

H:\VERIZON\TEXAS\E\_Jones\_St-764628\Project Assigned Number\CANDL\_PROD DWGS\E Jones St-01-T1 TITLE.dwg, 5/23/2025 11:28:56 AM, juan



SITE NAME  
**E JONES ST**  
MDG: 5000915429  
SPM: 17148134

E911 ADDRESS:  
1554 N I-35 E  
LEWISVILLE, DENTON COUNTY, TEXAS 75057

PARCEL/PROPERTY ADDRESS:  
1550 N STEMMONS FWY  
LEWISVILLE, DENTON COUNTY, TEXAS 75057

PROJECT DATA

APPLICANT:	LANDLORD:
VERIZON WIRELESS 600 HIDDEN RIDGE IRVING, TX 75038 CONTACT: ALFREDO HERNAEZ PHONE: (817) 975-8399	CECILE DALTON FAMILY FUNERAL HOME, LTD. 1550 NORTH STEMMONS FREEWAY LEWISVILLE, TEXAS, 75057 CONTACT: CECILE DALTON PHONE: 972-436-6511
JURISDICTION:	CITY OF LEWISVILLE
CONSTRUCTION TYPE:	UNMANNED TELECOMMUNICATIONS
GROUND ELEVATION:	555.2' AMSL
LATITUDE:	33° 03' 57.77" N
LONGITUDE:	97° 00' 50.38" W

PROJECT PARTICIPANTS

ARCHITECTS / ENGINEERS ARCHCOMM LLC. 1006 BECKETT SAN ANTONIO, TEXAS 78213 PHONE: (210) 308-9905 FIRM NUMBER: F-15659	ELECTRICAL ENGINEER EDWARD C. MONACO P.E., INC. 2318 SAN PEDRO AVE., STE #2 SAN ANTONIO, TEXAS 78212 PHONE: (210) 541-0200
CONSTRUCTION ENGINEER ALFREDO HERNAEZ (817) 975-8399	SURVEYOR 3D DESIGN & ENGINEERING, INC. 21502 E. WINTER VIOLET CT CYPRESS, TEXAS 77433 PHONE: (832) 510-9621
CONSTRUCTION MANAGER TRACY REEVES (682) 831-3245	

BUILDING CODES

THIS PROJECT WAS DESIGNED IN ACCORDANCE WITH:

- 2021 INTERNATIONAL BUILDING CODE
- 2020 NATIONAL ELECTRIC CODE

UTILITIES

ELECTRIC COMPANY  
DME  
  
TELCO PROVIDER:  
TBD

PROPRIETARY INFORMATION

NOT FOR USE OR DISCLOSURE OUTSIDE VERIZON WIRELESS EXCEPT UNDER WRITTEN AGREEMENT

PROJECT INFORMATION

PARENT TRACT LEGAL DESCRIPTION:  
AS RECORDED IN FILE NUMBER 2004-29917 OF THE OFFICIAL RECORDS OF DENTON COUNTY, TEXAS - BEING ALL THAT CERTAIN LOT, TRACT OR PARCEL OF LAND SITUATED IN THE STEPHEN RIGGS SURVEY, ABSTRACT NO. 1088, DENTON COUNTY, TEXAS, AND BEING A PART OF A 6.744-ACRE TRACT CONVEYED BY T.R. SMITH TO W.H. DALTON ON FEBRUARY 20, 1969, AS RECORDED IN VOLUME 580, PAGE 567, DEED RECORDS, DENTON COUNTY, TEXAS.

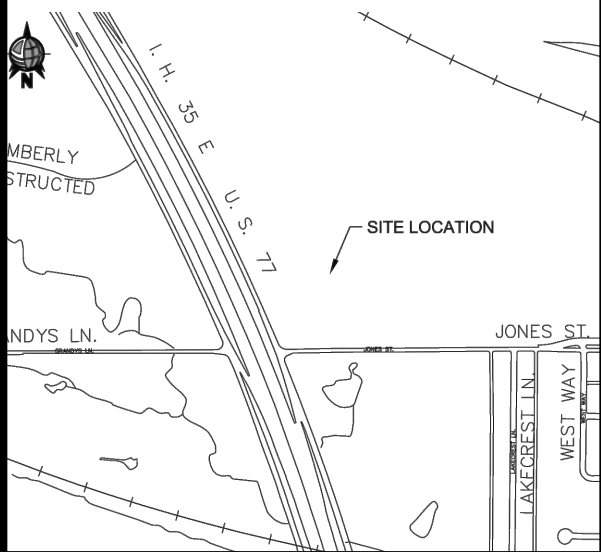
LESSEE'S PROPOSED PREMISES DESCRIPTION:  
BEING A LESSEE'S PROPOSED 30'x40' PREMISES CONTAINING 0.0275 (1,200.0 SQ. FT.) OF LAND LOCATED IN THE STEPHEN RIGGS SURVEY, ABSTRACT NO. 1088, DENTON COUNTY, TEXAS, AND BEING OUT OF AND PART OF A 1.544-ACRE TRACT CONVEYED TO CECIL DALTON FAMILY FUNERAL HOME LTD AS RECORDED IN FILE NO. 2004-29917 OF THE OFFICIAL PUBLIC RECORDS OF DENTON COUNTY, TEXAS, SAID 0.0275-ACRE TRACT WITH ALL CONTROL REFERRED TO THE TEXAS STATE PLANE COORDINATE SYSTEM, NORTH CENTRAL ZONE (4202) NORTH AMERICAN DATUM OF 1983.

TOTAL ACREAGE: 1.544 ACRES  
PROJECT SITE ACREAGE: 0.0275 ACRES

SCOPE OF WORK

PROPOSED DEVELOPMENT OF AN UNMANNED WIRELESS FACILITY CONSISTING OF NEW EQUIPMENT CABINETS ON 4'x14' PAD, NEW GENERATOR ON 4'x8' PAD, NEW PERFECT VISION ANTENNA MOUNT WITH DIRECTIONAL ANTENNAS AND RADIO EQUIPMENT, & NEW GPS. THE FACILITY WILL HAVE A FENCED COMPOUND. ANTENNAS TO BE MOUNTED ON NEW STEEL MONOPOLE TOWER.

VICINITY MAP  
NOT TO SCALE



SHEET INDEX

T1	TITLE SHEET
P1	SITE PHOTOGRAPHS
	SURVEY
N1	GENERAL NOTES
L1.0	OVERALL LANDSCAPE PLANTING PLAN
L1.1	ENLARGED LANDSCAPE PLANTING PLAN
L2.0	LANDSCAPE SPECIFICATIONS
L11.0	IRRIGATION NOTES & LEGEND
L11.1	IRRIGATION PLAN
L12.1	IRRIGATION DETAILS
L12.2	IRRIGATION DETAILS
L12.3	IRRIGATION DETAILS
C1	SEDIMENT AND EROSION CONTROL & GRADING PLAN
A0	AERIAL SITE PLAN
A1	SITE PLAN
A1-1	DETAIL SITE PLAN
A1-2	EQUIPMENT PLAN
A2	SITE ELEVATION
A2-1	ANTENNA MOUNT DETAILS
D1	GENERAL DETAILS
D2	ENCLOSURE DETAILS
D3	METER FRAME DETAILS
D3-1	UTILITY FRAME DETAILS
D4	FIBER HAND HOLE DETAILS
D5	EROSION CONTROL
S1	FOUNDATION PLANS & DETAILS
G1	GROUNDING PLAN
G2	GROUNDING DETAILS
G2-1	GROUNDING DETAILS
G3	TOWER GROUNDING DETAILS
G4	CONNECTION DETAILS
E1	SITE PLAN
E2	EQUIPMENT PLAN
E3	DETAILS & NOTES
E4	ELECTRICAL RISER
E5	ELECTRICAL SPECIFICATIONS

APPENDIX  
1 - 4 ANTENNA MOUNT  
5 - 7 GENERATOR SPECIFICATIONS  
8 - 13 PERFECT VISION CANOPY SPECIFICATIONS



E JONES ST  
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1554 N I-35 E  
LEWISVILLE, DENTON COUNTY, TEXAS 75057  
(5000915429)



  
**ARCHCOMM, LLC.**  
1006 Beckett  
San Antonio, Texas 78213  
(210) 308-9905  
TBPE NO. F-15659

SHEET TITLE

**TITLE SHEET**

SHEET HISTORY

06.18.24	REV. SET 2 - UPDATE DETAIL
10.18.24	REV. SET 3 - COMMENTS
12.18.24	REV. SET 4 - ADD LANDSCAPE
01.17.25	REV. SET 5 - COMMENTS
04.10.25	REV. SET 6 - ADD IRRIGATION
05.23.25	REV. SET 7 - COMMENTS

**T1**

THESE DRAWINGS ARE THE PROPERTY OF VERIZON WIRELESS. THEY ARE INTENDED FOR THE EXCLUSIVE USE OF THIS PROJECT ONLY. ANY RE-USE OF THESE PLANS (DRAWINGS) WITHOUT THE EXPRESS WRITTEN CONSENT OF VERIZON WIRELESS IS PROHIBITED.



Y:\Projects\VERIZON\TEXAS\E\_Jones\_St-764628\Project Assigned Number\CAND\PROD DWGS\E Jones St-02-P1 PHOTOS.dwg, 4/10/2024 2:09:55 PM, JPgarcia



1 SITE PHOTOGRAPH

NOTE: REFER TO SHEET A1 AND/OR A1-1 FOR LOCATIONS FROM WHICH PHOTOS WERE TAKEN



2 SITE PHOTOGRAPH



3 SITE PHOTOGRAPH



4 SITE PHOTOGRAPH

verizon

E JONES ST  
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1550 N STEMMONS FWY  
LEWISVILLE, DENTON COUNTY, TEXAS 75057  
(5000915429)

04.11.24

STATE OF TEXAS

AARON M. STAAS

104806

PROFESSIONAL ENGINEER

ARCHCOMM, LLC.  
1006 Beckett  
San Antonio, Texas 78213  
(210) 308-9905  
TBPE NO. F-15659

SHEET TITLE

SITE PHOTOGRAPHS

SHEET HISTORY

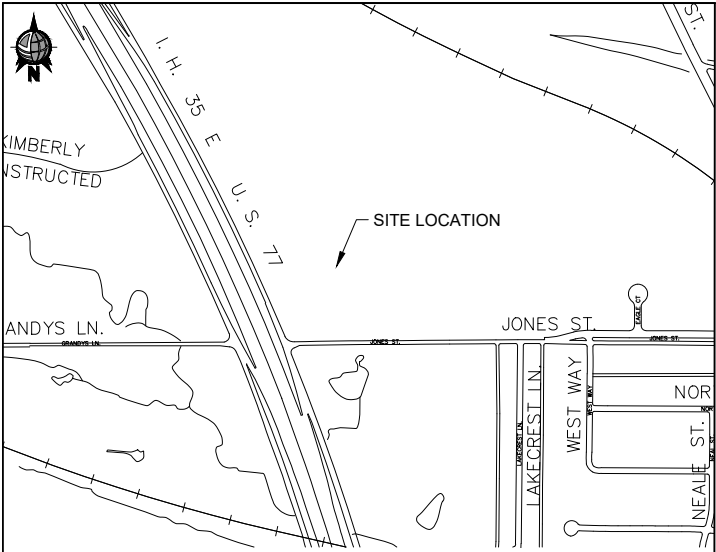
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04.11.24 FCD

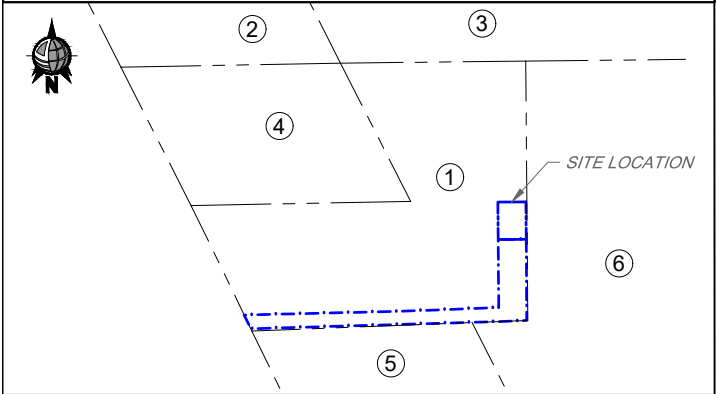
P1

THESE DRAWINGS ARE THE PROPERTY OF VERIZON WIRELESS. THEY ARE INTENDED FOR THE EXCLUSIVE USE OF THIS PROJECT ONLY. ANY RE-USE OF THESE PLANS (DRAWINGS) WITHOUT THE EXPRESS WRITTEN CONSENT OF VERIZON WIRELESS IS PROHIBITED.





VICINITY MAP (SCALE: 1" = 1,000')



PROPERTY MAP (N.T.S.)

ADJOINER TABLE		
#	OWNER	PARCEL ID
1	CECIL DALTON FAMILY FUNERAL HOME LTD	17689
2	ADOBE XL LLC	17694
3	WHITTLE JERRY V	225745
4	WHITTLE PROP LLC	17692
5	ONCOR ELECTRIC DELIVERY CO	17681
6	TMPA	535683

ABBREVIATIONS

A.M.S.L.	AVERAGE MEAN SEA LEVEL
A.E.	ACCESS EASEMENT
B.L.	BUILDING LINE
B.W.	BARBED WIRE
C.L.	CHAIN LINK
D.E.	DRAINAGE EASEMENT
EX.	EXISTING
FN	FILE NUMBER
FND	FOUND
I.P.	IRON PIPE
I.R.	IRON ROD
O.P.R.D.C.T.	OFFICIAL PUBLIC RECORDS OF DENTON COUNTY, TEXAS
POB	POINT OF BEGINNING
POC	POINT OF COMMENCEMENT
OH	OVERHEAD
ROW	RIGHT-OF-WAY
STM.S.E.	STORM SEWER EASEMENT
S.S.E.	SANITARY SEWER EASEMENT
TBM	TEMPORARY BENCHMARK
TYP	TYPICAL
U.E.	UTILITY EASEMENT
W.L.E.	WATER LINE EASEMENT

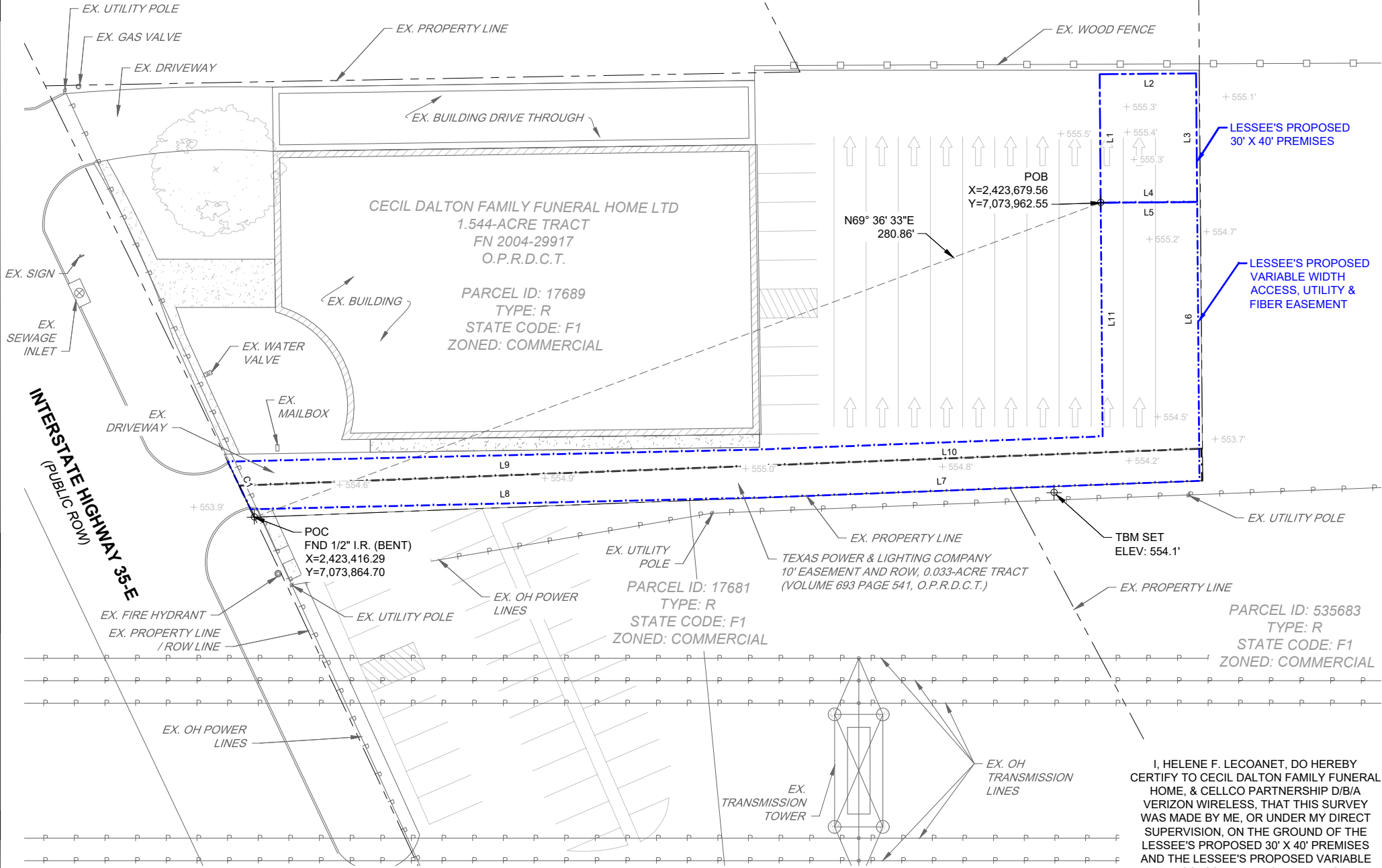
LEGEND

LESSEE'S PREMISES	EX. EASEMENT
LESSEE'S EASEMENT	EX. PROPERTY LINE
EX. WROUGHT IRON FENCE	EX. OH POWER LINES
EX. B.W. FENCE	EX. UTILITY POLE
EX. WOOD FENCE	EX. TELCO PEDESTAL
EX. HIGH BANK	EX. MANHOLE

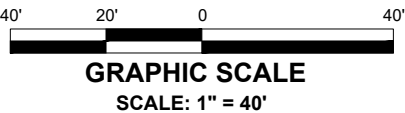
LINE TABLE		
LINE #	DISTANCE	BEARING
L1	40.00'	N00° 28' 08"W
L2	30.00'	N89° 31' 52"E
L3	40.00'	S00° 28' 08"E
L4	30.00'	S89° 31' 52"W
L5	30.00'	N89° 31' 52"E
L6	86.81'	S00° 28' 08"E
L7	136.91'	S87° 48' 18"W
L8	158.38'	S88° 42' 06"W
L9	165.47'	N88° 42' 06"E
L10	106.77'	N87° 48' 18"E
L11	72.72'	N00° 28' 08"W

CURVE TABLE					
CURVE #	LENGTH	RADIUS	DELTA	CHORD DIRECTION	CHORD LENGTH
C1	16.45'	11584.00'	00° 04' 53"	N25° 31' 31"W	16.45'

PARCEL ID: 17692  
TYPE: R  
STATE CODE: F1  
ZONED: COMMERCIAL



FAA 1A INFORMATION	
LATITUDE	33.066048°
LONGITUDE	-97.013994°
ELEVATION	555.2' A.M.S.L.



STEPHEN RIGGS SURVEY, A-1088

NOTE: PREMISES AND ASSOCIATED EASEMENT SHALL BE CLEARED AS REQUIRED FOR CONSTRUCTION.



PARCEL ID: 535683  
TYPE: R  
STATE CODE: F1  
ZONED: COMMERCIAL

SURVEY PREPARED FOR:

**verizon**  
600 HIDDEN RIDGE  
IRVING, TX 75038  
PHONE: (678) 339-4247  
FAX: (972) 718-1967

SURVEY PREPARED BY:

**3DD&E**  
3D DESIGN & ENGINEERING INC.  
DEPARTMENT OF SURVEYING  
21502 E WINTER VIOLET CT  
CYPRESS, TX. 77433  
PHONE: 832-510-9621  
www.3ddne.com  
INFO@3DDNE.COM  
TEXAS REGISTRATION NO. 10194603

REV	DATE	DESCRIPTION	BY

SITE EXHIBIT AND DESCRIPTION

**VERIZON WIRELESS - TEXAS AREA**  
**EAST\_JONES\_ST**  
INTERSTATE HIGHWAY 35-E  
LEWISVILLE, TX, 75057  
MDG LOCATION ID: 5000915429



HELENE F. LECOANET, RPLS  
TEXAS REGISTRATION NO. 6567

DRAWN BY:	MAV
CHECKED BY:	HL
DATE:	1/8/2025

SHEET 1 OF 2

SURVEY NOT VALID WITHOUT ALL SHEETS

I, HELENE F. LECOANET, DO HEREBY CERTIFY TO CECIL DALTON FAMILY FUNERAL HOME, & CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, THAT THIS SURVEY WAS MADE BY ME, OR UNDER MY DIRECT SUPERVISION, ON THE GROUND OF THE LESSEE'S PROPOSED 30' X 40' PREMISES AND THE LESSEE'S PROPOSED VARIABLE WIDTH ACCESS, UTILITY & FIBER EASEMENT HEREIN DESCRIBED, AND THE RESULTS OF SAID SURVEY ARE REPRESENTED HEREON TO THE BEST OF MY PROFESSIONAL KNOWLEDGE AND BELIEF.

PARENT TRACT LEGAL DESCRIPTION:

(AS RECORDED IN FILE NUMBER 2004-29917 OF THE OFFICIAL RECORDS OF DENTON COUNTY, TEXAS)

BEING ALL THAT CERTAIN LOT, TRACT OR PARCEL OF LAND SITUATED IN THE S. RIGGS SURVEY, ABSTRACT NO. 1088, DENTON COUNTY, TEXAS, AND BEING PART OF A 6.744 ACRE TRACT CONVEYED BY T.R. SMITH TO W.H. DALTON ON FEBRUARY 20, 1969, AS RECORDED IN VOLUME 580, PAGE 567, DEED RECORDS, DENTON COUNTY, TEXAS, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT AN IRON PIN AT THE MOST NORTHERLY NORTHWEST CORNER OF SAID 6.744 ACRE TRACT; THENCE SOUTH 89 DEGREES 34 MINUTES EAST, 198.0 FEET TO AN IRON PIN;

THENCE SOUTH 00 DEGREES 34 MINUTES 50 SECONDS WEST, 277.3 FEET TO AN IRON PIN;

THENCE SOUTH 88 DEGREES 51 MINUTES WEST, 295.22 FEET TO AN IRON PIN ON THE EAST RIGHT OF WAY LINE OF INTERSTATE HIGHWAY 35-E;

THENCE NORTHWESTERLY ALONG THE EAST RIGHT OF WAY OF SAID HIGHWAY, AND WITH A CURVE TO THE LEFT, WHOSE CHORD IS NORTH 24 DEGREES 47 MINUTES 23 SECONDS WEST, A TOTAL DISTANCE OF 149.17 FEET TO AN IRON PIN;

THENCE EAST, 234.8 FEET TO AN IRON PIN;

THENCE NORTH 25 DEGREES 50 MINUTES WEST, 166.07 FEET TO THE PLACE OF BEGINNING AND CONTAINING IN ALL 1.544 ACRES OF LAND, MORE OR LESS.

LESSEE'S PROPOSED 30'X40' PREMISES DESCRIPTION:

BEING A LESSEE'S PROPOSED 30'X40' PREMISES CONTAINING 0.0275 ACRES (1,200.00 SQUARE FEET) OF LAND LOCATED IN THE STEPHEN RIGGS SURVEY, ABSTRACT NO. 1088, DENTON COUNTY, TEXAS, AND BEING OUT OF AND PART OF A 1.544-ACRE TRACT CONVEYED TO CECIL DALTON FAMILY FUNERAL HOME LTD AS RECORDED IN FILE NUMBER 2004-29917 OF THE OFFICIAL PUBLIC RECORDS OF DENTON COUNTY, TEXAS, SAID 0.0275-ACRE TRACT BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS WITH ALL CONTROL REFERRED TO THE TEXAS STATE PLANE COORDINATE SYSTEM, NORTH CENTRAL ZONE (4202), NORTH AMERICAN DATUM OF 1983:

COMMENCING AT A FOUND 1/2" IRON ROD (BENT) BEING THE SOUTHWEST CORNER OF SAID 1.544-ACRE TRACT LYING IN THE EASTERLY RIGHT-OF-WAY LINE OF INTERSTATE HIGHWAY 35-E AND HAVING A STATE PLANE COORDINATE VALUE OF X=2,423,416.29 (E), Y=7,073,864.70 (N);

THENCE NORTH 69 DEGREES 36 MINUTES 33 SECONDS EAST, 280.86 FEET TO THE POINT OF BEGINNING AND SOUTHWEST CORNER OF THE HEREIN DESCRIBED TRACT HAVING A STATE PLANE COORDINATE VALUE OF X=2,423,679.56 (E), Y=7,073,962.55 (N);

THENCE NORTH 00 DEGREES 28 MINUTES 08 SECONDS WEST, 40.00 FEET TO THE NORTHWEST CORNER OF THE HEREIN DESCRIBED TRACT;

THENCE NORTH 89 DEGREES 31 MINUTES 52 SECONDS EAST, 30.00 FEET TO THE NORTHEAST CORNER OF THE HEREIN DESCRIBED TRACT;

THENCE SOUTH 00 DEGREES 28 MINUTES 08 SECONDS EAST, 40.00 FEET TO THE SOUTHEAST CORNER OF THE HEREIN DESCRIBED TRACT;

THENCE SOUTH 89 DEGREES 31 MINUTES 52 SECONDS WEST, 30.00 FEET TO THE POINT OF BEGINNING, CONTAINING 0.0275 ACRES (1,200.00 SQUARE FEET) OF LAND.

LESSEE'S PROPOSED VARIABLE WIDTH ACCESS, UTILITY, AND FIBER EASEMENT DESCRIPTION:

BEING A LESSEE'S PROPOSED VARIABLE WIDTH ACCESS, UTILITY, AND FIBER EASEMENT CONTAINING 0.1526 ACRES (6,648.01 SQUARE FEET) OF LAND LOCATED IN THE STEPHEN RIGGS SURVEY, ABSTRACT NO. 1088, DENTON COUNTY, TEXAS, AND BEING OUT OF AND PART OF A 1.544-ACRE TRACT CONVEYED TO CECIL DALTON FAMILY FUNERAL HOME LTD AS RECORDED IN FILE NUMBER 2004-29917 OF THE OFFICIAL PUBLIC RECORDS OF DENTON COUNTY, TEXAS, SAID 0.1526-ACRE TRACT BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS WITH ALL CONTROL REFERRED TO THE TEXAS STATE PLANE COORDINATE SYSTEM, NORTH CENTRAL ZONE (4202), NORTH AMERICAN DATUM OF 1983:

COMMENCING AT A FOUND 1/2" (BENT) IRON ROD BEING THE SOUTHWEST CORNER OF SAID 1.544-ACRE TRACT LYING IN THE EASTERLY RIGHT-OF-WAY LINE OF INTERSTATE HIGHWAY 35-E AND HAVING A STATE PLANE COORDINATE VALUE OF X=2,423,416.29 (E), Y=7,073,864.70 (N);

THENCE NORTH 69 DEGREES 36 MINUTES 33 SECONDS EAST, 280.86 FEET TO THE POINT OF BEGINNING AND NORTHERLY CORNER OF THE HEREIN DESCRIBED TRACT HAVING A STATE PLANE COORDINATE VALUE OF X=2,423,679.56 (E), Y=7,073,962.55 (N);

THENCE NORTH 89 DEGREES 31 MINUTES 52 SECONDS EAST, 30.00 FEET TO THE NORTHEAST CORNER OF THE HEREIN DESCRIBED TRACT;

THENCE SOUTH 00 DEGREES 28 MINUTES 08 SECONDS EAST, 86.81 FEET TO THE SOUTHEAST CORNER OF THE HEREIN DESCRIBED TRACT, LYING IN THE SOUTHERLY PROPERTY LINE OF SAID 1.544-ACRE TRACT;

THENCE SOUTH 87 DEGREES 48 MINUTES 18 SECONDS WEST, 136.91 FEET ALONG SAID SOUTHERLY PROPERTY LINE OF THE 1.544-ACRE TRACT TO A SOUTHERLY CORNER OF THE HEREIN DESCRIBED TRACT;

THENCE SOUTH 88 DEGREES 42 MINUTES 06 SECONDS WEST, 158.38 FEET TO THE SOUTHWEST CORNER OF THE HEREIN DESCRIBED TRACT LYING IN SAID EASTERLY RIGHT-OF-WAY LINE OF INTERSTATE HIGHWAY 35-E COMMON WITH THE WESTERLY PROPERTY LINE OF SAID 15.444-ACRE TRACT;

THENCE NORTHWESTERLY ALONG A CURVE TO THE LEFT AND SAID COMMON LINE, THROUGH A CENTRAL ANGLE OF 00 DEGREES 04 MINUTES 53 SECONDS TO THE WEST CORNER OF THE HEREIN DESCRIBED TRACT, SAID CURVE HAVING A RADIUS OF 11,584.00 FEET, AN ARC LENGTH OF 16.45 FEET AND A LONG CHORD BEARING NORTH 25 DEGREES 31 MINUTES 31 SECONDS WEST, 16.45 FEET

THENCE NORTH 88 DEGREES 42 MINUTES 06 SECONDS EAST, 165.47 FEET TO A NORTHERLY CORNER OF THE HEREIN DESCRIBED TRACT;

THENCE NORTH 87 DEGREES 48 MINUTES 18 SECONDS EAST, 106.77 FEET TO AN INTERIOR ELL NORTHERLY CORNER OF THE HEREIN DESCRIBED TRACT;

THENCE NORTH 00 DEGREES 28 MINUTES 8 SECONDS WEST, 72.72 FEET TO THE POINT OF BEGINNING, CONTAINING 0.1526 ACRES (6,648.01 SQUARE FEET) OF LAND.

GENERAL NOTES:

- ALL BEARINGS ARE GRID BEARINGS BASED ON TEXAS STATE PLANE COORDINATE SYSTEM, NORTH CENTRAL ZONE (4202), NORTH AMERICAN DATUM OF 1983 AND ARE ROUNDED TO THE NEAREST SECOND. ALL DISTANCES ARE REPRESENTED IN GRID VALUES, BASED ON SAID HORIZONTAL DATUM AND ARE MEASURED IN US SURVEY FEET TO THE NEAREST HUNDREDTH OF FOOT.
- ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (GEOID18) AND ARE DETERMINED TO THE NEAREST TENTH OF FOOT.
- PROVIDED ELEVATIONS, LATITUDE AND LONGITUDE VALUES ARE FROM GPS OBSERVATIONS (TYPE OF EQUIPMENT: TRIMBLE R2-TDC600, DATE OF SURVEY: 08/22/2023).
- BASIS OF BEARING: GPS OBSERVATIONS CONDUCTED AT THE TIME OF THE SURVEY.
- BASIS OF ELEVATION: GPS OBSERVATIONS CONDUCTED AT THE TIME OF THE SURVEY.
- THIS SURVEY DOES NOT REPRESENT A BOUNDARY SURVEY AND NO BOUNDARY SURVEY OF THE PARENT TRACT WAS PERFORMED.
- THIS SURVEY CONTAINS A DRAWING AND METES & BOUNDS DESCRIPTIONS FOR A LESSEE'S PROPOSED 30'X40' PREMISES AND A LESSEE'S PROPOSED VARIABLE WIDTH ACCESS, UTILITY, AND FIBER EASEMENT THAT WERE PREPARED FOR THE EXCLUSIVE USE OF VERIZON AND EXCLUSIVELY FOR THE TRANSFER OF THE LESSEE'S PREMISES AND EASEMENT SHOWN HEREON. THE PREMISES AND ASSOCIATED EASEMENT WILL NOT BE MONUMENTED.
- A TEMPORARY BENCHMARK HAS BEEN SET UP FOR CONSTRUCTION PURPOSES.
- THIS SURVEY WAS BASED ON INFORMATION PROVIDED IN THE ABSTRACTOR'S CERTIFICATE ISSUED BY PRECISE LAND RECORDS, NO.: 33593-GINSBERG JACOBS LLC, SITE NAME: EAST JONES ST, ISSUE DATE: JULY 21, 2023.
- NO WETLAND AREAS HAVE BEEN INVESTIGATED BY THIS SPECIFIC SURVEY.
- ALL ZONING INFORMATION SHOULD BE VERIFIED WITH PROPER ZONING OFFICIALS.
- UTILITIES AS SHOWN HEREON ARE BASED ON FIELD OBSERVATIONS CONDUCTED ON 08/22/2023. UNDERGROUND UTILITIES MAY EXIST AND WERE NOT PHYSICALLY LOCATED AS A PART OF THIS SURVEY. SURVEYOR DOES NOT GUARANTEE UTILITIES SHOWN ON THE SURVEY ARE IN EXACT POSITIONS. CONTRACTOR MUST ALWAYS CALL 811 PRIOR TO DIGGING.
- AT THE TIME OF THE SURVEY, THE LESSEE'S PROPOSED 30'X40' PREMISES AND THE LESSEE'S PROPOSED VARIABLE WIDTH ACCESS, UTILITY, AND FIBER EASEMENT LIED WITHIN AN UNSHADED AREA OF MINIMAL FLOOD HAZARD ZONE X ACCORDING TO FEMA FIRM PANEL MAP NUMBER 48121C0535G, EFFECTIVE 04/18/2011 (DENTON COUNTY, TEXAS).
- DATA REFLECTED ON THE ADJOINER MAP AND IN THE ADJOINER TABLE IS BASED ON ONLINE PARCEL MAP DATA THAT WAS NOT INCLUDED IN THE ABSTRACTOR'S CERTIFICATE ISSUED BY PRECISE LAND RECORDS, NO.: 33593-GINSBERG JACOBS LLC, SITE NAME: EAST JONES ST, ISSUE DATE: JULY 21, 2023. SURVEYOR TAKES NO RESPONSIBILITY FOR ITS ACCURACY.
- LESSEE'S PROPOSED PREMISES AND LESSEE'S PROPOSED EASEMENT PLACEMENT ARE PER LAND OWNER, A&E, OR CUSTOMER DIRECTION AND DO NOT REFLECT ENGINEERING OR REAL ESTATE ASSESSMENT BY 3D DESIGN AND ENGINEERING, INC.

EXCEPTIONS:

EXCEPTIONS HEREON WERE LISTED IN THE ABSTRACTOR'S CERTIFICATE ISSUED BY PRECISE LAND RECORDS, NO.: 33593-GINSBERG JACOBS LLC, SITE NAME: EAST JONES ST, ISSUE DATE: JULY 21, 2023:

EASEMENT AND RIGHT OF WAY DATED DECEMBER 12, 1973 AND FILED DECEMBER 28, 1973 TO TEXAS POWER & LIGHT COMPANY AND RECORDED IN VOLUME 693, PAGE 541. (**EXCEPTION IS LOCATED WITHIN THE PARENT TRACT AND WITHIN THE LESSEE'S PROPOSED VARIABLE WIDTH ACCESS, UTILITY, AND FIBER EASEMENT, BUT IS NOT LOCATED WITHIN THE LESSEE'S PROPOSED 30'X40' PREMISES**)

SANITARY SEWER EASEMENT DATED MARCH 9, 1993 AND FILED APRIL 20, 1993 TO THE CITY OF LEWISVILLE AND RECORDED IN DOCUMENT NO. 93-R0023493. (**EXCEPTION IS LOCATED WITHIN THE PARENT TRACT, BUT IS NOT LOCATED WITHIN THE LESSEE'S PROPOSED 30'X40' PREMISE, NOR WITHIN THE LESSEE'S PROPOSED VARIABLE WIDTH ACCESS, UTILITY, AND FIBER EASEMENT**)

MEMORANDUM OF OIL AND GAS LEASE DATED DECEMBER 18, 2008 AND FILED DECEMBER 29, 2008 TO CHEROKEE HOM PRODUCTION, LP AND RECORDED IN DOCUMENT NO. 2008-136551. (**EXCEPTION IS BLANKET IN NATURE AND IS NOT PLOTTABLE**)

HAZARDOUS SUBSTANCES CERTIFICATE AND INDEMNITY AGREEMENT DATED SEPTEMBER 15, 2022 AND FILED SEPTEMBER 16, 2022 AMONG CECIL DALTON FAMILY FUNERAL HOME, LTD. AND INDEPENDENT BANK AND RECORDED IN DOCUMENT NO. 2022-134097. (**EXCEPTION ACTS AS A BLANKET AGREEMENT AND IT IS NOT PLOTTABLE**)

I, HELENE F. LECOANET, DO HEREBY CERTIFY TO CECIL DALTON FAMILY FUNERAL HOME, & CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, THAT THIS SURVEY WAS MADE BY ME, OR UNDER MY DIRECT SUPERVISION, ON THE GROUND OF THE LESSEE'S PROPOSED 30' X 40' PREMISES AND THE LESSEE'S PROPOSED VARIABLE WIDTH ACCESS, UTILITY & FIBER EASEMENT HEREIN DESCRIBED, AND THE RESULTS OF SAID SURVEY ARE REPRESENTED HEREON TO THE BEST OF MY PROFESSIONAL KNOWLEDGE AND BELIEF.

SURVEY PREPARED FOR:



600 HIDDEN RIDGE  
IRVING, TX 75038  
PHONE: (678) 339-4247  
FAX: (972) 718-1967

SURVEY PREPARED BY:



**3D DESIGN & ENGINEERING INC.**  
**DEPARTMENT OF SURVEYING**  
21502 E WINTER VIOLET CT  
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TEXAS REGISTRATION NO. 10194603

REV	DATE	DESCRIPTION	BY

SITE EXHIBIT AND DESCRIPTION

VERIZON WIRELESS - TEXAS AREA  
**EAST\_JONES\_ST**  
INTERSTATE HIGHWAY 35-E  
LEWISVILLE, TX, 75057  
MDG LOCATION ID: 5000915429



HELENE F. LECOANET, RPLS  
TEXAS REGISTRATION NO. 6567

DRAWN BY:	MAV
CHECKED BY:	HL
DATE:	1/8/2025



Y:\Projects\VERIZON\TEXAS\E\_Jones\_St-764628\Project Assigned Number\CAND\PROD DWGS\E\_Jones St-03-N1 NOTES.dwg, 4/10/2024 2:08:59 PM, JPgarcia

GENERAL NOTES:

1.

FOR THE PURPOSE OF THESE CONSTRUCTION DOCUMENTS, THE FOLLOWING DEFINITIONS SHALL APPLY:  
CONTRACTOR – GENERAL CONTRACTOR  
OWNER – OWNER OF THE SITE  
PROJECT MANAGER – NEW CARRIER’S PROJECT MANAGER
2.

CARE SHALL BE TAKEN TO PROTECT THE SITE AND THE SURROUNDING AREA FROM FIRE HAZARD DURING ‘HOT’ OPERATIONS. ADEQUATE EQUIPMENT, PERSONNEL AND EMERGENCY COMMUNICATIONS SHALL BE PROVIDED TO PROTECT LIFE AND PROPERTY IN AND SURROUNDING THE CONSTRUCTION SITE.
3.

ALL EXCAVATIONS SHALL BE BARRICADED FOR PERSONNEL PROTECTION AND IF CONCRETE PIERS ARE DRILLED, THEY SHALL BE FILLED BY END OF DAY.
4.

VERIFY REQUIREMENTS OF OTHER TRADES PRIOR TO PROCEEDING WITH FABRICATION OR INSTALLATION OF MATERIALS.
5.

COMPLETE SHOP DRAWINGS SHALL BE PROVIDED FOR ALL FABRICATED ITEMS FOR REVIEW PRIOR TO FABRICATION. DRAWINGS CONTAINED IN THESE CONSTRUCTION DOCUMENTS SHALL NOT BE REPRODUCED FOR SHOP DRAWINGS.
6.

THE BUILDER/SUBCONTRACTOR SHALL BE RESPONSIBLE WITH NO ADDITIONAL COSTS TO THE OWNER/LESSOR/PROJECT MANAGEMENT TEAM FOR ALL FEES, PERMITS, INSPECTION FEES RELATED TO THIS PROJECT, OR SEE THAT ANY AND ALL SUCH CHARGES ARE PAID BY THE RESPECTIVE SUBCONTRACTORS ASSOCIATED WITH THIS PROJECT.
7.

DIMENSIONS NOTED AS ‘+/-’ OR ‘VERIFY’ ARE BASED ON MATCHING EXISTING CONDITIONS AND MAY VARY SLIGHTLY FROM THE DIMENSIONS AS SHOWN. NOTIFY THE ARCHITECT / ENGINEER AND CARRIER’S PROJECT MANAGER IF SIGNIFICANT VARIATIONS ARE ENCOUNTERED AT THE SITE.
8.

THE NATURE OF THE SITE RELATED ACTIVITIES REQUIRES THAT ACCESS TO THE SITE MUST BE MANAGED AT ALL TIMES DURING HOURS OF OPERATION AND WHEN THE SITE IS UNATTENDED. WORK WITH THE OWNERS REPRESENTATIVE FOR SAFETY AND SECURITY AT ALL TIMES.
9.

CONTRACTORS SHALL BE REQUIRED TO PICK UP ALL OWNER SUPPLIED EQUIPMENT AS DIRECTED BY THE PROJECT MANAGER WITH NO ADDITIONAL COST TO THE JOB.
10.

CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION.
11.

CONTRACTOR SHALL HAVE A PRECONSTRUCTION MEETING WITH THE CARRIER’S PROJECT MANAGER TO DISCUSS ALL ASPECTS OF THE SCOPE OF THESE DRAWINGS TO ENSURE HE IS FAMILIAR WITH AND UNDERSTANDS ALL REQUIREMENTS AND INTENT OF EACH ACTIVITY.
12.

THE CONTRACTOR SHALL REVIEW, BE THOROUGHLY FAMILIAR WITH AND UNDERSTAND ALL DOCUMENTS CONCERNING THIS PROJECT INCLUDING, BUT NOT LIMITED TO, THIS SET OF DOCUMENTS; TOWER AND TOWER FOUNDATION DRAWINGS; SHELTER AND/OR PLATFORM DRAWINGS (IF APPLICABLE); RF TRANSPARENT CONCEALMENT SCREEN DRAWINGS (IF APPLICABLE) AND ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES & ORDINANCES.
13.

NO WORK OF ANY KIND SHALL BE ACCOMPLISHED BY ANY TRADE IN FRONT OF ANY OPERATING ANTENNA.
14.

UNLESS OTHERWISE NOTED ON THE DRAWINGS, ALL FABRICATED STEEL ITEMS SHALL BE HOT DIPPED GALVANIZED PRIOR TO SHIPPING TO THE SITE.

EXISTING TOWERS:

1.

CONTRACTOR SHALL ATTAIN AND VERIFY “STRUCTURAL ANALYSIS REPORT” OF EXISTING TOWER FOR STRUCTURAL ADEQUACIES AND EXACT PLACEMENT OF ANTENNAS AND CABLING. CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE STRUCTURAL ANALYSIS REPORT AND NOTIFY ARCHCOMM LLC IN THE CASE OF A DISCREPANCY. ANY STRUCTURAL MODIFICATIONS, IF REQUIRED, SHALL BE DONE PRIOR TO THE INSTALLATION OF NEW ANTENNAS, CABLING & OTHER EQUIPMENT.
2.

THE EXISTING TOWERS CAPACITY TO SUPPORT NEW EQUIPMENT IS IN PART BASED ON THE ASSUMPTION THAT IT WAS BUILT AND MAINTAINED IN ACCORDANCE WITH THE MANUFACTURER’S SPECIFICATION (REFER TO STRUCTURAL ENGINEERS ANALYSIS & REPORT). THE CONTRACTOR SHALL MAKE A VISUAL INSPECTION OF THE EXISTING TOWER PRIOR TO THE START OF ANY NEW CONSTRUCTION AND REPORT TO THE PROJECT MANAGER ANY CONDITION THAT HE BELIEVES IS NOT IN KEEPING WITH TIA-222-H ANNEX J: MAINTENANCE AND CONDITION ASSESSMENT.

EXISTING CONDITIONS:

1.

DEMOLITION AND CONSTRUCTION ACTIVITIES SHALL BE ACCOMPLISHED IN SUCH A MANNER THAT NO DISRUPTION OF EXISTING FACILITY OPERATIONS WILL OCCUR.
2.

THIS BUILDER/SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE TO EXISTING FACILITIES AND SHALL REPLACE OR REPAIR TO THE ORIGINAL CONDITION AS DETERMINED BY THE PROJECT MANAGER.
3.

CUT AND PATCH ANY AREAS WHERE REQUIRED BY THE SCOPE OF THIS PROJECT. MATCH EXISTING WORK AND MATERIALS EVEN IF SUCH WORK FALLS OUTSIDE OF THE LIMITS OF THIS CONTRACT.
4.

THE OWNER OF THE SITE RETAINS SALVAGE RIGHTS TO ALL MATERIALS AND EQUIPMENT REMOVED FROM THE EXISTING WORK. MATERIALS AND EQUIPMENT NOT CLAIMED BY THE OWNER SHALL BECOME THE PROPERTY OF THE BUILDER/SUBCONTRACTOR WHO SHALL ASSUME COMPLETE RESPONSIBILITY FOR THE REMOVAL AND APPROPRIATE DISPOSAL THEREOF.
5.

VERIFY ALL EXISTING SITE CONDITIONS, QUANTITIES AND DIMENSIONS BEFORE STARTING WORK. NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES OR INCONSISTENCIES BEFORE PROCEEDING WITH THE WORK.
6.

ALL BIDDERS SHALL VISIT THE SITE BEFORE BIDDING TO FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS.
7.

CARE SHALL BE TAKEN TO LOCATE ALL EXISTING UNDERGROUND OBSTRUCTIONS, UTILITIES AND/OR EASEMENTS BEFORE DIGGING OR DRILLING ON THE SITE.
8.

UTILITY CHECK – BEFORE COMMENCING ANY WORK AT THE SITE, CONTACT THE ONE CALL SYSTEM IN THE STATE IN WHICH UNDERGROUND WORK IS BEING DONE. REFER TO ONE CALL NOTE ON SITE PLAN.

CONSTRUCTION CODES:

1.

ALL WORK SHALL BE ACCOMPLISHED AS PER ALL APPLICABLE CURRENT STATE, LOCAL AND NATIONAL CODES. THESE CODES INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:  
INTERNATIONAL BUILDING CODE (OR LOCAL ACCEPTED CODE)  
NATIONAL FIRE PROTECTION ASSOCIATION–  
NFPA 70, NATIONAL ELECTRIC CODE  
THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION–  
SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.  
THE AMERICAN CONCRETE INSTITUTE–  
BUILDING CODE REQUIREMENTS OF REINFORCED CONCRETE.  
AMERICAN WELDING SOCIETY–  
STRUCTURAL WELDING CODE– STEEL.  
TOWER DESIGN – STANDARD PER FIA/TIA–  
TIA 222 H SPECIFICATIONS.  
TIA 607 GROUNDING & BONDING REQUIREMENTS FOR TELECOMMUNICATIONS.  
TIA 568 COMMERCIAL BUILDING TELECOMMUNICATION WIRING STANDARD.  
TIA 569 COMMERCIAL BUILDING STANDARDS FOR TELECOMMUNICATION PATHWAYS AND SPACES.  
INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE)–  
IEEE 81 – GUIDE FOR MEASURING EARTH RESISTIVITY, GROUND IMPEDANCE & EARTH SURFACE POTENTIALS OF A GROUND SYSTEM.  
IEEE 1100 – RECOMMENDED PRACTICE FOR POWERING & GROUNDING OF ELECTRONIC EQUIPMENT.  
IEEE C62.41 – RECOMMENDED PRACTICES ON SURGE VOLTAGES IN LOW VOLTAGE AC POWER CIRCUITS.  
ANSI T1.311–  
FOR TELECOM – DC POWER SYSTEMS – TELECOM, ENVIRONMENTAL PROTECTION.  
  
HANDICAP REQUIREMENTS: THIS FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. ADA ACCESS REQUIREMENTS DO NOT APPLY.  
  
OTHER REQUIREMENTS: THIS FACILITY HAS NO PLUMBING OR PARKING.
2.

FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

FLOOD HAZARD ZONES:

1.

ALL SITES LOCATED WITHIN A FLOOD HAZARD ZONE SHALL HAVE TOP OF SLAB AND/OR TOP OF GRATING RAISED TO BE AT LEAST 12” ABOVE THE BASE FLOOD ELEVATION. THIS INCLUDES SHELTERS, RAISED EQUIPMENT PLATFORMS, GENERATORS, FUEL TANKS AND ALL ELECTRICAL EQUIPMENT.

SITE DEVELOPMENT & FINISHING NOTES:

1.

DIGGING AND EXCAVATION – HAND DIG ALL EXCAVATIONS AND TRENCHES IN AREAS SUSPECTED TO CONTAIN EXISTING GROUNDING CONDUCTORS, GROUND RODS, POWER/TELCO CABLES OR OTHER BURIED UTILITIES.
2.

COLLOCATION SITE FINISHING – UNLESS OTHERWISE DIRECTED BY THE NEW CARRIER’S PROJECT MANAGER, AREAS OF COMPOUND EXPANSION OR SPACE LOCATED WITHIN THE LEASED AREA SHALL BE FINISHED TO THE SAME STANDARD AS THE BALANCE OF THE EXISTING COMPOUND OR AT THE SOLE DISCRETION OF THE NEW CARRIER’S PROJECT MANAGER, THE FINISH STANDARD OF THE NEW CARRIER SHALL BE PROVIDED. REFER TO ITEM #3 BELOW.
3.

NEW CARRIER’S SITE FINISH STANDARD – PROVIDE A MINIMUM 4” THICK LAYER OF CRUSHED STONE (APPROX. 1” DIAMETER W/O FINES) OVER 6 MIL. WEED BARRIER, OVER 6” COMPACTED BASE. FILL MATERIAL SHALL BE EQUAL TO CRUSHED LIMESTONE CONFORMING TO STATE DEPARTMENT OF TRANSPORTATION REQUIREMENTS FOR TYPE ‘A’, GRADE 2 MATERIAL COMPACTED TO 95% PROCTOR DENSITY OVER A COMPACTED SUB-GRADE THAT WAS SCARIFIED AND RECOMPACTED TO 95% PROCTOR DENSITY.
4.

REPAIR/REPLACE – AT NO ADDITIONAL EXPENSE TO THIS CONTRACT, ANY CONSTRUCTION RELATED DAMAGE TO ANY EXISTING SITE ELEMENTS OR FINISHES WITHIN THE COMPOUND, IN ADJACENT AND/OR ALONG ROUTES TO THE WORK AREA, HOWEVER INCIDENTAL TO THE PROSECUTION OF THE WORK, SHALL BE PUT IN A PRECONSTRUCTION CONDITION TO THE SATISFACTION OF THE NEW CARRIER’S PROJECT MANAGER.
5.

BACKFILL – ALL BORROWED FILL MATERIAL SHALL BE EQUAL TO STATE SPECIFICATION FOR TYPE A, GRADE 1 OR 2, COMPACTED TO 95% PROCTOR DENSITY. WHERE TRENCHING IS REQUIRED BACKFILLING WITH MATERIALS EXCAVATED FROM THE TRENCH WILL BE PERMITTED UNLESS OTHERWISE DIRECTED BY THE NEW CARRIER’S PROJECT MANAGER. ALL TRENCH BACK FILLING SHOULD BE COMPACTED IN LIFTS NOT TO EXCEED 6” COMPACTED DEPTH AND TO 95% PROCTOR DENSITY FLUSH TO THE SURFACE OF THE FINISHED COMPACTED SUB-GRADE.
6.

UNLESS INDICATED OTHERWISE, SITES SHALL NOT HAVE SLOPES GREATER THAN 1/4” PER FOOT AND THE AREA IMMEDIATELY AROUND NEW EQUIPMENT SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE EQUIPMENT.
7.

SITES COVERED WITH EXISTING ASPHALT AND/OR CONCRETE – UNLESS NOTED OTHERWISE ON THE SITE PLAN, SAW-CUT & REMOVE ALL EXISTING ASPHALT AND/OR CONCRETE WITHIN THE LEASE AREA. ONCE ALL COMPONENTS OF NEW CONSTRUCTION ARE IN PLACE, FURNISH & INSTALL NEW ASPHALT AND/OR CONCRETE (AS NOTED IN SITE PLAN) TO MATCH EXISTING SO AS TO SEAL ENTIRE BASE AREA AGAINST WATER INTRUSION INTO SUBGRADE. BASE MATERIAL BELOW PAVING SHALL COMPLY WITH NOTE 5 ABOVE.
8.

SITES REQUIRING RETAINING WALLS – UNLESS NOTED OTHERWISE ON THE SITE PLAN, ALL RETAINING WALLS SHALL BE DESIGNED BY A LICENSED STRUCTURAL ENGINEER AND BE EQUAL TO “KEYSTONE RETAINING WALL SYSTEMS”, A CONTECH COMPANY, 4444 W. 78TH STREET MINNEAPOLIS, MN. 55435 (952) 897-1040). UNITS SHALL BE KEYSTONE STANDARD UNITS INSTALLED ON AN UNREINFORCED CONCRETE OR CRUSHED STONE LEVELING PAD (AS SPECIFIED BY ENGINEER). SYSTEM SHALL BE COMPLETE TO INCLUDE DRAINAGE TILE (IF REQUIRED), DRAINAGE FILL, KEYSTONE CAP, SOIL STABILIZING & REINFORCING FABRIC GRID, ETC., ALL AS DESIGNED BY ENGINEER. RETAINING WALL DESIGN SHALL BE SUBMITTED FOR APPROVAL.



E JONES ST  
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1550 N STEMMONS FWY  
LEWISVILLE, DENTON COUNTY, TEXAS 75057

(5000915429)



ARCHCOMM, LLC.  
1006 Beckett  
San Antonio, Texas 78213  
(210) 308-9905  
TBPE NO. F-15659

SHEET TITLE

GENERAL NOTES

SHEET HISTORY

11.07.23 PCD  
04.11.24 FCD

N1

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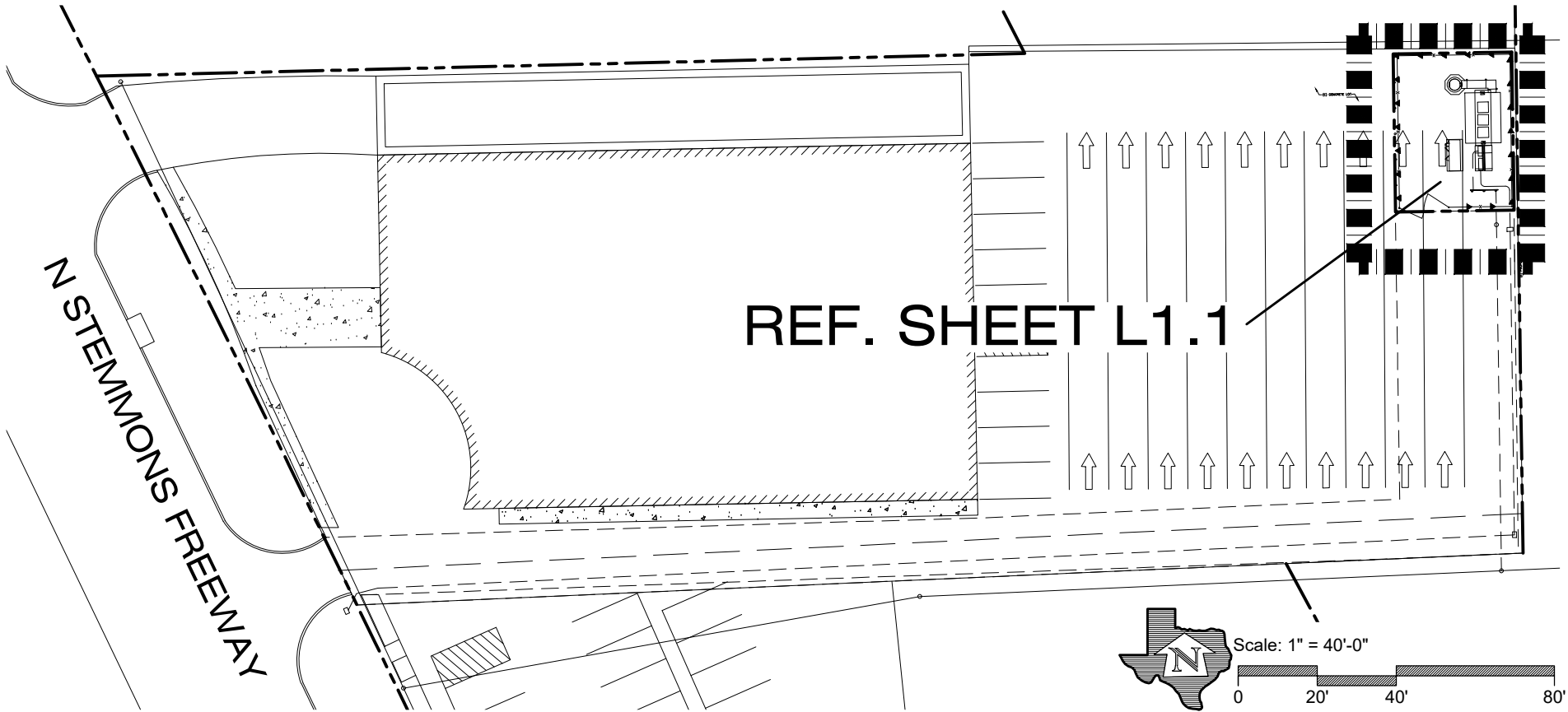


- GENERAL NOTES:**
1. REFER TO SPECIFICATIONS FOR ALL CONTRACT PLANTING.
  2. INSTALL APPROVED IMPORTED PLANTING MIX TO MIN. DEPTH OF 6" IN ALL AREAS SCHEDULED AS LANDSCAPE PLANTING AREAS.
  3. INSTALL APPROVED IMPORTED TOPSOIL TO 4" DEPTH IN ALL TURFGRASS AREAS.
  4. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES IN THE FIELD PRIOR TO INSTALLATION AND MUST REPORT ANY DEVIATION IN SITE CONDITIONS TO THE LANDSCAPE ARCHITECT BEFORE PROCEEDING WITH WORK IN THE AFFECTED AREA.
  5. WHERE SHOWN ON THESE PLANS, UTILITY INFORMATION IS PROVIDED FOR REFERENCE ONLY. REF. CIVIL AND MEP PLANS FOR ALL UTILITY INFORMATION.
  6. VERIFY LOCATION AND DEPTH OF ALL EXISTING AND PROPOSED UTILITIES PRIOR TO ANY EXCAVATION. IN THE EVENT POTENTIAL CONFLICT(S) OCCUR BETWEEN UTILITIES AND LANDSCAPE IMPROVEMENTS, IMMEDIATELY CEASE WORK IN THE AFFECTED AREA, REPORT THE CONFLICT(S) TO THE OWNER'S REPRESENTATIVE, AND DO NOT PROCEED UNTIL RECEIPT OF SPECIFIC WRITTEN DIRECTION.

- URBAN DEER NOTES:**
1. AT THE TIME THESE DOCUMENTS WERE PREPARED THE LANDSCAPE ARCHITECT WAS NOT AWARE OF A LOCAL URBAN DEER POPULATION.
  2. IN THE EVENT AN URBAN DEER POPULATION IS DISCOVERED, CONTRACTOR IS SOLELY RESPONSIBLE FOR PROTECTING ALL NEWLY-INSTALLED PLANTS THROUGH THE 30-DAY MAINTENANCE PERIOD.
  3. APPLY "LIQUID FENCE" (OR APPROVED EQUAL) TO ALL PLANTS AS NEEDED TO DISCOURAGE BROWSING BY DEER.
  4. ANY NEWLY-INSTALLED PLANTS EATEN OR BROUSED BY DEER PRIOR TO THE EXPIRATION OF THE 30-DAY MAINTENANCE PERIOD SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER.

- OVERHEAD ELECTRIC NOTES:**
1. ALL PROPOSED LARGE SPECIES TREES (AS DEFINED BY THE UNIFIED DEVELOPMENT CODE IN EFFECT HEREOF) SHALL BE PLANTED NO CLOSER THAN 20' TO ALL OVERHEAD ELECTRIC UTILITY LINES.
  2. CONTRACTOR IS SOLELY RESPONSIBLE FOR FIELD LOCATING ALL OVERHEAD ELECTRIC UTILITY LINES AND ENSURING THAT NO LARGE SPECIES TREES ARE PLANTED WITHIN 20' OF ANY OVERHEAD ELECTRIC UTILITY LINES.
  3. WHERE CITY INSPECTORS FIND ANY PROPOSED LARGE SPECIES TREES TO BE IN VIOLATION OF PROXIMITY TO OVERHEAD ELECTRIC UTILITY LINES, THE CONTRACTOR SHALL RELOCATE TREES AT NO ADDITIONAL COST TO THE OWNER.

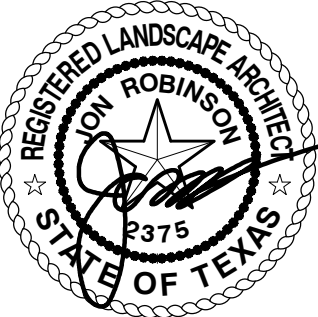
- VINE PLANTING AND MAINTENANCE NOTES:**
1. VINE IS ESPALIERED TO THE PROPOSED FENCE AND TRAINED AS VINE.
  2. IRRIGATION SHALL BE PROVIDED FOR EACH VINE PER IRRIGATION PLANS.



verizon

E JONES ST  
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1554 N I-35 E  
LEWISVILLE, DENTON COUNTY, TEXAS 75057  
(5000915429)



5.20.25

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SHEET TITLE  
**OVERALL LANDSCAPE  
PLANTING PLAN**

SHEET HISTORY	
1. CITY COMMENTS	1/16/25
2. CITY COMMENTS	5/20/25

L1.0

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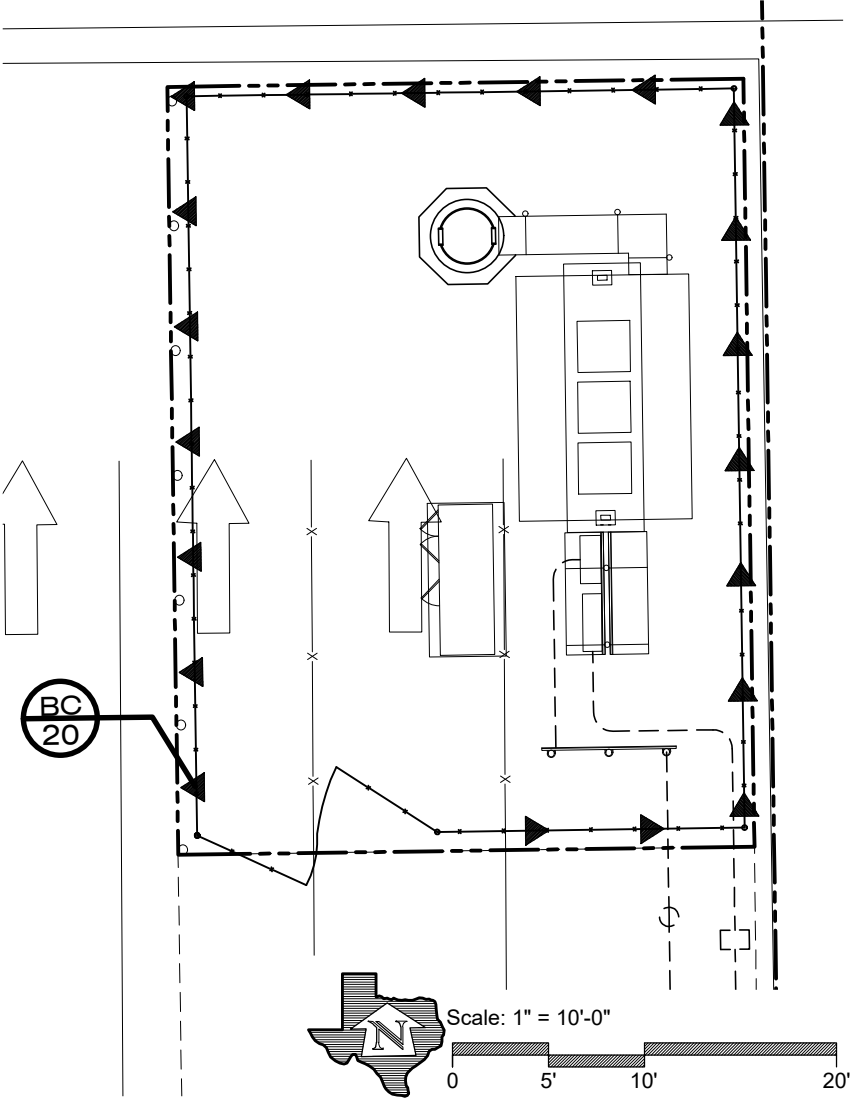


2

PLANT SCHEDULE						SIZE = CALIPER OR SPREAD
SYM.	SCIENTIFIC NAME	COMMON NAME	HGT.	SIZE	CONDITION	REMARKS
VINES						
BC	Bignonia capreolata	Crossvine	-	5 GAL.	PLANT AS A VINE, ESPALIER TO HOG WIRE FENCE, POST OR WIRE TRELLIS WHERE OCCUPS.	



VICINITY MAP (N.T.S.)



**E JONES ST**  
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SHEET TITLE

**ENLARGED LANDSCAPE  
PLANTING PLAN**

SHEET HISTORY

1. CITY COMMENTS	1/16/25
2. CITY COMMENTS	5/20/25

**L1.1**





PRESSURE REQUIREMENT CALCULATIONS @ ZONE No. 1	
DESIGN STATISTICS FOR CALCULATIONS	
Total Zone Flow:	1.4 g.p.m.
Electric Valve Size:	1"
Static Pressure Less 10% (static @ 65 psi):	58.5 p.s.i.
ACCUMULATIVE LOSSES FROM CITY MAIN TO FURTHEST HEAD	
Sprinkler head requirement:	30 p.s.i.
Zone Pipe/Fitting Loss:	n/a
1" Electric Valve Loss:	3.0 p.s.i.
Elevation Net Loss (+/- FT.):	n/a
System Mainline Loss (1" Sch-40 Main):	0.01 p.s.i.
Backflow Preventer Loss ( 1" ):	3.0 p.s.i.
Water Meter Loss ( 5/8" ):	0.2 p.s.i.
Master Electric Valve Loss ( " ):	n/a
Type K Copper Service Loss:	
Total Net Loss:	6.20 p.s.i.
Design Pressure:	36.20 p.s.i.
Notes: System requires a minimum of 37 psi static pressure for system to operate properly. Irrigation Contractor shall conduct on site pressure test to verify site pressure prior to starting work. Contractor shall notify Owner's Representative of pressure deficiencies or any other on site problems that may alter the effectiveness of the system. Pipe has been size to insure that velocity does not exceed 5 FPS. do not change pipe size in the field without consulting system designer.	

## 4 CRITICAL LOSS CHART

TYPICAL WEEKLY SCHEDULE BASED ON PRECIPITATION RATE

Precipitation Rate (in/hr)	Water Desired (in/wk)	Time/Cycle (min)	No. of Zones	Total Time * Min. Hrs.
Turf Rotor Zone .64	.80			
MP Rotator Spray .44	.80			
Turf Drip Zones .85	.80			
Drip Zones .55	.80	88.0	1	88 1.5
Tree Bubblers 3.87	.80			
Total System Hours of Operation Per Week				1.5

\* IT WILL BE NECESSARY TO WATER MULTIPLE ZONES AT ONE TIME TO MEET WATERING WINDOW . A TYPICAL SCHEDULE WOULD ALLOW WATERING TO OCCUR TWO TIMES PER WEEK. TOTAL WATERING TIME WOULD BE DIVIDED BY THE NUMBER OF WATERING DAYS. THIS SCHEDULE IS DESIGNED FOR SUMMER WATER USAGE AND ESTABLISHMENT OF NEW PLANTING.

## 3 VALVE SCHEDULE

### CONSTRUCTION NOTES:

1. IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING HIMSELF FAMILIAR WITH THE SPECIFICATIONS AND ALL SUBMITTAL REQUIREMENTS. IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO NOTIFY THE OWNER'S REPRESENTATIVE FOR SITE INSPECTIONS AS SPECIFIED IN THE SPECIFICATIONS. FAILURE TO NOTIFY THE OWNER'S REPRESENTATIVE DOES NOT RELIEVE THE CONTRACTOR FROM INSPECTION APPROVAL AND WILL REQUIRE THE CONTRACTOR TO UNCOVER WORK AS REQUIRED FOR APPROVAL AT THE COST OF THE CONTRACTOR. IRRIGATION CONTRACTOR IS TO INFORM OWNER'S REPRESENTATIVE OF THE START DATE OF WORK.
2. THE IRRIGATION CONTRACTOR IS REQUIRED BY LAW TO NOTIFY TEXAS ONE CALL (800-245-4545) 72 HOURS PRIOR TO ANY EXCAVATION. IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING HIMSELF FAMILIAR WITH ALL UNDERGROUND UTILITIES, PIPES AND STRUCTURES. IRRIGATION CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR ANY COST INCURRED DUE TO DAMAGE OF SAID UTILITIES WHETHER OR NOT TEXAS ONE CALL IS NOTIFIED.
3. DO NOT WILLFULLY PROCEED WITH CONSTRUCTION AS DESIGNED WITHOUT VERIFYING ACTUAL ON-SITE WATER PRESSURE FROM THE SOURCE. DO NOT WILLFULLY PROCEED WITH CONSTRUCTION AS DESIGNED WHEN IT IS OBVIOUS THAT UNKNOWN OBSTRUCTIONS AND/OR GRADE DIFFERENCES EXIST THAT MAY NOT HAVE BEEN KNOWN DURING DESIGN. SUCH CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
4. IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH OTHER CONTRACTORS AS REQUIRED TO ACCOMPLISH IRRIGATION INSTALLATION.
5. DUE TO SCALE OF DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS SLEEVES, ETC., WHICH MAY BE REQUIRED. IRRIGATION CONTRACTOR SHALL CAREFULLY INVESTIGATE THE STRUCTURAL AND FINISHED CONDITIONS AFFECTING ALL OF HIS WORK AND PLAN HIS WORK ACCORDINGLY. FURNISHING SUCH FITTINGS, ETC., AS MAY BE REQUIRED TO MEET SUCH CONDITIONS. DRAWINGS ARE GENERALLY DIAGRAMMATIC AND INDICATIVE OF THE WORK TO BE INSTALLED. THE WORK SHALL BE INSTALLED IN SUCH A MANNER AS TO AVOID CONFLICTS BETWEEN IRRIGATION SYSTEM, PLANTING AND ARCHITECTURAL FEATURES. THIS DESIGN IS DIAGRAMMATIC. ALL PIPING, VALVES, ETC., SHOWN WITHIN PAVED AREAS IS FOR DESIGN CLARIFICATION ONLY AND SHALL BE INSTALLED IN PLANTING AREAS AND WITHIN PROPERTY LINES.
6. DURING INSTALLATION IT IS THE IRRIGATION CONTRACTOR'S RESPONSIBILITY TO COORDINATE PIPING WITH THE LANDSCAPE SUBCONTRACTOR TO AVOID CONFLICT WITH PROPOSED PLANTING. IT WILL BE THE RESPONSIBILITY OF THE IRRIGATION SUBCONTRACTOR TO MOVE PIPING TO ALLOW PROPER PLACEMENT OF PLANT MATERIAL. THE IRRIGATION CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS TO ENSURE PROPER COVERAGE AT NO ADDITIONAL COST TO THE OWNER.
7. NO MACHINE TRENCHING IS TO BE DONE WITHIN THE DRIPLINE OF EXISTING TREES. TRENCHING IS TO BE DONE BY HAND, AIR-SPADE OR BY TUNNELING UNDER ROOT SYSTEM BY METHOD APPROVED BY LANDSCAPE ARCHITECT. PIPING LAYOUT IS DIAGRAMMATIC AND PIPING SHALL BE ROUTED AROUND EXISTING TREES AS POSSIBLE TO AVOID DAMAGE TO THE ROOT SYSTEMS. DO NOT CUT ANY ROOT OVER 3/4" DIAMETER UNLESS APPROVAL FROM THE LANDSCAPE ARCHITECT IS FIRST OBTAINED. ANY CUTS MADE SHALL BE CLEAN AND WITHOUT FRAIED ENDS.
8. IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR SLEEVES AND CHASES WHEREVER PIPING OR CONDUIT PASSES, UNDER ALL PAVING, THROUGH WALLS, ETC. ALL SLEEVE LOCATIONS MAY NOT BE SHOWN ON PLAN. COORDINATE WITH ARCHITECTURAL AND CIVIL DRAWINGS. GENERAL CONTRACTOR AND OTHER SUBCONTRACTORS AS REQUIRED. ALL SLEEVE AND CHASE LOCATIONS ARE NOT NOTED ON PLAN. ALL SLEEVES 4" OR LESS SHALL BE SCH-40 PVC. ALL SLEEVES 6" OR GREATER SHALL BE CLASS-200 PVC. ALL SLEEVES TO BE SIZED TWICE THE DIAMETER OF PIPE OR COMBINATION OF PIPES ENCLOSED WITHIN THE SLEEVE.
9. CONFIRM STATIC WATER PRESSURE AT LEAST 7 DAYS BEFORE BEGINNING WORK. IF STATIC WATER PRESSURE IS LESS THAN STATED IN PRESSURE CALCULATIONS DO NOT PROCEED UNTIL DIRECTED SO BY THE LANDSCAPE ARCHITECT. IF ACTUAL SITE STATIC PRESSURE EXCEEDS DESIGN PRESSURE BY 15 P.S.I. IN ANY ZONE, A PRESSURE REDUCING VALVE SHALL BE INSTALLED. REFER TO DETAILS FOR MODEL.
10. ADJUSTABLE FLOW CONTROLS SHALL BE REQUIRED ON CIRCUIT REMOTE CONTROL VALVE. PRESSURE AT ANY POINT WITHIN A ZONE SHALL NOT VARY BY MORE THAN 10% FROM THE DESIGN SPRINKLER OPERATING PRESSURE. SEE SPECIFICATIONS FOR TESTING.
11. THE CONTRACTOR SHALL BE A REGISTERED LICENSED IRRIGATOR IN THE STATE OF TEXAS. CONTRACTOR MUST CONFORM TO ALL CODES AS STATED IN SECTION 344 OF THE TEXAS WATER CODE AS OUTLINED BY TCEQ.
12. OBTAIN COVERAGE TEST APPROVAL FROM OWNER'S REPRESENTATIVE PRIOR TO PLANTING, SODDING OR SEEDING.
13. ALL UNDESIGNATED END LATERAL PIPING SHALL BE 1/2" IN SPRAY ZONES AND 3/4" IN ROTOR ZONES.
14. SPRINKLER HEAD SPACING SHALL NOT EXCEED 50% OF SPRAY DIAMETER BASED ON MANUFACTURERS OPERATING SPECIFICATIONS. SPRINKLER HEAD SPACING SHALL BE DESIGNED FOR HEAD-TO-HEAD COVERAGE OR HEADS SHALL BE SPACED AS PER MANUFACTURER'S RECOMMENDATIONS AND ADJUSTED FOR PREVAILING WINDS. THE SYSTEM SHALL BE DESIGNED SO THAT IRRIGATION IS NOT APPLIED TO VEHICULAR TRAFFIC LANES, OTHER PAVEMENT OR STRUCTURES.
15. ALL ROTORS SHALL BE LOCATED 12" FROM PAVEMENT, CURBS OR EDGE OF STRUCTURE, ALL SPRAY HEADS SHALL BE LOCATED 6" FROM PAVEMENT, CURBS OR EDGE OF STRUCTURE.
16. VALVE AND CIRCUITS SHALL BE SEPARATED BASED ON WATER USE, SO THAT TURF AREAS ARE WATERED SEPARATELY FROM SHRUB AND GROUND COVER AREAS. IRRIGATION HEADS IN THE TURF AREAS WILL BE VALVED SEPARATELY FROM SHRUB AND/OR GROUND COVER AREAS. IT IS RECOMMENDED THAT SEASONAL COLOR AREAS BE WATERED SEPARATELY. UNDER NO CIRCUMSTANCES ARE ZONE TYPES TO BE COMBINED I.E. ROTARY HEADS WITH SPRAYS, TURF AREAS WITH PLANTING BEDS.
17. IT IS THE CONTRACTORS RESPONSIBILITY TO CONFIRM STATIC PRESSURE ON SITE PRIOR TO STARTING WORK. REFER TO NOTES #9 AND #10.
18. IT IS THE IRRIGATION CONTRACTOR'S RESPONSIBILITY TO SECURE ALL REQUIRED PERMITS AND PAY ALL ASSOCIATED FEES UNLESS OTHERWISE NOTED. ALL LOCAL CODES SHALL PREVAIL OVER ANY DISCREPANCIES CONTAINED IN THESE DOCUMENTS.
19. UNSLEEVED PIPES MAY BE SHOWN UNDER PAVEMENT FOR GRAPHIC CLARITY. INSTALL PIPES IN ADJACENT SLEEVES WITHIN LANDSCAPE AREAS.
20. 120 VAC ELECTRICAL POWER SOURCE AT CONTROLLER LOCATION SHALL BE PROVIDED BY OTHERS. THE IRRIGATION CONTRACTOR SHALL MAKE THE FINAL CONNECTION FROM THE ELECTRICAL SOURCE TO THE CONTROLLER WITH A HARDWIRE CONNECTION APPROVED AND INSTALLED BY A LICENSED ELECTRICIAN.
21. SPRINKLER HEADS SHALL HAVE MATCHED PRECIPITATION RATES WITHIN EACH CONTROL VALVE CIRCUIT.
22. SERVICEABLE CHECK VALVES SHALL BE REQUIRED ADJACENT TO PAVED AREAS WHERE ELEVATION DIFFERENCES MAY CAUSE LOW HEAD DRAINAGE.
23. ALL AUTOMATIC IRRIGATION SYSTEMS SHALL BE EQUIPPED WITH A CONTROLLER CAPABLE OF DUAL OR MULTIPLE PROGRAMMING. CONTROLLERS SHALL HAVE MULTIPLE CYCLE START CAPACITY AND A FLEXIBLE CALENDAR PROGRAM, INCLUDING THE CAPABILITY OF BEING SET TO WATER EVERY FIVE DAYS. ALL AUTOMATIC IRRIGATION SYSTEMS SHALL BE EQUIPPED WITH A RAIN SENSOR SHUT-OFF DEVICE.
24. ALL IRRIGATION WIRES SHALL BE UL LISTED FOR DIRECT UNDERGROUND BURIAL AND SHALL BE SIZED PER THE MANUFACTURER'S RECOMMENDATIONS. 3M-DBY WATERPROOF CONNECTORS TO BE USED ON ALL WIRE CONNECTIONS. SUBMIT SAMPLE TO LANDSCAPE ARCHITECT.
25. ALL IRRIGATION HEADS SHALL BE ADJUSTED TO MINIMIZE OVER-SPRAY ONTO ALL IMPERVIOUS SURFACES.
26. ALL PIPE CONNECTIONS SHALL BE PRIMED WITH AN APPROVED COLOR PRIMER BEFORE BEING CHEMICAL WELDED.
27. AFTER AWARD OF CONTRACT AND BEFORE ANY IRRIGATION SYSTEM MATERIALS ARE ORDERED FROM SUPPLIERS OR DELIVERED TO THE JOB SITE, SUBMIT TO THE OWNER A COMPLETE LIST OF ALL IRRIGATION SYSTEM MATERIALS, OR PROCESSES PROPOSED TO BE FURNISHED AND INSTALLED AS PART OF THIS CONTRACT. THE LANDSCAPE ARCHITECT OR OWNER'S AUTHORIZED REPRESENTATIVE WILL ALLOW NO SUBSTITUTIONS WITHOUT PRIOR WRITTEN ACCEPTANCE. MANUFACTURER'S WARRANTIES SHALL NOT RELIEVE THE CONTRACTOR OF HIS LIABILITY UNDER THE GUARANTEE. SUCH WARRANTIES SHALL ONLY SUPPLEMENT THE GUARANTEE.
29. ALL TEMPORARY IRRIGATION SHALL BE DESIGNED PRIOR TO INSTALLATION BY A STATE OF TEXAS LICENSED IRRIGATOR. THE DESIGN IS TO BE SUBMITTED FOR APPROVAL PRIOR TO COMMENCING INSTALLATION OF THE TEMPORARY SYSTEM.
30. IRRIGATION CLOSEOUT DOCUMENTS SHALL INCLUDE A WATER BUDGET. A LAMINATED COPY OF THE WATER BUDGET SHALL BE PERMANENTLY INSTALLED INSIDE THE IRRIGATION CONTROLLER DOOR.
  - A. CHART CONTAINING ZONE NUMBER, PRECIPITATION RATE AND GPM.
  - B. LOCATION OF EMERGENCY IRRIGATION SYSTEM SHUT-OFF VALVE.

## 2 NOTES

- W** DEDICATED 5/8" IRRIGATION WATER METER.
- DB** DOUBLE CHECK BACKFLOW DEVICE, 1" WATTS 007 PER LOCAL CODES.
- C** CONTROLLER - HUNTER NODE-100 CONTROLLER, FINAL LOCATION IS TO BE DETERMINED AFTER CONSULTING WITH LANDSCAPE ARCHITECT.
- WS** WEATHER SENSOR - HUNTER RAIN-CLIK SENSOR. FINAL LOCATION IS TO BE DETERMINED AFTER CONSULTING WITH LANDSCAPE ARCHITECT.
- W** NETAFIM DRIP CONTROL ZONE VALVE - REFERENCE DETAILS
- MAN** MANUAL VALVE- SIZE OF MAINLINE
- #** ZONE IDENTIFICATION
- #** ZONE SIZE IN GALLONS PER MINUTE
- #** VALVE SIZE THIS ZONE

MAIN LINE - USE SCH-40 PVC PIPE, SIZE AS INDICATED ON PLANS

LATERAL LINE - USE CLASS 315 ON 1/2" PIPE AND CLASS 200 IPS PVC ON 3/4" AND LARGER PIPE. DO NOT DEVIATE ON SIZING WITHOUT CONSULTING WITH PROJECT DESIGNER.

SLEEVE - USE TWO (2) SIZES LARGER THAN SPRINKLER PIPE DESIGNATED FOR CROSSING PAVING ON ALL LATERAL LINES. USE SCH-40 PVC PIPE, VALVE WIRING MAY BE RUN IN THE SAME SLEEVES.

NOTE: REFER TO SHEET LI 2.1 to LI 2.3 FOR DETAILS

FIELD LOCATE BY STAKING, THE CONTROLLER, WATER METER, BACKFLOW DEVICE, MASTER VALVE AND FLOW SENSOR FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

## 1 LEGEND

### STATEMENT OF IRRIGATION DESIGN STANDARDS CONFORMITY:

This plan is complete and conforms to the design and installation parameters of the irrigation design and equipment standards set out by the City of Lewisville, Texas and TCEQ (Texas Commission on Environmental Quality).

*Wade O. Radlet*

Wade O. Radlet TX LI # 22397

### SPECIAL NOTES:

1. THE IRRIGATION CONTRACTOR SHALL COMPLY WITH ALL LOCAL AND STATE MANDATED IRRIGATION ORDINANCES AND CODES AND WILL SECURE ALL REQUIRED PERMITS.
2. ALL WIRES, CONTROL VALVES, AND PRESSURIZED WATER SUPPLY LINES SHALL NOT BE LOCATED WITHIN THE EXISTING ROW OR OUTSIDE PROPERTY BOUNDARIES.

"Irrigation in Texas is regulated by the Texas Commission on Environmental Quality (TCEQ), MC-178, PO Box 13087, Austin, Texas 78711-3087 TCEQ's website is: www.tceq.state.tx.us"



**ARCHCOMM, LLC.**  
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San Antonio, Texas 78213  
(210) 308-9905  
TBPE NO. F-15659

SHEET TITLE  
**IRRIGATION NOTES AND  
LEGEND**

SHEET HISTORY

**LI1.0**

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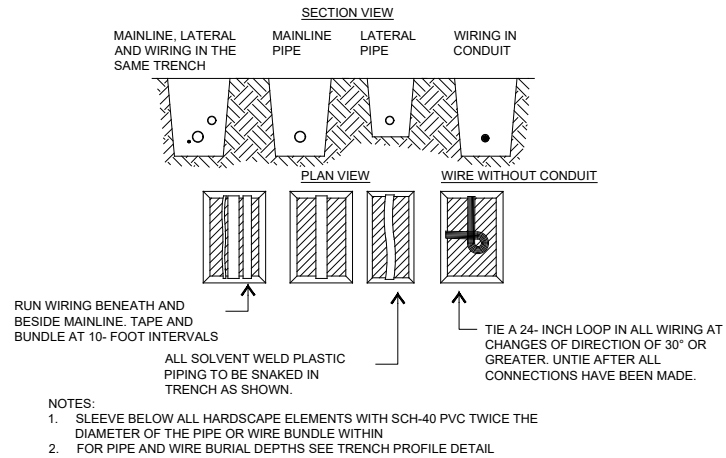
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LEWISVILLE, DENTON COUNTY, TEXAS 75057  
(5000915429)



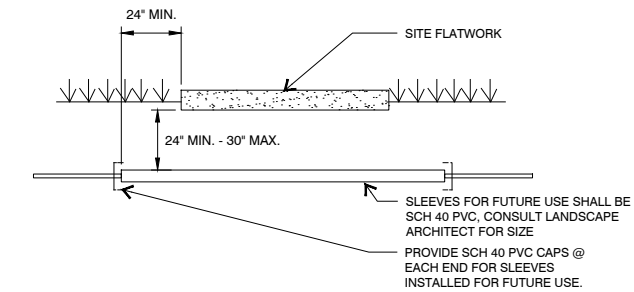




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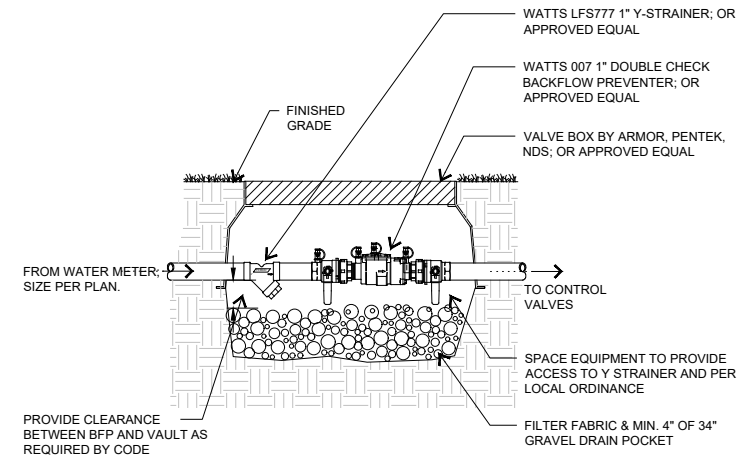
## 3 IRRIGATION TRENCH



### IRRIGATION SLEEVE NOTES:

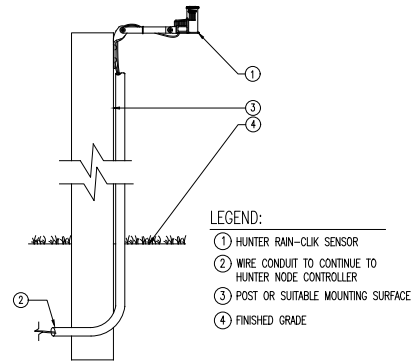
1. PIPING AND CONTROL WIRES SHALL BE INSTALLED IN SEPARATE SLEEVES UNDER PAVING. REFER TO IRRIGATION SLEEVE PLAN FOR SIZE AND LOCATION.
2. SLEEVE ELEVATION SHALL BE TWENTY-FOUR (24") INCHES BELOW TOP OF PAVEMENT.
3. SLEEVES SHALL EXTEND ONE (1') FOOT BEYOND THE EDGE OF PAVEMENT AND BE STAKED FOR LOCATION.
4. ALL SLEEVES 4" OR LESS, SHALL BE SCH-40 PVC, ALL SLEEVES GREATER THAN 4" SHALL BE CLASS-200 SDR-21. SLEEVES SHALL BE CAPPED ON BOTH ENDS AND SIZED A MIN. OF TWO (2) TIMES THE DIAMETER OF THE PIPE INSIDE THE SLEEVE.
5. SLEEVE LOCATIONS SHALL BE MARKED ONTO THE TOP OF CURB WITH A SAW-CUT OF TWO PARALLEL LINES THAT ARE TWO (2") INCHES LONG AND ONE (1") INCH APART ON BOTH SIDES OF THE STREET OR CROSSING.
6. THE CONTRACTOR RESPONSIBLE FOR INSTALLATION OF SLEEVES SHALL ALSO BE RESPONSIBLE TO LOCATE ANY SLEEVE WHICH CANNOT BE FOUND DURING THE INSTALLATION OF THE IRRIGATION SYSTEM.

## 2 IRRIGATION SLEEVE

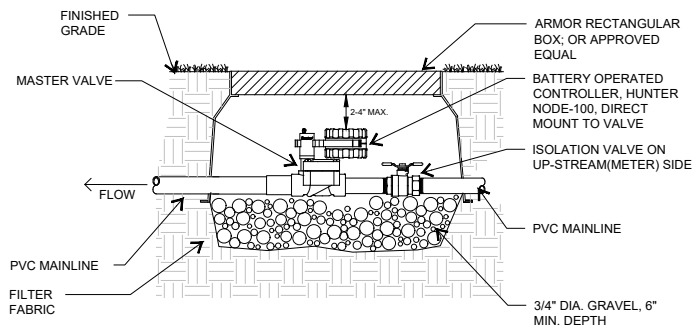


## 1 BACKFLOW DEVICE

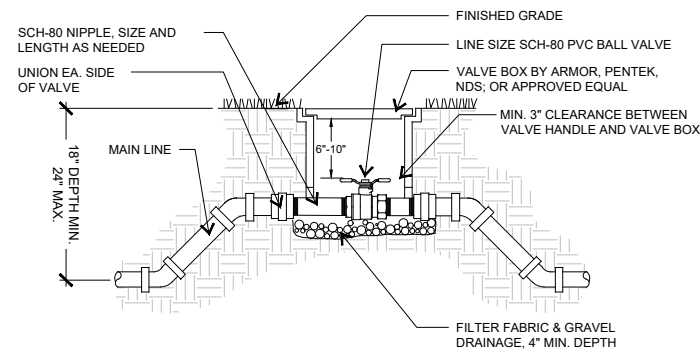
NOTE:  
MOUNT SENSOR ON ANY SURFACE WHERE IT WILL BE EXPOSED TO UNOBSTRUCTED RAINFALL, BUT NOT IN PATH OF SPRINKLER SPRAY.



## 6 WEATHER SENSOR



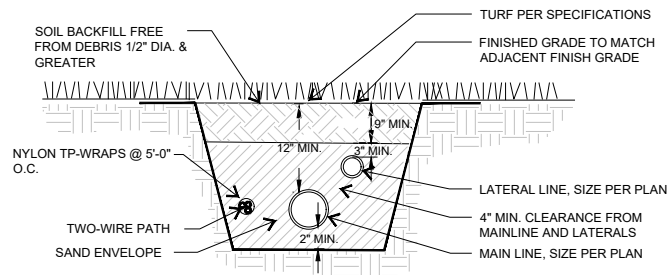
## 5 IRRIGATION CONTROLLER



## 4 MANUAL ISOLATION VALVE

### NOTE:

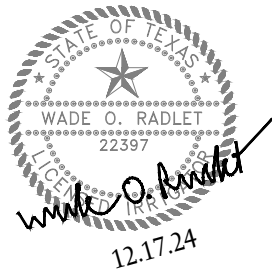
1. MAINLINE DEPTH MAY VARY BETWEEN 12" AND 24" WITH 12" MIN. AT TOP OF PIPE
2. LATERAL DEPTH MAY VARY BETWEEN 12" AND 18" WITH 12" MIN.
3. SAND ENVELOPE SHALL BE INSTALLED IF ROCK IS PRESENT



## 7 TRENCH PROFILE

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SHEET TITLE  
IRRIGATION DETAILS

SHEET HISTORY

LI2.2

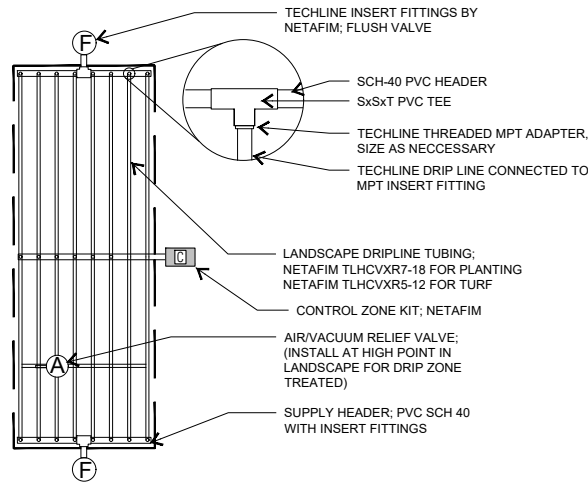
- 1.) DRIP LINE SHALL BE BURIED 3" TO 5" BELOW FINISHED SOIL GRADE IN PLANTING BEDS AFTER PLANTING AND BEFORE MULCH AND 4" TO 6" BELOW FINISHED GRADE IN TURF AREAS.
- 2.) STAGGER EMITTER SPACING IN PARALLEL ROWS TO CREATE TRIANGULAR WETTING PATTERN.
- 3.) ALL DRIP LINE SHALL BE SECURED USING SOIL STAPLES AS SUPPLIED BY THE MANUFACTURER SPACED A MAX. OF 3' ON CENTER.
- 4.) DRIP LATERALS SHOWN ON THE PLANS ARE USED TO INDICATE ZONING SIZES AND RELATIONSHIPS. INSTALLATION OF DRIP ZONES SHALL FOLLOW ONE OF THE TWO METHODS DESCRIBED IN DTL.S. 2/3-LI 2.2. AND NETAFIM'S RECOMMENDED INSTALLATION SPECIFICATIONS.
- 5.) NETAFIM HCVXR SERIES DRIP LINE SHALL BE USED AS FOLLOWS:  
TURF AREAS: TLHCVXR5-12, ROWS SPACED AT 12 INCHES  
BED AREAS: TLHCVXR7-18, ROWS SPACED AT 18 INCHES  
BED AREAS WITH SLOPE 3:1 OR MORE: TLHCVXR7-12
- 6.) WHEN CONFLICTS OCCUR BETWEEN THESE DRAWINGS AND THE MANUFACTURER'S SPECIFICATIONS DEFER TO THE MANUFACTURER'S RECOMMENDED SPECIFICATIONS.
- 7.) EACH DRIP ZONE SHALL HAVE A DRIP SYSTEM OPERATION INDICATOR, AS MANUFACTURED BY NETAFIM. INSTALL PER NETAFIM RECOMMENDATIONS.

PROPER SIZING OF SUPPLY AND EXHAUST HEADERS  
(17MM HCVXR SERIES DRIPLINE)

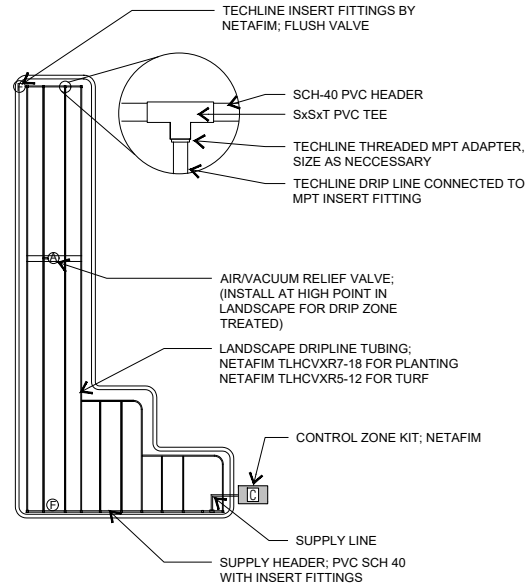
TOTAL ZONE FLOW	PIPE SIZE
UP TO 5 GPM	1/2" SCH 40 PVC or 1/2" CLASS 315 PVC
5.1 TO 8 GPM	3/4" CLASS 200 PVC
8.1 TO 13 GPM	1" CLASS 200 PVC
13.1 TO 22 GPM	1-1/4" CLASS 200 PVC
22.1 TO 31 GPM	1-1/2" CLASS 200 PVC

NOTE: A 45 PSI PRESSURE REGULATOR IS RECOMMENDED TO OBTAIN MAXIMUM RUN LENGTHS AND MAXIMIZE ZONE SIZE WHEN INSTALLING HCVXR SERIES DRIPLINE.

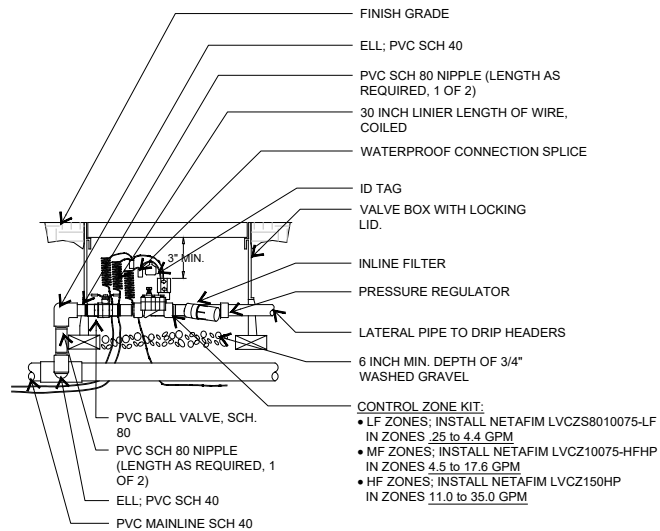
## 4 DRIP DESIGN NOTES



## 3 DRIPLINE INSTALLATION (CENTER FEED)



## 2 DRIPLINE INSTALLATION (END FEED)



## 1 CONTROL ZONE KIT

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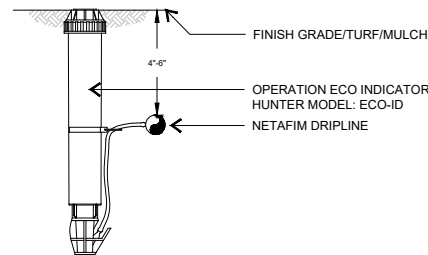


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SHEET TITLE  
IRRIGATION DETAILS

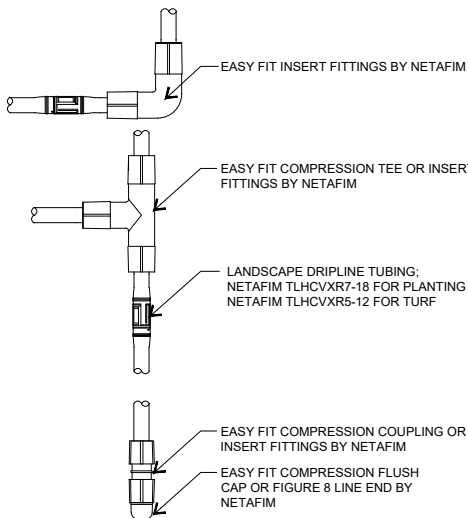
SHEET HISTORY

LI2.3

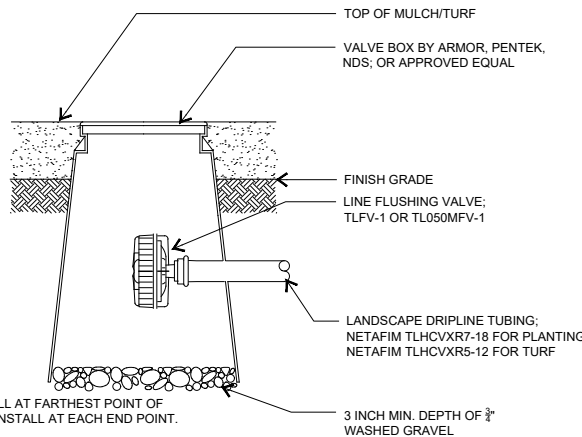


NOTE:  
1. INSERT BARB TRANSFER FITTING DIRECTLY INTO DRIPLINE TUBING.  
2. VAN NOZZLE MAY BE SET TO CLOSED, OR IF IT IS DESIRED TO SEE SPRAY FROM THE NOZZLE, SET THE ARC TO 1/4 PATTERN. THE FLOW FROM THE NOZZLE, 0.3 GPM, SHOULD BE ACCOUNTED FOR IN THE SYSTEM DESIGN.

## 4 OPERATION INDICATOR

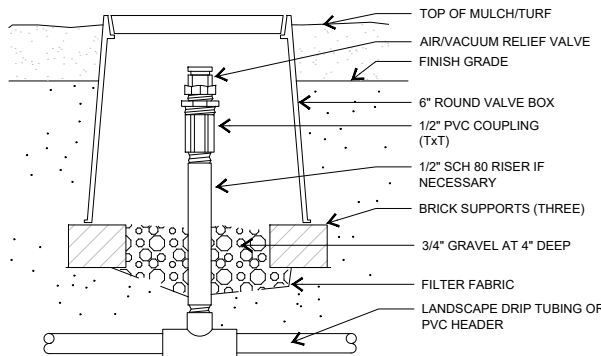


## 3 DRIPLINE FITTINGS



NOTE: INSTALL AT FARTHEST POINT OF DRIP ZONE. INSTALL AT EACH END POINT.

## 2 DRIPLINE FLUSH VALVE



NOTE: INSTALL AT HIGH POINT OF DRIP ZONE. IF MORE THAN TWO HIGH POINTS IN A ZONE, INSTALL AT EACH HIGH POINT.

## 1 AIR RELIEF VALVE

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(N) 30'-0"x40'-0" (1200 S.F.) LESSEE LEASE AREA - REFER TO SURVEY FOR EXACT LOCATION

F.G. = 555.2'

6'-6"

(N) WROUGHT IRON FENCE WITH LIVING SCREEN

F.G. = 555.2'

(N) MONOPOLE TOWER  
(N) ±5'-0" ICE BRIDGE W/ TRAPEZE ASSEMBLY

T.O.C. = 556.0'

(N) EQUIPMENT CABINETS ON A (N) 4'x14' CONC. SLAB

T.O.C. = 556.0'

(N) DIESEL GENERATOR ON A (N) 4'x8' CONC. SLAB

(N) UNDERGROUND POWER - 2 1/2"C  
(N) METER FRAME - REFER TO ELECTRICAL DRAWINGS FOR METER, DISC. & PANELS

(N) UTILITY FRAME

F.G. = 555.2'

(N) PAIR WROUGHT IRON GATES - REFER TO SHEET D2

F.G. = 555.2'

STAGING AND SPOILS

CONCRETE WASHOUT

(N) FIBER HAND HOLE #3 - G.C. TO VERIFY EXACT LOCATION

(N) UTILITY POLE

(N) OVERHEAD POWER







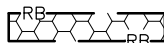
(N) UNDERGROUND FIBER - 2"C

(N) 30' WIDE ACCESS, UTILITY, & FIBER EASEMENT

## GENERAL NOTES

1. IF DISTURBED AREA IS NOT TO BE WORKED ON FOR MORE THAN 14 DAYS, DISTURBED AREA NEED TO BE STABILIZED BY REVEGETATION, MULCH, TARP OR REVEGETATION MATTING.
2. ENVIRONMENTAL INSPECTOR HAS THE AUTHORITY TO MODIFY EROSION / SEDIMENTATION CONTROLS ON SITE TO KEEP PROJECT IN COMPLIANCE WITH THE CITY OF LEWISVILLE RULES AND REGULATIONS.
3. CONTRACTOR SHALL UTILIZE DUST CONTROL MEASURES DURING SITE CONSTRUCTION SUCH AS IRRIGATION TRUCKS AND MULCHING AS PER ECM 1.4.5(A) OR AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.
4. THE CONTRACTOR SHALL CLEAN UP SPOILS THAT MIGRATE ONTO THE ROADS A MINIMUM OF ONCE DAILY.
5. FOR OFFSITE UTILITY CONSTRUCTION, PERPENDICULAR EROSION CONTROLS MUST BE INSTALLED EVERY 30 FEET AS THE TRENCH IS BACKFILLED.

## LEGEND

---100'---	EXISTING CONTOUR		STABILIZED CONSTRUCTION ENTRANCE
---	PROPERTY BOUNDARY		CONCRETE WASHOUT PIT
---LOC---	LIMITS OF CONSTRUCTION		STAGING AND SPOILS AREA
---SF---	SILT FENCE		TREE TO BE REMOVED
---LOC/SF---	LIMITS OF CONSTRUCTION / SILT FENCE		EXISTING TREE
	INLET PROTECTION		
	ROCK BERM		

# 1 SEDIMENT AND EROSION CONTROL & GRADING PLAN

SCALE: 3/32" = 1'-0"



(N) = NEW LESSEE  
(E) = EXISTING  
(F) = FUTURE

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TBPE NO. F-15659

SHEET TITLE  
SEDIMENT AND EROSION CONTROL & GRADING PLAN

SHEET HISTORY  
04.11.24 FCD  
10.18.24 REV. SET 3 - COMMENTS

C1



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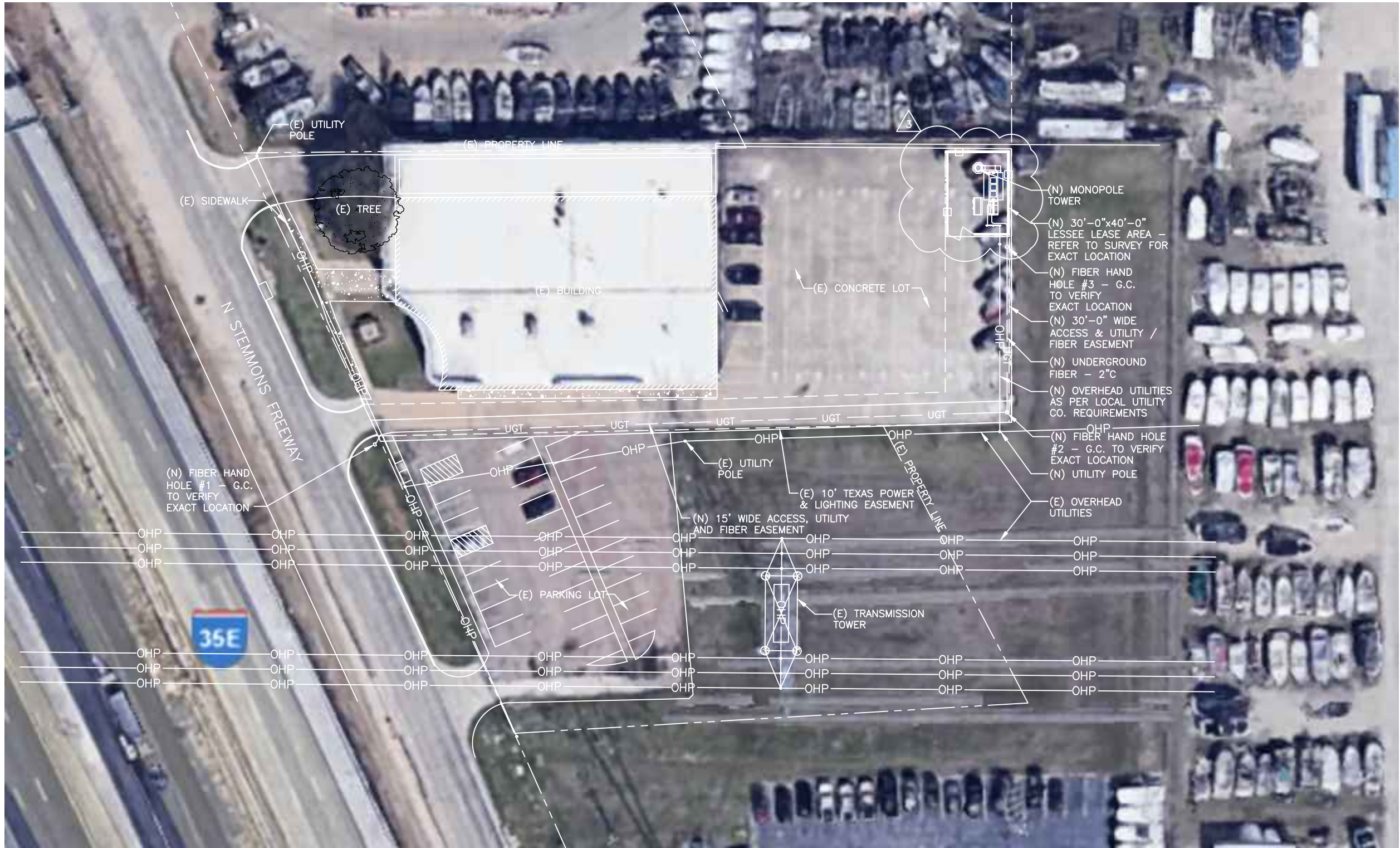


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SHEET TITLE  
**AERIAL SITE PLAN**

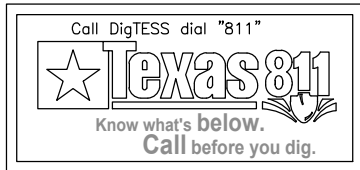
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01.09.24	PCD
04.11.24	FCD
10.18.24	REV. SET 3 - COMMENTS

A0




**1 AERIAL SITE PLAN**  
SCALE: 1"=50'-0"  
NORTH

(N) = NEW LESSEE  
(E) = EXISTING  
(F) = FUTURE





10.18.24



STATE OF TEXAS

AARON M. STAAS

104806

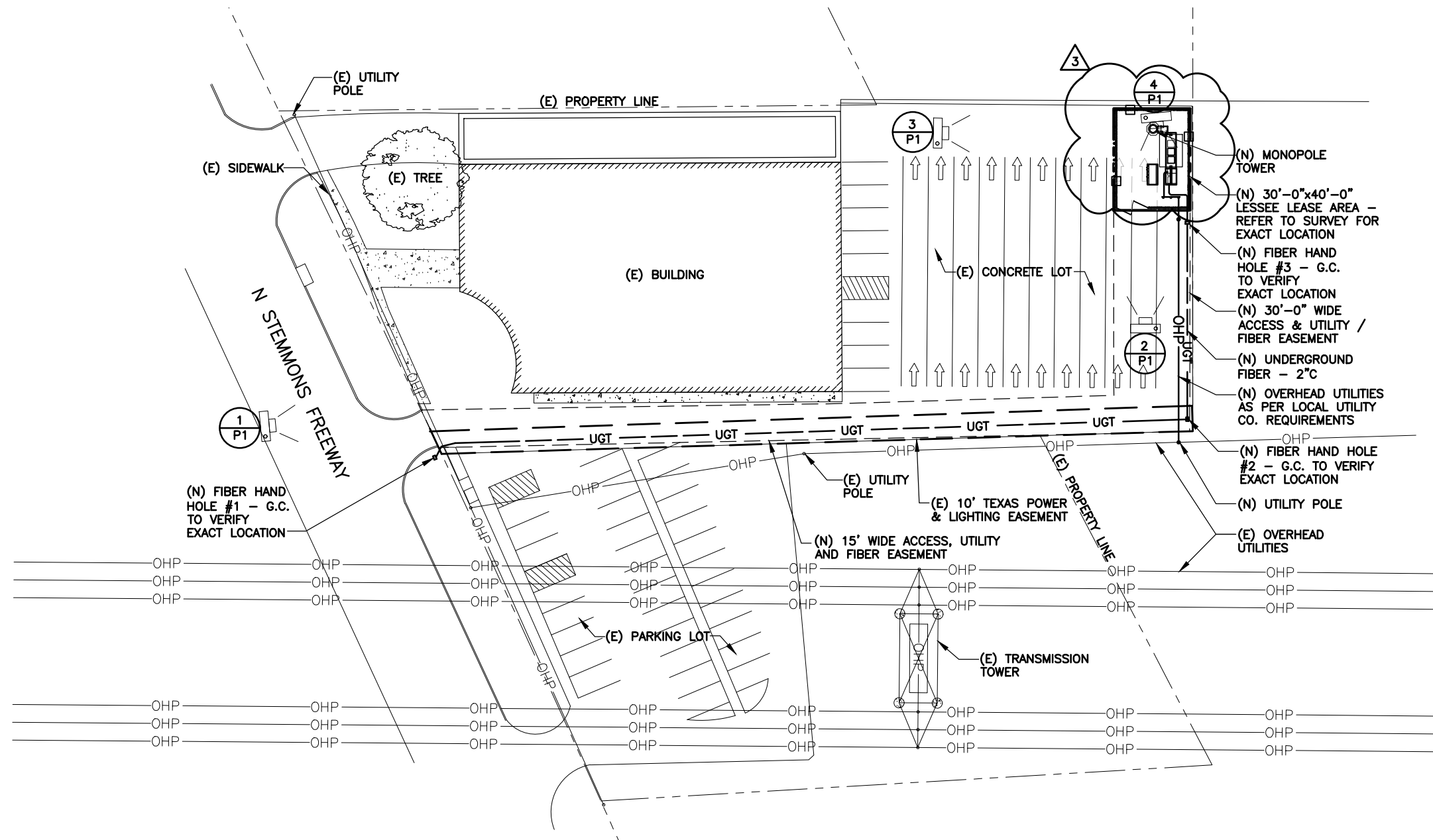
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PROFESSIONAL ENGINEER

  
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SHEET TITLE	
<b>SITE PLAN</b>	
SHEET HISTORY	
<b>01.09.24</b>	<b>PCD</b>
<b>04.11.24</b>	<b>FCD</b>
<b>10.18.24</b>	<b>REV. SET 3 - COMMENTS</b>


# A1

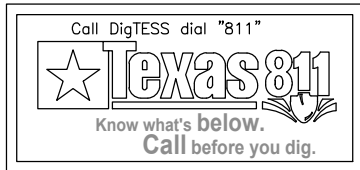


**NOTE: GENERAL CONTRACTOR TO  
VERIFY MOST CURRENT RFDS –  
TO BE PROVIDED BY LESSEE.**

(N) = NEW LESSEE  
(E) = EXISTING  
(F) = FUTURE

**1 SITE PLAN**  
SCALE: 1"=50'-0"

  
NORTH

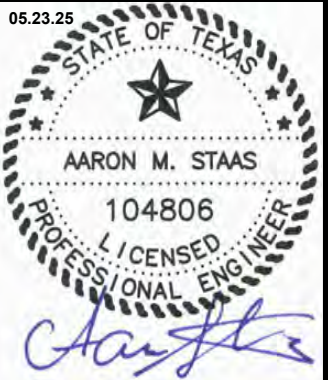


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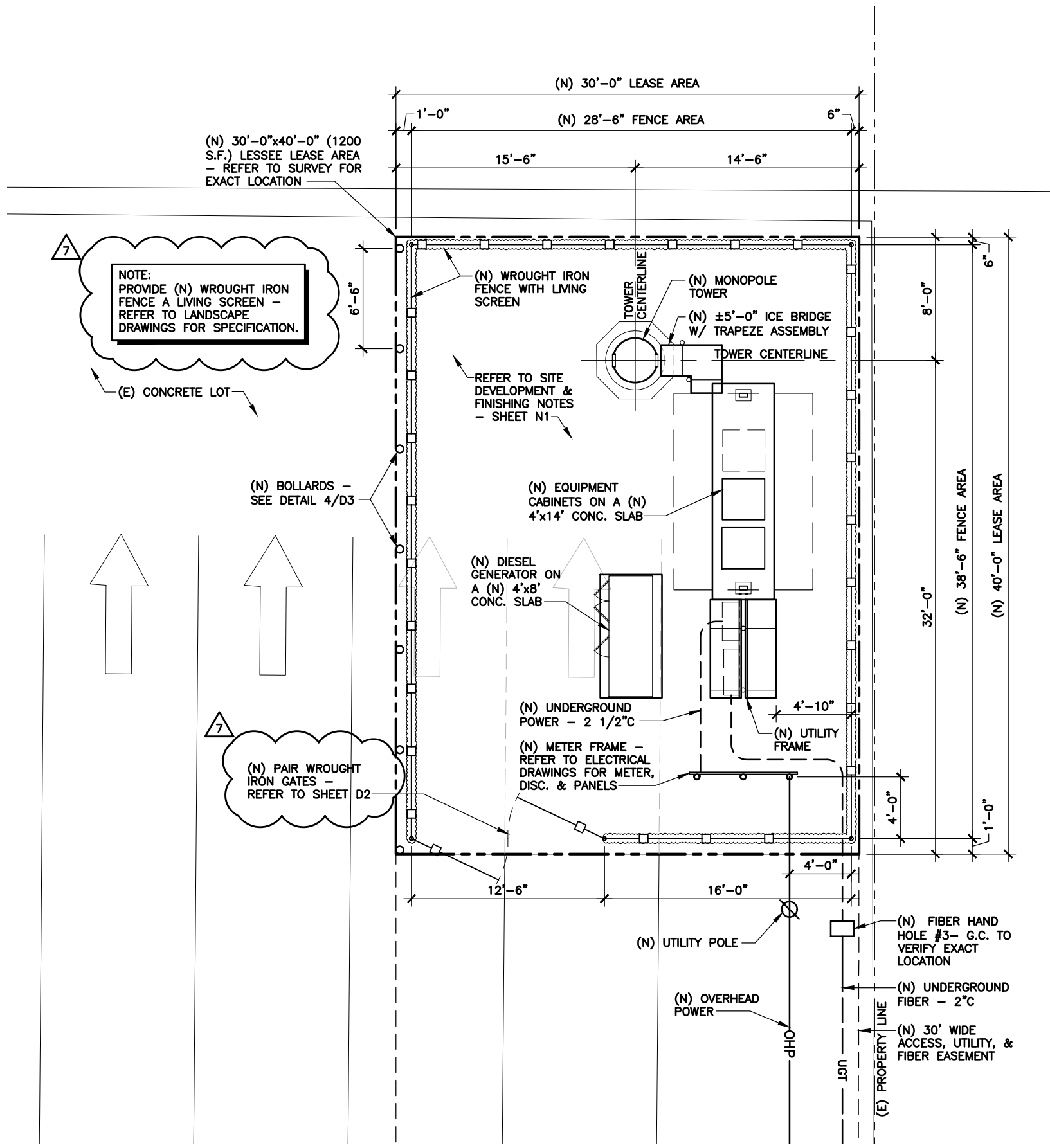
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SHEET TITLE	
DETAIL SITE PLAN	
SHEET HISTORY	
01.09.24	PCD
04.11.24	FCD
05.27.24	REV. SET 1 - COMMENTS
10.18.24	REV. SET 3 - COMMENTS
05.23.25	REV. SET 7 - COMMENTS

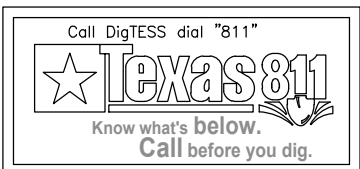
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NOTE: GENERAL CONTRACTOR TO  
VERIFY MOST CURRENT RFDS -  
TO BE PROVIDED BY LESSEE.

(N) = NEW LESSEE  
(E) = EXISTING  
(F) = FUTURE

**1 DETAIL SITE PLAN**  
SCALE: 1/8" = 1'-0"  
NORTH



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1554 N I-35 E  
LEWISVILLE, DENTON COUNTY, TEXAS 75057  
(5000915429)

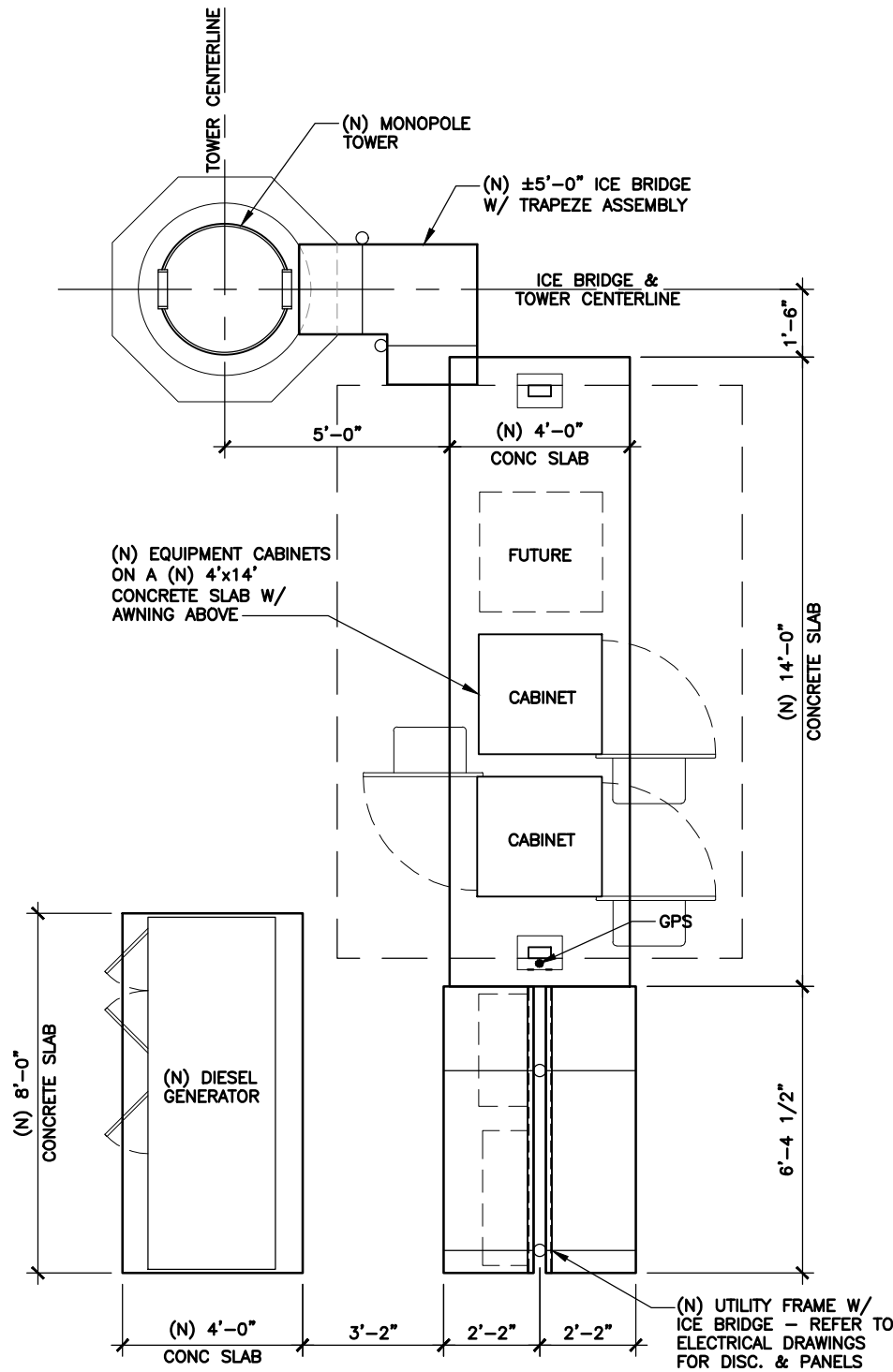


**ARCHCOMM, LLC.**  
1006 Beckett  
San Antonio, Texas 78213  
(210) 308-9905  
TBPE NO. F-15659

SHEET TITLE  
**EQUIPMENT PLAN**

SHEET HISTORY  
11.07.23 PCD  
04.11.24 FCD

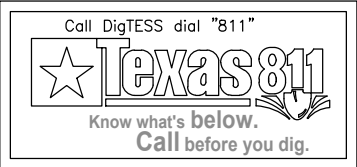
A1-2



**1 EQUIPMENT PLAN**  
SCALE: 1/4" = 1'-0"  
NORTH

NOTE: GENERAL CONTRACTOR TO  
VERIFY MOST CURRENT RFDS -  
TO BE PROVIDED BY LESSEE.

(N) = NEW LESSEE  
(E) = EXISTING  
(F) = FUTURE



E JONES ST  
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1554 N I-35 E  
LEWISVILLE, DENTON COUNTY, TEXAS 75057  
(5000915429)

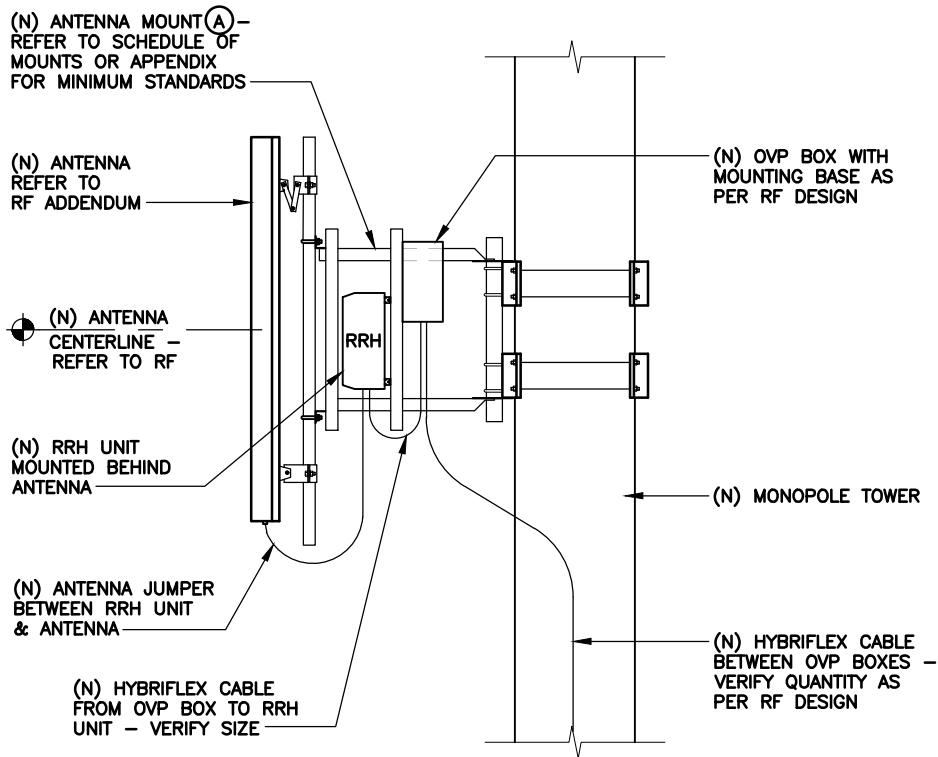


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San Antonio, Texas 78213  
(210) 308-9905  
TBPE NO. F-15659

SHEET TITLE  
SITE ELEVATION

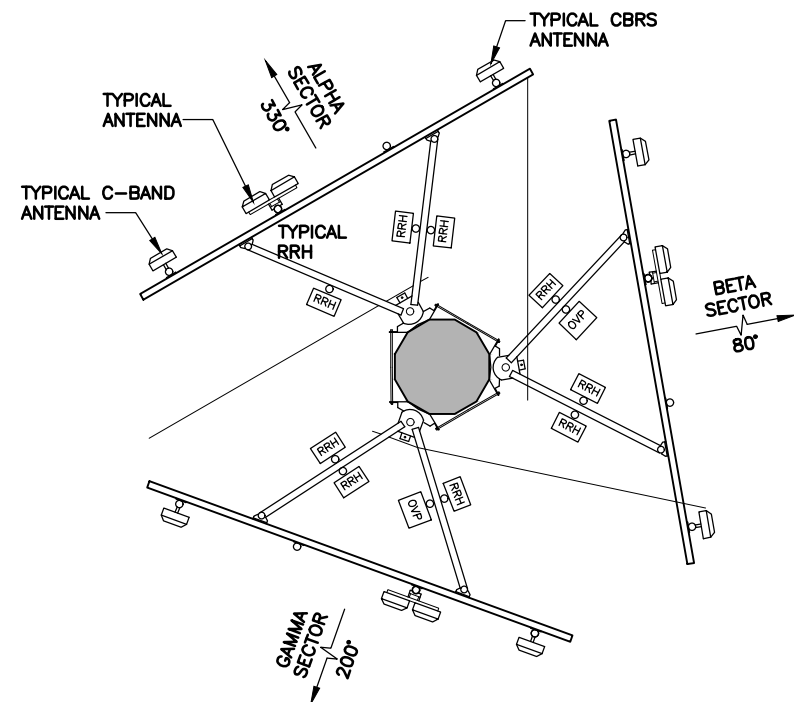
SHEET HISTORY	
01.09.24	PCD
04.11.24	FCD
10.18.24	REV. SET 3 - COMMENTS

A2



## 2 SECTION THRU ANTENNA SECTOR

SCALE: N.T.S.



## 3 PLAN OF ANTENNA SECTORS

SCALE: N.T.S.



(N) = NEW LESSEE  
(E) = EXISTING  
(F) = FUTURE

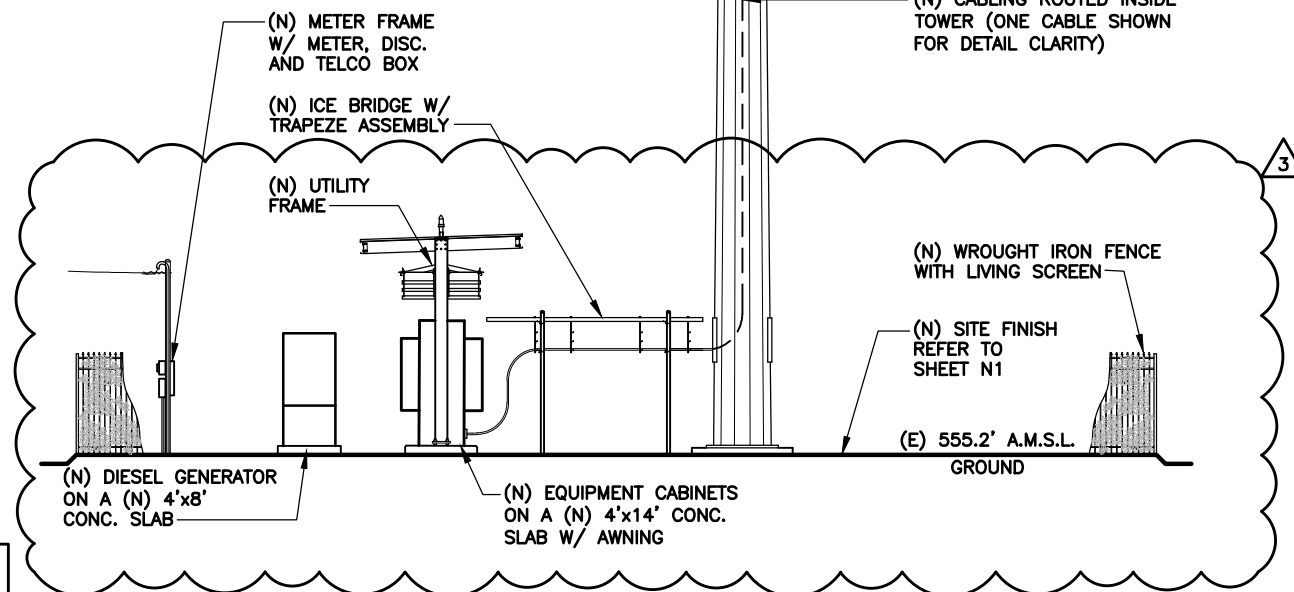
TOWER VERIFICATION NOTE:  
THE GENERAL CONTRACTOR SHALL VERIFY WITH OWNER, THE TOWER TYPE AND HEIGHT PRIOR TO ORDERING OR CONSTRUCTING THE TOWER.

### GENERAL NOTES:

- SUBCONTRACTOR TO COMPLY WITH ALL FCC AND FAA REGULATIONS ON THIS PROJECT.
- ON TOWERS OVER 200' TALL ADD AIRCRAFT WARNING LIGHTS AND CONTROLS PER FAA REGULATIONS.
- THIS SITE ELEVATION IS A GENERALIZATION OF SITE AND TOWER COMPONENTS AND THEIR RELATIONSHIPS WITH ONE ANOTHER.
- ROUTE NEW CABLING INSIDE TOWER UNLESS SPECIFICALLY NOTED TO BE ROUTED OUTSIDE TOWER.

SCHEDULE OF MOUNTS:  
THE FOLLOWING ESTABLISHES MINIMUM STANDARDS FOR MOUNT SELECTION.

- (A) PERFECT VISION STANDOFF SECTOR FRAME #PV-SFR-GS SERIES.



## 1 SITE ELEVATION

SCALE: N.T.S.

Y:\Projects\VERIZON\TEXAS\E\_Jones\_St-764628\Project Assigned Number\CAND\PROD DWGS\E Jones St-05-A2A21 ELEV.dwg, 4/10/2024 4:28:21 PM, JPgarcia

(Continued from page 2)

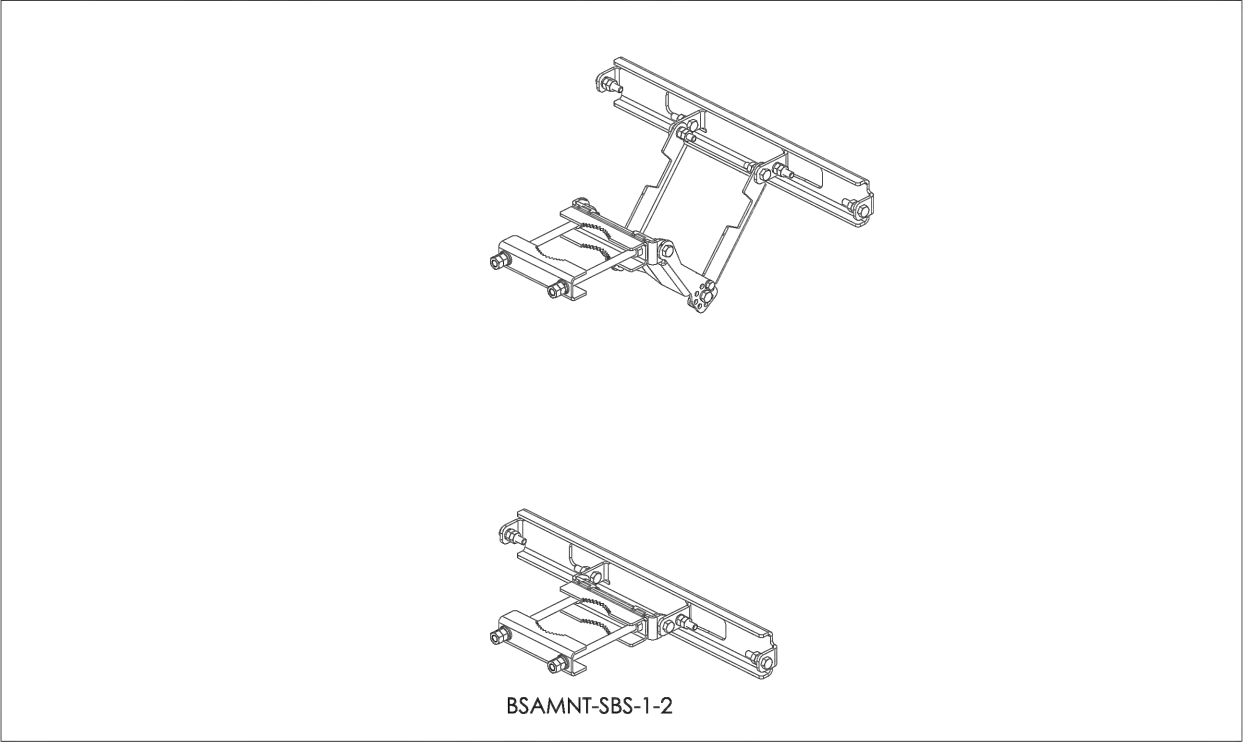


Figure 2. BSAMNT-SBS-1-2 kit.

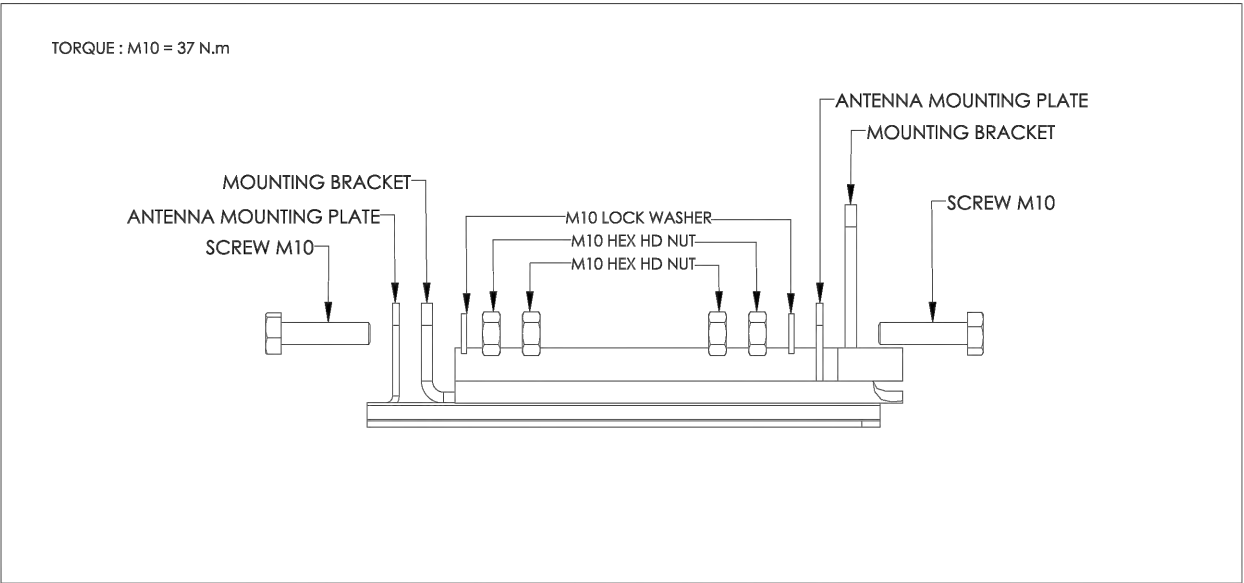


Figure 3. Attaching 627281 Mounting Bracket to Antenna.

(continued on page 4)

(Continued from page 3)

Refer to Bulletin 639849-1 for instructions on using the pipe mount and downtilt bracket(s) to attach the side-by-side antenna assembly to the mast. (Bulletin 639849-1 is included with the BSAMNT-4 kit.)

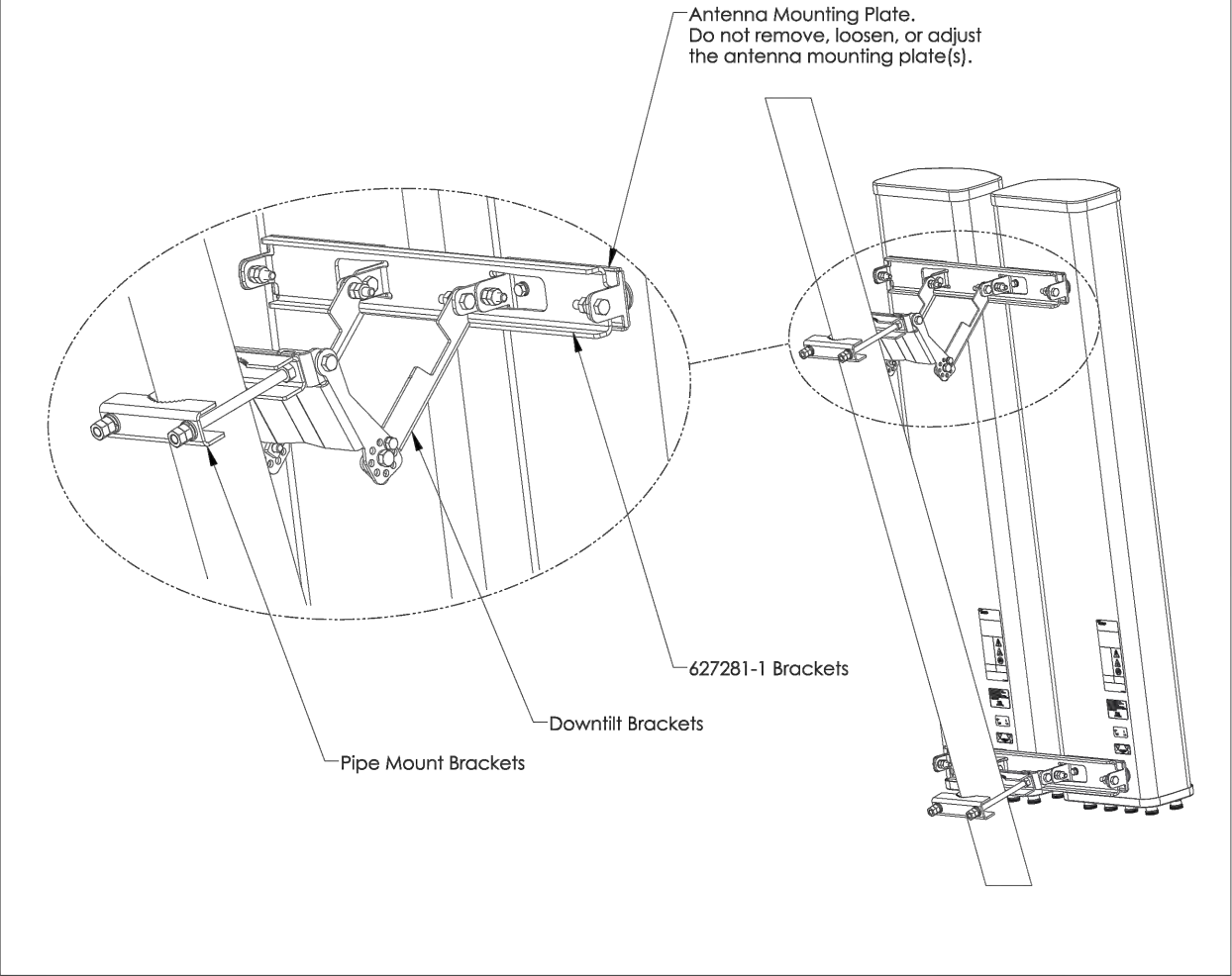


Figure 4. Antenna Assembly Attached to Mast Using BSAMNT-SBS-1-2 Mounting Kits.

**SAFETY NOTICE**

The installation, maintenance, or removal of an antenna requires qualified, experienced personnel. CommScope installation instructions are written for such installation personnel. Antenna systems should be inspected once a year by qualified personnel to verify proper installation, maintenance, and condition of equipment.

CommScope disclaims any liability or responsibility for the results of improper or unsafe installation practices.

It is recommended that transmit power be turned off when the field installation is performed. Follow all applicable safety precautions as shown on this page.



Do not install near power lines. Power lines, telephone lines, and guy wires look the same. Assume any wire or line can electrocute you.



Do not install on a wet or windy day or when lightning or thunder is in the area. Do not use metal ladder.



Wear shoes with rubber soles and heels. Wear protective clothing including a long-sleeved shirt and rubber gloves.

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1550 N STEMMONS FWY  
LEWISVILLE, DENTON COUNTY, TEXAS 75057

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TBPE NO. F-15659

SHEET TITLE  
**ANTENNA MOUNT  
DETAILS**

SHEET HISTORY

11.07.23 PCD

04.11.24 FCD

A2-1

**1 DUAL MOUNT ANTENNA BRACKET**  
SCALE: N.T.S.

IMAGE ABOVE WAS TAKEN FROM COMMScope CATALOG  
AT WWW.COMMScope.COM

THESE DRAWINGS ARE THE PROPERTY OF VERIZON WIRELESS. THEY ARE INTENDED FOR THE EXCLUSIVE USE OF THIS PROJECT ONLY. ANY RE-USE OF THESE PLANS (DRAWINGS) WITHOUT THE EXPRESS WRITTEN CONSENT OF VERIZON WIRELESS IS PROHIBITED.



H:\VERIZON\TEXAS\E\_Jones\_St-764628\Project Assigned Number\CAND\_PROD DWGS\E Jones St-07-D1 GENERAL.dwg, 10/17/2024 4:29:40 PM, mvicana

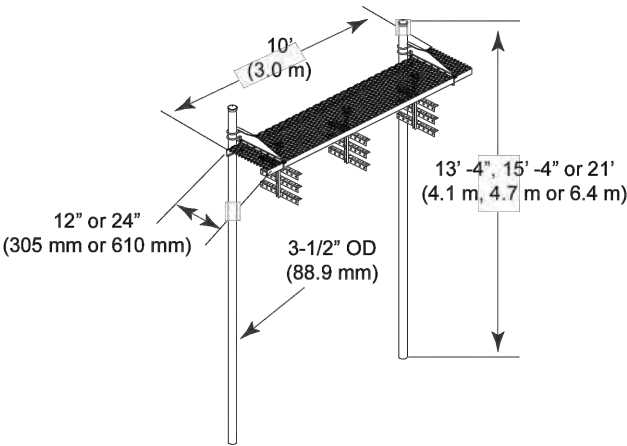
Waveguide Bridge Kits

12" or 24" Two-post Waveguide Bridge Kits

**Application:** Waveguide bridge  
**Design:** Two-post, 10' (3.0 m) safety grating  
**Feature:** Complete kit for coaxial cable support  
**Material:** Hot dip galvanized steel  
**Includes:** Channel, posts, support brackets, caps, trapeze, and hardware  
**Order Separately:** Additional accessories



Part Number	Description	Weight, lb (kg)
<b>12" (0.3 m) Wide Two-post Safety Grated Waveguide Bridge Kit</b>		
WB-K110-B	Two 13'-4" (4.1 m) Direct Burial Posts	325.0 (147.4)
WB-K110-S	Two 10'-6" (3.2 m) Base Shoe Posts	308.0 (139.7)
<b>24" (0.6 m) Wide Two-post Safety Grated Waveguide Bridge Kit</b>		
WB-K210-B	Two 13'-4" (4.1 m) Direct Burial Posts	385.0 (174.6)
WB-K210-B15	Two 15'-4" (4.7 m) Direct Burial Posts	415.3 (188.4)
WB-K210-B21	Two 21' (6.4 m) Direct Burial Posts	501.2 (227.3)
WB-K210-S	Two 10'-6" (3.2 m) Base Shoe Posts	367.0 (166.5)



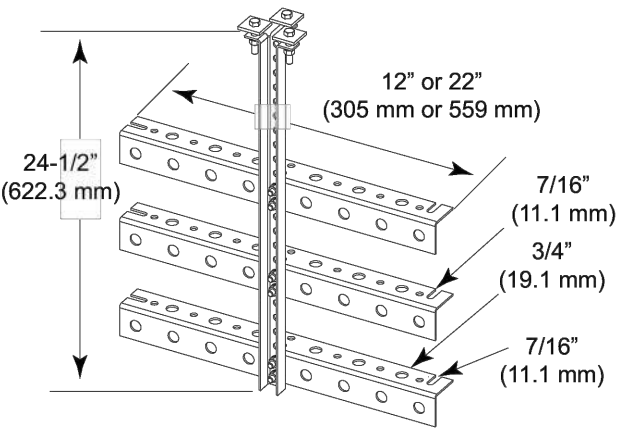
Waveguide Bridge Kit Components

Triple Tee Trapeze Kits

**Application:** Waveguide bridge  
**Size:** 3/4" (19.1 mm) and 7/16" (11.1 mm) holes  
**Design:** Adjustable 3-tier angle brackets  
**Feature:** Tee style for easy install of coaxial cable  
**Mounts to:** Waveguide bridge channel  
**Material:** Hot dip galvanized steel  
**Includes:** Angle brackets and mounting hardware  
**Order Separately:** Additional accessories



Part Number	Description	Weight, lb (kg)
<b>Triple Tee Trapeze Kit</b>		
WB-T12-3	Triple Tee Trapeze Kit, 12" (0.3 m) Wide, 3 Rungs	9.0 (4.1)
WB-T24-3	Triple Tee Trapeze Kit, 24" (0.6 m) Wide, 3 Rungs	13.0 (5.9)

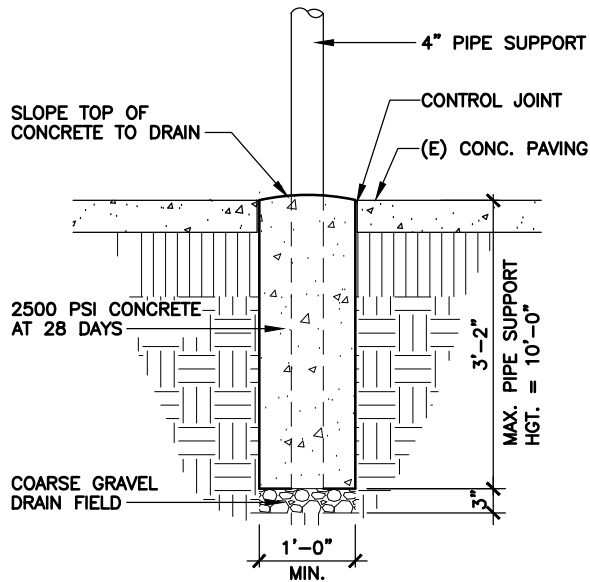


1 ICE BRIDGE W/ TRAPEZE ASSEMBLY

IMAGE WAS TAKEN FROM COMMSCOPE PRODUCT CATALOG

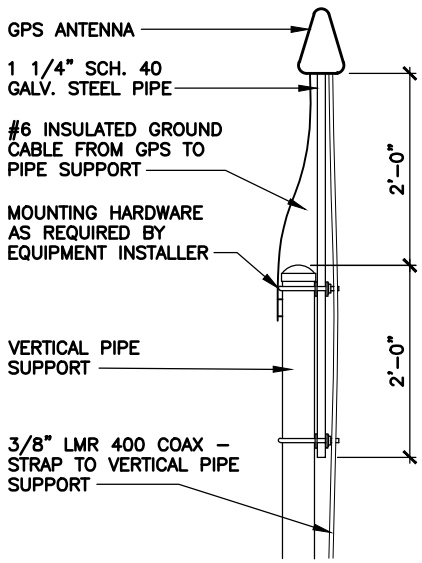
2 TRAPEZE ASSEMBLY KIT

IMAGE WAS TAKEN FROM COMMSCOPE PRODUCT CATALOG



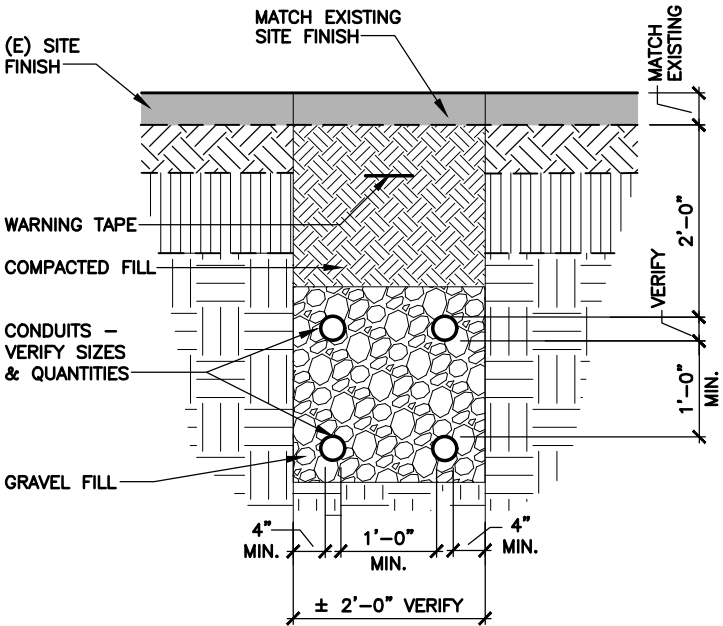
3 ICE BRIDGE POST FOUNDATION

SCALE: 1/2" = 1'-0"



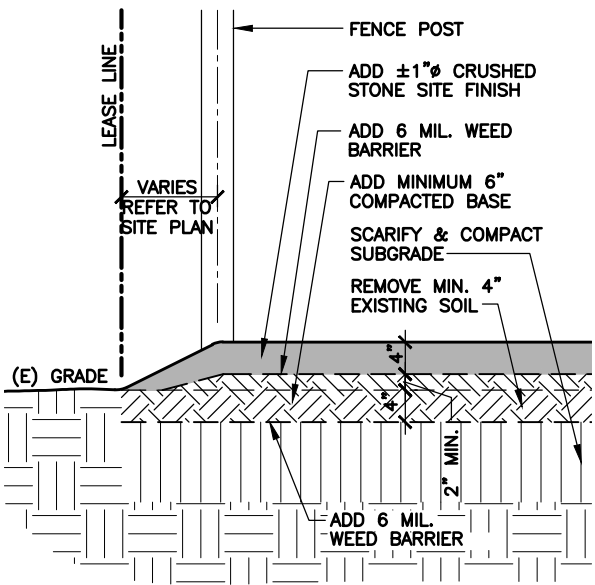
4 GPS MOUNTING DETAIL

SCALE: 1/2" = 1'-0"



5 UTILITIES TRENCH

SCALE: 1/2" = 1'-0"



6 SITE EDGE DETAIL

SCALE: 1/2" = 1'-0" AT FENCE

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LEWISVILLE, DENTON COUNTY, TEXAS 75057  
(5000915429)



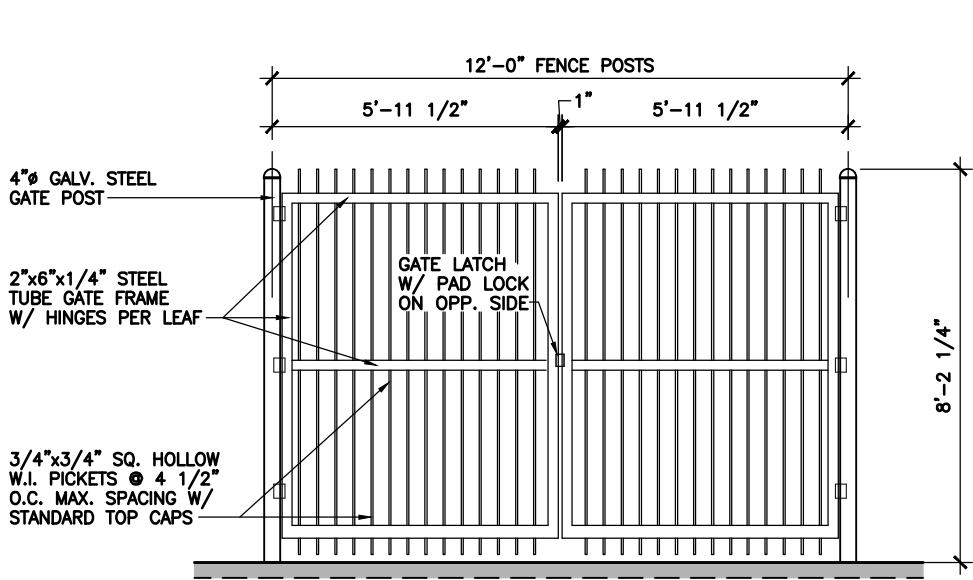
ARCHCOMM, LLC.  
1006 Beckett  
San Antonio, Texas 78213  
(210) 308-9905  
TBPE NO. F-15659

SHEET TITLE  
GENERAL  
DETAILS

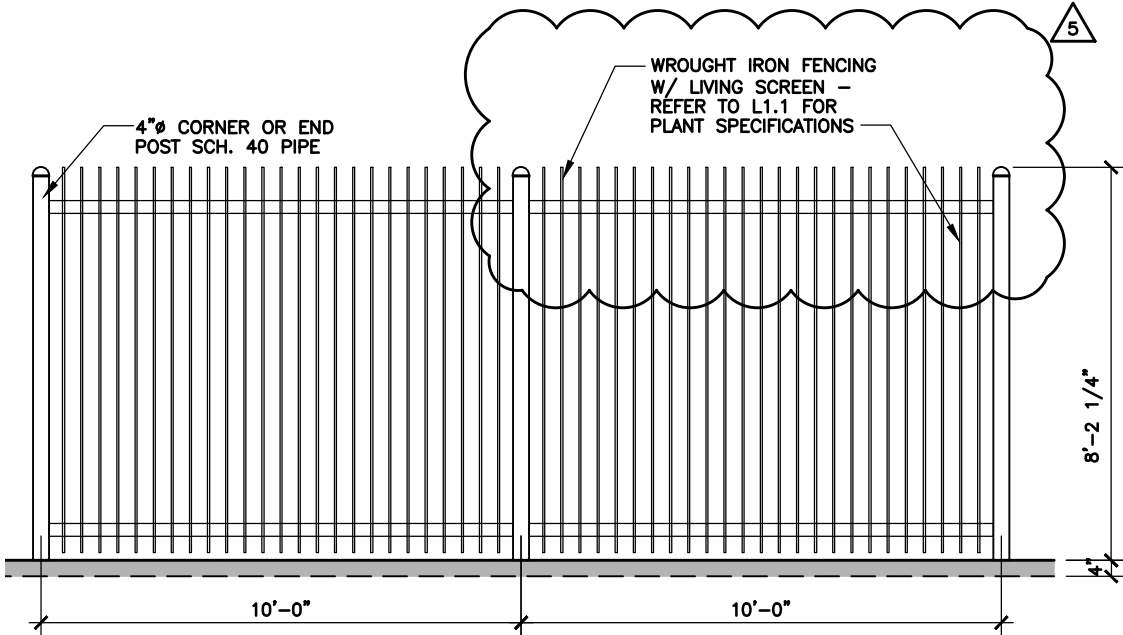
SHEET HISTORY  
11.07.23 PCD  
04.11.24 FCD  
06.18.24 REV. SET 2 - UPDATE DETAIL

D1

H:\VERIZON\TEXAS\E\_Jones\_St-764628\Project Assigned Number\CANDL\_PROD DWGS\E Jones St-08-D2 ENCLOSURE.dwg, 1/17/2025 9:25:11 AM, juan

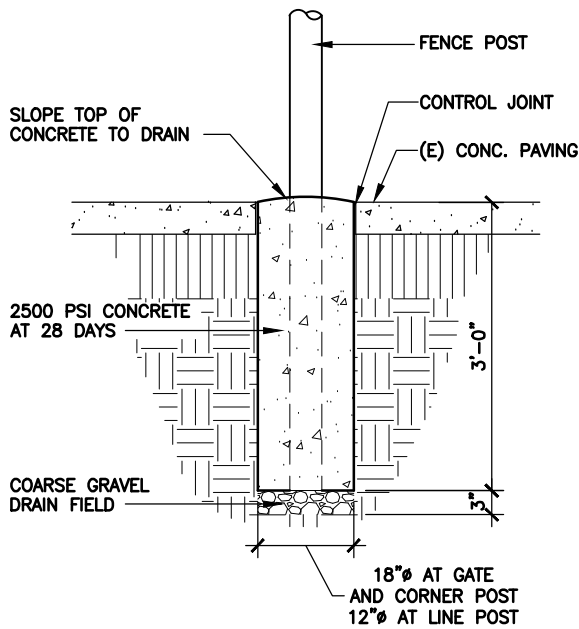


**1 ELEVATION - PAIR OF GATES**  
SCALE: 1/4" = 1'-0"



**2 TYPICAL FENCE ELEVATION**  
SCALE: 1/4" = 1'-0"

NOTE: REFER TO SITE PLAN FOR QUANTITY AND TYPE OF GATE OR GATES REQUIRED.



**3 FOUNDATION**  
SCALE: 1/2" = 1'-0"

1. REFER TO SITE PLAN FOR FENCE OFFSET FROM LEASE LINE.
2. REFER TO SITE PLAN FOR TYPE, SIZE AND QUANTITY OF GATES REQUIRED.
3. USE THESE DETAILS AS A GUIDE AND MINIMUM STANDARDS; OTHERWISE, MATCH EXISTING GATES AND FENCES.

**4 FENCE NOTES**

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**E JONES ST**  
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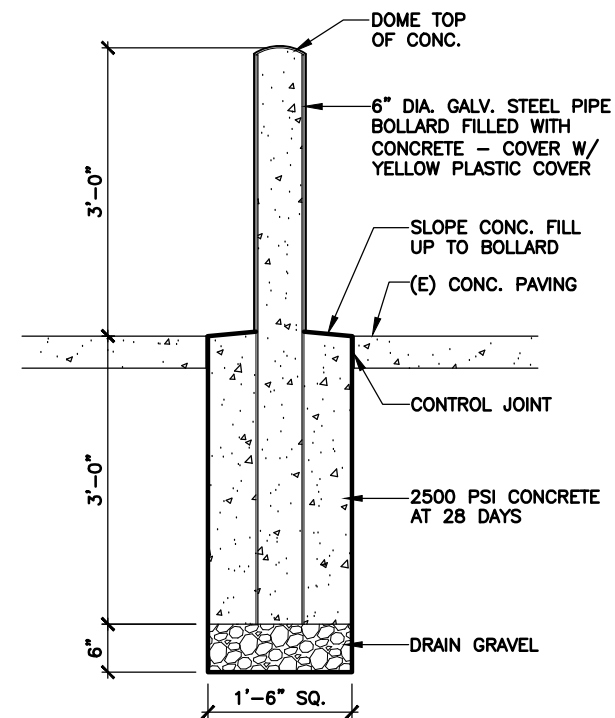
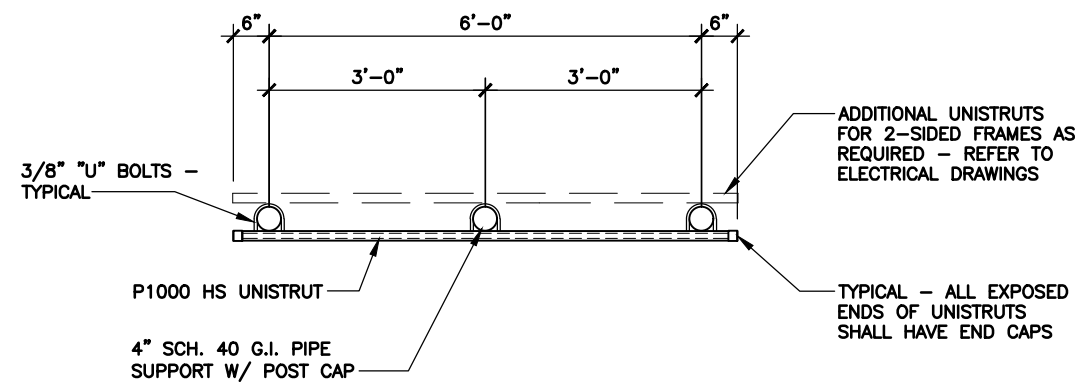
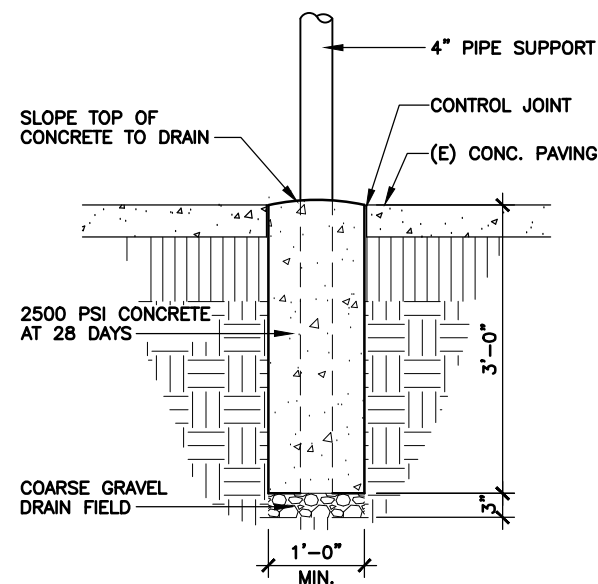
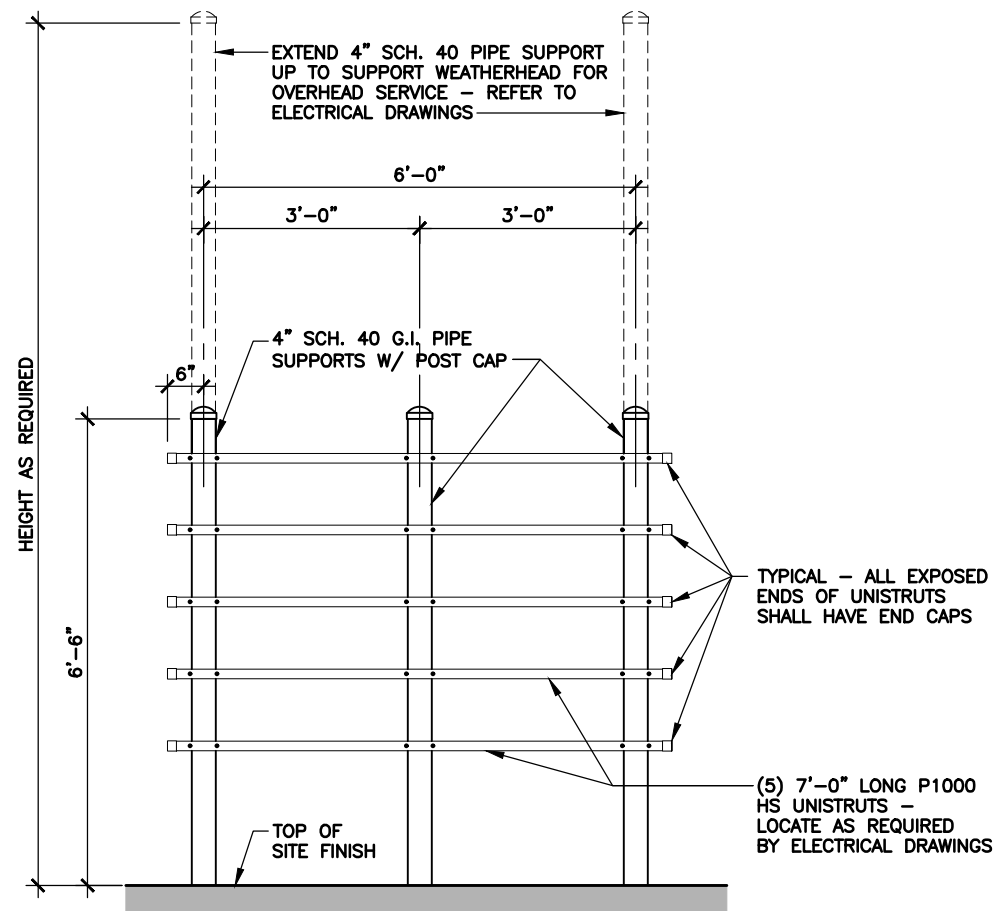
1554 N I-35 E  
LEWISVILLE, DENTON COUNTY, TEXAS 75057  
(5000915429)



**ARCHCOMM, LLC.**  
1006 Beckett  
San Antonio, Texas 78213  
(210) 308-9905  
TBPE NO. F-15659

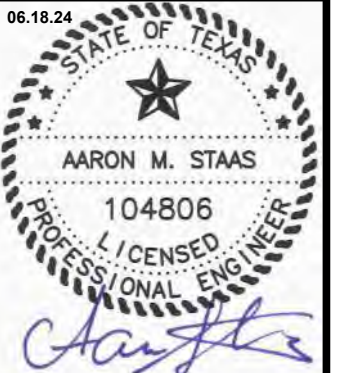
SHEET TITLE	
ENCLOSURE DETAILS	
SHEET HISTORY	
11.07.23	PCD
04.11.24	FCD
06.18.24	REV. SET 2 - UPDATE DETAIL
10.18.24	REV. SET 3 - COMMENTS
01.17.25	REV. SET 5 - COMMENTS

**D2**



**E JONES ST**  
**\*\*\***

1554 N I-35 E  
LEWISVILLE, DENTON COUNTY, TEXAS 75057  
(5000915429)



**ARCHCOMM, LLC.**  
1006 Beckett  
San Antonio, Texas 78213  
(210) 308-9905  
TBPE NO. F-15659

SHEET TITLE  
**METER FRAME  
DETAILS**

SHEET HISTORY	
11.07.23	PCD
04.11.24	FCD
05.27.24	REV. SET 1 - COMMENTS
06.18.24	REV. SET 2 - UPDATE DETAIL

# D3



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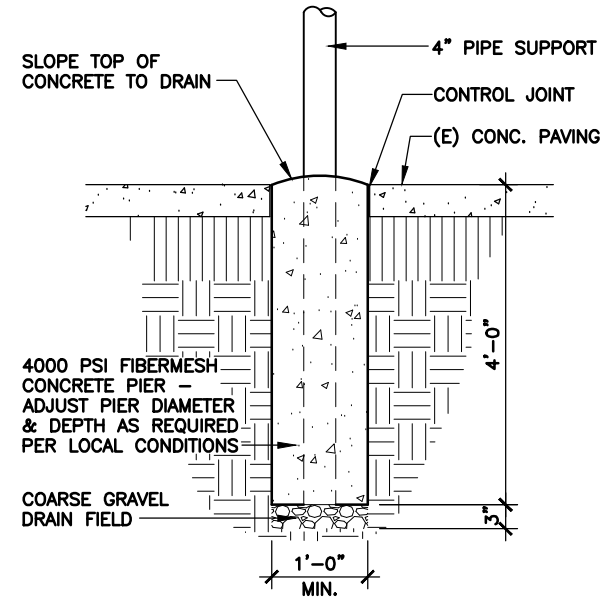
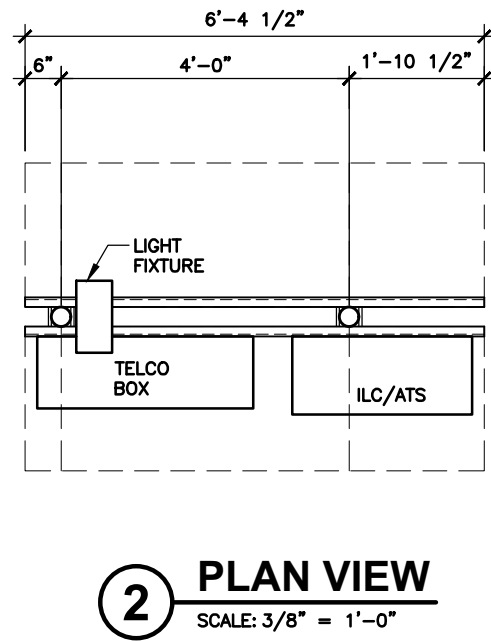
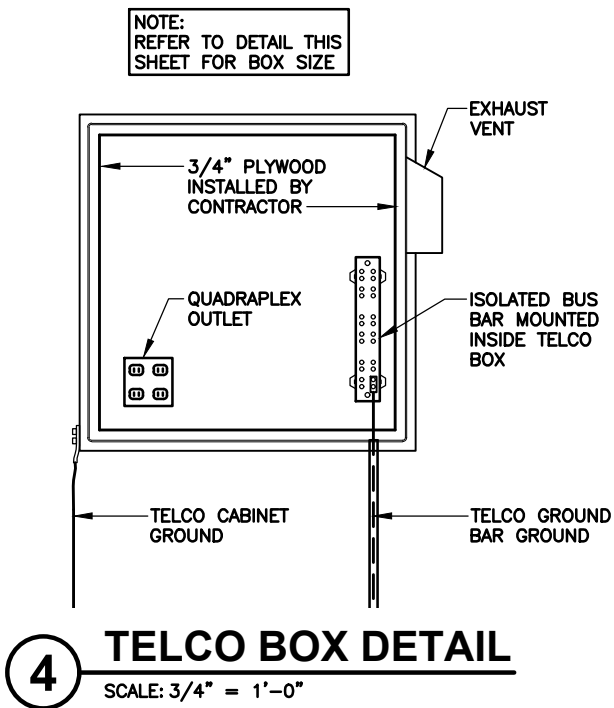
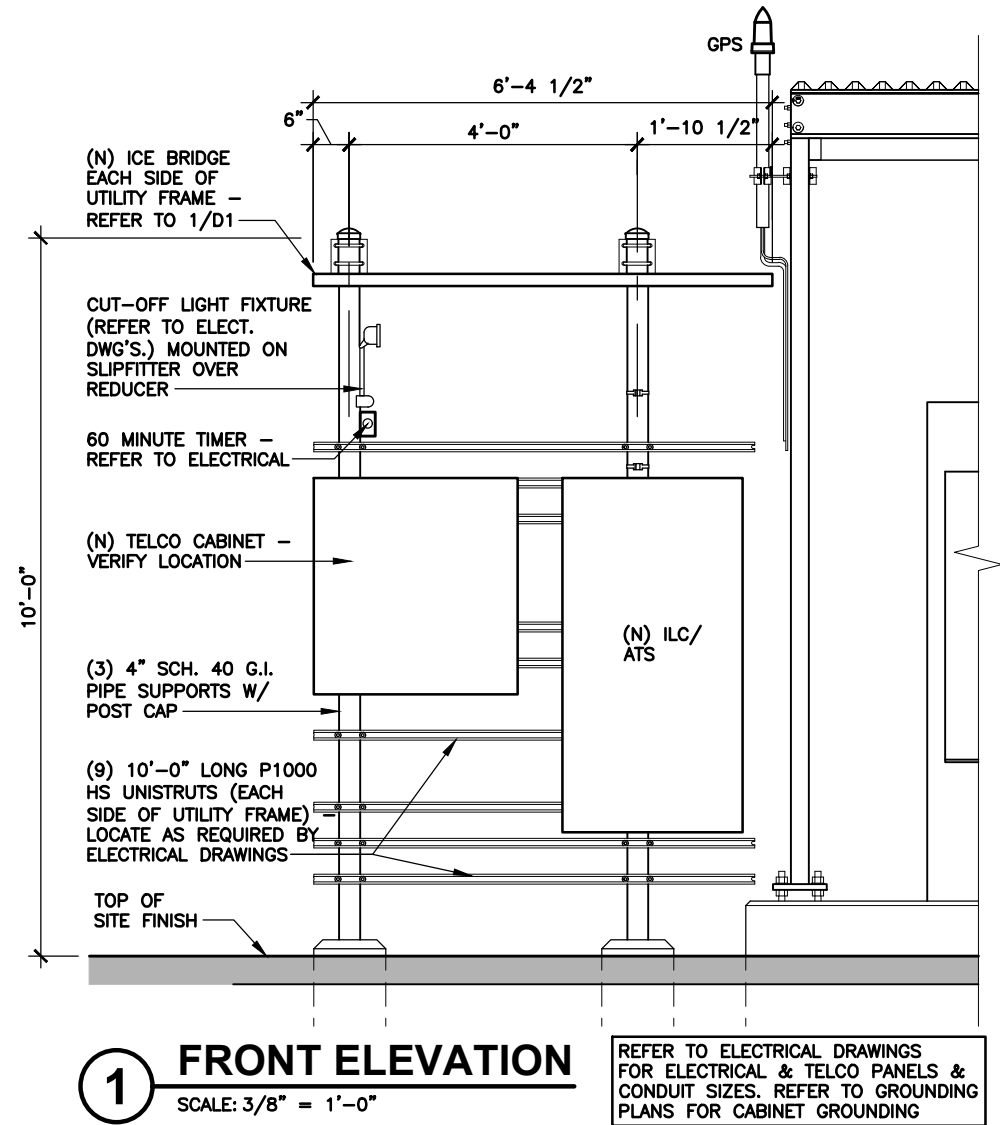


IMAGE BELOW WAS TAKEN FROM ADVANCED LIGHTNING TECHNOLOGY, INC. (A.L.T.) PRODUCT GUIDE (VOLUME 3)

Telco Box			
All Telco Boxes carry a NEMA 3R rating and come with a hinged cover.			
Catalog No.	Dimensions (in.)	Options	Weight (lbs.)
5950-24x24x16	24 x 24 x 16	Includes mounting studs and installed locking T-handle - backing plate not included.	68
5950-30x36x12	30 x 36 x 12	Includes mounting studs and installed locking T-handle - backing plate not included.	118
5950-36x36x12	36 x 36 x 12	Includes locking T-handle and wood backboard.	122
5950-36x48x12	36 x 48 x 12	Includes mounting studs and installed locking T-handle - backing plate not included.	160

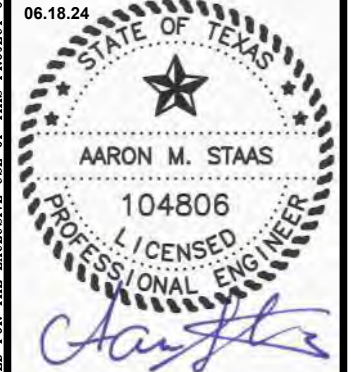
**5 TELCO BOX SCAN**  
NO SCALE

NOTE: CONTRACTOR SHALL VERIFY THE REQUIREMENTS FOR A TELCO BOX AT THIS SITE WITH THE PROJECT MANAGER BEFORE ORDERING. PROVIDE TELCO BOX ONLY AS REQUIRED.

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LEWISVILLE, DENTON COUNTY, TEXAS 75057  
(5000915429)



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San Antonio, Texas 78213  
(210) 308-9905  
TBPE NO. F-15659

SHEET TITLE  
**UTILITY FRAME DETAILS**

SHEET HISTORY  
11.07.23 PCD  
04.11.24 FCD  
06.18.24 REV. SET 2 - UPDATE DETAIL

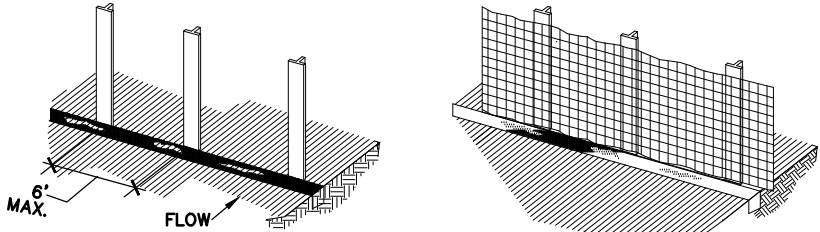
D3-1



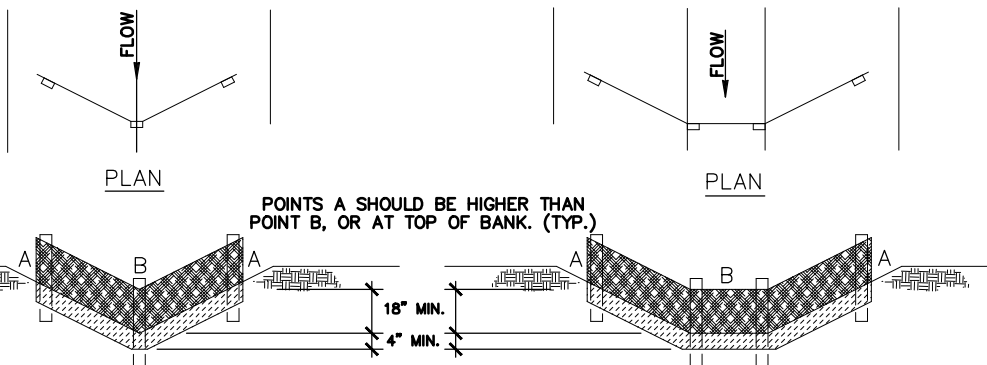
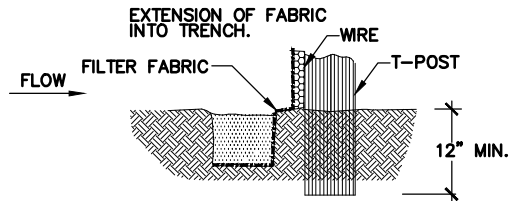
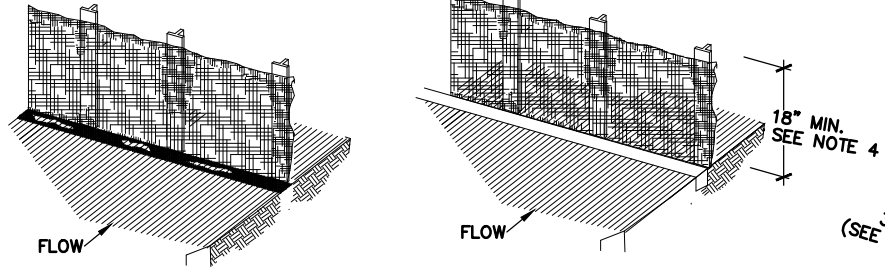


Y:\Projects\VERIZON\TEXAS\E Jones St-764628\Project Assigned Number\CAND\PROD DWGS\E Jones St-12-D6C3 EROSION.dwg, 4/10/2024 4:35:46 PM, JPgarcia

1. SET T-POSTS AND EXCAVATE 4" x 4" TRENCH UPSLOPE ALONG LINE OF T-POSTS. (SEE NOTE 1)
2. SECURE WIRE FENCING TO T-POSTS (SEE NOTE 2)



3. ATTACH FILTER MATERIAL TO WIRE FENCE AND EXTEND IT INTO THE TRENCH. (SEE NOTE 3)
4. BACKFILL AND COMPACT THE EXCAVATED SOIL.



"V-DITCH" SECTION/ELEVATION

TRAPEZOIDAL SECTION/ELEVATION

#### CONSTRUCTION NOTES

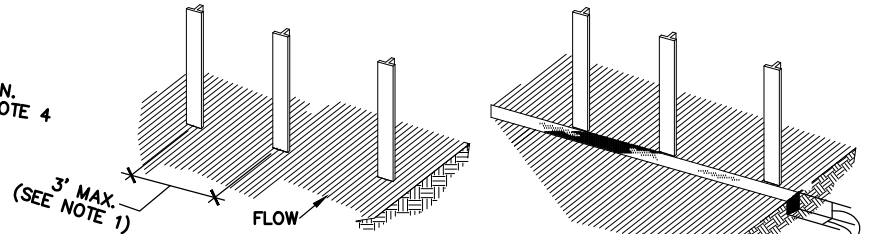
1. SET STEEL T-POSTS SPACED A MAXIMUM OF 6 FEET APART AND EMBEDDED A MINIMUM OF 12 INCHES.
2. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO T-POSTS WITH WIRETIES.
3. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24 INCHES AT TOP AND MIDSECTION.
4. MINIMUM HEIGHT OF FILTER SHOULD BE 18 INCHES AND A MAXIMUM OF 36 INCHES ABOVE NATURAL GROUND.
5. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED 6 INCHES AT THE T-POSTS AND FOLDED.

1

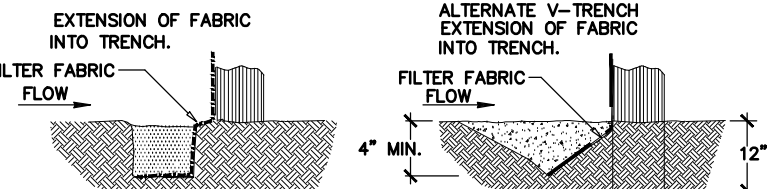
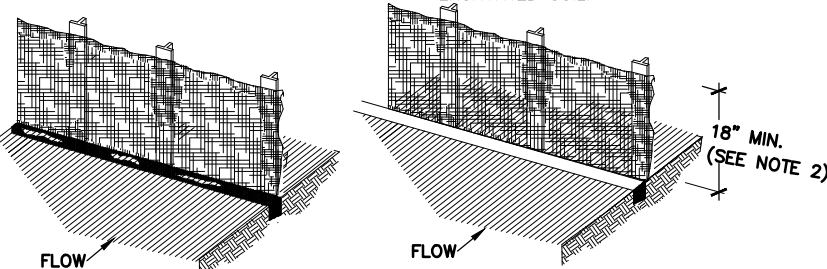
### REINFORCED FILTER FABRIC BARRIER

SCALE: N.T.S.

1. SET T-POSTS AT REQUIRED SPACING
2. EXCAVATE A 4"x4" TRENCH UPSLOPE ALONG THE LINE OF T-POSTS.



3. ATTACH FILTER MATERIAL TO T-POSTS AND EXTEND IT INTO THE TRENCH.
4. BACKFILL AND COMPACT THE EXCAVATED SOIL.



#### CONSTRUCTION NOTES

1. STEEL T-POST TO BE SET AT MAXIMUM SPACING OF 3 FEET AND EMBEDDED A MINIMUM OF 8 INCHES. IF PREASSEMBLED FENCE WITH SUPPORT NETTING IS USED, SPACING OF T-POSTS MAY BE INCREASED TO 8 FEET MAXIMUM.
2. ATTACH FILTER FABRIC TO T-POSTS. FILTER FABRIC FENCE SHALL HAVE A MINIMUM HEIGHT OF 18 INCHES AND MAXIMUM HEIGHT OF 36 INCHES ABOVE NATURAL GROUND.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHOULD BE OVERLAPPED 6 INCHES AT THE T-POSTS AND FOLDED.

2

### FILTER FABRIC BARRIER

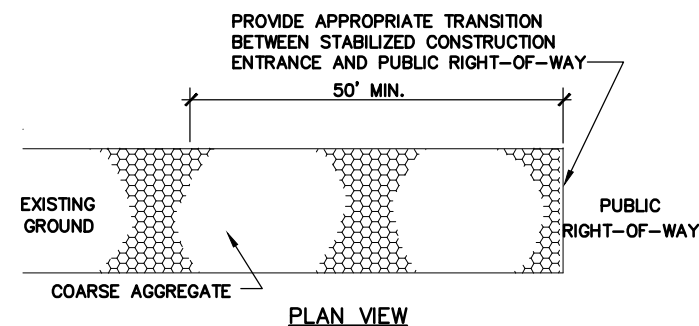
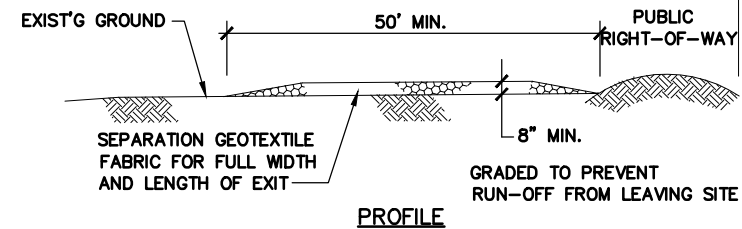
SCALE: N.T.S.

- 1) T-POSTS SHALL BE MEDIUM DUTY, 13 GAUGE STEEL WITH GREEN POWER COAT FINISH. 14 GAUGE "L" POSTS MAY BE SUBSTITUTED FOR T-POSTS.
- 2) THE CONTRACTOR SHALL UTILIZE THESE DETAILS AS APPROPRIATE TO THE INDIVIDUAL PROJECT.

4

### GENERAL NOTES

SCALE: N.T.S.



#### CONSTRUCTION NOTES

1. LENGTH SHALL BE AS SHOWN ON THE CONSTRUCTION DRAWINGS, BUT NOT LESS THAN 50 FEET.
2. THICKNESS SHALL BE NOT LESS THAN 6 INCHES.
3. WIDTH SHALL BE NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
4. STABILIZATION FOR OTHER AREAS SHALL HAVE THE SAME AGGREGATE THICKNESS AND WIDTH REQUIREMENTS AS THE STABILIZED CONSTRUCTION EXIT, UNLESS OTHERWISE SHOWN ON THE CONSTRUCTION DRAWINGS.
5. STABILIZED AREA MAY BE WIDENED OR LENGTHENED TO ACCOMMODATE A TRUCK WASHING AREA. AN OUTLET SEDIMENT TRAP MUST BE PROVIDED FOR THE TRUCK WASHING AREA.

3

### STABILIZED CONSTRUCTION EXIT

SCALE: N.T.S.

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1550 N STEMMONS FWY  
LEWISVILLE, DENTON COUNTY, TEXAS 75057

(5000915429)

04.11.24



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1006 Beckett  
San Antonio, Texas 78213  
(210) 308-9905  
TBPE NO. F-15659

SHEET TITLE  
**EROSION  
CONTROL**

SHEET HISTORY

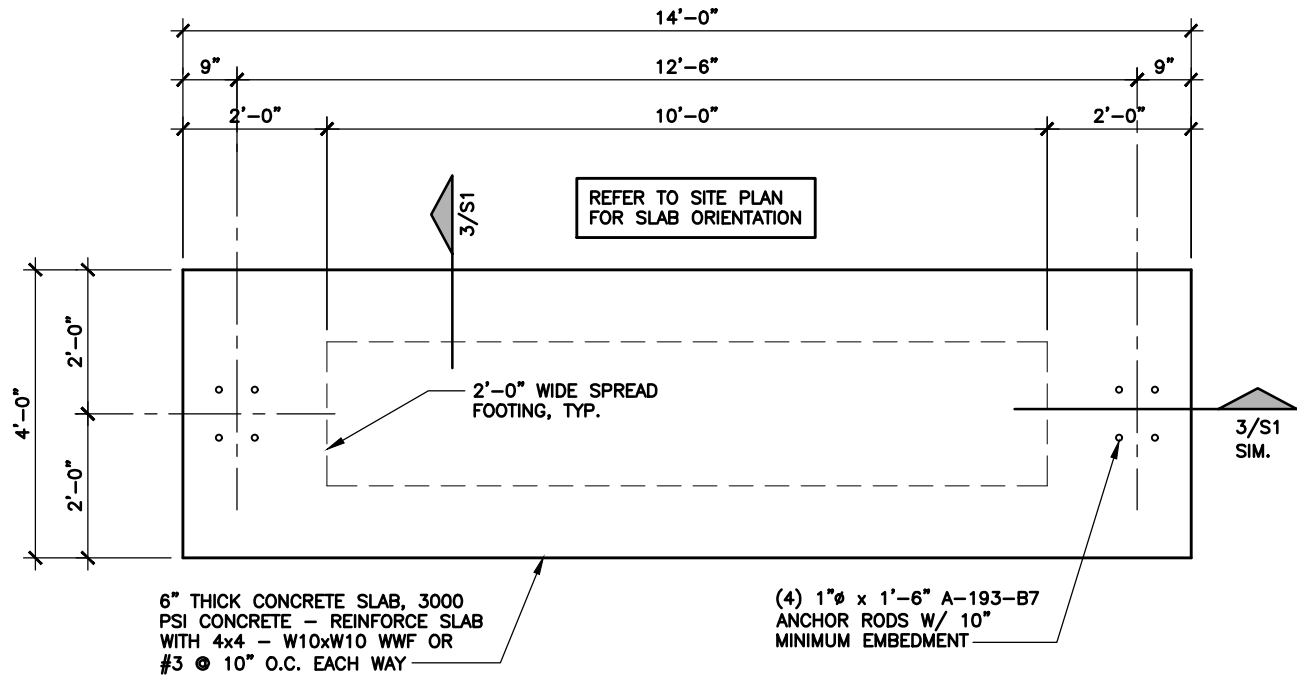
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04.11.24 FCD

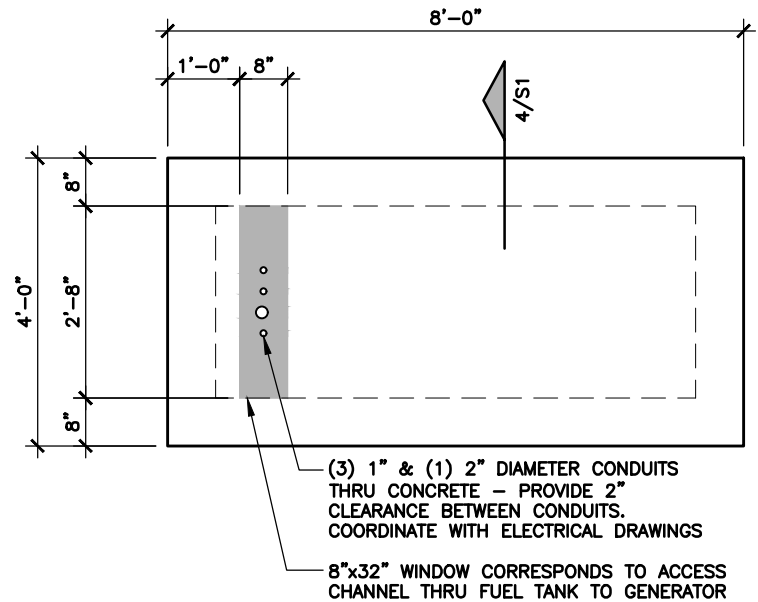
D5



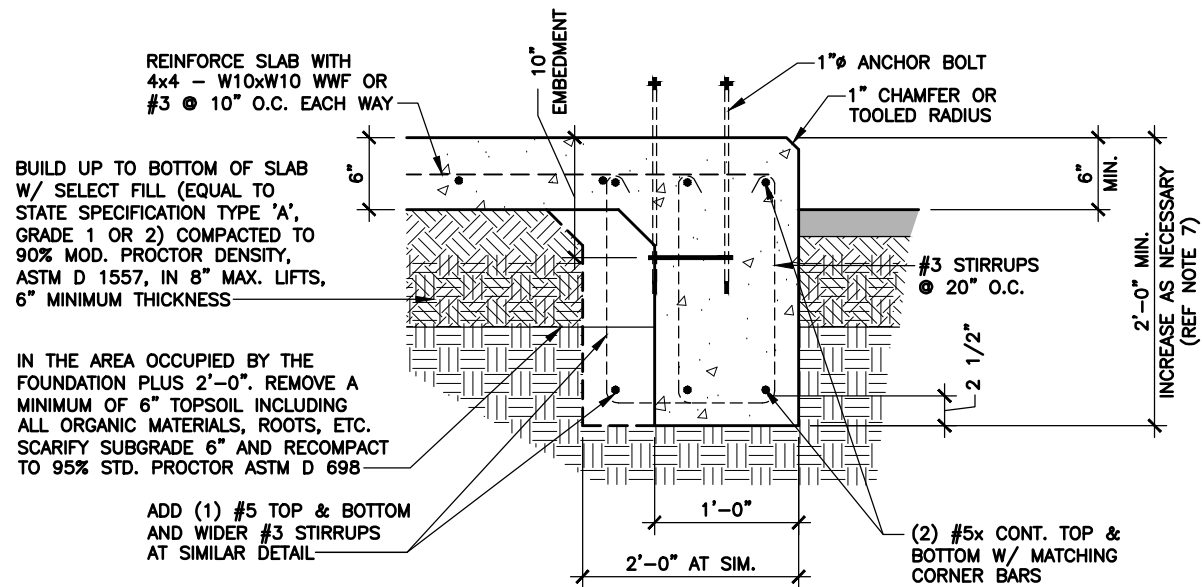
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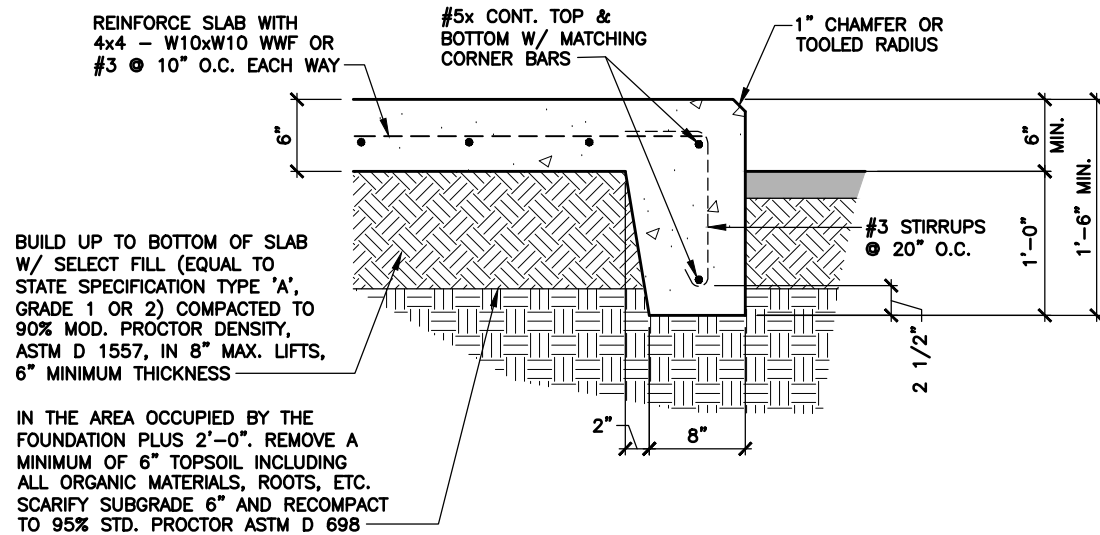
**1 EQUIPMENT FOUNDATION**  
SCALE: 3/8" = 1'-0"



**2 GENERATOR FOUNDATION**  
SCALE: 3/8" = 1'-0"



**3 SLAB SECTION**  
SCALE: 3/4" = 1'-0"



**4 SLAB SECTION**  
SCALE: 3/4" = 1'-0"

**CONCRETE AND REINFORCING STEEL NOTES:**

- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A184, ASTM A185 AND THE DESIGN AND CONSTRUCTION SPECIFICATION FOR CAST-IN-PLACE CONCRETE.
- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS, UNLESS NOTED OTHERWISE. REPLACE 20% CEMENT CONTENT BY WEIGHT WITH FLYASH. ASTM C-618
- REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60 FOR PRIMARY REINFORCING AND GRADE 40 FOR STIRRUPS AND TIES, DEFORMED. SPLICES SHALL BE CLASS 'B' AND ALL HOOKS SHALL BE STANDARD. ALL UNLESS NOTED OTHERWISE.

- THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:

CONCRETE CAST AGAINST EARTH	3 IN.
CONCRETE EXPOSED TO EARTH OR WEATHER:	
#6 AND LARGER	2 IN.
#5 AND SMALLER & WWF	
CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR NOT CAST AGAINST THE GROUND:	
SLAB ON GRADE	1 1/2" FROM TOP

- A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNLESS NOTED OTHERWISE. IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.

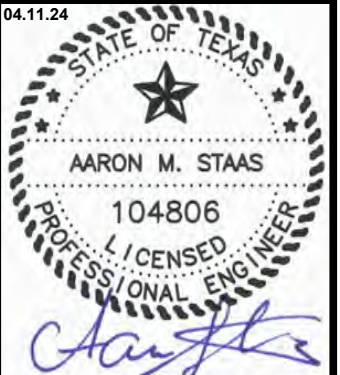
- INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR, SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURE. THE ANCHOR BOLT, DOWEL OR ROD SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. NO REBAR SHALL BE CUT WITHOUT PRIOR ENGINEERING APPROVAL WHEN DRILLING HOLES IN CONCRETE. EXPANSION BOLTS SHALL BE PROVIDED BY RAMSET/REDHEAD OR APPROVED EQUAL.
- FOUNDATION DESIGN IS BASED ON SOIL WITH 1500 PSF BEARING CAPACITY PER IBC PRESUMPTIVE VALUES. IF EXISTING SOIL DOES NOT HAVE A MINIMUM 1500 PSF BEARING CAPACITY, CONTRACTOR SHALL EXTEND PERIMETER BEAM TO REACH SOIL WITH MINIMUM 1500 PSF BEARING CAPACITY.

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TBPE NO. F-15659

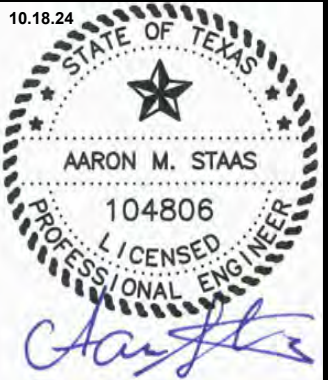
SHEET TITLE  
**FOUNDATION  
PLANS & DETAILS**

SHEET HISTORY  
11.07.23 PCD  
04.11.24 FCD

S1

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SHEET TITLE  
GROUNDING PLAN

SHEET HISTORY	
11.07.23	PCD
04.11.24	FCD
10.18.24	REV. SET 3 - COMMENTS

G1

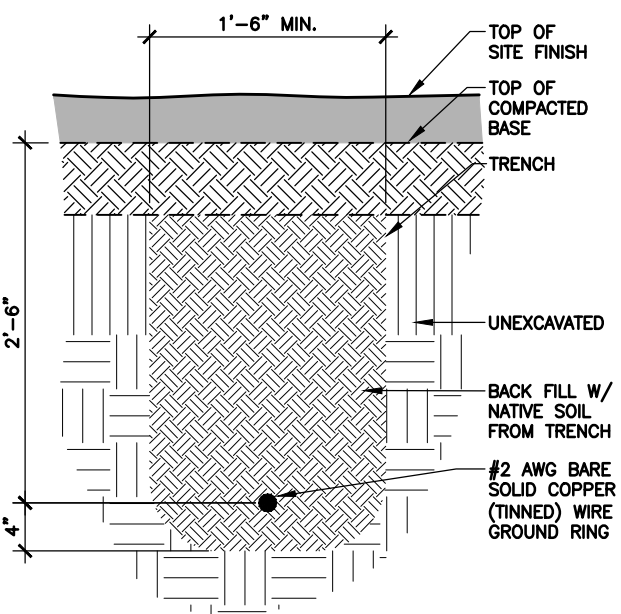
THESE DRAWINGS ARE THE PROPERTY OF VERIZON WIRELESS. THEY ARE INTENDED FOR THE EXCLUSIVE USE OF THIS PROJECT ONLY. ANY RE-USE OF THESE PLANS (DRAWINGS) WITHOUT THE EXPRESS WRITTEN CONSENT OF VERIZON WIRELESS IS PROHIBITED.

GROUNDING LEGEND

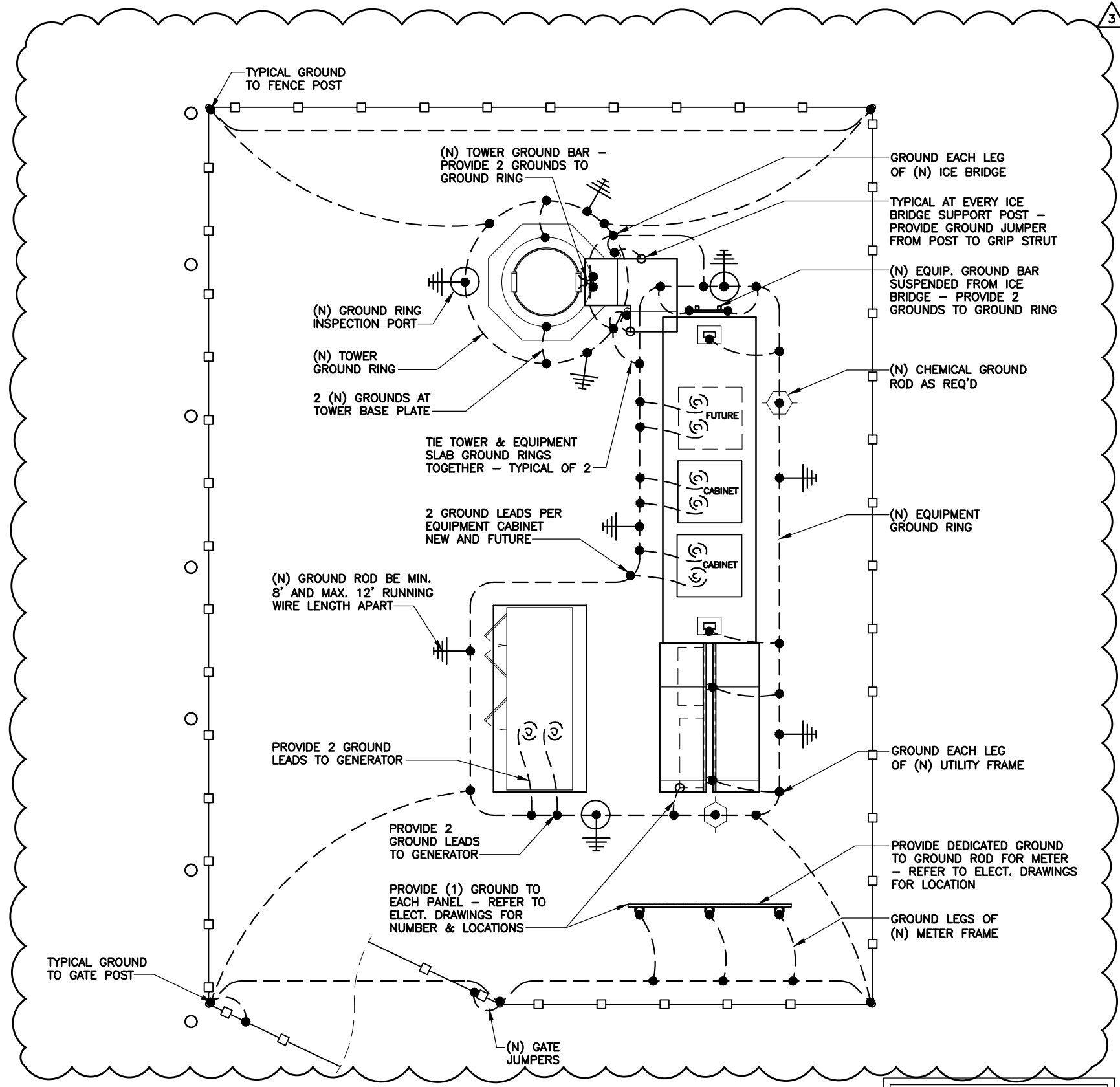
- CRIMPED CONNECTION
- GROUND WIRE/GROUND RING
- EXOTHERMIC CONNECTION WELD
- MECHANICAL CONNECTION (TWO HOLE LUGS TYP.)
- 5/8"x8'-0" GALVANIZED STEEL GROUND ROD TO BE MIN. 8' TO MAX. 12' RUNNING WIRE LENGTH APART. CAD WELDED TO GROUND LOOP
- GROUND RING INSPECTION WELL
- 20' CHEMICAL GROUND ROD IN AN INSPECTION WELL, PLACE VERTICALLY OR HORIZONTALLY
- GALVANIZED STEEL OR ALUMINUM GROUND BAR

GENERAL NOTES

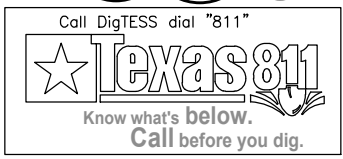
- ALL GROUND WIRES SHOWN BELOW GRADE SHALL BE #2 SOLID TIN PLATED COPPER UNLESS OTHERWISE IDENTIFIED.
- ALL EXPOSED GROUND LEADS TO BE IN 1/2" SEAL TIGHT W/ SILICONE.
- PROVIDE CHEMICAL GROUND RODS WHEN DRIVEN RODS ARE NOT PRACTICAL OR WHERE A STANDARD 5 OHMS RESISTANCE CANNOT BE OBTAINED AT THE SITE. LOCATION SHALL BE DETERMINED ON SITE BY PROJECT MANAGER.
- ALL GROUNDING COMPONENTS LOCATION AND QUANTITIES ARE TO BE FIELD VERIFIED DURING INSTALLATION.
- AFTER SITE GROUNDING IS COMPLETED THE GROUNDING INSTALLATION SHALL TEST AT 5 OHMS OR LESS.



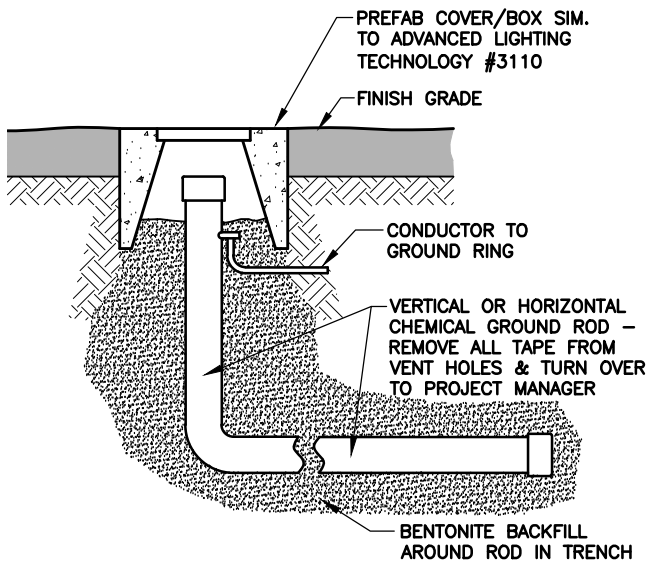
2 GROUND RING TRENCH  
SCALE: 3/4" = 1'-0"



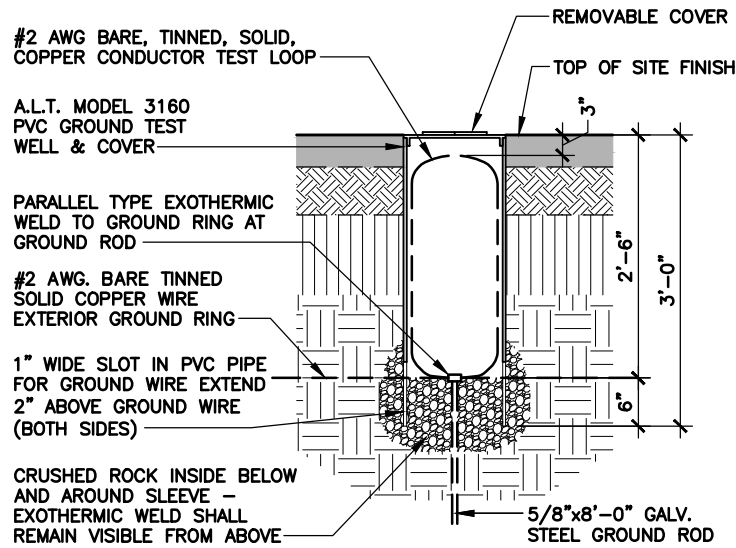
1 GROUNDING PLAN  
SCALE: 3/16" = 1'-0"



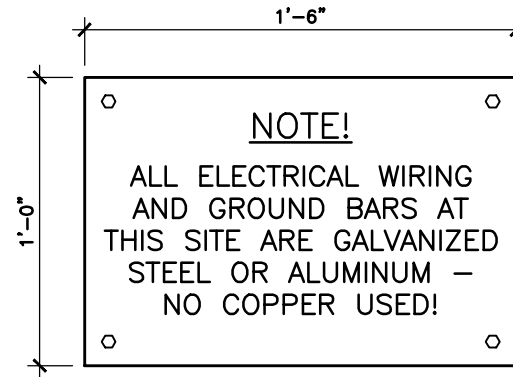
H:\VERIZON\TEXAS\E\_Jones\_St-764628\Project Assigned Number\CAND\_PROD DWGS\E Jones St-16-G2 DETAILS.dwg, 1/16/2025 10:40:44 AM, juan



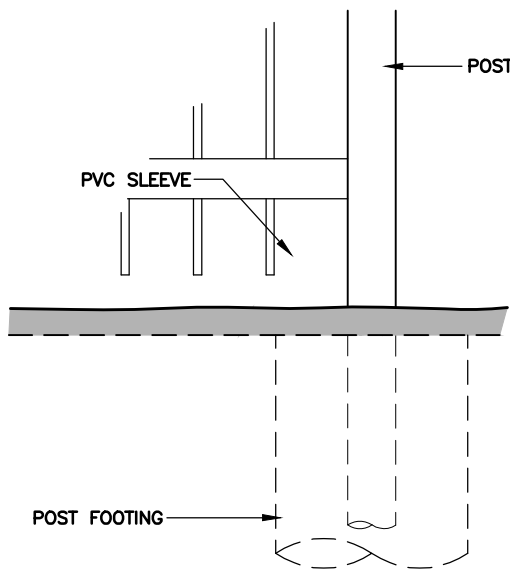
**1** **CHEMICAL GROUND ROD/INSPECTION WELL**  
SCALE: 3/4" = 1'-0"



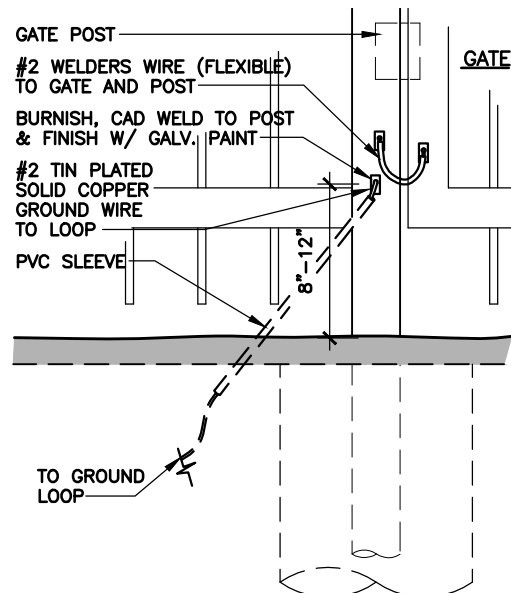
**2** **GALVANIZED STEEL GROUND/ROD INSPECTION WELL**  
SCALE: 1/2" = 1'-0"



**3** **THEFT PREVENTION "GROUNDING" SIGN AT GATE**  
SCALE: 1 1/2" = 1'-0"



**4** **FENCE POST GROUNDING**  
SCALE: 1" = 1'-0"

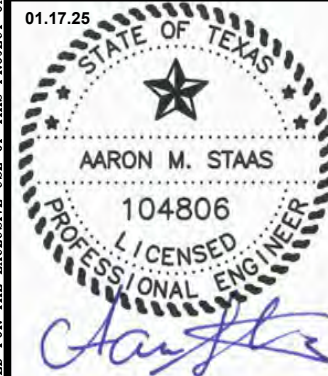


**5** **GATE POST GROUNDING**  
SCALE: 1" = 1'-0"

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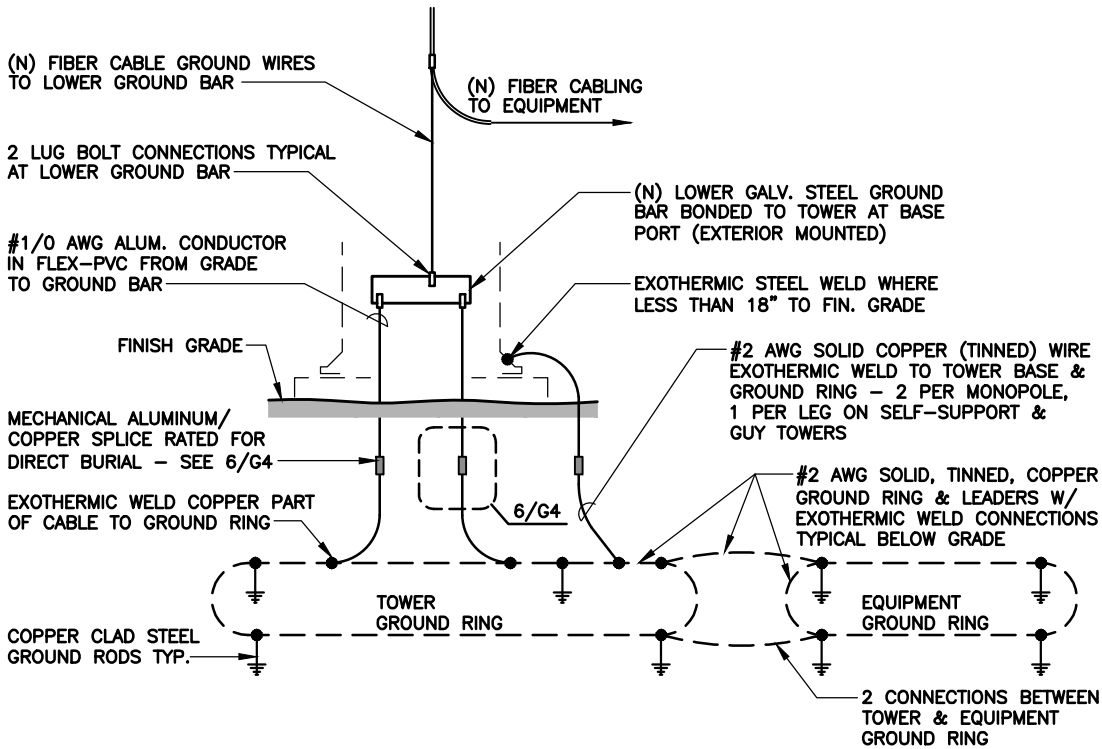
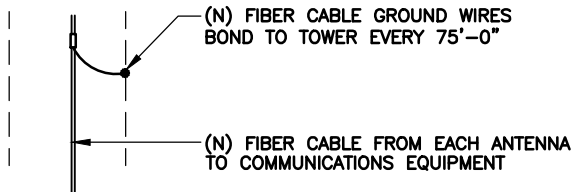
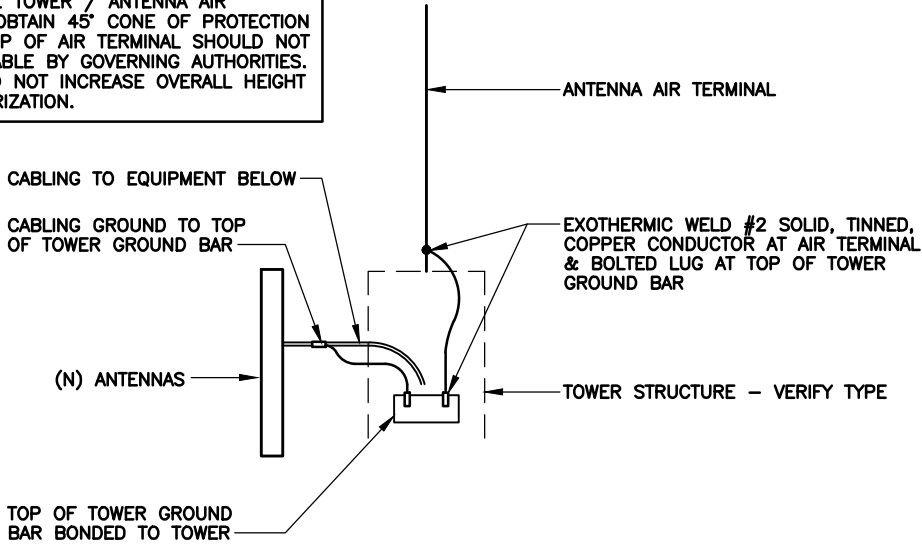
SHEET TITLE	
GROUNDING DETAILS	
SHEET HISTORY	
11.01.23	PCD
04.11.24	FCD
01.17.25	REV. SET 5 - UPDATE DETAILS

**G2**



Y:\Projects\VERIZON\TEXAS\E\_Jones\_St-764628\Project Assigned Number\CAND\PROD DWGS\E Jones St-17-G3 TOWER.dwg, 4/10/2024 4:37:33 PM, JPgarcia

NOTE: ADD APPROPRIATE TOWER / ANTENNA AIR TERMINAL IN ORDER TO OBTAIN 45° CONE OF PROTECTION OVER NEW ANTENNAS. TOP OF AIR TERMINAL SHOULD NOT EXCEED MAXIMUM ALLOWABLE BY GOVERNING AUTHORITIES. ON EXISTING TOWERS, DO NOT INCREASE OVERALL HEIGHT WITHOUT WRITTEN AUTHORIZATION.



## 1 TOWER GROUNDING DIAGRAM

SCALE: NONE

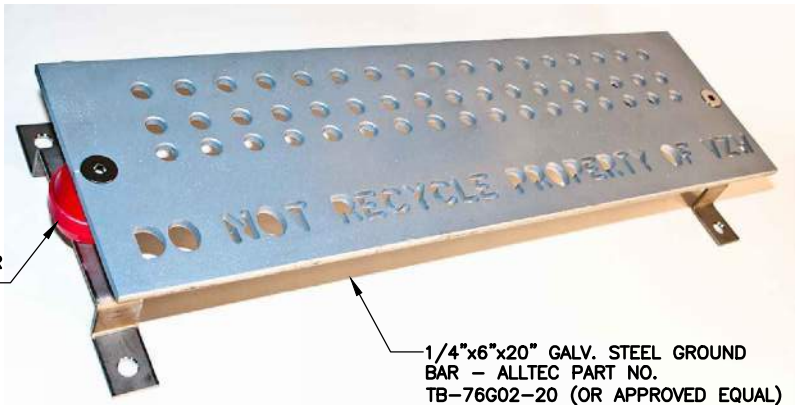
1. IN SO FAR IS PRACTICAL AND TO AFFORD MAXIMUM PROTECTION TO THE SITE, ALL ELECTRICAL CONDUCTORS PROVIDING POWER TO AND THROUGHOUT THE SITE AND GROUND CONDUCTORS SHALL BE ALUMINUM. ALL GROUND BARS SHALL BE GALVANIZED STEEL. WHERE ACCESS IS SECURE (I.E., BURIED GROUND RINGS, LEADS, AND INSIDE SHELTERS & EQUIPMENT CABINETS, ETC.) COPPER MAY HAVE LIMITED USE.
2. ABOVE GRADE GROUNDING CONDUCTORS SHALL BE ALUMINUM AND GROUNDING CONDUCTORS INSTALLED BELOW GRADE SHALL REMAIN COPPER.
3. COPPER JOINTS, SPLICES OR CONNECTIONS SHALL BE AS INDICATED IN THE CONSTRUCTION DOCUMENTS. COPPER TO COPPER AND COPPER TO STEEL CONNECTIONS SHALL BE EXOTHERMIC WELD OR MECHANICAL AS DESIRED. ANY CONNECTIONS THAT ARE BELOW GRADE (I.E., GROUND RINGS, LEADS, ETC.) OR OTHERWISE NOT ACCESSIBLE SHALL BE EXOTHERMIC WELDS AS ARE PRACTICAL; HOWEVER, NO EXOTHERMIC WELDS SHALL BE MADE TO ANY GALVANIZED STEEL TOWER ELEMENT WHERE THE SIDE OPPOSITE THE WELD IS NOT ACCESSIBLE FOR INSPECTION (I.E., MONOPOLE, PIPE OR TUBE SECTIONS).
4. ALLUMINUM-ASSOCIATED CONNECTIONS SHALL BE APPROPRIATELY RATED MECHANICAL CONNECTIONS. THE DISSIMILARITY OF ALUMINUM WITH COPPER AND STEEL MAKES THE USE OF EXOTHERMIC WELDS IMPRACTICAL WHERE ALUMINUM CONDUCTORS ARE CONCERNED.
5. ANY ALUMINUM CONDUCTORS LOCATED CLOSER THAN 18" TO GRADE SHALL BE PROTECTED BY WATERPROOF INSULATION. ANY ALUMINUM CONDUCTOR CONNECTIONS LOCATED CLOSER THAN 18" TO GRADE SHALL BE TREATED AS A WATERPROOF CONNECTION RATED FOR DIRECT BURIAL.

## 2 ELECTRICAL CONDUCTORS

SCALE: NONE

IMAGE WAS TAKEN FROM ALLTEC CORPORATION PRODUCT CATALOG

NOTE: DELETE ISOLATORS ON TOP OF TOWER GROUND BAR & LOWER GROUND BAR



## 3 GALV. STEEL GROUND BAR

SCALE: NONE

PROVIDE SHRINK WRAP 24" LONG FOR SECOND WATER TIGHT COVER TO ABOVE GRADE



Fig. 1



Fig. 2

NOTE: SHRINK WRAP SECOND LAYER TO EXTEND MINIMUM OF 20" ABOVE FINISH GRADE.



Catalog Number	Figure Number	Wire Range	
		Maximum	Minimum
UGSKIT2*	1	2	8
UGSKIT250*	2	250	1

\*UL486D Listed for Direct Burial

TYPE UGSKIT

WATERTIGHT/  
UNDERGROUND SPLICE KITS

For all Aluminum or  
Copper/Aluminum  
Combinations

## 4 WATERTIGHT/UNDERGROUND SPLICE KIT

SCALE: N.T.S.

BURNDY TYPE UGSKIT

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04.11.24



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SHEET TITLE

TOWER  
GROUNDING DETAILS

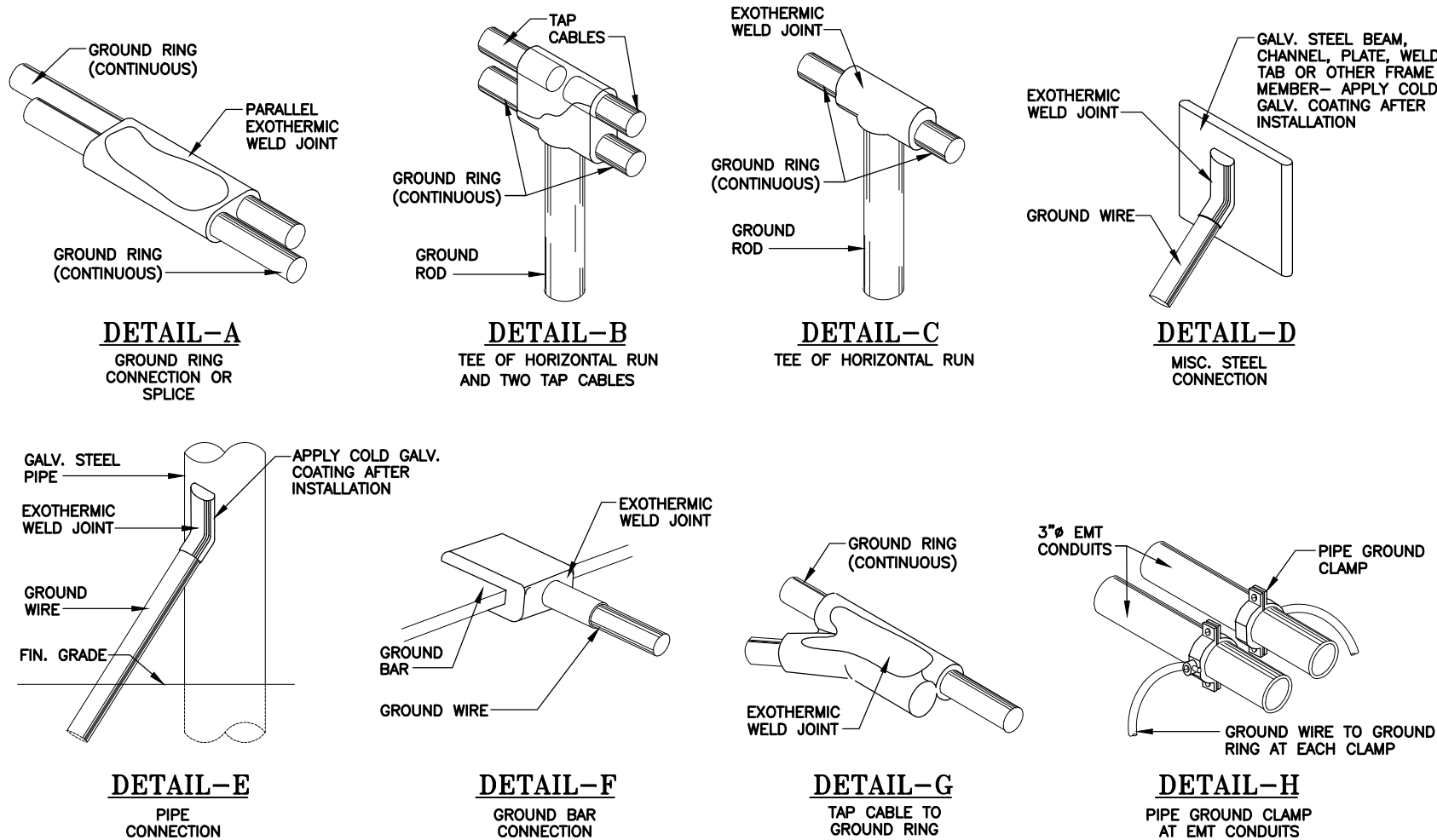
SHEET HISTORY

11.01.23 PCD

04.11.24 FCD

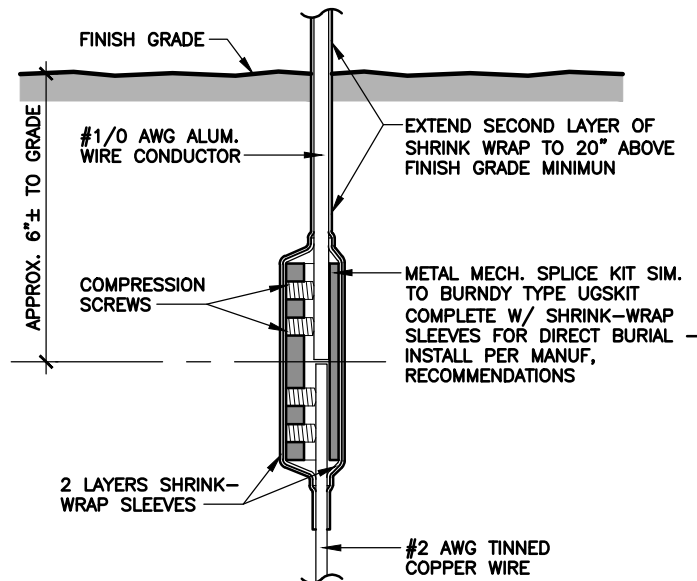
G3

Y:\Projects\VERIZON\TEXAS\E\_Jones\_St-764628\Project Assigned Number\CAND\PROD DWGS\E Jones St-18-G4 CONNECTION.dwg, 4/10/2024 4:38:43 PM, JPgarcia



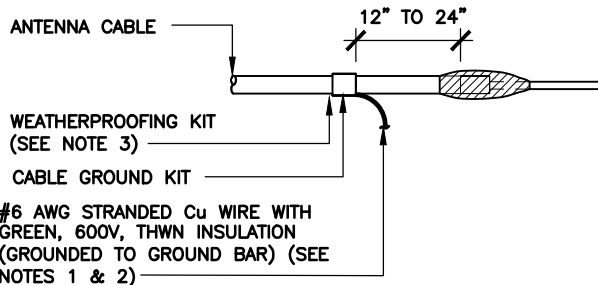
## 1 WELD CONNECTION DETAILS

SCALE: NONE



## 4 WATERTIGHT/UNDERGROUND SPLICE DETAIL

SCALE: N.T.S.



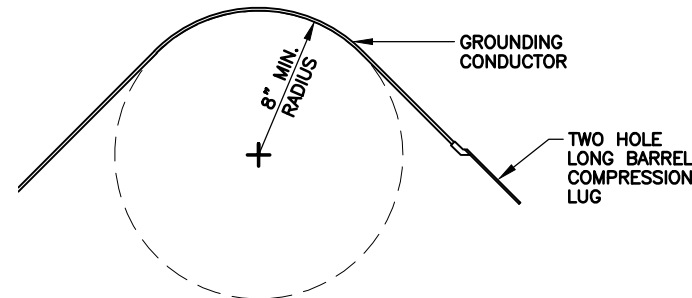
### NOTES:

- DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
- GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
- WEATHER PROOFING SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.

## 5 CABLE GROUND KIT

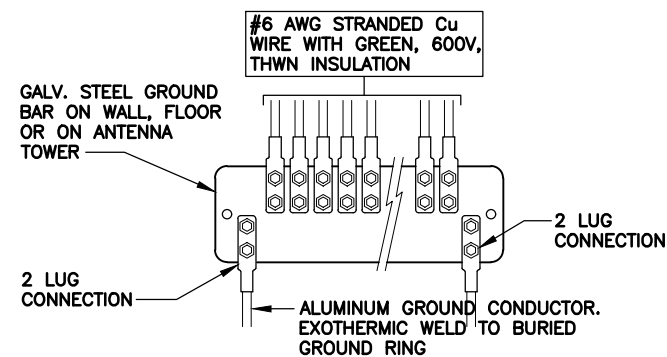
SCALE: N.T.S.

- CLEAN SURFACES TO BE WELDED OF ALL PAINT, DIRT, MOISTURE, CORROSION AND OTHER FOREIGN MATTER.
- MAKE APPROPRIATE WELDED CONNECTION (REFER TO DETAILS).-USE MANUFACTURER'S WRITTEN RECOMMENDATIONS.
- IF WELDED MATERIALS HAVE A GALVANIZED FINISH. APPLY A PROTECTIVE COLD GALVANIZE COATING.



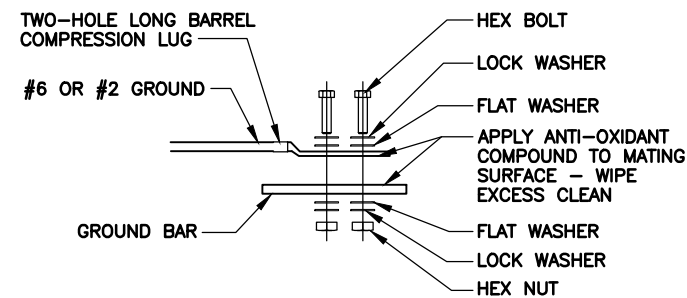
## 2 MINIMUM GROUNDING CONDUCTOR RADIUS

SCALE: N.T.S.



## 3 COAX CABLE GROUND BAR

SCALE: N.T.S.



### INSTALLATION NOTES:

ALL BOLTS, WASHERS AND NUTS SHALL BE STAINLESS STEEL.

SELECT BOLT LENGTH TO PROVIDE A MINIMUM TO TWO EXPOSED THREADS.

BURNISH MOUNTING SURFACE TO REMOVE ALL FOREIGN RESIDUE IN THE AREA OF LUG CONTACT.

APPLY ANTI-OXIDANT COMPOUND TO MATING SURFACES OF LUG AND WIPE CLEAN EXCESS COMPOUND.

USE 1/4" HARDWARE FOR ATTACHMENT TO METAL ENCLOSURES & 3/8" FOR ATTACHMENT TO GROUND BARS.

## 6 GROUND CONNECTION DETAIL

SCALE: N.T.S.

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SHEET TITLE  
**CONNECTION  
DETAILS**

SHEET HISTORY

11.01.23 PCD

04.11.24 FCD

G4



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SHEET TITLE

SITE PLAN

SHEET HISTORY

01.09.24 PCD

04.11.24 FCD

10.18.24 REV. SET 3 - COMMENTS

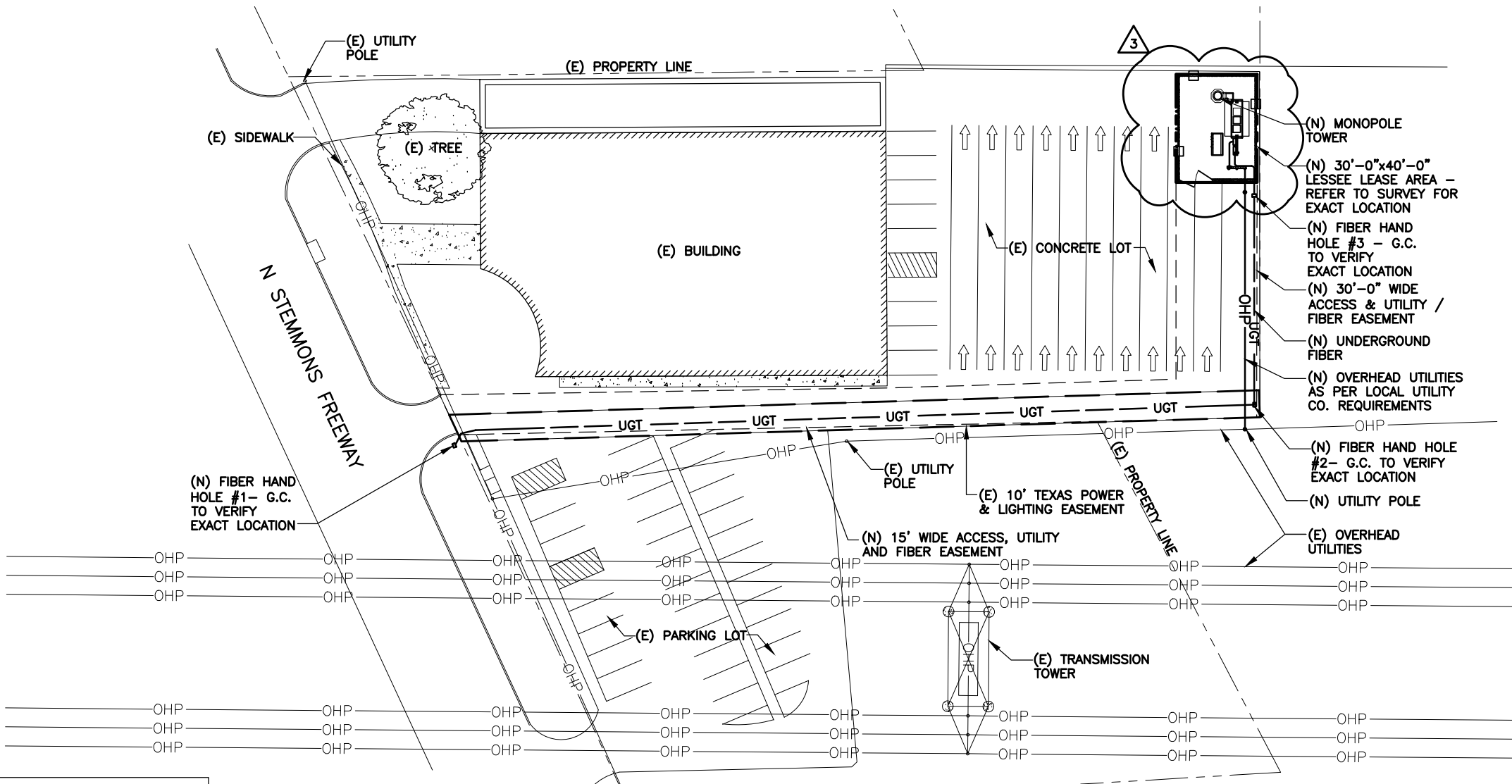
E1

1. HAND DIG IN AREAS SUSPECTED TO CONTAIN EXISTING GROUNDING CONDUCTORS, GROUND RODS, CHEMICAL GROUND RODS, POWER/TELCO CABLE OR OTHER BURIED SITE UTILITIES/ELEMENTS.
2. REPAIR/REPLACE AT NO ADDITIONAL EXPENSE TO THIS CONTRACT ANY CONSTRUCTION RELATED DAMAGE TO SITE ELEMENTS AND/OR FINISHES. MINIMUM ACCEPTABLE STANDARD SHALL BE TO MATCH PRECONSTRUCTION CONDITIONS OR AS REQUIRED BY PROJECT MANAGER.
3. FIELD VERIFY ALL EXISTING CONDITIONS.
4. SHOULD UNDERGROUND PULL BOXES BE REQUIRED, PROVIDE THEM AS REQUIRED EVEN THOUGH NOT SHOWN ON PLANS.
5. ALL CONDUIT SHALL BE ROUTED INSIDE OF RESPECTIVE EASEMENT AND WITHIN FENCE AREA WHERE APPLICABLE. FIELD VERIFY EXISTING CONDITIONS AND COORDINATE ROUTING WITHOUT INTERFERING WITH EXISTING OBJECTS, EQUIPMENT OR UTILITIES.

## 2 SITE NOTES

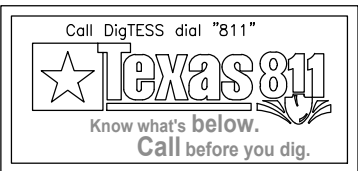
1. PROPOSED ROUTING OF POWER AND TELCO FROM SOURCE TO LEASE AREA ARE SHOWN IN GENERAL TERMS IN THESE DRAWINGS/PLANS. EXACT ROUTING SHALL BE VERIFIED WITH THE PROPERTY OWNER AND LOCAL POWER/TELCO COMPANY. OVERHEAD OR UNDERGROUND ROUTING SHALL ALSO BE VERIFIED WITH PROPERTY OWNER AND POWER/TELCO COMPANY. LACK OF DIRECTION FROM THE PROPERTY OWNER AND LOCAL POWER/TELCO COMPANY, POWER/TELCO SHALL BE ROUTED OVERHEAD.

## 3 SERVICE NOTES



## 1 SITE PLAN

SCALE: 1"=50'-0"



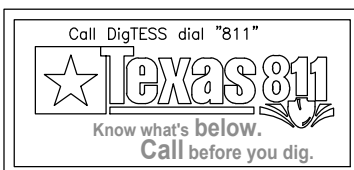
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2

- (N) = NEW LESSEE  
(E) = EXISTING  
(F) = FUTURE

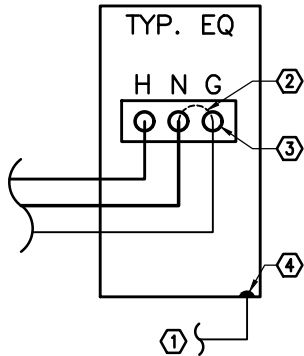


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1. ALL ELECTRICAL WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST NATIONAL ELECTRICAL AND BUILDING CODES AND ALL OTHER CODES HAVING JURISDICTION. ALL CONDUITS SHALL INCLUDE PULL WIRES.
2. ALL COPPER CONDUCTORS SHALL BE TYPE THWN, MINIMUM SIZE #12 AWG. EXCEPT CONTROL WIRING. ALL ALUMINUM CONDUCTORS SHALL BE AA-8000 SERIES TYPE.
3. ELECTRICAL CONTRACTOR SHALL CONNECT GROUNDS FROM ELECTRICAL EQUIPMENT ENCLOSURES TO EXTERNAL GROUND LOOP. CIRCUIT GROUNDS SHALL BE ISOLATED FROM EQUIPMENT GROUND AND SHALL BE ROUTED ISOLATED THROUGH TO THE GUTTER.
4. ELECTRICAL CONTRACTOR SHALL PAY FOR AND COORDINATE ELECTRICAL SERVICE UPGRADES WITH LOCAL UTILITY COMPANY.
5. ELECTRICAL CONTRACTOR SHALL FILL TRENCH EXCAVATIONS AS NOTED IN TRENCHING NOTES OF THESE DOCUMENTS.
6. STUB UP LOCATIONS FOR ELECTRICAL AND TELEPHONE SHALL BE COORDINATED WITH LESSEE.
7. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL TEMPORARY POWER ON JOB SITE INCLUDING ENTRY CONDUCTORS, METER AND DISCONNECTS AS REQUIRED. IF POWER COMPANY TEMPORARY SERVICE IS NOT AVAILABLE, CONTRACTOR SHALL PROVIDE A 10KW MINIMUM SIZE GENERATOR TO SUPPLY DEMAND.
8. COORDINATE EXACT ROUTE OF UNDERGROUND CONDUITS WITH LOCAL UTILITY COMPANY PRIOR TO INSTALLATION.
9. PROVIDE LONG SLEEVE ELBOWS.
10. TELCO CABINET, PANEL, SPD, & EQUIPMENT, ARE TYPICALLY PROVIDED BY OTHERS AND ARE SHOWN FOR REFERENCE ONLY.
11. SPOT ALL UNDERGROUND UTILITIES AND SPECIALTY ITEMS SUCH AS GROUND RODS AND GROUND RINGS PRIOR TO DIGGING. ITEMS ARE NOT LIMITED TO THE ABOVE. DAMAGED ITEMS SHALL BE REPAIRED AT NO ADDITIONAL COST TO OWNER. BACKFILL AND PATCH TO MATCH EXISTING CONDITIONS. REFER TO "TRENCHING" IN THIS PROJECT'S DOCUMENTS.
12. ELECTRICAL CONTRACTOR SHALL COORDINATE ELECTRICAL EQUIPMENT BONDING WITH EXTERNAL GROUND RING WITH CONTRACTOR PERFORMING THE WORK ON THE GROUNDING PLANS.

1

GENERAL NOTES



KEYED NOTES:

- 1 BOND ENCLOSURE TO GROUND RING PER NATIONAL ELECTRICAL CODE. REFER TO GROUNDING PLANS.
- 2 BONDING JUMPER TO ENCLOSURE SHALL NOT BE PROVIDED, UNLESS ENCLOSURE IS THE MAIN SERVICE DISCONNECT.
- 3 ELECTRICAL SYSTEM GROUND SHALL BE ISOLATED AND NOT BE BONDED TO ENCLOSURE.
- 4 EQUIPMENT/ENCLOSURE BOND.

NOTE: THIS DETAIL PERTAINS TO ALL METALLIC EQUIPMENT AND IS SYMBOLIC OF ACTUAL INSTALLATION AND TO BE USED FOR GENERAL GROUNDING REFERENCE ONLY.

2

EQUIPMENT GROUNDING DETAIL

SCALE: NOT TO SCALE

LIGHTING FIXTURE SCHEDULE						
TYPE	MFGR.	CATALOG NO.	DESCRIPTION	MOUNTING	LAMPS	VOLTS
A	HUBBELL	MODEL# LMC-30LU-5K-4-1-PC(120) (SEE BELOW)	FULL CUTOFF DARK SKY FRIENDLY	POLE	LED	120

NOTE: TYPE "A" FIXTURE TO BE MOUNTED W/ SPAULDING SLIP FITTER AASF AND TENON REDUCER Z85-B-4-GR. PROVIDE ALL MOUNTING HARDWARE

3

LIGHTING FIXTURE SCHEDULE

SCALE: NONE

PANEL:	VZW ILC	MODEL NUMBER	ASCO D300L SERIES						
VOLTAGE:	120/240V	PHASE/WIRE	1	3					
MAIN BREAKER:	200A	BUS RATING:	200A	KEY DOOR LATCH:	YES				
MOUNT:	SURFACE	NEUTRAL BAR:	YES	HINGED DOOR:	YES				
ENCLOSURE TYPE:	NEMA 3R	AIC RATING	25K						
			VA		VA				
Ckt #	Description	Bkr/P	L1		L2		Bkr/P	Description	Ckt #
1	RECTIFIER	30/2	2,160	2,160			30/2	RECTIFIER	2
3	"	"			2,160	2,160	"	"	4
5	RECTIFIER	30/2	2,160	2,160			30/2	RECTIFIER	6
7	"	"			2,160	2,160	"	"	8
9	RECTIFIER	30/2	2,160	2,160			30/2	FUTURE RECTIFIER	10
11	"	"			2,160	2,160	"	"	12
13	FUTURE RECTIFIER	30/2	2,160	2,160			30/2	FUTURE RECTIFIER	14
15	"	"			2,160	2,160	"	"	16
17	GFCI RECEPT/LIGHT	20/1	36	70			20/1	SPARE	18
19	BLOCK HEATER	20/1	72		-	-	20/1	SPARE	20
21	BATT CHARGER	20/1	72	-			20/1	SPARE	22
23	SPARE	20/1			-	-	20/1	SPARE	24
	Total Volt-Amps		8,820	8,710	8,640	8,640			
	Total Volt-Amps Per Phase		17,530		17,280				
	Total Per Phase		17,530		17,280				
	Plus 25% Per NEC		4,383		4,320				
	Total VA Capacity		21,913		21,600				
	Total Ampacity		182.61		180.00				

ELECTRICAL PANEL NOTES:

1. ALL CONDUCTORS ARE TYPE THWN (75°C) COPPER.
2. MAXIMUM LENGTH OF RUN FOR RECTIFIER CIRCUITS IS 50 FT.
3. ASCO INTEGRATED LOAD CENTER INCLUDES 200 AMP MAIN DISCONNECT AND AUTOMATIC TRANSFER SWITCH FOR STAND-BY GENERATOR.
4. RECTIFIER LOADS ARE CONSIDERED TO BE NON-CONTINUOUS.

4

"ILC" SCHEDULE

SCALE: NOT TO SCALE

LOAD ANALYSIS - VZW ILC							
120/240V 1-PH 3-W							
			Total	NEC	Total	Amperes/Phase	
	Qty	VA/Unit	VA	Demand	Demand	A	B
RECITIFIER	8	4,320	34,560	125%	43,200	180.00	180.00
LIGHT/RECEPTACLE	1	106	106	125%	133	0.55	0.55
BATTERY CHARGER	1	72	72	125%	90	0.38	0.38
BLOCK HEATER	1	72	72	125%	90	0.38	0.38
Total Load			34,810		43,513	181.30	181.30
PROPOSE ONE (1) 200A 2P FEEDER AND PANEL TO SUPPLY POWER TO THE NEW EQUIPMENT							

verizon

E JONES ST

\*\*\*

1554 N I-35 E

LEWISVILLE, DENTON COUNTY, TEXAS 75057

(5000915429)

04.11.24



ARCHCOMM, LLC.

1006 Beckett

San Antonio, Texas 78213

(210) 308-9905

TBPE NO. F-15659

SHEET TITLE

DETAILS & NOTES

SHEET HISTORY

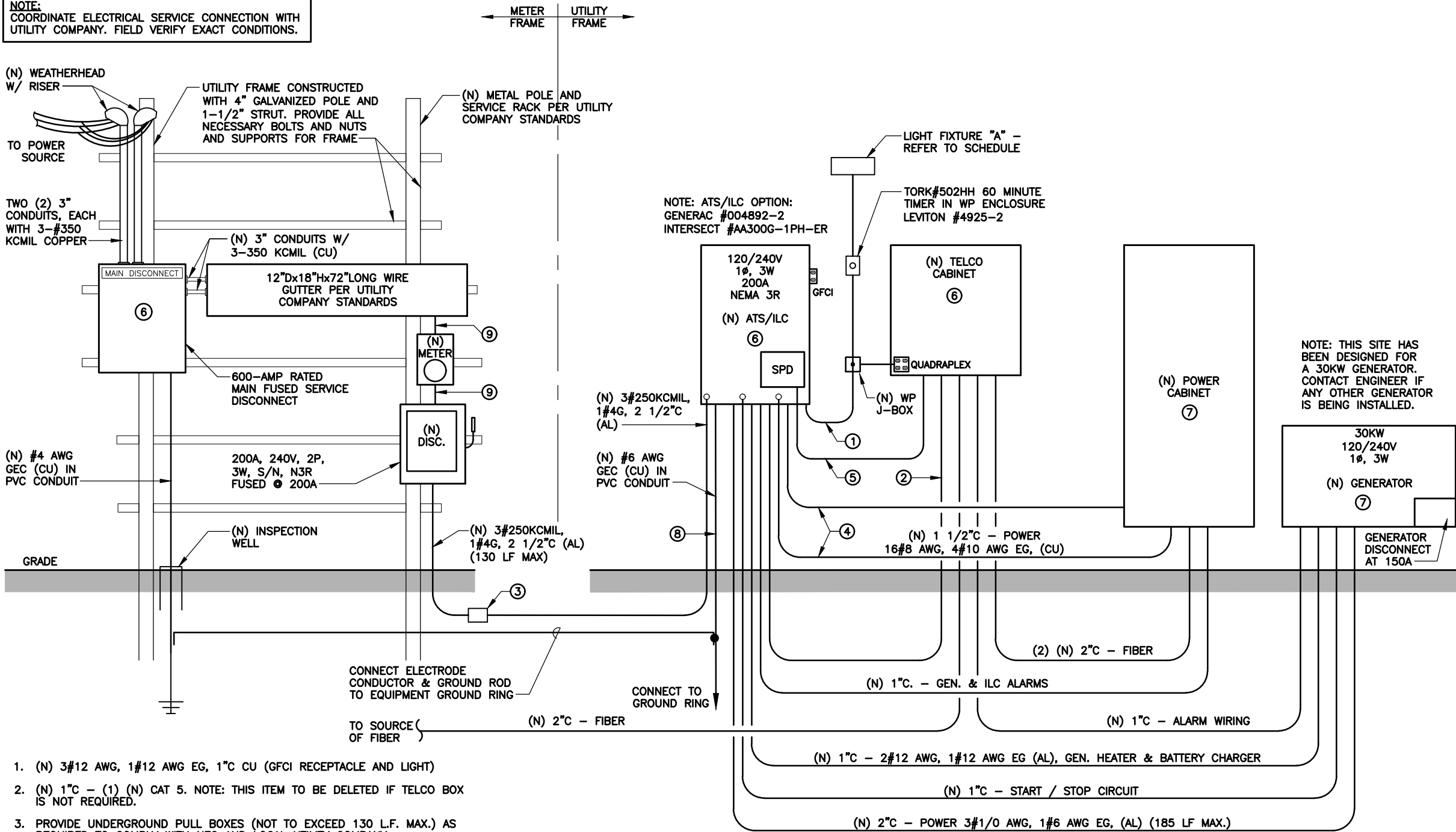
01.09.24 PCD

04.11.24 FCD

E3

H:\VERIZON\TEXAS\E\_Jones\_St-764628\Project Assigned Number\CAND\_PROD DWGS\E Jones St-20-E1E2E3E4E5-ELECT.dwg, 10/24/2024 10:20:39 AM, Juan

NOTE:  
COORDINATE ELECTRICAL SERVICE CONNECTION WITH  
UTILITY COMPANY. FIELD VERIFY EXACT CONDITIONS.



- (N) 3#12 AWG, 1#12 AWG EG, 1"C CU (GFCI RECEPTACLE AND LIGHT)
- (N) 1"C - (1) (N) CAT 5. NOTE: THIS ITEM TO BE DELETED IF TELCO BOX IS NOT REQUIRED.
- PROVIDE UNDERGROUND PULL BOXES (NOT TO EXCEED 130 L.F. MAX.) AS REQUIRED TO COMPLY WITH NEC AND LOCAL UTILITY COMPANY.
- INSTALL (1) SPARE 1 1/2" C WITH PULL STRING FOR FUTURE RECTIFIER CIRCUITS. INSTALL (1) 1 1/2" C WITH 16#10 CU & 4#10 CU (GNDs) FOR (8) RECTIFIERS. ROUTE CONDUITS ABOVE GRADE SECURED TO EQUIPMENT FRAME.
- (N) 1 1/2" C - ALARM. THIS ITEM TO BE DELETED IF TELCO BOX IS NOT REQUIRED.
- PROVIDE (1) GROUNDING CONDUCTOR BONDED AT EQUIPMENT METALLIC CABINETS/ENCLOSURES AND ROUTED TO GROUND RING. REFER TO GROUNDING PLAN. TYPICAL OF ALL METALLIC CABINETS/ENCLOSURES.
- PROVIDE (2) GROUNDING CONDUCTORS BONDED AT EQUIPMENT FRAME AND ROUTED TO GROUND RING. REFER TO GROUNDING PLAN.
- PROVIDE (1) COPPER DEDICATED GROUND AS PER NEC & LOCAL ORDINANCE. ROUTE THRU PVC CONDUIT TO PREVENT THEFT OF COPPER.
- (N) HUB AND WIRES BY UTILITY COMPANY STANDARDS BY CONTRACTOR. 3-#250 KCMIL AL IN 2 1/2" CONDUIT.

## 1 ELECTRICAL RISER

SCALE: NOT TO SCALE

(AL) ALUMINUM CONDUCTORS  
(CU) COPPER CONDUCTORS

## 2 ELECTRICAL RISER NOTES

## 3 CONDUCTOR LEGEND

verizon

E JONES ST  
\*\*\*

1554 N I-35 E  
LEWISVILLE, DENTON COUNTY, TEXAS 75057  
(5000915429)



ARCHCOMM, LLC.  
1006 Beckett  
San Antonio, Texas 78213  
(210) 308-9905  
TBPE NO. F-15659

SHEET TITLE  
ELECTRICAL  
RISER

SHEET HISTORY  
11.01.23 PCD  
04.11.24 FCD

E4





GUARDIAN SECTOR FRAME

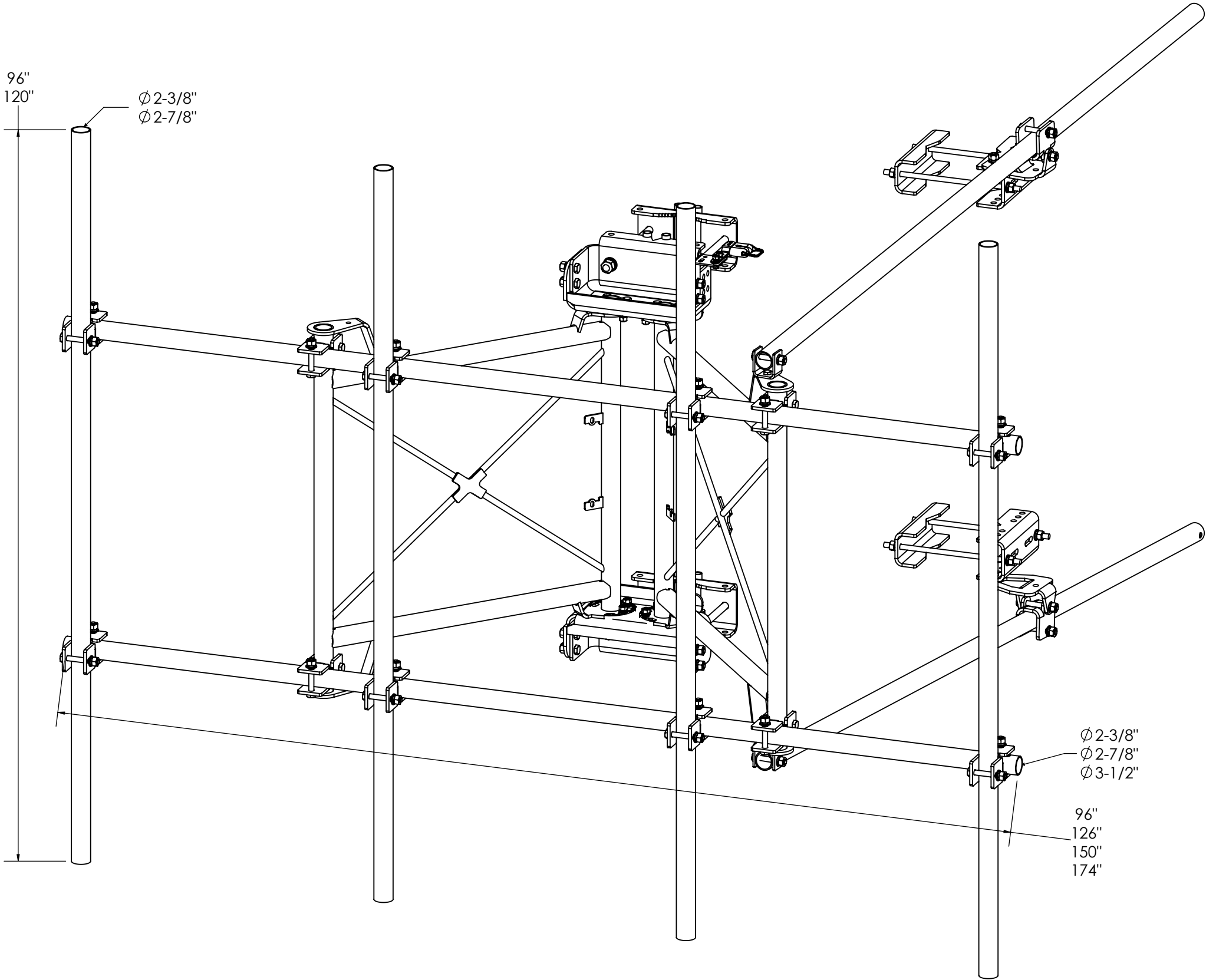


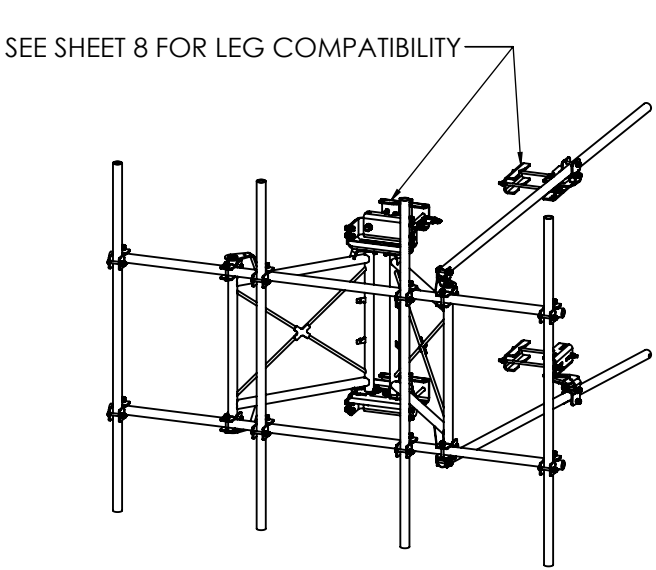


TABLE OF CONTENTS

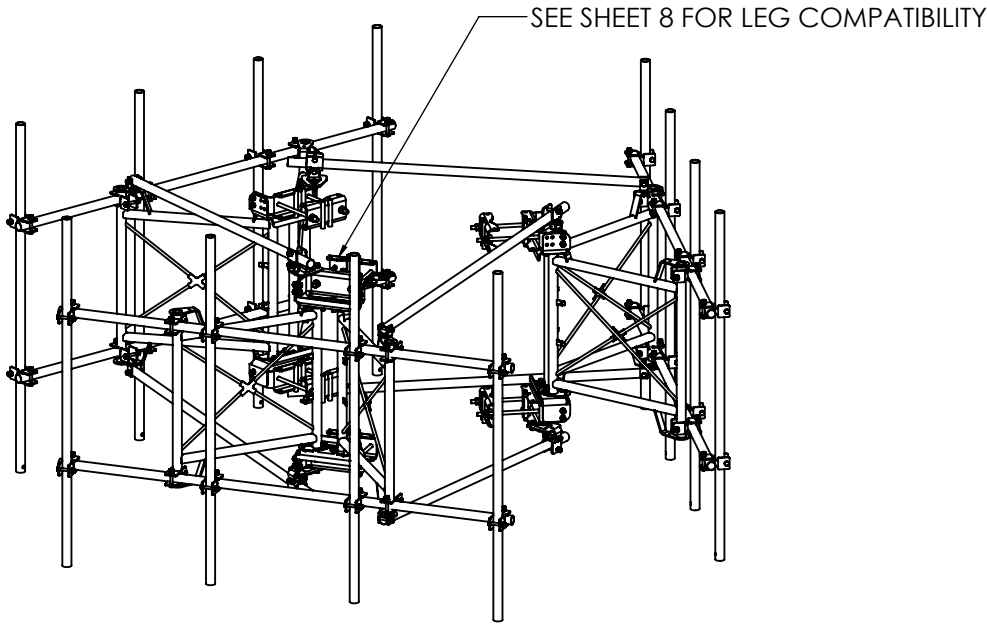
TITLE PAGE	SHEET 1
ASSEMBLY OVERVIEW	SHEET 2
DIMENSIONAL OVERVIEW	SHEET 3
ANTENNA PIPE DETAILS	SHEET 4
5053 CLASSIFICATIONS	SHEET 5
5053 CLASSIFICATION CHARTS	SHEET 6-7
STIFF ARM ATTACHMENT	SHEET 8
HSK	SHEET 9
AZIMUTH ADJUSTMENT	SHEET 10
LEG & POLE COMPATIBILITY	SHEET 11
TAPER ADJUSTMENT	SHEET 12
OPTIONAL EQUIPMENT MOUNTING	SHEET 12
SAFETY CLIMB ROUTING	SHEET 13
GROUNDING	SHEET 13
PV-LPP-GS-ACC3 TOGGLE BOLT ANCHOR	SHEET 14
PV-XP-DC DUAL CROSS	SHEET 15-16
THREE SECTOR STANDARD LEG - CONFIGURATIONS	SHEET 17
THREE SECTOR STANDARD LEG - WEIGHT & EPA	SHEET 18
THREE SECTOR LARGE LEG - CONFIGURATIONS	SHEET 19
THREE SECTOR LARGE LEG - WEIGHT & EPA	SHEET 20
MONOPOLE - CONFIGURATIONS	SHEET 21
MONOPOLE - WEIGHT & EPA	SHEET 22
LARGE MONOPOLE - CONFIGURATIONS	SHEET 23
LARGE MONOPOLE - WEIGHT & EPA	SHEET 24
SINGLE SECTOR STANDARD LEG - CONFIGURATIONS	SHEET 25
SINGLE SECTOR STANDARD LEG - WEIGHT & EPA	SHEET 26
SINGLE SECTOR LARGE LEG - CONFIGURATIONS	SHEET 27
SINGLE SECTOR LARGE LEG - WEIGHT & EPA	SHEET 28

SHEET  1 OF 28	<div>THIRD ANGLE PROJECTION</div> 	CATEGORY	01_Lattice Tower	4					
		SERIES	01_V-Frames	3					
9/26/2023	SCALE 1:14	TYPE	PV-SFR-GS_Guardian	2	8' FACE, 2/3 AP CONFIGS. 5053 CHARTS.	9/20/23			
DIMENSIONS ARE IN INCHES TOLERANCES U.N.O. HOLES: +1/16", -1/32" ANGULAR: PROFILE ±1/4°, BEND ±2° ALL OTHERS: ±1/16"		BY	DJN	1	GROUND BAR	11/10/22	GUARDIAN SECTOR FRAME		
		CHECKED	SJS	0	INITIAL RELEASE	2/15/21	DOCUMENT NUMBER		
		STATUS	APPROVED	REV	DESCRIPTION		DATE	SFR-ENG-01-R2	
								REV 2	

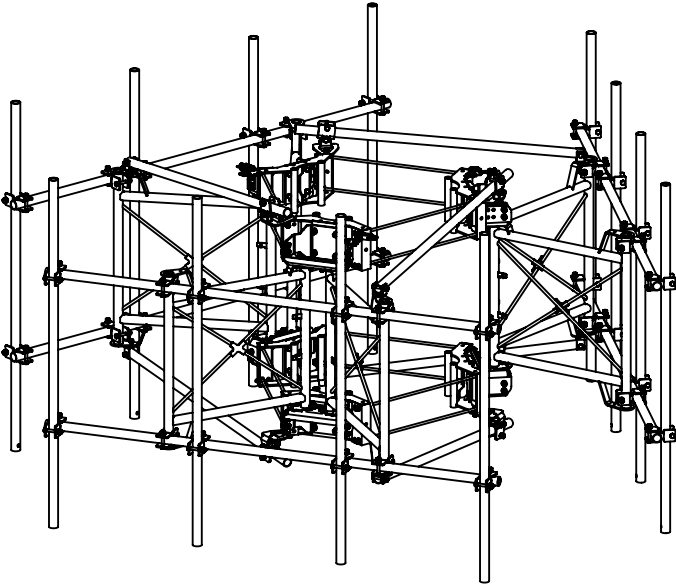




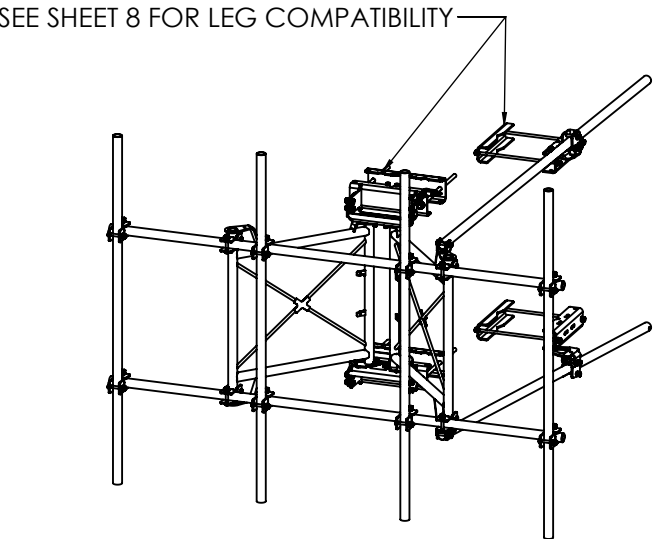
SINGLE SECTOR - STANDARD LEG BRACKET  
SEE SHEET 21 FOR AVAILABLE CONFIGURATIONS  
(PV-SFR-GS10-20-AP1 SHOWN)



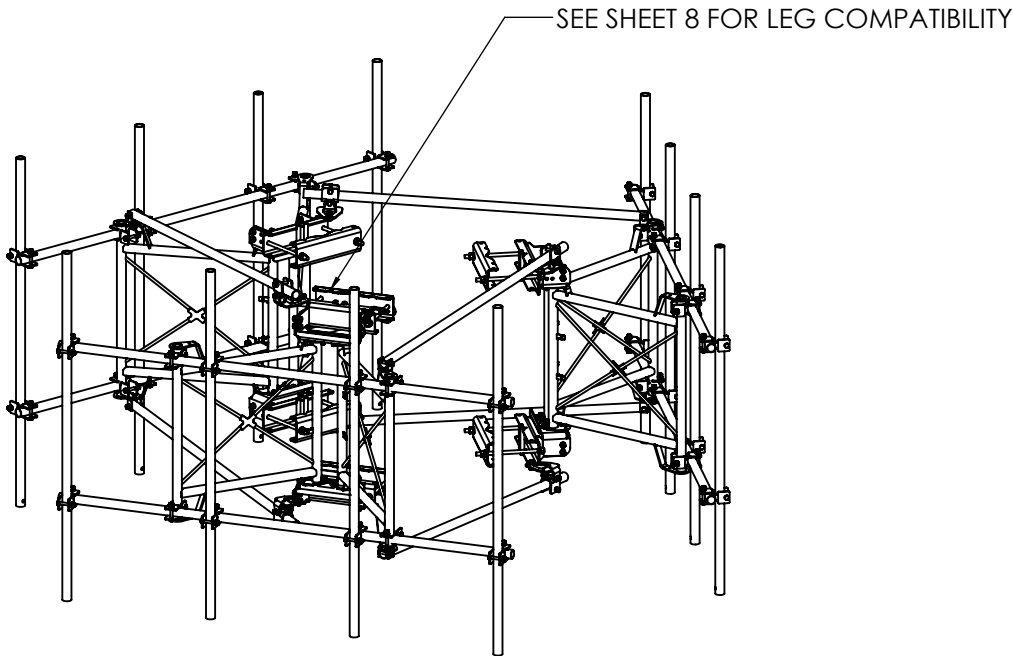
THREE SECTOR - STANDARD LEG BRACKET  
SEE SHEET 13 FOR AVAILABLE CONFIGURATIONS  
(PV-SFR-GS3X10-20-AP1 SHOWN)



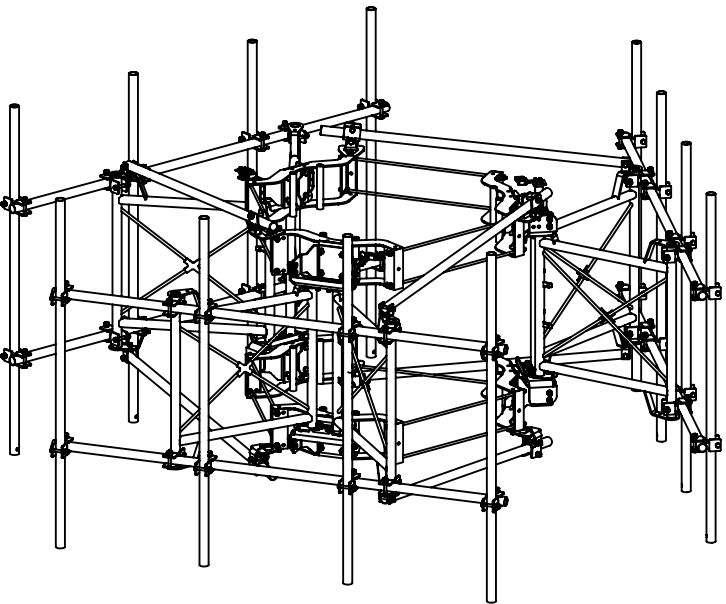
THREE SECTOR - MONOPOLE  
SEE SHEET 17 FOR AVAILABLE CONFIGURATIONS  
(PV-SFRGS-MP10M-20-AP1 SHOWN)



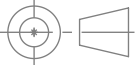

SINGLE SECTOR - LARGE LEG BRACKET  
SEE SHEET 23 FOR AVAILABLE CONFIGURATIONS  
(PV-SFR-GSL10-20-AP1 SHOWN)



THREE SECTOR - LARGE LEG BRACKET  
SEE SHEET 15 FOR AVAILABLE CONFIGURATIONS  
(PV-SFR-GSL3X10-20-AP1 SHOWN)

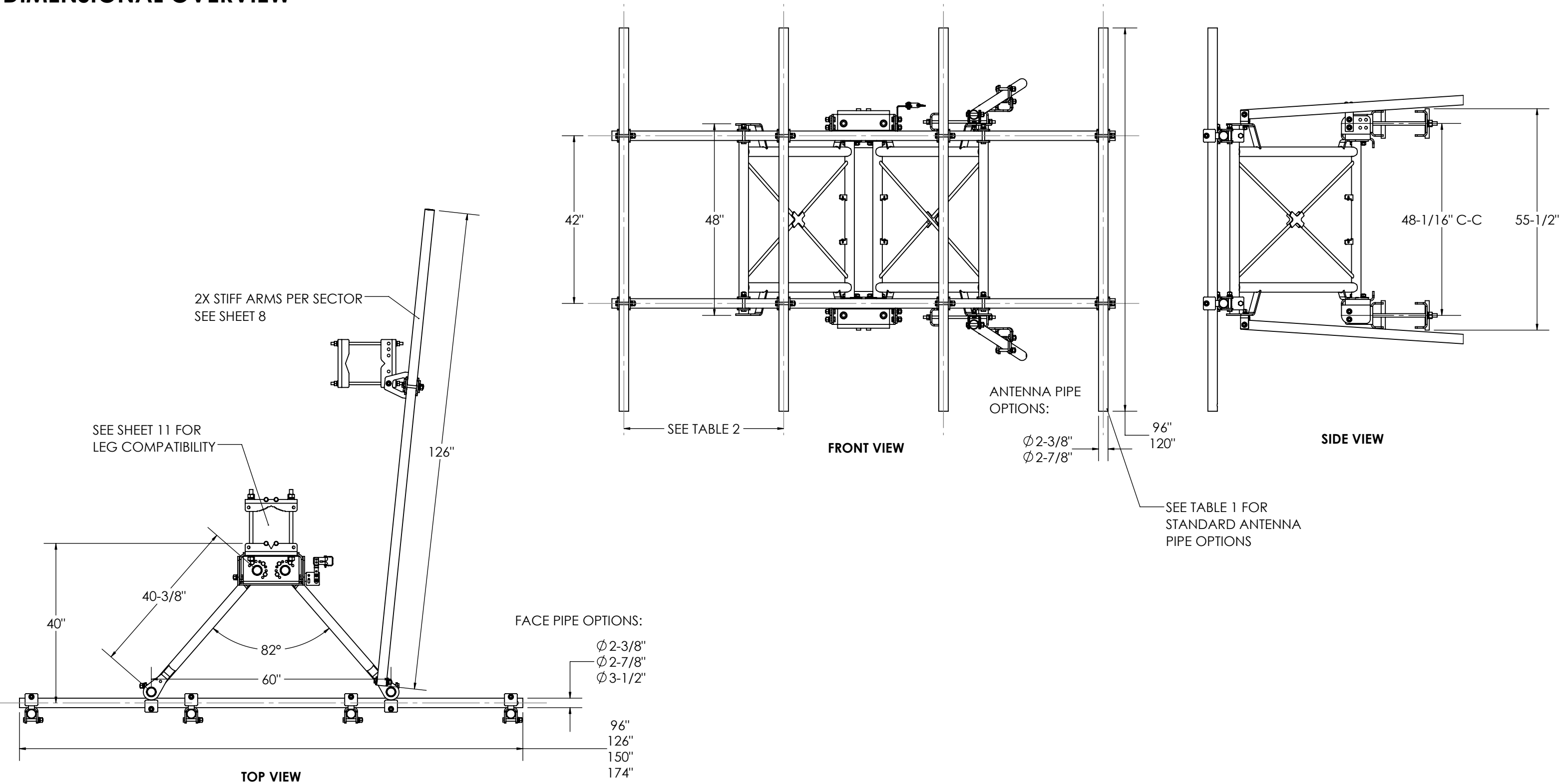


THREE SECTOR - LARGE MONOPOLE  
SEE SHEET 19 FOR AVAILABLE CONFIGURATIONS  
(PV-SFRGS-MP10L-20-AP1 SHOWN)

SHEET 2 OF 28	THIRD ANGLE PROJECTION 	CATEGORY 01_Lattice Tower	4			
		SERIES 01_V-Frames	3			
9/26/2023	SCALE 1:50	TYPE PV-SFR-GS_Guardian	2	8' FACE. 2/3 AP CONFIGS. 5053 CHARTS.	9/20/23	GUARDIAN SECTOR FRAME DOCUMENT NUMBER SFR-ENG-01-R2
DIMENSIONS ARE IN INCHES TOLERANCES U.N.O. HOLES: +1/16", -1/32" ANGULAR: PROFILE ±1/4°, BEND ±2° ALL OTHERS: ±1/16"		BY DJN	1	GROUND BAR	11/10/22	
		CHECKED SJS	0	INITIAL RELEASE	2/15/21	
		STATUS APPROVED	REV	DESCRIPTION	DATE	REV 2



DIMENSIONAL OVERVIEW



- NOTE:**
- SINGLE SECTOR CONFIGURATIONS (PV-SFR-GS) INCLUDE LEG ATTACHMENT FOR TIE-BACK.
  - MULT-SECTOR CONFIGURATIONS (PV-SFR-GS3, PV-SFRGS-MP) DO NOT

SHEET	THIRD ANGLE PROJECTION	CATEGORY	4			
3 OF 28		SERIES	3			
9/26/2023	SCALE 1:24	TYPE	2	8' FACE. 2/3 AP CONFIGS. 5053 CHARTS.	9/20/23	
DIMENSIONS ARE IN INCHES TOLERANCES U.N.O. HOLES: +1/16", -1/32" ANGULAR: PROFILE ±1/4°, BEND ±2° ALL OTHERS: ±1/16"		BY	1	GROUND BAR	11/10/22	
		CHECKED	0	INITIAL RELEASE	2/15/21	DOCUMENT NUMBER
		STATUS	REV	DESCRIPTION	DATE	SFR-ENG-01-R2
						REV 2

C:\PVM\Steel\Catalog\SW Working Files\Engineering Details\

Table 4: 5053 Classifications				
Part Number Suffix*	Maximum Allowable Offset			
	0" Offset	6" Offset	12" Offset	24" Offset
8-20-AP19	M2000R(3000)-2[0]	M1900R(3000)-2[6]	M1600R(3000)-2[12]	M1150R(3000)-2[24]
8-20-AP20	M1700R(3000)-2[0]	M1400R(3000)-2[6]	M1300R(3000)-2[12]	M900R(3000)-2[24]
8-20-AP21	M2500R(3000)-2[0]	M2200R(3000)-2[6]	M1800R(3000)-2[12]	M1400R(3000)-2[24]
8-20-AP22	M2000R(3000)-2[0]	M1900R(3000)-2[6]	M1600R(3000)-2[12]	M1200R(3000)-2[24]
8-20-AP7	M1900R(3000)-3[0]	M1800R(3000)-3[6]	M1550R(3000)-3[12]	M1150R(3000)-3[24]
8-20-AP8	M1550R(3000)-3[0]	M1400R(3000)-3[6]	M1300R(3000)-3[12]	M900R(3000)-3[24]
8-20-AP9	M2400R(3000)-3[0]	M2200R(3000)-3[6]	M1800R(3000)-3[12]	M1400R(3000)-3[24]
8-20-AP10	M1900R(3000)-3[0]	M1700R(3000)-3[6]	M1500R(3000)-3[12]	M1150R(3000)-3[24]
8-25-AP19	M2800R(3000)-2[0]	M2200R(3000)-2[6]	M1700R(3000)-2[12]	M1100R(3000)-2[24]
8-25-AP20	M1900R(3000)-2[0]	M1400R(3000)-2[6]	M1300R(3000)-2[12]	M900R(3000)-2[24]
8-25-AP21	M3000R(3000)-2[0]	M3000R(3000)-2[6]	M3000R(3000)-2[12]	M2300R(3000)-2[24]
8-25-AP22	M3000R(3000)-2[0]	M2800R(3000)-2[6]	M2600R(3000)-2[12]	M2000R(3000)-2[24]
8-25-AP7	M2800R(3000)-3[0]	M2150R(3000)-3[6]	M1700R(3000)-3[12]	M1150R(3000)-3[24]
8-25-AP8	M1900R(3000)-3[0]	M1400R(3000)-3[6]	M1300R(3000)-3[12]	M900R(3000)-3[24]
8-25-AP9	M3000R(3000)-3[0]	M3000R(3000)-3[6]	M2500R(3000)-3[12]	M1600R(3000)-3[24]
8-25-AP10	M3000R(3000)-3[0]	M2800R(3000)-3[6]	M2400R(3000)-3[12]	M1500R(3000)-3[24]
10-20-AP7	M1400R(2500)-3[0]	M1300R(2500)-3[6]	M1050R(2500)-3[12]	M800R(2400)-3[24]
10-20-AP8	M1200R(2400)-3[0]	M1050R(2400)-3[6]	M900R(2400)-3[12]	M700R(2100)-3[24]
10-20-AP9	M1450R(2600)-3[0]	M1300R(2600)-3[6]	M1100R(2600)-3[12]	M900R(2600)-3[24]
10-20-AP10	M1350R(2500)-3[0]	M1200R(2500)-3[6]	M1000R(2500)-3[12]	M750R(2500)-3[24]
10-20-AP1	M1400R(2350)-4[0]	M1250R(2400)-4[6]	M1050R(2300)-4[12]	M750R(2200)-4[24]
10-20-AP2	M1150R(2250)-4[0]	M1000R(2250)-4[6]	M850R(2150)-4[12]	M650R(1950)-4[24]
10-20-AP3	M1400R(2500)-4[0]	M1200R(2350)-4[6]	M1100R(2300)-4[12]	M850R(2200)-4[24]
10-20-AP4	M1250R(2400)-4[0]	M1150R(2200)-4[6]	M1000R(2150)-4[12]	M750R(1950)-4[24]
10-25-AP7	M2600R(3000)-3[0]	M2200R(3000)-3[6]	M1700R(3000)-3[12]	M1150R(3000)-3[24]
10-25-AP8	M1900R(3000)-3[0]	M1450R(3000)-3[6]	M1300R(3000)-3[12]	M900R(3000)-3[24]
10-25-AP9	M3000R(3000)-3[0]	M2700R(3000)-3[6]	M2400R(3000)-3[12]	M1700R(3000)-3[24]
10-25-AP10	M2800R(3000)-3[0]	M2300R(3000)-3[6]	M2000R(3000)-3[12]	M1600R(3000)-3[24]
10-25-AP1	M2400R(3000)-4[0]	M2100R(3000)-4[6]	M1650R(3000)-4[12]	M1150R(2800)-4[24]
10-25-AP2	M1350R(3000)-4[0]	M1450R(3000)-4[6]	M1150R(3000)-4[12]	M850R(2750)-4[24]
10-25-AP3	M2800R(3000)-4[0]	M2550R(3000)-4[6]	M2200R(3000)-4[12]	M1700R(2900)-4[24]
10-25-AP4	M2350R(3000)-4[0]	M2100R(3000)-4[6]	M1850R(3000)-4[12]	M1500R(2800)-4[24]
12-20-AP1	M950R(1750)-4[0]	M850R(1800)-4[6]	M800R(1800)-4[12]	M550R(1750)-4[24]
12-20-AP2	M850R(1650)-4[0]	M800R(1650)-4[6]	M650R(1650)-4[12]	M450R(1650)-4[24]
12-20-AP3	M900R(1850)-4[0]	M850R(1850)-4[6]	M750R(1900)-4[12]	M600R(1850)-4[24]
12-20-AP4	M800R(1750)-4[0]	M750R(1750)-4[6]	M650R(1750)-4[12]	M500R(1750)-4[24]
12-25-AP1	M2000R(2800)-4[0]	M1850R(2650)-4[6]	M1550R(2500)-4[12]	M1100R(2200)-4[24]
12-25-AP2	M1150R(2500)-4[0]	M1350R(2500)-4[6]	M1150R(2500)-4[12]	M850R(2000)-4[24]
12-25-AP3	M2000R(3000)-4[0]	M1900R(3000)-4[6]	M1750R(3000)-4[12]	M1300R(2800)-4[24]
12-25-AP4	M1900R(3000)-4[0]	M2050R(3000)-4[6]	M1550R(2850)-4[12]	M1300R(2700)-4[24]
12-30-AP1	M2200R(2800)-4[0]	M1850R(2800)-4[6]	M1550R(2800)-4[12]	M1050R(2600)-4[24]
12-30-AP2	M1050R(2500)-4[0]	M1350R(2500)-4[6]	M1150R(2500)-4[12]	M850R(2500)-4[24]
12-30-AP3	M2400R(2800)-4[0]	M2400R(2800)-4[6]	M2000R(2800)-4[12]	M1600R(2600)-4[24]
12-30-AP4	M2400R(2800)-4[0]	M2200R(2500)-4[6]	M1900R(2500)-4[12]	M1400R(2500)-4[24]
14-25-AP1	M1450R(2000)-4[0]	M1450R(1950)-4[6]	M1250R(1850)-4[12]	M1000R(1700)-4[24]
14-25-AP2	M1200R(1900)-4[0]	M1200R(1900)-4[6]	M1050R(1850)-4[12]	M850R(1650)-4[24]
14-25-AP3	M1450R(2050)-4[0]	M1400R(2000)-4[6]	M1300R(2000)-4[12]	M1000R(2000)-4[24]
14-25-AP4	M1350R(2050)-4[0]	M1300R(2000)-4[6]	M1150R(2000)-4[12]	M850R(1800)-4[24]
14-25-AP13	M1100R(1800)-5[0]	M1100R(1800)-5[6]	M900R(1800)-5[12]	M700R(1800)-5[24]
14-25-AP14	M1000R(1750)-5[0]	M800R(1750)-5[6]	M700R(1750)-5[12]	M550R(1750)-5[24]
14-25-AP15	M1100R(1800)-5[0]	M1100R(1800)-5[6]	M1000R(1800)-5[12]	M800R(1800)-5[24]
14-25-AP16	M1000R(1800)-5[0]	M950R(1800)-5[6]	M850R(1800)-5[12]	M650R(1800)-5[24]
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14-30-AP4	M1700R(2200)-4[0]	M1700R(2200)-4[6]	M1500R(2000)-4[12]	M1200R(1800)-4[24]
14-30-AP13	M1400R(2000)-5[0]	M1400R(2000)-5[6]	M1300R(1800)-5[12]	M1000R(1600)-5[24]
14-30-AP14	M1300R(1800)-5[0]	M1300R(1800)-5[6]	M1150R(1600)-5[12]	M800R(1400)-5[24]
14-30-AP15	M1450R(2200)-5[0]	M1450R(2200)-5[6]	M1300R(2000)-5[12]	M1100R(1800)-5[24]
14-30-AP16	M1350R(2200)-5[0]	M1350R(2200)-5[6]	M1200R(2000)-5[12]	M950R(1800)-5[24]

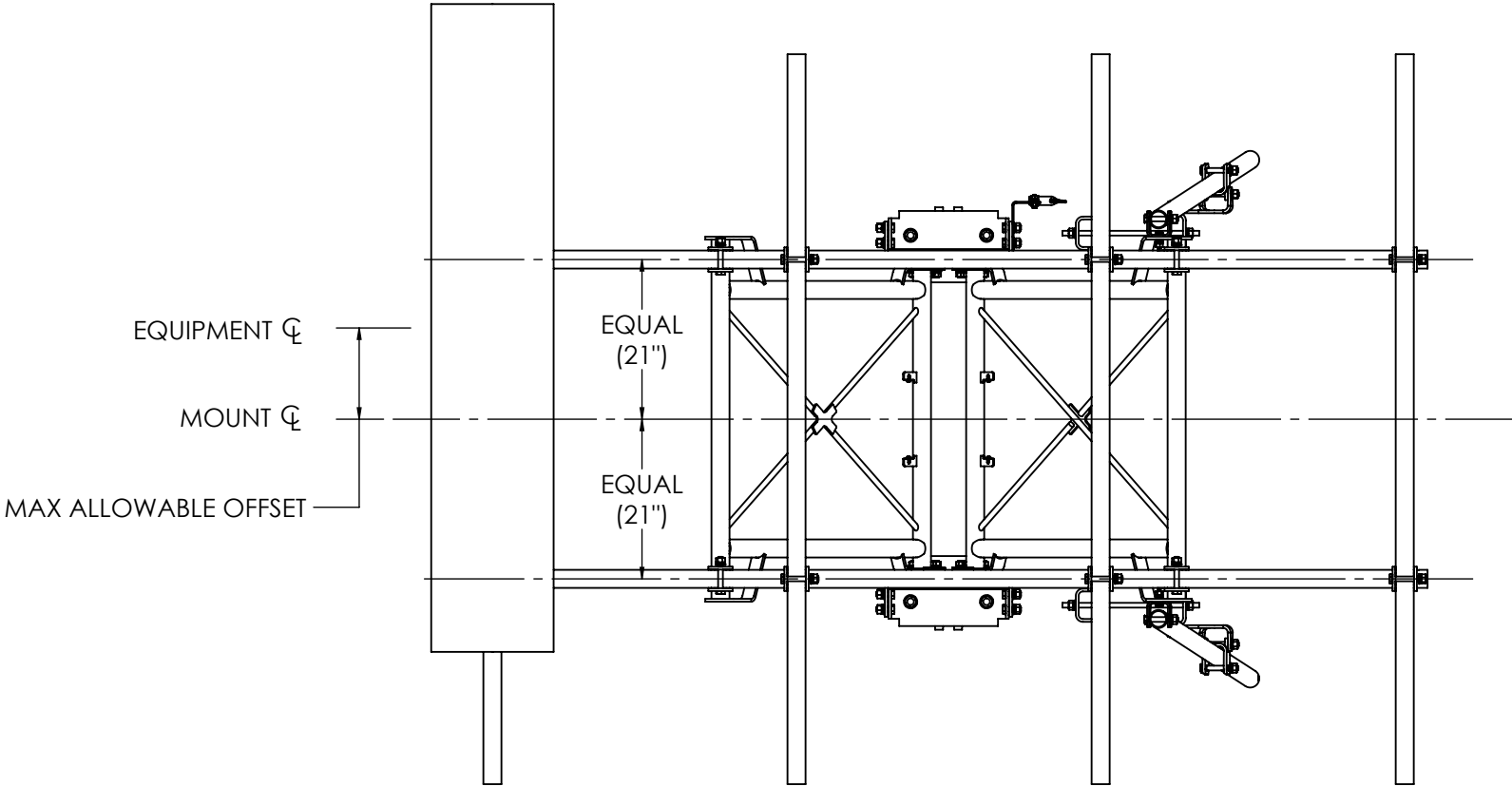
# MOUNT CLASSIFICATIONS

## MOUNT CLASSIFICATION INFORMATION:

- STANDARDS: TIA-222-G, TIA-222-H, TIA-5053-A
- MAX STRUCTURE HEIGHT: 400ft
- STRUCTURE CLASS: I OR II
- EXPOSURE CATEGORY: B OR C
- TOPOGRAPHIC CATEGORY: I
- DESIGN WIND PRESSURE: 135psf
- DESIGN WIND PRESSURE (ICED): 15psf
- DESIGN ICE THICKNESS (RADIAL): 2.8"

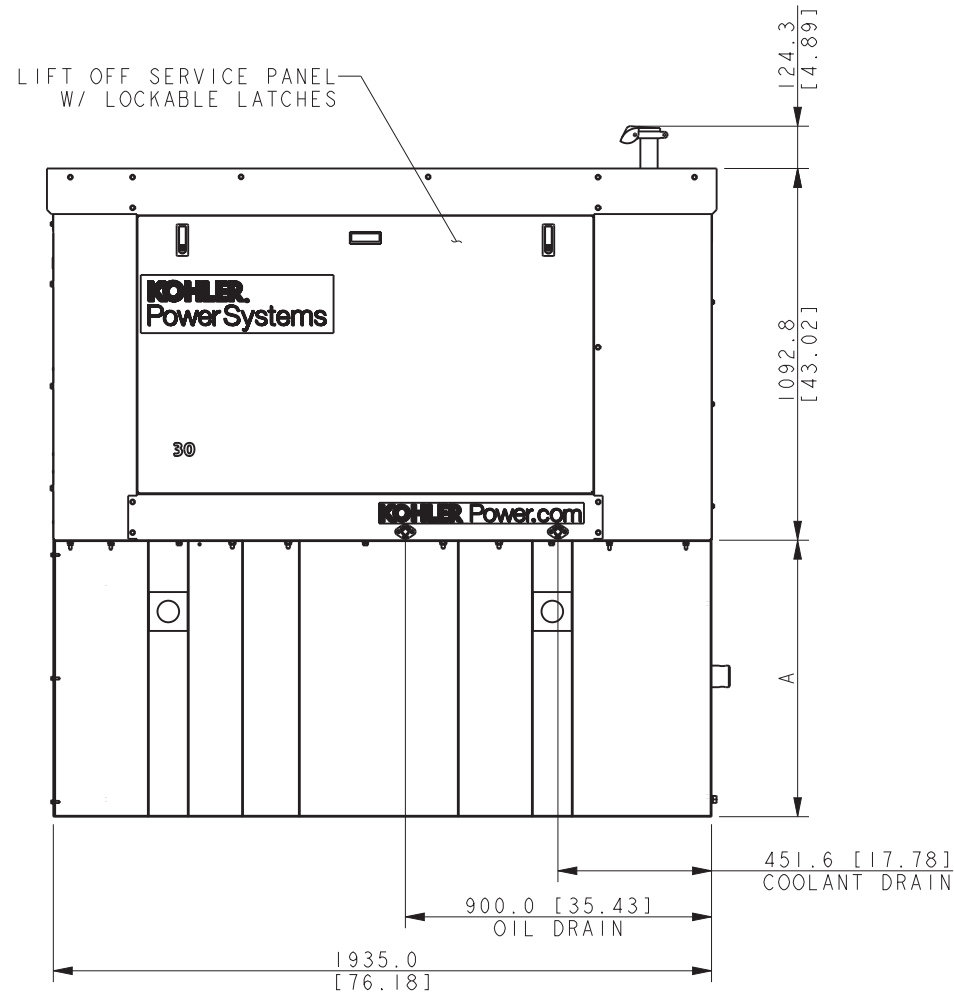
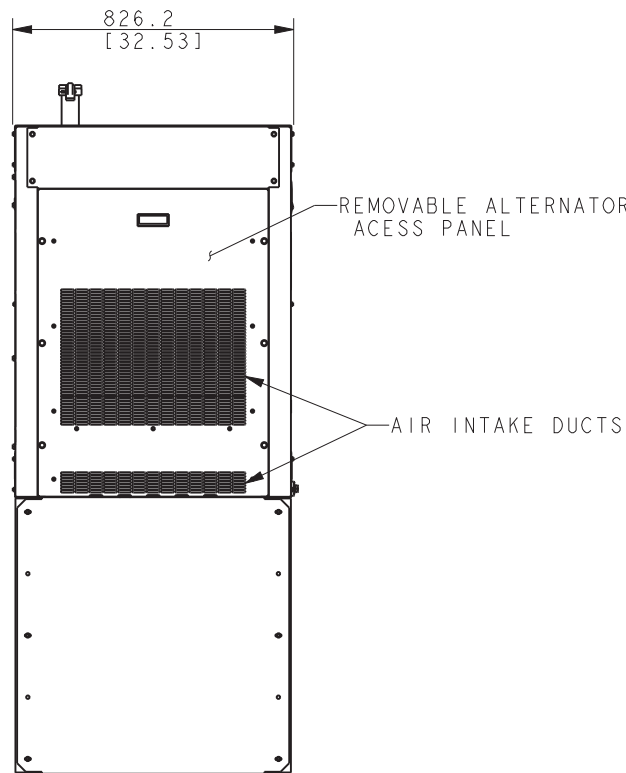
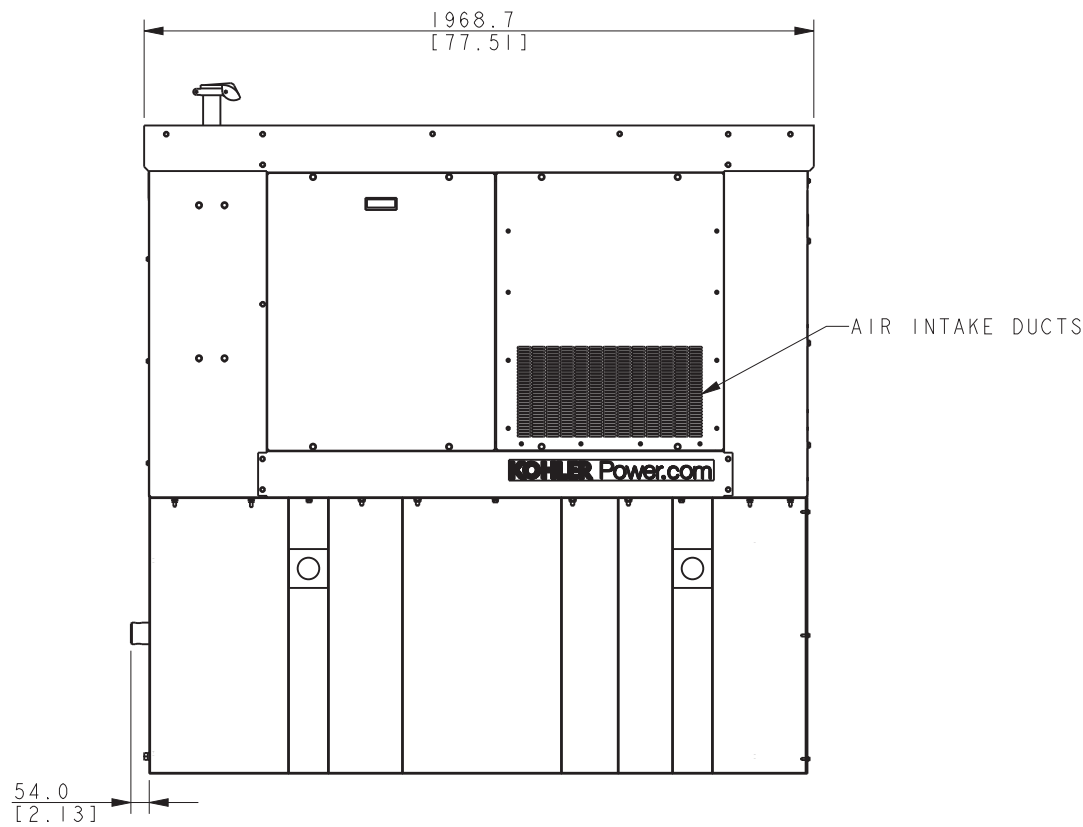
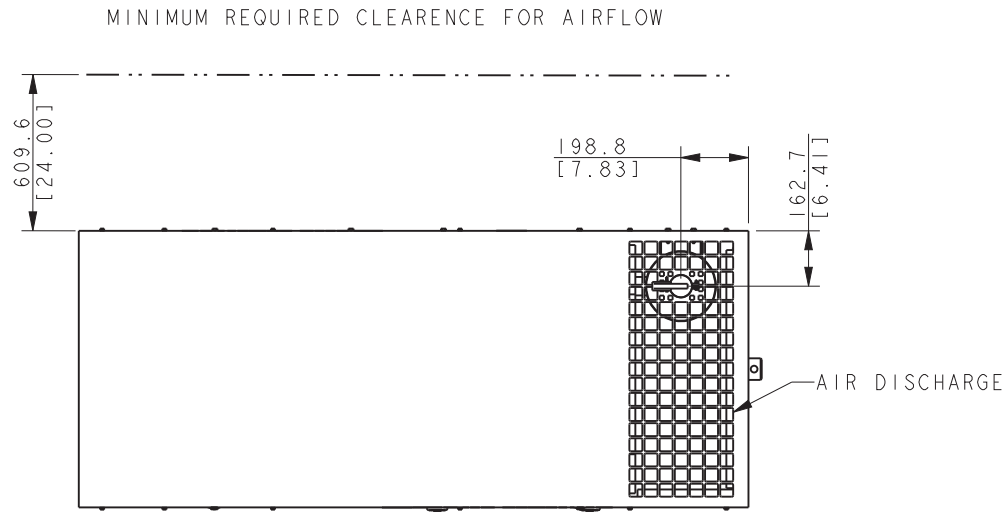
\*Part Number Prefix May Be

- PV-SFR-GS (Single Sector, Sheet 17)
- PV-SFR-GSL (Single Sector, Large Leg, Sheet 18)
- PV-SFR-GS3X (Three Sector, Sheet 13)
- PV-SFR-GSL-3X (Three Sector, Large Leg, Sheet 14)
- PV-SFRGS-MP##M (Monopole, Sheet 15) [Where ## is face size]
- PV-SFRGS-MP##L (Large Monopole, Sheet 16) [Where ## is face size]



SHEET	THIRD ANGLE PROJECTION	CATEGORY	01_Lattice Tower	4				
5 OF 28		SERIES	01_V-Frames	3				
9/26/2023	SCALE 1:24	TYPE	PV-SFR-GS_Guardian	2	8' FACE. 2/3 AP CONFIGS. 5053 CHARTS.	9/20/23	SFR-ENG-01-R2	
DIMENSIONS ARE IN INCHES TOLERANCES U.N.O. HOLES: +1/16", -1/32" ANGULAR: PROFILE ±1/4°, BEND ±2° ALL OTHERS: ±1/16"		BY	DJN	1	GROUND BAR	11/10/22		
		CHECKED	SJS	0	INITIAL RELEASE	2/15/21		
		STATUS	APPROVED	REV	DESCRIPTION	DATE	2	

- NOTES:
1. THE RIGHT SIDE OF THE GENERATOR IS SERVICE ACCESSIBLE.
  2. 6 AMP BATTERY CHARGER.
  3. 120VAC ENGINE BLOCK HEATER.
  4. GENERATOR MUST BE GROUNDED.
  5. SOUND ATTENUATED ENCLOSURE STANDARD WITH GENERATOR.
  6. MUST ALLOW FREE FLOW OF DISCHARGE AIR AND EXHAUST.
  7. MUST ALLOW FREE FLOW OF INTAKE AIR.
  8. EASY ACCESS SERVICE PANEL IS LOCATED ON THE RIGHT SIDE OF THE GENERATOR ONLY.
  9. BASE TANK REQUIRES ALL STUB-UPS TO BE IN THE REAR TANK STUB-UP AREA.
  10. SEE TABLE FOR SUBBASE FUEL TANK CAPACITY.
  11. TANK EQUIPPED WITH FIRE SAFETY VALVE ON FUEL SUPPLY LINE.
  12. IT IS THE RESPONSIBILITY OF THE INSTALLATION TECHNICIAN TO ENSURE THAT THE GENERATOR INSTALLATION COMPLIES WITH ALL APPLICABLE CODES, STANDARDS, AND REGULATIONS.
  13. GENERATOR IS INSTALLED ON A UL-142 RATE DOUBLE WALL SUBBASE FUEL TANK.



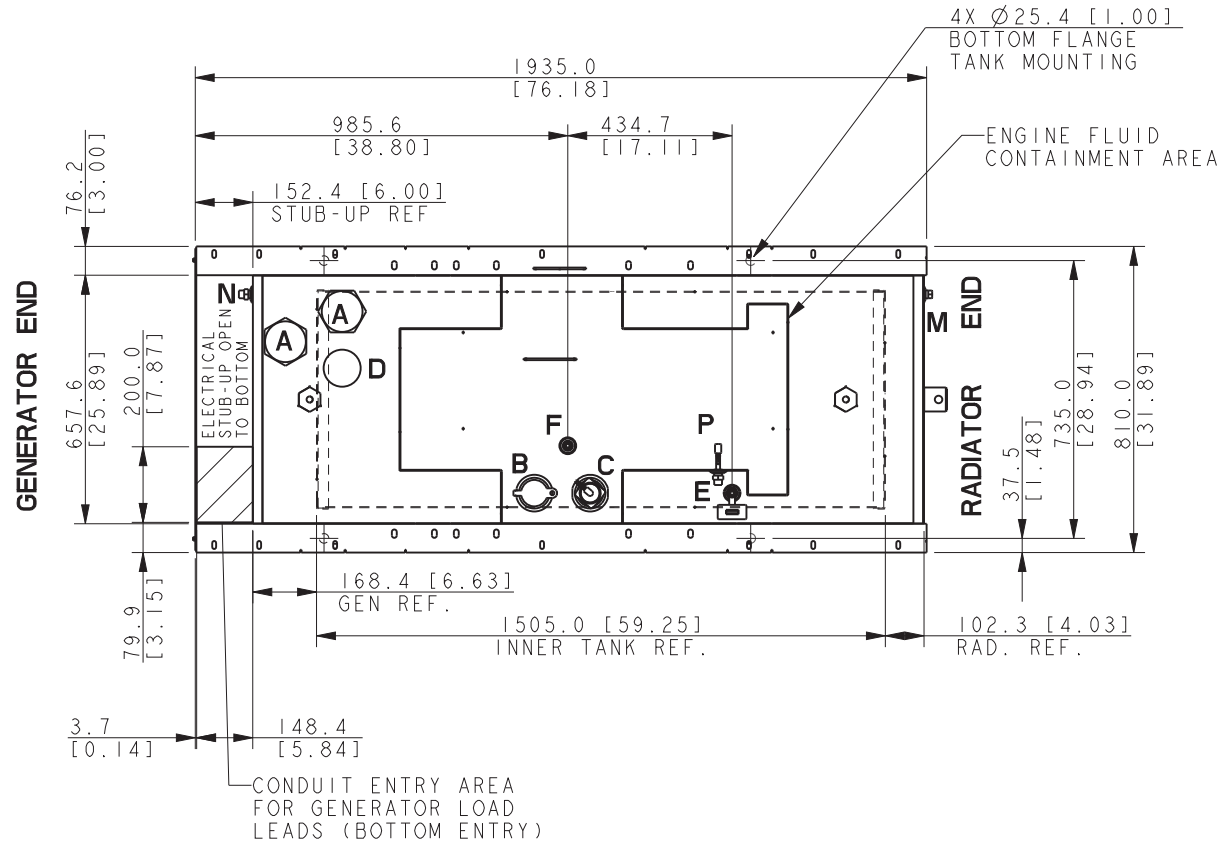
\*\*\*Verizon will be using the Genset 30REOZK with the 203 Gal. Tank (Tank P/N GM97093-MA-2). \*\*\*

GENSET	TANK P/N	TANK HT (A) MM [IN]	DESCRIPTION	ASSY WEIGHT
20REOZK	GM97093-MA1	812.8 [32.0]	SKID/TANK, 148 GAL	827 KG [1823 LBS]
20REOZK	GM97093-MA2	1041.2 [41.0]	SKID/TANK, 203 GAL	893 KG [1968 LBS]
20REOZK	GM97093-MA3	381.0 [15.0]	SKID/TANK, 53 GAL	706 KG [1557 LBS]
20REOZK	GM97093-MA4	685.8 [27.0]	SKID/TANK, 120 GAL	792 KG [1745 LBS]
30REOZK	GM97093-MA1	812.8 [32.0]	SKID/TANK, 148 GAL	893 KG [1969 LBS]
30REOZK	GM97093-MA2	1041.4 [41.0]	SKID/TANK, 203 GAL	959 KG [2114 LBS]
30REOZK	GM97093-MA3	381.0 [15.0]	SKID/TANK, 53 GAL	772 KG [1703 LBS]
30REOZK	GM97-03-MA4	685.8 [27.0]	SKID/TANK, 120 GAL	792 KG [1745 LBS]

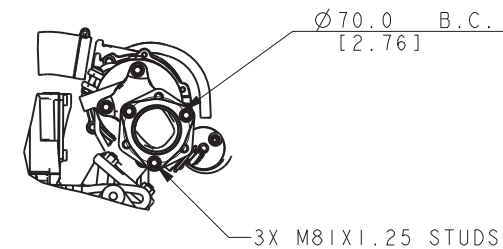
20-30KW KOHLER DIESEL  
SOUND ENCL W/LIFT OFF PANEL

REV	DATE	ON COMPOSITE DWGS. SEE PART NO. FOR REVISION LEVEL	BY	UNLESS OTHERWISE SPECIFIED: 1) DIMENSIONS ARE IN MILLIMETERS 2) TOLERANCES ARE:	TITLE
-	2-2-16	NEW DRAWING [CT138291]	JMR	X.XX ± 0.25 X.X ± 1.0 X ± 1.5 ANGLES ± 0° 30'	POWER SYSTEMS, KOHLER, WI 53044 U.S.A. THIS DRAWING IN DESIGN AND DETAIL IS KOHLER CO. PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH KOHLER CO. WORK. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.
				THIRD ANGLE PROJECTION	DIMENSION PRINT, KDI2504TM VERIZON W/SOUND ENCLOSURE
				APPROVALS	SCALE 0.09 CAD NO. SHEET 1 of 3
				DRAWN JMR 2-2-16	ADV-8855
				CHECKED JMR 2-2-16	
				APPROVED KLC 2-2-16	

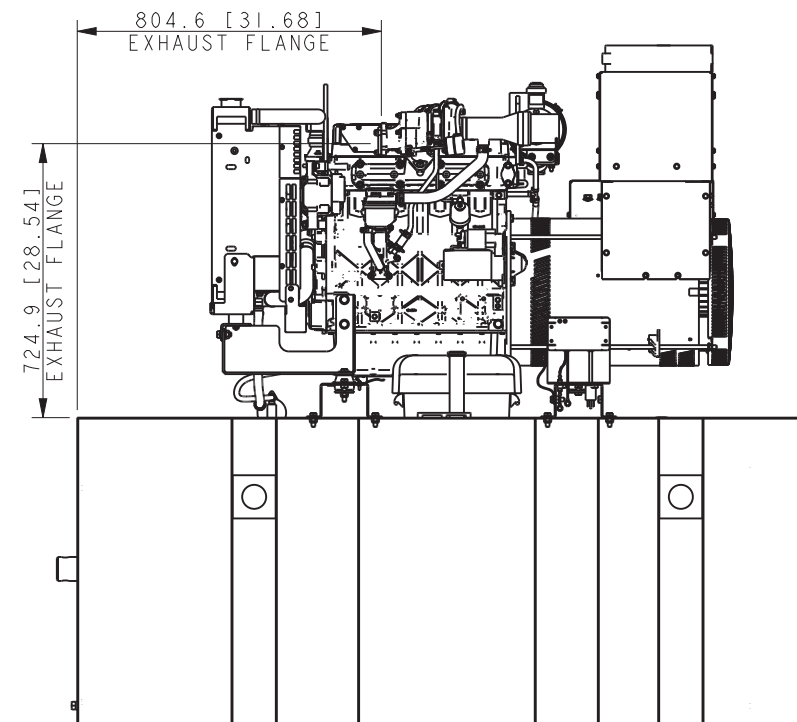
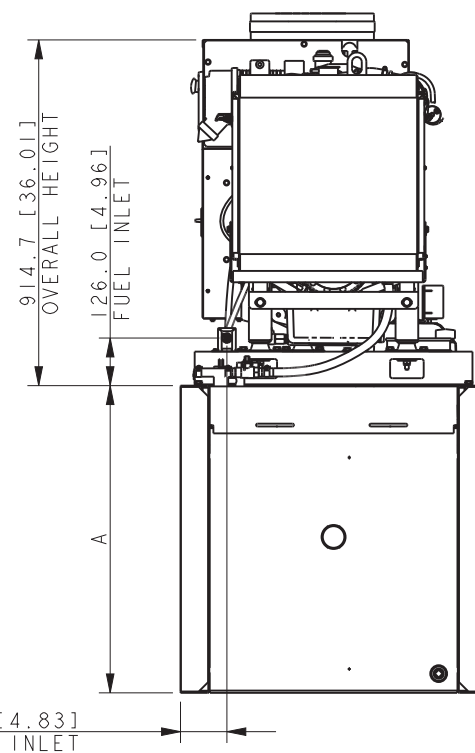
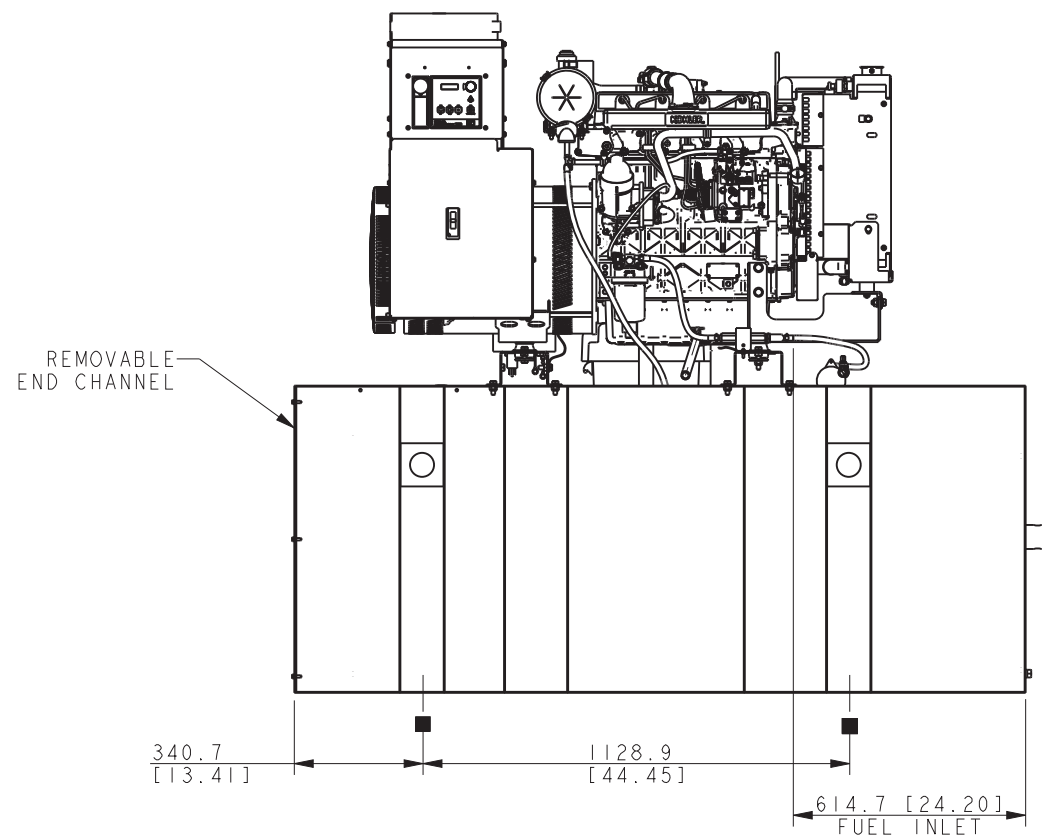




- TANK FITTINGS:**
- A. 3" NPT EMERGENCY VENT FITTING PER NFPA 30 WITH VENT CAPS (QTY 2).
  - B. 4" NPT FUEL FILL FITTING WITH 95% OVERFILL PREVENTION VALVE.
  - C. 2" NPT FITTING FOR FUEL LEVEL SENDING UNIT WITH MECHANICAL INDICATOR NEEDLE.
  - D. 2" NPT NORMAL VENT FITTING WITH MUSHROOM VENT CAP AND RISER.
  - E. 1/2" NPT FITTING REMOVABLE ENGINE SUPPLY DIP TUBE W/ FIRE SAFETY VALVE.
  - F. 1/2" NPT FITTING REMOVABLE FUEL RETURN DIP TUBE.
  - M. 1/2" NPT RUPTURE BASIN DRAIN
  - N. 2" NPT FUEL IN BASIN SWITCH.
  - P. 1/2" NPT FLOAT SWITCH FOR ENGINE FLUID CONTAINMENT BASIN.



EXHAUST FLANGE DETAIL



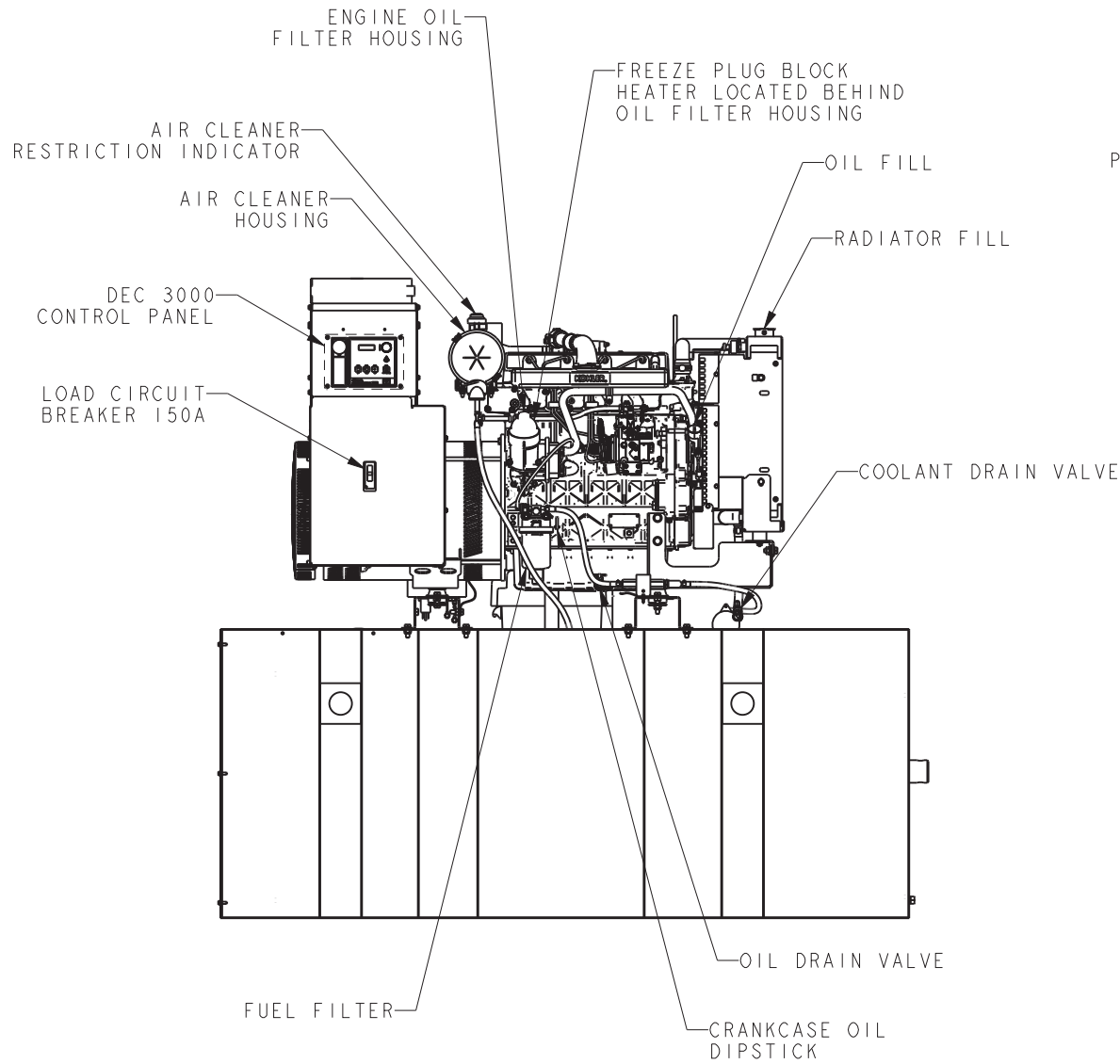
**NOTE:**  
FOR FURTHER TANK DETAIL  
SEE INDIVIDUAL DRAWINGS

■ 4X Ø25.4 [1.00]  
STANDARD MOUNTING

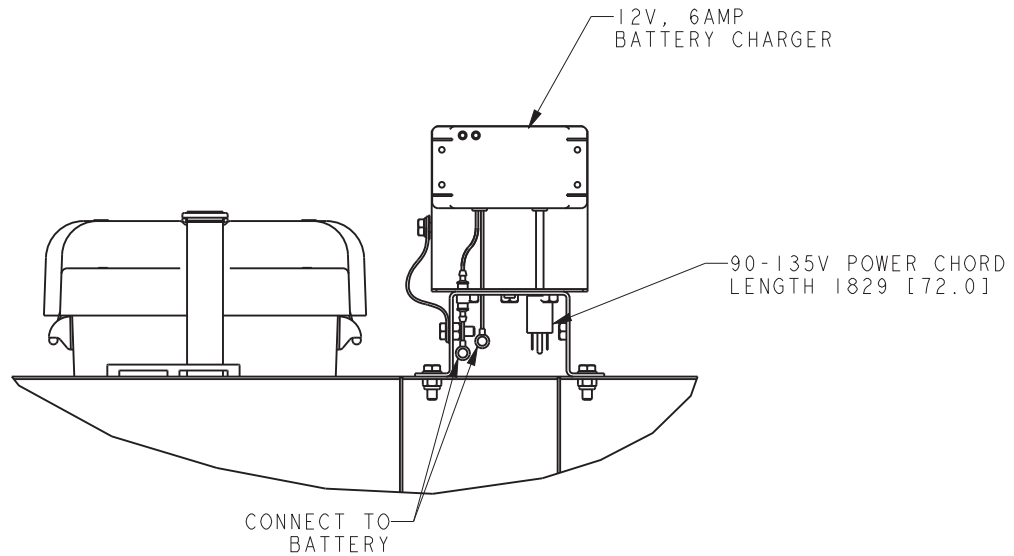
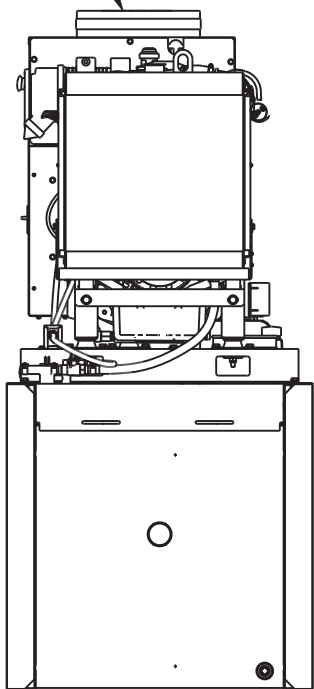
20-30KW KOHLER DIESEL

REV	DATE	ON COMPOSITE DWGS. SEE PART NO. FOR REVISION LEVEL	BY	UNLESS OTHERWISE SPECIFIED - 1) DIMENSIONS ARE IN MILLIMETERS 2) TOLERANCES ARE:	THIRD ANGLE PROJECTION	APPROVALS	DATE	TITLE
-	2-2-16	NEW DRAWING [CT138291]	JMR	X.XX ± 0.25 X.X ± 1.0 X ± 1.5 ANGLES ± 0° 30'		JMR	2-2-16	<b>KOHLER CO.</b> METRIC PRO-E POWER SYSTEMS, KOHLER, WI 53044 U.S.A. THIS DRAWING IN DESIGN AND DETAIL IS KOHLER CO. PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH KOHLER CO. WORK. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.
						JMR	2-2-16	<b>DIMENSION PRINT KDI2504TM VERIZON W/SOUND ENCLOSURE</b>
						KLC	2-2-16	SCALE 0.10 CAD NO. SHEET 2 of 3 DWG NO. ADV-8855

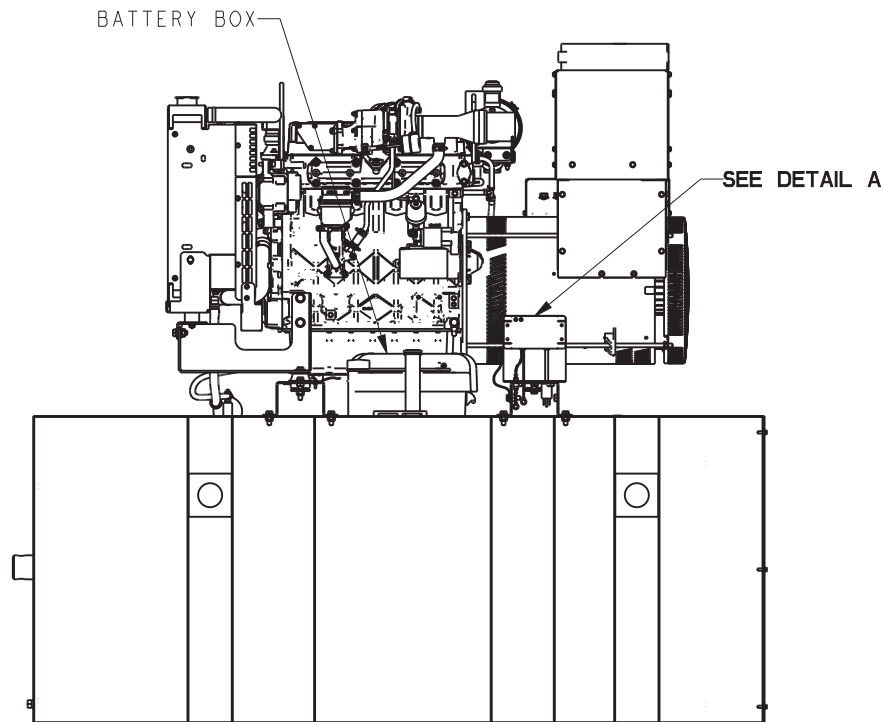
NOTE:  
THIS GENERATOR SET HAS FRONT ACCESSIBILITY TO ALL  
ROUTINELY SERVICED COMPONENTS INCLUDING:  
1. AIR FILTER  
2. OIL FILTER / FILL  
3. FUEL FILTER  
4. OIL DRAIN  
5. COOLANT DRAIN



PUBLICATIONS AND  
MANUAL CASE



DETAIL A  
BATTERY CHARGER



20-30KW KOHLER DIESEL

REV	DATE	ON COMPOSITE DWGS. SEE PART NO. FOR REVISION LEVEL	BY	UNLESS OTHERWISE SPECIFIED - 1) DIMENSIONS ARE IN MILLIMETERS 2) TOLERANCES ARE:	TITLE	
-	2-2-16	NEW DRAWING [CT138291]	JMR	X.XX ± 0.25 X.X ± 1.0 X ± 1.5 ANGLES ± 0° 30'	KOHLER CO. METRIC PRO-E	
				SURFACE FINISH MAX.	POWER SYSTEMS, KOHLER, WI 53044 U.S.A.	
				THIRD ANGLE PROJECTION	THIS DRAWING IN DESIGN AND DETAIL IS KOHLER CO. PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH KOHLER CO. WORK. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.	
				APPROVALS	DRAWN JMR 2-2-16	
				CHECKED JMR 2-2-16	SCALE 0.10 CAD NO.	
				APPROVED KLC 2-2-16	SHEET 3 of 3	
					ADV-8855	
					D	

**Date:** January 30, 2024

SCOTT STEKR  
PERFECT VISION  
11611 E 51st Avenue  
Denver, CO 80239

**Structure Information:** 2-Post Weather Canopy 10'x13'

**Analysis Results: Pass**

To whom it may concern,

This PE letter will summarize the results of our engineering determination on the adequacy of the 2-Post Weather Canopy 10'x13' at ground elevation.

**Sources of Information**

Document Type	Remarks
2-Post Weather Canopy 10'x13' Specification	By Perfect Vision Document Number. WC-ENG-04 Dated 01/08/2024

**Analysis Criteria**

Codes and Standards: ANSI/TIA -222-H, ASCE 7-16  
Design Wind Speed (V): 150 mph  
Exposure Category: C  
Structure Class: II  
Gust Factor (Gh): 0.85  
Max Wind Pressure (q<sub>z</sub>): 46.5 psf  
Max Rood Live Load (L<sub>0</sub>): 20 psf  
Max Snow Loading (p<sub>r</sub>): 20 psf

**Assumptions**

- 2-Post Weather Canopy 10'x13' are assumed to have been properly fabricated, installed, and maintained in good condition, twist free and plumb in accordance with their original design and manufacturer's specifications.
- Foundation check was not performed as a part of this analysis.

**Conclusion**

Our engineering determination was based on a 2-Post Weather Canopy 10'x13' Specification provided by Perfect Vision and analysis criteria.

It is our opinion that the 2-Post Weather Canopy 10'x13' referenced in the "Sources of Information" can safely support the loads per analysis criteria.

This PE Letter determination is based on the information and assumptions outlined above. Deviation from the information and assumptions will invalidate the determination and require further review.

Sincerely,

Bikkey Shah, PE.  
Structural Engineer IV  
[bshah@congruex.com](mailto:bshah@congruex.com)

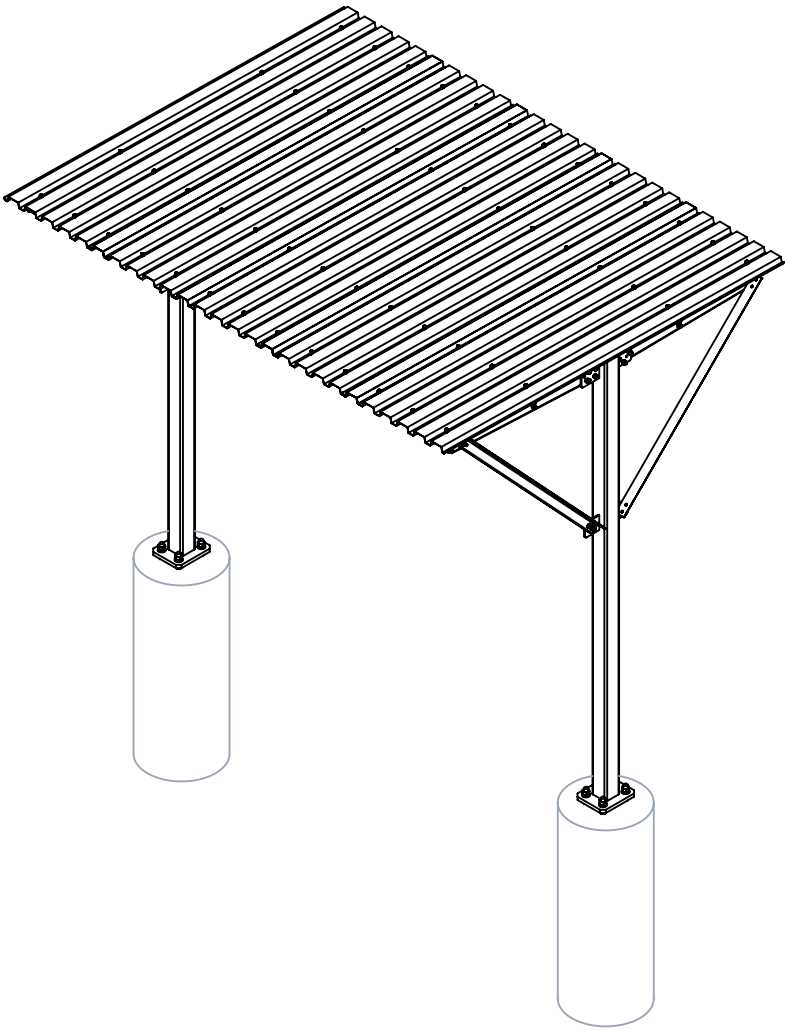
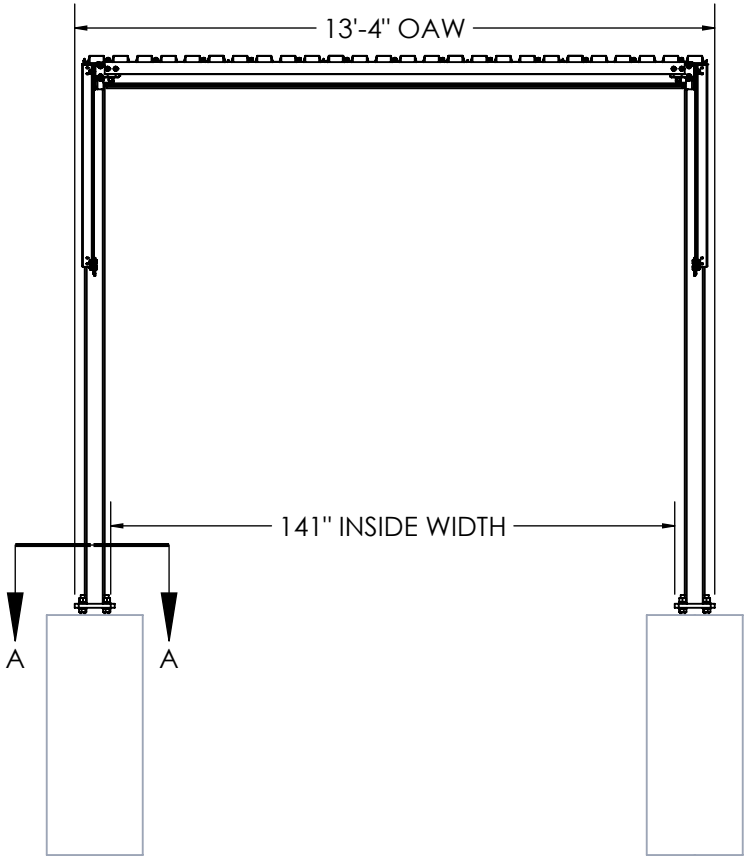
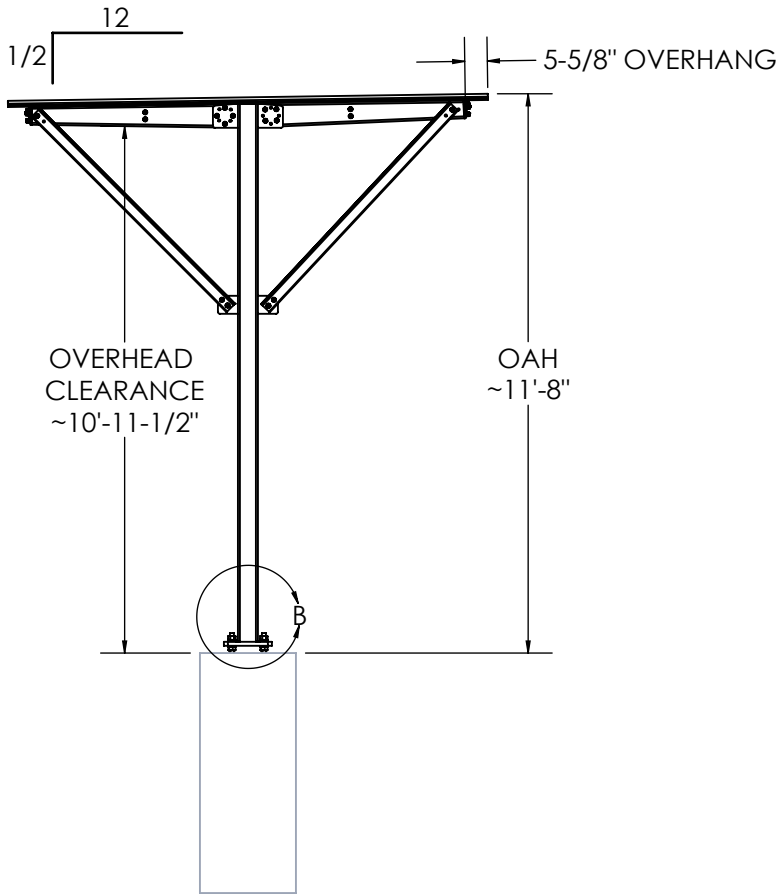
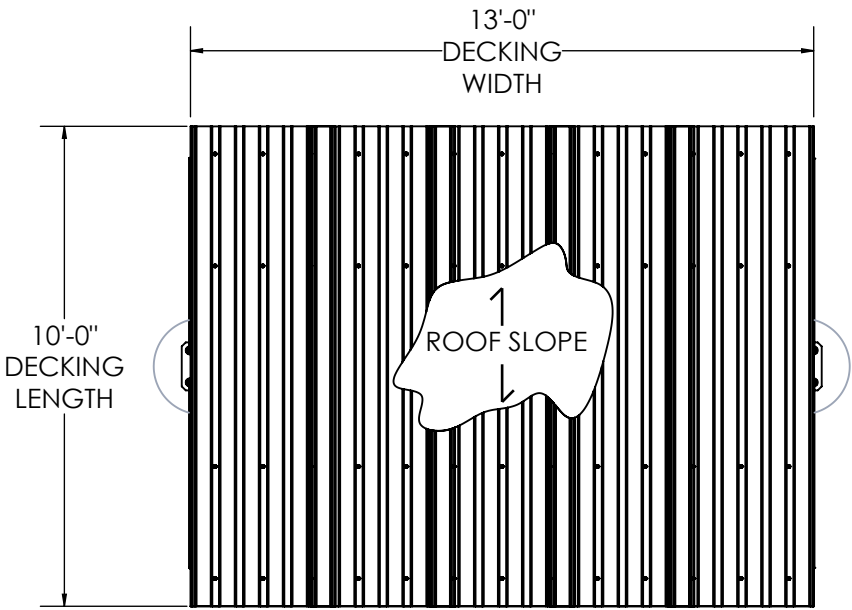




PV-WC-2P-1013

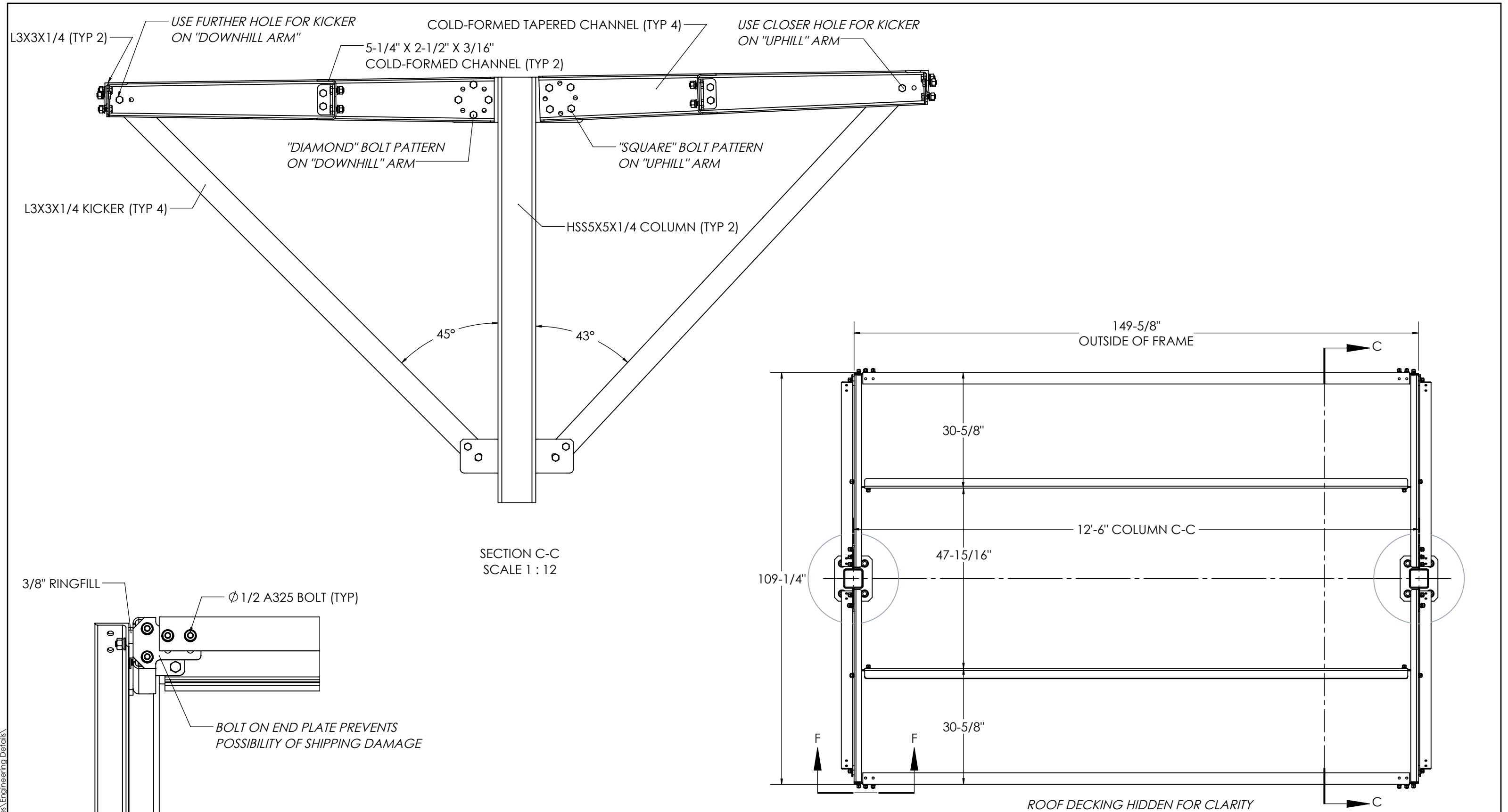
10'x13' 2-Post Weather Cover

Design Criteria:  
**Standards:** ANSI/TIA-222-H, ASCE 7-16  
**Design Wind Speed (V):** 150mph  
**Exposure Class:** I, II  
**Gust Factor (Gh):** 0.85  
**Max Wind Pressure (qz):** 46 psf  
**Max Roof Live Loading (L0):** 20 psf  
**Max Snow Loading (pf):** 20 psf





PV-WC-2P-1013  
WEIGHT: 1483.054LBS

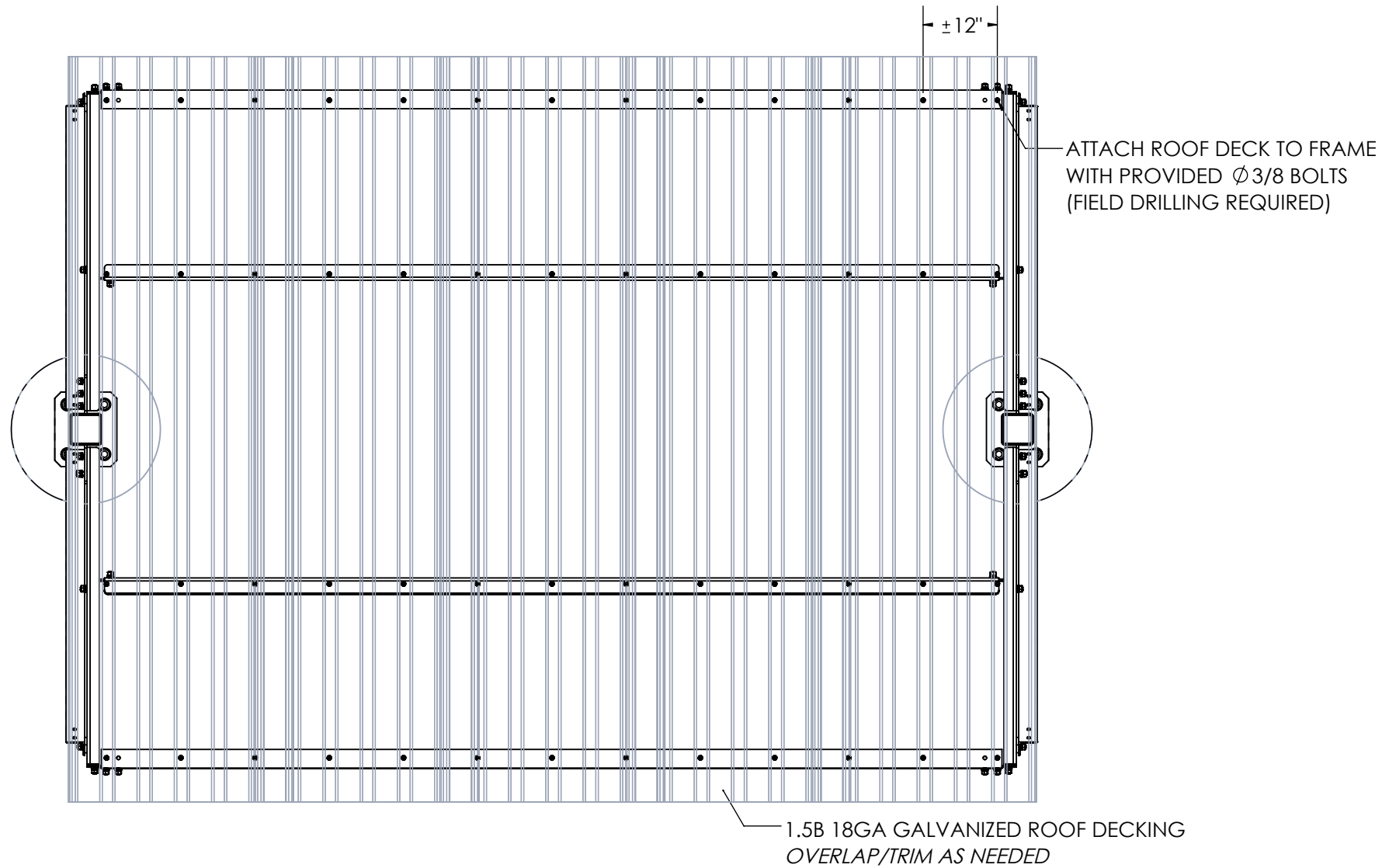
SHEET 1 OF 5	THIRD ANGLE PROJECTION 	CATEGORY	07_Equipment Platforms & Canopies	4		
		SERIES	01_Equipment Platforms & Canopies	3		
1/8/2024	SCALE 1:1	TYPE	PV-WC-2P_Weather Canopy	2	CROSS ANGLE SIZE FOR R2, RATINGS ADDED	1/8/2023
DIMENSIONS ARE IN INCHES TOLERANCES U.N.O. HOLES: +1/16", -1/32" ANGULAR: PROFILE ±1/4°, BEND ±2° ALL OTHERS: ±1/16"		BY	BSB	1	ANCHOR GRADE	12/7/2023
		CHECKED	SJS	0	INITIAL RELEASE	5/28/2021
		STATUS	APPROVED	REV	DESCRIPTION	DATE
WC-ENG-04						REV 2

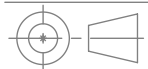



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SHEET  2 OF 5	THIRD ANGLE PROJECTION 	CATEGORY	07_Equipment Platforms & Canopies	4					
		SERIES	01_Equipment Platforms & Canopies	3					
6/4/2021	SCALE 1:1	TYPE	PV-WC-2P_Weather Canopy	2					
DIMENSIONS ARE IN INCHES TOLERANCES U.N.O. HOLES: +1/16", -1/32" ANGULAR: PROFILE ±1/4°, BEND ±2° ALL OTHERS: ±1/16"		BY	BSB	1			PV-WC-2P-1013 - 2 Post Weather Cover Detail		
		CHECKED	SJS	0	INITIAL RELEASE	5/28/2021	DOCUMENT NUMBER	REV	
		STATUS		APPROVED	REV	DESCRIPTION	DATE	WC-ENG-04	0

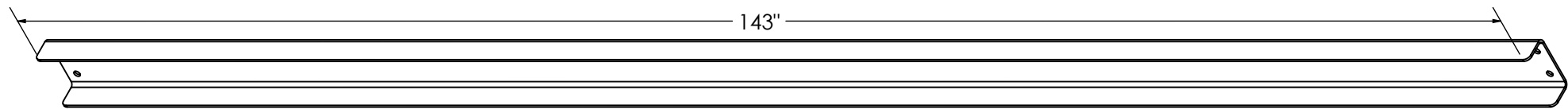
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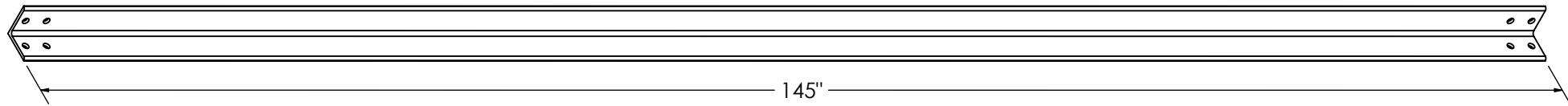
SHEET 3 OF 5	THIRD ANGLE PROJECTION 	CATEGORY	07_Equipment Platforms & Canopies	4			
		SERIES	01_Equipment Platforms & Canopies	3			
6/4/2021	SCALE 1:1	TYPE	PV-WC-2P_Weather Canopy	2	PV-WC-2P-1013 - 2 Post Weather Cover Detail		
DIMENSIONS ARE IN INCHES TOLERANCES U.N.O. HOLES: +1/16", -1/32" ANGULAR: PROFILE ±1/4°, BEND ±2° ALL OTHERS: ±1/16"		BY	BSB	1			
		CHECKED	SJS	0	INITIAL RELEASE	5/28/2021	DOCUMENT NUMBER
		STATUS	APPROVED	REV	DESCRIPTION	DATE	WC-ENG-04
							REV 0







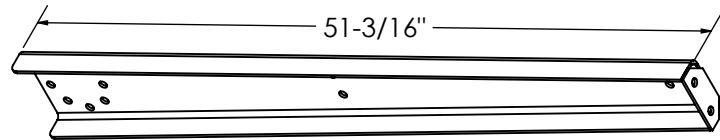
P597-526-12  
Weight: 73.066lbs  
Qty Included: 2



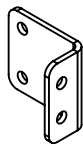
P297-111-01  
Weight: 58.882lbs  
Qty Included: 2



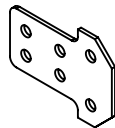
P297-111-02  
Weight: 27.946lbs  
Qty Included: 4



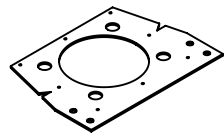
W097-261-01  
Weight: 23.415lbs  
Qty Included: 4



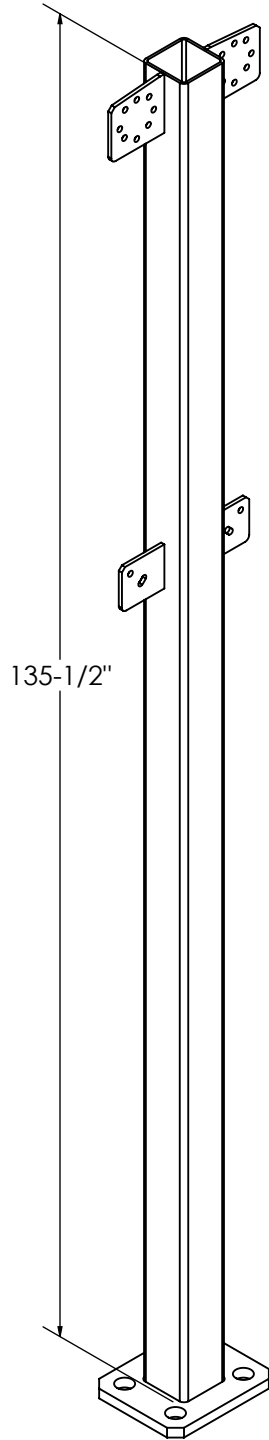
P597-527-03  
Weight: 1.673lbs  
Qty Included: 4



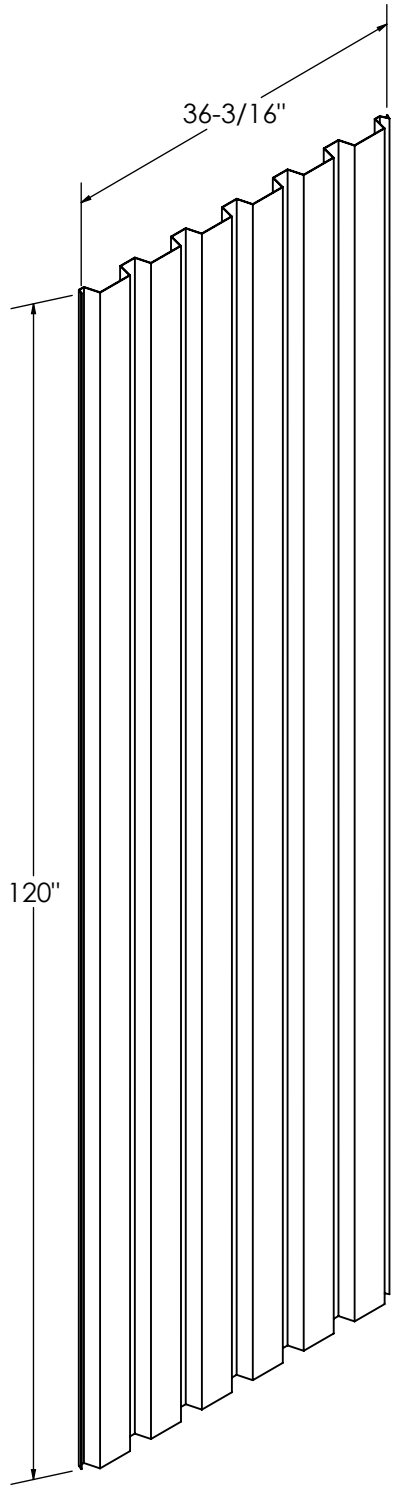
P597-529-02  
Weight: 0.987lbs  
Qty Included: 4



P597-523-12  
Weight: 5.980lbs  
Qty Included: 4



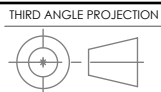
W097-259-01  
Weight: 211.406lbs  
Qty Included: 2



P597-115-10  
Weight: 81.91lbs  
Qty Included: 5

ITEM NO.	PART #	DESCRIPTION	REV.	QTY.
1	W097-261-01	2PWC - Taper Channel Weldment	0	4
2	W097-259-01	2P-WC - Post Weldment	0	2
3	P597-529-02	2PWC - Taper Channel End Plate Extension	0	4
4	P597-527-03	2P-WP - CLIP ANGLE	0	4
5	P597-526-12	2P-WC - Cross Channel - 12ft	0	2
6	P597-523-12	2P-WC - AG Template Plate	0	4
7	P597-115-10	P10 - WEATHER COVER - 1.5B ROOF DECKING - 18GA - 10 FT	0	5
8	P297-111-02	2P-WC - Kicker	0	4
9	P297-111-01	2P-WC - Cross Angle	0	2
10	HK1-0817-10	1/2" x 1-3/4" x 1" A325 GALVANIZED STRUCTURAL BOLT HW KIT	0	24
11	HK1-0815-10	1/2" x 1-1/2" x 1" A325 GALVANIZED STRUCTURAL BOLT HW KIT	0	44
12	HK1-0615-10	3/8" x 1-1/2" x 1" A325 GALVANIZED STRUCTURAL BOLT HW KIT	0	52
13	H82-0008-03	RINGFILL - 1/2" BOLT - 3/8" THICK	0	4
14	H15-2100-03	1.0" Dia X 3'-0" X 8TP1 Anchor Rod - A193-B7 HDG	0	8
15	H04-0016-01	1" SPRING LOCK WASHER	0	8
16	H03-0016-02	1" DIA. F436 HARDENED GALVANIZED WASHER	0	16
17	H02-0016-08	1" A563DH GALVANIZED NUT	0	40

SHEET  
5 OF 5



SCALE  
1:1

DIMENSIONS ARE IN INCHES  
TOLERANCES U.N.O.  
HOLES: +1/16", -1/32"  
ANGULAR: PROFILE ±1/4°, BEND ±2°  
ALL OTHERS: ±1/16"

CATEGORY	07_Equipment Platforms & Canopies	4		
SERIES	01_Equipment Platforms & Canopies	3		
TYPE	PV-WC-2P_Weather Canopy	2		
BY	BSB	1		
CHECKED	SJS	0	INITIAL RELEASE	5/28/2021
STATUS	APPROVED	REV	DESCRIPTION	DATE

PV-WC-2P-1013 - 2 Post Weather Cover Detail			
DOCUMENT NUMBER WC-ENG-04			REV 0