

CODE COMPLIANCE

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

1. 2022 CALIFORNIA ADMINISTRATIVE CODE

2. 2022 CALIFORNIA BUILDING CODE

3. 2022 CALIFORNIA ELECTRIC CODE

4. 2022 CALIFORNIA MECHANICAL CODE

5. 2022 CALIFORNIA PLUMBING CODE
6. 2022 CALIFORNIA FIRE CODE

7. ANY LOCAL BUILDING CODE AMENDMENTS

8. CITY/COUNTY ORDINANCES

9. ANSI / TIA-222 STRUCTURAL CODE

10. NFPA 780 - LIGHTING PROTECTION CODE

HANDICAP REQUIREMENTS:
FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION, AND IS EXEMPTED FROM ACCESSIBILITY REQUIREMENTS IN ACCORDANCE WITH 2022 CALIFORNIA BUILDING CODE SECTION 11B-203.5.

THIS FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE. NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS NEW.

GENERAL NOTES

THIS FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE. NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS NEW.

IF CONTRACTOR ENCOUNTERS CONDITIONS IN FIELD, EITHER UNFORESEEN OR IN SOME MANNER IN CONFLICT WITH THESE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE REGISTERED DESIGN PROFESSIONAL OF SUCH CONDITIONS IN WRITING AND SHALL ACKNOWLEDGE ANY WORK DONE OUTSIDE OF JURISDICTIONAL PERMITTED PLANS IS DONE AT CONTRACTORS OWN RISK.

FOR "SPECIAL INSPECTIONS" SPECIFIC TO THIS PROJECT PURSUANT TO CBC SECTION 1704.3, SEE SHEET T-4, "STATEMENT OF SPECIAL INSPECTIONS"

SUBCONTRACTOR SHALL VERIFY ALL PLANS & EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

FULL SIZE = 24"x36". ANY OTHER SIZE PRINT IS NOT ORIGINAL SCALE.

ALL INDICATED DIMENSIONS SHALL TAKE PRECEDENT OVER SCALED DIMENSIONS.



UNDERGROUND SERVICE ALERT
UTILITY NOTIFICATION CENTER OF CALIFORNIA
(800) 422-4133
WWW.CALIFORNIA811.ORG

CALL 2-14 WORKING DAYS UTILITY NOTIFICATION PRIOR TO CONSTRUCTION



SITE INFORMATION

PROPERTY OWNER:	GOOD SHEPERD EVANGELICAL LUTHERAN CHURCH OF CLAREMONT	TOWER OWNER:	N/A
ADDRESS:	1700 N. TOWNE AVENUE CLAREMONT, CA 91711 (909) 626-2714	ADDRESS:	--
COUNTY:	LOS ANGELES	TOWER CO SITE ID:	N/A
ZONING JURISDICTION:	CITY OF CLAREMONT	TOWER APP NUMBER:	N/A
ZONING DISTRICT:	--	LATITUDE (NAD 83):	34° 06' 52.80" N 34.114667°
PARCEL NUMBER:	8303-010-043	LONGITUDE (NAD 83):	117° 44' 08.43" W -117.735675°
OCCUPANCY GROUP:	U		
CONSTRUCTION TYPE:	II-B		
POWER COMPANY:	SCE		
TELEPHONE COMPANY:	--		
LEASE AREA:	706 SQ. FT.		

PROJECT TEAM

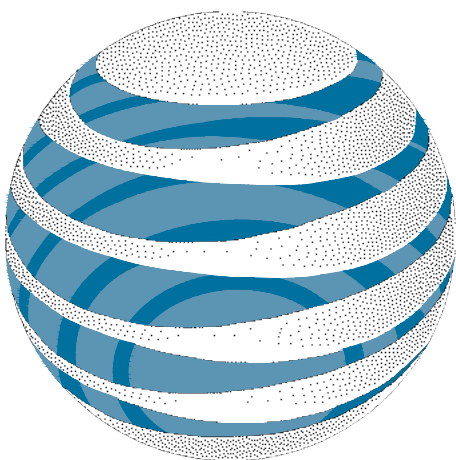
PROJECT MANAGER: AT&T 1452 EDINGER AVE, 3RD FLOOR TUSTIN, CA 92780 CONTACT: TY LOGAN-BURKS PHONE: (925) 549-4671 EMAIL: tl784a@att.com	SITE ACQUISITION: EUKON 65 POST SUITE 1000 IRVINE, CA 92618 CONTACT: JON SILVA PHONE: (714) 393-7963 EMAIL: jon.silva@eukongroup.com	A&E CONTACT: EUKON 65 POST SUITE 1000 IRVINE, CA 92618 CONTACT: RICH BRUNET PHONE: (949) 553-8566 EMAIL: rich.brunet@eukongroup.com
RF ENGINEER: AT&T 1452 EDINGER AVE, 3RD FLOOR TUSTIN, CA 92780 CONTACT: SANDEEP MANGAT PHONE: (530) 540-4201 EMAIL: sm2840@att.com	ZONING: EUKON 65 POST SUITE 1000 IRVINE, CA 92618 CONTACT: SONAL THAKUR PHONE: (949) 565-6501 EMAIL: sonal.thakur@eukongroup.com	CONSTRUCTION: AT&T 1452 EDINGER AVE, 3RD FLOOR TUSTIN, CA 92780 CONTACT: DAVID TOVLIN PHONE: (562) 243-5168 EMAIL: dt2777@att.com

SITE NUMBER: CLL05463

PACE#: MRLOS094296

FA#: 12844550

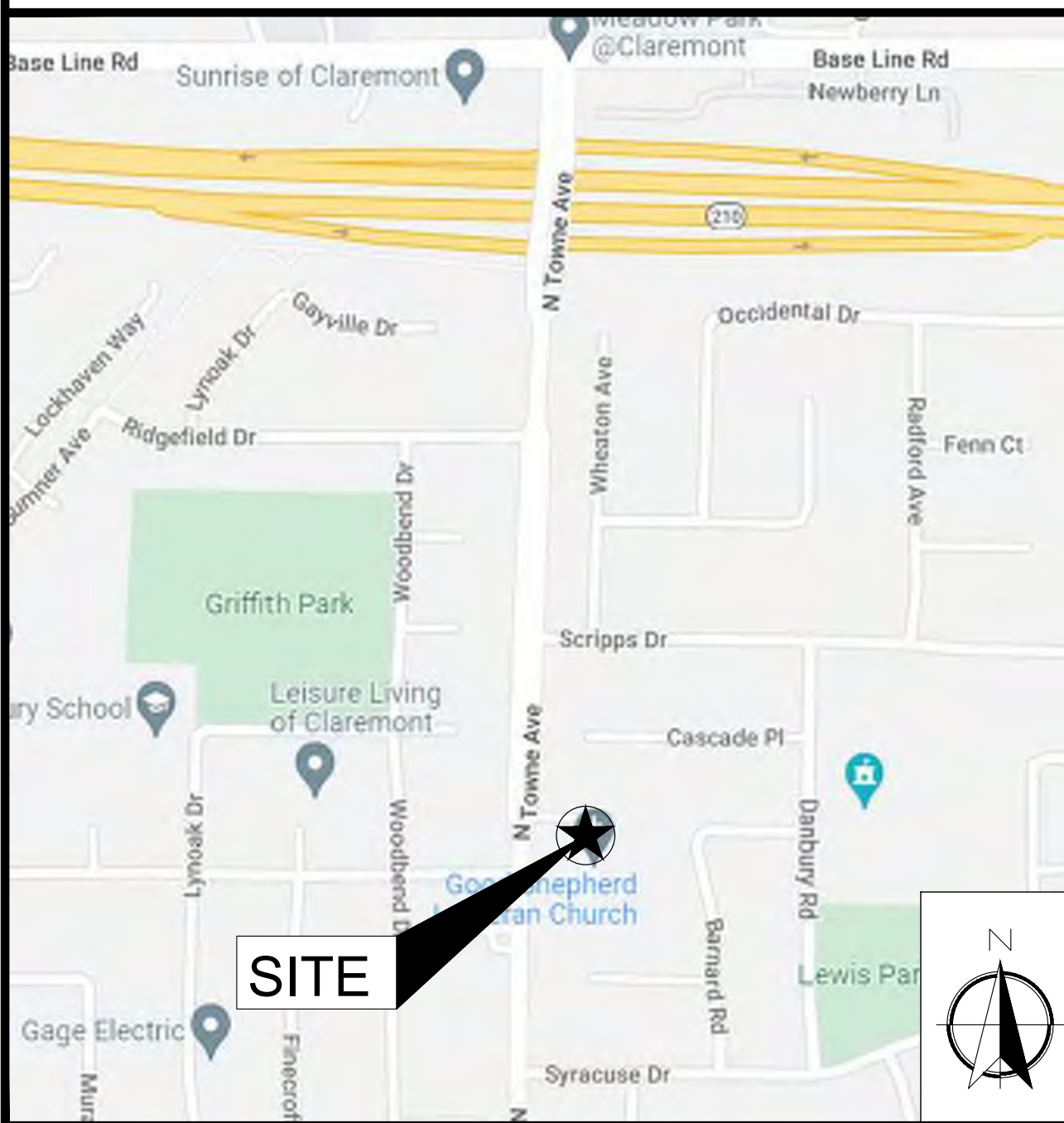
USID: 317138



at&t

PROJECT: NEW SITE BUILD (NSB)
LTE-1C/2C/3C/4C/5C/6C/7C
SITE TYPE: FAUX EUCALYPTUS
SITE ADDRESS: 1700 N. TOWNE AVE.
CLAREMONT, CA. 91711

VICINITY MAP



AERIAL VIEW



DRIVING DIRECTIONS

- DIRECTIONS FROM AT&T OFFICE AT 1452 EDINGER AVE, TUSTIN, CA 92780
1. DEPART 1452 EDINGER AVE AND HEAD NORTH ON EDINGER AVE. TOWARDS I-5 SOUTH.

8. SITE IS ON LEFT HAND SIDE
2. TURN LEFT ONTO NEWPORT AVE.
3. TURN RIGHT AND MERGE ONTO CA-55 N TOWARD SANTA ANA.
4. TAKE EXIT 107A FOR CA-57 N TOWARD POMONA.
5. TAKE EXIT 25B FOR CA-210 E/FOOTHILL FWY TOWARD SAN BERNARDINO.
6. TAKE EXIT 50 TOWARD TOWNE AVE.
7. USE RIGHT 2 LANES TO TURN RIGHT ONTO N TOWNE AVE.

PROJECT DESCRIPTION

AT&T WIRELESS PROPOSES TO INSTALL A WIRELESS COMMUNICATIONS FACILITY. THE SCOPE WILL CONSIST OF THE FOLLOWING:

- INSTALL 62'-0" TALL FAUX EUCALYPTUS
- INSTALL (20) PANEL ANTENNAS
- INSTALL (12) RRUS AT ANTENNAS
- INSTALL (4) DC9 SURGE SUPPRESSORS
- INSTALL (1) 4' WIDE STEEL ACCESS DOOR
- INSTALL (1) PPC
- INSTALL (1) CAMLOCK
- INSTALL (1) POWER CABINET
- INSTALL (2) STACKED PURCELL CABINETS
- INSTALL (1) DC50 SURGE SUPPRESSOR
- INSTALL (1) TELCO BOX
- INSTALL (1) CIENA
- INSTALL (1) JOINT TELCO / POWER UTILITY TRENCH
- INSTALL (1) 200A METER PANEL
- INSTALL (1) 8'-0" HIGH CMU BLOCK WALL ENCLOSURE
- INSTALL (1) CONCRETE PAD
- INSTALL (2) EUCALYPTUS TREES
- INSTALL (44) SHRUBS

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DRAWN BY:	UTILITIES CHECKED BY:	A&E CHECKED BY:
DW/AS	GD	RB

CONSTRUCTION
DRAWINGS

SUBMITTALS		
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A	04/26/24	90% CONSTRUCTION DRAWINGS
B	08/29/24	JX COMMENTS
0	03/12/24	100% CONSTRUCTION DRAWINGS

PROJECT INFORMATION

CLL05463

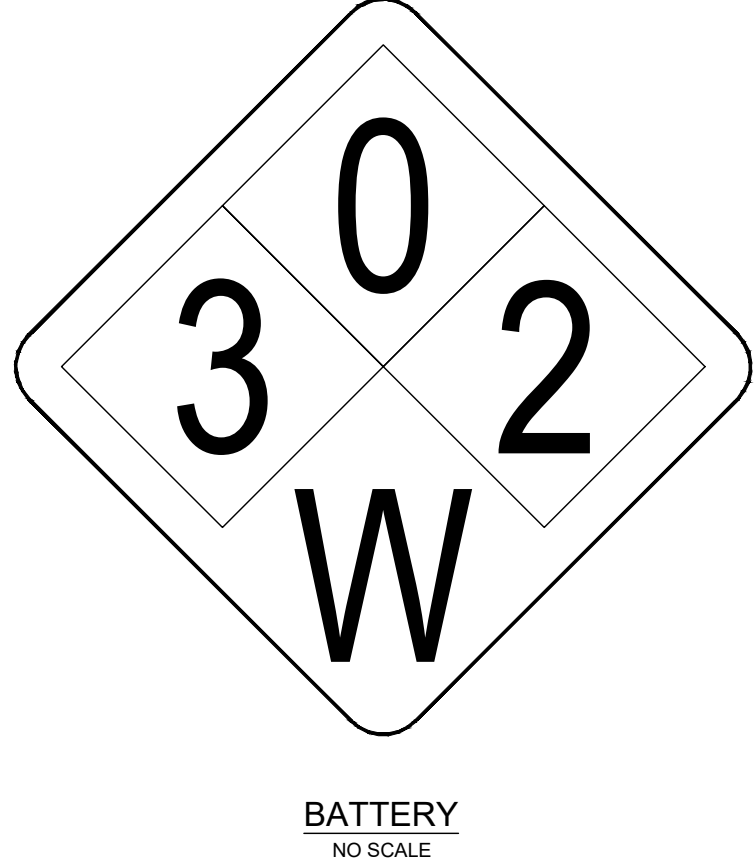
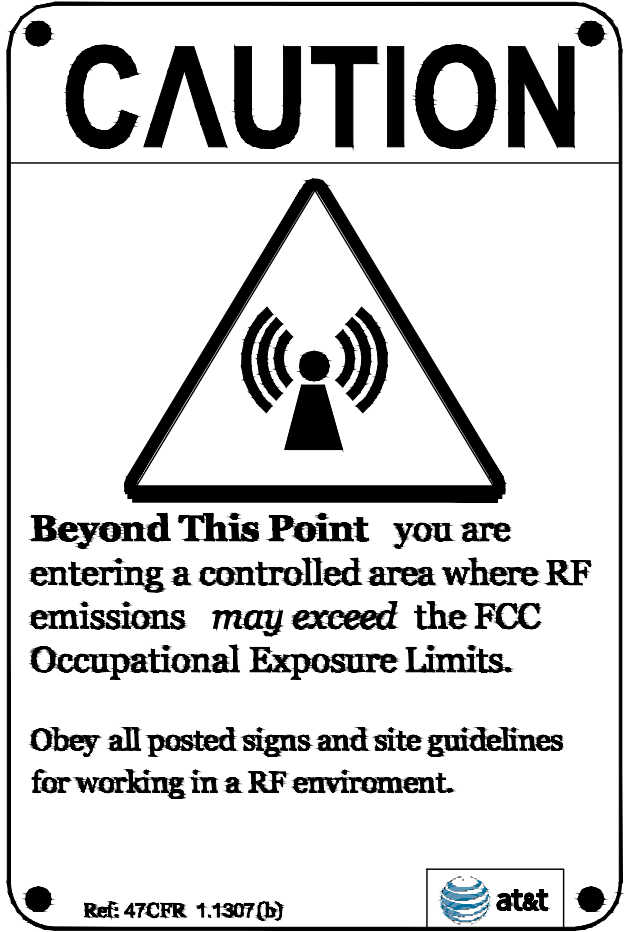
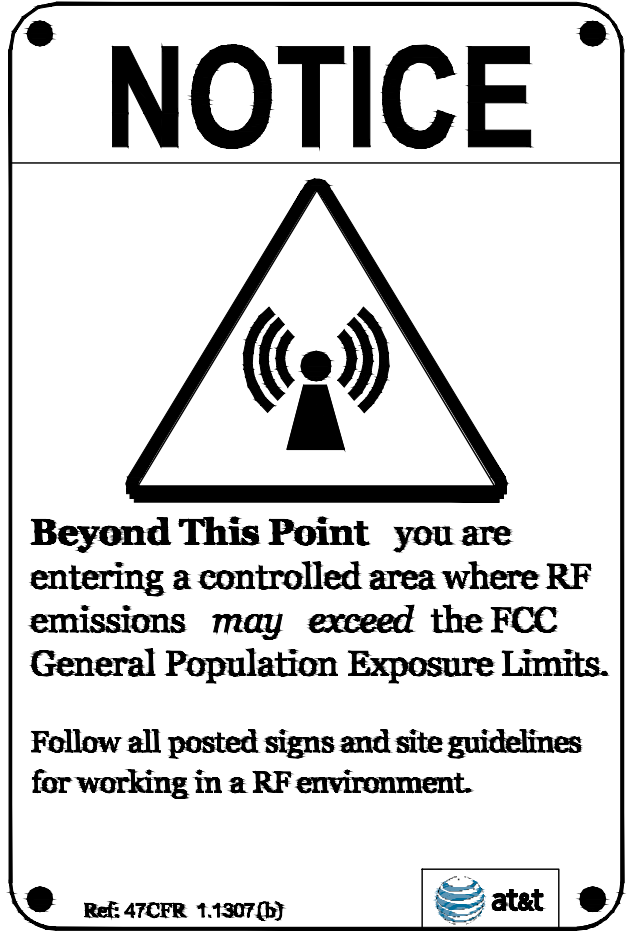
1700 N. TOWNE AVE.
CLAREMONT, CA 91711

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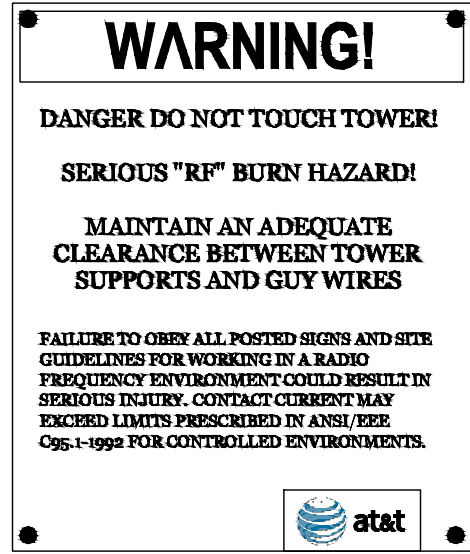
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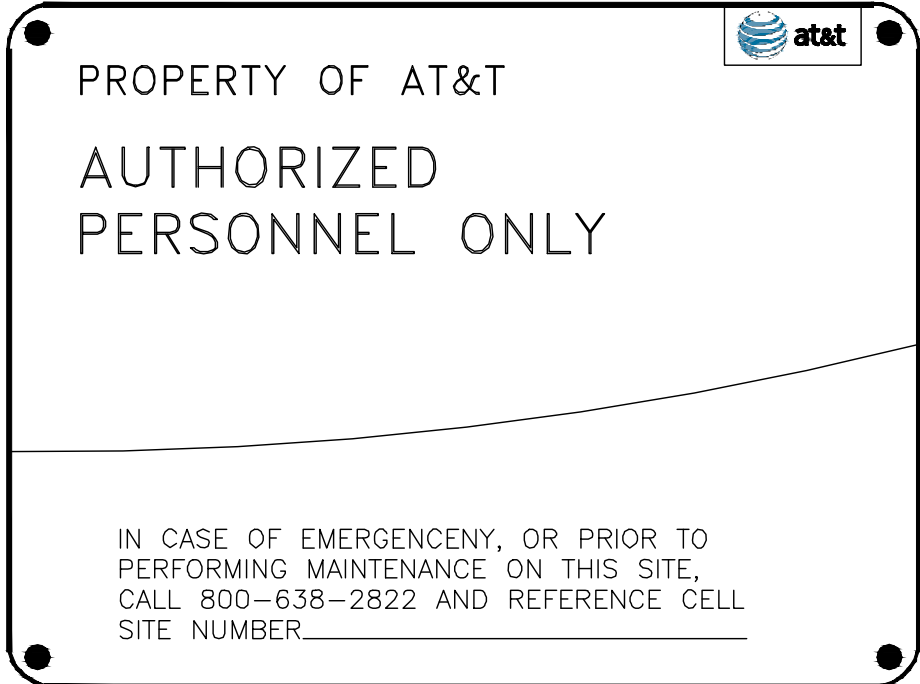
T-1



CAUTION SIGNS
NO SCALE



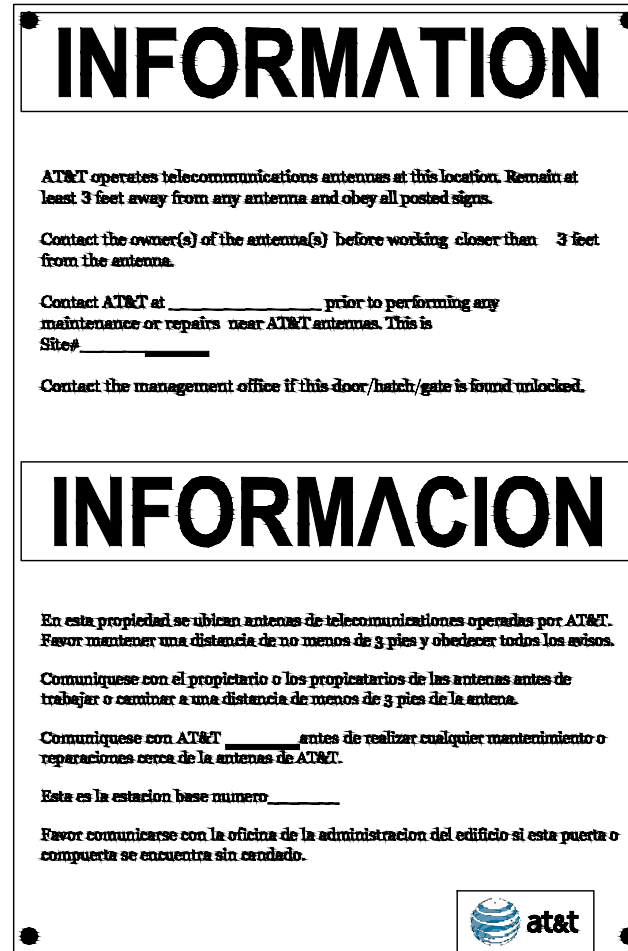
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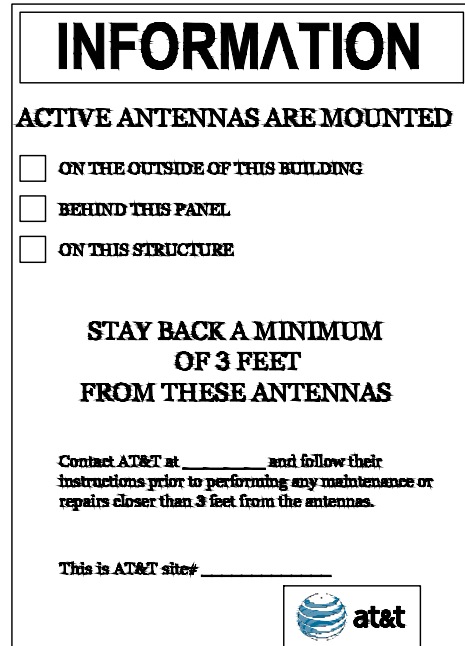
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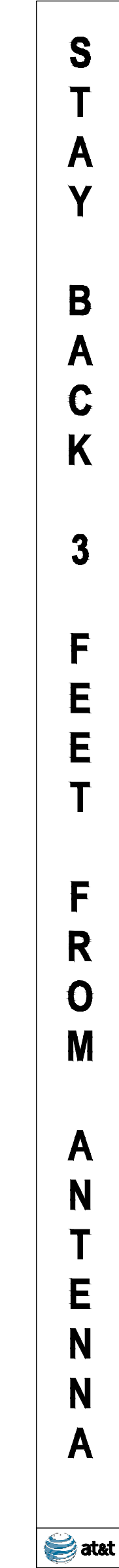
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INFO SIGN #1
NO SCALE



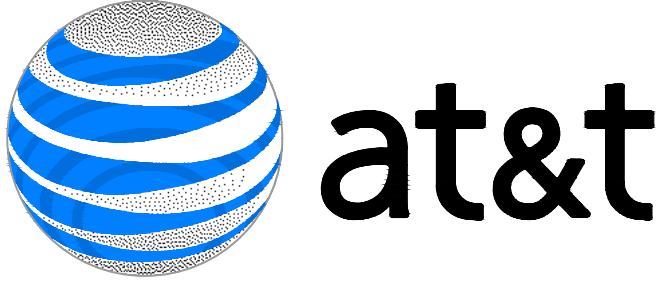
INFO SIGN #2
NO SCALE



INFO SIGN #4
NO SCALE

GENERAL SIGNAGE GUIDELINES								
STRUCTURE TYPE	INFO SIGN #1	INFO SIGN #2	INFO SIGN #3	INFO SIGN #4	INFO SIGN #5	STRIPING	NOTICE SIGN	CAUTION SIGN
TOWERS								
MONOPOLE / MONOPINE / MONOPALM / FAUX EUCALYPTUS / BROADLEAF	ENTRANCE GATES, SHELTER DOORS OR ON THE OUTDOOR CABINETS	ON THE POLE, NO LESS THAN 3FT BELOW THE ANTENNA AND NO	ON BACKSIDE OF ANTENNAS	ON THE SIDE OF ANTENNAS	ON THE SHELTER DOOR OR ON ONE OUTDOOR EQUIPMENT CABINET	--	--	AT THE HEIGHT OF THE FIRST CLIMBING STEP, MIN. 9FT ABOVE GROUND
SCE TOWERS / TOWERS WITH HIGH VOLTAGE	ENTRANCE GATES, SHELTER DOORS OR ON THE OUTDOOR CABINETS	ON THE POLE, NO LESS THAN 3FT BELOW THE ANTENNA AND NO	ON BACKSIDE OF ANTENNAS	ON THE SIDE OF ANTENNAS	ON THE SHELTER DOOR OR ON ONE OUTDOOR EQUIPMENT CABINET	--	--	AT THE HEIGHT OF THE FIRST CLIMBING STEP, MIN. 9FT ABOVE GROUND
LIGHT POLES / FLAG POLES	ENTRANCE GATES, SHELTER DOORS OR ON THE OUTDOOR CABINETS	ON THE POLE, NO LESS THAN 3FT BELOW THE ANTENNA AND NO	ON BACKSIDE OF ANTENNAS	ON THE SIDE OF ANTENNAS	ON THE SHELTER DOOR OR ON ONE OUTDOOR EQUIPMENT CABINET	--	--	--
UTILITY WOOD POLES (JPA)	ENTRANCE GATES, SHELTER DOORS OR ON THE OUTDOOR CABINETS	ON THE POLE, NO LESS THAN 3FT BELOW THE ANTENNA AND NO	ON BACKSIDE OF ANTENNAS	ON THE SIDE OF ANTENNAS	ON THE SHELTER DOOR OR ON ONE OUTDOOR EQUIPMENT CABINET	--	IF GP MAX VALUE OF MPE AT ANTENNA LEVEL IS: 0-99%: NOTICE SIGN; OVER 99%: CAUTION SIGN AT NO LESS THAN 3FT BELOW ANTENNA AND 9FT ABOVE GROUND	
MICROCELLS MOUNTED ON NON-JPA POLES	ENTRANCE GATES, SHELTER DOORS OR ON THE OUTDOOR CABINETS	ON THE POLE, NO LESS THAN 3FT BELOW THE ANTENNA AND NO	ON BACKSIDE OF ANTENNAS	ON THE SIDE OF ANTENNAS	ON THE SHELTER DOOR OR ON ONE OUTDOOR EQUIPMENT CABINET		NOTICE OR CAUTION SIGN AT NO LESS THAN 9FT ABOVE GROUND; ONLY IF THE EXPOSURE EXCEEDS 90% OF THE GENERAL PUBLIC EXPOSURE AT 6FT ABOVE GROUND	
ROOFTOPS								
AT ALL ACCESS POINTS TO THE ROOF	X							
ON ANTENNAS	X		X	X				
CONCEALED ANTENNAS	X	X						
ANTENNAS MOUNTED FACING OUTSIDE THE BUILDING	X	X						
ANTENNAS ON SUPPORT STRUCTURE	X	X						
ROOF VIEW GRAPH:								
RADIATION AREA IS WITHIN 3FT FROM ANTENNA	X	ADJACENT TO EACH ANTENNA				DIAGONAL, YELLOW STRIPING AS TO ROOF VIEW GRAPH	EITHER NOTICE OR CAUTION SIGN (BASED ON ROOFVIEW RESULTS) AT ANTENNAS/BARRIER	
RADIATION AREA IS BEYOND 3FT FROM ANTENNA	X	ADJACENT TO EACH ANTENNA						
CHURCH STEEPLES	ACCESS TO STEEPLE	ADJACENT TO ANTENNAS IF ANTENNAS ARE CONCEALED	ON BACKSIDE OF ANTENNAS	ON THE SIDE OF ANTENNAS	ON THE SHELTER DOOR OR ON ONE OUTDOOR EQUIPMENT CABINET	--	--	Caution sign at the antennas
WATER TOWERS	ACCESS TO LADDER	ADJACENT TO ANTENNAS IF ANTENNAS ARE CONCEALED	ON BACKSIDE OF ANTENNAS	ON THE SIDE OF ANTENNAS	ON THE SHELTER DOOR OR ON ONE OUTDOOR EQUIPMENT CABINET	--	--	Caution sign beside info sign #1, min. 9ft above ground
NOTES FOR ROOFTOP SITES:								
1. EITHER NOTICE OR CAUTION SIGNS NEED TO BE POSTED AT EACH SECTOR AS CLOSE AS POSSIBLE TO: THE OUTER EDGE OF THE STRIPED OFF AREA OF THE OUTER ANTENNAS OF THE SECTOR.								
2. IF ROOFVIEW SHOWS: ONLY BLUE = NOTICE SIGN, BLUE AND YELLOW = CAUTION SIGN, ONLY YELLOW = CAUTION SIGN TO BE INSTALLED.								
3. SHOULD THE REQUIRED STRIPING AREA INTERFERE WITH ANY STRUCTURES OR EQUIPMENT (A/C, VENTS, ROOF HATCH, DOORS, OTHER ANTENNAS, DISHES, ETC.).								
PLEASE NOTIFY AT&T TO MODIFY THE STRIPING AREA, PRIOR TO STARTING THE WORK.								

SIGNAGE GUIDELINES CHART



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DRAWN BY:	UTILITIES CHECKED BY:	A&E CHECKED BY:
DW/AS	GD	RB

CONSTRUCTION DRAWINGS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	04/26/24	90% CONSTRUCTION DRAWINGS
B	08/29/24	JX COMMENTS
0	03/12/24	100% CONSTRUCTION DRAWINGS

PROJECT INFORMATION

CLL05463

1700 N. TOWNE AVE.
CLAREMONT, CA 91711

SHEET TITLE

GENERAL SIGNAGE

SHEET NUMBER

T-3

STATEMENT OF SPECIAL INSPECTIONS

NO.	DESCRIPTION OF TYPE OF INSPECTION REQUIRED, LOCATION, REMARKS.	DESIGN STRENGTH	FREQUENCY
1	ANCHORS:		
	ADHESIVE AND EXPANSION ANCHORS IN CONCRETE OR MASONRY, HILTI KWIK BOLT TZ2 EXPANSION ANCHOR, PER ICC REPORT ESR-4266.		PERIODIC
	ADHESIVE AND EXPANSION ANCHORS IN CONCRETE OR MASONRY. INSPECTOR SHALL VERIFY ANCHOR TYPE, ANCHOR DIMENSIONS,		
	CONCRETE TYPE, THICKNESS AND COMPRESSIVE STRENGTH, HOLED DIMENSTIONS, HOLE CLEANING PROCEDURES, ANCHOR SPACING,		
	EDGE DISTANCES, ANCHOR EMBEDMENT, AND TIGHTENING TORQUE.		
2	CONCRETE:		
A	CONTINUOUS INSPECTION AND TEST CYLINDERS FOR STRUCTURAL CONCRETE EXCEPT FOUNDATION CONCRETE OF 2500 PSI OR LESS		CONTINUOUS
	AND SPECIFIED EXCEPTIONS PER SECTION 1705.3 (TABLE 1705.3).		
B	CONTINUOUS SPECIAL INSPECTION OF DRILLING OPERATION FOR PIER FOUNDATIONS.		
C	CONTINUOUS SPECIAL INSPECTION TO VERIFY LOCATION, PLUMBNESS, DIAMETER, AND LENGTH OF PIER FOUNDATIONS.		
D	CONTINUOUS SPECIAL INSPECTION OF ANCHOR BOLTS PRIOR TO AND DURING CONCRETE PLACEMENT.		
E	CONTINUOUS SPECIAL INSPECTION OF CONCRETE PLACEMENT.		
F	CONTINUOUS SPECIAL INSPECTION OF DRILLING OPERATION FOR PIER FOUNDATIONS.		
3	REINFORCING STEEL:		
A	PLACING OF REINFORCING PER SECTION 1705.3 (TABLE 1705.3).		
B	PERIODIC SPECIAL INSPECTION OF PLACEMENT OF REINFORCEMENT STEEL		PERIODIC
4	HIGH STRENGTH BOLTING:		
A	PERIODIC SPECIAL INSPECTION OF HIGH-STRENGTH BOLTING		PERIODIC
5	MASONRY:		
A	LEVEL 1 SPECIAL INSPECTION IS REQUIRED FOR MASONRY IN ACCORDANCE WITH CODE SECTION 1705.4.		PERIODIC
6	WELDING:		
	NO FIELD WELDING SHALL BE PERMITTED. STEEL FABRICATION SHALL BE DONE ON THE PREMISES OF A FABRICATOR REGISTERED		N/A
	AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION.		

SPECIAL INSPECTION NOTES:

1. THE SPECIAL INSPECTIONS IDENTIFIED ON PLANS ARE, IN ADDITION TO, AND NOT A SUBSTITUTE FOR, THOSE INSPECTIONS REQUIRED TO BE PERFORMED BY A CITY'S BUILDING INSPECTOR.
2. CONTINUOUS INSPECTION IS ALWAYS REQUIRED DURING THE PERFORMANCE OF THE WORK UNLESS OTHERWISE SPECIFIED. WHEN WORK IN MORE THAN ONE CATEGORY OF WORK REQUIRING SPECIAL INSPECTION IS TO BE PERFORMED SIMULTANEOUSLY, OR THE GEOGRAPHIC LOCATION OF THE WORK IS SUCH THAT IT CANNOT BE CONTINUOUSLY OBSERVED IN ACCORDANCE WITH THE PROVISIONS OF CBC SECTION 1704, IT IS THE AGENT'S RESPONSIBILITY TO EMPLOY A SUFFICIENT NUMBER OF INSPECTORS TO ASSURE THAT ALL THE WORK IS INSPECTED IN ACCORDANCE WITH THOSE PROVISIONS.
3. THE SPECIAL INSPECTORS MUST BE CERTIFIED BY THE AUTHORITY HAVING JURISDICTION, IN THE CATEGORY OF WORK REQUIRED TO HAVE SPECIAL INSPECTION.
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE SPECIAL INSPECTOR OR INSPECTION AGENCY AT LEAST ONE WORKING DAY PRIOR TO PERFORMING ANY WORK THAT REQUIRES SPECIAL INSPECTION.
5. NOTICE TO THE CONTRACTOR, BY USING THIS PERMITTED CONSTRUCTION DRAWINGS FOR CONSTRUCTION/INSTALLATION OF THE WORK SPECIFIED HEREIN, YOU AGREE TO COMPLY WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION FOR SPECIAL INSPECTIONS, STRUCTURAL OBSERVATIONS, CONSTRUCTION MATERIAL TESTING AND OFF-SITE FABRICATION OF BUILDING COMPONENTS, CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS AND, AS REQUIRED BY THE CALIFORNIA CONSTRUCTION CODES.
6. NOTICE TO THE CONTRACTOR/BUILDER/INSTALLER/SUB-CONTRACTOR/ OWNER-BUILDER: BY USING THIS PERMITTED CONSTRUCTION DRAWINGS FOR CONSTRUCTION/INSTALLATION OF THE WORK SPECIFIED HEREIN, YOU ACKNOWLEDGE AND ARE AWARE OF, THE REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS, YOU AGREE TO COMPLY WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION FOR SPECIAL INSPECTIONS, STRUCTURAL OBSERVATIONS, CONSTRUCTION MATERIAL TESTING AND OFF-SITE FABRICATION OF BUILDING COMPONENTS, CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS AND, AS REQUIRED BY THE CALIFORNIA CONSTRUCTION CODES.
7. THE CONSTRUCTION MATERIALS TESTING LABORATORY MUST BE APPROVED BY THE AUTHORITY HAVING JURISDICTION, FOR TESTING OF MATERIALS, SYSTEMS, COMPONENTS AND, EQUIPMENTS.
8. WORK REQUIRING SPECIAL INSPECTION THAT IS INSTALLED OR COVERED WITHOUT THE APPROVAL OF THE CITY INSPECTOR IS SUBJECT TO REMOVAL OR EXPOSURE AT NO COST TO THE GOVERNING JURISDICTION.



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CONSTRUCTION DRAWINGS

SUBMITTALS

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CLL05463

1700 N. TOWNE AVE.
CLAREMONT, CA 91711

SHEET TITLE

STATEMENT OF
SPECIAL
INSPECTIONS

SHEET NUMBER

T-4



APN
8303-010-043

SITE ADDRESS
1700 N. TOWNE AVE., CLAREMONT, CA 91711

TITLE REPORT

TITLE REPORT WAS PREPARED BY COMMONWEALTH LAND TITLE INSURANCE COMPANY WITH ORDER NUMBER 92017324-920-CMM-CM8 AND GUARANTEE NUMBER CA-SFXFC-IMP-81G28-1-22-92017324 DATED FEBRUARY 23, 2022.

BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE FIVE DETERMINED BY GPS OBSERVATIONS.

BENCHMARK
ELEVATIONS ARE BASED ON CRTN (CSRC) NETWORK BROADCAST COORDINATES.

FLOODZONE
SITE IS LOCATED IN FLOOD ZONE "X" AS PER F.I.R.M. MAP NO. 06037C1750F EFFECTIVE DATE 09/26/2008.

- NOTES:**
- THIS IS NOT A BOUNDARY SURVEY. THIS IS A SPECIALIZED TOPOGRAPHIC MAP. THE PROPERTY LINES AND EASEMENTS SHOWN HEREON ARE FROM RECORD INFORMATION AS NOTED HEREON. CELLSITE CONCEPTS TRANSLATED THE TOPOGRAPHIC SURVEY TO RECORD INFORMATION USING FOUND MONUMENTS SHOWN HEREON. THE LOCATION OF PROPERTY LINES SHOWN HEREON ARE APPROXIMATE AND FOR INFORMATIONAL PURPOSES ONLY. THEY ARE NOT TO BE RELIED UPON AS THE ACTUAL BOUNDARY LINES.
 - ANY CHANGES MADE TO THE INFORMATION ON THIS PLAN, WITHOUT THE WRITTEN CONSENT OF CELLSITE CONCEPTS, RELIEVES CELLSITE CONCEPTS OF ANY AND ALL LIABILITY.
 - THE HEIGHTS AND ELEVATIONS FOR THE TREES, BUSHES AND OTHER LIVING PLANTS SHOWN HEREON, SHOULD BE CONSIDERED APPROXIMATE (+/-) AND ONLY FOR THE DATE OF THIS SURVEY. THEY ARE PROVIDED AS A GENERAL REFERENCE AND SHOULD NOT BE USED FOR DESIGN PURPOSES.
 - WRITTEN DIMENSIONS SHALL TAKE PREFERENCE OVER SCALED & SHALL BE VERIFIED ON THE JOB SITE. ANY DISCREPANCY SHALL BE BROUGHT TO THE NOTICE OF THE SURVEYOR PRIOR TO COMMENCEMENT OF ANY WORK.
 - FIELD SURVEY COMPLETED ON FEBRUARY 23, 2022.

LEGAL DESCRIPTION
ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE CITY OF CLAREMONT, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

PARCEL 2 OF PARCEL MAP NO. 14693, IN THE CITY OF CLAREMONT, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER PLAT RECORDED IN BOOK 151, PAGES 19 AND 20 OF PARCEL MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

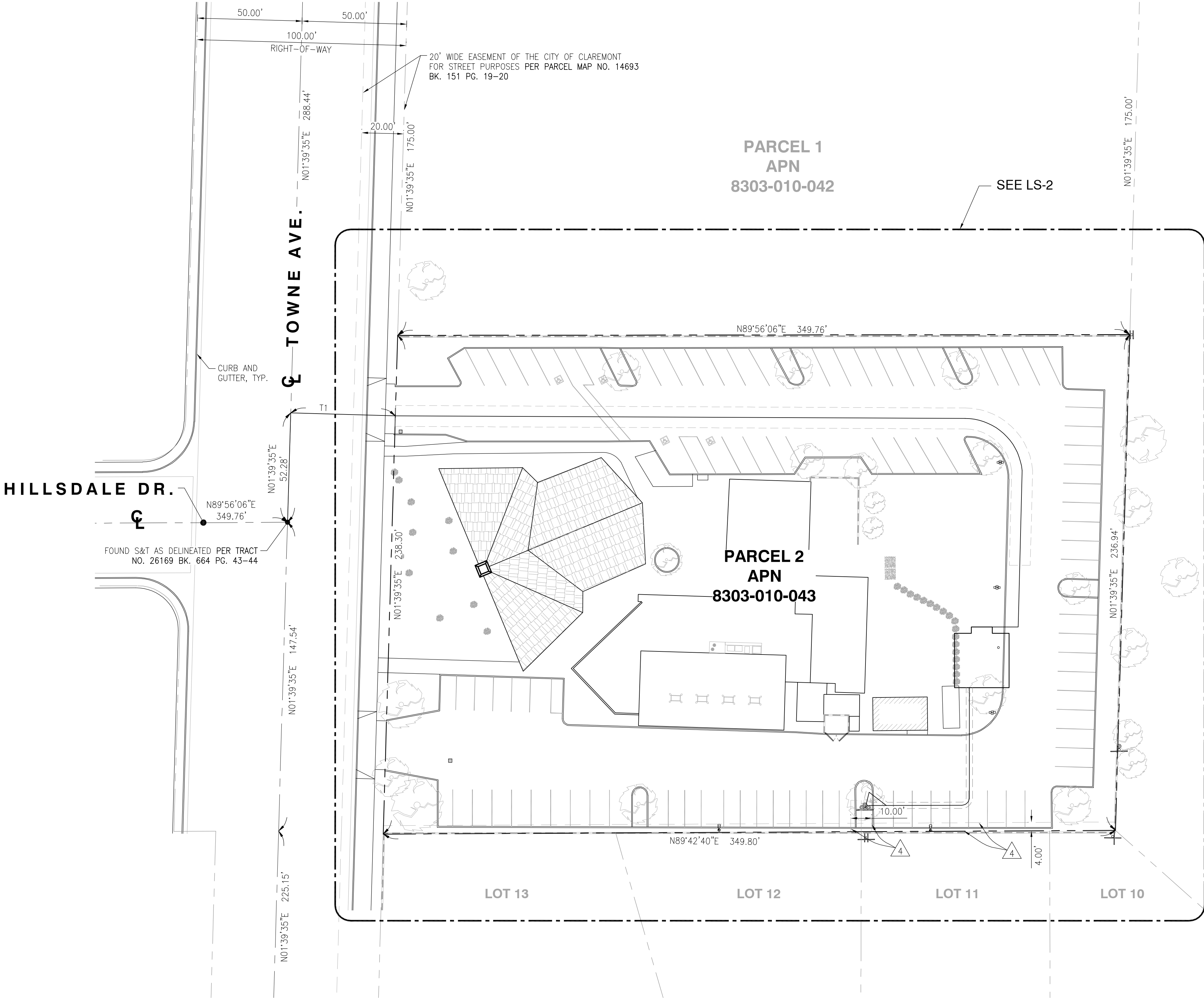
APN: 8303-010-043

SCHEDULE B (EXCEPTIONS)
ITEMS A & B ARE TAX RELATED
ITEMS C & D ARE LIENS RELATED
ITEM 1 & 7 ARE RIGHTS RELATED
ITEM 5 IS DEEDS RELATED
ITEM 6 IS ADVISORY RELATED

EASEMENTS:
ITEM 2, & 3 ARE NOT PLOTTED. THE EXACT LOCATION AND EXTENT OF SAID EASEMENT ARE NOT DISCLOSED OF RECORD.

- 4 EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO AS SET FORTH IN A DOCUMENT:
PURPOSE: PUBLIC UTILITIES
RECORDING DATE: MAY 20, 1966
RECORDING NO: 4247 OF OFFICIAL RECORDS
AFFECTS: A PORTION OF SAID LAND

PROPERTY LINES DERIVED FROM
PARCEL MAP NO. 14693 BK. 151 PG. 19-20 DATED APRIL 09, 1982
TRACT NO. 26169 BK. 664 PG. 43-44 DATED DECEMBER 07, 1960
TRACT NO. 22450 BK. 720 PG. 97-99 DATED APRIL 28, 1964



LINE TABLE		
NO.	LENGTH	BEARING
T1	50.00'	S88°20'25"E

LEGENDS

--- CENTER LINE
--- PROPERTY LINE
--- EASEMENT LINE



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TEL: (949) 553-8566
www.eukongroup.com



REV	DATE	DESCRIPTION
6	04/07/2025	REVISED LEGAL DESCRIPTION
5	04/24/2023	REVISED LEASE AREA LOCATION
4	02/10/2023	LEGAL DESCRIPTION UPDATE
3	12/19/2022	ADDITIONAL SURVEY POINTS
2	04/11/2022	FINAL SURVEY
1	03/02/2022	PRELIMINARY SURVEY

ISSUED DATE: APRIL 07, 2025

ISSUED FOR: FINAL SURVEY

LICENSURE:



PROJECT INFORMATION: CLL05463
1700 N. TOWNE AVE.,
CLAREMONT, CA 91711

DRAWN BY: KF
CHECKED BY: RH

SHEET TITLE: TOPOGRAPHIC SURVEY

SHEET NUMBER: LS-1

LEGENDS

	CENTER LINE
	PROPERTY LINE
	EASEMENT LINE
	CMU WALL
	FLOW LINE
	EXISTING GRADE
	TOP OF CURB
	LIP OF GUTTER
	FINISH SURFACE
	TOP OF TREE
	TOP OF UTILITY POLE
	TOP OF LIGHT POLE
	TOP OF ROOF
	TOP OF CROSS
	UTILITY POLE
	UTILITY POLE
	TREE
	BUSH

COORDINATES

NEW AT&T FAUX-EUCALYPTUS

LATITUDE: 34°06'52.80"N
(34.114667)
LONGITUDE: 117°44'08.43"W
(-117.735675)

NEW AT&T EQUIPMENT LEASE AREA

LATITUDE: 34°06'52.91"N
(34.114697)
LONGITUDE: 117°44'08.43"W
(-117.735675)

TIE LINE TABLE		
NO.	LENGTH	BEARING
T2	12.35'	N90°00'00"W

ACCESS ROUTE CURVE TABLE			
NO.	DELTA	RADIUS	ARC LENGTH
A1	84°23'15"	27.49'	40.49'

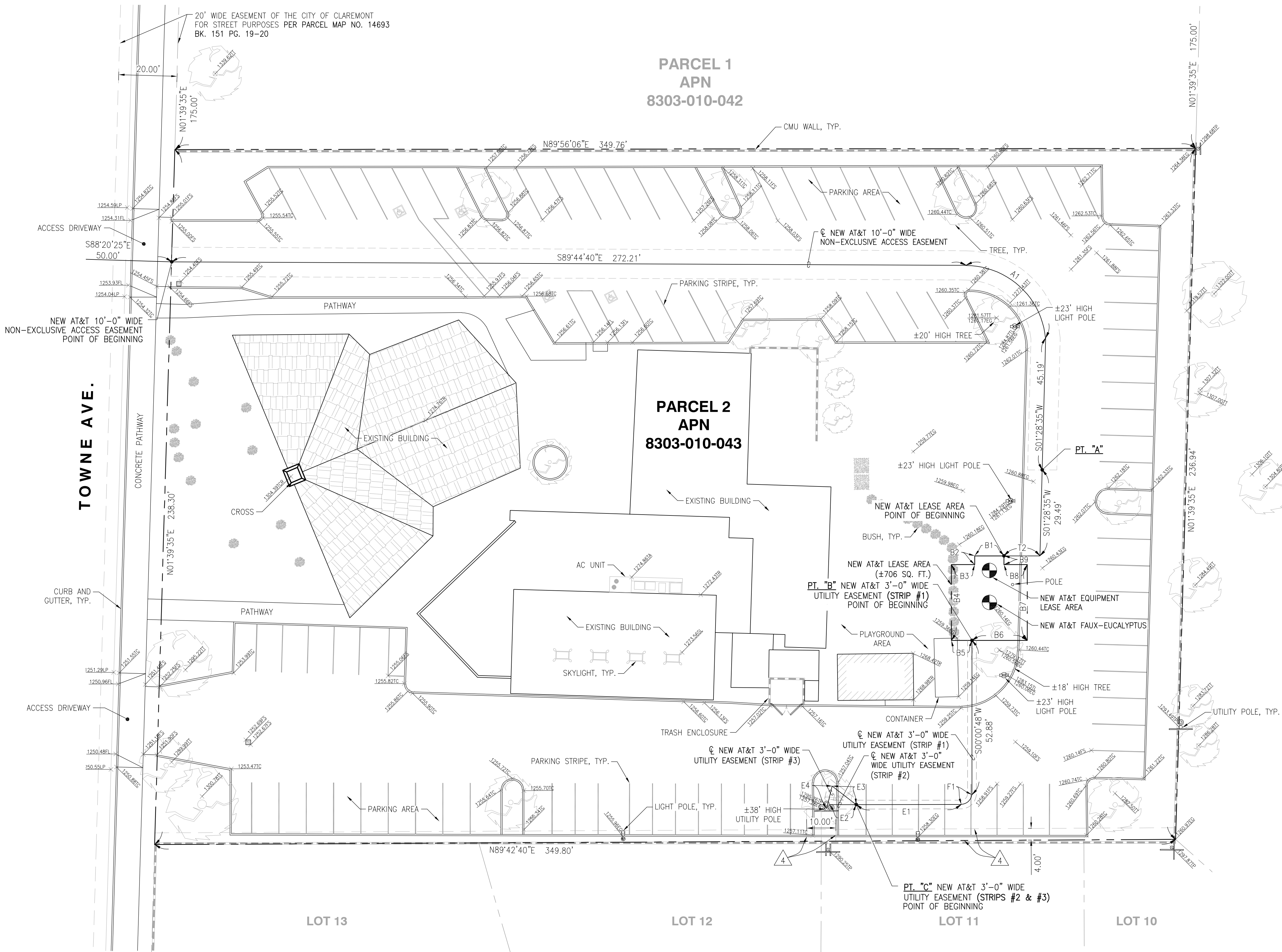
LEASE AREA LINE TABLE		
NO.	LENGTH	BEARING
B1	10.00'	N90°00'00"W
B2	3.00'	S00°00'00"W
B3	8.00'	N90°00'00"W
B4	26.00'	S00°00'00"W
B5	7.04'	S90°00'00"E
B6	18.96'	S90°00'00"E
B7	26.00'	N00°00'00"E
B8	8.00'	N90°00'00"W
B9	3.00'	N00°00'00"E

UTILITY EASEMENT LINE TABLE		
NO.	LENGTH	BEARING
E1	36.00'	S89°56'05"W
E2	9.14'	S90°00'00"W
E3	10.36'	N52°15'49"W
E4	7.99'	S13°53'41"W

UTILITY EASEMENT CURVE TABLE			
NO.	DELTA	RADIUS	ARC LENGTH
F1	84°06'20"	3.71'	5.45'

PROPERTY LINES DERIVED FROM
PARCEL MAP NO. 14693 BK. 151 PG. 19-20
TRACT NO. 26169 BK. 664 PG. 43-44
TRACT NO. 22450 BK. 720 PG. 97-99

DATED APRIL 09, 1982
DATED DECEMBER 07, 1960
DATED APRIL 28, 1964



1452 EDINGER AVENUE
TUSTIN, CA 92780



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REV	DATE	DESCRIPTION
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ISSUED DATE:

APRIL 07, 2025

ISSUED FOR:

FINAL SURVEY

LICENSURE:



PROJECT INFORMATION:

CLL05463

1700 N. TOWNE AVE.,
CLAREMONT, CA 91711

DRAWN BY:

KF

CHECKED BY:

RH

SHEET TITLE:

TOPOGRAPHIC
SURVEY

SHEET NUMBER:

LS-2

10 FEET WIDE NON-EXCLUSIVE ACCESS EASEMENT CENTERLINE DESCRIPTION:

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE CITY OF CLAREMONT, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

PARCEL 2, IN THE CITY OF CLAREMONT, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS SHOWN ON PLAT RECORD OF IN BOOK 151, PAGE 19 AND 20 OF PARCEL MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

A STRIP OF LAND FOR NON-EXCLUSIVE ACCESS EASEMENT PURPOSES FOR THE LAND REFERRED TO HEREIN SITUATED IN THE CITY OF CLAREMONT, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

AN EASEMENT TEN (10.00) FEET IN WIDTH LYING FIVE (5.00) FEET ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE TO WIT:

COMMENCING AT THE CENTERLINE INTERSECTION OF TOWNE AVENUE AND HILLSDALE DRIVE, AS SHOWN ON THAT TRACT NO. 26169 AS PER MAP FILED IN BOOK 664 PAGES 43 THROUGH 44 OF MAPS IN THE OFFICE OF THE COUNTY RECORDER OF LOS ANGELES COUNTY; THENCE NORTHERLY ALONG THE SAID CENTERLINE OF TOWNE AVENUE, NORTH 01°39'35" EAST A DISTANCE OF 52.28 FEET; THENCE EASTERLY LEAVING SAID CENTERLINE OF TOWNE AVENUE, SOUTH 88°20'25" EAST A DISTANCE OF 50.00 FEET TO THE WESTERLY LINE OF SAID PARCEL 2, ALSO BEING THE POINT OF BEGINNING OF THIS CENTERLINE DESCRIPTION;

THENCE LEAVING SAID WESTERLY LINE OF SAID PARCEL 2, SOUTH 89°44'40" EAST A DISTANCE OF 272.21 FEET TO THE BEGINNING OF A TANGENT CURVE CONCAVE TO THE SOUTHWEST HAVING A RADIUS OF 27.49 FEET; THENCE SOUTHEASTERLY, 40.49 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 84°23'15"; THENCE SOUTH 01°28'35" WEST A DISTANCE OF 45.19 FEET TO A POINT REFERRED TO HEREINAFTER AS POINT "A" ALSO BEING THE TERMINUS POINT OF THIS CENTERLINE DESCRIPTION.

THE SIDE LINES OF SAID TEN (10.00) FEET WIDE ACCESS EASEMENT IS TO BE EXTENDED AND/OR SHORTENED TO TERMINATE IN THE LANDS OF THE GRANTOR AND SHALL BE JOINED AT ALL ANGLE POINTS.

SUBJECT TO ALL EASEMENTS AND/OR RIGHT-OF-WAY RECORDS.

SEE NON-EXCLUSIVE ACCESS EASEMENT ON SHEET LS-2.

NEW AT&T LEASE AREA DESCRIPTION

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE CITY OF CLAREMONT, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

PARCEL 2, IN THE CITY OF CLAREMONT, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS SHOWN ON PLAT RECORD OF IN BOOK 151, PAGE 19 AND 20 OF PARCEL MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

A STRIP OF LAND FOR AT&T LEASE AREA PURPOSES FOR THE LAND REFERRED TO HEREIN SITUATED IN THE CITY OF CLAREMONT, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS TO WIT:

BEGINNING AT SAID POINT "A";
THENCE SOUTH 01°28'35" WEST, A DISTANCE OF 29.49 FEET;
THENCE NORTH 90°00'00" WEST, A DISTANCE OF 12.35 FEET TO THE POINT OF BEGINNING OF THIS NEW AT&T LEASE AREA DESCRIPTION;
THENCE NORTH 90°00'00" WEST, A DISTANCE OF 10.00 FEET;
THENCE SOUTH 00°00'00" WEST, A DISTANCE OF 3.00 FEET;
THENCE NORTH 90°00'00" WEST, A DISTANCE OF 8.00 FEET;
THENCE SOUTH 00°00'00" WEST, A DISTANCE OF 26.00 FEET;
THENCE SOUTH 90°00'00" EAST, A DISTANCE OF 7.04 FEET TO A POINT REFERRED TO HEREINAFTER AS POINT "B";
THENCE SOUTH 90°00'00" EAST, A DISTANCE OF 18.96 FEET;
THENCE NORTH 00°00'00" EAST, A DISTANCE OF 26.00 FEET;
THENCE NORTH 90°00'00" WEST, A DISTANCE OF 8.00 FEET;
THENCE NORTH 00°00'00" EAST, A DISTANCE OF 3.00 FEET TO THE POINT OF BEGINNING OF THIS NEW AT&T LEASE AREA DESCRIPTION.

CONTAINING 706 SQUARE FEET MORE OR LESS.

SUBJECT TO ALL EASEMENTS AND/OR RIGHT-OF-WAY RECORDS.

SEE NEW AT&T LEASE AREA ON SHEET LS-2.

3 FEET WIDE UTILITY EASEMENT CENTERLINE DESCRIPTION (STRIP #1):

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE CITY OF CLAREMONT, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

PARCEL 2, IN THE CITY OF CLAREMONT, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS SHOWN ON PLAT RECORD OF IN BOOK 151, PAGE 19 AND 20 OF PARCEL MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

A STRIP OF LAND FOR UTILITY EASEMENT PURPOSES FOR THE LAND REFERRED TO HEREIN SITUATED IN THE CITY OF CLAREMONT, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA AND IS DESCRIBED AS FOLLOWS:

AN EASEMENT FOR FIBER AND POWER UTILITIES THREE (3.00) FEET IN WIDTH LYING ONE AND A HALF (1.50) FEET ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE TO WIT:

BEGINNING AT SAID POINT "B";
THENCE SOUTH 00°00'48" WEST, A DISTANCE OF 52.88 FEET TO THE BEGINNING OF A NON-TANGENT CURVE CONCAVE TO THE NORTHWEST HAVING A RADIUS OF 3.71 FEET AND TO WHICH SAID BEGINNING A RADIAL LINE BEARS SOUTH 84°21'27" EAST; THENCE SOUTHWESTERLY, 5.45 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 84°06'20"; THENCE SOUTH 89°56'05" WEST, A DISTANCE OF 36.00 FEET TO A POINT REFERRED TO HEREINAFTER AS POINT "C", ALSO BEING THE TERMINUS POINT OF THIS CENTERLINE DESCRIPTION.

THE SIDE LINES OF SAID THREE (3.00) FEET WIDE UTILITY EASEMENT IS TO BE EXTENDED AND/OR SHORTENED TO TERMINATE IN THE LANDS OF THE GRANTOR AND SHALL BE JOINED AT ALL ANGLE POINTS.

SUBJECT TO ALL EASEMENTS AND/OR RIGHT-OF-WAY RECORDS.

SEE UTILITY EASEMENT (STRIP #1) ON SHEET LS-2.

3 FEET WIDE UTILITY EASEMENT CENTERLINE DESCRIPTION (STRIP #2):

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE CITY OF CLAREMONT, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

PARCEL 2, IN THE CITY OF CLAREMONT, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS SHOWN ON PLAT RECORD OF IN BOOK 151, PAGE 19 AND 20 OF PARCEL MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

A STRIP OF LAND FOR UTILITY EASEMENT PURPOSES FOR THE LAND REFERRED TO HEREIN SITUATED IN THE CITY OF CLAREMONT, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA AND IS DESCRIBED AS FOLLOWS:

AN EASEMENT FOR POWER UTILITIES THREE (3.00) FEET IN WIDTH LYING ONE AND A HALF (1.50) FEET ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE TO WIT:

BEGINNING AT SAID POINT "C";
THENCE SOUTH 90°00'00" WEST, A DISTANCE OF 9.14 FEET TO THE TERMINUS POINT OF THIS CENTERLINE DESCRIPTION.

THE SIDE LINES OF SAID THREE (3.00) FEET WIDE UTILITY EASEMENT IS TO BE EXTENDED AND/OR SHORTENED TO TERMINATE IN THE LANDS OF THE GRANTOR AND SHALL BE JOINED AT ALL ANGLE POINTS.

SUBJECT TO ALL EASEMENTS AND/OR RIGHT-OF-WAY RECORDS.

SEE UTILITY EASEMENT (STRIP #2) ON SHEET LS-2.

3 FEET WIDE UTILITY EASEMENT CENTERLINE DESCRIPTION (STRIP #3):

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE CITY OF CLAREMONT, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

PARCEL 2, IN THE CITY OF CLAREMONT, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS SHOWN ON PLAT RECORD OF IN BOOK 151, PAGE 19 AND 20 OF PARCEL MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

A STRIP OF LAND FOR UTILITY EASEMENT PURPOSES FOR THE LAND REFERRED TO HEREIN SITUATED IN THE CITY OF CLAREMONT, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA AND IS DESCRIBED AS FOLLOWS:

AN EASEMENT FOR FIBER UTILITIES THREE (3.00) FEET IN WIDTH LYING ONE AND A HALF (1.50) FEET ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE TO WIT:

BEGINNING AT SAID POINT "C";
THENCE NORTH 52°15'49" WEST, A DISTANCE OF 10.36 FEET;
THENCE SOUTH 13°53'41" WEST, A DISTANCE OF 7.99 FEET TO THE TERMINUS POINT OF THIS CENTERLINE DESCRIPTION.

THE SIDE LINES OF SAID THREE (3.00) FEET WIDE UTILITY EASEMENT IS TO BE EXTENDED AND/OR SHORTENED TO TERMINATE IN THE LANDS OF THE GRANTOR AND SHALL BE JOINED AT ALL ANGLE POINTS.

SUBJECT TO ALL EASEMENTS AND/OR RIGHT-OF-WAY RECORDS.

SEE UTILITY EASEMENT (STRIP #3) ON SHEET LS-2.



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SAN DIEGO, CA 92127
tel: (858) 432-4112 / (858) 432-4257

6	04/07/2025	REVISED LEGAL DESCRIPTION
5	04/24/2023	REVISED LEASE AREA LOCATION
4	02/10/2023	LEGAL DESCRIPTION UPDATE
3	12/19/2022	ADDITIONAL SURVEY POINTS
2	04/11/2022	FINAL SURVEY
1	03/02/2022	PRELIMINARY SURVEY
REV	DATE	DESCRIPTION

ISSUED DATE:

APRIL 07, 2025

ISSUED FOR:

FINAL SURVEY

LICENSURE:



PROJECT INFORMATION:

CLL05463

1700 N. TOWNE AVE.,
CLAREMONT, CA 91711

DRAWN BY:

KF

CHECKED BY:

RH

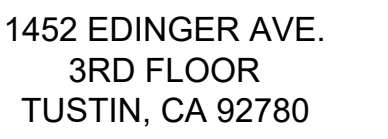
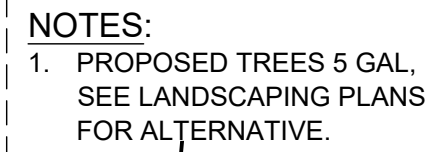
SHEET TITLE:

TOPOGRAPHIC
SURVEY

SHEET NUMBER:

LS-3

1. THIS SITE PLAN IS NOT INTENDED TO BE A LAND SURVEY.



IT IS A VIOLATION OF LAW FOR ANY PERSON,
UNLESS THEY ARE ACTING UNDER THE DIRECTION
OF THE LICENSED PROFESSIONAL ENGINEER,
TO ALTER THIS DOCUMENT.

CONSTRUCTION DRAWINGS

PROJECT INFORMATION

1700 N. TOWNE AVE.
CLAREMONT, CA 91711

SITE PLAN

A-1

SITE PLAN

$$1'' = 20' - 0''$$


NOTES:
1. THIS SITE PLAN IS NOT INTENDED
TO BE A LAND SURVEY.

NOTES:
1. PROPOSED TREES 5 GAL.
SEE LANDSCAPING PLANS
FOR ALTERNATIVE.



1452 EDINGER AVE.
3RD FLOOR
TUSTIN, CA 92780



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NOT FOR
CONSTRUCTION

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TO ALTER THIS DOCUMENT.

DRAWN BY:	UTILITIES CHECKED BY:	A&E CHECKED BY:
DW/AS	GD	RB

CONSTRUCTION DRAWINGS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	04/26/24	90% CONSTRUCTION DRAWINGS
B	08/29/24	JX COMMENTS
0	03/12/24	100% CONSTRUCTION DRAWINGS

PROJECT INFORMATION

CLL05463

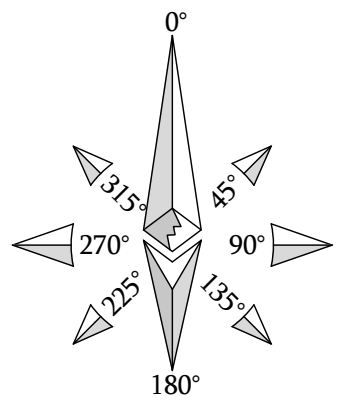
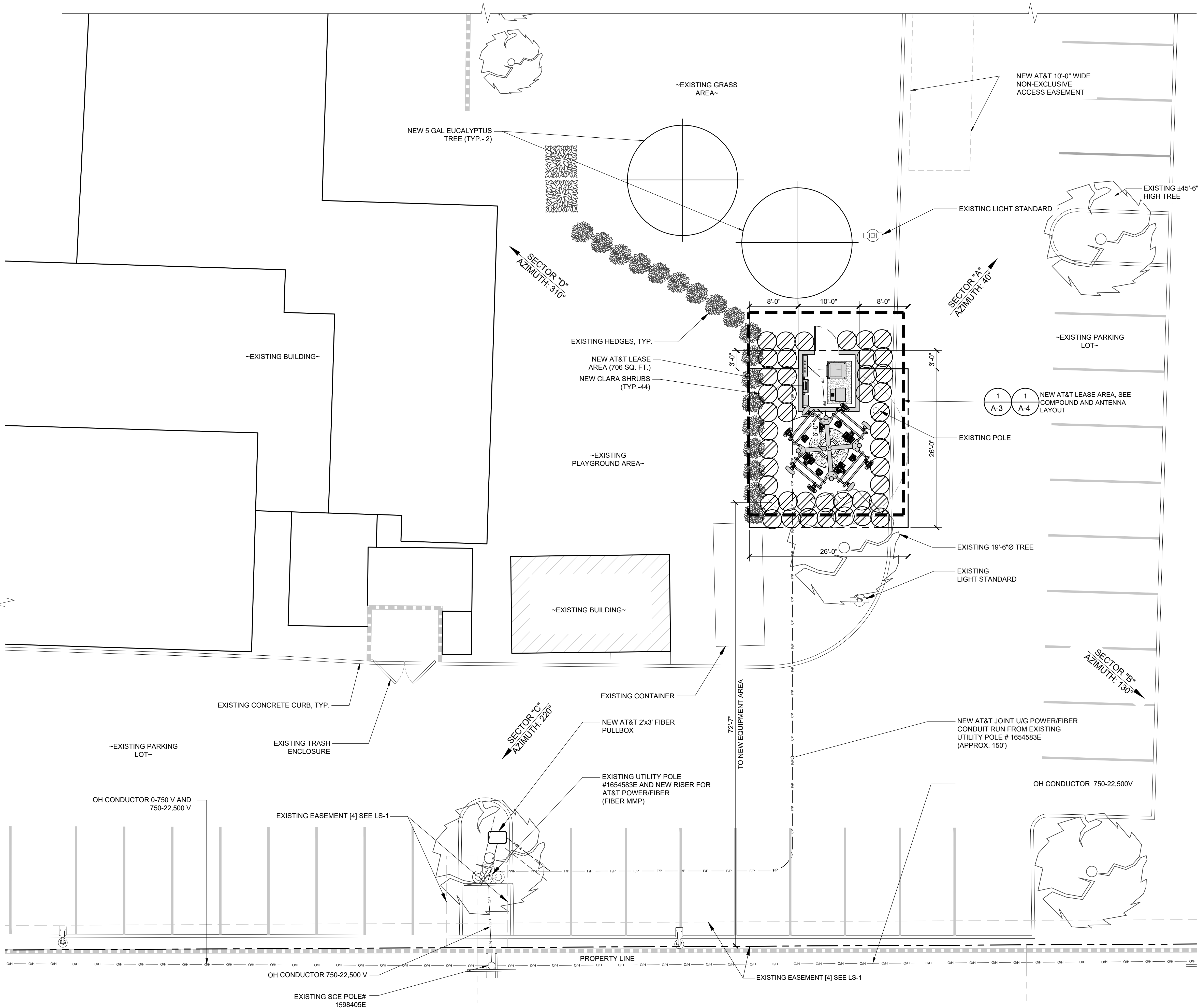
1700 N. TOWNE AVE.
CLAREMONT, CA 91711

SHEET TITLE

ENLARGED
SITE PLAN

SHEET NUMBER

A-1.1

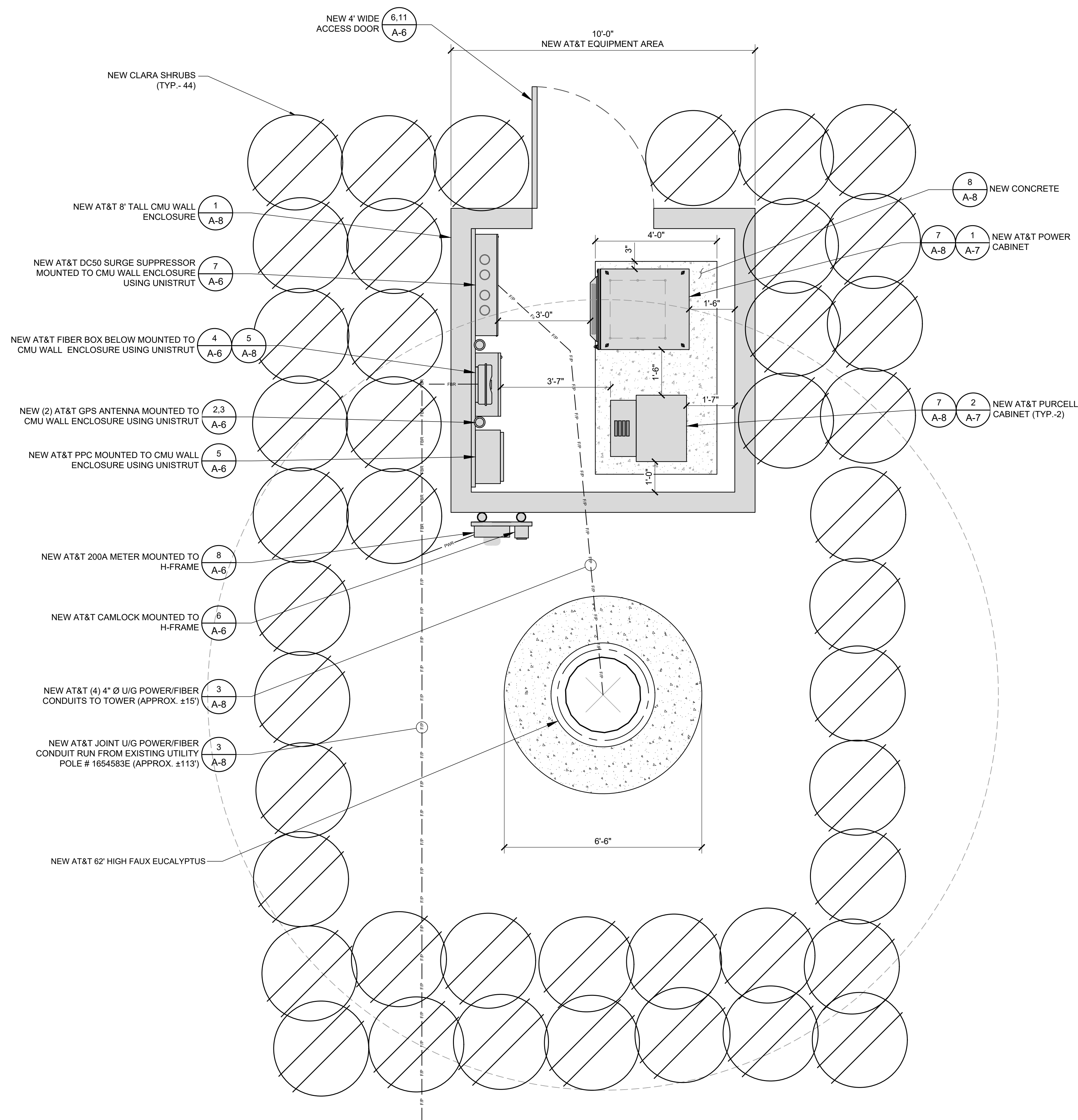


SCALE	8'	0	4'	8'	16'	32'
1/8"=1'-0"						

1

EUKON AT&T_90CD_MONOPOLE_TEMPLATE_V2_11-18-22

EQUIPMENT PLAN



NOTES:
1. PROPOSED TREES 5 GAL.
SEE LANDSCAPING PLANS
FOR ALTERNATIVE.



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DRAWN BY:	UTILITIES CHECKED BY:	A&E CHECKED BY:
DW/AS	GD	RB

CONSTRUCTION
DRAWINGS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	04/26/24	90% CONSTRUCTION DRAWINGS
B	08/29/24	JX COMMENTS
0	03/12/24	100% CONSTRUCTION DRAWINGS

PROJECT INFORMATION

CLL05463

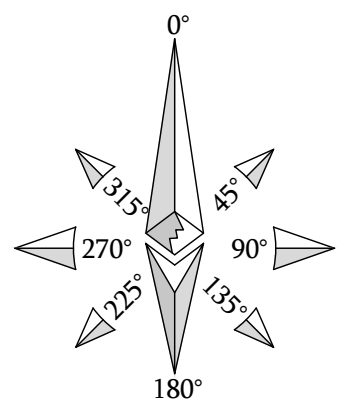
1700 N. TOWNE AVE.
CLAREMONT, CA 91711

SHEET TITLE

EQUIPMENT PLAN

SHEET NUMBER

A-2

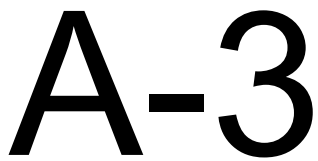
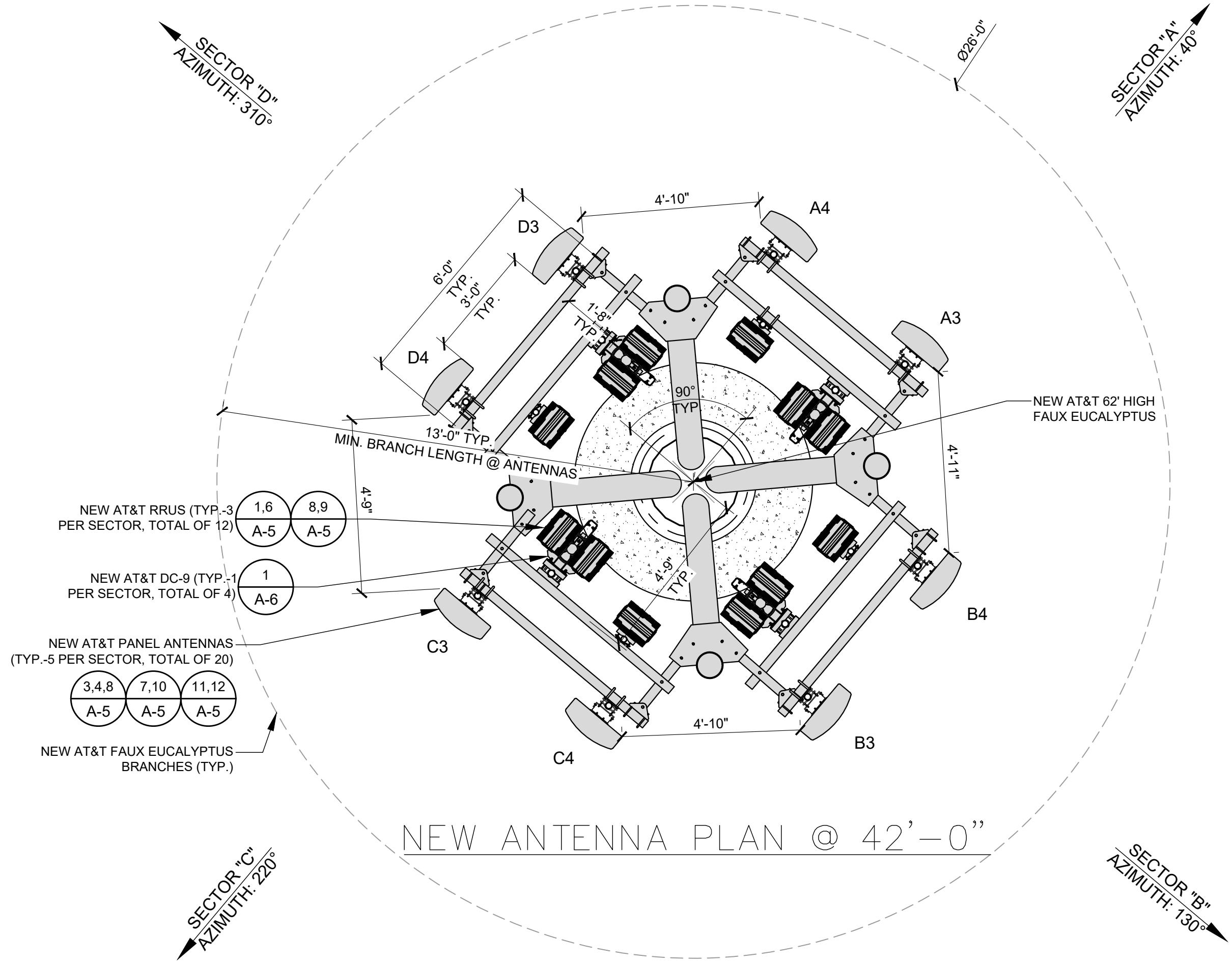


SCALE	2'	0	1'	2'	4'	8'
1/2"=1'-0"						

	SURGE SUPPRESSION SYSTEM			
SYSTEM	MANUFACTURER	PART NUMBER	QTY	LOCATION
	RAYCAP	DC50-48-60-96-50F	1	MOUNTED INSIDE CMU WALL ENCLOSURE
	RAYCAP	DC9-48-60-24-8C-EV	4	MOUNTED AT FAUX EUCALYPTUS TOWER

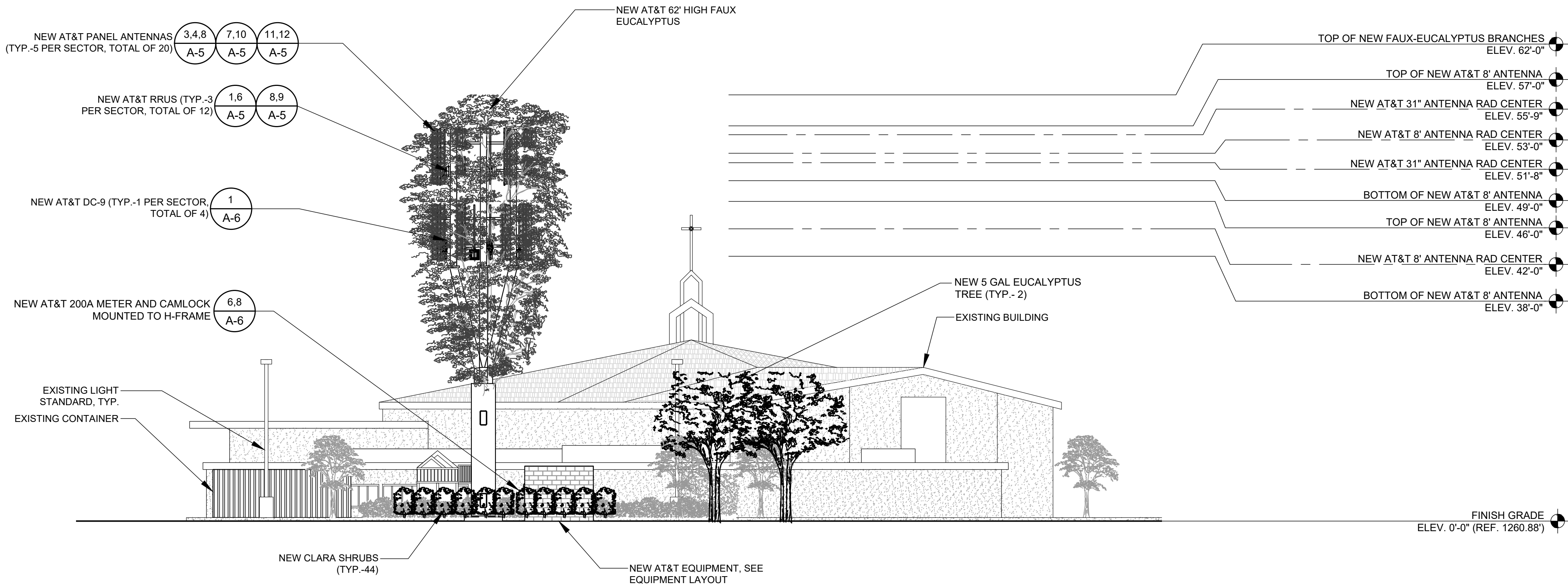
NOTES:

1. ALL ANTENNAS TO BE EQUIPPED WITH FRP SOCKS.
2. ALL ANTENNAS, SURGE SUPPRESSOR AND HARDWARE TO BE PAINTED GREEN TO MATCH NEW BRANCHES.

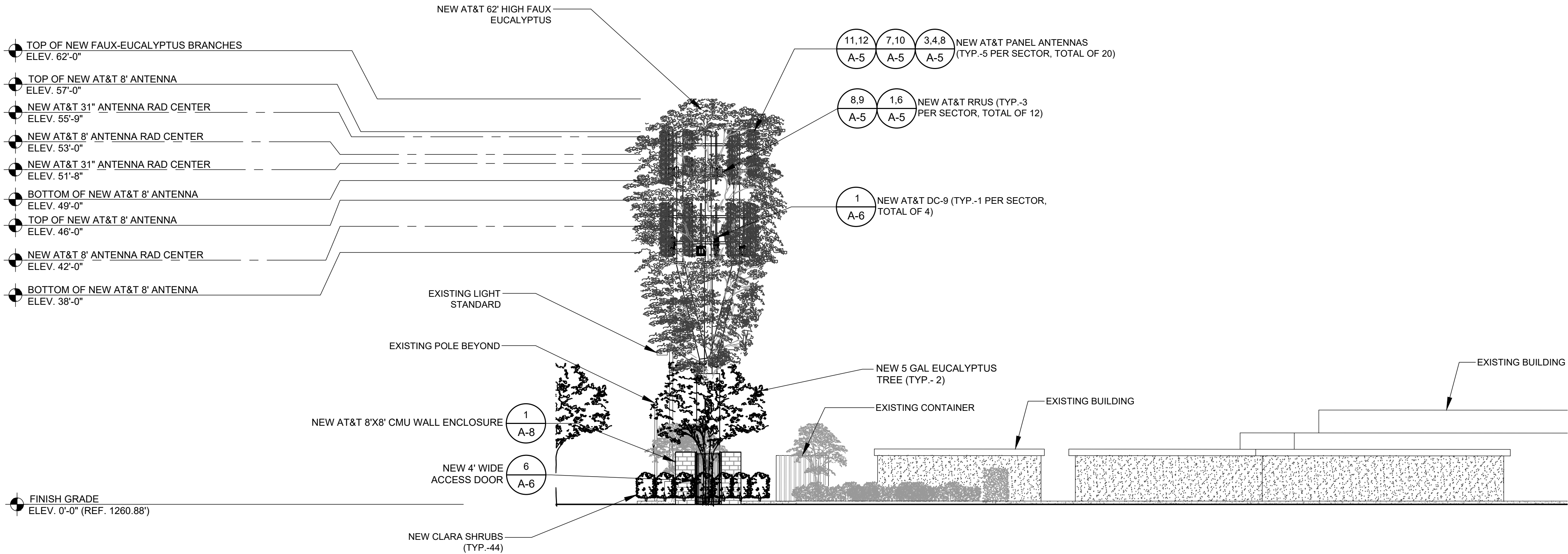
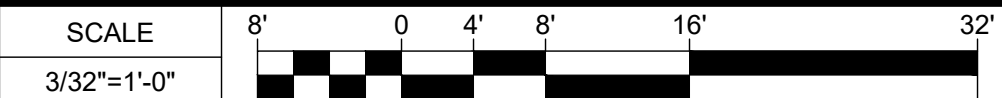


- NOTES:
1. TOWER TO BE PAINTED AND TEXTURED TO MATCH EXISTING BUILDING.
 2. PER CITY REQUIREMENT, ALL ARCHITECTURE FEATURES TO TIE INTO EXISTING CHURCH BUILDING AND WILL NOT HOUSE ANY EQUIPMENT.
 3. ALL ANTENNAS TO BE EQUIPPED WITH FRP SOCKS.
 4. ALL ANTENNAS, SURGE SUPPRESSOR AND HARDWARE TO BE PAINTED GREEN TO MATCH NEW BRANCHES.

- NOTES:
1. PROPOSED TREES 5 GAL. SEE LANDSCAPING PLANS FOR ALTERNATIVE.



NEW EAST ELEVATION



NEW NORTH ELEVATION



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TO ALTER THIS DOCUMENT.

DRAWN BY:	UTILITIES CHECKED BY:	A&E CHECKED BY:
DW/AS	GD	RB

CONSTRUCTION DRAWINGS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	04/26/24	90% CONSTRUCTION DRAWINGS
B	08/29/24	JX COMMENTS
0	03/12/24	100% CONSTRUCTION DRAWINGS

PROJECT INFORMATION

CLL05463

1700 N. TOWNE AVE.
CLAREMONT, CA 91711

SHEET TITLE NEW EAST AND NORTH ELEVATIONS

SHEET NUMBER

A-4

- NOTES:
1. TOWER TO BE PAINTED AND TEXTURED TO MATCH EXISTING BUILDING.
 2. PER CITY REQUIREMENT, ALL ARCHITECTURE FEATURES TO TIE INTO EXISTING CHURCH BUILDING AND WILL NOT HOUSE ANY EQUIPMENT.
 3. ALL ANTENNAS TO BE EQUIPPED WITH FRP SOCKS.
 4. ALL ANTENNAS, SURGE SUPPRESSOR AND HARDWARE TO BE PAINTED GREEN TO MATCH NEW BRANCHES.

- NOTES:
1. PROPOSED TREES 5 GAL. SEE LANDSCAPING PLANS FOR ALTERNATIVE.



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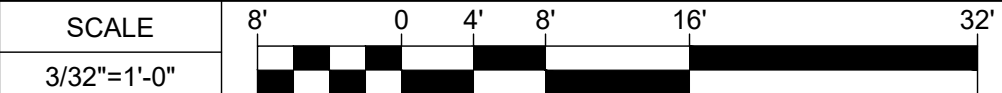


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TO ALTER THIS DOCUMENT.

NEW SOUTH ELEVATION



2

DRAWN BY:	UTILITIES CHECKED BY:	A&E CHECKED BY:
DW/AS	GD	RB

CONSTRUCTION
DRAWINGS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	04/26/24	90% CONSTRUCTION DRAWINGS
B	08/29/24	JX COMMENTS
0	03/12/24	100% CONSTRUCTION DRAWINGS

PROJECT INFORMATION

CLL05463

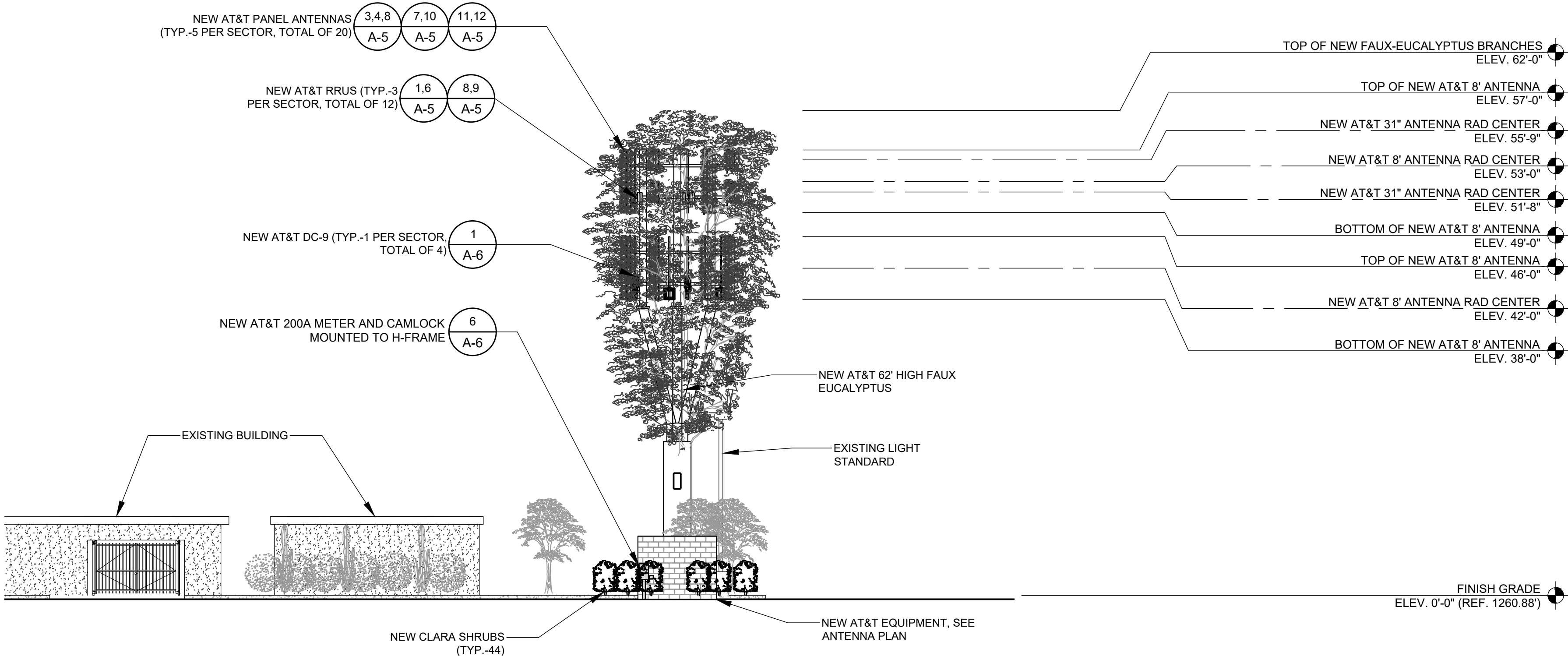
1700 N. TOWNE AVE.
CLAREMONT, CA 91711

SHEET TITLE

NEW WEST AND
SOUTH ELEVATIONS

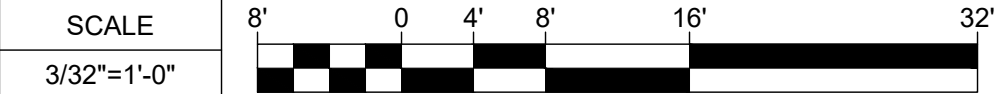
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A-4.1

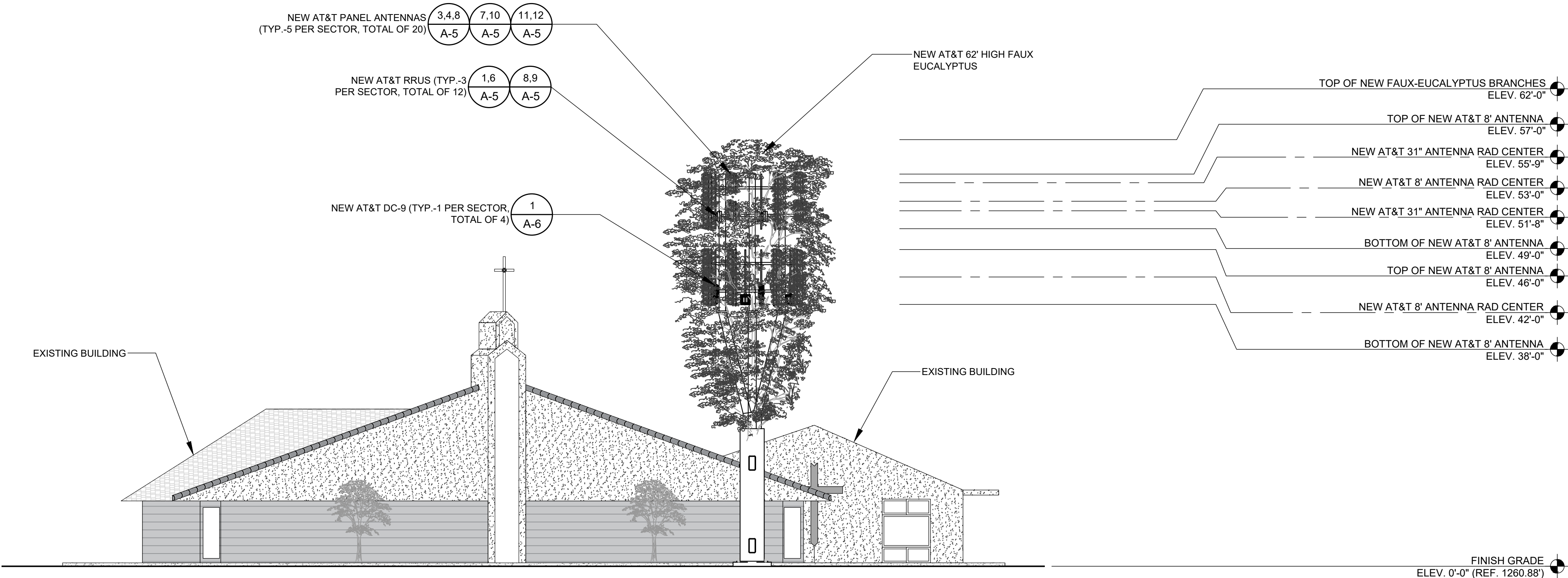


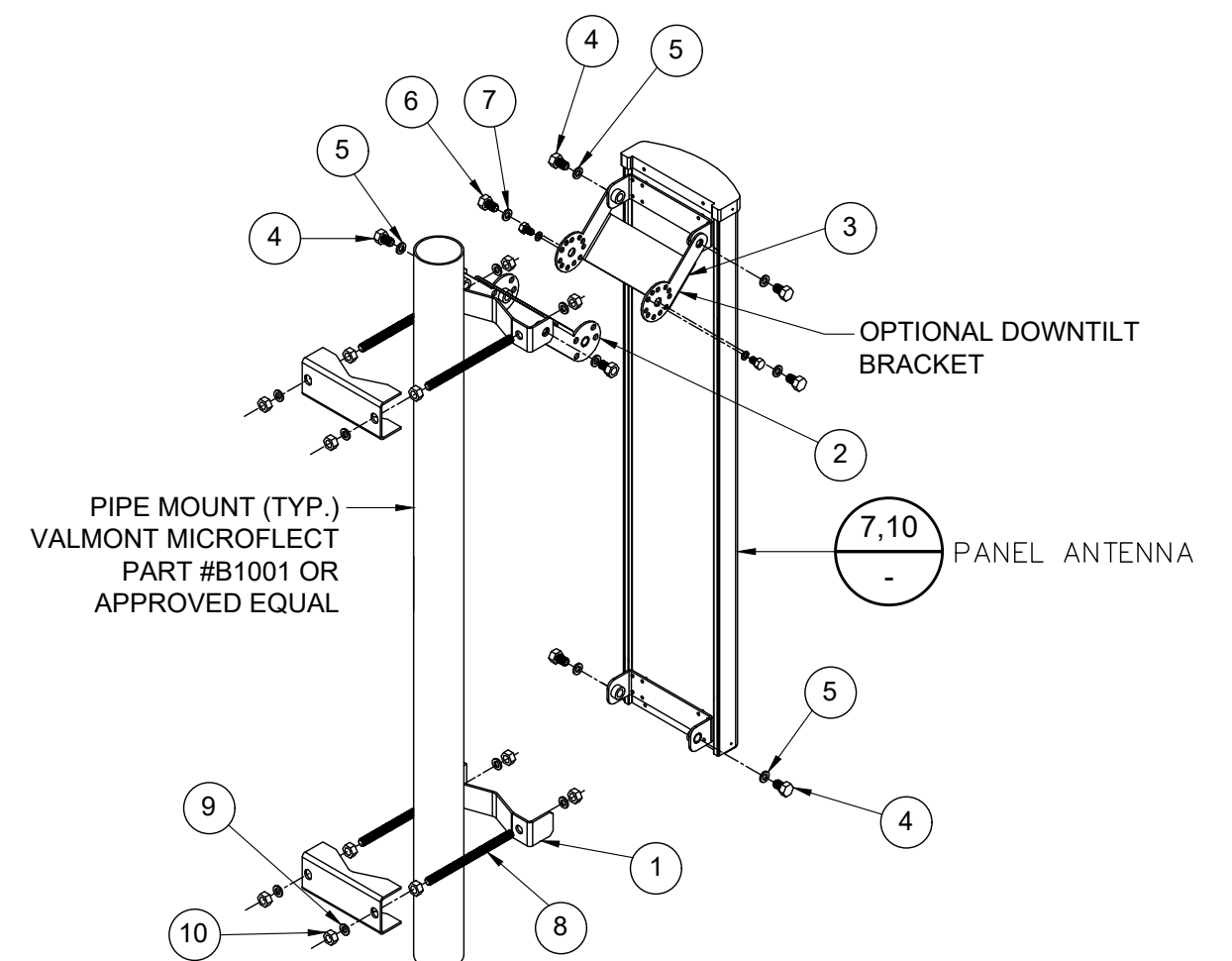
EUKON AT&T_90CD_MONOPOLE_TEMPLATE_V2_11-18-22

NEW WEST ELEVATION



1





PIPE MOUNT (TYP.)
VALMONT MICROFLECT
PART #B1001 OR
APPROVED EQUAL

OPTIONAL DOWNTILT
BRACKET

PANEL ANTENNA

7.10

NOTES:

1. INSERT SCISSOR BRACKETS BETWEEN THE UPPER ANTENNA MOUNTING BRACKET AND THE UPPER POLE ADAPTER BRACKET. SECURE USING 1/2 INCH HARDWARE PROVIDED.
2. TO SET THE DEGREE OF DOWNTILT, ALIGN THE DESIRED HOLES ON THE SCISSOR BRACKETS AND SECURE USING 5/16 INCH HARDWARE PROVIDED.
3. THE NUMBER OF CONNECTORS WILL VARY BASED ON ANTENNA TYPE.

ITEM	QTY	DESCRIPTION
1	1	ADAPTER, POLE, LOWER
2	1	BRACKET, DOWNTILT, POLE
3	1	BRACKET, DOWNTILT, ANTENNA
4	6	1/2 x 1 HEX HEAD BOLT
5	6	1/2 SPLIT WASHER
6	2	5/16 x 1 HEX HEAD BOLT
7	2	5/16 SPLIT WASHER
8	4	1/2" THREADED ROD
9	8	1/2" SPLIT WASHER
10	12	1/2" NUT

CCI-TPA45R-KU8A

DIMENSIONS (LxWxD): 98.7 x 15.4 x 8.2 INCHES (2507 x 391 x 208 mm)

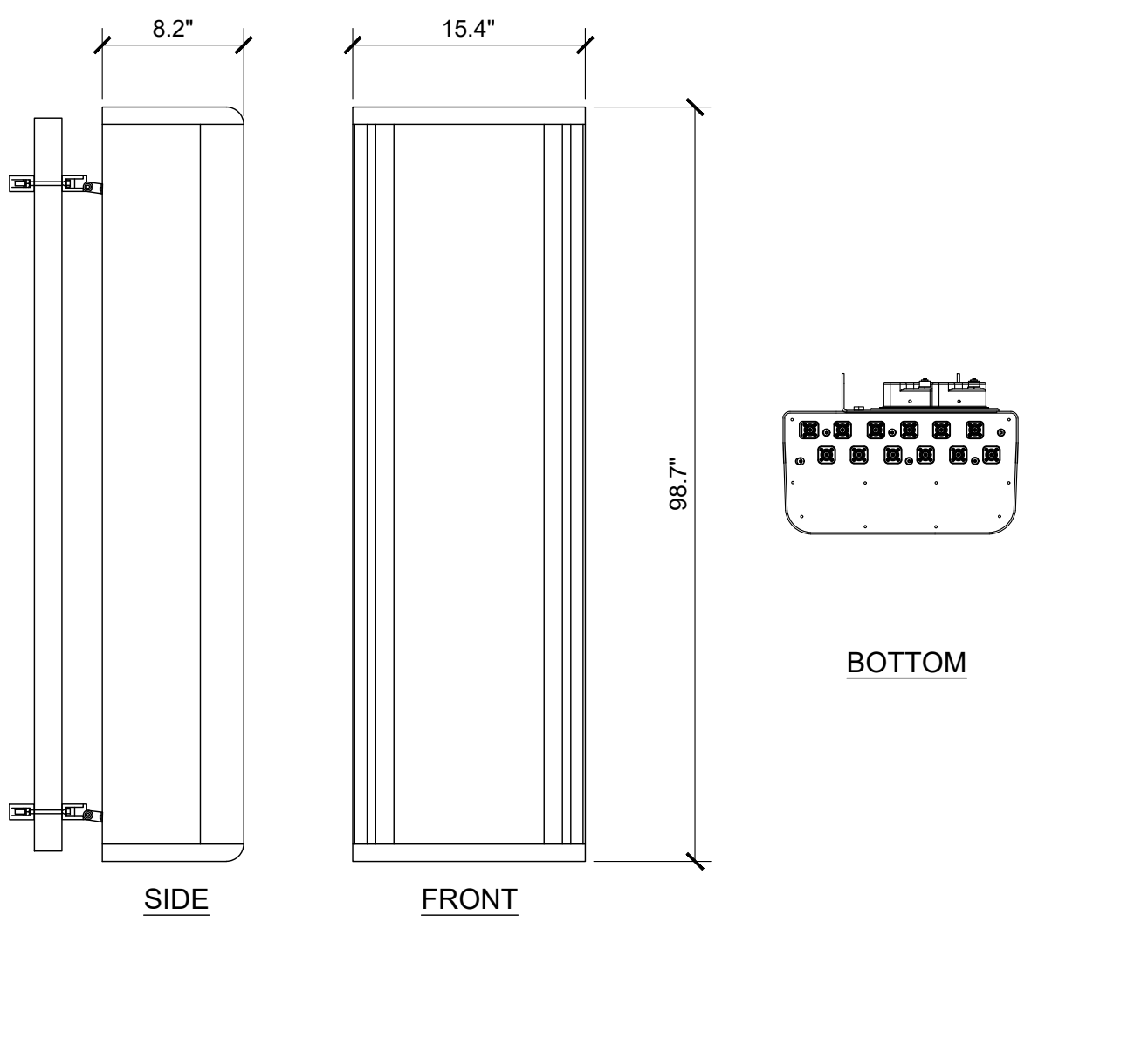
WEIGHT: 79.4lbs (36.0 kg)

SURVIVAL WIND SPEED: 150mph (241 kph)

FRONT WIND LOAD: 371 lbs (1650 N) @100mph (161 kph)

SIDE WIND LOAD: 225 lbs(1002 N) @100mph (161 kph)

EQUIVALENT FLAT PLATE AREA: 14.5 ft2 (1.3 m2)



QUINTEL - QS8658-3e

DIMENSIONS (LxWxD): 96.0in x 12in x 9.6in (2438mm x 304mm x 245mm)

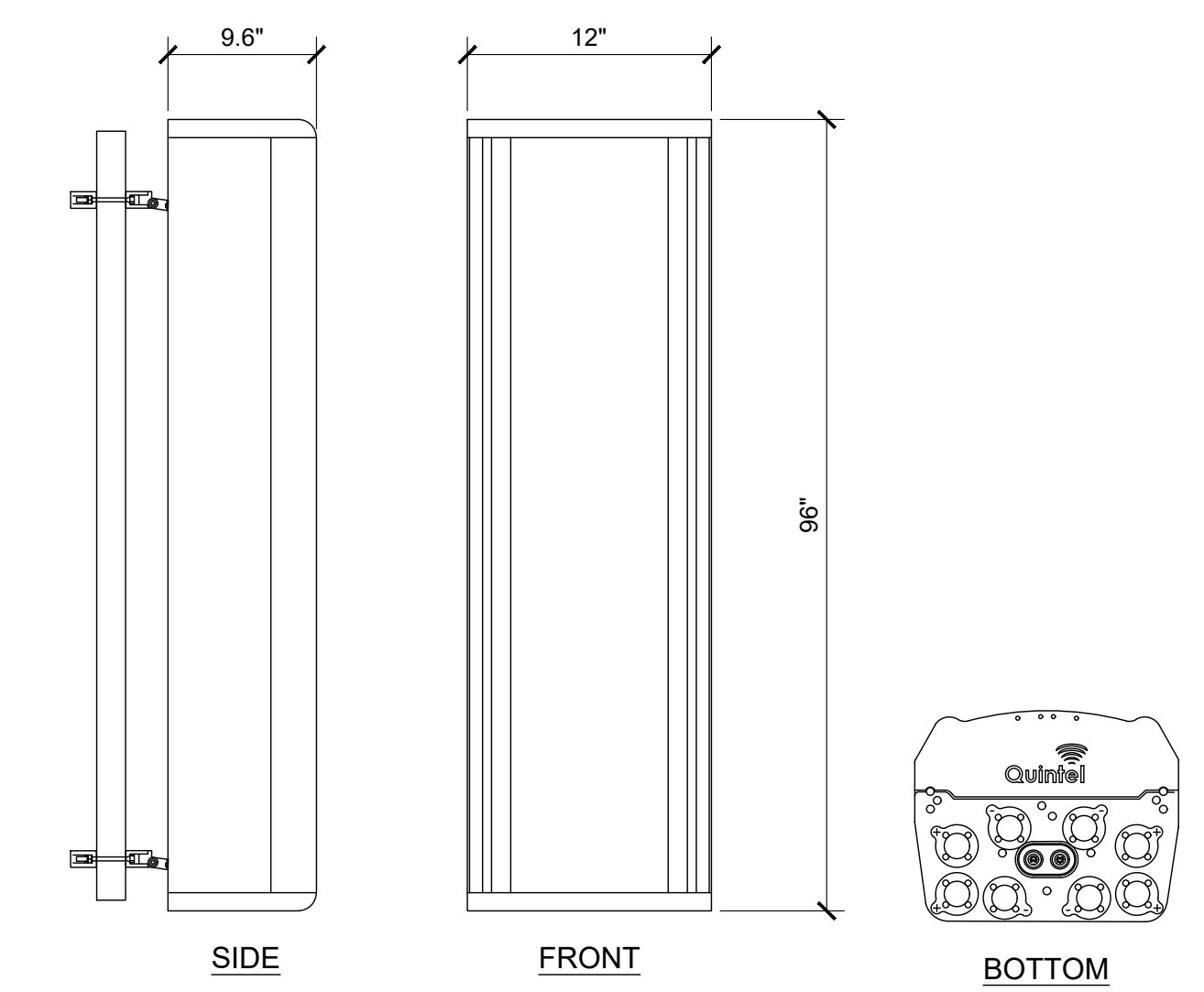
WEIGHT WITH MOUNTING: 113.4 lbs (51.4 kg)

NO. OF CONNECTORS: 8x 7/16 DIN FEMALE LONG NECK

MAX WIND SPEED: 150mph (67 m/s)

FRONT WIND LOAD : 352 N (79.2 lbs)

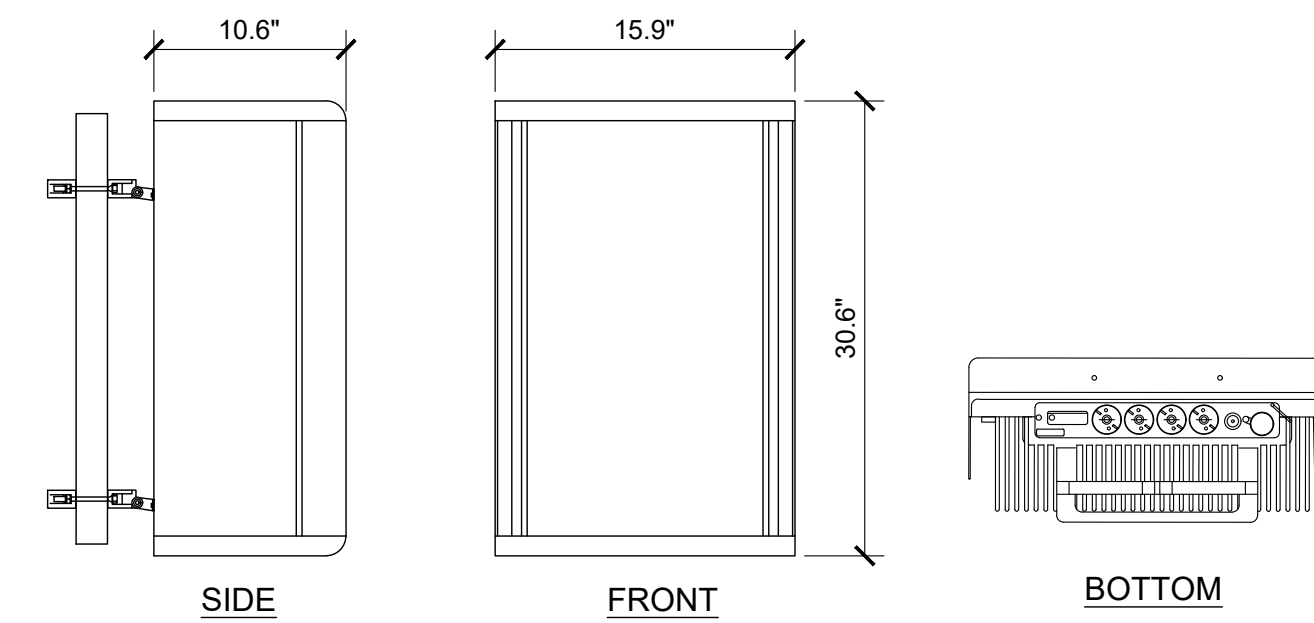
SIDE WIND LOAD: 695 N (156 lbs)



ERICSSON - AIR6449 N77D

DIMENSIONS (LxWxD): 31 x 15.9 x 10.6 in

NET WEIGHT (WITHOUT MOUNTING): 83.8 lbs



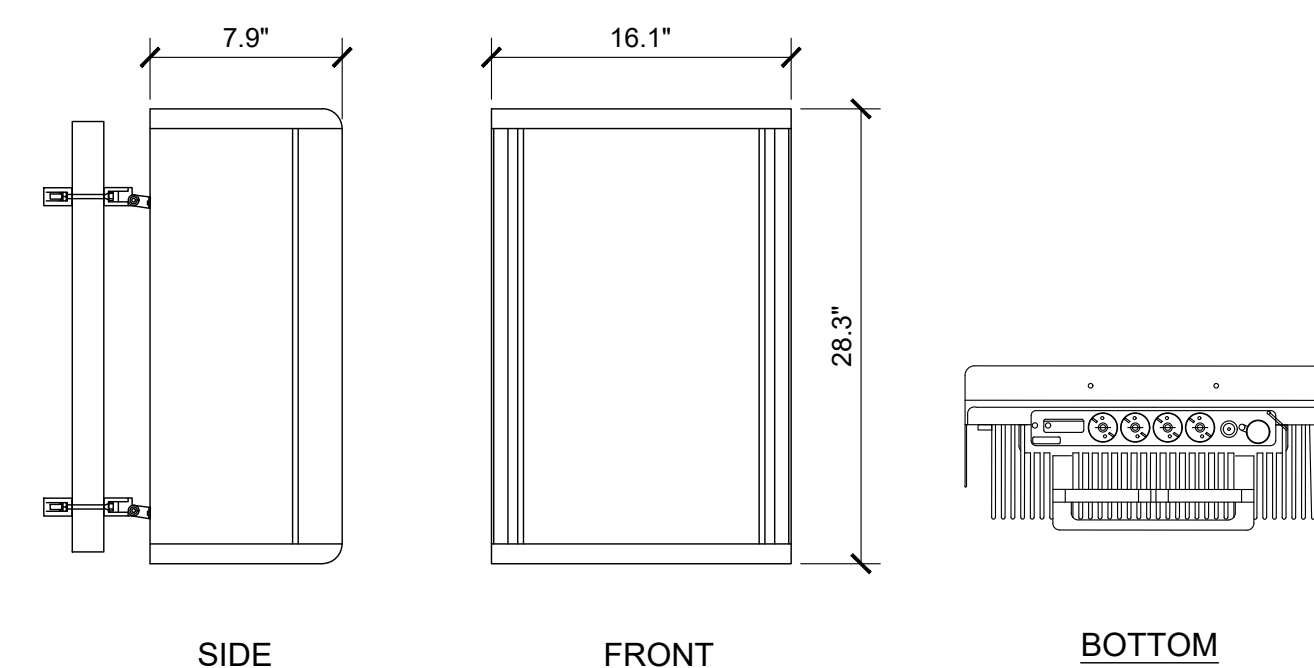
SCALE	4
NONE	

ANTENNA SPECS

ERICSSON - AIR6419 B77G

DIMENSIONS (LxWxD): 28.3 x 16.1 x 7.9 in

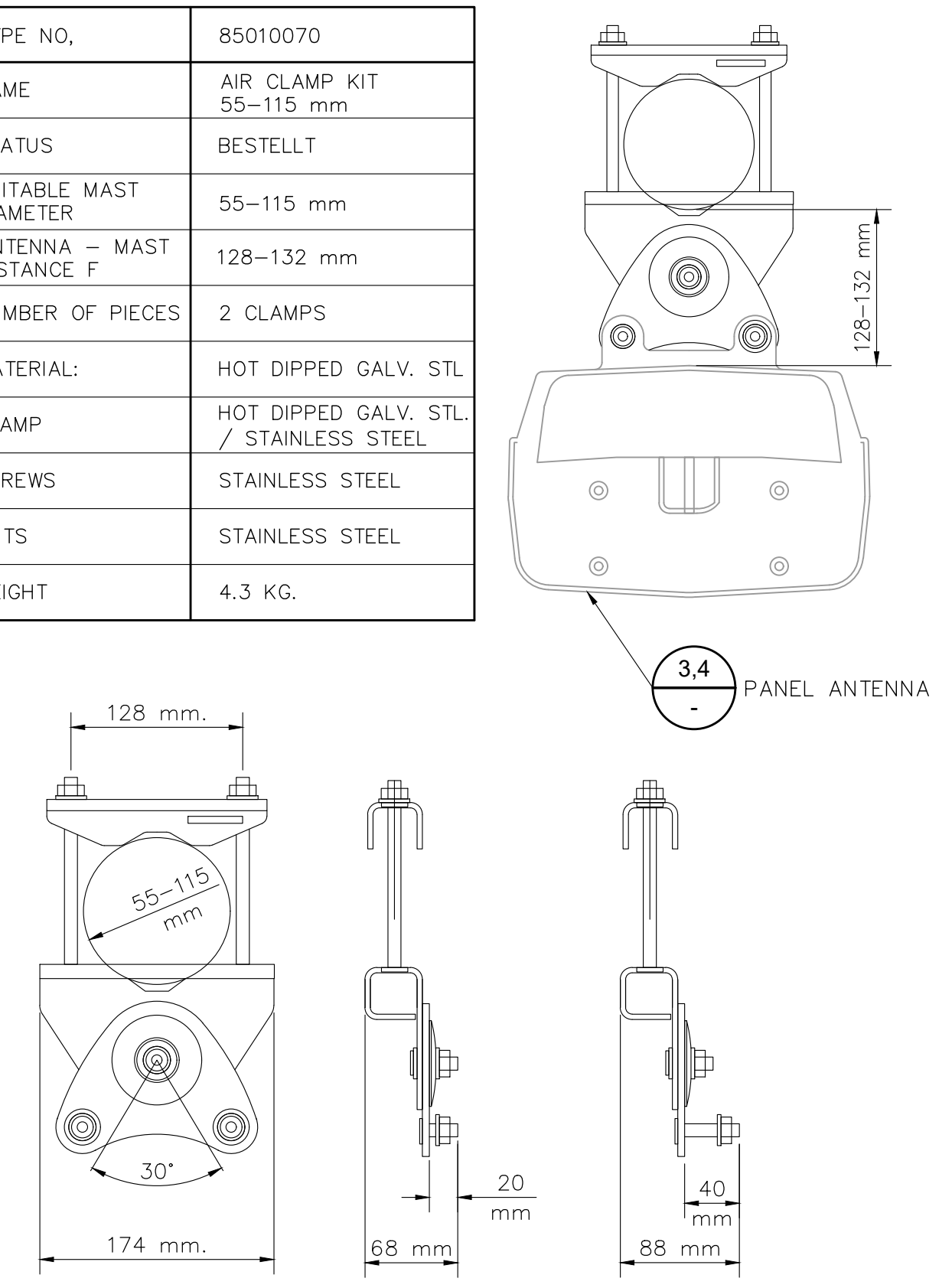
NET WEIGHT (WITHOUT MOUNTING): 66.1 lbs



SCALE	4
NONE	

ANTENNA MOUNTING

TYPE NO.	85010070
NAME	AIR CLAMP KIT 55-115 mm
STATUS	BESTSELL
SUITABLE MAST DIAMETER	55-115 mm
ANTENNA - MAST DISTANCE F	128-132 mm
NUMBER OF PIECES	2 CLAMPS
MATERIAL:	HOT DIPPED GALV. STL
CLAMP	HOT DIPPED GALV. STL / STAINLESS STEEL
SCREWS	STAINLESS STEEL
NUTS	STAINLESS STEEL
WEIGHT	4.3 KG.



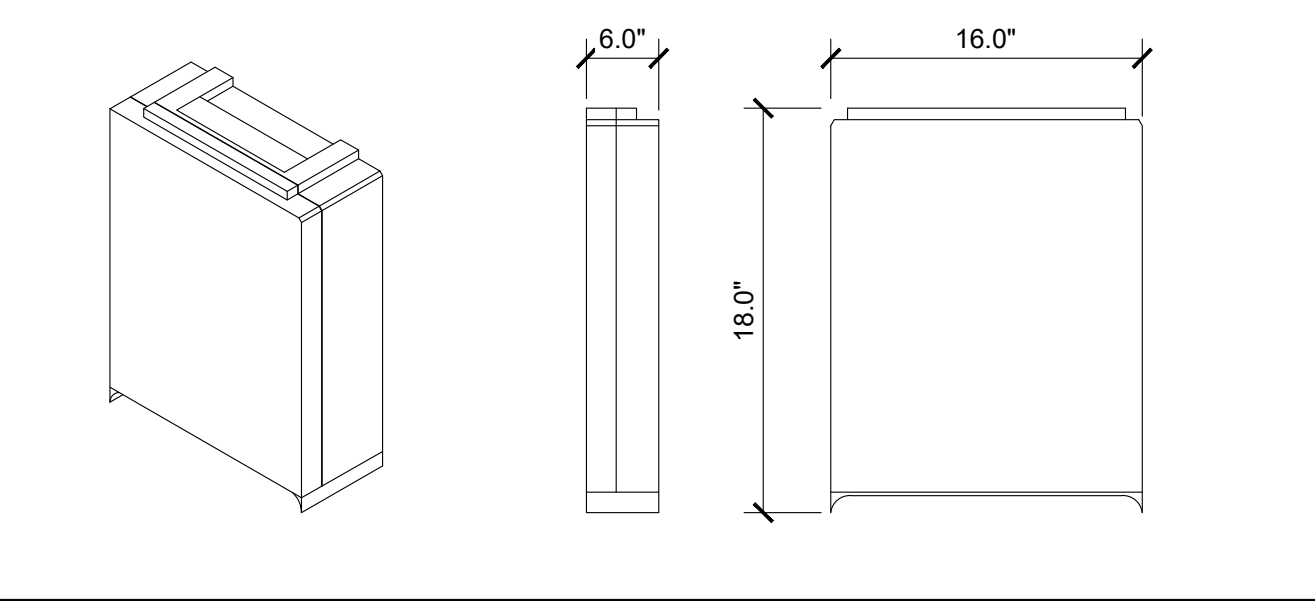
SCALE	11
NONE	

ANTENNA SPECS

ERICSSON RRUS-4494 B14/B29

DIMENSIONS (LxWxD): 18.0in x 16.0in x 6.0in

WEIGHT W/ MOUNTING: 57.3 lbs



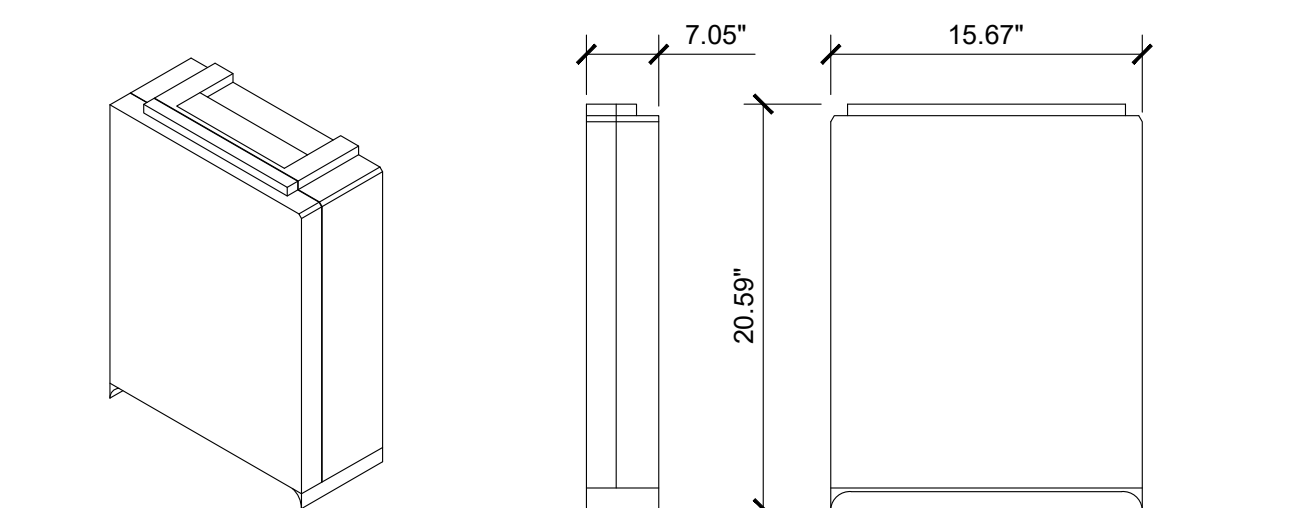
SCALE	10
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RADIO SPECS

ERICSSON RRUS-4490 B5/B12

DIMENSIONS (LxWxD): 20.55in x 15.63in x 7in

WEIGHT W/ MOUNTING: 90 lbs



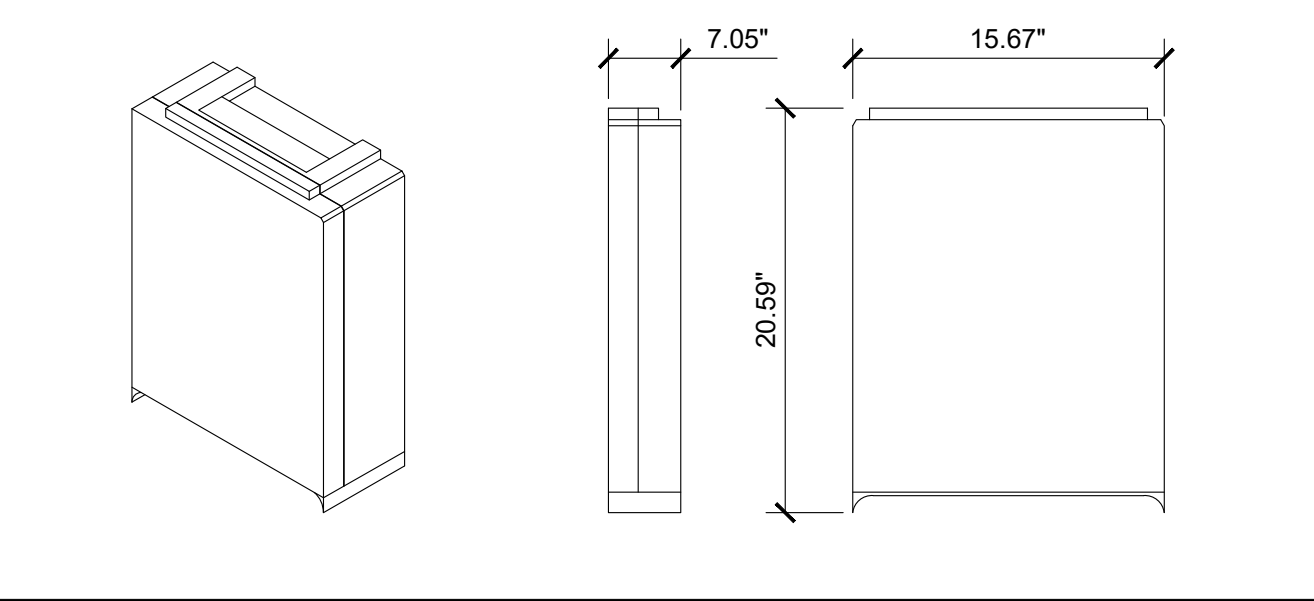
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ANTENNA SPECS

ERICSSON RRUS-4890 B25/B66

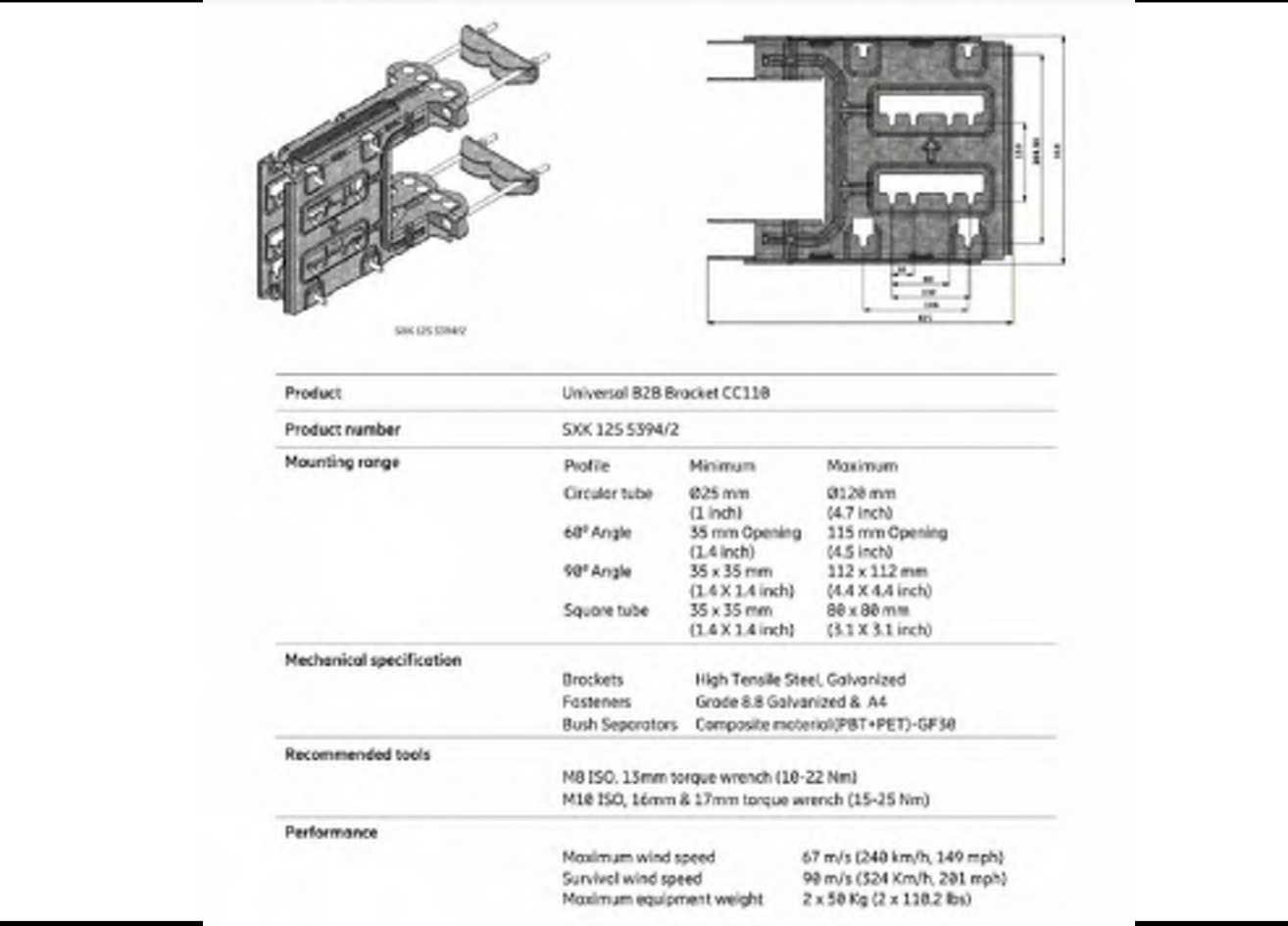
DIMENSIONS (LxWxD): 20.59in x 15.67in x 7.05in

WEIGHT W/ MOUNTING: 92.3 lbs



SCALE	7
NONE	

RADIO SPECS

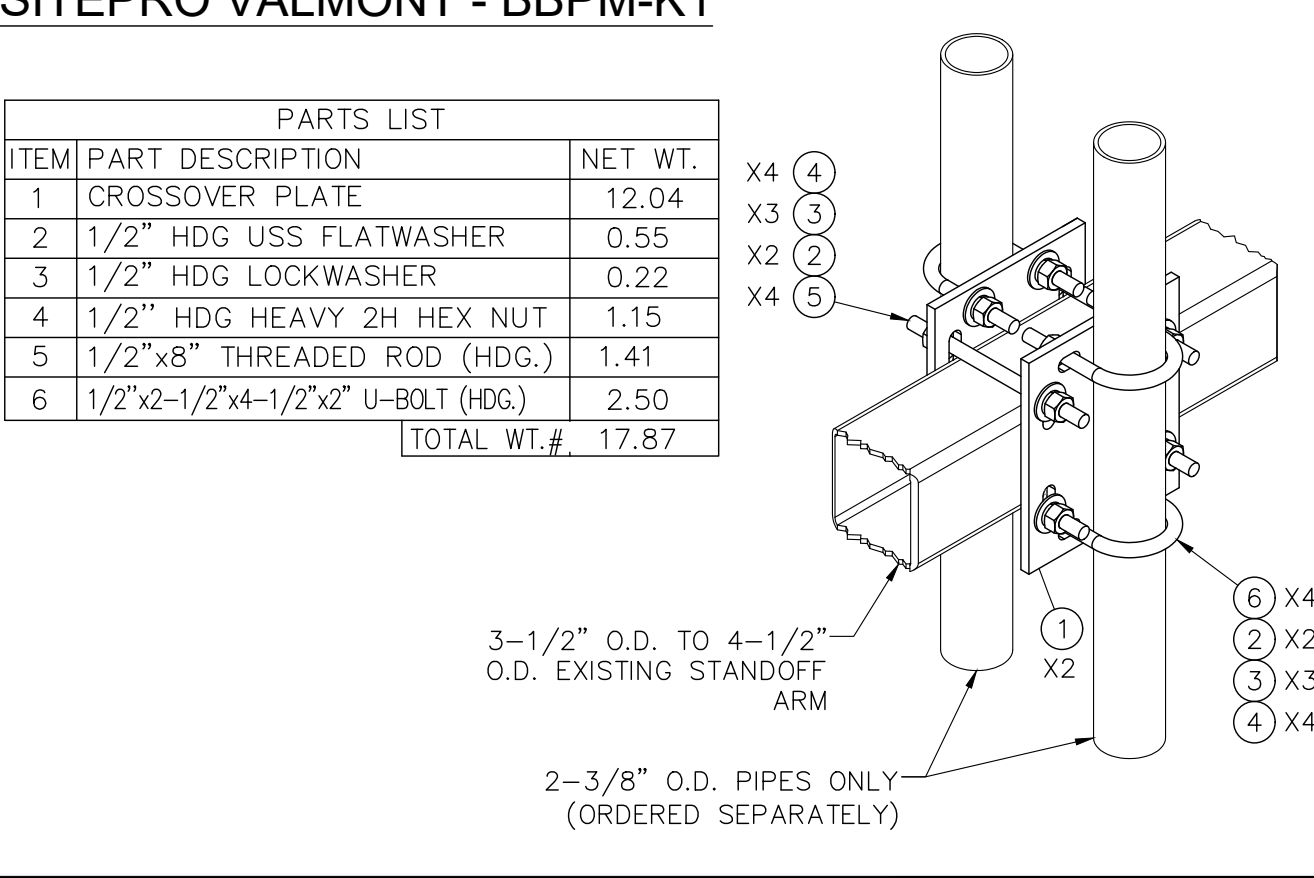


SCALE	5
NONE	

ANTENNA SPECS

SITEPRO VALMONT - BBPM-K1

PARTS LIST		
ITEM	PART DESCRIPTION	NET WT.
1	CROSSOVER PLATE	12.04
2	1/2" HDG USS FLATWASHER	0.55
3	1/2" HDG LOCKWASHER	0.22
4	1/2" HDG HEAVY 2H HEX NUT	1.15
5	1/2"x8" THREADED ROD (HDG.)	1.41
6	1/2"x2-1/2"x4-1/2"x2" U-BOLT (HDG.)	2.50
TOTAL WT.#		17.87



SCALE	3
NONE	


RADIO MOUNTING

SCALE	2
NONE	


COMMSCOPE - RR-FA2

Dimensions


Height	416.56 mm 16.4 in
Length	457.2 mm 18 in
Mounting Diameter 2, maximum	152.4 mm 6 in
Mounting Diameter 2, minimum	38.1 mm 1.5 in
Mounting Diameter, maximum	142.24 mm 5.6 in
Mounting Diameter, minimum	60.96 mm 2.4 in



SCALE	1
NONE	



1452 EDINGER AVE.
3RD FLOOR
TUSTIN, CA 92780



an SFC Communications, Inc. Company

65 POST, SUITE 1000
IRVINE, CA 92618
TEL: (949) 553-8566
www.eukongroup.com

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DRAWN BY:	UTILITIES CHECKED BY:	A&E CHECKED BY:
DW/AS	GD	RB

CONSTRUCTION DRAWINGS

SUBMITTALS		
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A	04/26/24	90% CONSTRUCTION DRAWINGS
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PROJECT INFORMATION

CLL05463

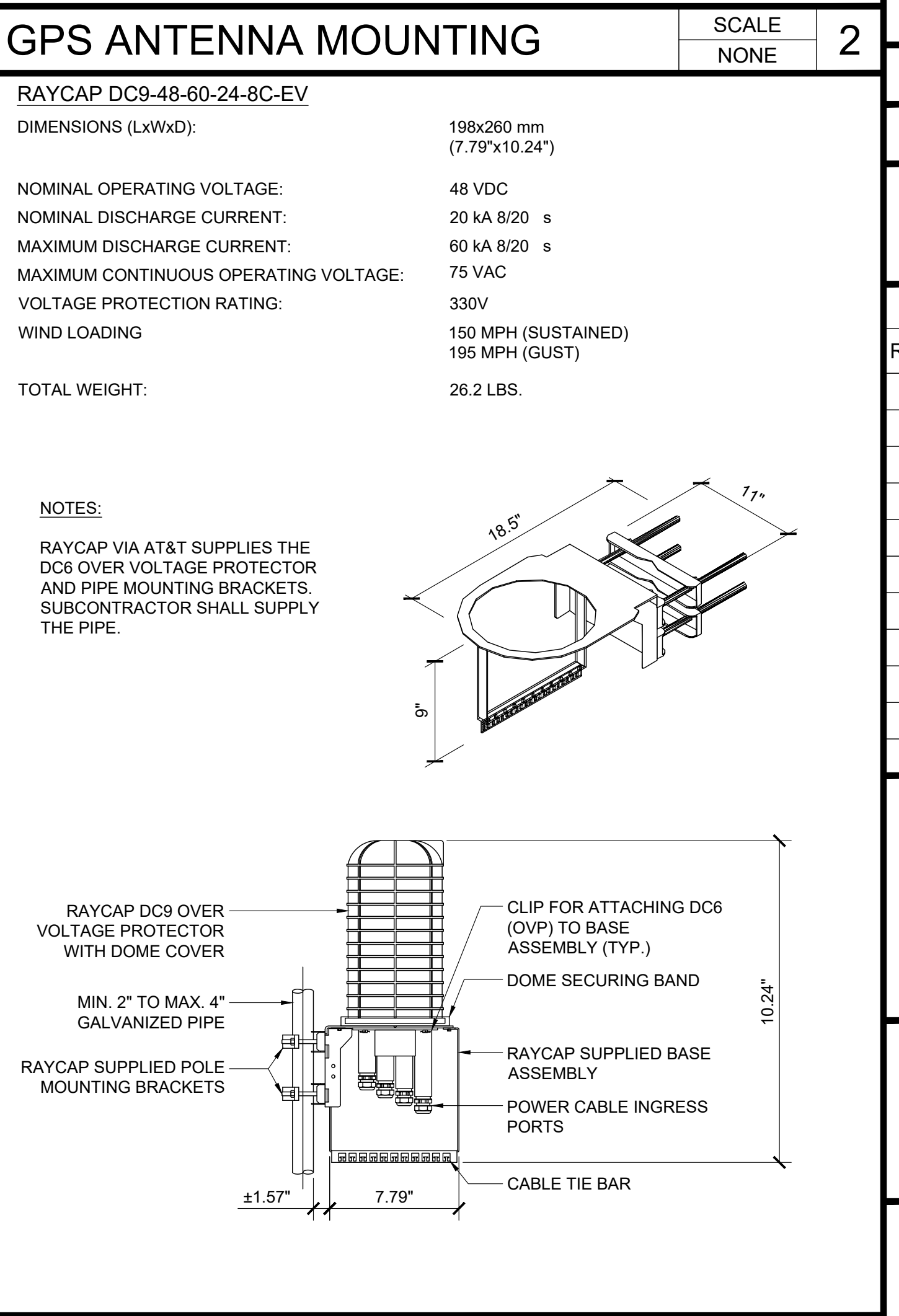
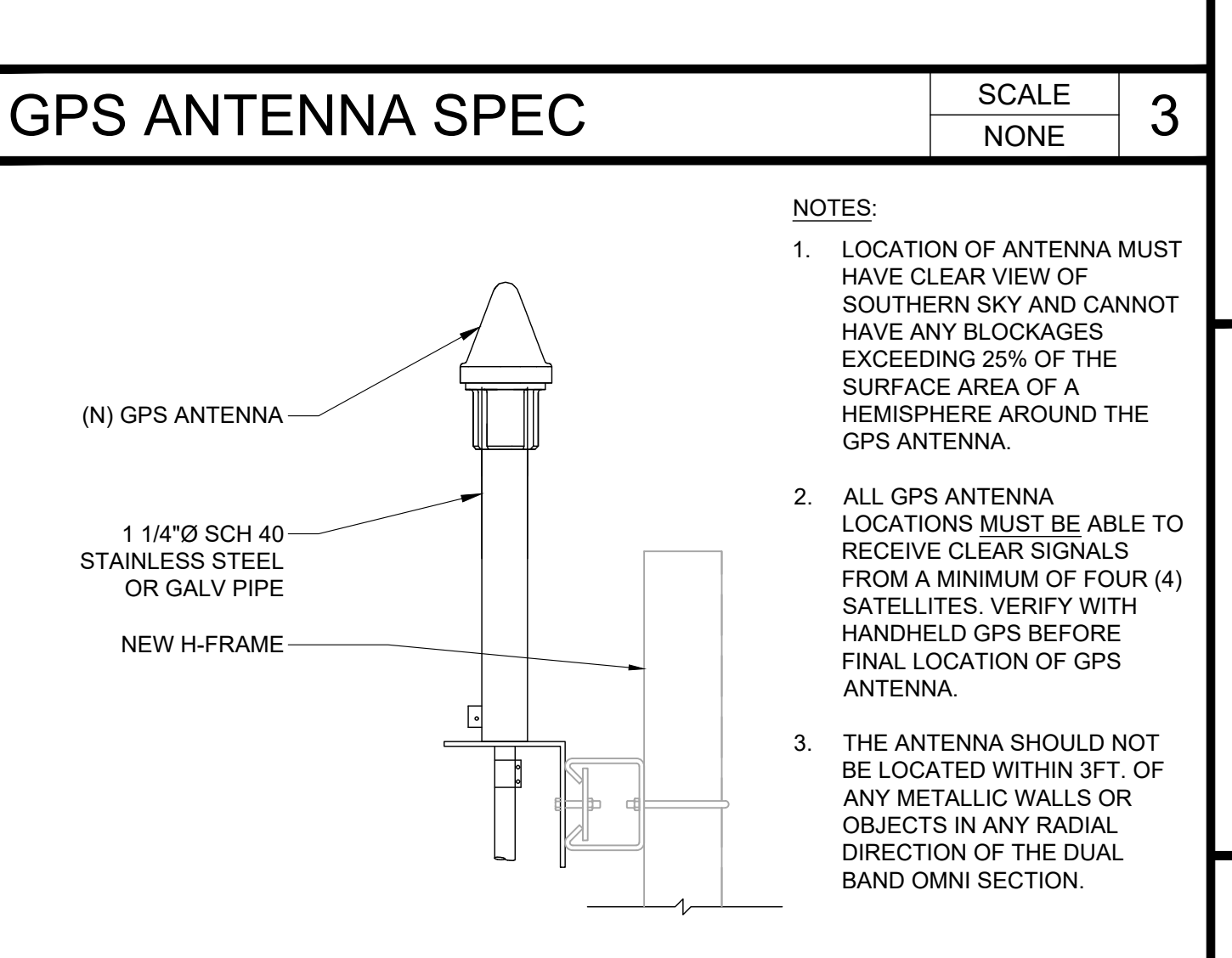
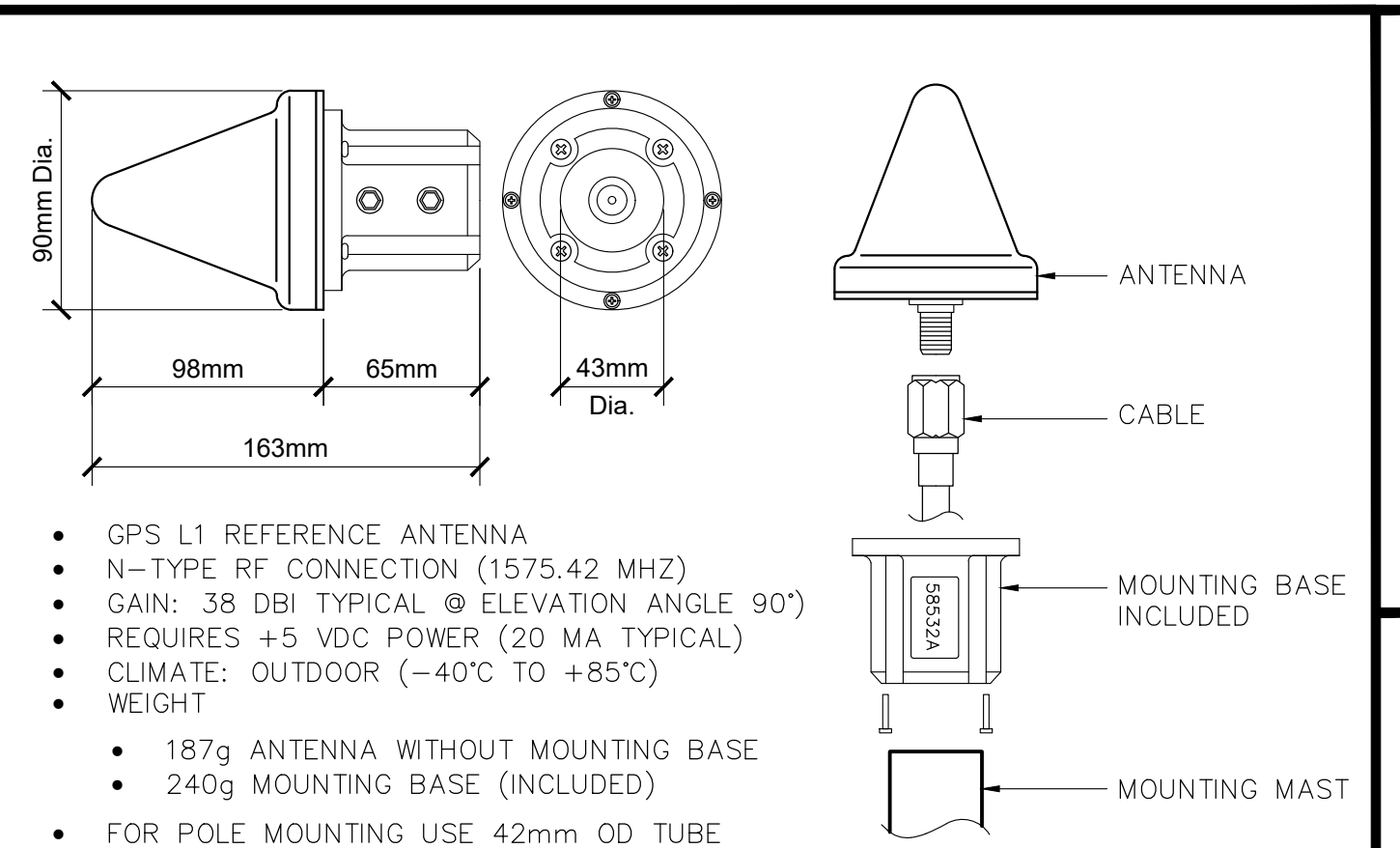
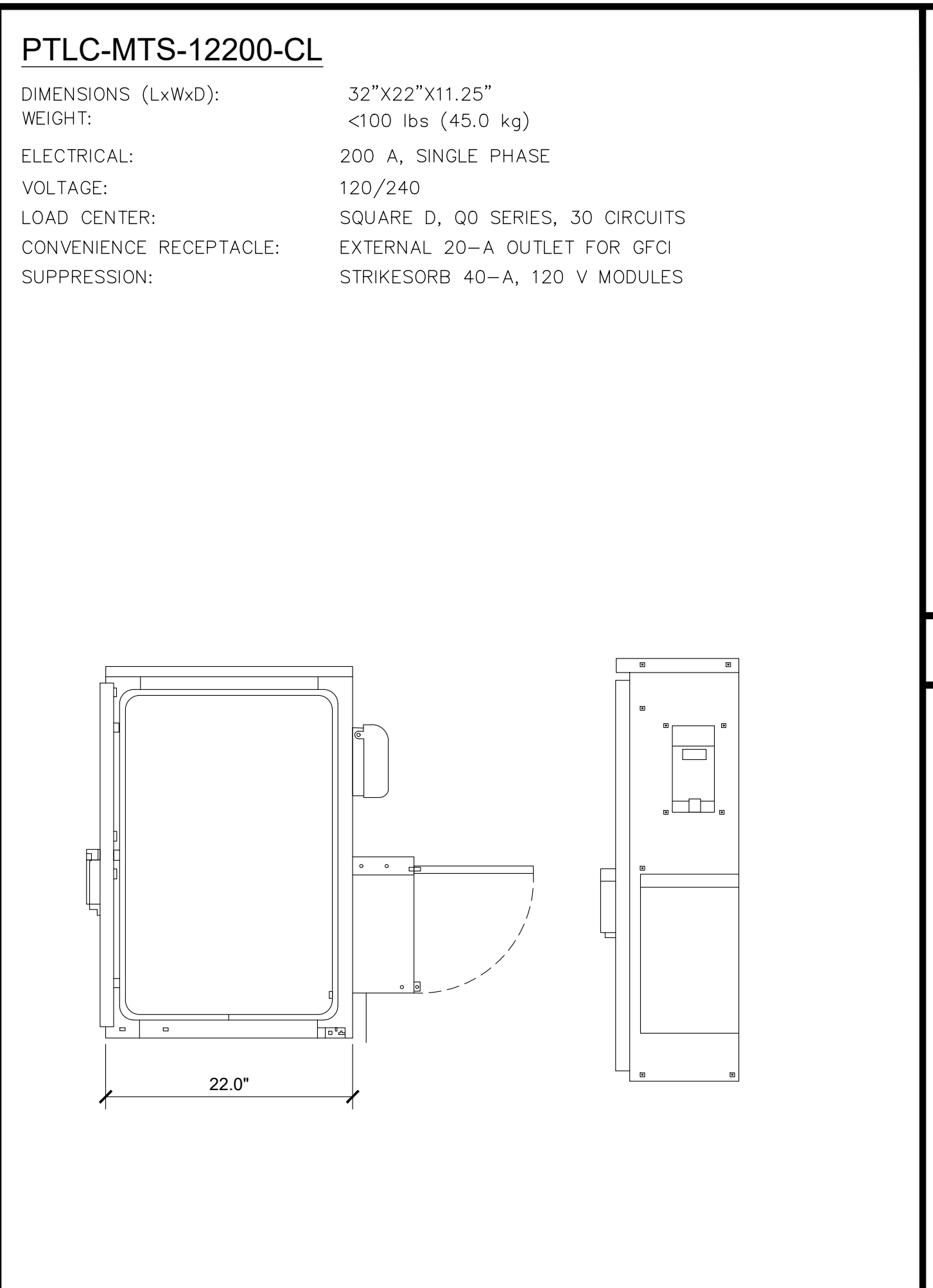
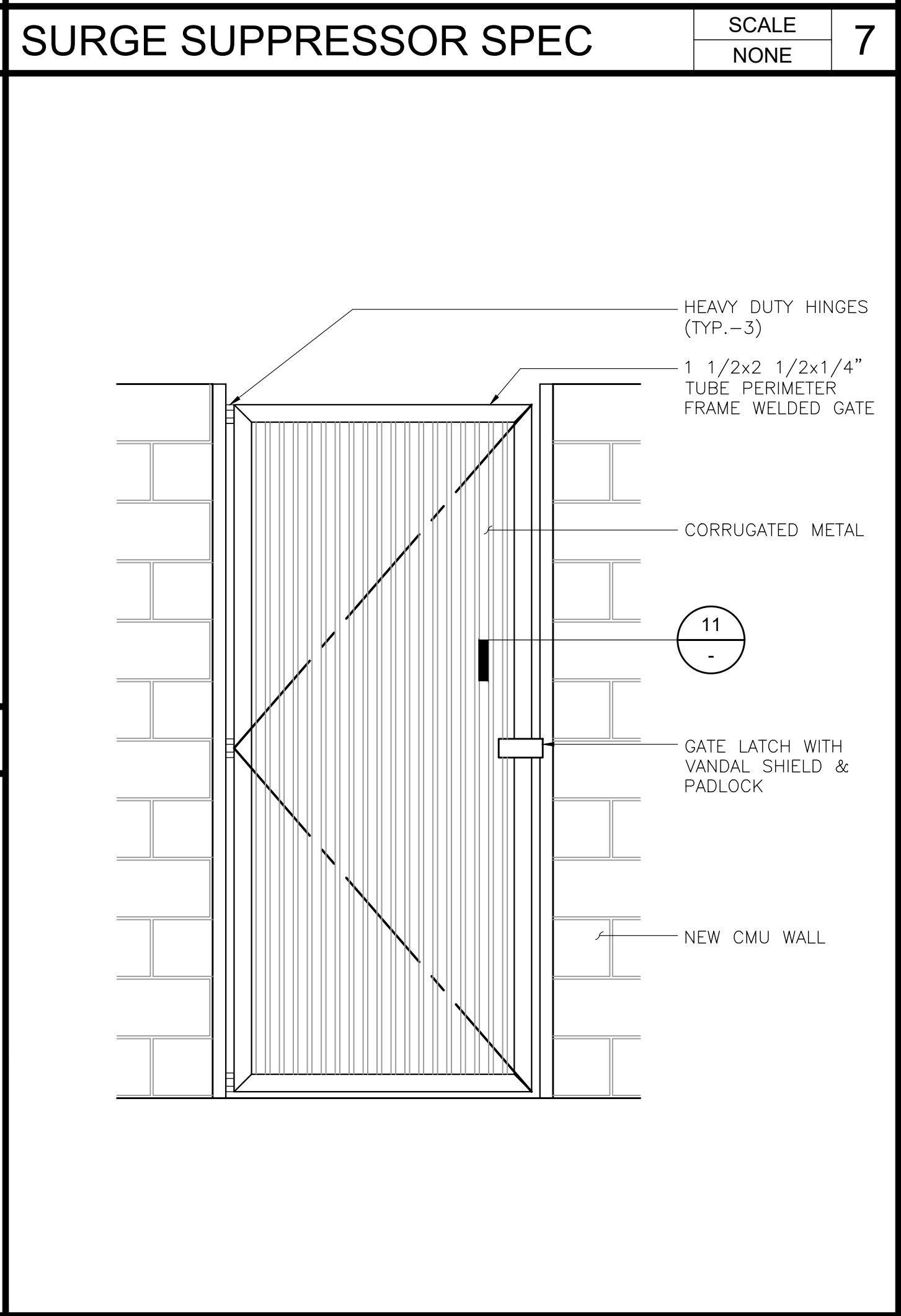
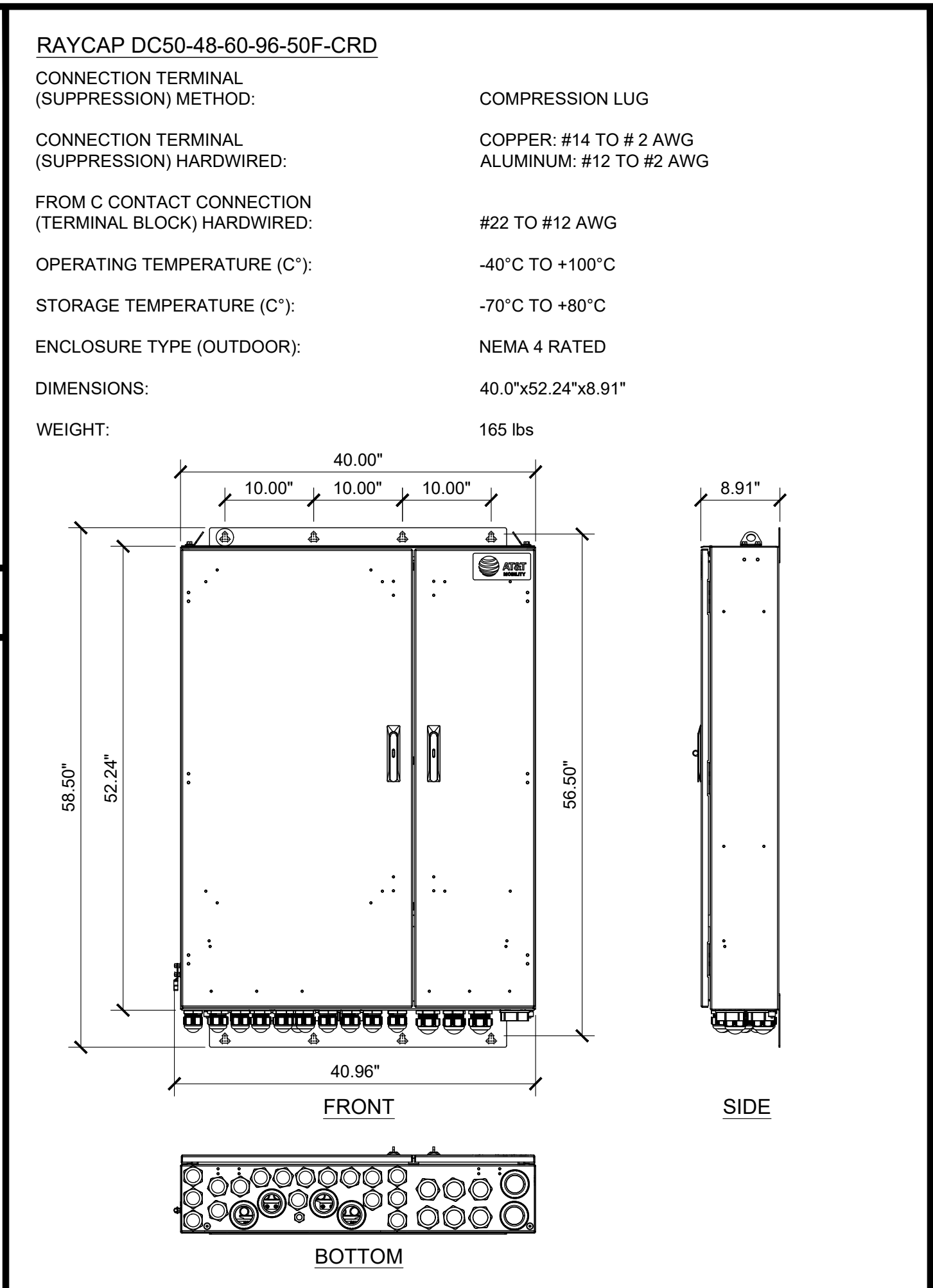
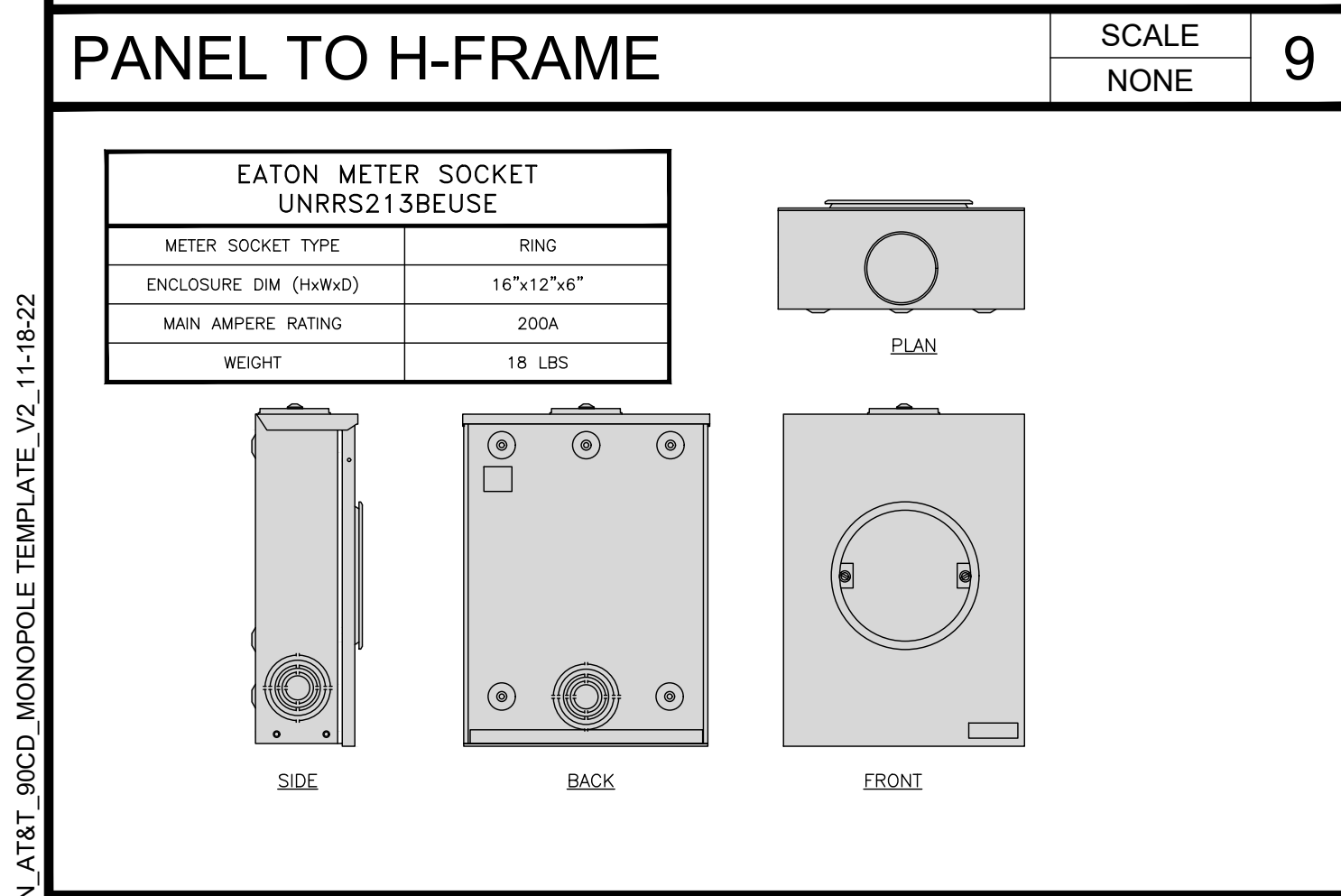
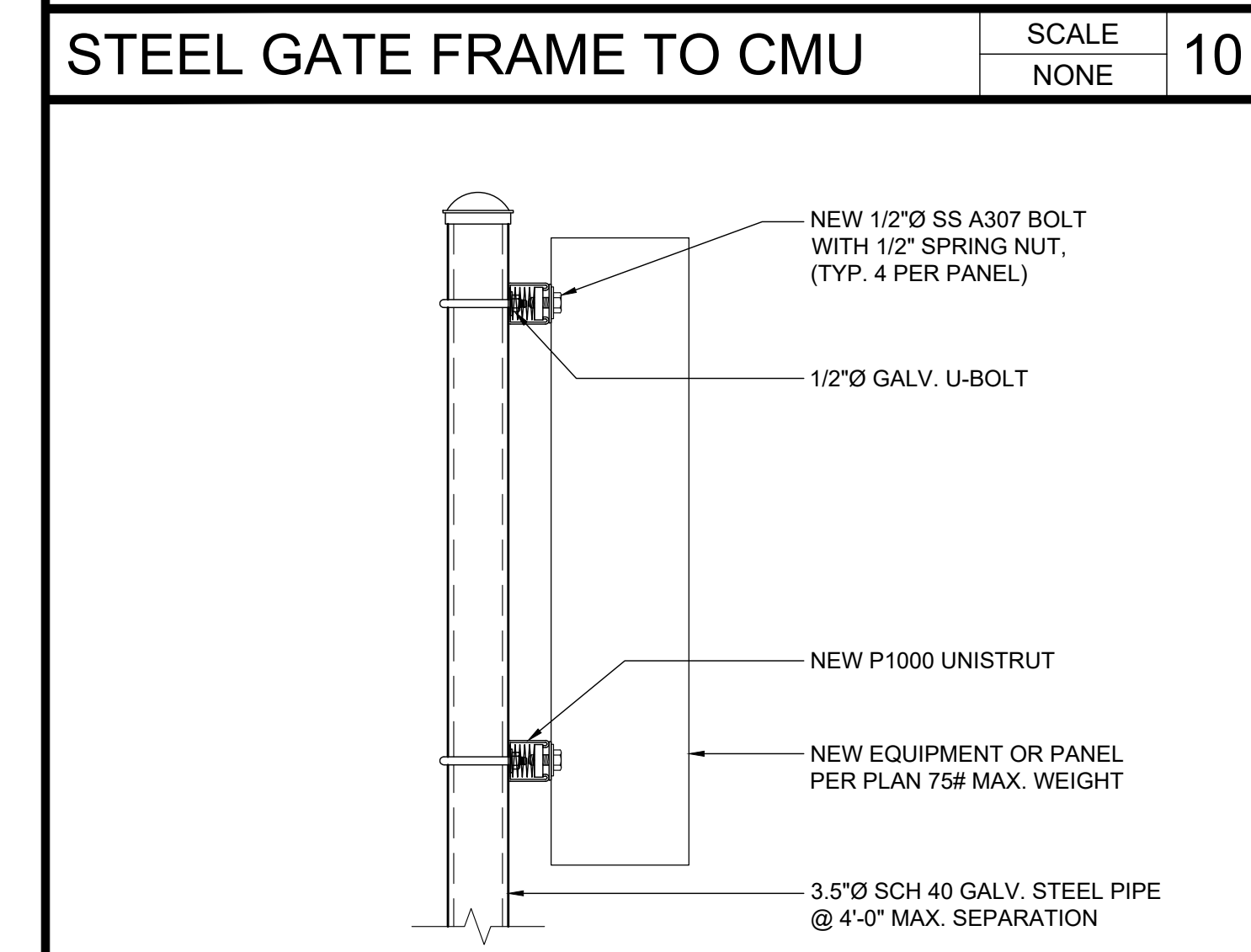
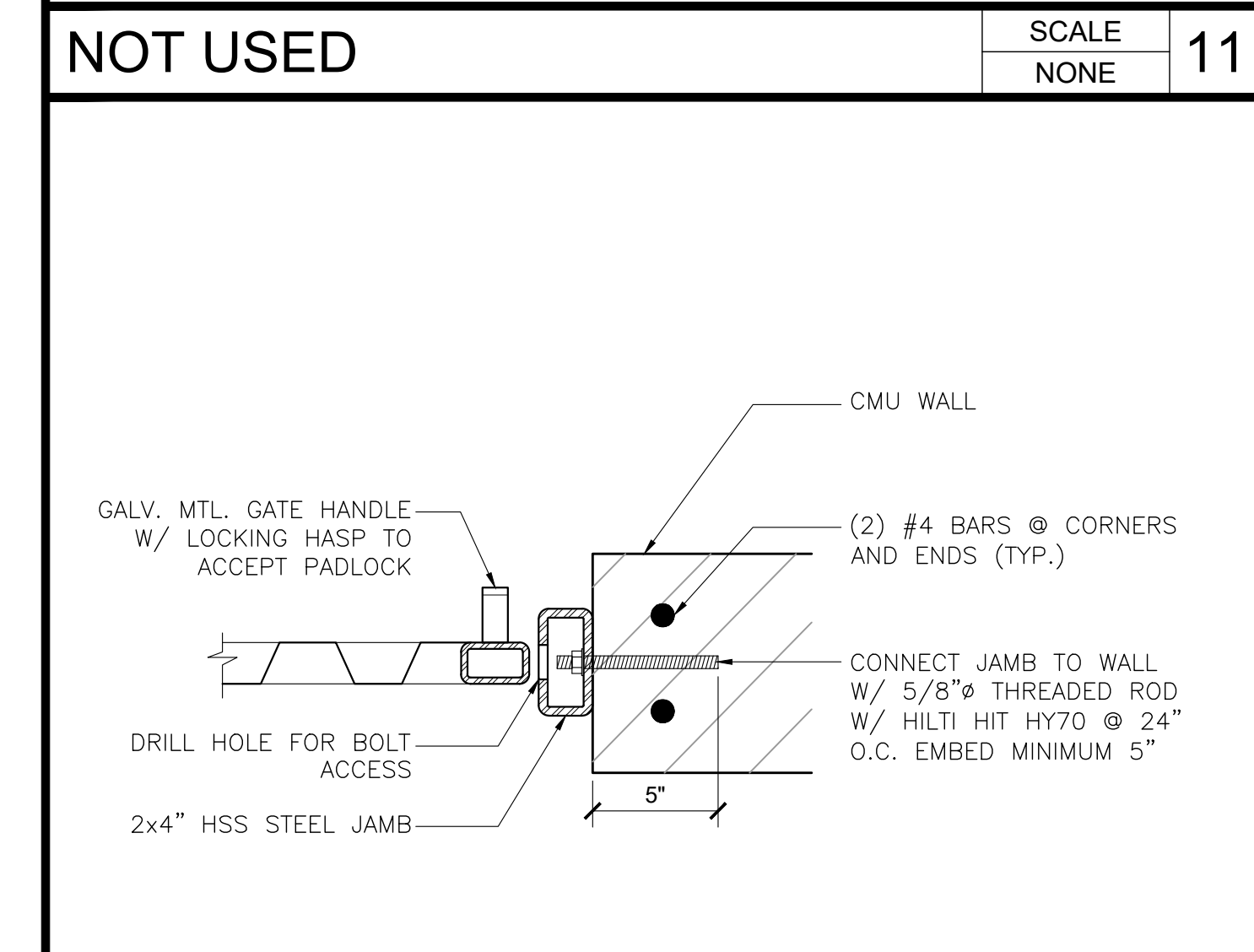
1700 N. TOWNE AVE.
CLAREMONT, CA 91711



SHEET TITLE

EQUIPMENT DETAILS

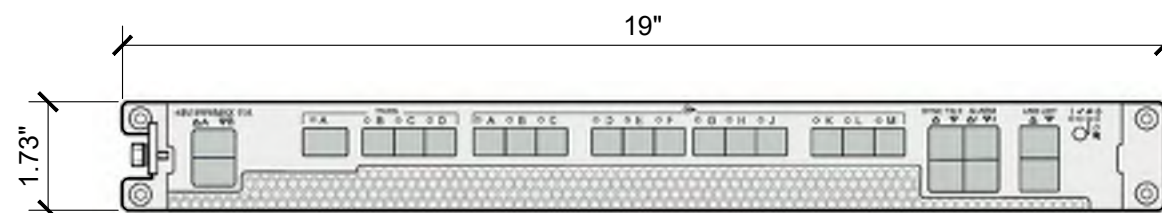
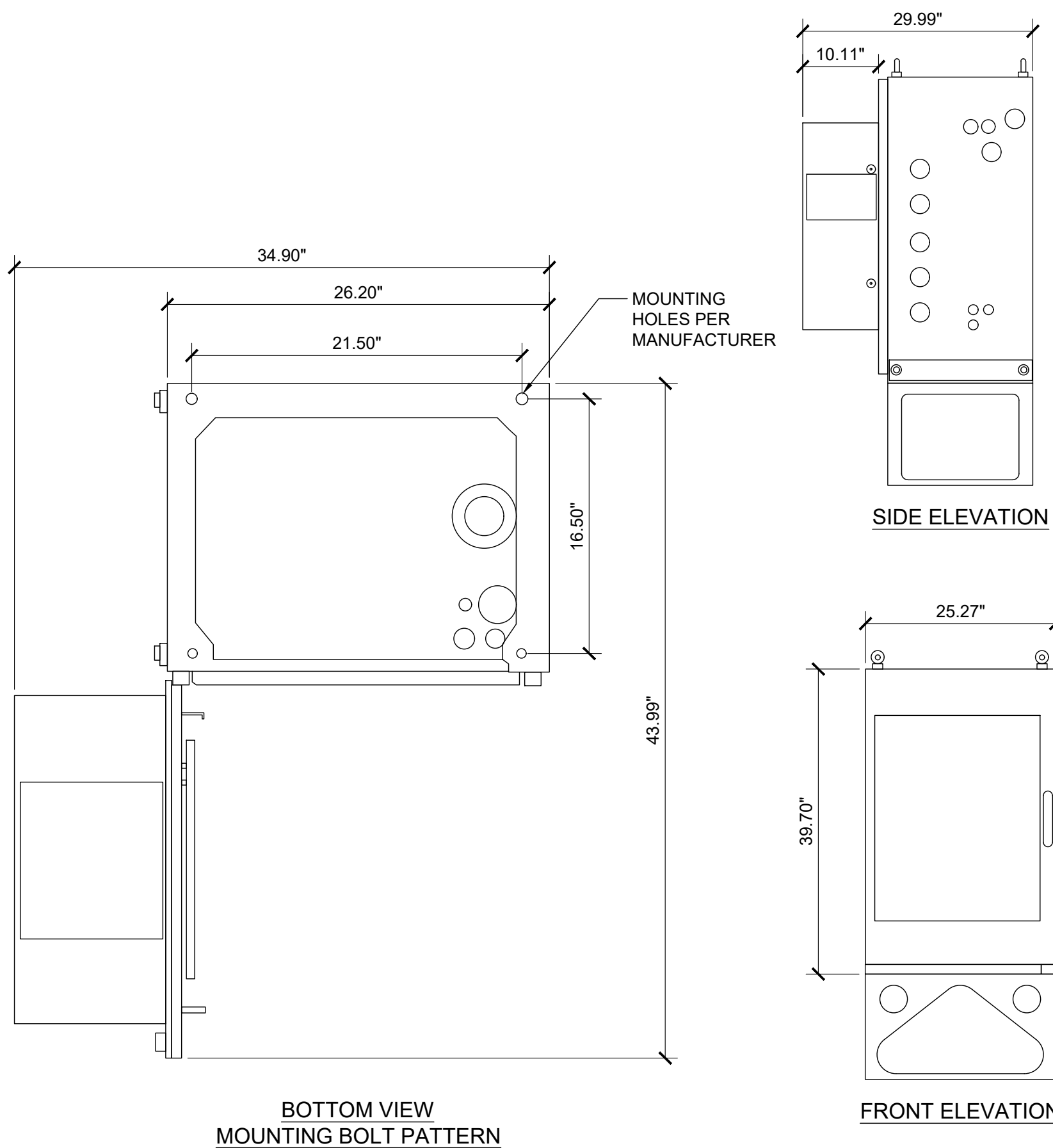

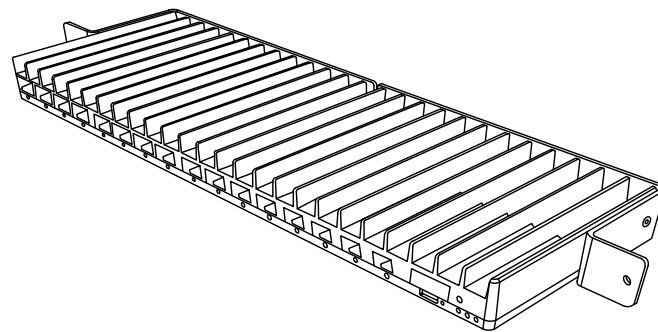
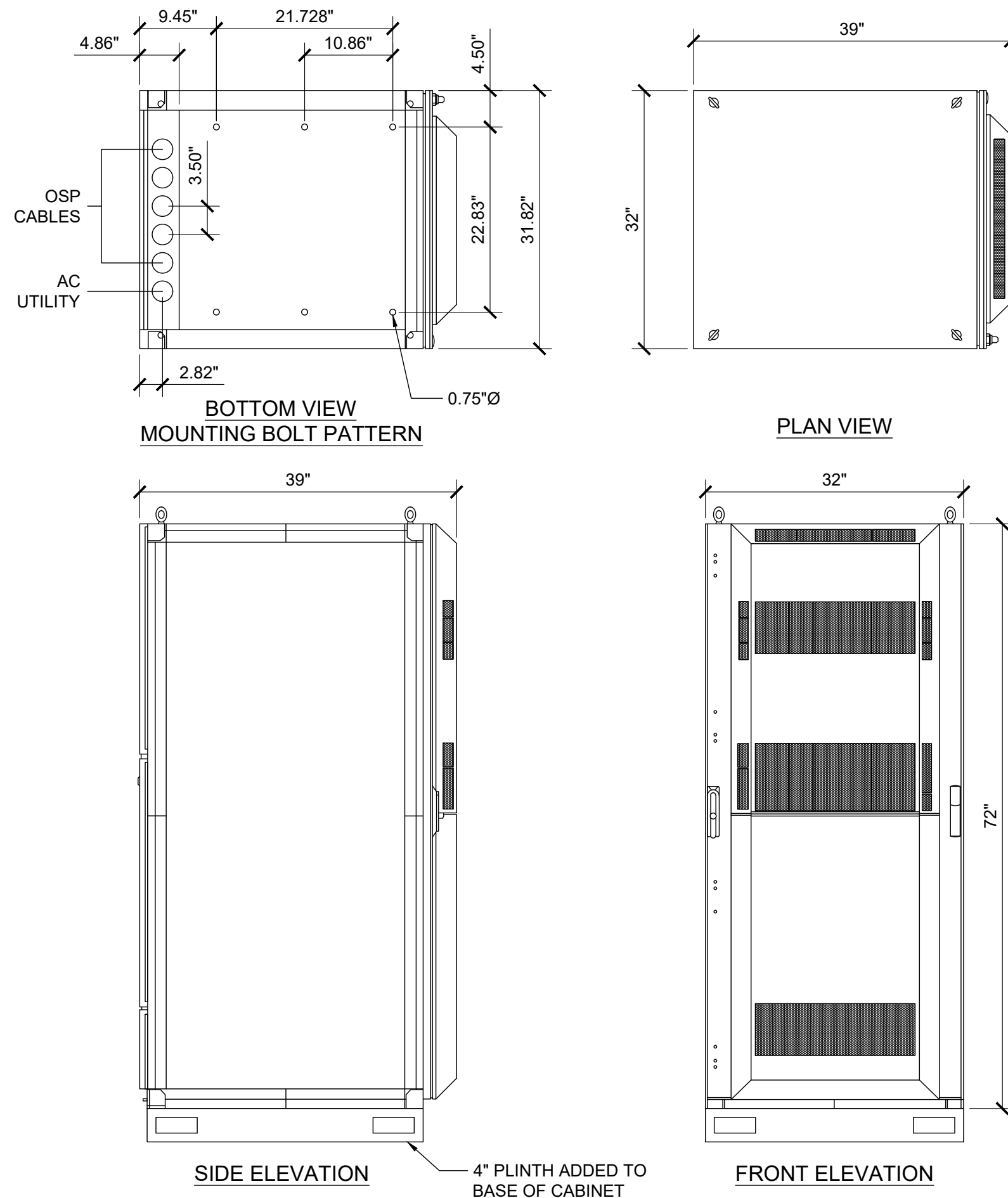
SHEET NUMBER

A-5

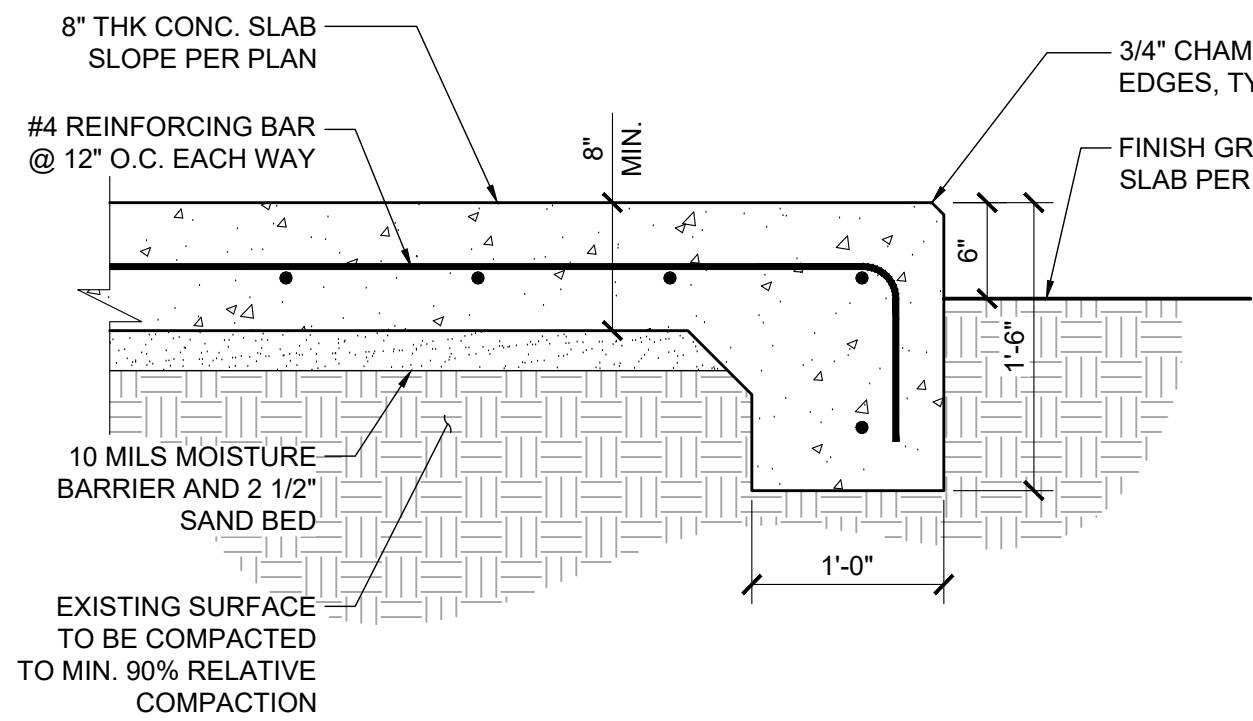


 at&t		
1452 EDINGER AVE. 3RD FLOOR TUSTIN, CA 92780		
 Eukon an SFC Communications, Inc. Company		
65 POST, SUITE 1000 IRVINE, CA 92618 TEL: (949) 553-8566 www.eukongroup.com		
<div style="transform: rotate(-45deg); font-size: 4em; font-weight: bold; opacity: 0.5;">NOT FOR CONSTRUCTION</div>		
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.		
DRAWN BY:	UTILITIES CHECKED BY:	A&E CHECKED BY:
DW/AS	GD	RB
<div style="font-size: 1.5em; font-weight: bold;">CONSTRUCTION DRAWINGS</div>		
SUBMITTALS		
REV	DATE	DESCRIPTION
A	04/26/24	90% CONSTRUCTION DRAWINGS
B	08/29/24	JX COMMENTS
0	03/12/24	100% CONSTRUCTION DRAWINGS
PROJECT INFORMATION		
<div style="font-size: 1.5em; font-weight: bold;">CLL05463</div>		
1700 N. TOWNE AVE. CLAREMONT, CA 91711		
SHEET TITLE		
<div style="font-size: 2em; font-weight: bold;">EQUIPMENT DETAILS</div>		
SHEET NUMBER		
<div style="font-size: 3em; font-weight: bold;">A-6</div>		

EUKON AT&T_90CD_MONOPOLE_TEMPLATE_V2_11-18-22

			<div>ERICSSON BASEBAND - 6651</div> <div>DIMENSIONS (HxWxD): 1.73 x 19 x 15.1 in</div> <div>WEIGHT: 17 lbs</div> <div></div>			<div>PURCELL CABINET - 66010D FLX21</div> <div>MECHANICAL SPECIFICATIONS:</div> <div>DIMENSIONS: 39.70"H x 25.27"W x 30"D</div> <div>FINISH: ULTRA-LIGHT GRAY POLYESTER POWDER COAT FINISH</div> <div>MOUNTING OPTIONS: 4" & 12" RISER PLINTHS, PAD, POLE, H-FRAME, WALL, UNISTRUT, STACKING</div> <div>WEIGHT: 140 LBS EMPTY 250 LBS FULL</div> <div>SAFETY: ENCLOSURE: UL508A</div> <div>ENVIRONMENTAL: OPERATING TEMPERATURE: -40°F TO 115°F (-40°C TO 46°C) CONTINUOUS OPERATIONS</div> <div>HUMIDITY: 0% TO 95% RELATIVE HUMIDITY, NON-CONDENSING</div> <div>THERMAL SOLUTIONS: POWER CHAMBER: 1600 WATTS</div> <div></div>			<div></div> <div>1452 EDINGER AVE. 3RD FLOOR TUSTIN, CA 92780</div>																																										
NOT USED		SCALE NONE	7	BASEBAND UNIT SPECS		SCALE NONE	5	<div>ERICSSON BASEBAND R503 XMU - BASEBAND AUXILIARY MULTIPLEXING UNIT</div> <div>MECHANICAL SPECIFICATIONS:</div> <div>DIMENSIONS: 1.22"H x 11"D x 13.8"W</div> <div>WEIGHT: 5 LBS</div> <div>HEAT DISSIPATION: 50 WATTS</div> <div>TECHNICAL SPECIFICATIONS:</div> <div>PLATFORM FOR CPRI MULTIPLEXING AND DE-MULTIPLEXING</div> <div>-16x SFP+ PORTS</div> <div>PLUGGABLE OPTICAL TRANSCEIVERS</div> <div>DIRECT ATTACH CABLES</div> <div>-48V DC POWERING</div> <div>-FANLESS</div> <div>TARGET RELEASE - L14B</div> <div>-2x (10Gbps -> 4x 2.5 Gbps)</div> <div></div>			<div>NOT FOR CONSTRUCTION</div>																																								
NOT USED		SCALE NONE	6	BASEBAND UNIT SPECS		SCALE NONE	4	DATA CABINET			SCALE NONE	2	<div>IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.</div> <div>DRAWN BY: UTILITIES CHECKED BY: A&E CHECKED BY:</div> <div>DW/AS GD RB</div> <div>CONSTRUCTION DRAWINGS</div> <div>SUBMITTALS</div> <table><tr><th>REV</th><th>DATE</th><th>DESCRIPTION</th></tr><tr><td>A</td><td>04/26/24</td><td>90% CONSTRUCTION DRAWINGS</td></tr><tr><td>B</td><td>08/29/24</td><td>JX COMMENTS</td></tr><tr><td>0</td><td>03/12/24</td><td>100% CONSTRUCTION DRAWINGS</td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></table> <div>PROJECT INFORMATION</div> <div>CLL05463</div> <div>1700 N. TOWNE AVE. CLAREMONT, CA 91711</div> <div>SHEET TITLE</div> <div>EQUIPMENT DETAILS</div> <div>SHEET NUMBER</div> <div>A-7</div>			REV	DATE	DESCRIPTION	A	04/26/24	90% CONSTRUCTION DRAWINGS	B	08/29/24	JX COMMENTS	0	03/12/24	100% CONSTRUCTION DRAWINGS																								
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NOT USED		SCALE NONE	3	POWER PLANT CABINET		SCALE NONE	1	<div>VERTIV NETSURE - 512 DC POWER SYSTEM</div> <div>DC POWER SYSTEM FEATURES:</div> <div>NOMINAL SYSTEM VOLTAGE: -48 VDC or +24 VDC</div> <div>CONTROL: MICROPROCESSOR (ACU+)</div> <div>RATED OUTPUT CAPACITY - MAX CONFIGURATION: SYSTEM: 525A @ -48V DC PLUS REDUNDANCY 400A @ +24V DC PLUS REDUNDANCY</div> <div>RECTIFIER: 2000 WATTS (41.7A)</div> <div>CONVERTER: 1200 WATTS (50A), -48V DC TO +24V DC</div> <div>DISTRIBUTION PANEL TOP SECTION: WIRED FOR (16) +24V AND (13) -48V BULLET POSITIONS</div> <div>BOTTOM SECTION: (30) -48V BULLET POSITIONS</div> <div>ENVIRONMENTAL: OPERATING TEMPERATURE: -40°F TO 115°F (-40°C TO 46°C) CONTINUOUS OPERATIONS</div> <div>HUMIDITY: 0% TO 95% RELATIVE HUMIDITY, NON-CONDENSING</div> <div>THERMAL SOLUTIONS: POWER CHAMBER: 2500 WATT DOOR-MOUNTED HEAT EXCHANGER, 2 RU AVAILABLE SPACE FOR SURGE PROTECTION</div> <div>BATTERY CHAMBER: FAN COOLED, FRESH AIR VENTILATION, HOLDS UP TO (3) BATTERY STRINGS</div> <div>EQUIPMENT: GROUND BAR: 10 POSITIONS</div> <div>TERMINAL BLOCK: 12 POSITION PHOENIX ALARM BLOCK 32 POSITION PHOENIX ALARM BUNCHING BLOCK</div> <div>SAFETY: DC POWER SYSTEM: UL 1801 LISTED (US & CANADA) NEBS LEVEL 3</div> <div>ENCLOSURE: GR-487, UL 60950, AND SEISMIC ZONE 4 COMPLIANT</div> <div>MECHANICAL SPECIFICATIONS: DIMENSIONS: 72"H x 32"W x 39"D</div> <div>WEIGHT: 752 LBS.</div> <div></div>																																											

EUKON AT&T 90CD_MONOPOLE_TEMPLATE_V2_11-18-22



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 PER CAST-IN-PLACE CONCRETE.
- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS, UNLESS NOTED OTHERWISE.
- REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPLICES SHALL BE CLASS "B" AND ALL HOOKS SHALL BE STANDARD, UNO.
- THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:

CONCRETE CAST AGAINST EARTH3 IN.
CONCRETE EXPOSED TO EARTH OR WEATHER:

#6 AND LARGER1 1/2 IN.
#5 AND SMALLER & WWF.....1 1/2 IN.

CONCRETE NOT EXPOSED TO EARTH OR WEATHER
OR NOT CAST AGAINST THE GROUND:

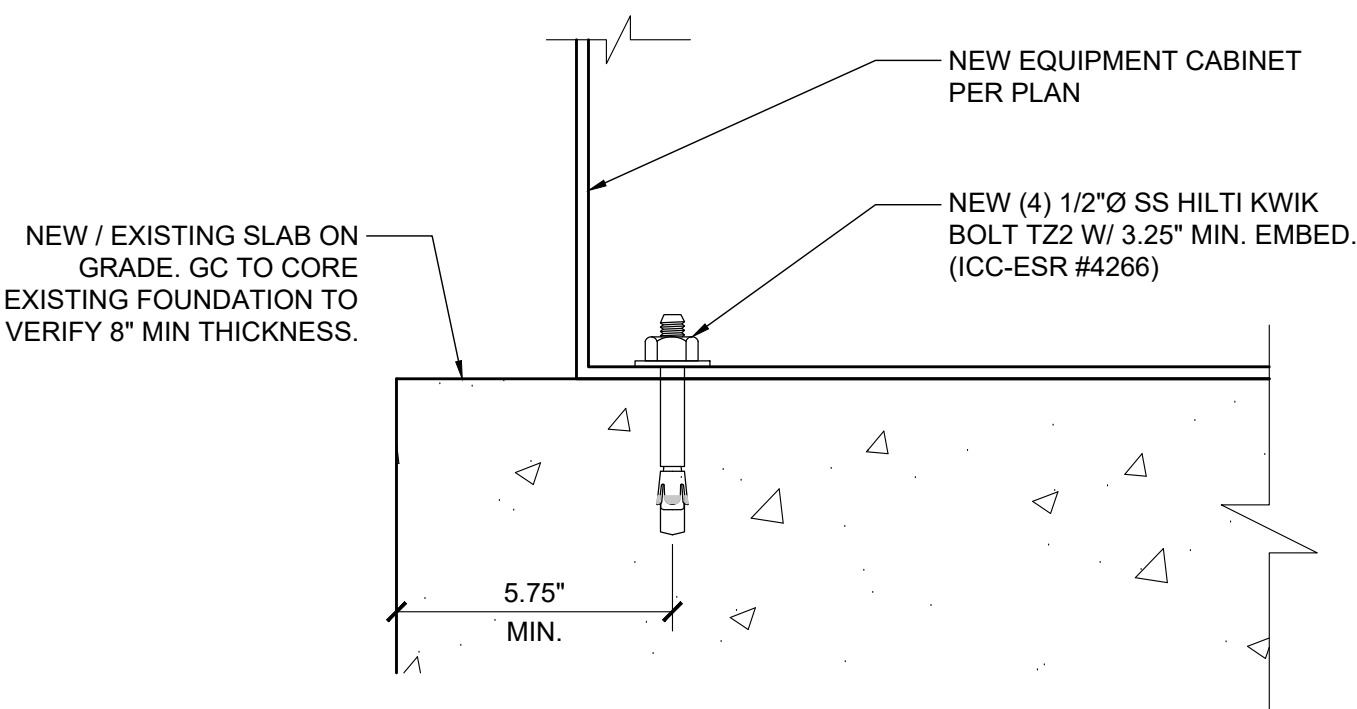
PAD AND WALL.....3/4 IN.
BEAMS AND COLUMNS.....1 1/2 IN.

- A CHAMFER 3/4" SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNO, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.
- GRAVEL SHALL BE NATURAL OR CRUSHED STONE WITH 100% PASSING 1 INCH SIEVE.
- DIMENSIONS SHOWN ARE EXACT MINIMUM PAD SIZES REQUIRED FOR EQUIPMENT LAYOUTS - CONTRACTOR MAY ROUND UP TO THE NEAREST FOOT (OR HALF FOOT) IF LEASE AREA AND SPACE PERMIT.

CONCRETE SLAB DETAIL

SCALE
NONE

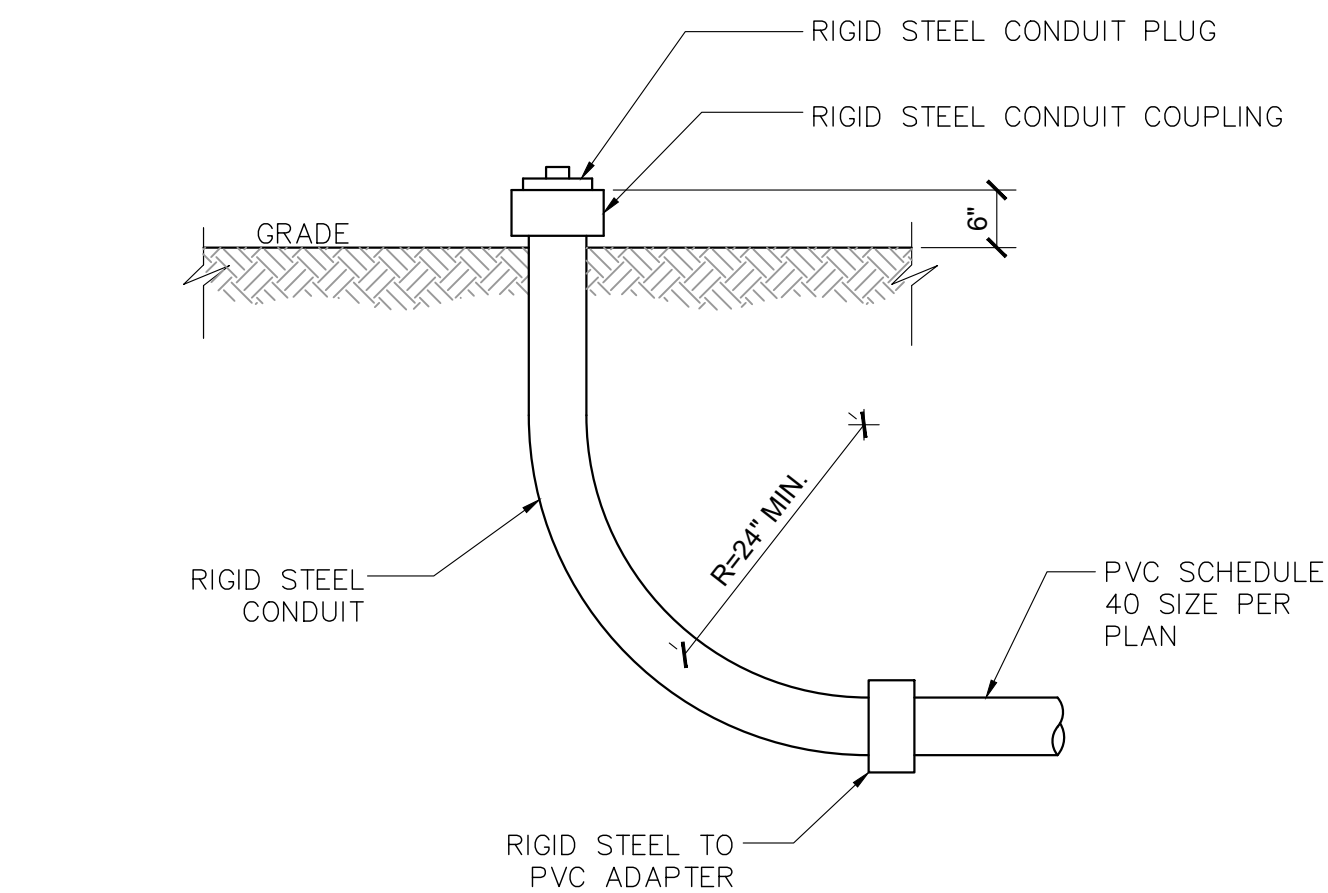
8



EQUIPMENT ANCHORAGE

SCALE
NONE

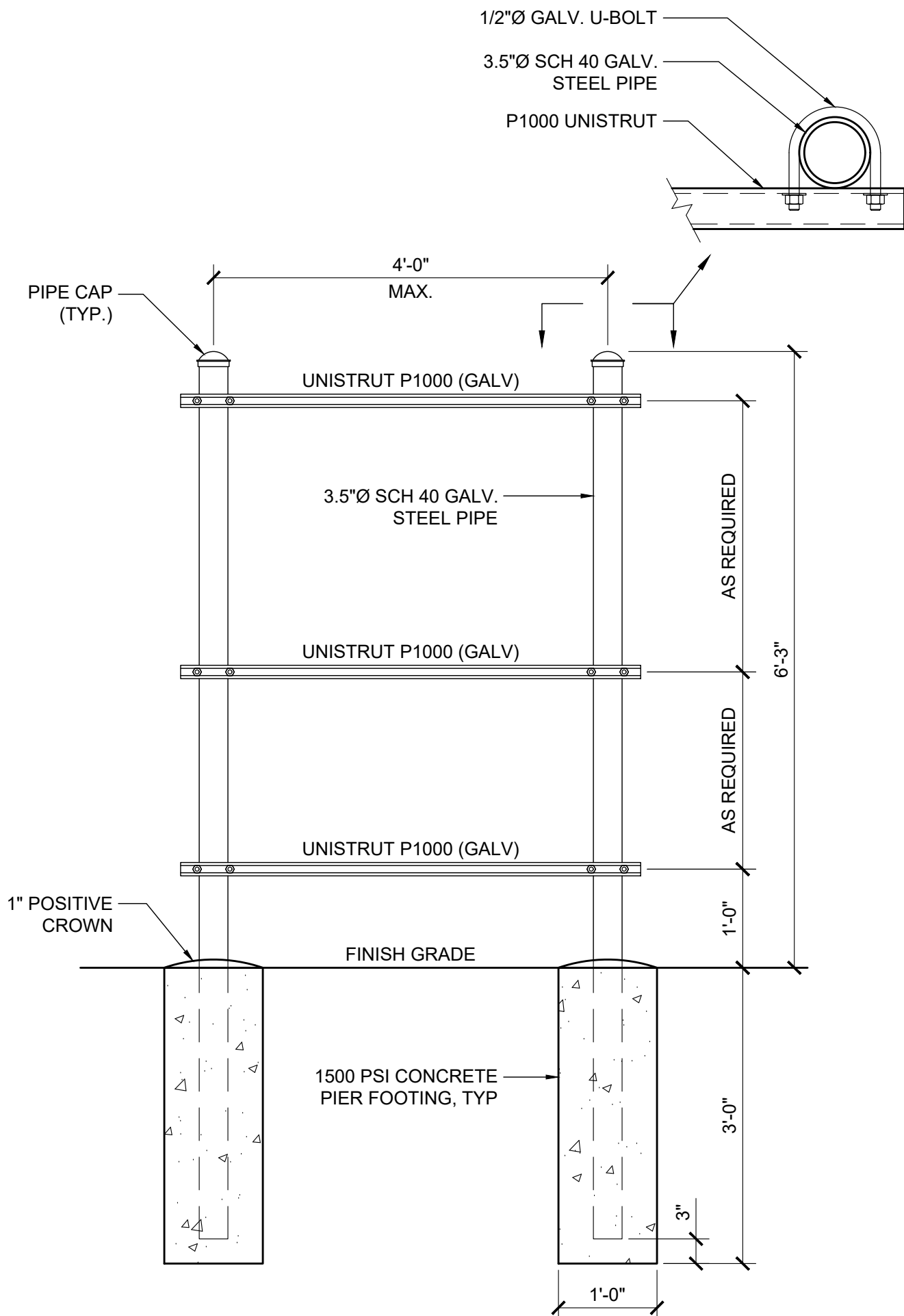
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STUB-UP DETAIL

SCALE
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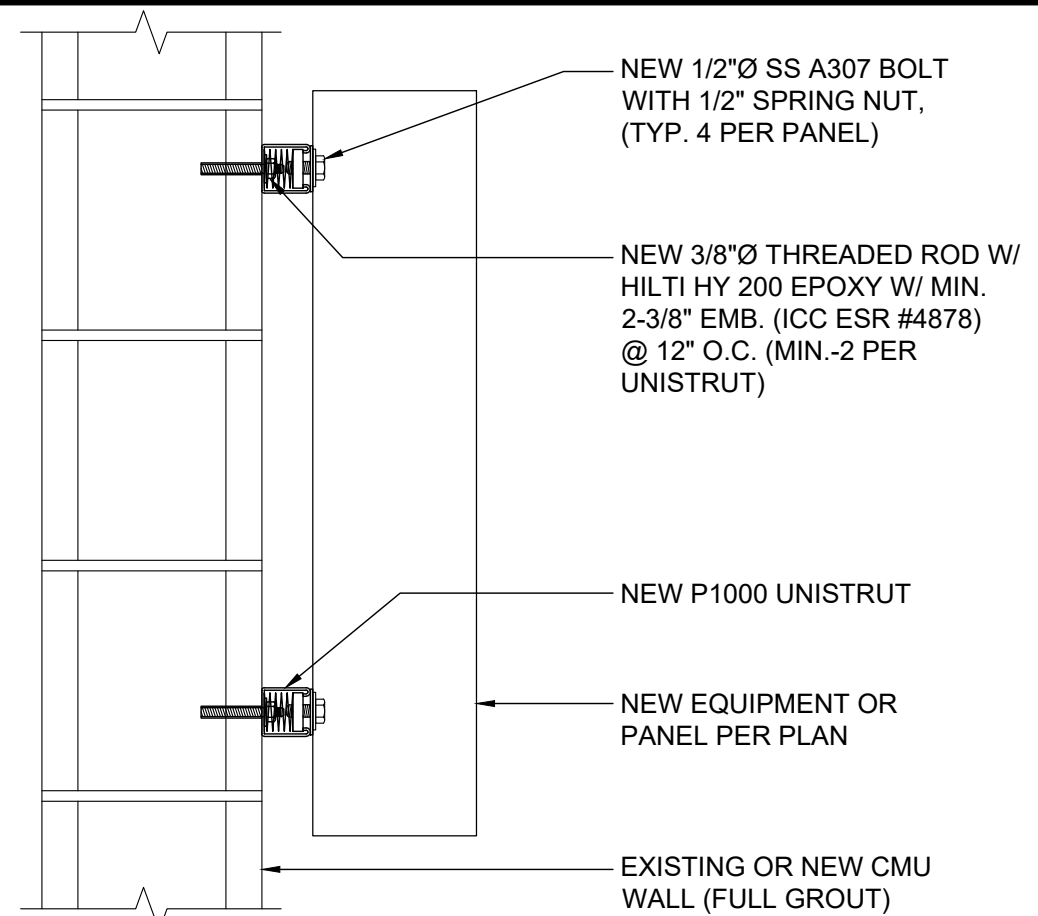
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UTILITY H-FRAME

SCALE
NONE

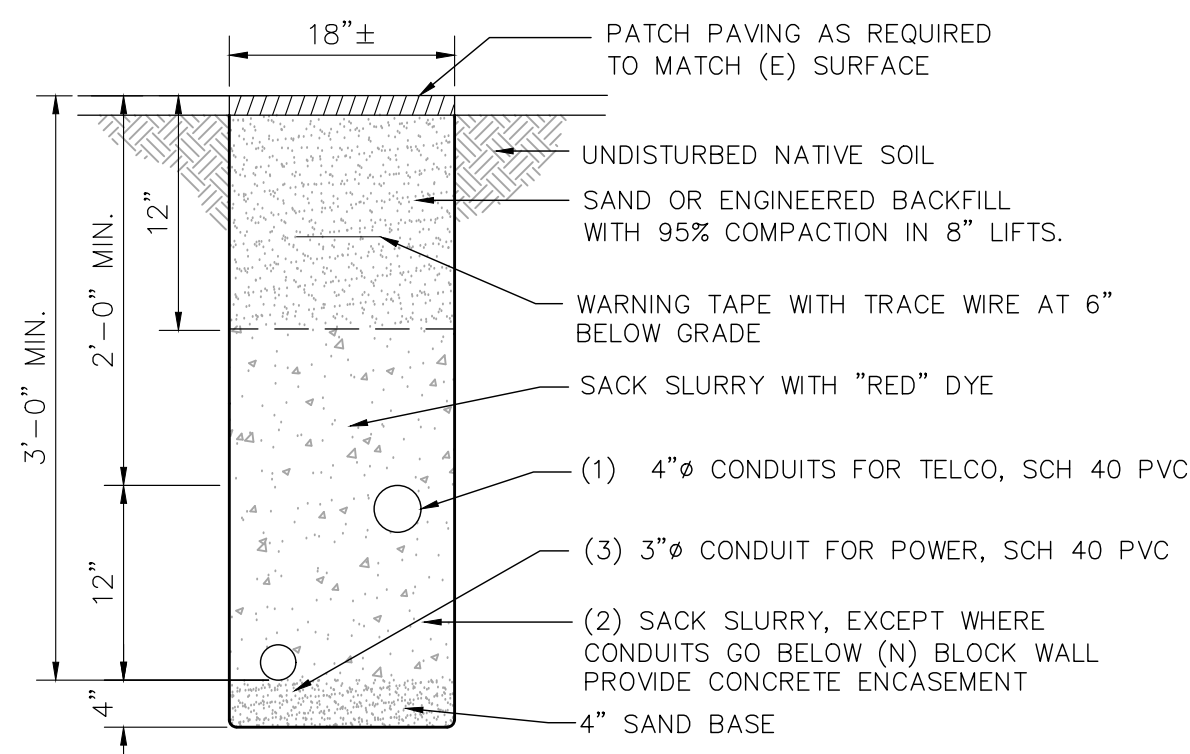
5



PANEL MOUNTING

SCALE
NONE

4



UTILITY TRENCH

SCALE
NONE

3

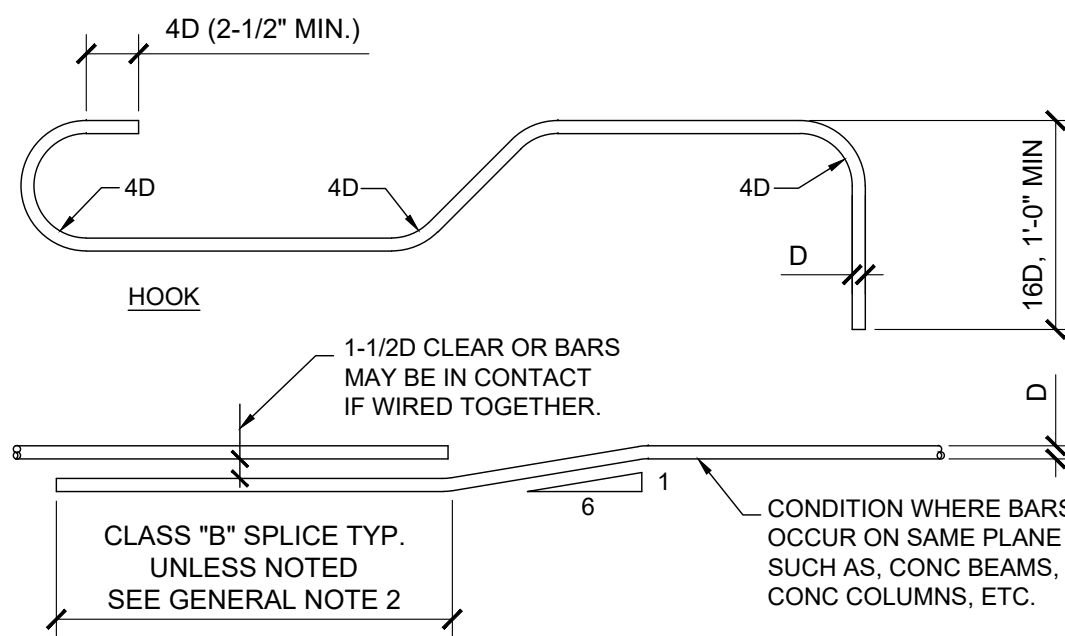
NOT USED

CONCRETE MASONRY BLOCK

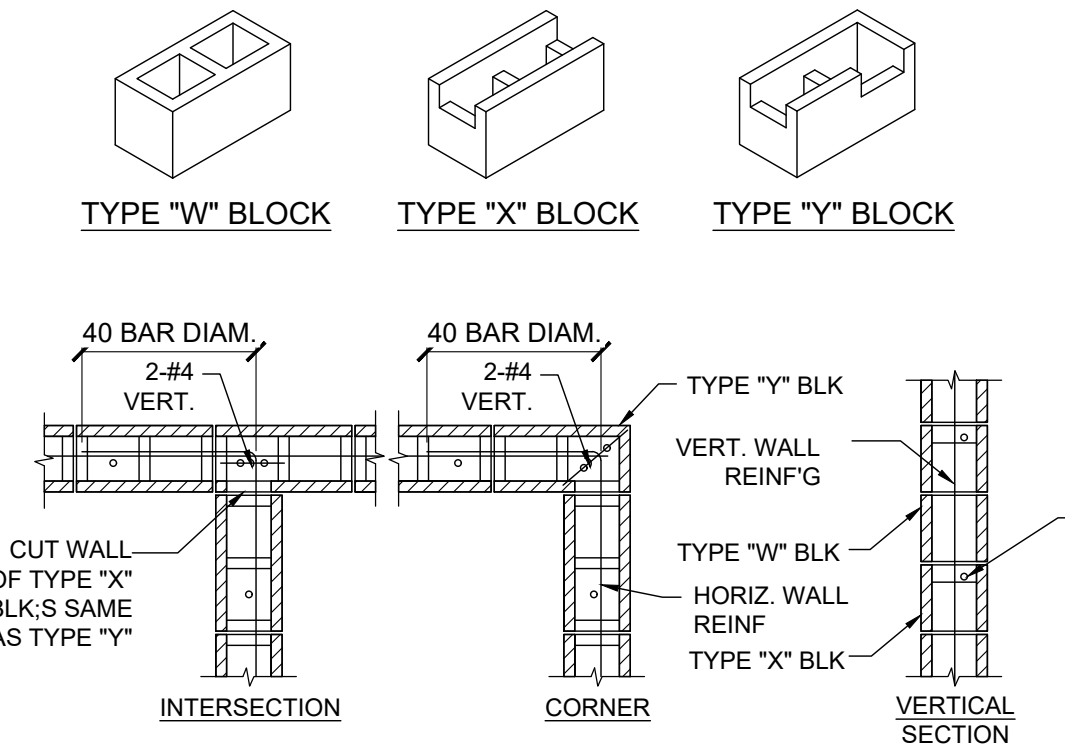
- MASONRY UNITS FOR HOLLOW UNIT MASONRY SHALL COMPLY WITH SECTION 2103 OF THE CBC. CONSTRUCTION SHALL COMPLY WITH CHAPTER 21 OF THE CBC AND LOCAL CODES. MASONRY SHALL BE LAID IN STRAIGHT UNIFORM COURSES IN RUNNING BOND. JOINTS SHALL BE TOOLED CONCAVE AND BE UNIFORM IN SIZE. TIE INTERSECTING WALLS BY OVERLAPPING UNITS IN ALTERNATE COURSES. ROUGHEN AND CLEAN CONCRETE BEARING SURFACES FOR THE PLACEMENT OF THE FIRST COURSE. VERTICAL HEAD JOINTS SHALL BE FILLED SOLID AND SHOVED TIGHTLY TO PROVIDE BOND TO BOTH BLOCKS.
- MORTAR SHALL BE FRESHLY PREPARED AND UNIFORMLY MIXED OF 1 PART PORTLAND CEMENT, 1/2 MAXIMUM TO 1/4 MINIMUM PARTS LIME PUTTY OR HYDRATED LIME, AND 3 PARTS SAND.
- GROUT SHALL BE FLUID CONSISTENCY AND MIXED IN RATIO OF 1 PART CEMENT AND 3 PARTS SAND FOR GROUT SPACES LESS THAN 4" IN ANY DIRECTION. FOR SPACES GREATER THAN 4" THE RATIO IS TO BE 1 PART CEMENT, 2 PARTS SAND AND 2 PARTS PEA GRAVEL. AGGREGATE AND SAND SHALL CONFORM TO ASTM C-144. SOLID GROUT ALL CELLS.
- USE CARE TO PREVENT MORTAR AND GROUT SPILLAGE ON THE FACE OF THE MASONRY. CLEAN SUCH SPILLAGE IMMEDIATELY. REPAIR ANY DAMAGES OR INTERSTICES BETWEEN BLOCK AND REMOVE STAINS AT THE COMPLETION OF WORK.
- SPLICE ALL BARS IN MASONRY WITH A MINIMUM OF 48 BAR DIAMETER LAPS (2'-0" MINIMUM).
- ALL ISOLATED BOLTS EMBEDDED IN MASONRY SHALL BE GROUTED SOLIDLY IN PLACE WITH NOT LESS THAN 2" OF GROUT SURROUNDING THE BOLT.
- SEAL RETAINING FACE OF WALL AND FOOTING WITH 2 COATS OF HENRY'S 502 ASPHALTIC MASTIC.

CONSTRUCTION MATERIALS SPECIFICATIONS.

- ALL CONCRETE AND GROUT SHALL BE MIN. $f_c = 2500$ PSI.
- CMU BLOCK SHALL BE MIN. $f_m = 1500$ PSI. 8"x8"x16" U.N.O.
- ALL STEEL SHALL BE GRADE 60. $f_y = 60,000$ PSI, $F_s = 24,000$ PSI



REINF. BENDING DETAIL



- NOTES
- GROUT ALL CELLS.
 - VERTICAL REINFORCING TO BE AT CENTER OF WALL UNLESS NOTED OTHERWISE.
 - ALSO SEE GENERAL MASONRY NOTES.

CMU WALL DETAIL

SCALE
NONE

1



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DRAWN BY:	UTILITIES CHECKED BY:	A&E CHECKED BY:
DW/AS	GD	RB

CONSTRUCTION DRAWINGS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	04/26/24	90% CONSTRUCTION DRAWINGS
B	08/29/24	JX COMMENTS
0	03/12/24	100% CONSTRUCTION DRAWINGS

PROJECT INFORMATION

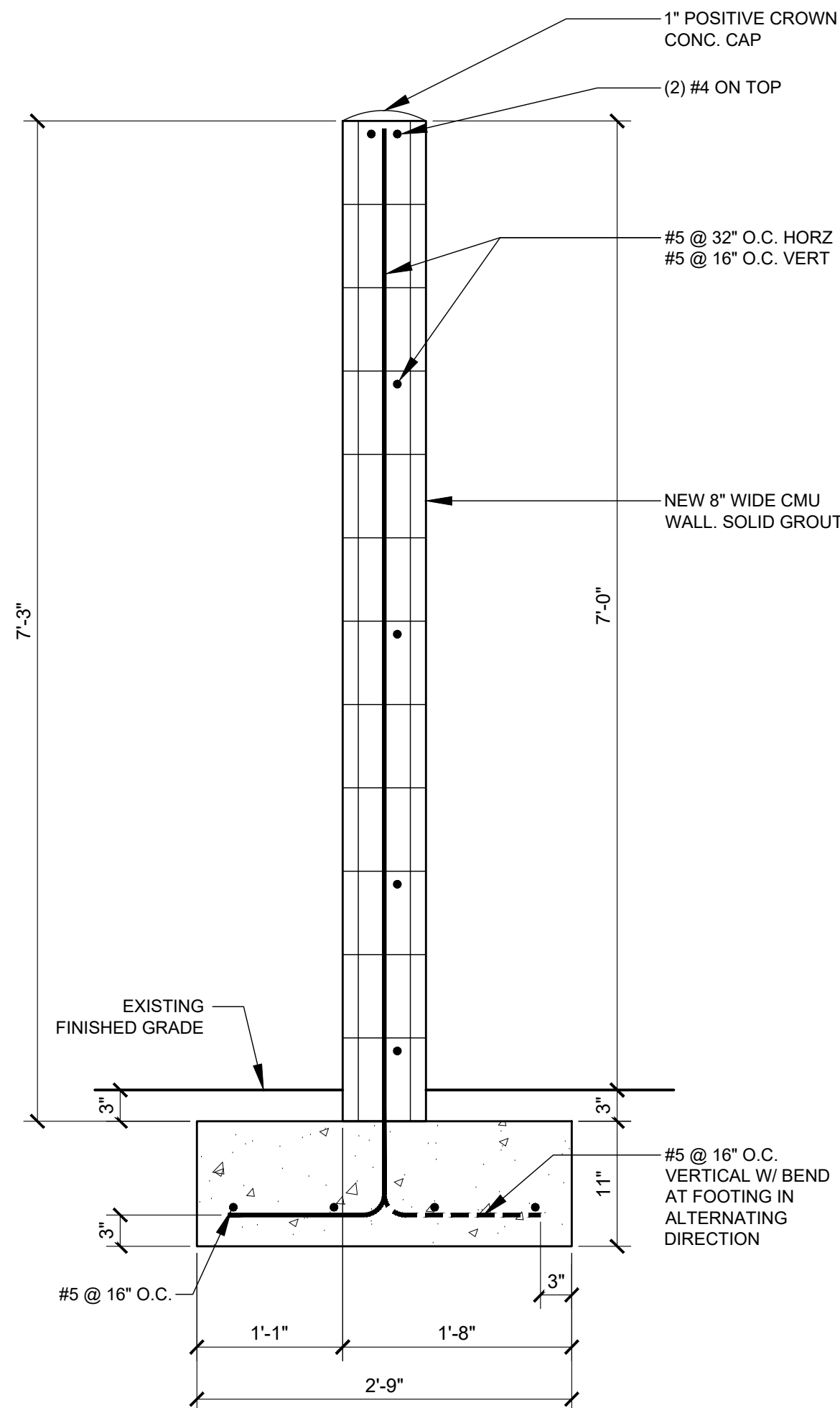
CLL05463

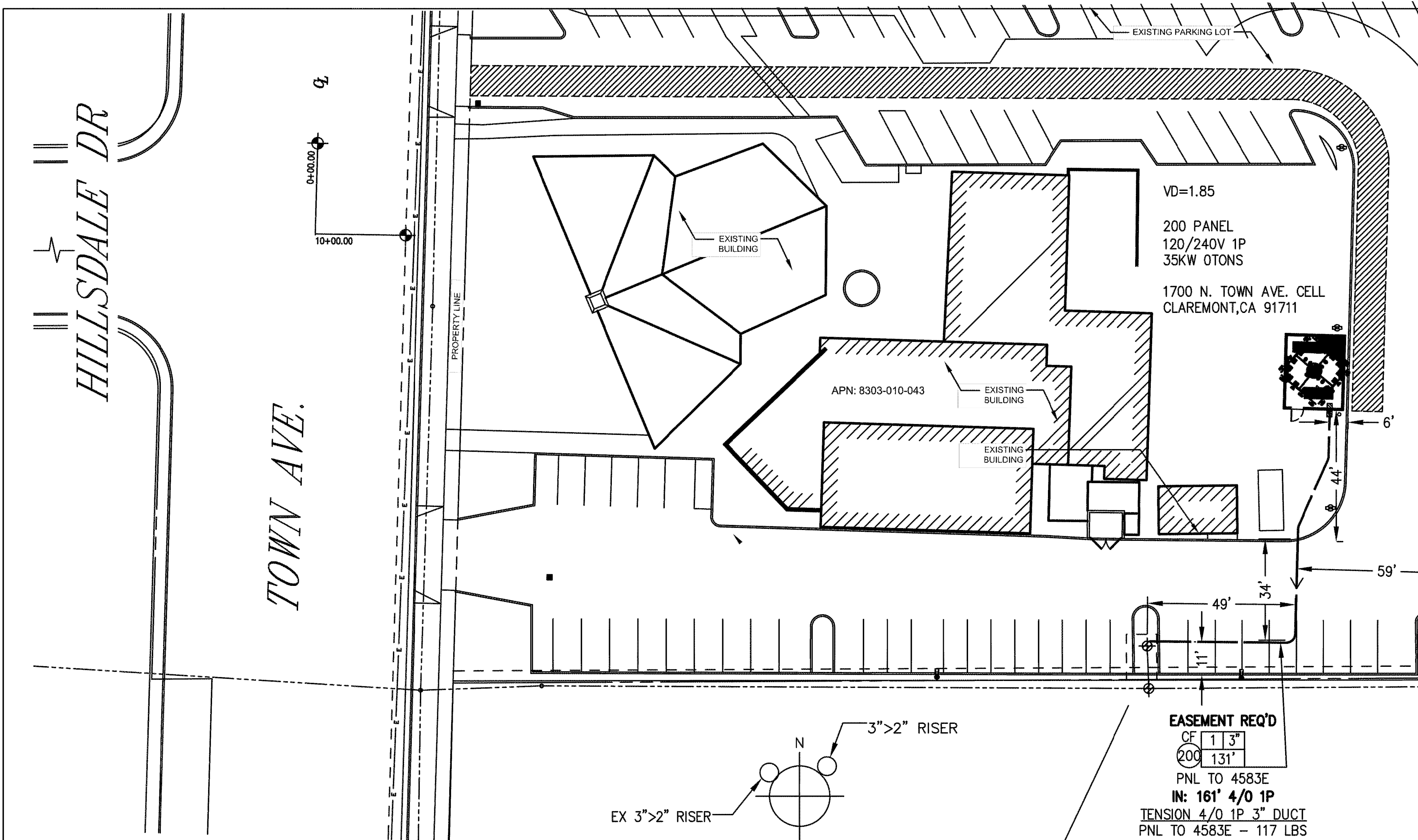
1700 N. TOWNE AVE.
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SHEET TITLE CONSTRUCTION DETAILS

SHEET NUMBER

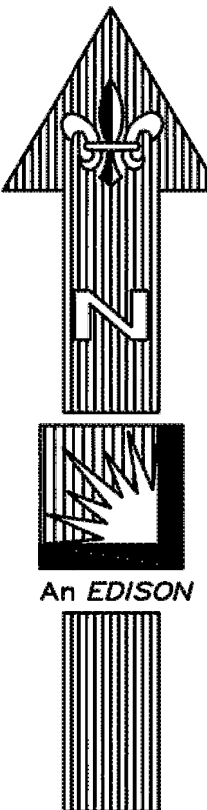
A-8





PROJECT REQUIREMENTS (Y/N)	
EDISON EASEMENT REQUIRED	<input checked="" type="checkbox"/>
PWRD 88 REQUIRED	<input type="checkbox"/>
UG CIVIL ONLY WORK ORDER	<input type="checkbox"/>
PERMIT REQUIRED	<input type="checkbox"/>
PERMIT TYPE:	
OUTAGE REQUIRED	<input type="checkbox"/>
OUTAGE DATE:	TIME:
TRAFFIC CONTROL REQUIRED	<input type="checkbox"/>
PED. TRAFFIC CONTROL REQ'D	<input type="checkbox"/>
CONVEYANCE LETTER REQ'D	<input type="checkbox"/>
ENVIRONMENTAL REQUIREMENTS DOCUMENT (ERD) REQUIRED	<input type="checkbox"/>
CSD 140 (TLM) REQ'D	<input type="checkbox"/>
DIG ALERT APP	<input checked="" type="checkbox"/>
VERIFIED ACTIVE AND CONFIRMED USA TICKETS	<input type="checkbox"/>
UTILQUEST NOTIFIED	<input type="checkbox"/>
STANDARD ADHERENCE: <u>1</u> Q/ <u>23</u> Y	

D124: Rev. 10/12/21



SCALE: 1" = 40'

FINAL DESIGN
APPROVED FOR CONSTRUCTION

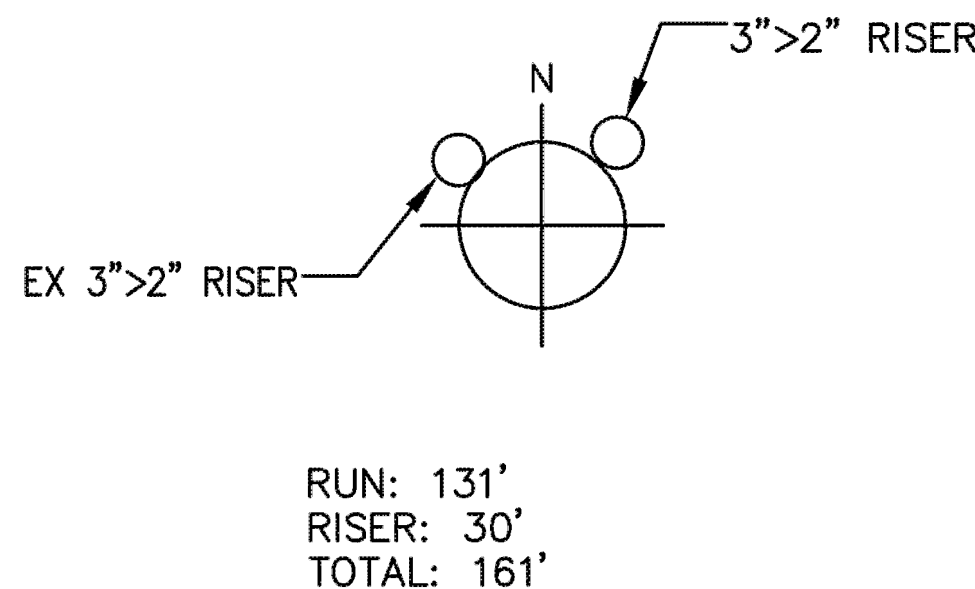
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Dial 811 or 800-422-4133
www.digalert.org/contact

For Underground Locating
Two Working Days Before You Dig

D16: Rev. 05/28/20

T.L.M. DATA: 1654583E				
	SIZE	KVA	CUST	% LOAD
EXIST.	<u>100</u>	<u>48.9</u>	<u>1</u>	<u>48.9%</u>
PROP.	<u>100</u>	<u>90.1</u>	<u>2</u>	<u>90.1%</u>
VOLTAGE DROP: <u>1.85</u>				
FLICKER FACTOR: <u>—</u>				
PRI. CIRCUIT: FORBES 12KV				

D27: REV. 12/10/21



TD2078262
EX: 1654583E
45' CLASS 2
IN: 1 - TM 2-4/0 & 1-1/0 600V 1P UG TO OH
IN: 1 - RSR 3" TO 2" EXTENSION
CF: 131' - CM DUCT 2 1/2" TO 4"
CF: 128' - CM DUCT FOR EXCAVATION
IN: 161' - CBL (2) 4/0, (1) 1/0 600V CLP PLEX
IN: 1 - MTR KWH 30A 120/240 1P 3W
EX: 2-25KVA & 1-50KVA 12KV 120/240 1P

DISTRICT 26 - COVINA	PROJ. MGR. HUNTER, YOLANDA PHONE 909-477-6471	PLANNER WITCHELL, WAYNE PHONE 714-796-9810	DESIGNER QUINONEZ, KATHLEENA
PROJECT NO. 2537924	SERVICE REQUEST 3426815	MSR NO.	PRODUCT-1 2078262-NEW METER & SERVICE
CIRCUIT / VOLTAGE FORBES 12KV	GPS	PRODUCT-2	ASSOC DESGN 1583101
SUB / PG NO. LIVE OAK	CIRCUIT CODE 06634	PRODUCT-3	ASSOC DESGN
INVENTORY MAP 155-4366-5	J.P.A. NO.	PROPOSED CONSTRUCTION (LOCATION) AT&T MOBILITY SITE #CLL05463 1700 N TOWNE AVE CLAREMONT CA 91711	
F 01/17/23	C. ANDRADE	W. WITCHELL	K. QUINONEZ
TYPE DATE	APPROVED BY	CHECKED BY	DRAWN BY
Southern California Edison Company			
SHEET 2 of 2		DESIGN\DRWG NO. 1583101_0.01	



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DW/AS	GD	RB

CONSTRUCTION
DRAWINGS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	04/26/24	90% CONSTRUCTION DRAWINGS
B	08/29/24	JX COMMENTS
0	03/12/24	100% CONSTRUCTION DRAWINGS

PROJECT INFORMATION

CLL05463

1700 N. TOWNE AVE.
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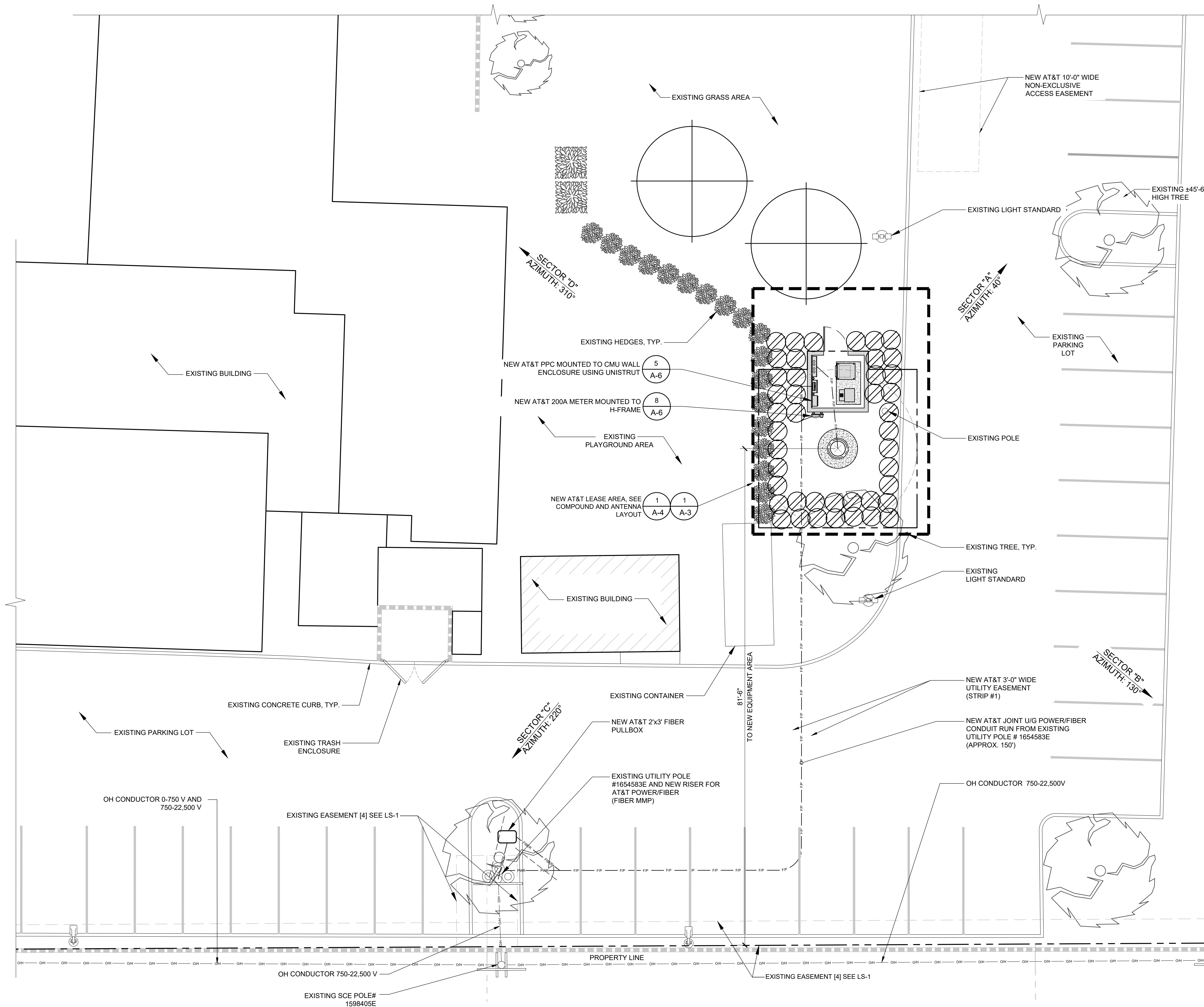
SHEET TITLE

UTILITY DESIGN

SHEET NUMBER

UD-1

NOTES:
1. THIS SITE PLAN IS NOT INTENDED
TO BE A LAND SURVEY.



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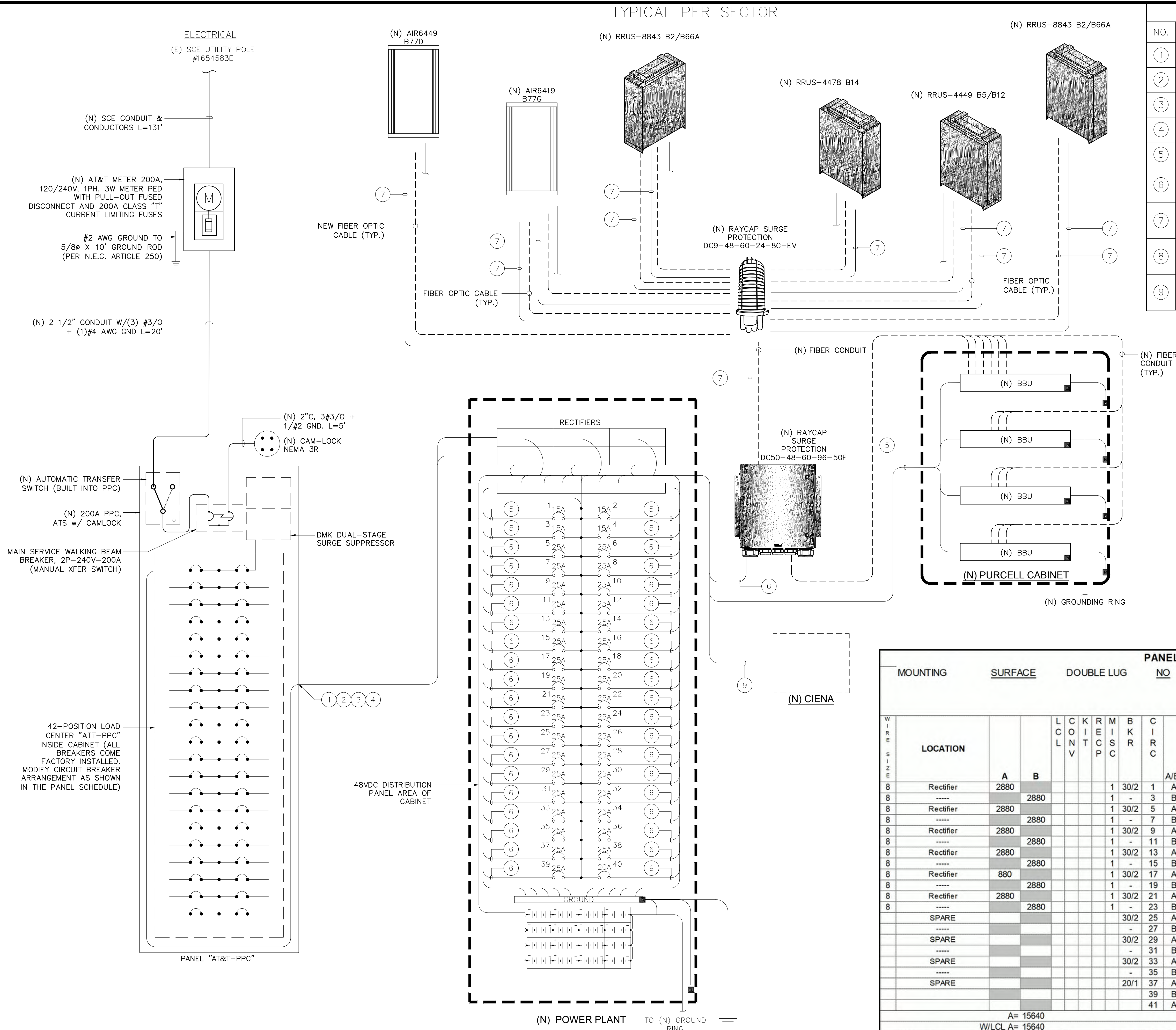
CLL05463

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SHEET TITLE ELECTRICAL SITE PLAN

SHEET NUMBER

E-1



CIRCUIT SCHEDULE				
NO.	FROM	TO	WIRE SIZE	BREAKER
①	AC SERVICE ENTRANCE CABINET	ENCLOSURE GFCI RECEPTACLE	PER PANEL SCHEDULE	120/240V AC-20A
②	AC SERVICE ENTRANCE CABINET	48VDC RECTIFIERS 1, 2, 3	PER PANEL SCHEDULE	120/240V AC-50A
③	AC SERVICE ENTRANCE CABINET	48VDC RECTIFIERS 4, 5	PER PANEL SCHEDULE	30A
④	AC SERVICE ENTRANCE CABINET	BATTERY HEATER MATS	PER PANEL SCHEDULE	20A
⑤	48VDC, POWER PLANT	(N) BBU (TYP.-4)	(8) #10 RRH DC CABLE	-48V DC 15A
⑥	48VDC, POWER PLANT	(N) RAYCAP SURGE SUPPRESSOR DC50-48-60-96-50F (TYP.-3)	(4) #10 RRH DC CABLE	N/A
⑦	(N) RAYCAP SURGE SUPPRESSOR DC50-48-60-96-50F (TYP.-3)	(N) RAYCAP SURGE SUPPRESSOR DC9-48-60-24-8C-EV (TYP.-3)	(6) #10 RRH DC CABLE	N/A
⑧	(N) RAYCAP SURGE SUPPRESSOR DC9-48-60-24-8C-EV (TYP.-3)	(N) REMOTE RADIO UNIT (TYP.-18)	(60) #8 RRH DC CABLE	-48V DC 25A
⑨	48VDC, POWER PLANT	(N) CIENA	(1) #8 RRH DC CABLE	20A



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DW/AS	GD	RB

CONSTRUCTION DRAWINGS

SUBMITTALS

[illegible]

PROJECT INFORMATION

CLL05463

1700 N. TOWNE AVE.
CLAREMONT, CA 91711

SHEET TITLE

SINGLE LINE DIAGRAM / PANEL SCHEDULE

SHEET NUMBER

E-2

EUKON AT&T 90CD_MONOPOLE_TEMPLATE_V2_11-18-22

NOT USED

2

ELECTRICAL NOTES

1

GENERAL REQUIREMENTS

- A. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST RULES AND REGULATIONS OF THE NATIONAL ELECTRIC CODE AND ALL STATE AND LOCAL CODES. NOTHING IN THESE PLANS OR SPECIFICATIONS SHALL BE CONSTRUED AS TO PERMIT WORK NOT CONFORMING TO THE MOST STRINGENT OF THESE CODES. SHOULD CHANGES BE NECESSARY IN THE DRAWINGS OR SPECIFICATIONS TO MAKE THE WORK COMPLY WITH THESE REQUIREMENTS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING AND CEASE WORK ON PARTS OF THE CONTRACT WHICH ARE AFFECTED.
- B. THE CONTRACTOR SHALL MAKE A SITE VISIT PRIOR TO BIDDING AND CONSTRUCTION TO VERIFY ALL EXISTING CONDITIONS AND SHALL NOTIFY THE ARCHITECT IMMEDIATELY UPON DISCOVERY OF ANY DISCREPANCIES. THE CONTRACTOR ASSUMES ALL LIABILITY FOR FAILURE TO COMPLY WITH THIS PROVISION.
- C. THE EXTENT OF THE WORK IS INDICATED BY THE DRAWINGS, SCHEDULES, AND SPECIFICATIONS AND IS SUBJECT TO THE TERMS AND CONDITIONS OF THE CONTRACT. THE WORK SHALL CONSIST OF FURNISHING ALL LABOR, EQUIPMENT, MATERIALS AND SUPPLIES NECESSARY FOR A COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM. THE WORK SHALL ALSO INCLUDE THE COMPLETION OF ALL ELECTRICAL WORK NOT MENTIONED OR SHOWN WHICH ARE NECESSARY FOR SUCCESSFUL OPERATION OF ALL SYSTEMS.
- D. THE CONTRACTOR SHALL PREPARE A BID FOR A COMPLETE AND OPERATIONAL SYSTEM, WHICH INCLUDES THE COST FOR MATERIAL AND LABOR.
- E. WORKMANSHIP AND NEAT APPEARANCE SHALL BE AS IMPORTANT AS THE OPERATION. DEFECTIVE OR DAMAGED MATERIALS SHALL BE REPLACED OR REPAIRED PRIOR TO FINAL ACCEPTANCE IN A MANNER ACCEPTABLE TO OWNER AND ENGINEER.
- F. COMPLETE THE ENTIRE INSTALLATION AS SOON AS THE PROGRESS OF THE WORK WILL PERMIT. ARRANGE ANY OUTAGE OF SERVICE WITH THE OWNER AND BUILDING MANAGER IN ADVANCE. MINIMIZE DOWNTIME ON THE BUILDING ELECTRICAL SYSTEM.
- G. THE ENTIRE ELECTRICAL SYSTEM INSTALLED UNDER THIS CONTRACT SHALL BE DELIVERED IN PROPER WORKING ORDER. REPLACE, WITHOUT ADDITIONAL COST TO THE OWNER, ANY DEFECTIVE MATERIAL AND EQUIPMENT WITHIN ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE.
- H. ANY ERROR, OMISSION OR DESIGN DISCREPANCY ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION OR CORRECTION BEFORE CONSTRUCTION.
- I. "PROVIDE": INDICATES THAT ALL ITEMS ARE TO BE FURNISHED, INSTALLED AND CONNECTED IN PLACE.
- J. CONTRACTOR SHALL SECURE ALL NECESSARY BUILDING PERMITS AND PAY ALL REQUIRED FEES.

EQUIPMENT LOCATION

- A. THE DRAWINGS INDICATE DIAGRAMMATICALLY THE DESIRED LOCATIONS OR ARRANGEMENTS OF CONDUIT RUNS, OUTLETS, EQUIPMENT, ETC., AND ARE TO BE FOLLOWED AS CLOSELY AS POSSIBLE. PROPER JUDGMENT MUST BE EXERCISED IN EXECUTING THE WORK SO AS TO SECURE THE BEST POSSIBLE INSTALLATION IN THE AVAILABLE SPACE AND TO OVERCOME LOCAL DIFFICULTIES DUE TO SPACE LIMITATIONS OR INTERFERENCE OF STRUCTURE CONDITIONS ENCOUNTERED.
- B. IN THE EVENT CHANGES IN THE INDICATED LOCATIONS OR ARRANGEMENTS ARE NECESSARY, DUE TO FIELD CONDITIONS IN THE BUILDING CONSTRUCTION OR REARRANGEMENT OF FURNISHINGS OR EQUIPMENT, SUCH CHANGES SHALL BE MADE WITHOUT COST, PROVIDING THE CHANGE IS ORDERED BEFORE THE CONDUIT RUNS, ETC., AND WORK DIRECTLY CONNECTED TO THE SAME IS INSTALLED AND NO EXTRA MATERIALS ARE REQUIRED.
- C. LIGHTING FIXTURES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS ONLY. COORDINATE THE FIXTURE LOCATION WITH MECHANICAL EQUIPMENT TO AVOID INTERFERENCE.
- D. COORDINATE THE WORK OF THIS SECTION WITH THAT OF ALL OTHER TRADES. WHERE CONFLICTS OCCUR, CONSULT WITH THE RESPECTIVE CONTRACTOR AND COME TO AGREEMENT AS TO CHANGES NECESSARY. OBTAIN WRITTEN ACCEPTANCE FROM ENGINEER FOR THE PROPOSED CHANGES BEFORE PROCEEDING.

SHOP DRAWINGS

- A. SUBMIT SIX (6) COPIES OF SHOP DRAWINGS TO THE ARCHITECT FOR APPROVAL WITHIN 35 DAYS OF AWARD OF CONTRACT. SHOP DRAWINGS SHALL BE SUBMITTED IN A COMPLETE BOUND MANUAL INCLUDING LIGHT FIXTURES, SERVICE METERING, TRANSFER SWITCH, PANELBOARD, AND DISCONNECT SWITCHES. THE CONTRACTOR SHALL VERIFY DIMENSIONS OF EQUIPMENT TO INSURE THAT THEY FIT IN THE DESIGNATED AREA AND COMPLY WITH REQUIREMENTS OF ALL APPLICABLE CODES FOR REQUIRED WORKING CLEARANCES ABOUT ELECTRICAL EQUIPMENT PRIOR TO SUBMITTING SHOP DRAWINGS FOR APPROVAL. DEPARTURE FROM THE ABOVE WILL RESULT IN RE-SUBMITTAL AND DELAYS.

SUBSTITUTIONS

- A. NO SUBSTITUTIONS ARE ALLOWED.

TESTS

- A. BEFORE FINAL ACCEPTANCE OF WORK, THE CONTRACTOR SHALL INSURE THAT ALL EQUIPMENT, SYSTEMS, FIXTURES, ETC., ARE WORKING SATISFACTORILY AND TO THE INTENT OF THE DRAWINGS.

PERMITS

- A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING OUT AND PAYING FOR ALL THE REQUIRED PERMITS, INSPECTION AND EXAMINATION WITHOUT ADDITIONAL EXPENSE TO THE OWNER.

GROUNDING

- A. THE CONTRACTOR SHALL PROVIDE A COMPLETE, AND APPROVED GROUNDING SYSTEM INCLUDING ELECTRODES. ELECTRODE CONDUCTOR, BONDING CONDUCTORS, AND EQUIPMENT CONDUCTORS AS REQUIRED BY ARTICLE 250 OF NATIONAL ELECTRICAL CODE.

- B. CONDUITS CONNECTED TO EQUIPMENT AND DEVICES SHALL BE METALLICALLY JOINED TOGETHER TO PROVIDE EFFECTIVE ELECTRICAL CONTINUITY.
- C. FEEDERS AND BRANCH CIRCUIT WIRING INSTALLED IN A NONMETALLIC CONDUIT SHALL INCLUDE A CODE SIZED GROUNDING CONDUCTOR HAVING GREEN INSULATION. THE GROUND CONDUCTOR SHALL BE PROPERLY CONNECTED AT BOTH ENDS TO MAINTAIN ELECTRICAL CONTINUITY.
- D. REFER TO GROUND BUS DETAILS. PROVIDE NEW GROUND SYSTEM COMPLETE WITH CONDUCTORS, GROUND ROD AND DESCRIBED TERMINATIONS.
- E. ALL GROUNDING CONDUCTORS SHALL BE SOLIDINNED COPPER AND ANNEALED #8 UNLESS NOTED OTHERWISE.
- F. ALL NON-DIRECT BURIED TELEPHONE EQUIPMENT GROUND CONDUCTORS SHALL BE #2 STRANDED, THHN (GREEN) INSULATION.
- G. ALL GROUND CONNECTIONS SHALL BE MADE WITH "HYGROUND" COMPRESSION SYSTEM BURNDY CONNECTORS EXCEPT WHERE NOTED OTHERWISE.
- H. PAINT AT ALL GROUND CONNECTIONS SHALL BE REMOVED.
- I. GROUNDING SYSTEM RESISTANCE SHALL NOT EXCEED 5 OHMS. IF THE RESISTANCE VALUE IS EXCEEDED, NOTIFY THE OWNER FOR FUTURE INSTRUCTION ON METHODS FOR REDUCING THE RESISTANCE VALUE. SUBMIT TEST REPORTS AND FURNISH TO SMART SMR ONE COMPLETE SET OF PRINTS SHOWING "INSTALLED WORK".

UTILITY SERVICE

- A. TELEPHONE AND ELECTRICAL METERING FACILITIES SHALL CONFORM TO THE REQUIREMENTS OF THE SERVING UTILITY COMPANIES. CONTRACTOR SHALL VERIFY SERVICE LOCATIONS AND REQUIREMENTS. SERVICE INFORMATION WILL BE FURNISHED BY THE SERVING UTILITIES.
- B. CONFORM TO ALL REQUIREMENTS OF THE SERVING UTILITY COMPANIES.

PRODUCTS

- A. ALL MATERIALS SHALL BE NEW, CONFORMING WITH THE NEC, ANSI, NEMA, AND THEY SHALL BE U.L. LISTED AND LABELED.
- B. CONDUIT
1. RIGID CONDUIT SHALL BE U.L. LABEL GALVANIZED ZINC COATED WITH ZINC INTERIOR AND SHALL BE USED WHEN INSTALLED IN OR UNDER CONCRETE SLABS, IN CONTACT WITH THE EARTH, UNDER PUBLIC ROADWAYS, IN MASONRY WALLS OR EXPOSED ON BUILDING EXTERIOR, RIGID CONDUIT IN CONTACT WITH EARTH SHALL BE 1/2 LAPPED WRAPPED WITH HUNTS WRAP PROCESS NO. 3.
2. ELECTRICAL METALLIC TUBING SHALL HAVE U.L. LABEL, FITTINGS SHALL BE COMPRESSION TYPE. EMT SHALL BE USED ONLY FOR INTERIOR RUNS.
3. FLEXIBLE METALLIC CONDUIT SHALL HAVE U.L. LISTED LABEL AND MAY BE USED WHERE PERMITTED BY CODE. FITTINGS SHALL BE "JAKE" OR "SQUEEZE" TYPE. SEAL TIGHT FLEXIBLE CONDUIT. ALL CONDUIT IN EXCESS OF SIX FEET IN LENGTH SHALL HAVE FULL SIZE GROUND WIRE.
4. CONDUIT RUNS MAY BE SURFACE MOUNTED IN CEILING OR WALLS UNLESS INDICATED OTHERWISE. CONDUIT INDICATED SHALL RUN PARALLEL OR AT RIGHT ANGLES TO CEILING, FLOOR OR BEAMS. VERIFY EXACT ROUTING OF ALL EXPOSED CONDUIT WITH ARCHITECT PRIOR TO INSTALLING.
5. ALL UNDERGROUND CONDUITS SHALL BE PVC SCHEDULE 40 (UNLESS NOTED OTHERWISE) AT A MINIMUM DEPTH OF 24" BELOW GRADE.
6. ALL CONDUIT ONLY (C.O.) SHALL HAVE PULL ROPE.
7. CONDUITS RUN ON ROOFS SHALL BE INSTALLED ON 4 X 4 REDWOOD SLEEPERS, 6'-0" ON CENTER, SET IN NON-HARDENING MASTIC.
- C. ALL WIRE AND CABLE SHALL BE COPPER, 600 VOLT, #12 AWG MINIMUM UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS. CONDUCTORS #10 AWG AND SMALLER SHALL BE SOLID. CONDUCTORS #8 AWG AND LARGER SHALL BE STRANDED. TYPE THHN INSULATION USED UNLESS CONDUCTORS INSTALLED IN CONDUIT EXPOSED TO WEATHER, IN WHICH CASE TYPE THWN INSULATION SHALL BE USED.
- D. PROVIDE GALVANIZED COATED STEEL BOXES AND ACCESSORIES SIZED PER CODE TO ACCOMMODATE ALL DEVICES AND WIRING.
- E. DUPLEX RECEPTACLES SHALL BE SPECIFICATION GRADE WITH WHITE FINISH (UNLESS NOTED BY ENGINEER), 20 AMP, 125 VOLT, THREE WIRE GROUNDING TYPE, NEMA 5-20R, MOUNT RECEPTACLE AT +12" ABOVE FINISHED FLOOR UNLESS OTHERWISE INDICATED ON DRAWINGS OR IN DETAILS. WEATHERPROOF RECEPTACLES SHALL BE GROUND FAULT INTERRUPTER TYPE WITH SIERRA #WPD-8 LIFT COVERPLATES.
- F. TOGGLE SWITCHES SHALL BE 20 AMP, 120 VOLT AC, SPECIFICATION GRADE WHITE (UNLESS NOTED OTHERWISE) FINISH. MOUNT SWITCHES AT +48" ABOVE FINISHED FLOOR.
- G. PANELBOARDS SHALL BE DEAD FRONT SAFETY TYPE WITH ANTI-BURN SOLDERLESS COMPRESSION APPROVED FOR COPPER CONDUCTORS, COPPER BUS BARS, FULL SIZED NEUTRAL BUS, GROUND BUS AND EQUIPPED WITH QUICK- MAKE QUICK-BREAK BOLT-IN TYPE THERMAL MAGNETIC CIRCUIT BREAKERS. MOUNT TOP OF THE PANELBOARDS AT 6'-3" ABOVE FINISHED FLOOR. PROVIDE TYPEWRITTEN CIRCUIT DIRECTORY.
- H. ALL CIRCUIT BREAKERS, MAGNETIC STARTERS AND OTHER ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTING RATING NOT LESS THAN MAXIMUM SHORT CIRCUIT CURRENT TO WHICH THEY MAY BE SUBJECTED.
- I. GROUND RODS SHALL BE COPPER CLAD STEEL, 5/8" ROUND AND 10' LONG. COPPER WELD OR APPROVED EQUAL.

INSTALLATION

- A. PROVIDE SUPPORTING DEVICES FOR ALL ELECTRICAL EQUIPMENT, FIXTURES, BOXES, PANEL, ETC., SUPPORT LUMINARIES FROM UNDERSIDE OF STRUCTURAL CEILING. EQUIPMENT SHALL BE BRACED TO WITHSTAND HORIZONTAL FORCES IN ACCORDANCE WITH STATE AND LOCAL CODE REQUIREMENTS. PROVIDE PRIOR ALIGNMENT AND LEVELING OF ALL DEVICES AND FIXTURES.
- B. CUTTING, PATCHING, CHASES, OPENINGS: PROVIDE LAYOUT IN ADVANCE TO ELIMINATE UNNECESSARY CUTTING OR DRILLING OF WALLS, FLOORS, CEILINGS, AND ROOFS. ANY DAMAGE TO BUILDING STRUCTURE OR EQUIPMENT SHALL BE REPAIRED BY THE CONTRACTOR. OBTAIN PERMISSION FROM THE ENGINEER BEFORE CORING.
- C. IN DRILLING HOLES INTO CONCRETE WHETHER FOR FASTENING OR ANCHORING PURPOSES, OR PENETRATIONS THROUGH THE FLOOR FOR CONDUIT RUNS, PIPE RUNS, ETC., IT MUST BE CLEARLY UNDERSTOOD THAT TENDONS AND/OR REINFORCING STEEL WILL NOT BE DRILLED INTO, CUT OR DAMAGED UNDER ANY CIRCUMSTANCES.
- D. LOCATION OF TENDONS AND/OR REINFORCING STEEL ARE NOT DEFINITELY KNOWN AND THEREFORE, MUST BE SEARCHED FOR BY APPROPRIATE METHODS AND EQUIPMENT VIA X-RAY OR OTHER DEVICES THAT CAN ACCURATELY LOCATE THE REINFORCING AND/OR STEEL TENDONS.
- E. PENETRATIONS IN FIRE RATED WALLS SHALL BE FIRE STOPPED IN ACCORDANCE WITH THE REQUIREMENTS OF THE C.B.C.

PROJECT CLOSEOUT

- A. UPON COMPLETION OF WORK, CONDUCT CONTINUITY, SHORT CIRCUIT, AND FALL POTENTIAL GROUNDING TESTS FOR APPROVAL. SUBMIT TEST REPORTS TO PROJECT MANAGER. CLEAN PREMISES OF ALL DEBRIS RESULTING FROM WORK AND LEAVE WORK IN A COMPLETE AND UNDAMAGED CONDITION.
- B. PROVIDE PROJECT MANAGER WITH ONE SET OF COMPLETE ELECTRICAL "AS INSTALLED" DRAWINGS AT THE COMPLETION OF THE JOB, SHOWING ACTUAL DIMENSIONS, ROUTINGS AND CIRCUITS.
- C. ALL BROCHURES, OPERATING MANUALS, CATALOG, SHOP DRAWINGS, ETC., SHALL BE TURNED OVER TO OWNER AT JOB COMPLETION.

GROUNDING NOTES

1. ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL GROUNDING INSTALLATION REQUIREMENTS AND CONSTRUCTION ACCORDING TO SITE CONDITIONS.
2. ALL GROUNDING CONDUCTORS: #2 AWG SOLID BARE TINNED COPPER WIRE UNLESS OTHERWISE NOTED.
3. GROUND BAR LOCATED IN BASE OF EQUIPMENT WILL BE PROVIDED, FURNISHED AND INSTALLED BY THE VENDOR.
4. ALL BELOW GRADE CONNECTIONS: EXOTHERMIC WELD TYPE, ABOVE GRADE CONNECTIONS: EXOTHERMIC WELD TYPE.
5. GROUND RING SHALL BE LOCATED A MINIMUM OF 24" BELOW GRADE OR 6" MINIMUM BELOW THE FROST LINE.
6. INSTALL GROUND CONDUCTORS AND GROUND ROD MINIMUM OF 1'-0" FROM EQUIPMENT CONCRETE SLAB, SPREAD FOOTING, OR FENCE.
7. EXOTHERMIC WELD GROUND CONNECTION TO FENCE POST: TREAT WITH A COLD GALVANIZED SPRAY.
8. GROUND BARS:
- 8.1. EQUIPMENT GROUND BUS BAR (EGB) LOCATED AT BOTTOM OF ANTENNA POLE/MAST FOR MAKING GROUNDING JUMPER CONNECTIONS TO COAX FEEDER CABLES SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. JUMPERS (FURNISHED BY OWNERS) SHALL BE INSTALLED AND CONNECTED BY ELECTRICAL CONTRACTOR.
- 8.2. MAIN GROUND BUS BAR (MGB) LOCATED NEAR THE BASE OF THE RADIO EQUIPMENT CABINET(S) SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
9. ALL GROUNDING INSTALLATIONS AND CONNECTIONS SHALL BE MADE BY ELECTRICAL CONTRACTOR.
10. OBSERVE N.E.C. AND LOCAL UTILITY REQUIREMENTS FOR ELECTRICAL SERVICE GROUNDING.
11. GROUNDING ATTACHMENT TO TOWER SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS OR AT GROUNDING POINTS PROVIDED (2 MINIMUM).
12. IF EQUIPMENT IS IN A C.L. FENCE ENCLOSURE, GROUND ONLY CORNER POSTS AND SUPPORT POSTS OF GATE. IF CHAIN LINK LID IS USED, THEN GROUND LID ALSO.
13. GROUNDING @ PPC CABINET SHALL BE VERTICALLY INSTALLED.
14. ALL GROUNDING FOR ANTENNAS SHALL BE CONNECTED SO THAT IT WILL BY-PASS MAIN BUSS BAR.
15. ALL EMT RUNS SHALL BE GROUNDED AND HAVE A BUSHING. NO PVC ABOVE GROUND.
16. USE SEPARATE HOLES FOR GROUNDING @ BUSS BAR. NO "DOUBLING-UP" OF LUGS.
17. POWER AND TELCO CABS. SHALL BE GROUNDED (BONDED) TOGETHER. 18. NO "L AND B" ALLOWED ON GROUNDING.
18. PROVIDE STAINLESS STEEL CLAM AND BRASS TAGS ON COAX @ ANTENNAS AND DOGHOUSE.



1452 EDINGER AVE.
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TUSTIN, CA 92780



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DW/AS	GD	RB

CONSTRUCTION
DRAWINGS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	04/26/24	90% CONSTRUCTION DRAWINGS
B	08/29/24	JX COMMENTS
0	03/12/24	100% CONSTRUCTION DRAWINGS

PROJECT INFORMATION

CLL05463

1700 N. TOWNE AVE.
CLAREMONT, CA 91711

SHEET TITLE

ELECTRICAL NOTES

SHEET NUMBER

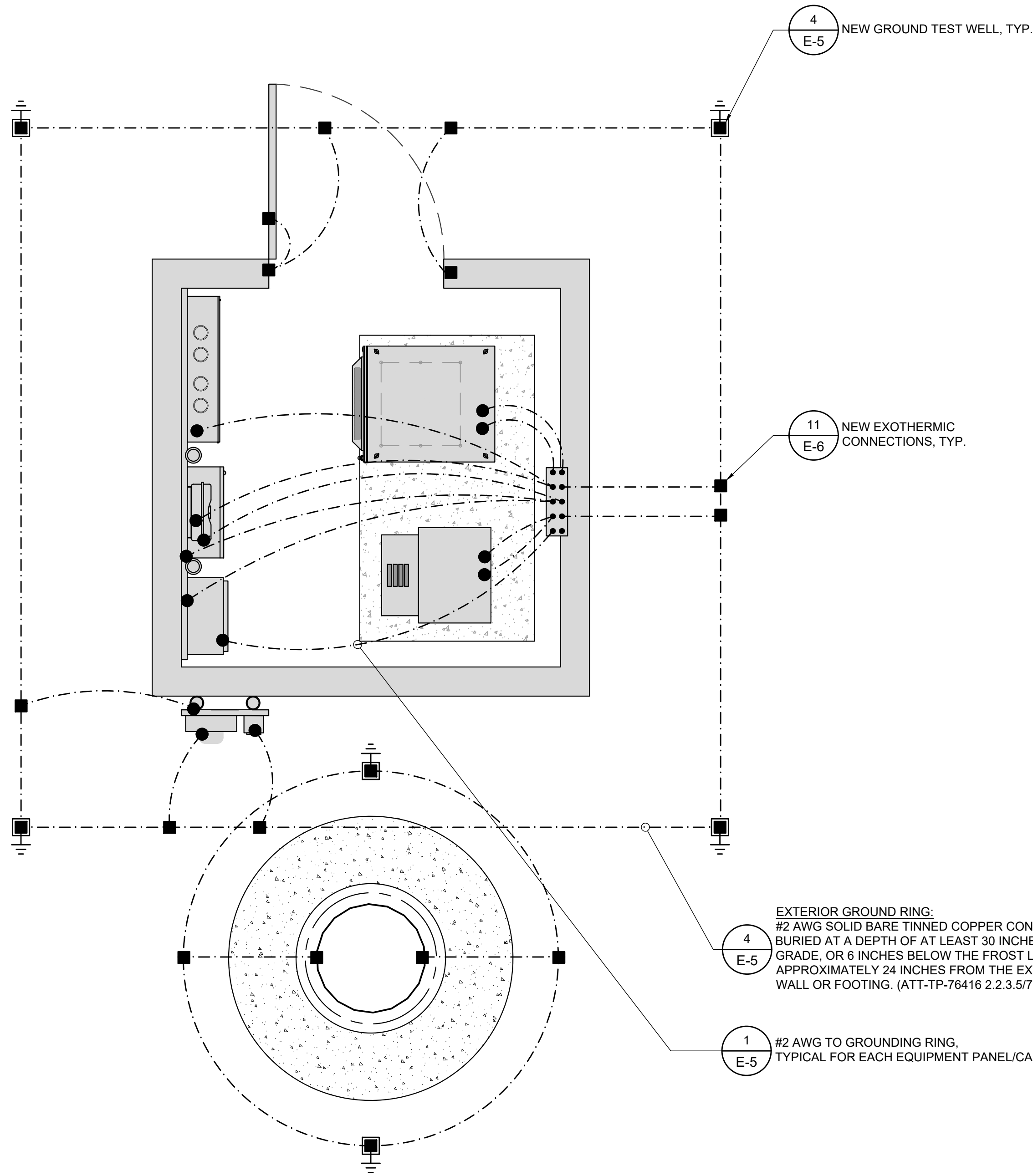
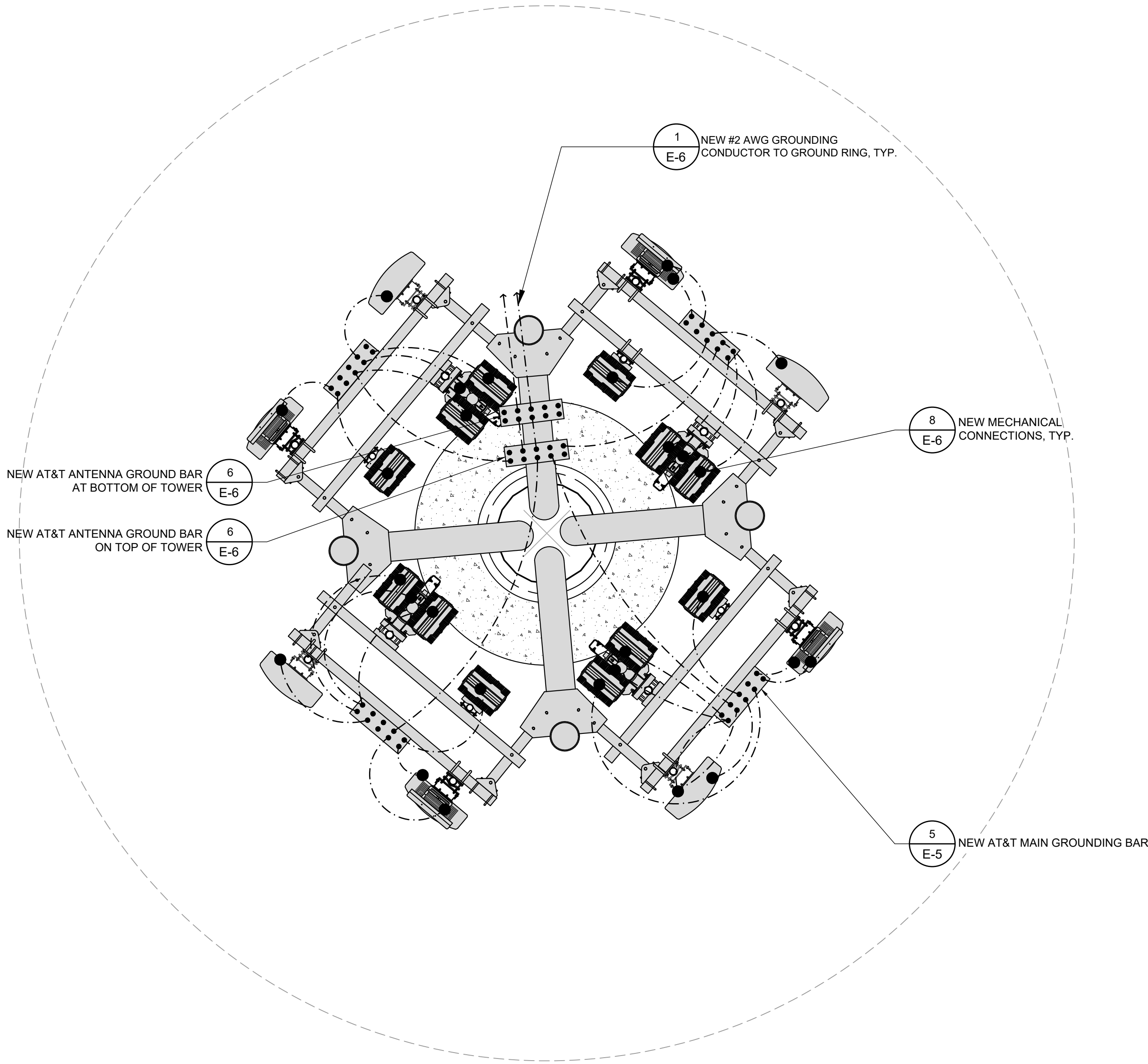
E-3

EUKON AT&T_90CD_MONOPOLE_TEMPLATE_V2_11-18-22

EXOTHERMIC	■
COMPRESSION TYPE CONNECTIONS	●
CHEMICAL ELECTROLYTIC GROUNDING SYSTEM	⊗
GROUND ROD	⏏
GROUND ROD WITH INSPECTION SLEEVE	⏏
TEST GROUND ROD WITH INSPECTION SLEEVE	⏏
EXOTHERMIC WITH INSPECTION SLEEVE	■
GROUNDING CONDUCTOR	---
GROUNDING BAR	⬢

THIS PLAN IS A SCHEMATIC ONLY AND DOES NOT SHOW ALL THE GROUNDING PROVIDED BY THE SHELTER MANUFACTURER. CONTRACTOR SHALL NOTIFY AT&T IF ANY GROUNDING TO BE PROVIDED IS INCOMPLETE OR MISSING.

NOTE:
CONTRACTOR TO IMPLEMENT ALL GROUNDING REQUIREMENTS AS SPECIFIED BY CARRIER CONSTRUCTION AND INSTALLATION GUIDELINES.



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SHEET TITLE

GROUNDING PLANS

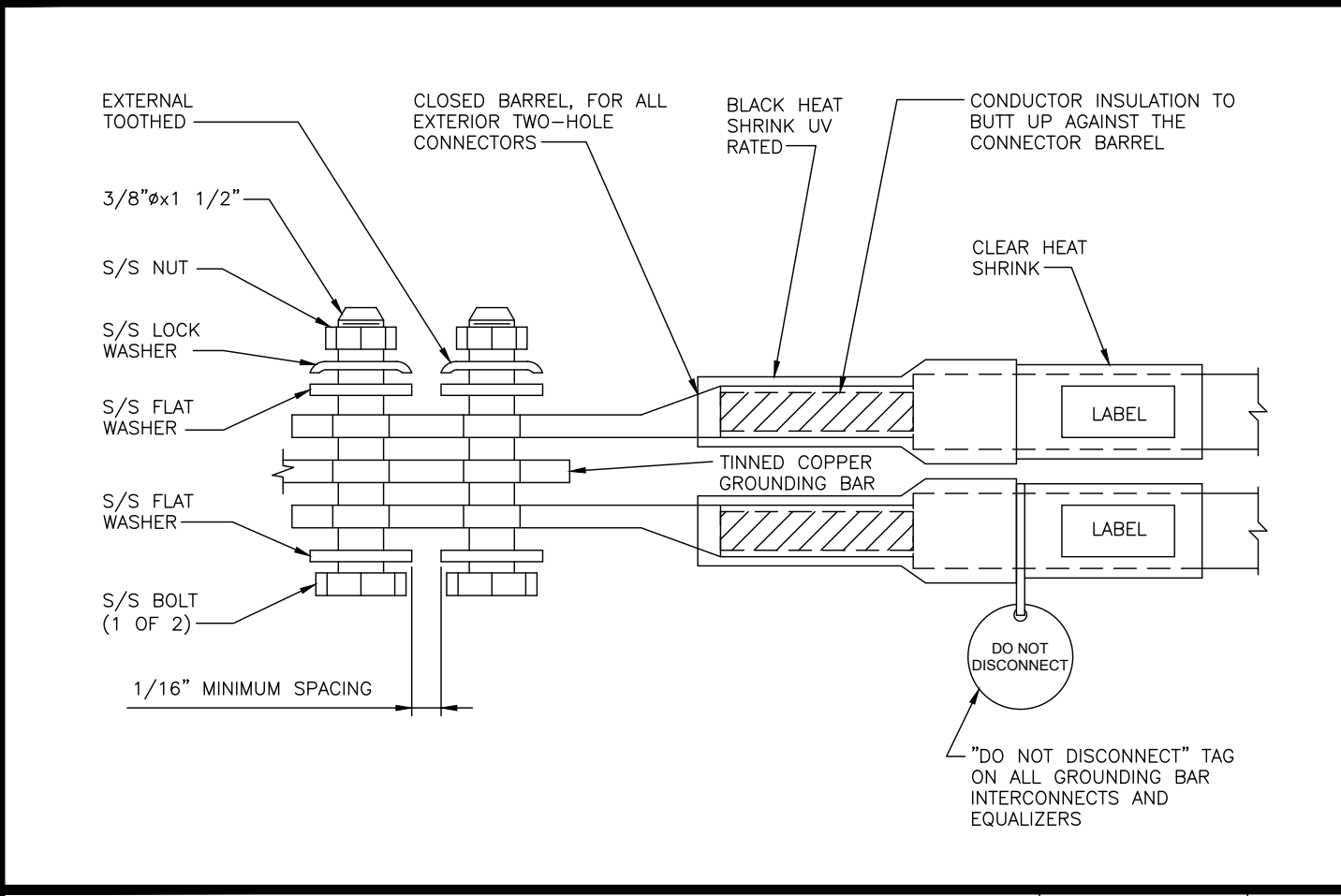
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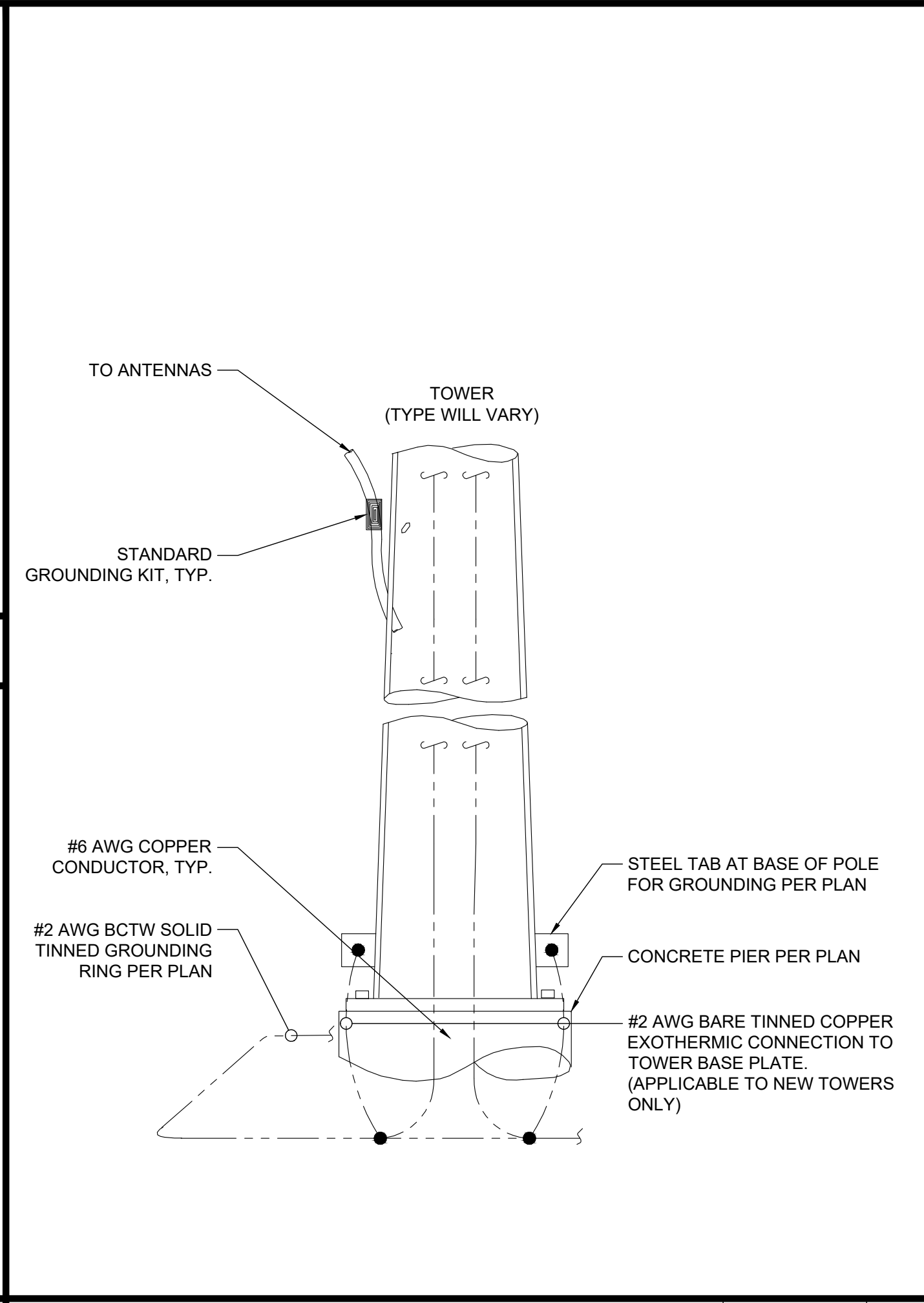
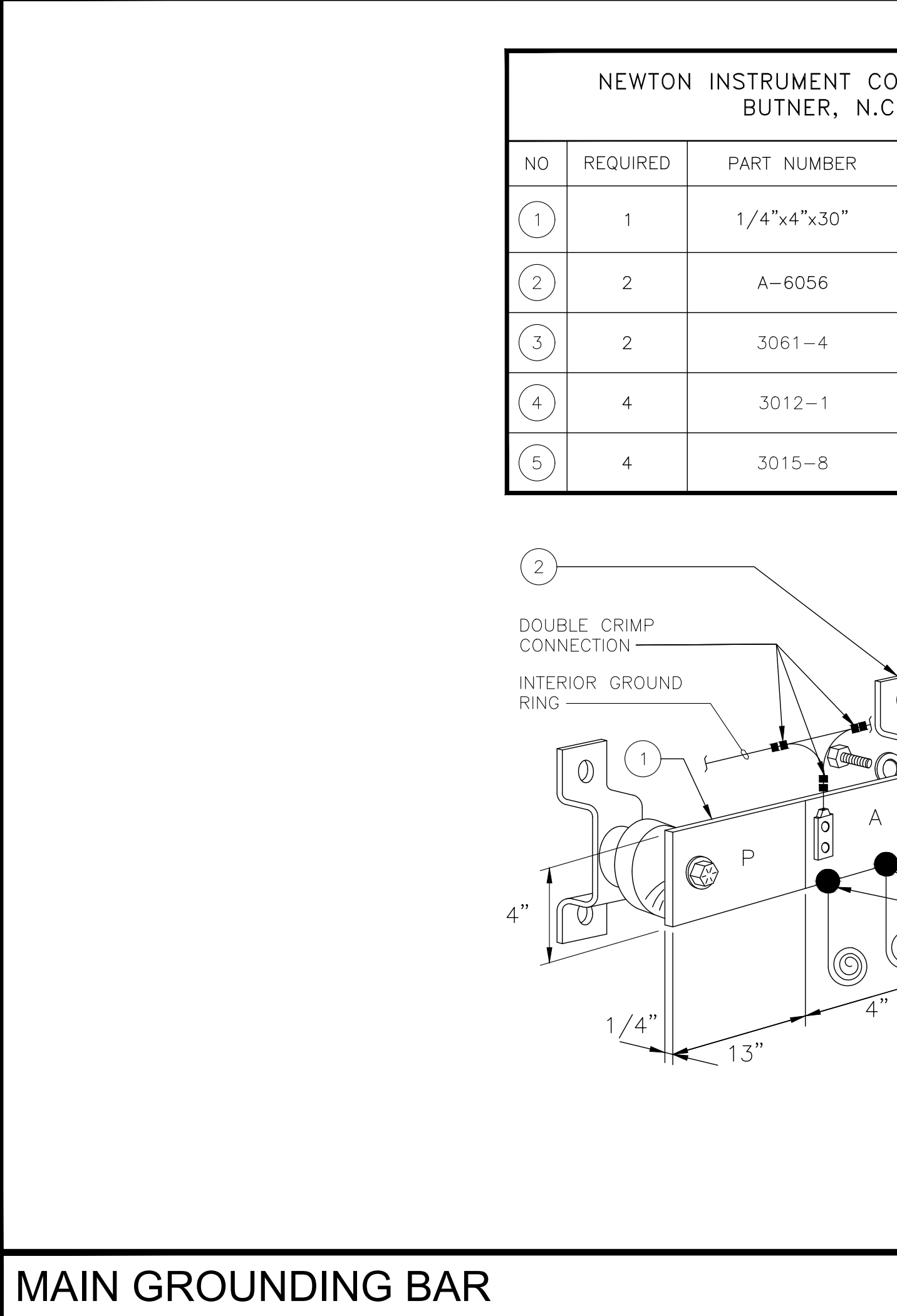
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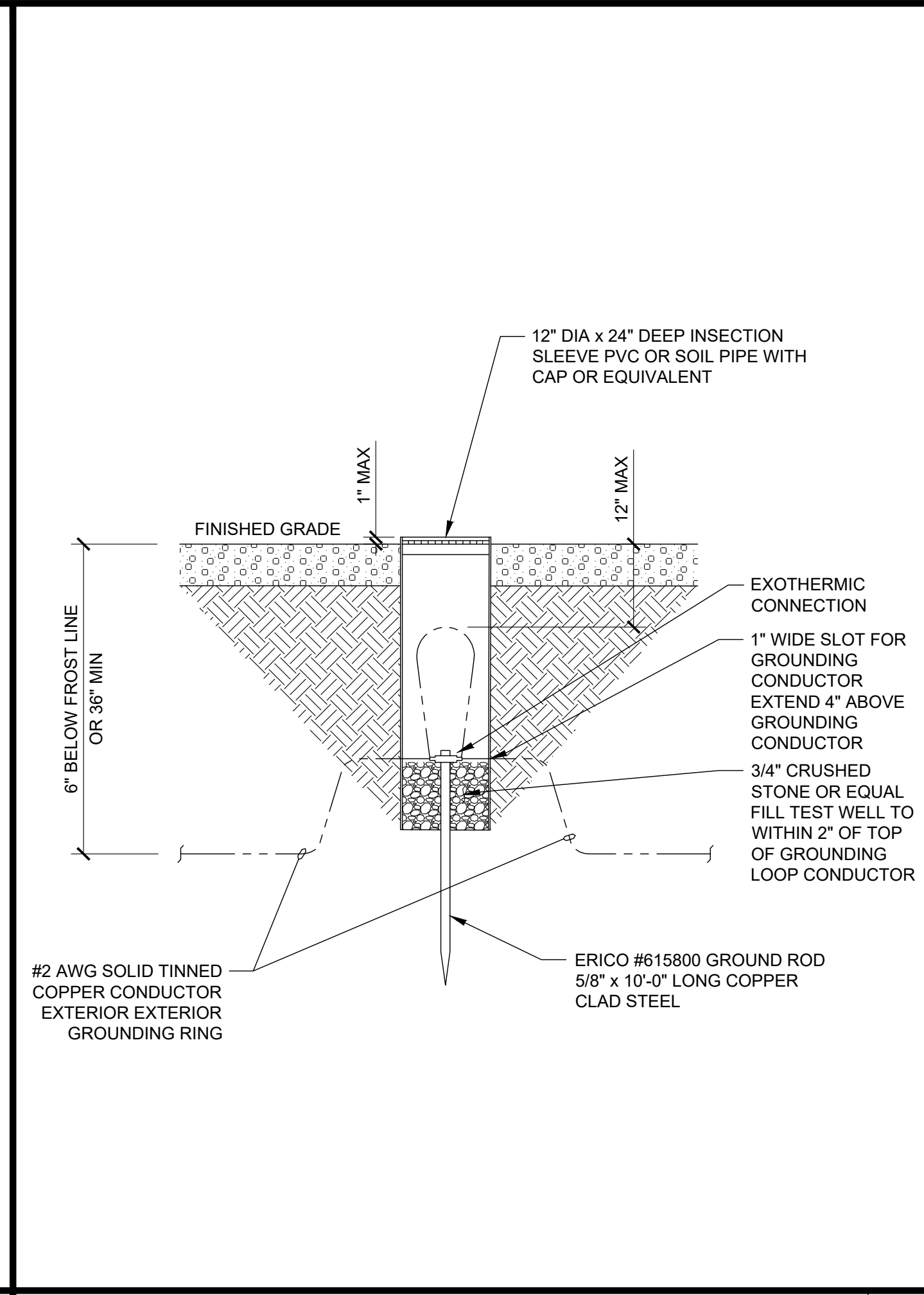
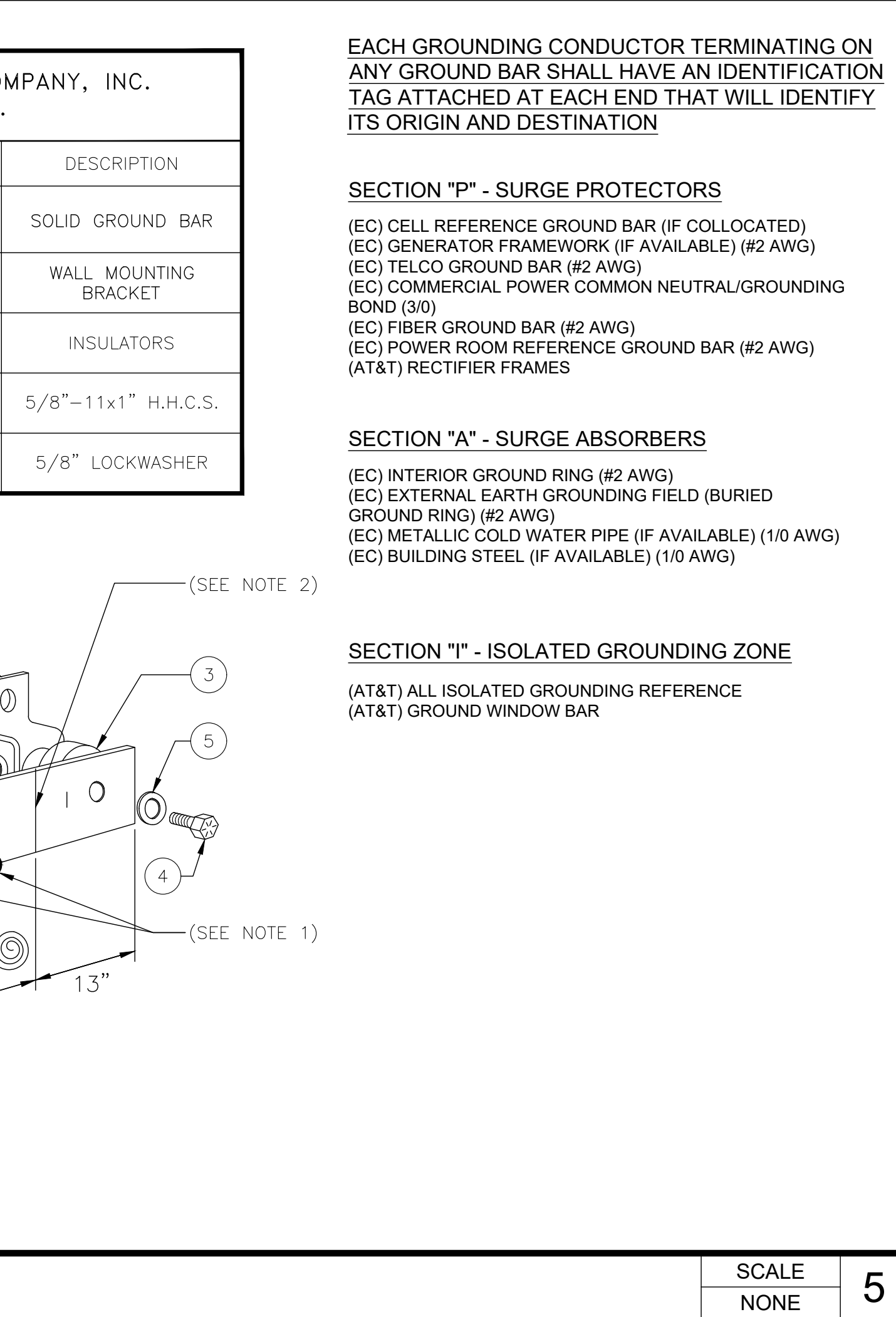
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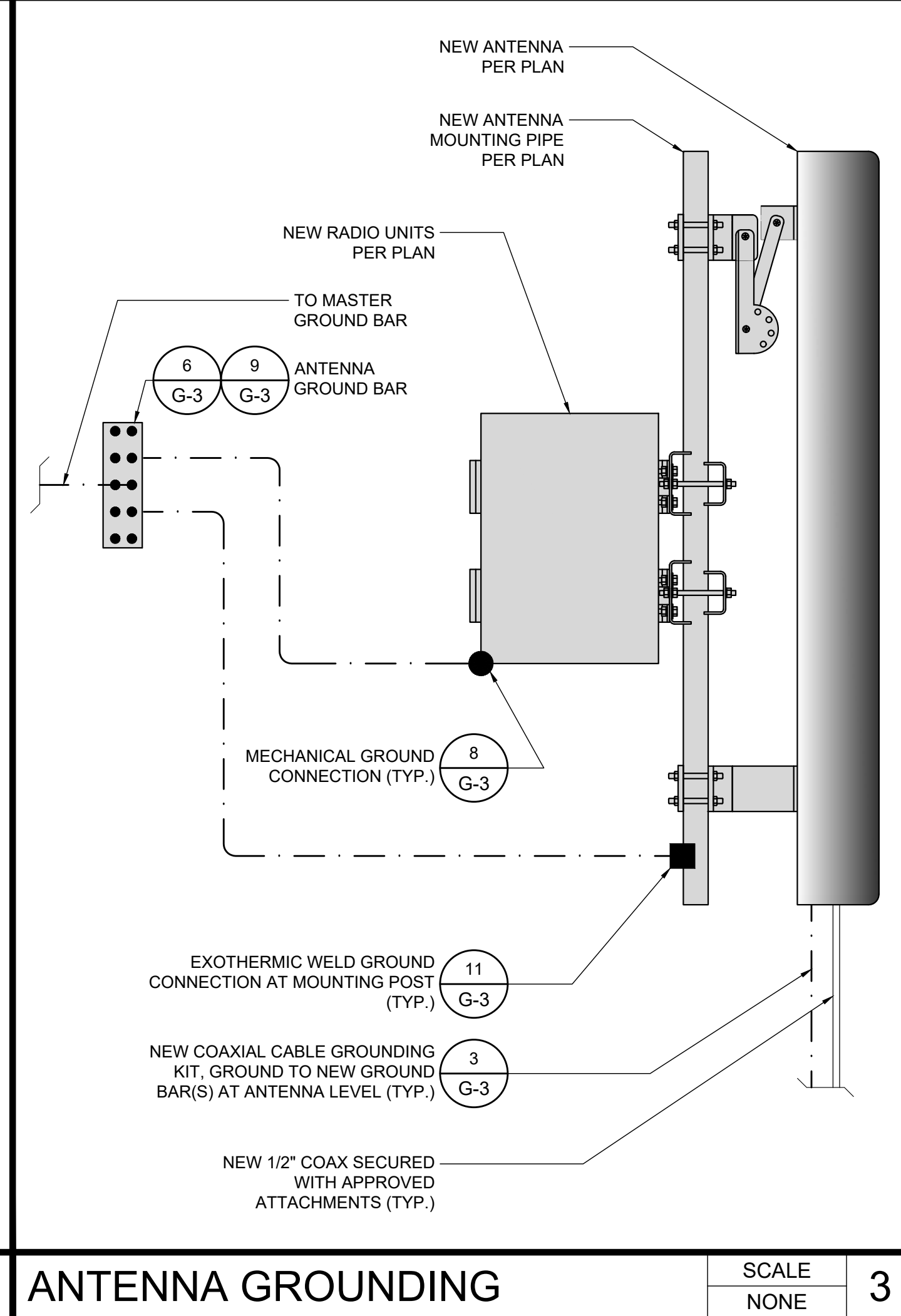
EXTERIOR TWO HOLE LUG



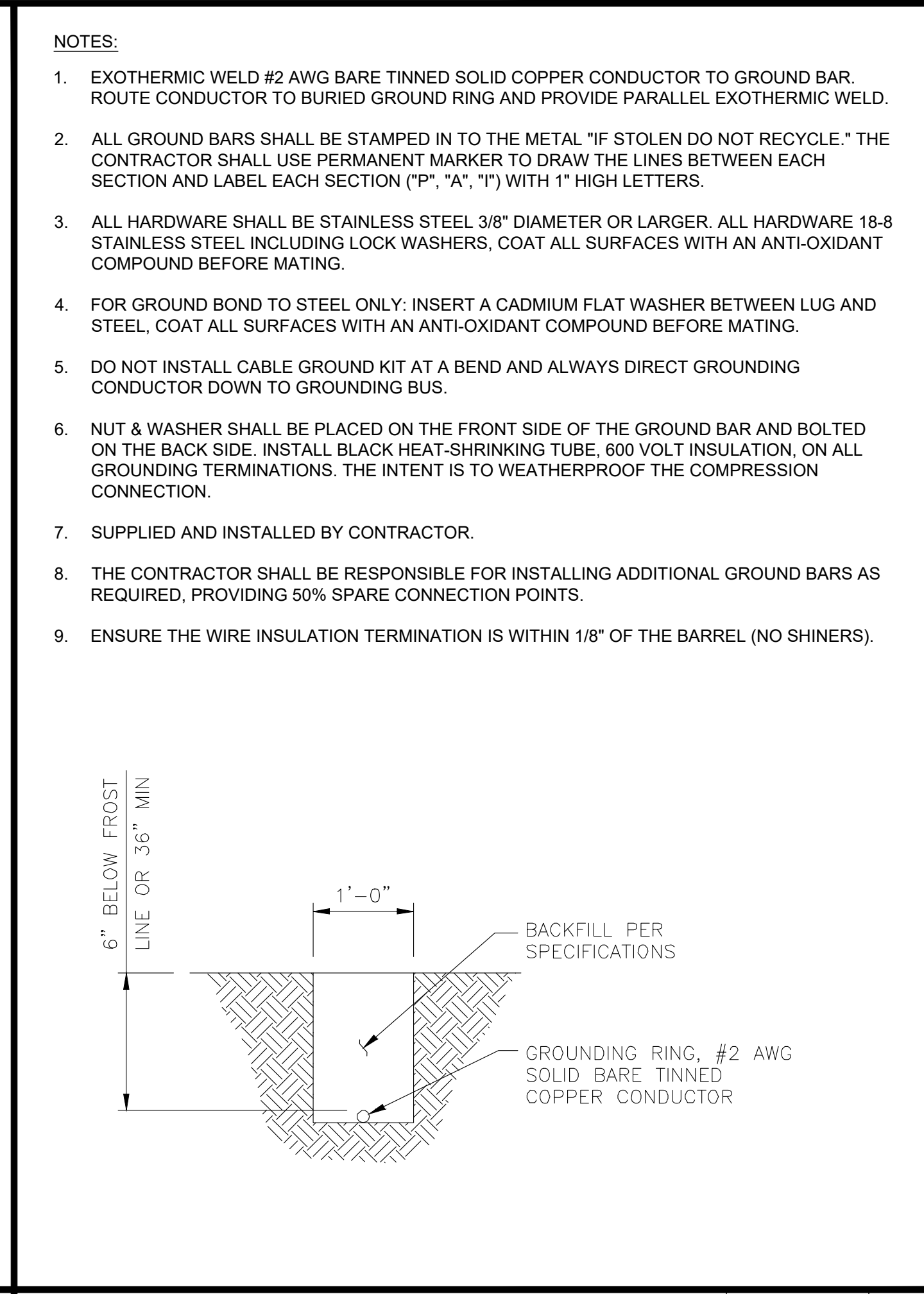
TOWER GROUNDING



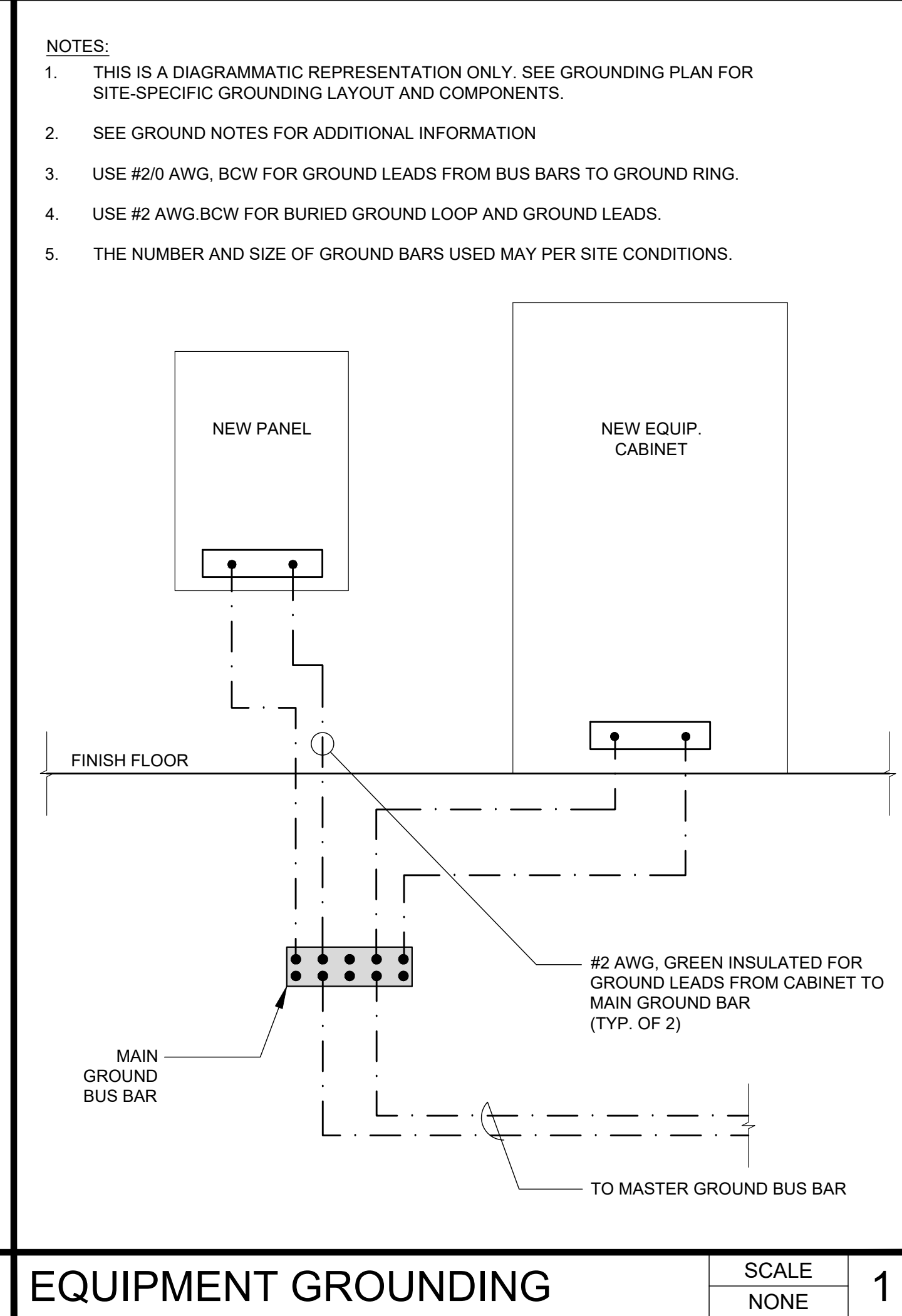
GROUND ROD W/ INSPECTION SLEEVE



ANTENNA GROUNDING



GROUND RING TRENCH



EQUIPMENT GROUNDING



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B	08/29/24	JX COMMENTS
0	03/12/24	100% CONSTRUCTION DRAWINGS

PROJECT INFORMATION

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CLAREMONT, CA 91711

SHEET TITLE

GROUNDING DETAILS

SHEET NUMBER

E-5

EUKON AT&T_90CD_MONOPOLE_TEMPLATE_V2_11-18-22

<div></div>		<div></div>		<div><p>NOTE:</p><p>HOLE CENTERS TO MATCH NEMA DOUBLE LUG CONFIGURATION.</p></div>		<div></div>		<div></div> <div>1452 EDINGER AVE. 3RD FLOOR TUSTIN, CA 92780</div>																					
CONN. OF CABLE GND KIT TO ANT.		INSTALLATION OF GND WIRE TO GND BAR		GROUND BAR DETAIL		CONN. OF GRND WIRE TO GRND BAR, TOWER		<div> an SFC Communications, Inc. Company 65 POST, SUITE 1000 IRVINE, CA 92618 TEL: (949) 553-8566 www.eukongroup.com</div>																					
<div></div>		<div></div>		<div></div>		<div><p>NOTES</p><ol style="list-style-type: none">1. NUMBER OF GROUNDING BARS MAY VARY DEPENDING ON THE TYPE OF TOWER, ANTENNA LOCATION, AND CONNECTION ORIENTATION, THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ADDITIONAL GROUNDING BAR AS REQUIRED, PROVIDING 50% SPARE CONNECTION POINTS.2. DO NOT INSTALL CABLE GROUNDING KIT AT A BEND AND ALWAYS DIRECT GROUNDING CONDUCTOR DOWN TO GROUNDING BAR.3. GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.4. WEATHER PROOFING SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.5. PROVIDE GROUNDING KIT 6"BEFORE TURN TRANSITION FROM TOWER TO ICE BRIDGE.6. WHEN THE SCOPE OF WORK REQUIRES THE ADDITION OF A GROUNDING BAR TO AN EXISTING TOWER, THE SUBCONTRACTOR SHALL OBTAIN APPROVAL FROM THE TOWER OWNER PRIOR TO MOUNTING THE GROUNDING BARS TO THE TOWER.7. EXTEND TWO (2) #2 AWG TINNED CU CONDUCTOR FROM BURIED GROUNDING RING AND CONNECT TO THE NEW TOWER, FOLLOW MANUFACTURERS RECOMMENDATIONS FOR GROUNDING CONNECTIONS TO THE TOWER. (APPLICABLE TO NEW TOWERS ONLY.)8. BUILDINGS AND/OR NEW TOWERS GREATER THAN 75 FEET IN HEIGHT AND THE MAIN GROUNDING CONDUCTORS ARE REQUIRED TO BE ROUTED TO GRADE, THE CONTRACTOR SHALL ROUTE TWO GROUNDING CONDUCTORS FROM THE ROOF-TOP, TOWERS, AND WATER TOWERS GROUNDING RING, TO THE EXISTING GROUNDING SYSTEM, THE GROUNDING CONDUCTORS SHALL NOT BE SMALLER THAN 2/0 AWG COPPER, ROOF-TOP GROUNDING RING SHALL BE BONDED TO THE EXISTING GROUNDING SYSTEM, THE BUILDING STEEL COLUMNS, LIGHTNING PROTECTION SYSTEM, AND BUILDING MAIN WATER LINE (FERROUS OR NONFERROUS METAL PIPING ONLY), SEE AT&T GROUNDING AND BONDING STANDARDS TP-76416 SPECIFICATION 6.5.2.2.9. FLEX CONDUIT TO BE INSTALLED ON NEW COPPER CONDUCTOR UP TO GROUNDING BAR AND, SEALED AT ENDS TO PROTECT FROM OUTSIDE MOISTURE AND DEBRIS.</div>		<div>NOT FOR CONSTRUCTION</div>																					
EXOTHERMIC WELD CONNECTION		MECHANICAL CONNECTION		GPS ANTENNA GROUNDING		GROUNDING NOTES		<div>IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.</div> <table><tr><td>DRAWN BY:</td><td>UTILITIES CHECKED BY:</td><td>A&E CHECKED BY:</td></tr><tr><td>DW/AS</td><td>GD</td><td>RB</td></tr></table> <div>CONSTRUCTION DRAWINGS</div> <table><tr><th colspan="3">SUBMITTALS</th></tr><tr><th>REV</th><th>DATE</th><th>DESCRIPTION</th></tr><tr><td>A</td><td>04/26/24</td><td>90% CONSTRUCTION DRAWINGS</td></tr><tr><td>B</td><td>08/29/24</td><td>JX COMMENTS</td></tr><tr><td>0</td><td>03/12/24</td><td>100% CONSTRUCTION DRAWINGS</td></tr></table>	DRAWN BY:	UTILITIES CHECKED BY:	A&E CHECKED BY:	DW/AS	GD	RB	SUBMITTALS			REV	DATE	DESCRIPTION	A	04/26/24	90% CONSTRUCTION DRAWINGS	B	08/29/24	JX COMMENTS	0	03/12/24	100% CONSTRUCTION DRAWINGS
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NOT USED		NOT USED		NOT USED		NOT USED																							



PYL12V185FT 12V 185Ah-8Hr
HIGH TEMPERATURE SUPER LONG LIFE
BATTERY with HT X Alloy™

TECHNICAL DATA SHEET



- HIGH TEMPERATURE LONG LIFE DESIGN
- + HT X Alloy™ extends life in high temp applications
 - + Additives to maintain compression
 - + Designed to control charging current as temperature increases
 - + No thermal runaway
 - + Epoxy sealed terminals to prevent post leaks
 - + Rugged ABS cases to minimize handling damage

- 10+ YEAR DESIGN LIFE
- + Exceeds Telcordia GR-1200 criteria
 - + Greater than 5 years at 35°C

- | COMPLIANCE | SAFETY |
|---------------|------------|
| + VZ 17P-9902 | + UL 94V-0 |
| + GR-4228 | + UL 1000 |
| + GR-1089 | |
| + GR-63 NEBS | |



SPECIFICATIONS

MODEL	NOMINAL VOLTAGE (V)	*RATED CAPACITY at 8 Hr (Ah)	** OPERATING RANGE	L		W		H		TH	WEIGHT		TERMINAL
				mm	in.	mm	in.	mm	in.		kg	lbs.	
PYL12V185FT	12	185	-40 to 65°C (-40 to 149°F)	556	21.9	125	4.9	317	12.5	317	60.7	133.8	Front-M6 Bolt Top-M6 Bolt

*Maximum Charge Current is 25% of the 8 Hr. Rate

** Refer to Product Manual for optimum temperature range

AMPERES TO FINAL VOLTAGE: 1.75V@25°C (77°F)

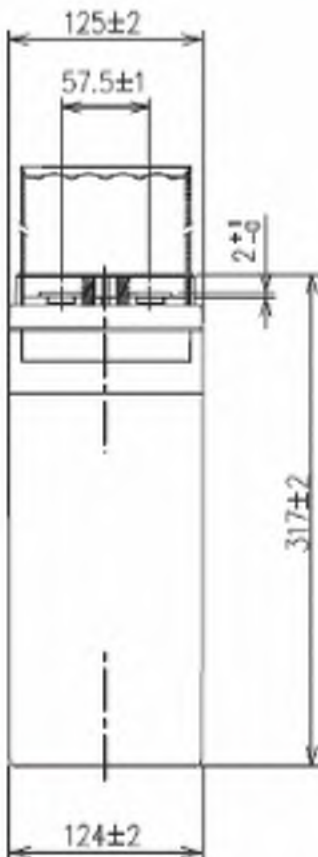
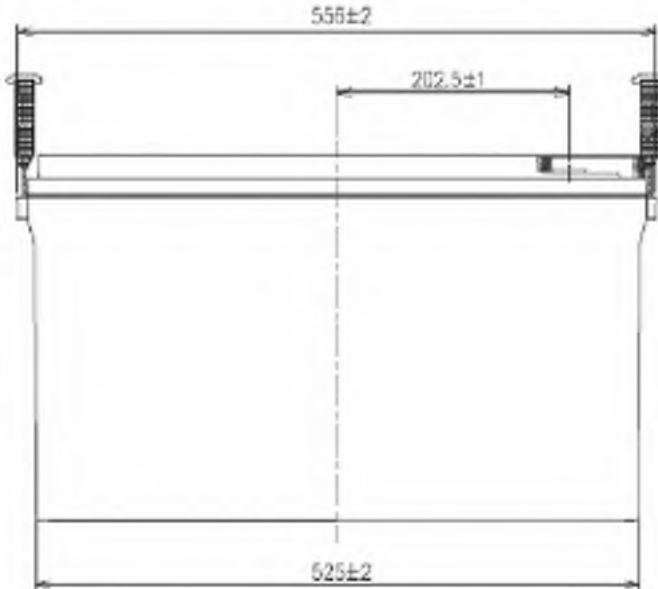
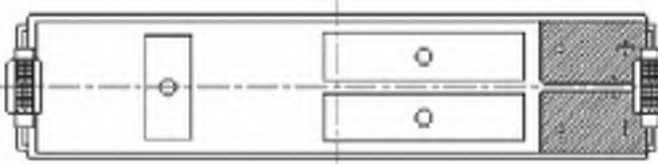
MODEL	DISCHARGE TIME (Hr)										
	2	3	4	5	6	7	8	9	10	12	20
PYL12V185FT	71.2	52.0	41.3	34.4	30.0	26.0	23.1	21.0	19.3	17.7	10.2

WATTS TO FINAL VOLTAGE: 1.75V@25°C (77°F)

MODEL	DISCHARGE TIME (Hr)										
	2	3	4	5	6	7	8	9	10	12	20
PYL12V185FT	829	609	487	407	351	315	275	250	232	215	123



PYL12V185FT 12V 185Ah-8Hr
HIGH TEMPERATURE SUPER LONG LIFE
BATTERY with HT X Alloy™



units: mm

- Float Charge Voltage: 13.65 ±0.15 @ 25°C
- Temperature Compensation: Adjust float charge voltage +3mV/°C/cell for temperatures <25°C; -3mV/°C/cell for temperatures >25°C.
- Internal Resistance: Approximately 3.5mΩ measured with 1kHz AC bridge
- Terminal Hardware Torque: (Top, 8mm): 90 in.-lbs. (10.17 Nm)
(Front, 6mm): 43.4 in.-lbs. (4.9 Nm)

ABOUT GS YUASA ENERGY SOLUTIONS, INC.
GS Yuasa Energy Solutions, Inc. is an American subsidiary of GS Yuasa Corporation, the world's second largest battery company and a 100+ year old Japanese corporation. GS Yuasa Energy Solutions (GYES) was formed in 2019 to address the growing energy storage and reserve power markets. GYES brings together and leverages GS Yuasa Group's advanced technologies with proven American market successes in lithium, telecom, UPS, alarm & security, and energy storage into a single business unit.



GS Yuasa Energy Solutions, Inc.
1150 Northmeadow Pkwy, Suite 110
Roswell, GA 30076 (800) 472-2879
www.gsyuasa-es.com



500-110-022 ver4.0 8-2022

FIRE DEPARTMENT NOTES

GENERAL

- 1.0 ADDRESS NUMBERS:
- A. APPROVED ADDRESS NUMBERS, BUILDING NUMBERS OR APPROVED BUILDING IDENTIFICATION SHALL BE PLACED IN A POSITION THAT PLAINLY LEGIBLE AND VISIBLE FROM THE STREET, ROAD, ALLEY, AND WALKWAYS GIVING ACCESS TO AND WITHIN THE PROPERTY.

2.0 FIRE EXTINGUISHERS:

- A. PROVIDE A FIRE EXTINGUISHER (MINIMUM 2A-10BC) WITHIN A RECESSED OR SEMI-RECESSED CABINET WITHIN 75 FEET TRAVEL DISTANCE FROM ALL POINTS IN THE OCCUPANCY; THE EXTINGUISHER SHALL BE MOUNTED ON A HOOK WITHIN THE CABINET (ELEVATED OFF CABINET FLOOR); THE TOP OF THE EXTINGUISHER SHALL BE NO HIGHER THAN 48 INCHES (1219 mm) ABOVE THE FLOOR; EXTINGUISHER SHALL BE PLACED IN A EASILY ACCESSIBLE LOCATIONS WHERE THEY WILL BE READILY ACCESSIBLE AND IMMEDIATELY AVAILABLE FOR USE.

3.0 DOOR OPERATIONS:

- A. ALL EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT KEY, SPECIAL KNOWLEDGE, OR EFFORT. THE UNLATCHING OF ANY EXIT DOOR SHALL NOT REQUIRE MORE THAN ONE OPERATION.

4.0 ADDITIONAL PERMIT:

- A. PRIOR TO THE FINAL INSPECTION, OBTAIN A HAZARDOUS MATERIALS PERMIT FROM THE FIRE DEPARTMENT. CONTACT THE ENVIRONMENTAL MANAGEMENT CENTER AT (916) 455-8200

5.0 REQUIRED INSPECTIONS:

- A. THE FIRE DEPARTMENT INSPECTION FOR THIS PROJECT INCLUDE THE FOLLOWING:
- HAZARDOUS MATERIALS FINAL INSPECTION.
 - FIRE PREVENTION BUREAU FINAL INSPECTION - CONTRACTOR MUST REQUEST A SEPERATE INSPECTION. INSPECTION INCLUDES: BUT IS NOT LIMITED TO: FIRE EXTINGUISHERS; SIGNAGE; DOOR HARDWARE AND MEANS OF EGRESS; EMERGENCY/EXIT LIGHTING; ETC.

NOTE: TO SCHEDULE INSPECTIONS: CALL OFFICE OF STATE FIRE MARSHALL AT (916-445-8200) AT LEAST 48 HOURS IN ADVANCE.

BATTERY NOTES

1. PER CFC 2022 SECTION 1207.1.1 - STATIONARY STORAGE BATTERY SYSTEMS HAVING CAPACITIES EXCEEDING THE VALUES SHOWN IN TABLE 1207.1.1 SHALL COMPLY WITH SECTION 1207, AS APPLICABLE. SINCE THE TOTAL CAPACITY OF THE LEAD-ACID-TYPE BATTERY SYSTEM IS LESS THAN 70kWh THIS MODIFICATION IS EXEMPT FROM CFC 2022 SECTION 1207.

CAPACITY CALCULATION:
(12 BATTERIES x 185Ah x 12V) / 1000 = 26.64kWh

2. DEFINITIONS PER CFC 2022 CHAPTER 2:

LEAD ACID BATTERY:
A STORAGE BATTERY THAT IS COMPRISED OF LEAD ELECTRODES IMMERSERD IN A SOLUTION OF WATER AND SULPHURIC ACID ELECTROLYTE.

CORROSIVE:
A CHEMICAL THAT CAUSES VISIBLE DESTRUCTION OF, OR IRREVERSIBLE ALTERATIONS IN, LIVING TISSUE BY CHEMICAL ACTION AT THE POINT OF CONTACT. A CHEMICAL SHALL BE CONSIDERED CORROSIVE IF, WHEN TESTED ON THE INTACT SKIN OF ALBINO RABBITS BY THE METHOD DESCRIBED IN DOTN 49 CFR 173.137, SUCH CHEMICAL DESTROYS OR CHANGES IRREVERSIBLY THE STRUCTURE OF THE TISSUE AT THE POINT OF CONTACT FOLLOWING AN EXPOSURE PERIOD OF 4 HOURS. THIS TERM DOES NOT REFER TO ACTION ON INANIMATE SURFACES.

HAZARDOUS MATERIALS:
THOSE CHEMICALS OR SUBSTANCES WHICH ARE PHYSICAL HAZARDS OR HEALTH HAZARDS AS DEFINED AND CLASSIFIED IN THIS CHAPTER, WHETHER THE MATERIALS ARE IN USABLE OR WASTE CONDITION.

HEALTH HAZARD:
A CLASSIFICATION OF A CHEMICAL FOR WHICH THERE IS STATISTICALLY SIGNIFICANT EVIDENCE THAT ACUTE OR CHRONIC HEALTH EFFECTS ARE CAPABLE OF OCCURRING IN EXPOSED PERSONS. THE TERM "HEALTH HAZARD" INCLUDES CHEMICALS THAT ARE TOXIC, HIGHLY TOXIC AND CORROSIVE.

PHYSICAL HAZARD:
A CHEMICAL FOR WHICH THERE IS EVIDENCE THAT IT IS A COMBUSTIBLE LIQUID, CRYOGENIC FLUID, EXPLOSIVE, FLAMMABLE (SOLID, LIQUID OR GAS), ORGANIC PEROXIDE (SOLID OR LIQUID), OXIDIZER (SOLID OR LIQUID), OXIDIZING GAS, PYROPHORIC (SOLID, LIQUID OR GAS), UNSTABLE (REACTIVE) MATERIAL (SOLID, LIQUID OR GAS) OR WATER-REACTIVE MATERIAL (SOLID OR LIQUID).



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CLL05463

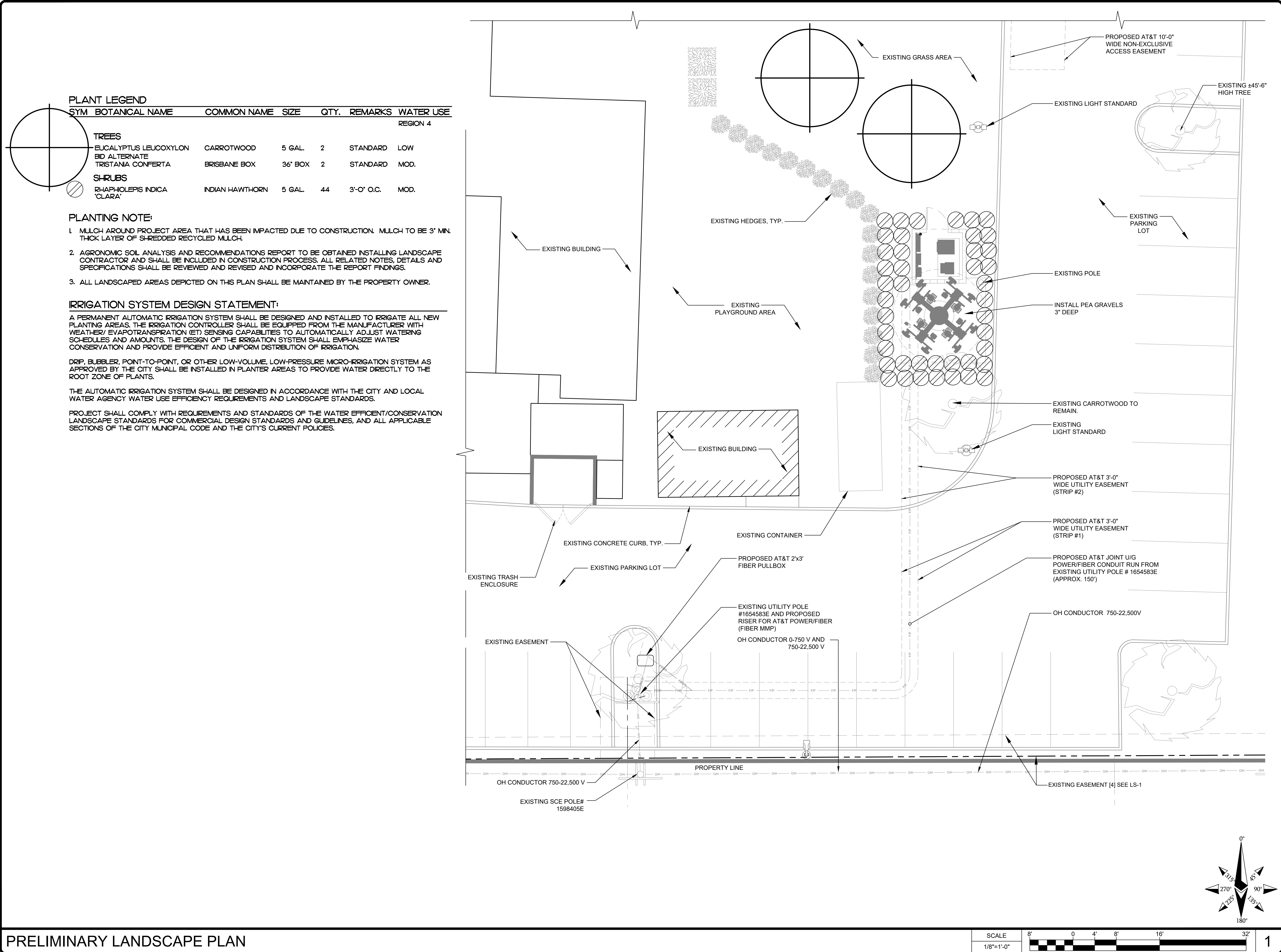
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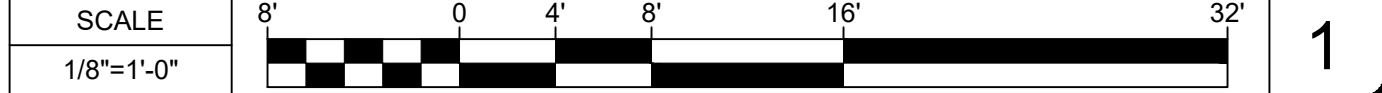
FIRE DEPARTMENT NOTES
AND BATTERY INFORMATION

SHEET NUMBER

FD-1



PRELIMINARY LANDSCAPE PLAN



APPLICANT:

at&t

1452 EDINGER AVENUE,
3RD FLOOR
TUSTIN, CA 92780

ENGINEER:

Eukon
an SFC Communications, Inc. Company

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B	06/16/24	100% ZONING DRAWINGS
A	11/07/23	90% ZONING DRAWINGS
REV	DATE	DESCRIPTION

LICENSEE:

RJCLA
LANDSCAPE ARCHITECTURE

Signature
8/31/2024
07/25/2024
Date

Landscape Architects
Il Villamours
Laguna Niguel, CA 92677
(949) 661-3938
rjcla@bcglobe.net

06/16/2024

PROJECT INFORMATION:

CLL05463
1700 N. TOWNE AVE.
CLAREMONT, CA. 91711

SHEET TITLE:

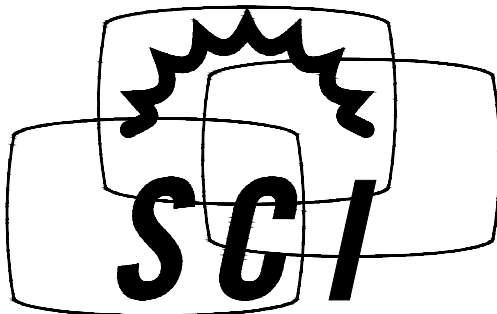
**PRELIMINARY
LANDSCAPE PLAN**

SHEET NUMBER:

L-1



at&t



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41745 Anza Road
Temecula, CA 92592
Phone: (951) 698-5985
www.RFTransparent.com

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AT&T

CLL05463
62'-0" QUAD-EUC

U.S. PATENT # 7616170 & 8035574

LOCATION:

1700 NORTH TOWNE AVENUE
CLAREMONT, CA 91711
LOS ANGELES COUNTY

DRAWING INDEX

- T1 TITLE SHEET
- N1 NOTES & SPECIFICATIONS
- S1 ELEVATION VIEWS
- S2-S4 DETAILS
- S5 FOUNDATION

TITLE SHEET

CLL05463
US PATENT # 7616170 & 8035574
62'-0" QUAD-EUC
1700 NORTH TOWNE AVENUE
CLAREMONT, CA 91711



06/20/2024

DATE: 6/20/24 DESIGNED: EME DRAFTER: EME

REVISIONS		
REV	DATE	DESCRIPTION

U1085.2439.241

T1
REV 0

DESIGN CRITERIA

STRUCTURAL DESIGN IS BASED ON THE CALIFORNIA BUILDING CODE, 2022 EDITION (2021 IBC) AND THE TIA-222-H STANDARD

DESIGN LOADS:

WIND: WIND SPEED = 100 MPH (3-SEC GUST) PER THE ASCE 7-16 STANDARD
RISK CATEGORY: II
EXPOSURE: B
TOPOGRAPHIC CATEGORY: 1
CREST HEIGHT: 0 FT
ELEVATION: 1,250 FT ABOVE SEA LEVEL

ICE: NONE PER THE TIA-222-H STANDARD

SEISMIC:
IMPORTANCE FACTOR: 1.00
RISK CATEGORY: II
MAPPED SPECTRAL RESPONSE ACCELERATIONS:
S_s = 1.737g, S₁ = 0.654g
SITE CLASS: D
SPECTRAL RESPONSE COEFFICIENTS:
S_{DS} = 1.158g, S_{D1} = 0.741g
SEISMIC DESIGN CATEGORY: D
BASIC SEISMIC-FORCE-RESISTING-SYSTEM:
TELECOM: STEEL POLE
SEISMIC BASE SHEAR, V: 16.6 K
SEISMIC RESPONSE COEFFICIENT, C_s: 0.676
RESPONSE MODIFICATION FACTOR, R: 1.5
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE

STRUCTURAL STEEL

- POLYGONAL MONOPOLE SHAFT STEEL SHALL CONFORM w/ ASTM A572 GR. 65, UNO.
- BASEPLATE STEEL SHALL CONFORM w/ ASTM A572 GR 50, UNO.
- ALL STEEL PIPE SHALL CONFORM w/ ASTM A53 GR B (35 KSI), UNO ACCEPTABLE PIPE MATERIAL ALTERNATIVES INCLUDE: A500 GR B., A106 GR B. AND API 5LX 42KSI.
- ALL STEEL RECTANGULAR TUBES (HSS) SHALL CONFORM w/ ASTM A500 GR B (46 KSI), UNO.
- REINFORCED PORT STEEL SHALL CONFORM w/ ASTM A572 GR 50, UNO.
- ALL OTHER STEEL SHAPES & PLATES SHALL CONFORM w/ ASTM A36, UNO.
- ALL BOLTS FOR STEEL-TO-STEEL CONNECTIONS SHALL CONFORM w/ ASTM F3125 GR A325, UNO.
- ALL U-BOLTS SHALL CONFORM w/ ASTM A36, UNO.
- ALL ANCHOR BOLTS SHALL CONFORM w/ ASTM F1554 GR. 55, UNO.
- ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS IN ACCORDANCE w/ THE LATEST VERSION OF THE AMERICAN WELDING SOCIETY AWS D1.1. STEEL WELDS SHALL BE BY E70XX LOW HYDROGEN ELECTRODES, UNO.
- ALL STEEL SURFACES SHALL BE GALVANIZED IN ACCORDANCE w/ ASTM A123 AND ASTM F2329 STANDARDS.
- ALL STRUCTURAL BOLTS SHALL BE TIGHTENED PER AN APPROVED PRETENSIONING METHOD AS DEFINED BY AISC. FOR EASE OF INSPECTION, THE "TURN-OF-NUT" METHOD AS DEFINED BY AISC WITH MATCH-MARKING TECHNIQUES IS RECOMMENDED.
- ALL BOLT HOLES SHALL BE STANDARD SIZE PER TABLE J3.3 OF AISC UNO WASHERS ARE REQUIRED FOR ANY CONNECTION THAT HAS LARGER THAN STANDARD SIZED BOLT HOLES.
- ALL HEAVY HEX NUTS SHALL BE ASTM A563 GR C OR DH OR EQUIVALENT.
- ALL HARDENED WASHERS SHALL BE ASTM F436 OR EQUIVALENT.

BASE DESIGN REACTIONS

MOMENT, M = 985 K-FT (1.0 WIND)
SHEAR, V = 24.0 K (1.0 WIND)
AXIAL, P = 29.4 K (1.2 DEAD)

GENERAL NOTES

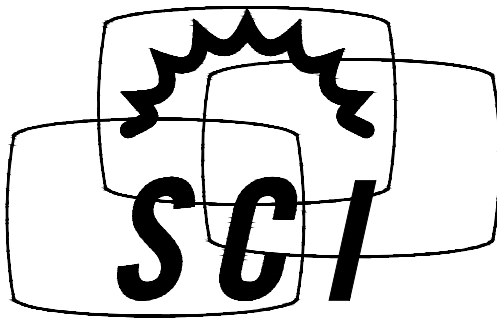
- CONTRACTOR SHALL FIELD VERIFY SITE OR LAYOUT RESTRICTIONS, SITE CONDITIONS, DIMENSIONS, AND ELEVATIONS BEFORE START OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF SCI, INC. PRIOR TO BEGINNING PROJECT. ALL WORK SHALL BE PERFORMED USING ACCEPTED CONSTRUCTION PRACTICES. CONTRACTOR TO VERIFY MATERIALS PROVIDED BY SCI PRIOR TO INSTALLATION.
- ALL ENGINEERING PLANS, DRAWINGS, DESIGNS, CALCULATIONS AND SPECIFICATIONS (COLLECTIVELY, "PLANS") ARE DESIGNED TO THE PROPRIETARY MANUFACTURING SPECIFICATIONS OF SOLAR COMMUNICATIONS INTERNATIONAL, INC. ("SCI") INTENDED AND AUTHORIZED SOLELY FOR USE WITH PRODUCT PRODUCED BY SCI. UNAUTHORIZED USE IS STRICTLY PROHIBITED. CUSTOMER AGREES TO DEFEND, INDEMNIFY AND HOLD SCI HARMLESS FROM AND AGAINST ANY AND ALL DEMANDS, CLAIMS, SUITS, PROCEEDINGS, LOSSES, LIABILITIES, DAMAGES, FEES, COSTS AND EXPENSES (INCLUDING, WITHOUT LIMITATION, REASONABLE ATTORNEYS' FEES AND COSTS) ARISING FROM OR RELATING TO ANY UNAUTHORIZED USE OF SCI'S PLANS BY CUSTOMER.
- NO FIELD MODIFICATIONS MAY BE MADE TO STRUCTURE WITHOUT THE EXPRESS WRITTEN CONSENT FROM THE ENGINEER OF RECORD. SCI, INC AND ENGINEER OF RECORD ASSUME NO RESPONSIBILITY FOR THE STRUCTURE IF ALTERATIONS AND/OR ADDITIONS ARE MADE TO THE DESIGN AS SHOWN IN THESE DRAWINGS.
- THE CONTRACTORS AND ALL SUBCONTRACTORS SHALL COMPLY WITH ALL LOCAL CODES, REGULATIONS, AND ORDINANCES AS WELL AS STATE DEPARTMENT OF INDUSTRIAL REGULATIONS AND DIVISION OF INDUSTRIAL SAFETY (OSHA) REQUIREMENTS.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT ALL WORK TO THE BEST OF HIS/HER ABILITY AND SKILL. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES, AND SEQUENCES, AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
- THE CONTRACTOR SHALL VERIFY, COORDINATE, AND PROVIDE ALL NECESSARY BLOCKING, BACKING, FRAMING, HANGERS OR OTHER SUPPORTS FOR ALL ITEMS REQUIRING SAME. WHETHER SHOWN OR NOT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY BRACING, SHORING, FORMWORK, ETC., AND SHALL CONFORM TO ALL NATIONAL, STATE, AND LOCAL ORDINANCES AND CODES, IN ORDER TO SAFELY EXECUTE ALL STAGES OF WORK TO COMPLETE THIS PROJECT.
- IT IS THE INTENT OF THESE DRAWINGS TO SHOW THE COMPLETED INSTALLATION OF THE STRUCTURE SHOWN.
- CONTRACTOR ASSUMES RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES. THIS REQUIREMENT APPLIES CONTINUOUSLY, AND IS NOT LIMITED TO NORMAL WORKING HOURS.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES, SHOWN OR NOT SHOWN. THE CONTRACTOR IS FINANCIALLY RESPONSIBLE FOR REPAIR OR REPLACEMENT OF UTILITIES OR OTHER PROPERTY DAMAGED IN CONJUNCTION WITH THE EXECUTION OF WORK ON THIS PROJECT.
- BRANCHES OR OTHER DESIGN TECHNIQUE SHALL BE USED TO DISGUISE THE TRANSITION FROM THE MAIN TRUNK TO THE TRI-ARMS.
- ANTENNA COVERS SHALL CONSIST OF A DURABLE MATERIAL MATCHED TO THE COLOR OF THE TREE EMBEDDED WITH LEAVES MATCHING THE LEAF DENSITY OF THE TREE.
- THE MAIN TRUNK, TRI-ARMS AND BRANCHES SHALL HAVE FULL BARK CLADDING, COMPLETE WITH CURLED PIECES OF BARK EXTENDING FROM THE STRUCTURE.
- ALL MOUNTING HARDWARE, CABLING, NUTS AND BOLTS, AND OTHER EQUIPMENT, INCLUDING TOWER MOUNTED AMPLIFIERS, USED ON THE MONOEUCALYPTUS TREE SHALL BE PAINTED TO MATCH THE TREE DESIGN.
- ALL CABLING SHALL BE WIRED INTERNAL TO THE TREE STRUCTURE TO THE EXTENT POSSIBLE
- ALL GALVANIZED SURFACES MUST BE TOUCHED UP WITH ZINC-RICH "COLD-GALV" COMPOUND AFTER FIELD DRILLING OR MINOR DAMAGE CAUSED DURING SHIPPING AND INSTALLATION.

SPECIAL INSPECTIONS, TESTING & STRUCTURAL OBSERVATION

- STEEL FABRICATION SHALL BE DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED AS REQUIRED BY THE BUILDING OFFICIAL TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION. ALTERNATIVELY, SPECIAL INSPECTION OF MATERIALS, WELDING, AND FABRICATION PROCEDURES SHALL BE REQUIRED FOR FABRICATION BY AN UNAPPROVED FABRICATOR.
- NO FIELD WELDING SHALL BE PERMITTED
- NONDESTRUCTIVE TESTING IS REQUIRED FOR CJP GROOVE WELDS IN MATERIAL 5/16" THICK OR GREATER.
- THE FOLLOWING SPECIAL INSPECTIONS SHALL BE REQUIRED PER CHAPTER 17 OF THE BUILDING CODE:
 - SPECIAL INSPECTION OF HIGH-STRENGTH BOLTING (WHEN APPLICABLE):
 - PERIODIC SPECIAL INSPECTION IF BOLTS ARE PRETENSIONED WITH MATCH-MARKING TECHNIQUES
 - CONTINUOUS SPECIAL INSPECTION OF ALL OTHER HIGH-STRENGTH BOLTING
 - PERIODIC SPECIAL INSPECTION OF PLACEMENT OF REINFORCING STEEL
 - CONTINUOUS SPECIAL INSPECTION OF ANCHOR BOLTS PRIOR TO AND DURING CONCRETE PLACEMENT
 - CONTINUOUS SPECIAL INSPECTION OF CONCRETE PLACEMENT
 - CONTINUOUS SPECIAL INSPECTION OF DRILLING OPERATIONS FOR PIER FOUNDATIONS
 - CONTINUOUS SPECIAL INSPECTION TO VERIFY LOCATION, PLUMBNESS, DIAMETER, AND LENGTH OF PIER FOUNDATIONS
 - SAMPLING & TESTING OF CONCRETE PER CHAPTER 17 OF THE BUILDING CODE TO VERIFY STRENGTH AND SLUMP
- SPECIAL INSPECTION IS NOT REQUIRED FOR WORK OF A MINOR NATURE OR AS WARRANTED BY CONDITIONS IN THE JURISDICTION AS APPROVED BY THE BUILDING OFFICIAL. THUS, SPECIAL INSPECTION ITEMS ABOVE MAY BE WAIVED AS DEEMED APPROPRIATE BY THE BUILDING OFFICIAL.
- NO STRUCTURAL OBSERVATION IS REQUIRED UNLESS NOTED IN CHAPTER 17 OF THE BUILDING CODE OR BY THE JURISDICTION.

DISCLAIMERS

- ALL STRUCTURAL COMPONENTS TO BE CONNECTED TOGETHER SHALL BE COMPLETELY FIT UP ON THE GROUND OR OTHERWISE VERIFIED FOR COMPATIBILITY PRIOR TO LIFTING ANY COMPONENT INTO PLACE. REPAIRS REQUIRED DUE TO FIT-UP OR CONNECTION COMPATIBILITY PROBLEMS AFTER PARTIAL ERECTION ARE THE FINANCIAL RESPONSIBILITY OF THE CONTRACTOR.
- SOME TELECOMMUNICATION STRUCTURES ARE SUSCEPTIBLE TO WIND-INDUCED OSCILLATIONS. OSCILLATIONS MAY OCCUR AT LOW OR MODERATE WIND SPEEDS AND MAY CAUSE STRUCTURAL DAMAGE. TIA PROVIDES NO PRACTICAL ANALYTICAL METHOD TO PREDICT AND PREVENT WIND-INDUCED STRUCTURAL OSCILLATIONS. VECTOR STRUCTURAL ENGINEERING RECOMMENDS FREQUENT MONITORING TO IDENTIFY WIND-INDUCED OSCILLATION AND REGULAR CONDITION ASSESSMENTS TO IDENTIFY FATIGUE CRACKING, LOOSE OR MISSING BOLTS, AND ANY OTHER STRUCTURAL DEFECTS. ANY OSCILLATION OR DEFECTS OBSERVED SHALL BE IMMEDIATELY REPORTED TO VECTOR STRUCTURAL ENGINEERING FOR FURTHER EVALUATION AND POSSIBLE REPAIRS OR MODIFICATIONS WHICH MAY BE REQUIRED AT THE OWNER'S EXPENSE.
- WHERE EFFECTIVE PROJECTED AREAS (EPA) ARE USED, IT IS THE RESPONSIBILITY OF OTHERS TO VERIFY INSTALLED EQUIPMENT DOES NOT EXCEED LISTED EPA.



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NOTES & SPECIFICATIONS

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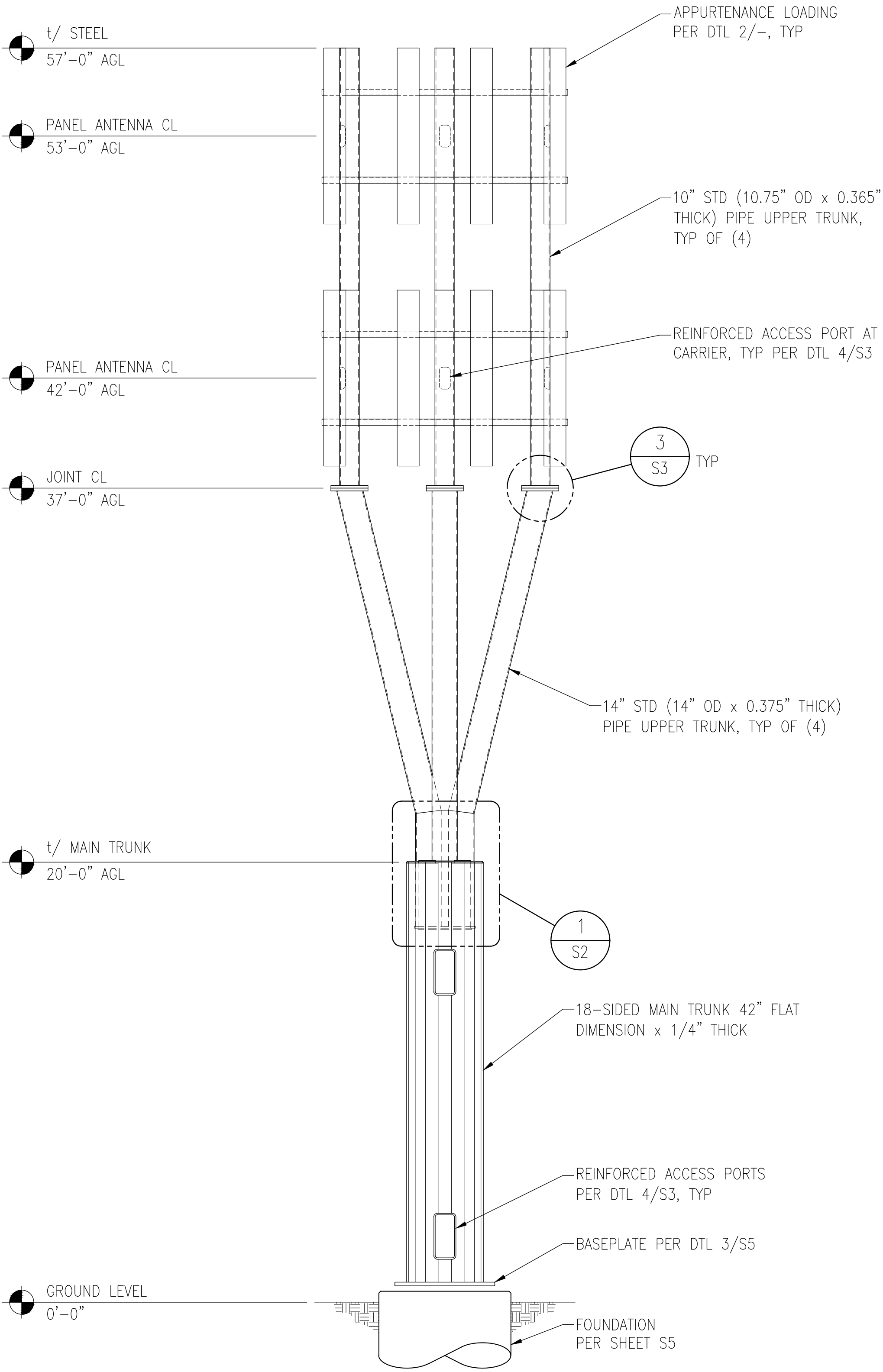
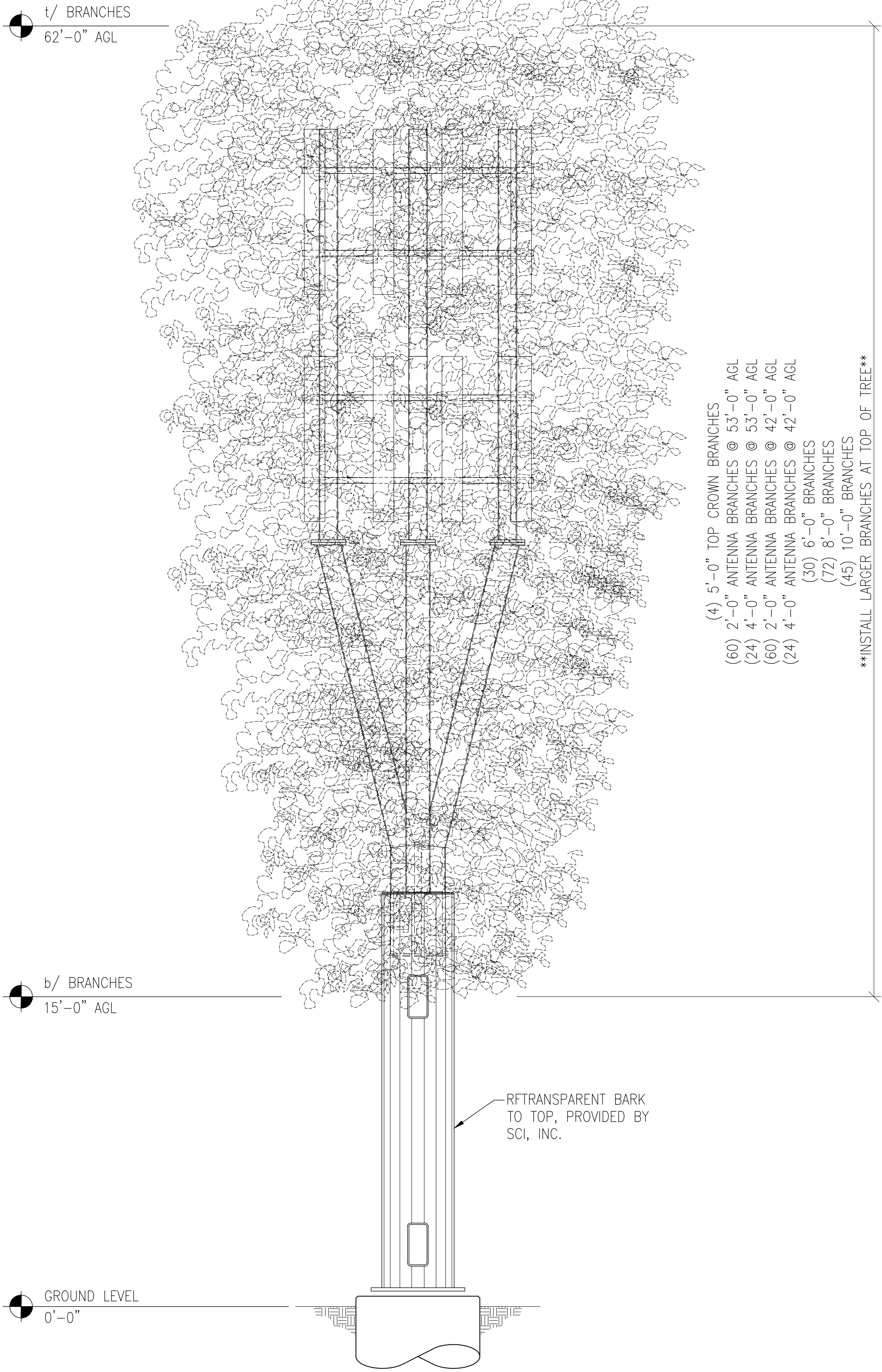
DESIGN LOADING:
ANTENNA CL @ 53'-0" AGL:
(4) CCI TPA-45R-KU8AA-K (98.7"x15.4"x8.2") PANEL ANTENNAS
(4) ERICSSON AIR6449 B77D (31"x15.9"x10.6") PANEL ANTENNAS
(4) ERICSSON AIR6419 B77G (28.3"x16.1"x7.9") PANEL ANTENNAS
(8) RRU 4449 B5/B12
(8) RRU 8843 B2/B66A
(8) RRU 4478 B14
(4) RAYCAP SURGE SUPPRESSORS
MOUNT PER SHEET S4

ANTENNA CL @ 42'-0" AGL:
(8) CCI TPA-45R-KU8AA-K (98.7"x15.4"x8.2") PANEL ANTENNAS
(8) RRU 4449 B5/B12
(8) RRU 8843 B2/B66A
(8)RRU 4478 B14
(4) RAYCAP SURGE SUPPRESSORS
MOUNT PER SHEET S4

APPURTENANCES

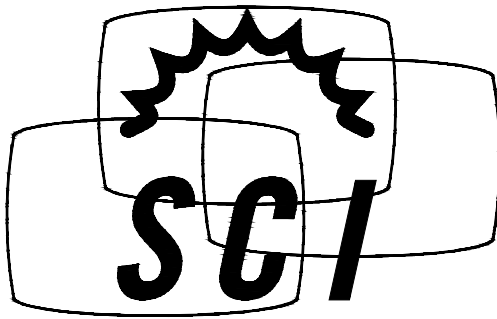
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NOTE:
1. BRANCHES ARE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY AND ARE NOT DRAWN TO SCALE.
2. SEE DETAIL 1/S3 FOR UPPER TRUNK SPACING AND MAX BRANCH DIAMETER.
3. ANTENNAS TO BE COVERED w/ FOLIAGE COLORED ANTENNA SOCKS
4. SEE DETAIL 2/S3 FOR BRANCH RECEPTACLES.



ELEVATIONS

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ELEVATION VIEWS

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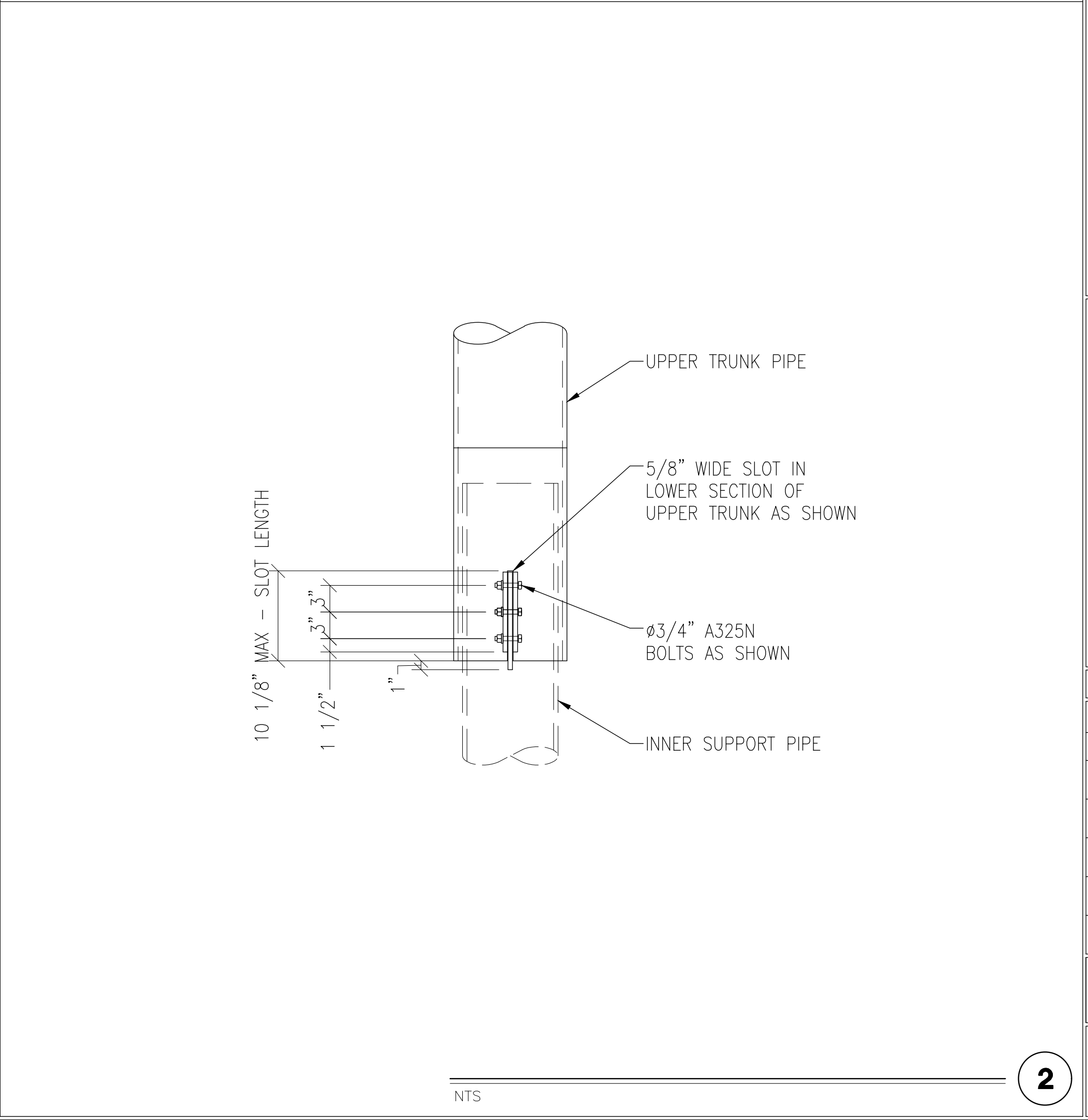
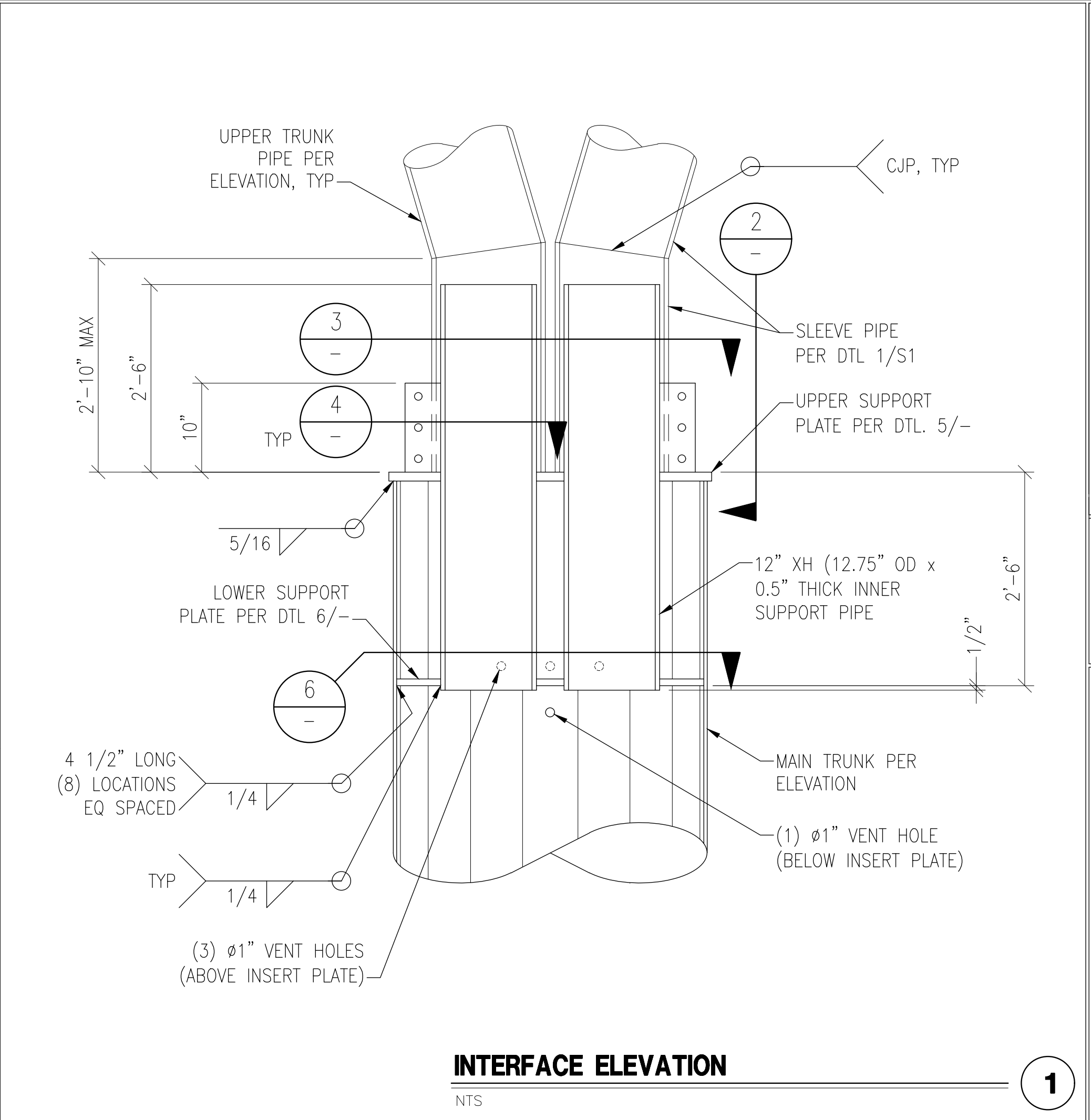
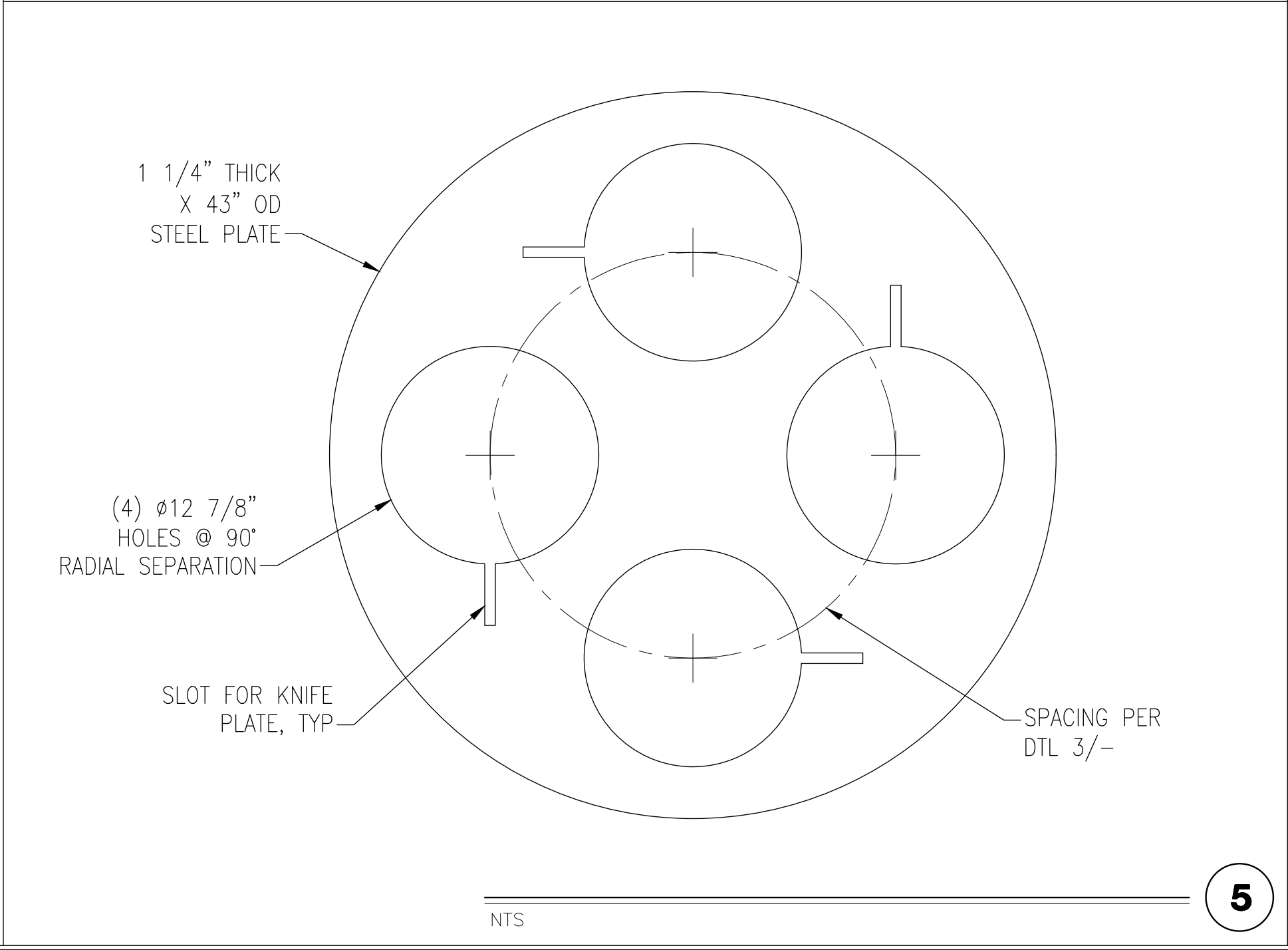
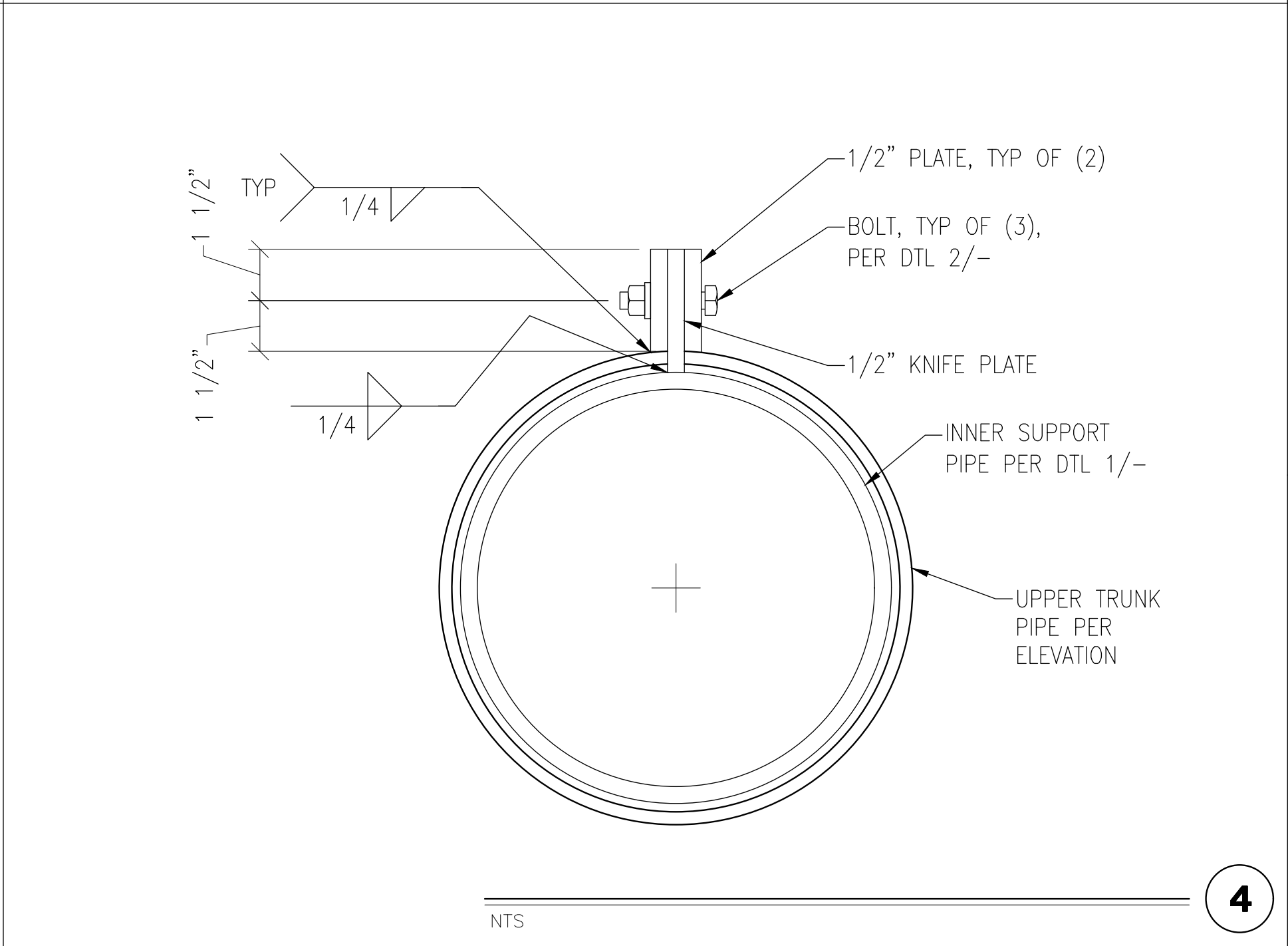
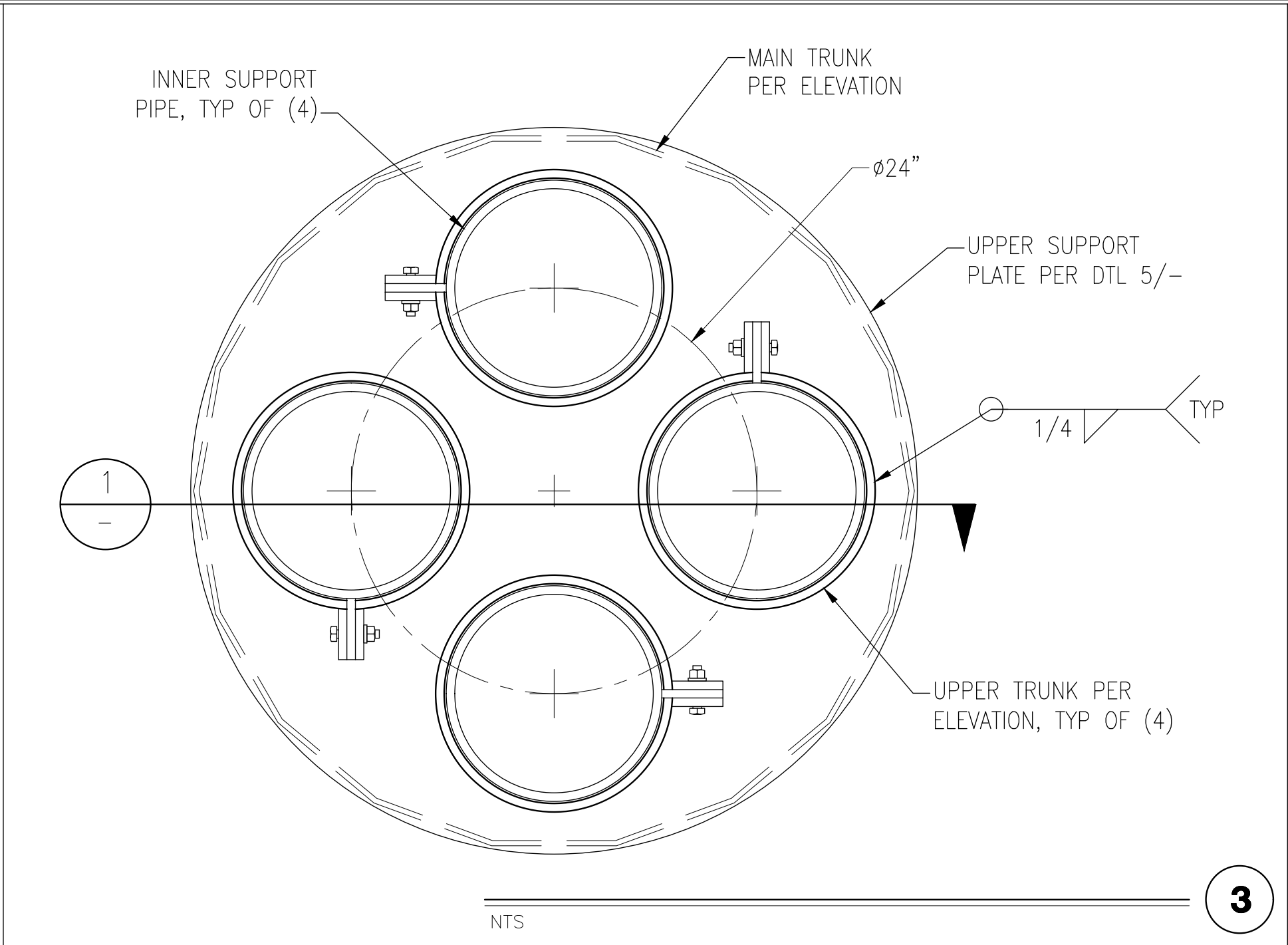
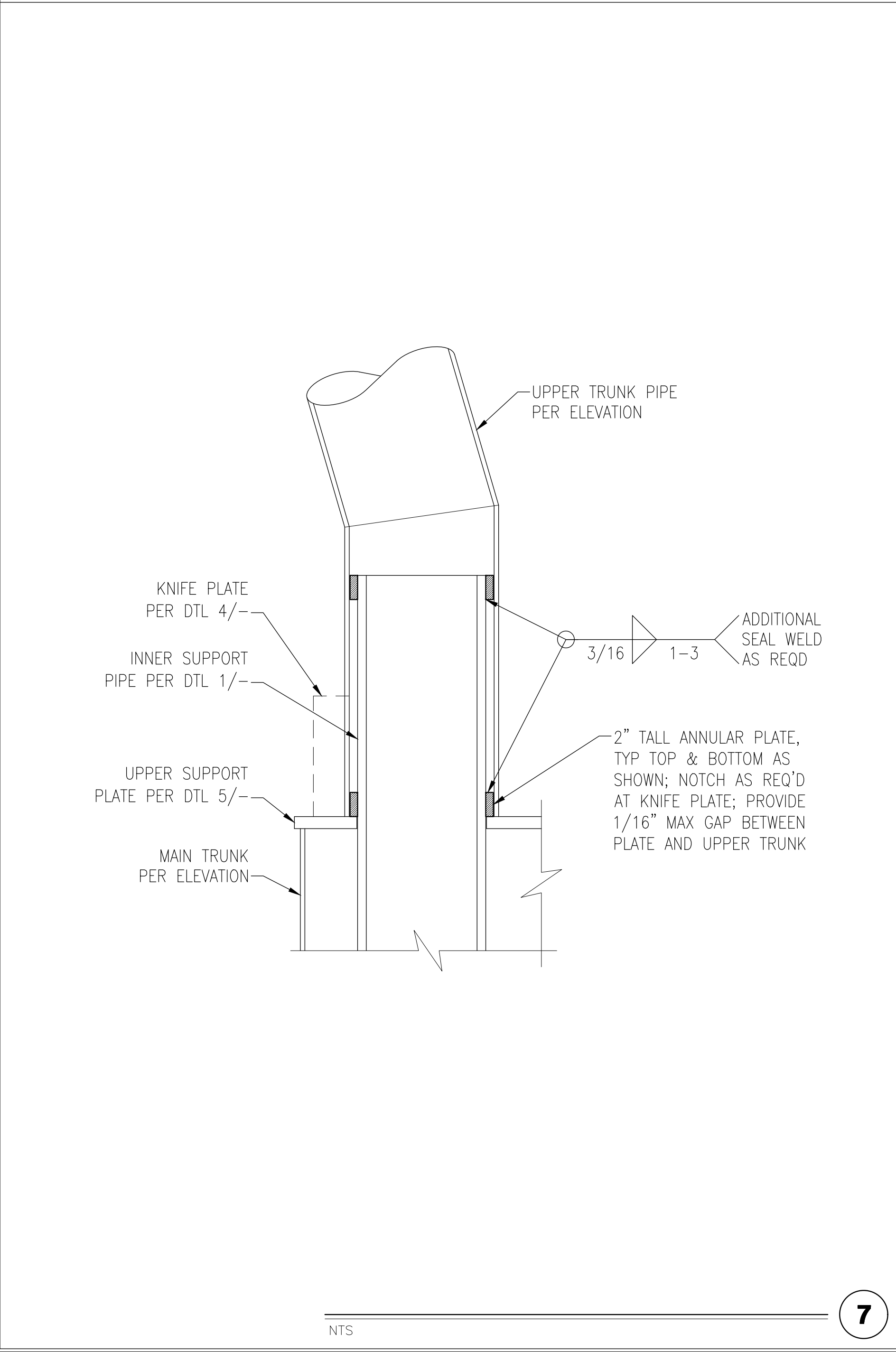
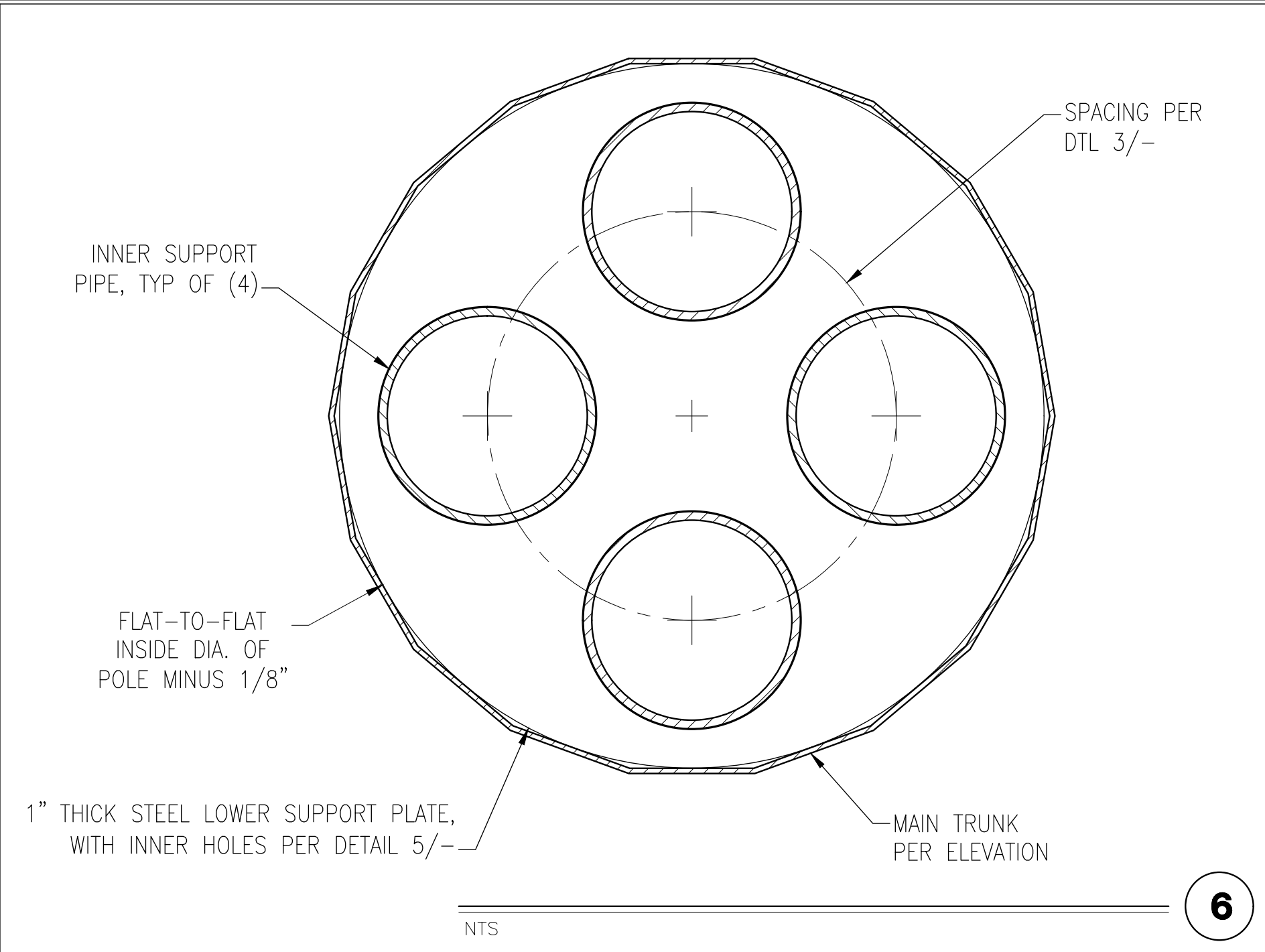
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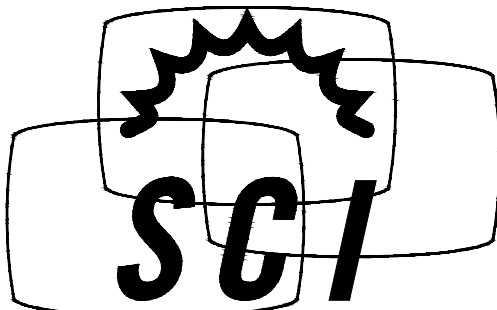
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DETAILS

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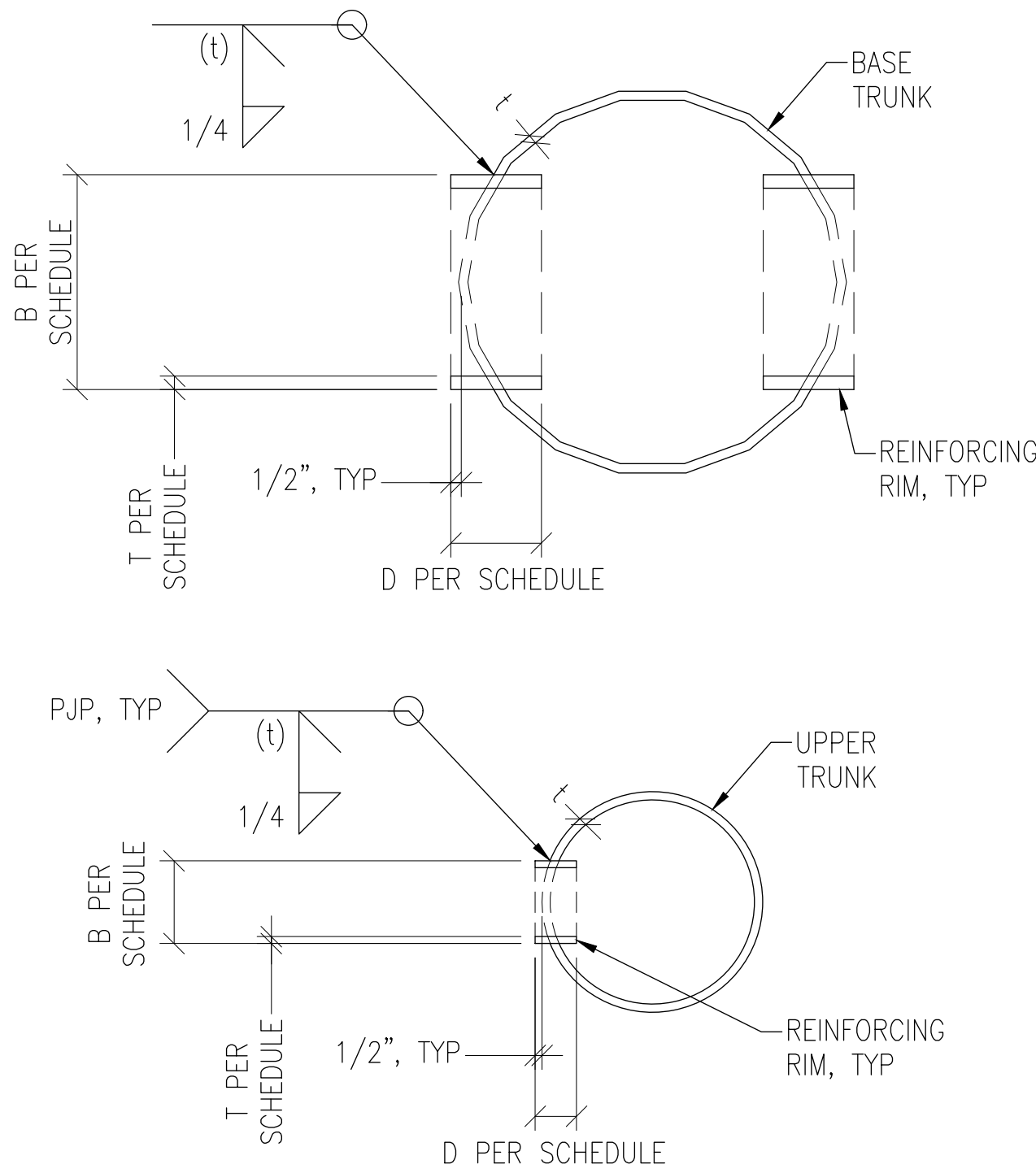


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PORT SCHEDULE					
CL ELEV.	PORT SIZE (B x H)	D	T	QTY	AZIMUTH(S)
53'-0"	6"x12"	3"	1/2"	1	T.B.D.
42'-0"	6"x12"	3"	1/2"	1	T.B.D.
15'-0"	12"x25"	3"	3/4"	2	180° SEPARATION
3'-0"	12"x25"	3"	3/4"	2	180° SEPARATION

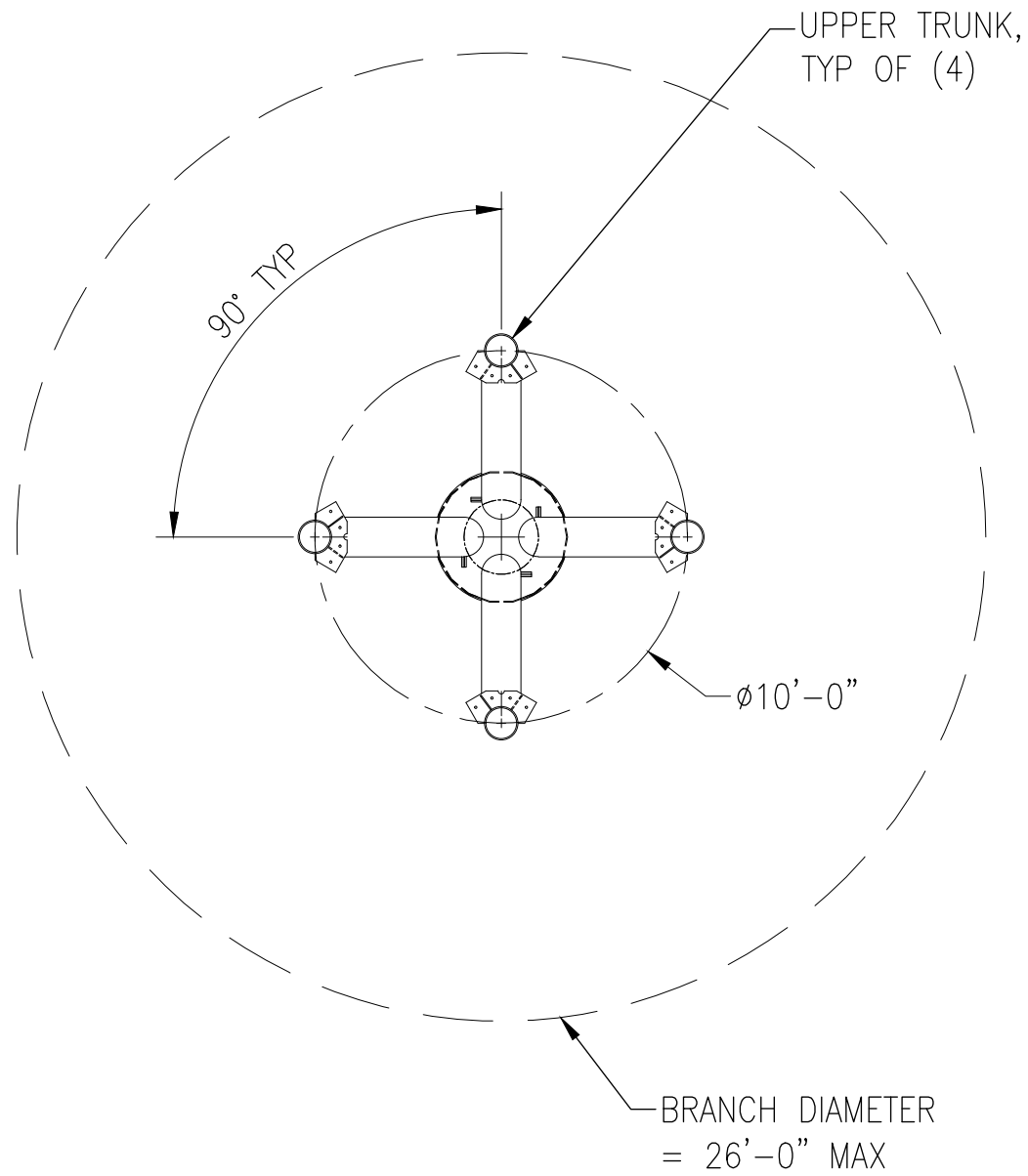
NOTES:
1. SEE SCHEDULE FOR PORT QUANTITY & AZIMUTHS.
2. SEE SHEET S1 FOR POLE SHAFT THICKNESS, t.
3. SEE GENERAL NOTES FOR REINFORCED PORT MATERIAL GRADE.
4. H REPRESENTS THE PORT HEIGHT OUT-TO-OUT.



REINFORCED ACCESS PORTS

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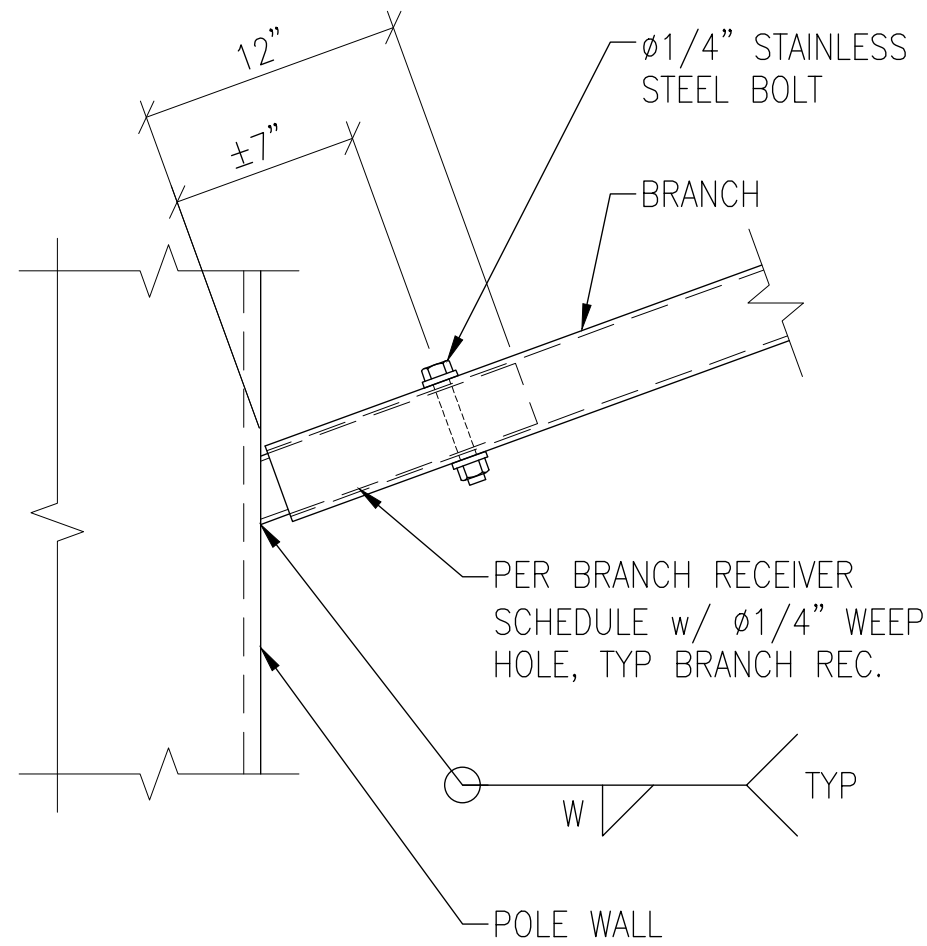
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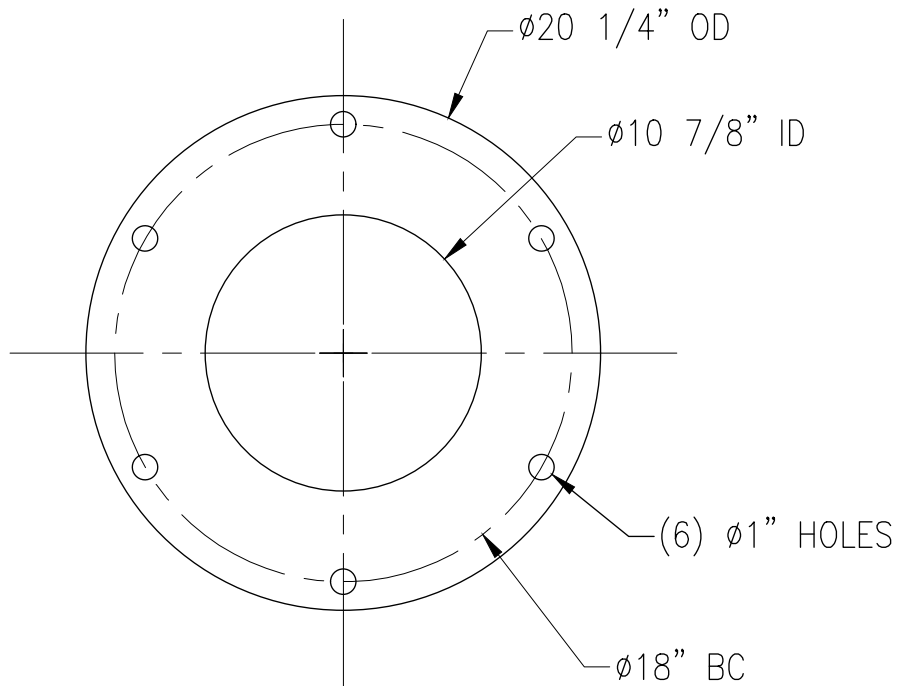
BRANCH RECEIVER SCHEDULE			
BRANCH LENGTH	YIELD STRENGTH (KSI)	SIZE	W
4'-0"	35	1 1/4" SCH 40	3/16
6'-0"	35	1 1/4" SCH 40	3/16
8'-0"	35	1 1/4" SCH 40	3/16
10'-0"	35	1 1/4" SCH 40	3/16



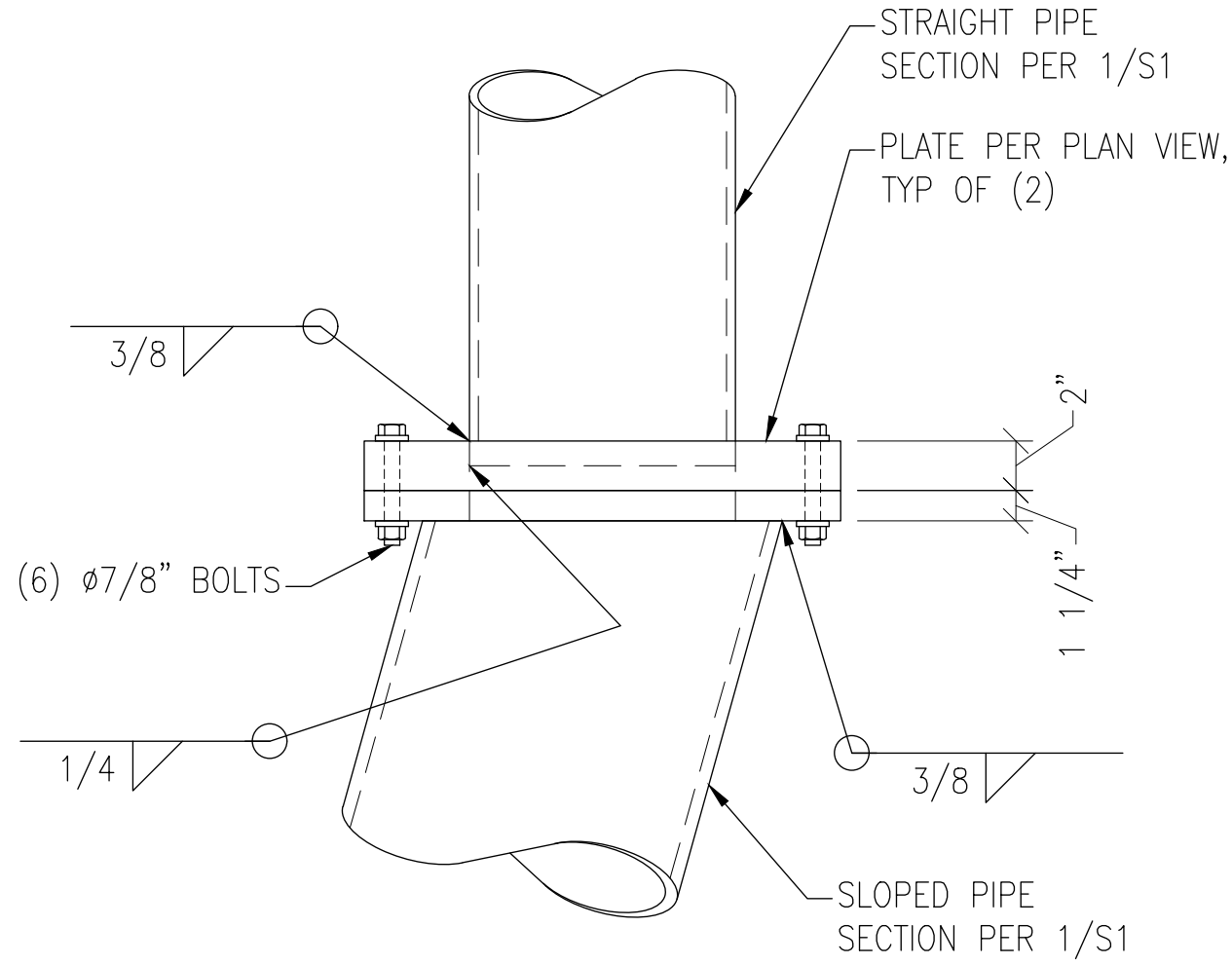
BRANCH RECEPTACLE, TYP

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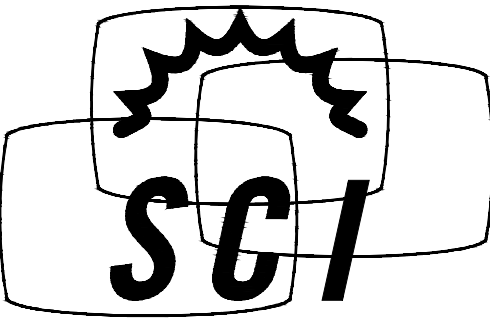
STEEL PLATE PLAN VIEW



ELEVATION VIEW

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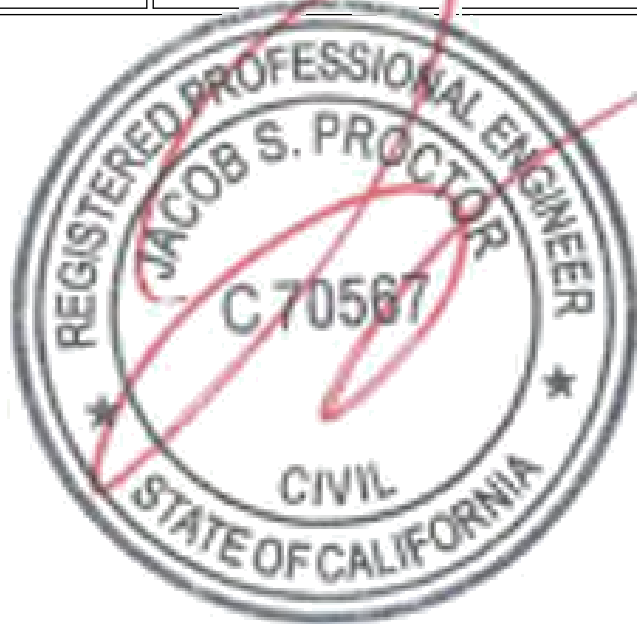
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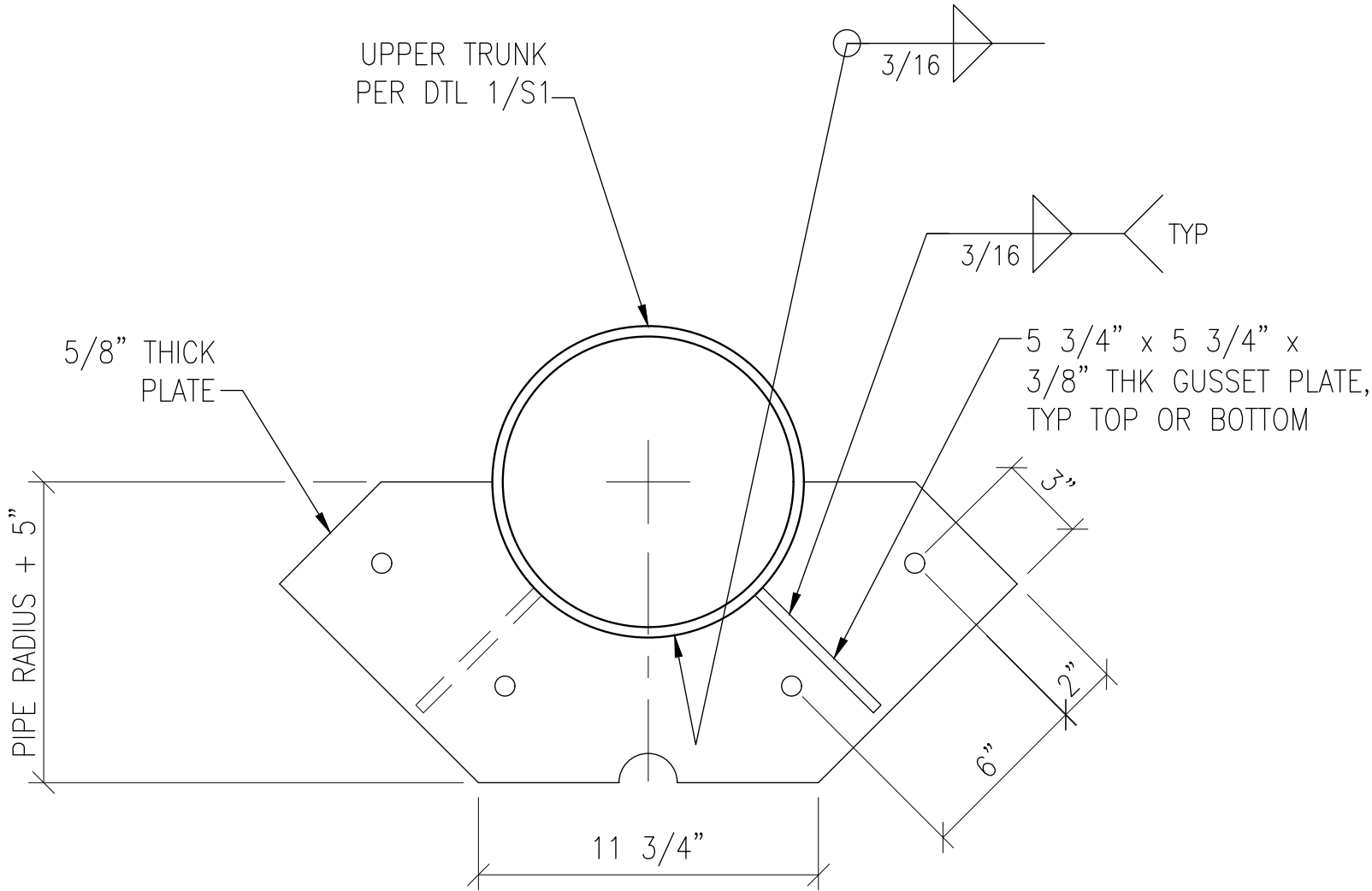
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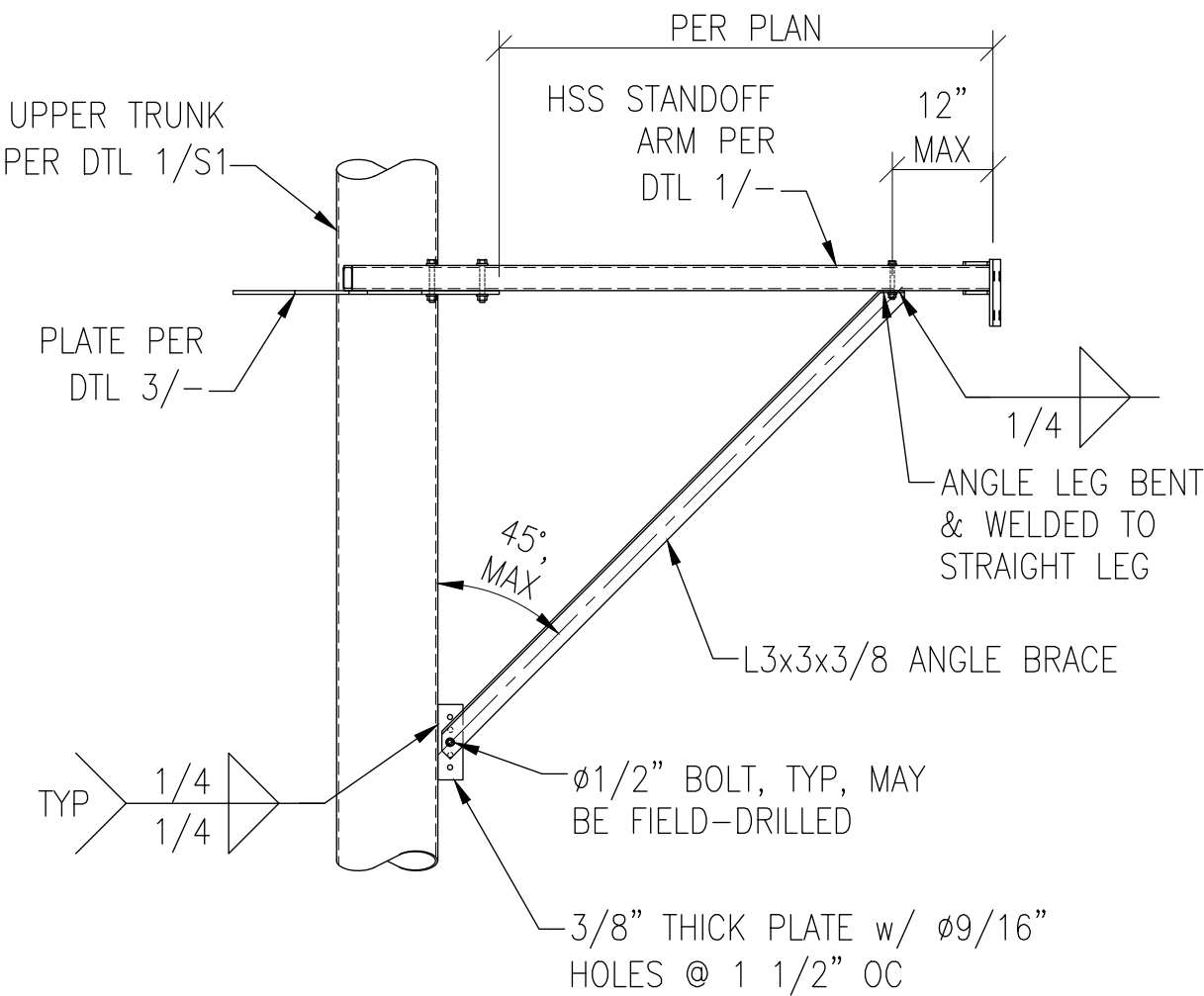


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NOTE: ALL FIELD-DRILLED HOLES & FIELD-CUT SURFACES SHALL BE TOUCHED UP WITH ZINC-RICH "COLD-GALV" COMPOUND.

NOTE: REFER TO DTL 3/- FOR INFO NOT SHOWN.



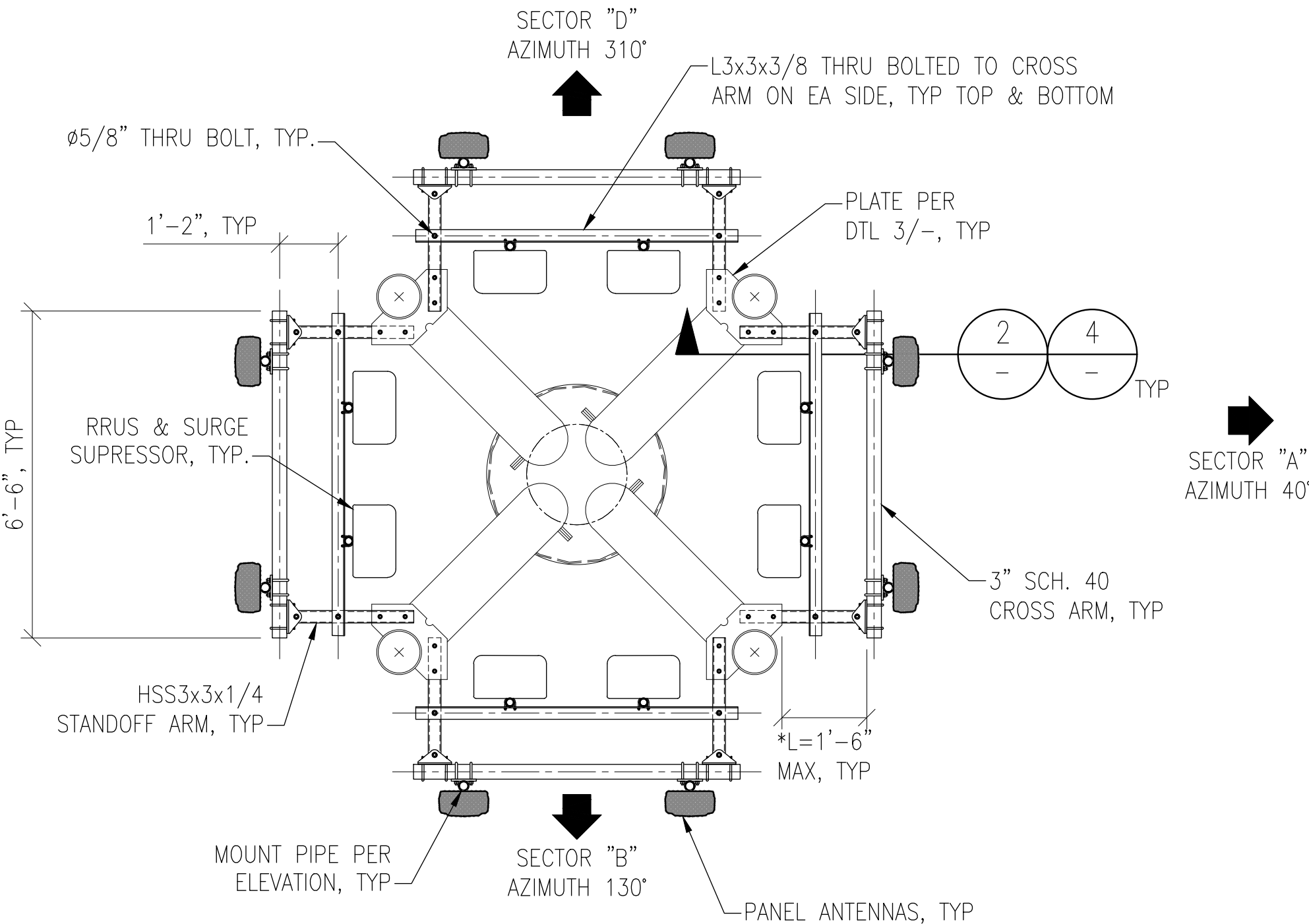
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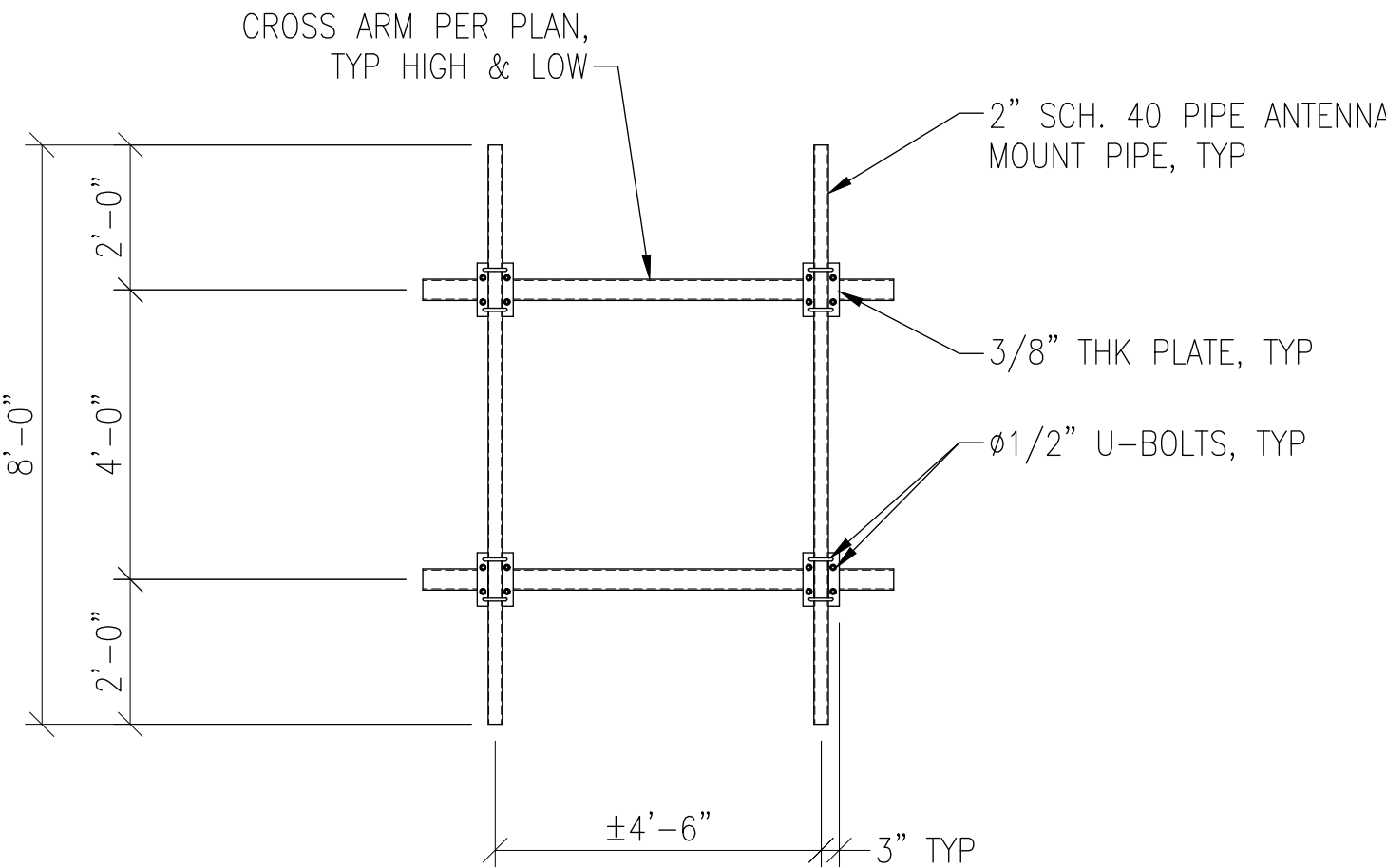
NOTE: SEE 2/S1 FOR CARRIER LOADING NOT SHOWN.

* NOTE: WHERE L EXCEEDS 12". USE BRACE AT ONE LEVEL, TOP OR BOTTOM PER DTL 4/- . L NOT TO EXCEED 5'-0".

SECTOR "C"
AZIMUTH 220°



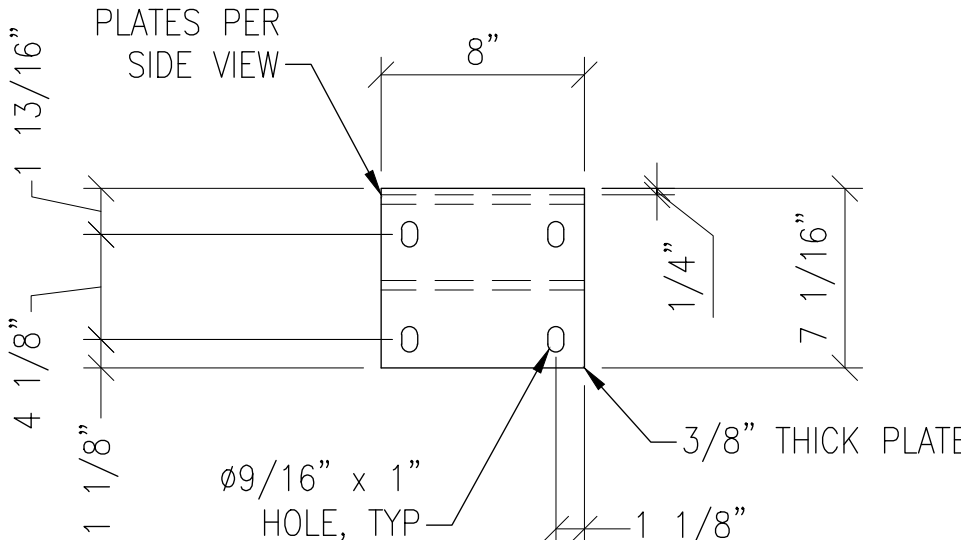
PLAN VIEW



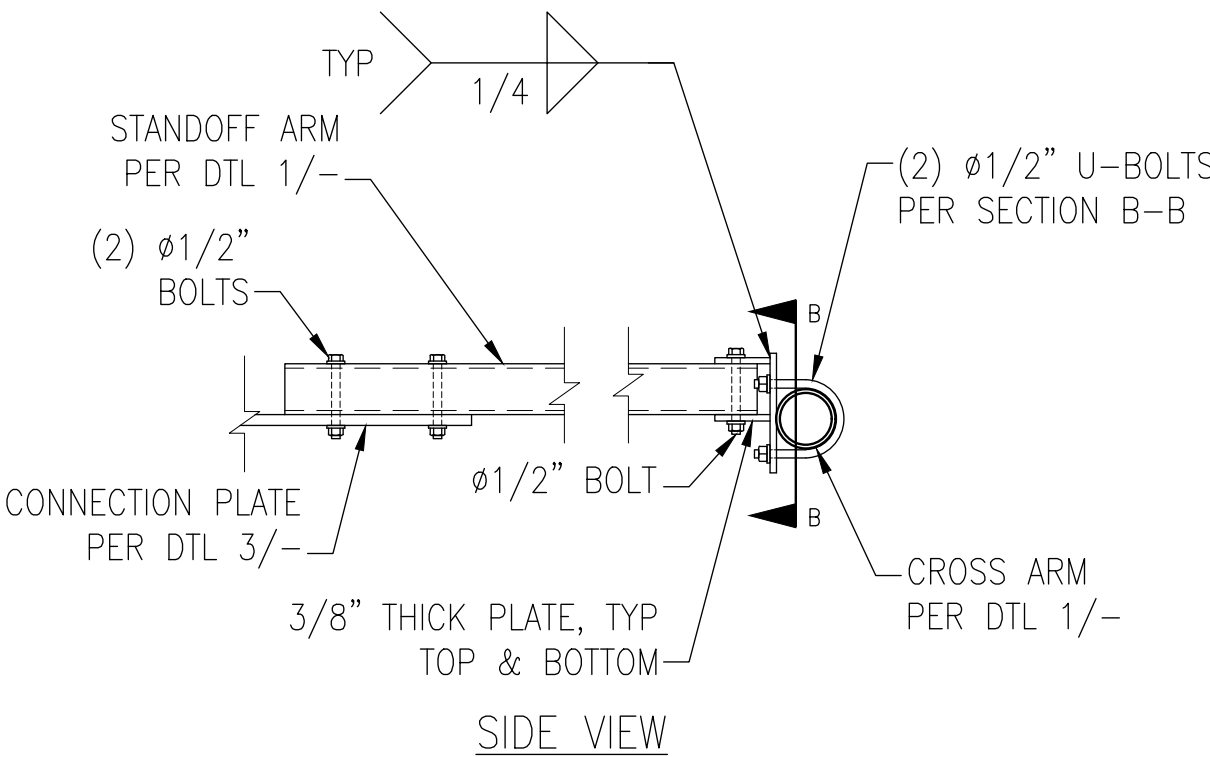
ELEVATION VIEW

NTS

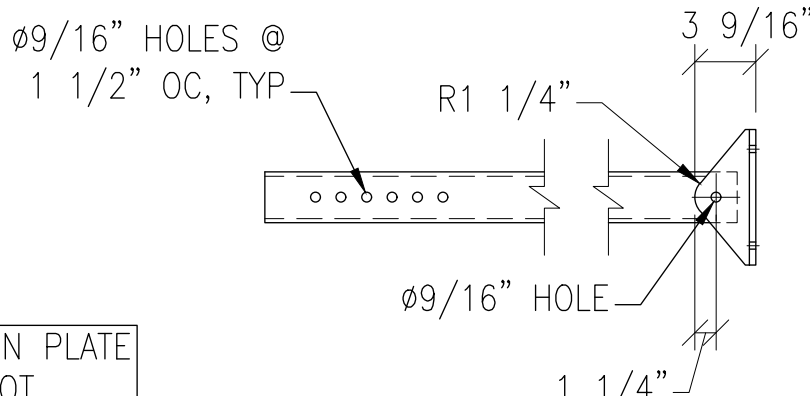
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SECTION B-B



SIDE VIEW

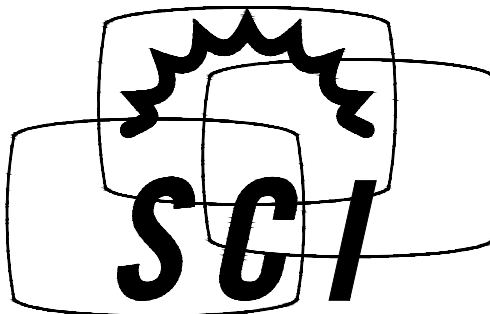


PLAN VIEW

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NOTE: CONNECTION PLATE & CROSS ARM NOT SHOWN FOR CLARITY.



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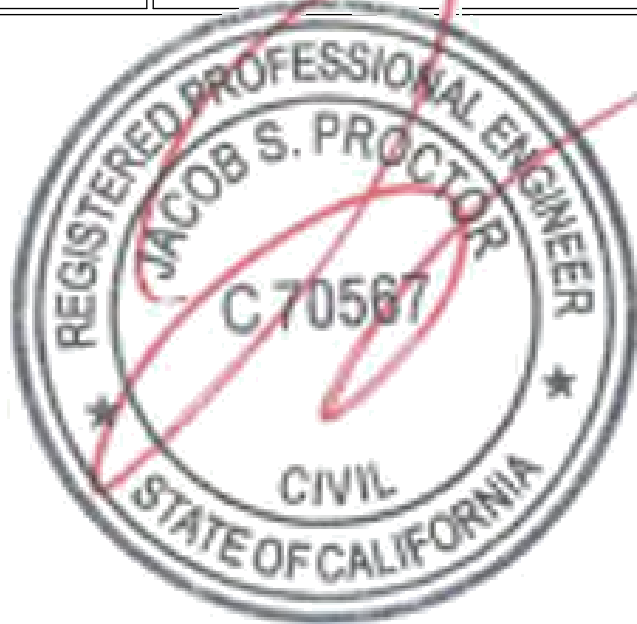
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DETAILS

CLL05463

US PATENT # 7616170 & 8035574
62'-0" QUAD-EUC
1700 NORTH TOWNE AVENUE
CLAREMONT, CA 91711



06/20/2024

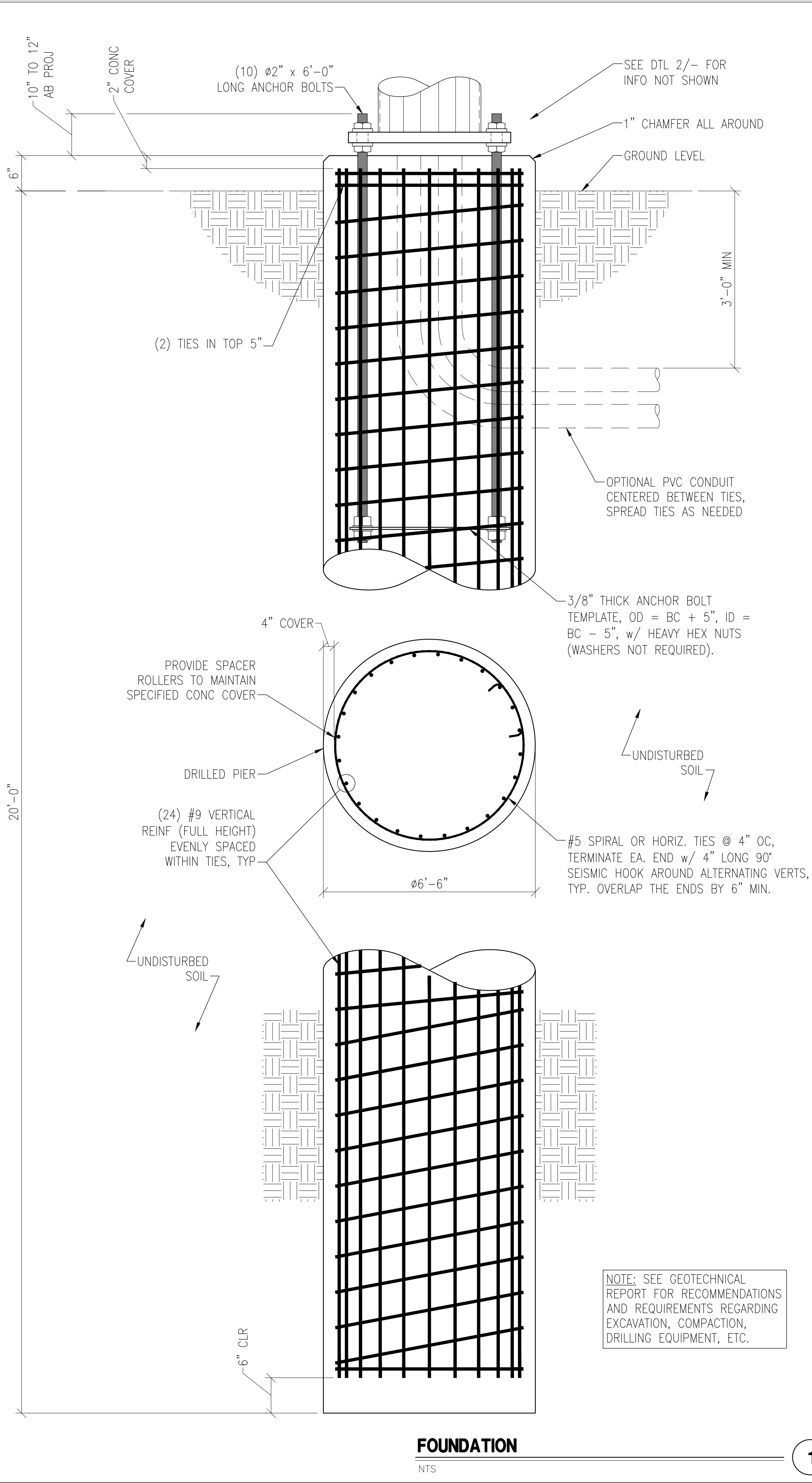
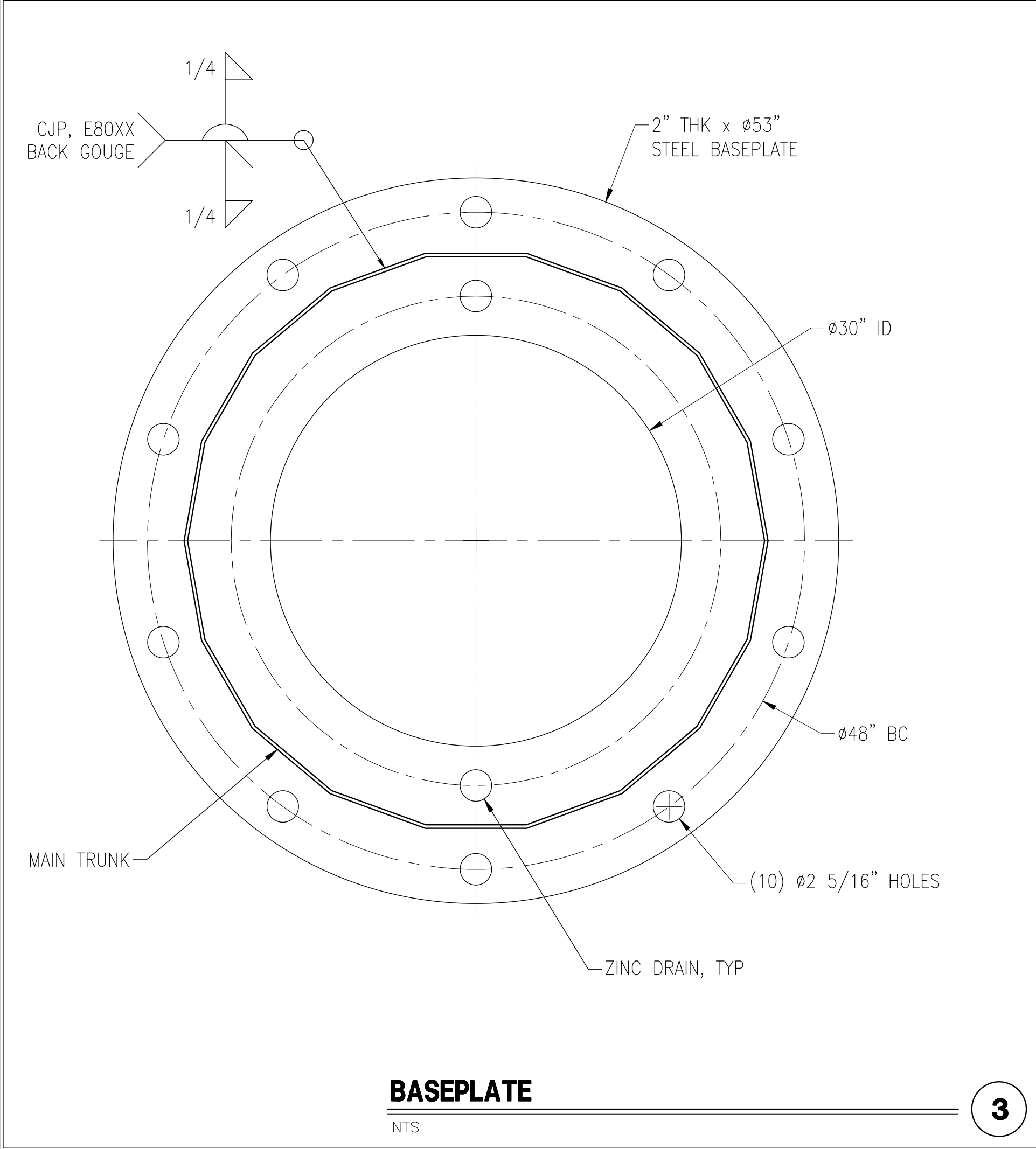
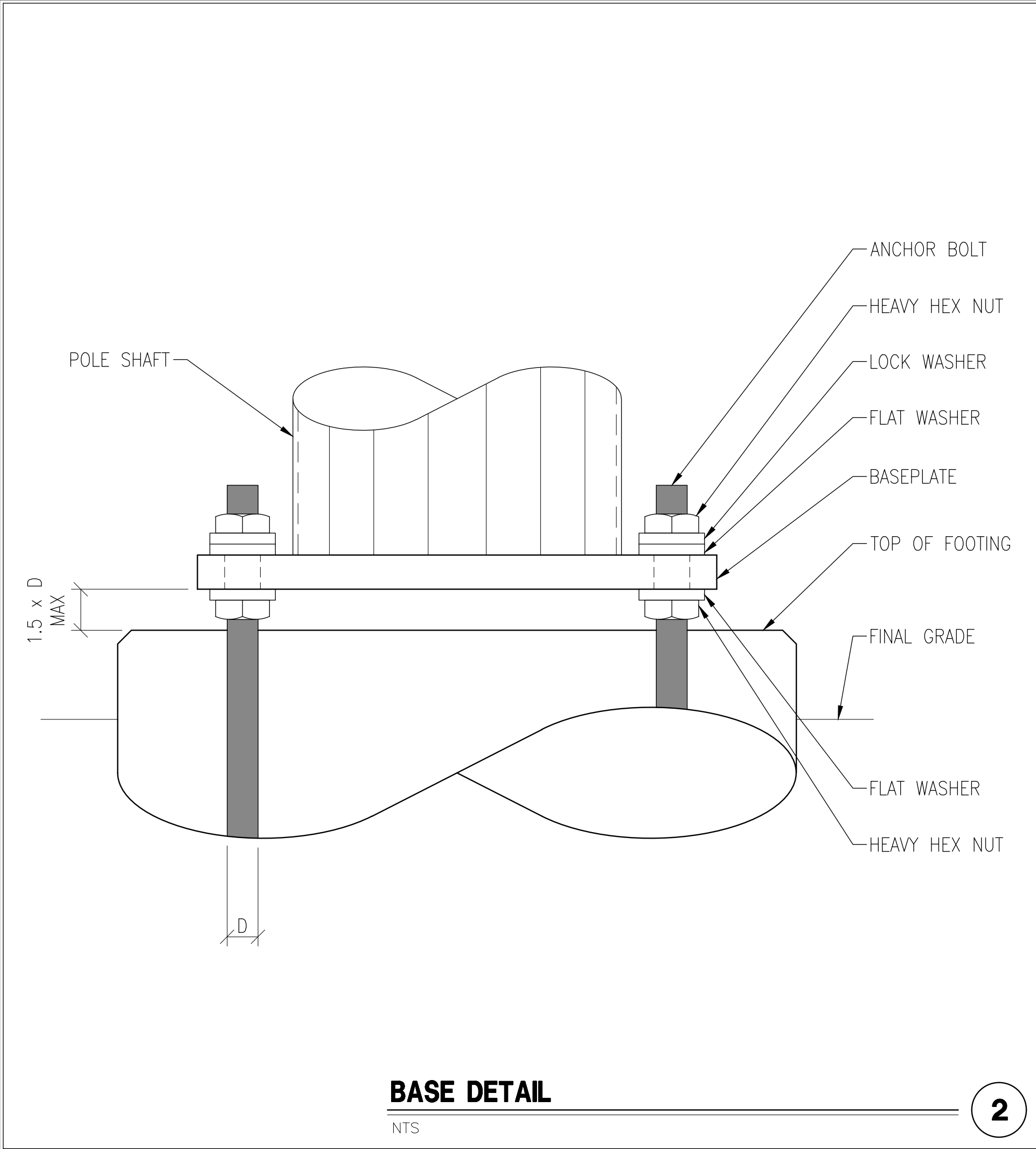
DATE: 6/20/24 DESIGNED: EME DRAFTER: EME

REVISIONS		
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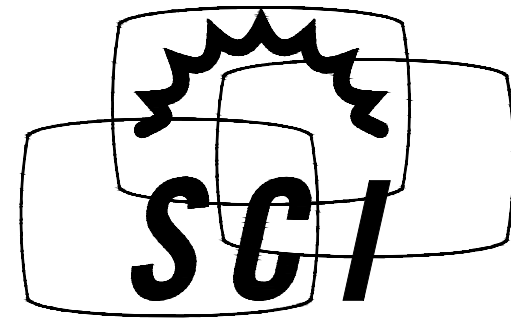
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GENERAL NOTES

1. CONTRACTOR IS RESPONSIBLE FOR CHECKING AREA FOR UNDERGROUND FACILITIES PRIOR TO EXCAVATING ANY MATERIALS.
2. CONTRACTOR SHALL REFER TO SOILS REPORT FOR SITE CONDITIONS AND FURTHER CONSTRUCTION INFORMATION.
3. CONTRACTOR SHALL INSPECT AND REMOVE ALL DEBRIS FROM BOTTOM OF EXCAVATION.
4. CONTRACTOR SHALL VERIFY ANCHOR BOLT LAYOUT PRIOR TO AND IMMEDIATELY AFTER PLACING CONCRETE. ANCHOR BOLT LAYOUT IS CRITICAL FOR MONOPOLE INSTALLATION.
5. CONTRACTOR SHALL USE AND PROVIDE DEFORMED REINFORCING BARS CONFORMING TO ASTM A615 GR 60 (60,000 PSI MIN YIELD). CONTRACTOR SHALL USE STEEL WIRE TO HOLD REINFORCING BARS TOGETHER. IF WELDING REBAR IS PREFERRED, SUBSTITUTE A706 GR 60 DEFORMED BARS.
6. ALL CONCRETE SHALL USE TYPE II PORTLAND CEMENT AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS. CONCRETE SHALL HAVE A MINIMUM OF 6% ENTRAINED AIR (WHERE FROST DEPTH > 0'). CONCRETE SHALL HAVE A MAXIMUM WATER/CEMENT RATIO OF 0.50. CONCRETE SHALL HAVE A SLUMP OF 5" (±1") UNLESS OTHERWISE SPECIFIED IN THE GEOTECHNICAL REPORT. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH "THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE," ACI 318-19.
7. CONCRETE SHALL BE CONSOLIDATED USING VIBRATORY METHODS THROUGHOUT DEPTH OF FOUNDATION. VIBRATING LOWER DEPTHS MAY NOT BE ACCOMPLISHED BY TOUCHING REBAR CAGE WITH VIBRATOR.
8. CONTRACTOR SHOULD ANTICIPATE THE USE OF A FULL-LENGTH TEMPORARY CASING TO STABILIZE THE EXCAVATION. THE CASING SHALL BE WITHDRAWN DURING THE PLACEMENT OF CONCRETE IN THE EXCAVATED HOLE. CONCRETE SHALL NOT FREE FALL. CONCRETE MAY BE PLACED BELOW WATER USING TREMIE METHODS.
9. CONCRETE SHALL BE PLACED TO THE DEPTH INDICATED AND THE ABOVE GRADE PORTION SHALL BE FORMED. THE REBAR CAGE, ANCHOR BOLTS, AND CONCRETE SHALL BE PLACED WITHIN 24 HOURS OF COMPLETING THE EXCAVATION. COLD JOINTS ARE NOT ALLOWED, UNO
10. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ADEQUATE CONCRETE COVERAGE OVER REINFORCING BARS. UNLESS OTHERWISE NOTED, CONTRACTOR SHALL USE 3" CONCRETE COVER OVER REBAR. TOP OF FOOTING SHALL BE TROWEL LEVEL AND SMOOTH.
11. DRILLED PIER FOUNDATION BASED ON THE SOILS REPORT PREPARED BY:

GEOBODEN INC.
PROJECT # : CLL05463-1-01
DATE: February 6, 2024



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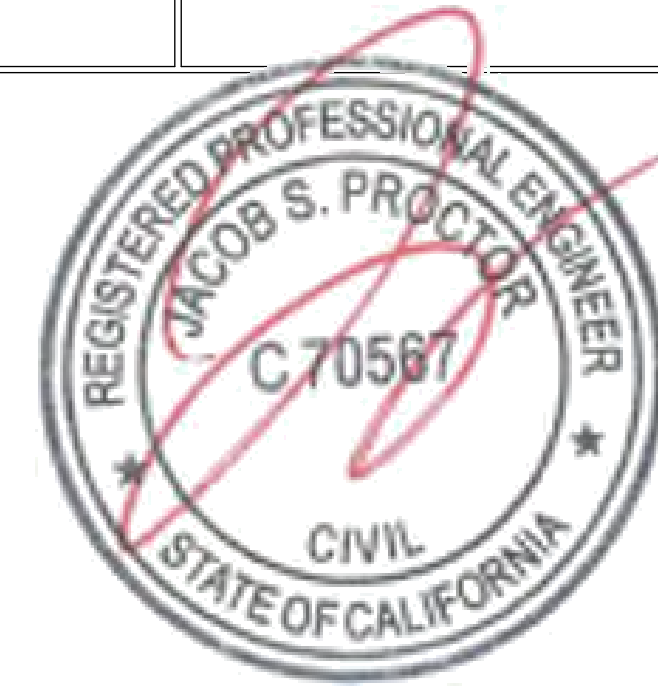
FOUNDATION

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