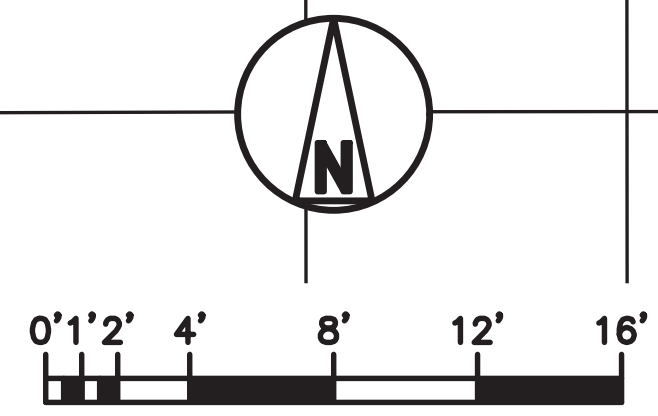
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OK-00002

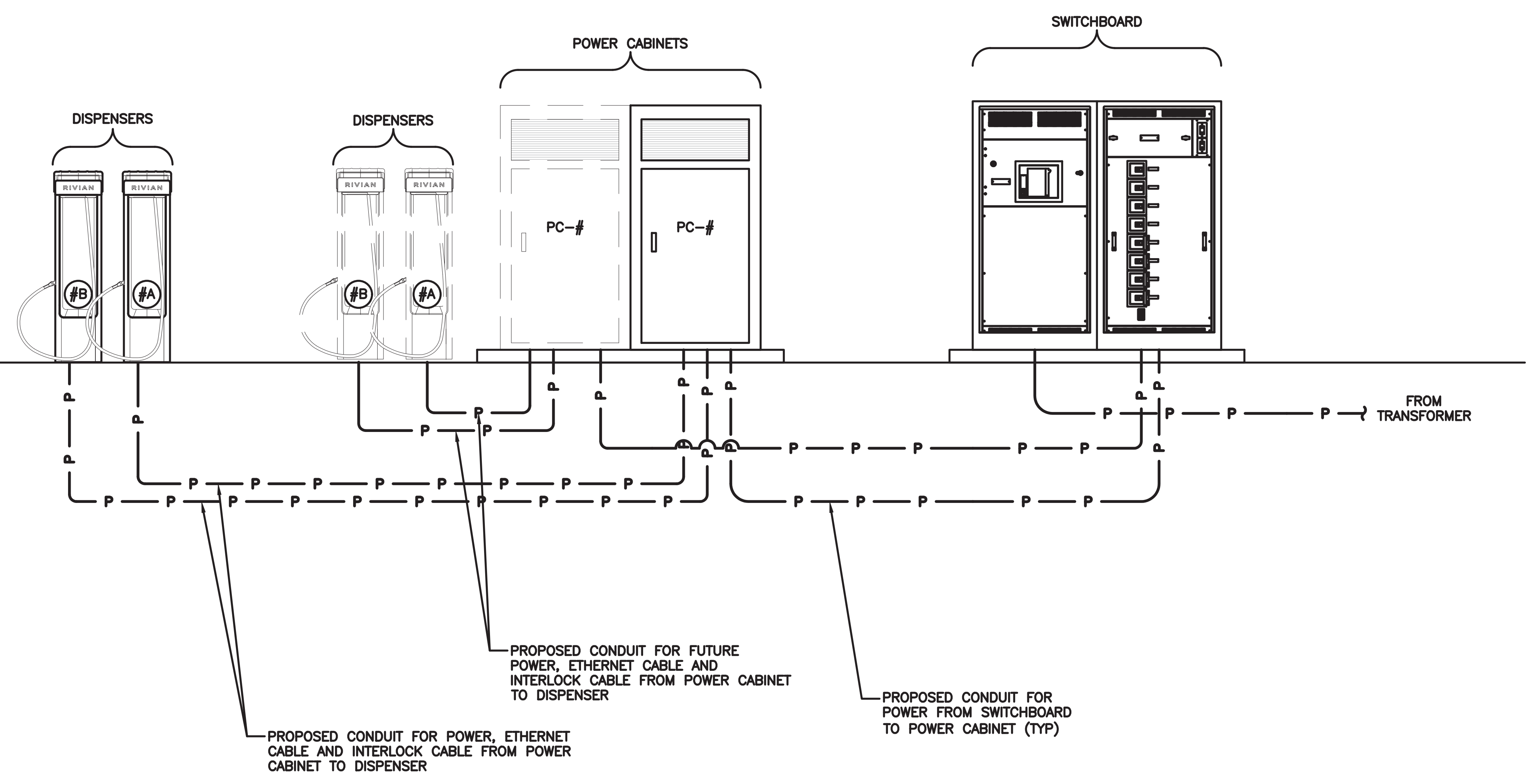
SITE ADDRESS:

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OKLAHOMA CITY, OK 73127

SHEET DESCRIPTION:	SHEET #:
RIVIAN UTILITY PLAN	E-1.1



GENERAL NOTE:
SEE ONE-LINE DIAGRAM ON SHEET E-2.1 FOR ADDITIONAL INFORMATION.



STAMP:

ENGINEERING LICENSE:
STATE OF OKLAHOMA
PE CERTIFICATE OF AUTHORIZATION # 3268PE
ENGINEER: PE#: DISCIPLINE:
REJ ROBERT E. JENSEN 30773 CIVIL C
SDK SHELTON D. KEISLING 17982 ELECTRICAL
TMS TERRANCE M. SUPER 18027 ELECTRICAL ETE

PLANS PREPARED FOR:

PLANS PREPARED BY:

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APPLICANT SITE NAME:
OKLAHOMA CITY

SSC SITE NUMBER:
OK-00002

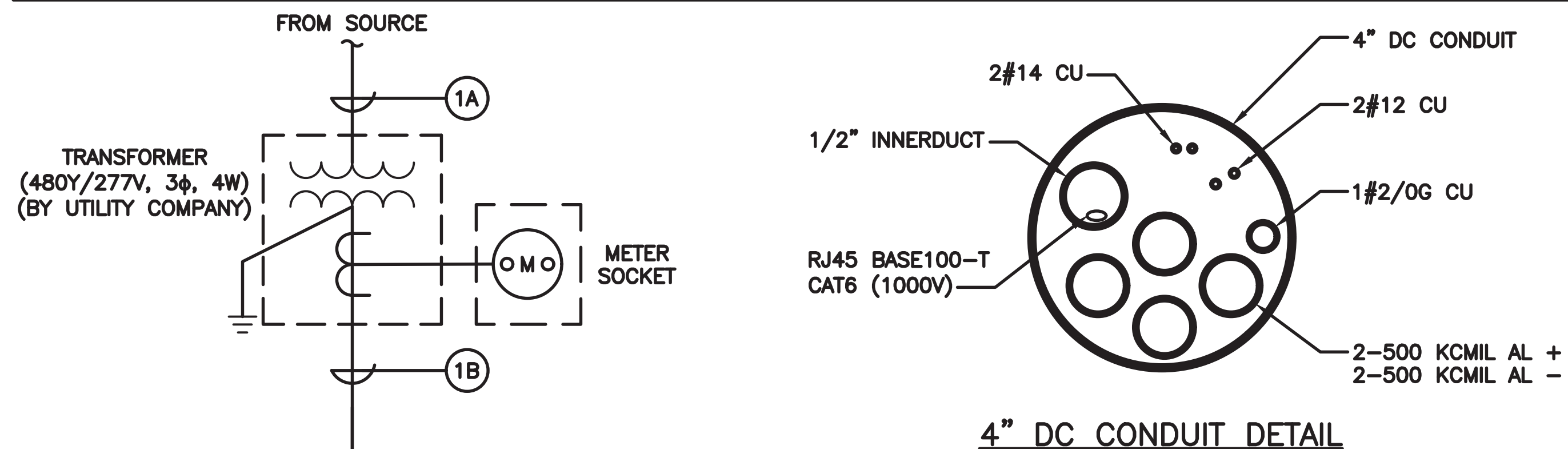
SITE ADDRESS:
**7624 W RENO AVE, STE. EV
OKLAHOMA CITY, OK 73127**

SHEET DESCRIPTION: **RIVIAN RISER DIAGRAM** SHEET #: **E-2.0**

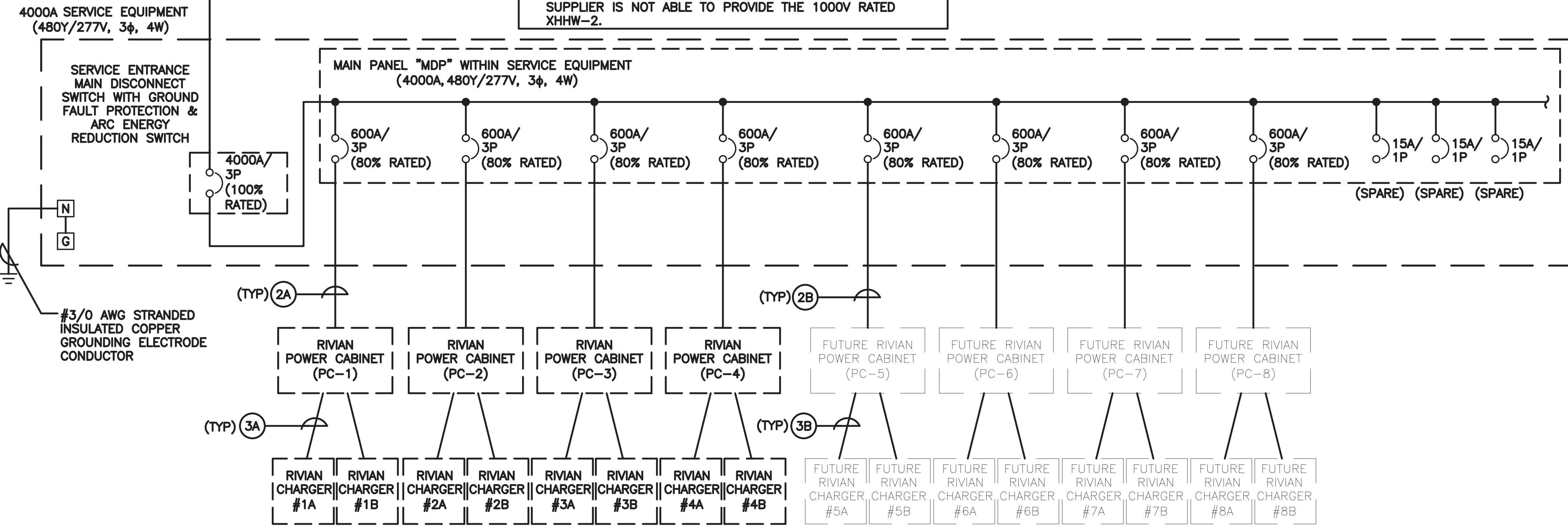
GENERAL NOTES:

- PROPOSED UTILITY CT'S SHALL BE LOCATED IN UTILITY APPROVED CT COMPARTMENTS MOUNTED IN TRANSFORMER. PROPOSED METER SHALL BE MOUNTED ON METER PEDESTAL.
- WIRE AND CABLE SHALL BE 1000V, XLPE TYPE XHHW-2, UNLESS OTHERWISE INDICATED
- ALL ALUMINUM CONDUCTORS SHALL BE TREATED WITH AN ANTI-OXIDATIVE COATING DURING INSTALLATION. ALL OTHER CONDUCTORS SHALL BE COPPER UNLESS NOTED OTHERWISE.
- ALL CONDUITS ACCESSIBLE TO THE GENERAL PUBLIC OR WHICH ARE SUSCEPTIBLE TO CAN BE DAMAGE SHALL BE RIGID GALVANIZED STEEL.
- ALL ELECTRICAL EQUIPMENT SHALL BE LABELED, LISTED, OR CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LABORATORY ACCREDITED BY THE UNITED STATES OCCUPATIONAL SAFETY HEALTH ADMINISTRATION.
- 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.
 - INTERLOCK THAT DE-ENERGIZES THE ELECTRIC VEHICLE CONNECTOR WHENEVER THE ELECTRICAL CONNECTOR IS UNCOUPLED FROM THE ELECTRIC VEHICLE.
 - AUTOMATIC DE-ENERGIZATION OF CHARGING POST CABLE UPON EXPOSURE TO STRAIN.

NO.	FROM	TO	CONFIGURATION	FUNCTION
1A	SOURCE	TRANSFORMER	(BY UTILITY COMPANY)	PRIMARY
1B	TRANSFORMER	SWITCHBOARD	(12) SETS OF 4-600 KCMIL ALUMINUM, EACH IN 4" PVC CONDUIT	SERVICE LATERAL
2A	SWITCHBOARD	POWER CABINET	(2) SETS OF 3-500 KCMIL AL, 1#1 COPPER GND, 4" PVC CONDUIT	POWER FEEDER TO POWER CABINETS
2B	SWITCHBOARD	FUTURE POWER CABINET	FUTURE (2) SETS OF 3-500 KCMIL AL, 1#1 COPPER GND, 4" PVC CONDUIT (INSTALL CONDUIT W/ MULE TAPE ONLY)	FUTURE POWER FEEDER TO FUTURE POWER CABINET
3A	POWER CABINET	DISPENSER	4-500 KCMIL AL, 1#2/0G CU, 2#12 CU, (1) RJ45 BASE100-T ETHERNET CABLE (SEE NOTE 1), AND 2#14 CU INTERLOCK WIRE IN 4" PVC CONDUIT	DC POWER FEEDER, COMMUNICATIONS CABLE, INTERLOCK CABLE, AND POWER CABLE TO DISPENSERS
3B	FUTURE POWER CABINET	FUTURE DISPENSER	4-500 KCMIL AL, 1#2/0G CU, 2#12 CU, (1) RJ45 BASE100-T ETHERNET CABLE (SEE NOTE 1), AND 2#14 CU INTERLOCK WIRE IN 4" PVC CONDUIT (INSTALL CONDUIT W/ MULE TAPE ONLY)	FUTURE DC POWER FEEDER, COMMUNICATIONS CABLE, INTERLOCK CABLE, AND POWER CABLE TO DISPENSERS



- NOTES:**
- RIVIAN ETHERNET CABLE WILL BE 1000V RATED XHHW-2 INSTALLED WITHIN 1/2" INNERDUCT IN THE 4" DC CONDUIT. (SEE 4" DC CONDUIT DETAIL)
 - ALL WIRES IN 4" DC CONDUIT TO BE 1000V RATED XHHW-2.
 - CONTRACTOR TO CONTACT GENERAL CABLE IF CURRENT SUPPLIER IS NOT ABLE TO PROVIDE THE 1000V RATED XHHW-2.



STAMP:

ENGINEERING LICENSE:
STATE OF OKLAHOMA
PE CERTIFICATE OF AUTHORIZATION # 3268PE
ENGINEER: REJ ROBERT E. JENSEN PE#: 30773 DISCIPLINE: CIVIL C
SKJ SHELTON D. KEISLING 17982 ELECTRICAL ELECTRICAL
TMS TERRANCE M. SUPER 18027 ELECTRICAL ELECTRICAL

PLANS PREPARED FOR:

PLANS PREPARED BY:

DRAWING NOTICE:
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APPLICANT SITE NAME:
OKLAHOMA CITY

SSC SITE NUMBER:
OK-00002

SITE ADDRESS:
7624 W RENO AVE, STE. EV
OKLAHOMA CITY, OK 73127

SHEET DESCRIPTION:
ELECTRICAL ONE-LINE DIAGRAM

SHEET #:
E-2.1

- PANELBOARD NOTES:**
- PANELBOARD IS LOCATED WITHIN PROPOSED SERVICE EQUIPMENT AND IS PROVIDED AND INSTALLED BY MANUFACTURER.
 - PROVIDE EQUIPMENT WITH SUFFICIENT INTERRUPTING CAPACITY (AIC) REQUIRED FOR A SAFE INSTALLATION. AIC RATING NOTED ON EACH PANELBOARD SCHEDULE IS MINIMUM RATING ACCEPTED WITHOUT ADDITIONAL DOCUMENTATION THAT INDICATES OTHERWISE.
 - CIRCUITS SHALL BE REARRANGED AS REQUIRED TO MAINTAIN THE MOST BALANCED LOADS ON EACH PHASE WITHIN EACH PANEL. PROVIDE TYPED PANEL DIRECTORY MOUNTED PER MANUFACTURER'S RECOMMENDATIONS.

STAMP:

ENGINEERING LICENSE:
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 PE CERTIFICATE OF AUTHORIZATION # 3268PE
 ENGINEER: PE#: DISCIPLINE:
 REJ ROBERT E. JENSEN 30773 CIVIL C
 SDK SHELTON D. KEISLING 17982 ELECTRICAL E
 TMS TERRANCE M. SUPER 18027 ELECTRICAL E

PANEL "MDP"												
480Y/277V, 3Ø, 4W												
DESCRIPTION	PHASE A KW	PHASE B KW	PHASE C KW	CKT BKR/ POLES	A	B	C	CKT BKR/ POLES	PHASE A KW	PHASE B KW	PHASE C KW	DESCRIPTION
RIVIAN POWER CABINET	124.15			600A/3P				600A/3P	124.15			FUTURE RIVIAN POWER CABINET
RIVIAN POWER CABINET		124.15		600A/3P				600A/3P		124.15		FUTURE RIVIAN POWER CABINET
RIVIAN POWER CABINET			124.15	600A/3P				600A/3P			124.15	FUTURE RIVIAN POWER CABINET
RIVIAN POWER CABINET	124.15			600A/3P				600A/3P	124.15			FUTURE RIVIAN POWER CABINET
RIVIAN POWER CABINET		124.15		600A/3P				600A/3P		124.15		FUTURE RIVIAN POWER CABINET
RIVIAN POWER CABINET			124.15	600A/3P				600A/3P			124.15	FUTURE RIVIAN POWER CABINET
RIVIAN POWER CABINET	124.15			600A/3P				600A/3P	124.15			FUTURE RIVIAN POWER CABINET
RIVIAN POWER CABINET		124.15		600A/3P				600A/3P		124.15		FUTURE RIVIAN POWER CABINET
RIVIAN POWER CABINET			124.15	600A/3P				600A/3P			124.15	FUTURE RIVIAN POWER CABINET
SPACE									15A/1P			
								15A/1P				SPARE
								15A/1P				SPARE
	496.60	496.60	496.60						496.60	496.60	496.60	
** CONNECTED					4000A/3P 100% RATED							
KW	993.20	993.20	993.20		FROM UTILITY TRANSFORMER							
AMPS	3586	3586	3586									
TOTAL KW	2979.60											
TOTAL AMPS	3586											

SPECIFICATIONS: SERVICE ENTRANCE RATED 4000A BUS, 65 KAIC, 100% RATED MCB, NEMA 3R ENCLOSURE

** THE SUM OF THE TOTAL CONNECTED LOADS (NONCONTINUOUS LOAD PLUS THE CONTINUOUS LOAD) TERMINATE IN AN OVERCURRENT DEVICE WHERE BOTH THE OVERCURRENT DEVICE AND ITS ASSEMBLY ARE LISTED FOR OPERATION AT 100% OF THEIR RATING.

PLANS PREPARED FOR:

PLANS PREPARED BY:

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ISSUED FOR REVIEW		10/10/24	IBA	B
ISSUED FOR PERMITTING		10/23/24	IBA	0

APPLICANT SITE NAME:
 OKLAHOMA CITY

SSC SITE NUMBER:
 OK-00002

SITE ADDRESS:
 7624 W RENO AVE, STE. EV
 OKLAHOMA CITY, OK 73127

SHEET DESCRIPTION: PANEL SCHEDULE
 SHEET #: E-2.2

RIVIAN
7624 W RENO AVE
SUITE EV

- NOTES:**
1. PLACE LABEL IN A VISIBLE LOCATION: SWITCHBOARD (METER COMPARTMENT)
 2. RED BACKGROUND, WHITE LETTERING
 3. TEXT: MIN. 3/8" AND 1/8" HEIGHT. ALL CAPITAL LETTERS ARIAL OR SIMILAR FONT, NON BOLD
 4. MATERIAL NOTE: ENGRAVED ON OUTDOOR-RATED PLASTIC LAMINATE WITH ADHESIVE BACKING SUITABLE FOR THE ENVIRONMENT

METER LABEL

1

RIVIAN EV SYSTEM DISCONNECT

- NOTES:**
1. PLACE LABEL IN A VISIBLE LOCATION: SWITCHBOARD
 2. RED BACKGROUND, WHITE LETTERING
 3. TEXT: MIN. 3/8" AND 1/8" HEIGHT. ALL CAPITAL LETTERS ARIAL OR SIMILAR FONT, NON BOLD
 4. MATERIAL NOTE: ENGRAVED ON OUTDOOR-RATED PLASTIC LAMINATE WITH ADHESIVE BACKING SUITABLE FOR THE ENVIRONMENT
 5. APPLICABLE NEC SECTIONS: NEC 110.22

MAIN CIRCUIT BREAKER LABEL

2

EQUIPMENT ID
POWER SUPPLIED FROM SOURCE OF POWER

- NOTES:**
1. PLACE LABEL IN A VISIBLE LOCATION: POWER CABINETS, SWITCHBOARDS, PANELS, AND METERING ENCLOSURES.
 2. BLACK BACKGROUND, WHITE LETTERING
 3. TEXT: MIN. 1/2" HEIGHT. ALL CAPITAL LETTERS ARIAL OR SIMILAR FONT, NON BOLD
 4. MATERIAL NOTE: ENGRAVED ON OUTDOOR-RATED PLASTIC LAMINATE WITH ADHESIVE BACKING SUITABLE FOR THE ENVIRONMENT
 5. APPLICABLE NEC SECTIONS: NEC 408.4(8)

EQUIPMENT IDENTIFICATION LABEL

3

DANGER!

ARC FLASH AND SHOCK HAZARD PRESENT
APPROPRIATE PPE REQUIRED

ARC FLASH BOUNDARY	[XX] ft	MIN. PPE REQUIREMENTS
INCIDENT ENERGY	[X.XX] cal/cm ²	[DESCRIPTION]
WORKING DISTANCE	[XX] in	[DESCRIPTION]
SHOCK HAZARD EXPOSURE	[XX]VAC	[DESCRIPTION]
INSULATING GLOVE CLASS	[XX]	[DESCRIPTION]
SHOCK HAZARD WHEN COVERS REMOVED	LIMITED	[DESCRIPTION]
APPROACH BOUNDARY	[X.X]ft	
RESTRICTED APPROACH BOUNDARY	[XX]ft	
EQUIPMENT:	[EQUIPMENT ID]	

CHANGES IN EQUIPMENT SETTINGS OR SYSTEM CONFIGURATIONS WILL INVALIDATE THE CALCULATED VALUES AND PPE REQUIREMENTS WHICH MAY RESULT IN A HAZARDOUS CONDITION.

- NOTES:**
1. TYPICAL LABEL SHOWN, ARC FLASH LABELS TO BE PROVIDED FOR ALL ELECTRICAL EQUIPMENT INCLUDING, SWITCHBOARD, PANELBOARDS, AND CHARGING CABINETS.
 2. 4"x4" LABEL MAY BE USED AN AN ALTERNATE
 3. "WARNING" HEADING FOR INCIDENT ENERGY < 40 CAL/CM²
"WARNING" HEADING FOR INCIDENT ENERGY > 40 CAL/CM²
 4. VALUES IN BRACKETS WILL BE UPDATED ACCORDING TO THE RESULTS OF THE ARC FLASH HAZARD ANALYSIS.
 5. PLACE LABEL ON EQUIPMENT DESIGNATED IN THE ARC FLASH HAZARD ANALYSIS
 6. LABELS SHALL BE PROVIDED IN PDF FORMAT TO CONTRACTOR
 7. MATERIAL: WEATHER AND UV RESISTANT VINYL WITH DURABLE ADHESIVE SUITABLE FOR THE ENVIRONMENT.
 8. APPLICABLE NEC SECTIONS: NEC 110.16

ARC FLASH HAZARD LABEL

6

WARNING

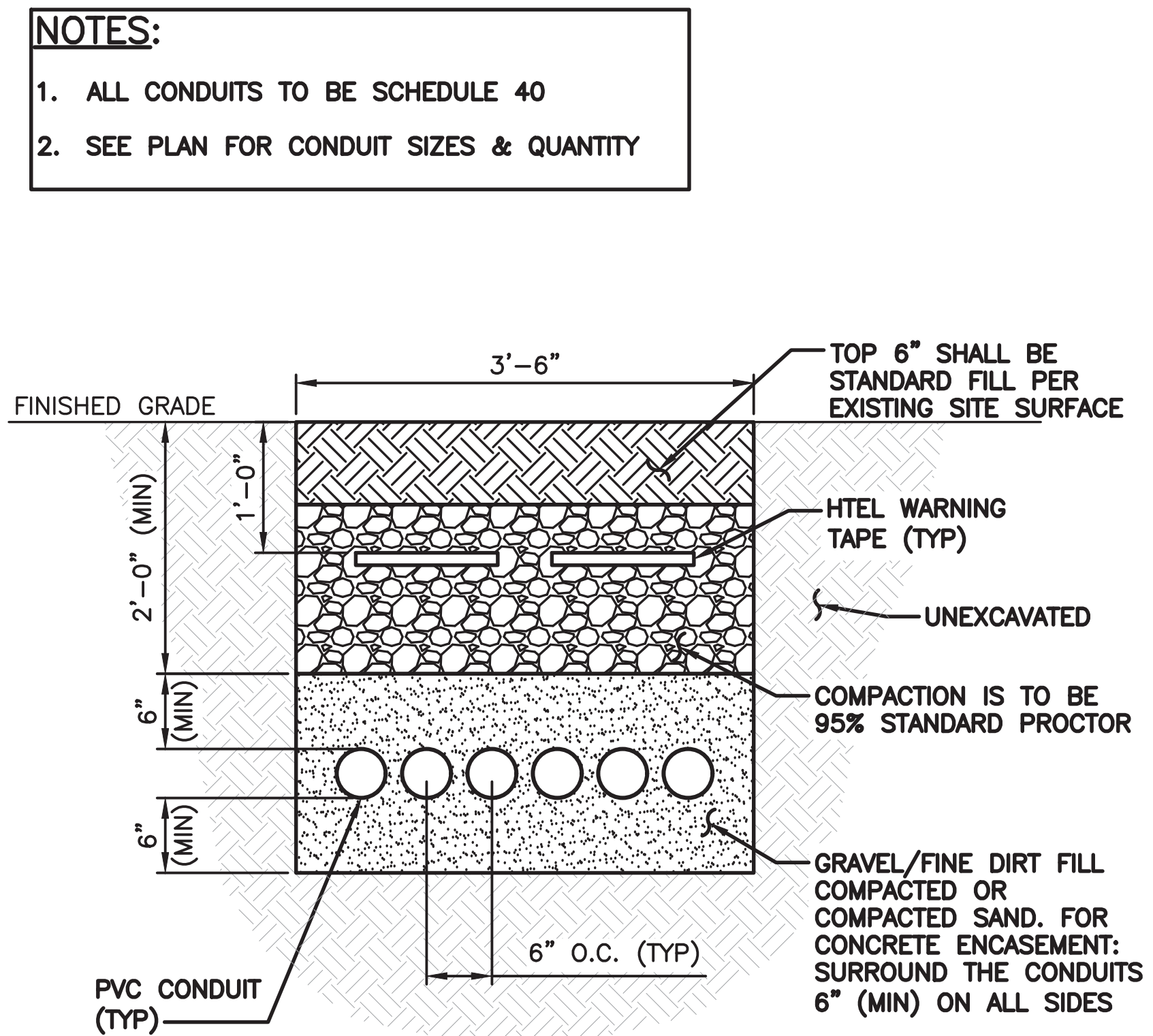
MAXIMUM AVAILABLE FAULT CURRENT:
XXXX AMPS

DATE: XX/XX/XX

- NOTES:**
1. PLACE LABEL IN A VISIBLE LOCATION: SWITCHBOARD
 2. RED BACKGROUND, WHITE LETTERING
 3. TEXT: MIN. 3/8" AND 1/8" HEIGHT. ALL CAPITAL LETTERS ARIAL OR SIMILAR FONT, NON BOLD
 4. MATERIAL NOTE: ENGRAVED ON OUTDOOR-RATED PLASTIC LAMINATE WITH ADHESIVE BACKING SUITABLE FOR THE ENVIRONMENT
 5. APPLICABLE NEC SECTIONS: NEC 110.9

MAXIMUM FAULT CURRENT LABEL

5



TYPICAL RIVIAN EQUIPMENT CONDUIT TRENCH DETAIL

4

STAMP:

ENGINEERING LICENSE:
STATE OF OKLAHOMA
PE CERTIFICATE OF AUTHORIZATION # 3268PE
ENGINEER: PE#: DISCIPLINE:
REJ ROBERT E. JENSEN 30773 CIVIL C
SKS SHELTON D. KEISLING 17982 ELECTRICAL E
TMS TERRANCE M. SUPER 18027 ELECTRICAL E

PLANS PREPARED FOR:

PLANS PREPARED BY:

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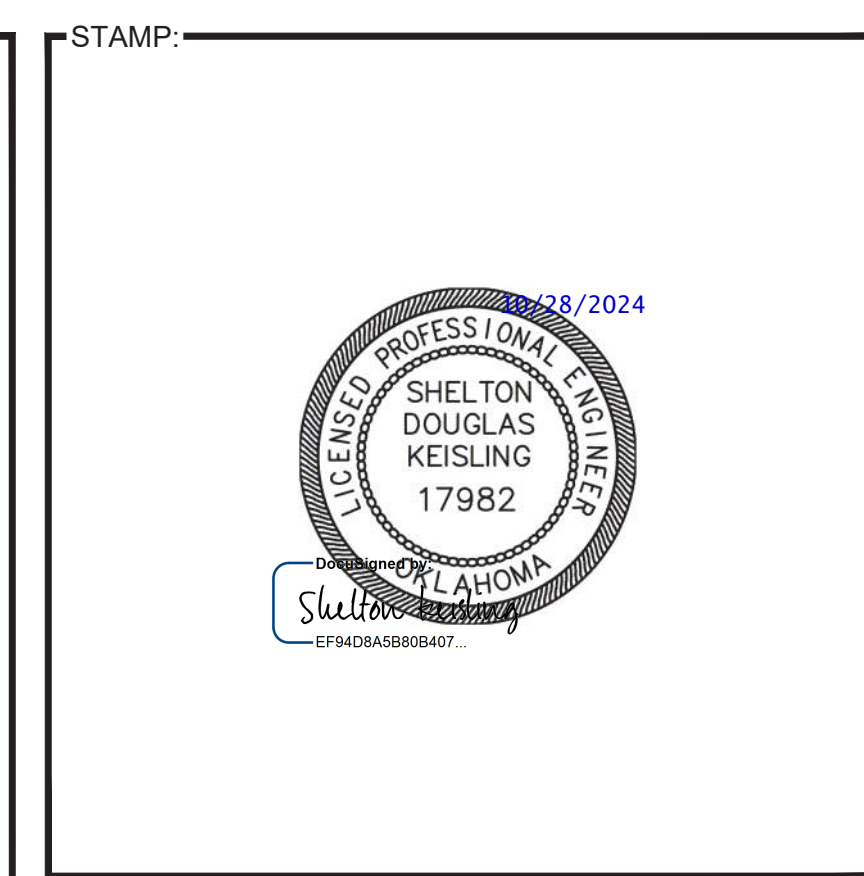
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SSC SITE NUMBER:
OK-00002

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7624 W RENO AVE, STE. EV
OKLAHOMA CITY, OK 73127

SHEET DESCRIPTION: ELECTRICAL DETAILS (1 OF 2) SHEET #: E-3.0



ENGINEERING LICENSE:
 STATE OF OKLAHOMA
 PE CERTIFICATE OF AUTHORIZATION # 3268PE
 ENGINEER: PE#: DISCIPLINE:
 REJ ROBERT E. JENSEN 30773 CIVIL C
 SDK SHELTON D. KEISLING 17982 ELECTRICAL E
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PLANS PREPARED BY:



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SHEET DESCRIPTION: ELECTRICAL DETAILS (2 OF 2) SHEET #: E-3.1

CIRCUIT BREAKER SETTINGS							
BREAKER SIZE	LT P.U.	LT DELAY	ST P.U.	ST DELAY	INST	GROUND FAULT P.U.	GROUND FAULT DELAY
4000A	TBD	TBD	TBD	TBD	TBD	TBD	TBD
600A	TBD	TBD	TBD	TBD	TBD	TBD	TBD

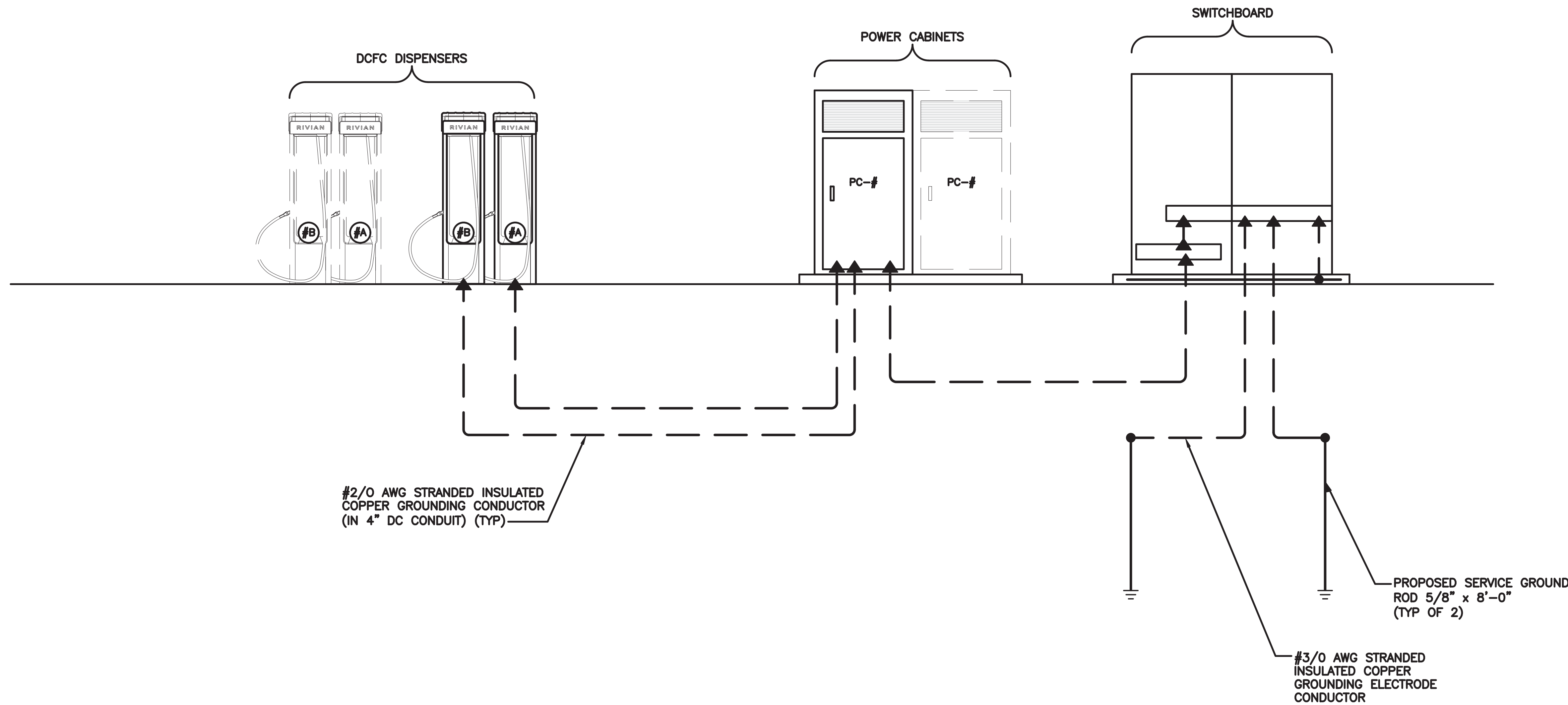
NOTE:
 CONTRACTOR TO NOTIFY RIVIAN DEPLOYMENT MANAGER WHEN READY FOR CIRCUIT BREAKER VALUES. CIRCUIT BREAKER SETTINGS TO BE CALCULATED BY ENGINEER OF RECORD AT TIME OF REQUEST.

GENERAL NOTES:

1. SEE SHEET E-2.1 FOR WIRE QUANTITIES AND SIZES.
2. CONTRACTOR TO REFERENCE GROUNDING DETAILS BY OG&E
3. FUTURE CONDUCTORS SHALL BE RUN THROUGH DC CONDUITS UPON INSTALLATION OF FUTURE EQUIPMENT

LEGEND:

- EXOTHERMIC CONNECTION
- ▲ MECHANICAL CONNECTION



GROUNDING RISER DIAGRAM

STAMP:

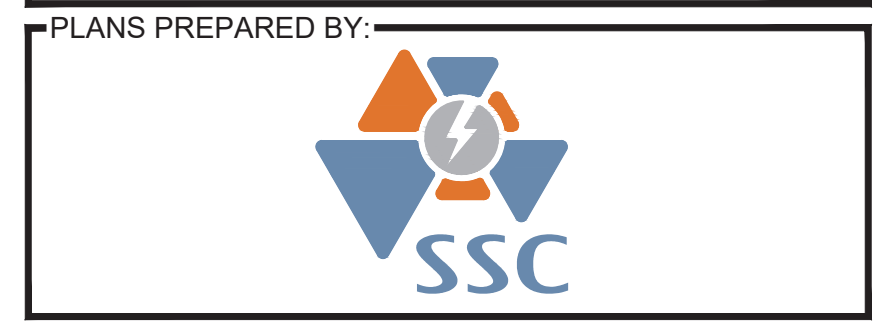
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REJ ROBERT E. JENSEN	30773	CIVIL	C
SDK SHELTON D. KEISLING	17982	ELECTRICAL	E
TMS TERRANCE M. SUPER	18027	ELECTRICAL	E

PLANS PREPARED FOR:



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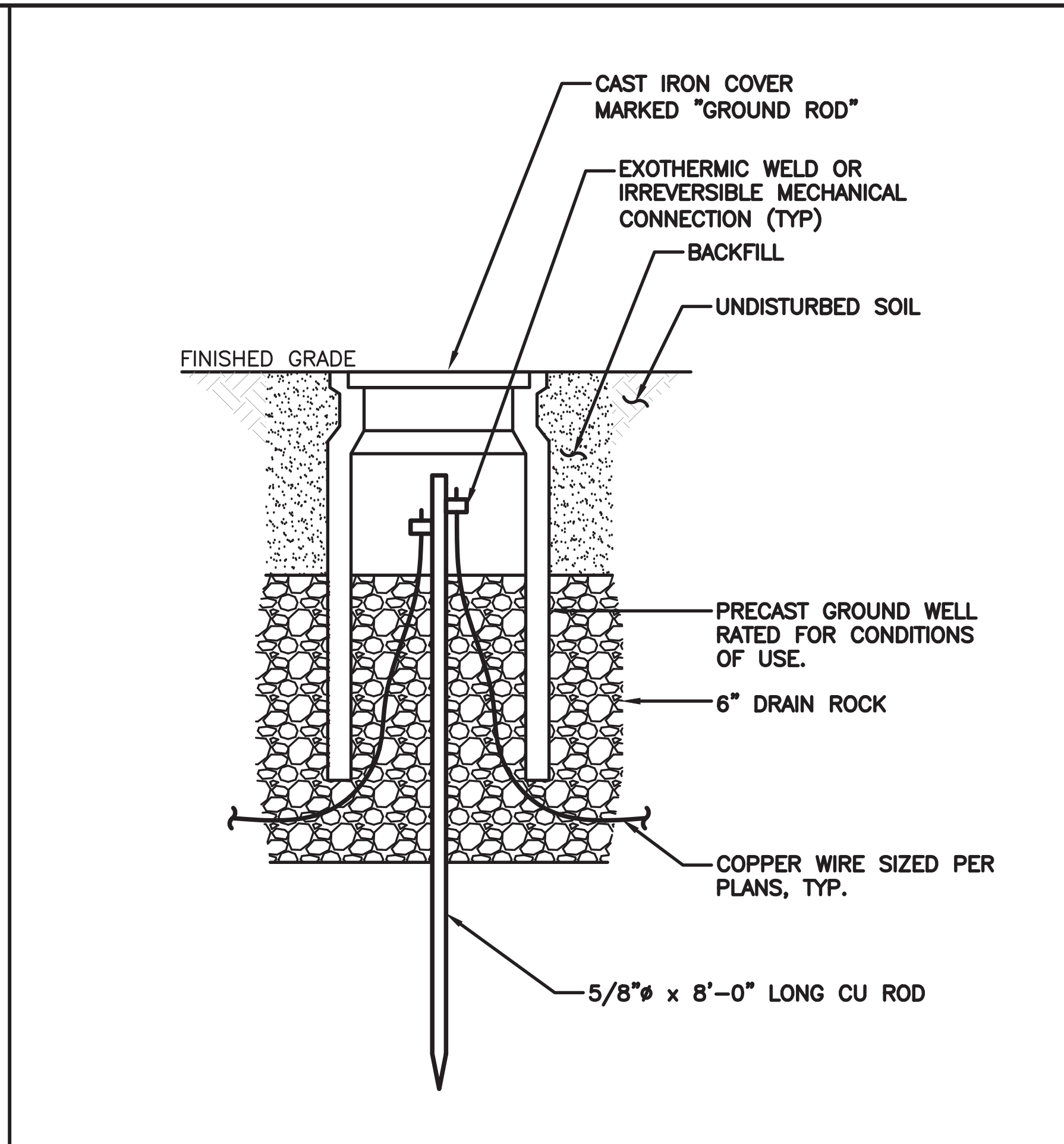
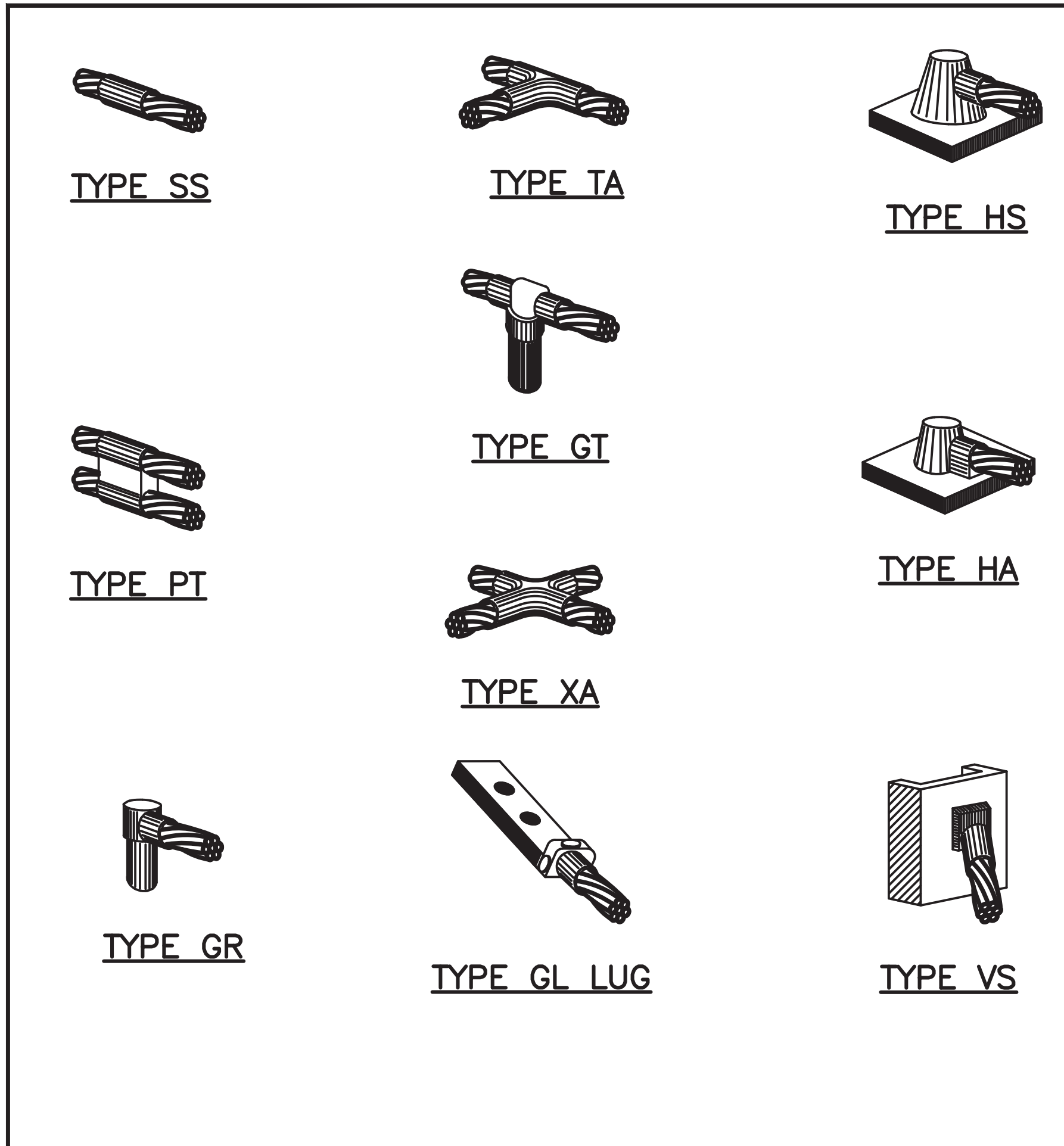
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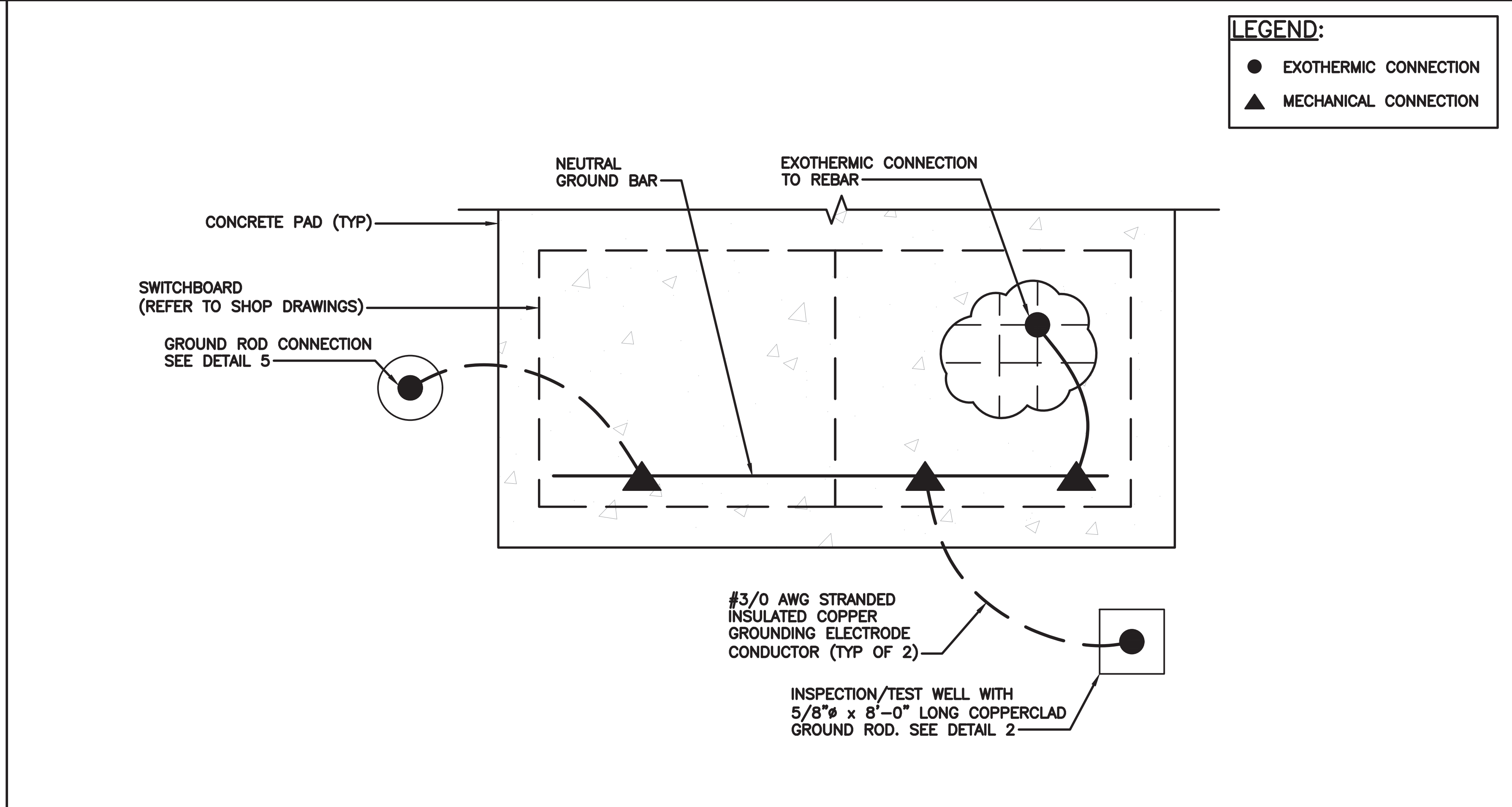
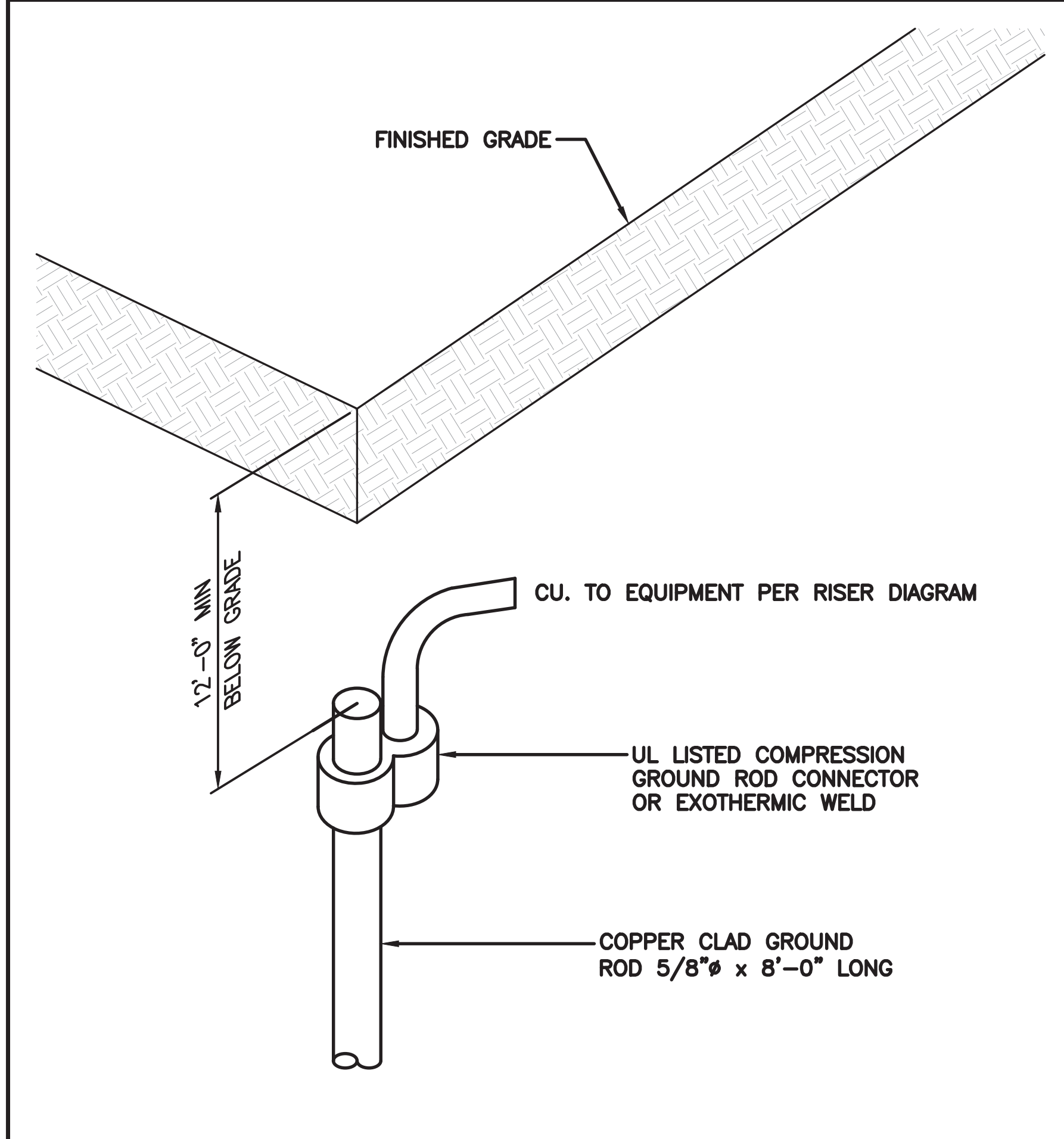
SHEET DESCRIPTION:	SHEET #:
GROUNDING RISER DIAGRAM	G-1.0



EXOTHERMIC CONNECTION DETAILS 1

INSPECTION/TEST WELL DETAIL 2

DETAIL NOT USED 3



GROUND ROD DETAIL 5

TYPICAL SWITCHBOARD FOUNDATION GROUNDING PLAN 4

STAMP:

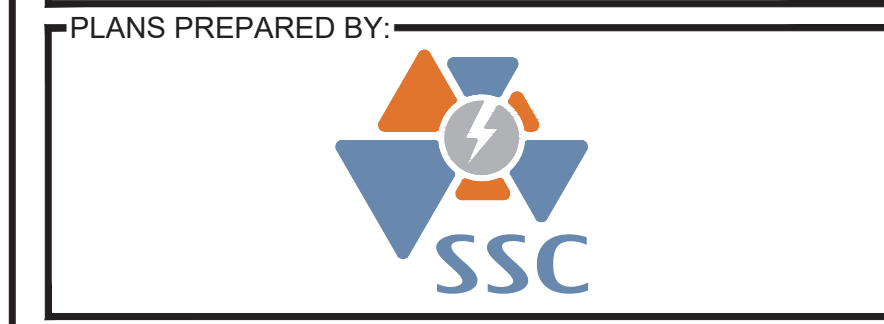
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PLANS PREPARED FOR:



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SHEET DESCRIPTION:	SHEET #:
GROUNDING DETAILS	G-2.0

GENERAL REQUIREMENTS

PART 1: GENERAL

1.1 INTENT:

- A. THESE SPECIFICATIONS AND CONSTRUCTION DRAWINGS DESCRIBE THE WORK TO BE DONE AND THE MATERIALS TO BE FURNISHED FOR CONSTRUCTION. PLANS ARE NOT TO BE SCALED.
- B. THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO BE FULLY EXPLANATORY AND SUPPLEMENTARY, HOWEVER, SHOULD ANYTHING BE SHOWN, INDICATED OR SPECIFIED ON ONE AND NOT THE OTHER, IT SHALL BE DONE THE SAME AS IF SHOWN, INDICATED OR SPECIFIED IN BOTH.
- C. THE INTENTION OF DOCUMENTS IS TO INCLUDE ALL LABOR AND MATERIALS REASONABLY NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK AS STIPULATED IN THE CONTRACT.
- D. CONFLICTS: THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL MEASUREMENTS AT THE SITE BEFORE ORDERING MATERIALS OR DOING ANY WORK. NO COMPENSATION SHALL BE ALLOWED DUE TO DIFFERENCES BETWEEN ACTUAL DIMENSIONS AND THOSE ON THE DOCUMENTS. ANY DISCREPANCY SHALL BE REPORTED TO THE OWNER OR THEIR AGENT FOR CONSIDERATION.

1.2 LICENSING REQUIREMENTS:

- A. THE CONTRACTOR IS RESPONSIBLE FOR INSURING THAT ALL APPLICABLE LICENSES AND BONDS ARE IN PLACE AND MAINTAINED FOR THE ENTIRETY OF THEIR SCOPE OF THE PROJECT.

1.3 STORAGE:

- A. ALL MATERIALS MUST BE STORED IN A LEVEL AND DRY FASHION THAT DOES NOT OBSTRUCT THE FLOW OF OTHER WORK. ANY STORAGE METHOD MUST MEET ALL RECOMMENDATIONS OF THE ASSOCIATED MANUFACTURER.

1.4 CLEAN UP:

- A. THE CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATION OF WASTE MATERIALS OR RUBBISH AT ALL TIMES.

1.5 QUALITY ASSURANCE:

- A. ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.

PART 2: PRODUCTS – NOT APPLICABLE TO THIS SECTION

PART 3: EXECUTION – NOT APPLICABLE TO THIS SECTION

END OF SECTION

SOIL EROSION AND SEDIMENTATION CONTROL

PART 1: GENERAL

IN ACCORDANCE WITH RULE 1709 PROMULGATED UNDER THE AUTHORITY OF PART 91, SOILD EROSION AND SEDIMENTATION CONTROL, OF THE NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION ACT, 1994 PA 451, AS AMENDED, AND IN ADDITION TO THE INFORMATION ON THE ATTACHED PLANS AND SPECIAL CONDITIONS, THE FOLLOWING GENERAL CONDITIONS APPLY TO THE EARTH CHANGE:

- A. DESIGN, CONSTRUCTION, AND COMPLETE THE EARTH CHANGE IN A MANNER THAT LIMITS THE EXPOSED AREA OF DISTURBED LAND FOR THE SHORTEST PERIOD OF TIME.
- B. REMOVE SEDIMENT CAUSED BY ACCELERATED SOIL EROSION FROM RUNOFF WATER BEFORE IT LEAVES THE SITE OF THE EARTH CHANGE.
- C. TEMPORARY OR PERMANENT CONTROL MEASURES SHALL BE DESIGNED AND INSTALLED TO CONVEY WATER AROUND, THROUGH, OR FROM THE EARTH CHANGE AT A NON-EROSIVE VELOCITY.
- D. INSTALL TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL MEASURES BEFORE OR UPON COMMENCEMENT OF THE EARTH CHANGE ACTIVITY AND MAINTAIN THE MEASURES ON A DAILY BASIS. REMOVE TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL MEASURE AFTER PERMANENT SOIL EROSION MEASURES ARE IN PLACE AND THE AREA IS STABILIZED. ("STABILIZED" MEANS THE ESTABLISHMENT OF VEGETATION OR THE PROPER PLACEMENT, GRADING, OR COVERING OF SOIL TO ENSURE ITS RESISTANCE TO SOIL EROSION, SLIDING, OR OTHER EARTH MOVEMENT.)
- E. COMPLETE PERMANENT SOIL EROSION CONTROL MEASURES FOR THE EARTH CHANGE WITHIN FIE CALENDAR DAYS AFTER FINAL GRADING OR UPON COMPLETION OF THE FINAL EARTH CHANGE. IF IT IS NOT POSSIBLE TO PERMANENTLY STABILIZE THE EARTH CHANGE, THEN MAINTAIN TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL MEASURES UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IN PLACE AND THE AREA IS STABILIZED.

STAMP:

ENGINEERING LICENSE:
STATE OF OKLAHOMA

PE CERTIFICATE OF AUTHORIZATION # 3268PE

ENGINEER:	PE#:	DISCIPLINE:	
REJ ROBERT E. JENSEN	30773	CIVIL	C
SDK SHELTON D. KEISLING	17982	ELECTRICAL	E
TMS TERRANCE M. SUPER	18027	ELECTRICAL	E



PLANS PREPARED FOR:

PLANS PREPARED BY:

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OKLAHOMA CITY

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OK-00002

SITE ADDRESS:
**7624 W RENO AVE, STE. EV
OKLAHOMA CITY, OK 73127**

SHEET DESCRIPTION: SPECIFICATIONS (1 OF 5)	SHEET #: SP-1.0
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CAST-IN-PLACE-CONCRETE

PART 1: GENERAL

1.1 SUMMARY:

- A. FURNISH AND INSTALL ALL CAST-IN-PLACE CONCRETE, REINFORCING AND ACCESSORIES, AS SPECIFIED HEREIN AND AS SHOWN ON THE DRAWINGS.

1.2 SUBMITTALS:

- A. PRODUCT DATA: SUBMIT MANUFACTURER'S PRODUCT DATA AND INSTALLATION INSTRUCTIONS FOR EACH MATERIAL AND PRODUCT USED.
- B. SHOP DRAWINGS: SUBMIT SHOP DRAWINGS INDICATING MATERIAL CHARACTERISTICS, DETAILS OF CONSTRUCTION, CONNECTIONS, AND RELATIONSHIP WITH ADJACENT CONSTRUCTION.
 - 1. SHOP DRAWINGS SHALL BE PREPARED AND STAMPED BY A QUALIFIED ENGINEER LICENSED IN THE JURISDICTION OF THE PROJECT.
- C. MIX DESIGN: SUBMIT FOR APPROVAL MIX DESIGN PROPOSED FOR USE.

1.3 QUALITY ASSURANCE:

- A. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS, WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR A MINIMUM OF THREE YEARS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- B. TESTING: EMPLOY AN INDEPENDENT TESTING AGENCY ACCEPTABLE TO OWNER TO DESIGN CONCRETE MIXES AND TO PERFORM MATERIAL EVALUATION TESTS. PROVIDE 4 AND 28 DAY CYLINDER TESTS. COMPLY WITH ASTM C 143, C 173, C 31 AND C 39.
- C. STANDARDS
 - 1. ACI 301, SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS.
 - 2. ACI 318, BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, AND CRSI MANUAL OF STANDARD PRACTICE.

PART 2: PRODUCTS

2.1 MATERIALS:

- A. MATERIALS SHALL CONFORM TO THE RESPECTIVE PUBLICATIONS AND OTHER REQUIREMENTS SPECIFIED HEREIN.
- B. CEMENT: CEMENT SHALL CONFORM TO ASTM C150, TYPE 1. CEMENT MAY BE BAGGED OR BULK. CEMENT SHALL BE USED FROM ONLY ONE MILL THROUGHOUT PROJECT.
- C. FINE AGGREGATE: FINE AGGREGATE SHALL CONFORM TO ASTM C33-08 AND SHALL BE UNIFORMLY GRADED, CLEAN, SHARP, WASHED MATERIAL OR CRUSHED SAND, FREE FROM ORGANIC IMPURITIES.
- D. COURSE AGGREGATE: COURSE AGGREGATE SHALL CONFORM TO ASTM C33-08 AND SHALL BE NATURAL WASHED GRAVEL OR WASHED CRUSHED ROCK HAVING HARD, STRONG, DURABLE PIECES, FREE FORM ADHERENT COATINGS, THE MAXIMUM SIZE OF COARSE AGGREGATE SHALL BE 3/4" IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM C33-08; GRADATION SIZE NO. 67.
- E. WATER: WATER USED IN THE CONCRETE MIX SHALL BE POTABLE, CLEAN, AND FREE FROM OILS, ACIDS, SALTS, CHLORIDES, ALKALI, SUGAR, VEGETABLE, OR OTHER INJURIOUS SUBSTANCES.
- F. REINFORCING STEEL: ALL BARS ARE TO BE NEW BILLET STEEL CONFORMING TO ASTM A615, GRADE 60. BENDING DETAILS ARE TO CONFORM TO THE STANDARDS OF ACI 318.
- G. FORMS: THE FORMS SHALL BE TRUE AND RIGID AND CONFORM TO SHAPE, LINE AND DIMENSIONS AS SHOWN ON THE DRAWINGS. ALL FORMS SHALL BE RIGIDLY CONSTRUCTED, BRACED AND TIED TO PREVENT ANY DEFLECTION OR DISPLACEMENT DURING PLACING OF CONCRETE. ALL EXPOSED CORNERS AND EDGES SHALL HAVE 3/4" FILLETS. ALL JOINTS SHALL BE MORTAR TIGHT; OPEN JOINTS SHALL BE SEALED AS REQUIRED.
- H. CONCRETE:
 - 1. PROPORTIONING: CONCRETE SHALL CONFORM TO THE FOLLOWING:
 - a. CEMENT-6 SACKS PER CUBIC YARD, MINIMUM
 - b. WATER SHALL BE KEPT TO AN ABSOLUTE MINIMUM TO MAINTAIN SLUMP AS SPECIFIED
 - c. AGGREGATE; SAND FACTOR SHALL BE AS REQUIRED TO GIVE THE BEST WORKABLE MIX WITHIN THE RANGE OF 46% TO 52% OF TOTAL AGGREGATE.
 - d. STRENGTH-4000 PSI AT 28 DAYS, UNLESS NOTED OTHERWISE
 - e. ALL CONCRETE SHALL CONTAIN A WATER-REDUCING AGENT AND SHALL HAVE THREE (3) TO FIVE (5) PERCENT ENTRAINED AIR.

2.2 SLUMP:

- A. THE MAXIMUM SLUMP SHALL NOT EXCEED 3" EXCEPT FOR CONCRETE TO BE PLACED IN FORMS 8" WIDE OR LESS, WHERE THE MAXIMUM SLUMP SHALL BE 4".
- B. THE DETERMINATION OF SLUMP SHALL CONFORM TO ASTM C143.

2.3 MIXING:

- A. THE CONTRACTOR SHALL USE READY-MIXED CONCRETE, MIXED AND DELIVERED IN CONFORMANCE WITH ASTM C94.

2.4 MIXTURES:

- A. THE CONCRETE SHALL CONTAIN AN AIR-ENTRAINING ADMIXTURE COMPLYING WITH THE REQUIREMENTS OF ASTM C-260 AND ACI 212.1R AND A WATER-REDUCING ADMIXTURE COMPLYING WITH THE REQUIREMENTS OF ASTM C-494 AND ACI 212.1R. ADMIXTURES SHALL BE PURCHASE AND BATCHED IN LIQUID SOLUTION. THE USE OF CALCIUM CHLORIDE OR AN ADMIXTURE CONTAINING CALCIUM CHLORIDE IS PROHIBITED.
- B. ADMIXTURES SHALL BE OF THE SAME MANUFACTURER TO ASSURE COMPATIBILITY.
- C. ACCEPTABLE MANUFACTURERS ARE:
 - 1. W.R. GRACE
 - 3. MASTER BUILDERS
 - 2. SIKA GROUP
 - 4. EUCLID CHEMICAL CO

2.5 CURING COMPOUNDS:

- A. CURING COMPOUNDS SHALL CONFORM TO ASTM C309, TYPE 1, ID, CLASS A AND B AND ASTM C171 AS APPLICABLE

PART 3: EXECUTION

3.1 GENERAL:

- A. CONSTRUCT AND ERECT FORMWORK IN ACCORDANCE WITH ACI 301 ACI 347.
- B. COLD-WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 306.
- C. HOT-WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 305.

3.2 INSERTS, EMBEDDED COMPONENTS AND OPENINGS:

- A. CONTRACTOR SHALL CHECK ALL CIVIL, ARCHITECTURAL, STRUCTURAL, AND ELECTRICAL DRAWINGS FOR OPENINGS, SLEEVES, ANCHOR BOLTS, INSERTS AND OTHER ITEMS TO BE BUILT INTO THE CONCRETE WORK.
- B. COORDINATE THE WORK OF OTHER SECTIONS IN FORMING AND SETTING OPENINGS, RECESSES, SLOTS, CHASES, ANCHORS, INSERTS AND OTHER ITEMS TO BE EMBEDDED.
- C. EMBEDDED ITEMS SHALL BE SET ACCURATELY IN LOCATION, ALIGNMENT, ELEVATION, AND PLUMBNESS. LOCATE AND MEASURE FROM ESTABLISHED SURVEYED REFERENCE BENCHMARKS.
- D. EMBEDDED ITEMS SHALL BE ANCHORED INTO PLACE AS REQUIRED TO PREVENT MOVEMENT DURING CONCRETE PLACEMENT AND CONSOLIDATION. COMPONENTS FORMING A PART OF A COMPLETE ASSEMBLY SHALL BE ALIGNED BEFORE ANCHORING. PROVIDE TEMPORARY BRACING, ANCHORAGE, AND TEMPLATES AS REQUIRED TO MAINTAIN THE SETTING AND ALIGNMENT.

3.3 REINFORCEMENT PLACEMENT:

- A. REINFORCEMENT SHALL BE PLACED IN ACCORDANCE WITH CHECKED AND RELEASED DRAWINGS AND ACI 301 AND ACI 315; SECURELY WIRE-TIE REINFORCEMENT AT ALL INTERSECTIONS.
- B. ACCURATELY POSITION SUPPORT AND SECURE REINFORCEMENT AGAINST DISPLACEMENT FROM FORMWORK CONSTRUCTION OR CONCRETE PLACEMENT AND CONSOLIDATION. REINFORCING SHALL BE SUPPORTED ON METAL CHAIRS, RUNNERS, BOLSTERS, SPACERS, AND HANGERS.
- C. SPLICES OF REINFORCING BARS SHALL BE CLASS B UNLESS SHOWN OTHERWISE. SPLICES SHALL BE STAGGERED. FULL DEVELOPMENT LENGTH SHALL BE PROVIDED ACROSS JOINTS.
- D. LOCATE REINFORCING TO PROVIDE CONCRETE COVER AND SPACING SHOWN ON THE DRAWINGS. MINIMUM COVER SHALL BE AS REQUIRED BY ACI 318.
- E. WELDING OF AND TO ANY REINFORCING MATERIALS INCLUDING TACK WELDING OF CROSSING BARS IS STRICTLY PROHIBITED. BARS SHALL BE FREE OF FLAKY OR SCALY RUST AT THE TIME THE CONCRETE IS PLACED.

3.4 CONCRETE PLACEMENT:

- A. PRIOR TO PLACING CONCRETE, FORMS AND REINFORCEMENT SHALL BE THOROUGHLY INSPECTED. ALL WOOD CHIPS, DIRT, ETC., AS WELL AS ALL TEMPORARY BRACING, TIES, AND CLEATS REMOVED, AND ALL OPENINGS FOR UTILITIES PROPERLY BOXED, ALL FORMS SHALL BE PROPERLY SECURED IN THEIR CORRECT POSITION AND MADE TIGHT. ALL REINFORCING AND EMBEDDED ITEMS SHALL BE SECURED IN THEIR PROPER LOCATIONS.. ALL OLD AND DRY CONCRETE AND DIRT SHALL BE CLEANED AND ALL STANDING WATER AND OTHER FOREIGN MATTER REMOVED.

- B. PLACING CONCRETE SHALL BE IN ACCORDANCE WITH ACI 301 AND ACI 304 AND SHALL BE CARRIED OUT AT SUCH A RATE THAT THE CONCRETE PREVIOUSLY PLACED IS STILL PLASTIC AND INTEGRATED WITH THE FRESHLY PLACE CONCRETE. CONCRETING, ONCE STARTED, SHALL BE CARRIED ON AS A CONTINUOUS OPERATION UNTIL THE SECTION IS COMPLETED. NO COLD JOINTS SHALL BE ALLOWED.
- C. CONSTRUCTION JOINTS: USE KEYWAYS, CONTINUE REINFORCEMENT THROUGH JOINT.
- D. EXPANSION JOINTS: FOR EXTERIOR WORK, LOCATE AT 30'-0" O.C. MAXIMUM, AT APPROVED LOCATIONS. PROVIDE SMOOTH DOWELS ACROSS JOINT WHICH PERMIT 1" HORIZONTAL MOVEMENT AND NO VERTICAL SHEAR MOVEMENT.
- E. ISOLATION JOINTS: PROVIDE BETWEEN SLABS AND VERTICAL ELEMENTS SUCH AS COLUMNS AND STRUCTURAL WALLS.
- F. CONTROL JOINTS: PROVIDE SAWN OR TOOLED JOINTS OR REMOVABLE INSERT STRIPS; DEPTH EQUAL TO 1/4" SLAB THICKNESS. SPACING SHALL BE AS REQUIRED AND APPROVED.
- G. ALL CONCRETE SHALL BE THOROUGHLY CONSOLIDATED AND COMPACTED BY VIBRATION, SPADING, RODDING, OR FORKING DURING THE OPERATION OF PLACING AND DEPOSITING IN ACCORDANCE WITH ACI 309. THE CONCRETE SHALL BE WORKED AROUND REINFORCEMENT, EMBEDDED ITEMS, AND INTO THE CORNERS OF THE FORMS SO AS TO ELIMINATE ALL AIR AND STONE POCKETS.

3.5 FINISHING:

- A. FINISHING OF ALL SLABS SHALL BE IN ACCORDANCE WITH ACI 302.1; SECTION 7.2 WITH A MINIMUM OF THREE TROWELINGS.
 - 1. INTERIOR SLAB FINISH TOLERANCE AS MEASURED IN ACCORDANCE WITH ASTM E 1155, SHALL HAVE AN OVERALL TEST F NUMBER FOR FLATNESS, FF=20 AND FOR LEVEL, FL=15. THE MINIMUM LOCAL NUMBER FOR FLATNESS, FF=15 AND FOR LEVEL, FL=10.
 - 2. EXTERIOR SLAB FINISH SHALL BE FLAT (FF=20) AND SHALL BE SLOPED A MINIMUM OF 1/8" PER FOOT TO A MAXIMUM OF 1/4" PER FOOT TO PREVENT PONDING WATER.
- B. SURFACES OF SLABS SHALL RECEIVE TWO COATS OF CLEAR SEALER/HARDNER.
- C. ALL ABOVE GRADE SLABS SHALL HAVE A BROOM FINISH.

3.6 CURING:

- A. FRESHLY DEPOSITED CONCRETE SHALL BE PROTECTED FROM PREMATURE DRYING AND EXCESSIVELY HOT OR COLD TEMPERATURES AND SHALL BE MAINTAINED WITH MINIMAL MOISTURE LOSS AT A RELATIVELY CONSTANT TEMPERATURE FOR A PERIOD OF TIME NECESSARY FOR THE HYDRATION OF THE CEMENT AND PROPER HARDENING OF THE CONCRETE.
- B. CURING SHALL IMMEDIATELY FOLLOW THE FINISH OPERATION. CONCRETE SHALL BE KEPT CONTINUOUSLY MOIST AT LEAST OVERNIGHT, IMMEDIATELY FOLLOWING THE INITIAL CURING. BEFORE THE CONCRETE HAS DRIED, ADDITIONAL CURING SHALL BE ACCOMPLISHED BY ONE OF THE FOLLOWING MATERIALS OR METHODS:
 - 1. PONDING OR CONTINUOUS SPRINKLING
 - 2. ABSORPTIVE MAT OR FABRIC KEPT CONTINUOUSLY WET
 - 3. NON-ABSORPTIVE FILM (POLYETHYLENE) OVER A PREVIOUSLY SPRINKLED SURFACE
 - 4. SAND OR OTHER COVERING KEPT CONTINUOUSLY WET
 - 5. CONTINUOUS STEAM (NOT EXCEEDING 150 DEGREES F) OR VAPOR MIST BATH.
 - 6. SPRAYED-ON CURING COMPOUND APPLIED IN TWO COATES, SPRAYED IN PERPENDICULAR DIRECTIONS.
- C. THE FINAL CURING SHALL CONTINUE UNTIL THE CUMULATIVE NUMBER OF DAYS OR FRACTION THEREOF, NOT NECESSARILY CONSECUTIVE, DURING WHICH TEMPERATURE OF THE AIR IN CONTACT WITH CONCRETE IS ABOVE 50 DEGREES F HAS TOTALED SEVEN (7) DAYS. CONCRETE SHALL NOT BE PERMITTED TO FREEZE DURING THE CURING PERIOD. RAPID DRYING AT THE END OF THE CURING PERIOD SHALL BE PREVENTED.

END OF SECTION

STAMP:



ENGINEERING LICENSE:
STATE OF OKLAHOMA
PE CERTIFICATE OF AUTHORIZATION # 3268PE
ENGINEER: ROBERT E. JENSEN PE#: 30773 DISCIPLINE: CIVIL C
REJ ROBERT E. JENSEN 30773 CIVIL C
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PLANS PREPARED FOR:



PLANS PREPARED BY:



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ISSUED FOR REVIEW		10/10/24	IBA	B
ISSUED FOR PERMITTING		10/23/24	IBA	0

APPLICANT SITE NAME:
OKLAHOMA CITY

SSC SITE NUMBER:
OK-00002

SITE ADDRESS:
**7624 W RENO AVE, STE. EV
OKLAHOMA CITY, OK 73127**

SHEET DESCRIPTION: **SPECIFICATIONS (2 OF 5)** SHEET #: **SP-1.1**

EARTH MOVING/EXCAVATION/BACKFILLING SECTION

PART 1: GENERAL

1.1 SUMMARY:

- A. PROVIDE EARTHWORK OPERATIONS INCLUDING BUT NOT LIMITED TO EXCAVATION, GRADING, TRENCHING AND COMPACTION.

1.2 QUALITY ASSURANCE COMPACTION:

- A. UNDER STRUCTURES, BUILDING SLABS, STEPS, PAVEMENTS, AND WALKWAYS, 95% MAXIMUM DENSITY, ASTM D 1557.
 - 1. GRADING TOLERANCES:
 - a. LAWNS, UNPAVED AREAS, AND WALKS, PLUS OR MINUS 1".
 - b. KEEP SITE FREE FROM ANY PONDING WATER
 - c. GRADING TOLERANCE FOR FILL UNDER BUILDING OR EQUIPMENT SLABS: PLUS OR MINUS 1/4" MEASURED WITH 10'-0" STRAIGHTEDGE.
 - 2. TESTING: FIELD TESTING OF EARTHWORK AND COMPACTION SHALL BE PERFORMED BY OWNER'S INDEPENDENT TESTING LAB. THIS WORK IS TO BE COORDINATED BY THE CONTRACTOR.
 - 3. ALL WORK SHALL BE INSPECTED AND RELEASED BY THE OWNER OR HIS AGENT WHO SHALL CARRY OUT THE GENERAL INSPECTION OF THE WORK AS SPECIFIED AND/OR CALLED OUT BY THE CONSTRUCTION DOCUMENTS. PROVIDE A MINIMUM OF 48 HOURS NOTICE PRIOR TO ANY PLACEMENT OF CONCRETE OR BACKFILLING OF TRENCHES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REQUEST TIMELY INSPECTIONS PRIOR TO PROCEEDING WITH FURTHER WORK THAT WOULD MAKE PARTS OF WORK INACCESSIBLE OR DIFFICULT TO INSPECT.
 - 4. EXISTING UTILITIES: DO NOT INTERRUPT EXISTING UTILITIES SERVING FACILITIES OCCUPIED BY THE OWNER OR OTHERS, EXCEPT WHEN PERMITTED IN WRITING BY OWNER OR HIS AGENT AND THEN ONLY AFTER ACCEPTABLE TEMPORARY UTILITY SERVICES HAVE BEEN PROVIDED.

PART 2: PRODUCTS

2.1 GENERAL:

- A. UTILITY TRENCH: PROVIDE WELL GRADED SAND (SW-SM) FROM BASE OF TRENCH TO MINIMUM ABOVE THE HIGHEST CONDUIT WITHIN TRENCH. REMAINDER OF TRENCH AREA CAN BE EITHER AB 3 OR CLEAN GRAVEL AS DESCRIBED HEREIN. COMPACT AS REQUIRED TO PREVENT SETTLING.
- B. ACCESS ROADS: 6" MINIMUM (UNLESS NOTED OTHERWISE ON DRAWINGS) COMPACTED AB 3 OR APPROVED EQUAL (UNWASHED CRUSHED LIMESTONE GRAVEL CONSISTING OF MULTIPLE AGGREGATE SIZES, ROCK CHIPS, AND ROCK DUST.)
- C. COMPOUND (NEW CONSTRUCTION): 2" THICK CLEAN GRAVEL, WITH 100% PASSING THROUGH A 1" SIEVE OVER 4" COMPACTED AB 3.
- D. COMPOUND (EXISTING): PROVIDE CLEAN GRAVEL WITH 100% PASSING THROUGH A 1" SIEVE AS REQUIRED TO BRING COMPOUND TO PROPER GRADE OR REPAIR EXISTING DAMAGED AREAS.
- E. STRUCTURAL FILL: PROVIDE 4" MINIMUM AB 3 BELOW STRUCTURES OR SLABS

2.2 MATERIALS:

- A. GEOTEXTILE FABRIC: PROVIDE MIRAFI 500X OR APPROVED EQUAL.
- B. PLASTIC MARKING TAPE: SHALL BE ACID AND ALKALI RESISTANT POLYETHYLENE FILM SPECIFICALLY MANUFACTURED FOR MARKING AND LOCATING UNDERGROUND UTILITIES, 6" WIDE WITH A MINIMUM THICKNESS OF 0.004". TAPE SHALL HAVE MINIMUM STRENGTH OF 1500 PSI IN BOTH DIRECTIONS AND MANUFACTURED WITH INTEGRAL WIRES OR OTHER MEANS TO ENABLE DETECTION BY A METAL DETECTOR WHEN BURIED UP TO 3'-0" DEEP. THE CORE OF THE TAPE SHALL BE ENCASED IN A PROTECTIVE JACKET OR OTHER MEANS TO PROTECT FROM CORROSION. TAPE COLOR SHALL BE RED FOR ELECTRIC UTILITIES AND ORANGE FOR TELECOMMUNICATION

PART 3: EXECUTION

3.1 INSTALLATION:

- A. PRIOR TO EXCAVATING, THOROUGHLY EXAMINE AREA TO BE EXCAVATED AND/OR TRENCHED TO VERIFY THE LOCATIONS OF FEATURES ON THE DRAWINGS AND TO ASCERTAIN THE EXISTENCE OF ANY STRUCTURE NOT SHOWN THAT MIGHT INTERFERE WITH NEW CONSTRUCTION. NOTIFY THE OWNER OR HIS AGENT OF ANY OBSTRUCTIONS THAT WILL PREVENT ACCOMPLISHMENT OF THE WORK AS INDICATED ON THE DRAWINGS.
- B. EXCAVATION IS UNCLASSIFIED AND INCLUDES EXCAVATION TO SUBGRADE REGARDLESS OF MATERIALS. REPAIR EXCAVATIONS BEYOND ELEVATIONS AND DIMENSIONS INDICATED AS REQUIRED.
- C. MAINTAIN STABILITY OF EXCAVATIONS; COORDINATE SHORING AND BRACING AS REQUIRED BY AUTHORITIES HAVING JURISDICTION. PREVENT SURFACE AND SUBSURFACE WATER FROM ACCUMULATING IN EXCAVATIONS. STOCKPILE SATISFACTORY MATERIALS FOR REUSE, ALLOW FOR PROPER DRAINAGE.

- D. COMPACT MATERIALS AT THE OPTIMUM MOISTURE CONTENT AS DETERMINED BY ASTM D 1557 BY AERATION OR WETTING TO 95% OF MAXIMUM DRY DENSITY TO SUITABLE DEPTH.
- E. PLACE ACCEPTABLE MATERIALS IN LAYERS NOT MORE THAN 8" LOOSE DEPTH FOR MATERIALS COMPACTED BY HEAVY EQUIPMENT AND NOT MORE THAN 4" LOOSE DEPTH FOR MATERIALS COMPACTED BY HAND EQUIPMENT TO SUBGRADES INDICATED AS FOLLOWS:
 - 1. STRUCTURAL FILL: USE UNDER FOUNDATIONS, SLABS ON GRADE IN LAYERS AS INDICATED.
 - 2. DRAINAGE FILL: USE UNDER DESIGNATED BUILDING SLABS, AT FOUNDATION DRAINAGE AND ELSEWHERE AS INDICATED.
 - 3. COMMON FILL: USE UNDER UNPAVED AREAS.
 - 4. SUBBASE MATERIAL: USE UNDER GENERAL COMPOUND AREA. IF THICKNESS OF LIFT IS GREATER THAN 6" SPREAD AND COMPACT THE CRUSHED STONE IN MULTIPLE LIFTS OF EQUAL THICKNESS WITH A MAXIMUM LIFT OF 6"
- F. GRADE TO 1/2" ABOVE OR BELOW REQUIRED SUBGRADE AND TO A TOLERANCE OF 1/4" IN 10'-0".
- G. PROTECT NEWLY GRADED AREAS FROM TRAFFIC AND EROSION. RE-COMPACT AND RE-GRADE SETTLED, DISTURBED AND DAMAGED AREAS TO RESTORE QUALITY, APPEARANCE, AND CONDITION.
- H. CONTROL EROSION TO PREVENT RUNOFF INTO SEWERS OR DAMAGE TO AREAS.
- I. CONTROL DUST TO PREVENT HAZARDS TO ADJACENT PROPERTIES AND VEHICLES. IMMEDIATELY REPAIR OR REMEDY DAMAGE CAUSED BY DUST INCLUDING AIR FILTERS IN EQUIPMENT AND VEHICLES. CLEAN SOILED SURFACES.
- J. DISPOSE OF WASTE AND UNSUITABLE MATERIALS OFF-SITE IN A LEGAL MANNER.

3.2 BACKFILL:

- A. AS SOON AS PRACTICAL AFTER COMPLETING CONSTRUCTION OF THE RELATED STRUCTURE, INCLUDING THE SPECIFIED MINIMUM CURING PERIOD FOR CAST-IN-PLACE CONCRETE, BACKFILL THE EXCAVATION WITH APPROVED MATERIAL TO RESTORE THE REQUIRED FINISHED GRADE.
 - 1. PRIOR TO PLACING BACKFILL AROUND STRUCTURES, ALL FORMS SHALL HAVE BEEN REMOVED AND THE EXCAVATION CLEANED OF ALL TRASH, DEBRIS, AND UNSUITABLE MATERIALS.
 - 2. BACKFILL BY PLACING AND COMPACTING SUITABLE BACKFILL MATERIAL OR SELECT GRANULAR BACKFILL MATERIAL, WHEN REQUIRED IN UNIFORM HORIZONTAL LAYERS OF NO GREATER THAN 8" LOOSE THICKNESS. WHERE HAND OPERATED COMPACTORS ARE USED, THE FILL MATERIAL SHALL BE PLACED IN LIFTS NOT TO EXCEED 4" IN LOOSE DEPTH.
 - 3. IF THE DENSITY TESTING INDICATES THAT THE SPECIFIED DENSITY, THE SUCCEEDING LAYER SHALL NOT BE PLACED UNTIL THE SPECIFICATION REQUIREMENTS ARE MET UNLESS AUTHORIZED BY THE GEO-TECHNICAL ENGINEER. THE CONTRACTOR SHALL TAKE WHATEVER APPROPRIATE ACTION IS NECESSARY TO OBTAIN PROPER COMPACTION.
- B. COMPACT EACH LAYER OF BACKFILL TO A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY AS PROVIDED BY THE STANDARD PROCTOR TEST, ASTM D 698.

3.3 TRENCH EXCAVATION:

- A. UTILITY TRENCHES SHALL BE EXCAVATED TO THE LINES AND GRADES SHOWN ON THE DRAWINGS OR AS DIRECTED BY THE OWNER OR HIS AGENT. PROVIDE SHORING, SHEETING AND BRACING AS REQUIRED TO PREVENT CAVING OR SLOUGHING OF THE TRENCH WALLS.
- B. EXTEND THE TRENCH WIDTH A MINIMUM OF 6" BEYOND THE OUTSIDE EDGE OF THE OUTER-MOST CONDUIT.
- C. WHEN SOFT, YIELDING, OR OTHERWISE UNSTABLE SOIL CONDITIONS ARE ENCOUNTERED, BACKFILL AT THE REQUIRED TRENCH TO A DEPTH OF NO LESS THAN 12" BELOW THE REQUIRED ELEVATION AND BACKFILL WITH GRANULAR BEDDING MATERIAL.

3.4 TRENCH BACKFILL:

- A. PROVIDE GRANULAR BEDDING MATERIAL (WELL GRADED SAND) IN ACCORDANCE WITH THE DRAWINGS AND THE UTILITY REQUIREMENTS.
- B. NOTIFY THE OWNER OR HIS AGENT 24 HOURS IN ADVANCE OF BACKFILLING.
- C. CONDUCT UTILITY CHECK TESTS BEFORE BACKFILLING. BACKFILL AND COMPACT TRENCH BEFORE ACCEPTANCE TESTING.
- D. PLACE GRANULAR TRENCH BACKFILL UNIFORMLY ON BOTH SIDES OF THE CONDUITS IN 6" UNCOMPACTED LIFTS UNTIL 6" OVER THE CONDUITS. SOLIDLY RAM AND TAMP BACKFILL INTO SPACES AROUND CONDUITS.
- E. PROTECT CONDUIT FROM LATERAL MOVEMENT, IMPACT DAMAGE, OR UNBALANCED LOADING.

- F. ABOVE THE CONDUIT EMBEDMENT ZONE, PLACE AND COMPACT BACKFILL MATERIAL IN 8" MAXIMUM LOOSE THICKNESS LIFTS TO RESTORE THE REQUIRED FINISHED SURFACE GRADE.
- G. COMPACT FINAL TRENCH BACKFILL TO A DENSITY EQUAL TO OR GREATER THAN EXISTING UNDISTURBED MATERIAL ADJACENT TO THE TRENCH BUT NO LESS THAN A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY AS PROVIDED BY THE STANDARD PROCTOR TEST, ASTM D 698.

3.5 AGGREGATE ACCESS ROAD (IF APPLICABLE):

- A. CLEAR, GRUB, STRIP AND EXCAVATE FOR ACCESS ROAD TO THE LINES AND GRADES INDICATED ON DRAWINGS. SCARIFY TO A DEPTH OF 6" AND PROOF-ROLL ALL HOLES, RUTS, SOFT PLACES AND OTHER DEFECTS.
- B. THE ENTIRE SUBGRADE SHALL BE COMPACTED TO NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY AS PROVIDED BY THE STANDARD PROCTOR TEST, ASTM D 1557.
- C. AFTER PREPARATION OF THE SUBGRADE IS COMPLETE, THE GEOTEXTILE FABRIC (MIRAFI 500X) SHALL BE INSTALLED TO THE LIMITS INDICATED ON DRAWINGS BY ROLLING THE FABRIC OUT LONGITUDINALLY ALONG ROADWAY. THE FABRIC SHALL NOT BE DRAGGED ACROSS THE SUBGRADE. PLACE THE ENTIRE ROLL IN A SINGLE OPERATION, AS SMOOTHLY AS POSSIBLE.
 - 1. OVERLAPS PARALLEL TO THE ROADWAY WILL BE PERMITTED AT THE CENTERLINE AND AT LOCATIONS BEYOND THE ROADWAY SURFACE WIDTH. NO LONGITUDINAL OVERLAPS SHALL BE LOCATED BETWEEN THE CENTERLINE AND THE SHOULDER. PARALLEL OVERLAPS SHALL BE A MINIMUM OF 3'-0" WIDE.
 - 2. TRANSVERSE OR PERPENDICULAR OVERLAPS AT THE END OF A ROLL SHALL OVERLAP IN THE DIRECTION OF THE AGGREGATE PLACEMENT (PREVIOUS ROLL ON TOP) AND SHALL HAVE A MINIMUM LENGTH OF 3'-0".
 - 3. ALL OVERLAPS SHALL BE PINNED WITH STAPLES OR NAILS BETWEEN 10" AND 12" LONG TO INSURE POSITIONING DURING PLACEMENT OF AGGREGATE. PIN LONGITUDINAL SEAMS AT 25'-0" O.C. AND TRANSVERSE SEAMS EVERY 5'-0" O.C.
- D. THE AGGREGATE BASE AND SURFACE COURSES SHALL BE CONSTRUCTED IN LAYERS NOT MORE THAN 6" (COMPACTED) THICKNESS. AGGREGATE TO BE PLACED ON GEOTEXTILE FABRIC AND SHALL BE END-DUMPED ON THE FABRIC FROM THE FREE END OF THE FABRIC OR OVER PREVIOUSLY PLACED AGGREGATE. AT NO TIME SHALL EQUIPMENT BE PERMITTED ON THE ROADWAY WITH LESS THAN 6" OF MATERIAL COVERING THE FABRIC.
- E. THE AGGREGATE SHALL BE IMMEDIATELY COMPACTED TO NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY AS PROVIDED BY THE PROCTOR TEST, ASTM D 1557 WITH A TAMPING ROLLER, A PNEUMATIC-TIRED ROLLER, OR WITH A VIBRATORY MACHINE OR ANY COMBINATION OF THE ABOVE. THE TOP LAYER SHALL BE GIVEN A FINAL ROLLING WITH A THREE-WHEEL OR TANDEM ROLLER.

3.6 FINISH GRADING:

- A. PERFORM ALL GRADING TO PROVIDE SMOOTH, EVEN SURFACE DRAINAGE OF THE ENTIRE AREA WITHIN THE LIMITS OF CONSTRUCTION. GRADING SHALL BE COMPATIBLE WITH ALL SURROUNDING TOPOGRAPHY AND STRUCTURES.
- B. UTILIZE SATISFACTORY FILL MATERIALS RESULTING FROM THE EXCAVATION WORK IN THE CONSTRUCTION OF FILLS, EMBANKMENTS AND FOR THE REPLACEMENT OF REMOVED UNSUITABLE MATERIALS.
- C. ACHIEVE FINISHED GRADE BY PLACING A MINIMUM OF 6" OF AB 3 ON TOP OF SOIL STABILIZER FABRIC.
- D. REPAIR ALL ACCESS ROADS AND SURROUNDING AREAS USED DURING THE COURSE OF THIS WORK TO THEIR ORIGINAL CONDITION.

END OF SECTION

STAMP:

ENGINEERING LICENSE:

STATE OF OKLAHOMA

PE CERTIFICATE OF AUTHORIZATION # 3268PE

ENGINEER:	PE#:	DISCIPLINE:	
REJ ROBERT E. JENSEN	30773	CIVIL	C
SDK SHELTON D. KEISLING	17982	ELECTRICAL	EE
TMS TERRANCE M. SUPER	18027	ELECTRICAL	

PLANS PREPARED FOR:

PLANS PREPARED BY:



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SUBMITTALS:

DESCRIPTION	DATE	BY	REV
ISSUED FOR REVIEW	09/26/24	CJO	A
ISSUED FOR REVIEW	10/10/24	IBA	B
ISSUED FOR PERMITTING	10/23/24	IBA	0

APPLICANT SITE NAME:

OKLAHOMA CITY

SSC SITE NUMBER:

OK-00002

SITE ADDRESS:

7624 W RENO AVE, STE. EV
OKLAHOMA CITY, OK 73127

SHEET DESCRIPTION:

SPECIFICATIONS
(3 OF 5)

SHEET #:

SP-1.2

ELECTRICAL

PART 1: GENERAL

1.1 GENERAL CONDITIONS:

- A. THE CONTRACTOR SHALL INSPECT THE SITE WHERE THIS WORK IS TO BE PERFORMED AND FULLY FAMILIARIZE HIMSELF WITH ALL CONDITIONS RELATED TO THIS PROJECT.
- B. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND LICENSES AND SHALL MAKE ALL DEPOSITS AND PAY ALL FEES REQUIRED FOR THE PERFORMANCE OF WORK UNDER THIS SECTION.
- C. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF ALL SYSTEMS AND COMPONENTS COVERED UNDER THIS SECTION. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. DRAWINGS SHALL NOT BE SCALED TO DETERMINE DIMENSIONS.

1.2 LAWS, REGULATIONS, ORDINANCES, STATUTES AND CODES:

- A. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, AND ALL APPLICABLE LOCAL LAWS, REGULATIONS, ORDINANCES, STATUTES AND CODES.

1.3 REFERENCES:

- A. THE PUBLICATIONS LISTED BELOW FORM PART OF THIS SPECIFICATION. EACH PUBLICATION SHALL BE THE LATEST REVISION AND ADDENDUM IN EFFECT ON THE DATE THIS SPECIFICATION IS ISSUED FOR CONSTRUCTION UNLESS NOTED OTHERWISE. EXCEPT AS MODIFIED BY THE REQUIREMENTS SPECIFIED HEREIN OR THE DETAILS OF THE DRAWINGS, WORK INCLUDED IN THIS SPECIFICATION SHALL CONFORM TO THE APPLICABLE PROVISIONS OF THESE PUBLICATIONS.
 1. NEC (NATIONAL ELECTRICAL CODE)
 2. ANSI/IEEE (AMERICAN NATIONAL STANDARDS INSTITUTE)
 3. IEEE (INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS)
 4. ASTM (AMERICAN SOCIETY FOR TESTING AND MATERIALS)
 5. ICEA (INSULATED CABLE ENGINEERS ASSOCIATION)
 6. NEMA (NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION)
 7. NFPA (NATIONAL FIRE PROTECTION ASSOCIATION)
 8. OSHA (OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION)
 9. UL (UNDERWRITERS LABORATORIES, INC.)

1.4 SCOPE OF WORK:

- A. WORK UNDER THIS SECTION SHALL CONSIST OF FURNISHING ALL LABOR, MATERIAL AND ASSOCIATED SERVICES REQUIRED TO COMPLETELY CONSTRUCT AND LEAVE READY FOR OPERATION SYSTEMS AS SHOWN ON THE DRAWINGS AND HEREIN DESCRIBED.
- B. ALL ELECTRICAL EQUIPMENT UNDER THIS CONTRACT SHALL BE PROPERLY TESTED, ADJUSTED, AND ALIGNED BY THE CONTRACTOR.
- C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXCAVATING, DRAINING, TRENCHES, BACKFILLING, AND REMOVAL OF EXCESS DIRT.
- D. THE CONTRACTOR SHALL FURNISH TO THE OWNER, CERTIFICATES OF FINAL INSPECTION AND APPROVAL FROM THE INSPECTION AUTHORITIES HAVING JURISDICTION.

PART 2: PRODUCTS

2.1 GENERAL:

- A. ALL ITEMS OF MATERIALS AND EQUIPMENT SHALL BE NEW, FREE FROM DEFECTS AND OF THE BEST QUALITY NORMALLY USED FOR THE PURPOSE IN GOOD COMMERCIAL PRACTICE.
- B. ALL MATERIALS AND EQUIPMENT SHALL BE ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION AS SUITABLE FOR THE USE INTENDED.
- C. ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE.
- D. ALL OVERCURRENT DEVICES SHALL HAVE AN INTERRUPTING RATING EQUAL TO OR GREATER THAN THE SHORT CIRCUIT CURRENT TO WHICH THEY ARE SUBJECTED, 10,000 AIC MINIMUM. VERIFY AVAILABLE SHORT CIRCUIT CURRENT DOES NOT EXCEED THE RATING OF ELECTRICAL EQUIPMENT.

2.2 MATERIALS AND EQUIPMENT:

A. CONDUIT:

1. RIGID GALVANIZED STEEL CONDUIT (RGS) SHALL BE HOT-DIP GALVANIZED INSIDE AND OUTSIDE INCLUDING ENDS AND THREADS AND ENAMELED OR LACQUERED INSIDE IN ADDITION TO GALVANIZING.
2. FLEXIBLE METAL CONDUIT SHALL BE GALVANIZED, ZINC-COATED STEEL, PVC COATED FOR OUTDOOR APPLICATIONS.
3. CONDUIT CLAMPS, STRAPS AND SUPPORTS SHALL BE STEEL OR MALLEABLE IRON. ALL FITTINGS SHALL BE COMPRESSION TYPE AND WATERTIGHT.
4. NON-METALLIC CONDUIT AND FITTINGS SHALL BE SCHEDULE 40 PVC, HEAVY-WALL RIGID WITH SOLVENT-CEMENT-TYPE JOINTS AS RECOMMENDED BY THE MANUFACTURER.

B. WIRE AND CABLE:

1. WIRE AND CABLE SHALL BE FLAME-RETARDANT, MOISTURE AND HEAT RESISTANT THERMOPLASTIC, SINGLE CONDUCTOR, COPPER, TYPE THHN/THWN-2, 600 VOLT, SIZES AS INDICATED, #12 AWG MINIMUM.
2. #10 AWG AND SMALLER CONDUCTORS SHALL BE SOLID AND #8 AWG AND LARGER CONDUCTORS SHALL BE STRANDED.
3. SOLDERLESS, PRESSURE-TYPE CONNECTORS CONSTRUCTED OF HIGH-STRENGTH, NON-CORRODIBLE, TIN-PLATED COPPER DESIGNED TO FURNISH HIGH-PULLOUT STRENGTH AND HIGH CONDUCTIVITY JOINTS SHALL BE USED.
4. SUPPORT GRIPS SHALL BE SINGLE WEAVE, CLOSED MESH, HIGH-GRADE, NON-MAGNETIC, TIN-COATED BRONZE CAPABLE OF SUPPORTING TEN TIMES THE CABLE DEAD WEIGHT, HUBBELL KELLEMS OR APPROVED EQUAL.

C. DISCONNECT SWITCHES:

1. DISCONNECT SWITCHES SHALL BE HEAVY DUTY, DEAD-FRONT, QUICK-MAKE, QUICK-BREAK, EXTERNALLY OPERABLE, HANDLE LOCKABLE AND INTERLOCKED WITH COVER IN CLOSED POSITION, RATING AS INDICATED, UL LABELED FURNISHED IN NEMA 3R ENCLOSURE, SQUARE D CLASS 3110 OR APPROVED EQUAL.

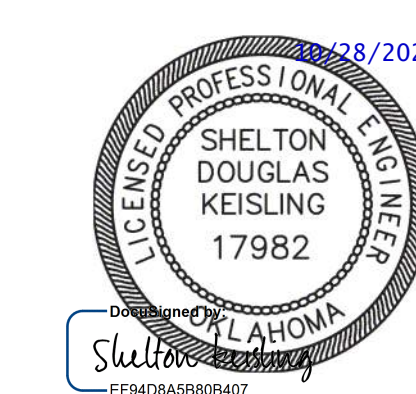
D. SYSTEM GROUNDING:

1. GROUNDING CONDUCTOR SHALL BE SOLID TINNED BARE COPPER, SIZE AS INDICATED, EXCEPT ABOVE GROUND GROUNDING CONDUCTORS SHALL BE STRANDED INSULATED.
2. GROUND BUSES SHALL BE GALVANIZED STEEL BARS OF RECTANGULAR CROSS SECTION.
3. CONNECTORS SHALL BE HIGH-CONDUCTIVITY, HEAVY DUTY, LISTED AND LABELED AS GROUNDING CONNECTORS FOR THE MATERIALS USED. USE TWO-HOLE COMPRESSION LUGS WITH HEAT SHRINK FOR MECHANICAL CONNECTIONS.
4. EXOTHERMIC WELDED CONNECTIONS SHALL BE PROVIDED IN KIT FORM AND SELECTED FOR THE SPECIFIC TYPES, SIZES, AND COMBINATIONS OF CONDUCTORS AND OTHER ITEMS TO BE CONNECTED.
5. GROUND RODS SHALL BE COPPER-CLAD STEEL WITH HIGH-STRENGTH STEEL CORE AND ELECTROLYTIC-GRADE COPPER OUTER SHEATH, MOLTEN WELDED TO CORE, 3/4" x 10'-0".

E. OTHER MATERIALS:

1. THE CONTRACTOR SHALL PROVIDE OTHER MATERIALS, THOUGH NOT SPECIFICALLY DESCRIBED, WHICH ARE REQUIRED FOR A COMPLETELY OPERATIONAL SYSTEM AND PROPER INSTALLATION OF THE WORK.

STAMP:



ENGINEERING LICENSE:			
STATE OF OKLAHOMA			
PE CERTIFICATE OF AUTHORIZATION # 3268PE			
ENGINEER:	PE#:	DISCIPLINE:	
REJ ROBERT E. JENSEN	30773	CIVIL	C
SDK SHELTON D. KEISLING	17982	ELECTRICAL	E
TMS TERRANCE M. SUPER	18027	ELECTRICAL	EE

PLANS PREPARED FOR:



PLANS PREPARED BY:



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SUBMITTALS:				
DESCRIPTION	DATE	BY	REV	
ISSUED FOR REVIEW	09/26/24	CJO	A	
ISSUED FOR REVIEW	10/10/24	IBA	B	
ISSUED FOR PERMITTING	10/23/24	IBA	0	

APPLICANT SITE NAME:

OKLAHOMA CITY

SSC SITE NUMBER:

OK-00002

SITE ADDRESS:

7624 W RENO AVE, STE. EV
OKLAHOMA CITY, OK 73127

SHEET DESCRIPTION:

SPECIFICATIONS
(4 OF 5)

SHEET #:

SP-2.0

PART 3: EXECUTION

3.1 GENERAL:

- A. ALL MATERIALS AND EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- B. EQUIPMENT SHALL BE TIGHTLY COVERED AND PROTECTED AGAINST DIRT OR WATER, AND AGAINST CHEMICAL OR MECHANICAL INJURY DURING INSTALLATION AND CONSTRUCTION PERIODS.

3.2 LABOR AND WORKMANSHIP:

- A. ALL LABOR FOR THE INSTALLATION OF MATERIALS AND EQUIPMENT FURNISHED FOR THE ELECTRICAL SYSTEM SHALL BE DONE BY EXPERIENCED MECHANICS OF THE PROPER TRADES.
- B. ALL ELECTRICAL EQUIPMENT FURNISHED SHALL BE ADJUSTED, ALIGNED AND TESTED BY THE CONTRACTOR AS REQUIRED TO PRODUCE THE INTENDED PERFORMANCE.
- C. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL THOROUGHLY CLEAN ALL EXPOSED EQUIPMENT, REMOVE ALL LABELS AND ANY DEBRIS, CRATING OR CARTONS AND LEAVE THE INSTALLATION FINISHED AND READY FOR OPERATION.

3.3 COORDINATION:

- A. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ELECTRICAL ITEMS WITH THE OWNER-FURNISHED EQUIPMENT DELIVERY SCHEDULE TO PREVENT UNNECESSARY DELAYS IN THE TOTAL WORK.

3.4 INSTALLATION:

A. CONDUIT:

1. ALL ELECTRICAL WIRING SHALL BE INSTALLED IN CONDUIT AS HEREIN SPECIFIED. NO CONDUIT OR TUBING OF LESS THAN 3/4" NOMINAL SIZE SHALL BE USED.
2. PROVIDE RGS CONDUIT FOR ALL EXPOSED, EXTERIOR CONDUIT.
3. PROVIDE SCHEDULE 40 PVC OR RGS CONDUIT BELOW GRADE, 1" MINIMUM, UNLESS NOTED OTHERWISE. ALL 90 DEGREE BENDS TO ABOVE GRADE SHALL BE RGS. MINIMUM BURIAL DEPTH SHALL BE 24" CLEAR TO TOP OF CONDUIT, UNLESS NOTED OTHERWISE.
4. USE GALVANIZED FLEXIBLE STEEL CONDUIT WHERE DIRECT CONNECTION IS NOT DESIRABLE FOR REASONS OF EQUIPMENT MOVEMENT, VIBRATION, OR FOR EASE OF MAINTENANCE. USE LIQUIDTIGHT, PVC COATED FLEXIBLE METAL CONDUIT FOR OUTDOOR APPLICATIONS.
5. INSTALL GALVANIZED FLEXIBLE STEEL CONDUIT AT ALL POINTS OF CONNECTION TO EQUIPMENT MOUNTED ON SUPPORTS TO ALLOW FOR EXPANSION AND CONTRACTION.
6. A RUN OF CONDUIT BETWEEN BOXES OR FITTINGS SHALL NOT CONTAIN MORE THAN THE EQUIVALENT OF FOUR QUARTER-BENDS INCLUDING THOSE BENDS LOCATED IMMEDIATELY AT THE BOX OR FITTING. THE RADIUS OF BENDS SHALL NEVER BE SHORTER THAN THAT OF THE CORRESPONDING TRADE ELBOW.
7. WHERE CONDUIT HAS TO BE CUT IN THE FIELD, IT SHALL BE CUT SQUARE WITH A PIPE CUTTER USING CUTTING KNIVES.
8. ALL CONDUITS SHALL BE SWABBED CLEAN BY PULLING AN APPROPRIATE SIZE MANDREL THROUGH THE CONDUIT BEFORE INSTALLATION OF WIRE OR CABLE. CLEAR ALL BLOCKAGES AND REMOVE BURRS, DIRT, AND DEBRIS.
9. INSTALL PULL STRINGS IN ALL EMPTY CONDUITS. IDENTIFY PULL STRINGS AT EACH END WITH ITS DESTINATION.
10. PROVIDE INSULATED GROUNDING BUSHINGS FOR ALL CONDUITS STUBBED INTO EQUIPMENT ENCLOSURES OR STUBBED OUT FOR FUTURE USE BY OTHERS.
11. CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL CONDUITS DURING CONSTRUCTION. TEMPORARY OPENINGS IN THE CONDUIT SYSTEM SHALL BE PLUGGED OR CAPPED TO PREVENT ENTRANCE OF MOISTURE OR FOREIGN MATTER. CONTRACTOR SHALL REPLACE ANY CONDUITS CONTAINING FOREIGN MATERIALS THAT CANNOT BE REMOVED.
12. INSTALL 2" ORANGE DETECTABLE TAPE 12" ABOVE ALL UNDERGROUND CONDUIT AND WIRE.
13. CONDUITS SHALL BE INSTALLED IN SUCH A MANNER AS TO INSURE AGAINST COLLECTION OF TRAPPED CONDENSATION.
14. WHERE CONDUITS CONTAIN CONDUCTORS, SEAL BOTH ENDS WATERTIGHT USING DUCT SEAL OR AN EQUIVALENT SEALING COMPOUND.

B. WIRE AND CABLE:

1. ALL POWER WIRING SHALL BE COLOR CODED AS FOLLOWS:

DESCRIPTION	120/240V	208Y/120V	480Y/277V
PHASE A	BLACK	BLACK	BROWN
PHASE B	RED	RED	ORANGE
PHASE C		BLUE	YELLOW
NEUTRAL	WHITE	WHITE	GRAY
GROUND	GREEN	GREEN	GREEN

2. SPLICES SHALL BE MADE ONLY AT OUTLETS, JUNCTION BOXES, OR ACCESSIBLE RACEWAYS WITH PRESSURE-TYPE CONNECTORS.
3. PULLING LUBRICANTS SHALL BE SOAPSTONE POWDER, POWDERED TALC, OR A COMMERCIAL PULLING COMPOUND. NO SOAP SUDS, SOAP FLAKES, OIL, OR GREASE SHALL BE USED, AS THESE MAY BE HARMFUL TO CABLE INSULATION. CONTRACTOR SHALL USE NYLON OR HEMP ROPE FOR PULLING CABLE TO AVOID SCORING THE CONDUIT.
4. CABLES SHALL BE NEATLY TRAINED, WITHOUT INTERLACING, AND BE OF SUFFICIENT LENGTH IN ALL BOXES, EQUIPMENT, ETC. TO PERMIT MAKING A NEAT ARRANGEMENT. CABLES SHALL BE SECURED IN A MANNER TO AVOID TENSION ON CONDUCTORS OR TERMINALS, AND SHALL BE PROTECTED FROM MECHANICAL INJURY AND FROM MOISTURE. SHARP BENDS OVER CONDUIT BUSHINGS ARE PROHIBITED. DAMAGED CABLES SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.

C. DISCONNECT SWITCHES:

1. INSTALL DISCONNECT SWITCHES LEVEL AND PLUMB. CONNECT TO WIRING SYSTEM AND GROUND AS INDICATED.

D. GROUNDING:

1. ALL METALLIC PARTS OF ELECTRICAL EQUIPMENT WHICH DO NOT CARRY CURRENT SHALL BE GROUNDED IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE.
2. PROVIDE ELECTRICAL GROUNDING AND BONDING SYSTEMS INDICATED WITH ASSEMBLY OF MATERIALS, INCLUDING GROUNDING ELECTRODES, BONDING JUMPERS AND ADDITIONAL ACCESSORIES AS REQUIRED FOR A COMPLETE INSTALLATION.
3. ROUTE GROUNDING CONNECTIONS AND CONDUCTORS TO GROUND IN THE SHORTEST AND STRAIGHTEST PATHS POSSIBLE TO MINIMIZE TRANSIENT VOLTAGE RISES.
4. TIGHTEN GROUNDING AND BONDING CONNECTORS, INCLUDING SCREWS AND BOLTS, IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED TORQUE TIGHTENING VALUES FOR CONNECTORS AND BOLTS. WHERE MANUFACTURER'S TORQUING REQUIREMENTS ARE NOT AVAILABLE, TIGHTEN CONNECTIONS TO COMPLY WITH TIGHTENING TORQUE VALUES SPECIFIED IN UL 486A TO ASSURE PERMANENT AND EFFECTIVE GROUNDING.
5. ALL UNDERGROUND GROUNDING CONNECTIONS SHALL BE MADE BY THE EXOTHERMIC WELD PROCESS AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
6. ALL GROUNDING CONNECTIONS SHALL BE INSPECTED FOR TIGHTNESS. CONNECTIONS SHALL BE APPROVED BY THE CONSTRUCTION INSPECTOR BEFORE BEING PERMANENTLY CONCEALED.
7. APPLY CORROSION-RESISTANT FINISH TO FIELD CONNECTIONS, AND PLACES WHERE FACTORY APPLIED PROTECTIVE COATINGS HAVE BEEN DESTROYED. USE COPPER-BASED "NO-OX" OR APPROVED EQUAL.
8. A SEPARATE, CONTINUOUS, INSULATED EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED IN ALL FEEDER AND BRANCH CIRCUITS.
9. BOND ALL INSULATED GROUNDING BUSHINGS WITH A BARE #6 AWG GROUNDING CONDUCTOR TO A GROUND BUS OR GROUNDING LUG IN ENCLOSURE.
10. DIRECT BURIED GROUND CONDUCTORS SHALL BE INSTALLED AT A NOMINAL DEPTH OF 30" BELOW GRADE, UNLESS NOTED OTHERWISE.
11. ALL GROUNDING CONDUCTORS EMBEDDED IN OR PENETRATING CONCRETE SHALL BE INSULATED OR INSTALLED IN PVC CONDUIT.
12. INSTALL ELECTROLYTIC GROUNDING SYSTEM IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. REMOVE SEALING TAPE FROM LEACHING AND BREATHER HOLES. INSTALL PROTECTIVE BOX FLUSH WITH GRADE.
13. DRIVE GROUND RODS UNTIL TOPS ARE 30" BELOW FINAL GRADE.
14. GROUNDING CONDUCTOR TO EQUIPMENT GROUND LUGS:
 - a. BOLTED TO EQUIPMENT HOUSING WITH STAINLESS STEEL BOLTS AND LOCK WASHERS.
 - b. ALL EQUIPMENT TO BE GROUNDED SHALL BE FREE OF PAINT OR ANY OTHER MATERIAL COVERING BARE METAL AT THE POINT OF CONNECTION.

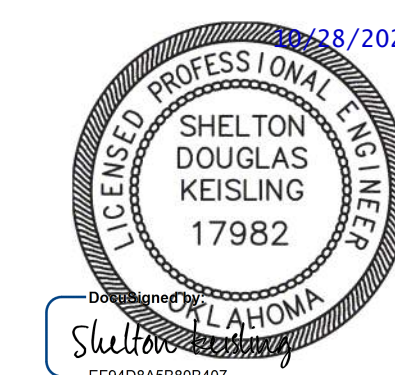
3.5 ACCEPTANCE TESTING:

- A. PROVIDE PERSONNEL AND EQUIPMENT, MAKE REQUIRED TESTS, AND SUBMIT TEST REPORTS UPON COMPLETION OF TESTS.
- B. WHEN MATERIAL AND/OR WORKMANSHIP IS FOUND NOT TO COMPLY WITH THE SPECIFIED REQUIREMENTS, THE NONCOMPLYING ITEMS SHALL BE REMOVED FROM THE JOBSITE AND REPLACED WITH ITEMS COMPLYING WITH THE SPECIFIED REQUIREMENTS PROMPTLY AFTER RECEIPT OF NOTICE OF SUCH NON-COMPLIANCE.
- C. TEST PROCEDURES:
 1. ALL FEEDERS SHALL HAVE THEIR INSULATION TESTED AFTER INSTALLATION, BUT BEFORE CONNECTION TO DEVICES. THE CONDUCTORS SHALL TEST FREE FROM SHORT CIRCUITS AND GROUNDS. TESTING SHALL BE FOR ONE MINUTE USING 1000V DC. INVESTIGATE ANY VALUES LESS THAN 50 MEGAOHMS.
 2. PRIOR TO ENERGIZING CIRCUITRY, TEST WIRING DEVICES FOR ELECTRICAL CONTINUITY AND PROPER POLARITY CONNECTIONS.
 3. MEASURE AND RECORD VOLTAGES BETWEEN PHASES AND BETWEEN PHASE WIRES AND NEUTRALS. SUBMIT A REPORT OF MAXIMUM AND MINIMUM VOLTAGES.
 4. PERFORM GROUND TEST TO MEASURE GROUND RESISTANCE OF GROUNDING SYSTEM USING THE IEEE STANDARD 3-POINT "FALL-OF-POTENTIAL" METHOD. PROVIDE PLOTTED TEST VALUES & LOCATION SKETCH. NOTIFY THE ENGINEER IMMEDIATELY IF MEASURED VALUE IS OVER 5 OHMS.

END OF SECTION

END OF SPECIFICATION

STAMP:



ENGINEERING LICENSE:
STATE OF OKLAHOMA

PE CERTIFICATE OF AUTHORIZATION # 3269PE

ENGINEER:	PE#:	DISCIPLINE:	
REJ ROBERT E. JENSEN	30773	CIVIL	C
SDK SHELTON D. KEISLING	17982	ELECTRICAL	EE
TMS TERRANCE M. SUPER	18027	ELECTRICAL	EE

PLANS PREPARED FOR:



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APPLICANT SITE NAME:

OKLAHOMA CITY

SSC SITE NUMBER:

OK-00002

SITE ADDRESS:

7624 W RENO AVE, STE. EV
OKLAHOMA CITY, OK 73127

SHEET DESCRIPTION:

SPECIFICATIONS
(5 OF 5)

SHEET #:

SP-2.1

Technical Specifications

3 Channel DC Power Cabinet

Power Module	Max Output Power	50kW
	Max Output Current	125A
	Power Factor	0.99
	Cooling Method	Liquid

Cabinet	AC Input Voltage	480Y/277 VAC (60Hz)
	AC Input Connection	3-phase L1, L2, L3, GND (no neutral)
	Full Load AC Amps	448 A
	Short Circuit Rating	100 kA
	Max Output Power	300 kW DC
	Output Voltage	200-920 V DC
	Total Output Current	750 A DC (continuous)
	Max Output Current per Channel *	500 A DC (continuous)
	Number of DC Output Channels	3
	Number of DC Dispensers Served	Up to 3
	Number of Power Modules per Cabinet	6
	Dimensions	2,362 H x 1,219 D x 1,118 W mm
	Weight	1,200 kg
	Enclosure Rating	3R



* The 3 Channel DC Power Cabinet can be installed with either Adventure Network Dispenser or Fleet Dispenser. Max output current per channel is determined by the paired dispenser's rated current.

Technical Specifications

Rivian Adventure Network 1.5 CCS Dispenser



Overview		
	Max Output Power	300 kW DC
	Max Output Current	500 A DC (continuous)
	Output Voltage Range	200-920 V DC
	Connector Type	CCS1
	Dimensions	exp 2,267 H x 595 D x 390 W mm
	Weight	exp 180 kg
	Enclosure Rating	exp 3R
	Certification	exp ETL
	Accessibility	ADA Compliant
	Payment	NFC Contactless Credit Card Reader
	Language	English, Spanish

Connectivity		
	Local Area Network	100BASE-T ethernet
	Wide Area Network	4G LTE
	Vehicle Communications	DIN 70121, ISO 15118
	Backend Communication	exp OCPP 2.0.1
	Compliance	exp UL 2202 / CSA C22.2 No. 107.1, FCC Part 15
	Software	Over-the-air firmware updates

Environmental		
	Operational Altitude	exp 7000ft
	Operating Temperature	exp -20°C to 40°C
	Storage Temperature	exp -35°C to 70°C
	Operating Humidity	exp 0-100%

RAN 1.5 CCS Dispenser Product is under development. Specification can change without prior notice