

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 | 6. 2022 CALIFORNIA FIRE CODE |
| 2. 2022 CALIFORNIA BUILDING CODE | 7. ANY LOCAL BUILDING CODE AMENDMENTS |
| 3. 2022 CALIFORNIA ELECTRIC CODE | 8. CITY/COUNTY ORDINANCES |
| 4. 2022 CALIFORNIA MECHANICAL CODE | 9. ANSI / TIA-222 STRUCTURAL CODE |
| 5. 2022 CALIFORNIA PLUMBING 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 SHEPHERD 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



**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**

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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1452 EDINGER AVE.
3RD FLOOR
TUSTIN, CA 92780



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

NOT FOR CONSTRUCTION

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

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

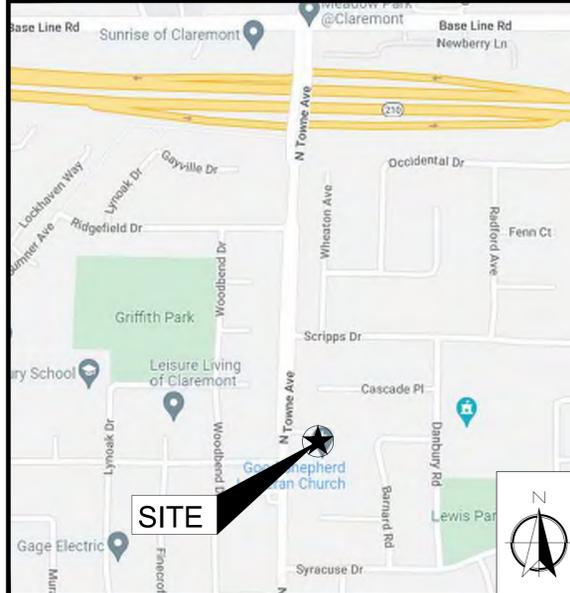
SHEET TITLE

TITLE SHEET

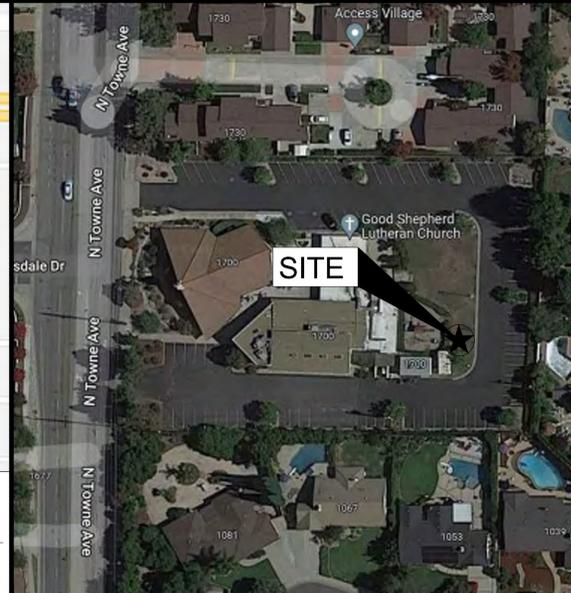
SHEET NUMBER

T-1

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.
 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.
 8. SITE IS ON LEFT HAND SIDE



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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

NOTICE

Beyond This Point you are entering a controlled area where RF emissions *may exceed* the FCC General Population Exposure Limits.

Follow all posted signs and site guidelines for working in a RF environment.

Ref: 47CFR 1.1307(d)

CAUTION

Beyond This Point you are entering a controlled area where RF emissions *may exceed* the FCC Occupational Exposure Limits.

Obey all posted signs and site guidelines for working in a RF environment.

Ref: 47CFR 1.1307(d)

BATTERY
NO SCALE

CAUTION SIGNS
NO SCALE

WARNING!

DANGER DO NOT TOUCH TOWER!

SERIOUS "RF" BURN HAZARD!

MAINTAIN AN ADEQUATE CLEARANCE BETWEEN TOWER SUPPORTS AND GUY WIRES

FAILURE TO OBEY ALL POSTED SIGNS AND SITE GUIDELINES FOR WORKING IN A RADIO FREQUENCY ENVIRONMENT COULD RESULT IN SERIOUS INJURY. CONTACT CURRENT MAX EXCEEDS LIMITS PRESCRIBED BY ANSI, IEEE, C95.1-1992 FOR CONTROLLED ENVIRONMENTS.

CAUTION SIGN
NO SCALE

PROPERTY OF AT&T

AUTHORIZED PERSONNEL ONLY

IN CASE OF EMERGENCY, OR PRIOR TO PERFORMING MAINTENANCE ON THIS SITE, CALL 800-638-2822 AND REFERENCE CELL SITE NUMBER.

INFO SIGN #5
NO SCALE



INFO SIGN #3
NO SCALE

INFORMATION

AT&T operates telecommunication antennas at this location. Remain at least 3 feet away from any antenna and obey all posted signs.

Contact the owner(s) of the antenna(s) before working closer than 3 feet from the antenna.

Contact AT&T at _____ prior to performing any maintenance or repairs near AT&T antennas. This is Site# _____.

Contact the management office if this door/hatch/gate is forced unlocked.

INFORMACION

En esta propiedad se ubican antenas de telecomunicaciones operadas por AT&T. Favor mantener una distancia de no menos de 3 pies y obedecer todos los señas.

Comuníquese con el propietario o los propietarios de las antenas antes de trabajar o caminar a una distancia de menos de 3 pies de la antena.

Comuníquese con AT&T antes de realizar cualquier mantenimiento o reparaciones cerca de las antenas de AT&T.

Este es la estación base número: _____.

Favor comunicarse con la oficina de la administración del edificio al este punto o compente se encuentra sin acalado.

INFO SIGN #1
NO SCALE

INFORMATION

ACTIVE ANTENNAS ARE MOUNTED

ON THE OUTSIDE OF THIS BUILDING

BEHIND THIS PANEL

ON THIS STRUCTURE

STAY BACK A MINIMUM OF 3 FEET FROM THESE ANTENNAS

Contact AT&T at _____ and follow their instructions prior to performing any maintenance or repairs closer than 3 feet from the antenna.

This is AT&T site# _____

INFO SIGN #2
NO SCALE

INFO SIGN #4
NO SCALE

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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						
RADIATION AREA IS BEYOND 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	
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



1452 EDINGER AVE.
3RD FLOOR
TUSTIN, CA 92780



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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
**STATEMENT OF
SPECIAL
INSPECTIONS**

SHEET NUMBER

T-4

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. 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.		PERIODIC
2	CONCRETE: A CONTINUOUS INSPECTION AND TEST CYLINDERS FOR STRUCTURAL CONCRETE EXCEPT FOUNDATION CONCRETE OF 2500 PSI OR LESS 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.		CONTINUOUS
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 AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION.		N/A

SPECIAL INSPECTION NOTES:

- 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.
- 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.
- THE SPECIAL INSPECTORS MUST BE CERTIFIED BY THE AUTHORITY HAVING JURISDICTION, IN THE CATEGORY OF WORK REQUIRED TO HAVE SPECIAL INSPECTION.
- 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.
- 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.
- 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.
- THE CONSTRUCTION MATERIALS TESTING LABORATORY MUST BE APPROVED BY THE AUTHORITY HAVING JURISDICTION, FOR TESTING OF MATERIALS, SYSTEMS, COMPONENTS AND, EQUIPMENTS.
- 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.



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)

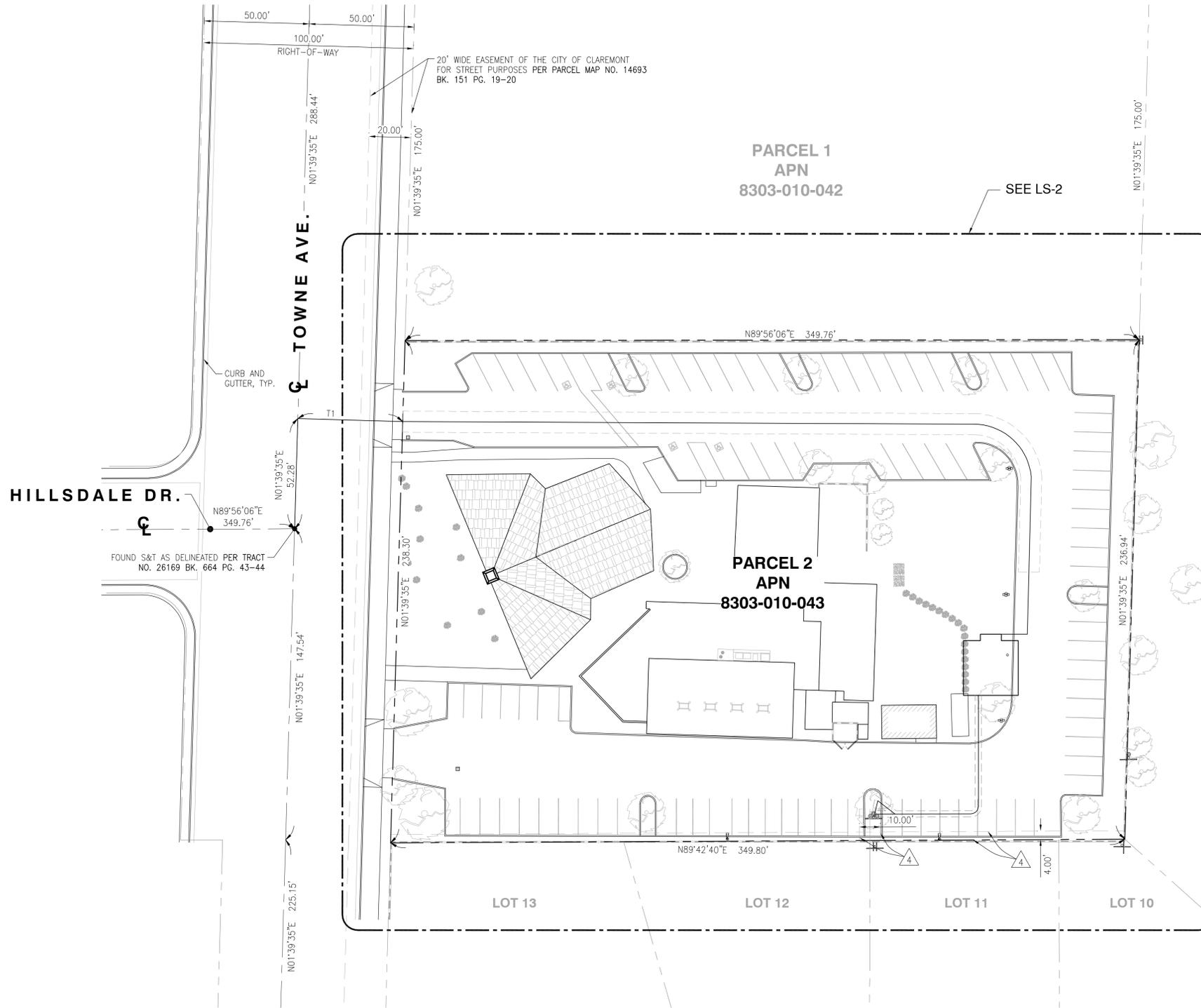
- ITEMS A & B ARE TAX RELATED
- ITEMS C & D ARE LIENS RELATED
- ITEM 1 & 7 ARE RIGHTS RELATED
- ITEM 5 IS DEEDS RELATED
- ITEM 6 IS ADVISORY RELATED

EASEMENTS:

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

△ 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

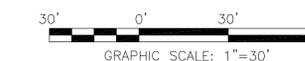
PROPERTY LINES DERIVED FROM
PARCEL MAP NO. 14693 BK. 151 PG. 19-20 DATED APRIL 09, 1982
TRACT NO. 26169 BK. 664 PG. 43-44 DATED DECEMBER 07, 1960
TRACT NO. 22450 BK. 720 PG. 97-99 DATED APRIL 28, 1964



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

LEGENDS

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



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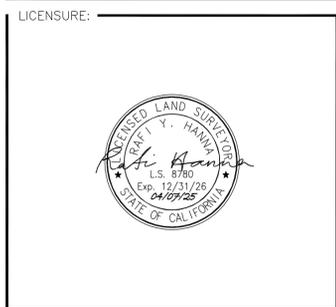
esite
concepts

16885 VIA DEL CAMPO CT., SUITE 318
SAN DIEGO, CA 92127
tel: (858) 432-4112 / (858) 432-4257

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



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
- FL FLOW LINE
- EG EXISTING GRADE
- TC TOP OF CURB
- LP LIP OF GUTTER
- FS FINISH SURFACE
- TT TOP OF TREE
- TP TOP OF UTILITY POLE
- TL TOP OF LIGHT POLE
- TR TOP OF ROOF
- TCR 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)

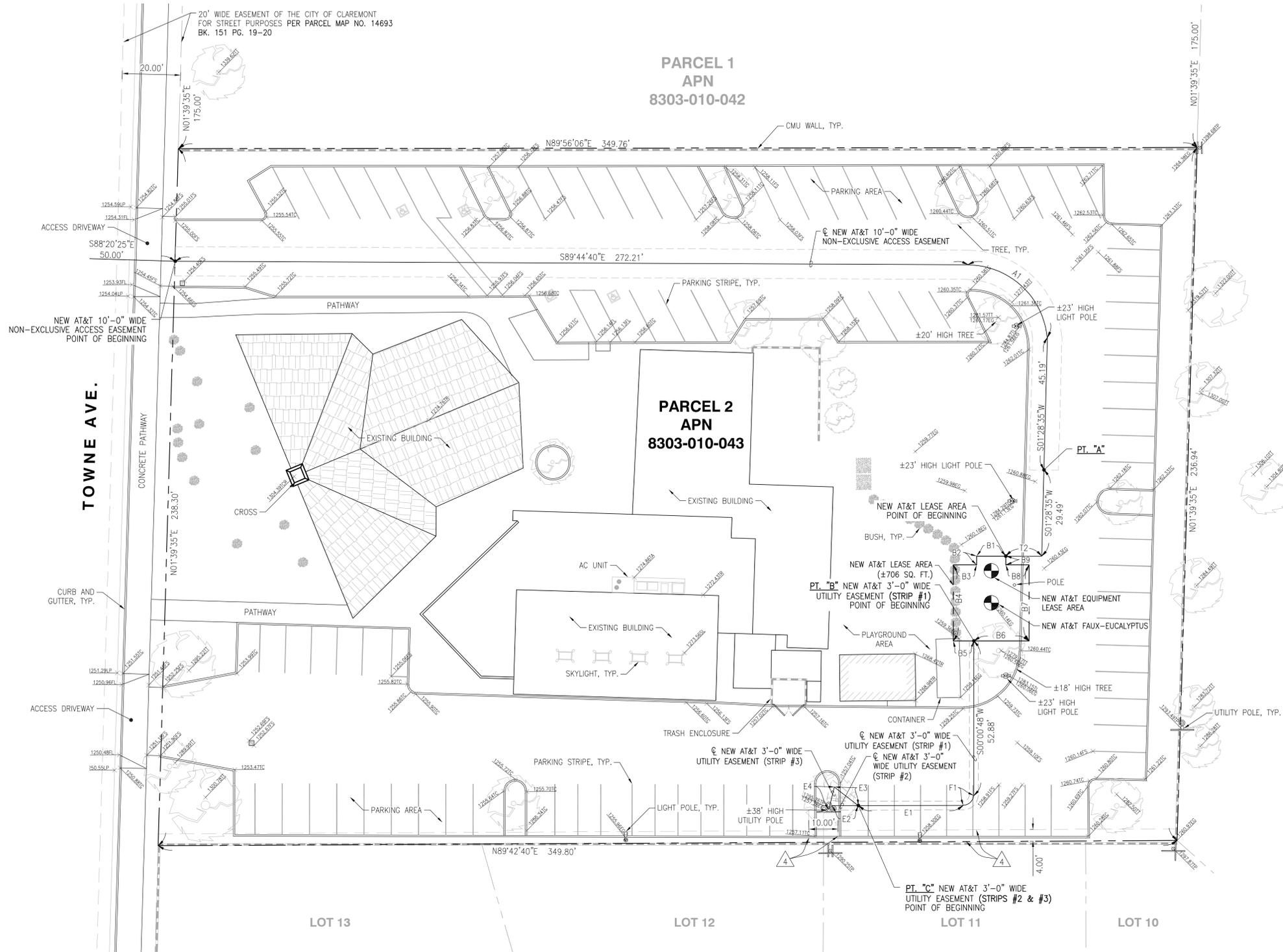
TIE LINE TABLE		
NO.	LENGTH	BEARING
T2	12.35'	N90°00'00"W

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 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

GRAPHIC SCALE: 1"=20'



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REV	DATE	DESCRIPTION
6	04/07/2025	REVISED LEGAL DESCRIPTION
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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-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.



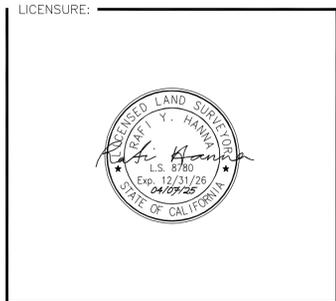
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tel: (858) 432-4112 / (858) 432-4257

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**



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

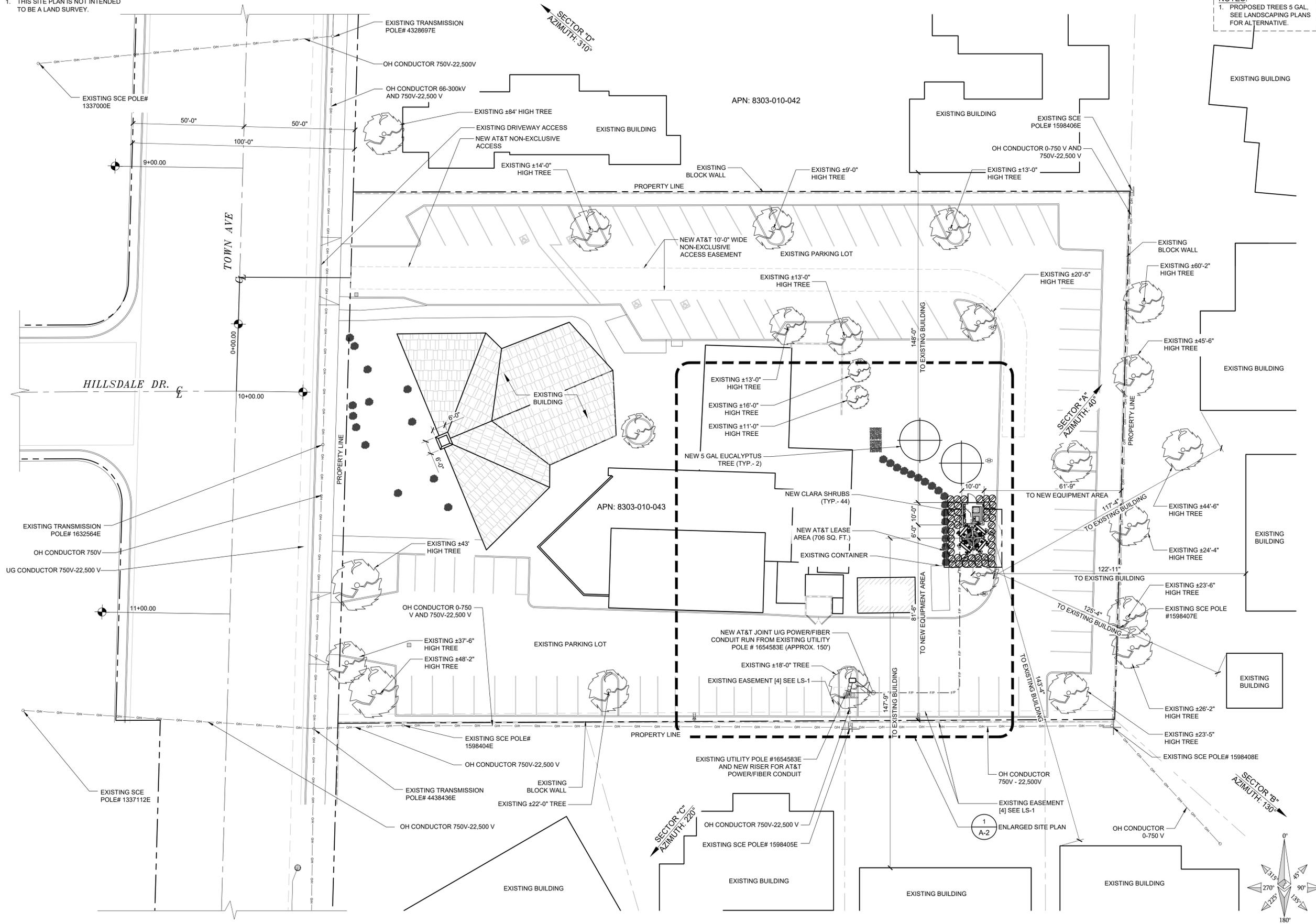
DRAWN BY: KF
CHECKED BY: RH

SHEET TITLE: **TOPOGRAPHIC SURVEY**

SHEET NUMBER: **LS-3**

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

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

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

SITE PLAN

SHEET NUMBER

A-1

EUKON AT&T_90CD_MONOPOLE_TEMPLATE_V2_11-18-22

SITE PLAN



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

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

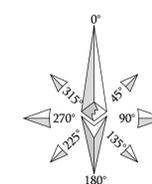
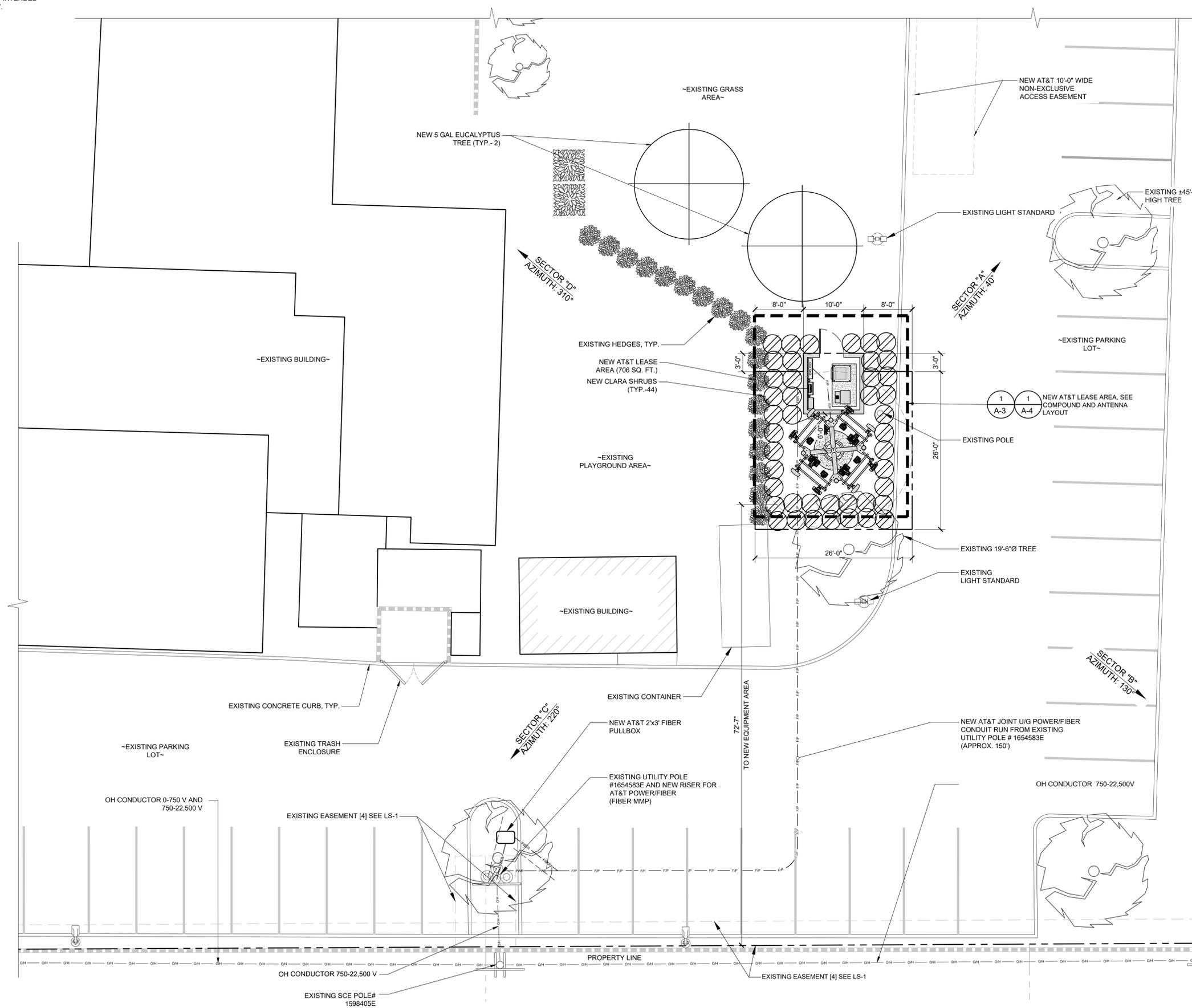
1700 N. TOWNE AVE.
CLAREMONT, CA 91711

SHEET TITLE

ENLARGED SITE PLAN

SHEET NUMBER

A-1.1



EUKON AT&T_90CD_MONOPOLE_TEMPLATE_V2_11-18-22

ENLARGED SITE PLAN



1452 EDINGER AVE.
3RD FLOOR
TUSTIN, CA 92780



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IRVINE, CA 92618
TEL: (949) 553-8566
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NOT FOR
CONSTRUCTION

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TO ALTER THIS DOCUMENT.

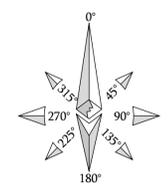
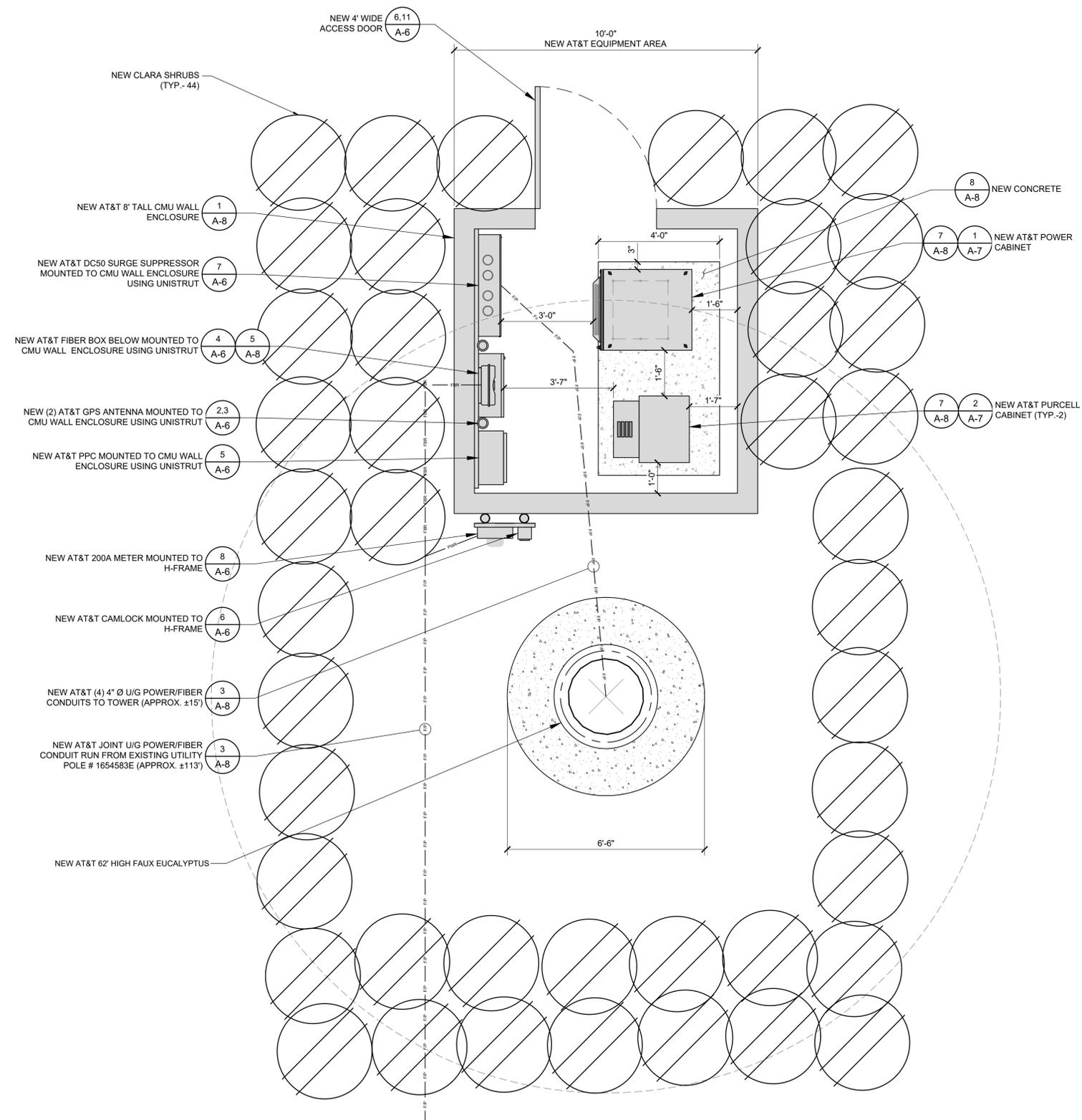
DRAWN BY:	UTILITIES CHECKED BY:	A&E CHECKED BY:
DW/AS	GD	RB

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		
EQUIPMENT PLAN		
SHEET NUMBER		
A-2		

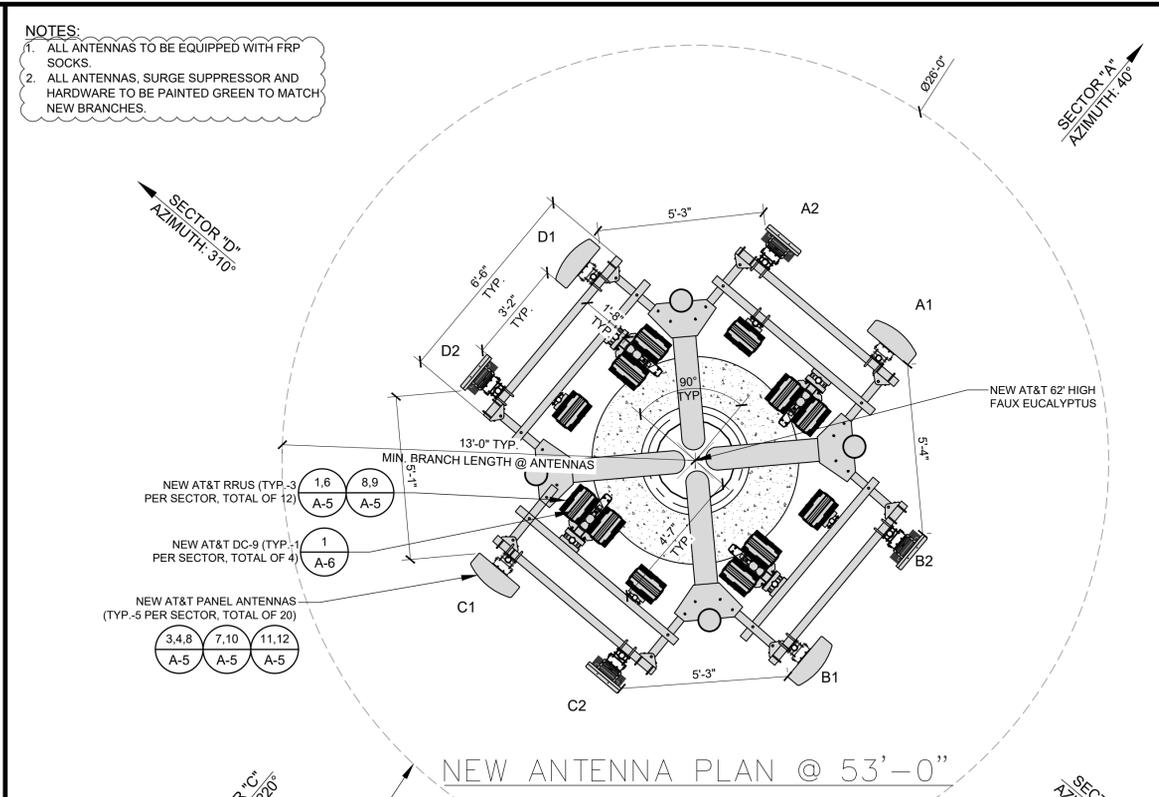
NOTES:
1. PROPOSED TREES 5 GAL.
SEE LANDSCAPING PLANS
FOR ALTERNATIVE.



EUKON AT&T_90CD_MONOPOLE_TEMPLATE_V2_11-18-22

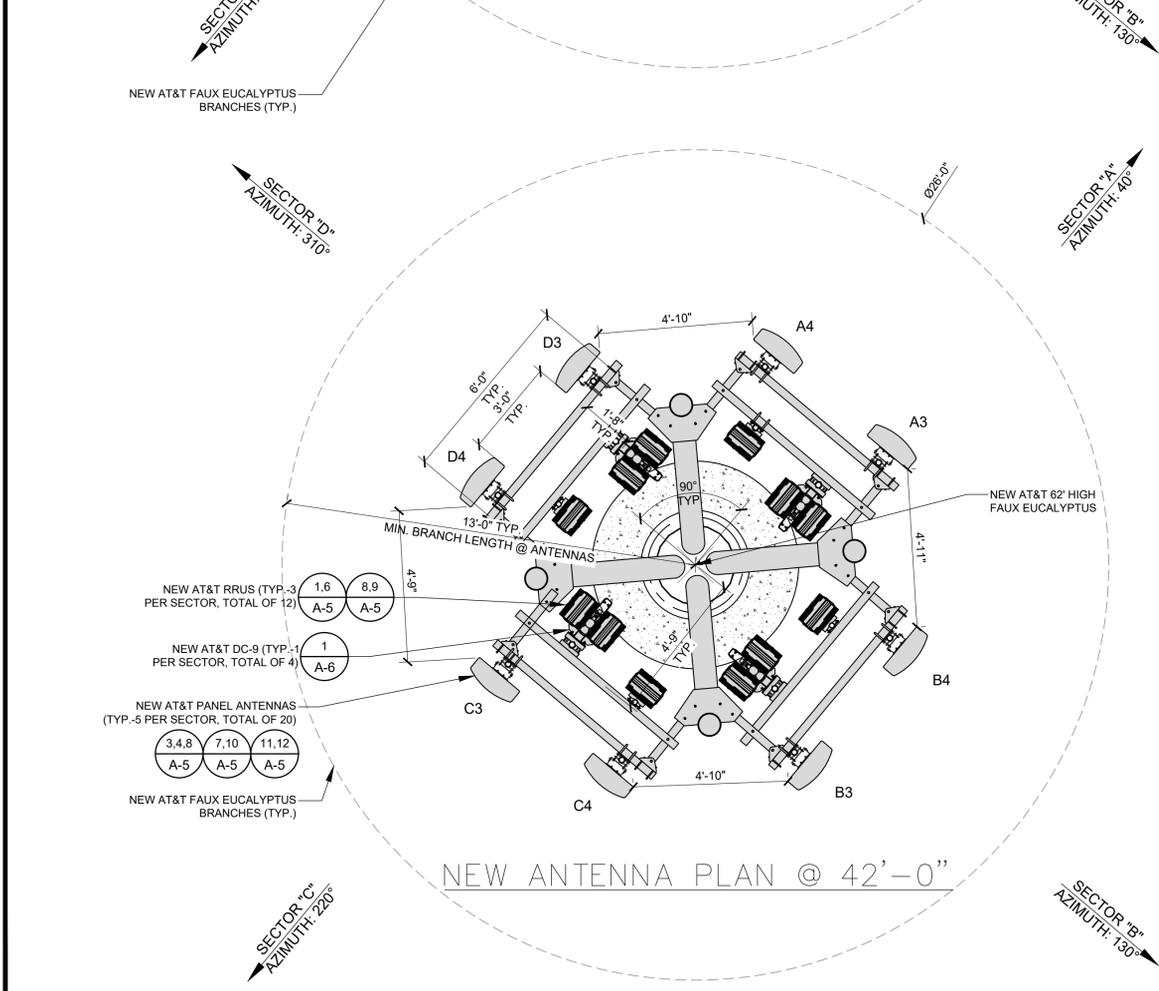
ANTENNA SCHEDULE (VERIFY WITH CURRENT RFDS)								
SECTOR	TECHNOLOGY	ANTENNA MODEL	ANTENNA SIZE	ANTENNA AZIMUTH	RAD CENTER	TRANSMISSION CABLE		
						LENGTH	QTY.	
ALPHA SECTOR	A1	LTE	TPA-45R-KU8AA-K ERICSSON AIR6419 B77D	8'-0"	40°	53'-0"	±75'	1 FIBER + 3 DC POWER
	A2	C-BAND	TPA-45R-KU8AA-K ERICSSON AIR6419 B77G	2'-7"	40°	55'-9"		
	A3	LTE	TPA-45R-KU8AA-K ERICSSON AIR6419 B77G	8'-0"	40°	42'-0"		
	A4	LTE	TPA-45R-KU8AA-K ERICSSON AIR6419 B77G	8'-0"	40°	42'-0"		
BETA SECTOR	B1	C-BAND	TPA-45R-KU8AA-K ERICSSON AIR6419 B77D	2'-7"	130°	55'-9"	±75'	1 FIBER + 3 DC POWER
	B2	LTE	TPA-45R-KU8AA-K ERICSSON AIR6419 B77G	8'-0"	130°	53'-0"		
	B3	LTE	TPA-45R-KU8AA-K ERICSSON AIR6419 B77G	8'-0"	130°	42'-0"		
	B4	LTE	TPA-45R-KU8AA-K ERICSSON AIR6419 B77G	8'-0"	130°	42'-0"		
GAMMA SECTOR	C1	LTE	TPA-45R-KU8AA-K ERICSSON AIR6419 B77D	8'-0"	220°	53'-0"	±75'	1 FIBER + 3 DC POWER
	C2	C-BAND	TPA-45R-KU8AA-K ERICSSON AIR6419 B77G	2'-7"	220°	55'-9"		
	C3	LTE	TPA-45R-KU8AA-K ERICSSON AIR6419 B77G	8'-0"	220°	42'-0"		
	C4	LTE	TPA-45R-KU8AA-K ERICSSON AIR6419 B77G	8'-0"	220°	42'-0"		
DELTA SECTOR	D1	C-BAND	TPA-45R-KU8AA-K ERICSSON AIR6419 B77D	2'-7"	310°	55'-9"	±75'	1 FIBER + 3 DC POWER
	D2	LTE	TPA-45R-KU8AA-K ERICSSON AIR6419 B77G	8'-0"	310°	53'-0"		
	D3	LTE	TPA-45R-KU8AA-K ERICSSON AIR6419 B77G	8'-0"	310°	42'-0"		
	D4	LTE	TPA-45R-KU8AA-K ERICSSON AIR6419 B77G	8'-0"	310°	42'-0"		

- NOTES TO CONTRACTOR
- CONTRACTOR IS TO REFER TO AT&T'S MOST CURRENT RADIO FREQUENCY DATA SHEET (RFDS) PRIOR TO CONSTRUCTION.
 - CABLE LENGTHS WERE DETERMINED BASED ON A VISUAL INSPECTION DURING SITE WALK. CONTRACTOR TO VERIFY ACTUAL LENGTH DURING PRE-CONSTRUCTION WALK.
 - CONTRACTOR TO USE ROSENBERGER FIBER LINE HANGER COMPONENTS (OR ENGINEER APPROVED EQUAL).
 - CONTRACTOR TO USE CABLES SPECIFIED (OR ENGINEER APPROVED EQUAL).



REMOTE RADIO UNIT SCHEDULE						
SECTOR	RRU TYPE	RRU LOCATION (DISTANCE FROM ANTENNA)	MINIMUM CLEARANCES			
			ABOVE	BELOW	SIDES	
ALPHA SECTOR	A1	ERICSSON RRU 4490 B5/B12A	±10'	16"	8"	0"
	A1	ERICSSON RRU 4890 B25/B66	±10'	16"	8"	0"
	A2	-	-	-	-	-
	A3	-	-	-	-	-
BETA SECTOR	B1	-	-	-	-	-
	B2	ERICSSON RRU 4490 B5/B12A	±10'	16"	8"	0"
	B2	ERICSSON RRU 4890 B25/B66	±10'	16"	8"	0"
	B3	-	-	-	-	-
GAMMA SECTOR	C1	ERICSSON RRU 4490 B5/B12A	±10'	16"	8"	0"
	C1	ERICSSON RRU 4890 B25/B66	±10'	16"	8"	0"
	C2	-	-	-	-	-
	C3	ERICSSON RRU 4490 B5/B12A	±10'	16"	8"	0"
DELTA SECTOR	D1	-	-	-	-	-
	D2	ERICSSON RRU 4490 B5/B12A	±10'	16"	8"	0"
	D2	ERICSSON RRU 4890 B25/B66	±10'	16"	8"	0"
	D3	-	-	-	-	-
D4	-	-	-	-	-	
D4	ERICSSON RRU 4490 B5/B12A	±10'	16"	8"	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



1452 EDINGER AVE.
3RD FLOOR
TUSTIN, CA 92780



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

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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	

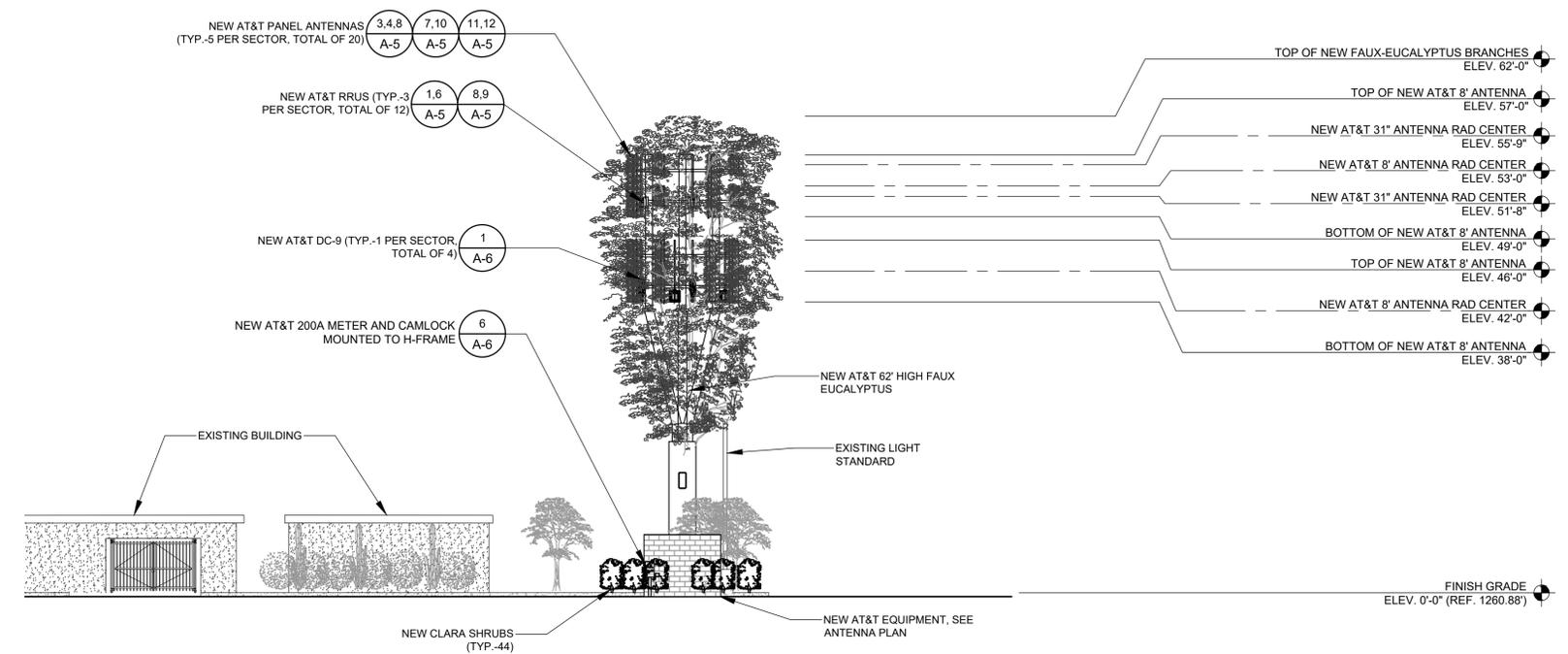
SHEET TITLE
**ANTENNA PLAN AND
RRU SCHEDULE**

SHEET NUMBER
A-3

EUKON AT&T_900CD_MONOPOLE_TEMPLATE_V2_11-18-22

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 SOUTH ELEVATION

SCALE 3/32"=1'-0" 2



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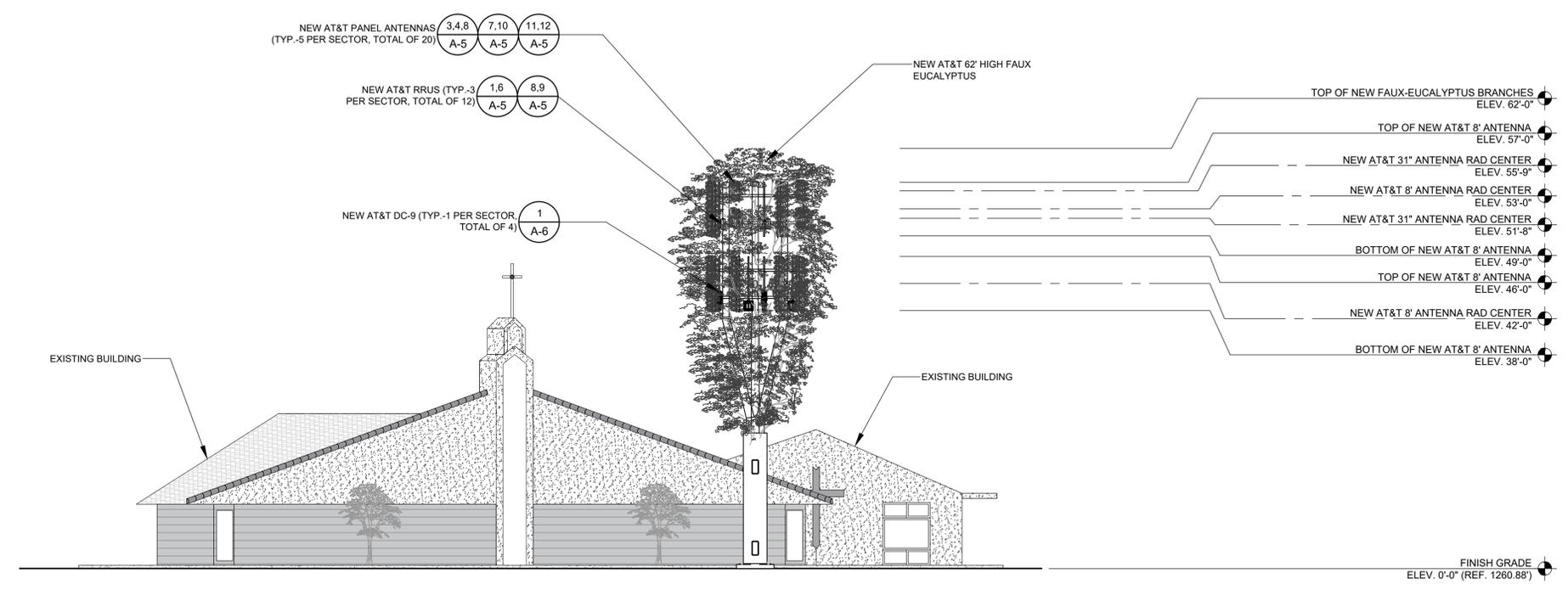
CONSTRUCTION DRAWINGS

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0	03/12/24	100% CONSTRUCTION DRAWINGS

PROJECT INFORMATION
 CLL05463
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SHEET TITLE
 NEW WEST AND SOUTH ELEVATIONS

SHEET NUMBER
 A-4.1



NEW WEST ELEVATION

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

EUKON AT&T_90CD_MONOPOLE_TEMPLATE_V2_11-18-22



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SHEET TITLE

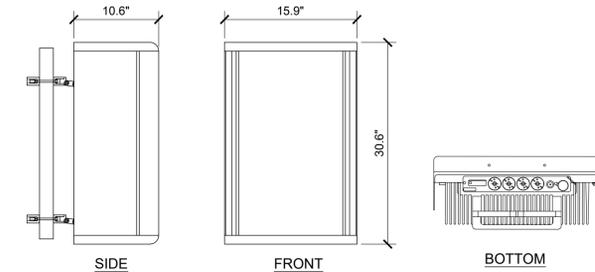
EQUIPMENT DETAILS

SHEET NUMBER

A-5

ERICSSON - AIR6449 N77D

DIMENSIONS (LxWxD): 31 x 15.9 x 10.6 in
NET WEIGHT (WITHOUT MOUNTING): 83.8 lbs

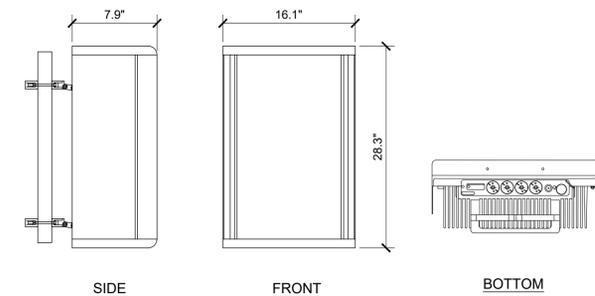


ANTENNA SPECS

SCALE NONE 4

ERICSSON - AIR6419 B77G

DIMENSIONS (LxWxD): 28.3 x 16.1 x 7.9 in
NET WEIGHT (WITHOUT MOUNTING): 66.1 lbs



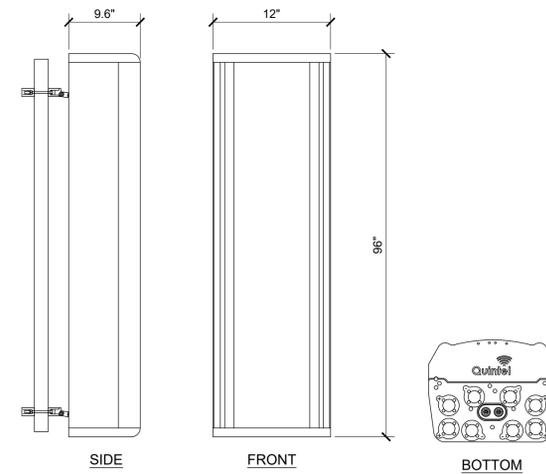
ANTENNA SPECS

SCALE NONE 3

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)

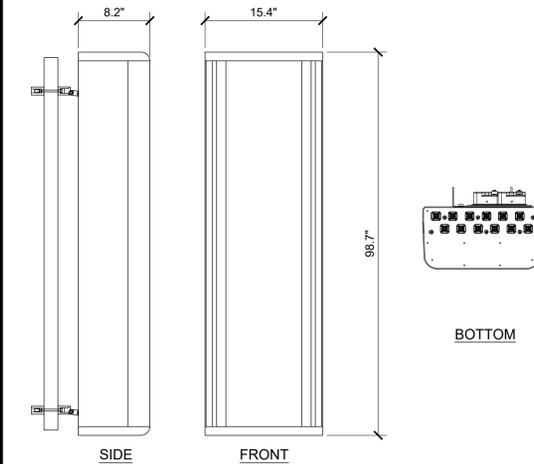


ANTENNA SPECS

SCALE NONE 7

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)

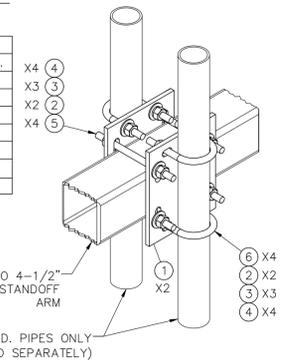


ANTENNA SPECS

SCALE NONE 10

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

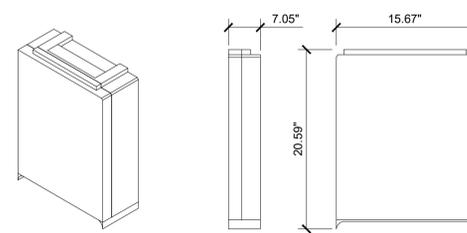


RADIO MOUNTING

SCALE NONE 2

ERICSSON RRUS-4890 B25/B66

DIMENSIONS (LxWxD): 20.59in x 15.67in x 7.05in
WEIGHT W/ MOUNTING: 92.3 lbs

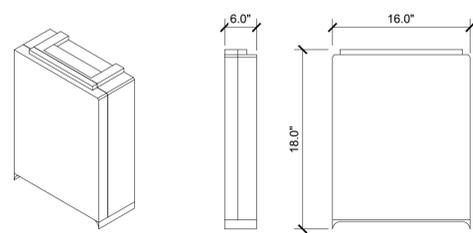


RADIO SPECS

SCALE NONE 6

ERICSSON RRUS-4494 B14/B29

DIMENSIONS (LxWxD): 18.0in x 16.0in x 6.0in
WEIGHT W/ MOUNTING: 57.3 lbs



RADIO SPECS

SCALE NONE 9

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



RADIO MOUNTING

SCALE NONE 1

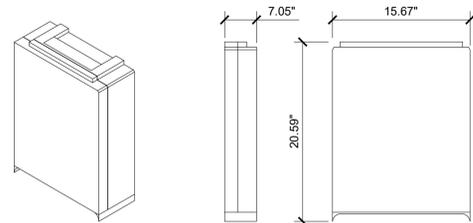
Product		
Product number	Profile	Minimum
Universal R28 Bracket CC138		
50K125594/2		
Mounting range		Maximum
	Circular tube	Ø25 mm (1 inch)
	Ø25 mm (1 inch)	Ø128 mm (5.1 inch)
	48° Angle	35 mm Opening (1.4 inch)
	90° Angle	35 mm Opening (1.4 inch)
	Square tube	35 x 35 mm (1.4 x 1.4 inch)
		35 x 35 mm (1.4 x 1.4 inch)
		35 x 35 mm (1.4 x 1.4 inch)
Mechanical specification	Brackets	High Tensile Steel, Galvanized
	Fasteners	Grade 8-8 Galvanized & A4
	Bush Separators	Composite (nylon)/PBT-PEEK-GF30
Recommended tools	H8 ISO, 11mm torque wrench (18-22 Nm)	
	H8 ISO, 16mm & 27mm torque wrench (15-25 Nm)	
Performance	Maximum wind speed	67 m/s (248 km/h, 149 mph)
	Survived wind speed	98 m/s (354 km/h, 298 mph)
	Maximum equipment weight	2 x 98 Kg (2 x 216.2 lbs)

RADIO MOUNTING

SCALE NONE 5

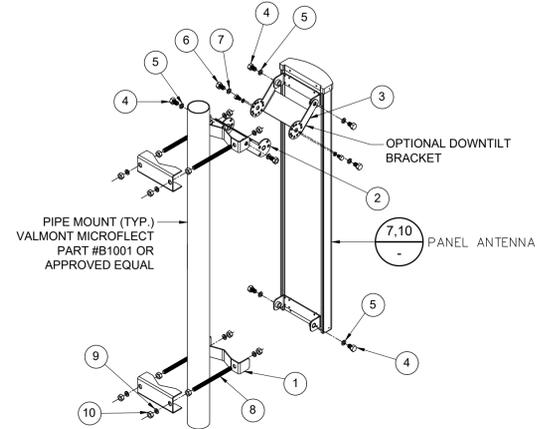
ERICSSON RRUS-4490 B5/B12

DIMENSIONS (LxWxD): 20.55in x 15.63in x 7in
WEIGHT W/ MOUNTING: 90 lbs



RADIO SPECS

SCALE NONE 8



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

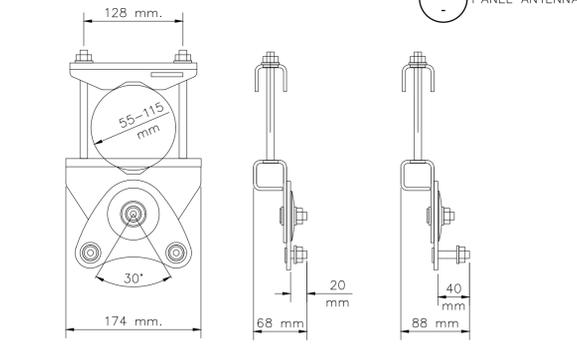
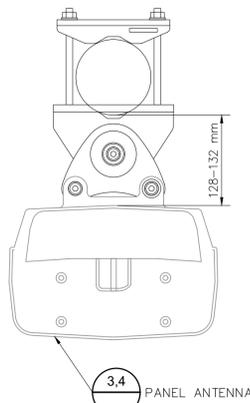
ITEM	QTY	DESCRIPTION
1	1	ADAPTER, POLE, LOWER
2	1	BRACKET, DOWNTILT, POLE
3	1	BRACKET, DOWNTILT, ANTENNA
4	6	1/2 x 1 HEX HEAD BOLT
5	6	1/2 SPLIT WASHER
6	2	5/16 x 1 HEX HEAD BOLT
7	2	5/16 SPLIT WASHER
8	4	1/2" THREADED ROD
9	8	1/2" SPLIT WASHER
10	12	1/2" NUT

ANTENNA MOUNTING

SCALE NONE 12

ERICSSON - AIR6449 N77 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.



ANTENNA MOUNTING

SCALE NONE 11

RAYCAP DC50-48-60-96-50F-CRD

CONNECTION TERMINAL (SUPPRESSION) METHOD: COMPRESSION LUG

CONNECTION TERMINAL (SUPPRESSION) HARDWIRED: COPPER: #14 TO #2 AWG ALUMINUM: #12 TO #2 AWG

FROM C CONTACT CONNECTION (TERMINAL BLOCK) HARDWIRED: #22 TO #12 AWG

OPERATING TEMPERATURE (C°): -40°C TO +100°C

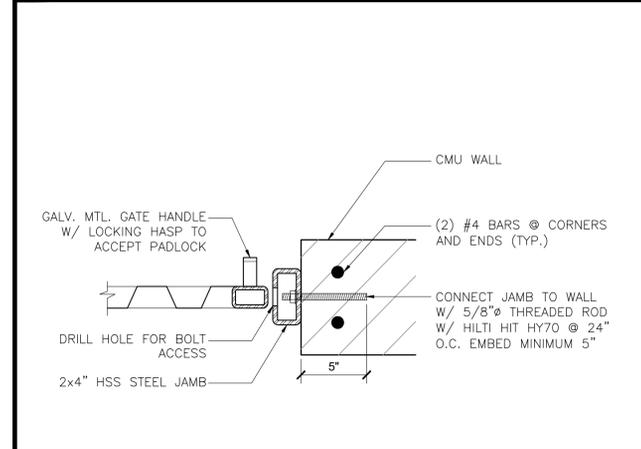
STORAGE TEMPERATURE (C°): -70°C TO +80°C

ENCLOSURE TYPE (OUTDOOR): NEMA 4 RATED

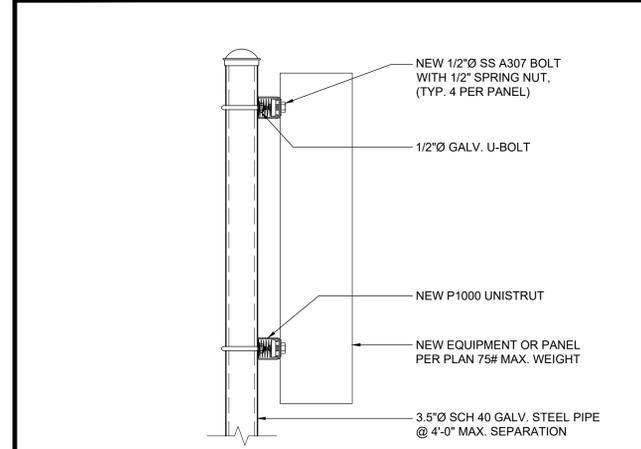
DIMENSIONS: 40.0"x52.24"x8.91"

WEIGHT: 165 lbs

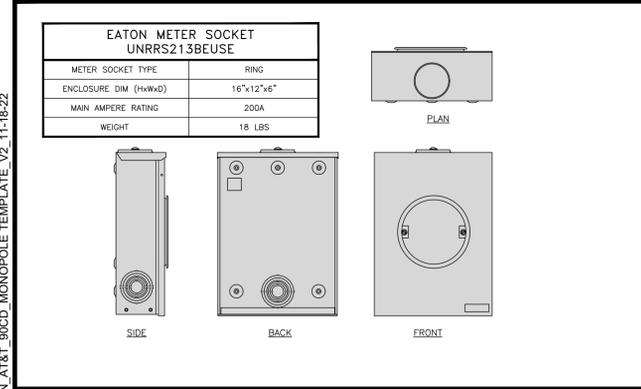
NOT USED SCALE NONE 11



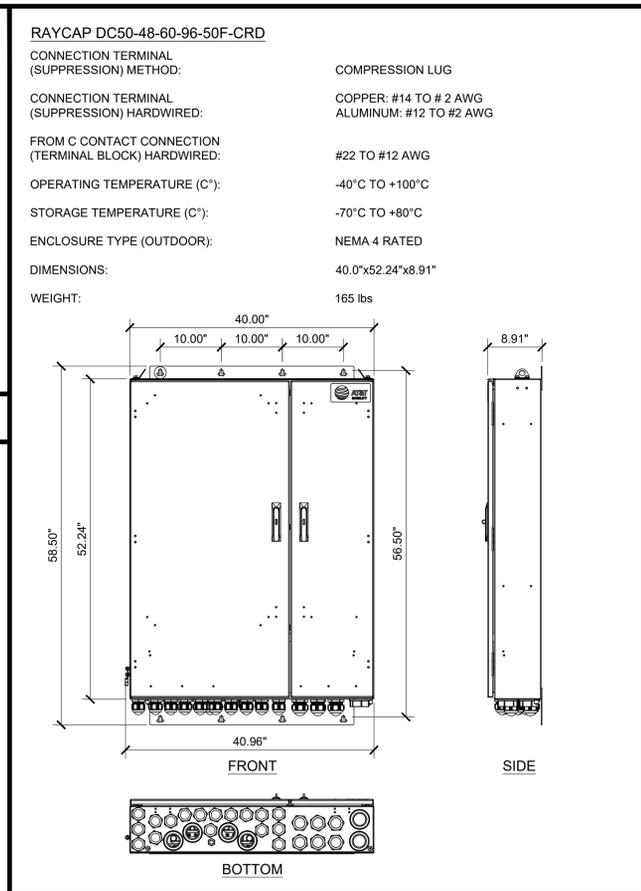
STEEL GATE FRAME TO CMU SCALE NONE 10



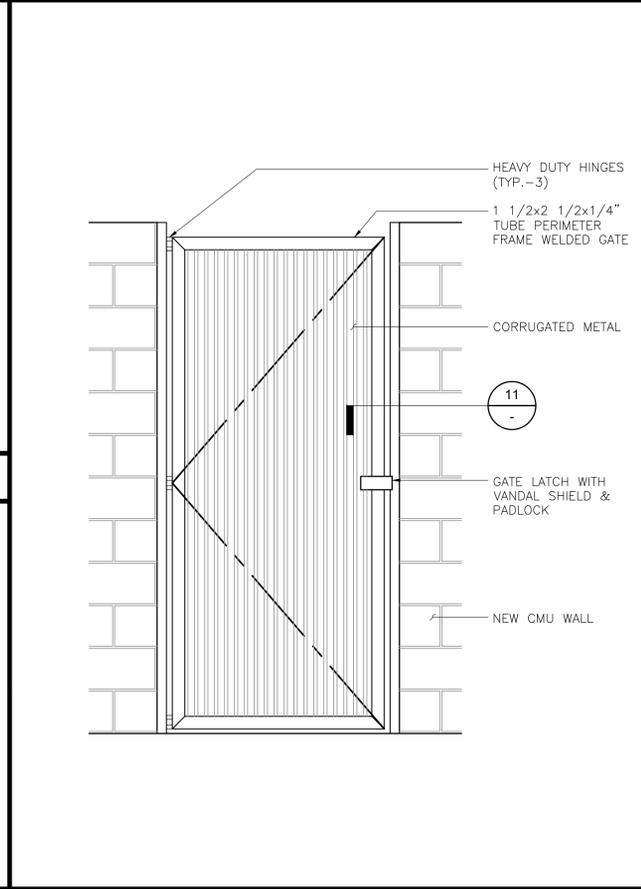
PANEL TO H-FRAME SCALE NONE 9



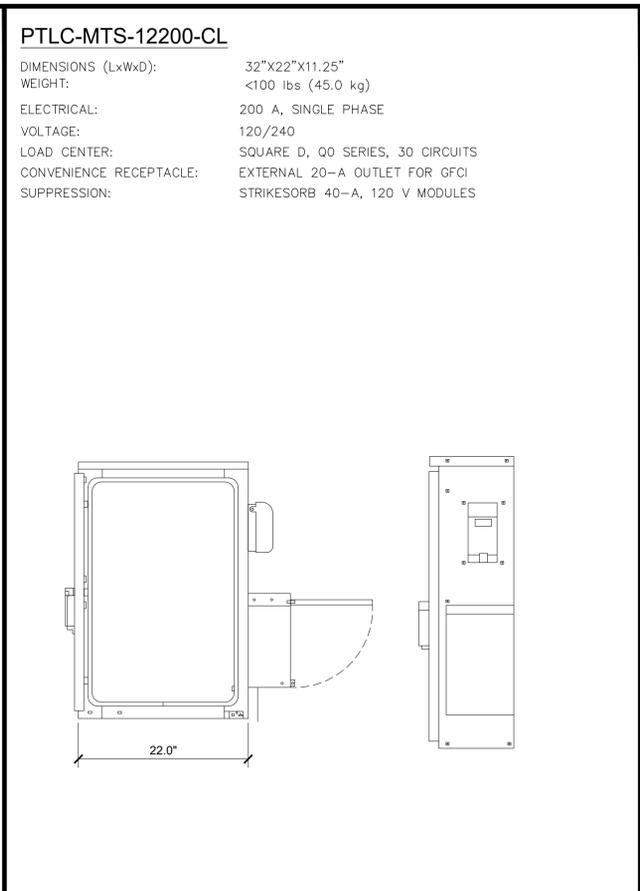
200A METER SPECS SCALE NONE 8



SURGE SUPPRESSOR SPEC SCALE NONE 7



STEEL GATE AT CMU WALL SCALE NONE 6

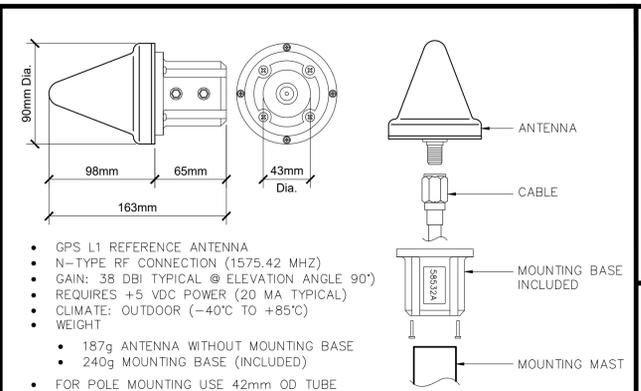


ELECTRICAL PANEL SPEC SCALE NONE 5

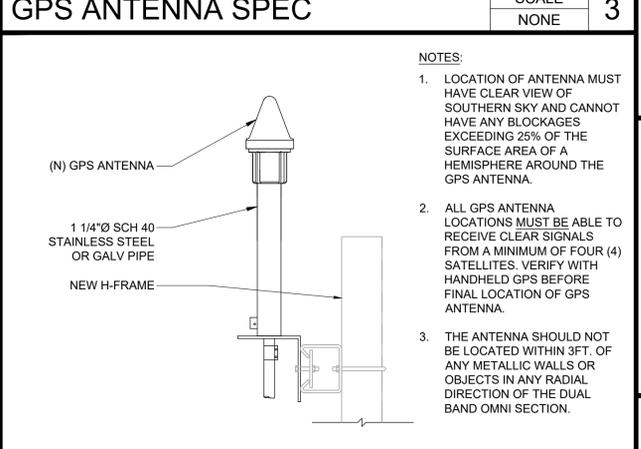
NOT USED SCALE NONE 5



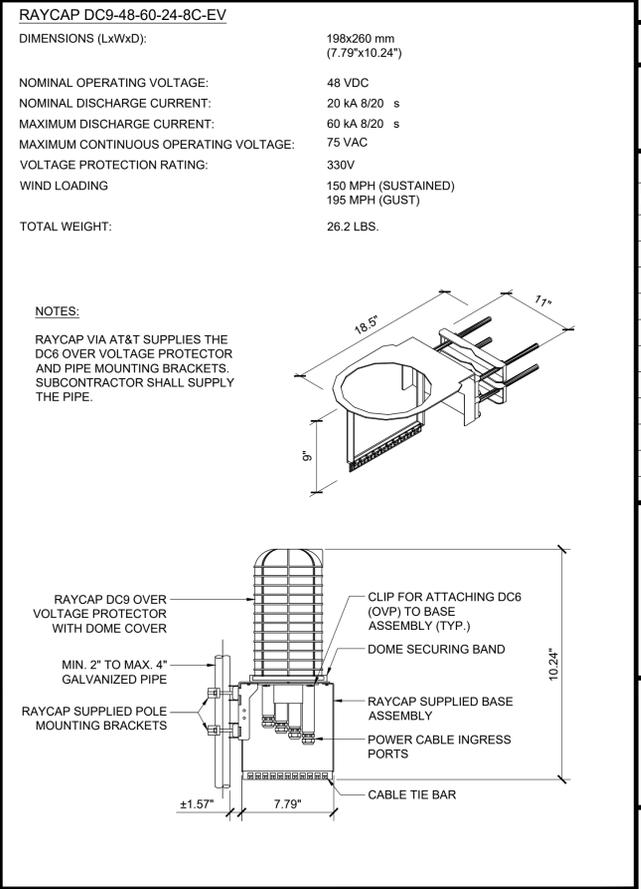
TELCO BOX DETAIL SCALE NONE 4



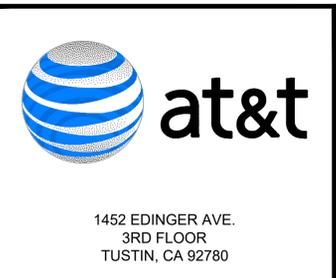
GPS ANTENNA SPEC SCALE NONE 3



GPS ANTENNA MOUNTING SCALE NONE 2



SURGE SUPPRESSOR SPEC SCALE NONE 1



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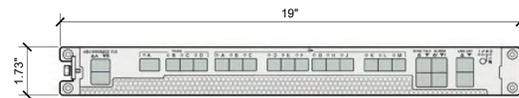
SHEET NUMBER

A-6

NOT USED

ERICSSON BASEBAND - 6651

DIMENSIONS (HxWxD): 1.73 x 19 x 15.1 in
WEIGHT: 17 lbs



BASEBAND UNIT SPECS

ERICSSON BASEBAND R503 XMU - BASEBAND AUXILIARY MULTIPLEXING UNIT

MECHANICAL SPECIFICATIONS:

DIMENSIONS: 1.22"H x 11"D x 13.8"W

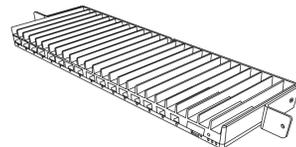
WEIGHT: 5 LBS

HEAT DISSIPATION: 50 WATTS

TECHNICAL SPECIFICATIONS:

PLATFORM FOR CPRI MULTIPLEXING AND DE-MULTIPLEXING

- 16x SFP+ PORTS
 - PLUGGABLE OPTICAL TRANSCEIVERS
 - DIRECT ATTACH CABLES
- 48V DC POWERING
- FANLESS
- TARGET RELEASE - L14B
- 2x (10Gbps -> 4x 2.5 Gbps)



BASEBAND UNIT SPECS

NOT USED

PURCELL CABINET - 66010D FLX21

MECHANICAL SPECIFICATIONS:

DIMENSIONS: 39.70"H x 25.27"W x 30"D
FINISH: ULTRA-LIGHT GRAY POLYESTER POWDER COAT FINISH
MOUNTING OPTIONS: 4" & 12" RISER PLINTHS, PAD, POLE, H-FRAME, WALL, UNISTRUT, STACKING

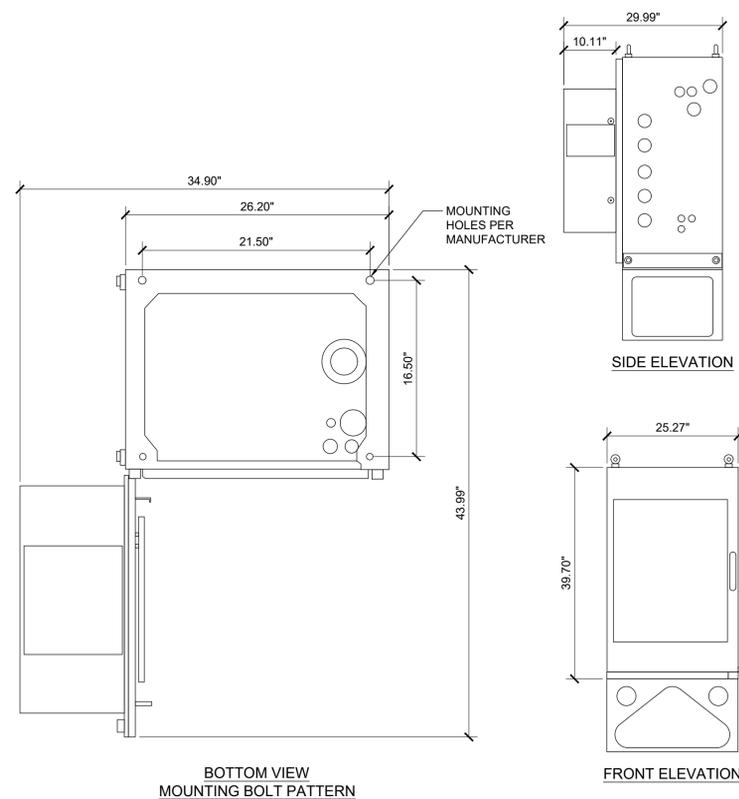
WEIGHT: 140 LBS EMPTY
250 LBS FULL

SAFETY: ENCLOSURE: UL508A

ENVIRONMENTAL: OPERATING TEMPERATURE: -40°F TO 115°F (-40°C TO 46°C) CONTINUOUS OPERATIONS

HUMIDITY: 0% TO 95% RELATIVE HUMIDITY, NON-CONDENSING

THERMAL SOLUTIONS: POWER CHAMBER: 1600 WATTS



DATA CABINET

VERTIV NETSURE - 512 DC POWER SYSTEM

DC POWER SYSTEM FEATURES:

NOMINAL SYSTEM VOLTAGE: -48 VDC or +24 VDC

CONTROL: MICROPROCESSOR (ACU+)

RATED OUTPUT CAPACITY - MAX CONFIGURATION SYSTEM: 525A @ -48V DC PLUS REDUNDANCY 400A @ +24V DC PLUS REDUNDANCY

RECTIFIER: 2000 WATTS (41.7A)

CONVERTER: 1200 WATTS (50A), -48V DC TO +24V DC

DISTRIBUTION PANEL TOP SECTION: WIRED FOR (16) +24V AND (13) -48V BULLET POSITIONS

BOTTOM SECTION: (30) -48V BULLET POSITIONS

ENVIRONMENTAL: OPERATING TEMPERATURE: -40°F TO 115°F (-40°C TO 46°C) CONTINUOUS OPERATIONS

HUMIDITY: 0% TO 95% RELATIVE HUMIDITY, NON-CONDENSING

THERMAL SOLUTIONS: POWER CHAMBER: 2500 WATT DOOR-MOUNTED HEAT EXCHANGER, 2 RU AVAILABLE SPACE FOR SURGE PROTECTION

BATTERY CHAMBER: FAN COOLED, FRESH AIR VENTILATION, HOLDS UP TO (3) BATTERY STRINGS

EQUIPMENT: GROUND BAR: 10 POSITIONS

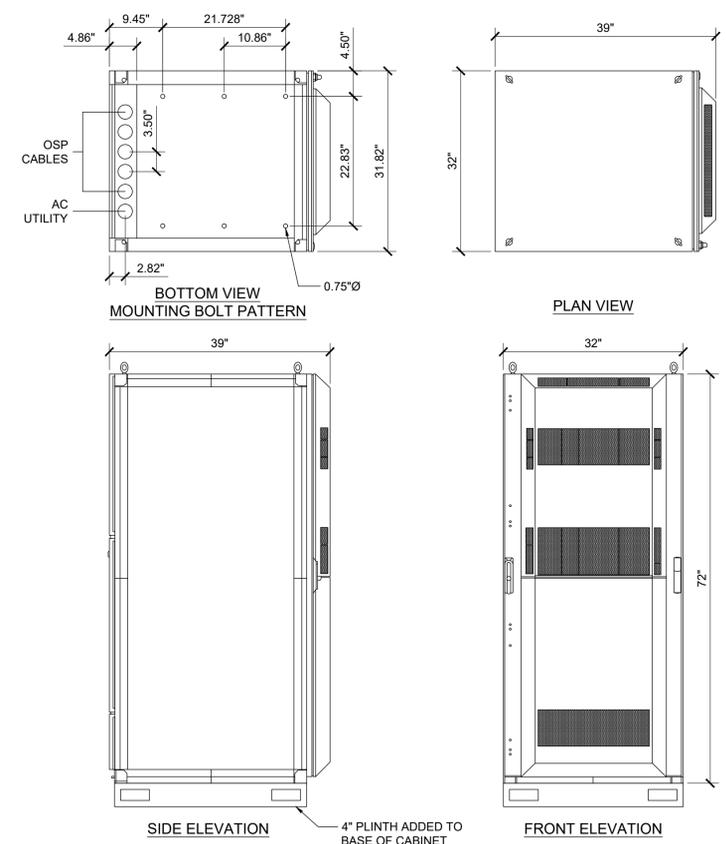
TERMINAL BLOCK: 12 POSITION PHOENIX ALARM BLOCK 32 POSITION PHOENIX ALARM BUNCHING BLOCK

SAFETY: DC POWER SYSTEM: UL 1801 LISTED (US & CANADA) NEBS LEVEL 3

ENCLOSURE: GR-487, UL 60950, AND SEISMIC ZONE 4 COMPLIANT

MECHANICAL SPECIFICATIONS: DIMENSIONS: 72"H x 32"W x 39"D

WEIGHT: 752 LBS.



POWER PLANT CABINET

NOT USED



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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 DETAILS

SHEET NUMBER

A-7



1452 EDINGER AVE.
3RD FLOOR
TUSTIN, CA 92780



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

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

CONSTRUCTION DRAWINGS

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REV	DATE	DESCRIPTION
A	04/26/24	90% CONSTRUCTION DRAWINGS
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0	03/12/24	100% CONSTRUCTION DRAWINGS

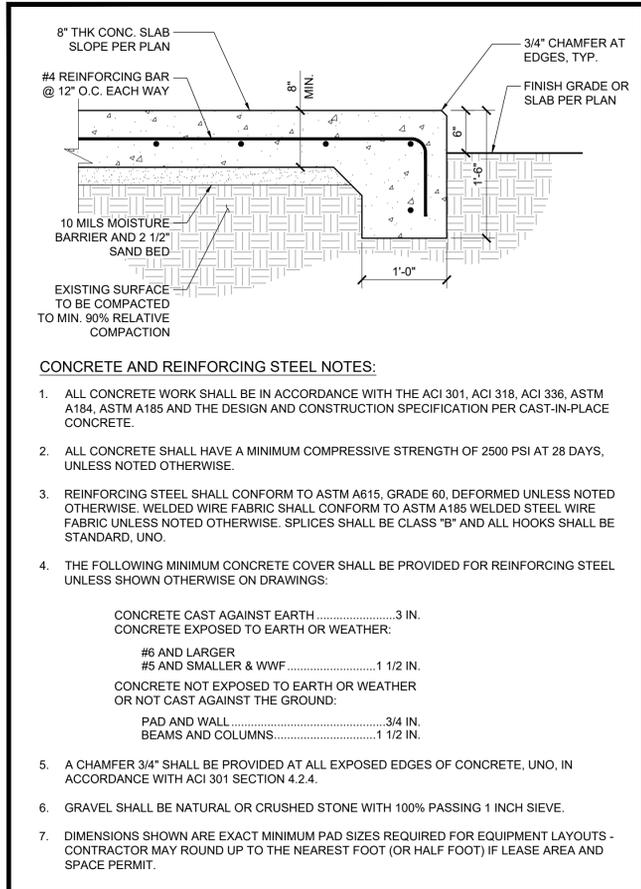
PROJECT INFORMATION

CLL05463
1700 N. TOWNE AVE.
CLAREMONT, CA 91711

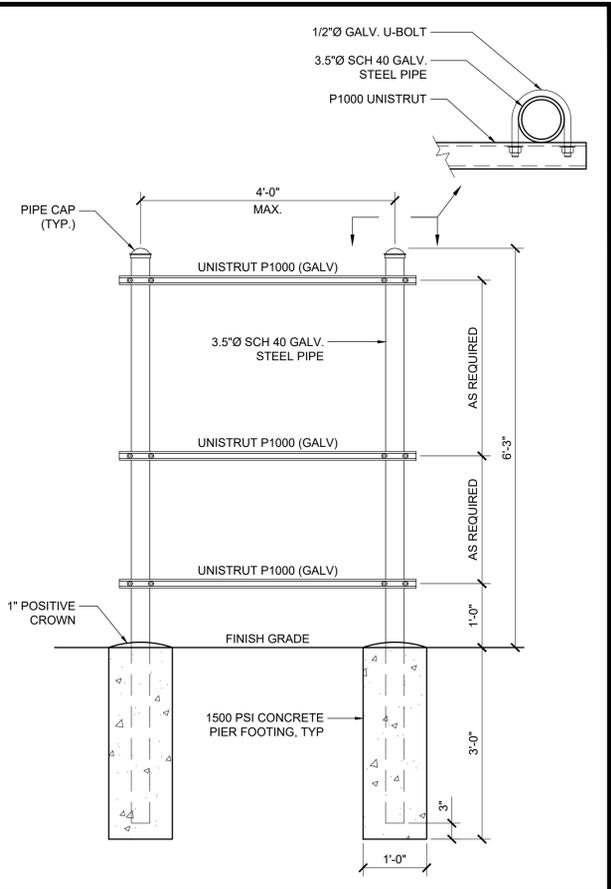
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SHEET NUMBER

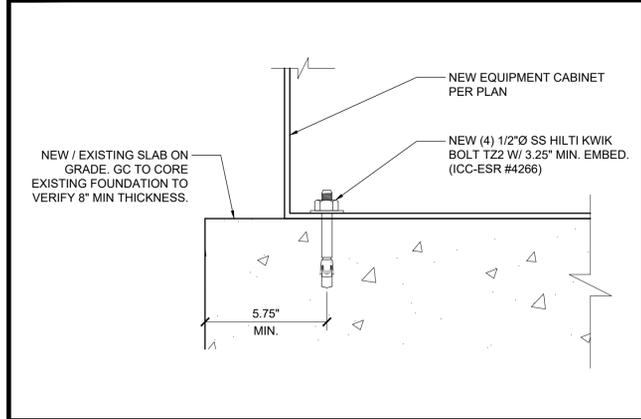
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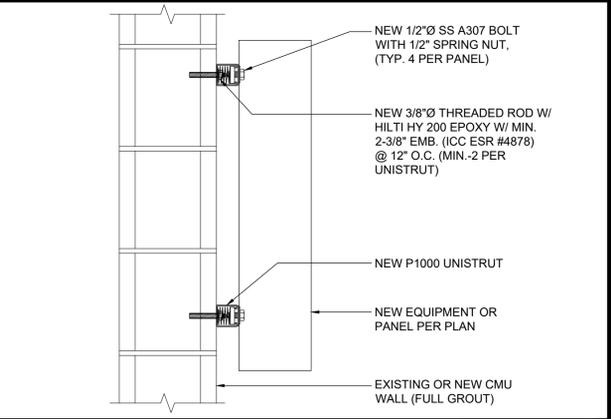
CONCRETE SLAB DETAIL SCALE NONE 8



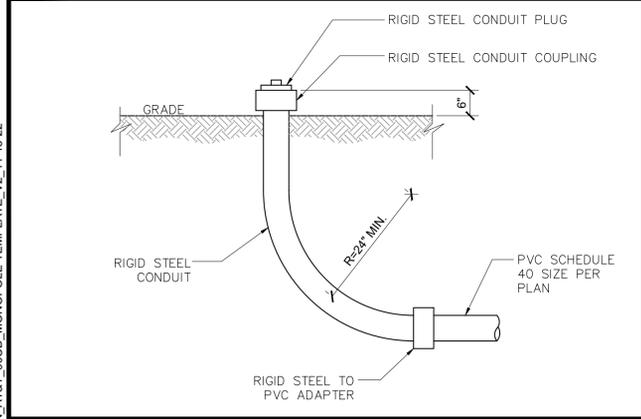
UTILITY H-FRAME SCALE NONE 5



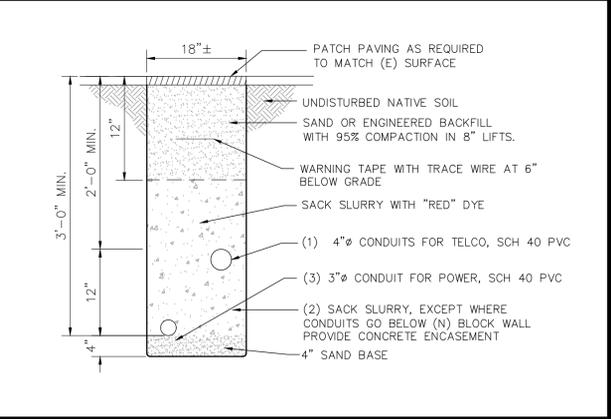
EQUIPMENT ANCHORAGE SCALE NONE 7



PANEL MOUNTING SCALE NONE 4



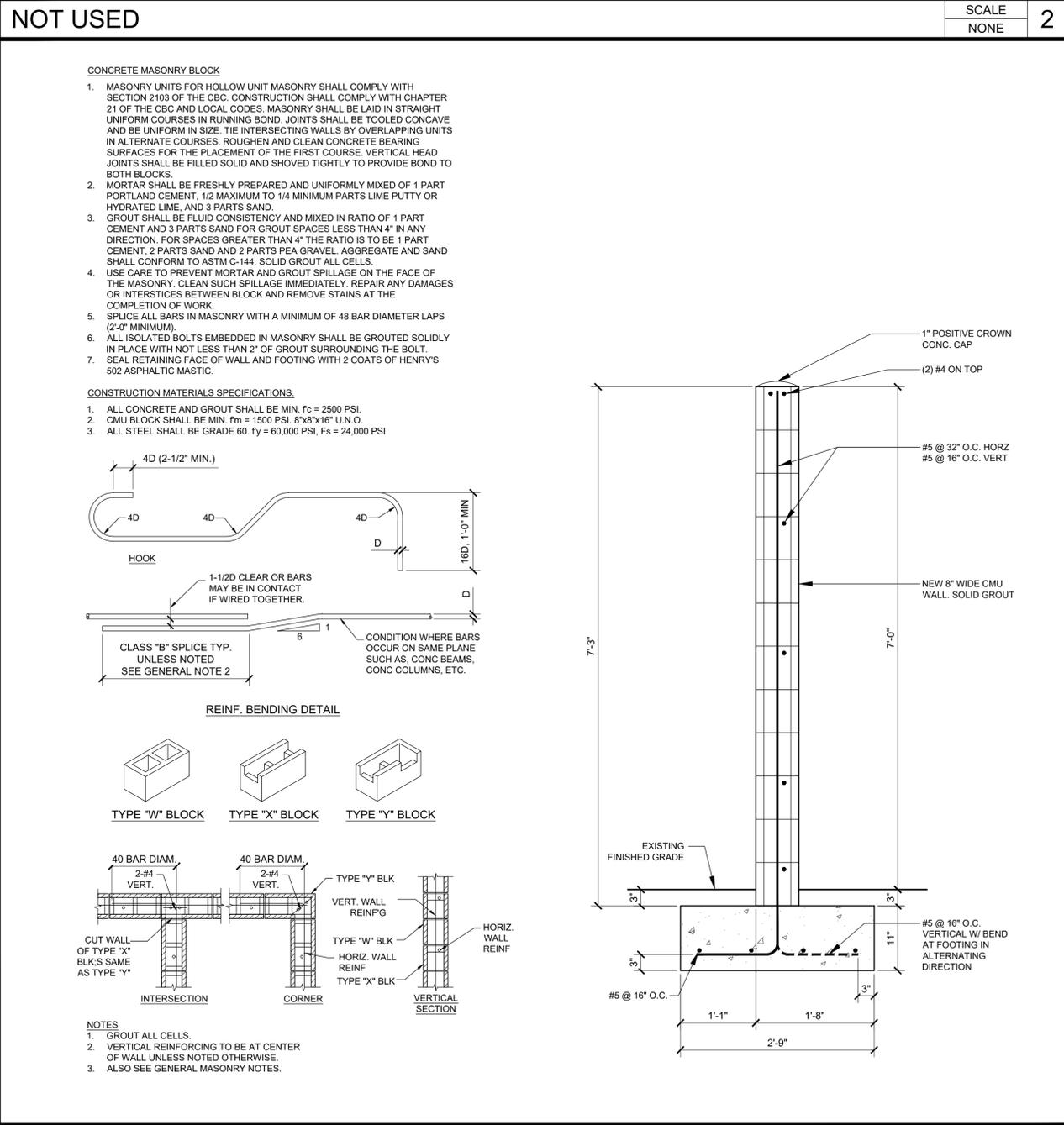
STUB-UP DETAIL SCALE NONE 6



UTILITY TRENCH SCALE NONE 3

NOT USED

SCALE NONE 2



CMU WALL DETAIL SCALE NONE 1

EUKON AT&T_90CD_MONOPOLE_TEMPLATE_V2_11-18-22



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0	03/12/24	100% CONSTRUCTION DRAWINGS

PROJECT INFORMATION

CLL05463

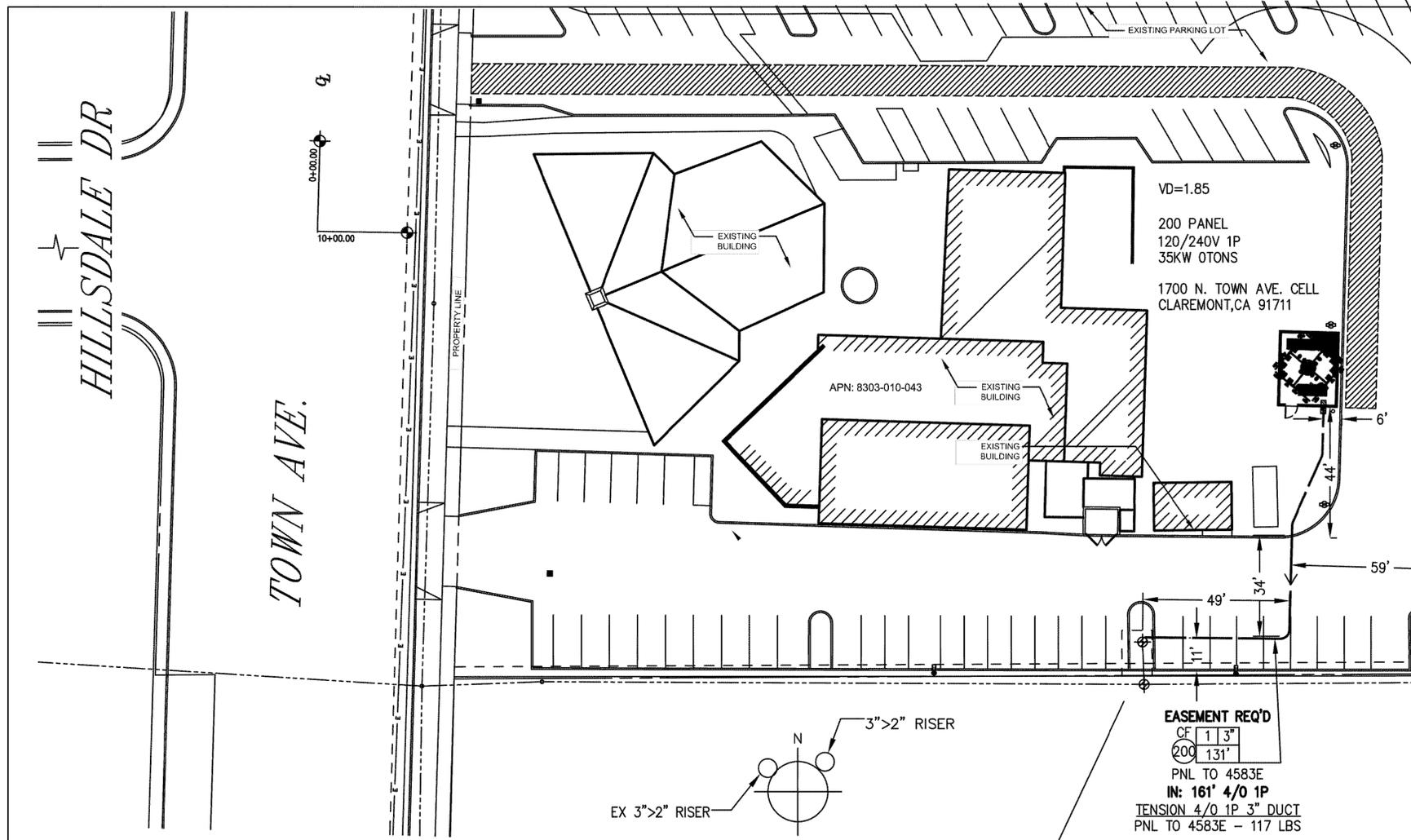
1700 N. TOWNE AVE.
CLAREMONT, CA 91711

SHEET TITLE

UTILITY DESIGN

SHEET NUMBER

UD-1



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"/>
UTILIQUEST 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**

3" > 2" RISER
EX 3" > 2" RISER

EASEMENT REQ'D
CF 1 3"
200 131'
PNL TO 4583E
IN: 161' 4/0 1P
TENSION 4/0 1P 3" DUCT
PNL TO 4583E - 117 LBS

RUN: 131'
RISER: 30'
TOTAL: 161'

1 TD2078262
EX: 1654583E POLE CLASS 2
45'
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

UNDERGROUND SERVICE ALERT
Contact USA
Dial 811 or 800-422-4133
www.digalert.org/contact
For Underground Locating
Two Working Days Before You Dig

T.L.M. DATA: 1654583E

SIZE	KVA	CUST	% LOAD
EXIST. 100	48.9	1	48.9%
PROP. 100	90.1	2	90.1%

VOLTAGE DROP: 1.85
FLICKER FACTOR: -
PRI. CIRCUIT: FORBES 12KV

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 63055
TYPE	DATE	APPROVED BY	CHECKED BY
Southern California Edison Company			
SHEET 2 of 2			DESIGN\DRWG NO. 1583101_0.01

EUKON AT&T_90CD_MONOPOLE_TEMPLATE_V2_11-18-22
FILE NAME: 1583101_0.01.DWG SAVE DATE: 1/23/2023 12:29 PM SAVED BY: QUINONEZ
D16: Rev. 05/28/20
D27: REV. 12/10/21



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

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REV	DATE	DESCRIPTION
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B	08/29/24	JX COMMENTS
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PROJECT INFORMATION

CLL05463

1700 N. TOWNE AVE.
CLAREMONT, CA 91711

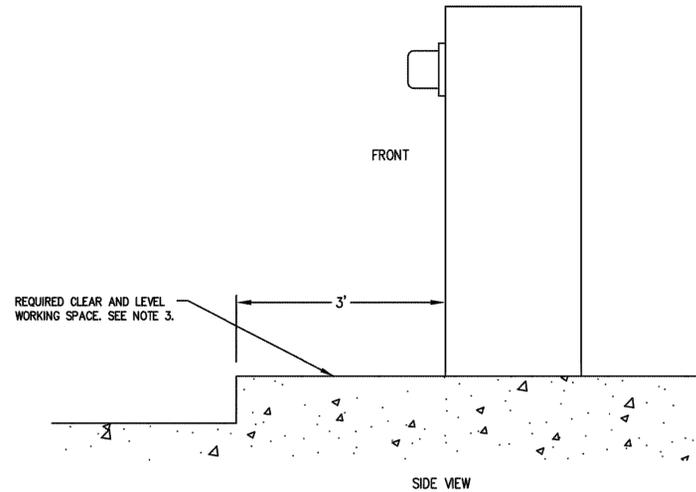
SHEET TITLE

UTILITY DESIGN

SHEET NUMBER

UD-2

PANEL CLEARANCE
UNDERGROUND SERVICE CONNECTIONS 0-600 VOLTS
SEE ESR 3-16



NOTES:

- A MINIMUM OF THREE (3) FEET OF CLEAR, LEVEL WORK SPACE IS REQUIRED IN FRONT OF ALL TERMINATION, METERING, AND SERVICE EQUIPMENT.
- SEE ESR-5 FOR METER-MOUNTING HEIGHT REQUIREMENTS. METER MOUNTING HEIGHT WILL BE MEASURED FROM THE STANDING AND WORKING SPACE TO THE CENTERLINE OF THE METERS.
- WHEN SERVICE EQUIPMENT IS INSTALLED ON AN ELEVATED PORTION OF THE FLOOR/GROUND, OR HOUSEKEEPING PAD, THE PAD SHALL BE FLUSH WITH AND EXTEND A MINIMUM OF THREE (3) FEET. THIS IS MEASURED FROM THE FRONT OF THE SERVICE EQUIPMENT OR THE OUTER DOOR(S) OF THE SWITCHBOARD NEMA 3R ENCLOSURE WHEN INSTALLED. IN NO CASE SHALL THE MAXIMUM METER HEIGHT OF SIX (6) FEET THREE (3) INCHES BE EXCEEDED.
- TO MAINTAIN A SAFE, CLEAR, AND LEVEL WORKING AREA IN FRONT OF NEW OR EXISTING METER AND SERVICE EQUIPMENT, A CONCRETE SLAB OR OTHER SUITABLE PERMANENT HARD SURFACE, ACCEPTABLE TO THE COMPANY, MUST BE USED.
- FOR SWITCHBOARDS ABOVE 600V, FIVE-FOOT MINIMUM OF CLEAR AND LEVEL STANDING AND WORKING SPACE IS REQUIRED IN THE FRONT, REAR, AND SIDE OF ANY SECTION WHERE SUCH PART SUPPORTS OR PROVIDES ACCESS TO METERING, TESTING EQUIPMENT, OR SERVICE CABLE TERMINATION SECTIONS.

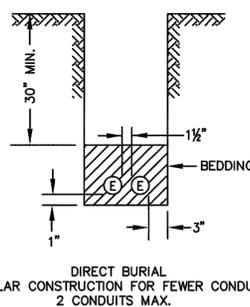
16.12 PROTECTIVE BARRIERS FOR SERVICE EQUIPMENT

BARRIER POSTS ARE USED TO PROTECT THE METER AND SERVICE EQUIPMENT, AS WELL AS PERSONNEL, FROM VEHICULAR CONTACT, AND TO PROHIBIT ENCROACHMENT INTO THE WORKING SPACE. (FOR EXAMPLE: LOADING ZONES, DRIVEWAYS, CONGESTED AREAS, OFF STREET PARKING, AND SO ON). THE CUSTOMER SHALL PROVIDE AND INSTALL "NON-REMOVABLE" BARRIERS TO PROVIDE THE PROPER SAFE WORKING CLEARANCES WHERE THE WORKSPACE IS EXPOSED TO VEHICULAR OR OTHER HAZARDOUS CONDITIONS. METERS WILL NOT BE SET UNTIL THE BARRIERS HAVE BEEN INSTALLED.

CONDUIT RADIUS REQUIREMENTS:

- A: The minimum radius for bends are:
36" for conduits 3" in diameter or smaller
48" for conduits 4" and 5" in diameter
60" for 6" diameter conduit
- B: The minimum radius for sweeps are:
36" for conduits 3" in diameter or smaller
12'-6" for conduits 4" in diameter and larger,
unless otherwise noted.

TYPICAL CONDUIT BANK SECTION
SEE UGS CD 120



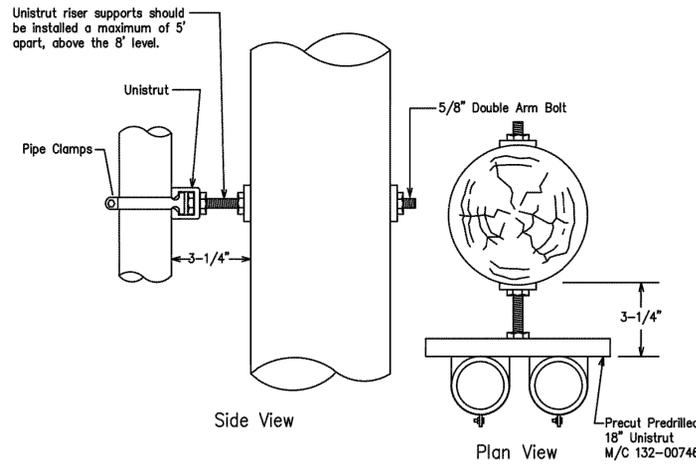
WARNING
THE EXCAVATOR MUST TAKE ALL STEPS NECESSARY TO AVOID CONTACT WITH UNDERGROUND FACILITIES WHICH MAY RESULT IN INJURY TO PERSONS OR DAMAGE TO FACILITIES IN THE AREA. THE INDICATED LOCATIONS OF EDISON UNDERGROUND FACILITIES, AS PROVIDED, ARE BELIEVED TO BE ACCURATE. HOWEVER, THE FINAL DETERMINATION OF EXACT LOCATIONS AND THE COST OF REPAIR TO DAMAGED FACILITIES IS THE RESPONSIBILITY OF THE EXCAVATOR.

RUN NUMBER CALL-OUTS AS FOLLOWS:

- ① - (199) MAINLINE CONDUIT
- ② - (599) SERVICE CONDUIT
- ③ - (799) STREET LIGHT CONDUIT

D84: Rev. 10/26/20

RISER INSTALLATION USING UNISTRUT
SEE DUG CR 110.2



CONVENTIONAL RISER INSTALLATION
NOT TO SCALE

NOTE(S):

- All notes pertaining to Figure CR 110-1.1 (Sheet 1) construction on scope CR 110.1 also apply to risers supported by a unistrut.
- APPLICATION
The unistrut shown in Figure CR 110-5 (Sheet 3) is the preferred method where multiple risers are required.
- MATERIAL

TABLE CR 110-2: Unistrut Pipe Clamps

Conduit Size (in)	Material Code
1	622-04052
2	133-48248
2.5	133-48214
3	133-00025
4	133-00017
5	133-48008
6	132-00746

REF.: DUG CR 110.2
D38: REV. 02/16/11

SCE Inspection
Contact SCE 48 Hours in advance for a Pre-Construction meeting and/or inspection.
Email: NDPFCS@SCE.COM

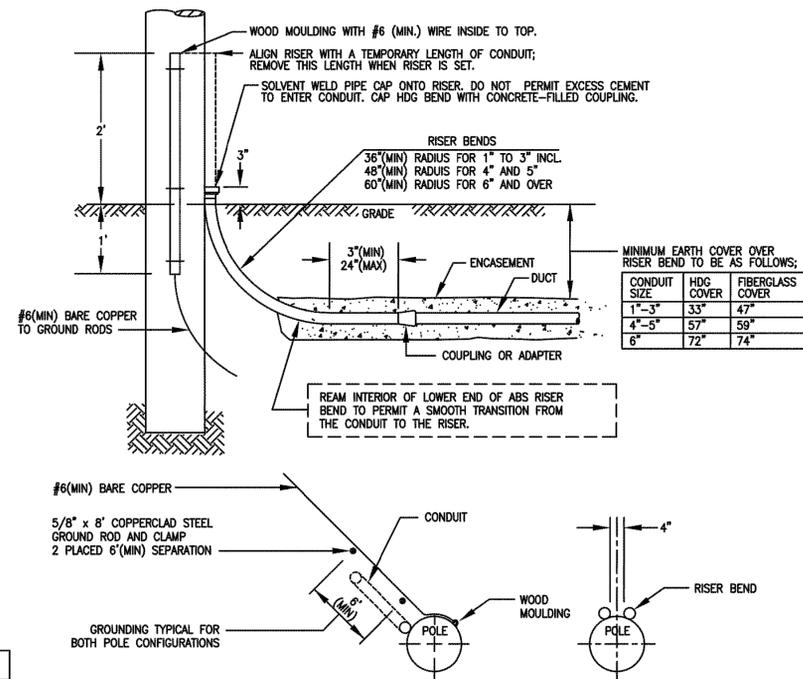
NOTE:
ALL ELECTRICAL DUCTS AND STRUCTURES WILL CONFORM TO GENERAL ORDER #128 (RULES FOR CONSTRUCTION OF UNDERGROUND ELECTRICAL SUPPLY AND COMMUNICATION PRESCRIBED BY THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA, JANUARY 2006).

CONNECTING TO EXISTING SCE STRUCTURES

- Per SCE requirements, customers are not allowed to enter, intercept or tie-in to existing SCE facilities; e.g. structures, equipment, multi-conduit runs/banks, or conductors. These facilities may be energized and the work will only be performed by SCE. Contact the appropriate SCE inspector to schedule an appointment. Customers may connect to an existing conduit stub without a SCE inspector present.
- Multi-conduit runs/banks are runs of conduit in close proximity to each other and other SCE facilities. A conduit stub is a single empty conduit stub that is not in close proximity to other SCE owned facilities. Refer to the work order map for details.
- Per CPUC/SCE's Rule 15 B.1.A and Rule 16 D.1.A., the customer will provide all necessary excavations (with the exception of excavation under pads and primary splice boxes), material (including conduit and structures) and encasement, to be utilized in the intercept/tie-in process.
- The customer must adhere to all applicable Cal-OSHA, local, city, state and federal regulations, (including, but not limited to, all necessary shoring and traffic control in place to perform the intercept/tie-in work by SCE's underground civil contractor(s)).
- Intercept/tie-in work must be coordinated with SCE's civil contractors through the Division Inspector/P-Spec to limit exposure of excavation(s). Customer is responsible for securing excavation(s).

D08: 11/13/18

POLE RISER BEND STANDARD LOCATION
SEE UGS CD 160



APPROVED RISER BENDS ARE SHOWN ON FOLLOWING TABLE:

MATERIAL	SIZE					
	1"	1-1/2"	2"	2-1/2"	3"	4" 5" 6"
ABS	-	-	-	X	X	X
FIBERGLASS	-	-	-	-	X	X
HDC	X	X	X	X	X	X

NOTE: 6" HDC OR FIBERGLASS RISER BEND SHALL BE USED WHEN SPECIFIED ON THE WORKING DRAWING. SEE UGS AC 702 FOR GROUNDING HDC RISER BENDS.

- THE TOP AND BOTTOM OF 3", 4", 5" OR 6" FIBERGLASS BENDS ARE FURNISHED WITH PERMANENTLY ATTACHED PVC COUPLINGS. ALSO INCLUDED IS A 6" LONG 3", 4", 5" OR 6" SCHEDULE 80 PVC STUB-OUT, SOLVENT WELDED INTO THE TOP COUPLING. SEE UGS CD 166 FOR FIBERGLASS RISER BEND MATERIAL INFORMATION AND SUPPLIERS.
- TWO GROUND RODS ARE REQUIRED AT ALL PRIMARY RISER POLES. DRIVE RODS IN TRENCH BOTTOM WITH 6" MINIMUM SEPARATION IN UNDISTURBED EARTH. LEAVE THE ROD TOPS 3" ABOVE THE TRENCH BOTTOM AND ATTACH CONTINUOUS GROUND WIRE WITH CLAMPS. EXTEND WIRE TO INDICATED LOCATION ON POLE AND STUB UP 2' ABOVE GRADE IN WOOD MOULDING. ALL GROUNDING MATERIALS FURNISHED BY CONTRACTORS. SEE UGS AC 703 FOR APPROVED GROUNDING MATERIALS.
- ENCASEMENT REQUIRED ONLY WHEN CALLED OUT ON WORKING DRAWING.
- PVC RISERS MAY BE SUBSTITUTED FOR FIBERGLASS FOR STRAIGHT RUNS OF 150' OR LESS IN CONDUIT SIZES 4" AND UNDER.

D78: REV. 02/14/11

FINAL DESIGN
APPROVED FOR CONSTRUCTION

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PROJECT NO. 2537924	SERVICE REQUEST 3426815	MSR NO.	PRODUCT-1 2078262-NEW METER & SERVICE
CIRCUIT / VOLTAGE FORBES 12KV	GPS	PRODUCT-2	ASSOC DESIGN 1583101
SUB / PG NO. LIVE OAK	CIRCUIT CODE 06634	PRODUCT-3	ASSOC DESIGN
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	63055	SHEET 1 OF 2	
TYPE DATE APPROVED BY CHECKED BY DRAWN BY PAX #		DESIGN/DRWG NO. 1583101_0.01	
Southern California Edison Company			

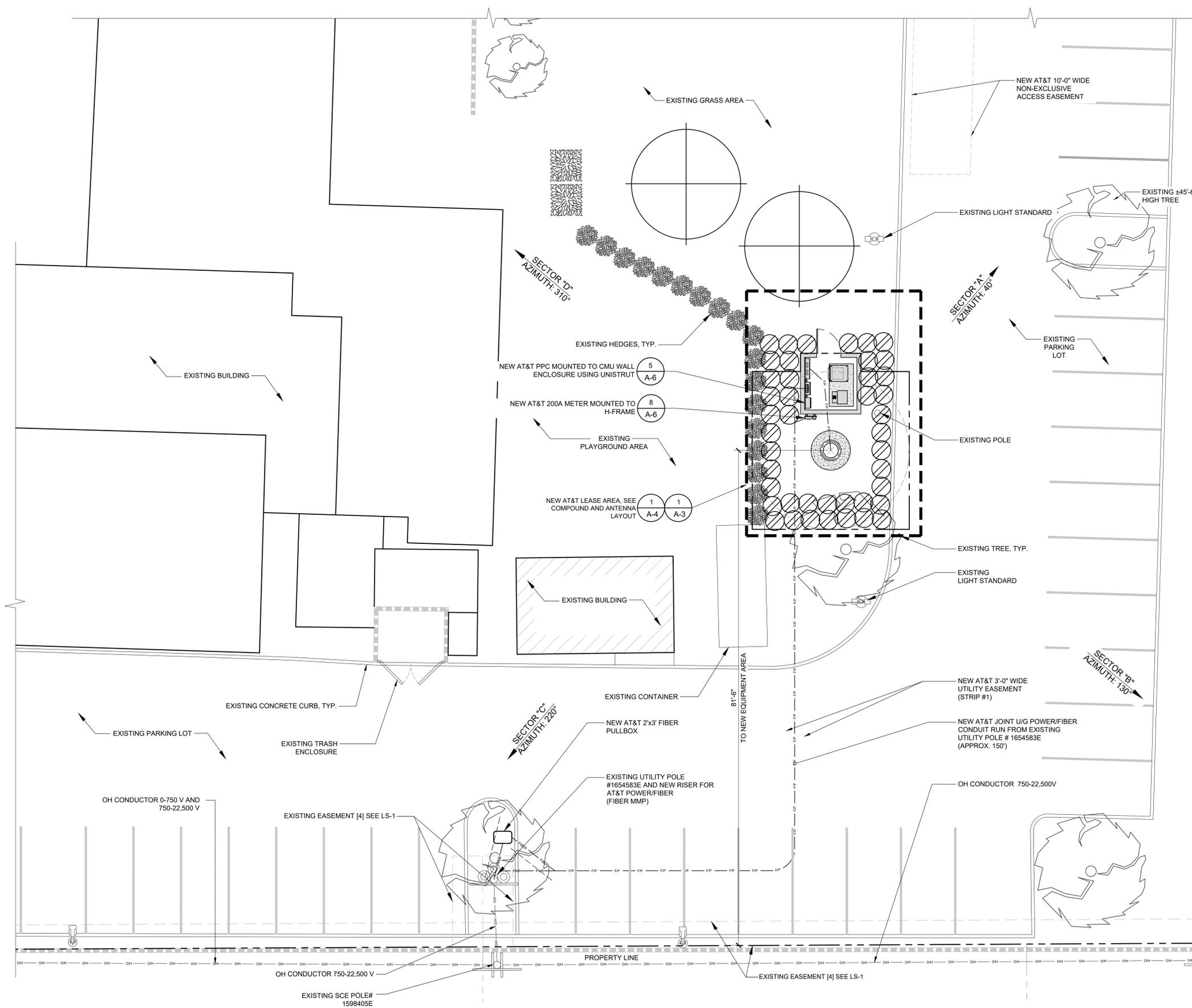
D99: 10/26/20

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D81: Rev. 09/23/09

EUKON_AT&T_90CD_MONOPOLE_TEMPLATE_V2_11-18-22

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



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DW/AS	GD	RB

CONSTRUCTION DRAWINGS

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0	03/12/24	100% CONSTRUCTION DRAWINGS

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CLL05463
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 CLAREMONT, CA 91711

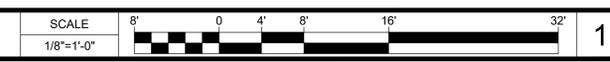
SHEET TITLE
ELECTRICAL SITE PLAN

SHEET NUMBER

E-1

EUKON AT&T_90CD_MONOPOLE_TEMPLATE_V2_11-18-22

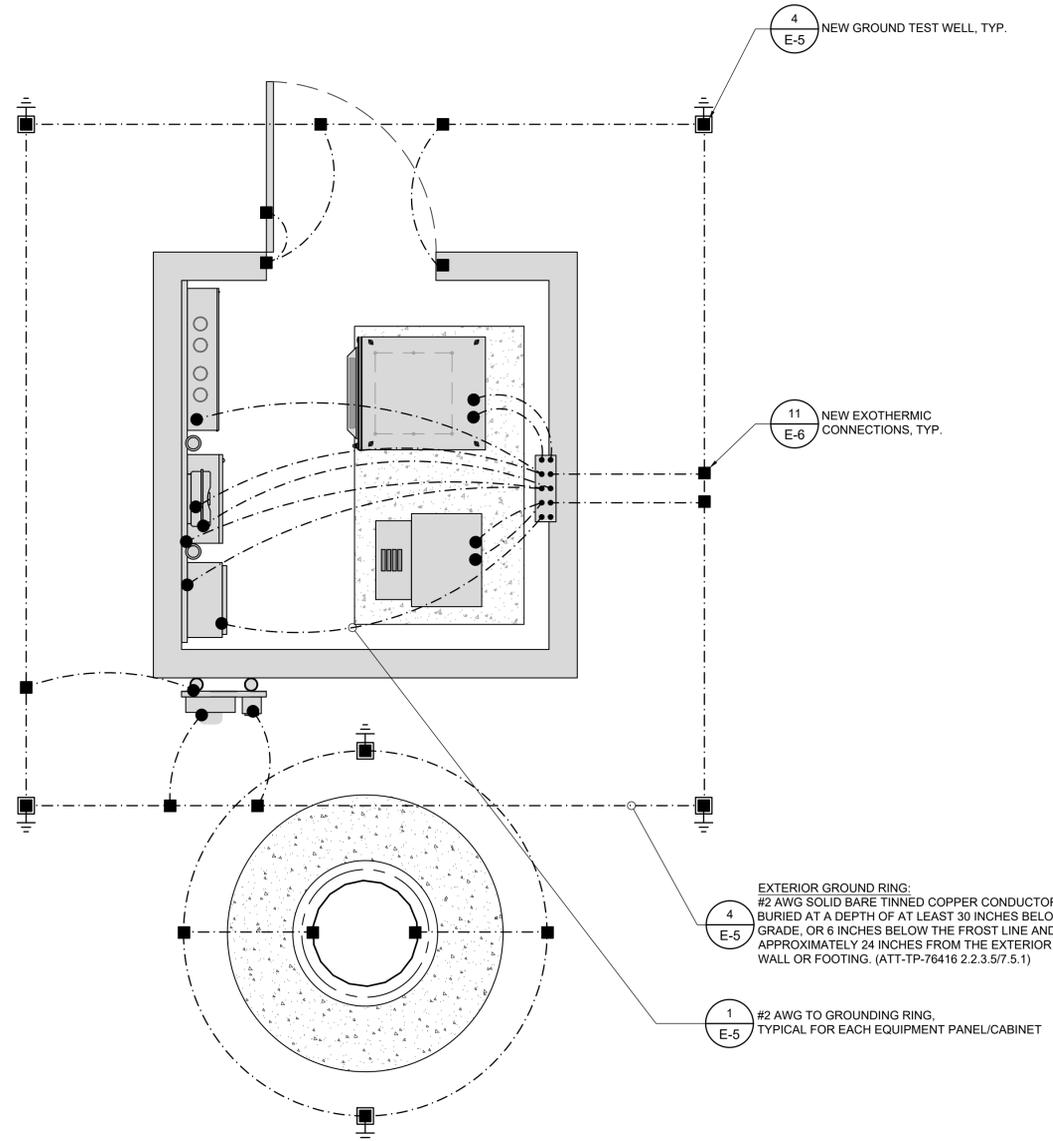
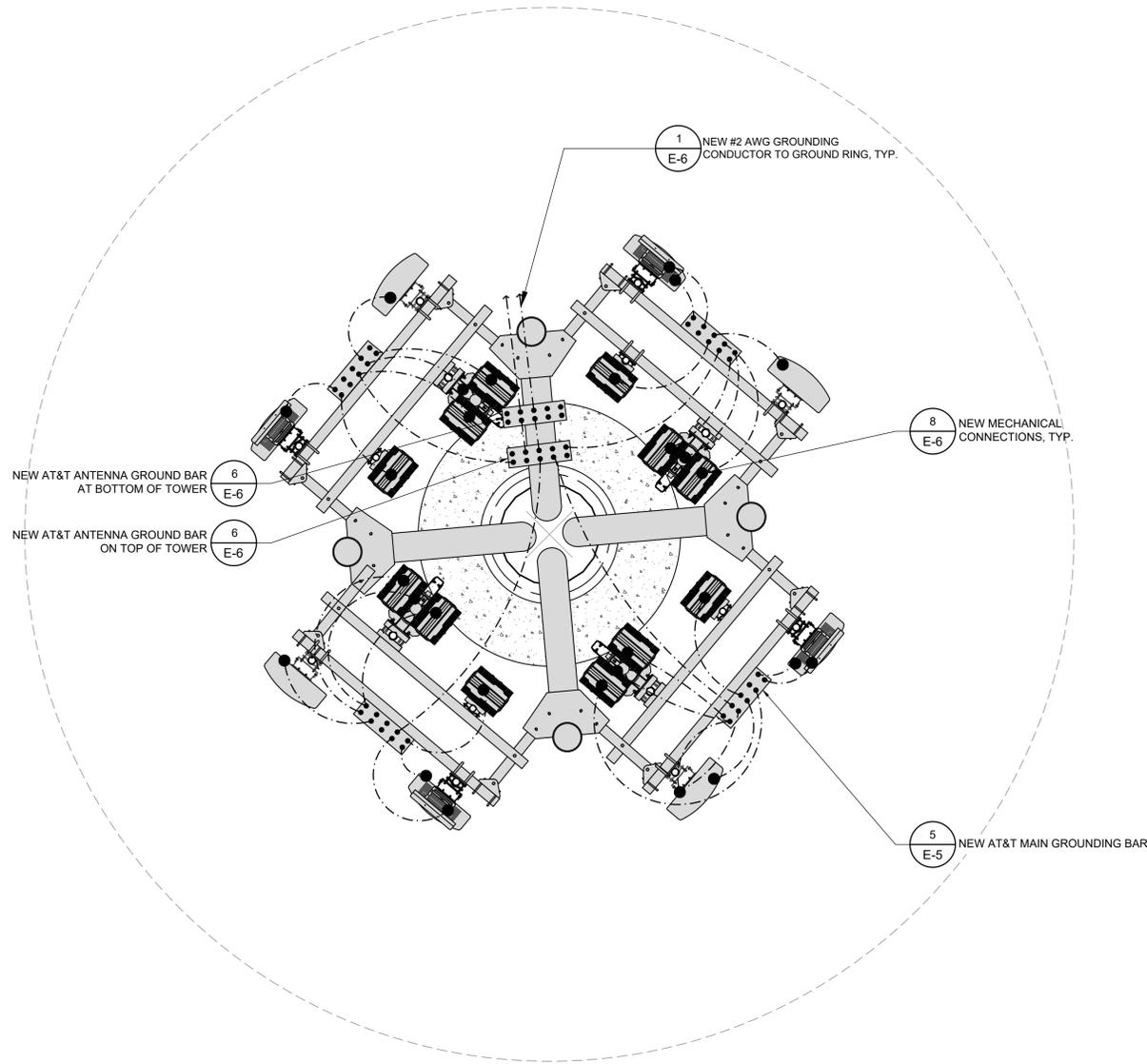
ELECTRICAL SITE PLAN



- 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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PROJECT INFORMATION

CLL05463

1700 N. TOWNE AVE.
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SHEET TITLE

GROUNDING PLANS

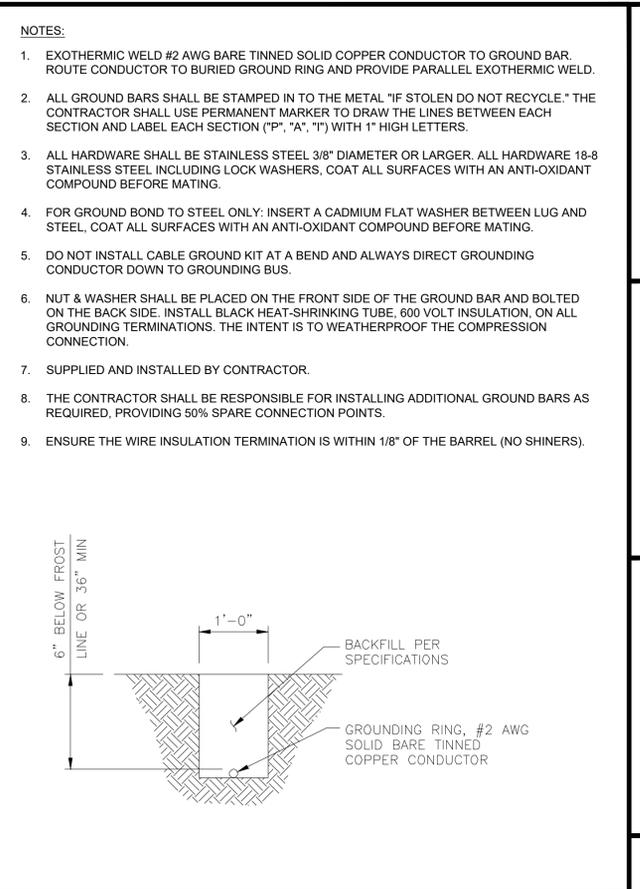
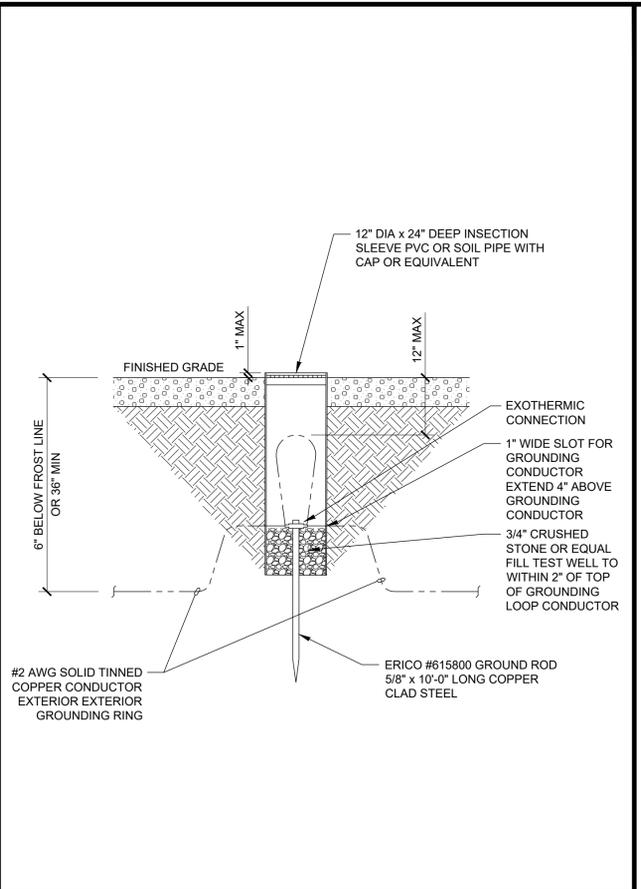
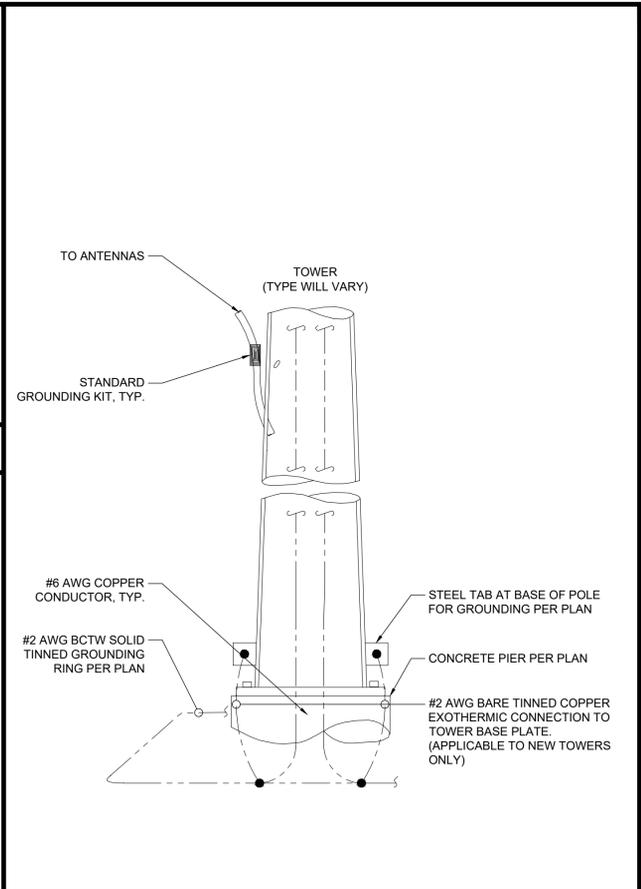
SHEET NUMBER

E-4

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GROUNDING PLAN

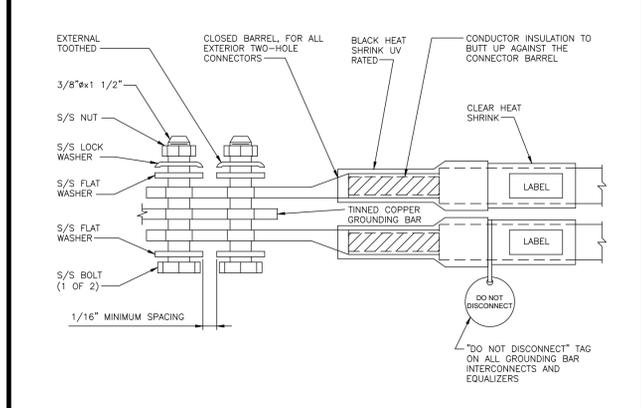
SCALE 3/4"=1'-0"



- NOTES:
- EXOTHERMIC WELD #2 AWG BARE TINNED SOLID COPPER CONDUCTOR TO GROUND BAR. ROUTE CONDUCTOR TO BURIED GROUND RING AND PROVIDE PARALLEL EXOTHERMIC WELD.
 - ALL GROUND BARS SHALL BE STAMPED IN TO THE METAL "IF STOLEN DO NOT RECYCLE." THE CONTRACTOR SHALL USE PERMANENT MARKER TO DRAW THE LINES BETWEEN EACH SECTION AND LABEL EACH SECTION ("P", "A", "I") WITH 1" HIGH LETTERS.
 - ALL HARDWARE SHALL BE STAINLESS STEEL 3/8" DIAMETER OR LARGER. ALL HARDWARE 18-8 STAINLESS STEEL INCLUDING LOCK WASHERS. COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
 - FOR GROUND BOND TO STEEL ONLY: INSERT A CADMIUM FLAT WASHER BETWEEN LUG AND STEEL. COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
 - DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUNDING CONDUCTOR DOWN TO GROUNDING BUS.
 - NUT & WASHER SHALL BE PLACED ON THE FRONT SIDE OF THE GROUND BAR AND BOLTED ON THE BACK SIDE. INSTALL BLACK HEAT-SHRINKING TUBE, 600 VOLT INSULATION, ON ALL GROUNDING TERMINATIONS. THE INTENT IS TO WEATHERPROOF THE COMPRESSION CONNECTION.
 - SUPPLIED AND INSTALLED BY CONTRACTOR.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ADDITIONAL GROUND BARS AS REQUIRED, PROVIDING 50% SPARE CONNECTION POINTS.
 - ENSURE THE WIRE INSULATION TERMINATION IS WITHIN 1/8" OF THE BARREL (NO SHINERS).

NOT USED

SCALE NONE 8



EXTERIOR TWO HOLE LUG

SCALE NONE 7

TOWER GROUNDING

SCALE NONE 6

GROUND ROD W/ INSPECTION SLEEVE

SCALE NONE 4

GROUND RING TRENCH

SCALE NONE 2

NEWTON INSTRUMENT COMPANY, INC. BUTNER, N.C.

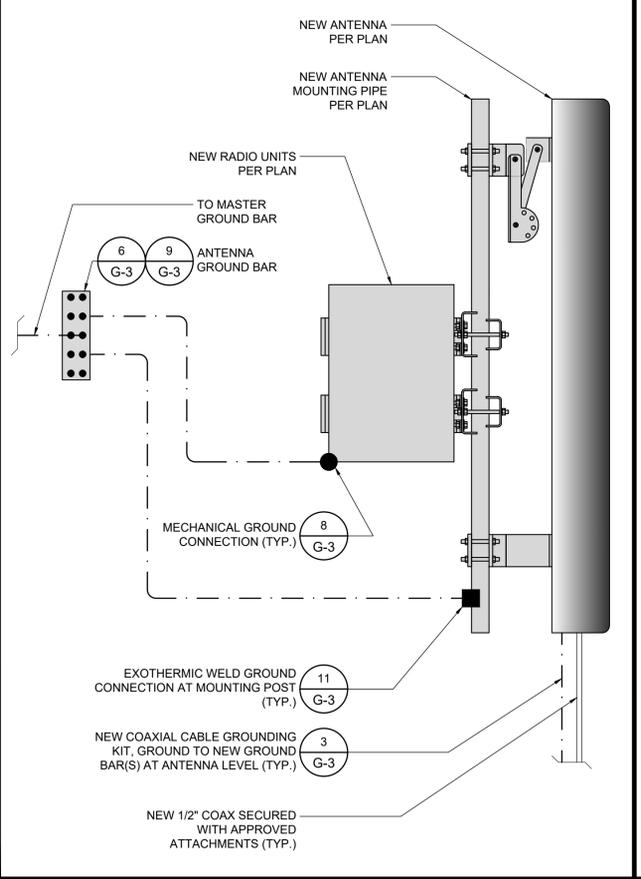
NO	REQUIRED	PART NUMBER	DESCRIPTION
1	1	1/4"x4"x30"	SOLID GROUND BAR
2	2	A-6056	WALL MOUNTING BRACKET
3	2	3061-4	INSULATORS
4	4	3012-1	5/8"-11x1" H.H.C.S.
5	4	3015-8	5/8" LOCKWASHER

EACH GROUNDING CONDUCTOR TERMINATING ON ANY GROUND BAR SHALL HAVE AN IDENTIFICATION TAG ATTACHED AT EACH END THAT WILL IDENTIFY ITS ORIGIN AND DESTINATION

SECTION "P" - SURGE PROTECTORS
 (EC) CELL REFERENCE GROUND BAR (IF COLLOCATED)
 (EC) GENERATOR FRAMEWORK (IF AVAILABLE) (#2 AWG)
 (EC) TELCO GROUND BAR (#2 AWG)
 (EC) COMMERCIAL POWER COMMON NEUTRAL/GROUNDING BOND (3/0)
 (EC) FIBER GROUND BAR (#2 AWG)
 (EC) POWER ROOM REFERENCE GROUND BAR (#2 AWG)
 (AT&T) RECTIFIER FRAMES

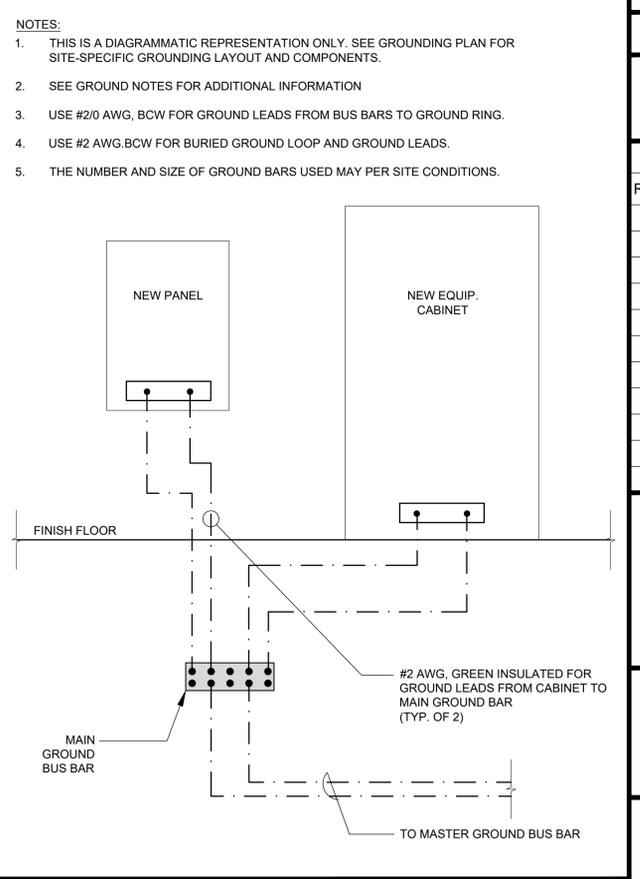
SECTION "A" - SURGE ABSORBERS
 (EC) INTERIOR GROUND RING (#2 AWG)
 (EC) EXTERNAL EARTH GROUNDING FIELD (BURIED GROUND RINGS) (#2 AWG)
 (EC) METALLIC COLD WATER PIPE (IF AVAILABLE) (1/0 AWG)
 (EC) BUILDING STEEL (IF AVAILABLE) (1/0 AWG)

SECTION "I" - ISOLATED GROUNDING ZONE
 (AT&T) ALL ISOLATED GROUNDING REFERENCE (AT&T) GROUND WINDOW BAR



ANTENNA GROUNDING

SCALE NONE 3



EQUIPMENT GROUNDING

SCALE NONE 1



NOT FOR CONSTRUCTION

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

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

GROUNDING DETAILS

SHEET NUMBER

E-5



1452 EDINGER AVE.
3RD FLOOR
TUSTIN, CA 92780



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

NOT FOR CONSTRUCTION

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DRAWN BY:	UTILITIES CHECKED BY:	A&E CHECKED BY:
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CONSTRUCTION DRAWINGS

SUBMITTALS		
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0	03/12/24	100% CONSTRUCTION DRAWINGS

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

SHEET TITLE
FIRE DEPARTMENT NOTES AND BATTERY INFORMATION

SHEET NUMBER
FD-1

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

- + VZ 179-9902
- + GR-4228
- + GR-1089
- + GR-63 NEBS

SAFETY

- + UL 94V-0
- + UL 1999

SPECIFICATIONS

MODEL	NOMINAL VOLTAGE (V)	RATED CAPACITY at 8 Hr (Ah)	OPERATING RANGE	L	W	H	TH	WEIGHT	TERMINAL			
				mm	mm	mm	mm	kg	lbs.			
PYL12V185FT	12	185	-40 to 65°C (-40 to 149°F)	556	215	125	4.8	317	12.5	60.7	133.8	Free-Mill Bolt Top-Mill 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

556±2

202.5±1

525±2

125±2

57.5±1

124±2

317±2

- 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

500-1100-022 rev.6.0 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 IMMERSSED 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).

PLANT LEGEND

SYM	BOTANICAL NAME	COMMON NAME	SIZE	QTY.	REMARKS	WATER USE
TREES						
	EUCALYPTUS LEUCOXYLON	CARROTWOOD	5 GAL.	2	STANDARD	LOW
	BID ALTERNATE	BRISBANE BOX	36" BOX	2	STANDARD	MOD.
SHRUBS						
	RHAPHIOLEPIS INDICA 'CLARA'	INDIAN HAWTHORN	5 GAL.	44	3'-0" O.C.	MOD.

PLANTING NOTE:

- MULCH AROUND PROJECT AREA THAT HAS BEEN IMPACTED DUE TO CONSTRUCTION. MULCH TO BE 3" MIN. THICK LAYER OF SHREDDED RECYCLED MULCH.
- AGRONOMIC SOIL ANALYSIS AND RECOMMENDATIONS REPORT TO BE OBTAINED INSTALLING LANDSCAPE CONTRACTOR AND SHALL BE INCLUDED IN CONSTRUCTION PROCESS. ALL RELATED NOTES, DETAILS AND SPECIFICATIONS SHALL BE REVIEWED AND REVISED AND INCORPORATE THE REPORT FINDINGS.
- ALL LANDSCAPED AREAS DEPICTED ON THIS PLAN SHALL BE MAINTAINED BY THE PROPERTY OWNER.

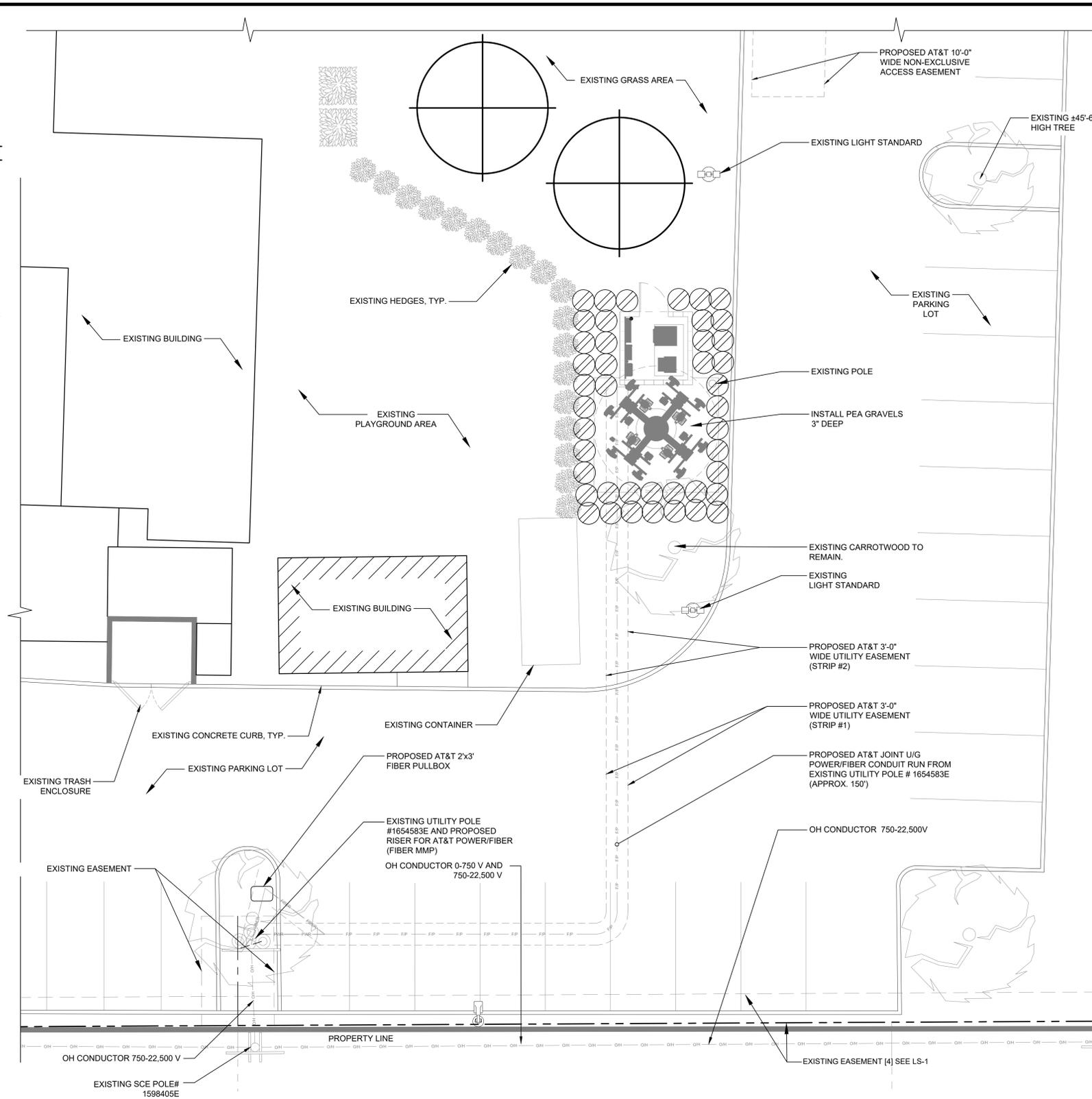
IRRIGATION SYSTEM DESIGN STATEMENT:

A PERMANENT AUTOMATIC IRRIGATION SYSTEM SHALL BE DESIGNED AND INSTALLED TO IRRIGATE ALL NEW PLANTING AREAS. THE IRRIGATION CONTROLLER SHALL BE EQUIPPED FROM THE MANUFACTURER WITH WEATHER/ EVAPOTRANSPIRATION (ET) SENSING CAPABILITIES TO AUTOMATICALLY ADJUST WATERING SCHEDULES AND AMOUNTS. THE DESIGN OF THE IRRIGATION SYSTEM SHALL EMPHASIZE WATER CONSERVATION AND PROVIDE EFFICIENT AND UNIFORM DISTRIBUTION OF IRRIGATION.

DRIP, BUBBLER, POINT-TO-POINT, OR OTHER LOW-VOLUME, LOW-PRESSURE MICRO-IRRIGATION SYSTEM AS APPROVED BY THE CITY SHALL BE INSTALLED IN PLANTER AREAS TO PROVIDE WATER DIRECTLY TO THE ROOT ZONE OF PLANTS.

THE AUTOMATIC IRRIGATION SYSTEM SHALL BE DESIGNED IN ACCORDANCE WITH THE CITY AND LOCAL WATER AGENCY WATER USE EFFICIENCY REQUIREMENTS AND LANDSCAPE STANDARDS.

PROJECT SHALL COMPLY WITH REQUIREMENTS AND STANDARDS OF THE WATER EFFICIENT/CONSERVATION LANDSCAPE STANDARDS FOR COMMERCIAL DESIGN STANDARDS AND GUIDELINES, AND ALL APPLICABLE SECTIONS OF THE CITY MUNICIPAL CODE AND THE CITY'S CURRENT POLICIES.



APPLICANT:

1452 EDINGER AVENUE,
3RD FLOOR
TUSTIN, CA 92780

ENGINEER:

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: mdm
CHECKED BY: RJC

REVISIONS:

REV	DATE	DESCRIPTION
C	07/25/24	100% ZONING DRAWINGS
B	06/16/24	100% ZONING DRAWINGS
A	11/07/23	90% ZONING DRAWINGS

LICENSEE:

RJCLA
Landscape Architects
Landscape Architects
Laguna Niguel, CA 92677
(949) 667-3938
rjcla@rjclalab.net

06/16/2024

PROJECT INFORMATION:

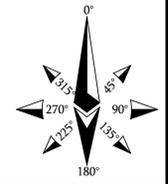
CLL05463
1700 N. TOWNE AVE.
CLAREMONT, CA. 91711

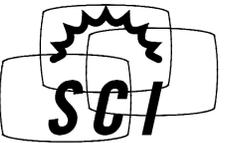
SHEET TITLE:

**PRELIMINARY
LANDSCAPE PLAN**

SHEET NUMBER:

L-1





© 2024 SOLAR COMMUNICATIONS INTERNATIONAL, INC.
 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:

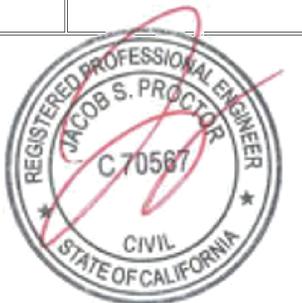
1700 NORTH TOWNE AVENUE
 CLAREMONT, CA 91711
 LOS ANGELES COUNTY

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, S ₁ = 0.654g SITE CLASS: D SPECTRAL RESPONSE COEFFICIENTS: S _{0.5s} = 1.158g, S _{0.1} = 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	

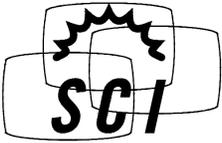
STRUCTURAL STEEL	
<ol style="list-style-type: none"> POLYGONAL MONOPOLE SHAFT STEEL SHALL CONFORM w/ ASTM A572 GR. 65, UNO. BASEPLATE STEEL SHALL CONFORM w/ ASTM A572 GR 50, UNO. ALL STEEL PIPE SHALL CONFORM w/ ASTM A53 GR B (35 KSI), UNO ACCEPTABLE PIPE MATERIAL ALTERNATIVES INCLUDE: A500 GR B., A106 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	
<ol style="list-style-type: none"> 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	
<ol style="list-style-type: none"> 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: <ul style="list-style-type: none"> SPECIAL INSPECTION OF HIGH-STRENGTH BOLTING (WHEN APPLICABLE): <ul style="list-style-type: none"> 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	
<ol style="list-style-type: none"> 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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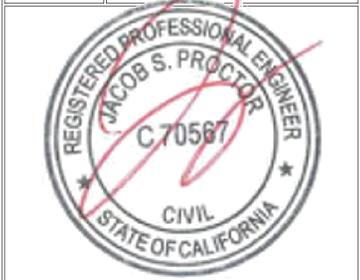
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NOTES & SPECIFICATIONS

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		
N1		REV 0

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

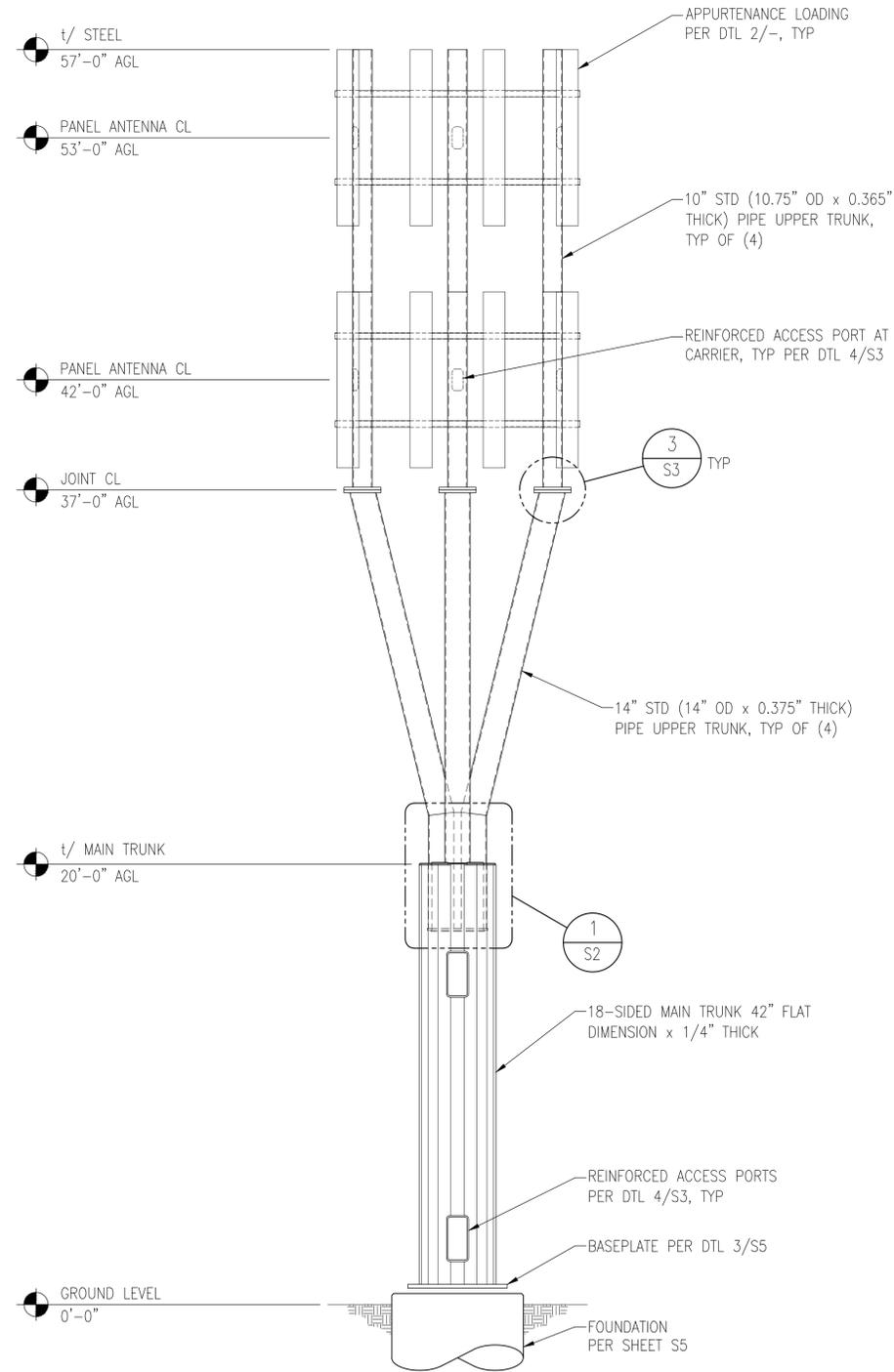
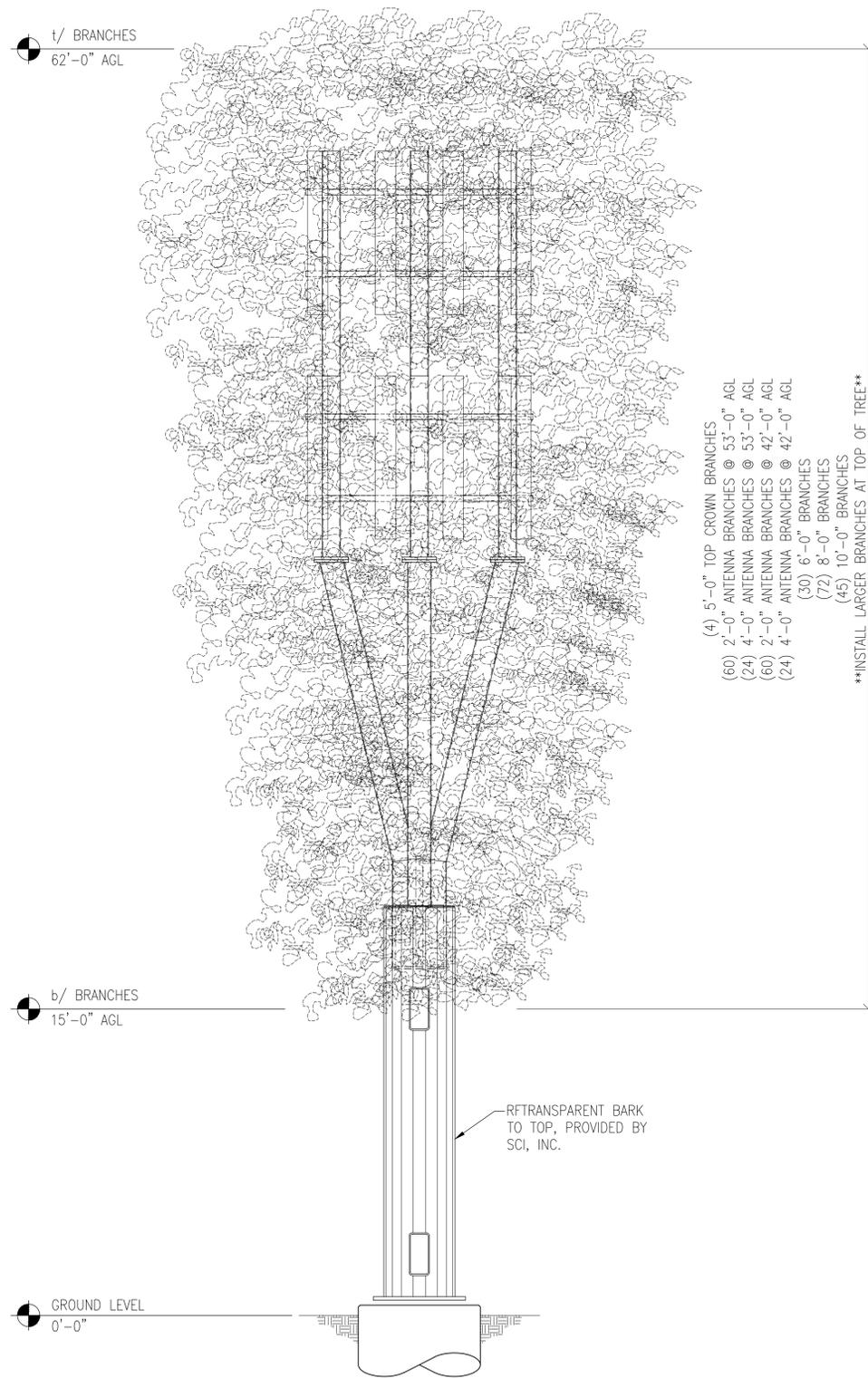
- ANTENNA CL @ 42'-0" AGL:
- (8) CCI TPA-45R-KU8AA-K (98.7"x15.4"x8.2") PANEL ANTENNAS
 - (8) RRU 4449 B5/B12
 - (8) RRU 8843 B2/B66A
 - (8) RRU 4478 B14
 - (4) RAYCAP SURGE SUPPRESSORS
- MOUNT PER SHEET S4

APPURTENANCES

NTS

2

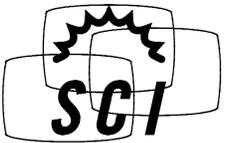
- NOTE:
1. BRANCHES ARE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY AND ARE NOT DRAWN TO SCALE.
 2. SEE DETAIL 1/S3 FOR UPPER TRUNK SPACING AND MAX BRANCH DIAMETER.
 3. ANTENNAS TO BE COVERED w/ FOLIAGE COLORED ANTENNA SOCKS
 4. SEE DETAIL 2/S3 FOR BRANCH RECEPTACLES.



ELEVATIONS

NTS

1



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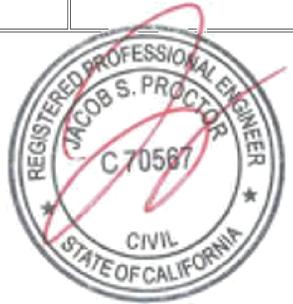
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ELEVATION VIEWS

CLL05463

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



06/20/2024

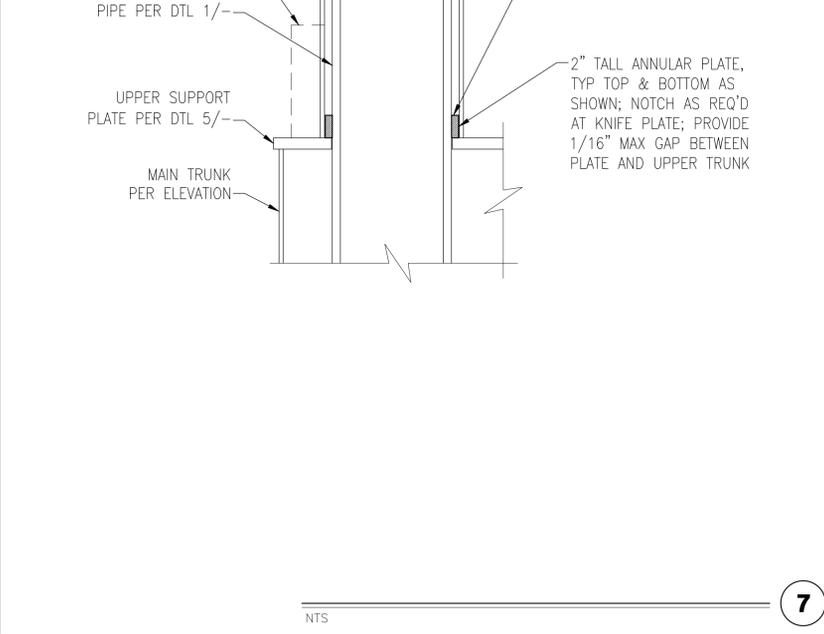
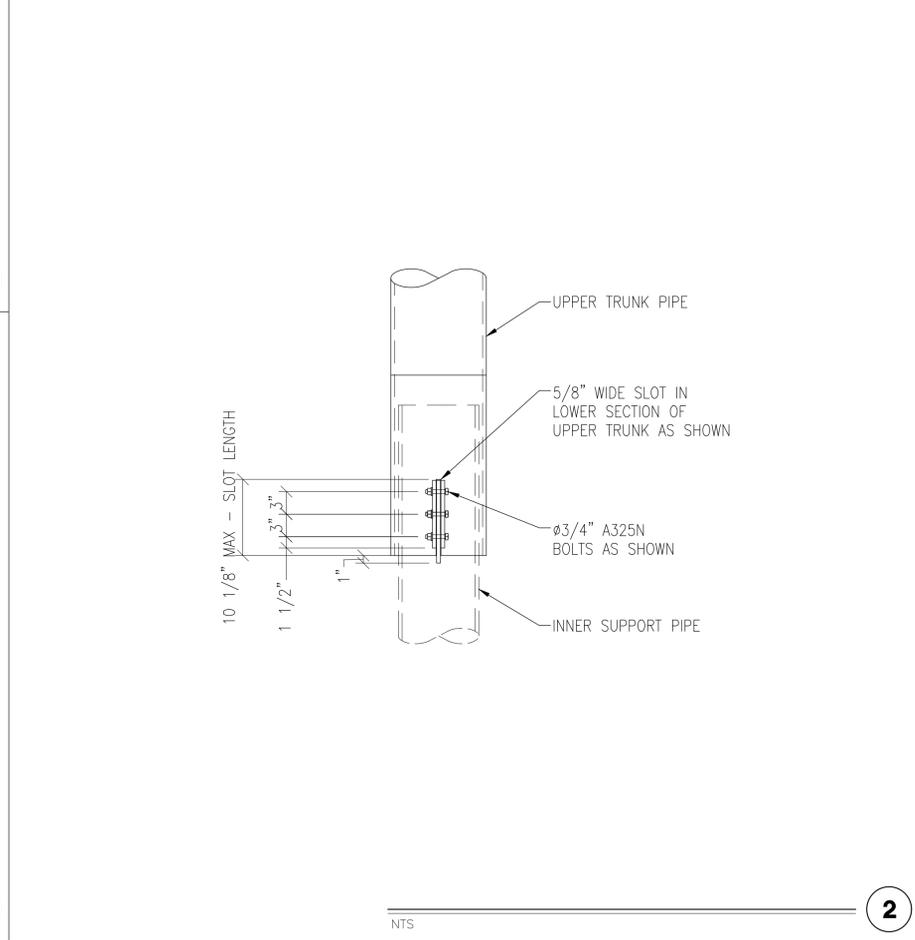
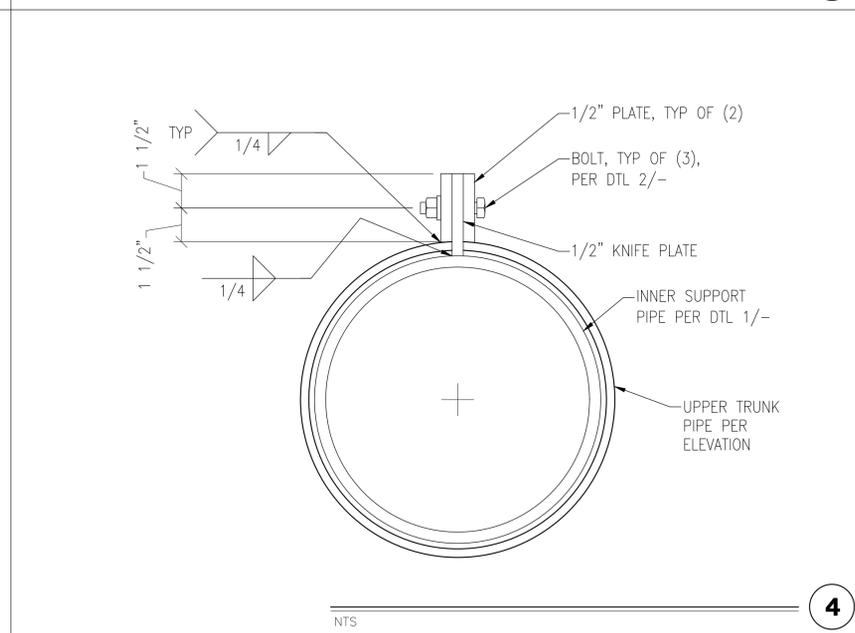
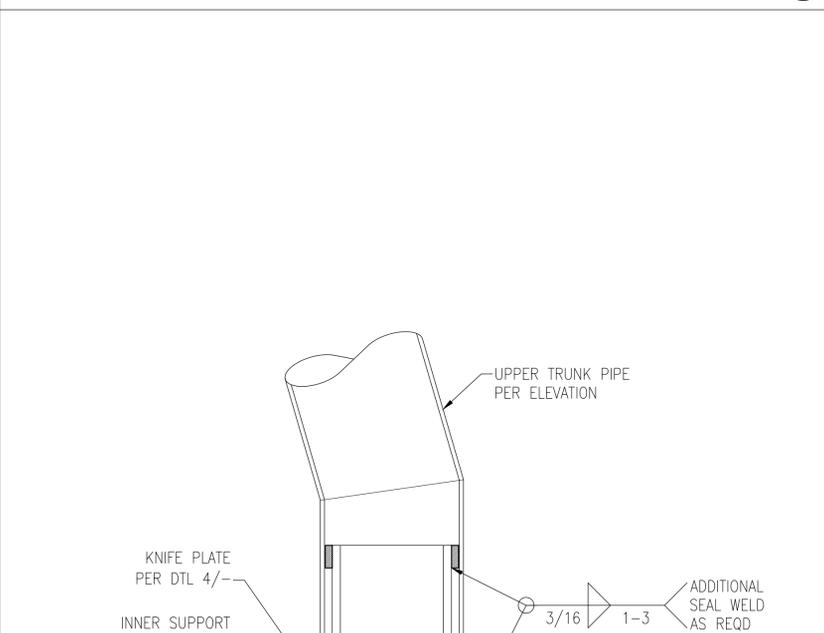
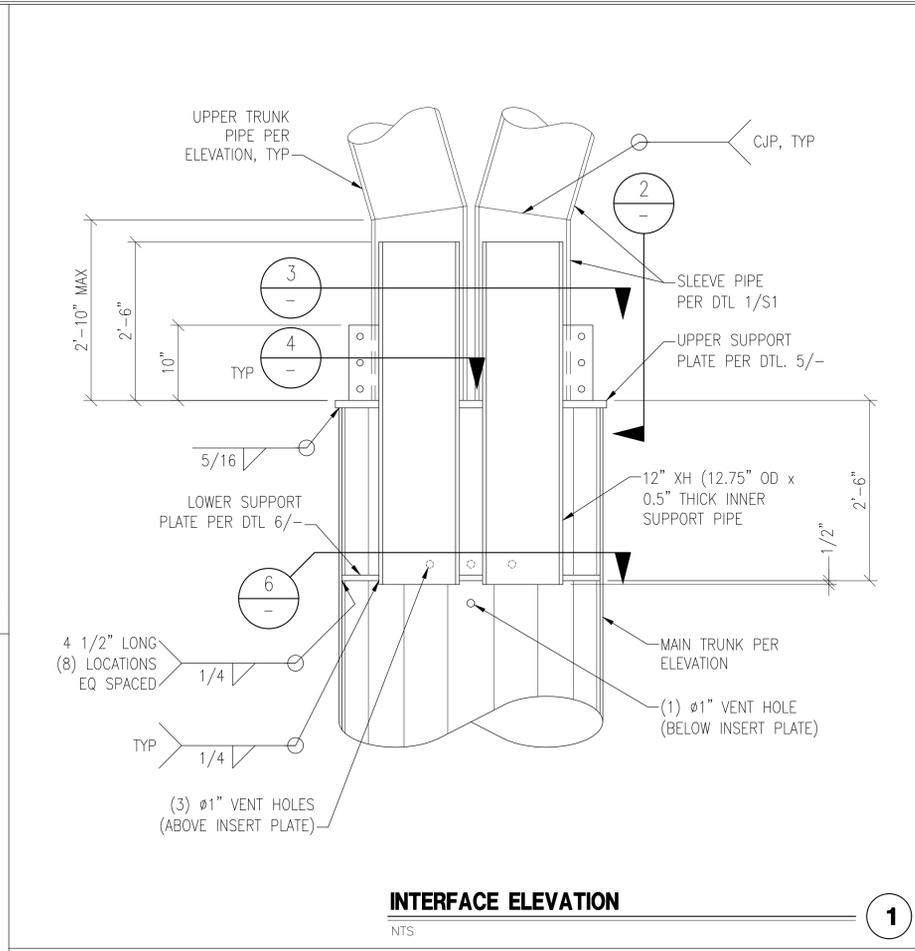
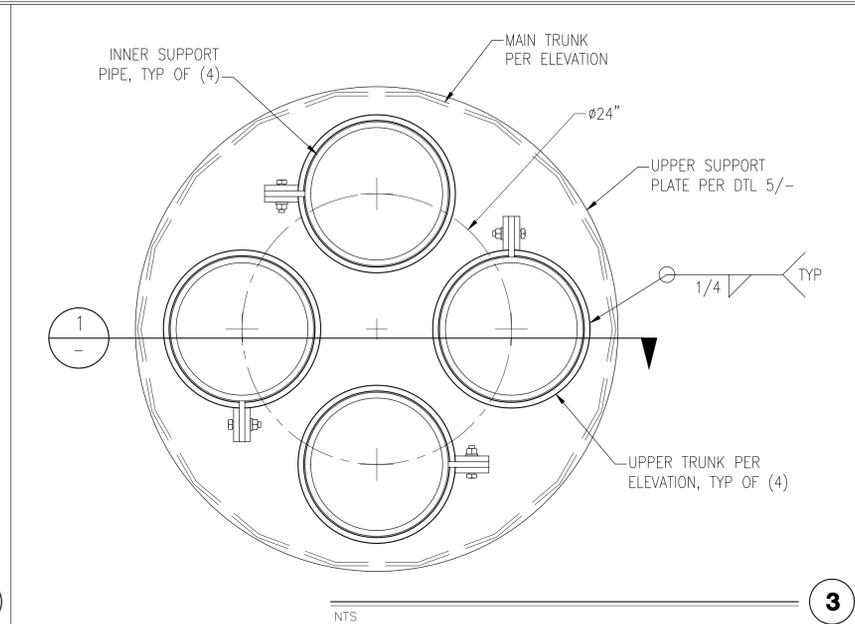
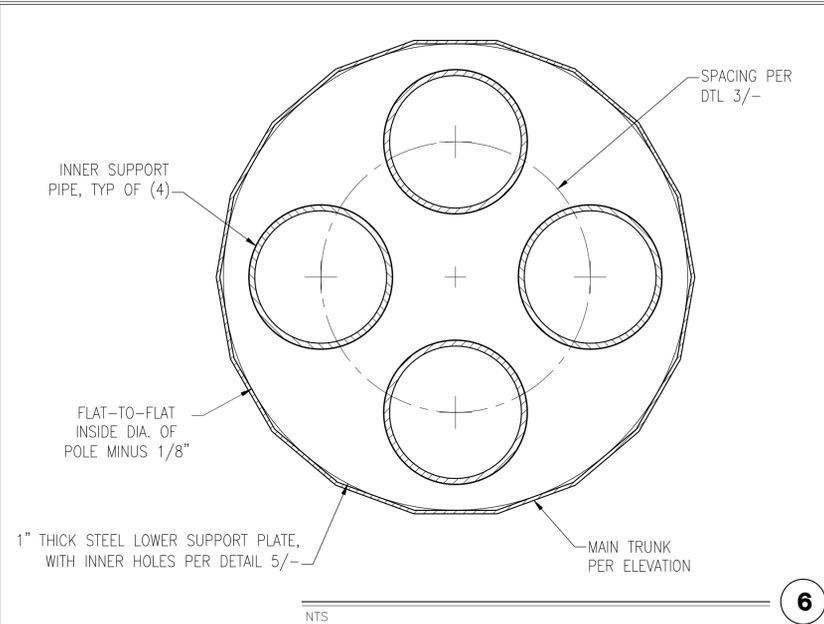
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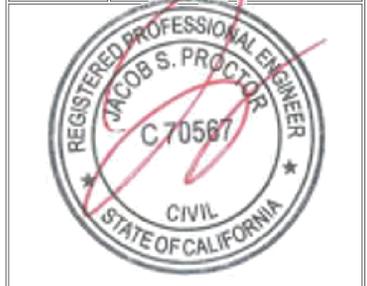


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DETAILS
CLL05463
 US PATENT # 7616170 & 8035574
 62'-0" QUAD-EUC
 1700 NORTH TOWNE AVENUE
 CLAREMONT, CA 91711



06/20/2024

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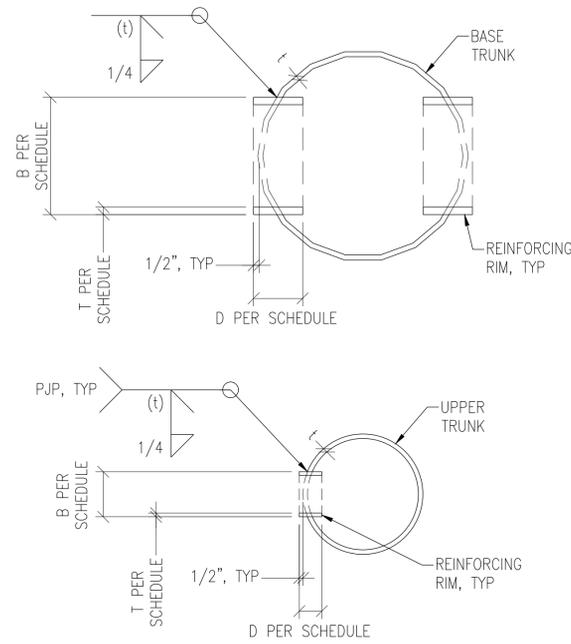
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PORT SCHEDULE					
CL ELEV.	PORT SIZE (B x H)	D	T	QTY	AZIMUTH(S)
53'-0"	6"x12"	3"	1/2"	1	T.B.D.
42'-0"	6"x12"	3"	1/2"	1	T.B.D.
15'-0"	12"x25"	3"	3/4"	2	180° SEPARATION
3'-0"	12"x25"	3"	3/4"	2	180° SEPARATION

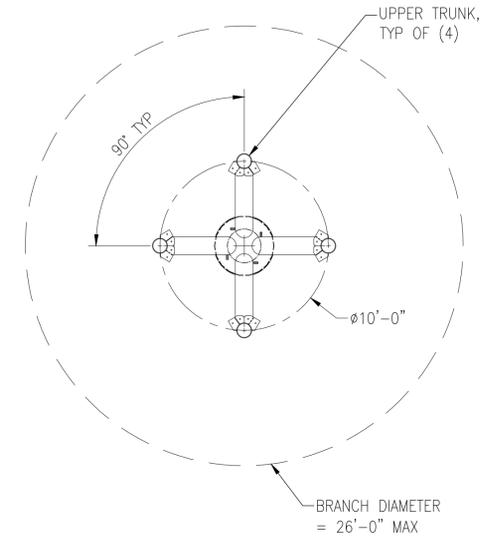
- NOTES:
- SEE SCHEDULE FOR PORT QUANTITY & AZIMUTHS.
 - SEE SHEET S1 FOR POLE SHAFT THICKNESS, t.
 - SEE GENERAL NOTES FOR REINFORCED PORT MATERIAL GRADE.
 - H REPRESENTS THE PORT HEIGHT OUT-TO-OUT.



REINFORCED ACCESS PORTS

NTS

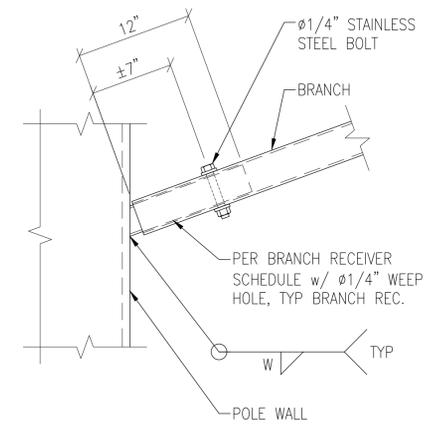
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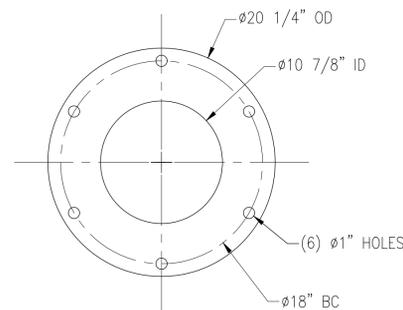
BRANCH RECEIVER SCHEDULE			
BRANCH LENGTH	YIELD STRENGTH (KSI)	SIZE	W
4'-0"	35	1 1/4" SCH 40	3/16
6'-0"	35	1 1/4" SCH 40	3/16
8'-0"	35	1 1/4" SCH 40	3/16
10'-0"	35	1 1/4" SCH 40	3/16



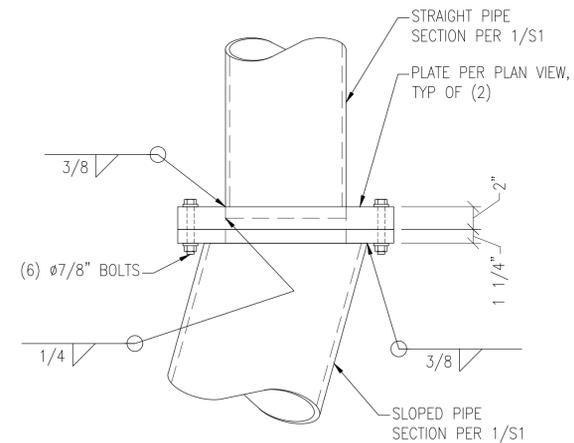
BRANCH RECEPTACLE, TYP

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2



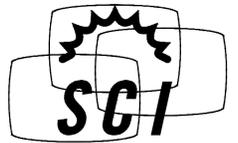
STEEL PLATE PLAN VIEW



ELEVATION VIEW

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3



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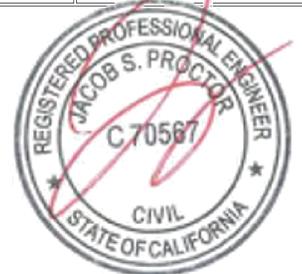
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DETAILS

CLL05463

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



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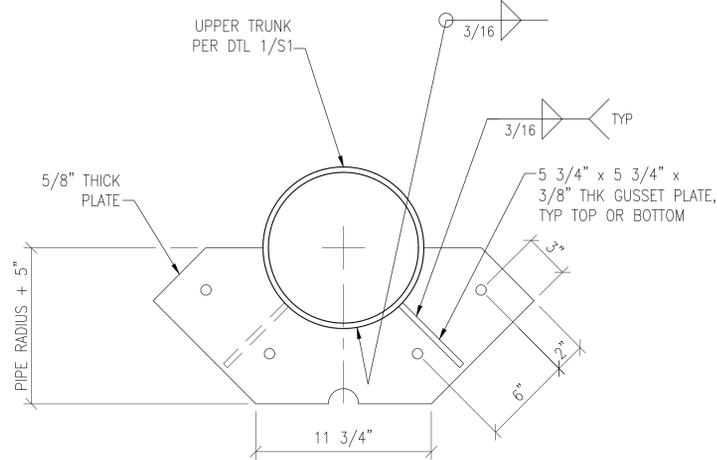
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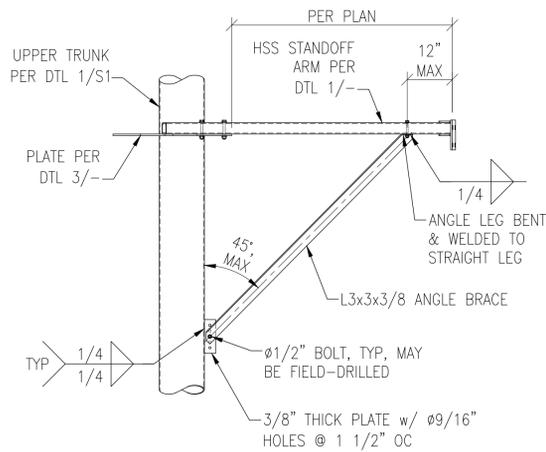


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3

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.



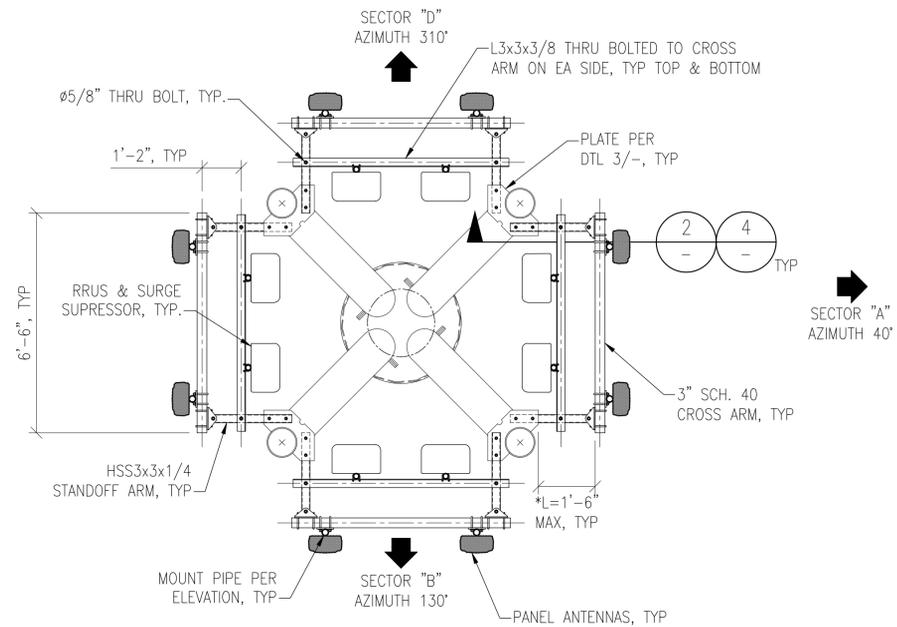
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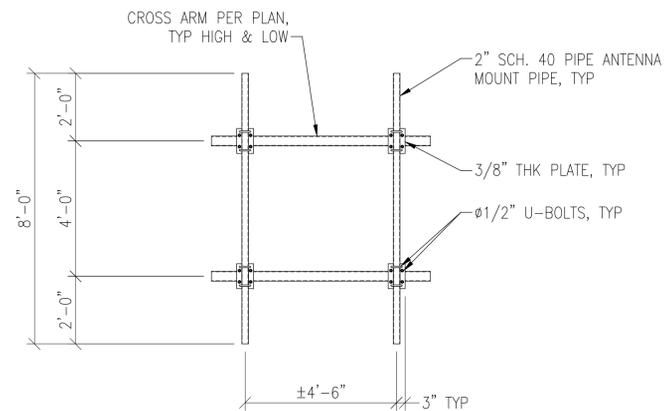
NOTE: SEE 2/S1 FOR CARRIER LOADING NOT SHOWN.

* 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°



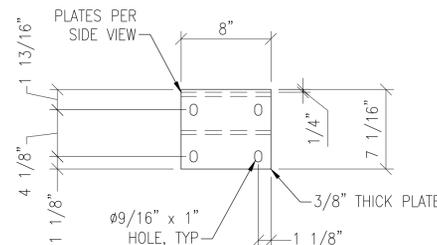
PLAN VIEW



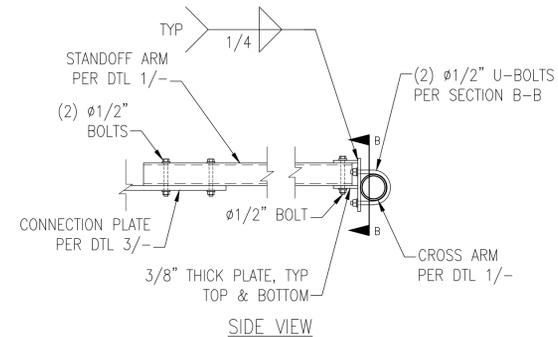
ELEVATION VIEW

NTS

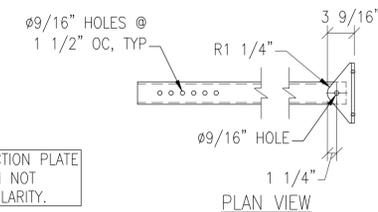
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SECTION B-B



SIDE VIEW

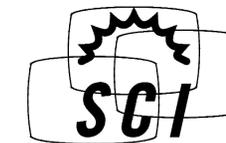


PLAN VIEW

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

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2



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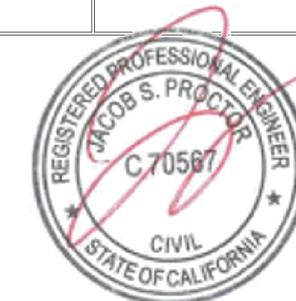
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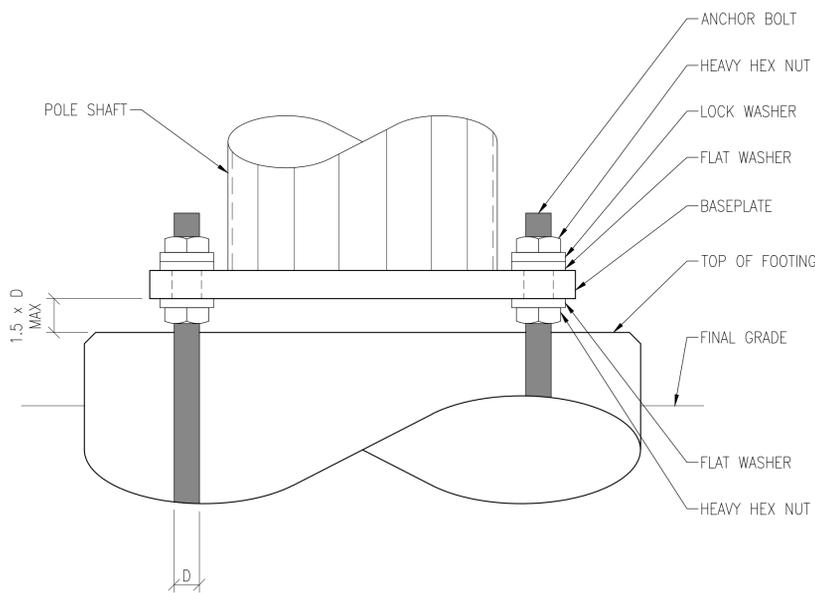
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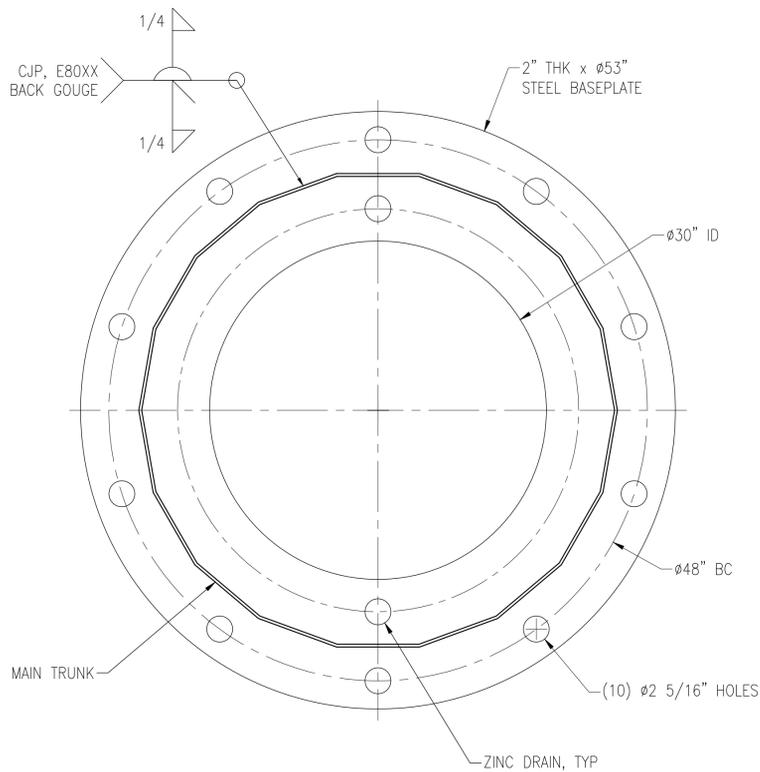
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BASE DETAIL

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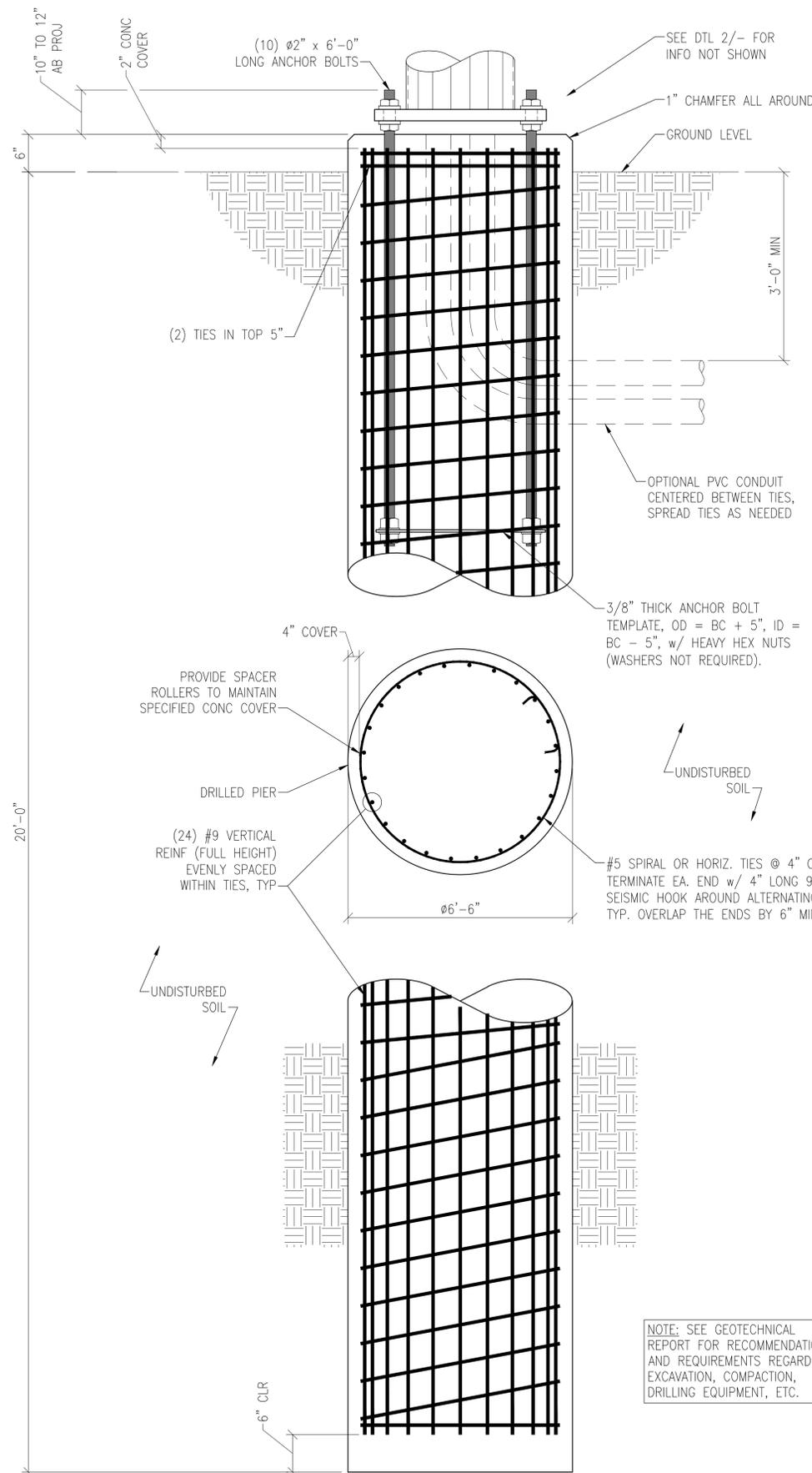
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BASEPLATE

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3



FOUNDATION

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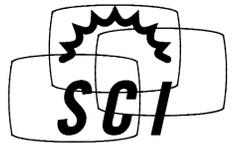
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GENERAL NOTES

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

NOTE: SEE GEOTECHNICAL REPORT FOR RECOMMENDATIONS AND REQUIREMENTS REGARDING EXCAVATION, COMPACTION, DRILLING EQUIPMENT, ETC.



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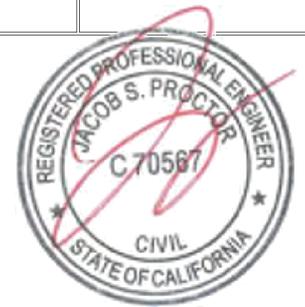
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AT&T

FOUNDATION

CLL05463

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CLAREMONT, CA 91711



06/20/2024

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

REVISIONS		
REV	DATE	DESCRIPTION

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