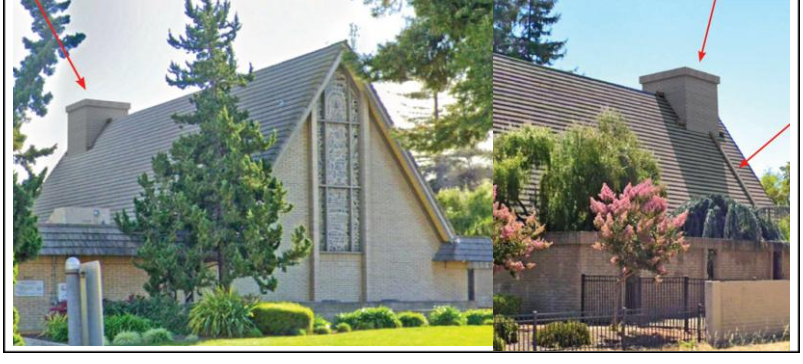
Location of Proposed Project



City of Campbell
70 North First Street
Campbell, CA 95008 –1423

Project Image



Notice of Pending Decision

Dear Campbell Resident, **March 26, 2026**

The City of Campbell Community Development Director will be considering a decision on a proposed project. Prior to a decision, written comments may be submitted. The **10-day comment period** begins **March 26, 2026**, and closes at **5:00 p.m. on April 6, 2026**. All timely comments will be considered by the Director. No additional notice will be provided.

PROJECT INFO

Project Address: 600 W. Campbell Avenue
Zoning | Area Plan: PF | N/A
Neighborhood Association(s): N/A
Council District: 4
File No: PLN-2025-33
APN: 305-28-001
Applicant: Andrea Liu (Butler America)
Property Owner: Central California Conference of Seventh-day Adventists
Application Type: Administrative Site and Architectural Review Permit

PROJECT DESCRIPTION

Request to re-permit and modify and enlarge an existing stealth wireless facility incorporated into an existing structure as a roof mounted chimney.

CONTACT

Project Planner: Larissa Lomen, Assistant Planner
larissal@campbellca.gov
(408) 866-2144

DECISION

After the comment period, the Community Development Director will issue a decision. **No notice of decision will be provided.** The decision is final unless a written appeal is filed within **10 days** and received by the City of Campbell Community Development Department, **70 N. First Street, Campbell**. For decision status, contact the Project Planner.

City of Campbell , Planning Division
planning@campbellca.gov | (408) 866-2140

Scan the QR code to view current project plans. Plans are subject to change.

**Asistencia en Español (408) 866-2140 pida traduccion en Español

T-Mobile

SITE NUMBER: SF70610M - ANCHOR / L600
SITE NAME: SF0610 CAMPBELL SDA CHURCH
SITE TYPE: ROOFTOP

CITY: CAMPBELL
COUNTY: SANTA CLARA
JURISDICTION: CITY OF CAMPBELL

PROJECT SUMMARY:

SITE ADDRESS:
600 W. CAMPBELL AVE
CAMPBELL, CA 95008

PROPERTY OWNER:
CAMPBELL SEVENTH-DAY ADVENTIST
600 WEST CAMPBELL AVE.
CAMPBELL, CA 95008

APPLICANT:
T-MOBILE WEST LLC
1200 CONCORD AVE., SUITE 500
CONCORD, CA 94520

GEODETIC COORDINATES (NAD 83):
LATITUDE: 37° 17' 10.82" NORTH
37.286339°
LONGITUDE: 121° 57' 36.00" WEST
-121.959999°

ELEVATIONS: NAVD 88
EXISTING GROUND ELEVATION: (SE BUILDING CORNER) 198.5 FEET A.M.S.L.
EXISTING HEIGHT OF STRUCTURE: (TOP OF PEAK) 43.5 FEET A.G.L.
EXISTING OVERALL HIGH POINT: (TOP OF FAUX CHIMNEY) 46.5 FEET A.G.L.

PROJECT DESCRIPTION

THIS PROJECT INCLUDES THE MODIFICATIONS TO AN EXISTING T-MOBILE WIRELESS FACILITY, INCLUDING:

ANTENNA SCOPE OF WORK:

- INSTALL (3) AIR6419 ANTENNAS, (1) PER SECTOR
- INSTALL (3) APXVAALL18M-U-J20 ANTENNAS, (1) PER SECTOR
- INSTALL (3) RADIO 4460, (1) PER SECTOR
- INSTALL (3) RADIO 4480, (1) PER SECTOR
- INSTALL NEW FRP SCREEN
- REMOVE EXISTING FRP SCREEN
- REMOVE (3) EXISTING PANEL ANTENNAS, (1) PER SECTOR

EQUIPMENT SCOPE OF WORK:

- INSTALL 12'-6"X9'-0" EQUIPMENT ENCLOSURE
- ADD (1) E6160v2 RADIO CABINET
- ADD (1) B160 BATTERY CABINET
- ADD (2) RP6651
- ADD (1) CSR IXRE V2 ROUTER IN (N) E6160v2
- ADD (2) 6/24 HYBRID TRUNK CABLES - 4AWG 30M
- REMOVE (1) EXISTING BATTERY CABINET
- REMOVE (1) EXISTING RBS EQUIPMENT CABINET
- REMOVE (6) EXISTING TMA'S
- ADD (2) LED OUTDOOR SERVICE LIGHT
- ADD (1) HCS WINDER BOX
- ADD (1) GPS ANTENNA
- REMOVE ALL UNUSED CABLES
- REMOVE EXISTING ROOFTOP EQUIPMENT SCREENING AND EQUIPMENT PLATFORM
- INSTALL EME SIGNAGE PER SHEET EME-1

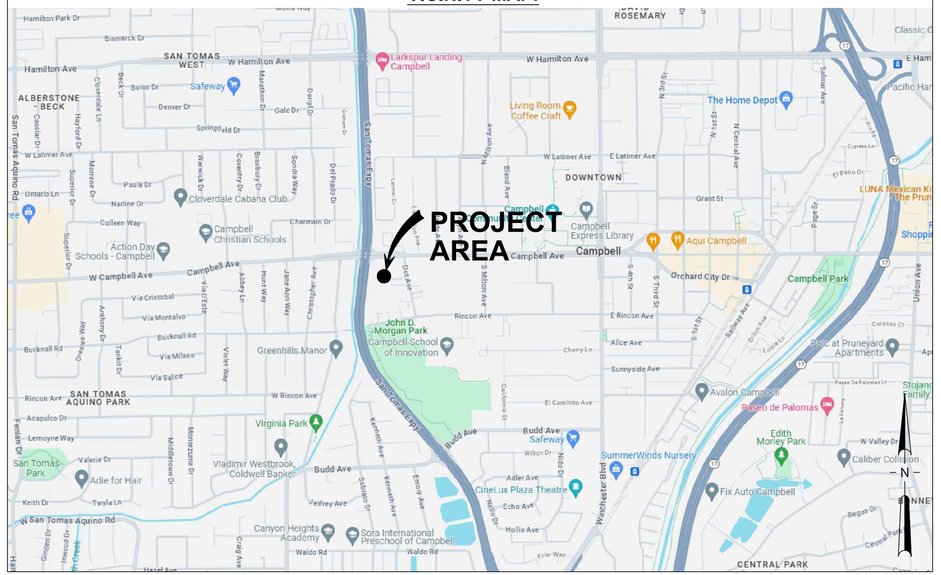
BUILDING SUMMARY:

OCCUPANCY CLASSIFICATION:	B (TELEPHONE EXCHANGE)	
TYPE OF CONSTRUCTION:	V-B	
ZONING:	-	
LEASE AREA:	EQUIPMENT LEASE AREA:	113 SQ.FT
	ANTENNA LEASE AREA:	121 SQ.FT
	TOTAL LEASE AREA:	234 SQ.FT
ASSESSORS PARCEL NUMBER:	305-28-001	

SHEET INDEX:

SHEET NUMBER:	DESCRIPTION:
T-1	TITLE SHEET
T-2	ABBREVIATIONS, SYMBOLS, GENERAL NOTES & SPECIFICATIONS
COA-1	CONDITIONS OF APPROVAL
EME-1	EME SIGNAGE REQUIREMENTS
A-1	SITE PLAN
A-2	ENLARGED SITE PLAN, EQUIPMENT LAYOUTS
A-3	ANTENNA SCHEDULE & ANTENNA LAYOUTS
A-4	ELEVATIONS
A-5	ELEVATIONS
D-1	DETAILS
D-2	DETAILS
D-3	DETAILS
E-1	SINGLE LINE DIAGRAM AND PANEL SCHEDULE
E-2	GROUNDING DETAILS
S-1	GENERAL NOTES
S-2	OVERALL ISOMETRIC VIEW
S-3	ISOMETRIC VIEWS
S-4	VIEWS
S-5	ENCLOSURE TO ROOF CONNECTION
S-6	DETAILS

VICINITY MAP:



CONSULTING TEAM:

SAC/ZONING/PERMITTING:
BUTLER AMERICA
1511 E. ORANGETHORPE AVE., SUITE D
FULLERTON, CA 92831
CONTACT: DEREK TURNER
PROJECT MANAGER
PHONE: (415) 420-4922
EMAIL: dturner@butleramerica.com

DESIGN ENGINEERING:
CONNELL DESIGN GROUP INC
22431 ANTONIO PKWY
SUITE B160-131
RANCHO SANTA MARGARITA, CA 92688
CONTACT: DAN CONNELL
PHONE: (949) 306-4644
EMAIL: dconnell@connelldesigngroup.com

STRUCTURAL ENGINEERING
LUIS A. MENDOZA, P.E.
PRINCIPAL ENGINEER
LADERA ENGINEERING GROUP
PHONE: (949) 338-6143
EMAIL: lmendoza@laderaeg.com

DRIVING DIRECTIONS:

DIRECTIONS FROM THE LOCAL T-MOBILE OFFICE:

1. HEAD EAST TOWARD CONCORD AVE
2. TURN LEFT ONTO NEW DRIVE
3. SHARP LEFT ONTO CONCORD AVE
4. TURN RIGHT ONTO CONTRA COSTA BLVD
5. TURN RIGHT TO MERGE ONTO I-680 S
6. MERGE ONTO I-680 S
7. CONTINUE ONTO I-280 N
8. USE THE RIGHT 2 LANES TO TAKE EXIT 5B TO MERGE ONTO CA-17 S TOWARD SANTA CRUZ
9. KEEP LEFT TO STAY ON CA-17 S
10. USE THE RIGHT LANE TO TAKE THE SAN TOMAS EXPWY EXIT. MERGE ONTO SAN TOMAS EXPY
11. TURN RIGHT ONTO W CAMPBELL AVE
12. DESTINATION WILL BE ON THE RIGHT

APPLICABLE CODES

BUILDING CODE REFERENCE:

ALL WORK IS TO COMPLY WITH THE THE 2022 CALIFORNIA BUILDING STANDARDS CODE (CAL. CODE REGS., TITLE 24):

- 2022 CALIFORNIA BUILDING CODE
- 2022 CALIFORNIA TITLE 24
- 2022 CALIFORNIA FIRE CODE
- 2022 CALIFORNIA ENERGY CODE
- 2022 CALIFORNIA MECHANICAL CODE
- TIA/EIA-222-H OR LATEST EDITION

T-Mobile

PLANS PREPARED BY:

CDG
22431 ANTONIO PKWY
SUITE B160-131
RANCHO SANTA MARGARITA CA 92688
dconnell@connelldesigngroup.com
949-306-4644

CONSULTING GROUP:

Butler America
1511 E. ORANGETHORPE, SUITE D
FULLERTON, CA 92831

NO.	DATE:	DESCRIPTION:	BY:
0	01/28/24	90% CD'S	LE
1	02/23/24	95% CD'S	JPC
2	09/13/24	100% CD'S	DC
3	10/02/24	100% CD'S	DC
4	10/07/24	100% CD'S	DC
5	10/16/24	100% CD'S	DC
6	01/21/25	100% CD'S DESIGN CHANGE	LE
7	02/07/25	100% CD'S	JPC
8	04/25/25	100% CD'S	DC
9	07/11/25	100% CD'S	DC

SITE INFORMATION:
SF0610 CAMPBELL SDA CHURCH
SF70610M
600 W. CAMPBELL AVE
CAMPBELL, CA 95008

SEAL:
LICENSED PROFESSIONAL ENGINEER
DANIEL M CONNELL
C 62543
EXP. 12/31/25
CIVIL
STATE OF CALIFORNIA
DATE STAMPED: 07/11/2025

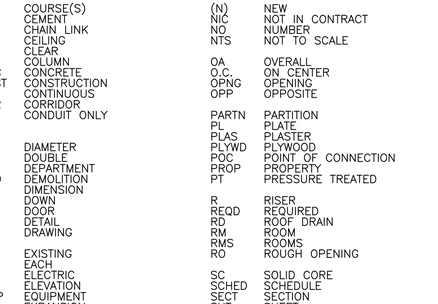
SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
T-1

ABBREVIATIONS

AB	ANCHOR BOLT	LAM	LAMINATED
AC	ASPHALTIC CONCRETE	LBS	POUNDS
A/C	AIR CONDITIONING	LT	LIGHT
ADJ	ADJUSTABLE	LA	LIGHTNING ARRESTOR
A.F.F.	ABOVE FINISH FLOOR	LNA	LOW NOISE AMPLIFIER
ARCH	ARCHITECTURAL		
APPROX	APPROXIMATELY	MFR	MANUFACTURER
A.G.L.	ABOVE GRADE LEVEL	MAT	MATERIAL
A.M.S.L.	ABOVE MEAN SEA LEVEL	MAX	MAXIMUM
		MECH	MECHANICAL
BD	BOARD	MIN	MINIMUM
BLDG	BUILDING	MISC	MISCELLANEOUS
BLKG	BLOCKING	ML	METAL LATH
BOT	BOTTOM	MO	MASONRY OPENING
BSMT	BASEMENT	MS	MACHINE SCREW
BTS	BASE TRANSCEIVER STATION	MTD	MOUNTED
		MTL	METAL
C	COURSE(S)	(N)	NEW
CEM	CEMENT	NIC	NOT IN CONTRACT
CL	CHAIN LINK	NO	NUMBER
CLG	CEILING	NTS	NOT TO SCALE
CLR	CLEAR		
COL	COLUMN	OA	OVERALL
CONC	CONCRETE	O.C.	ON CENTER
CONST	CONSTRUCTION	OPNG	OPENING
CONT	CONTINUOUS	OPP	OPPOSITE
CORR	CORRIDOR		
CO	CONDUIT ONLY	PARTN	PARTITION
		PL	PLATE
DIA	DIAMETER	PLAS	PLASTER
DBL	DOUBLE	PLYWD	PLYWOOD
DEPT	DEPARTMENT	POC	POINT OF CONNECTION
DEMO	DEMOLITION	PROP	PROPERTY
DIM	DIMENSION	PT	PRESSURE TREATED
DN	DOWN		
DR	DOOR	R	RISER
DTL	DETAIL	REQD	REQUIRED
DWG	DRAWING	RD	ROOF DRAIN
		RM	ROOM
(E)	EXISTING	RMS	ROOMS
EA	EACH	RO	ROUGH OPENING
ELEC	ELECTRIC		
ELEV	ELEVATION	SC	SOLID CORE
EQUIP	EQUIPMENT	SCHED	SCHEDULE
EXP	EXPANSION	SECT	SECTION
EXT	EXTERIOR	SHT	SHEET
		SIM	SIMILAR
FA	FIRE ALARM	SPECS	SPECIFICATIONS
FB	FLAT BAR	SS	STAINLESS STEEL
FF	FINISH FLOOR	STL	STEEL
FH	FLAT HEAD	STOR	STORAGE
FIN	FINISH(ED)	STRUCT	STRUCTURAL
FLR	FLOOR	SUSP	SUSPENDED
FOS	FACE OF STUDS	SW	SWITCH
FS	FINISH SURFACE	SWBO	SWITCHBOARD
FT	FOOT, FEET		
FTG	FOOTING	THK	THICK
FW	FINISH WALL	TI	TENANT IMPROVEMENT
F.G.	FINISH GRADE	TMA	TOWER MOUNTED AMPLIFIER
FUT	FUTURE	TOS	TOP OF SURFACE
		TS	TUBE STEEL
GA	GAUGE	TYP	TYPICAL
GALV	GALVANIZED		
GL	GLASS	UNO	UNLESS NOTED OTHERWISE
GR	GRADE	VCT	VINYL COMPOSITION TILE
GYP	GYPSUM	VERT	VERTICAL
GFCI	GROUND FAULT CIRCUIT INTERRUPT	V.I.F.	VERIFY IN FIELD
GND	GROUND	VG	VERTICAL GRAIN
HC	HOLLOW CORE	W/	WITH
HDW	HARDWARE	WD	WOOD
HTR	HEATER	WR	WATER RESISTANT
HM	HOLLOW METAL	WT	WEIGHT
HORIZ	HORIZONTAL		
HR	HOUR	XFMR	TRANSFORMER
HT	HEIGHT		
HV	HIGH VOLTAGE	@	AT
		[	CHANNEL
ID	INSIDE DIMENSION	℄	CENTERLINE
INS	INSULATION	∠	ANGLE
INT	INTERIOR	ℙ	PROPERTY LINE
JT	JOINT		

SYMBOLS:



1	KEY NOTE REFERENCE		PROPERTY LINE
X	DOOR NUMBER	—X—X—X—	FENCING
X	AREA AND/OR ROOM NUMBER	—E—E—E—E—	ELECTRICAL SERVICE
X X	MECHANICAL UNIT	—T—T—T—T—	TELCO SERVICE

GENERAL

1. THESE NOTES SHALL BE CONSIDERED A PART OF THE WRITTEN SPECIFICATIONS.

2. THE CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER OF ANY ERRORS, OMISSIONS, OR DISCREPANCIES AS THEY MAY BE DISCOVERED IN THE PLANS, SPECIFICATIONS, & NOTES PRIOR TO STARTING CONSTRUCTION. INCLUDING BUT NOT LIMITED BY DEMOLITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY ERRORS, OMISSION, OR INCONSISTENCY AFTER THE START OF CONSTRUCTION WHICH HAS NOT BEEN BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER AND SHALL INCUR ANY EXPENSES TO RECTIFY THE SITUATION. THE METHOD OF CORRECTION SHALL BE APPROVED BY THE ARCHITECT/ENGINEER.

3. PRIOR TO STARTING CONSTRUCTION THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES, WHETHER OR NOT SHOWN ON THE PLANS, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR OR SUBCONTRACTOR SHALL BEAR THE EXPENSE OF REPAIRING OR REPLACING ANY DAMAGE TO THE UTILITIES CAUSED DURING THE EXECUTION OF THE WORK.

4. A COPY OF THE APPROVED PLANS SHALL BE KEPT IN A PLACE SPECIFIED BY THE GOVERNING AGENCY, AND BY LAW SHALL BE AVAILABLE FOR INSPECTION AT ALL TIMES. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE ALL CONSTRUCTION SETS REFLECT THE SAME INFORMATION AS THE APPROVED PLANS. THE CONTRACTOR SHALL ALSO MAINTAIN ONE SET OF PLANS AT THE SITE FOR THE PURPOSE OF DOCUMENTING ALL AS-BUILT CHANGES, REVISIONS, ADDENDUM'S, OR CHANGE ORDERS. THE CONTRACTOR SHALL FORWARD THE AS-BUILT DRAWINGS TO THE ARCHITECT/ENGINEER AT THE CONCLUSION OF THE PROJECT.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE SECURITY OF THE SITE FROM START OF PROJECT TO COMPLETION OF PROJECT.

6. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE TEMPORARY POWER, WATER, AND TOILET FACILITIES.

7. ALL CONSTRUCTION THROUGH THE PROJECT SHALL CONFORM TO THE 2022 CBC AND ALL OTHER GOVERNING CODES.

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL SAFETY PRECAUTIONS AND REGULATIONS DURING THE WORK. THE ENGINEER WILL NOT ADVISE ON NOR PROVIDE DIRECTION AS TO SAFETY PRECAUTIONS AND PROGRAMS.

9. THE CONTRACTOR SHALL SUPERVISE AND COORDINATE ALL WORK, USING HIS PROFESSIONAL KNOWLEDGE AND SKILLS. HE IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES AND SEQUENCING AND COORDINATING ALL PORTIONS OF THE WORK.

10. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN AND PAY FOR ALL PERMITS, LICENSES AND INSPECTIONS WITH RESPECT TO THE WORK TO COMPLETE THE PROJECT. BUILDING PERMIT APPLICATIONS SHALL BE FILED BY THE OWNER OR HIS REPRESENTATIVE. CONTRACTOR SHALL OBTAIN THE PERMIT AND MAKE FINAL PAYMENT OF SAID DOCUMENT.

11. ALL DIMENSIONS TAKE PRECEDENCE OVER SCALE UNLESS OTHERWISE NOTED.

12. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BLOCKING, BACKING, FRAMING, HANGERS OR SUPPORTS FOR INSTALLATION OF ITEMS INDICATED ON THE DRAWINGS.

13. THE CONTRACTOR SHALL PROVIDE THE FIRE MARSHALL APPROVED MATERIALS TO FILL/SEAL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES.

14. NEW CONSTRUCTION ADDED TO EXISTING CONSTRUCTION SHALL BE MATCHED IN FORM, TEXTURE, MATERIAL AND PAINT COLOR EXCEPT AS NOTED IN THE PLANS.

15. WHERE SPECIFIED, MATERIALS TESTING SHALL BE TO THE LATEST STANDARDS AVAILABLE AS REQUIRED BY THE LOCAL GOVERNING AGENCY RESPONSIBLE FOR RECORDING THE RESULTS.

16. ALL GENERAL NOTES AND STANDARD DETAILS ARE THE MINIMUM REQUIREMENTS TO BE USED IN CONDITIONS WHICH ARE NOT SPECIFICALLY SHOWN OTHERWISE.

17. ALL DEBRIS AND REFUGE IS TO BE REMOVED FROM THE PROJECT DAILY. PREMISES SHALL BE LEFT IN A CLEAN BROOM FINISHED CONDITION AT ALL TIMES.

18. ALL SYMBOLS AND ABBREVIATIONS ARE CONSIDERED CONSTRUCTION INDUSTRY STANDARDS. IF A CONTRACTOR HAS A QUESTION REGARDING THEIR EXACT MEANING THE ARCHITECT/ENGINEER SHALL BE NOTIFIED FOR CLARIFICATIONS.

19. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE METHODS, TECHNIQUES AND SEQUENCES OF PROCEDURES TO PERFORM THE WORK. THE SUPERVISION OF THE WORK IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

20. CONTRACTORS SHALL VISIT THE SITE PRIOR TO BID TO ASCERTAIN CONDITIONS WHICH MAY ADVERSELY AFFECT THE WORK OR COST THEREOF.

21. THE CONTRACTOR SHALL FIELD VERIFY THE DIMENSION, ELEVATION, ETC. NECESSARY FOR THE PROPER CONSTRUCTION AND ALIGNMENT OF THE NEW PORTION OF THE WORK TO THE EXISTING WORK. THE CONTRACTOR SHALL MAKE ALL MEASUREMENTS NECESSARY FOR FABRICATION AND ERECTION OF STRUCTURAL MEMBERS. AND DISCREPANCY SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT/ ENGINEER.

22. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY ENGINEERS. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR PIER DRILLING AROUND OR NEAR UTILITIES.

23. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND SHALL BE CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF THE ENGINEER.

24. NO CHANGES ARE TO BE MADE TO THESE PLANS WITHOUT THE KNOWLEDGE AND WRITTEN CONSENT OF THE ARCHITECT/ ENGINEER. UNAUTHORIZED CHANGES RENDER THESE DRAWINGS VOID.

25. ANY REFERENCE TO THE WORDS APPROVED, OR APPROVAL IN THESE DOCUMENTS SHALL BE HERE DEFINED TO MEAN GENERAL ACCEPTANCE OR REVIEW AND SHALL NOT RELIEVE THE CONTRACTOR AND/OR HIS SUB-CONTRACTORS OF ANY LIABILITY IN FURNISHING THE REQUIRED MATERIALS OR LABOR SPECIFIED.

26. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HEREON OR NOT, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR ALL EXPENSE OF REPAIR OR REPLACEMENT IN CONJUNCTION WITH THE EXECUTION OF THIS WORK. 10. GENERAL CONTRACTOR SHALL NOTIFY THE ENGINEER AND ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES FOUND WITHIN THE CONTRACT DOCUMENTS, PRIOR TO STARTING WORK.

SITE PREPARATION NOTES:

1. THE PREPARATION OF THE SITE FOR CONSTRUCTION SHALL INCLUDE THE REMOVAL OF ALL BROKEN CONCRETE, TREE TRUNKS AND ANY OTHER DEBRIS THAT WOULD BE DAMAGING TO THE FOOTINGS OF THE NEW STRUCTURE.

2. BACK FILLING AT TRENCHES SHALL BE OF CLEAN, STERILE SOIL HAVING A SAND EQUIVALENT OF 30 OR GREATER. BACK FILLING SHALL BE DONE IN 8 INCH LAYERS, MOISTURE CONDITIONED AND PROPERLY COMPACTED. ADEQUATE DRAINAGE SHALL BE PROVIDED SUCH THAT NO PONDING OCCURS.

3. ALL FOUNDATION FOOTINGS SHALL EXTEND INTO AND BEAR AGAINST NATURAL UNDISTURBED SOIL OR APPROVED COMPACTED FILL. FOOTINGS SHALL EXTEND INTO SOIL DEPTH AS INDICATED IN PLANS.

4. SHOULD ANY LOOSE FILL, EXPANSIVE SOIL, GROUND WATER OR ANY OTHER UNEXPECTED CONDITIONS BE ENCOUNTERED DURING THE EXCAVATION FOR THE NEW FOUNDATION, THE ARCHITECT/ENGINEER SHALL BE NOTIFIED AND ALL FOUNDATION WORK SHALL CEASE IMMEDIATELY.

5. WITHIN AN AREA A MINIMUM OF 5 FEET BEYOND THE BUILDING LIMITS, EXCAVATE A MINIMUM OF 4" OF EXISTING SOIL. REMOVE ALL ORGANICS, PAVEMENT, ROOTS, DEBRIS AND OTHERWISE UNSUITABLE MATERIAL.

6. THE SURFACE OF THE EXPOSED SUBGRADE SHALL BE INSPECTED BY PROBING OR TESTING TO CHECK FOR POCKETS OF SOFT OR UNSUITABLE MATERIAL. EXCAVATE UNSUITABLE SOIL AS DIRECTED BY THE GEOTECHNICAL ENGINEER/TESTING AGENCY.

7. PROOFROLL THE SURFACE OF THE EXPOSED SUBGRADE WITH A LOADED TANDEM AXLE DUMP TRUCK. REMOVE ALL SOILS WHICH PUMP OR DO NOT COMPACT PROPERLY AS DIRECTED BY THE GEOTECHNICAL ENGINEER/TESTING AGENCY.

8. FILL ALL EXCAVATED AREAS WITH APPROVED CONTROLLED FILL. PLACE IN 8" LOOSE LIFTS AND THE MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D-698. COMPACT TO A MINIMUM OF 90% RELATIVE COMPACTION

9. THE STRUCTURAL DRAWINGS HERE IN REPRESENT THE FINISHED STRUCTURE. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY GUYING AND BRACING REQUIRED TO ERECT AND HOLD THE STRUCTURE IN PROPER ALIGNMENT UNTIL ALL STRUCTURAL WORK AND CONNECTIONS HAVE BEEN COMPLETED. THE INVESTIGATION, DESIGN, SAFETY, ADEQUACY AND INSPECTION OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

10. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL PROTECT ALL AREAS FROM DAMAGE WHICH MAY OCCUR DURING CONSTRUCTION. ANY DAMAGE TO NEW OR EXISTING SURFACES, STRUCTURES OR EQUIPMENT SHALL BE IMMEDIATELY REPAIRED OR REPLACED TO THE SATISFACTION OF THE PROPERTY OWNER. THE CONTRACTOR SHALL BEAR THE EXPENSE OF REPAIRING OR REPLACING ANY DAMAGED AREAS.

11. WHEN REQUIRED STORAGE OF MATERIALS OCCURS, THEY SHALL BE EVENLY DISTRIBUTED OVER THE FLOOR OR ROOF SO AS NOT TO EXCEED THE DESIGNED LIVE LOADS FOR THE STRUCTURE. TEMPORARY SHORING OR BRACING SHALL BE PROVIDED WHERE THE STRUCTURE OR SOIL HAS NOT ATTAINED THE DESIGN STRENGTH FOR THE CONDITIONS PRESENT.

12. BEFORE PROCEEDING WITH ANY WORK WITHIN THE EXISTING FACILITY, THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH EXISTING STRUCTURAL AND OTHER CONDITIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL NECESSARY BRACING, SHORING AND OTHER SAFEGUARDS TO MAINTAIN ALL PARTS OF THE EXISTING WORK IN A SAFE CONDITION DURING THE PROCESS OF DEMOLITION AND CONSTRUCTION AND TO PROTECT FROM DAMAGE THOSE PORTIONS OF THE EXISTING WORK WHICH ARE TO REMAIN.

SUBMITTALS:

SUBMITTALS: SUBMITTALS FOR SHOP DRAWINGS, MILL TESTS, PRODUCT DATA, ETC. FOR ITEMS DESIGNED BY THE ARCHITECT/ ENGINEER OF RECORD SHALL BE MADE TO THE ARCHITECT/ENGINEER PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL REVIEW THE SUBMITTAL BEFORE FORWARDING TO THE ARCHITECT. SUBMITTALS SHALL BE MADE IN ADVANCED TO ARCHITECT-ENGINEER. SUBMITTALS REQUIRED FOR EACH SECTION OF THESE NOTES ARE SPECIFIED IN THAT SECTION.

SHOP DRAWING REVIEW:

REVIEW BY THE ARCHITECT/ENGINEER IS FOR GENERAL COMPLIANCE WITH THE DESIGN CONCEPT AND THE CONTRACT DOCUMENTS. MARKINGS OR COMMENTS SHALL NOT BE CONSTRUED AS RELIEVING THE CONTRACTOR FROM COMPLIANCE WITH THE PROJECT PLANS AND SPECIFICATIONS, NOR DEPARTURES THRERFROM. THE CONTRACTOR REMAINS RESPONSIBLE FOR DETAILS AND ACCURACY, FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, FOR SELECTION FABRICATION PROCESSES.

ACCESSIBILITY NOTE:

THE TELECOMMUNICATIONS EQUIPMENT SPACE SHOWN HEREON THESE PLANS IS NOT CUSTOMARILY OCCUPIED. WORK TO BE PERFORMED IN THIS FACILITY CANNOT REASONABLY BE PERFORMED BY PERSONS WITH A SEVERE IMPAIRMENT: MOBILITY, SIGHT, AND/OR HEARING. THEREFORE, PER 2022 CALIFORNIA BUILDING CODE SECTION 1103B.1 EXCEPTION 1, THIS FACILITY SHALL BE EXEMPTED FROM ALL TITLE 24 ACCESS REQUIREMENTS.

BID WALK NOTES:

1. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONSTRUCTION CONDITIONS BEFORE SUBMITTAL OF FINAL BIDS, START OF CONSTRUCTION AND/OR FABRICATION. AFTER THOROUGHLY EXAMINING THE PLANS AND EXISTING SITE CONDITIONS NOTIFY THE ENGINEER IN WRITING OF ANY OMISSIONS/DISCREPANCIES, OR ANY ITEMS NEEDING CLARIFICATION PRIOR TO SUBMITTING FINAL BIDS.

2. IF THE ENGINEER IS NOT NOTIFIED OF ANY OMISSIONS/DISCREPANCIES OR CLARIFICATIONS IN WRITING AS DESCRIBED IN #1 IT WILL BE CONFIRMED THAT THE CONTRACTOR HAS CONSIDERED ALL ITEMS THAT WILL AFFECT THE COST OF THE CONSTRUCTION OF THE SITE UNDER THE MOST STRINGENT CONDITIONS. THE CONTRACTOR WILL NOT BE ENTITLED TO ANY ADDITIONAL COMPENSATION AFTER FINAL BIDS HAVE BEEN SUBMITTED AND AWARDED FROM CARRIER.

STRUCTURAL STEEL:

1. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE LATEST REVISED EDITION OF THE AISC MANUAL OF STEEL CONSTRUCTION, WHICH INCLUDES THE SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, THE CODE OF STANDARD PRACTICE AND THE AWS STRUCTURAL WELDING CODE. IDENTIFY AND MARK STEEL PER CBC 2203.

2. STRUCTURAL STEEL SHOP DRAWINGS SHALL BE REVIEWED BY THE ENGINEER/ARCHITECT PRIOR TO FABRICATION.

3. GROUTING OF COLUMN BASE PLATES: BASE PLATES SHALL BE DRYPACKED OR GROUTED WITH NON-SHRINK, NON-FERROUS GROUT. MINIMUM COMPRESSIVE STRENGTH SHALL BE 4,000 PSI AT 28 DAYS. ALL SURFACES SHALL BE PROPERLY CLEANED OF FOREIGN MATERIAL PRIOR TO GROUTING.

4. ALL EXPOSED WELDS SHALL BE FILLED AND GROUND SMOOTH WHERE METAL COULD COME IN CONTACT WITH THE PUBLIC.

5. NO HOLES OTHER THAN THOSE SPECIFICALLY DETAILED SHALL BE ALLOWED THRU STRUCTURAL STEEL MEMBERS. BOLT HOLES SHALL CONFORM TO AISC SPECIFICATION, AND SHALL BE STANDARD HOLES UNLESS OTHERWISE NOTED. NO CUTTING OR BURNING OF STRUCTURAL STEEL WILL BE PERMITTED WITHOUT PRIOR CONSENT OF THIS ENGINEER.

6. WELDING: CONFORM TO AWS D1 1. WELDERS SHALL BE CERTIFIED IN ACCORDANCE WITH WABO REQUIREMENTS. USE E70 ELECTRODES OF TYPE REQUIRED FOR MATERIALS TO BE WELDED.

7. BOLTING:
ASTM A307 BOLTS SHALL BE INSTALLED "SNUG TIGHT" PER AISC. SECTION RCSC 8(C) ASTM A325 BOLTS SHALL CONFORM TO THE RCSC SPECIFICATION SECTION 8 (D).

8. FABRICATION: CONFORM TO AISC SPECIFICATION SEC M2 "FABRICATION" AND AISC CODE SEC 6 "FABRICATION AND DELIVERY" PERFORM WORK ON PREMISES OF A FABRICATOR APPROVED BY THE BUILDING OFFICIAL.

9. GALVANIZING: ALL EXPOSED STEEL OUTSIDE THE BUILDING ENVELOPE SHALL BE HOT-DIPPED GALVANIZED. APPLY FIELD TOUCH-UPS PER SPECIFICATIONS. PER ASTM A153.

STRUCTURAL STEEL:

MATERIALS: CONFORM TO	
ANCHOR BOLTS (HEADED):	ASTM A307
ANCHOR BOLTS (J-TYPE):	ASTM A36
BARS & PLATES:	ASTM A36
BOLTS:	ASTM A307
C-, M-, AND ANGLE SHAPES:	ASTM A36
DEFORMED WELDED WIRE FABRIC:	ASTM A497
EPOXY & EXPANSION ANCHORS:	HILTI OR EQUIVALENT
GROUT:	EMBECO OR EQUIVALENT
HIGH-STRENGTH BOLTS:	ASTM A325SC OR (A325N)
OTHER STRUCTURAL SHAPES:	ASTM A36
REINFORCING BARS:	ASTM A615. GRADE 60, DEFORMED BARS
SMOOTH WELDED WIRE FABRIC:	ASTM A185
STRUCTURAL WF SHAPES:	ASTM A572-GR50
STEEL PIPE:	ASTM A53, GRADE B
TIE WIRE:	16.5 GAGE OR HEAVIER, BLACK ANNEALED
TUBE STEEL & PIPE COLUMNS:	ASTM A500, GRADE B
WELDING ELECTRODES:	E70XX
W - SHAPES:	ASTM A992, GRADE 50

STRUCTURAL STEEL NOTES:

1. HOLES IN STEEL SHALL BE DRILLED OR PUNCHED. ALL SLOTTED HOLES SHALL BE PROVIDED WITH SMOOTH EDGES. BURNING OF HOLES AND TORCH CUTTING AT THE SITE IS NOT PERMITTED.

2. ALL FRAMING CONNECTORS SUCH AS CONCRETE ANCHORS, HOLD-DOWNS, POST BASES, FRAMING CAPS, HANGER AND OTHER MISCELLANEOUS STRUCTURAL METALS SHALL BE AS MANUFACTURED BY SIMPSON STRONG TIE CO. OR APPROVED EQUAL.

DISCLAIMER NOTE:

THE DESIGN SHOWN IN THESE PLANS ASSUME THAT ALL EXISTING STRUCTURAL ITEMS ARE IN "LIKE NEW" CONDITION AND THAT THE STRUCTURES HAVE BEEN PROPERLY MAINTAINED BY THE OWNER, INCLUDING ALL TOWER AND BUILDING COMPONENTS.

INSTALLATION PROCEDURES AND RELATED LOADINGS ARE NOT WITHIN THE SCOPE OF THIS DESIGN/DRAWING. A CONTRACTOR EXPERIENCED IN SIMILAR WORK SHOULD PERFORM ALL INSTALLATION WORK. THE ENGINEERING SERVICES PROVIDED BY CDG ARE LIMITED TO THE DESIGN OF THE STRUCTURE WITH THE PROPOSED AND EXISTING LOADS. THESE DRAWINGS ARE CONSIDERED VOID IF THE LOADING MENTIONED IN THESE DRAWINGS IS CHANGED OR IS DIFFERENT AS INSTALLED. IT IS ASSUMED THAT THE EXISTING STRUCTURE IS PROPERLY MAINTAINED AND IS IN GOOD CONDITION FREE OF ANY DEFECTS. ALSO THE VERIFICATION OF ANCHORAGE, PLATE AND BOLTS ARE NOT CHECKED AS COMPLETE ENGINEERING DATA IN NOT AVAILABLE FOR VERIFICATION. THE SCOPE OF THESE DRAWINGS DOES NOT INCLUDE EXISTING CONNECTIONS, EXCEPT AS NOTED. ALL EXISTING & PROPOSED ANTENNA/STRUCTURE DATA WAS PROVIDED BY OWNER. CDG IS NOT RESPONSIBLE FOR THE ACCURACY OF ANY EXISTING DATA.

THESE DRAWINGS GENERATED BY CDG ARE FOR THE SCOPE GIVEN BY CDG, INC. AND THEIR CLIENT ONLY. WE DISCLAIM ANY RESPONSIBILITY OF THIS DRAWING BEING USED BY ANY PARTY OTHER THAN OUR CLIENT. CDG DOES NOT MAKE ANY WARRANTIES, EXPRESSED OR IMPLIED IN CONNECTION WITH THIS ENGINEERING DRAWING AND DISCLAIMS ANY LIABILITY ARISING FROM DEFICIENCIES OR ANY EXISTING CONDITIONS OF THE ORIGINAL STRUCTURE. CDG WILL NOT BE RESPONSIBLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES SUSTAINED BY ANY PARTIES AS A RESULT OF ANY DATA OR CONCLUSIONS INCLUDED IN THIS DRAWING. THE MAXIMUM LIABILITY OF CDG PURSUANT TO THIS DRAWING SHALL BE LIMITED TO THE CONSULTING FEE RECEIVED FOR THE PREPARATION OF THE REPORT. ALL SERVICES ARE PERFORMED, RESULTS OBTAINED AND RECOMMENDATIONS MADE ARE IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING PRINCIPLES AND PRACTICES. CDG IS NOT RESPONSIBLE FOR THE CONCLUSIONS, OPINIONS AND RECOMMENDATIONS MADE BY OTHERS BASED ON THE INFORMATION OR DATA PROVIDED BY US.

T-Mobile

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NO.	DATE:	DESCRIPTION:	BY:
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9	07/11/25	100% CD'S	DC

SITE INFORMATION:

SF0610 CAMPBELL SDA CHURCH

SF70610M

600 W. CAMPBELL AVE
CAMPBELL, CA 95008

SEAL:



DATE STAMPED: 07/11/2025

SHEET TITLE:

ABBREVIATIONS, SYMBOLS, GENERAL NOTES & SPECIFICATIONS

SHEET NUMBER:

T-2

SF0610A

CITY OF CAMPBELL
ADMINISTRATIVE ACTION OF THE
COMMUNITY DEVELOPMENT DIRECTOR
JULY 19, 2004

PLN2004-74 Estes, J. Application of Ms. Jennifer Estes, on behalf of Metro PCS PCS, for approval of a Site and Architectural Review Permit to allow the establishment of a new stealth wireless telecommunications facility located at **600 W. Campbell Avenue** in a P-F (Public Facilities) Zoning District.

PROJECT DESCRIPTION
The project consists of the installation of a stealth wireless telecommunications facility on the roof of an existing church located at 600 W. Campbell Avenue.

LOCATION
The subject property is located on the southeast corner of West Campbell Avenue and San Tomas Expressway. The uses surrounding the property include the Santa Clara Valley Water District pump station to the north, residences to the south and east, and San Tomas Expressway to the west.

DISCUSSION
The entire lease area for the facility will be located on the roof of the church and consists of three panel antennas and the associated equipment cabinets. The three panel antennas will be concealed inside a faux chimney that is identical to another rooftop chimney on the church. The height of the top of the roof pitch is 42 feet, 11 inches. The height of the faux chimney concealing the antennas is 45 feet, which allows the antenna centerline to be at 42 feet, 11 inches.

The three equipment cabinets will be located near the churches existing air conditioning units on the roof. The equipment cabinets will be concealed within a six-foot, six-inch roof screen that will be constructed to look like the roof.

The Community Development Director has found that the proposed facility is a stealth facility as defined in the Wireless Telecommunications Facilities Ordinance.

The facility will be unmanned and operate 24 hours a day, seven days a week. The facility will be serviced approximately once a month by a technician, except in the event of an emergency. The operation of the facility will not have an effect on the existing parking for the church and no additional parking is required for this project.

PLN2004-74 – 600 W. Campbell Avenue
Site and Architectural Review Permit
Page 2 of 2

The applicant submitted a report prepared by Hammett & Edison, Inc. to evaluate the facility for compliance with federal standards limiting human exposure to radio frequency electromagnetic fields. The report concluded that the proposed location site will be within the federal standards and will not have a detrimental effect on the environment.

Attachments:
1. Findings for Approval of PLN2004-74
2. Conditions of Approval for PLN2004-74
3. Project Plans

Prepared by: Stephanie Willsey
Stephanie Willsey, Planner I

Attachment #1

FINDINGS FOR APPROVAL OF FILE NO. PLN2004-74

SITE ADDRESS: 600 W. Campbell Avenue
APPLICANT: Jennifer Estes
DATE: July 19, 2004

Findings for approval of a Site and Architectural Review Permit to allow the installation of a stealth wireless telecommunications facility located at 600 W. Campbell Avenue.

The Community Development Director finds as follows with regard to File No. PLN2004-74:

1. Wireless telecommunication facilities are permitted in the P-F (Public Facilities) Zoning District. Projects that meet the definition of a stealth facility may be approved by the Community Development Director with the granting of a Site and Architectural Review Permit.
2. The placement of the antennas on the roof integrates well with the existing use of the property as a church and provides limited visibility of the antennas from public view.
3. The three panel antennas will be concealed inside a faux chimney that is identical to another rooftop chimney on the church. The installation of the new panel antennas inside a faux chimney will result in less visual clutter in the long term and reduce overall visual impacts.
4. The height of the top of the roof pitch is 42-feet, 11-inches. The height of the faux chimney concealing the antennas is 45-feet, which allows the antenna centerline to be at 42-feet, 11-inches.
5. The three equipment cabinets will be located near the churches existing air conditioning units on the roof and will be concealed within a six-foot, six-inch roof screen that will be constructed to look like the roof.
6. The facility will be unmanned and operate 24 hours a day, seven days a week. The facility will be serviced approximately once a month by a technician, except in the event of an emergency.
7. The operation of the facility will not have an effect on the existing parking and no additional parking is required for this project.
8. The project qualifies as Categorically Exempt under Section 15303, Class 3 of the California Environmental Quality Act (CEQA) pertaining to the installation of new small facilities and structures.

Based upon the foregoing findings of fact, the Community Development Director further finds and concludes that:

1. The proposed project is consistent with the General Plan and the Zoning Code.

Attachment #1
Page 2 of 2

2. The proposed project as conditioned will aid in the harmonious development of the immediate area.
3. The establishment, maintenance or operation of the use, as conditioned, will not be detrimental to the health, safety, peace, morals, comfort, or general welfare of persons residing or working in the neighborhood of such proposed use, or be detrimental or injurious to property and improvements in the neighborhood or to the general welfare of the City.
4. There is a reasonable relationship between the use of the fees imposed upon the project and the type of development project.
5. There is a reasonable relationship and a rough proportionality between the conditions of approval and the impacts of the project.
6. The project is not located in a particularly sensitive environment; and no substantial evidence has been presented to suggest that there is a possibility that significant environmental impacts would result from the project.

Attachment #2

CONDITIONS OF APPROVAL FOR FILE NO. PLN2004-74

SITE ADDRESS: 600 W. Campbell Avenue
APPLICANT: Jennifer Estes
DATE: July 19, 2004

The applicant is hereby notified, as part of this application, that he/she is required to meet the following conditions in accordance with the ordinances of the City of Campbell and the State of California. Where approval by the Community Development Director, City Engineer, Public Works Director, City Attorney, or Fire Department is required, that review shall be for compliance with all applicable conditions of approval, adopted policies and guidelines, ordinances, laws and regulations, and accepted engineering practices for the item under review. Additionally, the applicant is hereby notified that he/she is required to comply with all applicable Codes or Ordinances of the City of Campbell and the State of California that pertain to this development and are not herein specified:

COMMUNITY DEVELOPMENT DEPARTMENT

Planning Division:

1. Approved Project: Approval is granted for a Site and Architectural Permit to allow the establishment of a stealth wireless telecommunications facility located at 600 W. Campbell Avenue. Project approval shall substantially comply with project plans prepared by Metro PCS and stamped as received by the Planning Division on July 14, 2004, except as modified by the conditions of approval contained herein.
2. Development Approval Expiration: All conditions of approval specified herein must be completed and the facility established on the site within one year from the date of approval or the Site and Architectural Review Permit shall be void.
3. Length of Permit Term: This Site and Architectural Review Permit shall expire five years from the date of permit approval, on July 19, 2009. If the use is to continue, the applicant shall apply for a new permit for an additional five-year period. If technological improvements or developments occur which allow the use of materially smaller or less visually obtrusive equipment at this time, the service provider will be required to replace or upgrade the approved facility upon application for a new Site and Architectural Review Permit application to minimize adverse effects related to land use compatibility, visual resources, public safety or other environmental factors.
4. Maintenance of Finish: It is an ongoing obligation of the applicant, assignees and successors in interest to maintain the exterior finish of the structures and equipment approved by this permit in good order. Faded, peeling or damaged materials shall be repaired or replaced as soon as practical. Graffiti shall be removed by repainting the surface of the structure or equipment as soon as practical.
5. Cessation of Operations: The service provider shall provide written notification to the Director upon cessation of operations on the site exceeding a 90-day period. The service

Attachment #2
Page 2 of 4

provider shall remove all obsolete or unused facilities from the site within 180 days of termination of its lease with the property owner or cessation of operations, whichever comes earlier.

6. New Permit Required: If a consecutive period of 180 days has lapsed since cessation of operations, a new Site and Architectural Review Permit or Use Permit shall be required prior to use or reuse of the site.
7. Utilities: All new on-site utilities shall be installed underground per Section 20.18.140 of the Campbell Municipal Code. The applicant shall comply with all plan submittals, permitting and fee requirements of the serving utility companies.
8. Cables: All external cables or equipment shall be obscured from public view by enclosing them in architecturally designed cabinets/enclosures painted to match the structure.
9. Business License Required: Each service provider with a wireless telecommunication facility in the City shall obtain a city business license.
10. Compatibility With City Emergency Services: The facility shall not be operated, nor caused to transmit on or adjacent to any radio frequencies licensed to the City for emergency telecommunication services such that the City's emergency telecommunications system experiences interference.
11. Lighting: The use of lighting shall not be allowed on telecommunication facilities unless required as a public safety measure. Where lighting is used, it shall be shielded from public view and operated only during times of necessity by a maintenance operator.
12. No Advertising: No advertising signage or identifying logos shall be displayed on wireless telecommunications facilities, except for small identification plates used for emergency notification or hazardous or toxic materials warning.
13. Noise: The wireless telecommunication facility, including power source, ventilation and cooling facility, shall not generate noise discernible beyond the property lines.
14. Back-Up Generators: Backup generators shall only be operated during power outages or for testing and maintenance between the hours of 8:00 a.m. and 5:00 p.m., Monday through Friday.
15. Heat Generation: The wireless telecommunication facility, including power source and cooling facility, shall not be operated so as to cause the generation of heat that adversely affects any building occupant.
16. Odors: The testing of back-up generators shall not produce odors that adversely affect the public.
17. Maintenance Hours: Normal maintenance activities shall only occur between the hours of 8:00 a.m. to 5:00 p.m. Monday through Saturday, excluding emergency repairs.

Attachment #2
Page 3 of 4

18. Security Required: Prior to issuance of a building permit, the applicant shall provide a cash deposit or other reasonable form of security satisfactory to the City Attorney, in an amount reasonably sufficient to cover the cost of the removal of the facility in the event that its use is abandoned or its Site and Architectural Review Permit expires or is terminated and the equipment is not voluntarily removed. An estimate of the cost of removal shall be provided for review by the City prior to submittal of security.
19. Safety:
    a. Public Access Restricted: Antennas are to be sited in such a way and barriers and signage provided to prevent a person from passing within the safety limits established by the FCC-adopted standards for controlled access.
    b. Warning Signs: Signage shall be maintained at the facility identifying all wireless telecommunication facility equipment and safety precautions for people nearing the equipment as may be required by any applicable FCC-adopted standards, including the RF radiation hazard warning symbol identified in ANSI C95.2-1982, to notify persons that the facility could cause exposure to RF emissions.
    c. Emissions Conditions: It is a continuing condition of this authorization that the facilities be operated in such a manner so as not to contribute to ambient RF/EMF emissions in excess of then current FCC adopted RF/EMF emission standards; violation of this condition shall be grounds for revocation.
    d. Emergency Contact: The service provider shall provide signage as required, including phone numbers of the utility provider, for use in case of an emergency. The signs shall be visibly posted at the communications equipment cabinet.

Building Division:

20. Permits Required: A building permit application shall be required for the project. The building permit shall include Electrical/Plumbing/Mechanical fees when such work is part of the permit.
21. Construction Plans: The conditions of approval shall be stated in full on the cover sheet of construction plans submitted for building permit.
22. Size of Plans: The size of construction plans submitted for building permits shall be 24 inches by 36 inches.
23. Plan Preparation: This project requires plans prepared under the direction and oversight of a California licensed Engineer or Architect. Plans submitted for building permits shall be "wet stamped" and signed by the qualifying professional person.
24. Site Plan: Application for building permit shall include a competent site plan that identifies property and proposed structures with dimensions and elevations as appropriate. Site plan

Attachment #2
Page 4 of 4

shall also include site drainage details. Site address and parcel numbers shall also be clearly called out. Site parking and path of travel to public sidewalks shall be detailed.

25. Special Inspections: When a special inspection is required by U.B.C. Section 1701, the architect or engineer of record shall prepare an inspection program that shall be submitted to the Building Official for approval prior to issuance of the building permits, in accordance with U.B.C. Section 106.3.5. Please obtain City of Campbell, Special Inspection forms from the Building Inspection Division Counter.
26. Non-point Source Pollution: The City of Campbell, standard Santa Clara Valley Non-point Source Pollution Control Program specification sheet shall be part of plan submittal. The specification sheet (size 24" X 36") is available at the Building Division service counter.
27. Other Agency Approvals: The project requires the following agency approval prior to issuance of the building permit:
    a. Santa Clara County Fire Department

T··Mobile·

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SUITE B160-131
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dconnell@connelldesigngroup.com
949-306-4644

CONSULTING GROUP:
Butler America
1511 E. ORANGETHORPE, SUITE D
FULLERTON, CA 92831

NO.	DATE:	DESCRIPTION:	BY:
0	01/28/24	90% CD'S	LE
1	02/23/24	95% CD'S	JPC
2	09/13/24	100% CD'S	DC
3	10/02/24	100% CD'S	DC
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5	10/16/24	100% CD'S	DC
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7	02/07/25	100% CD'S	JPC
8	04/25/25	100% CD'S	DC
9	07/11/25	100% CD'S	DC

SITE INFORMATION:
SF0610 CAMPBELL
SDA CHURCH
SF70610M
600 W. CAMPBELL AVE
CAMPBELL, CA 95008

SEAL:
LICENSED PROFESSIONAL ENGINEER
DANIEL M O'CONNELL
C 62543
EXP. 12/31/25
CIVIL
STATE OF CALIFORNIA
DATE STAMPED: 07/11/2025

SHEET TITLE:
CONDITIONS OF APPROVAL

SHEET NUMBER:
COA-1

Site ID: SF70610M

6.0 Safety Recommendations

Occupational Safety and Health Administration (OSHA) Requirements

OSHA requires that those in the Occupational classification must complete training in RF Safety, RF Awareness, and Utilization of Personal Protective Equipment. OSHA also provides options for Hazard Prevention and Control:

Hazard Prevention	Control
• Utilization of good equipment • Enact control of hazard areas • Limit exposures • Employ medical surveillance and accident response	• Employ Lockout/Tag out • Utilize personal alarms & protective clothing • Prevent access to hazardous locations • Develop or operate an administrative control program

Table 5

RF Signage and Barriers

All RF signs should be obeyed by at all times.



Figure 3

If there are workers in an area with a sign that they do not understand, they can call the NOC Number at 877-611-5868 for guidance.

Site ID: SF70610M

8.0 Compliance Measures

The site needs the following mitigation and/or compliance plan.

The compliance determination is based on theoretical modeling, RF signage placement recommendations, proposed antenna inventory and the level of restricted access to the antennas at the site. At the time of our analysis, T-Mobile will be complaint with the FCC rules and regulations, as described in OET Bulletin 65 upon implementation of below remediation and/or compliance recommendations.

On building :

Recommendations for Site Compliance	Signages on Access Points, Sectors & Equipment								Enclosing Sectors			
	Guidelines		NOC INFO		NOTICE		CAUTION	WARNING	Sign	Count	Length	Barrier & Chain
Access Point(s)	☐		☐		☐		☐	☐	☐			Barrier & Chain
Sector Alpha	☐		☐		☑	1	☐	☐	☐			Barrier & Chain
Sector Beta	☐		☐		☑	1	☐	☐	☐			Barrier & Chain
Sector Gamma	☐		☐		☑	1	☐	☐	☐			Barrier & Chain
Equipment/BTS	☑	1	☑	1	☑	1	☐	☐	☐			Barrier & Chain
Total Signage	1		1		4		0	0	0		0 ft.	

Table 6

CAUTION: - The table above represents EVERY compliance item that MUST be implemented by the carrier at the site location; please see the Site Plan shown in diagram 1.

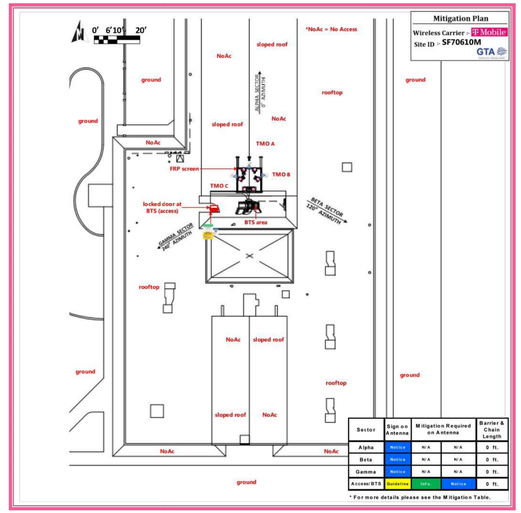
It is recommended to have periodic inspections of the components that are involved in the radiation of RF energy. Periodic Electromagnetic Emission (EME) measurement should be conducted to reevaluate the RF radiation level at this site.

GTA recommends that T-Mobile and the authorized personal at the site take additional measures to ensure that persons accessing the roof (for example, roofers or other maintenance workers) are informed of areas where RF levels exceed the FCC general population limit and made aware that these areas must be avoided to maintain compliance with FCC requirements. This is important especially when the placement of barriers, striping, taping, or any other positive access control (areas of the roof that exceed the RF levels of the general population limit) is not possible due to the physical construction or constraints or safety measures surrounding the antennas or on the roof like the sloped roof, tiled roof, chimney, steeples, cupolas, hilly terrain, etc.

It is further recommended to distribute this report to anyone accessing the roof and ensure the confirmation that it has been read and understood.

Site ID: SF70610M

Diagram 1: Site Scale Plan





NOTE:
EME INFORMATION SHOWN FOR REFERENCE ONLY, REFER TO RF-EME COMPLIANCE REPORT BY GTA DATED SEPTEMBER 30, 2024 FOR ADDITIONAL INFORMATION AND REQUIREMENTS

T-Mobile

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SF70610M
600 W. CAMPBELL AVE
CAMPBELL, CA 95008

SEAL:


DATE STAMPED: 07/11/2025

SHEET TITLE:
EME SIGNAGE REQUIREMENTS

SHEET NUMBER:
EME-1

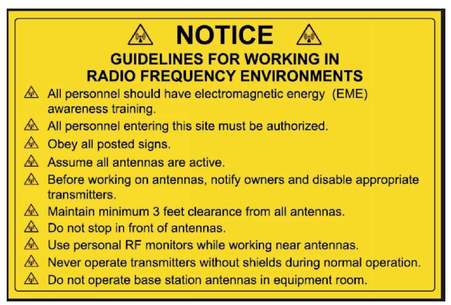
EME REPORT PAGES 1

T-Mobile
IN CASE OF EMERGENCY
---CALL---
1-888-662-4662
SITE NO: SF70610M
SITE NAME: SF0610 CAMPBELL SDA CHURCH

EMERGENCY CONTACT SIGN 6



SIGN DETAIL 5



SIGN DETAIL 4

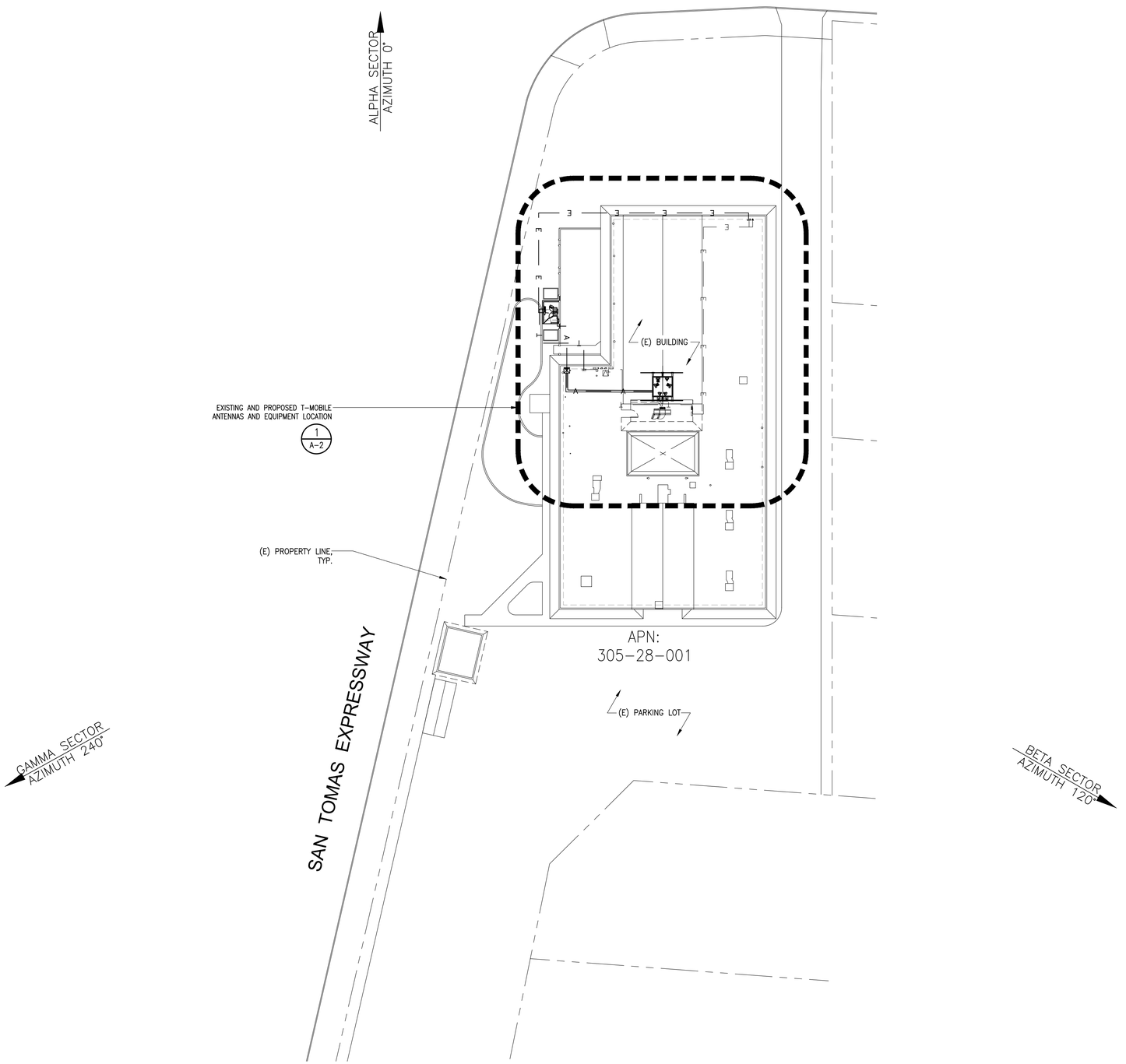


SIGN DETAIL 3



SIGN DETAIL 2

NOTE:
SITE PLAN IS PRELIMINARY AND DONE WITHOUT THE BENEFIT OF A LAND SURVEY.



SITE PLAN

SCALE: 1"=30'-0" | 0 15' 30' | 1

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3	10/02/24	100% CD'S	DC
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5	10/16/24	100% CD'S	DC
6	01/21/25	100% CD'S DESIGN CHANGE	LE
7	02/07/25	100% CD'S	JPC
8	04/25/25	100% CD'S	DC
9	07/11/25	100% CD'S	DC

SITE INFORMATION:

SF0610 CAMPBELL SDA CHURCH

SF70610M

600 W. CAMPBELL AVE
CAMPBELL, CA 95008

SEAL:

LICENSED PROFESSIONAL ENGINEER
DANIEL M CONNELL
C 62543
EXP. 12/31/25
CIVIL
STATE OF CALIFORNIA

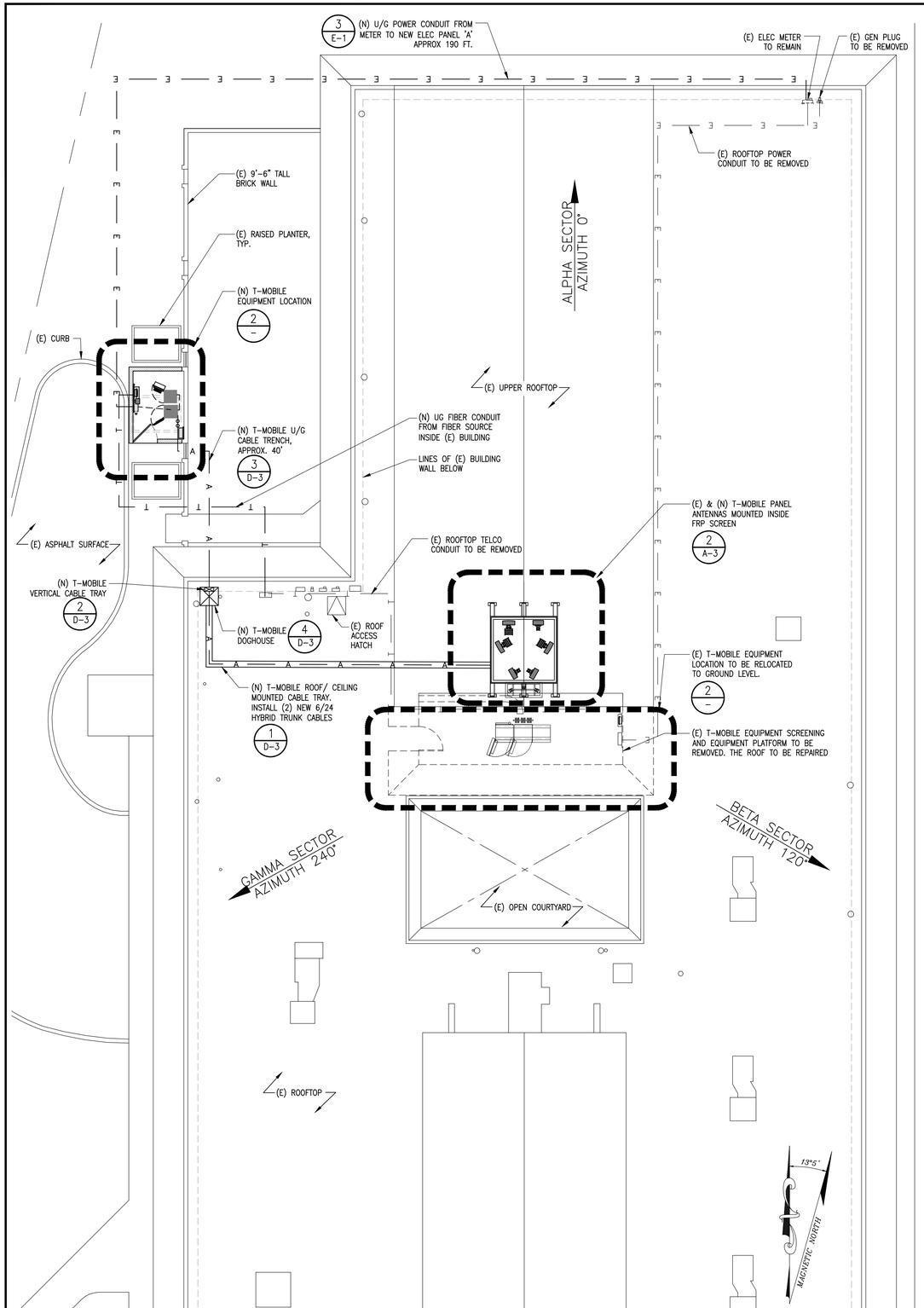
DATE STAMPED: 07/11/2025

SHEET TITLE:

SITE PLAN

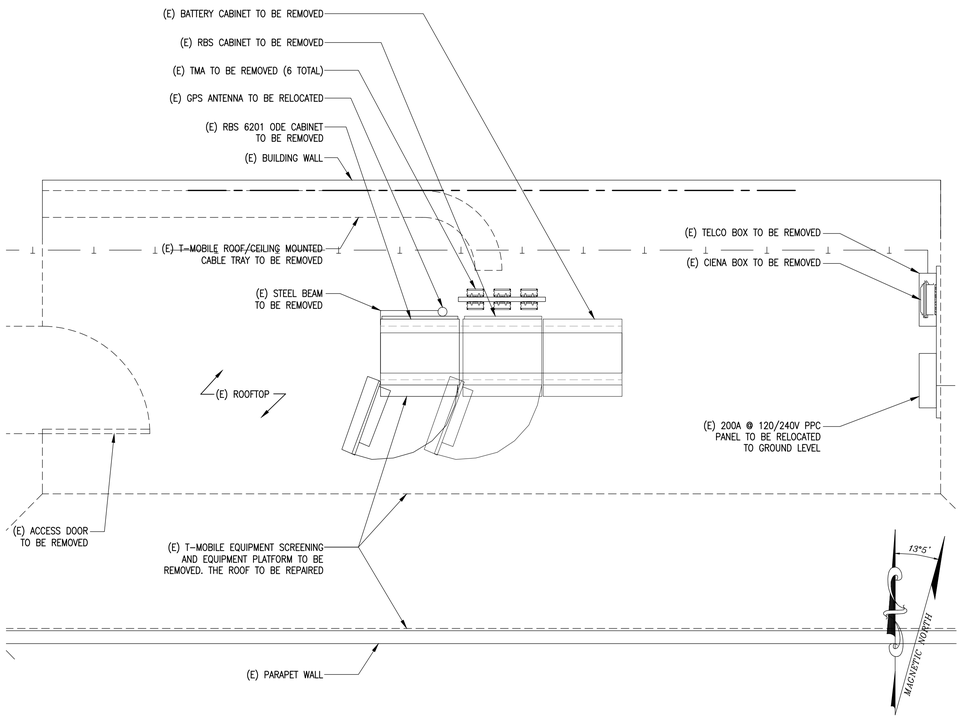
SHEET NUMBER:

A-1



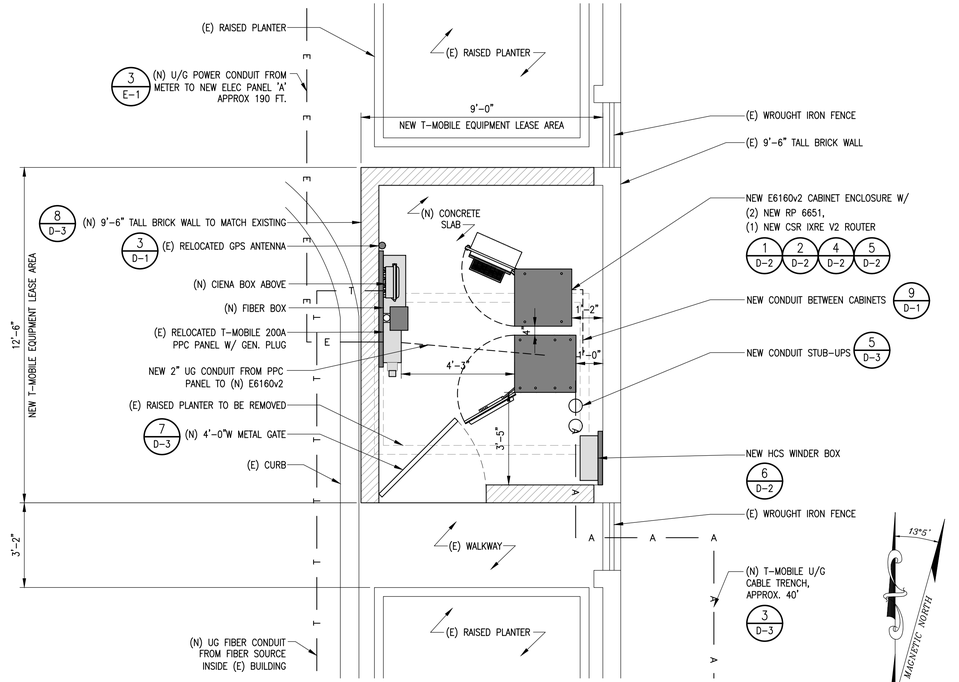
ENLARGED SITE PLAN

SCALE: 1"=10'-0" | 0 5' 10' | 1



(E) EQUIPMENT LAYOUT

SCALE: 3/8"=1'-0" | 0 1' 2' 3' | 2



NEW EQUIPMENT LAYOUT

SCALE: 3/8"=1'-0" | 0 1' 2' 3' | 3

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PLANS PREPARED BY:

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CONSULTING GROUP:

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FULLERTON, CA 92831

NO.	DATE:	DESCRIPTION:	BY:
0	01/28/24	90% CD'S	LE
1	02/23/24	95% CD'S	JPC
2	09/13/24	100% CD'S	DC
3	10/02/24	100% CD'S	DC
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CIVIL
STATE OF CALIFORNIA

DATE STAMPED: 07/11/2025

SHEET TITLE:

ENLARGED SITE PLAN, EQUIPMENT LAYOUTS

SHEET NUMBER:

A-2

EXISTING ANTENNA SCHEDULE

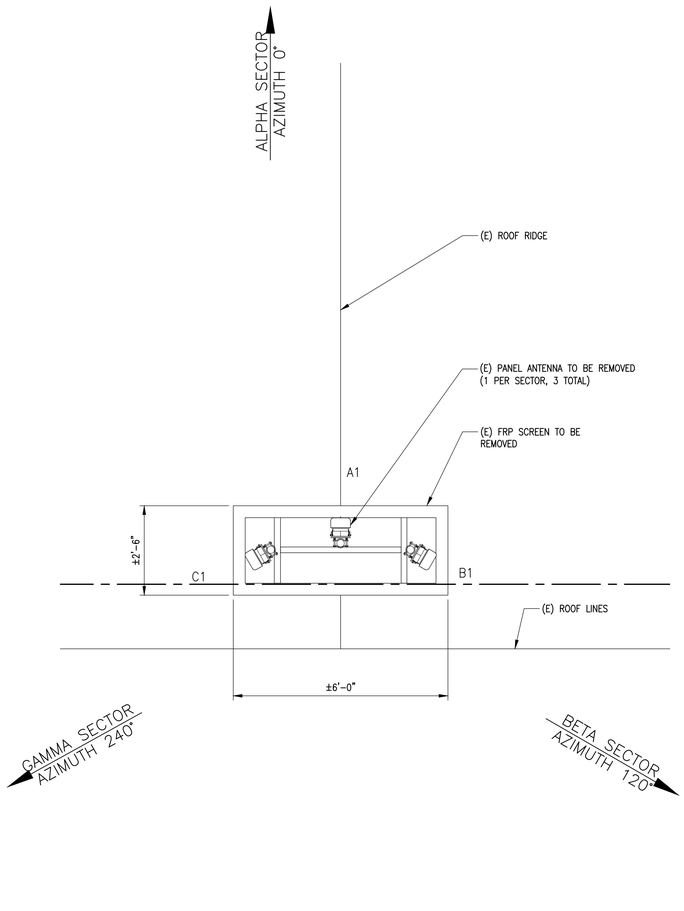
SECTOR		TECHNOLOGY	ANTENNA MODEL	ANTENNA SIZE	ANTENNA WEIGHT LBS	ANTENNA AZIMUTH	RAD CENTER OF ANTENNA	RADIO	CABLE TYPE	CABLE LENGTH
SECTOR "A"	A1	L2100/L1900 U1900	KATHREIN – 742210V01	6.1"	3.3	0°	43'–6"	–	(2) 7/8" COAX – 75 FT	75'
SECTOR "B"	B1	L2100/L1900 U1900	KATHREIN – 742210V01	6.1"	3.3	120°	43'–6"	–	(2) 7/8" COAX – 75 FT	75'
SECTOR "C"	C1	L2100/L1900 U1900	KATHREIN – 742210V01	6.1"	3.3	240°	43'–6"	–	(2) 7/8" COAX – 75 FT	75'

PROPOSED ANTENNA SCHEDULE

SECTOR		TECHNOLOGY	ANTENNA MODEL	ANTENNA SIZE	ANTENNA WEIGHT LBS	ANTENNA AZIMUTH	RAD CENTER OF ANTENNA	RADIO	CABLE TYPE/ LENGTH
SECTOR "A"	A1	L700/N600 L1900/L2100 N1900	APXVAALL18M–U–J20	72"	107.9	0°	45'–6"	(1) RADIO 4480 B71+B85 (1) RADIO 4460 B25+B66	(2) (N) 6/24 HYBRID TRUNK 4AWG 30M
	A2	N2500	AIR6419 B41	36.3"	83.3	0°	47'–0"	–	
SECTOR "B"	B1	L700/N600 L1900/L2100 N1900	APXVAALL18M–U–J20	72"	107.9	120°	45'–6"	(1) RADIO 4480 B71+B85 (1) RADIO 4460 B25+B66	
	B2	N2500	AIR6419 B41	36.3"	83.3	120°	47'–0"	–	
SECTOR "C"	C1	L700/N600 L1900/L2100 N1900	APXVAALL18M–U–J20	72"	107.9	240°	45'–6"	(1) RADIO 4480 B71+B85 (1) RADIO 4460 B25+B66	
	C2	N2500	AIR6419 B41	36.3"	83.3	240°	47'–0"	–	

ANTENNA SCHEDULE

1

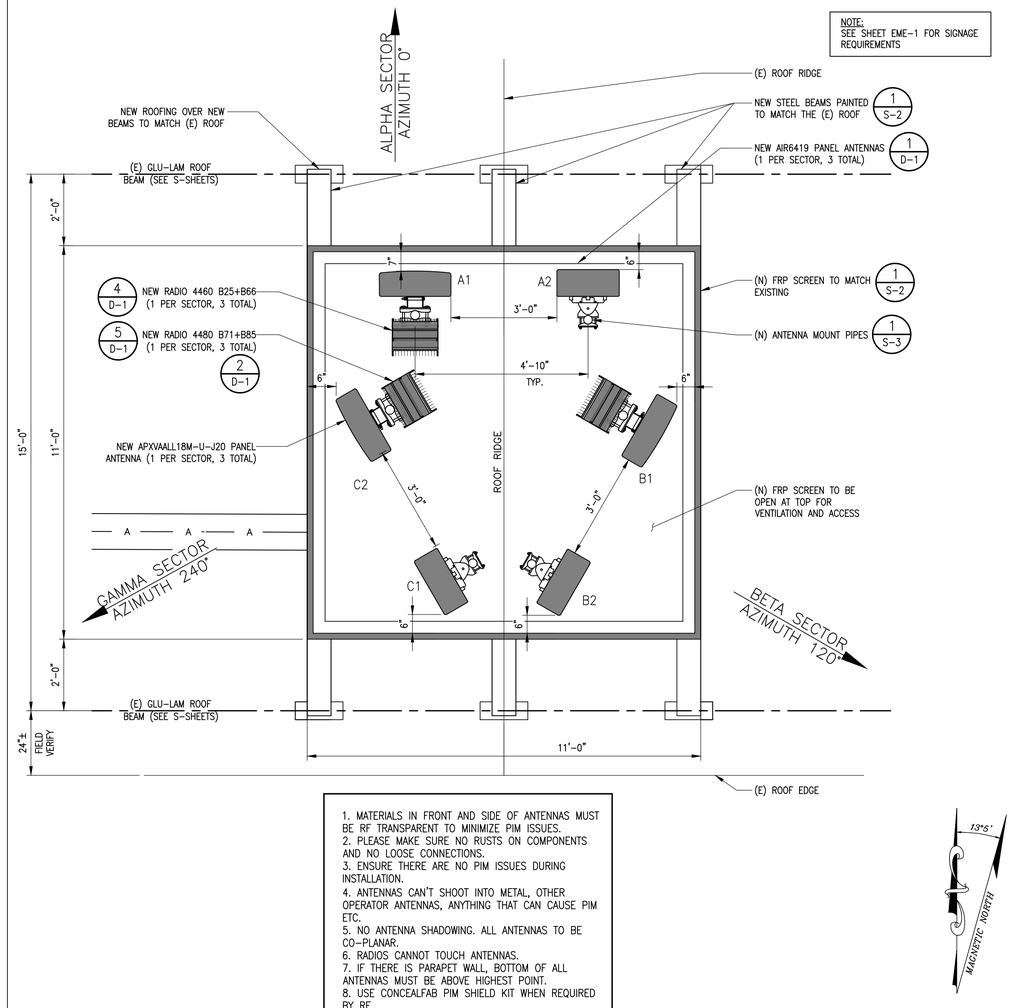


(E) ANTENNA LAYOUT

SCALE: 1/2"=1'–0"

0 1' 2'

2



1. MATERIALS IN FRONT AND SIDE OF ANTENNAS MUST BE RF TRANSPARENT TO MINIMIZE PIM ISSUES.
2. PLEASE MAKE SURE NO RUSTS ON COMPONENTS AND NO LOOSE CONNECTIONS.
3. ENSURE THERE ARE NO PIM ISSUES DURING INSTALLATION.
4. ANTENNAS CAN'T SHOOT INTO METAL, OTHER OPERATOR ANTENNAS, ANYTHING THAT CAN CAUSE PIM ETC.
5. NO ANTENNA SHADOWING. ALL ANTENNAS TO BE CO–PLANAR.
6. RADIOS CANNOT TOUCH ANTENNAS.
7. IF THERE IS PARAPET WALL, BOTTOM OF ALL ANTENNAS MUST BE ABOVE HIGHEST POINT.
8. USE CONCEALFAB PIM SHIELD KIT WHEN REQUIRED BY RF.

(P) ANTENNA LAYOUT

SCALE: 1/2"=1'–0"

0 1' 2'

3

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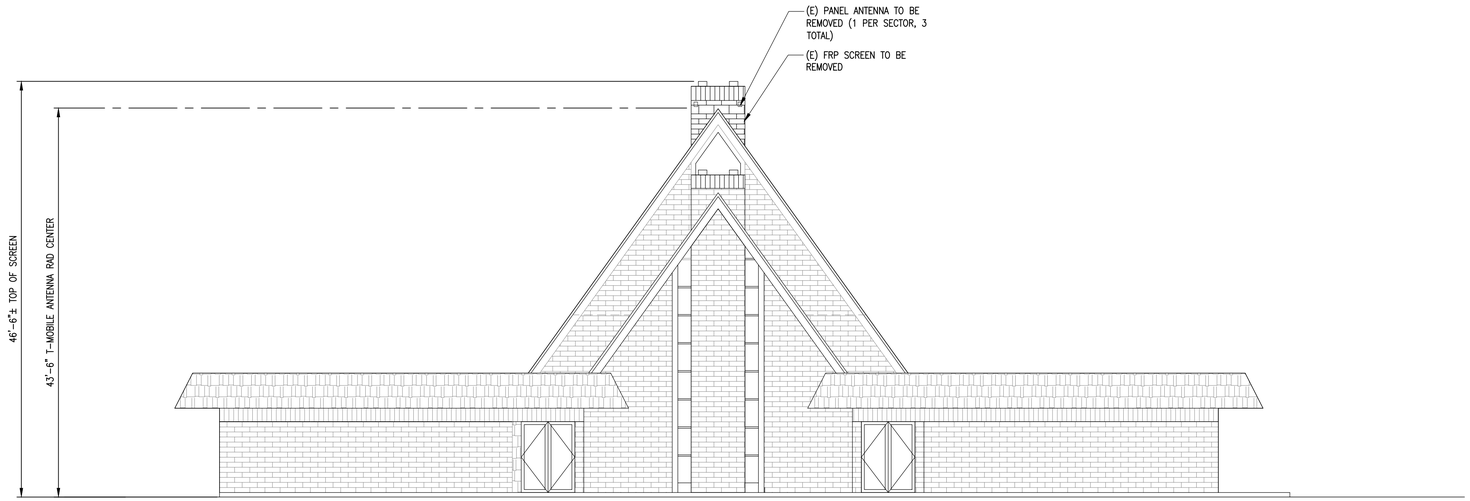
DATE STAMPED: 07/11/2025

SHEET TITLE:

ANTENNA SCHEDULE & ANTENNA LAYOUTS

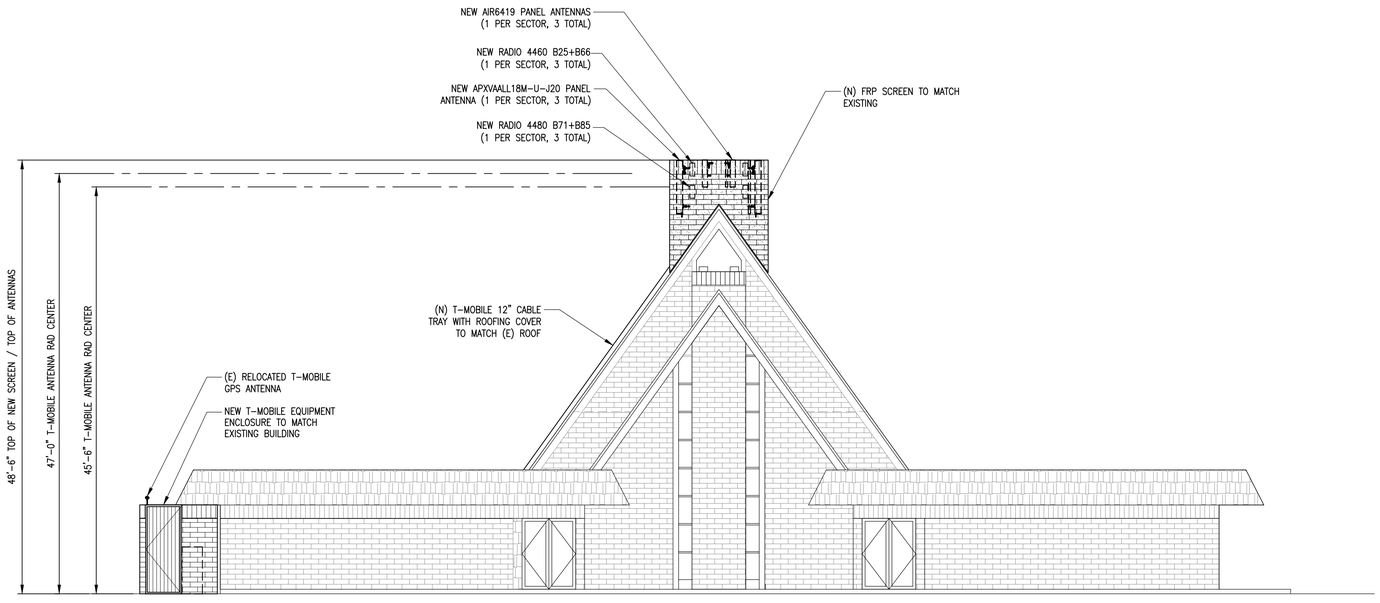
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A-3



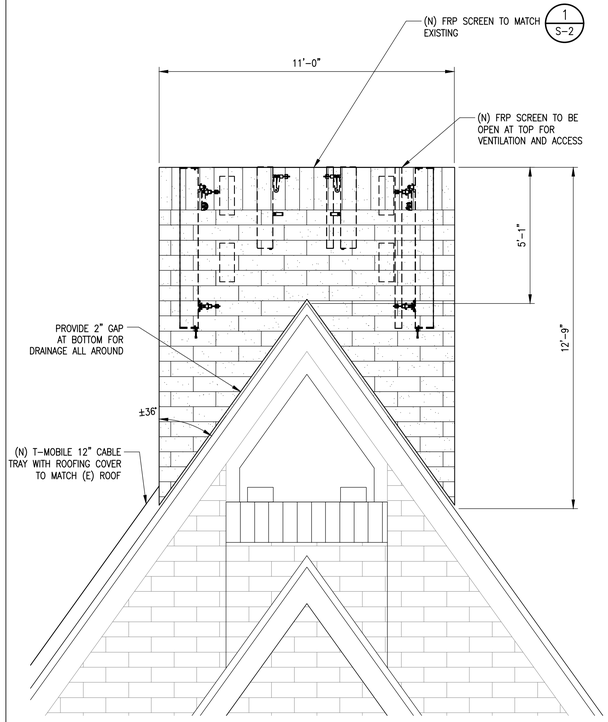
EXISTING SOUTH ELEVATION

SCALE: 1/8"=1'-0" | 0 4' 8' | 1



NEW SOUTH ELEVATION

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



FRP DETAIL

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

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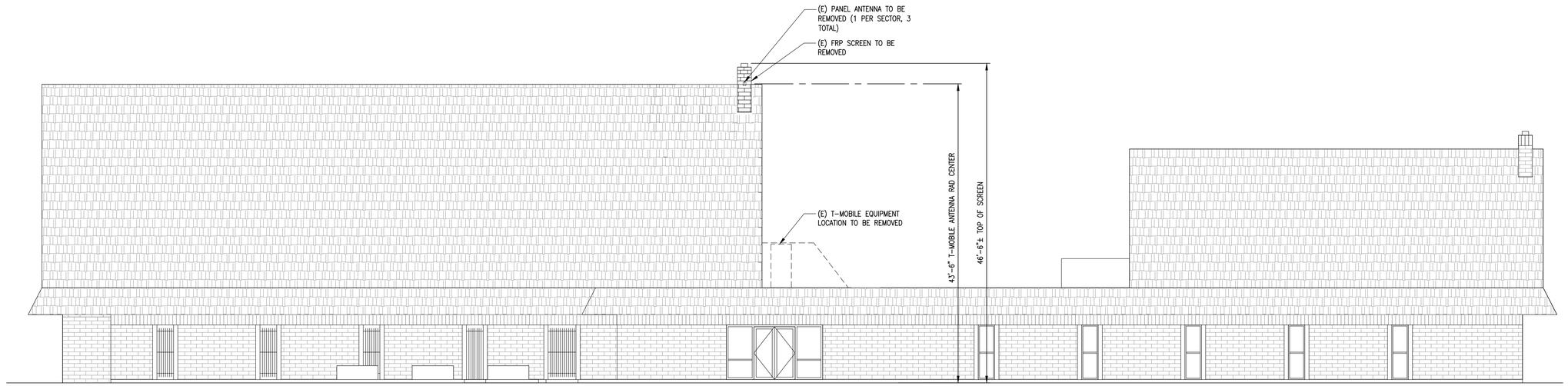
DATE STAMPED: 07/11/2025

SHEET TITLE:

ARCHITECTURAL ELEVATIONS

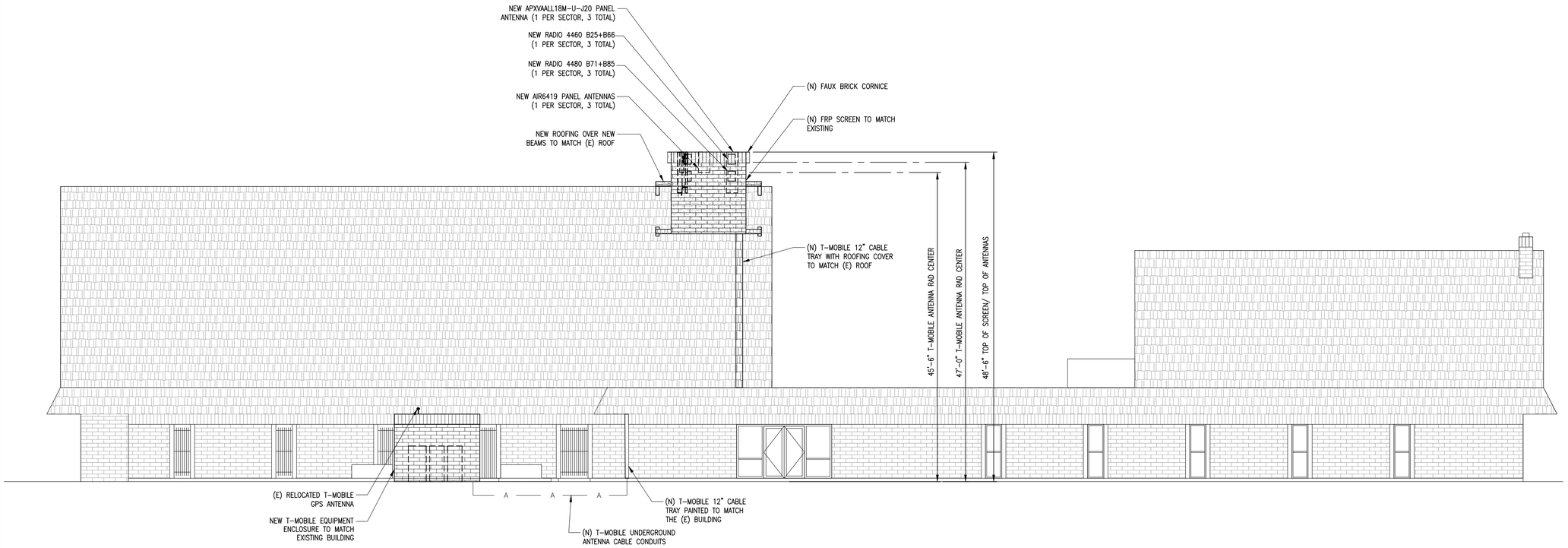
SHEET NUMBER:

A-4



EXISTING WEST ELEVATION

SCALE: 1/8"=1'-0" | 0 4' 8' | 1



NEW WEST ELEVATION

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

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FULLERTON, CA 92831

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SHEET TITLE:

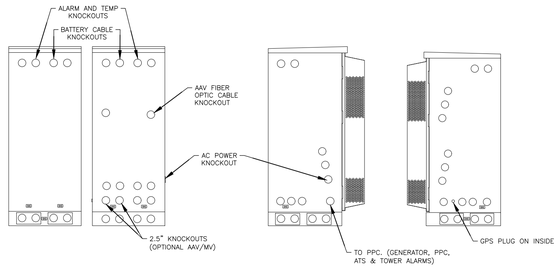
ARCHITECTURAL ELEVATIONS

SHEET NUMBER:

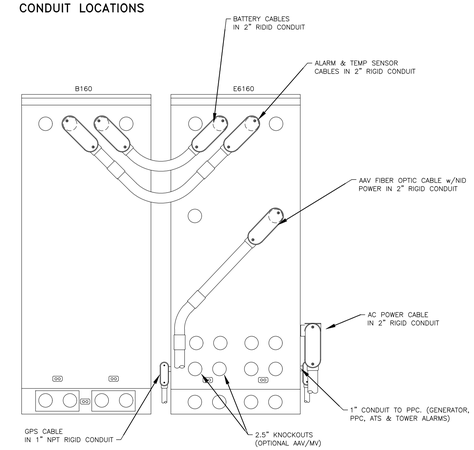
A-5

NOTE:

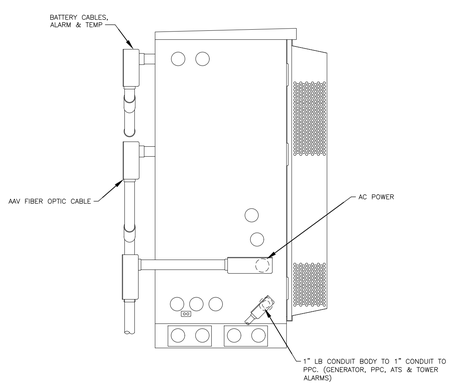
1. ALL CONDUIT AND FITTING ENTRANCES INTO CABINETS AND ENCLOSURES MUST UTILIZE MYERS OR EQUIVALENT HUBS OR SEALING WASHERS TO PREVENT WATER ENTRY/SEEPAGE INTO CABINETS AND ENCLOSURES.
2. (LIQUIDFLEX) FLEXIBLE METALLIC CONDUIT (LFMC) & ASSOCIATED FITTINGS CAN BE USED AS NEEDED BUT ONLY FOR TIGHT CONDUIT BENDS AND RUNS SUBJECT TO UL AND NEC LIMITATIONS. 6' MAX PER CONDUIT RUN.
3. POWER CONDUIT BODY ATTACHED WITH SHORT NIPPLE AND SEALING WASHER INSIDE & OUT. (FOR DOOR HOOD CLEARANCE)
4. PULLING ELBOWS MAY BE USED IN LIEU OF A CONDUIT BODIES WHEN CLEARANCE IS LIMITED.
5. ALL EXTERNAL ALARM CONDUITS ARE TOO TERMINATE AT THE PPC WITH A SINGLE 1" ALARM CONDUIT TO THE 6160.



CONDUIT LOCATIONS



REAR VIEW



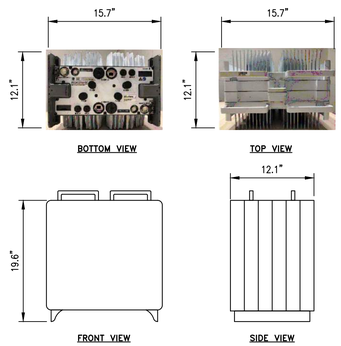
SIDE VIEW

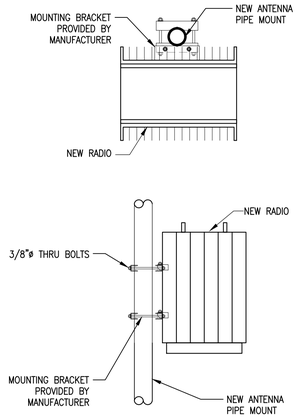
CABINET CONDUIT CONNECTIONS

SCALE:	
N.T.S.	9

ERICSSON RADIO 4460

DIMENSIONS, WxDxH:	15.7"x12.1"x19.6"
TOTAL WEIGHT:	109 lbs
TEMPERATURE:	−40° TO 55° C



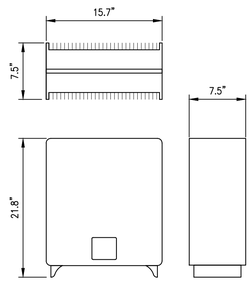


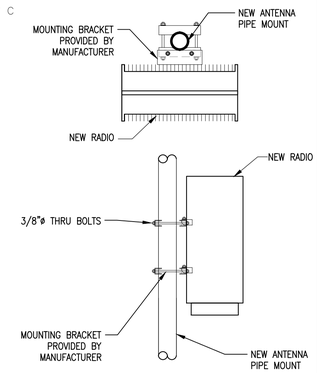
RADIO 4460 DETAIL

SCALE:	
N.T.S.	4

ERICSSON RADIO 4480 B71+B85

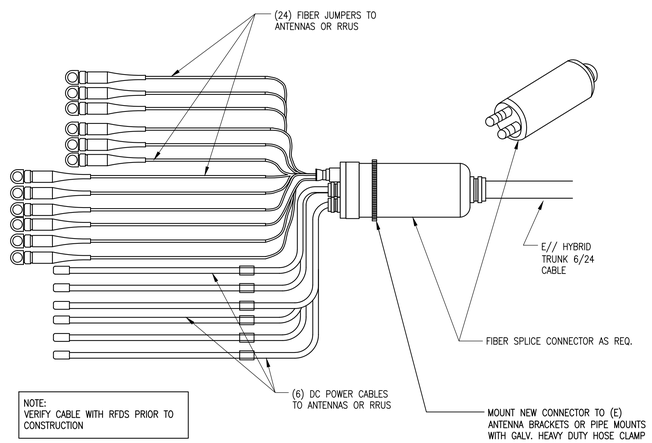
DIMENSIONS, WxDxH:	15.2"x7.5"x19.2"
TOTAL WEIGHT:	92.5 lbs
TEMPERATURE:	−40° TO 55° C





RADIO 4480 DETAIL

SCALE:	
N.T.S.	5

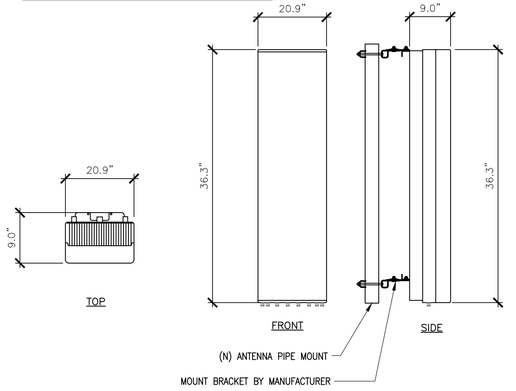


NOTE:
VERIFY CABLE WITH RFDS PRIOR TO CONSTRUCTION

HYBRID CABLE DETAIL

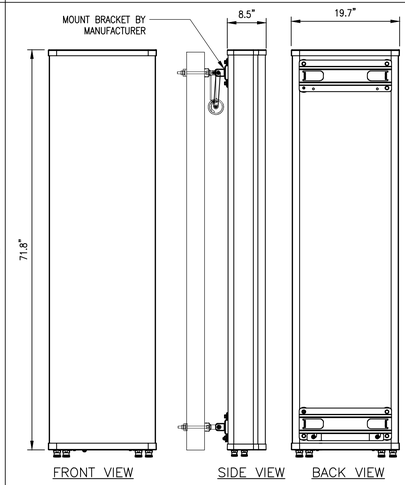
SCALE:	
N.T.S.	6

MANUFACTURER: ERICSSON
MODEL: AIR6419 B41
WEIGHT: 83.3 LBS
DIMENSIONS: 36.3"H. X 20.9"W. X 9.0"D.



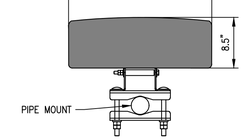
AIR6419 B41 ANTENNA DETAIL

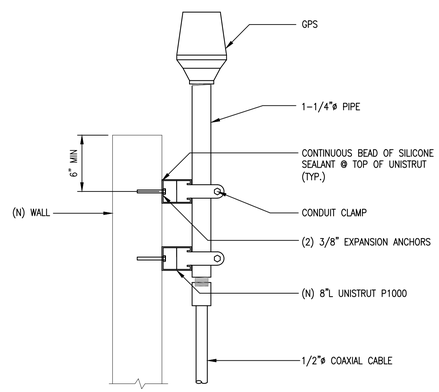
SCALE:	
N.T.S.	1



ANTENNA DETAIL	
MODEL	WEIGHT (lb)
APXVAALL18M−U−J20	57.5
WEIGHT OF MOUNTING HARDWARE (lb):	19.4
TOTAL WEIGHT	76.9

71.8 x 19.7 x 8.5 in)





GPS ANTENNA

SCALE:	
N.T.S.	3

T··Mobile··

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SITE INFORMATION:

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SF70610M

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CAMPBELL, CA 95008

SEAL:



DATE STAMPED: 07/11/2025

SHEET TITLE:

DETAILS

SHEET NUMBER:

D-1

FIRE DEPT. NOTES / BATTERIES

SCALE: N.T.S. | 7

FIRE DEPARTMENT NOTES:

A. FIRE DEPARTMENT FINAL INSPECTION REQUIRED. SCHEDULE INSPECTION 2 DAYS IN ADVANCE.

B. A CFC PERMIT TO OPERATE BATTERY SYSTEMS WITH STATIONARY LEAD–ACID BATTERIES IS NOT REQUIRED FOR THE QUANTITIES ON SITE.

C. A CFC PERMIT MAY BE REQUIRED FOR THE HAZARDOUS MATERIALS ON SITE.

D. A HAZARDOUS MATERIALS IDENTIFICATION SIGN IS REQUIRED FOR ALL ENTRANCES INTO BATTERY STORAGE AREAS. LETTERS MUST BE AT LEAST 1" IN HEIGHT AND IN A COLOR WHICH CONTRASTS TO THE BACKGROUND OF THE SIGN AND LIST THE FOLLOWING:

CLASS 1 WATER REACTIVE LIQUID
TOXIC LIQUID
CORROSIVE LIQUID
OTHER HEALTH HAZARD LIQUID

E. BATTERIES SHALL BE PROVIDED WITH SAFETY VENTING CAPS.

F. LOCATIONS AND CLASSIFICATIONS OF EXTINGUISHERS SHALL BE IN ACCORDANCE WITH THE UNIFORM FIRE CODE STANDARD 10–1 AND PLACEMENT IS SUBJECT TO APPROVAL OF THE FIRE INSPECTOR.

G. STORAGE, DISPENSING OR USE OF ANY FLAMMABLE AND COMBUSTIBLE LIQUIDS, FLAMMABLE AND COMPRESSED GASES, AND OTHER HAZARDOUS MATERIALS SHALL COMPLY WITH UNIFORM FIRE CODE REGULATIONS.

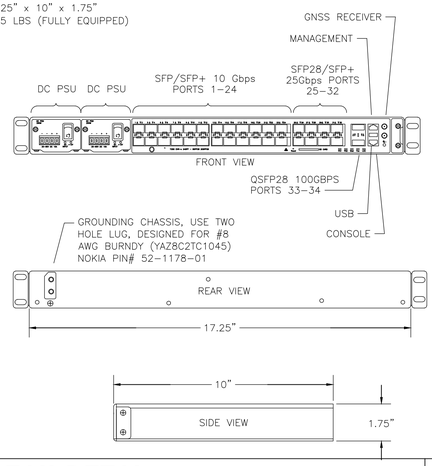
H. EXIST DOORS SHALL BE ABLE TO OPEN FROM THE INSIDE WITHOUT THE USE OF KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.

I. ADDRESS NUMBERS SHALL BE A MINIMUM 6 INCHES HIGH AND PLAINLY VISIBLE FROM ROADWAY BUILDING IS ADDRESSED ON.

CSR IXRE V2 DETAIL

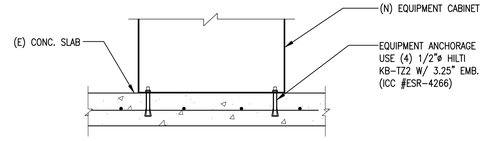
SCALE: N.T.S. | 4

MANUFACTURER: NOKIA
MODEL: 3HE15548AA
DIMENSIONS: 17.25" x 10" x 1.75"
WEIGHT: 10.5 LBS (FULLY EQUIPPED)



CABINET MOUNT DETAIL

SCALE: N.T.S. | 1



BATTERY NOTES

SCALE: N.T.S. | 8

BATTERY INFORMATION / NOTES:

BATTERY MFG.:	NORTHSTAR
MODEL No.:	NSB 100FT RED
BATTERY TYPE:	LEAD ACID
ELECTROLYTE CONTENT PER BATTERY:	0.833 GALLONS
ELECTROLYTE HAZARD CLASSIFICATION PER 2022 CBC SECTION 1207.1.1 (17% SULFURIC ACID):	CORROSIVE
No. OF BATTERIES TO BE INSTALLED:	12
TOTAL ELECTROLYTE CONTAINED ON SITE (0.833 x 12):	9.996 GALLONS MAX.

BATTERY POWER OUTPUT
AMPERAGE x VOLTAGE / 1000
295 x 12/1000 = 3.54kWh x 12 = 42.48)
TOTAL 42.48KWH ON SITE

NOTE: ALL FIRE DEPT BATTERIES AND INSTALLATION SHALL COMPLY WITH 2022 CFC CHAPTER 1207

A. QUANTITIES LESS THAN 50 GAL. ARE EXEMPT FROM 2022 C.F.C. SECTION 1207.1.1 AND SHALL NOT REQUIRE PERMIT.

B. ANY CHANGES OR ADDITIONS TO BACK–UP BATTERIES MUST COMPLY WITH 2022 C.F.C SECTION 1207.1.1

C. POWER OUTPUT OF THE BATTERY SYSTEM LESS THAN 600kWh (2160 MEGAJOULES) ARE EXEMPT FROM 2022 CFC SECTION 1207.1.1 AND SHALL NOT REQUIRE PERMIT

TABLE 1207.1.1
BATTERY STORAGE SYSTEM THRESHOLD QUANTITIES.

BATTERY TECHNOLOGY	CAPACITY
Flow batteries	20 kWh
Lead acid, all types	70 kWh
Lithium, all types	20 kWh
Nickel cadmium (Ni–Cd)	70 kWh
Sodium, all types	20 kWh
Other battery technologies	10 kWh

RP 6651 DETAIL

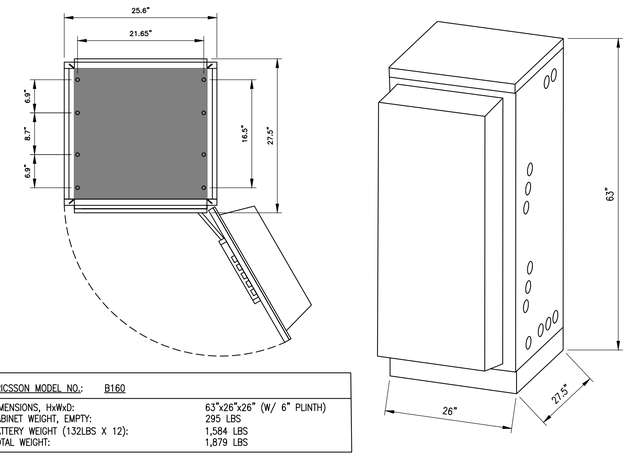
SCALE: N.T.S. | 5

ERICSSON RAN PROCESSOR 6651

DIMENSIONS, WxDxH: 482.6x350x44.45mm (19"x13.8"x1.75")
TOTAL WEIGHT: 7.5 kg (16.5 lbs)
CPRI SUPPORT: SUPPORT UP TO 12 CPRI
3X25 Gbps OPTICAL PORTS, 1 QSFP 4X25 Gbps AND 1 ELECTRICAL Gbps

B160 BATTERY CABINET

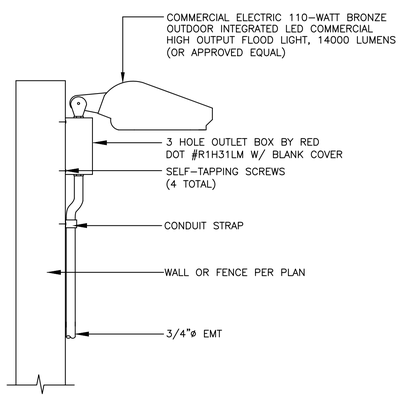
SCALE: N.T.S. | 2



ERICSSON MODEL NO.: B160	
DIMENSIONS, HxWxD:	63"x26"x26" (W/ 6" PLINTH)
CABINET WEIGHT, EMPTY:	295 LBS
BATTERY WEIGHT (132LBS X 12):	1,584 LBS
TOTAL WEIGHT:	1,879 LBS

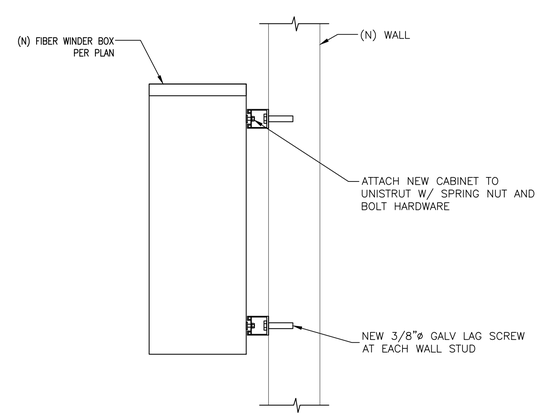
SERVICE LIGHTING

SCALE: N.T.S. | 9



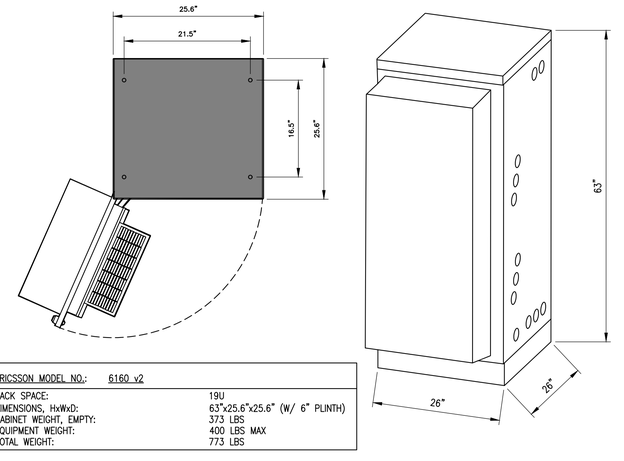
HCS WINDER BOX AT WALL

SCALE: N.T.S. | 6



6160 v2 CABINET ENCLOSURE

SCALE: N.T.S. | 3



ERICSSON MODEL NO.: 6160 v2	
RACK SPACE:	19U
DIMENSIONS, HxWxD:	63"x25.6"x25.6" (W/ 6" PLINTH)
CABINET WEIGHT, EMPTY:	373 LBS
EQUIPMENT WEIGHT:	400 LBS MAX
TOTAL WEIGHT:	773 LBS

T··Mobile··

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NO.	DATE:	DESCRIPTION:	BY:
0	01/28/24	90% CD'S	LE
1	02/23/24	95% CD'S	JPC
2	09/13/24	100% CD'S	DC
3	10/02/24	100% CD'S	DC
4	10/07/24	100% CD'S	DC
5	10/16/24	100% CD'S	DC
6	01/21/25	100% CD'S DESIGN CHANGE	LE
7	02/07/25	100% CD'S	JPC
8	04/25/25	100% CD'S	DC
9	07/11/25	100% CD'S	DC

SITE INFORMATION:

SF0610 CAMPBELL SDA CHURCH

SF70610M

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CAMPBELL, CA 95008

SEAL:

LICENSED PROFESSIONAL ENGINEER
DANIEL M CONNELL
C 62543
EXP. 12/31/25
CIVIL
STATE OF CALIFORNIA

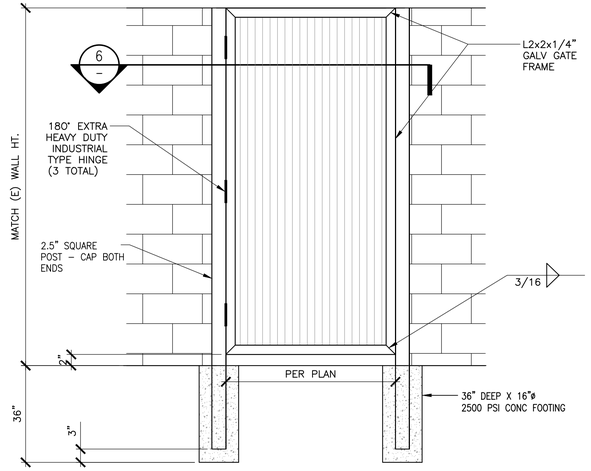
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DETAILS

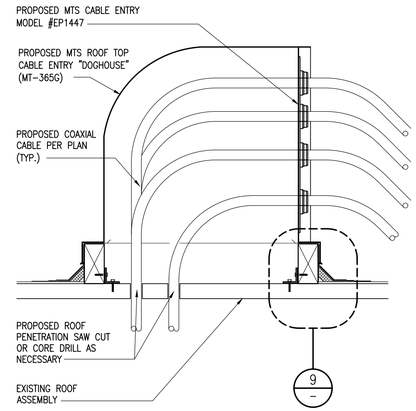
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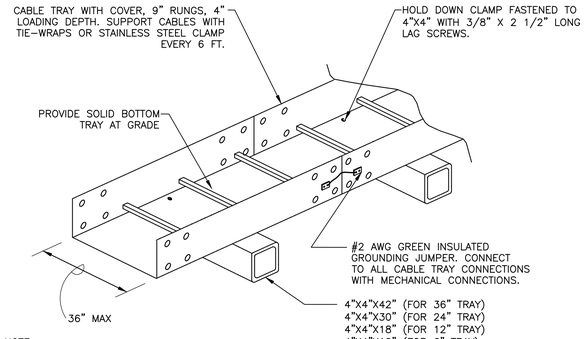
GATE ELEVATION DETAIL

SCALE: N.T.S. | 7



DOGHOUSE DETAIL

SCALE: N.T.S. | 4

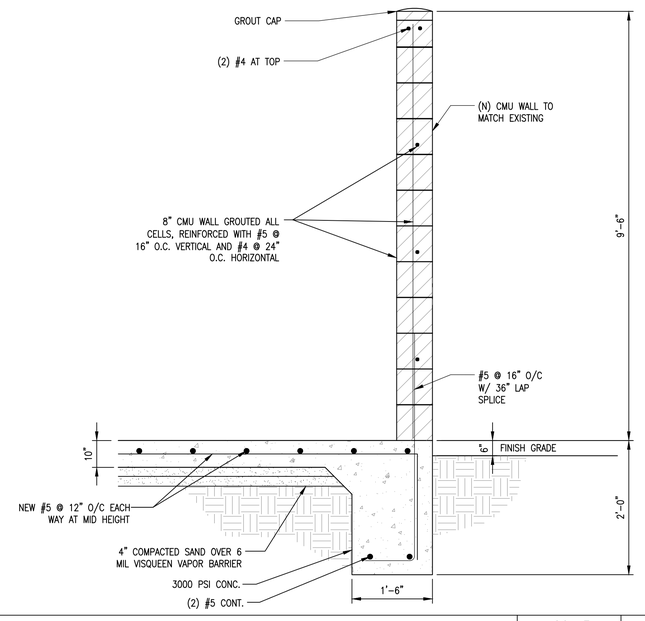


NOTE:
1. RUN #2 AWG BCW GROUND CONDUCTOR ALONG CABLE TRAY PER ELEC. AND GROUND AT BOTH ENDS.

2. CABLE TRAYS SHALL BE FREE OF SHARP OBJECTS AND BURRS WHICH COULD INJURE CABLES. COVERS SHALL BE FASTENED USING HOLD DOWN CLIPS. SHEET METAL SCREWS ARE NOT ACCEPTABLE.

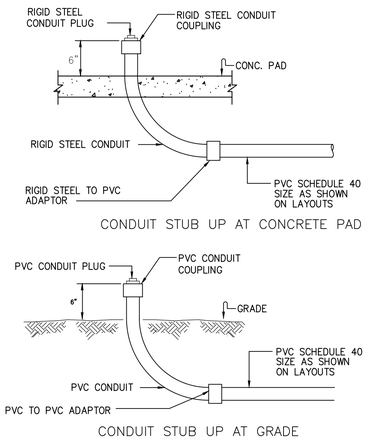
FLOOR MOUNTED CABLE TRAY

SCALE: N.T.S. | 1



CMU WALL SECTION

SCALE: N.T.S. | 8

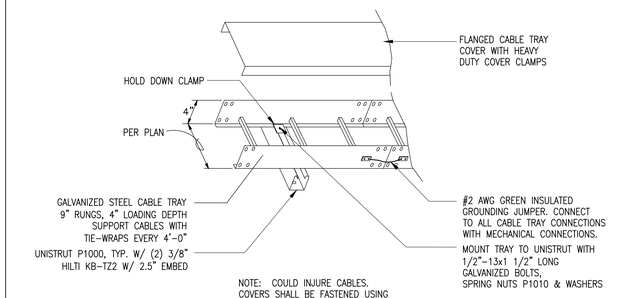


CONDUIT STUB UP AT CONCRETE PAD

CONDUIT STUB UP AT GRADE

CONDUIT STUB-UPS

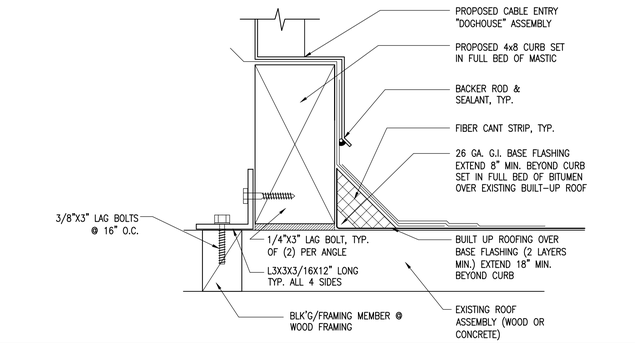
SCALE: N.T.S. | 5



NOTE: COULD INJURE CABLES. COVERS SHALL BE FASTENED USING HOLD DOWN CLIPS. SHEET METAL SCREWS ARE NOT ACCEPTABLE.

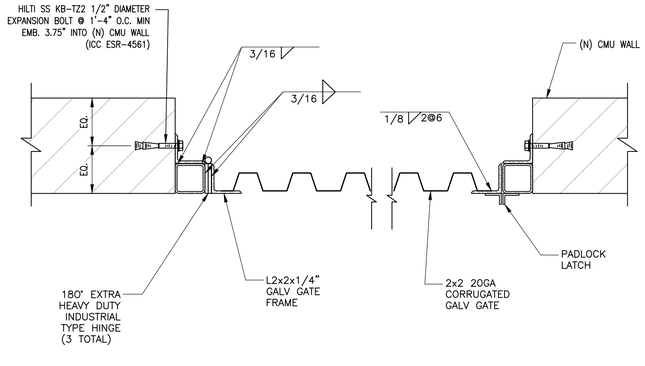
WALL MOUNTED CABLE TRAY

SCALE: N.T.S. | 2



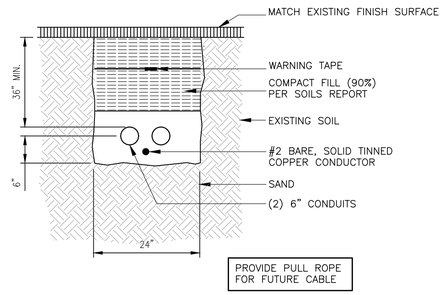
CANT STRIP DETAIL

SCALE: N.T.S. | 9



GATE HINGE/ JAMB DETAIL

SCALE: N.T.S. | 6



NOTES:
1. EXCAVATE TO REQUIRED DEPTH
2. VERIFY ALL TRENCHING REQUIREMENTS WITH SERVING UTILITIES.
3. CALL BEFORE YOU DIG. CONTACT SERVING UTILITIES

CABLE TRENCH DETAIL

SCALE: N.T.S. | 3

T··Mobile··

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SHEET TITLE:

DETAILS

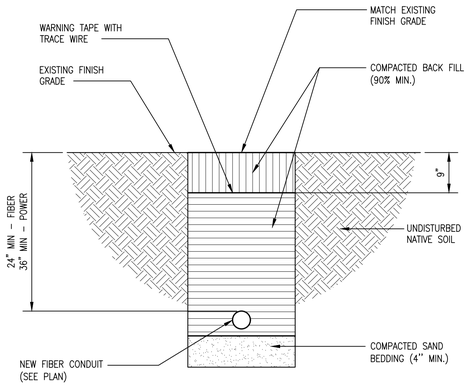
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D-3

ELECTRICAL NOTES

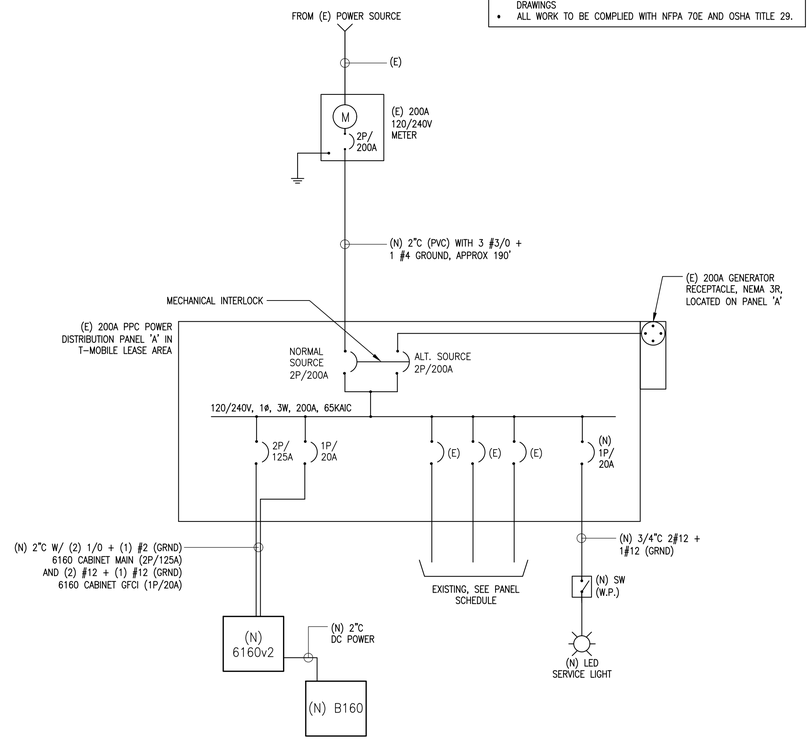
1. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH CURRENT NATIONAL ELECTRICAL CODES AND ALL LOCAL AND STATE CODE, LAWS, AND ORDINANCES. PROVIDE ALL COMPONENTS AND WIRING SIZES AS REQUIRED TO MEET NEC STANDARDS.
2. IF APPLICABLE, CONTRACTOR SHALL COORDINATE WITH LOCAL POWER COMPANY FOR REQUIREMENTS OF POWER SERVICE LINE TO THE METER BASE. POWER SERVICE REQUIREMENT IS COMMERCIAL AC NOMINAL 120/208 VOLT OR 120/240 VOLT, SINGLE PHASE WITH 200 AMP RATING.
3. IF APPLICABLE, CONTRACTOR SHALL FURNISH AND INSTALL ELECTRIC METER BASE AND 200A DISCONNECT SWITCH PER SITE PLAN AND DETAIL DRAWINGS. THE METER BASE SHOULD BE LOCATED IN A MANNER WHERE ACCESSIBLE BY THE LOCAL POWER COMPANY.
4. IF APPLICABLE, LOCAL POWER COMPANY SHALL PROVIDE 200 AMP ELECTRIC METER. CONTRACTOR SHALL COORDINATE INSTALLATION OF METER WITH LOCAL POWER COMPANY.
5. UNDERGROUND POWER AND TELCO SERVICE LINES SHALL BE ROUTED IN A COMMON TRENCH. ALL UNDERGROUND CONDUIT SHALL BE PVC SCHEDULE 40 AND CONDUIT EXPOSED ABOVE GROUND SHALL BE RIGID GALVANIZED STEEL UNLESS OTHERWISE INDICATED.
6. CONDUITS INSTALLED AT PCS EQUIPMENT ENDS PRIOR TO THE EQUIPMENT INSTALLATION SHALL BE STUBBED AND CAPPED AT 6" ABOVE GRADE OR PLATFORM. IF SERVICE LINES CAN'T BE INSTALLED INITIALLY, PROVIDE NYLON PULL CORD IN CONDUITS.
12. CONTRACTOR SHALL INSPECT THE EXISTING CONDITIONS PRIOR TO SUBMITTING BID. ANY QUESTIONS ARISING DURING THE BID PERIOD IN REGARDS TO THE CONTRACTORS FUNCTIONS, THE SCOPE OF WORK, OR ANY OTHER ISSUE RELATED TO THIS PROJECT SHALL BE BROUGHT UP DURING THE BID PERIOD WITH THE PROJECT MANAGER FOR CLARIFICATION, NOT AFTER THE CONTRACT HAS BEEN AWARDED.
13. LOCATION OF EQUIPMENT, CONDUIT AND DEVICES SHOWN ON THE DRAWINGS ARE APPROXIMATE AND SHALL BE COORDINATED WITH FIELD CONDITIONS PRIOR TO ROUGH-IN.
14. THE CONDUIT RUNS AS SHOWN ON THE PLANS ARE APPROXIMATE. EXACT LOCATION AND ROUTING SHALL BE PER EXISTING FIELD CONDITIONS.
15. PROVIDE PULL BOXES AND JUNCTION BOXES WHERE SHOWN OR REQUIRED BY NEC.
16. ALL CONDUITS SHALL BE MET WITH BENDS MADE IN ACCORDANCE WITH NEC TABLE 346-10. NO RIGHT ANGLE DEVICE OTHER THAN STANDARD CONDUIT ELBOWS WITH 12" MINIMUM INSIDE SWEEPS FOR ALL CONDUITS 2" OR LARGER.
17. ALL CONDUIT TERMINATIONS SHALL BE PROVIDED WITH PLASTIC THROAT INSULATING GROUNDING BUSHINGS.
18. ALL WIRE SHALL BE TYPE THWN, SOLID, ANNEALED COPPER UP TO SIZE #10 AWG (#8 AND LARGER SHALL BE CONCENTRIC STRANDED) 75 DEGREE C, (167 DEGREES F), 98% CONDUCTIVITY, MINIMUM #12.
19. ALL WIRES SHALL BE TAGGED AT ALL PULL BOXES, J-BOXES, EQUIPMENT BOXES AND CABINETS WITH APPROVED PLASTIC TAGS, ACTION CRAFT, BRADY, OR APPROVED EQUAL.
20. ALL NEW MATERIAL SHALL HAVE A U.L. LABEL.
21. CONDUIT ROUGH-IN SHALL BE COORDINATED WITH THE MECHANICAL EQUIPMENT TO AVOID LOCATION TO CONFLICTS. VERIFY WITH MECHANICAL CONTRACTOR AND COMPLY AS REQUIRED.
22. ALL PANEL DIRECTORIES SHALL BE TYPEWRITTEN NOT HAND WRITTEN.
23. INSTALL AN EQUIPMENT GROUNDING CONDUCTOR IN ALL CONDUITS PER THE SPECIFICATIONS AND NEC. THE EQUIPMENT GROUNDING CONDUCTORS SHALL BE BONDED AT ALL JUNCTION BOXES, PULL BOXES, AND ALL DISCONNECT SWITCHES, STARTERS, AND EQUIPMENT CABINETS.
24. THE CONTRACTOR SHALL PREPARE AS-BUILT DRAWINGS, DOCUMENT ANY AND ALL WIRING AND EQUIPMENT CONDITIONS AND CHANGES WHILE COMPLETING THIS CONTRACT. SUBMIT AT SUBSTANTIAL COMPLETION.
25. ALL DISCONNECT SWITCHES AND OTHER CONTROLLING DEVICES SHALL BE PROVIDED WITH ENGRAVED PHENOLIC NAMEPLATES INDICATING EQUIPMENT CONTROLLED, BRANCH CIRCUITS INSTALLED ON, AND PANEL FIELD LOCATIONS FED FROM (NO EXCEPTIONS.)
26. ALL ELECTRICAL DEVICES AND INSTALLATIONS OF THE DEVICES SHALL COMPLY WITH (ADA) AMERICANS WITH DISABILITIES ACT AS ADOPTED BY THE APPLICABLE STATE.
28. ELECTRICAL CHARACTERISTICS OF ALL EQUIPMENT (NEW AND EXISTING) SHALL BE FIELD VERIFIED WITH THE OWNER'S REPRESENTATIVE AND EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN OF CONDUIT AND WIRE. ALL EQUIPMENT SHALL BE PROPERLY CONNECTED ACCORDING TO THE NAMEPLATE DATA FURNISHED ON THE EQUIPMENT (THE DESIGN OF THESE PLANS ARE BASED UPON BEST AVAILABLE INFORMATION AT THE TIME OF DESIGN AND SOME EQUIPMENT CHARACTERISTICS MAY VARY FROM DESIGN AS SHOWN ON THESE DRAWINGS).
29. LOCATION OF ALL OUTLET, BOXES, ETC., AND THE TYPE OF CONNECTION (PLUG OR DIRECT) SHALL BE CONFIRMED WITH THE OWNER'S REPRESENTATIVE PRIOR TO ROUGH-IN.
30. LABEL ALL NEW AND EXISTING ELECTRICAL EQUIPMENT SHOWING T-MOBILE, NAME OF CABINET OR PANEL, NAME AND LOCATION OF SOURCE POC, AND WHAT IT SERVES. PROVIDE SPECIFICATIONS FOR LABEL MATERIAL AND FONT SIZE.
31. LABEL ALL EXISTING AND NEW CONDUITS/CABLES WITH SOURCE AND DESTINATION
32. INSTALL NFPA 704 PLACARD ON BATTERY CABINET AS REQUIRED.

ELECTRICAL NOTES | SCALE: N.T.S. | 4



UTILITY TRENCH DETAIL | SCALE: N.T.S. | 3

NOTES:
- GENERAL CONTRACTOR TO NOTIFY CDG IF THERE ARE ANY DISCREPANCIES BETWEEN THE ACTUAL SITE CONDITIONS AND THE DRAWINGS
- ALL WORK TO BE COMPLIED WITH NFPA 70E AND OSHA TITLE 29.



SINGLE LINE DIAGRAM | SCALE: N.T.S. | 1

NEW 200A PANEL SCHEDULE

VOLTAGE: 120/240V | PHASE: 1 | WIRE: 2
MAIN BREAKER: 200 AMP | BUSS RATING: 200 AMPS | A.I.C. 65KA

CKT	LOAD DESCRIPTION	BREAKER AMPS	BREAKER POLES	BREAKER STATUS	SERVICE LOAD VA	USAGE FACTOR	PHASE A VA	PHASE B VA	USAGE FACTOR	SERVICE LOAD VA	BREAKER STATUS	BREAKER POLES	BREAKER AMPS	LOAD DESCRIPTION	CKT
1	TVSS	30	2	ON	0	1.00	10800	x	1.00	10800	ON	2	125	NEW 6160v2 CABINET	2
3	---	---	---	---	0	1.00	x	10800	1.00	10800	---	---	---	---	4
5	GFCI	15	1	ON	180	1.00	360	x	1.00	180	ON	1	20	NEW 6160v2 GFCI	6
7	SPACE					1.00	x	200	1.00	200	ON	1	20	NEW LIGHT	8
9	SPACE					1.00	0	x						SPACE	10
11	SPACE					1.00	x	0						SPACE	12
13	SPACE					1.00	0	x						SPACE	14
15	SPACE					1.00	x	0						SPACE	16
17	SPACE					1.00	0	x						SPACE	18
19	SPACE					1.00	x	0						SPACE	20
21	SPACE					1.00	0	x						SPACE	22
23	SPACE					1.00	x	0						SPACE	24
25	SPACE					1.00	0	x						SPACE	26
27	SPACE					1.00	x	0						SPACE	28
29	SPACE					1.00	0	x						SPACE	30
						VA	11160	11000	VA			TOTAL KVA	22.16		
												AMPS	92.33		

PANEL SCHEDULE | SCALE: N.T.S. | 2

T-Mobile

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SEAL:



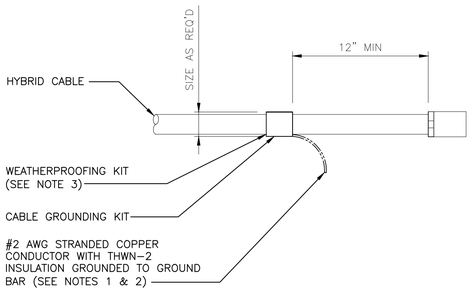
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SINGLE LINE DIAGRAM AND PANEL SCHEDULE

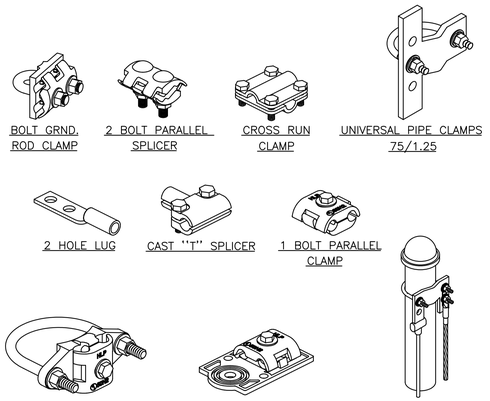
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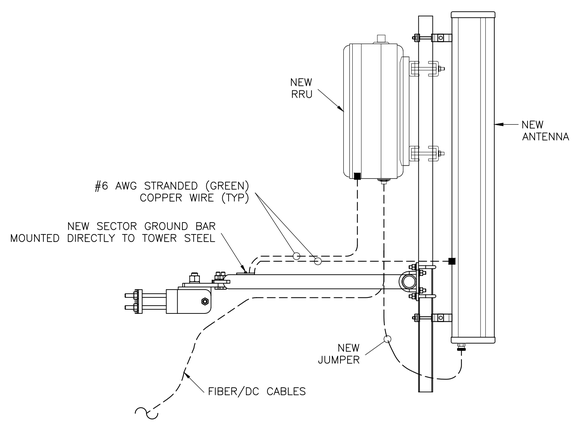
HYBRID CABLE GROUNDING

SCALE: N.T.S. | 1



MECHANICAL CONNECTIONS

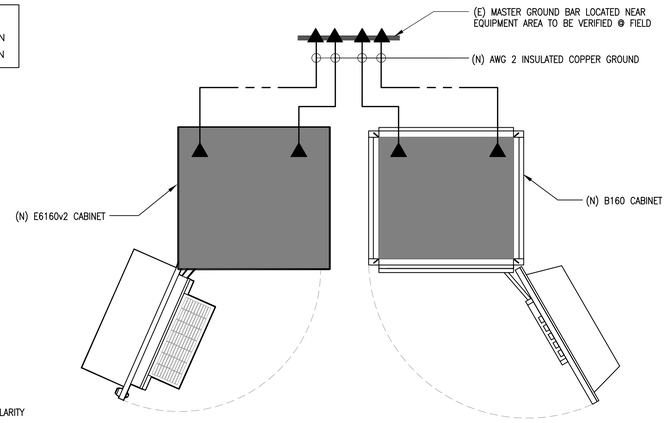
SCALE: N.T.S. | 4



ANTENNA/RRU GROUNDING

SCALE: N.T.S. | 6

SYMBOL LEGEND
- EXOTHERMIC CONNECTION
- MECHANICAL CONNECTION



NOTE: (E) GROUND WIRES ARE NOT SHOWN FOR CLARITY

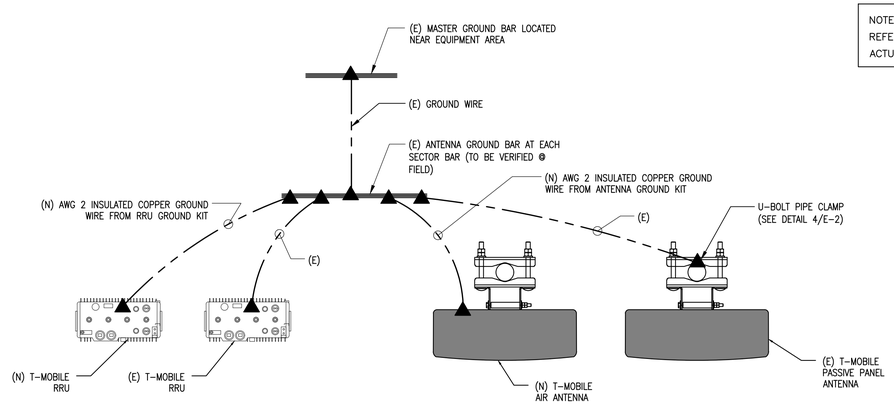
CABINET GROUNDING

SCALE: N.T.S. | 3

GENERAL NOTES:

1. PLAN DRAWINGS SHOWN HEREIN ARE DIAGRAMMATIC AND DOES NOT NECESSARILY DEPICT THE EXACT EQUIPMENT QUANTITIES, LOCATION, LAYOUT AND CONFIGURATION. REFER TO ARCHITECTURAL PLANS FOR EXACT EQUIPMENT LOCATION, LAYOUT AND CONFIGURATION.
2. PLAN DRAWINGS SHOWN HEREIN DO SHOW THE NECESSARILY DEPICT ELECTRICAL REQUIREMENTS OF INDIVIDUAL EQUIPMENT AND DEVICES SUCH AS THE EQUIPMENT GROUNDING REQUIREMENTS, POWER REQUIREMENTS AND TELCO RACEWAY REQUIREMENTS.
3. REFER TO ARCHITECTURAL PLANS FOR THE LOCATION OF POWER AND TELCO POINT OF CONNECTIONS, THE DISTANCE OF THE RUN AND THE SUGGESTED CONDUIT ROUTING. FIELD VERIFY EXISTING CONDITIONS SPECIFICALLY FOR CONDUIT ROUTING PRIOR TO BID.
4. CONTRACTOR TO HAVE INSPECTION AND TESTING OF EXISTING GROUNDING SYSTEM (INCLUDING ROOF GROUNDS TO EARTH) TO ENSURE IT MEETS CURRENT STANDARDS.

SYMBOL LEGEND
- EXOTHERMIC CONNECTION
- MECHANICAL CONNECTION



NOTE:
REFER TO PROPOSED ANTENNA PLAN FOR ACTUAL NUMBER OF ANTENNAS AND RRUS

NOTE: (E) GROUND WIRES ARE NOT SHOWN FOR CLARITY

ANTENNA / RRU GROUNDING

SCALE: N.T.S. | 5

1. ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL GROUNDING INSTALLATION AND CONSTRUCTION MAY VARY DUE TO SITE SPECIFIC CONDITIONS.

2. GROUND ALL ANTENNA BASES, FRAMES, CABLE RUNS, AND OTHER METALLIC COMPONENTS USING #2 GROUND WIRES AND CONNECT TO SURFACE MOUNTED GROUND BUS BARS AS SHOWN. FOLLOW ANTENNA AND BTS MANUFACTURER'S PRACTICES FOR GROUNDING REQUIREMENTS. GROUND COAX SHIELD AT BOTH ENDS USING MANUFACTURERS PRACTICES. ALL UNDERGROUND WATER PIPES, METAL CONDUITS AND GROUNDS THAT ARE A PART OF THIS SYSTEM SHALL BE BONDED TOGETHER.

3. ALL GROUND CONNECTIONS SHALL BE #2 AWG U.N.O. ALL WIRES SHALL BE COPPER THHN/THWN. ALL GROUND WIRE SHALL BE SOLID TIN COATED OR STRANDED GREEN INSULATED WIRE.

4. CONTRACTOR TO VERIFY AND TEST GROUND TO SOURCE, 5 OHMS MAXIMUM. PROVIDE SUPPLEMENT GROUNDING RODS AS REQUIRED TO ACHIEVE SPECIFIED OHMS READING. GROUNDING AND OTHER OPTIONAL TESTING WILL BE WITNESSED BY THE T-MOBILE REPRESENTATIVE.

5. NOTIFY ARCHITECT/ENGINEER IF THERE ARE ANY DIFFICULTIES INSTALLING GROUNDING SYSTEM DUE TO SITE SOIL CONDITIONS.

6. BARE GROUNDING CONDUCTOR SHALL BE HARD DRAWN TINNED COPPER SIZES AS NOTED ON PLAN.

7. ALL HORIZONTALLY RUN GROUNDING CONDUCTORS SHALL BE INSTALLED MINIMUM 12" BELOW GRADE/FROST-LINE IN TRENCH, U.N.O., AND BACK FILL SHALL BE COMPACTED AS REQUIRED BY ARCHITECT.

8. ALL GROUND CONDUCTORS SHALL BE RUN AS STRAIGHT AND SHORT AS POSSIBLE, WITH A MINIMUM 12" BENDING RADIUS NOT LESS THAN 90 DEGREES.

9. ALL SUPPORT STRUCTURES, CABLE CHANNEL WAYS OR WIRE GUIDES SHALL BE BONDED TO GROUND SYSTEM AT A POINT NEAREST THE MAIN GROUNDING BUS "MGB" (OR DIRECTLY TO GROUND-RING).

10. ACCEPTABLE CONNECTIONS FOR GROUNDING SYSTEM SHALL BE:
    a. BURNDY, HY-GRADE U.L. LISTED CONNECTORS FOR INDOOR USE OR AS APPROVED BY T-MOBILE PROJECT MANAGER.
    b. CADWELD, EXOTHERMIC WELDS (WELDED CONNECTIONS).
    c. TWO -(2) HOLE TINNED COPPER COMPRESSION (LONG BARREL) FITTINGS (BUS BAR CONNECTIONS).

11. ALL CRIMPED CONNECTIONS SHALL HAVE EMBOSSED MANUFACTURER'S DIEMARK VISIBLE AT THE CRIMP (RESULTING FROM USE OF PROPER CRIMPING DEVICES).

12. PRIOR TO ANY LUG-BUSSBAR CONNECTIONS, THE BUSSBAR SHALL BE CLEANED BY USE OF "SCOTCH-BRITE" OR PLAIN STEEL WOOL AS TO REMOVE ALL SURFACE OXIDATION AND CONTAMINANTS. A COATING OF "NO-OX-ID" SHALL BE APPLIED TO THE CONNECTION SURFACES.

13. ALL CONNECTION HARDWARE SHALL BE TYPE 316 SS (NOT ATTRACTED TO MAGNETS).

14. THE GROUND RING SHALL BE INSTALLED 24" MINIMUM BEYOND ANY BUILDING DRIP LINE.

15. ELECTRICAL SERVICE EQUIPMENT GROUNDING SHALL COMPLY WITH NEC, ARTICLE 250-82 AND SHALL BOND ALL EXISTING AND NEW GROUNDING ELECTRODES. NEW GROUNDING ELECTRODE SHALL INCLUDE BUT NOT LIMITED TO GROUND RODS, GROUND RING IF SERVICE IS WITHIN THE RADIO EQUIPMENT LOCATION, BUILDING STEEL IF APPLICABLE, COLD WATER CONNECTIONS MUST BE MADE ON THE STREET SIDE OF MAIN SHUT-OFF VALVE.

GROUNDING NOTES

SCALE: N.T.S. | 8

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NO.	DATE:	DESCRIPTION:	BY:
0	01/28/24	90% CD'S	LE
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2	09/13/24	100% CD'S	DC
3	10/02/24	100% CD'S	DC
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5	10/16/24	100% CD'S	DC
6	01/21/25	100% CD'S DESIGN CHANGE	LE
7	02/07/25	100% CD'S	JPC
8	04/25/25	100% CD'S	DC
9	07/11/25	100% CD'S	DC

SITE INFORMATION:

SF0610 CAMPBELL SDA CHURCH

SF70610M

600 W. CAMPBELL AVE
CAMPBELL, CA 95008

SEAL:



DATE STAMPED: 07/11/2025

SHEET TITLE:

GROUNDING DETAILS

SHEET NUMBER:

E-2

GENERAL NOTES:

1. THESE DOCUMENTS WERE DESIGNED IN ACCORDANCE WITH THE LATEST VERSION OF APPLICABLE LOCAL/STATE/COUNTY/CITY BUILDING CODES, AS WELL AS ANSI/TIA-222 STANDARD, AWWA-D100 STANDARD, NDS, NEC, MSJC, AND/OR THE LATEST VERSION OF THE INTERNATIONAL BUILDING CODE, UNLESS NOTED OTHERWISE IN THE CORRESPONDING STRUCTURAL REPORT.
2. ALL CONSTRUCTION METHODS SHOULD FOLLOW STANDARDS OF GOOD CONSTRUCTION PRACTICE.
3. ALL WORK INDICATED ON THESE DRAWINGS SHALL BE PERFORMED BY QUALIFIED CONTRACTORS EXPERIENCED IN SIMILAR CONSTRUCTION.
4. ALL NEW WORK SHALL ACCOMMODATE EXISTING CONDITIONS. IF OBSTRUCTIONS ARE FOUND, CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD PRIOR TO CONTINUING WORK.
5. ANY CHANGES OR ADDITIONS MUST CONFORM TO THE REQUIREMENTS OF THESE NOTES AND SPECIFICATIONS, AND SHOULD BE SIMILAR TO THOSE SHOWN. ALL CHANGES OR ADDITIONS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO FABRICATION AND/OR CONSTRUCTION.
6. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND EXECUTION OF ALL MISCELLANEOUS SHORING, BRACING, TEMPORARY SUPPORTS, ETC. NECESSARY TO PROVIDE A COMPLETE AND STABLE STRUCTURE DURING CONSTRUCTION. TIA-1019-A-2011 IS AN APPROPRIATE REFERENCE FOR THOSE DESIGNS MEETING TIA STANDARDS. THE ENGINEER OF RECORD MAY PROVIDE FORMAL RIGGING PLANS AT THE REQUEST AND EXPENSE OF THE CONTRACTOR.
7. INSTALLATION SHALL NOT INTERFERE NOR DENY ADEQUATE ACCESS TO OR FROM ANY EXISTING OR PROPOSED OPERATIONAL AND SAFETY EQUIPMENT.
8. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO ANY FABRICATION. CONTACT LADERA ENGINEERING GROUP IF ANY DISCREPANCIES EXIST.

STEEL CONSTRUCTION NOTES:

1. STRUCTURAL STEEL SHALL CONFORM TO THE AISC MANUAL OF STEEL CONSTRUCTION 15TH EDITION, FOR THE DESIGN AND FABRICATION OF STEEL COMPONENTS.
2. ALL FIELD CUT SURFACES, FIELD DRILLED HOLES, AND GROUND SURFACES WHERE EXISTING PAINT OR GALVANIZATION REMOVAL WAS REQUIRED SHALL BE REPAIRED WITH (2) BRUSHED COATS OF ZRC GALVILITE COLD GALVANIZING COMPOUND PER ASTM A780 AND MANUFACTURERS' RECOMMENDATIONS.
3. ALL FIELD DRILLED HOLES TO BE USED FOR FIELD BOLTING INSTALLATION SHALL BE STANDARD HOLES, AS DEFINED BY AISC, UNLESS NOTED OTHERWISE.
4. ALL EXTERIOR STEEL WORK SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A123.
5. ALL STEEL MEMBERS AND CONNECTIONS SHALL MEET THE FOLLOWING GRADES:
   - ANGLES, CHANNELS, PLATES AND BARS TO BE A36. Fy=36 KSI, U.N.O.
   - W SHAPES TO BE A992. Fy=50 KSI, U.N.O.
   - RECTANGULAR HSS TO BE A500, GRADE B. FY=46 KSI, U.N.O.
   - ROUND HSS TO BE A500, GRADE B. FY=42 KSI, U.N.O.
   - STEEL PIPE TO BE A53, GRADE B. Fy=35 KSI, U.N.O.
   - BOLTS TO BE A325-X. Fu=120 KSI, U.N.O.
   - U-BOLTS AND LAG SCREWS TO BE A307 GR A. Fu=60 KSI, U.N.O.
6. ALL WELDING SHALL BE DONE USING E70XX ELECTRODES, U.N.O.
7. ALL WELDING SHALL CONFORM TO AISC AND AWS D1.1 LATEST EDITION.
8. ALL HILTI ANCHORS TO BE CARBON STEEL, U.N.O.
   - MECHANICAL ANCHORS: KWIK BOLT TZ2, U.N.O.
   - CMU BLOCK ANCHORS: ADHESIVE – HY 270, U.N.O.
   - CONCRETE ANCHORS: ADHESIVE – HIT-HY 200 V3, U.N.O.
   - CONCRETE REBAR: ADHESIVE – HIT-RE 500 V3, U.N.O.
9. BOLTS SHALL BE TIGHTENED TO A "SNUG TIGHT" CONDITION AS DEFINED BY AISC.
10. MINIMUM EDGE DISTANCES SHALL CONFORM TO AISC TABLE J3.4.
11. REMOVAL/REPLACEMENT OF STRUCTURAL MEMBERS SHALL BE DONE ONE MEMBER AT A TIME. CONTRACTOR IS RESPONSIBLE FOR ENSURING THE STRUCTURAL INTEGRITY OF THE STRUCTURE DURING ALL PHASES OF CONSTRUCTION.

WOOD CONSTRUCTION NOTES:

1. ALL EXISTING WOOD SHAPES ARE ASSUMED TO BE DOUGLAS FIR-LARCH WITH A REFERENCE DESIGN BENDING VALUE OF 1000 PSI MIN.
2. ALL PROPOSED WOOD SHAPES ARE TO BE DOUGLAS FIR-LARCH WITH A REFERENCE DESIGN BENDING VALUE OF 1000 PSI MIN. U.N.O.
3. ALL EXISTING AND PROPOSED GLUED LAMINATED TIMBERS ARE TO BE 24F-1.8C DOUGLAS FIR BALANCED WITH A REFERENCE DESIGN BENDING VALUE OF 2400 PSI MIN. U.N.O.

FIBER REINFORCED POLYMER (FRP) NOTES:

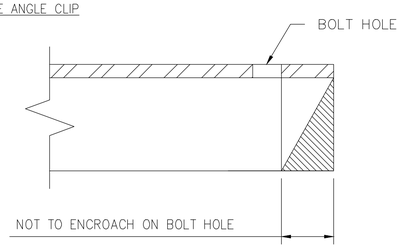
1. FRP PLATES, SHAPES, BOLTS AND NUTS (STUD/NUT ASSEMBLIES) SHALL CONFORM TO ASTM D638, 695, 790. PLATES AND SHAPES TO BE FY = 5.35 KSI LW (SAFETY FACTOR OF 8), .945 KSI CW (SAFETY FACTOR OF 8) MIN.
2. IF FIELD FABRICATION IS REQUIRED, ALL CUT EDGES AND DRILLED HOLES TO BE SEALED USING VINYL ESTER SEALING KIT SUPPLIED BY THE MANUFACTURER.
3. ALL FASTENERS TO BE 1/2" DIA FRP THREADED ROD WITH FIBER REINFORCED THERMOPLASTIC NUT, SPACED AT 12 INCHES ON CENTER MAXIMUM, U.N.O., FOR PANELS AND AS DESIGNED FOR STRUCTURAL MEMBERS.
4. THE COLOR AND SURFACE PATTERN OF EXPOSED FRP PANELS SHALL MATCH THE EXTERIOR OF THE EXISTING BUILDING, U.N.O.
5. STUD/NUT ASSEMBLIES SHOULD BE LUBRICATED FOR INSTALLATION
6. ENSURE BEARING SURFACES OF THE NUTS ARE PARALLEL TO THE SURFACES BEING FASTENED.
7. TORQUE BOLTS ACCORDING TO THE FOLLOWING TABLE:

INSTALLATION TORQUE TABLE		
SIZE	ULTIMATE TORQUE STRENGTH	RECOMMENDED MAXIMUM INSTALLATION TORQUE
3/8-16 UNC	8 FT-LBS	4 FT-LBS
1/2-13 UNC	18 FT-LBS	8 FT-LBS
5/8-11 UNC	35 FT-LBS	16 FT-LBS
3/4-10 UNC	50 FT-LBS	24 FT-LBS
1-8 UNC	110 FT-LBS	50 FT-LBS

8. WHEN TIGHTENING FRP STUD/NUT ASSEMBLIES, WRENCHES MUST MAKE FULL CONTACT WITH ALL NUT EDGES. A STANDARD SIX POINT SOCKET IS RECOMMENDED.
9. STUD/NUT ASSEMBLIES SHOULD BE BONDED BY APPLYING BONDING AGENT TO ENTIRE NUT AND EXPOSED STUD.
10. ALL FRP MATERIALS TO BE PROVIDED BY FIBERGRATE COMPOSITE STRUCTURES, DALLAS TX, OR APPROVED EQUAL.
11. ALL FRP SHAPES TO BE DYNAFORM PULTRUDED STRUCTURAL SHAPES.
12. ALL FRP PLATES TO BE FIBERPLATE MOLDED FRP PLATE.
13. ALL FRP PANELS TO BE FIBERPLATE CLADDING PANEL.
14. EACH FRP PANEL TO BE IDENTIFIED WITH LARR#25536 AND FIBERGRATE COMPOSITE STRUCTURAL LABEL.
15. FRP MATERIAL TO BE CLASSIFIED AS CC1 OR BETTER, AND HAVE MAXIMUM FLAME SPREAD OF 50.
16. ALL DESIGN AND CONSTRUCTION TO BE COMPLETED IN ACCORDANCE WITH LOS ANGELES RESEARCH REPORT RR25536, DATED FEBRUARY 1, 2024.
17. SPECIAL INSPECTIONS MUST BE PROVIDED FOR ALL FRP INSTALLMENTS. SEE SPECIAL INSPECTION SECTION, THIS SHEET.

RATIO OF EDGE DISTANCE TO FRP FASTENER DIAMETER		
	RANGE	RECOMMENDED
EDGE DISTANCE – CL* BOLT TO END	2.0-4.0	3.0
EDGE DISTANCE – CL* BOLT TO SIDE	1.5-3.5	2.5
BOLT PITCH – CL* TO CL*	4.0-5.0	5.0

MAXIMUM ALLOWABLE ANGLE CLIP



SPECIAL INSPECTIONS NOTES:

1. A QUALIFIED INDEPENDENT TESTING LABORATORY, EMPLOYED BY THE OWNER AND APPROVED BY THE JURISDICTION, SHALL PERFORM INSPECTION AND TESTING IN ACCORDANCE WITH THE THE GOVERNING BUILDING CODE, APPLICABLE SECTION(S) AS REQUIRED BY PROJECT SPECIFICATIONS FOR THE FOLLOWING CONSTRUCTION WORK:
   a. HIGH STRENGTH BOLTS (PERIODIC INSPECTION OF A325 AND/OR A490 BOLTS) TO BE TIGHTENED PER "TURN-OF-THE-NUT" METHOD.
   b. FIBER REINFORCED POLYMER.
      - THE SPECIAL INSPECTOR MUST VERIFY THAT THE FRP MATERIAL SPECIFIED ON THE APPROVED DESIGN DOCUMENTS IS BEING INSTALLED.
      - THE SPECIAL INSPECTOR MUST VERIFY THAT ALL CUT EDGES AND DRILLED HOLES ARE PROPERLY SEALED USING A VINYL ESTER SEALING KIT SUPPLIED BY THE MANUFACTURER.
      - THE SPECIAL INSPECTOR MUST VERIFY THAT THE STRUCTURE IS BUILT IN ACCORDANCE WITH THE APPROVED DESIGN DOCUMENTS.
2. THE INSPECTION AGENCY SHALL SUBMIT INSPECTION AND TEST REPORTS TO THE BUILDING DEPARTMENT, THE ENGINEER OF RECORD, AND THE OWNER UNLESS THE FABRICATOR IS APPROVED BY THE BUILDING OFFICIAL TO PERFORM WORK WITHOUT THE SPECIAL INSPECTIONS.

ROOFTOP NOTES:

1. GENERAL CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SHORING, BRACING, PROVIDING LATERAL SUPPORT, AND FOR MAINTAINING THE INTEGRITY OF THE EXISTING STRUCTURE AND ROOFING MEMBRANE DURING ALL PHASES OF THE CONSTRUCTION.
2. ROOF PITCH POCKET, IF USED, ARE TO BE FILLED, SEALED AND MAINTAINED WITH FLEXIBLE MATERIAL TO BE COMPATIBLE WITH EXISTING ROOFING MATERIAL AND ABLE TO ACCOMMODATE LATERAL DISPLACEMENT OF ¼ INCH MAXIMUM IN EACH DIRECTION.
3. IF REQUIRED, THE GENERAL CONTRACTOR SHALL USE THE BUILDING OWNER'S APPROVED ROOFING CONTRACTOR TO PREVENT VOIDING ANY EXISTING ROOFING WARRANTIES. ANY DAMAGE TO THE EXISTING ROOFING MEMBRANE SHALL BE REPAIRED IMMEDIATELY TO AVOID MOISTURE INTRUSION IN THE BUILDING SHELL.
4. AVOID ANY PENETRATION OF EXISTING ROOF SLAB, UNO.
5. NO STAGING OF MATERIALS AND EQUIPMENT IS PERMITTED ON THE ROOF.
6. THE LOCATION OF EXISTING BUILDING ROOF, PENTHOUSE WALLS, PENTHOUSE SLABS AND NEW EQUIPMENT SHOWN IN THESE DRAWINGS ARE NOT EXACT AND ARE NOT BASED ON SURVEYED INFORMATION. ALL DIMENSIONS SHALL BE FIELD VERIFIED BY FIELD MEASUREMENT PRIOR TO ORDERING ANY MATERIAL FOR THIS PROJECT.
7. ANY DAMAGE DUE TO CONSTRUCTION ACTIVITIES, DONE TO ANY EXISTING ROOFING SURFACE SHALL BE REPAIRED TO MATCH EXISTING AT NO ADDITIONAL COST TO THE OWNER.
8. THE CONTRACTOR SHALL VERIFY THE LOAD GENERATED FROM THE EQUIPMENT IS DIRECTLY TRANSFERRED THROUGH BEARING WALLS OR COLUMNS TO THE FOUNDATION OF THE BUILDING. THE ENGINEER SHALL BE NOTIFIED IF THIS CRITERIA IS NOT MET.
9. THE CONTRACTOR SHALL PROVIDE TEMPORARY FALL PROTECTION MEASURES IN THE VICINITY OF THE WORK.
10. THE SHELTER AND/OR EQUIPMENT SHALL BE PAINTED TO THE MATCH EXISTING BUILDING COLOR IF THIS IS REQUIRED BY THE BUILDING OWNER.
11. SUBMIT FOR APPROVAL A LIST OF THE PROCEDURES PROPOSED TO PROTECT EXISTING ELEVATOR FROM HARM DURING USE. PROTECT CAB, ENTRANCES AND ADJACENT SURFACES FROM DAMAGE. DO NOT OVERLOAD ELEVATOR. MAINTAIN ELEVATOR DURING USE AND RETURN OT ORIGINAL CONDITION AT COMPLETION.
12. CONSTRUCTION PERSONNEL MAY USE EXISTING STAIRS AND CORRIDORS FOR CONSTRUCTION PURPOSES. PROTECT STAIR AND ACCESS WAYS AND RETURN TO ORIGINAL CONDITION AT COMPLETION. COORDINATE WITH BUILDING MANAGEMENT FOR USE OF WASHROOM FACILITY.
13. PROVIDE PROPER TEMPORARY PROTECTION OF HIGH TRAFFIC AREAS.

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NO.	DATE:	DESCRIPTION:	BY:
0	09/13/24	FOR REVIEW	MK
1	07/21/25	REV. FRP LOCATION	MK

SITE INFORMATION:

SF0610 CAMPBELL SDA CHURCH

SF70610M

600 W. CAMPBELL AVE
CAMPBELL, CA 95008

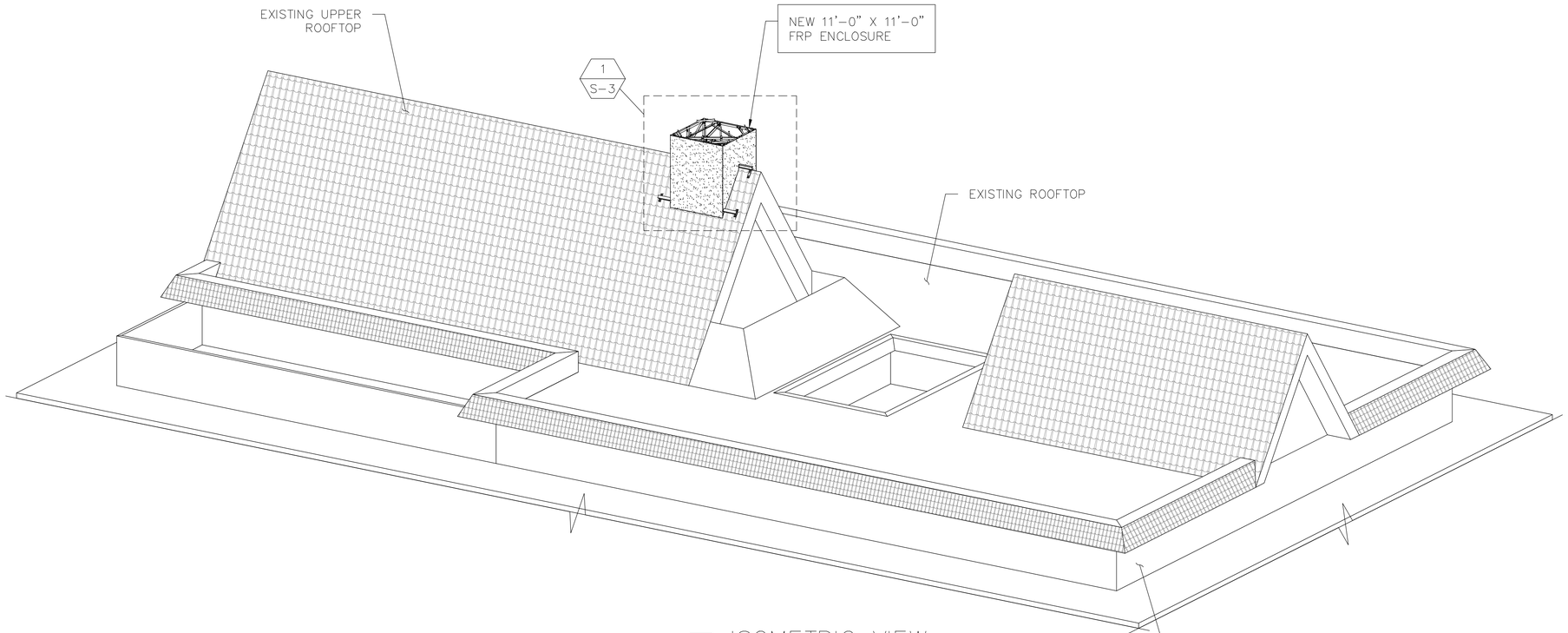
SEAL:

SHEET TITLE:

GENERAL NOTES

SHEET NUMBER:

S-1



1 ISOMETRIC VIEW

SCALE: NOT TO SCALE

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SF0610 CAMPBELL SDA CHURCH

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600 W. CAMPBELL AVE
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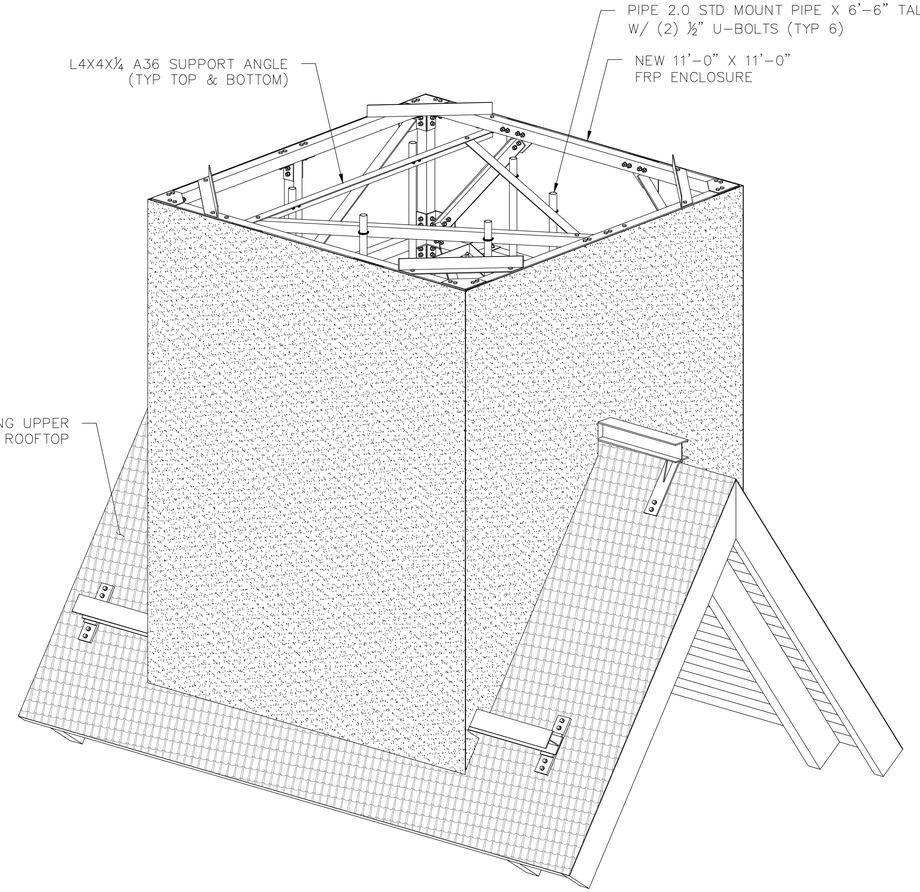
OVERALL ISOMETRIC VIEW

SHEET NUMBER:

S-2

ALL BOLTS ARE 5/8" DIA. STRONGWELL FIBERBOLTS OR EQUAL U.N.O.
ALL MEMBERS ARE FIBER REINFORCED PLASTIC (FRP) U.N.O.

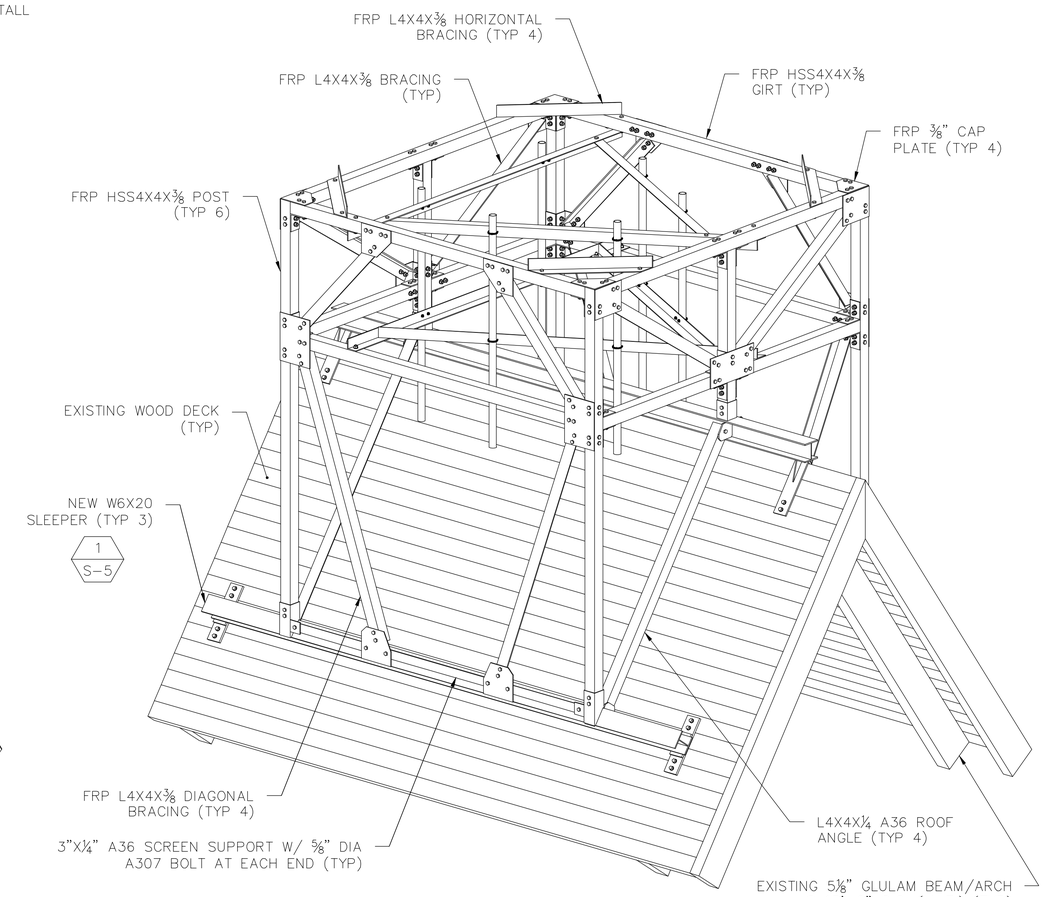
PANEL ANTENNAS AND RADIO UNITS ARE NOT SHOWN FOR CLARITY



1 / -- ISOMETRIC VIEW (TYPICAL FRP BOX)
SCALE: NOT TO SCALE

¼" FRP PANELS COVER ALL SIDES OF PROPOSED ENCLOSURE. PANELS TO BE ATTACHED W/ ⅜" DIA FRP THREADED RODS W/ FIBER REINFORCED THERMOPLASTIC NUTS @ 12" O.C. MAX

PROPOSED FRP ENCLOSURE TO BE PAINTED AND TEXTURED TO MATCH EXISTING BUILDING



2 / -- ISOMETRIC VIEW (W/O FRP PANELS)
SCALE: NOT TO SCALE

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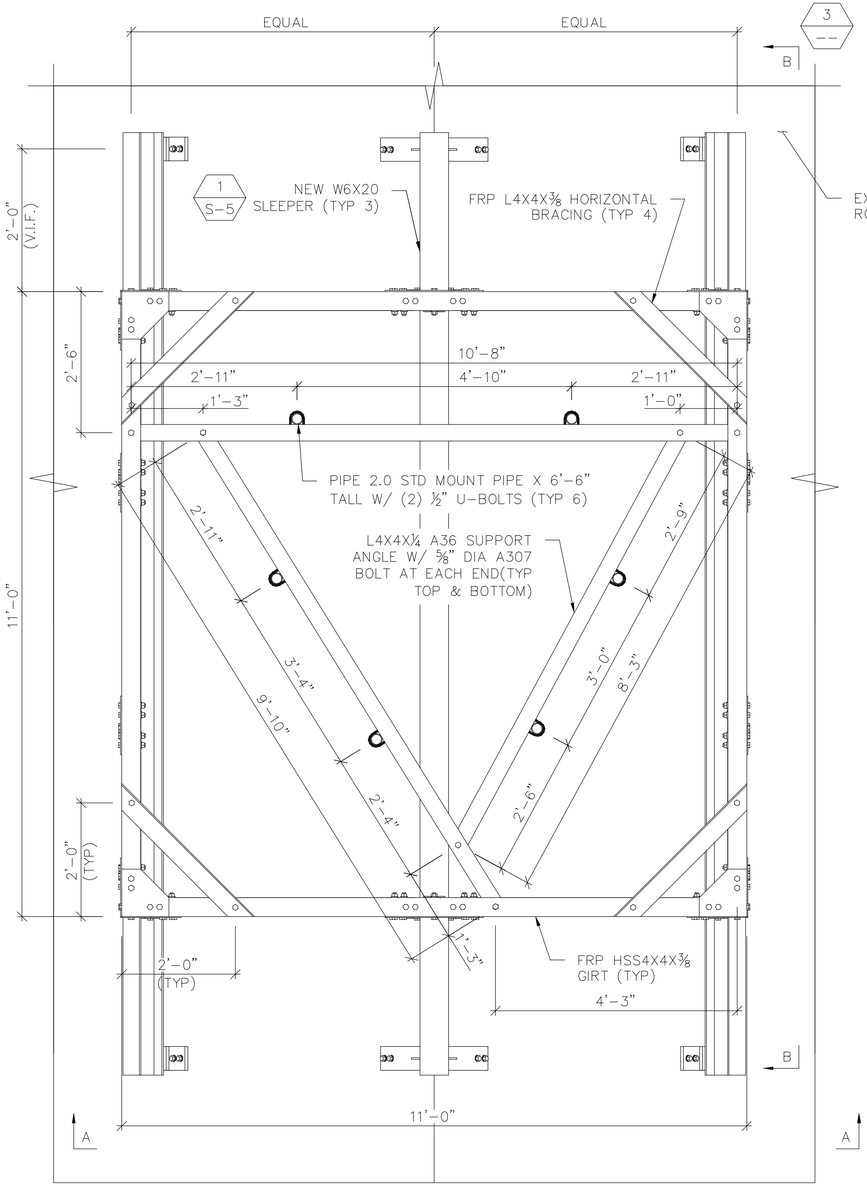
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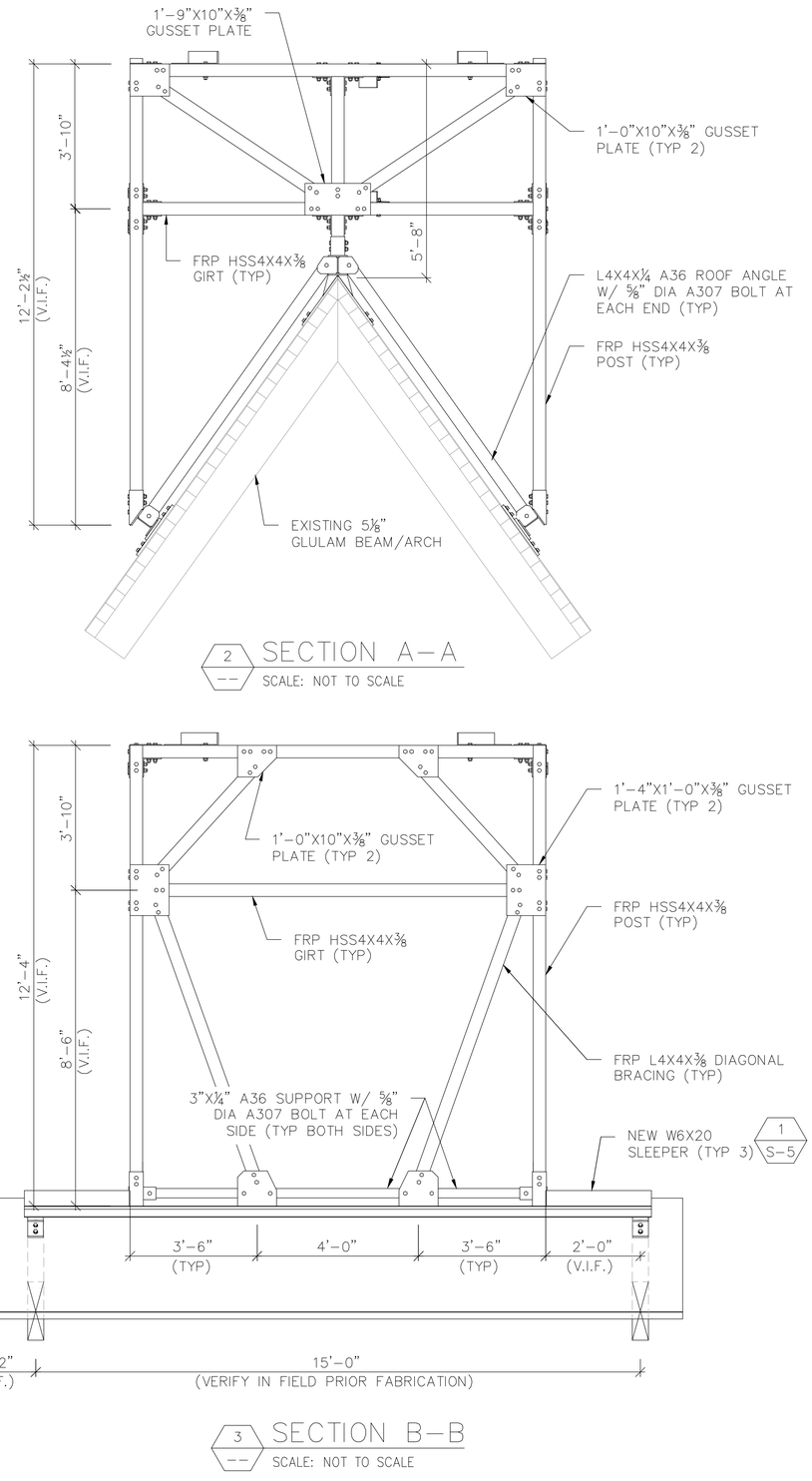
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SHEET TITLE:
ISOMETRIC VIEWS

SHEET NUMBER:
S-3



1 -- PLAN VIEW
SCALE: NOT TO SCALE NORTH



2 -- SECTION A-A
SCALE: NOT TO SCALE

3 -- SECTION B-B
SCALE: NOT TO SCALE

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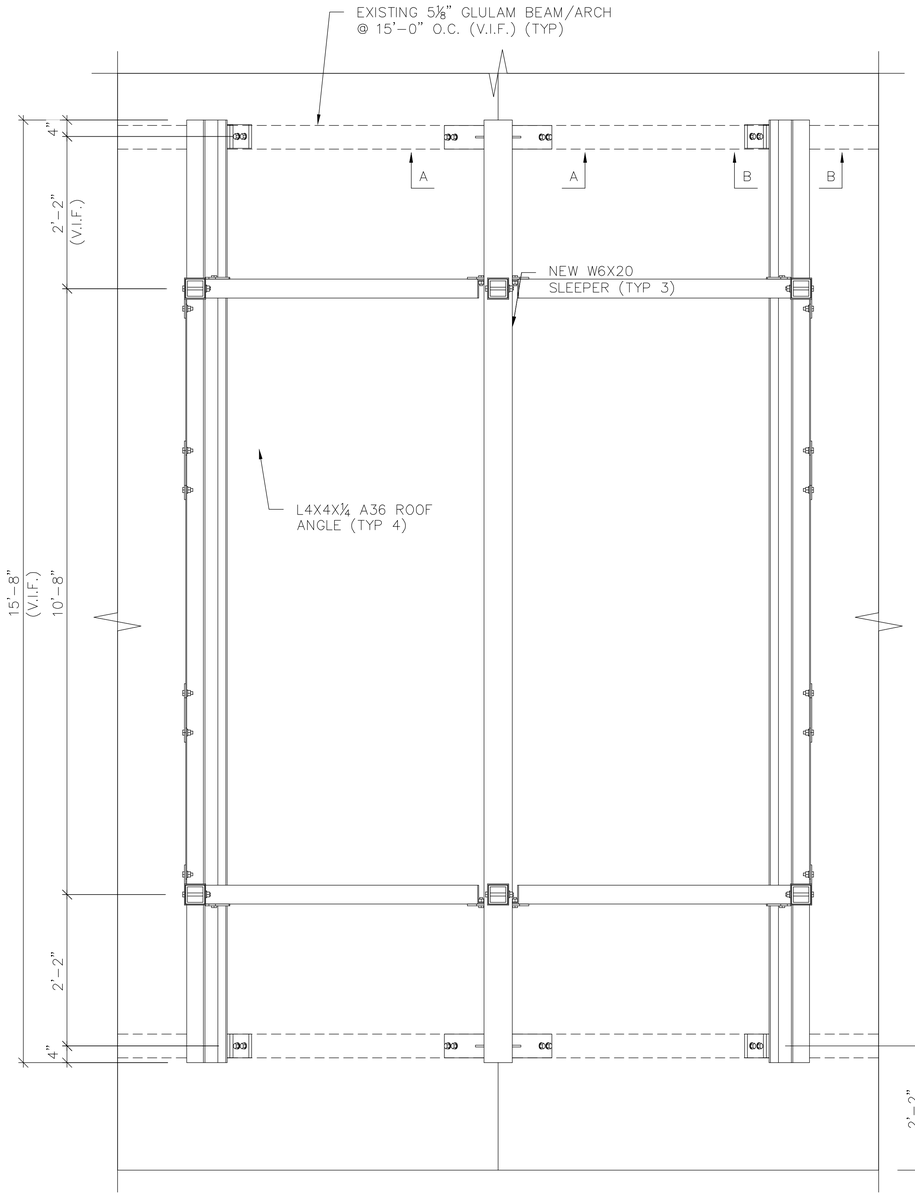
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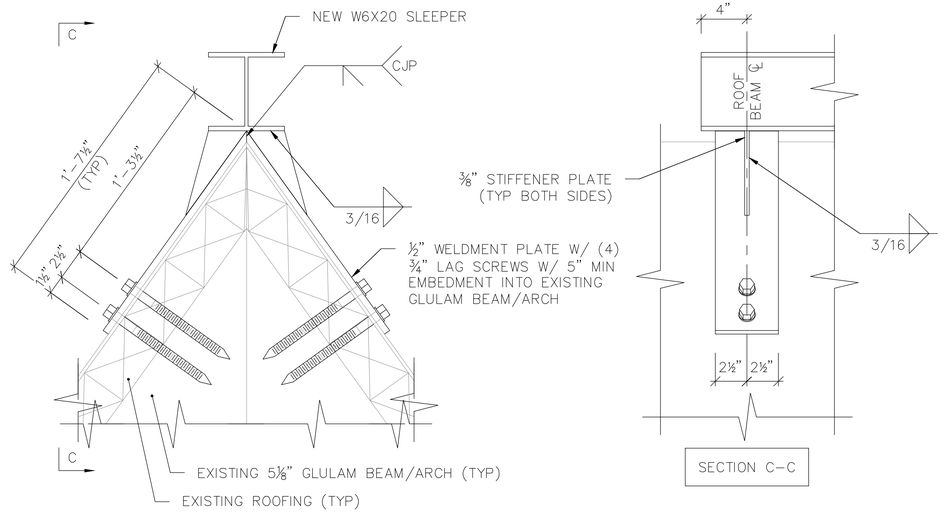
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S-4

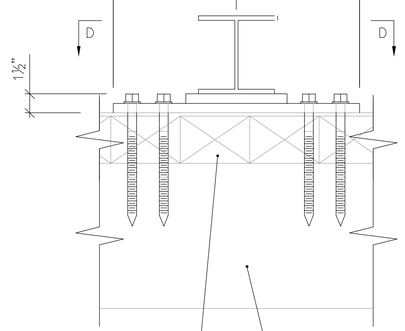


1 SLEEPER TO ROOF CONNECTION (PLAN VIEW)
SCALE: NOT TO SCALE

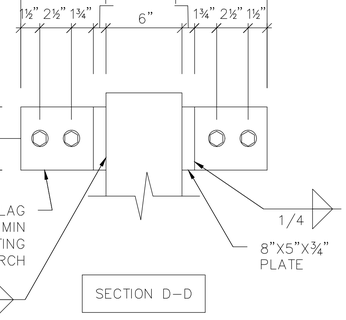


1 SECTION A-A
SCALE: NOT TO SCALE

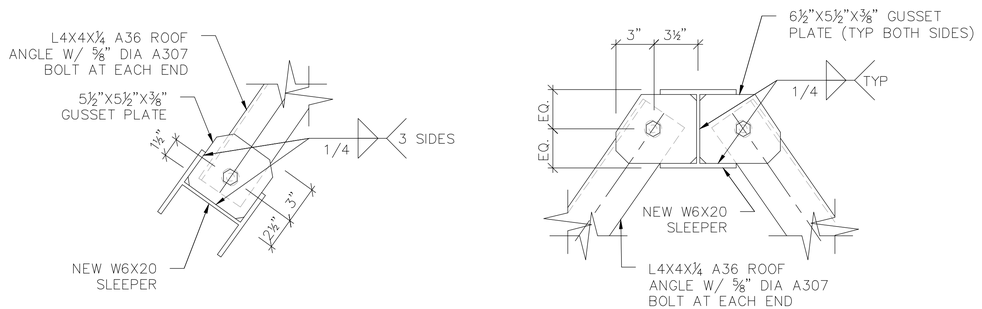
SECTION C-C



2 SECTION B-B
SCALE: NOT TO SCALE



SECTION D-D



3 TYPICAL ROOF ANGLE CONNECTION
SCALE: NOT TO SCALE

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600 W. CAMPBELL AVE
CAMPBELL, CA 95008

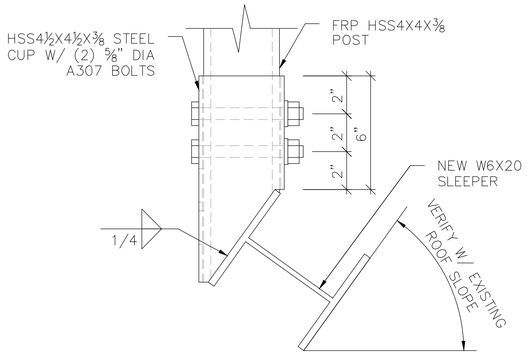
SEAL:

SHEET TITLE:

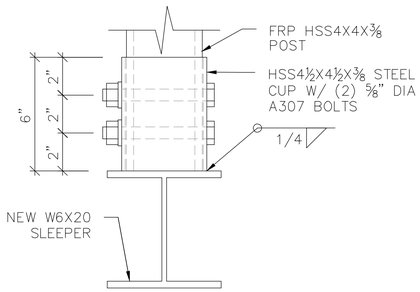
ENCLOSURE TO ROOF CONNECTION

SHEET NUMBER:

S-5



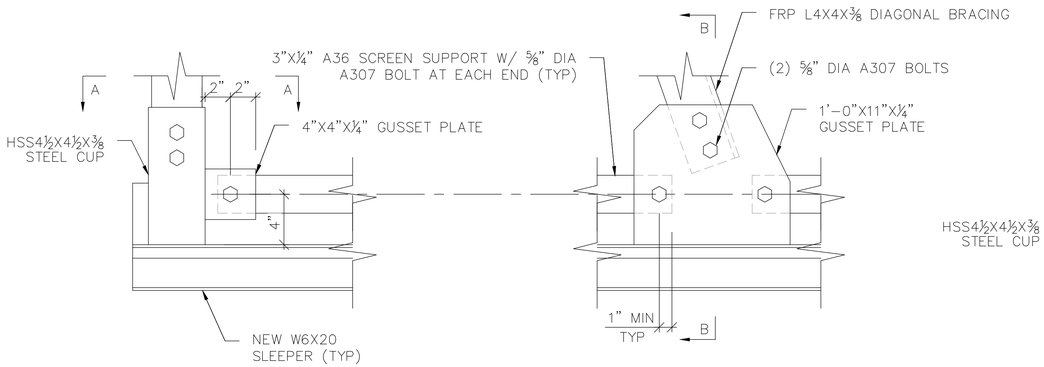
TYP CORNER POST



TYP INNER POST

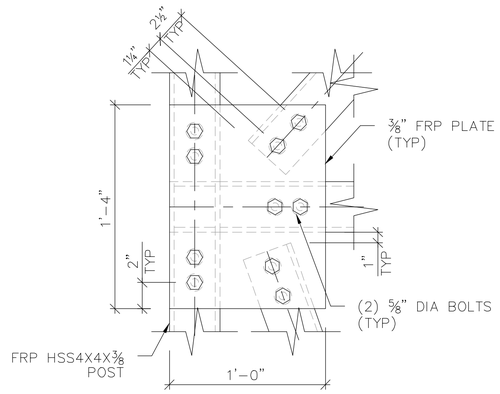
1 TYPICAL POST TO SLEEPER CONNECTION

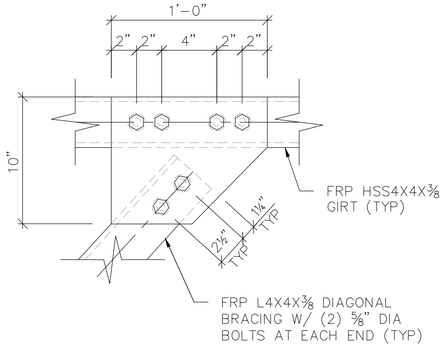
SCALE: NOT TO SCALE

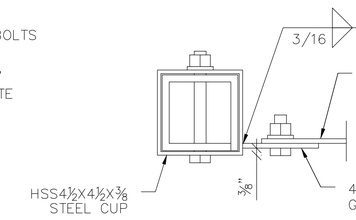


2 TYPICAL BRACING CONNECTION

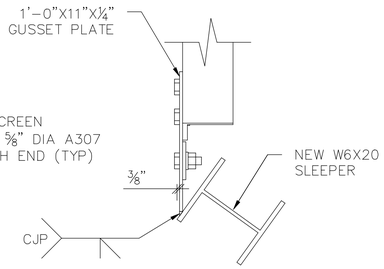
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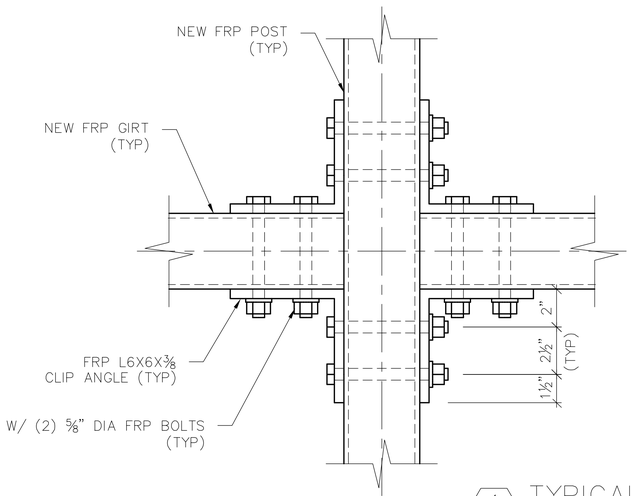
SECTION A–A

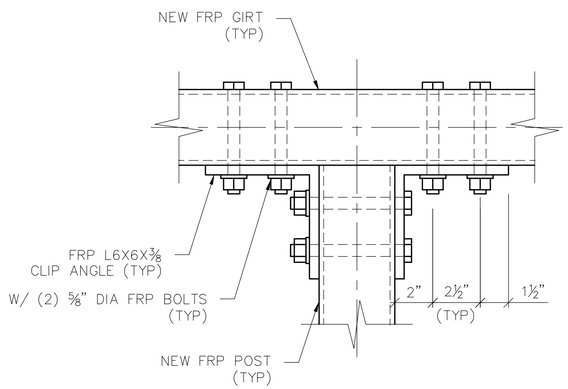


SECTION B–B

3 TYPICAL SCREEN SUPPORT CONNECTION

SCALE: NOT TO SCALE





4 TYPICAL GIRT TO POST CONNECTION

SCALE: NOT TO SCALE

T-Mobile

PLANS PREPARED BY:

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BUTLER America Telecom LLC

1511 E. ORANGETHORPE, SUITE D
FULLERTON, CA 92831

NO.	DATE:	DESCRIPTION:	BY:
0	09/13/24	FOR REVIEW	MK
1	07/21/25	REV. FRP LOCATION	MK

SITE INFORMATION:

SF0610 CAMPBELL SDA CHURCH

SF70610M

600 W. CAMPBELL AVE
CAMPBELL, CA 95008

SEAL:

SHEET TITLE:

DETAILS

SHEET NUMBER:

S-6