CODE COMPLIANCE

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

1. 2022 CALIFORNIA ADMINISTRATIVE CODE
2. 2022 CALIFORNIA BUILDING CODE
3. 2022 CALIFORNIA ELECTRIC CODE
4. 2022 CALIFORNIA MECHANICAL CODE
5. 2022 CALIFORNIA PLUMBING CODE
6. 2022 CALIFORNIA FIRE CODE
7. ANY LOCAL BUILDING CODE AMENDMENTS
8. CITY/COUNTY ORDINANCES
9. ANSI / TIA-222 STRUCTURAL CODE
10. NFPA 780 - LIGHTING PROTECTION CODE

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

THIS FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN 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 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 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

SHEET INDEX

SHEET	DESCRIPTION	REV
T-1	TITLE SHEET	B
T-2	GENERAL NOTES, LEGEND, AND ABBREVIATIONS	B
T-3	GENERAL SIGNAGE	B
T-4	STATEMENT OF SPECIAL INSPECTIONS	B
LS-1	TOPOGRAPHIC SURVEY	5
LS-2	TOPOGRAPHIC SURVEY	5
LS-3	TOPOGRAPHIC SURVEY	5
A-1	SITE PLAN	B
A-1.1	ENLARGED SITE PLAN	B
A-2	NEW COMPOUND / EQUIPMENT LAYOUT	B
A-3	ANTENNA PLAN	B
A-3.1	ANTENNA PLAN AND SCHEDULE	B
A-4	NEW EAST AND NORTH ELEVATIONS	B
A-4.1	NEW WEST AND SOUTH ELEVATIONS	B
A-5	EQUIPMENT DETAILS	B
A-6	EQUIPMENT DETAILS	B
A-7	EQUIPMENT DETAILS	B
A-8	CONSTRUCTION DETAILS	B
UD-1	UTILITY DESIGN	B
UD-2	UTILITY DESIGN	B
E-1	ELECTRICAL SITE PLAN	B
E-2	SINGLE LINE DIAGRAM / PANEL SCHEDULE	B
E-3	ELECTRICAL NOTES	B
E-4	GROUNDING PLANS	B
E-5	GROUNDING PLANS	B
E-6	GROUNDING DETAILS	B
FD-1	FIRE DEPT. NOTES AND BATTERY INFORMATION	B
	LANDSCAPE	
L-1	LANDSCAPE PLAN	L-1
	TOWER DRAWINGS BY SCI	
T1	TITLE SHEET	T1
N1	NOTES AND SPECIFICATIONS	N1
S1	ELEVATION VIEW	S1
S2	DETAILS	S2
S3	DETAILS	S3
S4	DETAILS	S4
S5	FOUNDATION	S5

SITE INFORMATION

PROPERTY OWNER:	GOOD SHEPERD EVANGELICAL LUTHERAN CHURCH OF CLAREMONT	TOWER OWNER:	N/A
ADDRESS:	1700 N. TOWNE AVENUE CLAREMONT, CA 91711 (909) 626-2714	ADDRESS:	-- --
		TOWER CO SITE ID:	N/A
COUNTY:	LOS ANGELES	TOWER APP NUMBER:	N/A
ZONING JURISDICTION:	CITY OF CLAREMONT	LATITUDE (NAD 83):	34° 06' 52.80" N 34.114667°
ZONING DISTRICT:	--	LONGITUDE (NAD 83):	117° 44' 08.43" W -117.735675°
PARCEL NUMBER:	8303-010-043		
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

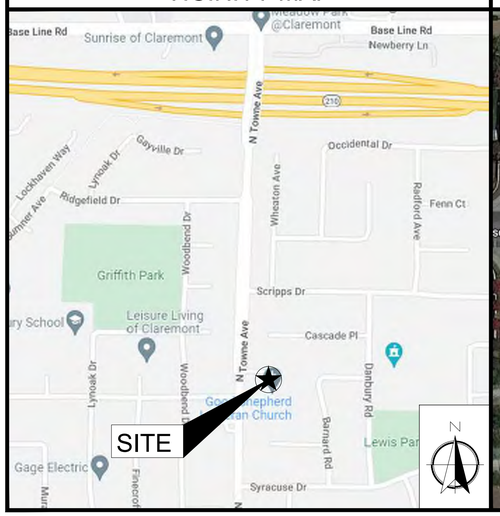
A&E CONTACT:
EUKON
65 POST SUITE 1000
IRVINE, CA 92618
CONTACT: RICH BRUNET
PHONE: (949) 553-8566
EMAIL: rich.brunet@eukongroup.com

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

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

1452 EDINGER AVE.
3RD FLOOR
TUSTIN, CA 92780

Eukon
an SFC Communications, Inc. Company
65 POST, SUITE 1000
IRVINE, CA 92618
TEL: (949) 553-8566
www.eukongroup.com

NOT FOR CONSTRUCTION

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

LEGEND

PROPERTY LINE / LEASE AREA	GROUTED OR PLASTER
CENTER LINE	BRICK
PWR — NEW POWER CABLE	MASONRY
FBR — NEW FIBER CABLE	CONCRETE
P/F — NEW POWER AND FIBER CABLES	STEEL
HYBD — NEW HYBRID CABLES	EARTH
COAX — NEW COAX CABLES	GRAVEL
OHP — OVERHEAD POWER CABLES	PLYWOOD
OHT — OVERHEAD COMMUNICATIONS CABLES	SAND
E — EXISTING POWER CABLES	WOOD CONTINUOUS
T — EXISTING COMMUNICATION CABLES	WOOD BLOCKING
W — EXISTING WATER PIPES	SPOT ELEVATION
S — EXISTING SEWER PIPES	REVISION
SD — EXISTING STORM DRAIN PIPES	GRID REFERENCE
G — EXISTING GAS PIPES	DETAIL REFERENCE
GS — EXISTING GASOLINE PIPES	ELEVATION REFERENCE
X — CHAIN-LINK FENCING	SECTION REFERENCE

E	ELECTRICAL BOX
T	TELEPHONE BOX
M	ELECTRICAL METER
	SAFETY SWITCH (DISCONNECT)
	AUTOMATIC TRANSFER SWITCH
	CIRCUIT BREAKER
$	ELECTRICAL SWITCH
S	SMOKE DETECTOR
	TRANSFORMER
	UTILITY POLE
	POLE MOUNTED XFMR
	PAD MOUNTED XFMR
	GROUND ROD
	GROUND ROD WITH INSPECTION SLEEVE
	GROUND ROD WITH TEST INSPECTION SLEEVE
	EXOTHERMIC GROUND CONNECTION
	COMPRESSION GROUND CONNECTION
	CHEMICAL ELECTROLYTIC GROUNDING
	GROUNDING CONDUCTOR
	GROUND BAR

ABBREVIATIONS

A	AMPERE
A&E	ARCHITECTURE AND ENGINEERING
A.B.	ANCHOR BOLT
ABV.	ABOVE
AC	ALTERNATE CURRENT/AIR CONDITIONER
ACCA	ANTENNA CABLE COVER ASSEMBLY
ADD'L	ADDITIONAL
A.F.F.	ABOVE FINISHED FLOOR
A.F.G.	ABOVE FINISHED GRADE
AIC	AMPERE INTERRUPTING CAPACITY
ALUM.	ALUMINUM
ALT.	ALTERNATE
ANT.	ANTENNA
APPR0X.	APPROXIMATE(LY)
ARCH.	ARCHITECT(URAL)
AT.	AMPERE TRIP
AWG.	AMERICAN WIRE GAUGE
BATT.	BATTERY
BD.	BOARD
BLDG.	BUILDING
BLK.	BLOCK
BLKG.	BLOCKING
BM.	BEAM
B.N.	BOUNDARY NAILING
BR.	BRANCH
BRKR.	BREAKER
BTCW.	BARE TINNED COPPER WIRE
BTS.	BASE TRANSMISSION SYSTEM
B.O.F.	BOTTOM OF FOOTING
B/U	BACK-UP CABINET
C	CONDUIT
CAB.	CABINET
CANT.	CANTILEVER(ED)
CB.	CIRCUIT BREAKER
CDMA	CODE-DIVISION MULTIPLE ACCESS
CDUK	CONSOLIDATION DISTRIBUTION UNIT KIT
C.I.P.	CAST IN PLACE
CKT.	CIRCUIT
℄	CENTERLINE
CLG.	CEILING
CLR.	CLEAR
CMU	CONCRETE MASONRY UNIT
COL.	COLUMN
CONC.	CONCRETE
CONN.	CONNECTION(OR)
CONST.	CONSTRUCTION
CONT.	CONTINUOUS
d	PENNY (NAILS)
DBL.	DOUBLE
DC	DIRECT CURRENT
DEM.	DEMAND
DEPT.	DEPARTMENT
D.F.	DOUGLAS FIR
DIA.	DIAMETER
DIAG.	DIAGONAL
DIM.	DIMENSION
DO	DITO (THE SAME)
DWG.	DRAWING(S)
DWL.	DOWEL(S)
(E)	EXISTING
EA.	EACH
EGR.	EMERGENCY GENERATOR RECEPTACLE
EL.	ELEVATION
ELEC.	ELECTRICAL
ELEV.	ELEVATOR
EMT.	ELECTRICAL METALLIC TUBING
E.N.	EDGE NAIL
ENCL.	ENCLOSURE
ENG.	ENGINEER
EQ.	EQUAL
ESR	EVALUATION SERVICE REPORT
EXP.	EXPANSION
EXT.	EXTERIOR
FAB.	FABRICATION(OR)
FAC.	FACTOR
F/A	FIRE ALARM
F.F.	FINISH FLOOR
F.G.	FINISH GRADE
F.J.	FLOOR JOIST
FIN.	FINISH(ED)
FLR.	FLOOR
FLUOR	FLUORESCENT
FDN.	FOUNDATION
F.O.C.	FACE OF CONCRETE
F.O.M.	FACE OF MASONRY
F.O.S.	FACE OF STUD
F.O.W.	FACE OF WALL
FRP	FIBER REINFORCE POLYMER
F.S.	FINISH SURFACE
FT.(')	FOOT (FEET)
FTG.	FOOTING
FU	FUSE
G	GROUND
GR	GROWTH (CABINET)
GA.	GAUGE
GALV.	GALVANIZE(D)
GEN.	GENERATOR
G.F.C.I.	GROUND FAULT CIRCUIT INTERRUPTER
GLB.	(GLU-LAM) GLUE LAMINATED BEAM
GND	GROUND
GPS	GLOBAL POSITIONING SYSTEM
GRND.	GROUND
GSM	GLOBAL SYSTEM MOBILE
HDBC	HARD DRAWN COPPER WIRE
HDR.	HEADER
HGR.	HANGER
HPS	HIGH PRESSURE SODIUM
HT.	HEIGHT
ICC	INTERNATIONAL CODE COUNCIL
ICGB.	ISOLATED COPPER GROUND BUS
ILC	INTEGRATED LEAD CENTER
IN.(")	INCH(ES)
INT.	INTERIOR
L.	LONG(ITUDINAL)
LARR	LOS ANGELES RESEARCH REPORT
LB.(#)	POUND(S)
L.B.	LAG BOLTS
L.F.	LINEAR FEET (FOOT)
LG.	LENGTH
LPS	LOW PRESSURE SODIUM
LTE	LONG TERM EVOLUTION
MAS.	MASONRY
MAX.	MAXIMUM
M.B.	MACHINE BOLT
MECH.	MECHANICAL
MFR.	MANUFACTURER
MIN.	MINIMUM
MISC.	MISCELLANEOUS
MLO	MAIN LUGS ONLY
MTD.	MOUNTED
MTG.	MOUNTING
MTL.	METAL
MTS.	MANUAL TRANSFER SWITCH
N	NEUTRAL
(N)	NEW
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOC.
NO.(#)	NUMBER
N.T.S.	NOT TO SCALE
OBIF	OPTICAL BASEBAND INTERFACE
OH	OVERHEAD
O.C.	ON CENTER
OPNG.	OPENING
(P)	PROPOSED
P	POLE
P/C	PRECAST CONCRETE
PCS	PERSONAL COMMUNICATION SERVICES
PH	PHASE
PLY.	PLYWOOD
PNLBD	PANELBOARD
PPC	POWER PROTECTION CABINET
PRC	PRIMARY RADIO CABINET
L.	PROPERTY OR PROPERTY LINE
PRI	PRIMARY
P.S.F.	POUNDS PER SQUARE FOOT
P.S.I.	POUNDS PER SQUARE INCH
P.T.	PRESSURE TREATED
P.T.D.F.	PRESSURE TREATED DOUGLAS FUR
PWR.	POWER
QTY.	QUANTITY
RAD.	RADIATION
R	RADIUS
RBS	RADIO BASE STATION
RCPT.	RECEPTACLE
REF.	REFERENCE
REINF.	REINFORCEMENT(ING)
REQ'D.	REQUIRED
RF	RADIO FREQUENCY
RGS.	RIGID GALVANIZED STEEL
R.J.	ROOF JOIST
R.R.	ROOF RAFTER
RRU	REMOTE RADIO UNIT (RADIO TRANSCEIVER)
RX-AIT	RECEIVER AIR INTERFACE TRAY
SAF	SAFETY
SAQ	SITE ACQUISITION
SCH.	SCHEDULE
SDBC	SOFT DRAWN BARE COPPER SEC SECONDARY
SHT.	SHEET
SIM.	SIMILAR
S.N.	SOLID NEUTRAL
SPEC.	SPECIFICATION(S)
SQ.	SQUARE
S.S.	STAINLESS STEEL
STD.	STANDARD
STL.	STEEL
STRUC.	STRUCTURAL
SURF	SURFACE
SW	SWITCH
TEL.	TELEPHONE
TEMP.	TEMPORARY
THK.	THICK(NESS)
TMA	TOWER MOUNTED AMPLIFIER (DC SUPPLY VOLTAGE)
T.N.	TOE NAIL
T.O.A.	TOP OF ANTENNA
T.O.C.	TOP OF CURB
T.O.F.	TOP OF FOUNDATION
T.O.P.	TOP OF PLATE OR PARAPET
T.O.R.	TOP OF ROOF
T.O.S.	TOP OF STEEL
T.O.W.	TOP OF WALL
TYP.	TYPICAL
U.G.	UNDER GROUND
U.L.	UNDERWRITERS LABORATORY INC.
UMTS	UNIVERSAL MOBIL TECH. SYS.
U.N.O.	UNLESS NOTED OTHERWISE
V	VOLT
VAC	VOLT ALTERNATING CURRENT
V.I.F.	VERIFY IN FIELD
W	WATT OR WIRE
WD	WIDE(WIDTH)
W/	WITH
W/O	WITHOUT
WD.	WOOD
W.P.	WEATHERPROOF
WT.	WEIGHT
XFER	TRANSFER
XFMR	TRANSFORMER
XLPE	CROSS-LINK POLYETHYLENE

GENERAL NOTES

1. THE FACILITY IS AN UNOCCUPIED DIGITAL TELECOMMUNICATION FACILITY.
2. PLANS ARE NOT TO BE SCALED AND ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
3. PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTORS SHALL VISIT THE JOB SITE AND BE RESPONSIBLE FOR ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE IMPLEMENTATION ENGINEER AND ENGINEER PRIOR TO PROCEEDING WITH THE WORK.
4. THE CONTRACTOR SHALL OBTAIN, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
5. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
6. ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. MECHANICAL AND ELECTRICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
7. THE GENERAL CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, USING THE BEST SKILLS AND ATTENTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT INCLUDING CONTACT AND COORDINATION WITH THE IMPLEMENTATION ENGINEER AND WITH THE LANDLORD'S AUTHORIZED REPRESENTATIVE.
8. SEAL PENETRATIONS THROUGH FIRE RATED AREAS WITH U.L. LISTED AND FIRE CODE APPROVED MATERIALS.
9. PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A OR 2-A10BC WITHIN 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF THE PROJECT AREA DURING CONSTRUCTION.
10. DETAILS ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
11. REPRESENTATIONS OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF SURVEY DRAWING (SHEET LS1 OR SHEET C-1), SHALL NOT BE USED TO IDENTIFY OR ESTABLISH THE BEARING OF TRUE NORTH AT THE SITE. THE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF SURVEY DRAWING AND ANY SURVEYOR'S MARKINGS AT THE SITE FOR THE ESTABLISHMENT OF TRUE NORTH, AND SHALL NOTIFY THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE TRUE NORTH ORIENTATION AS DEPICTED ON THE CIVIL SURVEY. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ENGINEER.
12. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, PAVING, CURBS, VEGETATION, GALVANIZED SURFACES, ETC., AND UPON COMPLETION OF WORK REPAIR ANY DAMAGE THAT OCCURRED DURING CONSTRUCTION TO THE SATISFACTION OF AT&T.
13. KEEP GENERAL AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST OR SMUDGES OF ANY NATURE.
14. PENETRATIONS OF ROOF MEMBRANES SHALL BE PATCHED/FLASHED AND MADE WATERTIGHT USING LIKE MATERIALS IN ACCORDANCE WITH NRCA ROOFING STANDARDS AND DETAILS. CONTRACTOR SHALL OBTAIN DETAILING CLARIFICATION FOR SITE-SPECIFIC CONDITIONS FROM ENGINEER, IF NECESSARY, BEFORE PROCEEDING.
15. BEFORE ORDERING AND/OR BEFORE FABRICATING/CONSTRUCTING/INSTALLING ANY ITEMS, VERIFY THE TYPES AND QUANTITIES.
16. CONTRACTOR SHALL PROVIDE SITE FOREMAN WITH A CELLULAR PHONE AND PAGER, AND KEEP SAME ON SITE WHENEVER PERSONNEL ARE ON SITE.
17. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON THE SITE AND NOTIFY THE PROJECT MANAGER OF ANY DISCREPANCIES BEFORE STARTING ANY WORK.
18. CONTRACTOR TO PROVIDE COMPLETE SET OF AS BUILT DRAWINGS WITHIN 10 WORKING DAYS OF PROJECT COMPLETION.
19. CONTRACTOR IS TO EXCAVATE 6" BELOW EXISTING GRADE AND SPRAY WITH WEED CONTROL. REPLACE WITH CLASS II AGGREGATE BASE AND CRUSHED WASHED ROCK. AS SPECIFIED ON SITE PLAN.
20. CONTRACTOR SHALL PROVIDE TOILET FACILITY DURING ALL PHASES OF CONSTRUCTION.
21. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OR THE FABRICATION OF MATERIALS TO BE INSTALLED AT THE SITE, THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS INCLUDING AS-BUILT DIMENSIONS OF EXISTING STRUCTURES OR STRUCTURAL ELEMENTS HAVING A BEARING ON THE SCOPE OF THE WORK TO BE PERFORMED. IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE DIMENSIONS OR CONDITIONS FOUND TO BE EXISTING IN THE FIELD, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND OBTAIN DESIGN RESOLUTION PRIOR TO PROCEEDING WITH THE PORTION(S) OF THE WORK AFFECTED. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO SO NOTIFY THE ENGINEER AND OBTAIN RESOLUTION BEFORE PROCEEDING.

NOTES FOR EXISTING AT&T CELL SITES:

1. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.
2. SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
3. THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK BY SUBCONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH CONTRACTOR. ALSO, WORK SHOULD BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.
4. SINCE THE CELL SITE IS ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE ADVISED TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.
5. SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWING. SUBCONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD NEW TRAYS AS NECESSARY. SUBCONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE CONTRACTOR.
6. SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.

at&t

1452 EDINGER AVE.
3RD FLOOR
TUSTIN, CA 92780

Eukon
an SFC Communications, Inc. Company
65 POST, SUITE 1000
IRVINE, CA 92618
TEL: (949) 553-8566
www.eukongroup.com

NOT FOR CONSTRUCTION

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

CONSTRUCTION DRAWINGS

SUBMITTALS

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

PROJECT INFORMATION

CLL05463

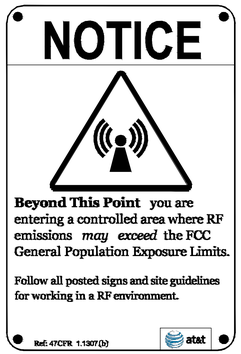
1700 N. TOWNE AVE.
CLAREMONT, CA 91711

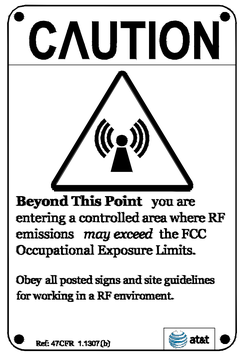
SHEET TITLE

GENERAL NOTES, LEGEND, AND ABBREVIATIONS

SHEET NUMBER

T-2

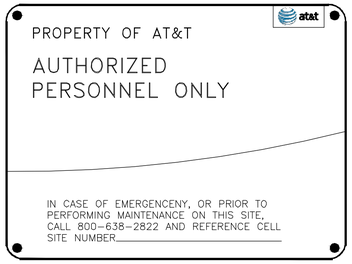




CAUTION SIGNS
NO SCALE

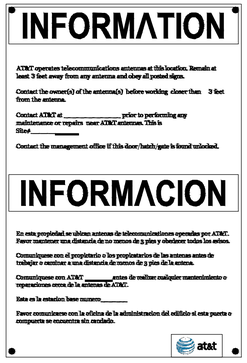
BATTERY
NO SCALE

CAUTION SIGN
NO SCALE

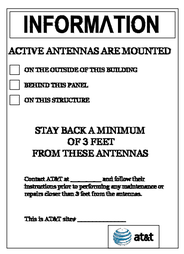


INFO SIGN #5
NO SCALE

INFO SIGN #3
NO SCALE



INFO SIGN #1
NO SCALE



INFO SIGN #2
NO SCALE

INFO SIGN #4
NO SCALE

GENERAL SIGNAGE GUIDELINES

STRUCTURE TYPE	INFO SIGN #1	INFO SIGN #2	INFO SIGN #3	INFO SIGN #4	INFO SIGN #5	STRIPING	NOTICE SIGN	CAUTION SIGN
TOWERS								
MONOPOLE / MONOPINE / MONOPALM / FAUX EUCALYPTUS / BROADLEAF	ENTRANCE GATES, SHELTER DOORS OR ON THE OUTDOOR CABINETS	ON THE POLE, NO LESS THAN 3FT BELOW THE ANTENNA AND NO	ON BACKSIDE OF ANTENNAS	ON THE SIDE OF ANTENNAS	ON THE SHELTER DOOR OR ON ONE OUTDOOR EQUIPMENT CABINET	--	--	AT THE HEIGHT OF THE FIRST CLIMBING STEP, MIN. 9FT ABOVE GROUND
SCE TOWERS / TOWERS WITH HIGH VOLTAGE	ENTRANCE GATES, SHELTER DOORS OR ON THE OUTDOOR CABINETS	ON THE POLE, NO LESS THAN 3FT BELOW THE ANTENNA AND NO	ON BACKSIDE OF ANTENNAS	ON THE SIDE OF ANTENNAS	ON THE SHELTER DOOR OR ON ONE OUTDOOR EQUIPMENT CABINET	--	--	AT THE HEIGHT OF THE FIRST CLIMBING STEP, MIN. 9FT ABOVE GROUND
LIGHT POLES / FLAG POLES	ENTRANCE GATES, SHELTER DOORS OR ON THE OUTDOOR CABINETS	ON THE POLE, NO LESS THAN 3FT BELOW THE ANTENNA AND NO	ON BACKSIDE OF ANTENNAS	ON THE SIDE OF ANTENNAS	ON THE SHELTER DOOR OR ON ONE OUTDOOR EQUIPMENT CABINET	--	--	--
UTILITY WOOD POLES (JPA)	ENTRANCE GATES, SHELTER DOORS OR ON THE OUTDOOR CABINETS	ON THE POLE, NO LESS THAN 3FT BELOW THE ANTENNA AND NO	ON BACKSIDE OF ANTENNAS	ON THE SIDE OF ANTENNAS	ON THE SHELTER DOOR OR ON ONE OUTDOOR EQUIPMENT CABINET	--	IF GP MAX VALUE OF MPE AT ANTENNA LEVEL IS: 0-99%: NOTICE SIGN; OVER 99%: CAUTION SIGN AT NO LESS THAT 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					EITHER NOTICE OR CAUTION SIGN (BASED ON ROOFVIEW RESULTS) AT ANTENNAS/BARRIER	
RADIATION AREA IS BEYOND 3FT FROM ANTENNA	X	ADJACENT TO EACH ANTENNA				DIAGONAL, YELLOW STRIPING AS TO ROOF VIEW GRAPH		
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

at&t

1452 EDINGER AVE.
3RD FLOOR
TUSTIN, CA 92780

Eukon
an SFC Communications, Inc. Company
65 POST, SUITE 1000
IRVINE, CA 92618
TEL: (949) 553-8566
www.eukongroup.com

NOT FOR CONSTRUCTION

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

CONSTRUCTION DRAWINGS

SUBMITTALS

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

PROJECT INFORMATION

CLL05463

1700 N. TOWNE AVE.
CLAREMONT, CA 91711

SHEET TITLE

GENERAL SIGNAGE

SHEET NUMBER

T-3

STATEMENT OF SPECIAL INSPECTIONS

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

SPECIAL INSPECTION NOTES:

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

at&t

1452 EDINGER AVE.
3RD FLOOR
TUSTIN, CA 92780

Eukon
an SFC Communications, Inc. Company
65 POST, SUITE 1000
IRVINE, CA 92618
TEL: (949) 553-8566
www.eukongroup.com

NOT FOR CONSTRUCTION

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

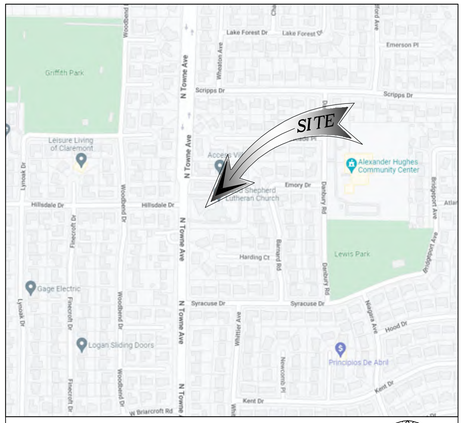
1700 N. TOWNE AVE.
CLAREMONT, CA 91711

SHEET TITLE

STATEMENT OF SPECIAL INSPECTIONS

SHEET NUMBER

T-4



VICINITY MAP

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:

1. 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.
2. ANY CHANGES MADE TO THE INFORMATION ON THIS PLAN, WITHOUT THE WRITTEN CONSENT OF CELLSITE CONCEPTS, RELIEVES CELLSITE CONCEPTS OF ANY AND ALL LIABILITY.
3. 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.
4. 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.
5. FIELD SURVEY COMPLETED ON **FEBRUARY 23, 2022.**

LEGAL DESCRIPTION

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

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

APN: 8303-010-043

SCHEDULE B (EXCEPTIONS)

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

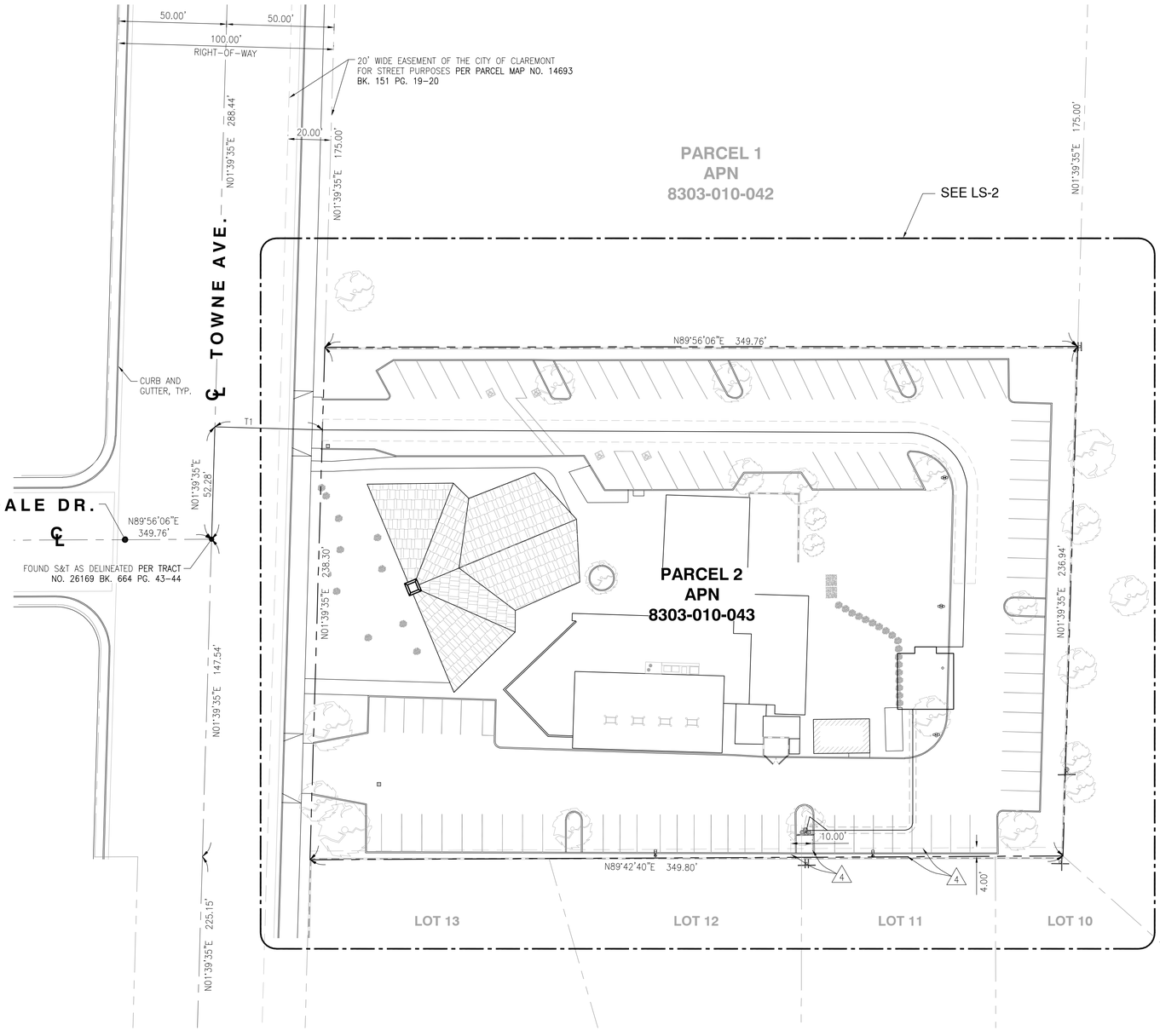
EASEMENTS:

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

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

PROPERTY LINES DERIVED FROM

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



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

LEGENDS

CENTER LINE
PROPERTY LINE
EASEMENT LINE

at&t
1452 EDINGER AVENUE
TUSTIN, CA 92780

Eukon
an SFC Communications, Inc. Company
65 POST, SUITE 1000
IRVINE, CA 92618
TEL: (949) 553-8566
www.eukongroup.com

cellsite 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

LICENSURE:

LICENSED LAND SURVEYOR
RAFI Y. HANNA
L.S. 8780
Exp. 12/31/26
STATE OF CALIFORNIA

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)

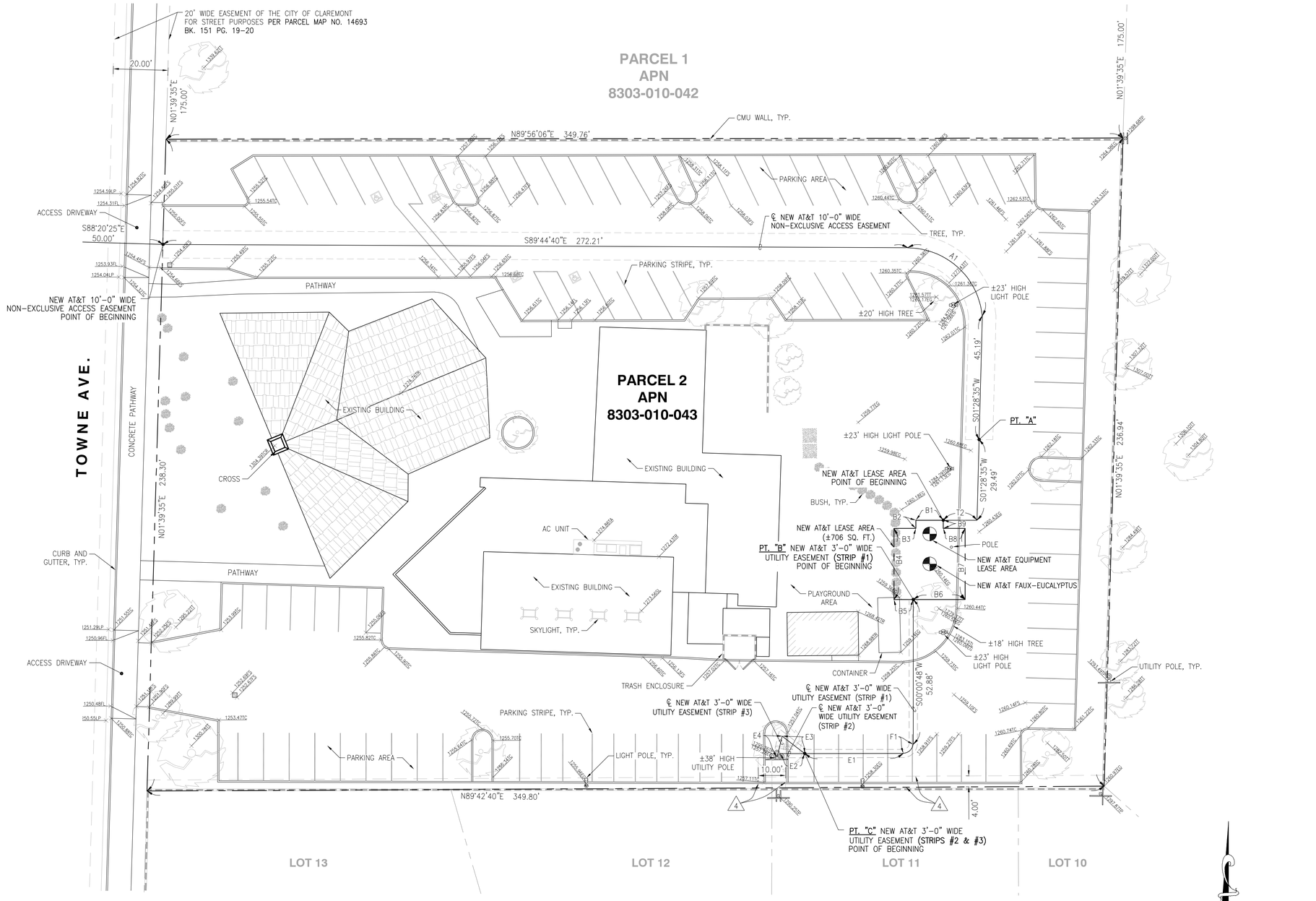
TIE LINE TABLE		
NO.	LENGTH	BEARING
T2	12.35'	N90°00'00"W

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

20' 0' 20' 40'

GRAPHIC SCALE: 1"=20'

at&t
1452 EDINGER AVENUE
TUSTIN, CA 92780

Eukon
an SFC Communications, Inc. Company
65 POST, SUITE 1000
IRVINE, CA 92618
TEL: (949) 553-8566
www.eukongroup.com

ellsite 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

LICENSURE:

LICENSED LAND SURVEYOR
RAFI Y. HANNA
Rafi Hanna
L.S. 8760
Exp. 12/31/26
04/07/25
STATE OF CALIFORNIA

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.

at&t
1452 EDINGER AVENUE
TUSTIN, CA 92780

Eukon
an SFC Communications, Inc. Company
65 POST, SUITE 1000
IRVINE, CA 92618
TEL: (949) 553-8566
www.eukongroup.com

ellsite 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

LICENSURE:

LICENSED LAND SURVEYOR
RAFI Y. HANNA
L.S. 8760
Exp. 12/31/26
04/07/25
STATE OF CALIFORNIA

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.

EXISTING TRANSMISSION POLE# 4328697E
OH CONDUCTOR 750V-22,500V
OH CONDUCTOR 66-300kV AND 750V-22,500 V
EXISTING SCE POLE# 1337000E
SECTOR "D" AZIMUTH: 310°
APN: 8303-010-042
EXISTING BUILDING
EXISTING ±84' HIGH TREE
EXISTING DRIVEWAY ACCESS
NEW AT&T NON-EXCLUSIVE ACCESS
50'-0"
50'-0"
100'-0"
9+00.00
TOWN AVE
℄
EXISTING ±14'-0" HIGH TREE
EXISTING BLOCK WALL
EXISTING ±9'-0" HIGH TREE
PROPERTY LINE
EXISTING SCE POLE# 1598406E
OH CONDUCTOR 0-750 V AND 750V-22,500 V
EXISTING ±13'-0" HIGH TREE
EXISTING BUILDING
NEW AT&T 10'-0" WIDE NON-EXCLUSIVE ACCESS EASEMENT
EXISTING PARKING LOT
EXISTING ±13'-0" HIGH TREE
EXISTING ±20'-5" HIGH TREE
EXISTING BLOCK WALL
EXISTING ±60'-2" HIGH TREE
EXISTING ±45'-6" HIGH TREE
EXISTING BUILDING
0+00.00
HILLSDALE DR.
℄
10+00.00
EXISTING BUILDING
6'-0"
6'-0"
PROPERTY LINE
148'-0" TO EXISTING BUILDING
EXISTING ±13'-0" HIGH TREE
EXISTING ±16'-0" HIGH TREE
EXISTING ±11'-0" HIGH TREE
NEW 5 GAL EUCALYPTUS TREE (TYP.- 2)
SECTOR "A" AZIMUTH: 40°
61'-9"
TO NEW EQUIPMENT AREA
10'-0"
NEW CLARA SHRUBS (TYP.- 44)
APN: 8303-010-043
EXISTING TRANSMISSION POLE# 1632564E
OH CONDUCTOR 750V
UG CONDUCTOR 750V-22,500 V
EXISTING ±43' HIGH TREE
NEW AT&T LEASE AREA (706 SQ. FT.)
EXISTING CONTAINER
6'-0"
10'-0"
117'-4" TO EXISTING BUILDING
EXISTING ±44'-6" HIGH TREE
EXISTING BUILDING
EXISTING ±24'-4" HIGH TREE
122'-11" TO EXISTING BUILDING
EXISTING ±23'-6" HIGH TREE
11+00.00
OH CONDUCTOR 0-750 V AND 750V-22,500 V
EXISTING ±37'-6" HIGH TREE
EXISTING ±48'-2" HIGH TREE
EXISTING PARKING LOT
NEW AT&T JOINT U/G POWER/FIBER CONDUIT RUN FROM EXISTING UTILITY POLE # 1654583E (APPROX. 150')
EXISTING ±18'-0" TREE
EXISTING EASEMENT [4] SEE LS-1
81'-6"
TO NEW EQUIPMENT AREA
125'-4" TO EXISTING BUILDING
EXISTING SCE POLE #1598407E
EXISTING BUILDING
143'-4" TO EXISTING BUILDING
147'-9" TO EXISTING BUILDING
EXISTING ±26'-2" HIGH TREE
EXISTING ±23'-5" HIGH TREE
EXISTING SCE POLE# 1598408E
EXISTING SCE POLE# 1598404E
OH CONDUCTOR 750V-22,500 V
EXISTING SCE POLE# 1337112E
EXISTING TRANSMISSION POLE# 4438436E
EXISTING BLOCK WALL
EXISTING ±22'-0" TREE
EXISTING UTILITY POLE #1654583E AND NEW RISER FOR AT&T POWER/FIBER CONDUIT
OH CONDUCTOR 750V - 22,500V
EXISTING EASEMENT [4] SEE LS-1
SECTOR "B" AZIMUTH: 130°
OH CONDUCTOR 750V-22,500 V
SECTOR "C" AZIMUTH: 220°
EXISTING SCE POLE# 1598405E
1 A-2 ENLARGED SITE PLAN
OH CONDUCTOR 0-750 V
EXISTING BUILDING
EXISTING BUILDING
EXISTING BUILDING
EXISTING BUILDING
0°
45°
90°
135°
180°
225°
270°
315°

EUKON_AT&T_90CD_MONOPOLE TEMPLATE_V2_11-18-22

SITE PLAN

SCALE 1"=20'-0"

20' 0 10' 20' 40' 80'

1

at&t

1452 EDINGER AVE.
3RD FLOOR
TUSTIN, CA 92780

Eukon
an SFC Communications, Inc. Company
65 POST, SUITE 1000
IRVINE, CA 92618
TEL: (949) 553-8566
www.eukongroup.com

NOT FOR CONSTRUCTION

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

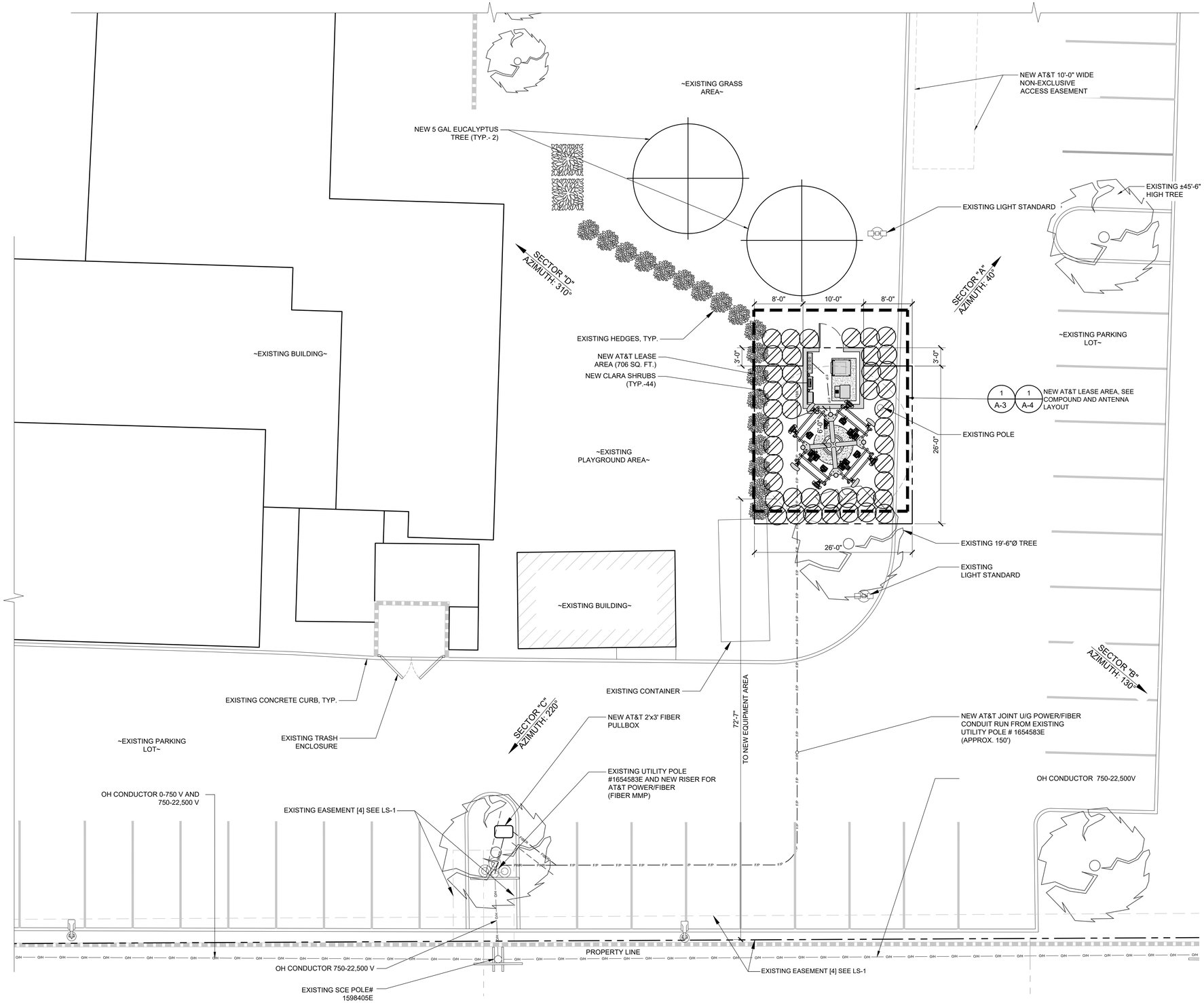
SITE PLAN

SHEET NUMBER

A-1

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

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



ENLARGED SITE PLAN

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

at&t

1452 EDINGER AVE.
3RD FLOOR
TUSTIN, CA 92780

Eukon
an SFC Communications, Inc. Company
65 POST, SUITE 1000
IRVINE, CA 92618
TEL: (949) 553-8566
www.eukongroup.com

NOT FOR CONSTRUCTION

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

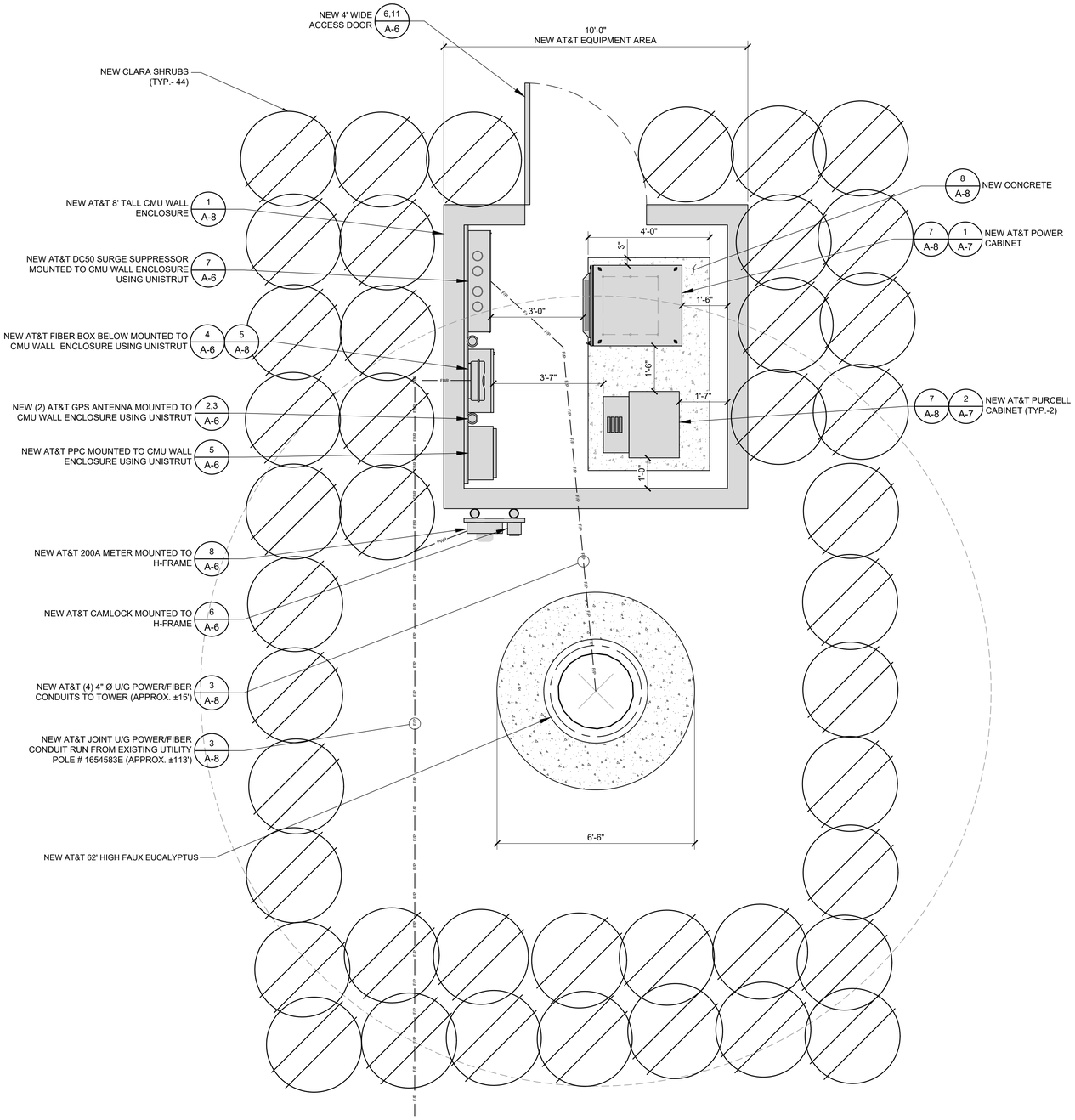
SHEET TITLE

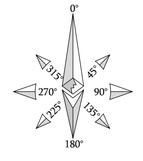
ENLARGED SITE PLAN

SHEET NUMBER

A-1.1

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





EQUIPMENT PLAN

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

1452 EDINGER AVE.
3RD FLOOR
TUSTIN, CA 92780

Eukon
an SFC Communications, Inc. Company
65 POST, SUITE 1000
IRVINE, CA 92618
TEL: (949) 553-8566
www.eukongroup.com

NOT FOR CONSTRUCTION

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

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	TRANSMISSION CABLE QTY.
ALPHA SECTOR	A1	LTE	CCI TPA-45R-KU8AA-K	8'-0"	40°	53'-0"	±75'	1 FIBER + 3 DC POWER
	A2	C-BAND	ERICSSON AIR6419 B77D	2'-7"	40°	55'-9"		
		C-BAND	ERICSSON AIR6419 B77G	2'-7"	40°	51'-8"		
	A3	LTE	CCI TPA-45R-KU8AA-K	8'-0"	40°	42'-0"	±65'	
	A4	LTE	CCI TPA-45R-KU8AA-K	8'-0"	40°	42'-0"		
BETA SECTOR	B1	C-BAND	ERICSSON AIR6449 B77D	2'-7"	130°	55'-9"	±75'	1 FIBER + 3 DC POWER
		C-BAND	ERICSSON AIR6419 B77G	2'-7"	130°	51'-8"		
	B2	LTE	CCI TPA-45R-KU8AA-K	8'-0"	130°	53'-0"		
	B3	LTE	CCI TPA-45R-KU8AA-K	8'-0"	130°	42'-0"	±65'	
	B4	LTE	CCI TPA-45R-KU8AA-K	8'-0"	130°	42'-0"		
GAMMA SECTOR	C1	LTE	CCI TPA-45R-KU8AA-K	8'-0"	220°	53'-0"	±75'	1 FIBER + 3 DC POWER
	C2	C-BAND	ERICSSON AIR6449 B77D	2'-7"	220°	55'-9"		
		C-BAND	ERICSSON AIR6419 B77G	2'-7"	220°	51'-8"		
	C3	LTE	CCI TPA-45R-KU8AA-K	8'-0"	220°	42'-0"	±65'	
	C4	LTE	CCI TPA-45R-KU8AA-K	8'-0"	220°	42'-0"		
DELTA SECTOR	D1	C-BAND	ERICSSON AIR6449 B77D	2'-7"	310°	55'-9"	±75'	1 FIBER + 3 DC POWER
		C-BAND	ERICSSON AIR6419 B77G	2'-7"	310°	51'-8"		
	D2	LTE	CCI TPA-45R-KU8AA-K	8'-0"	310°	53'-0"		
	D3	LTE	CCI TPA-45R-KU8AA-K	8'-0"	310°	42'-0"	±65'	
	D4	LTE	CCI TPA-45R-KU8AA-K	8'-0"	310°	42'-0"		

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	-	-	-	-	-
	A2	-	-	-	-	-
	A3	-	-	-	-	-
	A3	ERICSSON RRU 4494 B14/B29	±10'	16"	8"	0"
	A4	-	-	-	-	-
	A4	-	-	-	-	-
BETA SECTOR	B1	-	-	-	-	-
	B1	-	-	-	-	-
	B2	ERICSSON RRU 4490 B5/B12A	±10'	16"	8"	0"
	B2	ERICSSON RRU 4890 B25/B66	±10'	16"	8"	0"
	B3	-	-	-	-	-
	B3	-	-	-	-	-
	B4	-	-	-	-	-
	B4	ERICSSON RRU 4494 B14/B29	±10'	16"	8"	0"
GAMMA SECTOR	C1	ERICSSON RRU 4490 B5/B12A	±10'	16"	8"	0"
	C1	ERICSSON RRU 4890 B25/B66	±10'	16"	8"	0"
	C2	-	-	-	-	-
	C2	-	-	-	-	-
	C3	-	-	-	-	-
	C3	ERICSSON RRU 4494 B14/B29	±10'	16"	8"	0"
	C4	-	-	-	-	-
	C4	-	-	-	-	-
DELTA SECTOR	D1	-	-	-	-	-
	D1	-	-	-	-	-
	D2	ERICSSON RRU 4490 B5/B12A	±10'	16"	8"	0"
	D2	ERICSSON RRU 4890 B25/B66	±10'	16"	8"	0"
	D3	-	-	-	-	-
	D3	-	-	-	-	-
	D4	-	-	-	-	-
	D4	ERICSSON RRU 4494 B14/B29	±10'	16"	8"	0"

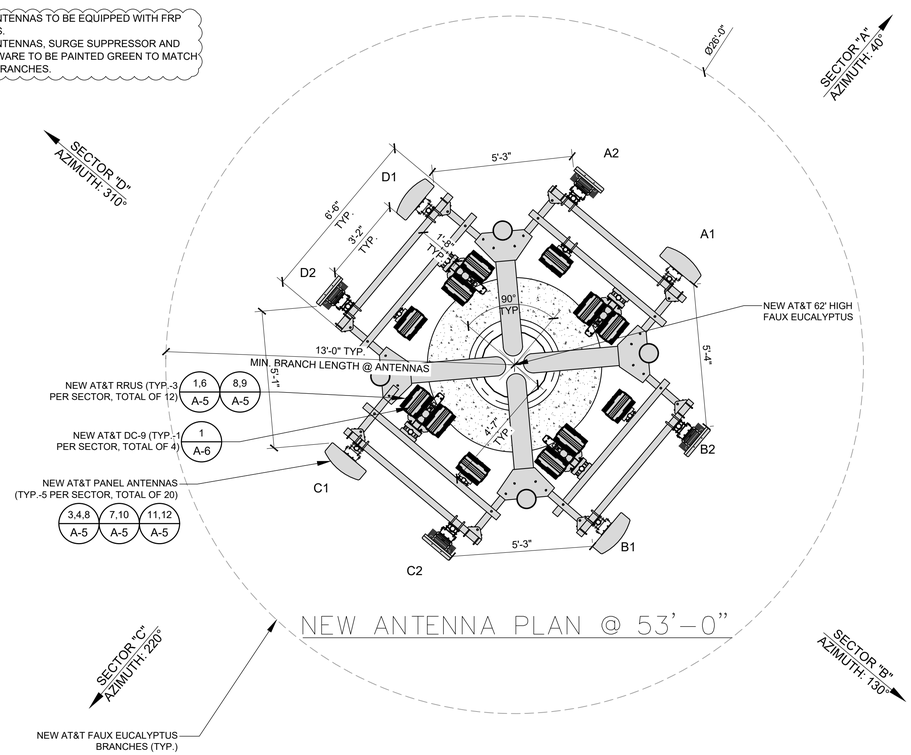
SURGE SUPPRESSION SYSTEM

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

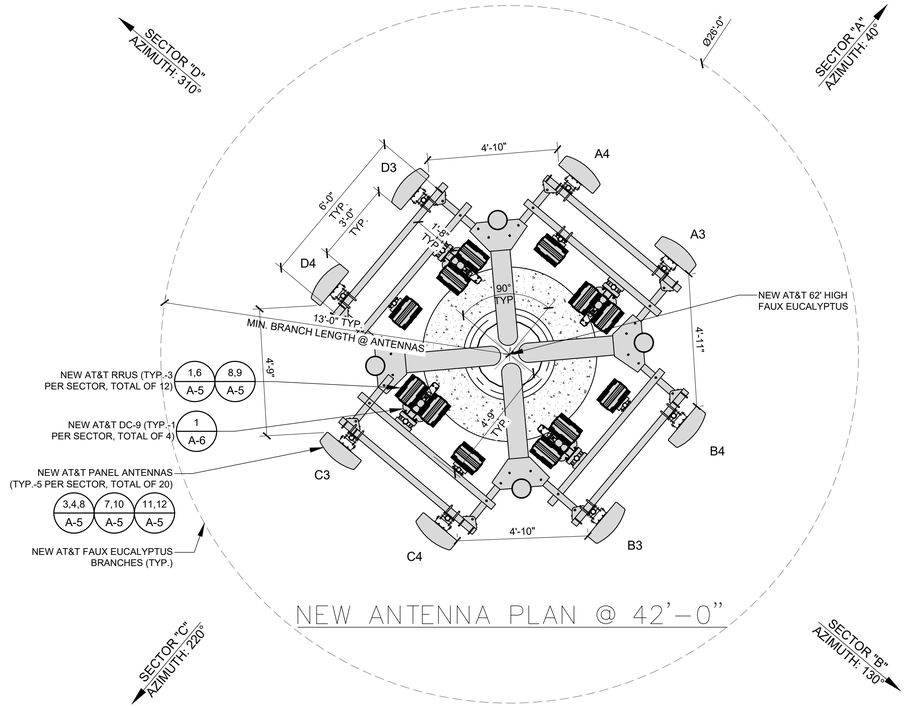
NOTES TO CONTRACTOR

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

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



NEW ANTENNA PLAN @ 53'-0"



NEW ANTENNA PLAN @ 42'-0"

at&t
1452 EDINGER AVE.
3RD FLOOR
TUSTIN, CA 92780

Eukon
an SFC Communications, Inc. Company
65 POST, SUITE 1000
IRVINE, CA 92618
TEL: (949) 553-8566
www.eukongroup.com

NOT FOR CONSTRUCTION

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

ANTENNA PLAN AND RRU SCHEDULE

SHEET NUMBER

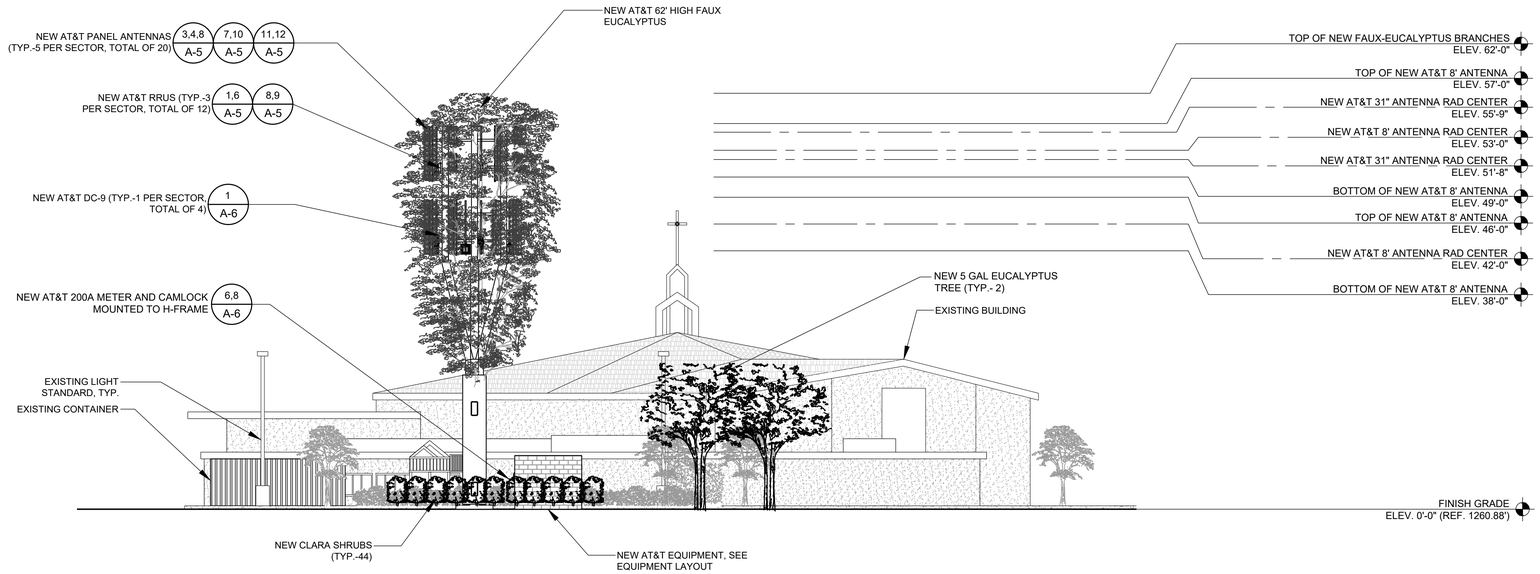
A-3

ANTENNA AND RRU SCHEDULE 2

ANTENNA PLAN 1

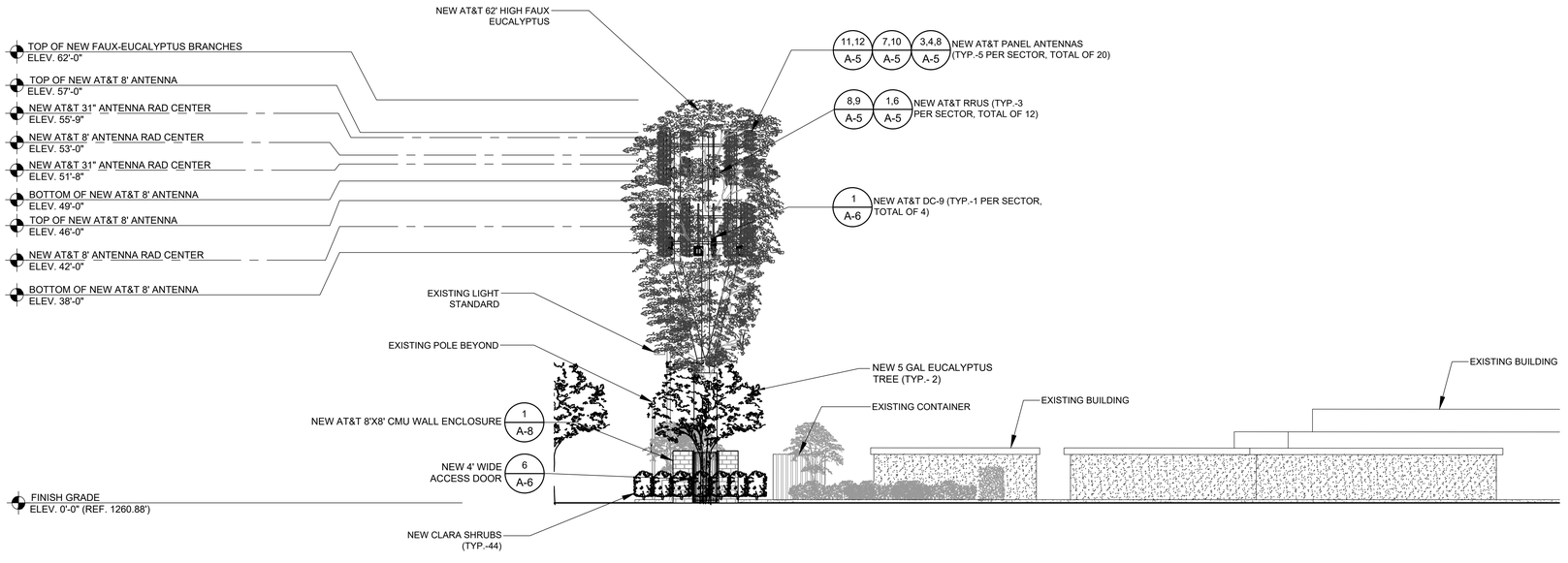
NOTES:
1. TOWER TO BE PAINTED AND TEXTURED TO MATCH EXISTING BUILDING.
2. PER CITY REQUIREMENT, ALL ARCHITECTURE FEATURES TO TIE INTO EXISTING CHURCH BUILDING AND WILL NOT HOUSE ANY EQUIPMENT.
3. ALL ANTENNAS TO BE EQUIPPED WITH FRP SOCKS.
4. ALL ANTENNAS, SURGE SUPPRESSOR AND HARDWARE TO BE PAINTED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

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



NEW EAST ELEVATION

SCALE 3/32"=1'-0" | 8' 0 4' 8' 16' 32' | 2



NEW NORTH ELEVATION

SCALE 3/32"=1'-0" | 8' 0 4' 8' 16' 32' | 1

1452 EDINGER AVE.
3RD FLOOR
TUSTIN, CA 92780

Eukon
an SFC Communications, Inc. Company
65 POST, SUITE 1000
IRVINE, CA 92618
TEL: (949) 553-8566
www.eukongroup.com

NOT FOR CONSTRUCTION

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

CONSTRUCTION DRAWINGS

SUBMITTALS

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

PROJECT INFORMATION

CLL05463

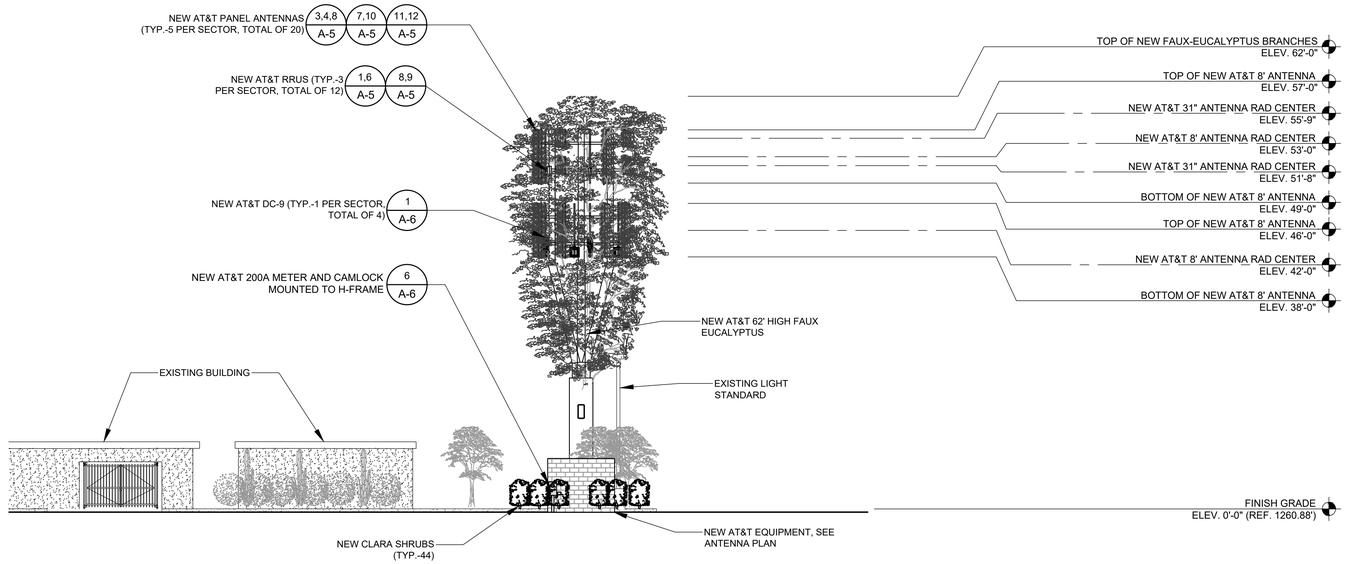
1700 N. TOWNE AVE.
CLAREMONT, CA 91711

SHEET TITLE
NEW EAST AND NORTH ELEVATIONS

SHEET NUMBER
A-4

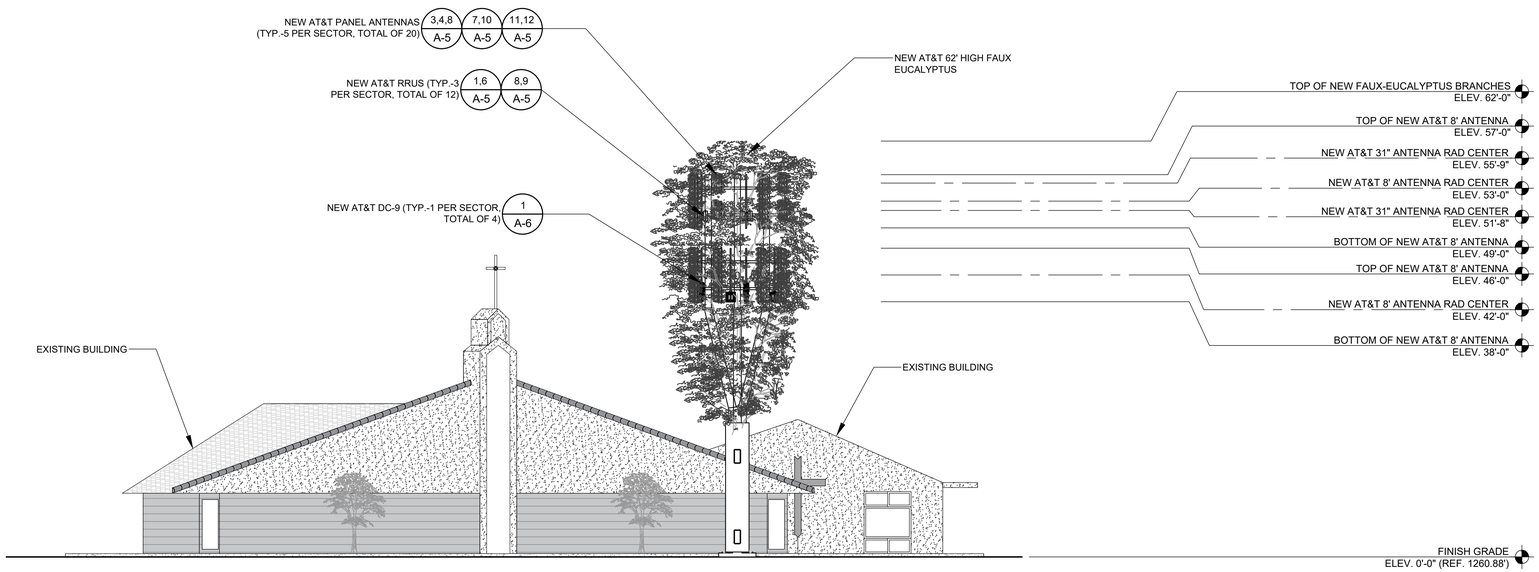
NOTES:
1. TOWER TO BE PAINTED AND TEXTURED TO MATCH EXISTING BUILDING.
2. PER CITY REQUIREMENT, ALL ARCHITECTURE FEATURES TO TIE INTO EXISTING CHURCH BUILDING AND WILL NOT HOUSE ANY EQUIPMENT.
3. ALL ANTENNAS TO BE EQUIPPED WITH FRP SOCKS.
4. ALL ANTENNAS, SURGE SUPPRESSOR AND HARDWARE TO BE PAINTED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

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



NEW SOUTH ELEVATION

SCALE 3/32"=1'-0" | 8' 0 4' 8' 16' 32' | 2



NEW WEST ELEVATION

SCALE 3/32"=1'-0" | 8' 0 4' 8' 16' 32' | 1

at&t

1452 EDINGER AVE.
3RD FLOOR
TUSTIN, CA 92780

Eukon
an SFC Communications, Inc. Company
65 POST, SUITE 1000
IRVINE, CA 92618
TEL: (949) 553-8566
www.eukongroup.com

NOT FOR CONSTRUCTION

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

CONSTRUCTION DRAWINGS

SUBMITTALS

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

PROJECT INFORMATION

CLL05463

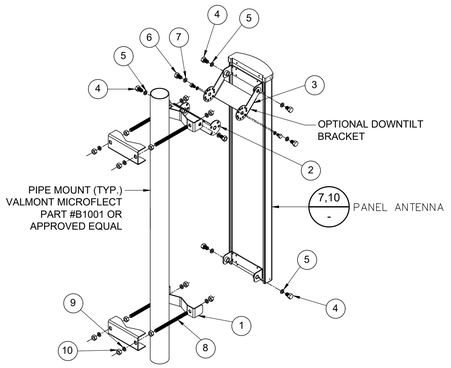
1700 N. TOWNE AVE.
CLAREMONT, CA 91711

SHEET TITLE

NEW WEST AND SOUTH ELEVATIONS

SHEET NUMBER

A-4.1



NOTES:

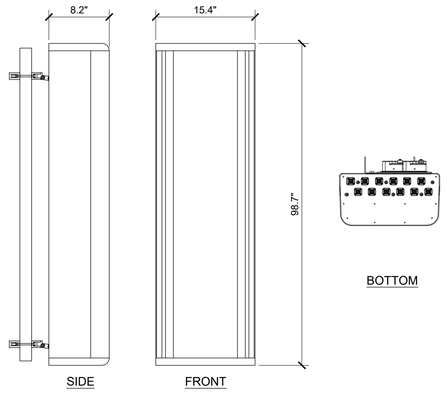
1. INSERT SCISSOR BRACKETS BETWEEN THE UPPER ANTENNA MOUNTING BRACKET AND THE UPPER POLE ADAPTER BRACKET. SECURE USING 1/2 INCH HARDWARE PROVIDED.
2. TO SET THE DEGREE OF DOWNTILT, ALIGN THE DESIRED HOLES ON THE SCISSOR BRACKETS AND SECURE USING 5/16 INCH HARDWARE PROVIDED.
3. THE NUMBER OF CONNECTORS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

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

ANTENNA MOUNTING | SCALE NONE | 12

CCI-TPA45R-KU8A

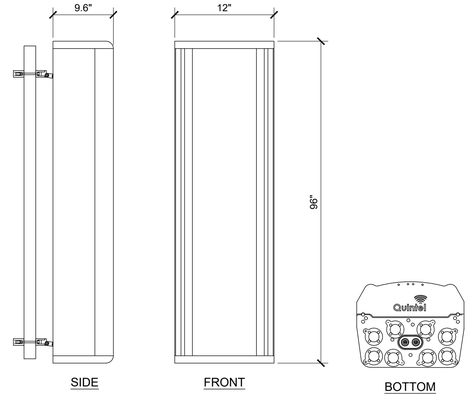
DIMENSIONS (LxWxD):	98.7 x 15.4 x 8.2 INCHES (2507 x 391 x 208 mm)
WEIGHT:	79.4lbs (36.0 kg)
SURVIVAL WIND SPEED:	150mph (241 kph)
FRONT WIND LOAD:	371 lbs (1650 N) @100mph (161 kph)
SIDE WIND LOAD:	225 lbs(1002 N) @100mph (161 kph)
EQUIVALENT FLAT PLATE AREA:	14.5 ft2 (1.3 m2)



ANTENNA SPECS | SCALE NONE | 10

QUINTEL - QS8658-3e

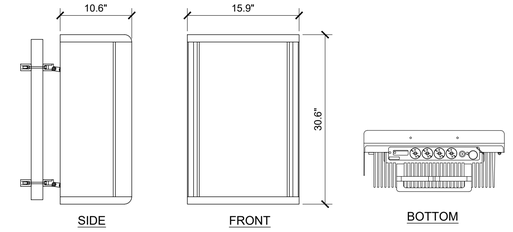
DIMENSIONS (LxWxD):	96.0in x 12in x 9.6in (2438mm x 304mm x 245mm)
WEIGHT WITH MOUNTING:	113.4 lbs (51.4 kg)
NO. OF CONNECTORS	8x 7/16 DIN FEMALE LONG NECK
MAX WIND SPEED:	150mph (67 m/s)
FRONT WIND LOAD :	352 N (79.2 lbs)
SIDE WIND LOAD:	695 N (156 lbs)



ANTENNA SPECS | SCALE NONE | 7

ERICSSON - AIR6449 N77D

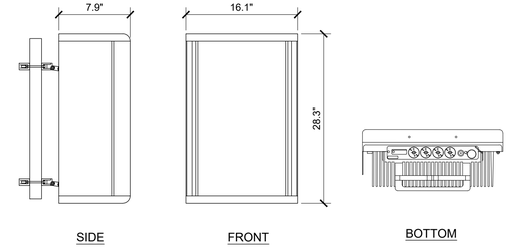
DIMENSIONS (LxWxD):	31 x 15.9 x 10.6 in
NET WEIGHT (WITHOUT MOUNTING):	83.8 lbs



ANTENNA SPECS | SCALE NONE | 4

ERICSSON - AIR6419 B77G

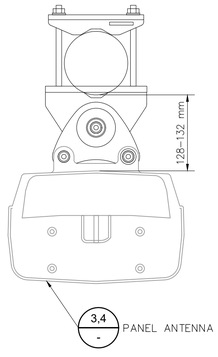
DIMENSIONS (LxWxD):	28.3 x 16.1 x 7.9 in
NET WEIGHT (WITHOUT MOUNTING):	66.1 lbs

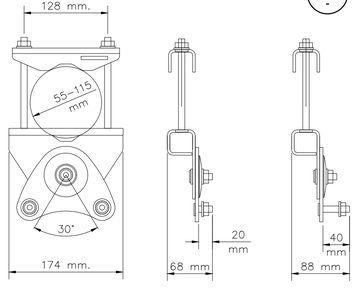


ANTENNA SPECS | SCALE NONE | 3

ERICSSON - AIR6449 N77 MOUNTING

TYPE NO.	85010070
NAME	AIR CLAMP KIT 55–115 mm
STATUS	BESTELLT
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.

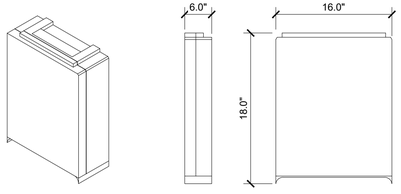




ANTENNA MOUNTING | SCALE NONE | 11

ERICSSON RRUS-4494 B14/B29

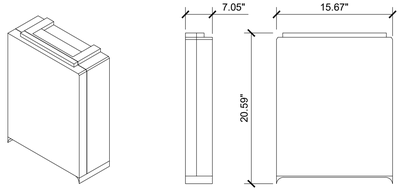
DIMENSIONS (LxWxD): 18.0in x 16.0in x 6.0in
WEIGHT W/ MOUNTING: 57.3 lbs



RADIO SPECS | SCALE NONE | 9

ERICSSON RRUS-4890 B25/B66

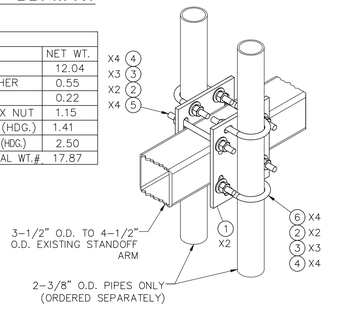
DIMENSIONS (LxWxD): 20.59in x 15.67in x 7.05in
WEIGHT W/ MOUNTING: 92.3 lbs



RADIO SPECS | SCALE NONE | 6

SITEPRO VALMONT - BBPM-K1

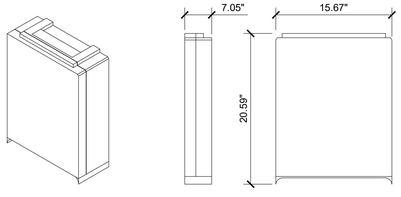
PARTS LIST		
ITEM	PART DESCRIPTION	NET WT.
1	CROSSOVER PLATE	12.04
2	1/2" HDG USS FLATWASHER	0.55
3	1/2" HDG LOCKWASHER	0.22
4	1/2" HDG HEAVY 2H HEX NUT	1.15
5	1/2"x8" THREADED ROD (HDG.)	1.41
6	1/2"x2-1/2"x4-1/2"x2" U-BOLT (HDG.)	2.50
	TOTAL WT.#	17.87



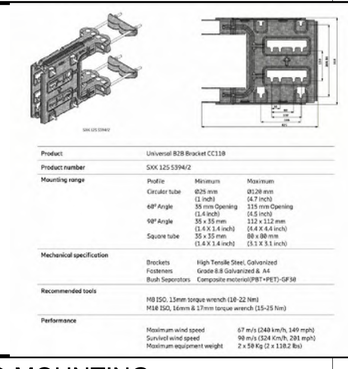
RADIO MOUNTING | SCALE NONE | 2

ERICSSON RRUS-4490 B5/B12

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



RADIO SPECS | SCALE NONE | 8



Product	Universal B2B Bracket CC11®		
Product number	SXK 125 5394/2		
Mounting range	Profile	Minimum	Maximum
	Circular tube	Ø25 mm (1 inch)	Ø120 mm (4.7 inch)
	68° Angle	35 mm Opening (1.4 inch)	115 mm Opening (4.5 inch)
	90° Angle	35 x 35 mm (1.4 X 1.4 inch)	112 x 112 mm (4.4 X 4.4 inch)
	Square tube	35 x 35 mm (1.4 X 1.4 inch)	88 x 88 mm (3.5 X 3.5 inch)
Mechanical specification	Brackets	High Tensile Steel, Galvanized	
	Fasteners	Grade 8.8 Galvanized & A4	
	Bush Separators	Composite material(PBT+PET)-GF30	
Recommended tools	M8 ISO, 15mm torque wrench (10-22 Nm) M10 ISO, 16mm & 17mm torque wrench (15-25 Nm)		
Performance	Maximum wind speed	67 m/s (240 km/h, 149 mph)	
	Survival wind speed	98 m/s (524 Km/h, 281 mph)	
	Maximum equipment weight	2 x 58 Kg (2 x 128.2 lbs)	

RADIO MOUNTING | SCALE NONE | 5

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

at&t

1452 EDINGER AVE.
3RD FLOOR
TUSTIN, CA 92780

Eukon
an SFC Communications, Inc. Company
65 POST, SUITE 1000
IRVINE, CA 92618
TEL: (949) 553-8566
www.eukongroup.com

NOT FOR CONSTRUCTION

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 DETAILS

SHEET NUMBER

A-5

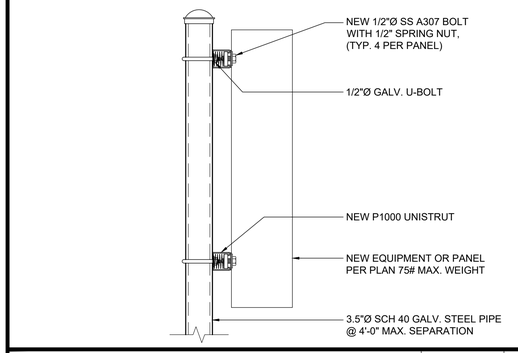
EUKON_AT&T_90CD_MONOPOLE TEMPLATE_V2_11-18-22

NOT USED

SCALE: NONE — 11

STEEL GATE FRAME TO CMU

SCALE: NONE — 10



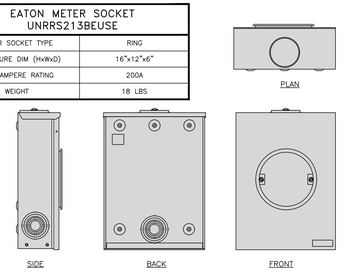
PANEL TO H-FRAME

SCALE: NONE — 9

200A METER SPECS

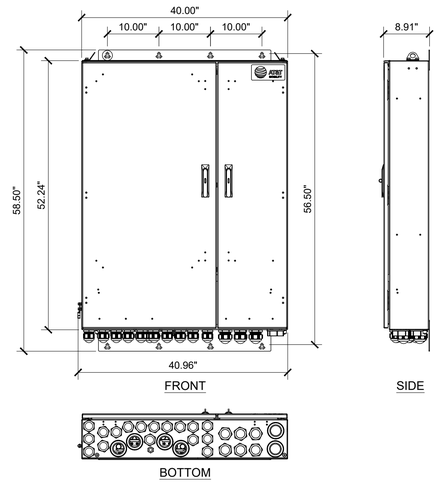
SCALE: NONE — 8

EATON METER SOCKET UNRRS213BEUSE	
METER SOCKET TYPE	RING
ENCLOSURE DIM (HxWxD)	16"x12"x6"
MAIN AMPERE RATING	200A
WEIGHT	18 LBS



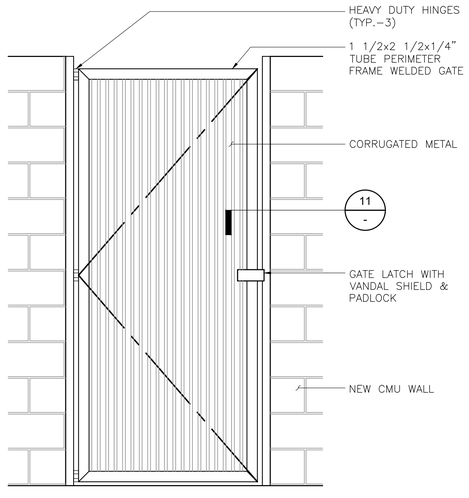
RAYCAP DC50-48-60-96-50F-CRD

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



SURGE SUPPRESSOR SPEC

SCALE: NONE — 7

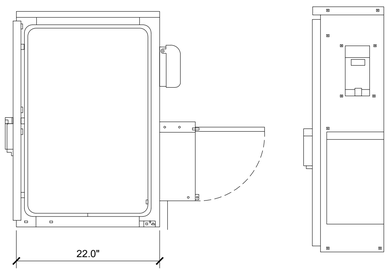


STEEL GATE AT CMU WALL

SCALE: NONE — 6

PTLC-MTS-12200-CL

DIMENSIONS (LxWxD):	32"X22"X11.25"
WEIGHT:	<100 lbs (45.0 kg)
ELECTRICAL:	200 A, SINGLE PHASE
VOLTAGE:	120/240
LOAD CENTER:	SQUARE D, QO SERIES, 30 CIRCUITS
CONVENIENCE RECEPTACLE:	EXTERNAL 20–A OUTLET FOR GFCI
SUPPRESSION:	STRIKESORB 40–A, 120 V MODULES



ELECTRICAL PANEL SPEC

SCALE: NONE — 5

NOT USED

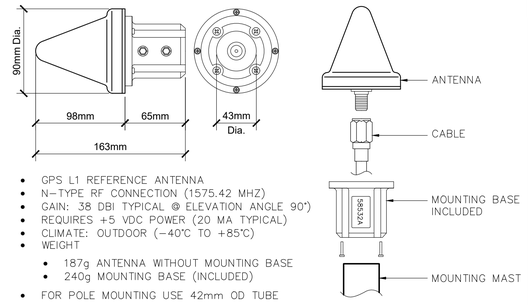
SCALE: NONE — 5

NVENT HOFFMAN ATC48R369

DIMENSIONS (LxWxD):	48.0"x36.0x9.0"
WEIGHT:	140 lbs
RATING/CERTIFICATION:	UL50/UL50E LISTED; NEMA TYP 3R

TELCO BOX DETAIL

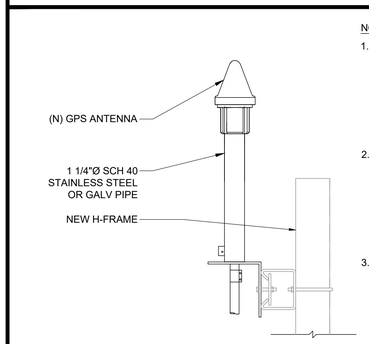
SCALE: NONE — 4



- GPS L1 REFERENCE ANTENNA
- N–TYPE RF CONNECTION (1575.42 MHZ)
- GAIN: 38 DBI TYPICAL @ ELEVATION ANGLE 90°)
- REQUIRES +5 VDC POWER (20 MA TYPICAL)
- CLIMATE: OUTDOOR (–40°C TO +85°C)
- WEIGHT
  - 187g ANTENNA WITHOUT MOUNTING BASE
  - 240g MOUNTING BASE (INCLUDED)
- FOR POLE MOUNTING USE 42mm OD TUBE

GPS ANTENNA SPEC

SCALE: NONE — 3



NOTES:

1. LOCATION OF ANTENNA MUST HAVE CLEAR VIEW OF SOUTHERN SKY AND CANNOT HAVE ANY BLOCKAGES EXCEEDING 25% OF THE SURFACE AREA OF A HEMISPHERE AROUND THE GPS ANTENNA.
2. ALL GPS ANTENNA LOCATIONS MUST BE ABLE TO RECEIVE CLEAR SIGNALS FROM A MINIMUM OF FOUR (4) SATELLITES. VERIFY WITH HANDHELD GPS BEFORE FINAL LOCATION OF GPS ANTENNA.
3. THE ANTENNA SHOULD NOT BE LOCATED WITHIN 3FT. OF ANY METALLIC WALLS OR OBJECTS IN ANY RADIAL DIRECTION OF THE DUAL BAND OMNI SECTION.

GPS ANTENNA MOUNTING

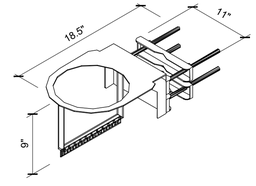
SCALE: NONE — 2

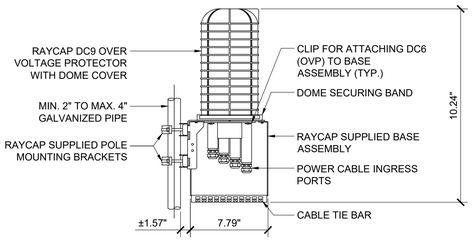
RAYCAP DC9-48-60-24-8C-EV

DIMENSIONS (LxWxD):	198x260 mm (7.79"x10.24")
NOMINAL OPERATING VOLTAGE:	48 VDC
NOMINAL DISCHARGE CURRENT:	20 kA 8/20 s
MAXIMUM DISCHARGE CURRENT:	60 kA 8/20 s
MAXIMUM CONTINUOUS OPERATING VOLTAGE:	75 VAC
VOLTAGE PROTECTION RATING:	330V
WIND LOADING	150 MPH (SUSTAINED) 195 MPH (GUST)
TOTAL WEIGHT:	26.2 LBS.

NOTES:

RAYCAP VIA AT&T SUPPLIES THE DC6 OVER VOLTAGE PROTECTOR AND PIPE MOUNTING BRACKETS. SUBCONTRACTOR SHALL SUPPLY THE PIPE.





SURGE SUPPRESSOR SPEC

SCALE: NONE — 1

at&t

1452 EDINGER AVE.
3RD FLOOR
TUSTIN, CA 92780

Eukon
an SFC Communications, Inc. Company
65 POST, SUITE 1000
IRVINE, CA 92618
TEL: (949) 553-8566
www.eukongroup.com

NOT FOR CONSTRUCTION

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 DETAILS

SHEET NUMBER

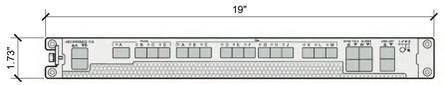
A-6

NOT USED

SCALE: NONE — 7

ERICSSON BASEBAND - 6651

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



BASEBAND UNIT SPECS

SCALE: NONE — 5

PURCELL CABINET - 66010D FLX21

MECHANICAL SPECSIFICATIONS:
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

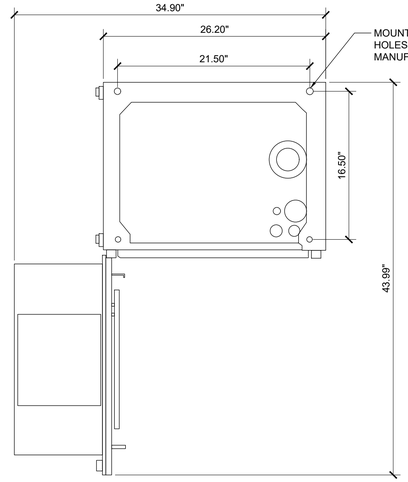
WEIGHT: 140 LBS EMPTY
250 LBS FULL

SAFETY:
ENCLOSURE: UL508A

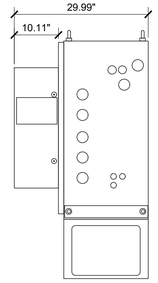
ENVIRONMENTAL:
OPERATING TEMPERATURE: -40°F TO 115°F (-40°C TO 46°C) CONTINUOUS OPERATIONS

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

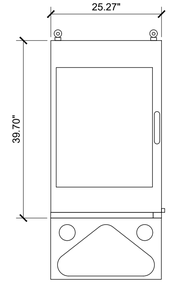
THERMAL SOLUTIONS:
POWER CHAMBER: 1600 WATTS



BOTTOM VIEW
MOUNTING BOLT PATTERN



SIDE ELEVATION



FRONT ELEVATION

NOT USED

SCALE: NONE — 6

BASEBAND UNIT SPECS

SCALE: NONE — 4

ERICSSON BASEBAND R503 XMU - BASEBAND AUXILARY MULTIPLEXING UNIT

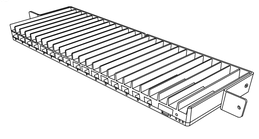
MECHANICAL SPECIFICATIONS:
DIMENSIONS: 1.22"H x 11"D x 13.8"W

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)



DATA CABINET

SCALE: NONE — 2

NOT USED

SCALE: NONE — 3

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

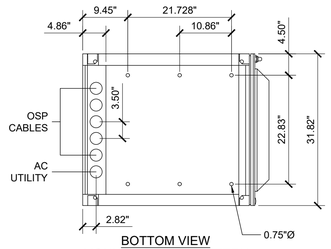
TERMINAL BLOCK: 12 POSITION PHOENIX ALARM BLOCK
32 POSITION PHOENIX ALARM BUNCHING BLOCK

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

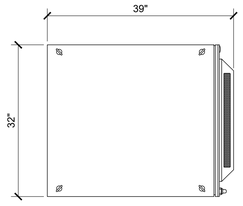
ENCLOSURE: GR-487, UL 60950, AND SEISMIC ZONE 4 COMPLIANT

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

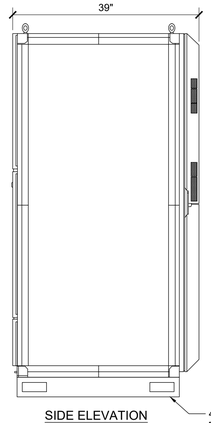
WEIGHT: 752 LBS.



BOTTOM VIEW
MOUNTING BOLT PATTERN

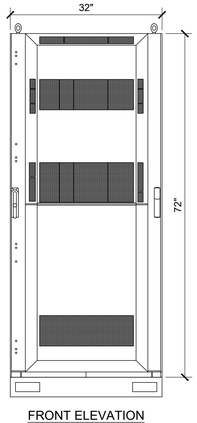


PLAN VIEW



SIDE ELEVATION

4" PLINTH ADDED TO BASE OF CABINET



FRONT ELEVATION

POWER PLANT CABINET

SCALE: NONE — 1

at&t

1452 EDINGER AVE.
3RD FLOOR
TUSTIN, CA 92780

Eukon
an SFC Communications, Inc. Company
65 POST, SUITE 1000
IRVINE, CA 92618
TEL: (949) 553-8566
www.eukongroup.com

NOT FOR CONSTRUCTION

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

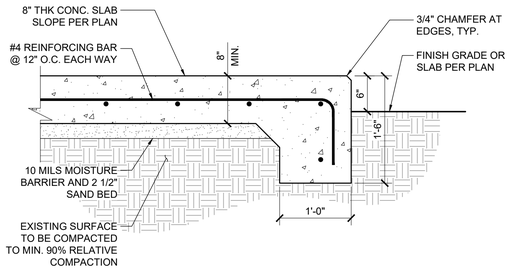
1700 N. TOWNE AVE.
CLAREMONT, CA 91711

SHEET TITLE

EQUIPMENT DETAILS

SHEET NUMBER

A-7



CONCRETE AND REINFORCING STEEL NOTES:

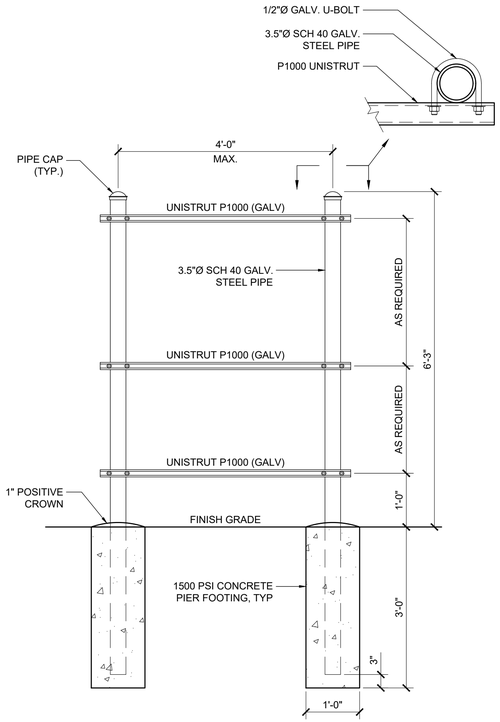
1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A184, ASTM A185 AND THE DESIGN AND CONSTRUCTION SPECIFICATION PER CAST-IN-PLACE CONCRETE.
2. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS, UNLESS NOTED OTHERWISE.
3. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPLICES SHALL BE CLASS "B" AND ALL HOOKS SHALL BE STANDARD, UNO.
4. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:

   CONCRETE CAST AGAINST EARTH .....3 IN.
   CONCRETE EXPOSED TO EARTH OR WEATHER:
   #6 AND LARGER
   #5 AND SMALLER & WWF.....1 1/2 IN.
   CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR NOT CAST AGAINST THE GROUND:
   PAD AND WALL.....3/4 IN.
   BEAMS AND COLUMNS.....1 1/2 IN.

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

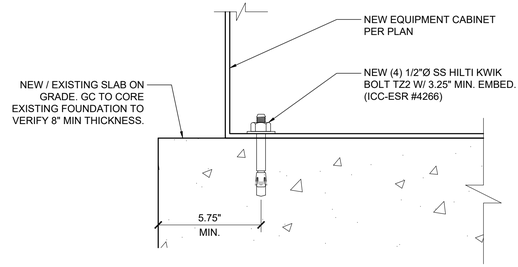
CONCRETE SLAB DETAIL

SCALE	
NONE	8



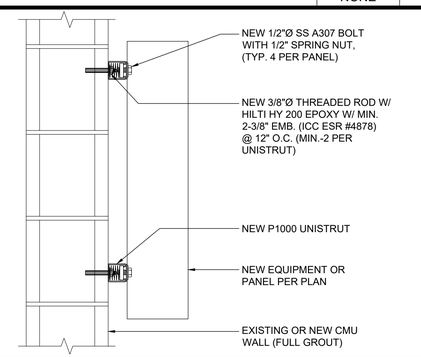
UTILITY H-FRAME

SCALE	
NONE	5



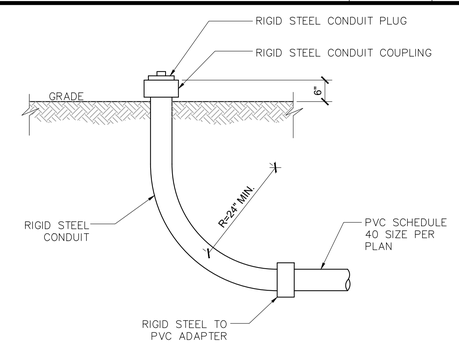
EQUIPMENT ANCHORAGE

SCALE	
NONE	7



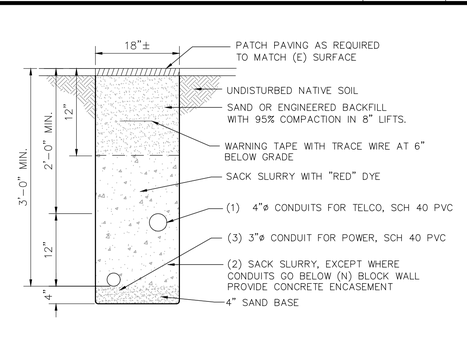
PANEL MOUNTING

SCALE	
NONE	4



STUB-UP DETAIL

SCALE	
NONE	6



UTILITY TRENCH

SCALE	
NONE	3

NOT USED

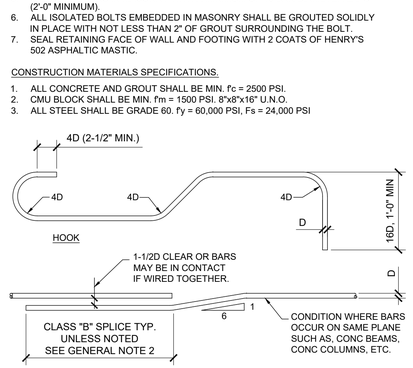
SCALE	
NONE	2

CONCRETE MASONRY BLOCK

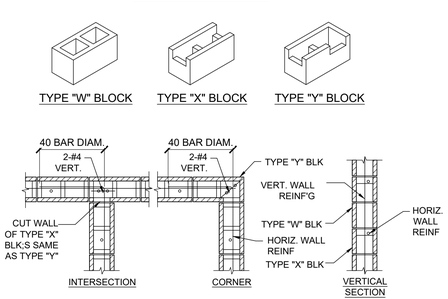
1. MASONRY UNITS FOR HOLLOW UNIT MASONRY SHALL COMPLY WITH SECTION 2103 OF THE CBC. CONSTRUCTION SHALL COMPLY WITH CHAPTER 21 OF THE CBC AND LOCAL CODES. MASONRY SHALL BE LAID IN STRAIGHT UNIFORM COURSES IN RUNNING BOND. JOINTS SHALL BE TOOLED CONCAVE AND BE UNIFORM IN SIZE. TIE INTERSECTING WALLS BY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

CONSTRUCTION MATERIALS SPECIFICATIONS.

1. ALL CONCRETE AND GROUT SHALL BE MIN. f'c = 2500 PSI.
2. CMU BLOCK SHALL BE MIN. f'm = 1500 PSI. 8"x8"x16" U.N.O.
3. ALL STEEL SHALL BE GRADE 60. fy = 60,000 PSI, Fs = 24,000 PSI

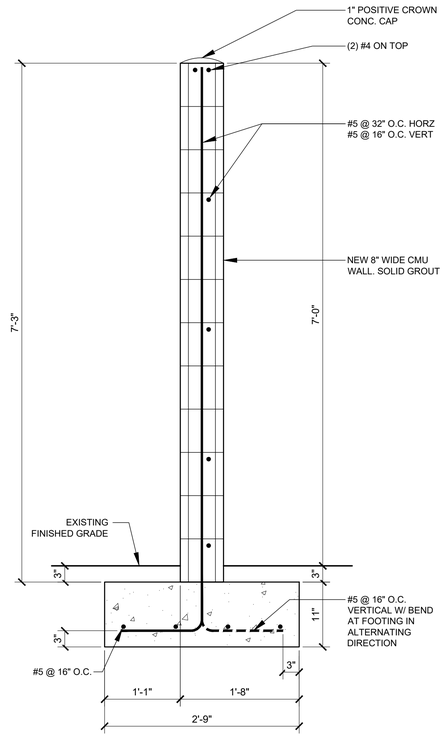


REINF. BENDING DETAIL



NOTES

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



CMU WALL DETAIL

SCALE	
NONE	1

at&t
1452 EDINGER AVE.
3RD FLOOR
TUSTIN, CA 92780

Eukon
an SFC Communications, Inc. Company
65 POST, SUITE 1000
IRVINE, CA 92618
TEL: (949) 553-8566
www.eukongroup.com

NOT FOR CONSTRUCTION

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

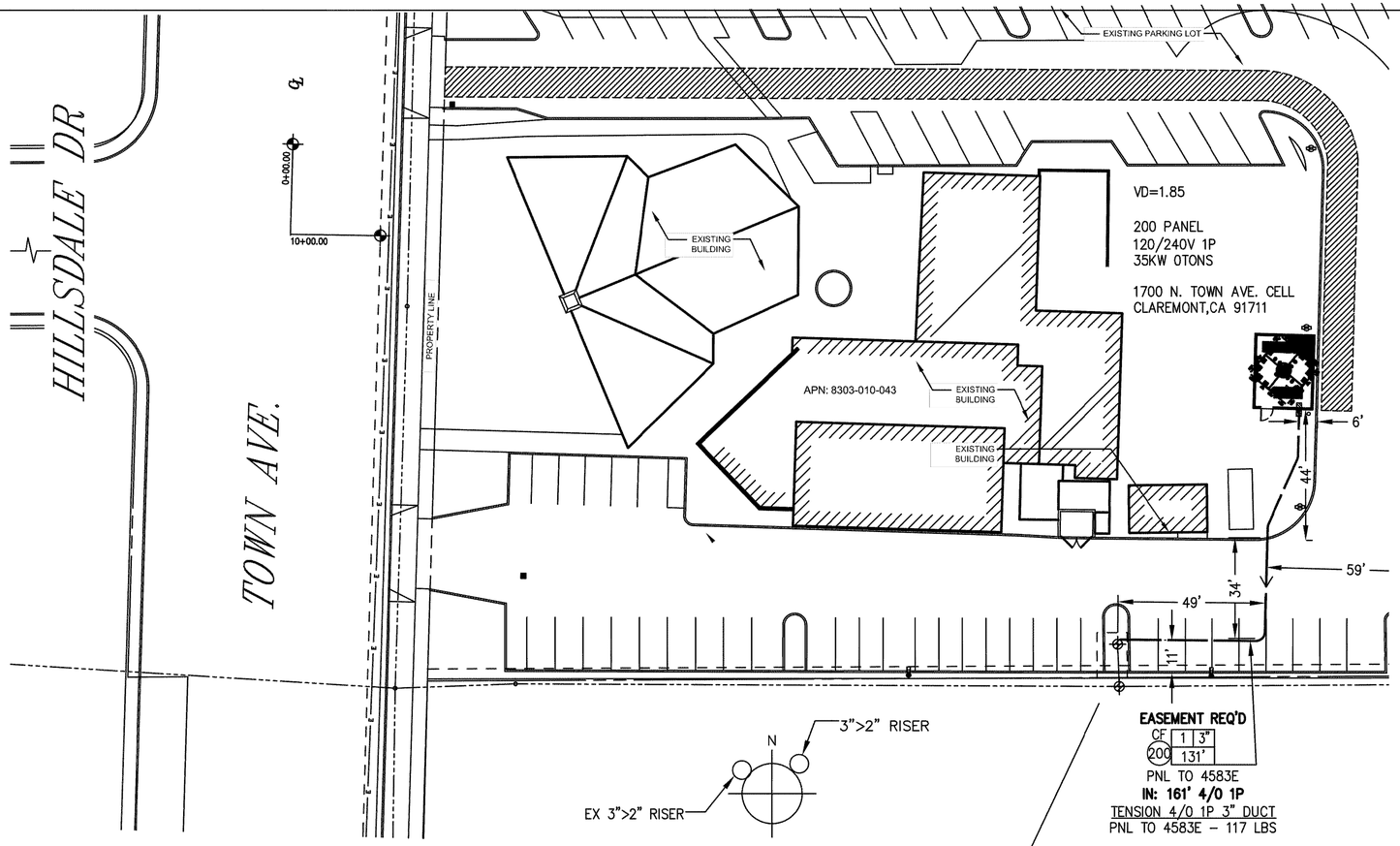
1700 N. TOWNE AVE.
CLAREMONT, CA 91711

SHEET TITLE

CONSTRUCTION DETAILS

SHEET NUMBER

A-8



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

D16: Rev. 05/28/20

T.L.M. DATA: 1654583E				
	SIZE	KVA	CUST	% LOAD
EXIST.	100	48.9	1	48.9%
PROP.	100	90.1	2	90.1%

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

D27: REV. 12/10/21

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

EX: 2-25KVA & 1-50KVA 12KV 120/240 1P

PROJECT REQUIREMENTS (Y/N)

EDISON EASEMENT REQUIRED	Y
PWRD 88 REQUIRED	N
UG CIVIL ONLY WORK ORDER	N
PERMIT REQUIRED	N
PERMIT TYPE: _____	
OUTAGE REQUIRED	N
OUTAGE DATE: _____ TIME: _____	
TRAFFIC CONTROL REQUIRED	N
PED. TRAFFIC CONTROL REQ'D	N
CONVEYANCE LETTER REQ'D	N
ENVIRONMENTAL REQUIREMENTS DOCUMENT (ERD) REQUIRED	N
CSD 140 (TLM) REQ'D	N
DIG ALERT APP	Y
VERIFIED ACTIVE AND CONFIRMED USA TICKETS	☐
UTILIQUEST NOTIFIED	☐

STANDARD ADHERENCE: 1 Q/ 23 Y

D124: Rev. 10/12/21

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

FINAL DESIGN
APPROVED FOR CONSTRUCTION

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		ASSOC DESGN: 1583101
CIRCUIT / VOLTAGE: FORBES 12KV		GPS	PRODUCT-2		ASSOC DESGN
SUB / PG NO.: LIVE OAK		CIRCUIT CODE: 06634	PRODUCT-3		ASSOC DESGN
INVENTORY MAP: 155–4366–5		J.P.A. NO.			
F	01/17/23	C. ANDRADE	W. WITCHELL	K. QUINONEZ	63055
TYPE	DATE	APPROVED BY	CHECKED BY	DRAWN BY	PAX #

Southern California Edison Company

PROPOSED CONSTRUCTION (LOCATION)
AT&T MOBILITY SITE #CLL05463
1700 N TOWNE AVE
CLAREMONT CA 91711

SHEET: 2 OF 2
DESIGN\DRWG NO.: 1583101_0.01

FILE NAME:1583101_0.01.DWG SAVE DATE:1/23/2023 12:29 PM SAVED BY:QUINONKM

EUKON_AT&T_90CD_MONOPOLE TEMPLATE_V2_11-18-22

at&t
1452 EDINGER AVE.
3RD FLOOR
TUSTIN, CA 92780

Eukon
an SFC Communications, Inc. Company
65 POST, SUITE 1000
IRVINE, CA 92618
TEL: (949) 553-8566
www.eukongroup.com

NOT FOR CONSTRUCTION

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

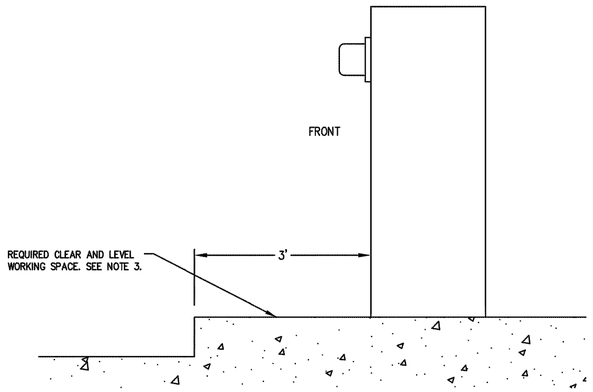
SHEET TITLE

UTILITY DESIGN

SHEET NUMBER

UD-1

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



SIDE VIEW

NOTES:

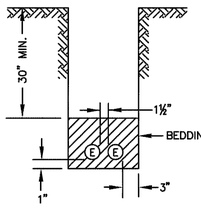
1. A MINIMUM OF THREE (3) FEET OF CLEAR, LEVEL WORK SPACE IS REQUIRED IN FRONT OF ALL TERMINATION, METERING, AND SERVICE EQUIPMENT.
2. SEE ESR–5 FOR METER–MOUNTING HEIGHT REQUIREMENTS. METER MOUNTING HEIGHT WILL BE MEASURED FROM THE STANDING AND WORKING SPACE TO THE CENTERLINE OF THE METER(S).
3. WHEN SERVICE EQUIPMENT IS INSTALLED ON AN ELEVATED PORTION OF THE FLOOR/GROUND, OR HOUSEKEEEPING 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.
4. 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.
5. 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.

D99: 10/26/20

TYPICAL CONDUIT BANK SECTION
SEE UGS CD 120



DIRECT BURIAL
SIMILAR CONSTRUCTION FOR FEWER CONDUIT
2 CONDUITS MAX.

D81: Rev. 09/23/09

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.

WARNING

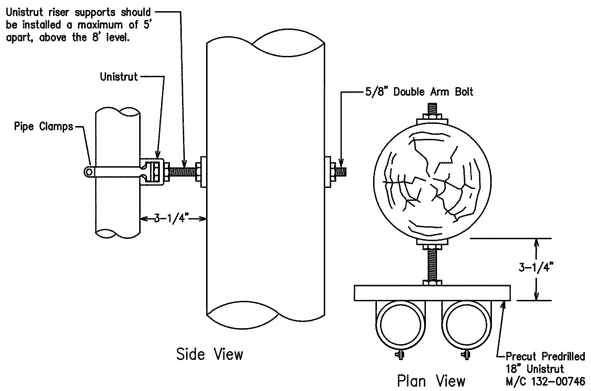
THE EXCAVATOR MUST TAKE ALL STEPS NECESSARY TO AVOID CONTACT WITH UNDERGROUND FACILITIES WHICH MAY RESULT IN INJURY TO PERSONS OR DAMAGE TO FACILITIES IN THE AREA. THE INDICATED LOCATIONS OF EDISON UNDERGROUND FACILITIES, AS PROVIDED, ARE BELIEVED TO BE ACCURATE, HOWEVER, THE FINAL DETERMINATION OF EXACT 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
(200) – (599) SERVICE CONDUIT
(600) – (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):
1. 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.

1.0 APPLICATION
The unistrut shown in Figure CR 110–5 (Sheet 3) is the preferred method where multiple risers are required.

2.0 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. 02/18/11

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

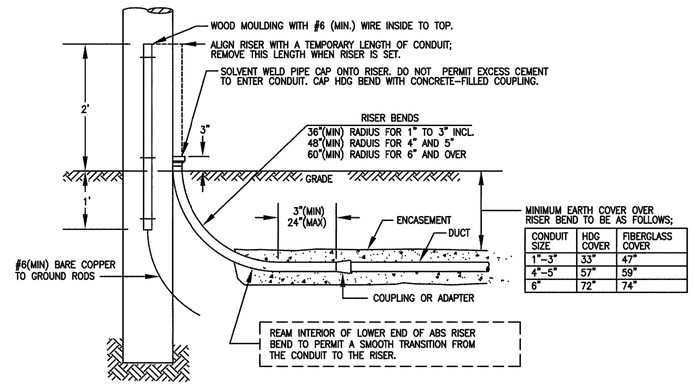
NOTE:
ALL ELECTRICAL DUCTS AND STRUCTURES WILL CONFORM TO GENERAL ORDER #128 (RULES FOR CONSTRUCTION OF UNDERGROUND ELECTRICAL SUPPLY AND COMMUNICATION PRESCRIBED BY THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA, JANUARY 2006).

CONNECTING TO EXISTING SCE STRUCTURES

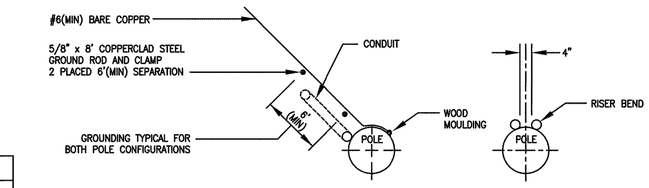
- Per SCE requirements, customers are not allowed to enter, intercept or tie–in to existing SCE facilities; e.g. structures, equipment, multi–conduit runs/banks, or conductors. These facilities may be energized and the work will only be performed by SCE. Contact the appropriate SCE inspector to schedule 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



CONDUIT SIZE	HDG COVER	FIBERGLASS COVER
1"–3"	33"	47"
4"–5"	57"	59"
6"	72"	74"



1. 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	X	X
HDG	X	X	X	X	X	X	X	X

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

2. 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.
3. 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.
4. ENCASEMENT REQUIRED ONLY WHEN CALLED OUT ON WORKING DRAWING.
5. 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

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		ASSOC DESGN: 1583101
CIRCUIT / VOLTAGE: FORBES 12KV		GPS	PRODUCT–2		ASSOC DESGN
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		

TYPE	DATE	APPROVED BY	CHECKED BY	DRAWN BY	PAX #
F	01/17/23	C. ANDRADE	W. WITCHELL	K. QUINONEZ	63055

Southern California Edison Company

SHEET: 1 OF 2
DESIGN\DRWG NO.: 1583101_0.01

at&t
1452 EDINGER AVE.
3RD FLOOR
TUSTIN, CA 92780

Eukon
an SFC Communications, Inc. Company
65 POST, SUITE 1000
IRVINE, CA 92618
TEL: (949) 553–8566
www.eukongroup.com

NOT FOR CONSTRUCTION

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

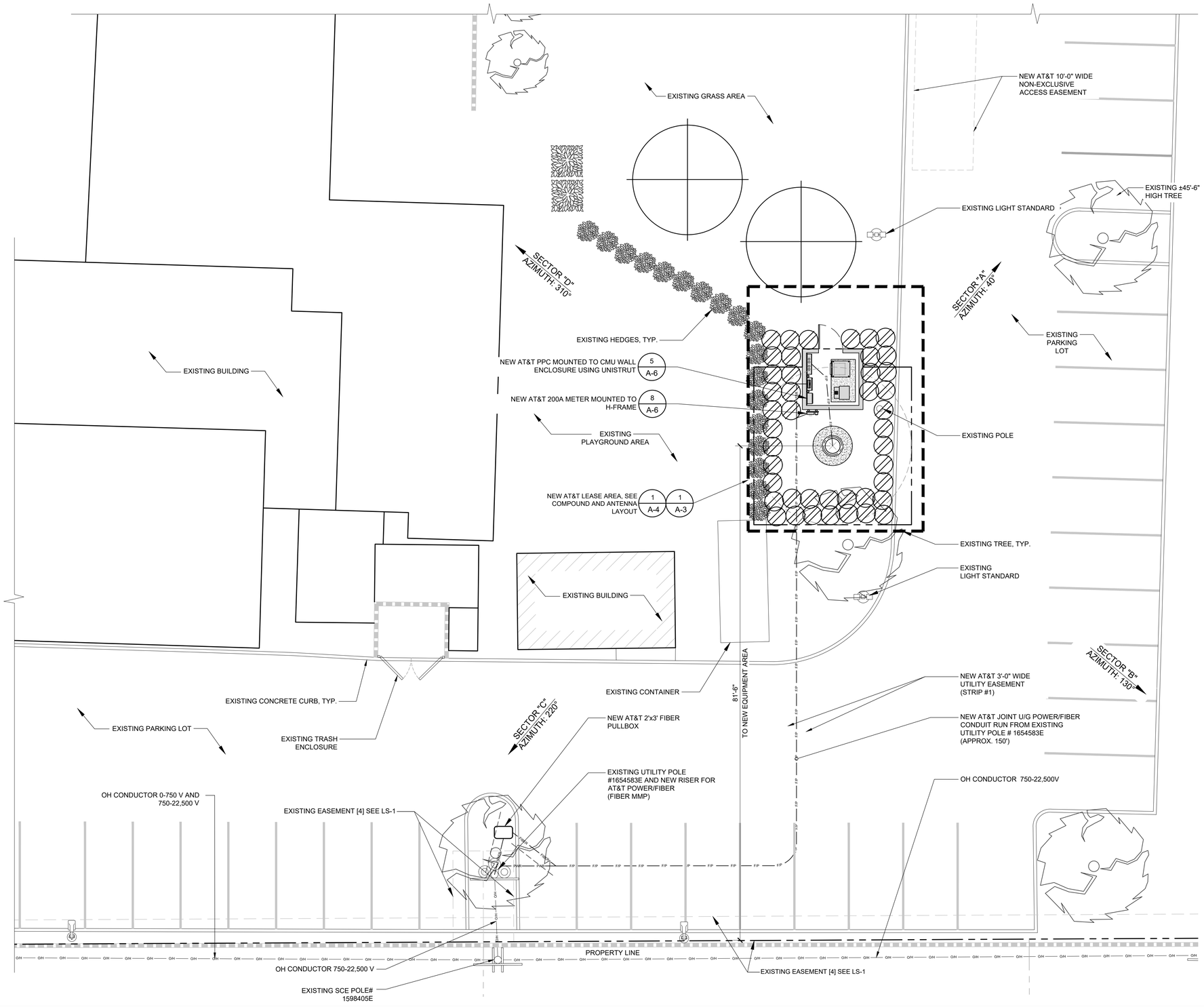
SHEET TITLE

UTILITY DESIGN

SHEET NUMBER

UD-2

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



ELECTRICAL SITE PLAN

SCALE 1/8"=1'-0" — 8' 0 4' 8' 16' 32'

1

EUKON_AT&T_90CD_MONOPOLE TEMPLATE_V2_11-18-22

at&t

1452 EDINGER AVE.
3RD FLOOR
TUSTIN, CA 92780

Eukon
an SFC Communications, Inc. Company
65 POST, SUITE 1000
IRVINE, CA 92618
TEL: (949) 553-8566
www.eukongroup.com

NOT FOR CONSTRUCTION

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

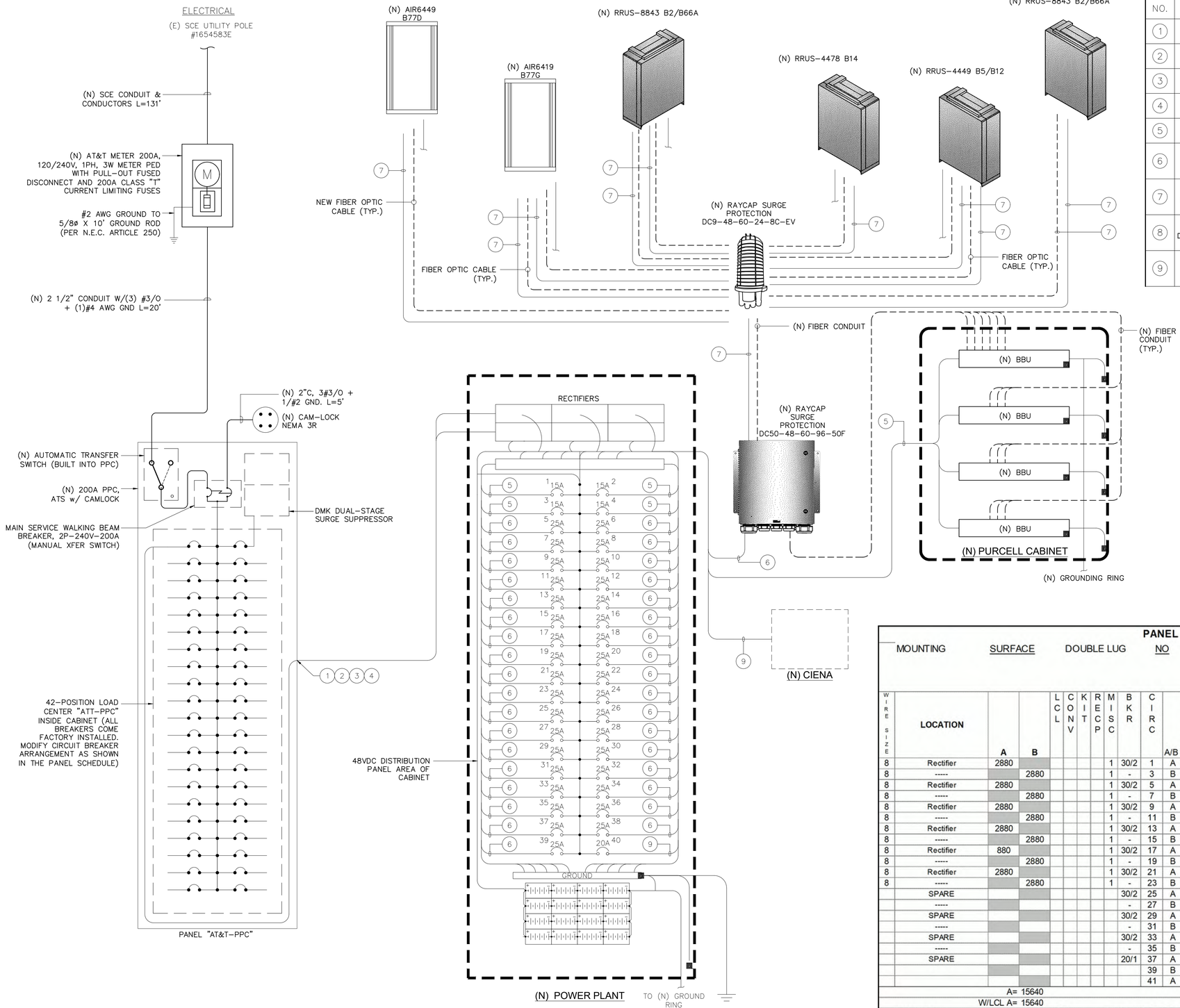
SHEET TITLE

ELECTRICAL SITE PLAN

SHEET NUMBER

E-1

TYPICAL PER SECTOR



CIRCUIT SCHEDULE

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

PANEL PPC

MOUNTING: SURFACE — DOUBLE LUG: NO — VOLTS: 120|240 — PHASE: 1 — WIRE: 3 — MAIN: 200A/2P — BUS: 200A — A.I.C.: 42K SERIES W/ MAIN

WIRE SIZE	LOCATION	A	B	LCL	CONV	KIT	RECP	MISC	BKR	CIRC	A/B	CIRC	BKR	MISC	RECP	KIT	CONV	LCL	A	B	LOCATION	WIRE SIZE
8	Rectifier	2880						1	30/2	1	A	2	30/2	1							Surge Suppressor	
8	-----		2880					1	-	3	B	4	-	1							-----	
8	Rectifier	2880						1	30/2	5	A	6	20/2	1							SPARE	
8	-----		2880					1	-	7	B	8	-	1							-----	
8	Rectifier	2880						1	30/2	9	A	10	20/1		1				360		GFCI RECEPTACLES	12
8	-----		2880					1	-	11	B	12	20/1					1		500	EXTERIOR LTG	12
8	Rectifier	2880						1	30/2	13	A	14	20/1								SPARE	
8	-----		2880					1	-	15	B	16									SPACE	
8	Rectifier	880						1	30/2	17	A	18									SPACE	
8	-----		2880					1	-	19	B	20									SPACE	
8	Rectifier	2880						1	30/2	21	A	22									SPACE	
8	-----		2880					1	-	23	B	24									SPACE	
	SPARE								30/2	25	A	26									SPACE	
	-----								-	27	B	28									SPACE	
	SPARE								30/2	29	A	30									SPACE	
	-----								-	31	B	32									SPACE	
	SPARE								30/2	33	A	34									SPACE	
	-----								-	35	B	36									SPACE	
	SPARE								20/1	37	A	38									SPACE	
										39	B	40									SPACE	
										41	A	42									SPACE	

	A= 15640					B= 17780	
	W/LCL A= 15640					W/LCL B= 17905	
TOTAL VA=	33420	W/LCL= 33545	W/LCL AMPS= **140**	TOTAL LCL=	500	X.25 = 125	
HIGH PHASE VA=	17780	W/LCL= 17780	HIGH PH AMPS= **148**	HIGH PHASE LCL=	0	X.25 = 0	

at&t
1452 EDINGER AVE.
3RD FLOOR
TUSTIN, CA 92780

Eukon
an SFC Communications, Inc. Company
65 POST, SUITE 1000
IRVINE, CA 92618
TEL: (949) 553-8566
www.eukongroup.com

NOT FOR CONSTRUCTION

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

SINGLE LINE DIAGRAM / PANEL SCHEDULE

SHEET NUMBER

E-2

NOT USED

2

GENERAL REQUIREMENTS

A. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST RULES AND REGULATIONS OF THE NATIONAL ELECTRIC CODE AND ALL STATE AND LOCAL CODES. NOTHING IN THESE PLANS OR SPECIFICATIONS SHALL BE CONSTRUED AS TO PERMIT WORK NOT CONFORMING TO THE MOST STRINGENT OF THESE CODES. SHOULD CHANGES BE NECESSARY IN THE DRAWINGS OR SPECIFICATIONS TO MAKE THE WORK COMPLY WITH THESE REQUIREMENTS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING AND CEASE WORK ON PARTS OF THE CONTRACT WHICH ARE AFFECTED.

B. THE CONTRACTOR SHALL MAKE A SITE VISIT PRIOR TO BIDDING AND CONSTRUCTION TO VERIFY ALL EXISTING CONDITIONS AND SHALL NOTIFY THE ARCHITECT IMMEDIATELY UPON DISCOVERY OF ANY DISCREPANCIES. THE CONTRACTOR ASSUMES ALL LIABILITY FOR FAILURE TO COMPLY WITH THIS PROVISION.

C. THE EXTENT OF THE WORK IS INDICATED BY THE DRAWINGS, SCHEDULES, AND SPECIFICATIONS AND IS SUBJECT TO THE TERMS AND CONDITIONS OF THE CONTRACT. THE WORK SHALL CONSIST OF FURNISHING ALL LABOR, EQUIPMENT, MATERIALS AND SUPPLIES NECESSARY FOR A COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM. THE WORK SHALL ALSO INCLUDE THE COMPLETION OF ALL ELECTRICAL WORK NOT MENTIONED OR SHOWN WHICH ARE NECESSARY FOR SUCCESSFUL OPERATION OF ALL SYSTEMS.

D. THE CONTRACTOR SHALL PREPARE A BID FOR A COMPLETE AND OPERATIONAL SYSTEM, WHICH INCLUDES THE COST FOR MATERIAL AND LABOR.

E. WORKMANSHIP AND NEAT APPEARANCE SHALL BE AS IMPORTANT AS THE OPERATION. DEFECTIVE OR DAMAGED MATERIALS SHALL BE REPLACED OR REPAIRED PRIOR TO FINAL ACCEPTANCE IN A MANNER ACCEPTABLE TO OWNER AND ENGINEER.

F. COMPLETE THE ENTIRE INSTALLATION AS SOON AS THE PROGRESS OF THE WORK WILL PERMIT. ARRANGE ANY OUTAGE OF SERVICE WITH THE OWNER AND BUILDING MANAGER IN ADVANCE. MINIMIZE DOWNTIME ON THE BUILDING ELECTRICAL SYSTEM.

G. THE ENTIRE ELECTRICAL SYSTEM INSTALLED UNDER THIS CONTRACT SHALL BE DELIVERED IN PROPER WORKING ORDER. REPLACE, WITHOUT ADDITIONAL COST TO THE OWNER, ANY DEFECTIVE MATERIAL AND EQUIPMENT WITHIN ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE.

H. ANY ERROR, OMISSION OR DESIGN DISCREPANCY ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION OR CORRECTION BEFORE CONSTRUCTION.

I. "PROVIDE": INDICATES THAT ALL ITEMS ARE TO BE FURNISHED, INSTALLED AND CONNECTED IN PLACE.

J. CONTRACTOR SHALL SECURE ALL NECESSARY BUILDING PERMITS AND PAY ALL REQUIRED FEES.

EQUIPMENT LOCATION

A. THE DRAWINGS INDICATE DIAGRAMMATICALLY THE DESIRED LOCATIONS OR ARRANGEMENTS OF CONDUIT RUNS, OUTLETS, EQUIPMENT, ETC., AND ARE TO BE FOLLOWED AS CLOSELY AS POSSIBLE. PROPER JUDGMENT MUST BE EXERCISED IN EXECUTING THE WORK SO AS TO SECURE THE BEST POSSIBLE INSTALLATION IN THE AVAILABLE SPACE AND TO OVERCOME LOCAL DIFFICULTIES DUE TO SPACE LIMITATIONS OR INTERFERENCE OF STRUCTURE CONDITIONS ENCOUNTERED.

B. IN THE EVENT CHANGES IN THE INDICATED LOCATIONS OR ARRANGEMENTS ARE NECESSARY, DUE TO FIELD CONDITIONS IN THE BUILDING CONSTRUCTION OR REARRANGEMENT OF FURNISHINGS OR EQUIPMENT, SUCH CHANGES SHALL BE MADE WITHOUT COST, PROVIDING THE CHANGE IS ORDERED BEFORE THE CONDUIT RUNS, ETC., AND WORK DIRECTLY CONNECTED TO THE SAME IS INSTALLED AND NO EXTRA MATERIALS ARE REQUIRED.

C. LIGHTING FIXTURES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS ONLY. COORDINATE THE FIXTURE LOCATION WITH MECHANICAL EQUIPMENT TO AVOID INTERFERENCE.

D. COORDINATE THE WORK OF THIS SECTION WITH THAT OF ALL OTHER TRADES. WHERE CONFLICTS OCCUR, CONSULT WITH THE RESPECTIVE CONTRACTOR AND COME TO AGREEMENT AS TO CHANGES NECESSARY. OBTAIN WRITTEN ACCEPTANCE FROM ENGINEER FOR THE PROPOSED CHANGES BEFORE PROCEEDING.

SHOP DRAWINGS

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

SUBSTITUTIONS

A. NO SUBSTITUTIONS ARE ALLOWED.

TESTS

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

PERMITS

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

GROUNDING

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

B. CONDUITS CONNECTED TO EQUIPMENT AND DEVICES SHALL BE METALLICALLY JOINED TOGETHER TO PROVIDE EFFECTIVE ELECTRICAL CONTINUITY.

C. FEEDERS AND BRANCH CIRCUIT WIRING INSTALLED IN A NONMETALLIC CONDUIT SHALL INCLUDE A CODE SIZED GROUNDING CONDUCTOR HAVING GREEN INSULATION. THE GROUND CONDUCTOR SHALL BE PROPERLY CONNECTED AT BOTH ENDS TO MAINTAIN ELECTRICAL CONTINUITY.

D. REFER TO GROUND BUS DETAILS. PROVIDE NEW GROUND SYSTEM COMPLETE WITH CONDUCTORS, GROUND ROD AND DESCRIBED TERMINATIONS.

E. ALL GROUNDING CONDUCTORS SHALL BE SOLIDINNED COPPER AND ANNEALED #2 UNLESS NOTED OTHERWISE.

F. ALL NON-DIRECT BURIED TELEPHONE EQUIPMENT GROUND CONDUCTORS SHALL BE #2 STRANDED, THHN (GREEN) INSULATION.

G. ALL GROUND CONNECTIONS SHALL BE MADE WITH "HYGROUND" COMPRESSION SYSTEM BURNDY CONNECTORS EXCEPT WHERE NOTED OTHERWISE.

H. PAINT AT ALL GROUND CONNECTIONS SHALL BE REMOVED.

I. GROUNDING SYSTEM RESISTANCE SHALL NOT EXCEED 5 OHMS. IF THE RESISTANCE VALUE IS EXCEEDED, NOTIFY THE OWNER FOR FUTURE INSTRUCTION ON METHODS FOR REDUCING THE RESISTANCE VALUE. SUBMIT TEST REPORTS AND FURNISH TO SMART SMR ONE COMPLETE SET OF PRINTS SHOWING "INSTALLED WORK".

UTILITY SERVICE

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

B. CONFORM TO ALL REQUIREMENTS OF THE SERVING UTILITY COMPANIES.

PRODUCTS

A. ALL MATERIALS SHALL BE NEW, CONFORMING WITH THE NEC, ANSI, NEMA, AND THEY SHALL BE U.L. LISTED AND LABELED.

B. CONDUIT

1. RIGID CONDUIT SHALL BE U.L. LABEL GALVANIZED ZINC COATED WITH ZINC INTERIOR AND SHALL BE USED WHEN INSTALLED IN OR UNDER CONCRETE SLABS, IN CONTACT WITH THE EARTH, UNDER PUBLIC ROADWAYS, IN MASONRY WALLS OR EXPOSED ON BUILDING EXTERIOR, RIGID CONDUIT IN CONTACT WITH EARTH SHALL BE 1/2 LAPPED WRAPPED WITH HUNTS WRAP PROCESS NO. 3.

2. ELECTRICAL METALLIC TUBING SHALL HAVE U.L. LABEL, FITTINGS SHALL BE COMPRESSION TYPE. EMT SHALL BE USED ONLY FOR INTERIOR RUNS.

3. FLEXIBLE METALLIC CONDUIT SHALL HAVE U.L. LISTED LABEL AND MAY BE USED WHERE PERMITTED BY CODE. FITTINGS SHALL BE "JAKE" OR "SQUEEZE" TYPE. SEAL TIGHT FLEXIBLE CONDUIT. ALL CONDUIT IN EXCESS OF SIX FEET IN LENGTH SHALL HAVE FULL SIZE GROUND WIRE.

4. CONDUIT RUNS MAY BE SURFACE MOUNTED IN CEILING OR WALLS UNLESS INDICATED OTHERWISE. CONDUIT INDICATED SHALL RUN PARALLEL OR AT RIGHT ANGLES TO CEILING, FLOOR OR BEAMS. VERIFY EXACT ROUTING OF ALL EXPOSED CONDUIT WITH ARCHITECT PRIOR TO INSTALLING.

5. ALL UNDERGROUND CONDUITS SHALL BE PVC SCHEDULE 40 (UNLESS NOTED OTHERWISE) AT A MINIMUM DEPTH OF 24" BELOW GRADE.

6. ALL CONDUIT ONLY (C.O.) SHALL HAVE PULL ROPE.

7. CONDUITS RUN ON ROOFS SHALL BE INSTALLED ON 4 X 4 REDWOOD SLEEPERS, 6'-0" ON CENTER, SET IN NON-HARDENING MASTIC.

C. ALL WIRE AND CABLE SHALL BE COPPER, 600 VOLT, #12 AWG MINIMUM UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS. CONDUCTORS #10 AWG AND SMALLER SHALL BE SOLID. CONDUCTORS #8 AWG AND LARGER SHALL BE STRANDED. TYPE THHN INSULATION USED UNLESS CONDUCTORS INSTALLED IN CONDUIT EXPOSED TO WEATHER, IN WHICH CASE TYPE THWN INSULATION SHALL BE USED.

D. PROVIDE GALVANIZED COATED STEEL BOXES AND ACCESSORIES SIZED PER CODE TO ACCOMMODATE ALL DEVICES AND WIRING.

E. DUPLEX RECEPTACLES SHALL BE SPECIFICATION GRADE WITH WHITE FINISH (UNLESS NOTED BY ENGINEER), 20 AMP, 125 VOLT, THREE WIRE GROUNDING TYPE, NEMA 5-20R. MOUNT RECEPTACLE AT +12" ABOVE FINISHED FLOOR UNLESS OTHERWISE INDICATED ON DRAWINGS OR IN DETAILS. WEATHERPROOF RECEPTACLES SHALL BE GROUND FAULT INTERRUPTER TYPE WITH SIERRA #WPD-8 LIFT COVERPLATES.

F. TOGGLE SWITCHES SHALL BE 20 AMP, 120 VOLT AC, SPECIFICATION GRADE WHITE (UNLESS NOTED OTHERWISE) FINISH. MOUNT SWITCHES AT +48" ABOVE FINISHED FLOOR.

G. PANELBOARDS SHALL BE DEAD FRONT SAFETY TYPE WITH ANTI-BURN SOLDERLESS COMPRESSION APPROVED FOR COPPER CONDUCTORS, COPPER BUS BARS, FULL SIZED NEUTRAL BUS, GROUND BUS AND EQUIPPED WITH QUICK- MAKE QUICK-BREAK BOLT-IN TYPE THERMAL MAGNETIC CIRCUIT BREAKERS. MOUNT TOP OF THE PANELBOARDS AT 6'-3" ABOVE FINISHED FLOOR. PROVIDE TYPEWRITTEN CIRCUIT DIRECTORY.

H. ALL CIRCUIT BREAKERS, MAGNETIC STARTERS AND OTHER ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTING RATING NOT LESS THAN MAXIMUM SHORT CIRCUIT CURRENT TO WHICH THEY MAY BE SUBJECTED.

I. GROUND RODS SHALL BE COPPER CLAD STEEL, 5/8" ROUND AND 10' LONG. COPPER WELD OR APPROVED EQUAL.

INSTALLATION

A. PROVIDE SUPPORTING DEVICES FOR ALL ELECTRICAL EQUIPMENT, FIXTURES, BOXES, PANEL, ETC., SUPPORT LUMINARIES FROM UNDERSIDE OF STRUCTURAL CEILING, EQUIPMENT SHALL BE BRACED TO WITHSTAND HORIZONTAL FORCES IN ACCORDANCE WITH STATE AND LOCAL CODE REQUIREMENTS. PROVIDE PRIOR ALIGNMENT AND LEVELING OF ALL DEVICES AND FIXTURES.

B. CUTTING, PATCHING, CHASES, OPENINGS: PROVIDE LAYOUT IN ADVANCE TO ELIMINATE UNNECESSARY CUTTING OR DRILLING OF WALLS, FLOORS CEILINGS, AND ROOFS. ANY DAMAGE TO BUILDING STRUCTURE OR EQUIPMENT SHALL BE REPAIRED BY THE CONTRACTOR. OBTAIN PERMISSION FROM THE ENGINEER BEFORE CORING.

C. IN DRILLING HOLES INTO CONCRETE WHETHER FOR FASTENING OR ANCHORING PURPOSES, OR PENETRATIONS THROUGH THE FLOOR FOR CONDUIT RUNS, PIPE RUNS, ETC., IT MUST BE CLEARLY UNDERSTOOD THAT TENDONS AND/OR REINFORCING STEEL WILL NOT BE DRILLED INTO, CUT OR DAMAGED UNDER ANY CIRCUMSTANCES.

D. LOCATION OF TENDONS AND/OR REINFORCING STEEL ARE NOT DEFINITELY KNOWN AND THEREFORE, MUST BE SEARCHED FOR BY APPROPRIATE METHODS AND EQUIPMENT VIA X-RAY OR OTHER DEVICES THAT CAN ACCURATELY LOCATE THE REINFORCING AND/OR STEEL TENDONS.

E. PENETRATIONS IN FIRE RATED WALLS SHALL BE FIRE STOPPED IN ACCORDANCE WITH THE REQUIREMENTS OF THE C.B.C.

PROJECT CLOSEOUT

A. UPON COMPLETION OF WORK, CONDUCT CONTINUITY, SHORT CIRCUIT, AND FALL POTENTIAL GROUNDING TESTS FOR APPROVAL. SUBMIT TEST REPORTS TO PROJECT MANAGER. CLEAN PREMISES OF ALL DEBRIS RESULTING FROM WORK AND LEAVE WORK IN A COMPLETE AND UNDAMAGED CONDITION.

B. PROVIDE PROJECT MANAGER WITH ONE SET OF COMPLETE ELECTRICAL "AS INSTALLED" DRAWINGS AT THE COMPLETION OF THE JOB, SHOWING ACTUAL DIMENSIONS, ROUTINGS AND CIRCUITS.

C. ALL BROCHURES, OPERATING MANUALS, CATALOG, SHOP DRAWINGS, ETC., SHALL BE TURNED OVER TO OWNER AT JOB COMPLETION.

GROUNDING NOTES

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

ELECTRICAL NOTES

1

EUKON_AT&T_90CD_MONOPOLE TEMPLATE_V2_11-18-22

at&t

1452 EDINGER AVE.
3RD FLOOR
TUSTIN, CA 92780

Eukon
an SFC Communications, Inc. Company
65 POST, SUITE 1000
IRVINE, CA 92618
TEL: (949) 553-8566
www.eukongroup.com

NOT FOR CONSTRUCTION

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

ELECTRICAL NOTES

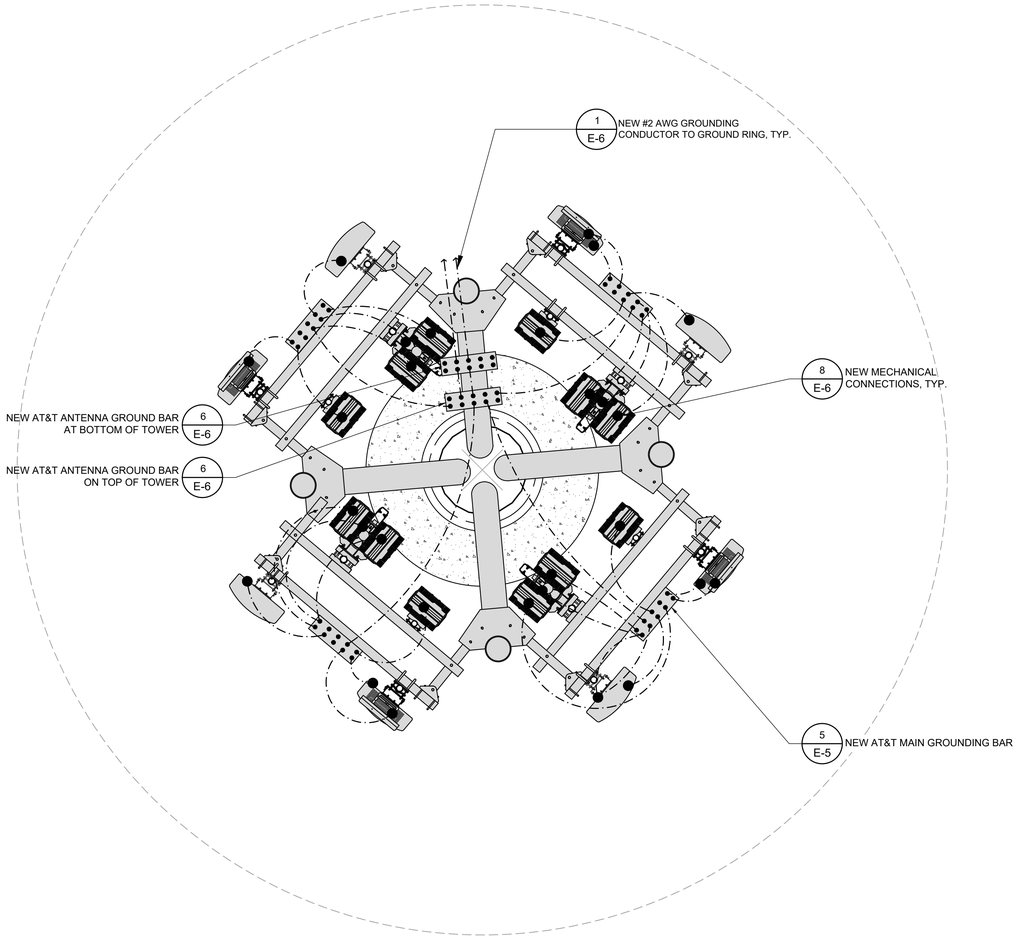
SHEET NUMBER

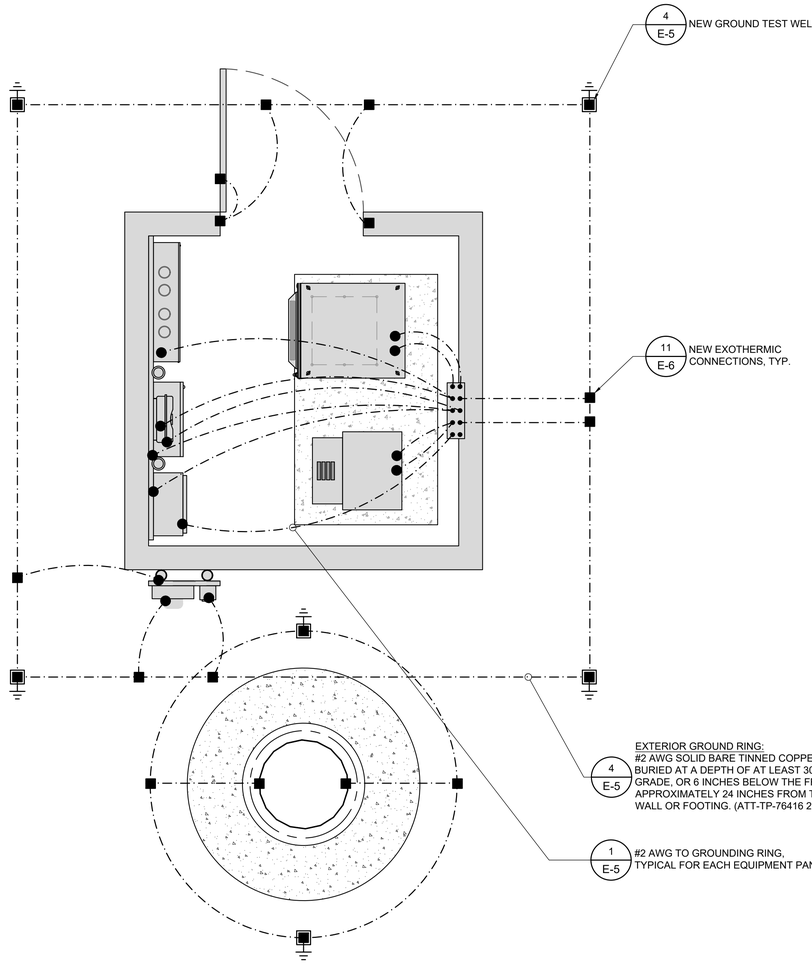
E-3

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.





GROUNDING PLAN

SCALE 3/4"=1'-0" (1' 0 6" 1' 2' 4')

1

at&t

1452 EDINGER AVE.
3RD FLOOR
TUSTIN, CA 92780

Eukon
an SFC Communications, Inc. Company
65 POST, SUITE 1000
IRVINE, CA 92618
TEL: (949) 553-8566
www.eukongroup.com

NOT FOR CONSTRUCTION

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 PLANS

SHEET NUMBER

E-4

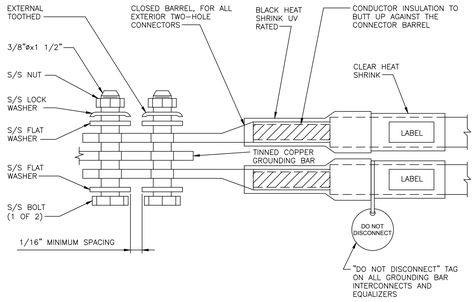
EUKON_AT&T_90CD_MONOPOLE TEMPLATE_V2_11-18-22

NOT USED

SCALE: NONE — 8

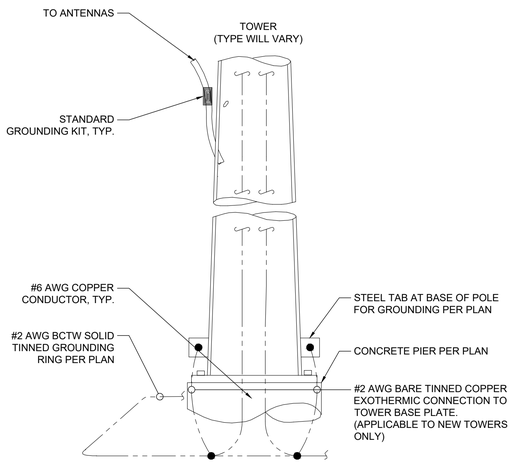
EXTERIOR TWO HOLE LUG

SCALE: NONE — 7



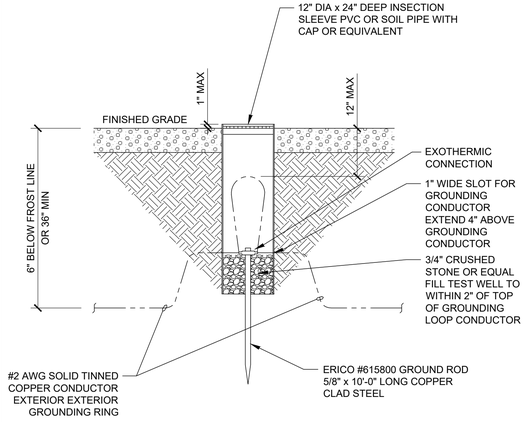
TOWER GROUNDING

SCALE: NONE — 6



GROUND ROD W/ INSPECTION SLEEVE

SCALE: NONE — 4

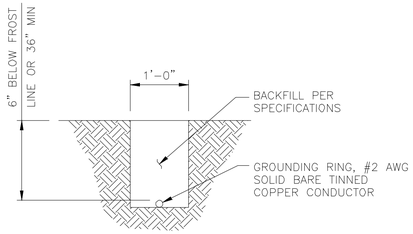


NOTES:

1. EXOTHERMIC WELD #2 AWG BARE TINNED SOLID COPPER CONDUCTOR TO GROUND BAR. ROUTE CONDUCTOR TO BURIED GROUND RING AND PROVIDE PARALLEL EXOTHERMIC WELD.
2. 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.
3. 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.
4. 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.
5. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUNDING CONDUCTOR DOWN TO GROUNDING BUS.
6. 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.
7. SUPPLIED AND INSTALLED BY CONTRACTOR.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ADDITIONAL GROUND BARS AS REQUIRED, PROVIDING 50% SPARE CONNECTION POINTS.
9. ENSURE THE WIRE INSULATION TERMINATION IS WITHIN 1/8" OF THE BARREL (NO SHINERS).

GROUND RING TRENCH

SCALE: NONE — 2



at&t

1452 EDINGER AVE.
3RD FLOOR
TUSTIN, CA 92780

Eukon
an SFC Communications, Inc. Company
65 POST, SUITE 1000
IRVINE, CA 92618
TEL: (949) 553-8566
www.eukongroup.com

NOT FOR CONSTRUCTION

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

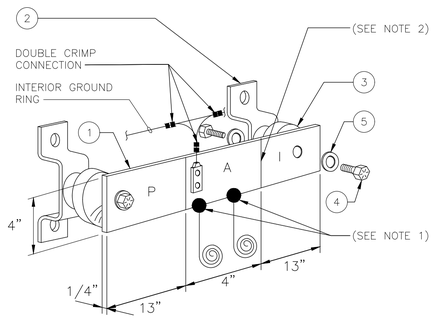
SHEET NUMBER

E-5

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

MAIN GROUNDING BAR

SCALE: NONE — 5



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

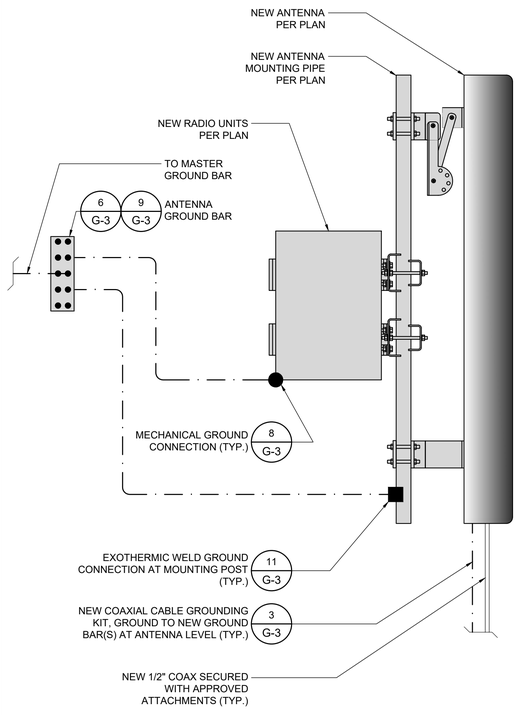
(EC) INTERIOR GROUND RING (#2 AWG)
(EC) EXTERNAL EARTH GROUNDING FIELD (BURIED GROUND RING) (#2 AWG)
(EC) METALLIC COLD WATER PIPE (IF AVAILABLE) (1/0 AWG)
(EC) BUILDING STEEL (IF AVAILABLE) (1/0 AWG)

SECTION "I" - ISOLATED GROUNDING ZONE

(AT&T) ALL ISOLATED GROUNDING REFERENCE
(AT&T) GROUND WINDOW BAR

ANTENNA GROUNDING

SCALE: NONE — 3

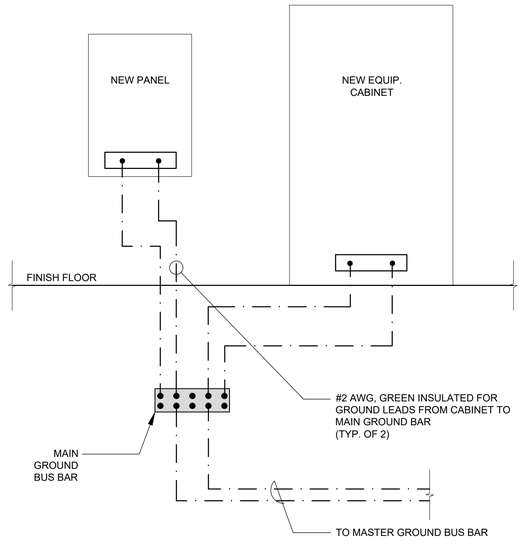


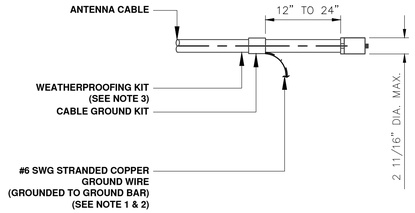
NOTES:

1. THIS IS A DIAGRAMMATIC REPRESENTATION ONLY. SEE GROUNDING PLAN FOR SITE-SPECIFIC GROUNDING LAYOUT AND COMPONENTS.
2. SEE GROUND NOTES FOR ADDITIONAL INFORMATION
3. USE #2/0 AWG, BCW FOR GROUND LEADS FROM BUS BARS TO GROUND RING.
4. USE #2 AWG.BCW FOR BURIED GROUND LOOP AND GROUND LEADS.
5. THE NUMBER AND SIZE OF GROUND BARS USED MAY PER SITE CONDITIONS.

EQUIPMENT GROUNDING

SCALE: NONE — 1

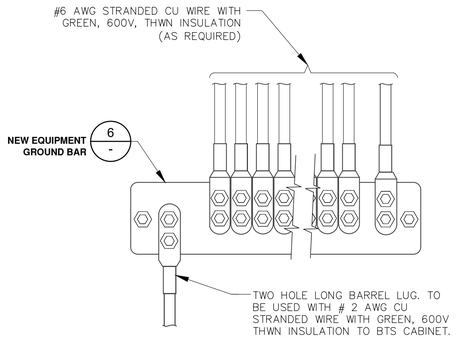




NOTES:

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

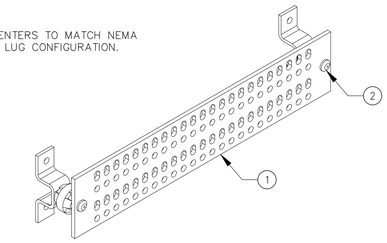
CONN. OF CABLE GND KIT TO ANT. | 12



INSTALLATION OF GND WIRE TO GND BAR | 9

NOTE:

HOLE CENTERS TO MATCH NEMA DOUBLE LUG CONFIGURATION.

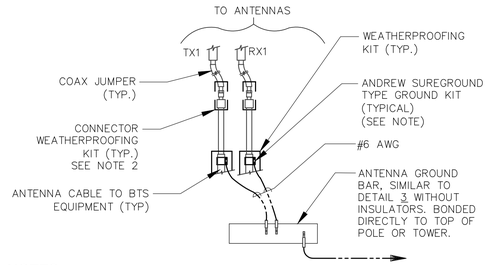


1– UNIVERSAL TINNED COPPER BUSS BAR WITH HARDWARE: BY ANDREW CORPORATION

UGBKIT–0420–T : 1/4"x4"x20" (SHOWN)
UGBKIT–0412–T : 1/4"x4"x12"
UGBKIT–0210–T : 1/4"x2"x10"
GB–HKU : MOUNTING HARDWARE KIT

2– ANDREW #MTC9674KEY TAMPER RESISTANT BUSS BAR BOLT KIT

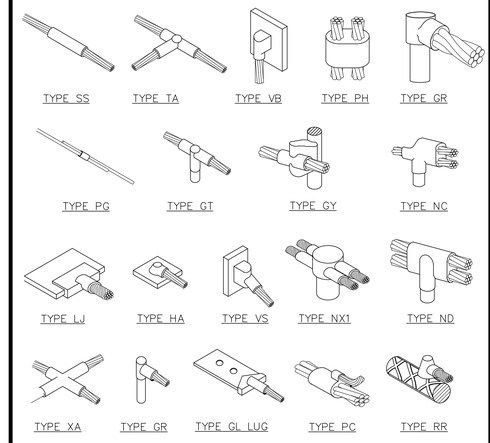
GROUND BAR DETAIL | 6



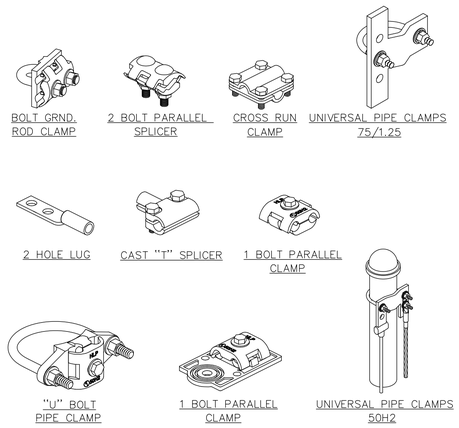
NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO ANTENNA GROUND BAR.
2. WEATHER PROOFING SHALL BE ANDREW TWO–PART TAPE KIT, COLD SHRINK SHALL NOT BE USED.

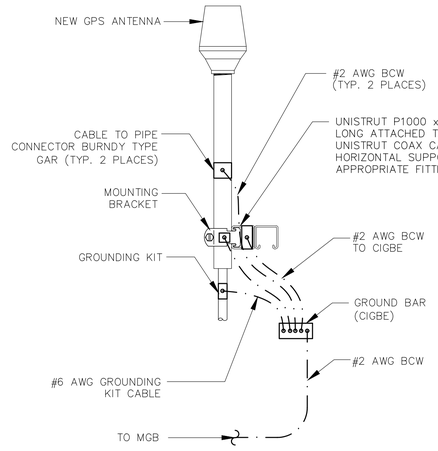
CONN. OF GRND WIRE TO GRND BAR, TOWER | 3



EXOTHERMIC WELD CONNECTION | 11



MECHANICAL CONNECTION | 8



GPS ANTENNA GROUNDING | 5

NOTES

1. NUMBER OF GROUNDING BARS MAY VARY DEPENDING ON THE TYPE OF TOWER, ANTENNA LOCATION, AND CONNECTION ORIENTATION, THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ADDITIONAL GROUNDING BAR AS REQUIRED, PROVIDING 50% SPARE CONNECTION POINTS.
2. DO NOT INSTALL CABLE GROUNDING KIT AT A BEND AND ALWAYS DIRECT GROUNDING CONDUCTOR DOWN TO GROUNDING BAR.
3. GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
4. WEATHER PROOFING SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
5. PROVIDE GROUNDING KIT 6"BEFORE TURN TRANSITION FROM TOWER TO ICE BRIDGE.
6. WHEN THE SCOPE OF WORK REQUIRES THE ADDITION OF A GROUNDING BAR TO AN EXISTING TOWER, THE SUBCONTRACTOR SHALL OBTAIN APPROVAL FROM THE TOWER OWNER PRIOR TO MOUNTING THE GROUNDING BARS TO THE TOWER.
7. EXTEND TWO (2) #2 AWG TINNED CU CONDUCTOR FROM BURIED GROUNDING RING AND CONNECT TO THE NEW TOWER, FOLLOW MANUFACTURERS RECOMMENDATIONS FOR GROUNDING CONNECTIONS TO THE TOWER. (APPLICABLE TO NEW TOWERS ONLY.)
8. BUILDINGS AND/OR NEW TOWERS GREATER THAN 75 FEET IN HEIGHT AND THE MAIN GROUNDING CONDUCTORS ARE REQUIRED TO BE ROUTED TO GRADE, THE CONTRACTOR SHALL ROUTE TWO GROUNDING CONDUCTORS FROM THE ROOF–TOP, TOWERS, AND WATER TOWERS GROUNDING RING, TO THE EXISTING GROUNDING SYSTEM, THE GROUNDING CONDUCTORS SHALL NOT BE SMALLER THAN 2/0 AWG COPPER, ROOF–TOP GROUNDING RING SHALL BE BONDED TO THE EXISTING GROUNDING SYSTEM, THE BUILDING STEEL COLUMNS, LIGHTNING PROTECTION SYSTEM, AND BUILDING MAIN WATER LINE (FERROUS OR NONFERROUS METAL PIPING ONLY), SEE AT&T GROUNDING AND BONDING STANDARDS TP–76416 SPECIFICATION 6.5.2.2.
9. FLEX CONDUIT TO BE INSTALLED ON NEW COPPER CONDUCTOR UP TO GROUNDING BAR AND, SEALED AT ENDS TO PROTECT FROM OUTSIDE MOISTURE AND DEBRIS.

GROUNDING NOTES | 2

NOT USED | 10

NOT USED | 7

NOT USED | 4

NOT USED | 1

at&t

1452 EDINGER AVE.
3RD FLOOR
TUSTIN, CA 92780

Eukon
an SFC Communications, Inc. Company
65 POST, SUITE 1000
IRVINE, CA 92618
TEL: (949) 553-8566
www.eukongroup.com

NOT FOR CONSTRUCTION

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-6

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.TPR-9802
- GR-4228
- GR-1089
- GR-63 NEBS

SAFETY
- UL 94V-0
- UL 1989

Pb

SPECIFICATIONS

MODEL	NOMINAL VOLTAGE (V)	*RATED CAPACITY at 8 Hr (Ah)	** OPERATING RANGE	L		W		H		TH		WEIGHT		TERMINAL
				mm	in.	mm	in.	mm	in.	mm	in.	kg	lbs.	
PYL12V185FT	12	185	-40 to 65°C (-40 to 149°F)	556	21.9	125	4.9	317	12.5	317	12.5	60.7	133.8	Front-M6 Bolt Top-M5 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

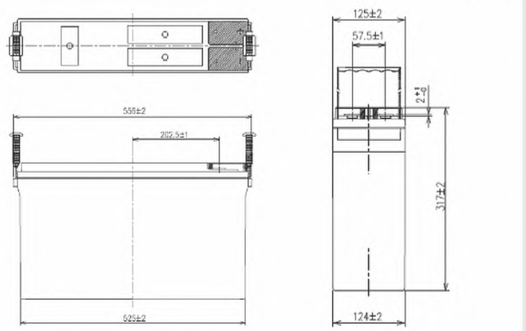
WATTS TO FINAL VOLTAGE: 1.75V@25°C (77°F)

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

GS YUASA
Creating the Future of Energy

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

units: mm



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

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

GS YUASA
Creating the Future of Energy

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

500-100222 ver.4.0 ® 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:

1. HAZARDOUS MATERIALS FINAL INSPECTION.
2. 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 IMMERSED 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).

at&t

1452 EDINGER AVE.
3RD FLOOR
TUSTIN, CA 92780

Eukon
an SFC Communications, Inc. Company
65 POST, SUITE 1000
IRVINE, CA 92618
TEL: (949) 553-8566
www.eukongroup.com

NOT FOR CONSTRUCTION

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

FIRE DEPARTMENT NOTES AND BATTERY INFORMATION

SHEET NUMBER

FD-1

PLANT LEGEND

SYM	BOTANICAL NAME	COMMON NAME	SIZE	QTY.	REMARKS	WATER USE
						REGION 4
	TREES					
	EUCALYPTUS LEUCOXYLON BID ALTERNATE	CARROTWOOD	5 GAL.	2	STANDARD	LOW
	TRISTANIA CONFERTA	BRISBANE BOX	36" BOX	2	STANDARD	MOD.
	SHRUBS					
	RHAPHIOLEPIS INDICA 'CLARA'	INDIAN HAWTHORN	5 GAL.	44	3'-0" O.C.	MOD.

PLANTING NOTE:

1. MULCH AROUND PROJECT AREA THAT HAS BEEN IMPACTED DUE TO CONSTRUCTION. MULCH TO BE 3" MIN. THICK LAYER OF SHREDDED RECYCLED MULCH.
2. 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.
3. ALL LANDSCAPED AREAS DEPICTED ON THIS PLAN SHALL BE MAINTAINED BY THE PROPERTY OWNER.

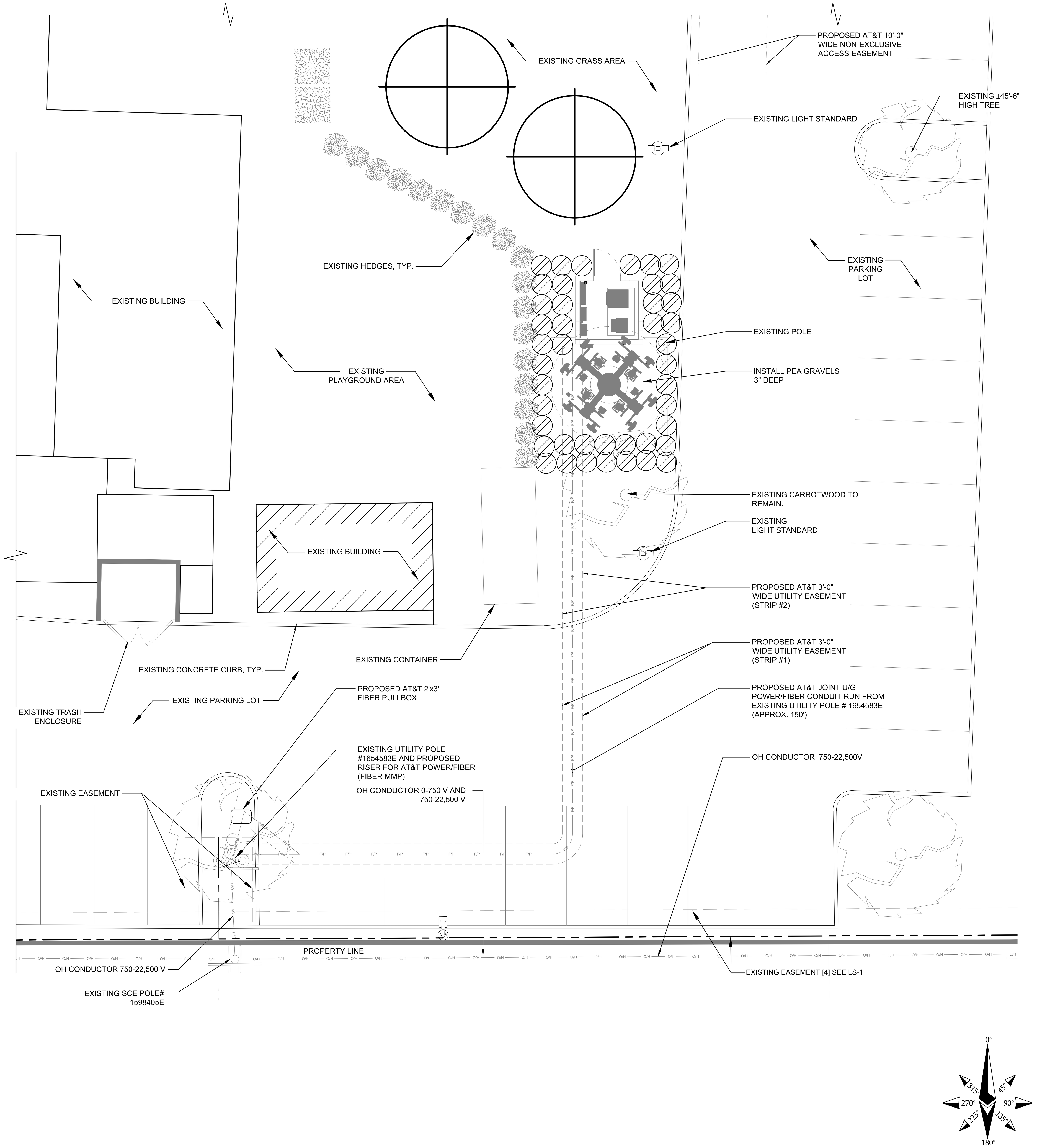
IRRIGATION SYSTEM DESIGN STATEMENT:

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.



PRELIMINARY LANDSCAPE PLAN

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

1

APPLICANT:

at&t

1452 EDINGER AVENUE,
3RD FLOOR
TUSTIN, CA 92780

ENGINEER:

Eukon
an SFC Communications, Inc. Company
65 POST, SUITE 1000
IRVINE, CA 92618
TEL: (949) 553-8566
www.eukongroup.com

THIS PAGE CONTAINS CONFIDENTIAL, PROPRIETARY OR TRADE SECRET INFORMATION EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW.

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:

REGISTERED LANDSCAPE ARCHITECT
Signature
8/31/2026
Renewal Date
07/25/2024
Date
STATE OF CALIFORNIA

RJCLA
LANDSCAPE ARCHITECTURE

Landscape Architects
11 Villamoura
Laguna Niguel, CA 92677
(949) 661-3998
rjcla@sbcglobal.net

06/16/2024

PROJECT INFORMATION:

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

SHEET TITLE:

PRELIMINARY LANDSCAPE PLAN

SHEET NUMBER:

L-1

CLL05463

62'-0" QUAD-EUC

U.S. PATENT # 7616170 & 8035574

LOCATION:

1700 NORTH TOWNE AVENUE
CLAREMONT, CA 91711
LOS ANGELES COUNTY

DRAWING INDEX

SCI
SOLAR COMMUNICATIONS INTERNATIONAL, INC.
41745 Anza Road
Temecula, CA 92592
Phone: (951) 698-5985
www.RFTransparent.com

AT&T

TITLE SHEET

CLL05463

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

REGISTERED PROFESSIONAL ENGINEER
JACOB S. PROCTOR
C 70567
CIVIL
STATE OF CALIFORNIA

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_{DS} = 1.158g, S_{D1} = 0.741g
- SEISMIC DESIGN CATEGORY: D
- BASIC SEISMIC-FORCE-RESISTING-SYSTEM:
  - TELECOM: STEEL POLE
- SEISMIC BASE SHEAR, V: 16.6 K
- SEISMIC RESPONSE COEFFICIENT, Cs: 0.676
- RESPONSE MODIFICATION FACTOR, R: 1.5
- ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE

STRUCTURAL STEEL

1. POLYGONAL MONOPOLE SHAFT STEEL SHALL CONFORM w/ ASTM A572 GR. 65, UNO.
2. BASEPLATE STEEL SHALL CONFORM w/ ASTM A572 GR 50, UNO.
3. 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.
4. ALL STEEL RECTANGULAR TUBES (HSS) SHALL CONFORM w/ ASTM A500 GR B (46 KSI), UNO.
5. REINFORCED PORT STEEL SHALL CONFORM w/ ASTM A572 GR 50, UNO.
6. ALL OTHER STEEL SHAPES & PLATES SHALL CONFORM w/ ASTM A36, UNO.
7. ALL BOLTS FOR STEEL-TO-STEEL CONNECTIONS SHALL CONFORM w/ ASTM F3125 GR A325, UNO.
8. ALL U-BOLTS SHALL CONFORM w/ ASTM A36, UNO.
9. ALL ANCHOR BOLTS SHALL CONFORM w/ ASTM F1554 GR. 55, UNO.
10. 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.
11. ALL STEEL SURFACES SHALL BE GALVANIZED IN ACCORDANCE w/ ASTM A123 AND ASTM F2329 STANDARDS.
12. 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.
13. 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.
14. ALL HEAVY HEX NUTS SHALL BE ASTM A563 GR C OR DH OR EQUIVALENT.
15. 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

1) 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.
2) 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.
3) 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.
4) 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.
5) 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.
6) 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.
7) IT IS THE INTENT OF THESE DRAWINGS TO SHOW THE COMPLETED INSTALLATION OF THE STRUCTURE SHOWN.
8) 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.
9) 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.
10) BRANCHES OR OTHER DESIGN TECHNIQUE SHALL BE USED TO DISGUISE THE TRANSITION FROM THE MAIN TRUNK TO THE TRI-ARMS.
11) 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.
12) THE MAIN TRUNK, TRI-ARMS AND BRANCHES SHALL HAVE FULL BARK CLADDING, COMPLETE WITH CURLED PIECES OF BARK EXTENDING FROM THE STRUCTURE.
13) 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.
14) ALL CABLING SHALL BE WIRED INTERNAL TO THE TREE STRUCTURE TO THE EXTENT POSSIBLE
15) 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

1. 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.
2. NO FIELD WELDING SHALL BE PERMITTED
3. NONDESTRUCTIVE TESTING IS REQUIRED FOR CJP GROOVE WELDS IN MATERIAL 5/16" THICK OR GREATER.
4. THE FOLLOWING SPECIAL INSPECTIONS SHALL BE REQUIRED PER CHAPTER 17 OF THE BUILDING CODE:
   - SPECIAL INSPECTION OF HIGH-STRENGTH BOLTING (WHEN APPLICABLE):
     - 0 PERIODIC SPECIAL INSPECTION IF BOLTS ARE PRETENSIONED WITH MATCH-MARKING TECHNIQUES
     - 0 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
4. 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.
5. NO STRUCTURAL OBSERVATION IS REQUIRED UNLESS NOTED IN CHAPTER 17 OF THE BUILDING CODE OR BY THE JURISDICTION.

DISCLAIMERS

1. 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.
2. 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.
3. WHERE EFFECTIVE PROJECTED AREAS (EPA) ARE USED, IT IS THE RESPONSIBILITY OF OTHERS TO VERIFY INSTALLED EQUIPMENT DOES NOT EXCEED LISTED EPA.

SCI
SOLAR COMMUNICATIONS INTERNATIONAL, INC.
41745 Anza Road
Temecula, CA 92592
Phone: (951) 698-5985
www.RFTransparent.com

AT&T

NOTES & SPECIFICATIONS

CLL05463

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

REGISTERED PROFESSIONAL ENGINEER
JACOB S. PROCTOR
C 70587
CIVIL
STATE OF CALIFORNIA

06/20/2024

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

REVISIONS

REV	DATE	DESCRIPTION

U1085.2439.241

N1

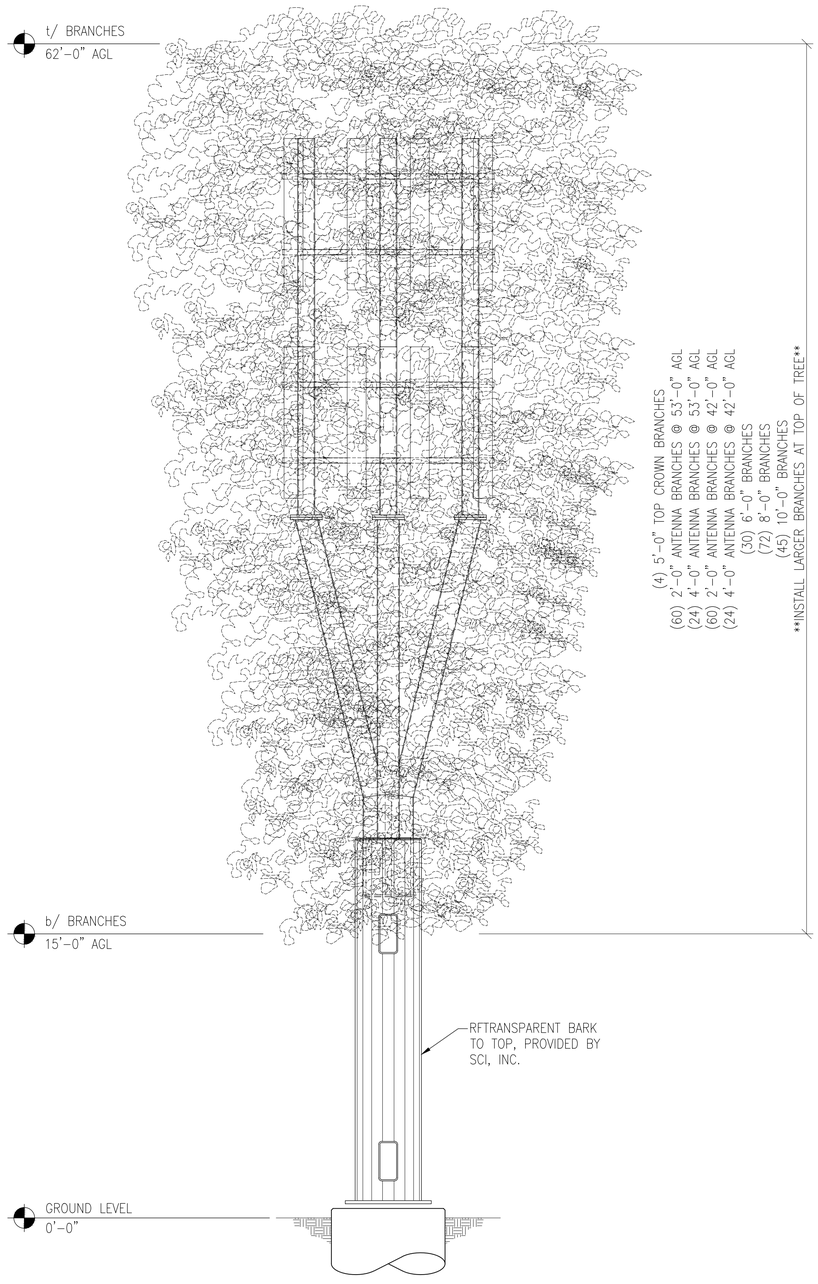
REV 0

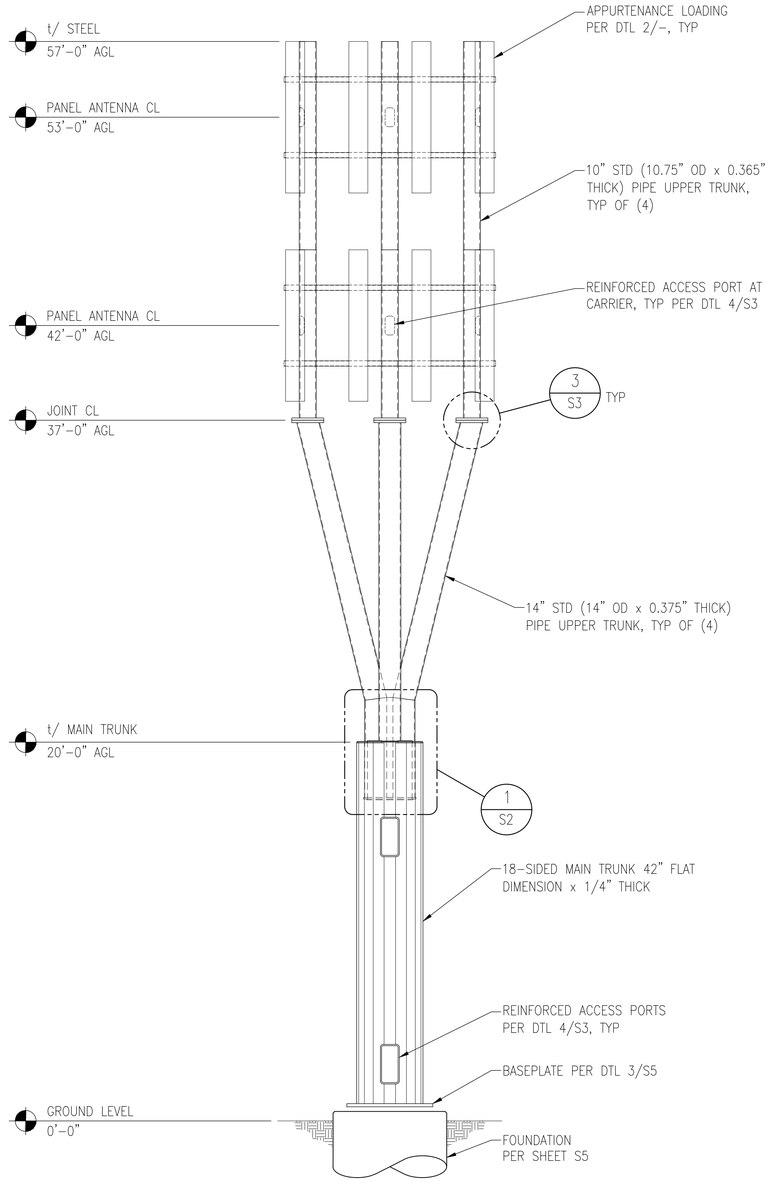
DESIGN LOADING:
ANTENNA CL @ 53'-0" AGL:
(4) CCI TPA-45R-KU8AA-K (98.7"x15.4"x8.2") PANEL ANTENNAS
(4) ERICSSON AIR6449 B77D (31"x15.9"x10.6") PANEL ANTENNAS
(4) ERICSSON AIR6419 B77G (28.3"x16.1"x7.9") PANEL ANTENNAS
(8) RRU 4449 B5/B12
(8) RRU 8843 B2/B66A
(8) RRU 4478 B14
(4) RAYCAP SURGE SUPPRESSORS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

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 1
NTS

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

AT&T

ELEVATION VIEWS

CLL05463

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

REGISTERED PROFESSIONAL ENGINEER
JACOB S. PROCTOR
C 70567
CIVIL
STATE OF CALIFORNIA
06/20/2024

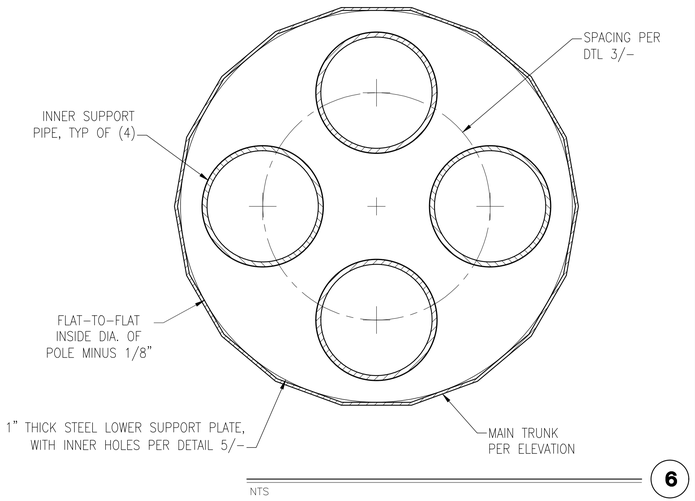
DATE: 6/20/24	DESIGNED: EME	DRAFTER: EME

REVISIONS

REV	DATE	DESCRIPTION

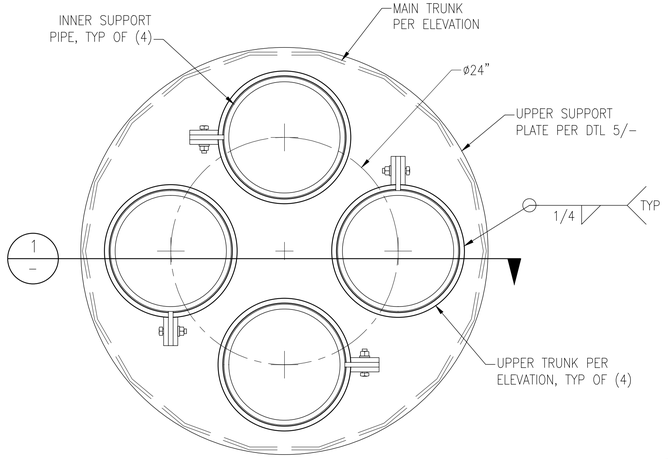
U1085.2439.241

S1 REV 0



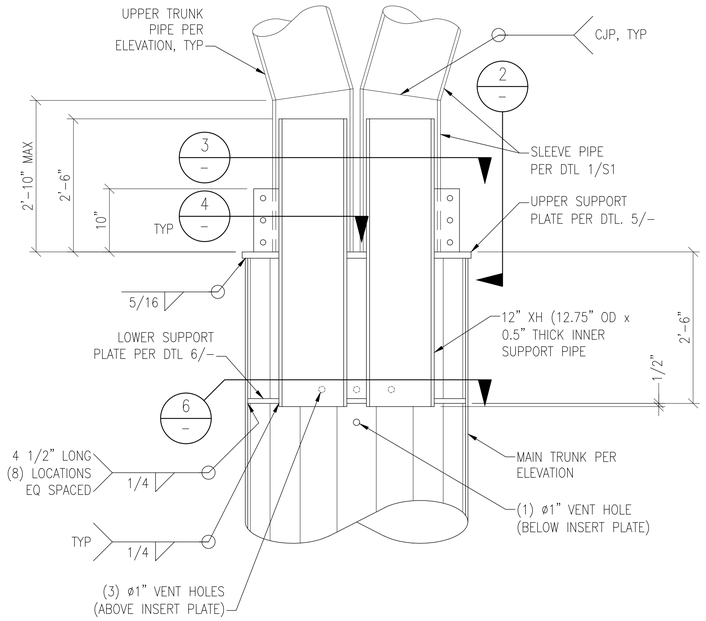
NTS

6



NTS

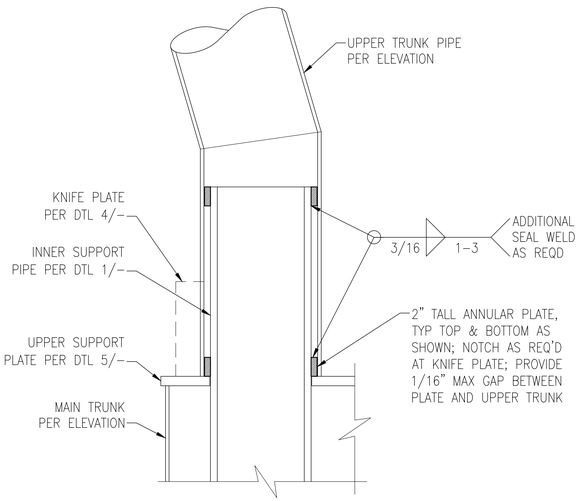
3



INTERFACE ELEVATION

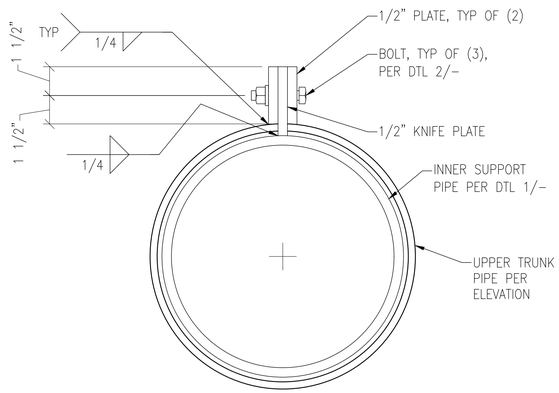
NTS

1



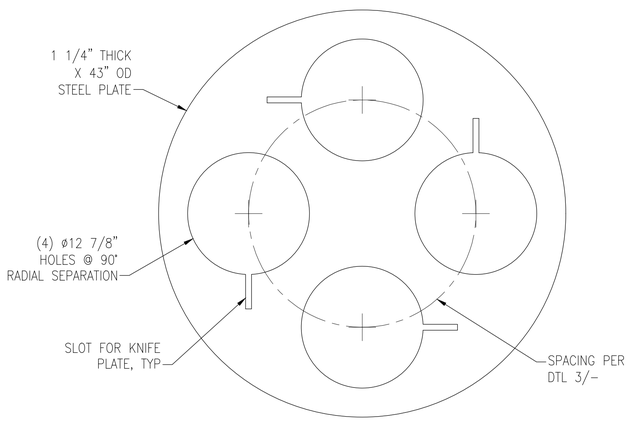
NTS

7



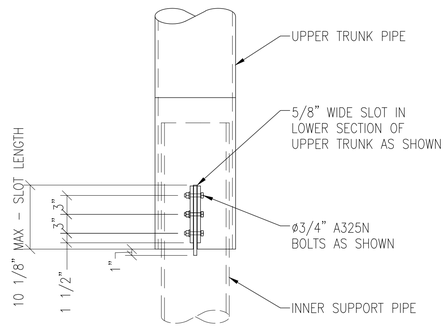
NTS

4



NTS

5



NTS

2

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

AT&T

DETAILS

CLL05463

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

REGISTERED PROFESSIONAL ENGINEER
JACOB S. PROCTOR
C 70587
CIVIL
STATE OF CALIFORNIA

06/20/2024

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

REVISIONS

REV	DATE	DESCRIPTION

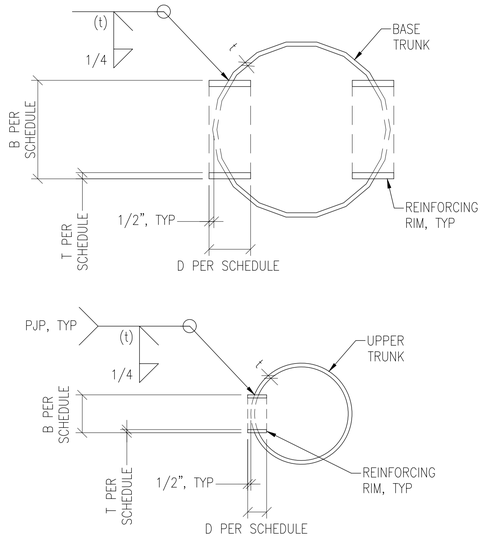
U1085.2439.241

S2

REV 0

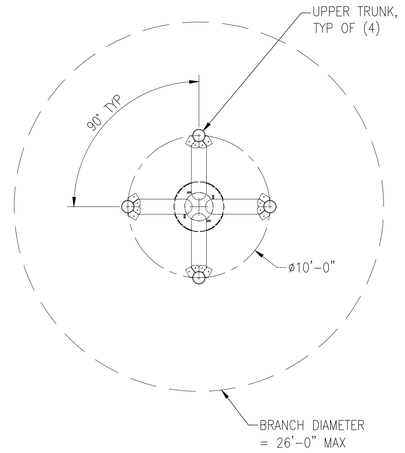
PORT SCHEDULE					
CL ELEV.	PORT SIZE (B x H)	D	T	QTY	AZIMUTH(S)
53'-0''	6"x12"	3"	1/2"	1	T.B.D.
42'-0''	6"x12"	3"	1/2"	1	T.B.D.
15'-0''	12"x25"	3"	3/4"	2	180° SEPARATION
3'-0''	12"x25"	3"	3/4"	2	180° SEPARATION

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



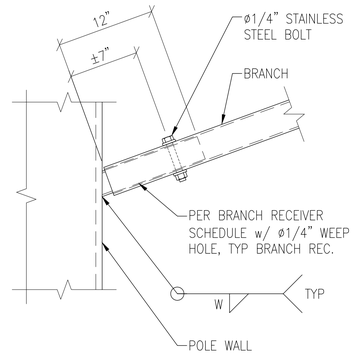
REINFORCED ACCESS PORTS 4

NTS



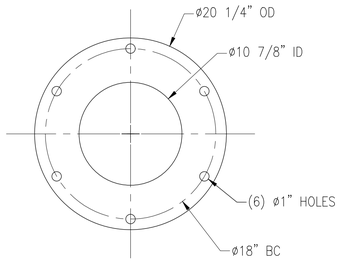
NTS 1

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

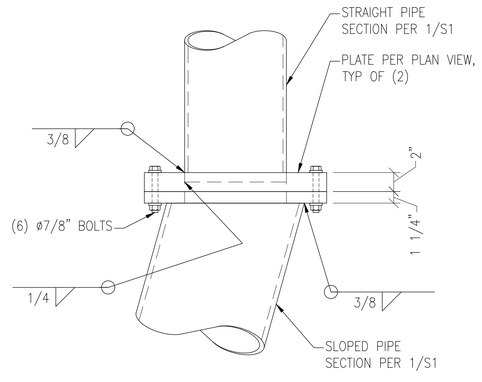


BRANCH RECEPTACLE, TYP 2

NTS



STEEL PLATE PLAN VIEW



ELEVATION VIEW

NTS 3

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

AT&T

DETAILS

CLL05463

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

REGISTERED PROFESSIONAL ENGINEER
JACOB S. PROCTOR
C70587
CIVIL
STATE OF CALIFORNIA

06/20/2024

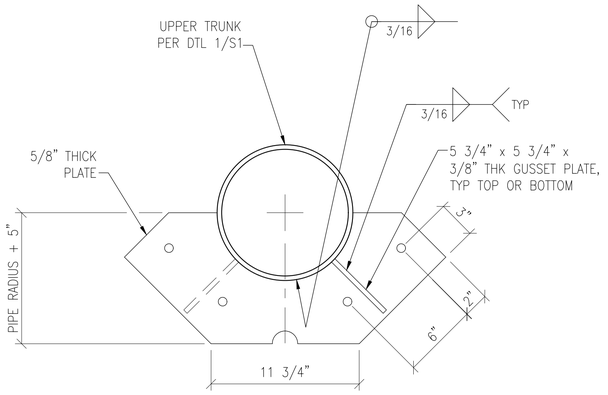
DATE: 6/20/24	DESIGNED: EME	DRAFTER: EME

REVISIONS

REV	DATE	DESCRIPTION

U1085.2439.241

S3 REV 0

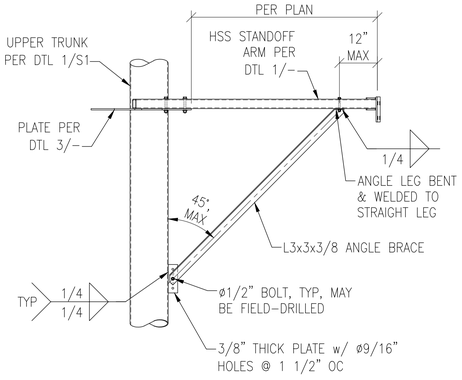


NTS

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.

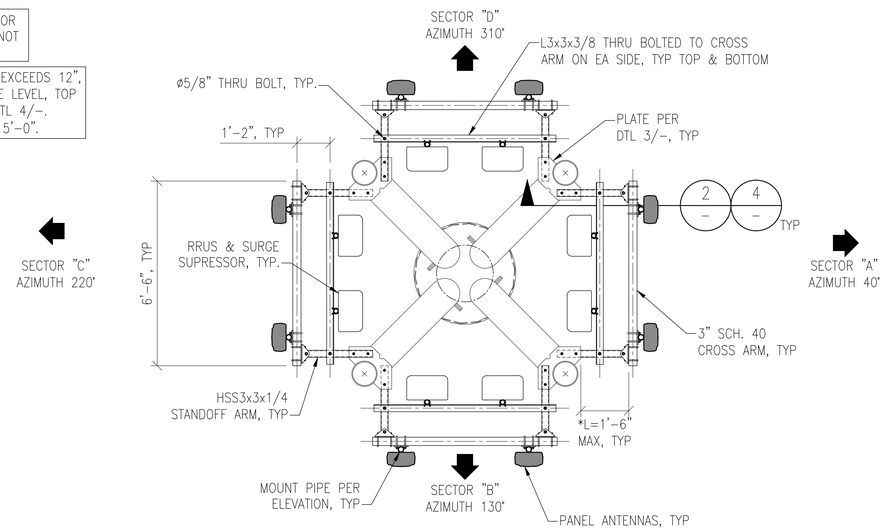


NTS

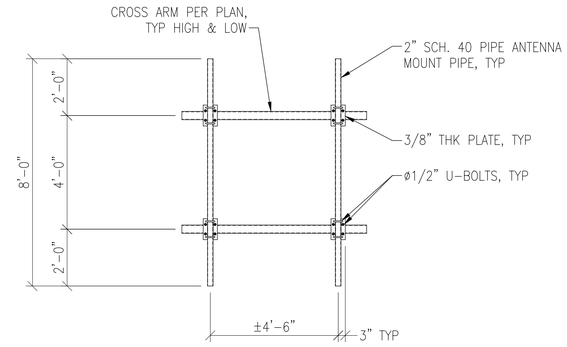
4

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".



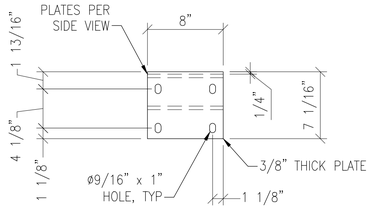
PLAN VIEW



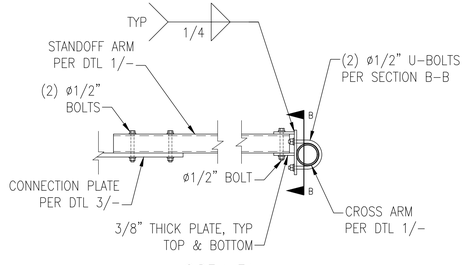
ELEVATION VIEW

NTS

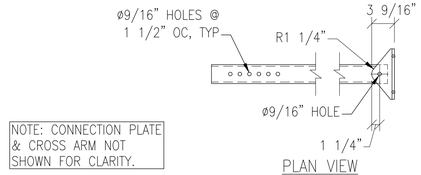
1



SECTION B-B



SIDE VIEW



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

PLAN VIEW

NTS

2

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

AT&T

DETAILS

CLL05463

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

REGISTERED PROFESSIONAL ENGINEER
JACOB S. PROCTOR
C 70567
CIVIL
STATE OF CALIFORNIA

06/20/2024

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

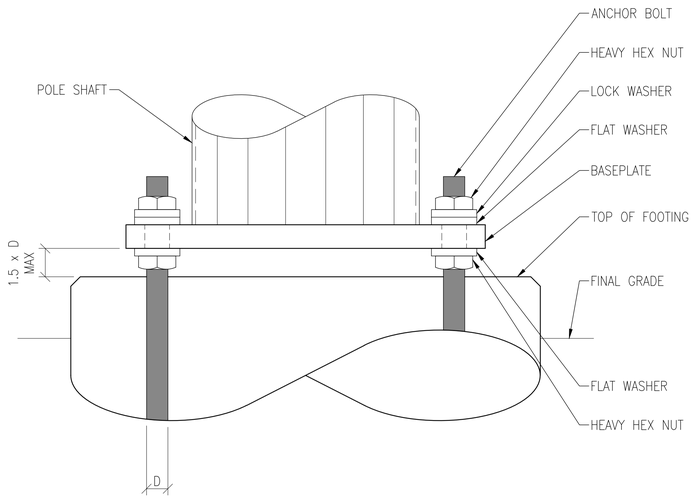
REVISIONS

REV	DATE	DESCRIPTION

U1085.2439.241

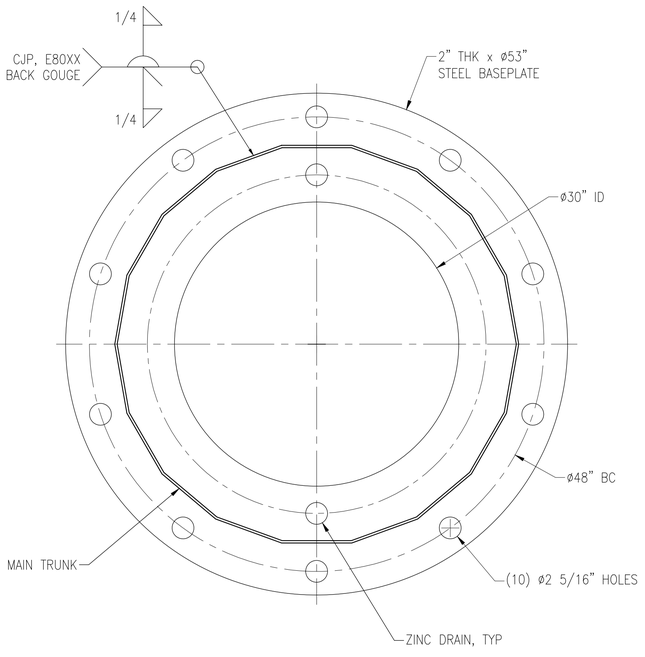
S4

REV 0



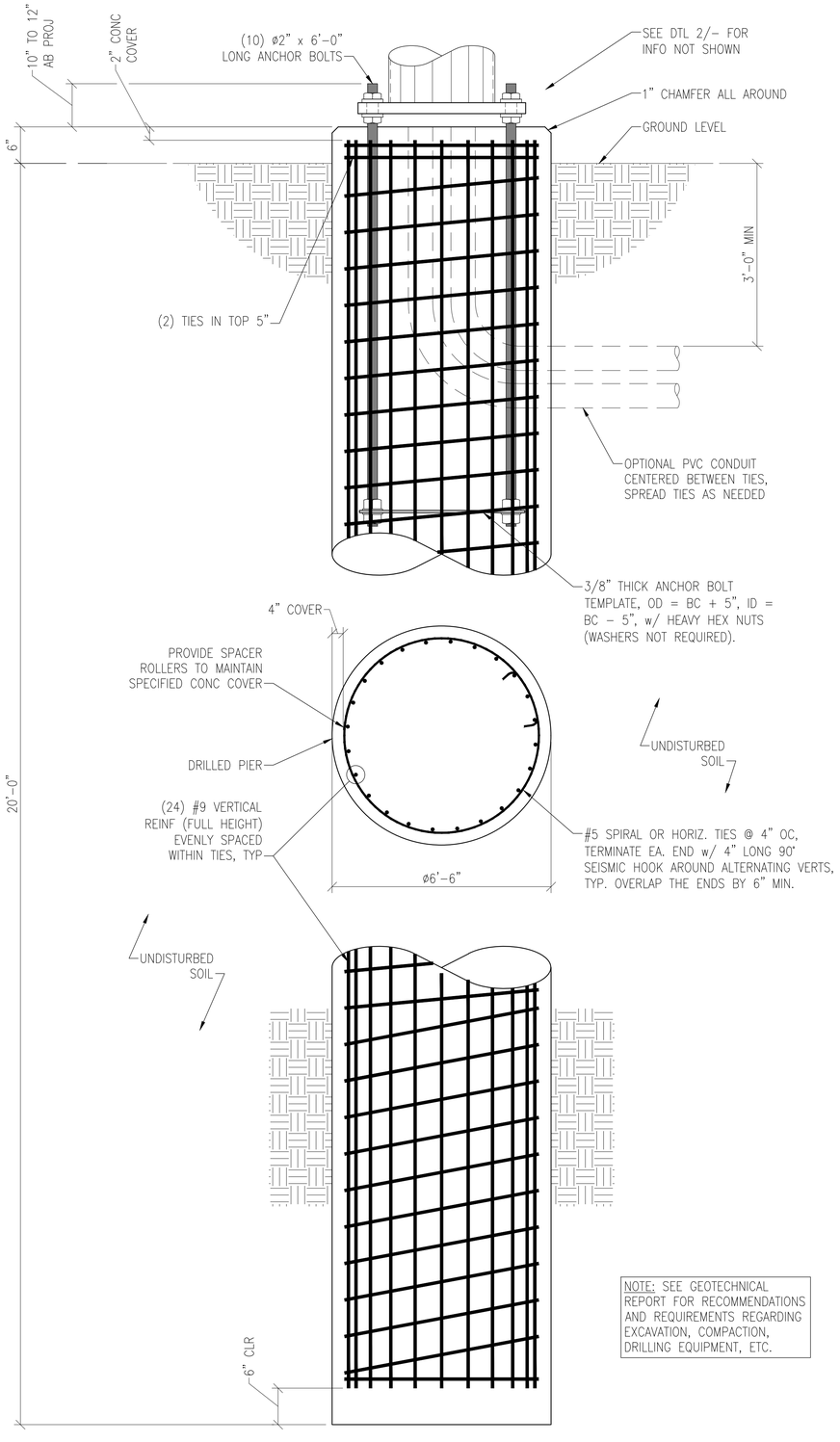
BASE DETAIL (2)

NTS



BASEPLATE (3)

NTS



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

FOUNDATION (1)

NTS

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

SCI
© 2024 SOLAR COMMUNICATIONS INTERNATIONAL, INC.
41745 Anza Road
Temecula, CA 92592
Phone: (951) 698-5985
www.RFTransparent.com

AT&T

FOUNDATION

CLL05463

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

REGISTERED PROFESSIONAL ENGINEER
JACOB S. PROCTOR
C 70567
CIVIL
STATE OF CALIFORNIA

06/20/2024

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

REVISIONS

REV	DATE	DESCRIPTION

U1085.2439.241

S5

REV 0