

ACCESSIBILITY NOTE:

- THIS PROJECT IS EXEMPT FROM ACCESSIBILITY REQUIREMENT DUE TO:
- ROOM NOT CUSTOMARILY OCCUPIED
 - COMPARABLE TO ELECTRICAL AND MECHANICAL ROOMS, WHICH ARE EXEMPT BY THE CBC
 - ROOM ACCESSED DURING EMERGENCY AND/OR MAINTENANCE PROCEDURES
 - THE INDUSTRY STANDARD EQUIPMENT LAYOUT AND SPACING WILL NOT ALLOW FOR ACCESSIBILITY CLEARANCES
 - MAJORITY OF THE CONTROLS, ALARMS AND ALERTING DEVICES INSTALLED AS PART OF THE TELECOMMUNICATION SYSTEM ARE DEPENDENT ON SIGHT AND HEARING. DURING EMERGENCY AND MAINTENANCE PROCEDURES, THESE ARE THE TASKS TO BE ADDRESS OR CONFIGURED



SMWD PROJECT #: SMWD2025-02

SMWD APPROVAL:

DANIEL PETERSON - LOGISTICS & REGULATORY MANAGER - DATE

**DISTRICT HQ ROOFTOP
SMWD SITE NAME**

SITE NUMBER: CXL00021
SITE NAME: SMWD DHQ ROOFTOP (FORMALLY LAD233 FA#1086989)
PACE#: MRLOS096185 | FA#: 15791117 | USID#: TBD

DRAWING INDEX (CONSTRUCTION)

REV.

DIRECTIONS

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LS-1	TOPOGRAPHIC SURVEY (FOR REFERENCE ONLY)	2
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DRIVING DIRECTIONS FROM AT&T WIRELESS, TUSTIN

- HEAD SOUTHEAST ON EDINGER AVE TOWARD RED HILL AVE
- TURN LEFT ONTO RED HILL AVE
- TAKE THE RAMP ON THE RIGHT FOR I-5 AND HEAD TOWARD SAN DIEGO
- AT EXIT 88, HEAD RIGHT ON THE RAMP FOR OSO PKWY E TOWARD MISSION VIEJO
- KEEP LEFT TO GET ONTO RAMP
- BEAR LEFT, THEN BEAR LEFT ONTO OSO PKWY
- TURN LEFT ONTO ANTONIO PKWY
- MAKE A U-TURN
- TURN RIGHT THEN BEAR LEFT ONTO SABLE
- TURN RIGHT
- ARRIVE AT DESTINATION

SCOPE OF WORK: AN UNMANNED TELECOMMUNICATIONS FACILITY INCLUDING THE INSTALLATION OF:

- EXISTING AT&T MONOPALM TO BE DECOMMISSIONED AND DEMOLISHED BY OTHERS
- (9) PANEL ANTENNAS ON EXISTING BUILDING ROOFTOP
- (9) REMOTE RADIO UNITS (RRUS) AT ANTENNA LEVEL
- (3) DC SURGE SUPPRESSORS (DC9), NEMA ENCLOSURE, AT ANTENNA LEVEL
- REPLACE TOP PORTION OF (E) ROOF TOWER WITH FRP SCREEN AND FAUX MANSARD ROOF
- (1) CWIC SHELTER
- (1) DC50 SURGE SUPPRESSOR ON CWIC SHELTER
- (1) GPS ANTENNA
- (1) 20KW AC GENERAC GENERATOR WITH 140 GAL. TOTAL DIESEL FUEL TANK
- POWER AND TELCO PANELS
- (1) TRANSFORMER
- REMOVE AND REPLACE (1) LIVE TREE
- POWER, FIBER, TELCO AND COAX RUNS

SITE ADDRESS: 26111 ANTONIO PARKWAY
RANCHO SANTA MARGARITA, CA 92688

PROPERTY OWNER: SANTA MARGARITA WATER DISTRICT
26111 ANTONIO PARKWAY
RANCHO, SANTA MARGARITA, CA 92688
CONTACT: DANIEL PETERSON
EMAIL: DANIELP@SMWD.COM

PROPERTY OWNER CONSULTANT: ATS COMMUNICATIONS
4195 CHINO HILLS PKWY, #605
CHINO HILLS, CA 91709
CONTACT: RICK PANIAGUA
EMAIL: RICK@ATSCOMM.COM

APPLICANT: AT&T WIRELESS
1452 EDINGER AVENUE, 3RD FLOOR
TUSTIN, CA 92780

JURISDICTION: COUNTY OF ORANGE

APN: 782-631-24

CURRENT ZONING: LAS FLORES PLANNED COMMUNITY

CURRENT LAND USE: OC PARK

NEW OCCUPANCY/USE: TYPE U (UNMANNED TELECOMMUNICATIONS FACILITY)

NEW CONST. TYPE: V-B

COORDINATES (NAD 83)

- SECTOR 'A'**
LATITUDE: 33°34'53.99" N (33.581663°)
LONGITUDE: 117°37'58.02" W (-117.632783°)
- SECTOR 'B'**
LATITUDE: 33°34'52.10" N (33.581138°)
LONGITUDE: 117°37'58.60" W (-117.632944°)
- SECTOR 'C'**
LATITUDE: 33°34'53.99" N (33.581663°)
LONGITUDE: 117°37'58.02" W (-117.632783°)
- CENTER OF BUILDING**
LATITUDE: 33°34'52.82" N (33.581333°)
LONGITUDE: 117°37'58.41" W (-117.632889°)

ELEVATION (NAVD88)
AMSL: 595'

LEASE AREA: EQUIPMENT AREA = 521 SQ.FT.
ANTENNA AREA = 684 SQ.FT.
TOTAL AREA = 1,205 SQ.FT.

VICINITY MAP



CODE COMPLIANCE

- ** NOTE:** ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THESE CODES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.
- 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC)
 - 2022 CALIFORNIA BUILDING CODE (CBC), VOLUMES 1, AND 2
 - 2022 CALIFORNIA ELECTRICAL CODE
 - 2022 CALIFORNIA MECHANICAL CODE (CMC)
 - 2022 CALIFORNIA ENERGY CODE
 - 2022 CALIFORNIA FIRE CODE (CFC)
 - 2022 CALIFORNIA GREEN CODE
 - 2022 CALIFORNIA REFERENCES STANDARDS CODE
 - LOCAL CODES, REGULATIONS AND ORDINANCES

SITE QUALIFICATION PARTICIPANTS

	NAME/CONTACT	COMPANY	NUMBER
A/E	D.K. DO/BOK YU	DCI PACIFIC	(949) 475-1000
SAC	STELLA SHIH	RLS	(602) 527-3592
ZONING	STELLA SHIH	RLS	(602) 527-3592
RF	GABBY DE SILVA	AT&T	(562) 216-0159
CONST	JEREMY BREWER	JACOBS	(760) 500-6079
LL CONSULTANT	RICK PANIAGUA	ATS COMMUNICATIONS	(949) 702-3050

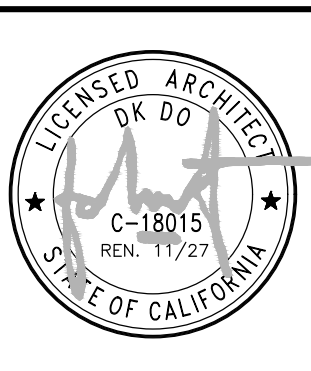
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A|E|C WORKS
ARCHITECTURE | ENGINEERING | CONSULTING
38 EXECUTIVE PARK | SUITE 240
IRVINE | CA 92614

CXL00021
SMWD DHQ ROOFTOP
(FORMALLY LAD233 FA#10086989)
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26111 ANTONIO PARKWAY
RANCHO SANTA MARGARITA, CA 92688

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TUSTIN, CA 92780

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1	04/09/26	MINOR PLAN CHECK COMMENTS	RF	BOK	DKD
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A	09/19/25	ISSUED FOR CD REVIEW AND COMMENTS	RF	BOK	DKD

SCALE AS SHOWN DESIGNED DRAWN



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TITLE SHEET
JOB NO. DRAWING NUMBER REV.
CXL00021-T01 1

ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS ARE USED ON THESE DRAWINGS

AC	ALTERNATING CURRENT
APPROX	APPROXIMATE
ABV	ABOVE
AL	ALUMINUM
ASPH	ASPHALT
AWG	AMERICAN WIRE GAUGE
BCW	BARE COPPER WIRE
BTS	BASE TRANSMISSION STATION
CAB	CABINET
CONC	CONCRETE
CONT	CONTINUOUS
CWIC	CONCRETE WALK-IN-CABINET
DC	DIRECT CURRENT
DIA.	DIAMETER
DWG.	DRAWING
(E)	EXISTING
EGB	EQUIPMENT GROUND BAR
EA	EACH
ELECT	ELECTRICAL
EL	ELEVATION
EMT	ELECTRICAL METALLIC TUBING
EQ	EQUAL
EQUIP	EQUIPMENT
FRP	FIBERGLASS REINFORCED PLASTIC
GA	GAUGE
GAL	GALLONS
GALV	GALVANIZED
GEN	GENERATOR
GPS	GLOBAL POSITIONING SYSTEM
GRND	GROUND
IGR	INTERIOR GROUND RING (HALO)
IMC	INTERMEDIATE METALLIC CONDUIT
KW	KILOWATT
MAX	MAXIMUM
MECH	MECHANICAL
MFR.	MANUFACTURER
MGB	MASTER GROUND BAR
MIN	MINIMUM
(N)	NEW
NEMA	NATIONAL ELECTRICAL MANUFACTURER ASSOCIATION
NTS	NOT TO SCALE
OC	ON CENTER
OPP	OPPOSITE
PCS	PERSONAL COMMUNICATION SYSTEM
PVC	POLYVINYL CONDUIT
RGS	RIGID GALVANIZED STEEL
RRUS	REMOTE RADIO UNITS
SF	SQUARE FOOT
SH	SHEET
SIM	SIMILAR
SS	STAINLESS STEEL
TBD	TO BE DETERMINED
TELECOM	TELECOMMUNICATIONS
TYP	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
VIF	VERIFY IN FIELD
WWF	WELDED WIRE FABRIC

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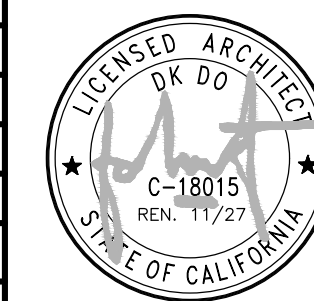
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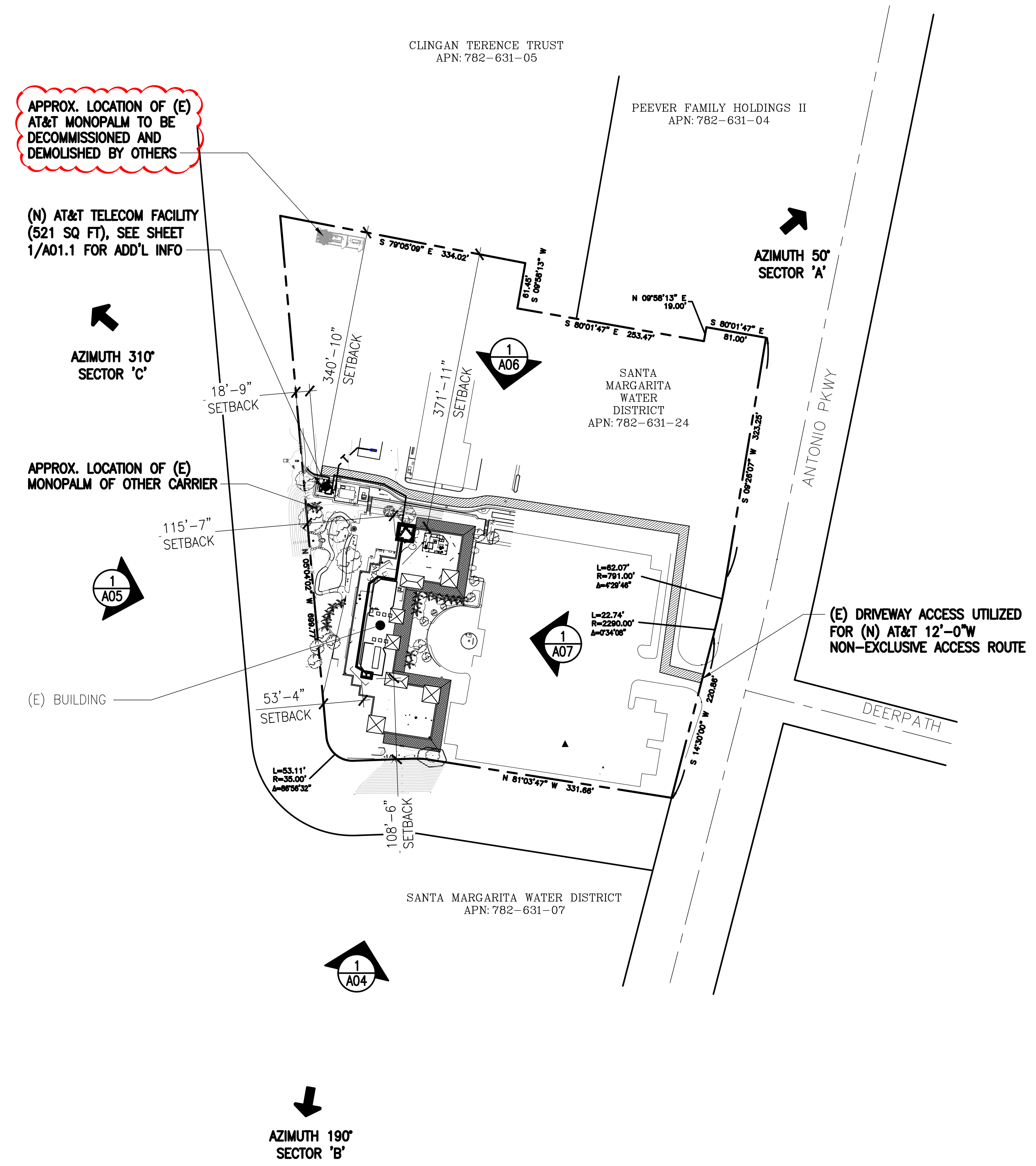
SCALE AS SHOWN DESIGNED DRAWN



ABBREVIATIONS

JOB NO	DRAWING NUMBER	REV.
	CXLO0021-T02	1

NOTE:
 • SEE SURVEY FOR EASEMENT INFO.
 • PENDING FINAL POWER/TELCO UTILITY COORDINATION REPORT



SITE PLAN

NORTH
 0 20' 50' 100'
 SCALE: 1"=100'-0"
 1

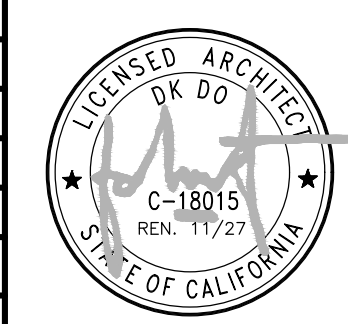
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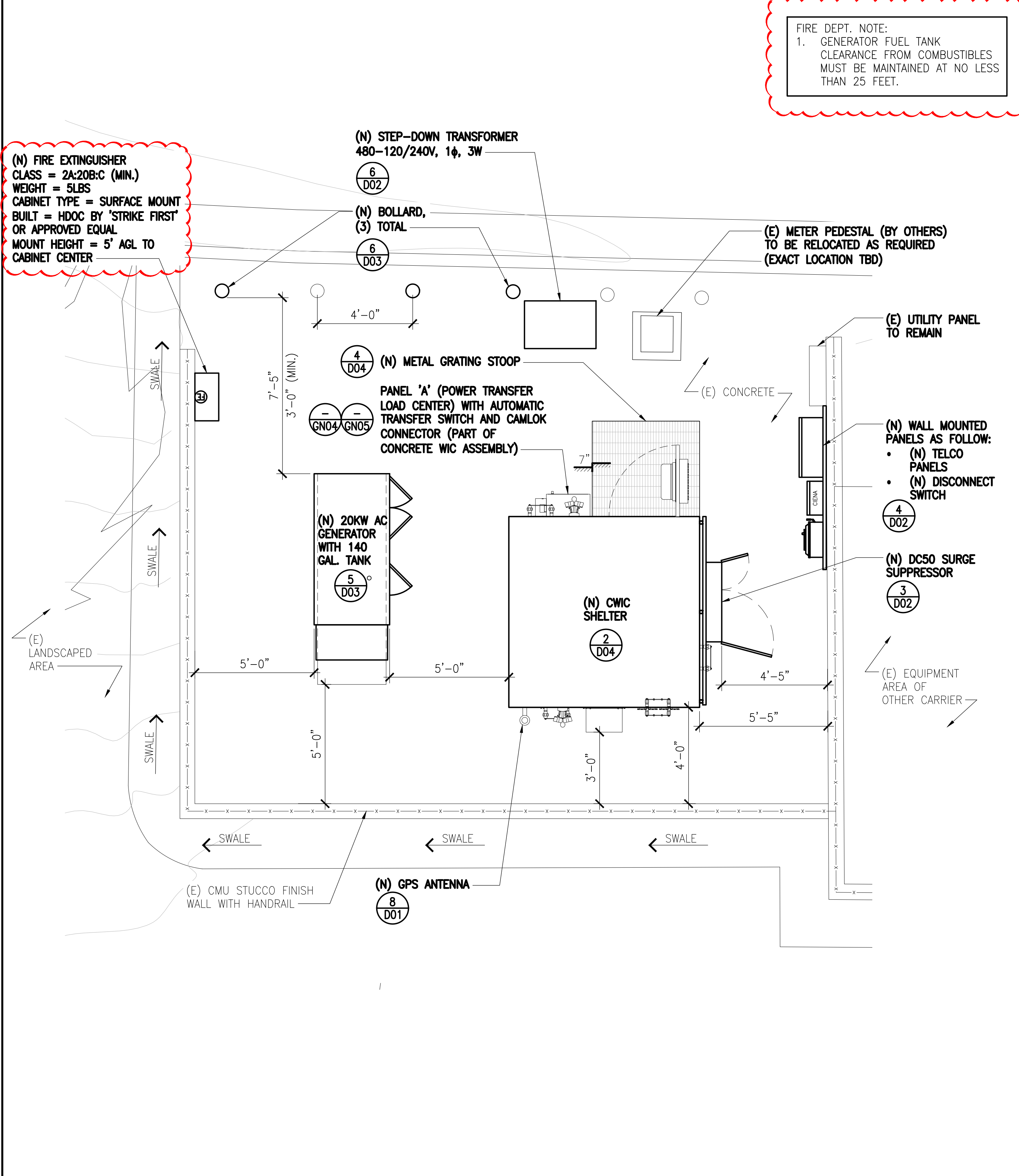
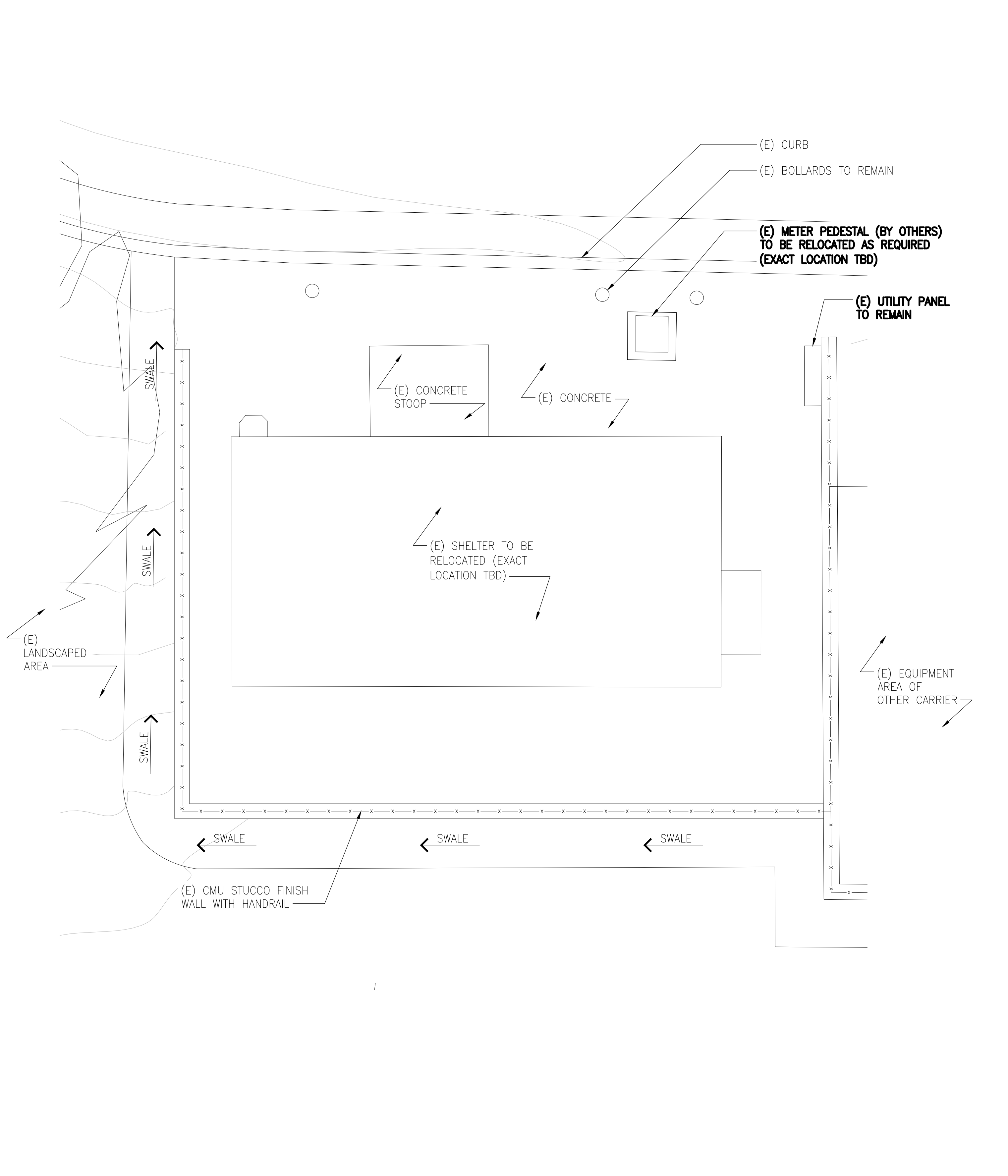
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JOB NO.	DRAWING NUMBER	REV.
	CXLO0021-A01	1

FIRE DEPT. NOTE:
 1. GENERATOR FUEL TANK
 CLEARANCE FROM COMBUSTIBLES
 MUST BE MAINTAINED AT NO LESS
 THAN 25 FEET.



EXISTING EQUIPMENT LAYOUT PLAN

NEW EQUIPMENT LAYOUT PLAN

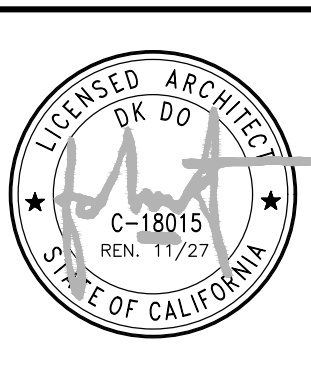
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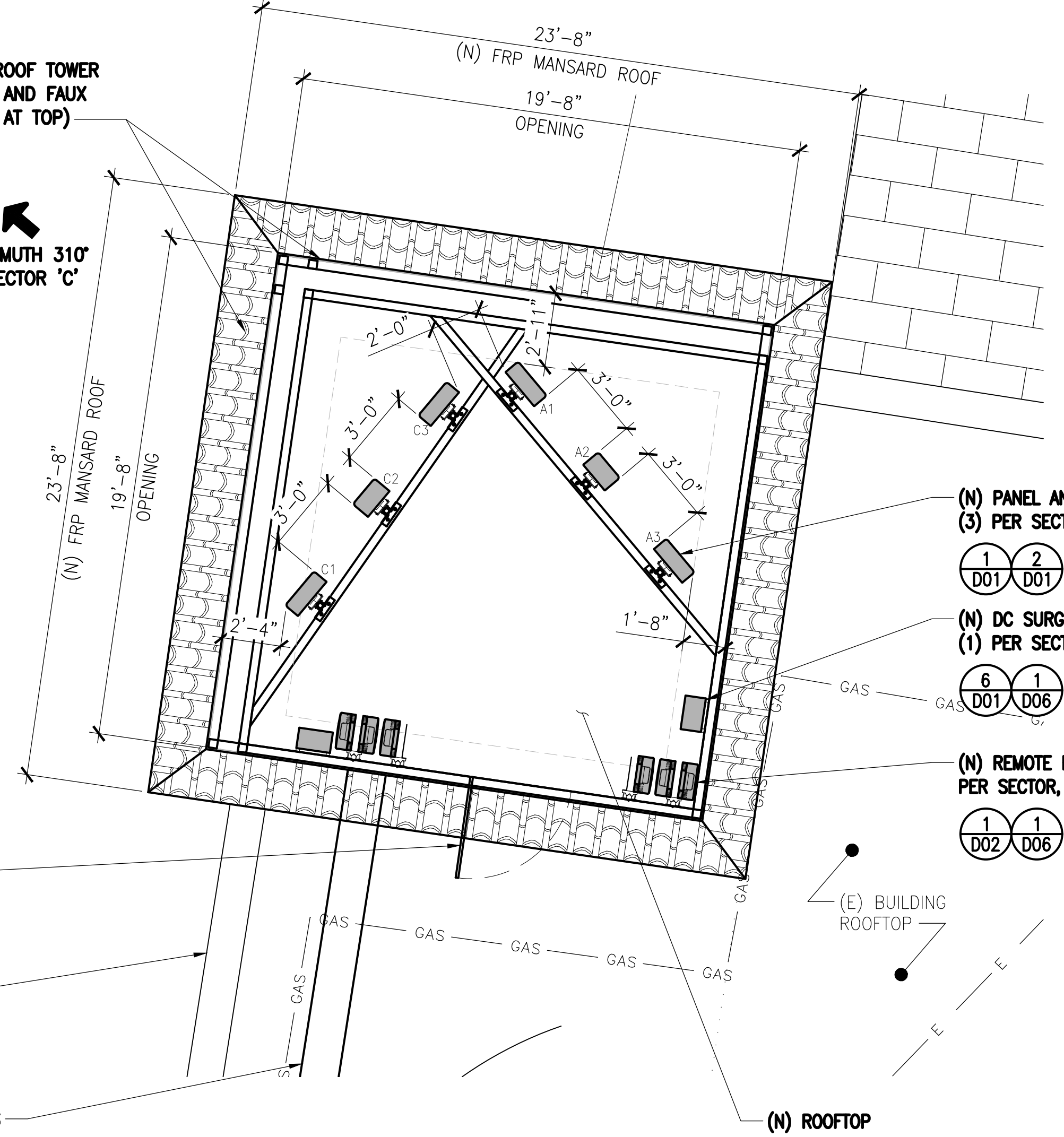


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EXISTING AND NEW EQUIPMENT LAYOUT PLANS
 JOB NO. DRAWING NUMBER REV.
 CX00021-A02 1

REPLACE TOP OF (E) ROOF TOWER WITH (N) FRP SCREEN AND FAUX MANSARD ROOF (OPEN AT TOP)

1
D05

← AZIMUTH 310° SECTOR 'C'



→ AZIMUTH 50° SECTOR 'A'

(N) PANEL ANTENNAS, (3) PER SECTOR, (9) TOTAL

1 2
D01 D01

(N) DC SURGE SUPPRESSORS (DC9), NEMA ENCLOSURE, (1) PER SECTOR, (3) TOTAL

6 1
D01 D06

(N) REMOTE RADIO UNITS, (3) PER SECTOR, (9) TOTAL

1 1
D02 D06

(N) ACCESS PANEL

6
D04

(E) PARAPET

(N) ROOFTOP MOUNTED CABLE TRAY ON 'DURA-BLOK' SLEEPERS

5
D02

(N) ROOFTOP

(E) BUILDING ROOFTOP

5
D02

(N) ROOFTOP MOUNTED CABLE TRAY ON 'DURA-BLOK' SLEEPERS

1
D06

(N) ANTENNA MOUNT FRAME

1
D06

(E) PARAPET

↓ AZIMUTH 190° SECTOR 'B'

(N) DC SURGE SUPPRESSORS (DC9), NEMA ENCLOSURE, (1) PER SECTOR, (3) TOTAL

6 3
D01 D06

(N) REMOTE RADIO UNITS, (3) PER SECTOR, (9) TOTAL

1 3
D02 D06

(N) PANEL ANTENNAS, (3) PER SECTOR, (9) TOTAL

1 2
D01 D01

RELOCATE (E) SAFETY HANDRAIL IN FRONT OF ANTENNAS, GC TO COORDINATE WITH LANDLORD

(E) BUILDING ROOFTOP

(E) ROOF TOWER

CXL00021 ANTENNA & RRU SCHEDULE

SECTOR	PANEL ANTENNAS					REMOTE RADIO UNITS (RRU'S)			CABLES		
	POSITION	MFR	MODEL NO.	AZIMUTH	RAD CENTER	QTY	MODEL NO.	UP OR DOWN	FIBER TRUNKS QTY	DC TRUNKS QTY	JUMPERS DIA
ALPHA	A1	CCI	OPA65R-BU6D	50	33'-8"	1	RRUS 4490 B5/B12A	UP			1/2"
	A2	ERICSSON	AIR 6472 B77G B77M	50	35'-2"		NONE	NA	1	230'	3
	A3	CCI	TPA65R-BU6D	50	33'-8"	1	RRUS 4890 B25/B66	UP			1/2"
BETA	B1	CCI	OPA65R-BU6D	190	36'-7"	1	RRUS 4490 B5/B12A	UP			1/2"
	B2	ERICSSON	AIR 6472 B77G B77M	190	38'-1"		NONE	NA	1	450'	3
	B3	CCI	TPA65R-BU6D	190	36'-7"	1	RRUS 4890 B25/B66	UP			1/2"
GAMMA	C1	CCI	OPA65R-BU6D	310	33'-8"	1	RRUS 4490 B5/B12A	UP			1/2"
	C2	ERICSSON	AIR 6472 B77G B77M	310	35'-2"		NONE	NA	1	230'	3
	C3	CCI	TPA65R-BU6D	310	33'-8"	1	RRUS 4890 B25/B66	UP			1/2"

ANTENNA LAYOUT PLANS AND SCHEDULE

NORTH 0 1' 2' 4' SCALE: 1/4"=1'-0" 1

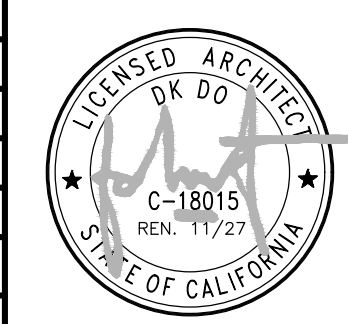
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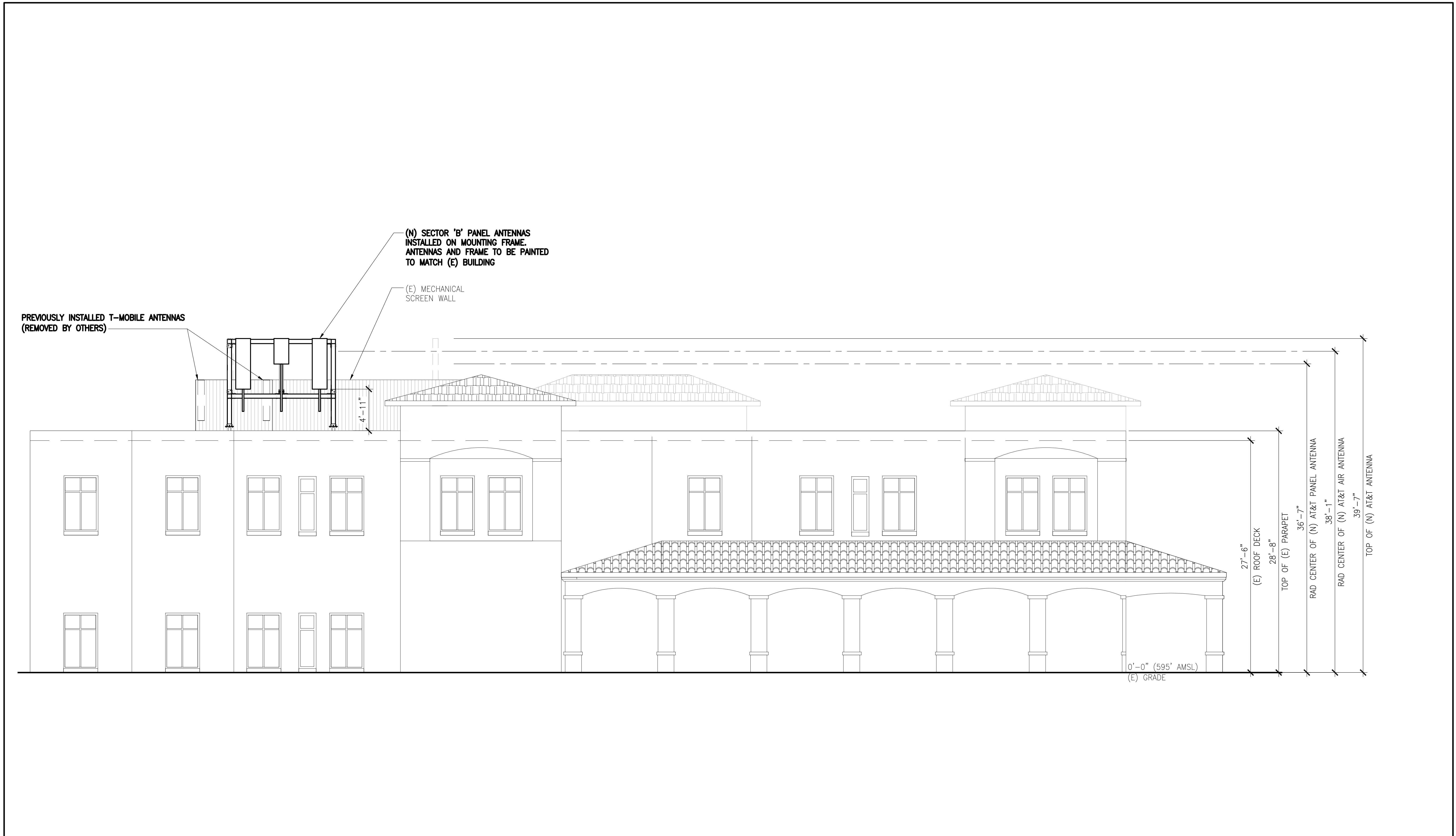
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SCALE		AS SHOWN	DESIGNED	DRAWN	



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ANTENNA LAYOUT PLANS AND SCHEDULE

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CXL00021-A03 1



SOUTH ELEVATION

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

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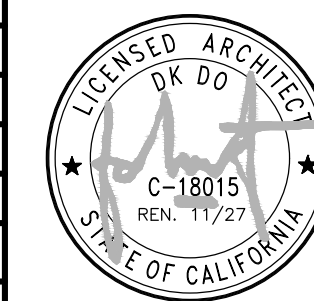
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SCALE AS SHOWN DESIGNED DRAWN



JOB NO.	DRAWING NUMBER	REV.
	CXLO0021-A04	1

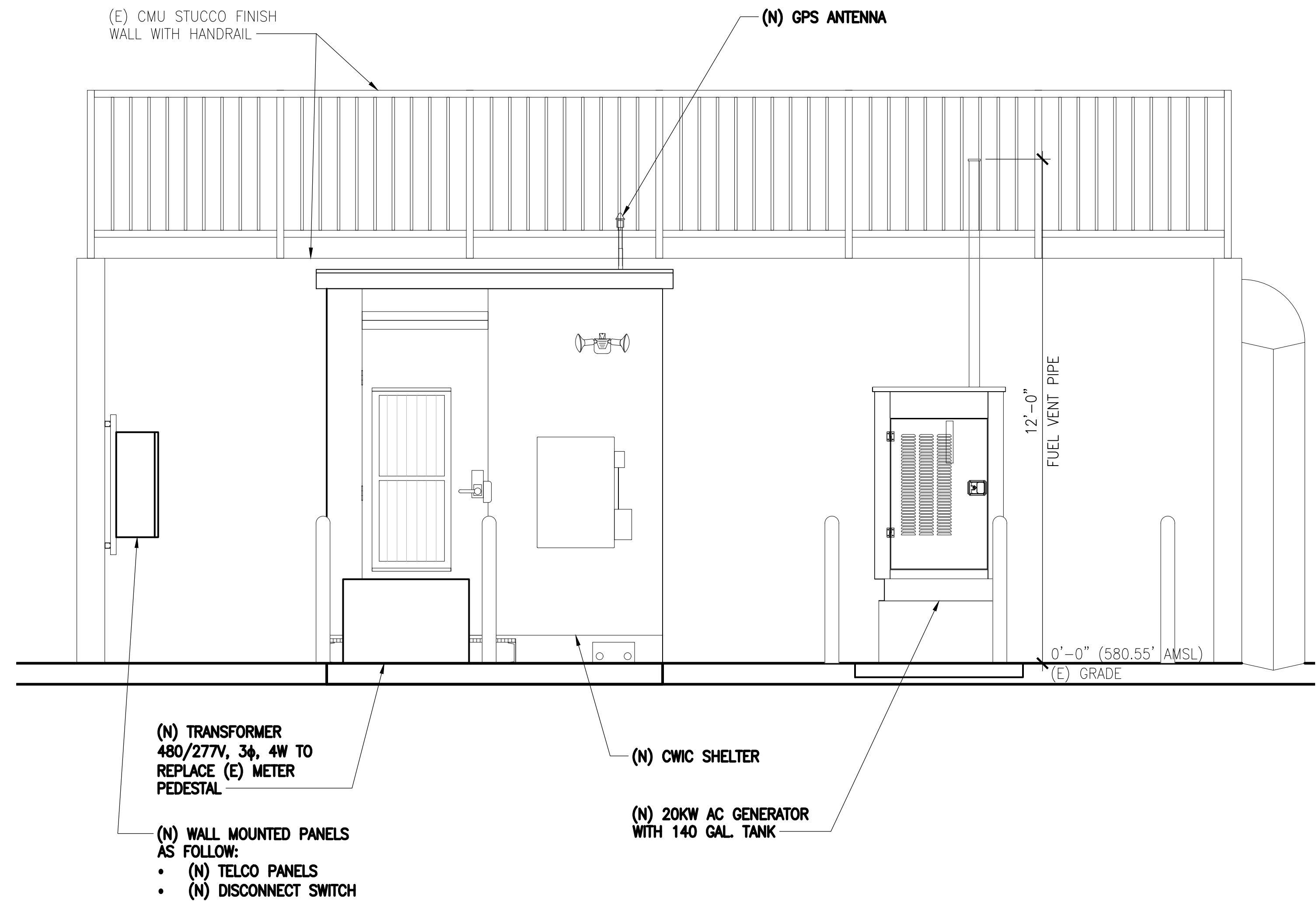
COMPLIANCE TO NFPA 30 TABLE 22.4.1.1(A)

TYPE OF TANK:	HORIZONTAL TANK WITH EMERGENCY RELIEF VENTING TO LIMIT 2.5 PSI		
PROTECTION:	NONE		
ABOVE GROUND TANK PLACEMENT	MINIMUM DISTANCE (SEE TABLE BELOW) FT	THIS PROJECT	COMPLIANCE
FROM ADJACENT PROPERTY	(2) X VALUE IN TABLE 22.4.1.1(B)	10.0	19'-7"
FROM NEAREST SIDE OF PUBLIC WAY	VALUE IN TABLE 22.4.1.1(B)	5.0	9'-3"
NEAREST IMPORTANT BLDG ON SAME PROPERTY	VALUE IN TABLE 22.4.1.1(B)	5.0	110'-10"

Table 22.4.1.1(b) Reference Table for Use with Tables 22.4.1.1(a), 22.4.1.3, and 22.4.1.5

Tank Capacity (gal)	Minimum Distance (ft)	
	From Property Line that Is or Can Be Built Upon, Including the Opposite Side of a Public Way	From Nearest Side of Any Public Way or from Nearest Important Building on the Same Property
275 or less	5	5
276 to 750	10	5
751 to 12,000	15	5
12,001 to 30,000	20	5
30,001 to 50,000	30	10
50,001 to 100,000	50	15
100,001 to 500,000	80	25
500,001 to 1,000,000	100	35
1,000,001 to 2,000,000	135	45
2,000,001 to 3,000,000	165	55
3,000,001 or more	175	60

For SI units, 1 ft = 0.3 m; 1 gal = 3.8 L.



ABOVE GROUND STORAGE TANK TABLE 22.4.1.1 (A) & (B)

SCALE: NTS 2

EQUIPMENT AREA SOUTH ELEVATION

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

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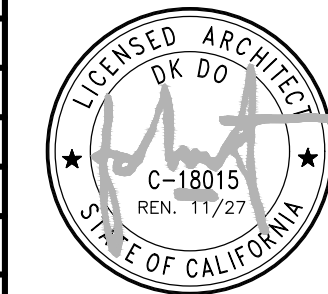
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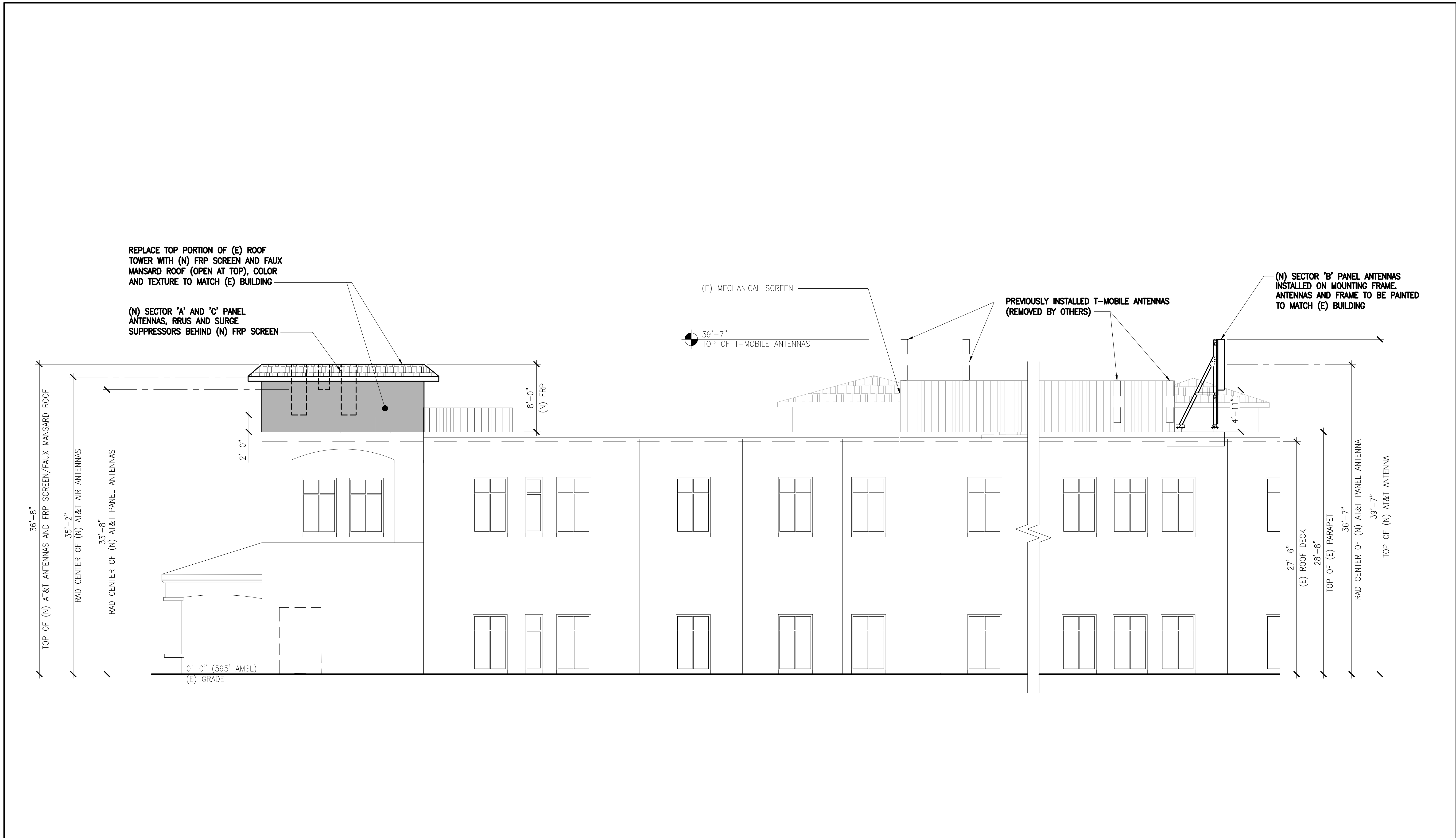
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0	11/14/25	ADDRESS PLAN CHECK COMMENTS	RF	BOK	DKD
A	09/19/25	ISSUED FOR CD REVIEW AND COMMENTS	RF	BOK	DKD

SCALE AS SHOWN DESIGNED DRAWN



EQUIPMENT AREA ELEVATION

JOB NO.	DRAWING NUMBER	REV.
	CXLO0021-A04.1	1



WEST ELEVATION

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

DCI PACIFIC
A|E|C WORKS

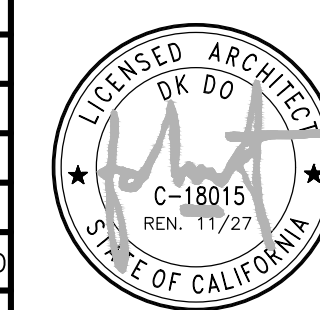
ARCHITECTURE | ENGINEERING | CONSULTING
38 EXECUTIVE PARK | SUITE 240
IRVINE | CA 92614

CX00021
SMWD DHQ ROOFTOP
(FORMALLY LAD233 FA#10086989)
PACE#: MRLOS096185 | FA#: 15791117 | USID#: TBD
26111 ANTONIO PARKWAY
RANCHO SANTA MARGARITA, CA 92688



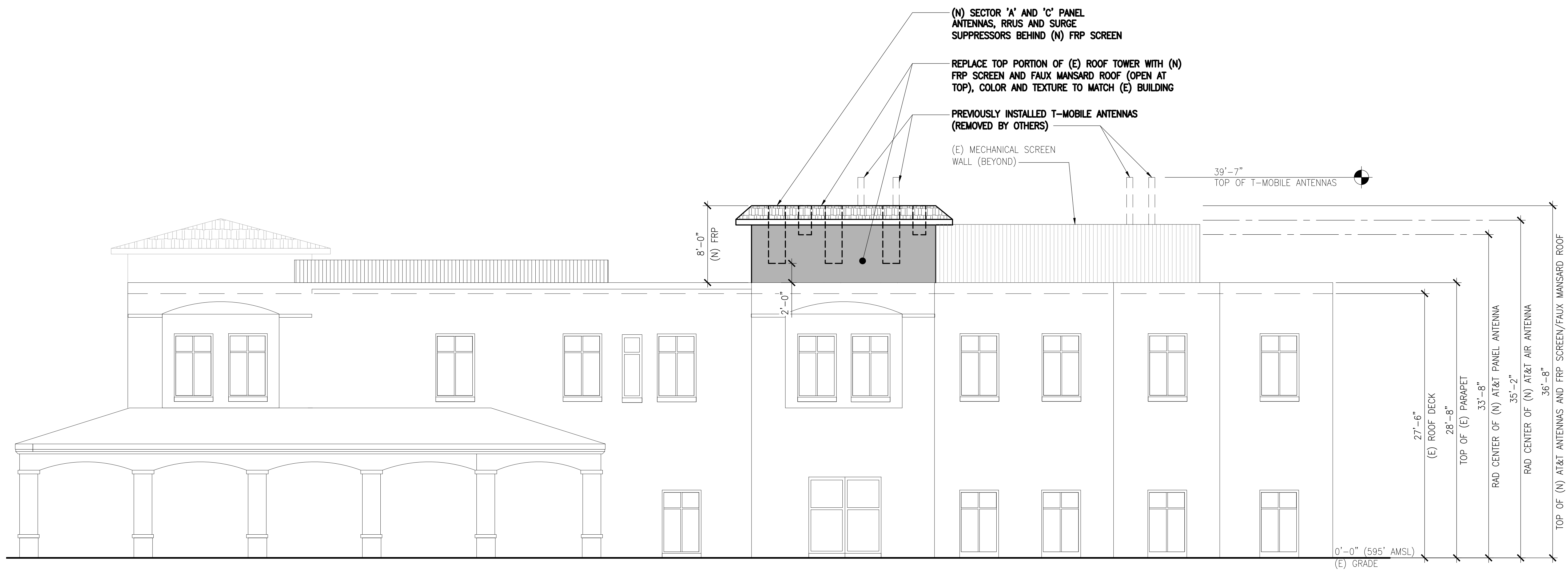
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A	09/19/25	ISSUED FOR CD REVIEW AND COMMENTS	RF	BOK	DKD

SCALE AS SHOWN DESIGNED DRAWN



AT&T
ELEVATION

JOB NO.	DRAWING NUMBER	REV.
	CX00021-A05	1



NORTH ELEVATION

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

DCI PACIFIC
A|E|C WORKS

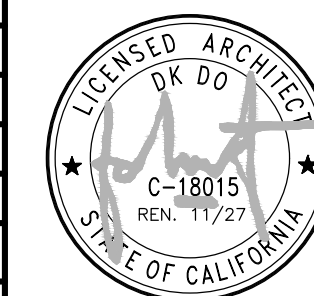
ARCHITECTURE | ENGINEERING | CONSULTING
38 EXECUTIVE PARK | SUITE 240
IRVINE | CA 92614

CXLO0021
SMWD DHQ ROOFTOP
(FORMALLY LAD233 FA#10086989)
PACE#: MRLOS096185 | FA#: 15791117 | USID#: TBD
26111 ANTONIO PARKWAY
RANCHO SANTA MARGARITA, CA 92688

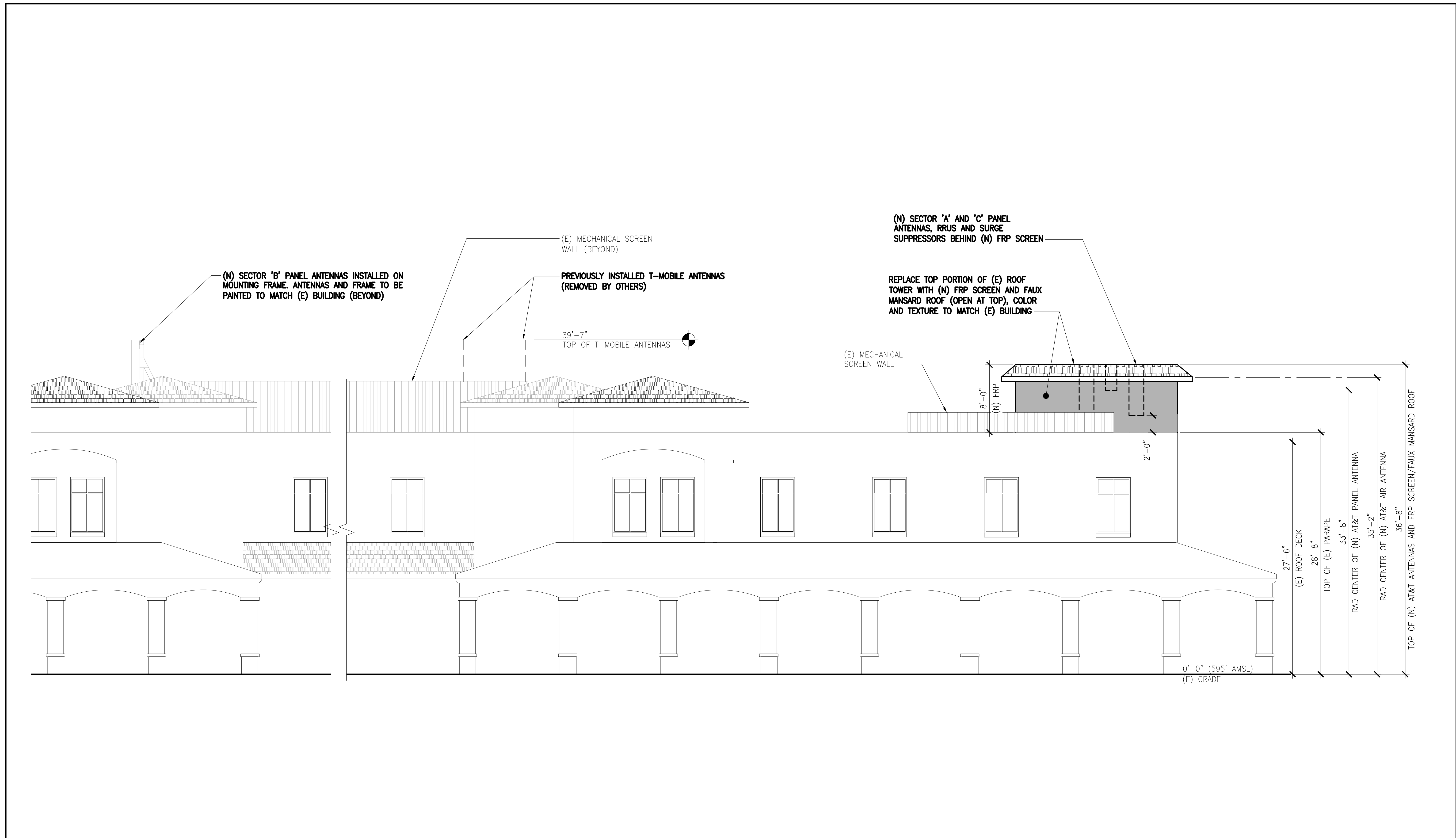


NO.	DATE	REVISIONS	BY	CHK	APP'D
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0	11/14/25	ADDRESS PLAN CHECK COMMENTS	RF	BOK	DKD
A	09/19/25	ISSUED FOR CD REVIEW AND COMMENTS	RF	BOK	DKD

SCALE AS SHOWN DESIGNED DRAWN



JOB NO.	DRAWING NUMBER	REV.
	CXLO0021-A06	1



EAST ELEVATION

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

DCI PACIFIC
A|E|C WORKS

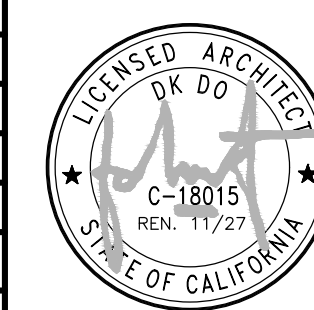
ARCHITECTURE | ENGINEERING | CONSULTING
38 EXECUTIVE PARK | SUITE 240
IRVINE | CA 92614

CX00021
SMWD DHQ ROOFTOP
(FORMALLY LAD233 FA#10086989)
PACE#: MRLOS096185 | FA#: 15791117 | USID#: TBD
26111 ANTONIO PARKWAY
RANCHO SANTA MARGARITA, CA 92688



NO.	DATE	REVISIONS	BY	CHK	APP'D
1	04/09/26	MINOR PLAN CHECK COMMENTS	RF	BOK	DKD
0	11/14/25	ADDRESS PLAN CHECK COMMENTS	RF	BOK	DKD
A	09/19/25	ISSUED FOR CD REVIEW AND COMMENTS	RF	BOK	DKD

SCALE AS SHOWN DESIGNED DRAWN



AT&T
ELEVATION

JOB NO.	DRAWING NUMBER	REV.
	CX00021-A07	1

CONCRETE

- ALL CONCRETE MATERIALS AND WORKMANSHIP SHALL CONFORM TO CHAPTER 19 OF THE CBC AND TO ALL REQUIREMENTS OF THE CURRENT EDITION OF ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS", EXCEPT AS SPECIFIED HEREIN.
- MIX DESIGN REQUIREMENTS:
 - CEMENT SHALL BE TYPE II.
 - COMPRESSIVE STRENGTH = 2,500 PSI UNLESS NOTED OTHERWISE
 - CONCRETE SLUMP SHALL NOT EXCEED 5".
 - WATER CEMENT RATIO SHALL NOT EXCEED 0.45.
- ALL REINFORCING STEEL SHALL BE SECURED IN POSITION AND INSPECTED BY THE BUILDING OFFICIAL PRIOR TO PLACING CONCRETE.
- SPECIAL INSPECTION IS NOT REQUIRED FOR CONCRETE FOUNDATIONS OR REBAR PLACEMENT. ALL CONCRETE HAS BEEN DESIGNED FOR 2500 PSI.
- ALL CONCRETE SHALL BE NORMAL WEIGHT CONFORMING TO THE FOLLOWING:

LOCATION	28-DAY MIN. COMPRESSIVE STRENGTH
B. SHALLOW FOUNDATION	2,500 PSI
SLAB ON GRADE	2,500 PSI
FOOTINGS	2,500 PSI

ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS ARE USED ON THESE DRAWINGS

APPROX.	APPROXIMATE
ABV.	ABOVE
AL.	ALUMINUM
ASPH.	ASPHALT
AWG	AMERICAN WIRE GAUGE
BTS	BARE COPPER WIRE
CAB.	CABINET
CONC.	CONCRETE
CONT.	CONTINUOUS
DIA.	DIAMETER
DWG.	DRAWING
EGB	EQUIPMENT GROUND BAR
EA.	EACH
ELECT.	ELECTRICAL
EL	ELEVATION
EMT	ELECTRICAL METALLIC TUBING
EQ.	EQUAL
EQUIP.	EQUIPMENT
GA.	GAUGE
GALV.	GALVANIZED
GEN	GENERATOR
GRND	GROUND
IGR	INTERIOR GROUND RING (HALO)
IMC	INTERMEDIATE METALLIC CONDUIT
MAX.	MAXIMUM
MECH.	MECHANICAL
MFR.	MANUFACTURER
MGB	MASTER GROUND BAR
MIN.	MINIMUM
NTS	NOT TO SCALE
OC	ON CENTER
OPP	OPPOSITE
PCS	PERSONAL COMMUNICATION SYSTEM
PVC	POLYVINYL CONDUIT
RGS	RIGID GALVANIZED STEEL
SF.	SQUARE FOOT
SH	SHEET
SIM.	SIMILAR
SS	STAINLESS STEEL
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
VIF	VERIFY IN FIELD
WWF	WELDED WIRE FABRIC

SITE LEGENDS

	PROPERTY LINE
	FENCE LINE
	POWER SERVICE
	TELEPHONE SERVICE
	POWER/TEL SERVICES
	PROPOSED CONTOUR
	EXISTING CONTOUR
	COAX CABLE
	CIRCUIT BREAKER
	CADWELD TYPE CONNECTION
	COMPRESSION TYPE CONNECTION
	GROUNDING WIRE
	REPRESENTS DETAIL NUMBER
	REF. DRAWING NUMBER

SYMBOLS AND MATERIAL

	DETAIL REFERENCE
	SECTIONS AND DETAILS
	CONCRETE
	EARTH
	GRAVEL/STONE
	GROUND ROD WITH ACCESS
	CHEMICAL GROUND ROD
	GROUND ROD
	DISCONNECT SWITCH
	METER

GENERAL NOTES

- THE LATEST EDITION OF THE AMERICAN INSTITUTE OF ARCHITECTS DOCUMENT A201 "GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION" ARE INCLUDED IN THESE SPECIFICATIONS AS IF COMPLETELY REPRODUCED HERE IN.
- THIS FACILITY IS AN UNOCCUPIED PCS TELECOMMUNICATIONS SITE AND IS EXEMPT FROM DISABLED ACCESS REQUIREMENTS.
- PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTORS PARTICIPATING SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH ALL FIELD CONDITIONS AFFECTING THE PROPOSED PROJECT INCLUDING DEMOLITION, ELECTRICAL, MECHANICAL AND STRUCTURAL INSTALLATIONS, AS WELL AS WITH THE CONSTRUCTION AND CONTRACT DOCUMENTS AND SHALL CONFIRM THAT THE PROJECT CAN BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. SHOULD ANY ERRORS, OMISSION, OR DISCREPANCIES BE FOUND, THE GENERAL CONTRACTOR SHALL IMMEDIATELY NOTIFY AT&T CONSTRUCTION MANAGER AND THE ARCHITECT IN WRITING. IN THE EVENT OF DISCREPANCIES THE CONTRACTOR SHALL INCLUDE THE MORE COSTLY OR EXTENSIVE WORK IN THE BID, UNLESS SPECIFICALLY DIRECTED OTHERWISE. IF A DISCREPANCY EXISTS AND THE PROJECT MANAGER AND ARCHITECT ARE NOT NOTIFIED, THE GENERAL CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL COSTS INCURRED TO REPAIR OR CORRECT ALL PROBLEMS THAT RESULT.
- DRAWINGS SHALL NOT BE SCALED. THESE DRAWINGS ARE INTENDED TO BE DIAGRAMMATIC ONLY. FIGURED DIMENSIONS HAVE PRECEDENCE OVER DRAWING SCALE AND DETAIL DRAWINGS HAVE PRECEDENCE OVER SMALL SCALE-DRAWINGS. CONTRACTOR SHALL CHECK ACCURACY OF ALL DIMENSIONS IN THE FIELD. UNLESS SPECIFICALLY NOTED, DO NOT FABRICATE ANY MATERIALS, OR BEGIN ANY CONSTRUCTION UNTIL THE ACCURACY OF DRAWING DIMENSIONS HAVE BEEN VERIFIED AGAINST ACTUAL FIELD DIMENSIONS.
- THE CONTRACTOR SHALL INCLUDE IN HIS OR HER BID ALL MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE THE WORK AS INDICATED OR IMPLIED BY THESE DRAWINGS.
- CONTRACTOR SHALL NOTIFY THE AT&T CONSTRUCTION MANAGER, THE PROPERTY OWNER AND THE ARCHITECT IF ANY DETAILS ARE CONSIDERED IMPRACTICAL, UNSUITABLE, UNSAFE, NOT WATERPROOF, OR NOT WITHIN CUSTOMARY TRADE PRACTICE. IF WORK IS PERFORMED, IT WILL BE ASSUMED THAT THERE IS NO OBJECTION TO ANY DETAIL. DETAILS ARE INTENDED TO SHOW THE END RESULT OF THE DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB CONDITIONS, AND SHALL BE INCLUDED AS PART OF THE WORK.
- EXISTING ELEVATIONS AND LOCATIONS TO BE JOINED SHALL BE VERIFIED BY THE CONTRACTOR BEFORE CONSTRUCTION. IF THEY DIFFER FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE AT&T CONSTRUCTION MANAGER AND THE ARCHITECT SO THAT MODIFICATIONS CAN BE MADE BEFORE PROCEEDING WITH THE WORK.
- THE CONTRACTOR SHALL VERIFY ALL TELEPHONE & RADIO EQUIPMENT LAYOUTS, SPECIFICATIONS, PERFORMANCE, INSTALLATION AND FINAL LOCATIONS WITH AT&T CONSTRUCTION MANAGER PRIOR TO BEGINNING WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH ERICSSON RADIO SYSTEMS.
- ALL SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED CONSTRUCTION STANDARDS. IF THE CONTRACTOR HAS QUESTIONS REGARDING THEIR EXACT MEANING, THE AT&T CONSTRUCTION MANAGER AND THE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION BEFORE THE CONTRACTOR PROCEEDS WITH THE WORK.
- THE CONTRACTOR SHALL OBTAIN AND PAY FOR PERMITS, LICENSES AND INSPECTIONS NECESSARY FOR PERFORMANCE OF THE WORK AND INCLUDE THOSE IN THE COST OF THE WORK TO AT&T.
- THE CONTRACTOR SHALL PROVIDE CONTINUOUS SUPERVISION WHILE ANY SUBCONTRACTORS OR WORKMEN ARE ON THE SITE AND SHALL SUPERVISE AND DIRECT ALL WORK, USING HIS BEST SKILL AND ATTENTION. HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES AND SEQUENCES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
- WORKMANSHIP THROUGHOUT BE OF THE BEST QUALITY OF THE TRADE INVOLVED, AND SHALL MEET OR EXCEED THE FOLLOWING MINIMUM REFERENCE STANDARDS FOR QUALITY AND PROFESSIONAL CONSTRUCTION PRACTICE:

NATIONAL ROOFING CONTRACTORS ASSOCIATION O'HARE INTERNATIONAL CENTER 10255 W. HIGGINS ROAD, SUITE 600 ROSEMONT, IL 60018
SMACNA SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION 4201 LAFAYETTE CENTER DRIVE CHATILLY, VA 22021-1209
NRCA INTERNATIONAL INSTITUTE FOR LATH AND PLASTER 820 TRANSFER ROAD ST. PAUL, MN 55114-1406
- INSTALL ALL EQUIPMENT AND MATERIALS PER THE LATEST EDITION OF THE MANUFACTURER'S INSTALLATION SPECIFICATIONS UNLESS SPECIFICALLY OTHERWISE INDICATED, OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
- THE CONTRACTOR SHALL VERIFY, COORDINATE, AND PROVIDE ALL NECESSARY BLOCKING, BACKING, FRAMING, HANGERS OR OTHER SUPPORTS FOR ALL ITEMS REQUIRING THE SAME.
- THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL GIVE ALL NOTICES AND SHALL COMPLY WITH ALL APPLICABLE LOCAL CODES, REGULATIONS, LAWS AND ORDINANCES AS WELL AS STATE DEPARTMENT OF INDUSTRIAL REGULATIONS AND DIVISION OF INDUSTRIAL SAFETY (OSHA) REQUIREMENTS.
- THE CONTRACTOR SHALL PROTECT THE PROPERTY OWNERS, AND AT&T PROPERTY FROM DAMAGE WHICH MAY OCCUR DURING CONSTRUCTION. ANY DAMAGE TO NEW AND EXISTING FINISHES, CONSTRUCTION, STRUCTURE, LANDSCAPING, CURBS, STAIRS, OR EQUIPMENT, ETC. SHALL BE IMMEDIATELY REPAIRED OR REPLACED TO THE SATISFACTION OF AT&T, AND THE PROPERTY OWNER, OR THE OWNER'S REPRESENTATIVE, AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR, AND SHALL REPLACE OR REMEDY, ANY FAULTY, IMPROPER, OR INFERIOR MATERIALS OR WORKMANSHIP OR ANY DAMAGE WHICH SHALL APPEAR WITHIN ONE YEAR AFTER THE COMPLETION AND ACCEPTANCE OF THE WORK BY AT&T UNDER THIS CONTRACT.

GENERAL NOTES (CONT.)

- IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO LOCATE ALL EXISTING UTILITIES, OR CONTACT AN OUTSIDE AGENCY TO LOCATE ALL EXISTING UTILITIES. WHETHER SHOWN HERE IN OR NOT, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR ALL EXPENSES FOR REPAIR OR REPLACEMENT OF UTILITIES OR OTHER PROPERTY DAMAGE IN CONJUNCTION WITH THE EXECUTION OF WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE SECURITY OF THE PROJECT SITE WHILE THE JOB IS IN PROGRESS AND UNTIL THE JOB IS COMPLETED AND ACCEPTED BY AT&T.
- THE CONTRACTOR SHALL PROVIDE TEMPORARY WATER, POWER AND TOILET FACILITIES AS REQUIRED BY THE PROPERTY OWNER, AT&T AND THE CITY OR GOVERNING AGENCY.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REDLINING THE CONSTRUCTION DOCUMENTS TO ILLUSTRATE THE AS-BUILT CONDITION OF THE SITE. THIS SHALL BE DONE AFTER THE SITE HAS BEEN AWARDED FINAL INSPECTION BY THE RESPONSIBLE BUILDING AGENCY. ONE SET OF REDLINED DRAWINGS SHALL BE PROVIDED TO THE AT&T CONSTRUCTION MANAGER.
- THE LATEST EDITION OF ALL PERMITTED AND APPROVED PLANS PERTAINING TO THIS PROJECT SHALL BE KEPT IN A PLAN BOX AND NOT BE USED BY WORKERS. ALL CONSTRUCTION SETS SHALL REFLECT THE SAME INFORMATION. THE CONTRACTOR SHALL ALSO MAINTAIN IN GOOD CONDITION, ONE COMPLETE SET OF PLANS WITH ALL REVISIONS, ADDENDA AND CHANGE ORDERS ON THE PREMISES AT ALL TIMES. THESE ARE TO BE UNDER THE CARE OF THE JOB SUPERINTENDENT.
- THE CONTRACTOR SHALL REMOVE ALL RUBBISH AND WASTE MATERIALS ON A DAILY BASIS, EXCEPT FOR THAT SPECIFIED AS REMAINING THE PROPERTY OF THE BUILDING OR PROPERTY OWNER AND SHALL EXERCISE STRICT CONTROL OVER JOB CLEANING THROUGHOUT CONSTRUCTION, INCLUDING FINAL CLEAN-UP UPON COMPLETION OF WORK. ALL AREAS ARE TO BE LEFT IN A BROOM CLEAN CONDITION AT THE END OF EACH DAY AND VACUUM CLEAN CONDITION, FREE FROM PAINT, SPOTS, DUST OR SMUDGES OF ANY NATURE TO COMPLETION OF WORK.
- THE GENERAL CONTRACTOR MUST PERFORM WORK DURING PROPERTY OWNER'S PREFERRED HOURS TO AVOID DISRUPTION OF NORMAL ACTIVITY.
- ALL EXPOSED METAL SHALL BE HOT-DIPPED GALVANIZED.
- SEAL ALL PENETRATIONS THROUGH FIRE-RATED AREAS WITH U.L. LISTED OR FIRE MARSHALL APPROVED MATERIALS IF AND WHERE APPLICABLE TO THIS FACILITY AND PROJECT SITE.
- PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A OR 2-A10BC WITHIN 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF THE PROJECT AREA CONSTRUCTION.
- ELECTRICAL AND POWER SYSTEM SHALL BE GROUNDED PER NEC ARTICLES 250 AND 810.
- ALL NEW OPENINGS IN THE EXTERIOR ENVELOPE OF CONDITIONED SPACES SUCH AS AT WALL AND ROOF PENETRATIONS SHALL BE CAULKED OR SEALED TO LIMIT INFILTRATION OF AIR AND MOISTURE.
- UPON COMPLETION OF CONSTRUCTION, AT&T CONSTRUCTION MANAGER SHALL CONDUCT A WALK-THRU WITH PROPERTY OWNER OR REPRESENTATIVE OF PROPERTY OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL SYSTEM EQUIPMENT IN A CLEAN WORKING ORDER UNTIL ACCEPTANCE OF THE PROJECT BY AT&T
- INSTALL ALL EQUIPMENT AND MATERIALS PER THE LATEST EDITION OF THE MANUFACTURER'S INSTALLATION SPECIFICATIONS UNLESS SPECIFICALLY OTHERWISE INDICATED, OR WHERE LOCAL CODES OR REGULATION TAKE PRECEDENCE.

STRUCTURAL NOTES

- DESIGN CRITERIA:
DESIGN CODE: 2022 CALIFORNIA BUILDING CODE (CBC)

S _s = 1.182	SDC	= D
S ₁ = 0.426	WIND SPEED	= 95 M.P.H.
S _{0S} = 0.946	WIND EXPOSURE	= C
	RISK CATEGORY	= II
- ALL MATERIALS AND WORK PERFORMED SHALL CONFORM WITH THE REQUIREMENTS OF THE CODE AND GOVERNING BUILDING ORDINANCES.
- NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES.
- WHERE A SECTION OR TYPICAL DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL LIKE OR SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
- NO CHANGES ARE TO BE MADE TO THESE PLANS WITHOUT THE KNOWLEDGE AND WRITTEN CONSENT OF THIS ENGINEER. UNAUTHORIZED CHANGES RENDER THESE DRAWINGS VOID.
- 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 OF LABOR SPECIFIED.
- THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES INCLUDING, BUT NOT LIMITED TO, BRACING AND SHORING. OBSERVATION VISITS TO THE SITE BY FIELD REPRESENTATIVES OF THE ARCHITECT SHALL NOT INCLUDE INSPECTIONS OF THE PROTECTIVE MEASURES OR THE CONSTRUCTION PROCEDURES.
- GENERAL CONTRACTOR SHALL VISIT THE JOB SITE AND VERIFY ALL GRADES, DIMENSIONS, AND CONDITIONS PRIOR TO BIDDING AND COMMENCING CONSTRUCTION. ALL DIMENSIONS CONTROLLED BY EXISTING CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE.
- 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.
- GENERAL CONTRACTOR SHALL NOTIFY THE ENGINEER AND ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES FOUND WITHIN THE CONTRACT DOCUMENTS, PRIOR TO STARTING WORK.

SITE DEVELOPMENT NOTES

- THE ARCHITECT/ENGINEER AND REPRESENTATIVES OF THE LESSEE AND OWNER, MUST BE NOTIFIED AT LEAST TWO FULL DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 - DO NOT EXCAVATE OR DISTURB SOILS BEYOND THE PROPERTY LINES OR LEASE LINES, UNLESS SPECIFICALLY INSTRUCTED, IN WRITING, BY THE ARCHITECT/ENGINEER AND LESSEE.
 - DO NOT SCALE BUILDING DIMENSIONS FROM DRAWINGS.
 - ANY DRAIN AND/OR FIELD TILE ENCOUNTERED DURING CONSTRUCTION SHALL BE RETURNED TO ITS ORIGINAL CONDITION PRIOR TO COMPLETION OF WORK. SIZE, LOCATION AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLACED ON AS-CONSTRUCTED DRAWINGS BY GENERAL CONTRACTOR AND ISSUED TO ARCHITECT/ENGINEER AT COMPLETION OF PROJECT.
 - ALL EXISTING UTILITIES, FACILITIES, CONDITIONS, AND THEIR DIMENSIONS SHOWN ON PLANS HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THE ARCHITECT/ENGINEER, LESSEE, AND OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTOR SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES.
 - CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES BOTH HORIZONTALLY AND VERTICALLY PRIOR TO START OF CONSTRUCTION. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHOULD BE IMMEDIATELY REPORTED TO THE ARCHITECT/ENGINEER FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT/ENGINEER. FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS/HER OWN RISK AND EXPENSE. CONTRACTOR SHALL CALL LOCAL DIGGER HOT LINE FOR UTILITY LOCATIONS 48 HOURS PRIOR TO START OF CONSTRUCTION.
 - ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS TO BE DISTURBED BY CONSTRUCTION SHALL BE ADJUSTED TO FINISH ELEVATIONS PRIOR TO FINAL INSPECTION OF WORK.
 - THE BUILDING DEPARTMENT ISSUING THE BUILDING PERMIT SHALL BE NOTIFIED AT LEAST TWO WORKING DAYS PRIOR TO THE COMMENCEMENT OF WORK OR AS STIPULATED BY THE CODE ENFORCEMENT OFFICIAL HAVING JURISDICTION.
 - GRADING OF THE SITE WORK AREA IS TO BE SMOOTH AND CONTINUOUS IN SLOPE AND IS TO FEATHER INTO EXISTING GRADES AT THE GRADING LIMITS.
 - ALL TEMPORARY EXCAVATIONS FOR THE INSTALLATION OF FOUNDATIONS, UTILITIES, ETC., SHALL BE PROPERLY LAID BACK OR BRACED IN ACCORDANCE WITH CORRECT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.
 - STRUCTURAL FILLS SUPPORTING PAVEMENTS SHALL BE COMPACTED TO 100% OF MAXIMUM STANDARD PROCTOR DRY DENSITY.
 - NEW GRADES NOT IN BUILDING AND DRIVEWAY IMPROVEMENT AREA TO BE ACHIEVED BY FILLING WITH APPROVED CLEAN FILL AND COMPACTED TO 95% OF STANDARD PROCTOR DENSITY.
 - ALL FILL SHALL BE PLACED IN UNIFORM LIFTS. EACH LIFT'S THICKNESS SHOULD NOT EXCEED THAT WHICH CAN BE PROPERLY COMPACTED THROUGHOUT ITS ENTIRE DEPTH WITH THE EQUIPMENT AVAILABLE.
 - ANY FILLS PLACED ON EXISTING SLOPES THAT ARE STEEPER THAN 10 HORIZONTAL TO 1 VERTICAL SHALL BE PROPERLY BENCHED INTO THE EXISTING SLOPE AS DIRECTED BY A GEOTECHNICAL ENGINEER.
 - THE GRADES WITHIN FENCED AREAS ARE TO BE ACHIEVED BY COMPACTING CLEAN FILL TO A DENSITY OF 90% OF STANDARD PROCTOR COVERING THE AREA WITH TWO (2) LAYERS OF SIX (6) MIL VISQUEEN (12" MIN. OVERLAP AT ALL SEAMS) FOR WEED SUPPRESSION, THEN ACHIEVING FINISH GRADE BY ADDING 6" OF ¾" CRUSHED STONE, NO FINES.
 - CONTRACTOR SHALL CLEAN ENTIRE SITE AFTER CONSTRUCTION SUCH THAT NO PAPERS, TRASH, WEEDS, BRUSH OR ANY OTHER DEPOSITS WILL REMAIN. ALL MATERIALS COLLECTED DURING CLEANING OPERATIONS SHALL BE DISPOSED OF OFF-SITE BY THE GENERAL CONTRACTOR.
 - ALL TREES AND SHRUBS WHICH ARE NOT IN DIRECT CONFLICT WITH THE IMPROVEMENTS SHALL BE TRIMMED AS REQUIRED AND PROTECTED IN PLACE BY THE GENERAL CONTRACTOR.
 - DRIVEWAY CONSTRUCTION, GRADING AND DRAINAGE WORK SHALL CONFORM TO CALIFORNIA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITIONS, AND ALL APPLICABLE PROVISIONS OF LOCAL COUNTY ORDINANCES.
 - IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO OBTAIN, READ, AND FOLLOW THE GEO-TECHNICAL REPORT FOR EACH PROJECT SITE. ALL PROVISIONS WITHIN SAID REPORT SHALL BE ACCOMMODATED BY THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS. CONTINUOUS ONSITE SUPERVISION BY THE GEO-TECHNICAL/SOILS ENGINEER SHALL BE ARRANGED FOR BY THE CONTRACTOR PRIOR TO THE START OF ANY EXCAVATION AND/OR GRADING OPERATIONS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE GEO-TECHNICAL/SOILS ENGINEER PRIOR TO THE START OF CONSTRUCTION. OBTAIN WRITTEN APPROVAL FROM THE SUPERVISING GEO-TECHNICAL ENGINEER PRIOR TO PROCEEDING WITH PLACEMENT OF ANY FORMS AND/OR MATERIALS. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROVIDE AND INSTALL ALL REQUIRED SIGNS FOR THIS PROJECT. THE CONTRACTOR SHALL OBTAIN WRITTEN INSTRUCTIONS FROM THE IMPLEMENTATION ENGINEER AS TO THE EXACT MATERIAL, SIZE, WORDING, AND LOCATION FOR ALL SIGNS.
- SIGNS THAT MAY BE REQUIRED INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
- 7x24 ACCESS SIGN.
 - SITE ENTRY SIGN.
 - ANTENNA STRUCTURE COMPLIANCE SIGN.
 - NEPA RF EXPOSURE SIGN(S).
 - ANY ADDITIONAL SIGNS AS REQUIRED BY AT&T AND/OR GOVERNMENTAL AGENCIES.

<p>ARCHITECTURE ENGINEERING CONSULTING 38 EXECUTIVE PARK SUITE 240 IRVINE CA 92614</p>	<p>CX00021 SMWD DHQ ROOFTOP (FORMALLY LAD233 FA#10086989) PACE#: MRLOS096185 FA#: 15791117 USID#: TBD 26111 ANTONIO PARKWAY RANCHO SANTA MARGARITA, CA 92688</p>	<p>1452 EDINGER AVENUE, 3RD FLOOR TUSTIN, CA 92780</p>	<table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>REVISIONS</th> <th>BY</th> <th>CHK</th> <th>APP'D</th> </tr> <tr> <td>1</td> <td>04/09/26</td> <td>MINOR PLAN CHECK COMMENTS</td> <td>RF</td> <td>BOK</td> <td>DKD</td> </tr> <tr> <td>0</td> <td>11/14/25</td> <td>ADDRESS PLAN CHECK COMMENTS</td> <td>RF</td> <td>BOK</td> <td>DKD</td> </tr> <tr> <td>A</td> <td>09/19/25</td> <td>ISSUED FOR CD REVIEW AND COMMENTS</td> <td>RF</td> <td>BOK</td> <td>DKD</td> </tr> </table>				NO.	DATE	REVISIONS	BY	CHK	APP'D	1	04/09/26	MINOR PLAN CHECK COMMENTS	RF	BOK	DKD	0	11/14/25	ADDRESS PLAN CHECK COMMENTS	RF	BOK	DKD	A	09/19/25	ISSUED FOR CD REVIEW AND COMMENTS	RF	BOK	DKD		<p>GENERAL NOTES, CONSTRUCTION NOTES, LEGENDS & ABBREVIATIONS</p> <table border="1"> <tr> <th>JOB NO</th> <th>DRAWING NUMBER</th> <th>REV.</th> </tr> <tr> <td></td> <td>CX00021-GN01</td> <td>1</td> </tr> </table>	JOB NO	DRAWING NUMBER	REV.		CX00021-GN01	1
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FIBER REINFORCED PLASTIC (FRP) PULTRUDED FLAT SHEETS SHALL BE PROVIDED BY FIBERGRATE OR APPROVED EQUAL, SHALL CONFORM TO THE ASTM DESIGNATION D-638, D-695, D-4475, D-4476, AND SHALL COMPLY WITH THE FOLLOWING MECHANICAL PROPERTIES (LENGTHWISE):

ELASTICITY MODULUS	=	2.54X10 ⁶ PSI
SHEAR STRENGTH	=	930 PSI
FLEXURAL STRENGTH	=	6685 PSI
TENSILE STRENGTH	=	5350 PSI
1/2" BOLT SHEAR	=	780 LB
1/2" BOLT TENSION	=	300 LB

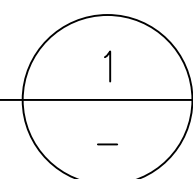
ALL MATERIAL SHALL BE CLASS I FIRE RATED WITH FLAME SPREAD OF 25 MAXIMUM TESTED IN ACCORDANCE WITH ASTM/E84. THE USE OF ANTIMONY OXIDE IS NOT PERMITTED.

FIBER REINFORCED PLASTIC (FRP) BOLTS, THREADED RODS, AND RELATED NUTS AND WASHERS SHALL BE PROVIDED BY FIBERGRATE OR APPROVED EQUAL

FRP PANEL ATTACHMENT PER MANUFACTURER'S REQUIREMENT OR FOLLOW LARR 25536 (FIBERGRATE)

FIBER REINFORCED PLASTIC (FRP) - FIBERGRATE

DETAIL



NOTES:

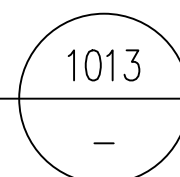
- ALL STEEL WORK SHALL BE PAINTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND IN ACCORDANCE WITH ASTM A36 UNLESS OTHERWISE NOTED.
- ALL WELDING SHALL BE PERFORMED USING E70XX ELECTRODES AND WELDING SHALL CONFORM TO AISC. WHERE FILLET WELD SIZES ARE NOT SHOWN, PROVIDE THE MINIMUM SIZE PER TABLE J2.4 IN THE AISC "MANUAL OF STEEL CONSTRUCTION". PAINTED SURFACES SHALL BE TOUCHED UP.
- BOLTED CONNECTIONS SHALL BE ASTM A307 BEARING TYPE (3/4") CONNECTIONS AND SHALL HAVE MINIMUM OF TWO BOLTS UNLESS NOTED OTHERWISE.
- NON-STRUCTURAL CONNECTIONS FOR STEEL GRATING MAY USE 5/8" DIA. ASTM A 307 BOLTS UNLESS NOTED OTHERWISE.
- POST INSTALLED ANCHORS SHALL BE PROVIDED IN ACCORDANCE WITH SPECIFICATION 3GS-T18-00013 "SELECTION, DESIGN, INSTALLATION, INSPECTION AND TESTING OF ADHESIVE AND MECHANICAL EXPANSION ANCHORS FOR WIRELESS SITE FACILITIES". ANCHORS SHALL BE HILTI OR APPROVED EQUAL, INSTALLED, INSPECTED AND TESTED AS SHOWN ON THE DESIGN DRAWINGS AND ICC REPORT. NO REINFORCING STEEL SHALL BE CUT WITHOUT PRIOR ENGINEERING APPROVAL.
- 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.
- STRUCTURAL STEEL SHOP DRAWINGS SHALL BE REVIEWED BY THE A/E PRIOR TO FABRICATION
- MATERIAL SPECIFICATIONS:
W SHAPES: ASTM A992 GRADE 50
C, M, ANGLE, BARS, AND PLATES: ASTM A36
TUBE STEEL: ASTM A500, GRADE B
PIPE COLUMNS: ASTM A53, GRADE B
- SPECIAL INSPECTION OF THE FABRICATION, WELDING, AND IMPLEMENTATION PROCEDURES SHALL BE PERFORMED IN ACCORDANCE WITH AISC AND CBC
- WELDING SHALL BE PERFORMED BY AWS CERTIFIED WELDERS. WELDERS SHALL HAVE LIGHT GAUGE STEEL CERTIFICATION WHEN WELDING LIGHT GAUGE STEEL.
- ALL EXPOSED WELDS SHALL BE FILLED AND GROUND SMOOTH WHERE METAL COULD COME IN CONTACT WITH THE PUBLIC.
- ALL SHOP AND FIELD BOLTED CONNECTIONS SHALL BE IN ACCORDANCE WITH ASTM A-307 USING UNFINISHED AMERICAN STANDARD REGULAR BOLTS, UNLESS OTHERWISE NOTED.
- 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 THE A/E.
- ALL EXPOSED STEEL SHALL BE HOT-DIPPED GALVANIZED.

NOTES:

- THE SUBCONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
- 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 CONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE SUBCONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. SUBCONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING & EXCAVATION.
- ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWINGS AND PROJECT SPECIFICATIONS.
- IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
- ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR, OWNER AND/OR LOCAL UTILITIES.
- SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION.
- THE SUBCONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE AT&T MOBILITY SPECIFICATION FOR SITE SIGNAGE.
- THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE BTS EQUIPMENT AND TOWER AREAS.
- NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
- THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
- THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION.
- SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL JURISDICTION'S GUIDELINES FOR EROSION AND SEDIMENT CONTROL.

SITE WORK GENERAL NOTES

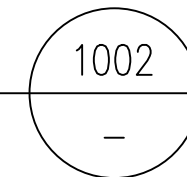
DETAIL



- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, **ACI 318-14**, ACI 336, ASTM A184, ASTM A185 AND THE DESIGN AND CONSTRUCTION SPECIFICATION FOR CAST-IN-PLACE CONCRETE.
- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,500 PSI AT 28 DAYS, UNLESS NOTED OTHERWISE. **(TYPE II CEMENT)**
- REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPLICES SHALL BE CLASS "B" AND ALL HOOKS SHALL BE STANDARD, UNO.
- THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:
CONCRETE CAST AGAINST EARTH.....3 IN.
CONCRETE EXPOSED TO EARTH OR WEATHER:
#6 AND LARGER.....2 IN.
#5 AND SMALLER & WWF.....1 1/2 IN.
CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR NOT CAST AGAINST THE GROUND:
SLAB AND WALL.....3/4 IN.
COLUMNS.....1/2 IN. BEAMS AND
- A CHAMFER 3/4" SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNO, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.
- POST INSTALLED ANCHORS SHALL BE PROVIDED IN ACCORDANCE WITH SPECIFICATION 3GS-T18-00013 "SELECTION, DESIGN, INSTALLATION, INSPECTION AND TESTING OF ADHESIVE AND MECHANICAL EXPANSION ANCHORS FOR WIRELESS SITE FACILITIES". ANCHORS SHALL BE HILTI OR APPROVED EQUAL, INSTALLED, INSPECTED AND TESTED AS SHOWN ON THE DESIGN DRAWINGS. NO REINFORCING STEEL SHALL BE CUT WITHOUT PRIOR ENGINEERING APPROVAL. CONCRETE CYLINDER TEST IS NOT REQUIRED FOR SLAB ON GRADE WHEN CONCRETE IS LESS THAN 50 CUBIC YARDS (IBC 1905.6.2) IN THAT EVENT THE FOLLOWING RECORDS SHALL BE PROVIDED BY THE CONCRETE SUPPLIER;
A. RESULTS OF CONCRETE CYLINDER TESTS PERFORMED AT THE SUPPLIER'S PLANT,
B. CERTIFICATION OF MINIMUM COMPRESSIVE STRENGTH FOR THE CONCRETE GRADE SUPPLIED. FOR GREATER THAN 50 CUBIC YARDS THE GC SHALL PERFORM THE CONCRETE CYLINDER TEST, TAKING THREE CYLINDERS FROM EACH TRUCK.
- WATER TO CEMENT RATIO IS 0.45**

CONCRETE AND REINFORCING STEEL NOTES

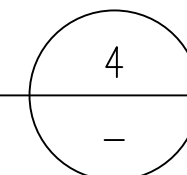
DETAIL



- ALL MASONRY MATERIALS AND CONSTRUCTION SHALL CONFORM TO CHAPTER 21 OF THE CODE AND TO ALL REQUIREMENTS OF "SPECIFICATIONS FOR MASONRY STRUCTURES" (TMS 602-16) PUBLISHED BY THE AMERICAN CONCRETE INSTITUTE.
- CONCRETE MASONRY UNITS FOR HOLLOW UNIT MASONRY CONSTRUCTION SHALL BE CONFORMING WITH ASTM C-90. SEE ARCHITECTURAL FOR TYPE (FINISH), PATTERN, AND JOINT DETAILS. PROVIDE RUNNING BOND UON CONCRETE MASONRY UNITS SHALL HAVE AN ULTIMATE COMPRESSIVE STRENGTH = 1,500 PSI.
- MORTAR SHALL BE FRESHLY PREPARED AND UNIFORMLY MIXED. MORTAR SHALL BE TYPE "M" OF "S" WITH A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 1,500 PSI AT 28 DAYS.
- GROUT SHALL BE PROPORTIONED BY VOLUME AND SHALL HAVE SUFFICIENT WATER ADDED TO PRODUCE CONSISTENCY FOR POURING WITHOUT SEGREGATION. GROUT SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH (F'c) OF 2,000 PSI AT 28 DAYS. PROVIDE CLEAN OUT OPENINGS WHERE GROUT LIFT EXCEEDS 4'-0".
- GROUT ALL CELLS, UNLESS OTHERWISE NOTED.
- ALL REINFORCING STEEL SHALL BE SECURED IN POSITION PRIOR TO GROUTING.
- PROVIDE CONTROL JOINTS AT 48'-0" O.C. MAX.

MASONRY, GROUT & MORTAR NOTES

DETAIL

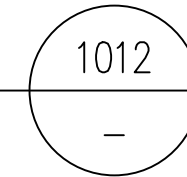


NOTES:

- ALL RACEWAY SHALL COMPLY WITH THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC, NFPA 70), CHAPTER 8.
- ALL SPECIFIED MATERIAL FOR EACH LOCATION (E.G., OUTDOORS, INDOORS-OCCUPIED, INDOORS-UNOCCUPIED, PLENUMS, RISER SHAFTS, ETC.) SHALL BE APPROVED, LISTED, OR LABELED AS REQUIRED BY THE NEC.
- METALLIC CONDUIT OR TUBING FOR T1 LINES SHALL BE BONDED TO GROUND AT BOTH ENDS. THE OWNER WILL PERFORM TESTING AND ACCEPTANCE OF T1 LINES.

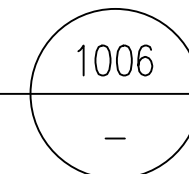
ERICSSON TRANSPORT NOTES

DETAIL



GENERAL NOTES

DETAIL

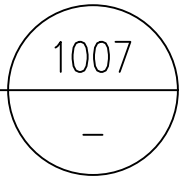


NOTES:

- FIELD VERIFICATION: SUBCONTRACTOR SHALL FIELD VERIFY SCOPE OF WORK, AT&T ANTENNA PLATFORM LOCATION AND ANTENNAS TO BE REPLACED.
- COORDINATION OF WORK: SUBCONTRACTOR SHALL COORDINATE RF WORK AND PROCEDURES WITH CONTRACTOR.
- CABLE LADDER RACK: SUBCONTRACTOR SHALL FURNISH AND INSTALL CABLE LADDER RACK, CABLE TRAY, AND CONDUIT AS REQUIRED TO SUPPORT CABLES TO THE NEW BTS LOCATION.

CONSTRUCTION NOTES

DETAIL

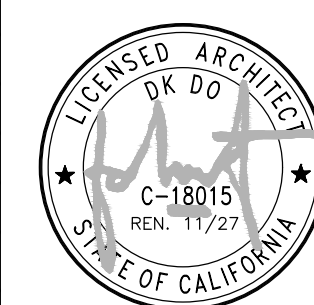


ARCHITECTURE | ENGINEERING | CONSULTING
38 EXECUTIVE PARK | SUITE 240
IRVINE | CA 92614

CX00021
SMWD DHQ ROOFTOP
(FORMALLY LAD233 FA#10086989)
PACE#: MRLOS096185 | FA#: 15791117 | USID#: TBD
26111 ANTONIO PARKWAY
RANCHO SANTA MARGARITA, CA 92688



NO.	DATE	REVISIONS	BY	CHK	APP'D
1	04/09/26	MINOR PLAN CHECK COMMENTS	RF	BOK	DKD
0	11/14/25	ADDRESS PLAN CHECK COMMENTS	RF	BOK	DKD
A	09/19/25	ISSUED FOR CD REVIEW AND COMMENTS	RF	BOK	DKD
SCALE AS SHOWN DESIGNED DRAWN					



CONSTRUCTION NOTES

JOB NO	DRAWING NUMBER	REV.
	CX00021-GN02	1

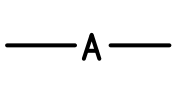
ABBREVIATIONS AND LEGENDS

- A AMP(S)
- AF AMP FUSE
- AFF ABOVE FINISHED FLOOR
- AIC "AMPERES INTERRUPTING CAPACITY"
- AS AMP SWITCH
- ASCC AVAILABLE SHORT CIRCUIT CURRENT
- C. "CONDUIT", WITH CONDUCTORS AS REQUIRED BY DRAWINGS OR SPECIFICATIONS.
- C.O. "CONDUIT ONLY". PROVIDE PULL ROPE FOR ALL EMPTY CONDUIT AS REQUIRED.
- ELEV ELEVATION
- EMT ELECTRICAL METALLIC TUBING CONDUIT
- KW "KILOWATT"
- KVA "KILOVOLT AMPERES"
- MCC MOTOR CONTROL CENTER
- O.C. "ON CENTER"
- P POLE
- PNL PANEL
- RGS RIGID GALVANIZED STEEL CONDUIT
- T TRANSFORMER
- UNO UNLESS NOTED OTHERWISE
- V "VOLTS"
- W WIRE
- WP WEATHERPROOF, NEMA 3R
- ∅ PHASE OR DIAMETER

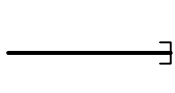
 ELECTRICAL EQUIPMENT SHOWN DASHED IS EXISTING.

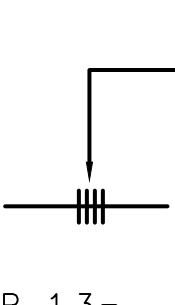
 TELEPHONE CONDUIT WITH PULL LINE IN PLACE.

 ELECTRICAL CONDUIT WITH PULL LINE IN PLACE.

 COAXIAL CABLE/WAVEGUIDE CONDUIT WITH PULL LINE(S) IN PLACE.

 #2 AWG, BARE, TINNED, SOLID, COPPER WIRE (UNLESS OTHERWISE SPECIFIED).

 CONDUIT STUBBED OUT AND CAPPED, WITH PULL LINE IN PLACE.

 CROSS LINES ON CONDUIT RUNS INDICATE NUMBER OF #12 CURRENT CARRYING CONDUCTORS CONTAINED THEREIN. TWO #12 AND ONE #12 GROUND WIRE ARE INDICATED WHEN CROSS LINES ARE NOT SHOWN. NUMERALS ADJACENT TO CROSS LINES ON CONDUIT RUNS INDICATE SIZE OF CONDUCTORS IN LIEU OF #12. ALL CONDUITS SHALL CONTAIN ONE GROUND WIRE SIZED PER C.E.C. TABLE 250-95, BUT NOT SMALLER THAN #12.

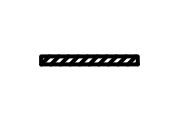
 CONDUIT HOME RUN TO PANELBOARD. LETTER AND NUMERALS INDICATE ELECTRICAL PANEL AND CIRCUIT NUMBER.

 ISOLATED GROUND WIRE. RUN IN ADDITION TO REGULAR GROUND WIRE.

 RECESSED COMMUNICATION TERMINAL CABINET.


 SURFACE MOUNTED COMMUNICATION TERMINAL CABINET.


 JUNCTION BOX PEDESTAL TYPE FLOOR MOUNTED.

 TELEPHONE TERMINAL BACKBOARD "TBT". 3/4 INCH SANDED AND PAINTED CDX PLYWOOD, 4' X 8' UNLESS NOTED OTHERWISE.

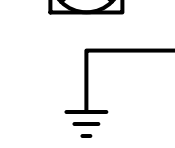
 GROUND FAULT PROTECTION DEVICE.

 MECHANICAL CONNECTION.

 EXOTHERMIC/CADWELD CONNECTION.

 5/8" ∅ x 10'-0" COPPER, OR COPPER CLAD STEEL GROUND ROD AT 10'-0" O.C. (MAX)

 GROUND ROD INSPECTION WELL

 CONNECTION TO GROUND, MINIMUM TWO (2) OF THE FOLLOWING: EARTH, BUILDING, COLD WATER PIPING. VERIFY CONTINUITY FOR ALL GROUND SOURCES WITH A TOTAL RESISTANCE OF < 5 OHMS.

 MANUAL TRANSFER SWITCH (MTS) OR DISCONNECT.

 THERMAL OVERLOAD MOTOR STARTER SWITCH.

ELECTRICAL NOTES

1. THE SEISMIC BRACING AND ANCHORAGE OF ELECTRICAL CONDUITS AND WIRE WAY SHALL BE IN ACCORDANCE WITH THE 2022 CALIFORNIA BUILDING CODE AND THE ASCE/SEI 7-16.
2. ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL BE LISTED BY UNDERWRITER'S LABORATORIES (UL) AND BEAR THEIR LABEL, OR LISTED AND CERTIFIED BY A NATIONALLY RECOGNIZED TESTING AUTHORITY WHERE UL DOES NOT HAVE A LISTING. CUSTOM MADE EQUIPMENT SHALL HAVE COMPLETE TEST DATA SUBMITTED BY THE MANUFACTURER ATTESTING TO ITS SAFETY. IN ADDITION, THE MATERIALS, EQUIPMENT, AND INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE FOLLOWING: AMERICAN SOCIETY OF TESTING MATERIALS (ASTM) INSULATED POWER CABLE ENGINEERS ASSOCIATION (IPCEA) NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA) AMERICAN STANDARD ASSOCIATION (ASA) FIRE PROTECTION AGENCY (NFPA) AMERICAN NATIONAL STANDARD INSTITUTE (ANSI) CALIFORNIA ELECTRICAL CODE (CEC) - LATEST EDITION CALIFORNIA CODE OF REGULATIONS TITLE 24 (CCR) INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE) ALL LOCAL CODES AND ORDINANCES OF AGENCIES HAVING JURISDICTION. WHERE THE CODES HAVE DIFFERENT LEVELS OF REQUIREMENTS, THE MOST STRINGENT RULE SHALL APPLY.
3. THE CONTRACTOR SHALL VISIT THE SITE INCLUDING ALL AREAS INDICATED ON THE DRAWINGS. HE SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS AND BY SUBMITTING A BID, ACCEPTS THE CONDITIONS UNDER WHICH HE SHALL BE REQUIRED TO PERFORM HIS WORK.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COMPLETE SET OF CONTRACT DOCUMENTS, ADDENDA, DRAWINGS AND SPECIFICATIONS. HE SHALL CHECK THE DRAWINGS OF THE OTHER TRADES AND SHALL CAREFULLY READ THE ENTIRE SPECIFICATIONS AND DETERMINE HIS RESPONSIBILITIES. FAILURE TO DO SO SHALL NOT RELEASE THE CONTRACTOR FROM DOING THE WORK IN COMPLETE ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS.
5. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, FEES, CHARGES, AND INCIDENTAL COSTS NECESSARY FOR EXECUTION AND COMPLETION OF ELECTRICAL WORK, INCLUDING ALL CHARGES BY STATE, COUNTY AND LOCAL GOVERNMENTAL AGENCIES.
6. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AT THE SITE. ANY COSTS TO INSTALL WORK TO ACCOMPLISH SAID COORDINATION WHICH DIFFERS FROM THE WORK AS SHOWN ON THE DRAWINGS SHALL BE INCURRED BY THE CONTRACTOR. ANY DISCREPANCIES, AMBIGUITIES OR CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT DURING BID TIME FOR CLARIFICATION. ANY SUCH CONFLICTS NOT CLARIFIED PRIOR TO BID SHALL BE SUBJECT TO THE INTERPRETATION OF THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
7. THE CONTRACTOR SHALL PROVIDE AND KEEP UP-TO-DATE A COMPLETE RECORD SET OF DRAWINGS. UPON COMPLETION OF THE WORK, A SET OF REPRODUCIBLE CONTRACT DRAWINGS SHALL BE OBTAINED FROM THE ARCHITECT, AND ALL CHANGES AS NOTED ON THE RECORD SET OF DRAWINGS SHALL BE INCORPORATED THEREON WITH BLACK INK IN A NEAT, LEGIBLE, UNDERSTANDABLE AND PROFESSIONAL MANNER. FAILURE TO KEEP RECORD DRAWINGS UP-TO-DATE SHALL CONSTITUTE CAUSE FOR WITHHOLDING OF PROGRESS PAYMENTS.
8. ALL INTERRUPTION OF ELECTRICAL POWER SHALL BE KEPT TO A MINIMUM. HOWEVER, WHEN AN INTERRUPTION IS NECESSARY, THE SHUTDOWN MUST BE COORDINATED WITH THE OWNER 14 DAYS PRIOR TO THE OUTAGE. ANY OVERTIME PAY SHALL BE INCLUDED IN THE CONTRACTOR'S BID. WORK IN EXISTING SWITCHBOARDS OR PANELBOARDS SHALL BE COORDINATED WITH THE OWNER PRIOR TO REMOVING ACCESS PANELS OR DOORS
9. SHOP DRAWINGS SHALL BE SUBMITTED FOR ITEMS INDICATED ON PLANS. SHOP DRAWINGS SHALL INCLUDE ALL DATA WITH CAPACITIES, SIZES, DIMENSIONS, CATALOG NUMBERS AND MANUFACTURER'S BROCHURES.
10. AFTER ALL REQUIREMENTS OF THE SPECIFICATIONS AND/OR THE DRAWINGS HAVE BEEN FULLY COMPLETED, REPRESENTATIVES OF THE OWNER WILL INSPECT THE WORK. THE CONTRACTOR SHALL PROVIDE COMPETENT PERSONNEL TO DEMONSTRATE THE OPERATION OF ANY ITEM OR SYSTEM TO THE FULL SATISFACTION. FINAL ACCEPTANCE OF THE WORK WILL BE MADE BY THE OWNER AFTER RECEIPT OF APPROVAL AND RECOMMENDATION OF ACCEPTANCE FROM EACH REPRESENTATIVE.
11. THE CONTRACTOR SHALL FURNISH A ONE YEAR WRITTEN GUARANTEE OF MATERIALS AND WORKMANSHIP FROM THE DATE OF SUBSTANTIAL COMPLETION.
12. ALL EQUIPMENT MOUNTED ON ROOF FOR CONNECTION TO PCS EQUIPMENT SHALL BE MOUNTED ON UNISTRUT STANDS UTILIZING APPROVED PITCH POCKETS, FLASHING, ETC.
13. ALL FINAL CONNECTIONS TO OWNER FURNISHED EQUIPMENT SHALL BE MADE BY THE CONTRACTOR.
14. COORDINATE WITH OTHER TRADES AS TO THE EXACT LOCATION OF THEIR RESPECTIVE EQUIPMENT. SUPPLY POWER AND MAKE CONNECTION TO EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS. REVIEW THE DRAWINGS OF OTHER TRADES AND LOCATION OF EQUIPMENT.
15. EXACT METHOD AND LOCATION OF CONDUIT PENETRATION AND OPENINGS IN CONCRETE WALLS OR FLOORS OR STRUCTURAL STEEL MEMBERS SHALL BE AS DIRECTED BY THE STRUCTURAL ENGINEER. PERFORM CORING, SAWCUTTING, PATCHING, AND REFINISHING OF EXISTING WALLS AND SURFACES WHEREVER IT IS NECESSARY TO PENETRATE. OPENINGS SHALL BE SEALED IN AN APPROVED METHOD TO MEET THE FIRE RATING OF THE PARTICULAR WALL, FLOOR OR CEILING. EXACT METHOD AND LOCATIONS OF CONDUIT PENETRATIONS AND OPENINGS IN CONCRETE WALLS OR FLOORS SHALL BE U.L. APPROVED. DO NOT CUT OR BREAK ANY EXISTING REINFORCING BARS IN EXISTING CONCRETE OR MASONRY. IF IN DOUBT REGARDING LOCATION OF REINFORCING, THEN CONTRACTOR, AT CONTRACTOR'S EXPENSE, SHALL UTILIZE X-RAY, ULTRA-SOUND, OR OTHER AVAILABLE TECHNOLOGY TO LOCATE EXISTING REINFORCEMENTS PRIOR TO DRILLING OR CORING OPERATIONS.
16. CONNECTIONS TO VIBRATING EQUIPMENT AND SEISMIC SEPARATIONS: LIQUID-TIGHT FLEXIBLE STEEL CONDUIT IN DRY INTERIOR LOCATIONS. LIQUID-TIGHT FLEXIBLE STEEL CONDUIT IN AREAS EXPOSED TO WEATHER, DAMP LOCATIONS, CONNECTIONS TO TRANSFORMER ENCLOSURES, AND FINAL CONNECTIONS TO MOTORS. PROVIDE A SEPARATE INSULATED EQUIPMENT GROUNDING CONDUCTOR IN FLEXIBLE CONDUIT RUNS. MAXIMUM LENGTH SHALL BE SIX FEET UNLESS OTHERWISE NOTED.
17. ROUTE EXPOSED CONDUIT AND CONDUIT ABOVE ACCESSIBLE CEILING SPACES PARALLEL AND PERPENDICULAR TO WALLS AND ADJACENT PIPING. ARRANGE CONDUIT TO MAINTAIN HEADROOM AND TO PRESENT A NEAT APPEARANCE.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAWCUTTING, TRENCHING, BACKFILLING, COMPACTION AND PATCHING OF CONCRETE AND ASPHALT AS REQUIRED TO PERFORM HIS WORK. ATTENTION IS CALLED TO THE FACT THAT THERE ARE EXISTING UNDERGROUND UTILITY LINES. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN TRENCHING FOR HIS WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER AND APPROVED REPAIR OF ANY AND ALL DAMAGES CAUSED BY HIM OR HIS WORK.
19. WHENEVER A DISCREPANCY IN QUANTITY OR SIZE OF CONDUIT, WIRE, EQUIPMENT DEVICES, CIRCUIT BREAKERS, GROUND FAULT PROTECTION SYSTEMS, ETC. (ALL MATERIALS), ARISES ON THE DRAWINGS OR SPECIFICATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL MATERIAL AND SERVICES REQUIRED BY THE STRICTEST CONDITIONS NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS TO ENSURE COMPLETE AND OPERABLE SYSTEMS AS REQUIRED BY THE OWNER AND ARCHITECT/ENGINEER.
20. UTILITY PENETRATIONS, OF ANY KIND, IN FIRE AND SMOKE PARTITIONS, NON-RATED CEILINGS, AND/OR NON-RATED WALLS, SHALL BE FIRESTOPPED AND SEALED WITH AN APPROVED MATERIAL SECURELY INSTALLED.
21. STRAIGHT FEEDER, BRANCH CIRCUIT, AND CONDUIT RUNS SHALL BE PROVIDED WITH SUFFICIENT PULL BOXES OR JUNCTION BOXES TO LIMIT THE MAXIMUM LENGTH OF ANY SINGLE CABLE PULL TO 100 FEET. PULL BOXES SHALL BE SIZED PER CODE OR AS INDICATED ON DRAWINGS. LOCATIONS SHALL BE DETERMINED IN THE FIELD OR AS INDICATED ON THE DRAWINGS.
22. MAXIMUM NUMBER OF CONDUCTORS IN OUTLET OR JUNCTION BOXES SHALL CONFORM TO THE CALIFORNIA ELECTRICAL CODE, ARTICLE 370-6.
23. IDENTIFICATION NAMEPLATES SHALL BE MICARTA 1/8 INCH THICK AND OF APPROVED SIZE WITH BEVELED EDGES AND ENGRAVED WHITE LETTERS A MINIMUM OF 1/4 INCH HIGH ON BLACK BACKGROUND. NAMEPLATES SHALL BE PROVIDED FOR ALL CIRCUITS IN THE SERVICE DISTRIBUTION AND POWER DISTRIBUTION SWITCHBOARDS OR PANELBOARDS, DISCONNECTING SWITCHES, TRANSFORMERS, TERMINAL CABINETS, TELEPHONE CABINETS, ETC. ALL NAMEPLATES SHALL BE ATTACHED WITH SCREWS. PULL BOXES, JUNCTION BOXES, AND DEVICE BOXES SHALL BE MARKED WITH A PERMANENT MARKER.
24. THE EXACT LOCATION OF ALL ELECTRICAL DEVICES AND EQUIPMENT SHALL BE COORDINATED WITH THE DETAILS, OR SECTIONS PRIOR TO INSTALLATION.
25. DRAWINGS ARE DIAGRAMMATIC ONLY. ROUTING OF CONDUITS, RACEWAYS, CABLE TRAYS, AND/OR LADDER RACKS SHALL BE AT THE DISCRETION OF THE CONTRACTOR UNLESS OTHERWISE NOTED AND SHALL BE COORDINATED WITH OTHER SECTIONS. DO NOT SCALE THE ELECTRICAL DRAWINGS FOR LOCATIONS OF ANY ELECTRICAL, ARCHITECTURAL, STRUCTURAL, CIVIL, OR MECHANICAL ITEMS OR FEATURES.
26. SPECIAL RECEPTACLE FOR CONNECTION TO PORTABLE EMERGENCY GENERATOR WHEN SPECIFIED SHALL BE 200 AMPERE, THREE-WIRE, THREE-POLE, REVERSE SERVICE, PIN AND SLEEVE TYPE WITH MOUNTING BOX. VERIFY TYPE OF EMERGENCY GENERATOR CONNECTION WITH CONSTRUCTION MANAGER.
27. RIGID GALVANIZED STEEL CONDUIT SHALL BE FULL WEIGHT THREADED TYPE. ELECTRICAL METALLIC TUBING (EMT) MAY BE USED IN WALLS OR CEILING SPACES WHERE NOT SUBJECT TO MECHANICAL DAMAGE. PVC SCHEDULE 40 MAY BE INSTALLED BENEATH SLAB OR BELOW GRADE. FLEXIBLE STEEL CONDUIT MAY BE USED AT OUTLET CONNECTIONS WITH NO RUNS LONGER THAN SIX FEET. AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE PROVIDED IN ALL CONDUITS.
28. RIGID GALVANIZED STEEL CONDUIT FITTINGS SHALL BE THREADED AND THOROUGHLY GALVANIZED. ELECTRICAL METALLIC TUBING (EMT) CONDUIT FITTINGS SHALL BE STEEL, RAIN-TIGHT THREADLESS COMPRESSION TYPE. DIE CAST, SET SCREW, OR INDENTER TYPES ARE NOT ACCEPTABLE. FLEXIBLE STEEL CONDUIT FITTINGS SHALL BE MALLEABLE IRON CLAMP, SQUEEZE TYPE OR STEEL TWIST-IN TYPE WITH INSULATED THROAT. SET SCREW TYPE IS NOT ACCEPTABLE.
29. ALL CONDUCTORS SHALL BE COPPER #10 AWG MINIMUM SIZE, TYPE THHN/THWN THERMOPLASTIC, 600 VOLT, 75 DEGREES CELSIUS WET AND 90 DEGREES CELSIUS DRY AND U.L. LISTED UNLESS NOTED OTHERWISE. CONDUCTORS #10 AWG AND SMALLER SHALL BE SOLID. CONDUCTORS #8 AWG AND LARGER SHALL BE STRANDED.
30. JUNCTION AND PULL BOXES: FOR INTERIOR DRY LOCATIONS, BOXES SHALL BE GALVANIZED ONE-PIECE, DRAWN STEEL, KNOCKOUT TYPE WITH REMOVABLE MACHINE SCREW SECURED COVERS. FOR OUTSIDE, DAMP, OR SURFACE LOCATIONS, BOXES SHALL BE HEAVY CAST ALUMINUM OR CAST IRON WITH REMOVABLE, GASKETED, NON-FERROUS MACHINE SCREW SECURED COVERS. BOXES SHALL BE SIZED FOR THE NUMBER AND SIZES OF CONDUCTORS AND CONDUIT ENTERING THE BOX AND EQUIPPED WITH PLASTER EXTENSION RINGS WHERE REQUIRED. BOXES SHALL BE LABELED TO INDICATE PANEL AND CIRCUIT NUMBER, OR TYPE OF SIGNAL OR COMMUNICATIONS SYSTEM.
31. ALL OUTDOOR ELECTRICAL DEVICES OR EQUIPMENT SHALL BE OF WEATHERPROOF TYPE.
32. ALL CONNECTIONS TO GROUND BUSES SHALL BE MADE W/CRIMP TYPE COMPRESSION CONNECTORS (2 HOLE LUGS). BUSS SHALL BE DRILLED TO ACCOMMODATE ALL CONNECTORS.

GROUNDING NOTES

1. ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL GROUNDING INSTALLATION REQUIREMENTS AND CONSTRUCTION SHALL BE PERFORMED ACCORDING TO SITE CONDITIONS.
2. ALL GROUNDING CONDUCTORS: #2 AWG, SOLID, BARE, TINNED, COPPER WIRE UNLESS OTHERWISE NOTED.
3. GROUND BAR LOCATED ON EXTERIOR AND INTERIOR OF SHELTER SHALL BE PROVIDED, FURNISHED, AND INSTALLED BY THE SHELTER MANUFACTURER.
4. ALL BELOW GRADE CONNECTIONS SHALL BE EXOTHERMIC/CADWELD TYPE; ABOVE GRADE CONNECTIONS SHALL BE EXOTHERMIC/CADWELD, OR MECHANICAL (USE PROPER/BEST TYPE FOR EACH CONDITION).
5. GROUND RING (WHERE OCCURS) SHALL BE LOCATED A MINIMUM OF 24" BELOW GRADE, OR 6"(MINIMUM) BELOW THE FROST LINE.
6. INSTALL GROUND CONDUCTORS, AND GROUND RODS, MINIMUM OF 2'-0" FROM SHELTER CONCRETE SLAB, SPREAD FOOTING, OR FENCE.
7. ALL EXTERIOR AND/OR BELOW GRADE EXOTHERMIC/CADWELD GROUND CONNECTION SHALL BE TREATED WITH GALVANIZING COLD SPRAY.
8. ALL GROUNDING CONNECTIONS REQUIRED TO COMPLETE THIS PROJECT, WHETHER SHOWN HEREON OR NOT, SHALL BE MADE BY ELECTRICAL CONTRACTOR ACCORDING TO BEST FIELD PRACTICE AND COMPLY WITH ALL NEC REQUIREMENTS AND RECOMMENDATIONS FOR LIFE SAFETY.
9. OBSERVE N.E.C. AND LOCAL UTILITY REQUIREMENTS FOR ELECTRICAL SERVICE GROUNDING.
10. GROUNDING ATTACHMENT TO TOWER SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS, OR AT GROUNDING POINTS PROVIDED (2 MINIMUM).
11. GROUND RESISTANCE TEST TO BE PERFORMED AND SHALL BE NO MORE THAN 25 OHMS OR AS REQUIRED BY THE CARRIER.

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AIEC WORKS

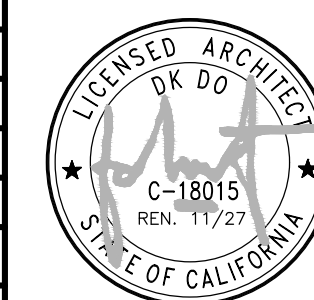
ARCHITECTURE | ENGINEERING | CONSULTING
38 EXECUTIVE PARK | SUITE 240
IRVINE | CA 92614

CXLO021
SMWD DHQ ROOFTOP
(FORMALLY LAD233 FA#10086989)
PACE#: MRLOS096185 | FA#: 15791117 | USID#: TBD
26111 ANTONIO PARKWAY
RANCHO SANTA MARGARITA, CA 92688



NO.	DATE	REVISIONS	BY	CHK	APP'D
1	04/09/26	MINOR PLAN CHECK COMMENTS	RF	BOK	DKD
0	11/14/25	ADDRESS PLAN CHECK COMMENTS	RF	BOK	DKD
A	09/19/25	ISSUED FOR CD REVIEW AND COMMENTS	RF	BOK	DKD

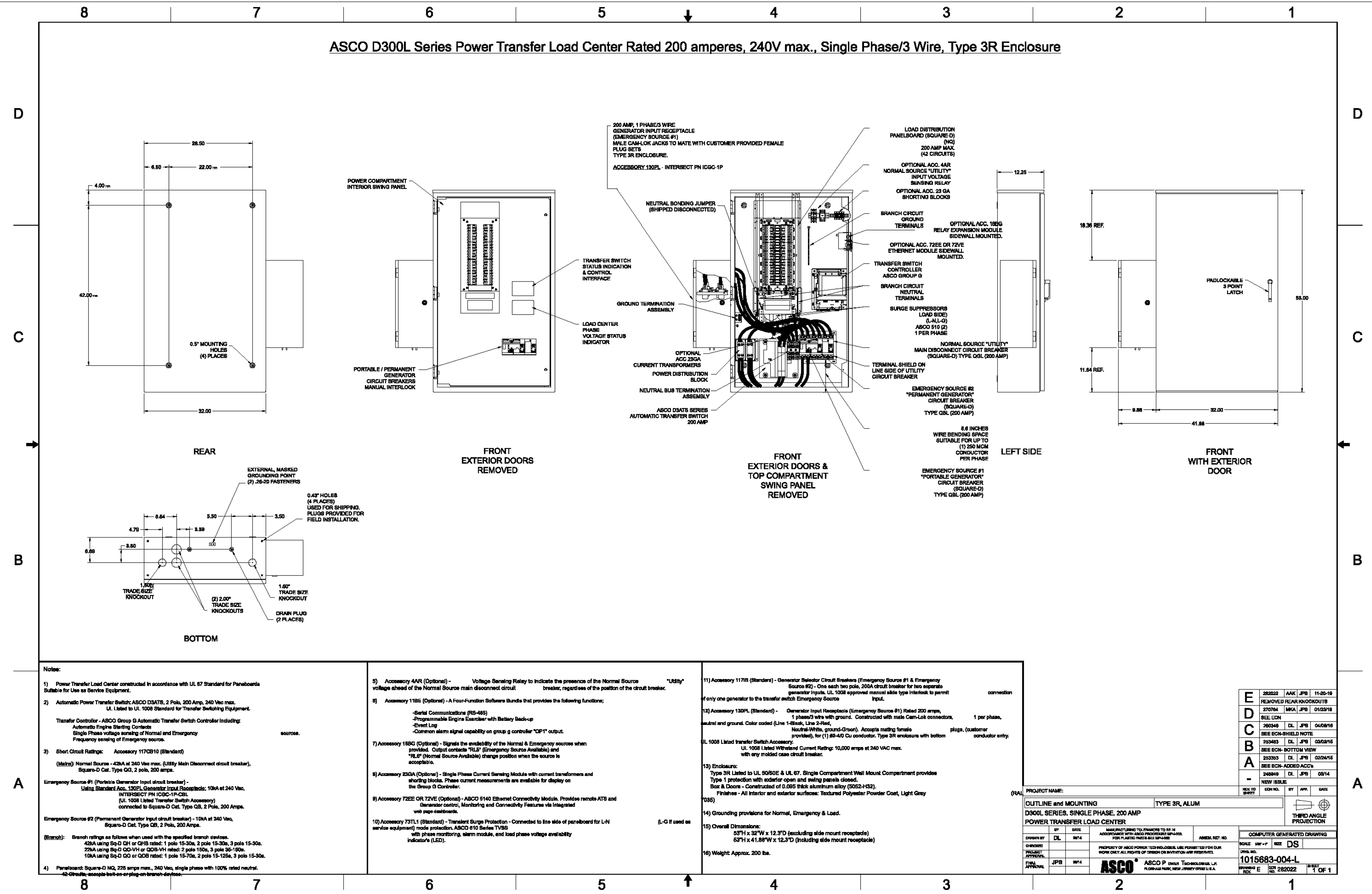
SCALE AS SHOWN DESIGNED DRAWN



ELECTRICAL AND GROUNDING NOTES

JOB NO	DRAWING NUMBER	REV.
	CXLO0021-GN03	1

ASCO D300L Series Power Transfer Load Center Rated 200 amperes, 240V max., Single Phase/3 Wire, Type 3R Enclosure

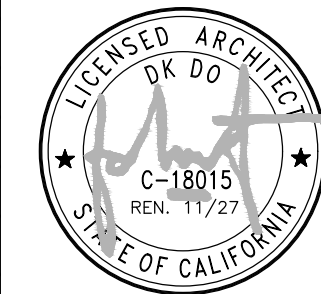


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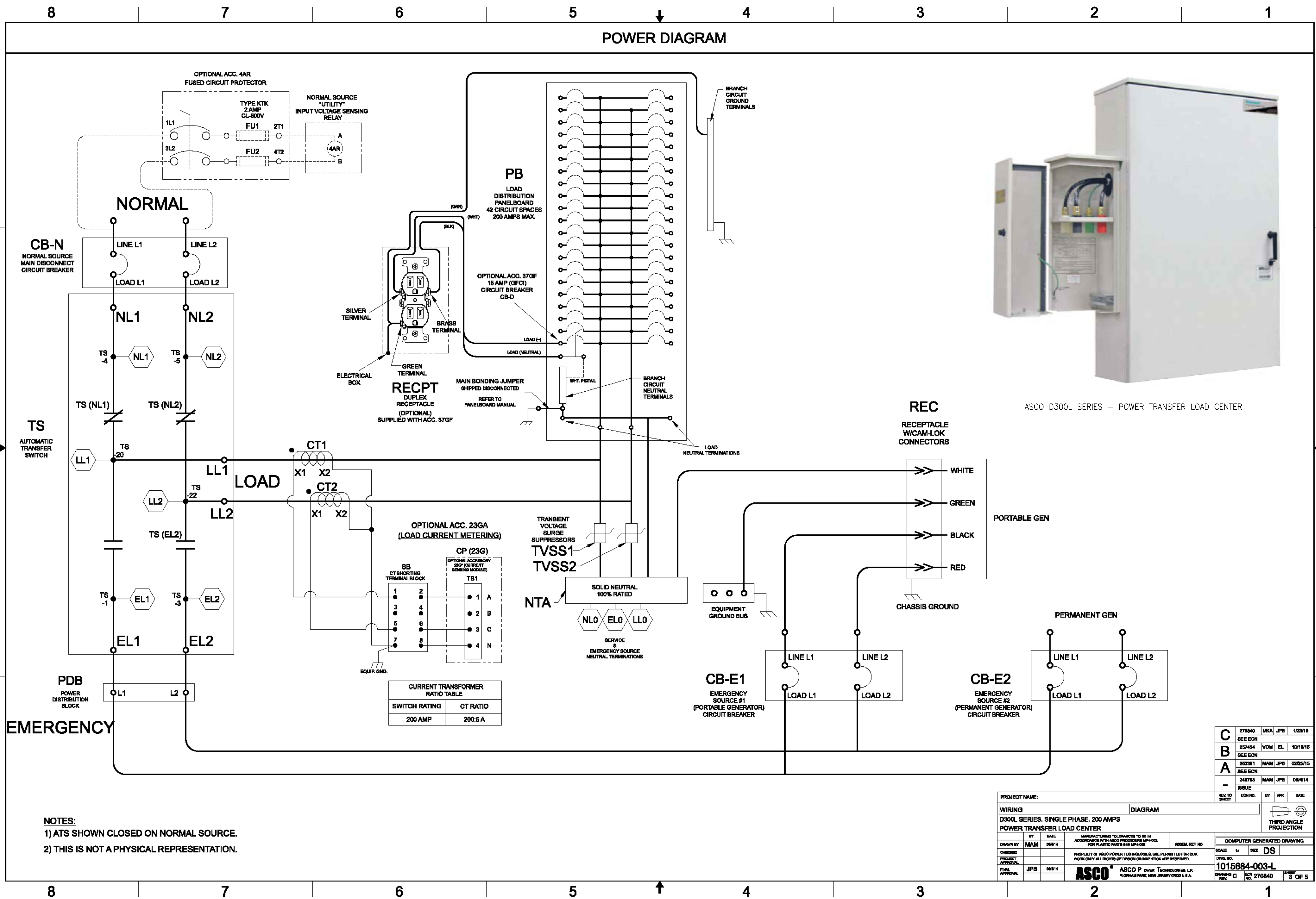
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SMWD DHQ ROOFTOP
(FORMALLY LAD233 FA#10086989)
PACE#: MRLOS096185 | FA#: 15791117 | USID#: TBD
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A	09/19/25	ISSUED FOR CD REVIEW AND COMMENTS	RF	BOK	DKD
SCALE		AS SHOWN	DESIGNED	DRAWN	



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**POWER TRANSFER LOAD CENTER
OUTLINE AND MOUNTING**
JOB NO. DRAWING NUMBER REV.
CX00021-GN04 1



C	270840	MAM	JPB	1/23/18
B	251544	VOM	EL	10/18/16
A	205391	MAM	JPB	02/25/15
-	248783	MAM	JPB	08/14/14

PROJECT NAME:		DIAGRAM	
WIRING D300L SERIES, SINGLE PHASE, 200 AMPS POWER TRANSFER LOAD CENTER			
DESIGNED BY	DATE	MANUFACTURING TO FRANCHISE TO BE IN ACCORDANCE WITH ANGLO PROCESSING MANUAL FOR PLASTIC PANELS SEE SP438	ASBEM REF. NO.
CHECKED BY	DATE	PROPERTY OF ASCO POWER TECHNOLOGIES, LLC. PERMISSION IS GRANTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.	COMPUTER GENERATED DRAWING
DATE	DATE	SCALE	1:1
NO.	DATE	REVISIONS	BY
SCALE	AS SHOWN	DESIGNED	DRAWN

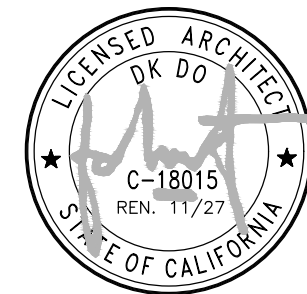
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CX00021
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0	11/14/25	ADDRESS PLAN CHECK COMMENTS	RF	BOK	DKD
A	09/19/25	ISSUED FOR CD REVIEW AND COMMENTS	RF	BOK	DKD
NO.	DATE	REVISIONS	BY	CHK	APP'D
SCALE	AS SHOWN	DESIGNED	DRAWN		



AT&T
POWER TRANSFER LOAD CENTER WIRING DIAGRAM
JOB NO. DRAWING NUMBER REV.
CX00021-GN05 1

GS PYLI2VI85FT 12V 185Ah-8Hr

Proven in the real world, the PLY Series of telecom batteries provides security and long life in extreme climates where other VRLA batteries just don't survive. The PLY technology utilizes proprietary lead alloys and active material additives. The PLY Series is the most cost effective battery solution over the total life cycle and for initial installation in your network.

- Primary lead for Long Life
- UL94 V-0 flame retardant case
- High temperature, long life design
- AGM and spill-proof construction
- Harnesses/connecting bars available
- No maintenance required
- 10+ years design life
- GR-4228 compliant
- UL recognized
- ABS plastic case for durability

SPECIFICATIONS

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

Nominal Voltage (V)	Rated Capacity Rate in Ah (8 Hr)	Ambient Temperature		Outer Dimensions				Weight		Terminal				
		Charge	Storage	L	W	H	TH	kg	lbs.					
12	185 Ah	-15 to 50°C (5 to 122°F)	-15 to 40°C (5 to 112°F)	556	219	125	49	317	12.5	317	12.5	60.7	133.8	Front-M8 Bolt

Amperes to Final voltage: 1.75V per cell @ 25°C (77°F)

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

Watts to Final voltage: 1.75V per cell @ 25°C (77°F)

DISCHARGE TIME (Hr)										
2	3	4	5	6	7	8	9	10	12	20
820	609	487	407	351	315	275	250	232	215	123

PYLI2VI85FT 12V 185Ah-8Hr Rev. 10-22-2012

• Float Charge Voltage: 13.65V +/- 0.15V

• Temperature Compensation: The recommended compensation factor is -3mV/°C/cell. The standard center point for temperature compensation is 25°C.

• Internal Resistance: Approximately 3.5 mΩ measured with 1kHz AC bridge

• Terminal Torque: 90 in.lbs. (13mm, top); 43.5 in.lbs. (10mm, front)

Temperature and Discharge Capacity, Self-discharge Characteristics, Charging Characteristics (2.275V/cell)

GS Battery (U.S.A.), Inc.
1150 Northmeadow Parkway, Suite 110
Roswell, GA 30076
800-472-2879

GS
www.gsbattery.com

International Certification
(1) ISO 9001, TS16949
(2) UL approval, Code: M812870

GS PYL SERIES HIGH TEMPERATURE SUPER LONG LIFE BATTERIES with *HT Element X Alloy™*

PYL SERIES

Proven in the real world, the PLY Series of telecom batteries provides security and long life in extremely hot climates where other VRLA batteries just don't survive. The PLY technology utilizes GS Battery's proprietary *HT Element X Alloy™* and active material additives. The PLY Series is the most cost effective battery solution over the total life cycle and for initial installation in your network.

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

CAPACITY RANGE
+ 45Ah - 200Ah

COMPLIANCE
+ V2 TPR-9802
+ GR-4228
+ GR-1089
+ GR-63 NEBS

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

SAFETY
+ UL 94V-0
+ UL 1989

GS YUASA POWERING THE NEXT GENERATION

GS PYL SERIES HIGH TEMPERATURE SUPER LONG LIFE BATTERIES with *HT Element X Alloy™*

SPECIFICATIONS

MODEL	Nominal Voltage (V)	Rated Capacity Rate in Ah (8 Hr)	Ambient Temperature Charge / Storage	Outer Dimensions				Weight		Terminal				
				L	W	H	TH	kg	lbs.					
PYL12V85PS	12	185	-15 to 50°C (5 to 122°F)	556	219	125	49	317	12.5	317	12.5	60.7	133.8	Front-M8 Bolt

*Maximum Charge Current is 25% of the 8 Hr. Rate **Refer to Product Manual for optimum temperature range

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

MODEL	DISCHARGE TIME (Hr)										
	2	3	4	5	6	7	8	9	10	12	20
PYL12V85PS	71.2	52.0	41.3	34.4	30.0	26.0	23.1	21.0	19.3	17.7	10.2

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

MODEL	DISCHARGE TIME (Hr)										
	2	3	4	5	6	7	8	9	10	12	20
PYL12V85PS	820	609	487	407	351	315	275	250	232	215	123

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

BATTERY STORAGE SYSTEM CALCULATION (PER 2022 CFC):

MODEL	AMP-HR	VOLT	KWH	QTY	TOTAL KWH
NEW PLY12V185FT	185	12	2.22	12	26.64
OVERALL TOTAL					26.64

THE OVERALL KWH CAPACITY IS **LESS THAN** THE 70 KWH THRESHOLD.

PER SECTION 1207, STATIONARY STORAGE BATTERY SYSTEM HAVING CAPACITIES **EXCEEDING** THE VALUES SHOWN ON TABLE 1207.1.1 SHALL COMPLY SECTIONS 1207.1.1 THROUGH 1207.1.6.2

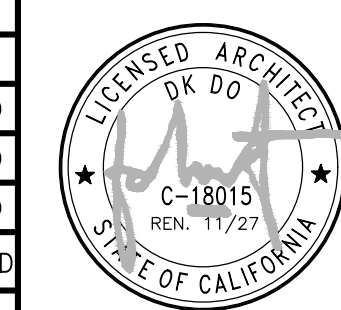
THIS PROJECT'S TOTAL BATTERY KWH < 70KWH, THEREFORE SECTIONS 1207.1.1 THROUGH 1207.1.6.2 **DO NOT** APPLY

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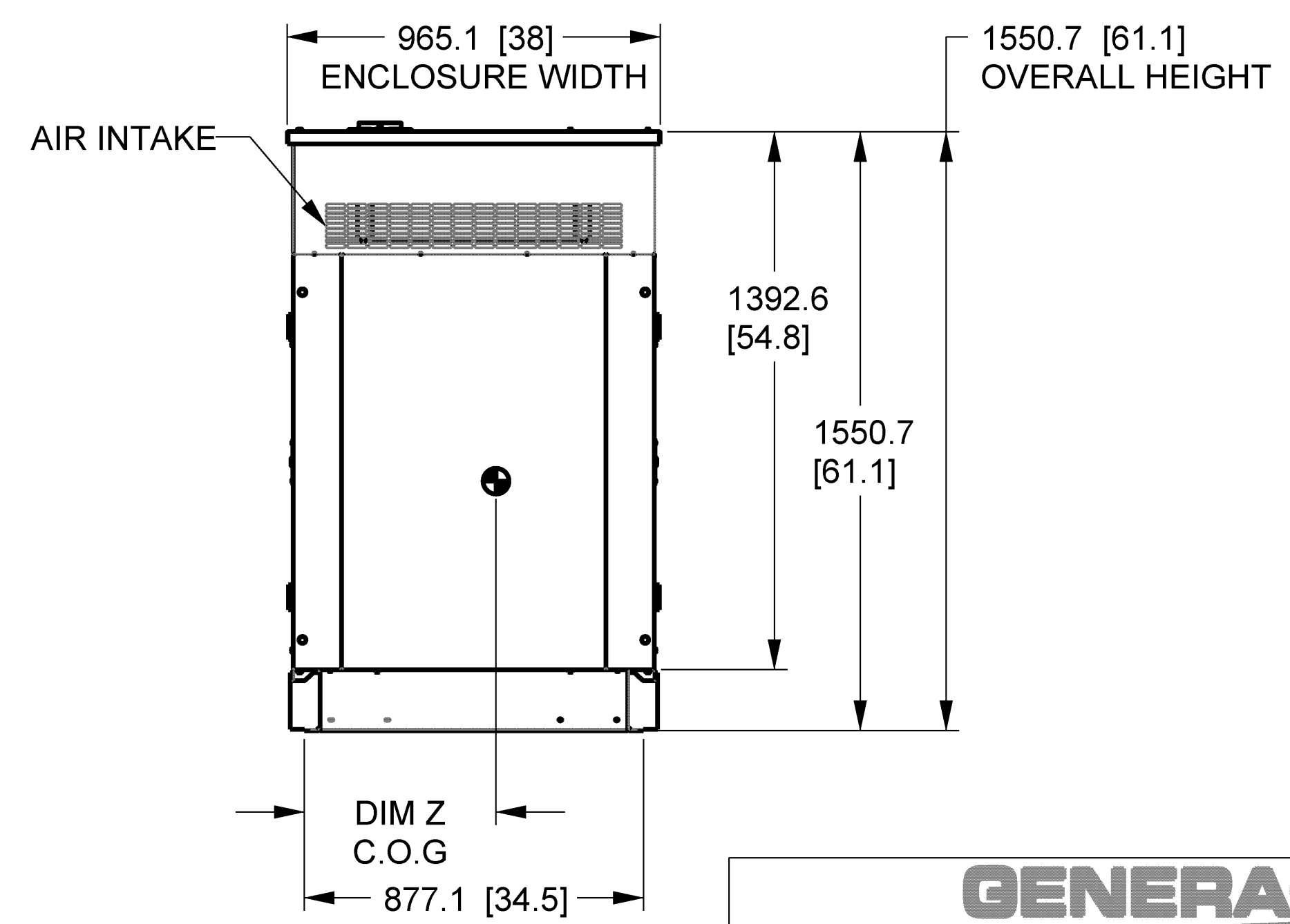
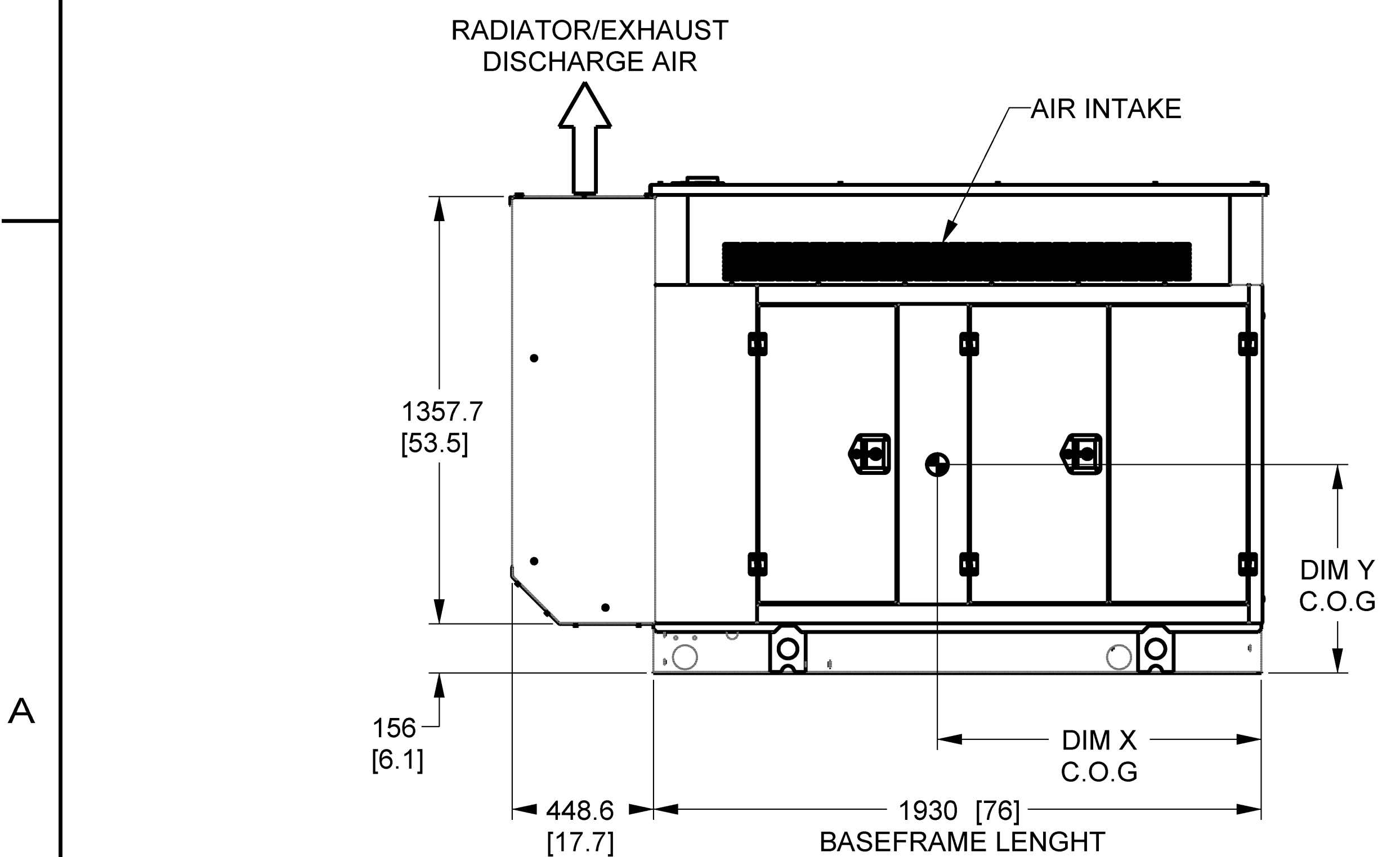
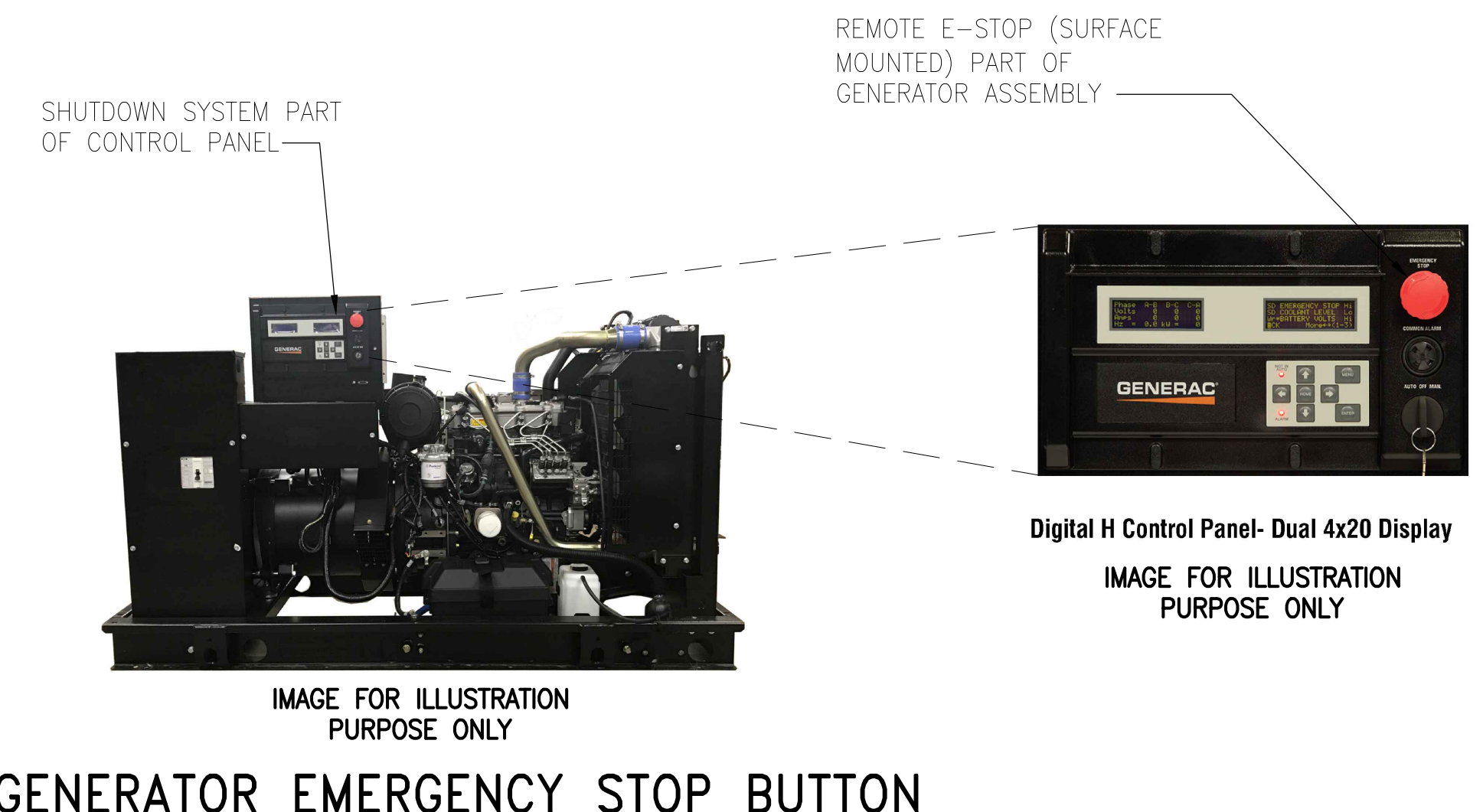
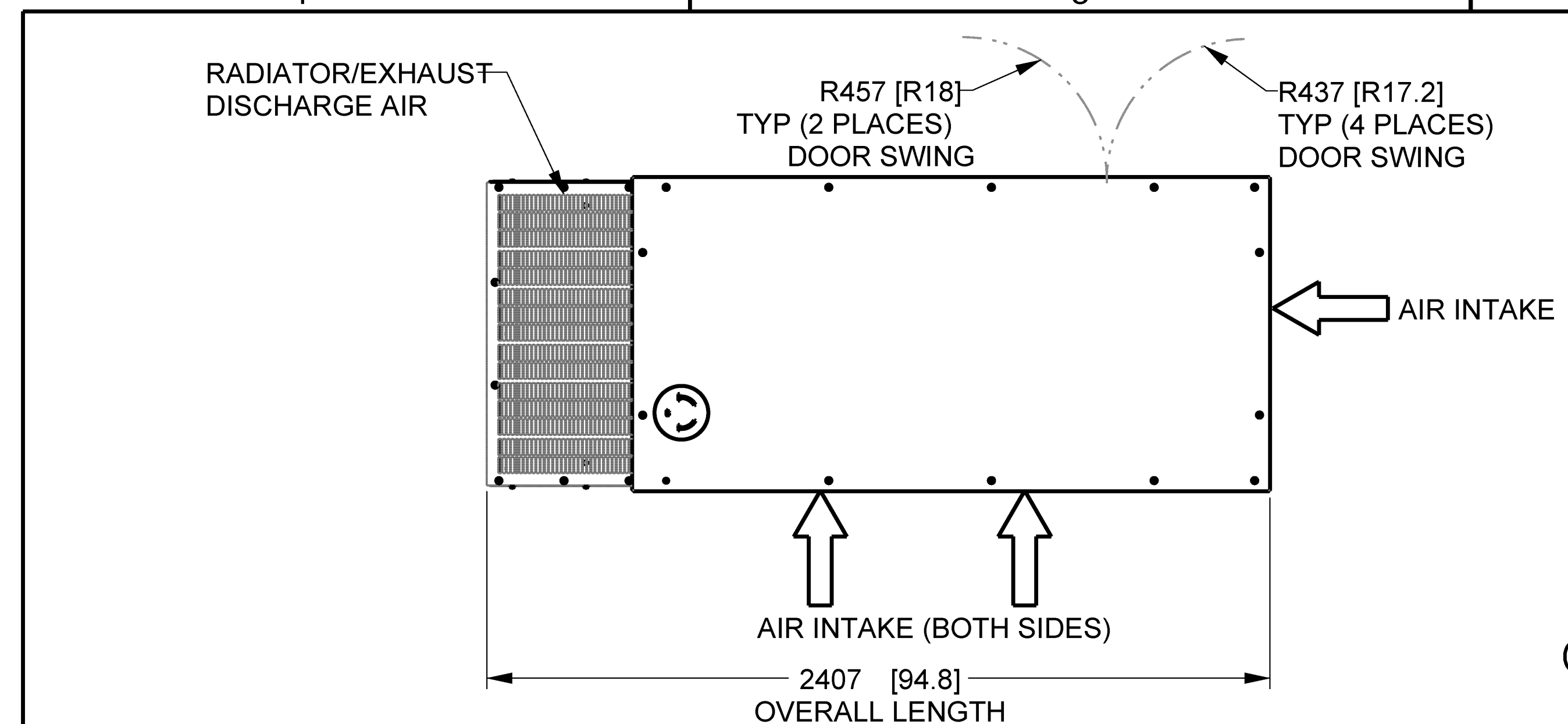
CX00021
SMWD DHQ ROOFTOP
(FORMALLY LAD233 FA#10086989)
PACE#: MRLOS096185 | FA#: 15791117 | USID#: TBD
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RANCHO SANTA MARGARITA, CA 92688

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1	04/09/26	MINOR PLAN CHECK COMMENTS	RF	BOK	DKD
0	11/14/25	ADDRESS PLAN CHECK COMMENTS	RF	BOK	DKD
A	09/19/25	ISSUED FOR CD REVIEW AND COMMENTS	RF	BOK	DKD
SCALE AS SHOWN DESIGNED DRAWN					



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BATTERY DATA SHEET
JOB NO. DRAWING NUMBER REV.
CX00021-GN06 1



DRAWING CREATED FROM PRO/ENGINEER 3D FILE. ECO MODIFICATION TO BE APPLIED TO SOLID MODEL ONLY.

DIMENSIONS ARE IN MILLIMETERS [INCHES] FOR ALL STUB-UP, WEIGHT, AND C.O.G, DETAILS, SEE CORRESPONDING OPEN SET DRAWING PER UNIT CONFIGURATION.

INSTALLATION DRAWING

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ELECTRONICALLY APPROVED INSIDE WINDCHILL

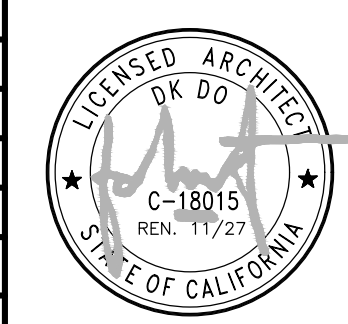
GENERAC			
TITLE INSTALL D2.2L G22 L2A ENCLOSURE			
ISSUE DATE:			
SIZE B	CAGE NO N/A	DWG NO 1000021807	REV A
SCALE 0.045	WT-KG 0.000	SHEET 1 of 1	

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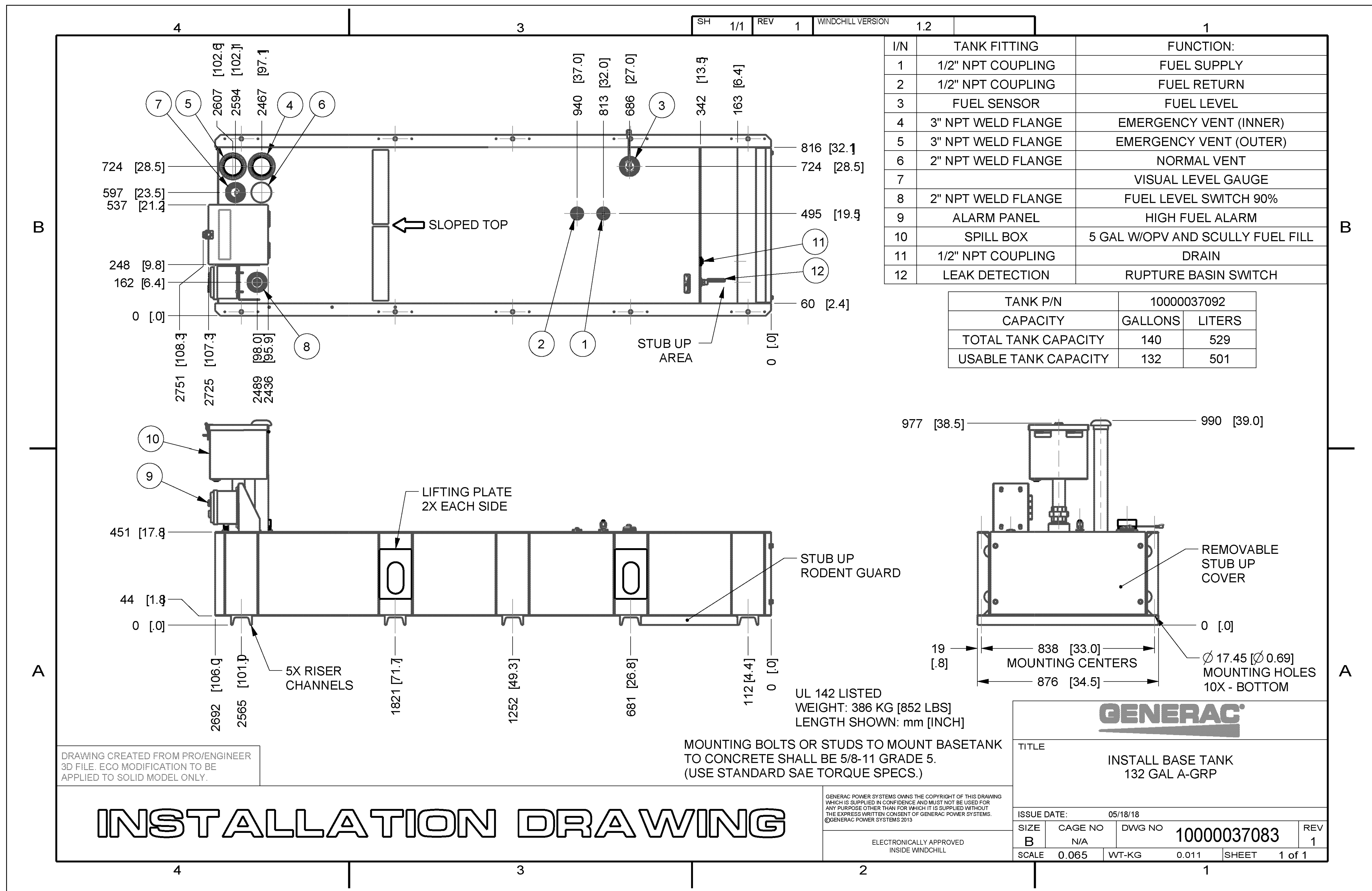
CXL0021
SMWD DHQ ROOFTOP
(FORMALLY LAD233 FA#10086989)
PACE#: MRLOS096185 | FA#: 15791117 | USID#: TBD
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SCALE AS SHOWN DESIGNED DRAWN					



AT&T
GENERATOR SPECIFICATIONS
JOB NO. DRAWING NUMBER
CXL0021-GN07 1



I/N	TANK FITTING	FUNCTION:
1	1/2" NPT COUPLING	FUEL SUPPLY
2	1/2" NPT COUPLING	FUEL RETURN
3	FUEL SENSOR	FUEL LEVEL
4	3" NPT WELD FLANGE	EMERGENCY VENT (INNER)
5	3" NPT WELD FLANGE	EMERGENCY VENT (OUTER)
6	2" NPT WELD FLANGE	NORMAL VENT
7		VISUAL LEVEL GAUGE
8	2" NPT WELD FLANGE	FUEL LEVEL SWITCH 90%
9	ALARM PANEL	HIGH FUEL ALARM
10	SPILL BOX	5 GAL W/OPV AND SCULLY FUEL FILL
11	1/2" NPT COUPLING	DRAIN
12	LEAK DETECTION	RUPTURE BASIN SWITCH

TANK P/N	1000037092	
CAPACITY	GALLONS	LITERS
TOTAL TANK CAPACITY	140	529
USABLE TANK CAPACITY	132	501

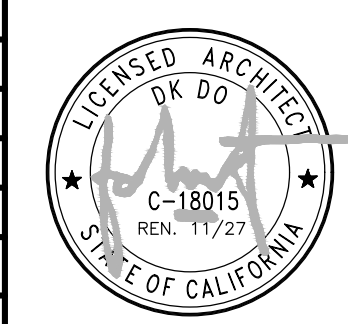
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RANCHO SANTA MARGARITA, CA 92688

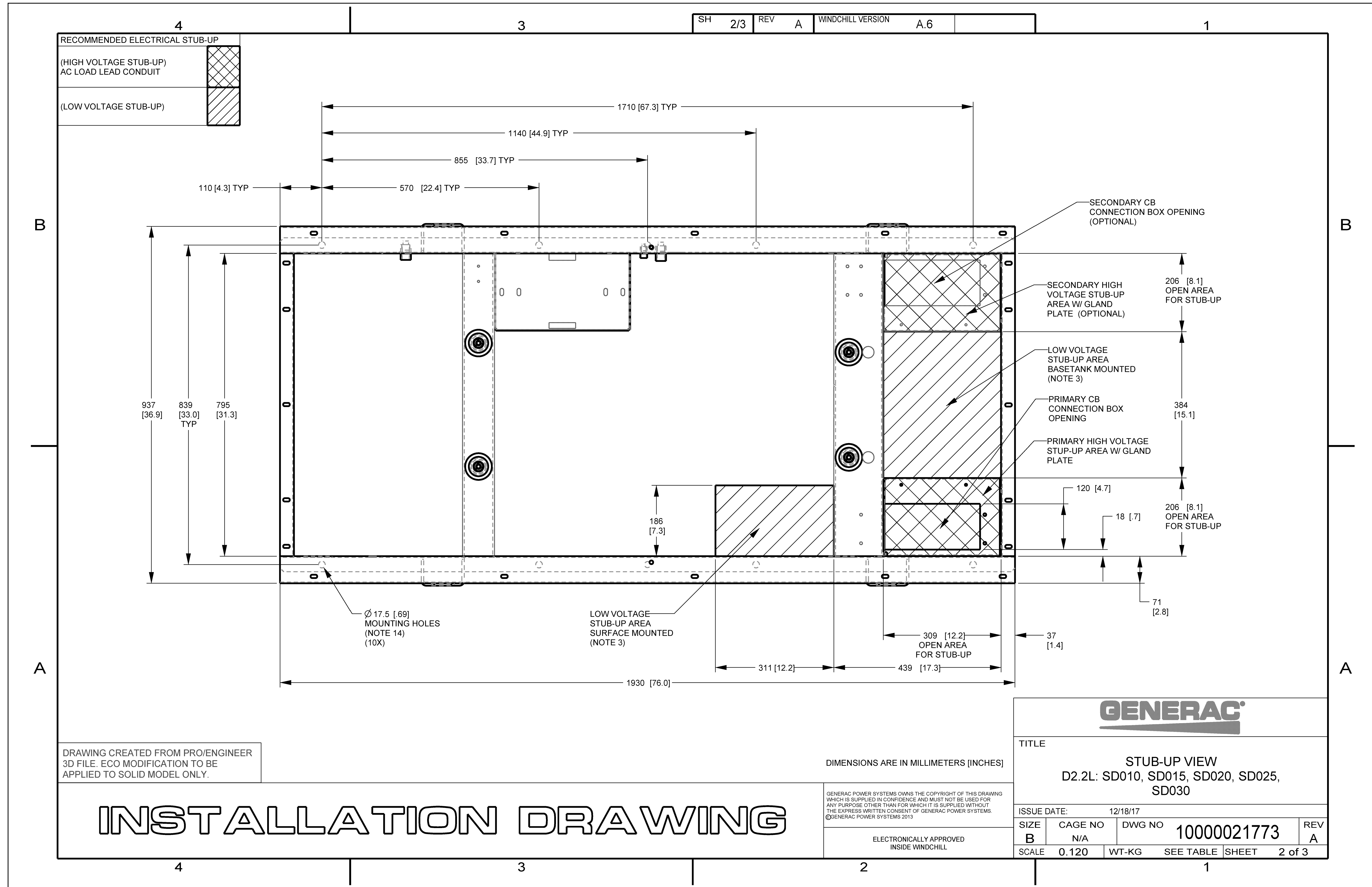
AT&T
1452 EDINGER AVENUE, 3RD FLOOR
TUSTIN, CA 92780

NO.	DATE	REVISIONS	BY	CHK	APP'D
1	04/09/26	MINOR PLAN CHECK COMMENTS	RF	BOK	DKD
0	11/14/25	ADDRESS PLAN CHECK COMMENTS	RF	BOK	DKD
A	09/19/25	ISSUED FOR CD REVIEW AND COMMENTS	RF	BOK	DKD

SCALE AS SHOWN DESIGNED DRAWN



AT&T
GENERATOR SPECIFICATIONS
JOB NO. DRAWING NUMBER
CXL0021-GN08 1



DRAWING CREATED FROM PRO/ENGINEER 3D FILE. ECO MODIFICATION TO BE APPLIED TO SOLID MODEL ONLY.

DIMENSIONS ARE IN MILLIMETERS [INCHES]

INSTALLATION DRAWING

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ELECTRONICALLY APPROVED INSIDE WINDCHILL

GENERAC

TITLE
STUB-UP VIEW
 D2.2L: SD010, SD015, SD020, SD025, SD030

ISSUE DATE: 12/18/17

SIZE	CAGE NO	DWG NO	REV
B	N/A	10000021773	A

SCALE 0.120 WT-KG SEE TABLE SHEET 2 of 3

DCI PACIFIC
 A|E|C WORKS

ARCHITECTURE | ENGINEERING | CONSULTING
 38 EXECUTIVE PARK | SUITE 240
 IRVINE | CA 92614

CX00021
 SMWD DHQ ROOFTOP
 (FORMALLY LAD233 FA#10086989)
 PACE#: MRLOS096185 | FA#: 15791117 | USID#: TBD
 26111 ANTONIO PARKWAY
 RANCHO SANTA MARGARITA, CA 92688

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SCALE AS SHOWN DESIGNED DRAWN



GENERATOR SPECIFICATIONS

JOB NO.	DRAWING NUMBER	REV.
	CX00021-GN09	1

Generac Power Systems, Inc.
545 W20200 Hwy. 59
Waukesha, Wisconsin 53189
P (262) 544-4811



March 6, 2020

RE: NRTL listings. Generac diesel fuel base tanks.

This letter is in response to an inquiry concerning the NRTL listing of the Generac Power Systems diesel fuel base tanks.

Generac base tanks have been evaluated, certified, listed and labeled to the UL 142 standard - Standard for Safety - Steel Aboveground Tanks for Flammable and Combustible Liquids.

Intertek-ETL has used the UL 142 standard to evaluate and certify the base tanks. Reference the copy of the Authorization to Mark (ATM) for the Generac base tanks below.



If you have any questions, or need additional information, please feel free to contact me.

Sincerely,
Jeff Jones

Jeff Jones ext. 2104
Senior Staff Engineer - Certifications



Highway 59 & Hillside Rd.
Waukesha, WI 53188
Phone: 262-544-4811

Ref: ATT

UL registration number: MH18459

U.L. 142 DOUBLE WALL FUEL TANK BASE SPECIFICATION

Fuel tank base construction:

- Be constructed in accordance with Underwriters Laboratories Standard UL-142. Be constructed in accordance with Flammable and Combustible Liquids Code, NFPA 30; The Standard for Installation and Use of Stationary Combustible Engine and Gas Turbines, NFPA 37; and The Standard for Emergency and Standby Power Systems, NFPA 110. Include reinforced steel box channel for generator support, with load rating of 5,000 lbs. per gen-set mounting hole location. Full height gussets shall be provided at gen-set mounting holes. Be shipped with a certificate of Structural/Mechanical Integrity, certifying that it has met standards through rigorous testing and has demonstrated specified capabilities.

Sub Base Tank Testing:

Primary tank and secondary containment basin sections shall be pressurized at 3-5 psi and leak-checked to ensure integrity of sub base weld seams per UL-142 standards

Sub Base Tank Fittings:

The sub base tank shall include the following fittings:

- Appropriately sized NPT
- Fuel supply Fuel return fitting
- NPT for normal vent, sized as appropriate NPT for emergency vent, sized as appropriate
- 2" NPT for manual fill
- NPT for level gauge, sized as appropriate.
- 2" NPT for electronic fuel level; includes Low fuel alarm. High fuel level alarm
- NPT fitting for leak detection alarm

Fuel Level Gauge

The sub base tank shall include a direct-reading fuel level gauge.

Fuel Fill

5 gallon spill containment lockable Morrison Bros Overfill Protection Valve with quick connect

Low Fuel Level

Factory Pre-set at 40% remaining for Alarm
Factory Pre-set at 20% remaining for Shut-down

Exterior High Fuel Level Alarm Box

Factory Pre-set at 90% full for Alarm visual and audible

High Fuel Level

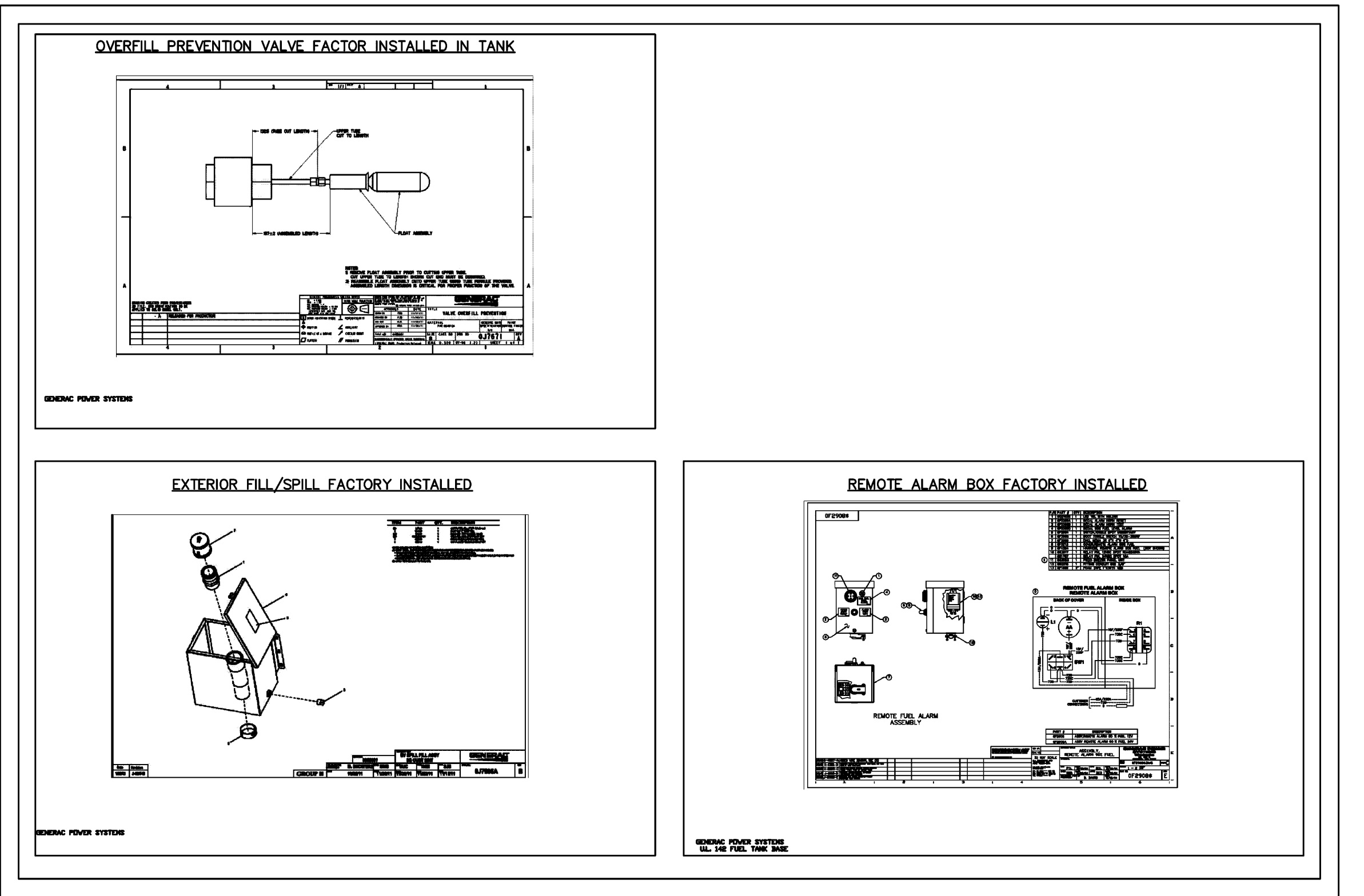
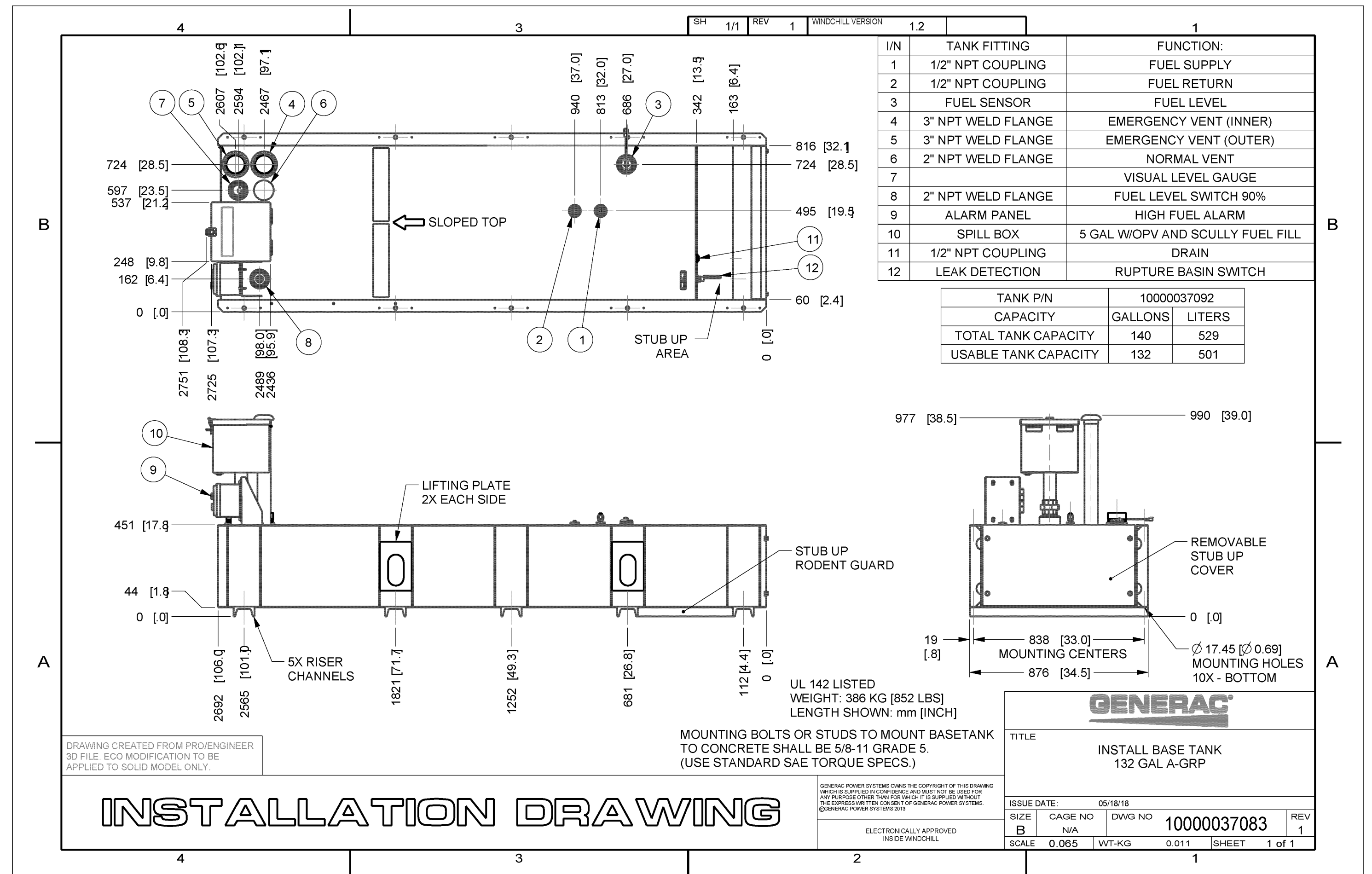
Factory Pre-set at 95% full for Alarm

Fuel Containment Basin

Sub base tank shall include a welded steel containment basin, sized at a minimum of 110% of the tank capacity to prevent escape of fuel into the environment in the event of a tank rupture. A fuel containment basin leak detector switch shall be provided.

Sub Base Tank Venting

Normal and Emergency Venting: Normal and Emergency venting shall be sized per U.L. 142 specifications for wetted surface area of tank.



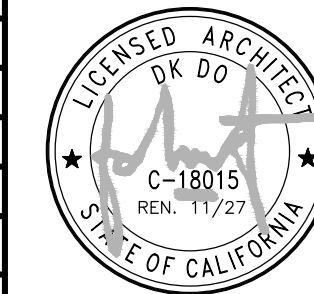
DCI PACIFIC
A|E|C WORKS

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AT&T

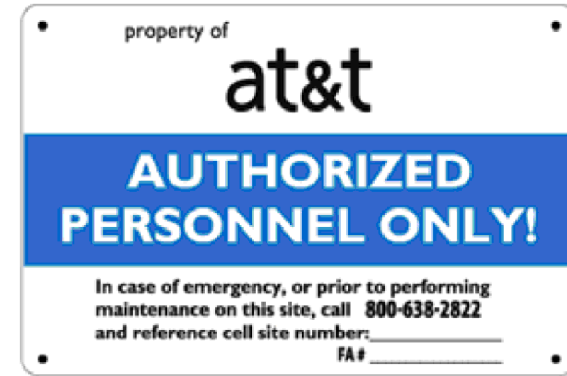
GENERATOR SPECIFICATIONS

JOB NO: [] DRAWING NUMBER: CX00021-GN10 REV: 1

GENERATOR SIGNAGE NOTES:

SIGNS SHALL BE AFFIXED TO THE TANK ON BOTH OF THE LONG SIDES OF THE GENERATOR. THE FOLLOWING SIGNS ARE REQUIRED:

1. AT&T identification sign, 8" x 12" or 3" x 6.5"



OR



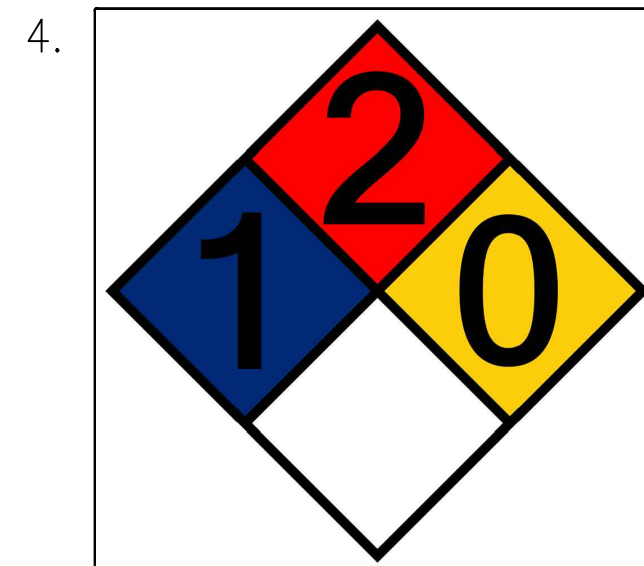
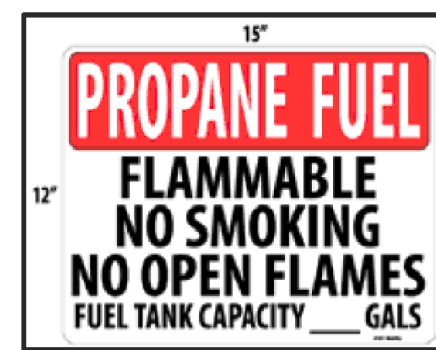
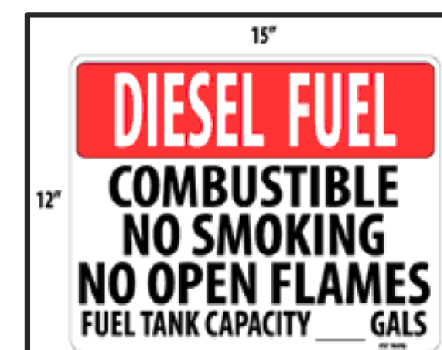
2. Yellow EH&S sign



GENERATOR NFPA 704 SIGNAGE NOTES

- SIGN SHALL BE 15"X15" WITH 6" NUMBERS
- AN NFPA 704 DIAMOND PLACARD SHALL BE INSTALLED ON GENERATOR AND THE MAIN ACCESS GATE.

3. Fuel type, Combustible (Diesel), Flammable (Propane & Natural Gas) and No Smoking signs (individual signs or the Excel combination sign shown below are acceptable). Fuel tank capacity is optional



GENERATOR SIGNAGE

2

NFPA Rating Explanation Guide					
RATING NUMBER	HEALTH HAZARD	FLAMMABILITY HAZARD	INSTABILITY HAZARD	RATING SYMBOL	SPECIAL HAZARD
4	Can be lethal	Will vaporize and readily burn at normal temperatures	May explode at normal temperatures and pressures	ALK	Alkaline
3	Can cause serious or permanent injury	Can be ignited under almost all ambient temperatures	May explode at high temperature or shock	ACID	Acidic
2	Can cause temporary incapacitation or residual injury	Must be heated or high ambient temperature to burn	Violent chemical change at high temperatures or pressures	COR	Corrosive
1	Can cause significant irritation	Must be preheated before ignition can occur	Normally stable. High temperatures make unstable	OX	Oxidizing
0	No hazard	Will not burn	Stable	RA	Radioactive
				W	Reacts violently or explosively with water
				W OX	Reacts violently or explosively with water and oxidizing



GATE NFPA 704 SIGNAGE NOTES

- SIGN SHALL BE 15"X15" WITH 6" NUMBERS
- AN NFPA 704 DIAMOND PLACARD SHALL BE INSTALLED ON THE MAIN ACCESS GATE.
- THE PLACARD SHALL BE PLACED AT EYE-LEVEL

GATE SIGNAGE

3



BATTERY NFPA 704 SIGNAGE NOTES

- SIGN SHALL BE 15"X15" WITH 6" NUMBERS
- AN NFPA 704 DIAMOND PLACARD SHALL BE INSTALLED ON BATTERY CABINET AND THE MAIN ACCESS DOOR.
- THE EXTERIOR ACCESS PANEL OF BATTERY CABINET SHALL SHOW THE FOLLOWING INFORMATION:
A) MANUFACTURER AND MODEL NUMBER OF THE SYSTEM
B) VOLTAGE AND CURRENT
- PLACARD SHALL BE PLACED AT EYE-LEVEL

NFPA RATING GUIDE

5

BATTERY SIGNAGE

4

INFORMATION AND ALERTING SIGNAGE

1

INFORMATION

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

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

Contact AT&T Mobility at 800-638-2822 prior to performing any maintenance or repairs near AT&T antennas.

This is AT&T Mobility Site # _____

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

INFORMACIÓN

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

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

Comuníquese con AT&T Mobility 800-638-2822 antes de realizar cualquier mantenimiento o reparaciones cerca de las antenas de AT&T.

Esta es la estación base número _____

Favor comunicarse con la oficina de la administración del edificio si esta puerta o compuerta se encuentra sin candado.

Sign 1 www.atandm.com AT&T Mobility

INFORMATION SIGN

INFORMATION SIGNAGE NOTES:

- INFORMATION SIGN IS TO BE MADE ON 50 MIL ALUMINUM SHEETING (SIZE 8 INCHES BY 12 INCHES) WITH FOUR (4) 1/4-INCH MOUNTING HOLES, ONE IN EACH CORNER OF THE SIGN FOR MOUNTING WITH HARDWARE OR WITH TIE WRAPS. THE MAIN BACKGROUND COLOR IS TO BE WHITE FRONT AND BACK WITH BLACK WITH BLACK LETTERING.
- THE INFORMATION BAND SHALL BE A 1.2 INCH SOLID GREEN BAND WITH 0.5 INCH HIGH BLACK LETTERING. THE BODY TEXT SHALL BE IN BLACK LETTERING WITH 0.2 INCH HIGH LETTERS THE REF LINE SHALL BE IN 1/8-INCH HIGH LETTERS.
- THE PLACEMENT OF TEXT SHALL BE DONE IN A MANNER THAT WILL PERMIT EASY READING FROM DISTANCE OF APPROXIMATELY 6 FEET IN FRONT OF THE SIGN.
- ALL PAINT WILL BE BAKED ENAMEL WITH UV PROTECTIVE COATING OVER THE FACE OF THE SIGN.
- CONTRACTOR SHALL INSTALL ALL INFORMATION SIGNAGE IN ACCORDANCE WITH RF EXPOSURE POLICY AND RF SAFETY COMPLIANCE PROGRAM, LATEST EDITION.

ALERTING SIGNAGE NOTES:

- NOTICE, CAUTION, AND WARNING SIGNS ARE TO BE MADE ON 50 MIL ALUMINUM SHEETING (SIZE 8 INCHES BY 12 INCHES) WITH FOUR (4) 1/4-INCH MOUNTING HOLES, ONE IN EACH CORNER OF THE SIGN FOR MOUNTING WITH HARDWARE OR WITH TIE WRAPS. THE MAIN BACKGROUND COLOR IS TO BE WHITE FRONT AND BACK WITH BLACK WITH BLACK LETTERING. THE RADIATION SYMBOL BACKGROUND WILL BE BLUE, YELLOW, AND RED FOR NOTICE, CAUTION, AND WARNING SIGNS, RESPECTIVELY, WITH A BLACK SYMBOL AND BLACK TRIANGLE BORDER AROUND THE SYMBOL. TRIANGLE SIZE WILL BE 5 INCHES ON A SIDE.
- THE NOTICE, CAUTION, AND WARNING BANDS WILL BE 3 INCHES HIGH IN A SOLID BLUE, YELLOW, OR ORANGE COLOR, RESPECTIVELY. THE LETTERING WILL BE 7/8-INCH HIGH WITH WHITE LETTERING ON THE NOTICE AND BLACK LETTERING ON THE CAUTION AND WARNING BANDS.
- THE TEXT WILL BE IN A BLACK LETTERING WITH THE "BEYOND THIS POINT..." BEING IN 3/8-INCH HIGH LETTERS; THE SECOND SENTENCE TO BE 1/4-INCH HIGH LETTERS AND THE REF LINE TO BE IN 1/8-INCH HIGH LETTERS.
- THE PLACEMENT OF SYMBOLS AND TEXT SHALL BE DONE IN A MANNER THAT WILL PERMIT EASY READING FROM DISTANCE OF APPROXIMATELY 6 FEET IN FRONT OF OF THE SIGN.
- ALL PAINT WILL BE BAKED ENAMEL WITH UV PROTECTIVE COATING OVER THE FACE OF THE SIGN.
- CONTRACTOR SHALL INSTALL ALL ALERTING SIGNAGE IN ACCORDANCE WITH RF EXPOSURE POLICY AND RF SAFETY COMPLIANCE PROGRAM, LATEST EDITION.

CAUTION

On this tower:

Radio frequency (RF) fields near some antennas may exceed the FCC Occupational Exposure Limits.

Contact AT&T at 800-638-2822, option 9 and 3, and follow their instructions prior to performing any maintenance or repairs beyond this point.

Personnel climbing this tower should be trained for working in RF environments and use a personal RF monitor if working near active antennas.

This is AT&T site CXL00021

YELLOW CAUTION 2B SIGN

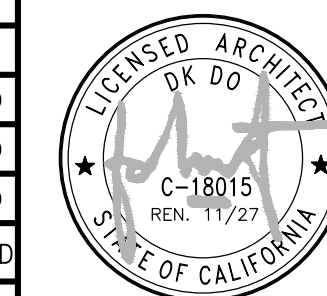
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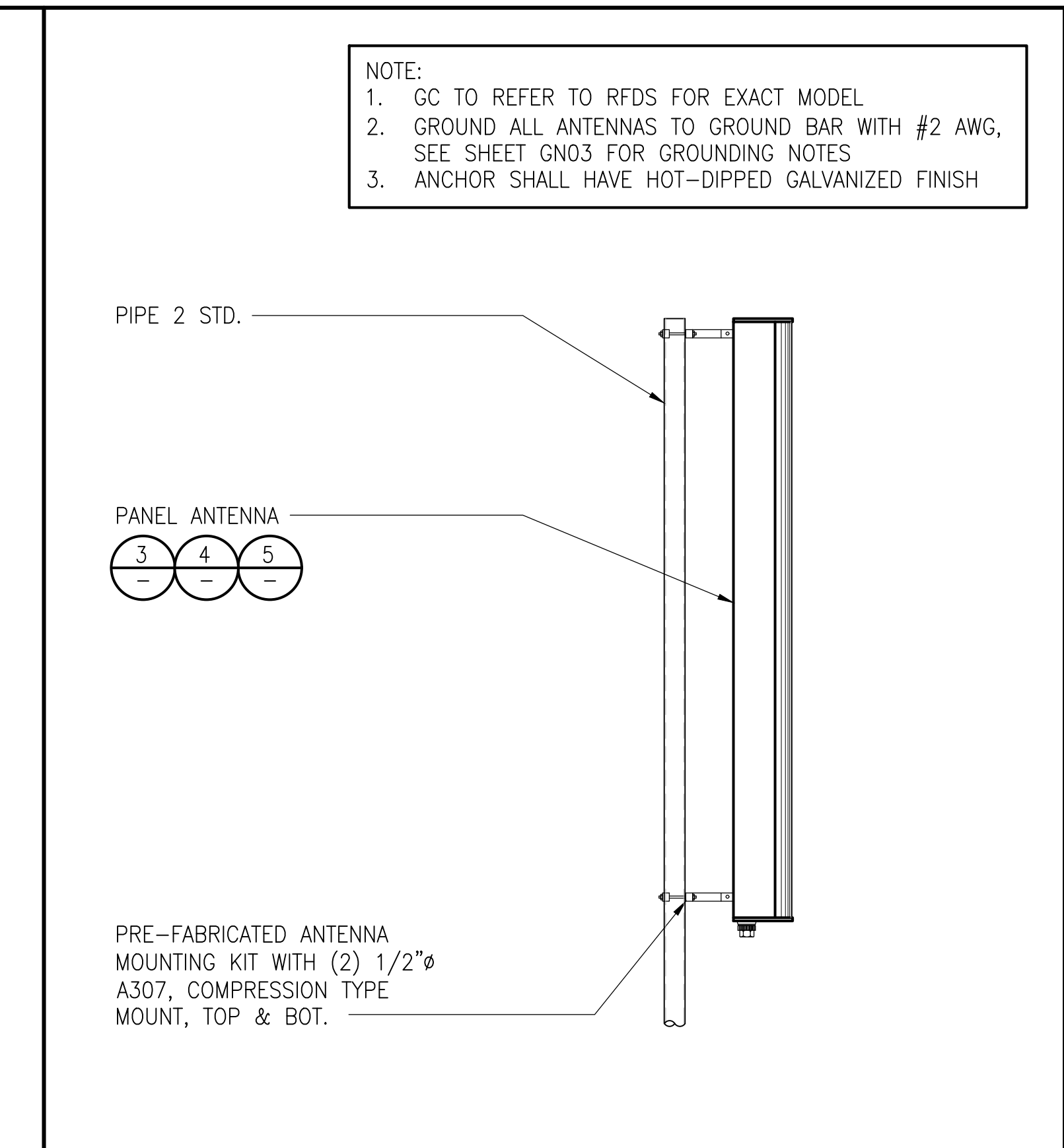
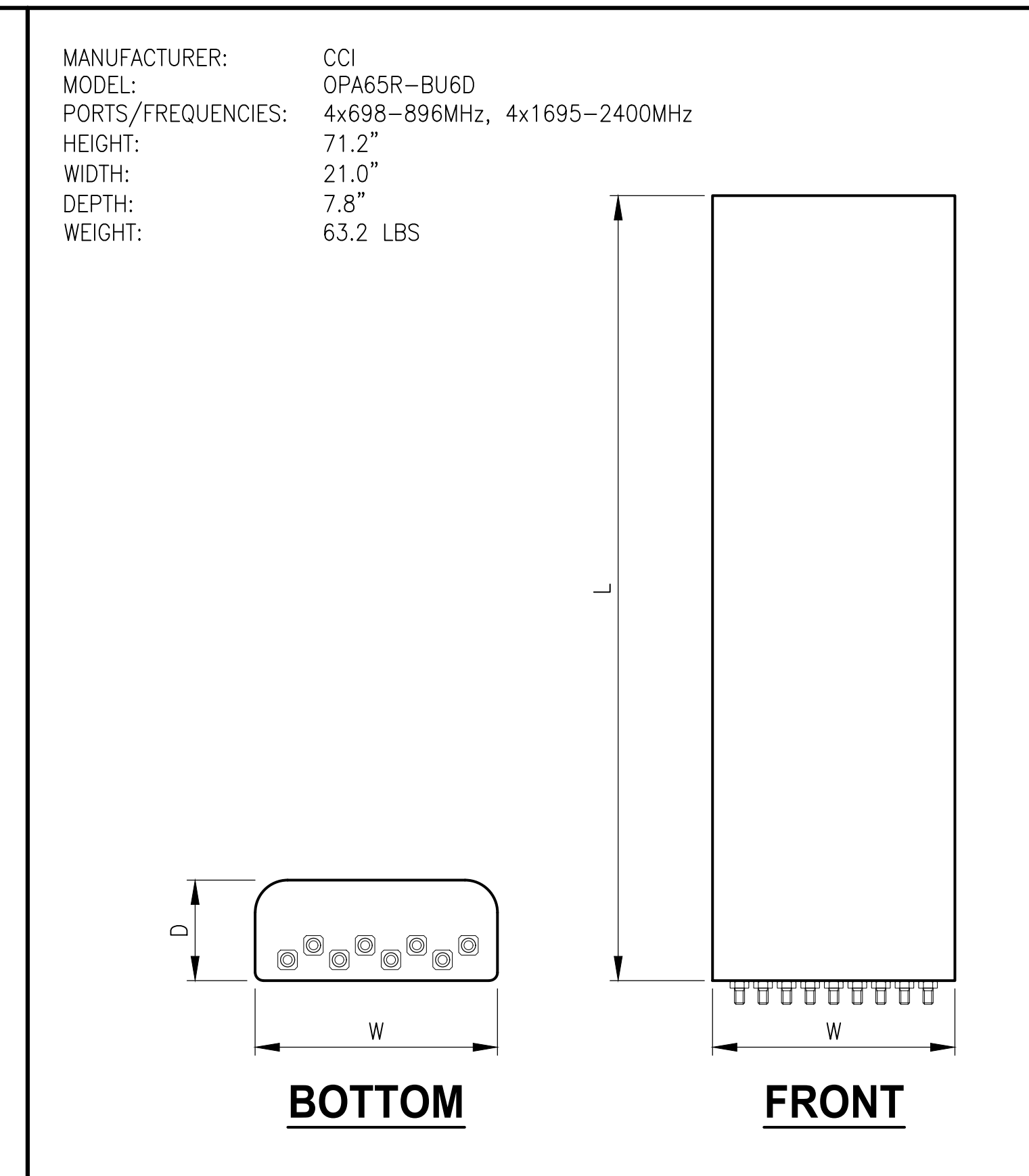
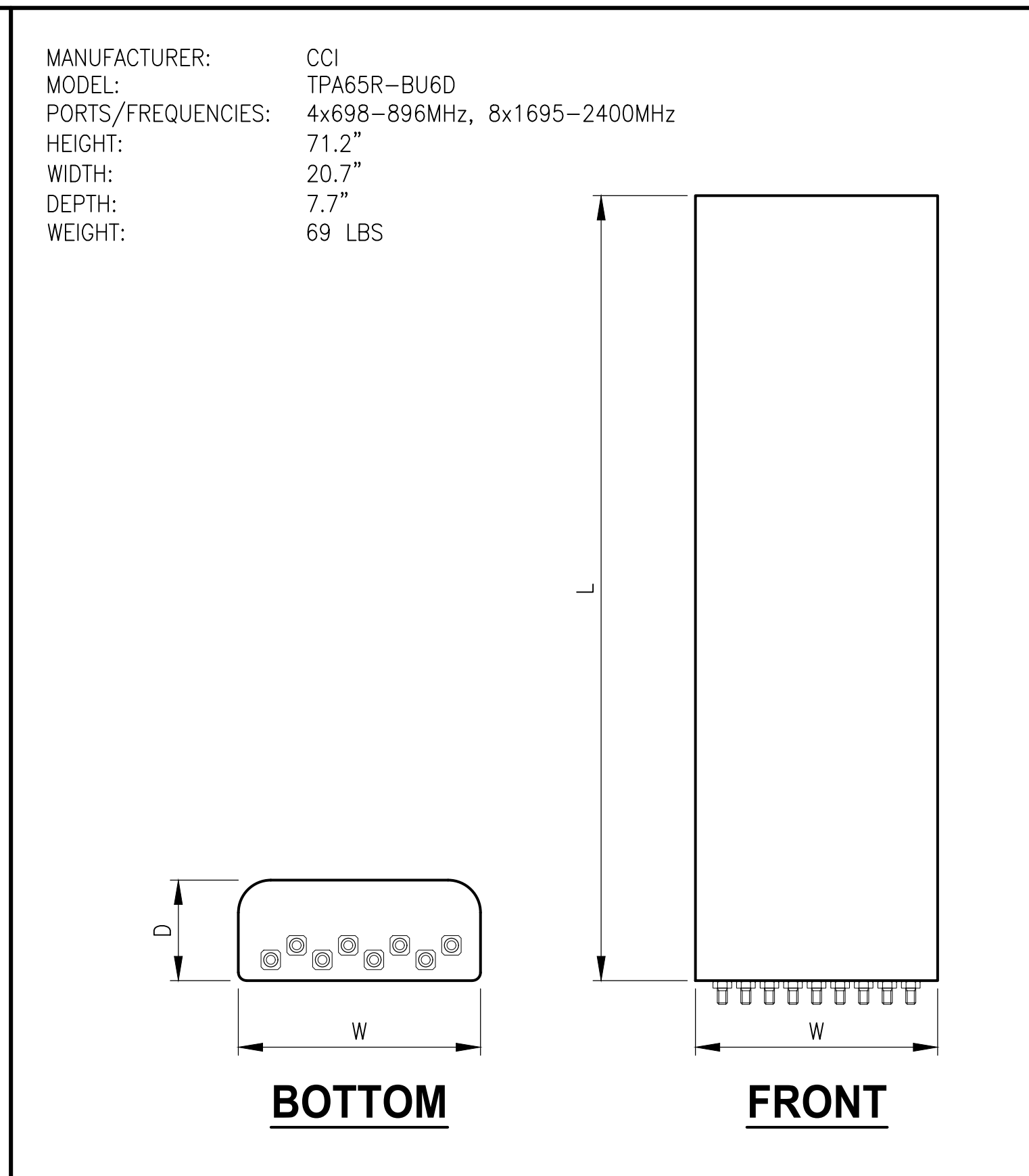
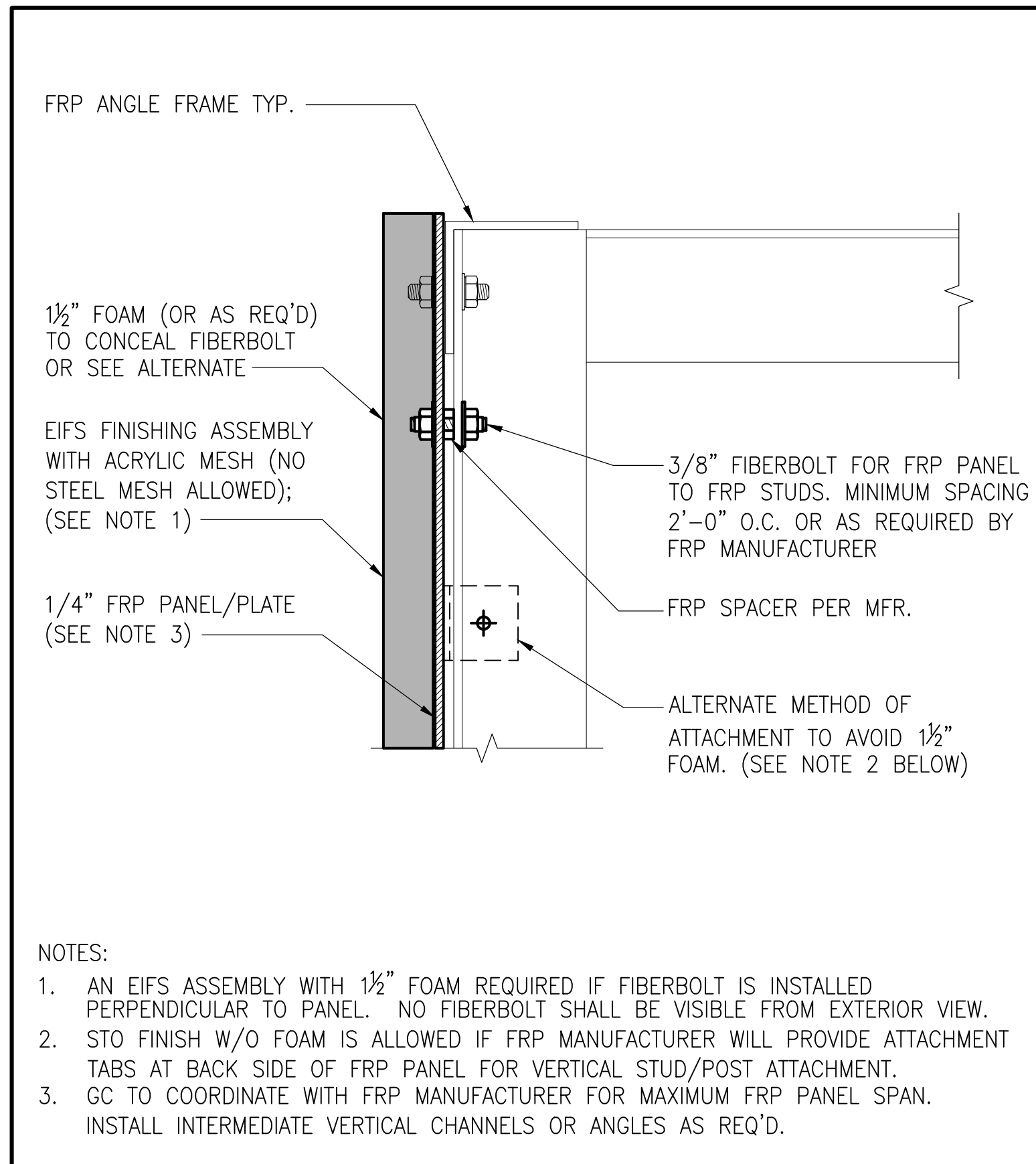
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SCALE AS SHOWN DESIGNED DRAWN					



AT&T

SITE SIGNAGE INFORMATION

JOB NO	DRAWING NUMBER	REV.
	CXL00021-GN11	1

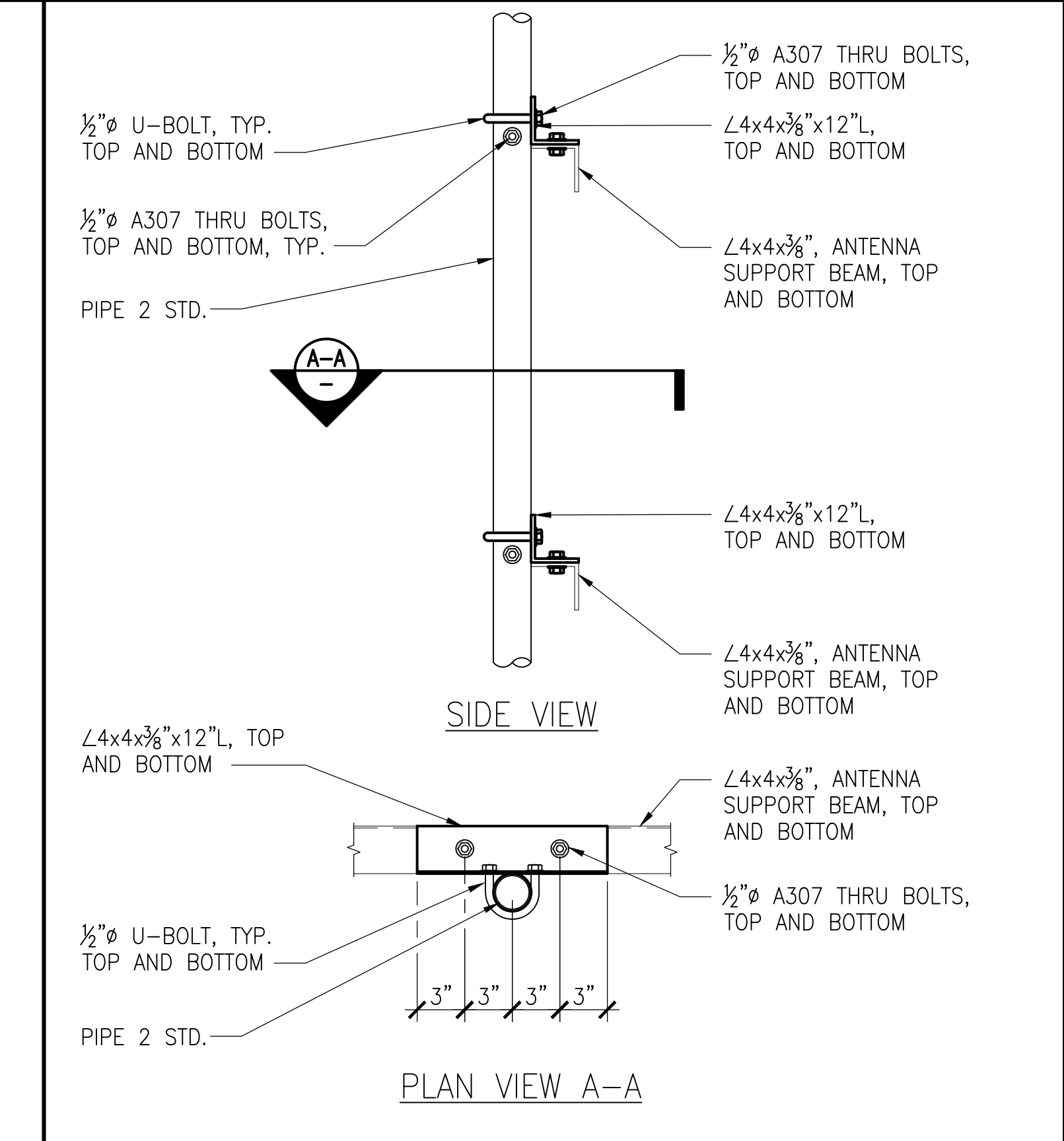
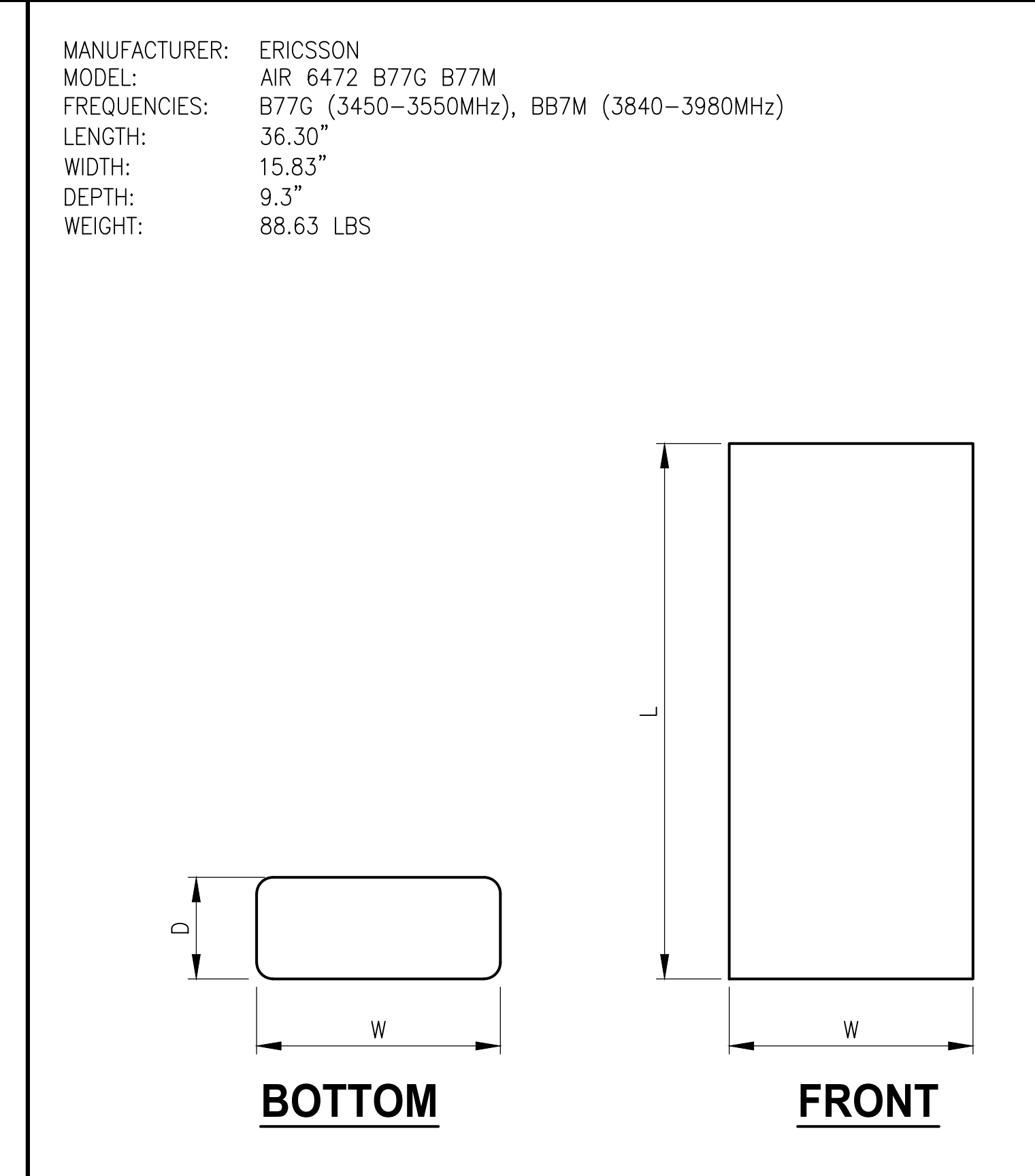
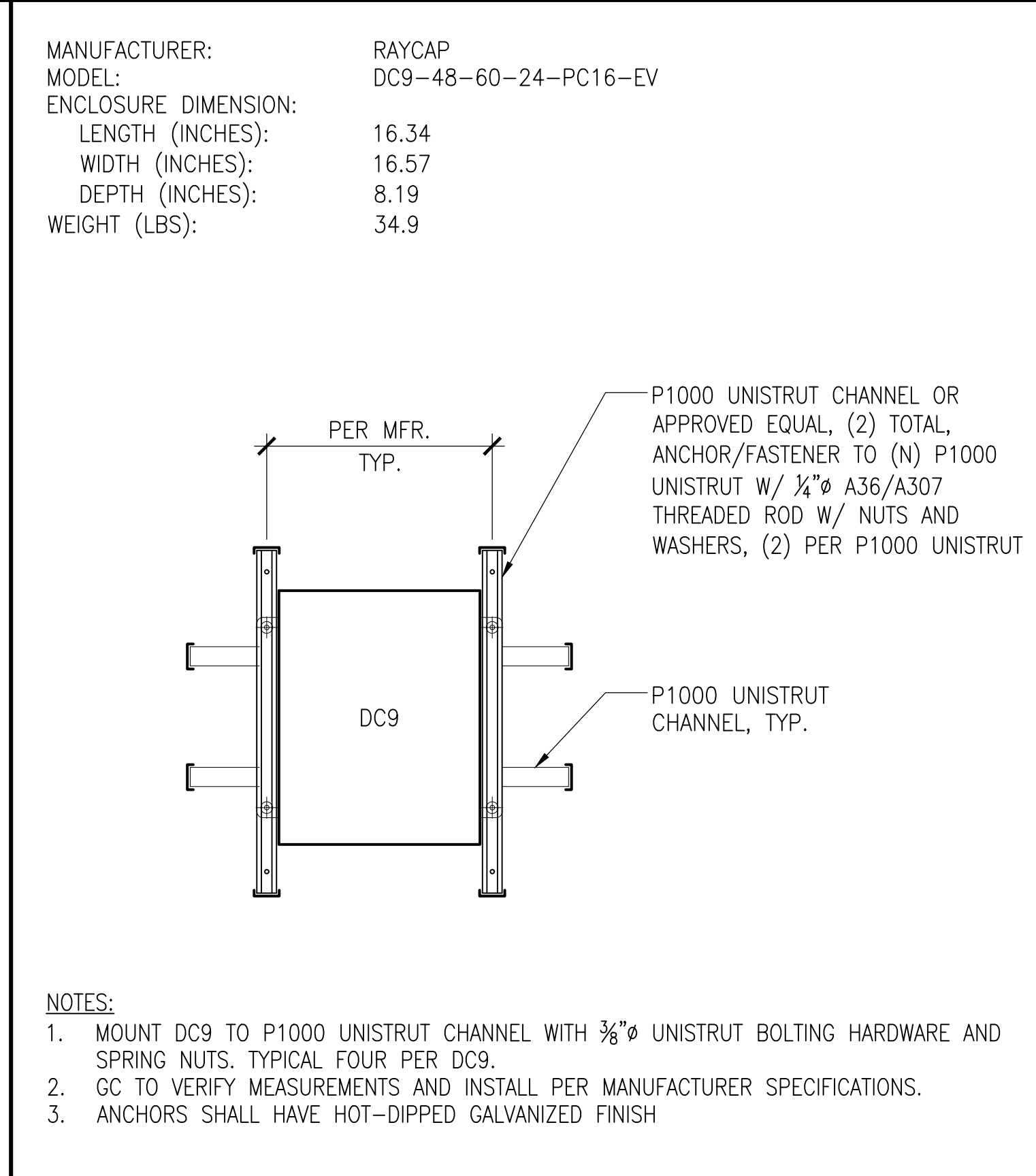
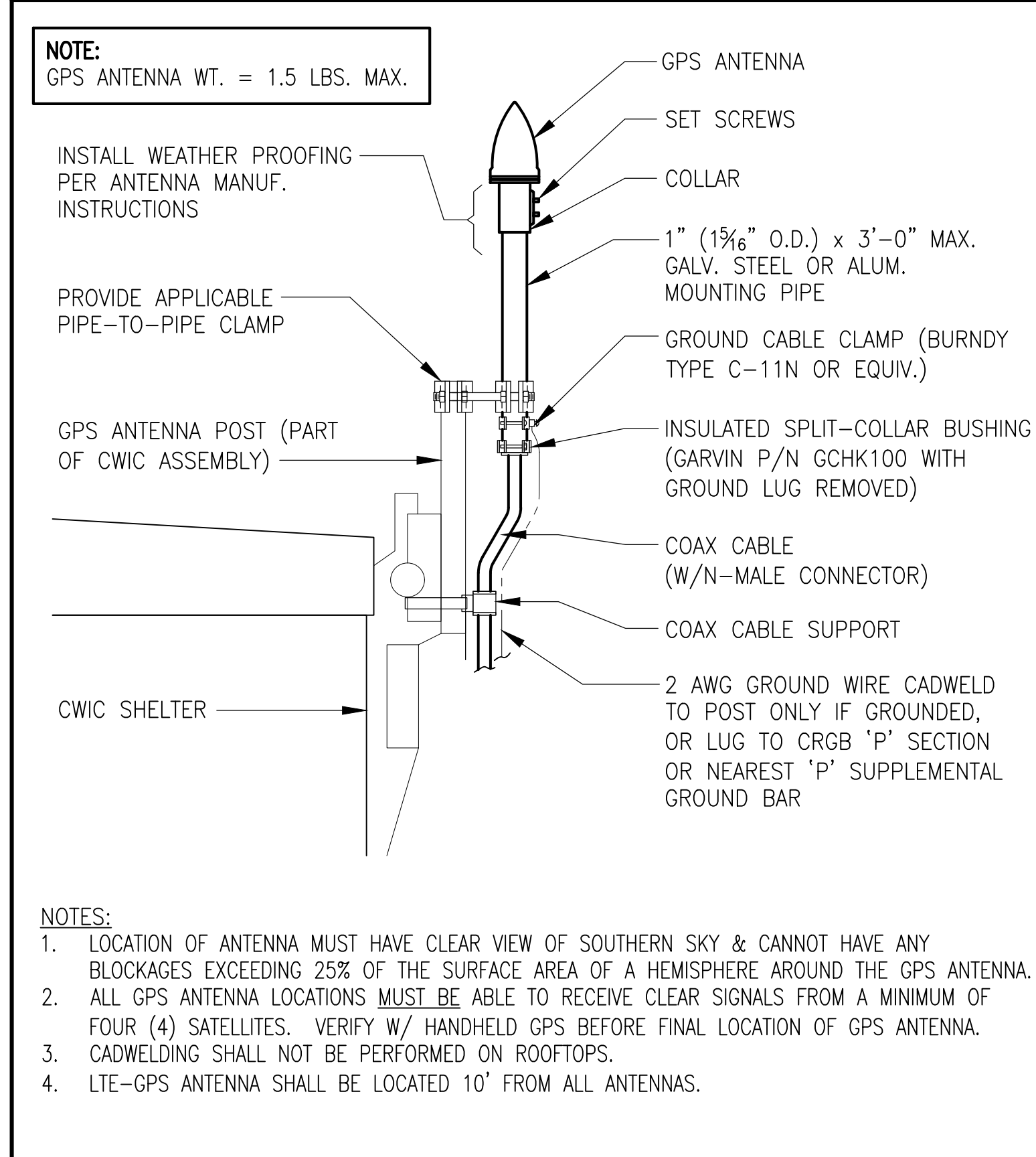


FRP PANEL ATTACHMENT AND FINISH SCALE: N.T.S. 7

ANTENNA SPECIFICATIONS SCALE: N.T.S. 5

ANTENNA SPECIFICATIONS SCALE: N.T.S. 3

ANTENNA MOUNTING DETAIL SCALE: N.T.S. 1



GPS ANTENNA SCALE: N.T.S. 8

DC SURGE SUPPRESSOR (DC9) NEMA SCALE: N.T.S. 6

ANTENNA SPECIFICATIONS SCALE: N.T.S. 4

ANTENNA PIPE MOUNTING SCALE: N.T.S. 2

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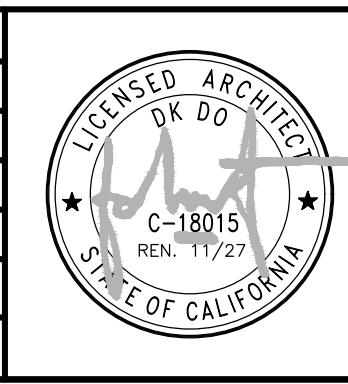
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SCALE		AS SHOWN	DESIGNED	DRAWN		

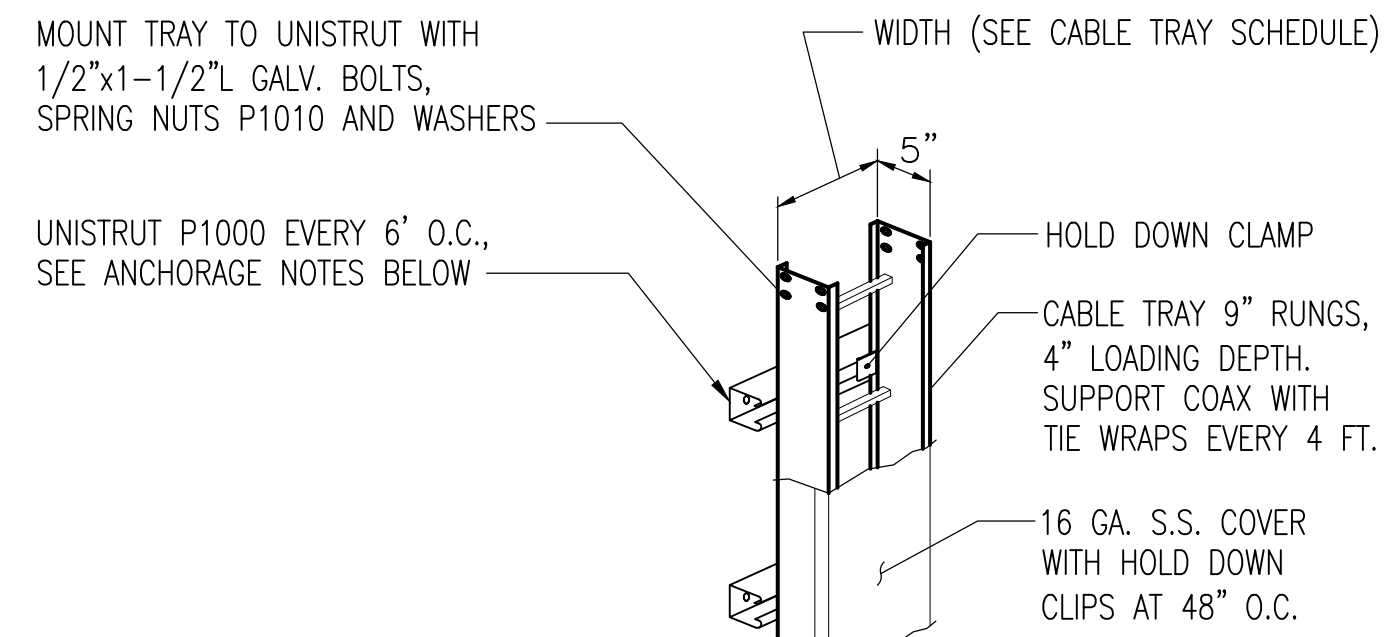


AT&T

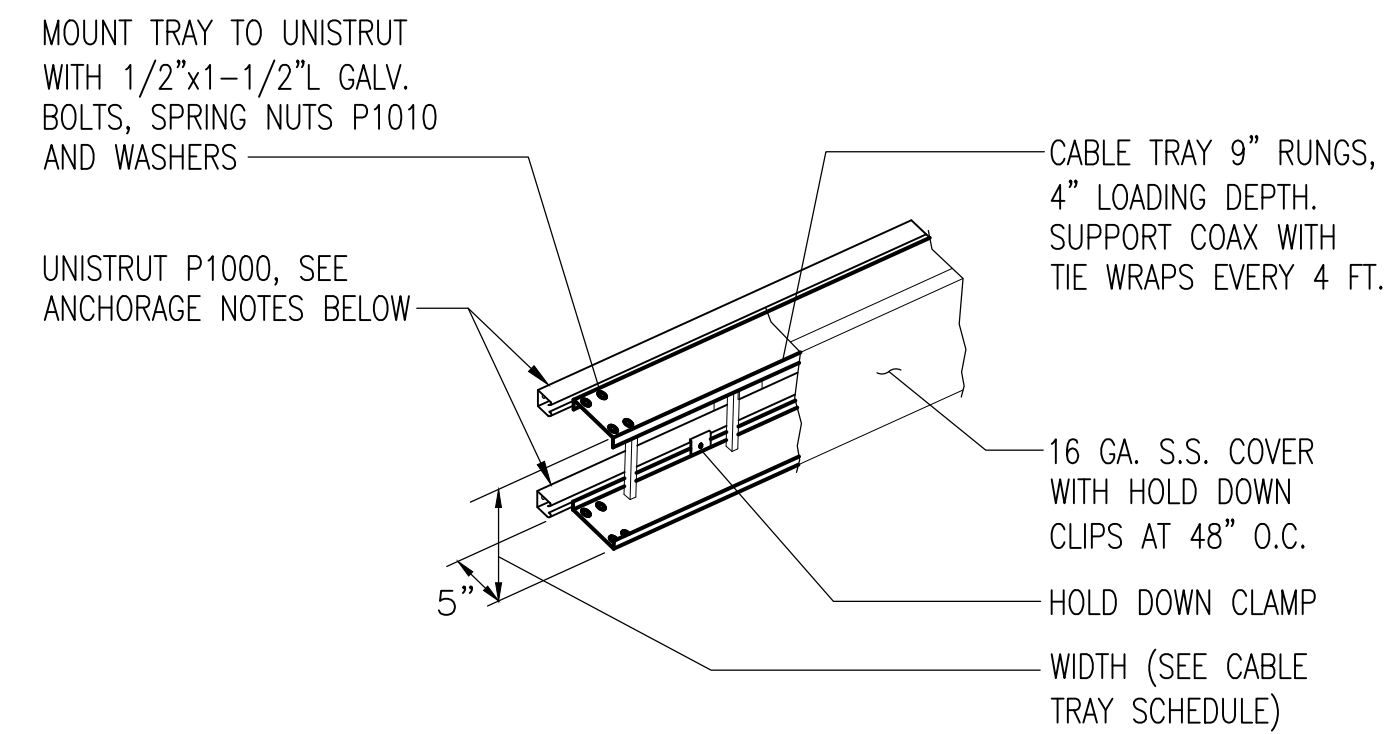
DETAILS

JOB NO. DRAWING NUMBER REV.

CX00021-D01 1



ELEVATION - VERTICAL



ELEVATION - HORIZONTAL

ANCHOR NOTES:

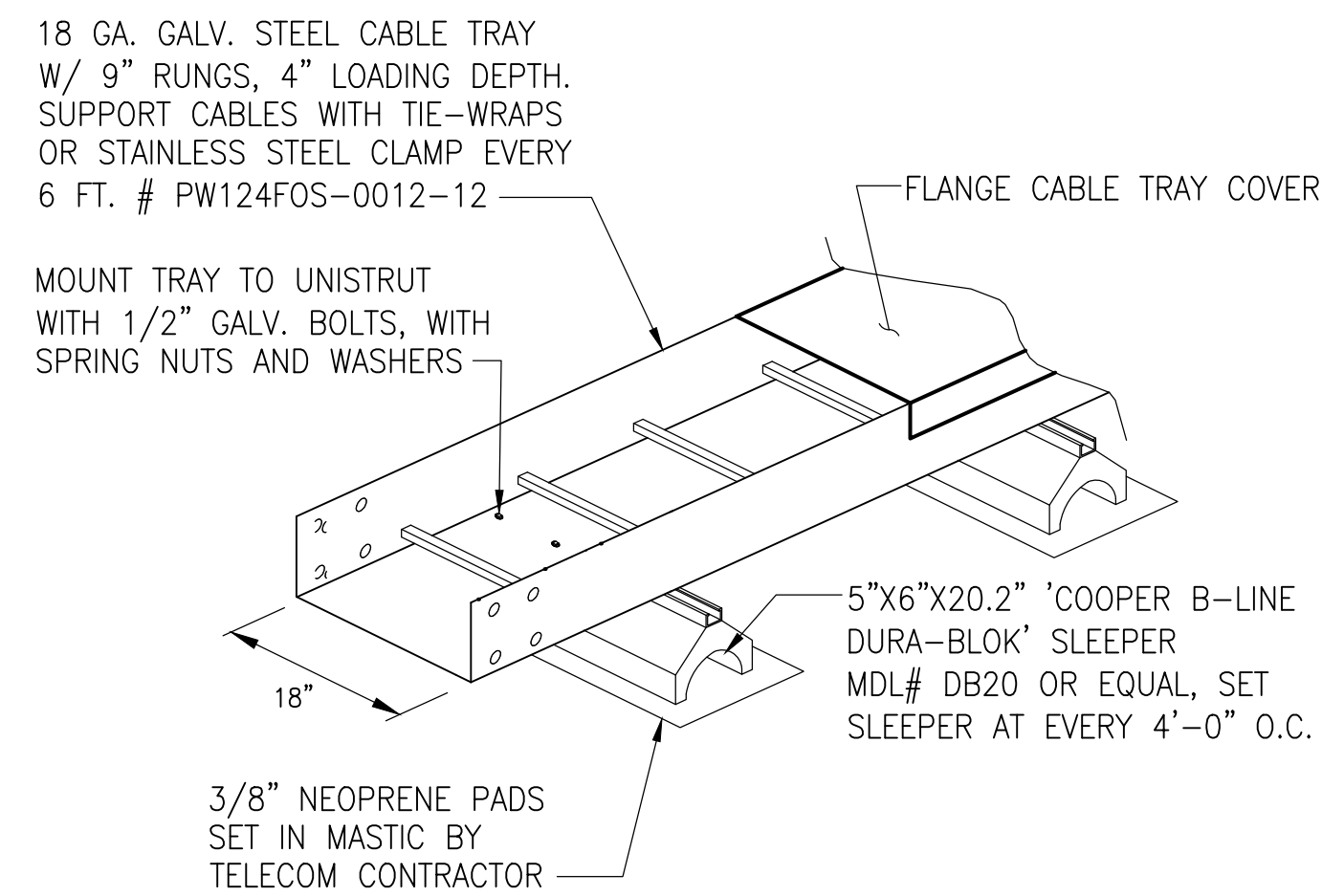
- INSTALL ANCHORS/FASTENERS A MAXIMUM OF 2'-0" ON CENTER AT EACH UNISTRUT:
 - WOOD STUDS - 1/4" LAG BOLT W/ 3" EMBEDMENT IN WOOD, INSTALL HORIZONTAL STRUTS AS REQUIRED FOR ADDITIONAL SUPPORT.
 - METAL STUDS - SS 1/2" A36/A307 THREADED ROD W/ NUTS AND WASHERS, SPAN 2 STUDS MIN., INSTALL HORIZONTAL STRUTS AS REQUIRED FOR ADDITIONAL SUPPORT.
 - FULLY GROUTED CMU - SS 1/2" HILTI KWIK BOLT T22 W/ 3-3/4" NOMINAL EMBEDMENT OR EQUIVALENT, ICC ESR-4561, SPECIAL INSPECTION REQ'D
 - CONCRETE - SS 1/2" HILTI KWIK BOLT T22 W/ 2-1/2" NOMINAL EMBEDMENT @ 2'-0" O.C., (ICC ESR-4266), SPECIAL INSPECTION REQ'D
- PROVIDE SILICONE SEALANT AT ALL PENETRATIONS EXPOSED TO WEATHER WHEN REQ'D

CABLE TRAY COVER NOTE:

WHEN CABLE TRAY COVERS ARE SPECIFIED, THEY SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS INSTALLATION PROCEDURES AND INSTRUCTIONS FOR 'HIGH WIND CONDITIONS'. THIS INCLUDES CONNECTOR TYPE AND SPACINGS.

CABLE TRAY SCHEDULE				
# OF CABLES	7/8"	1 1/4"	1 5/8"	2 1/4"
1-8	12"	18"	18"	24"
8-16	24"	24"	36"	36"
16-24	24"	36"	36"	48"

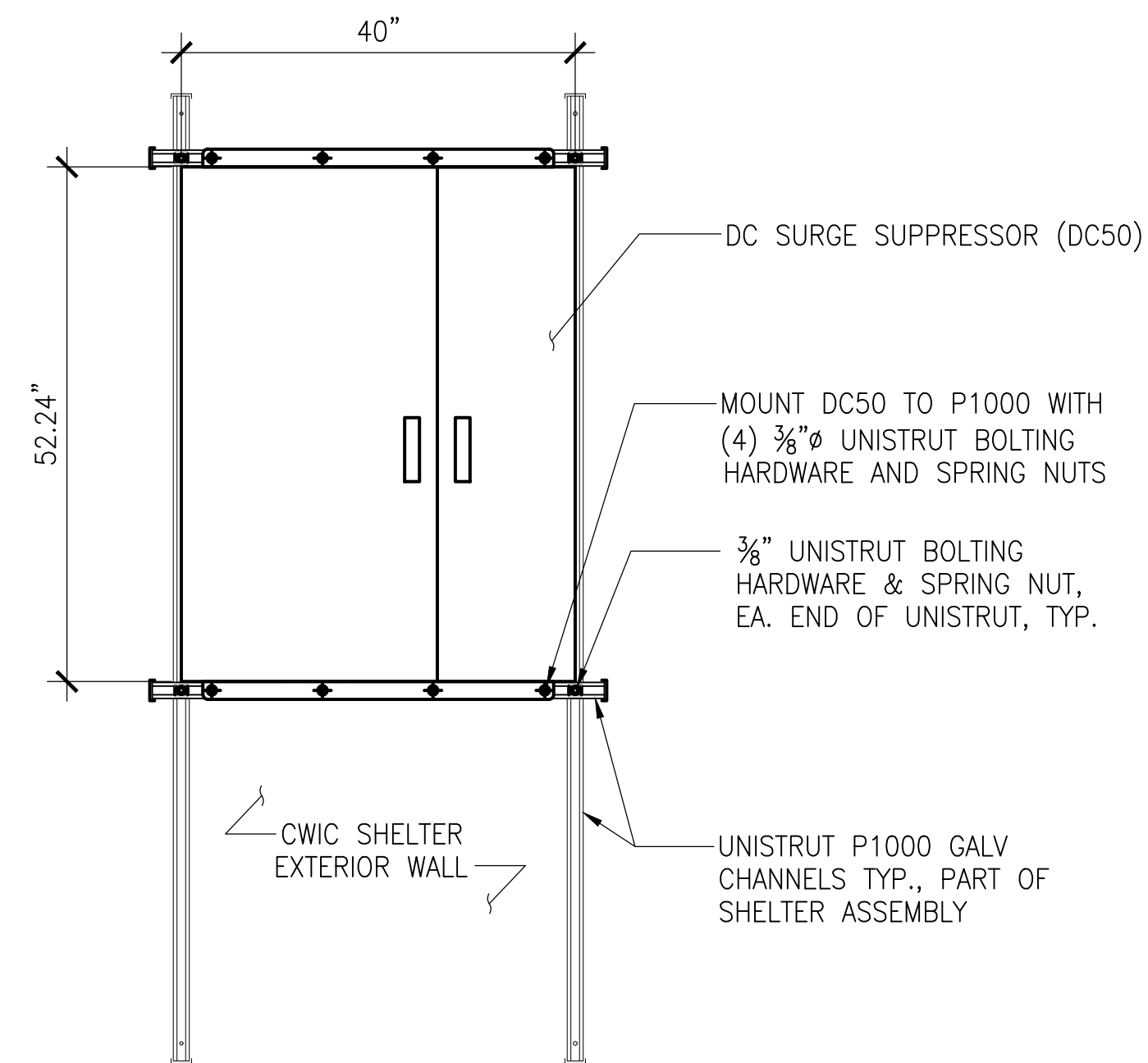
- NOTES:**
- RUN #2 AWG BCW GROUND CONDUCTOR ALONG CABLE TRAY AND GROUND AT BOTH ENDS.
 - CABLE TRAYS SHALL BE FREE OF SHARP OBJECTS AND BURRS WHICH COULD DAMAGE CABLES.



ROOF MOUNTED CABLE TRAY

SCALE: N.T.S 5

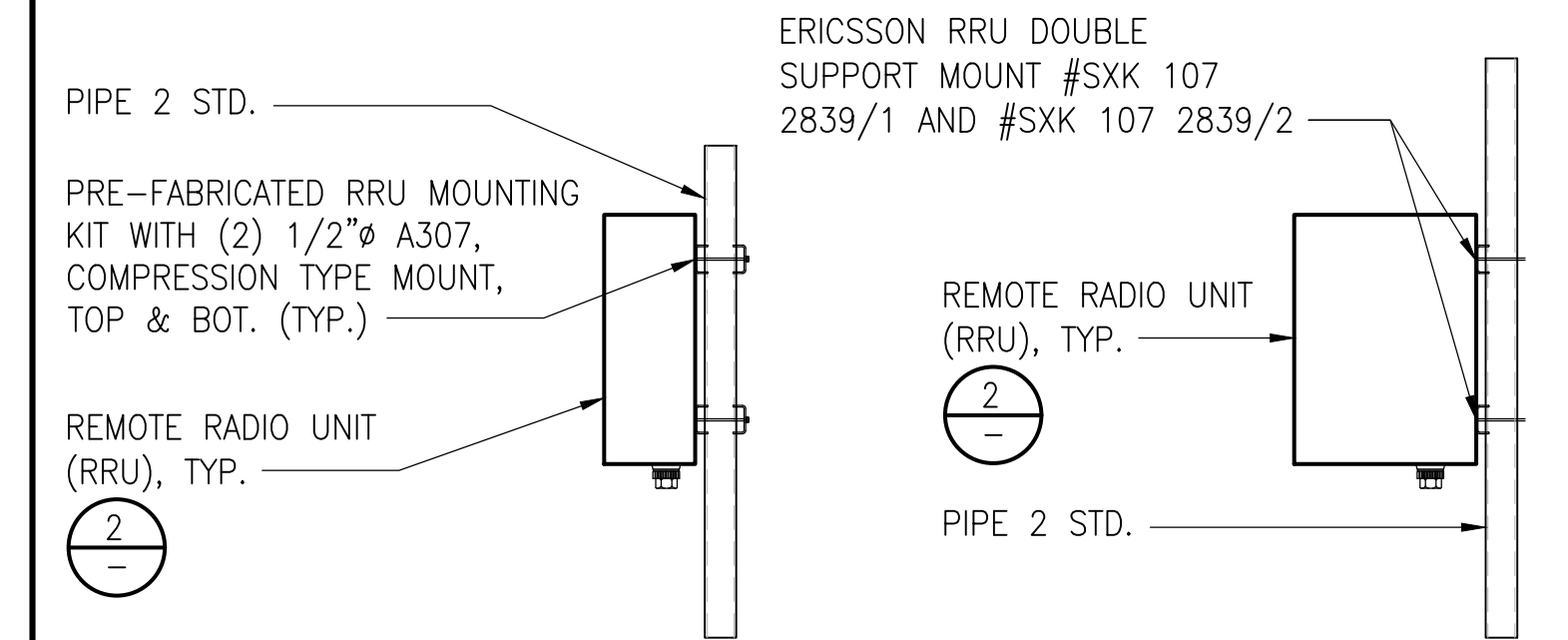
MANUFACTURER: RAYCAP
 MODEL: DC50-48-60-96-50F
 HEIGHT: 52.24"
 WIDTH: 40"
 DEPTH: 8.91"
 WEIGHT: 150 LBS



DC50 SURGE SUPPRESSOR

SCALE: N.T.S 3

- NOTES:**
- GC TO REFER TO RFDS FOR EXACT MODEL
 - GROUND ALL ANTENNA, RRU'S TO GROUND BAR WITH #2 AWG, SEE SHEET GN03 FOR GROUNDING NOTES
 - ANCHOR SHALL HAVE HOT-DIPPED GALVANIZED FINISH

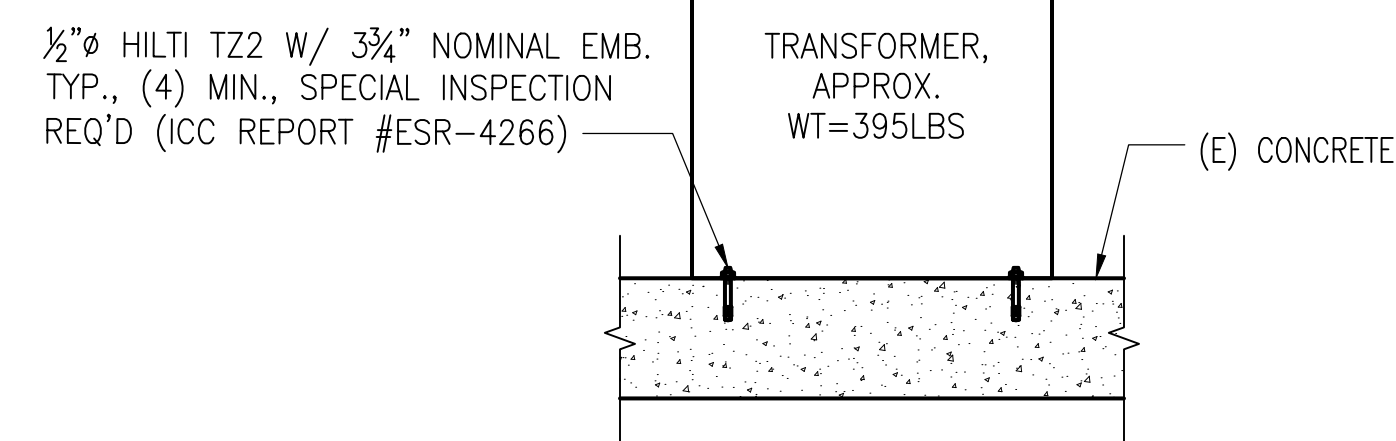


OPTION - A

OPTION - B

RRU MOUNTING DETAIL

SCALE: N.T.S 1



NOTES:

- CONTRACTOR TO VERIFY BOLTING TEMPLATE WITH TRANSFORMER MANUFACTURER PRIOR TO INSTALLATION
- MAINTAIN 3" MIN. FROM ANY EDGE OF CONCRETE

TRANSFORMER ANCHORAGE

SCALE: N.T.S 6

ATTACH PANELS TO P1000 WITH SS 1/2" HEXBOLT WITH LOCKNUT AND WASHER, TYP. (VERIFY BOLTING TEMPLATE W/ MFR)

P1000T UNISTRUT WITH END CAPS, (5) TOTAL

3/8" HILTI KB T22 (SS-304) WITH 3" NOM. EMB., ICC ESR-4561 AT 2'-0" O.C. MAX.

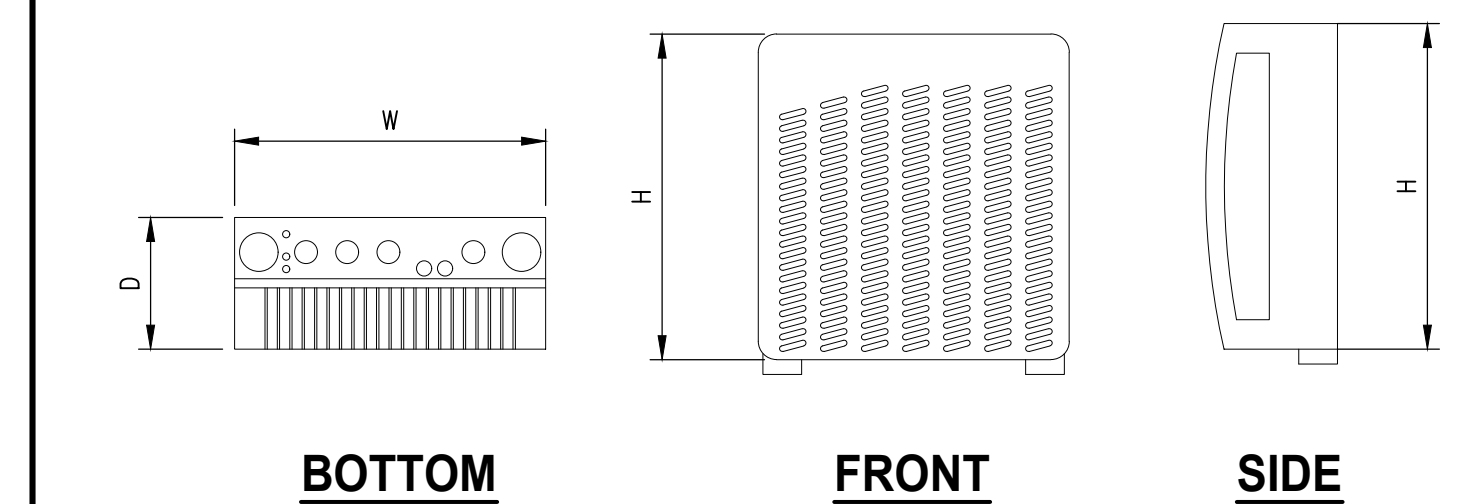
EXISTING 8" FULLY GROUTED CMU WALL

NOTE:

- ALL STEEL AND/OR MALLEABLE IRON PARTS, ACCESSORIES, AND FASTENERS SHALL BE HOT DIPPED GALVANIZED FOR RUST PROOFING.

WALL MOUNTED PANELS

SCALE: N.T.S 4



EQUIPMENT SPECIFICATIONS					
TYPE	MODEL NO.	HEIGHT	WIDTH	DEPTH	WEIGHT
LTE RRU	RRUS-4490 B5/B12A	17.5"	15.1"	6.8"	68LBS
LTE RRU	RRUS-4890 B25/B66	17.5"	15.1"	6.9"	68LBS
LTE RRU	RRUS-4494 B14/B29	20.55"	15.63"	5.87"	57.32LBS

NOTE:
1. GC TO REFER TO RFDS FOR EXACT MODEL

REMOTE RADIO UNIT (RRU)

SCALE: N.T.S 2

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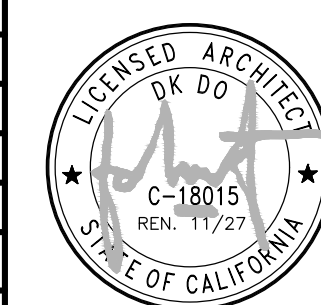
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 (FORMALLY LAD233 FA#10086989)
 PACE#: MRLOS096185 | FA#: 15791117 | USID#: TBD
 26111 ANTONIO PARKWAY
 RANCHO SANTA MARGARITA, CA 92688

AT&T
 1452 EDINGER AVENUE, 3RD FLOOR
 TUSTIN, CA 92780

NO.	DATE	REVISIONS	BY	CHK	APP'D
1	04/09/26	MINOR PLAN CHECK COMMENTS	RF	BOK	DKD
0	11/14/25	ADDRESS PLAN CHECK COMMENTS	RF	BOK	DKD
A	09/19/25	ISSUED FOR CD REVIEW AND COMMENTS	RF	BOK	DKD

SCALE AS SHOWN DESIGNED DRAWN

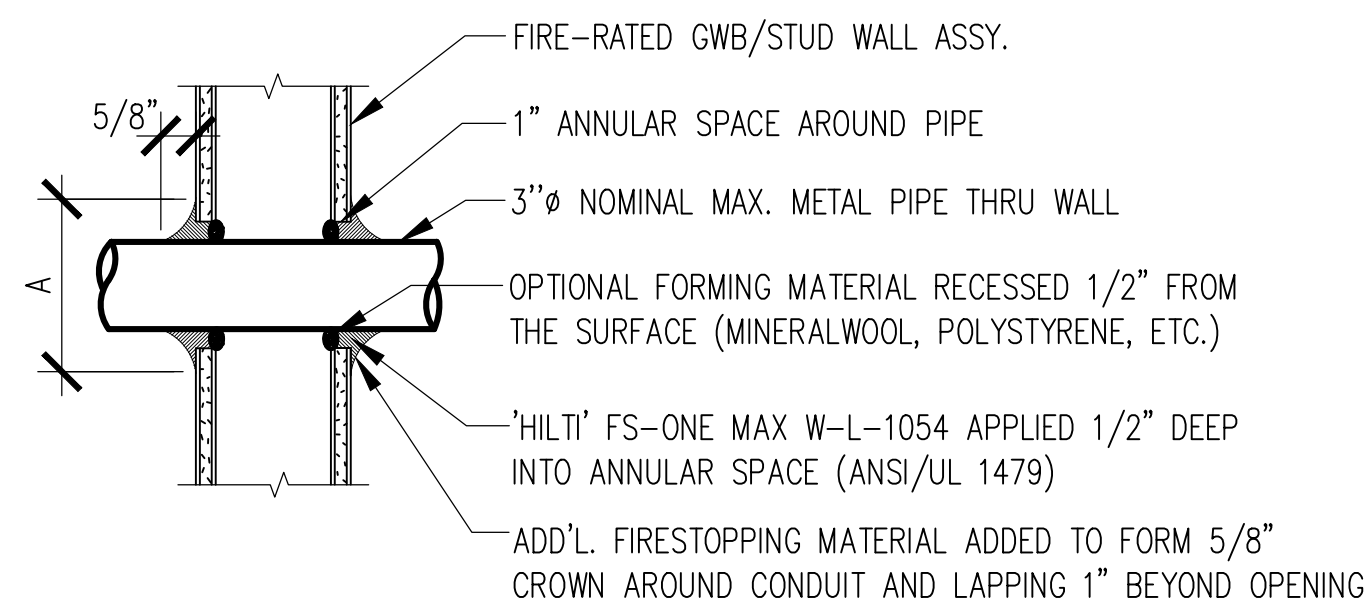


AT&T

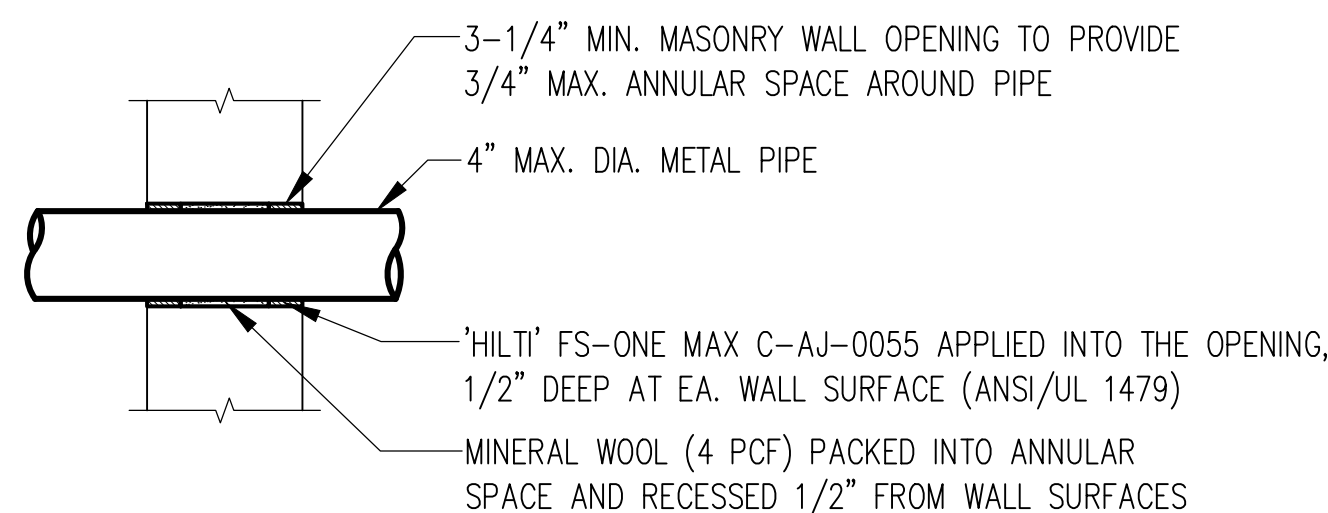
DETAILS

JOB NO.	DRAWING NUMBER	REV.
	CX00021-D02	1

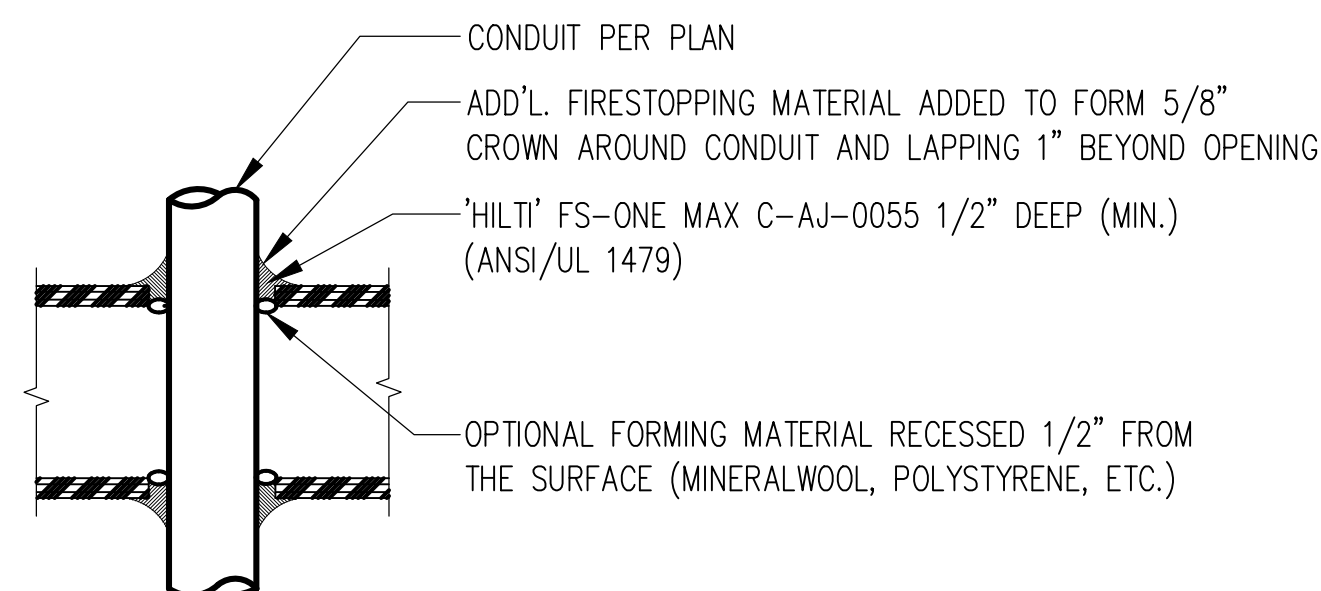
"A" = DIA. OF CROWN
(CROWN DIAMETER TO BE THE DIAMETER OF THE WALL OPENING PLUS 1")



FRAMED WALL PENETRATION



MASONRY/ CONCRETE WALL PENETRATION



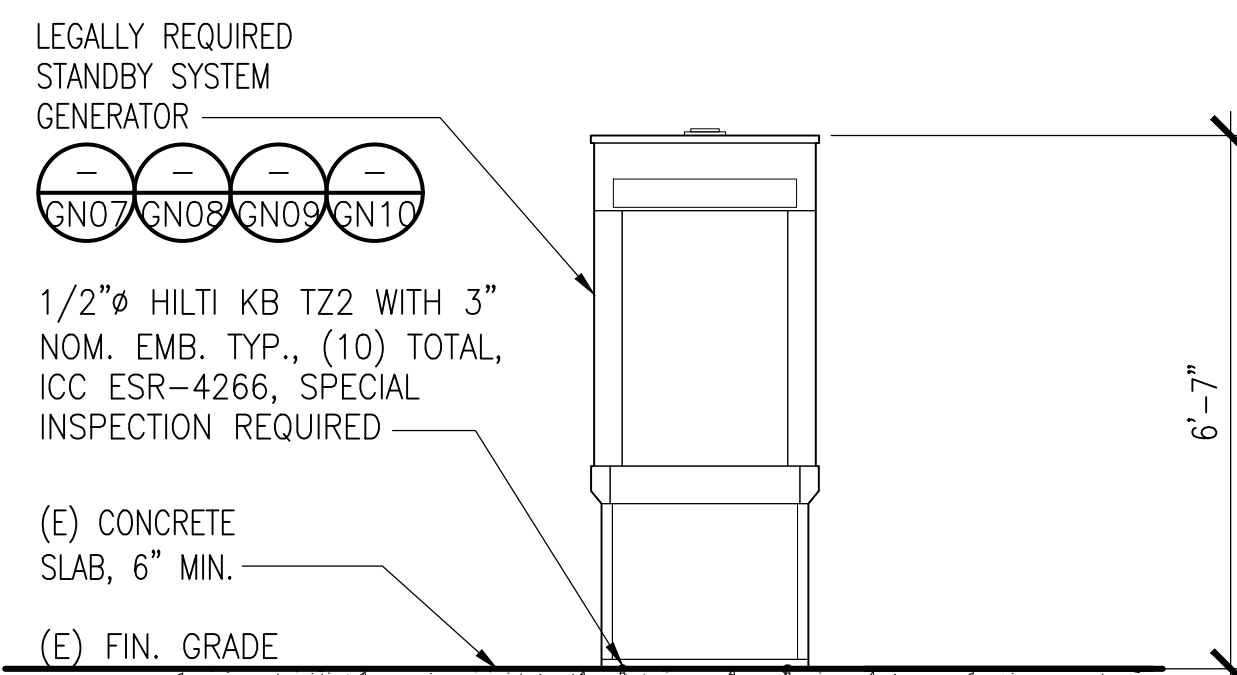
FLOOR PENETRATION

NOTES:

- PENETRATIONS THRU RATED WALL ASSEMBLIES SHALL COMPLY WITH T24, CBC SECTION 709.6 AS FOLLOWS:
F RATING - PENETRATIONS 4"Ø OR LESS
T RATING - PENETRATIONS LARGER THAN 4"Ø, PENETRATIONS AT CORRIDOR CEILINGS WHICH ARE NOT RATED, BELOW ANY CEILING.
- PENETRATIONS THRU RATED FLOOR/CEILING ASSEMBLIES SHALL COMPLY WITH T24, CBC SECTION 710.3 AS FOLLOWS:
F RATING - PENETRATIONS 4"Ø OR LESS
T RATING - PENETRATIONS LARGER THAN 4"Ø, PENETRATIONS NOT CONTAINED WITHIN A WALL.
- ALL PENETRATIONS THROUGH RATED BUILDING ASSEMBLIES SHALL CONFORM TO TITLE 24, CALIF. BLDG. CODE, SECTION 714.

*** NEW CORE SHALL AVOID DAMAGE TO ALL EXISTING STEEL REINFORCEMENTS ***

GENERAC 20KW AC GENERATOR SPECS:
DIMENSION
LENGTH: 106"
WIDTH: 38.0"
HEIGHT: 78.9"
TOTAL WEIGHT: 5,660 LBS (GENERATOR AND FUEL)



GENERATOR SPECS AND ANCHORAGE

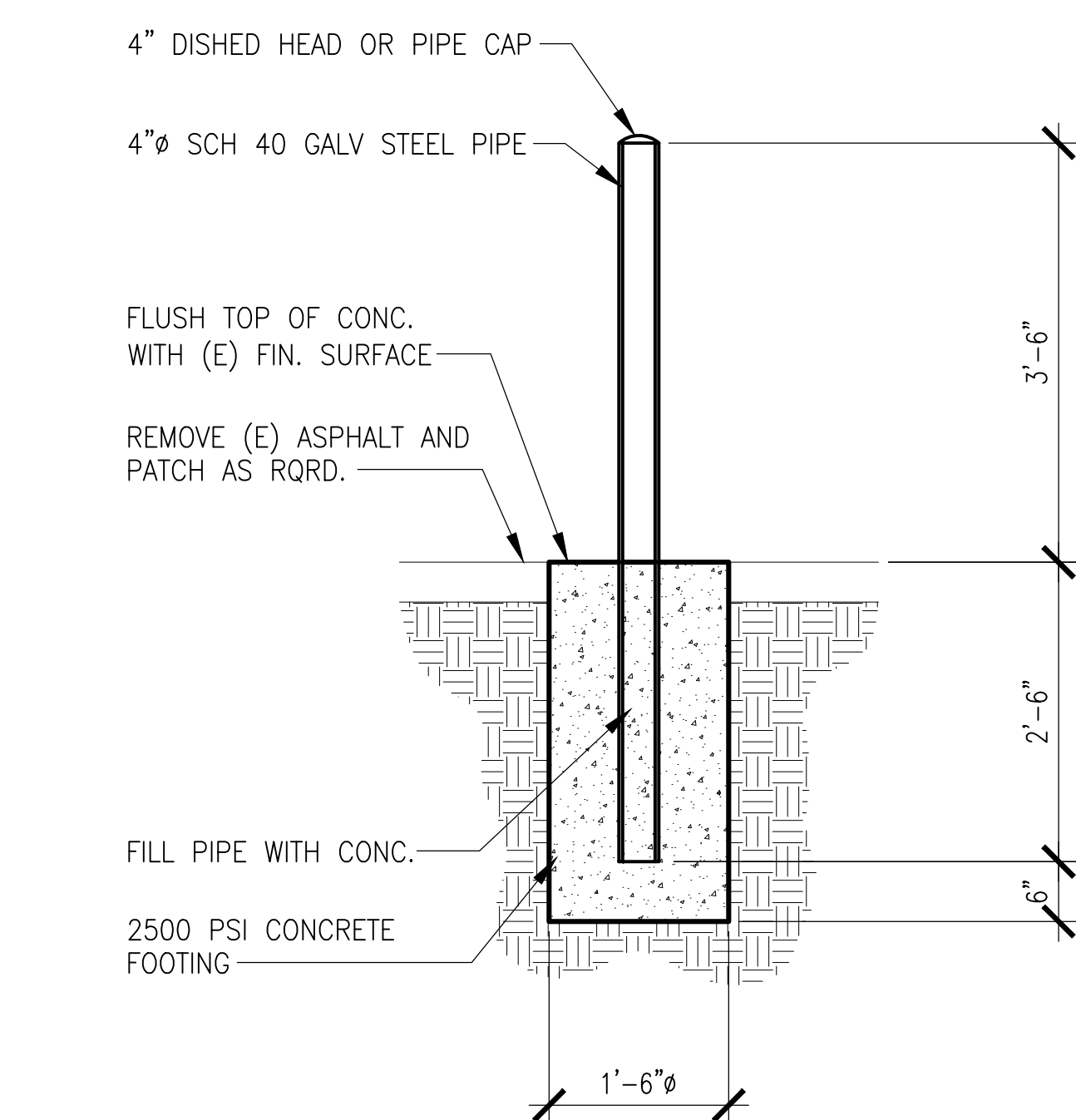
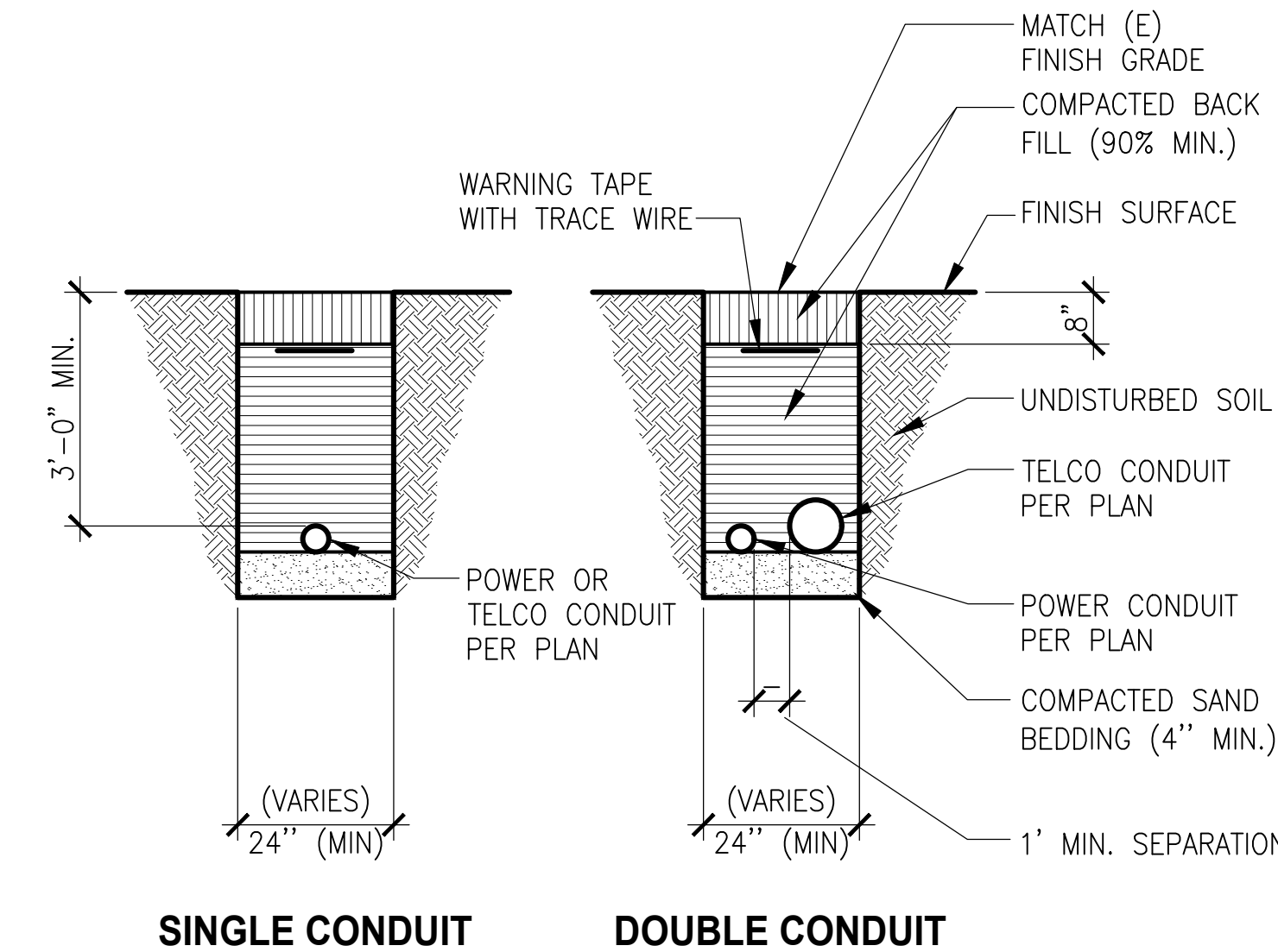
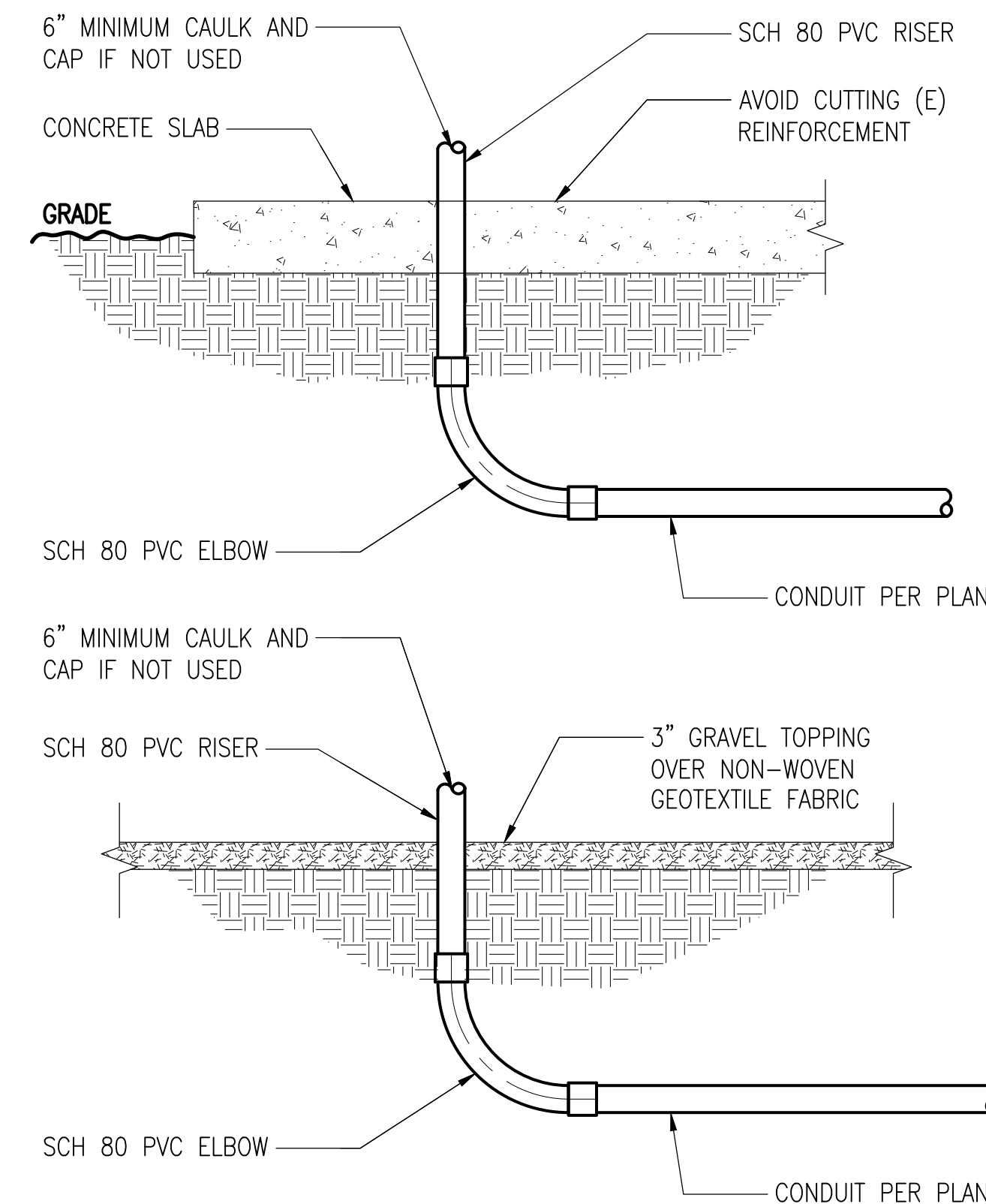
SCALE: N.T.S. 5

CONDUIT STUB-UP

SCALE: N.T.S. 3

UNDERGROUND POWER & TELCO CONDUITS

SCALE: N.T.S. 1



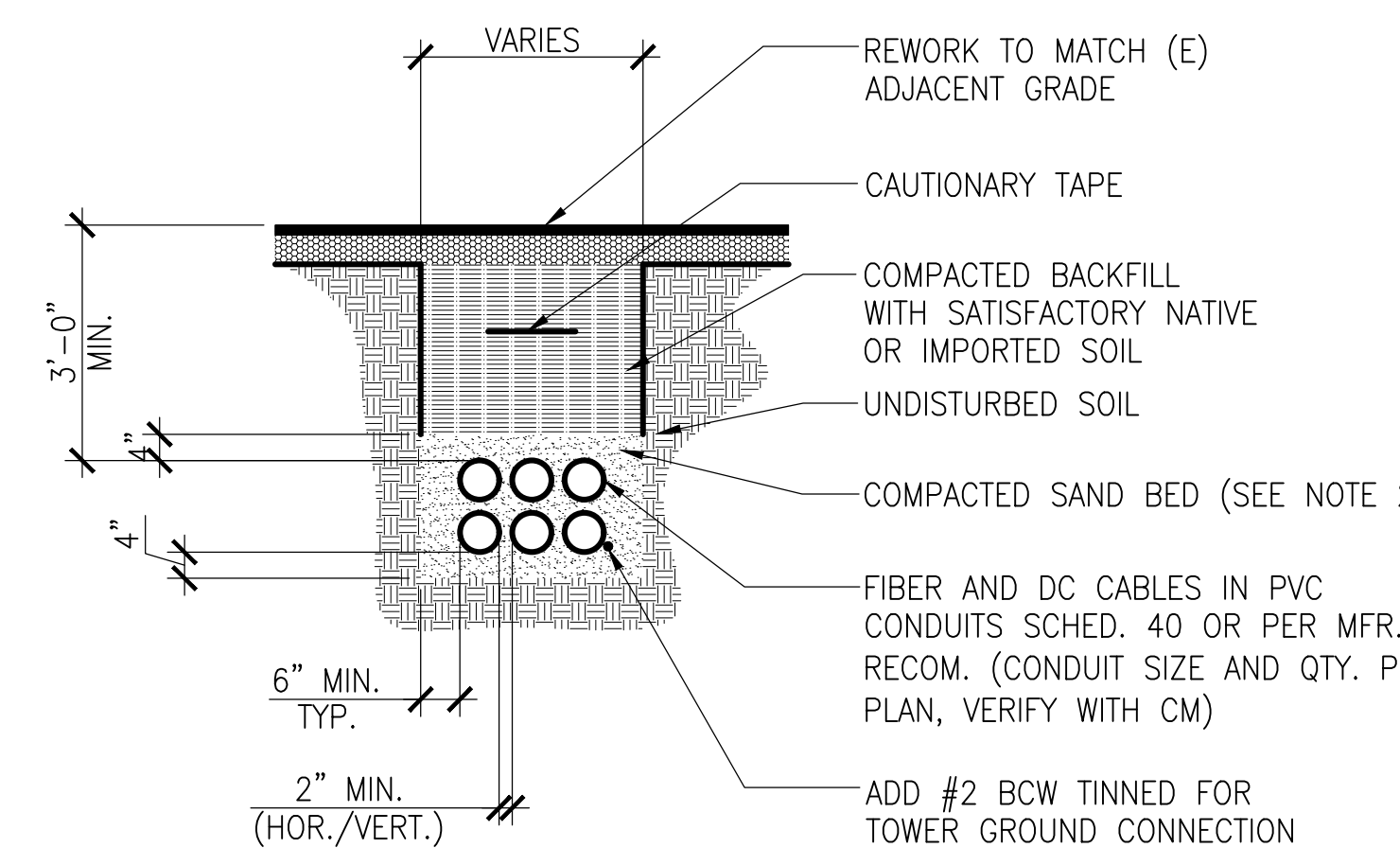
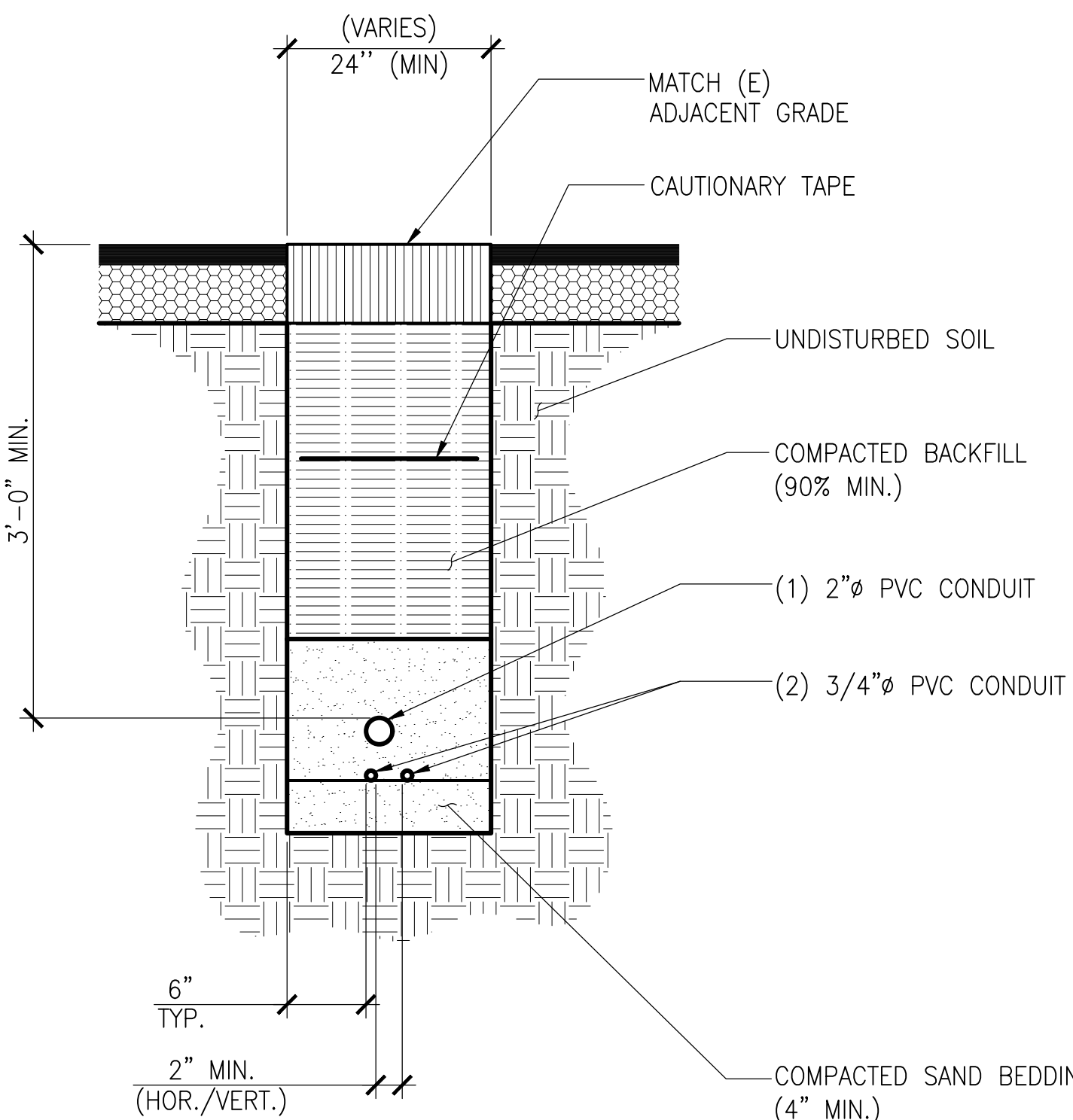
SCALE: N.T.S. 6

U.G. GENERATOR CONDUITS

SCALE: N.T.S. 4

FIBER & DC CONDUIT TRENCH

SCALE: N.T.S. 2



NOTES:

- PROVIDE PROPER BENDING RADIUS FOR CONDUITS AS REQ'D BY THE CABLE MFR. (SEE TABLE)
- LEAN CONC. W/ RED TINTED TOP MAY BE USED IN PLACE OF COMPACTED SAND.

FIRE STOPPING

SCALE: N.T.S. 7

BOLLARD DETAIL

SCALE: N.T.S. 6

U.G. GENERATOR CONDUITS

SCALE: N.T.S. 4

FIBER & DC CONDUIT TRENCH

SCALE: N.T.S. 2

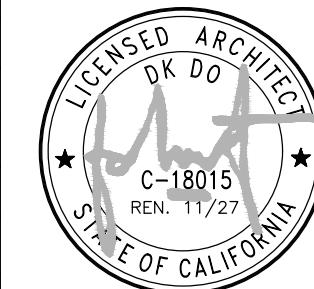
DCI PACIFIC
A|E|C WORKS

ARCHITECTURE | ENGINEERING | CONSULTING
38 EXECUTIVE PARK | SUITE 240
IRVINE | CA 92614

CX00021
SMWD DHQ ROOFTOP
(FORMALLY LAD233 FA#10086989)
PACE#: MRLOS096185 | FA#: 15791117 | USID#: TBD
26111 ANTONIO PARKWAY
RANCHO SANTA MARGARITA, CA 92688

AT&T
1452 EDINGER AVENUE, 3RD FLOOR
TUSTIN, CA 92780

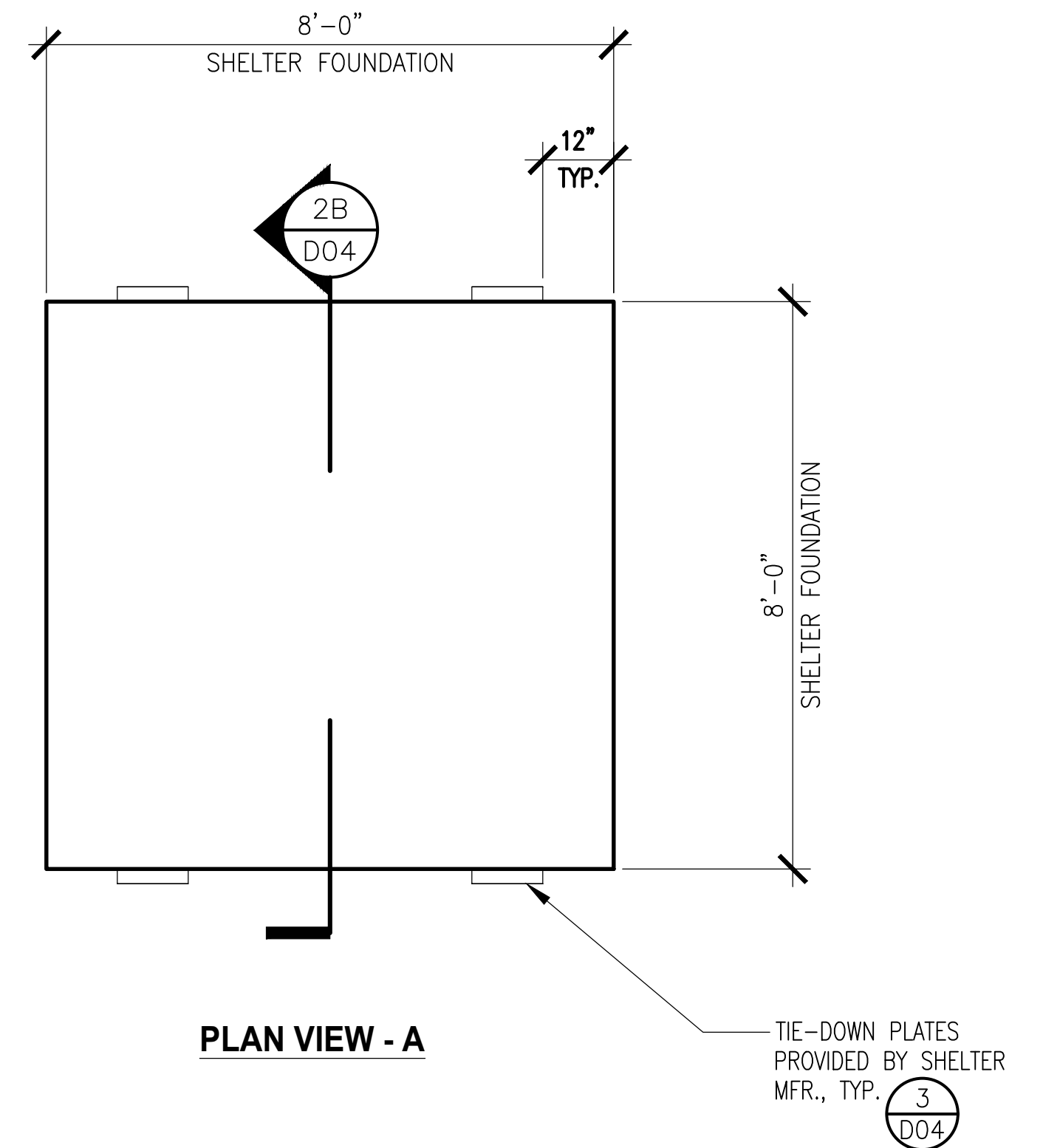
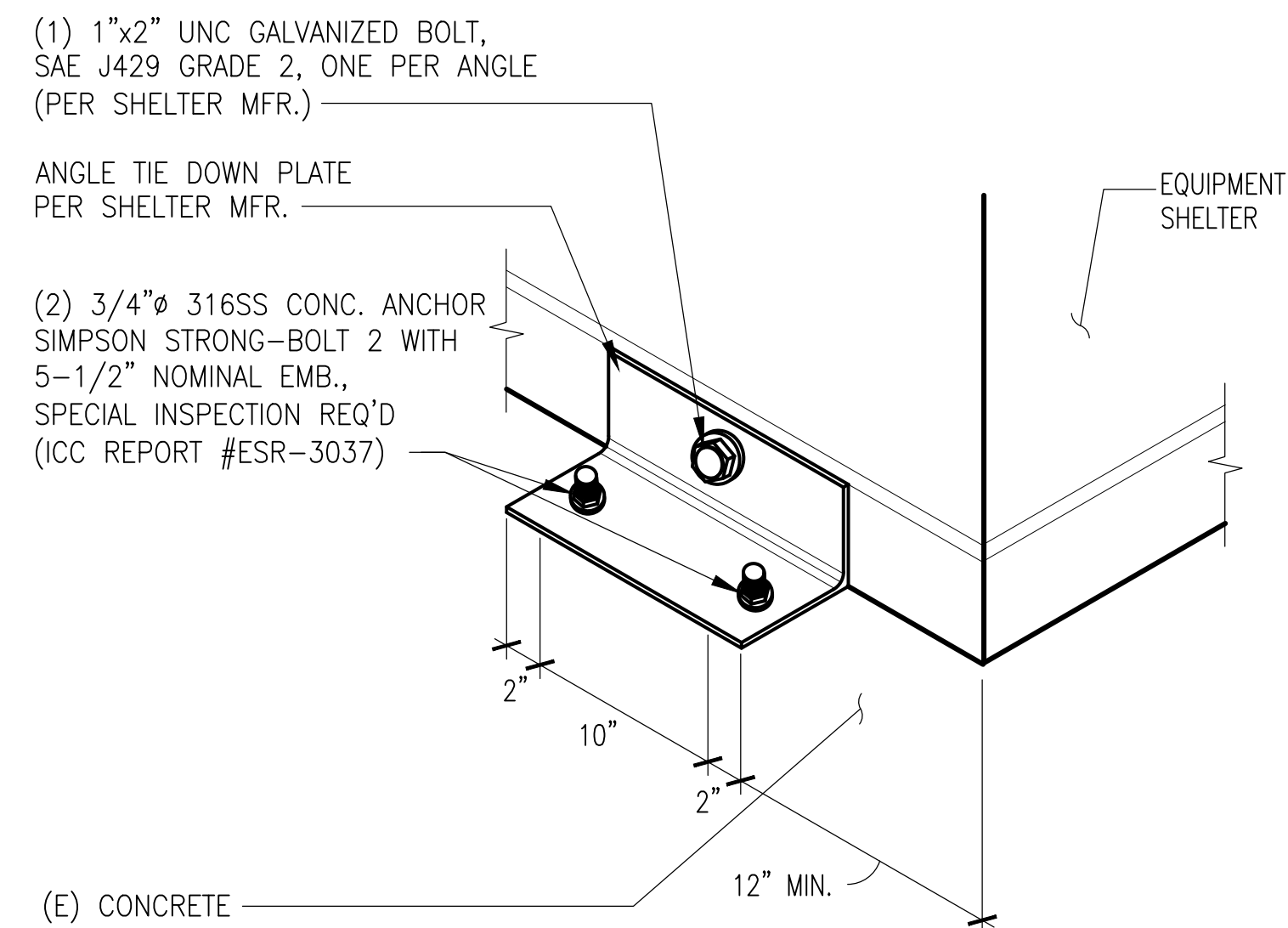
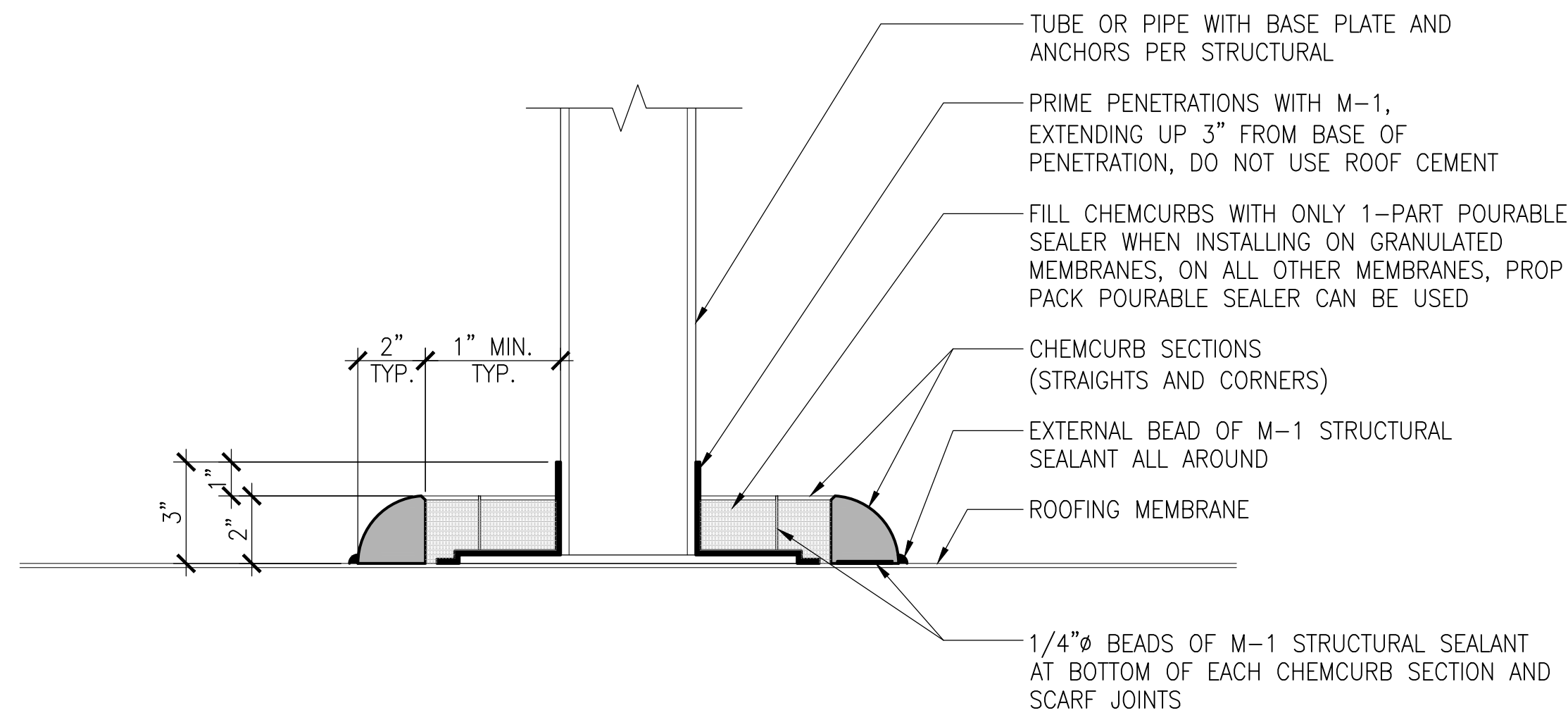
NO.	DATE	REVISIONS	BY	CHK	APP'D
1	04/09/26	MINOR PLAN CHECK COMMENTS	RF	BOK	DKD
0	11/14/25	ADDRESS PLAN CHECK COMMENTS	RF	BOK	DKD
A	09/19/25	ISSUED FOR CD REVIEW AND COMMENTS	RF	BOK	DKD
NO.	DATE	REVISIONS	BY	CHK	APP'D
SCALE	AS SHOWN	DESIGNED	DRAWN		



DETAILS

JOB NO. DRAWING NUMBER REV.
CX00021-003 1

NOTE:
CHEMCURB TO BE INSTALLED IN STRICT CONFORMANCE WITH MANUFACTURER RECOMMENDATIONS.



WATERPROOFING SECTION (AT TUBE OR PIPE BASE)

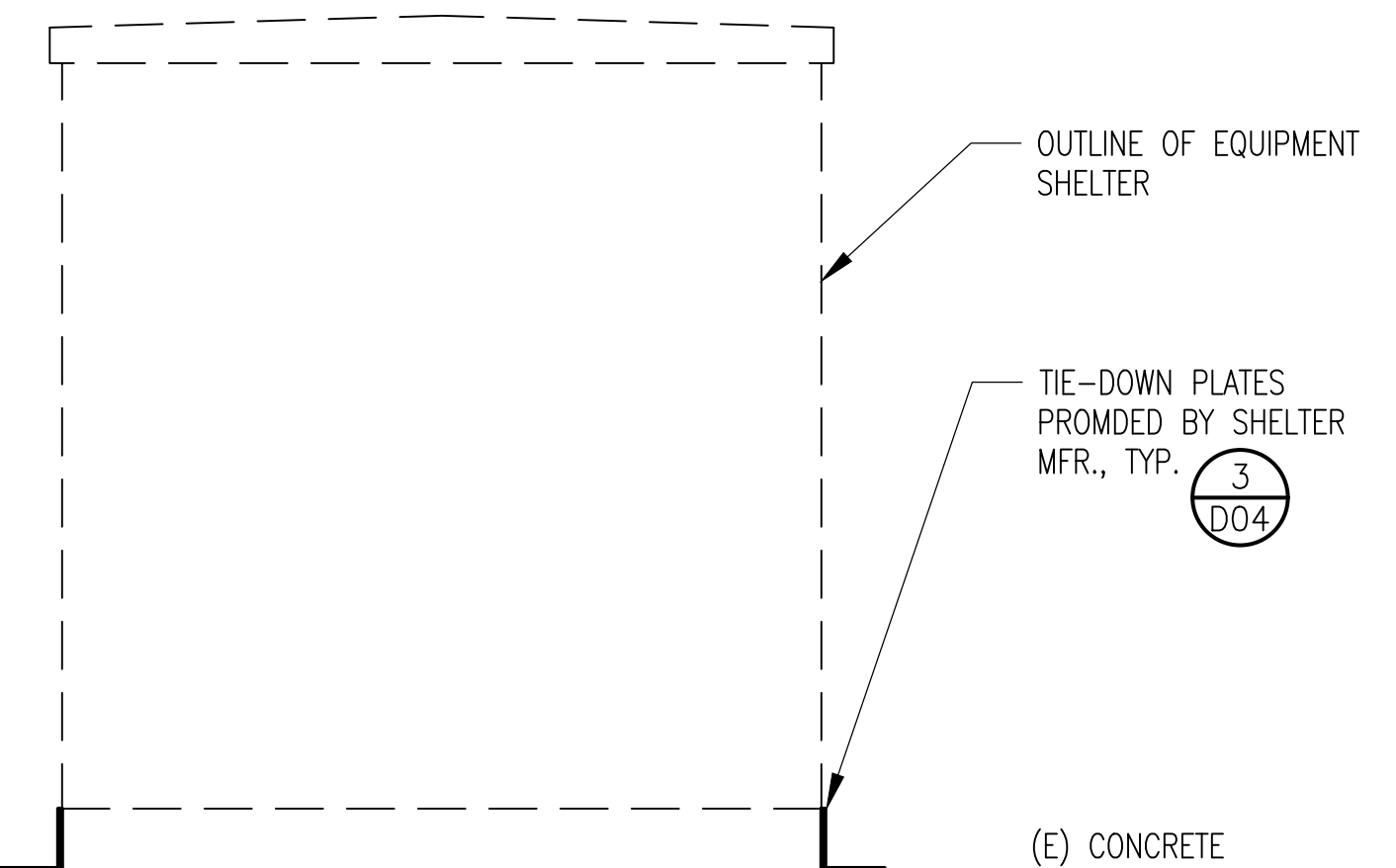
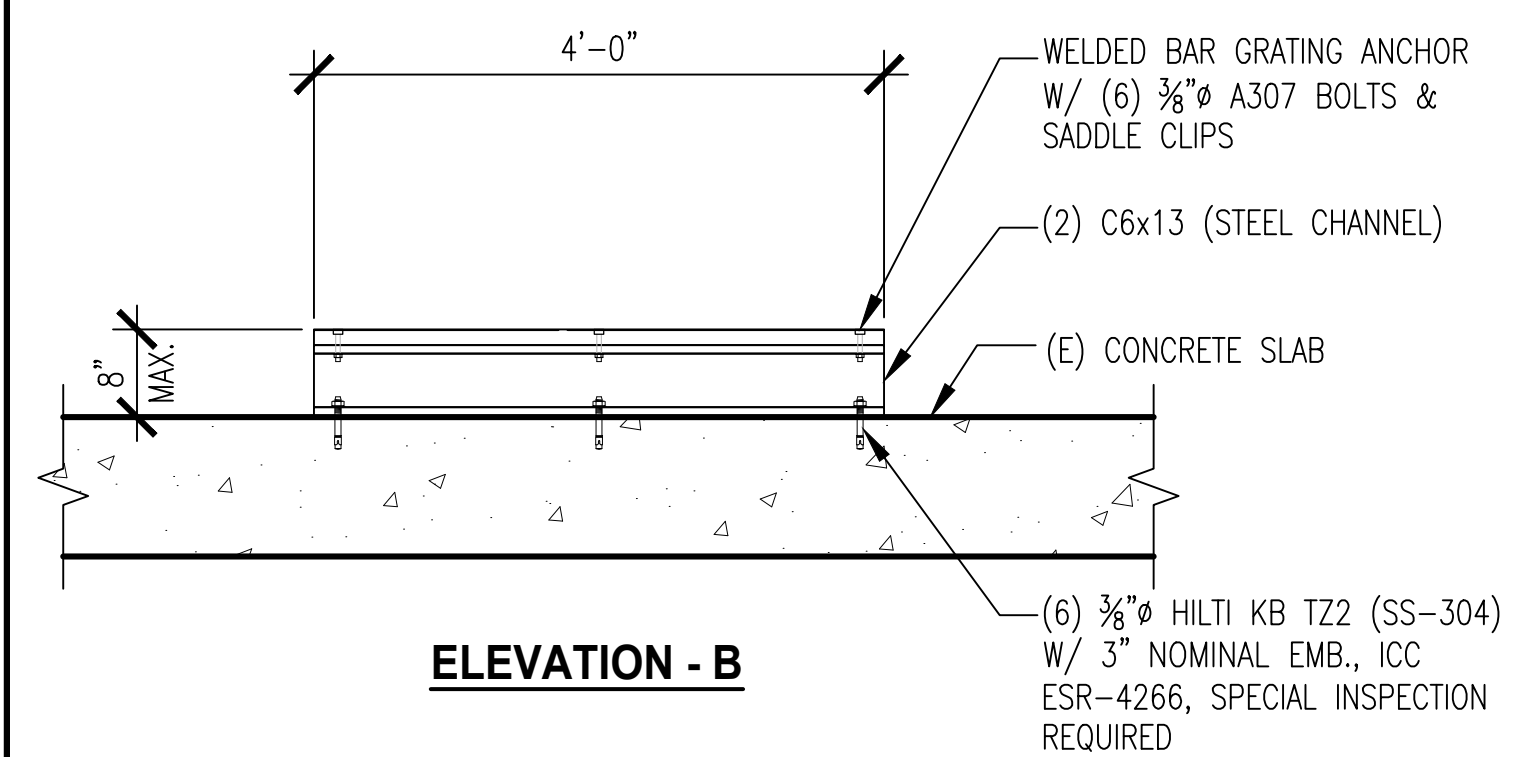
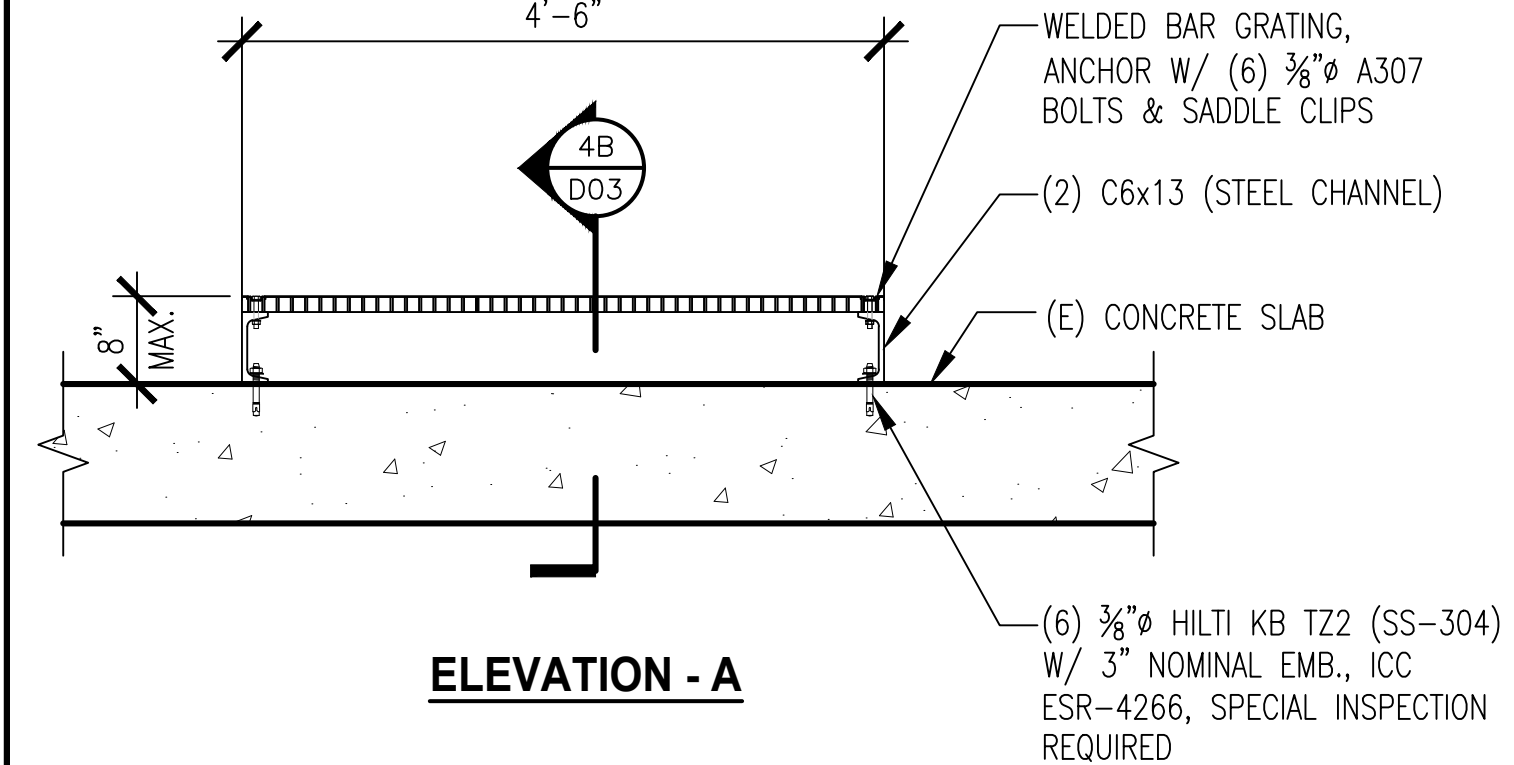
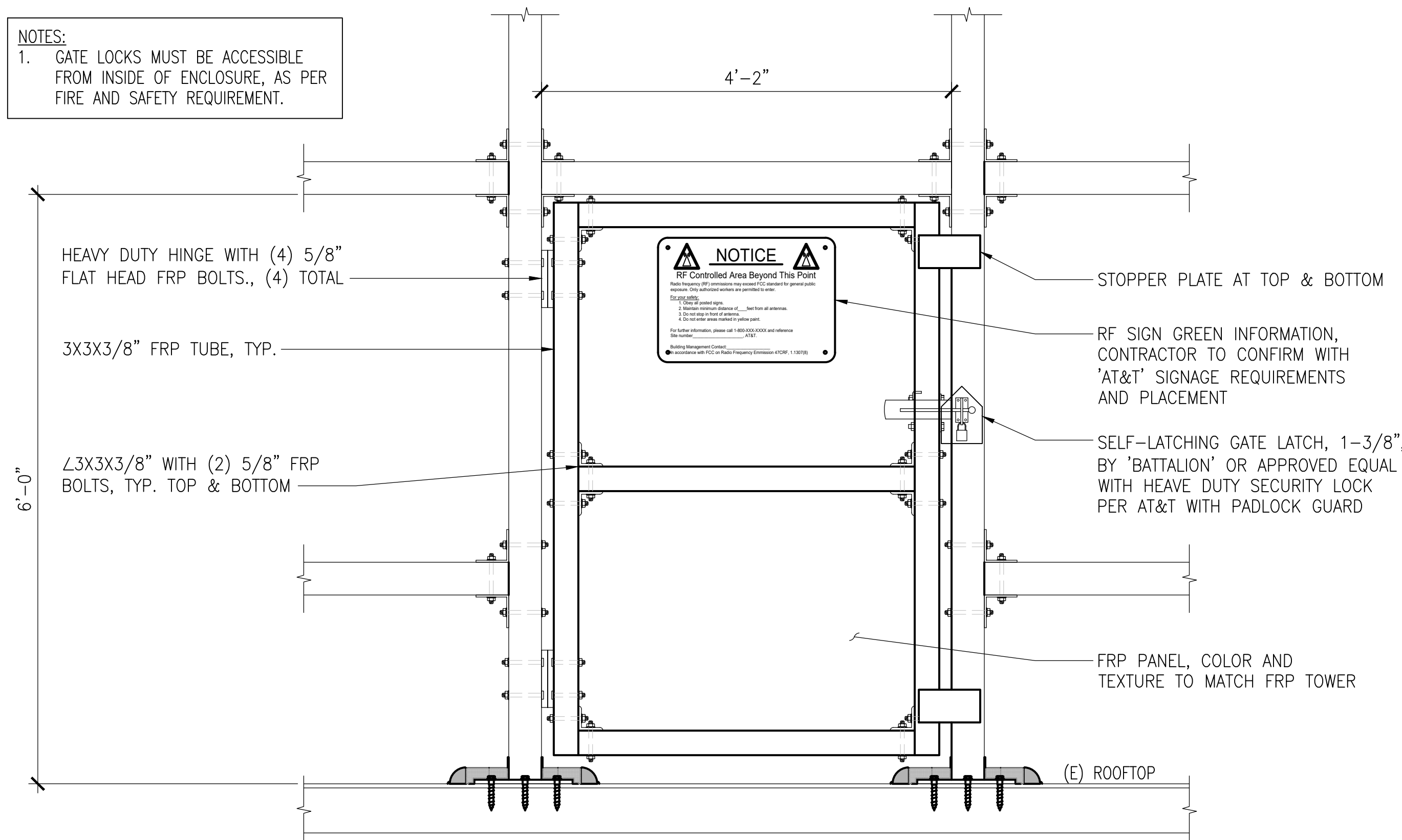
SCALE: N.T.S 5

SHELTER TIE-DOWNS

SCALE: N.T.S 3

CWIC 8'x8' SPECS:
DIMENSION
LENGTH: LENGTH: 8'-0"
WIDTH: WIDTH: 8'-0"
HEIGHT: HEIGHT: 9'-4"
WEIGHT: 16,996 LBS (SHELTER ONLY)
WEIGHT: 18,996 LBS (APPROX. WITH EQUIPMENT)

NOTES:
1. GATE LOCKS MUST BE ACCESSIBLE FROM INSIDE OF ENCLOSURE, AS PER FIRE AND SAFETY REQUIREMENT.



ACCESS PANEL

SCALE: N.T.S 6

STEEL LANDING DETAIL

SCALE: N.T.S 4

CWIC SHELTER SPEC'S & ANCHORAGE

SCALE: N.T.S 2

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A|E|C WORKS

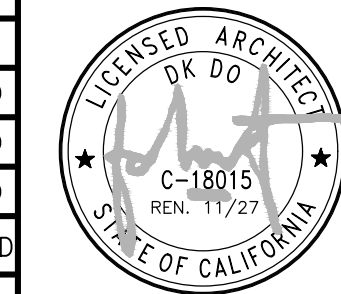
ARCHITECTURE | ENGINEERING | CONSULTING
38 EXECUTIVE PARK | SUITE 240
IRVINE | CA 92614

CX00021
SMWD DHQ ROOFTOP
(FORMALLY LAD233 FA#10086989)
PACE#: MRLOS096185 | FA#: 15791117 | USID#: TBD
26111 ANTONIO PARKWAY
RANCHO SANTA MARGARITA, CA 92688

AT&T
1452 EDINGER AVENUE, 3RD FLOOR
TUSTIN, CA 92780

NO.	DATE	REVISIONS	BY	CHK	APP'D
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A	09/19/25	ISSUED FOR CD REVIEW AND COMMENTS	RF	BOK	DKD

SCALE AS SHOWN DESIGNED DRAWN

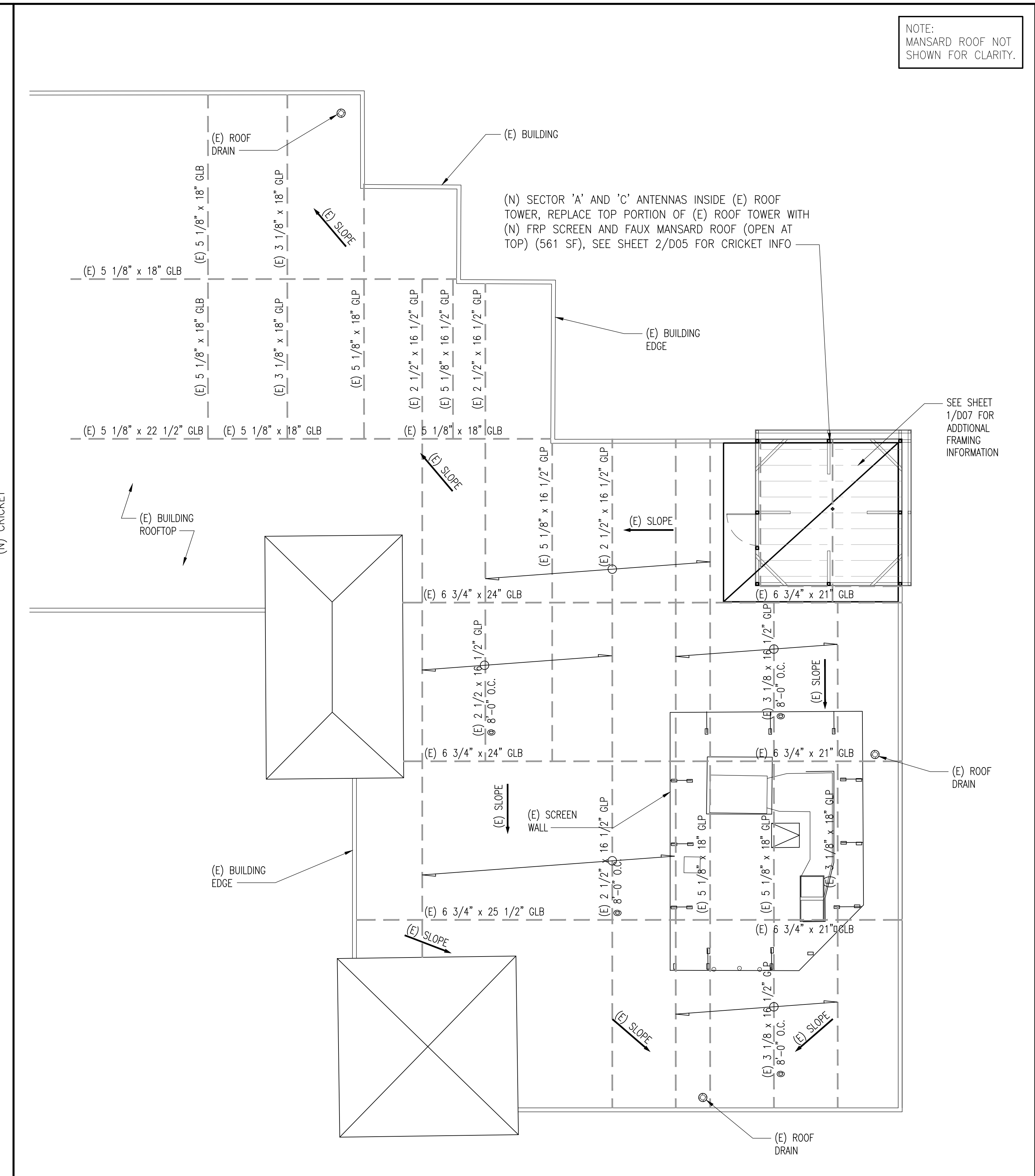
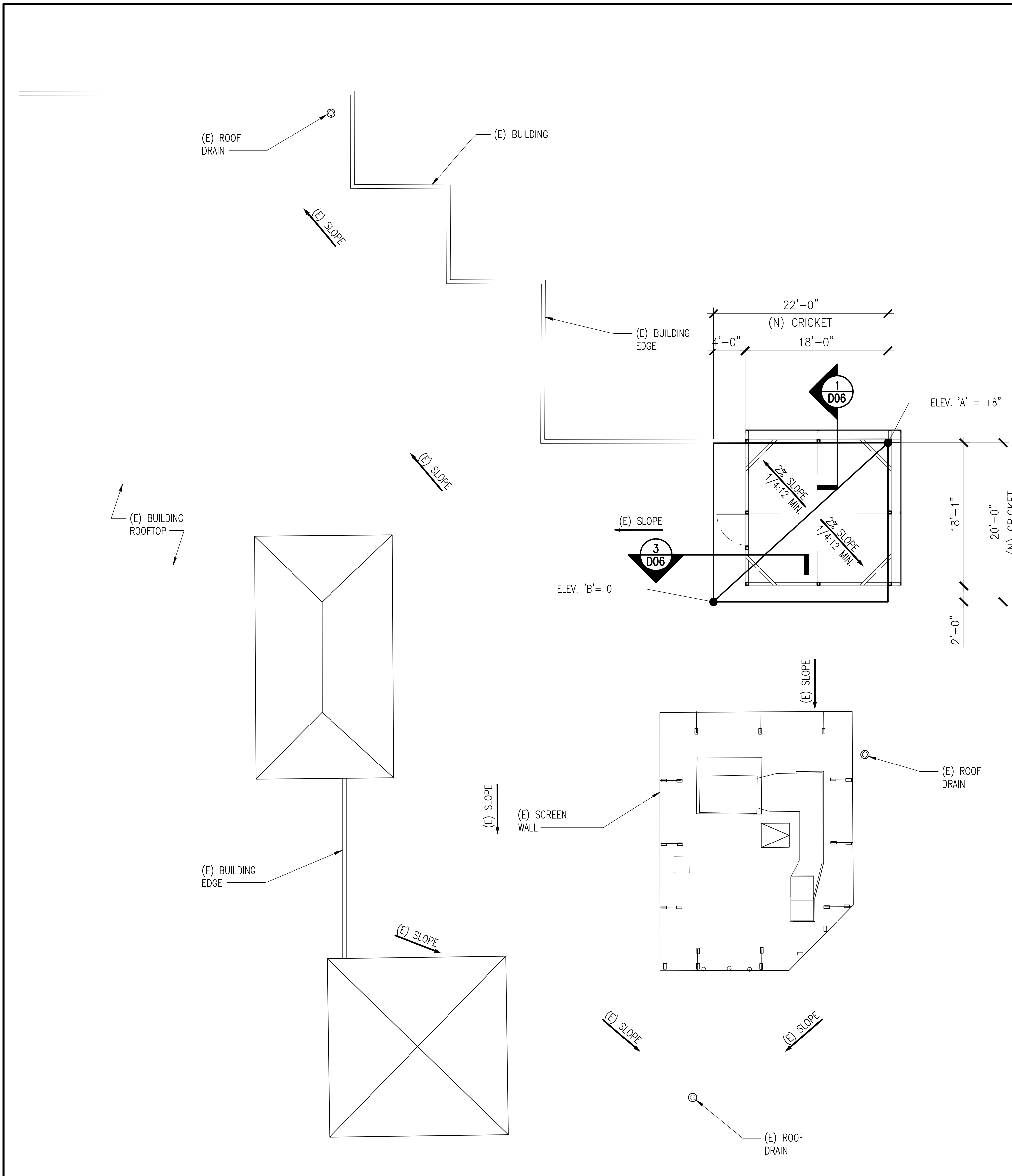


AT&T

DETAILS

JOB NO. DRAWING NUMBER REV.
CX00021-D04 1

NOTE:
MANSARD ROOF NOT
SHOWN FOR CLARITY.



PARTIAL ENLARGED ROOFING PLAN

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

2

PARTIAL ROOF FRAMING PLAN

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

1

DCI PACIFIC
A|E|C WORKS

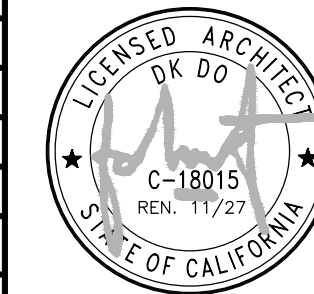
ARCHITECTURE | ENGINEERING | CONSULTING
38 EXECUTIVE PARK | SUITE 240
IRVINE | CA 92614

CX00021
SMWD DHQ ROOFTOP
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TUSTIN, CA 92780

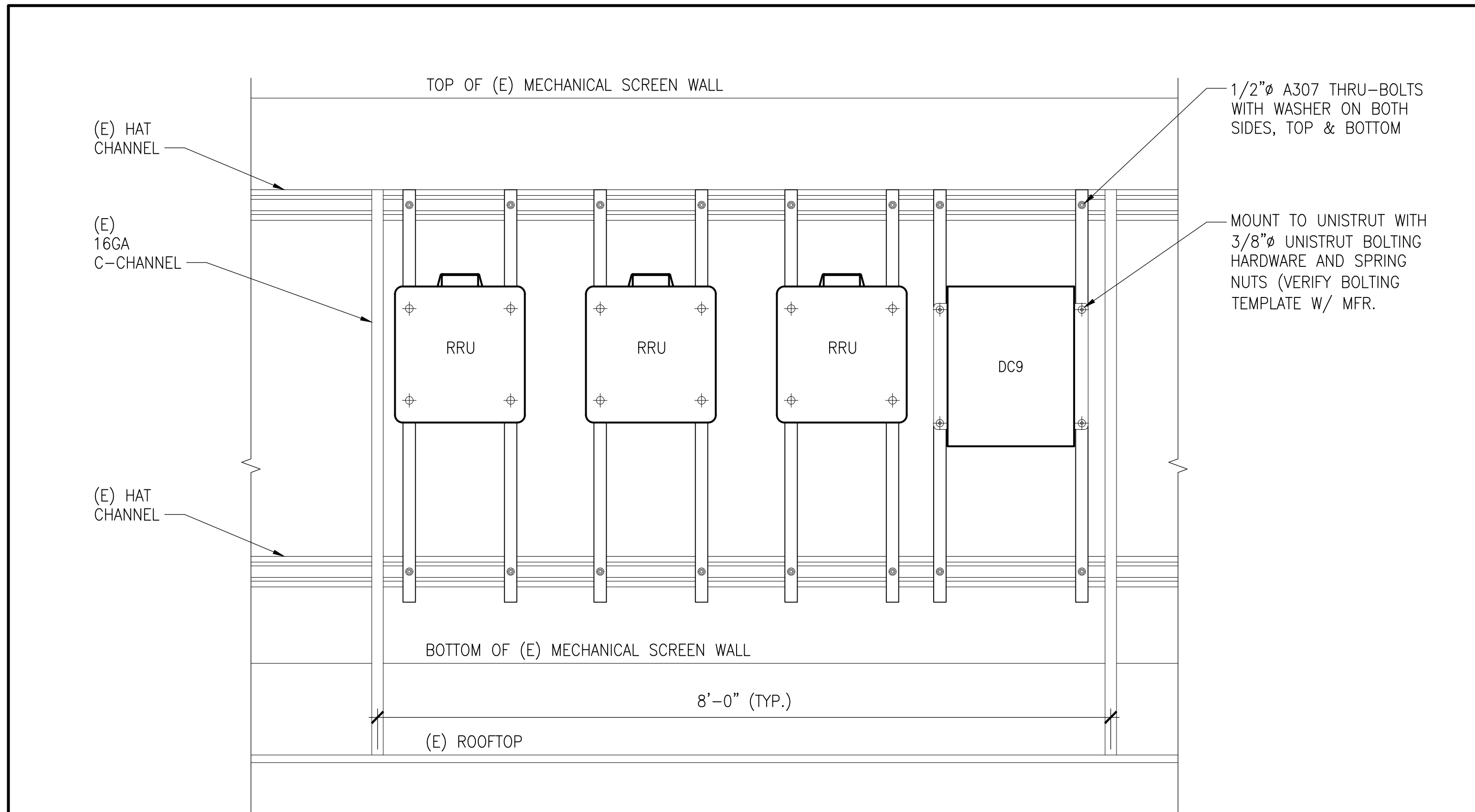
NO.	DATE	REVISIONS	BY	CHK	APP'D
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SCALE AS SHOWN DESIGNED DRAWN



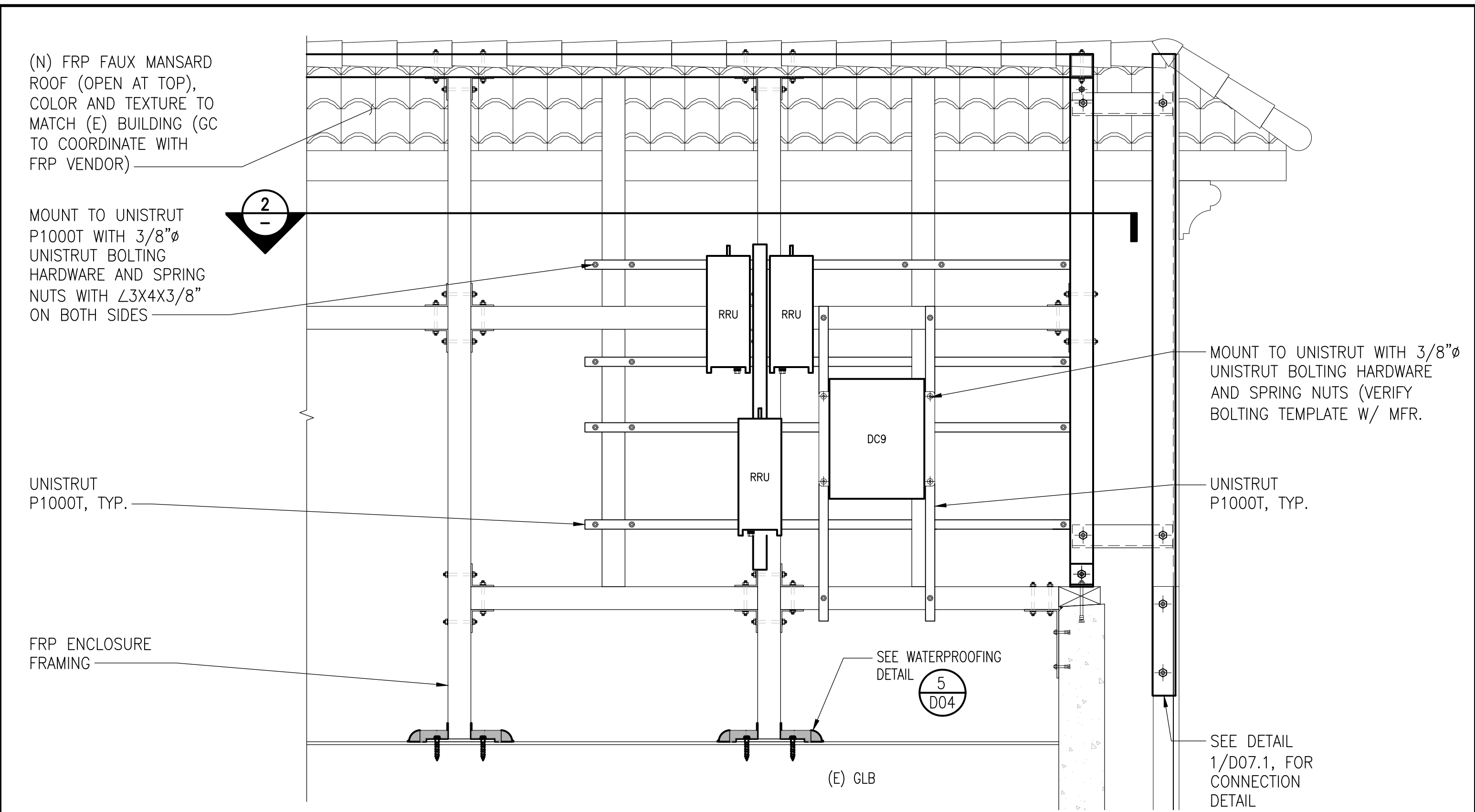
AT&T
DETAILS

JOB NO.	DRAWING NUMBER	REV.
	CX00021-D05	1



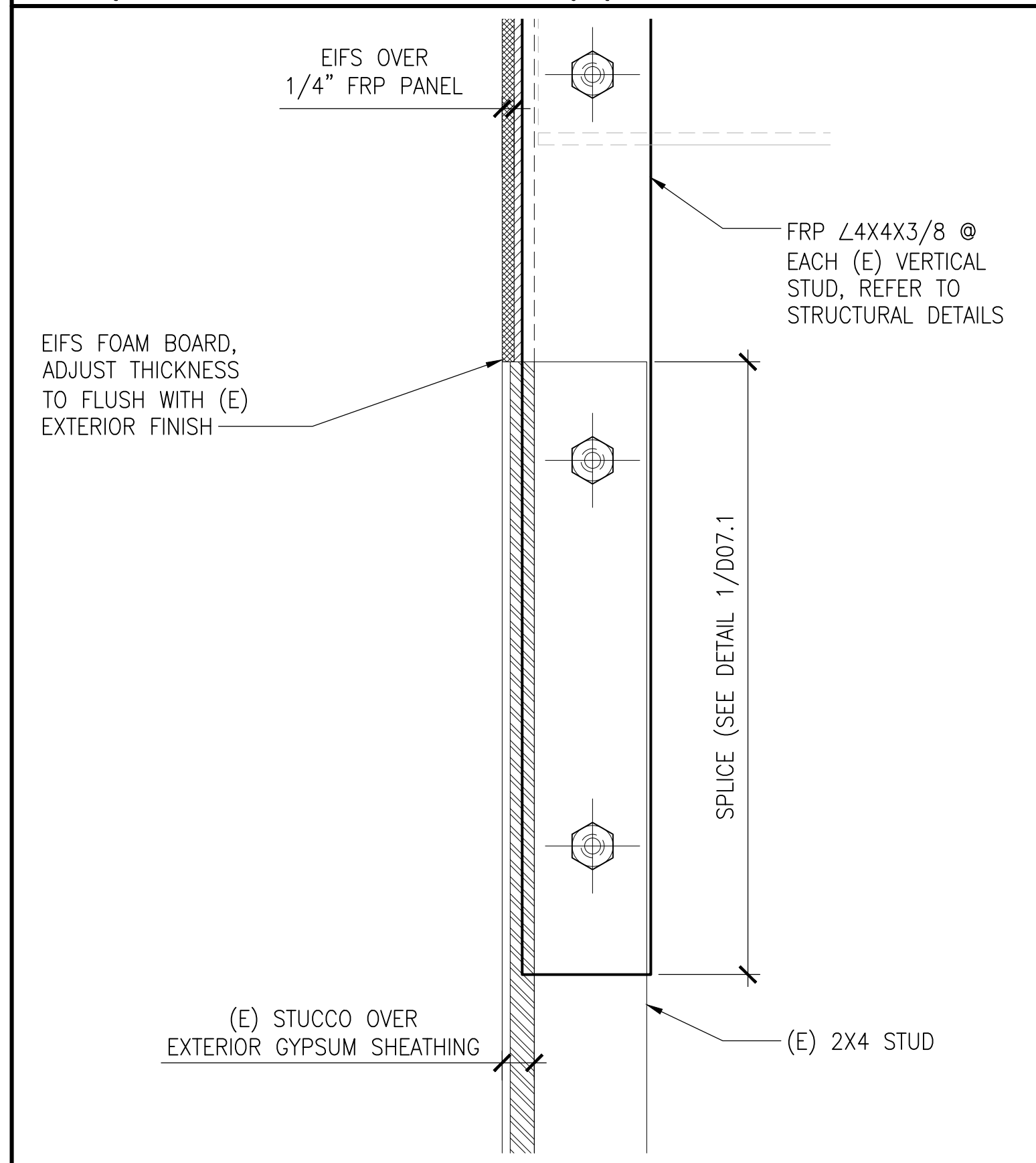
RRU/DC9 MOUNTING AT (E) SCREEN WALL

SCALE: 1"=1'-0" 3



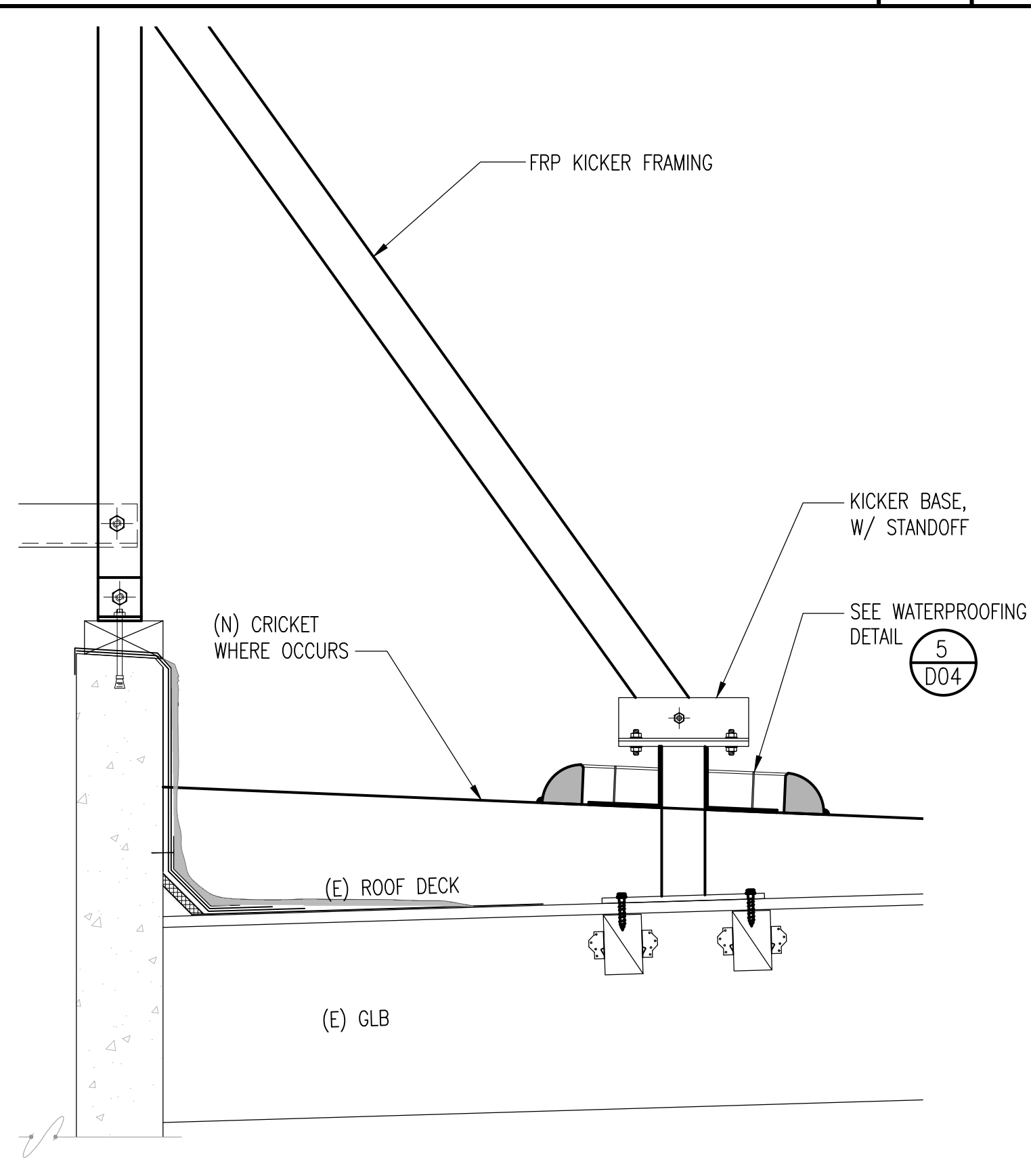
RRU/DC9 MOUNTING AT (N) INTERIOR ROOF TOWER SCREEN WALL

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



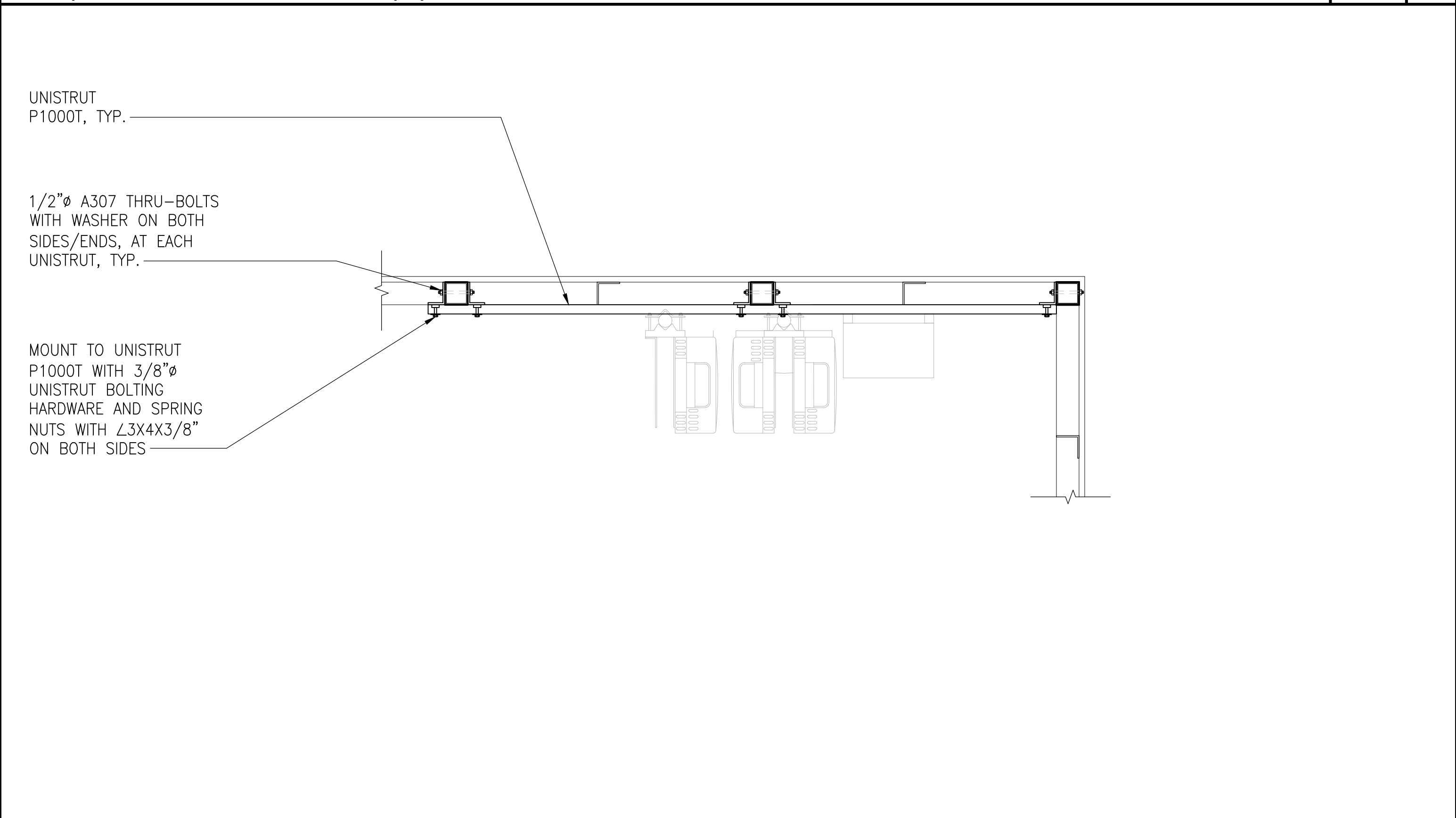
FRP WALL FINISHING DETAIL

SCALE: 3"=1'-0" 5



WATERPROOFING AT CRICKET

SCALE: 1"=1'-0" 4



SECTION DETAIL

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

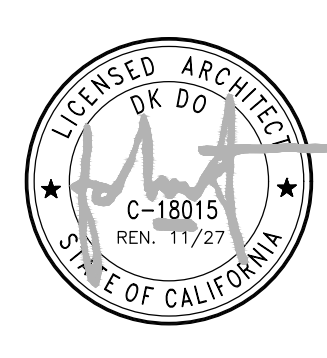
DCI PACIFIC
A|E|C WORKS
ARCHITECTURE | ENGINEERING | CONSULTING
38 EXECUTIVE PARK | SUITE 240
IRVINE | CA 92614

CXLO021
SMWD DHQ ROOFTOP
(FORMALLY LAD233 FA#10086989)
PACE#: MRLOS096185 | FA#: 15791117 | USID#: TBD
26111 ANTONIO PARKWAY
RANCHO SANTA MARGARITA, CA 92688

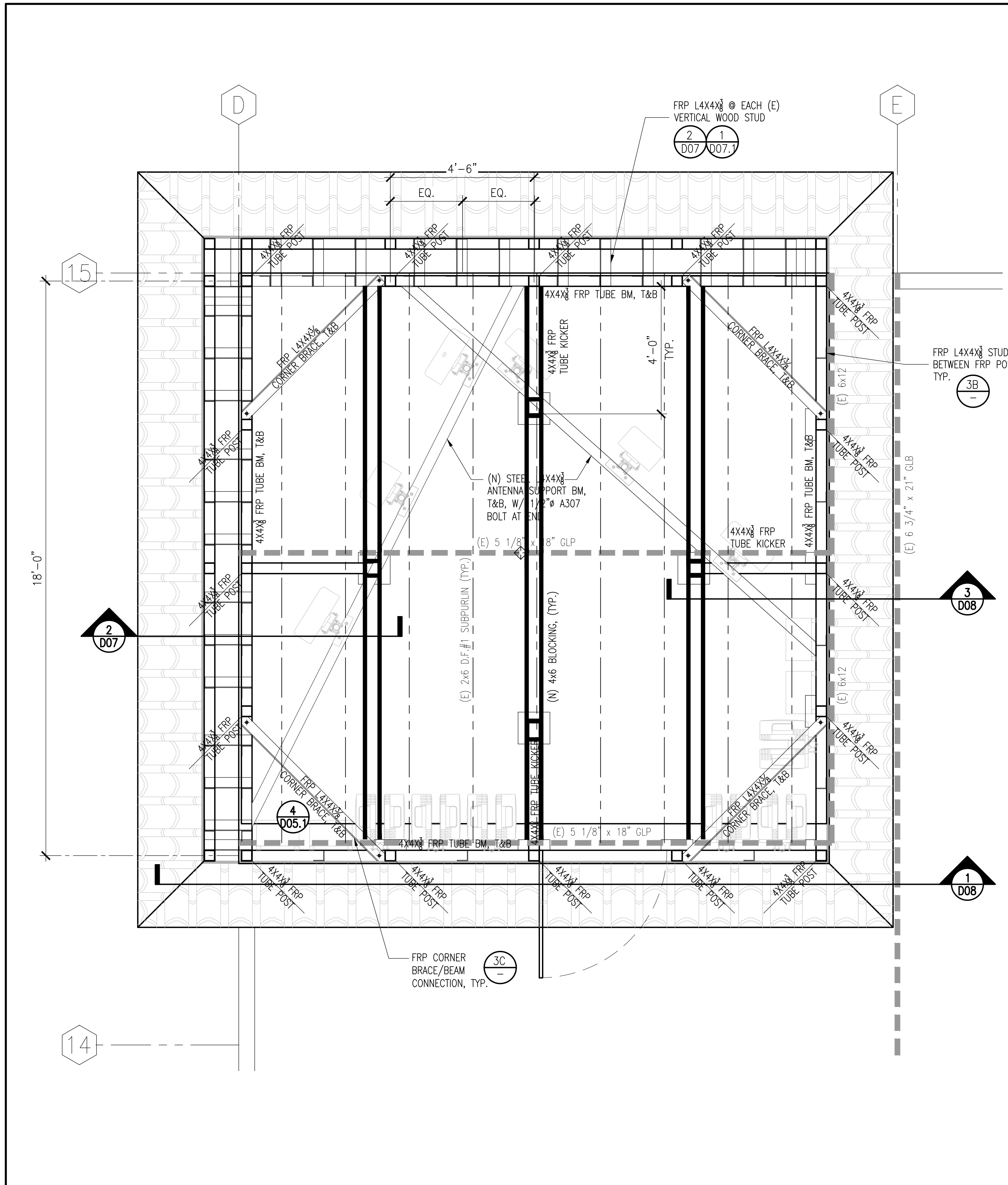
AT&T
1452 EDINGER AVENUE, 3RD FLOOR
TUSTIN, CA 92780

NO.	DATE	REVISIONS	BY	CHK	APP'D
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SCALE AS SHOWN DESIGNED DRAWN

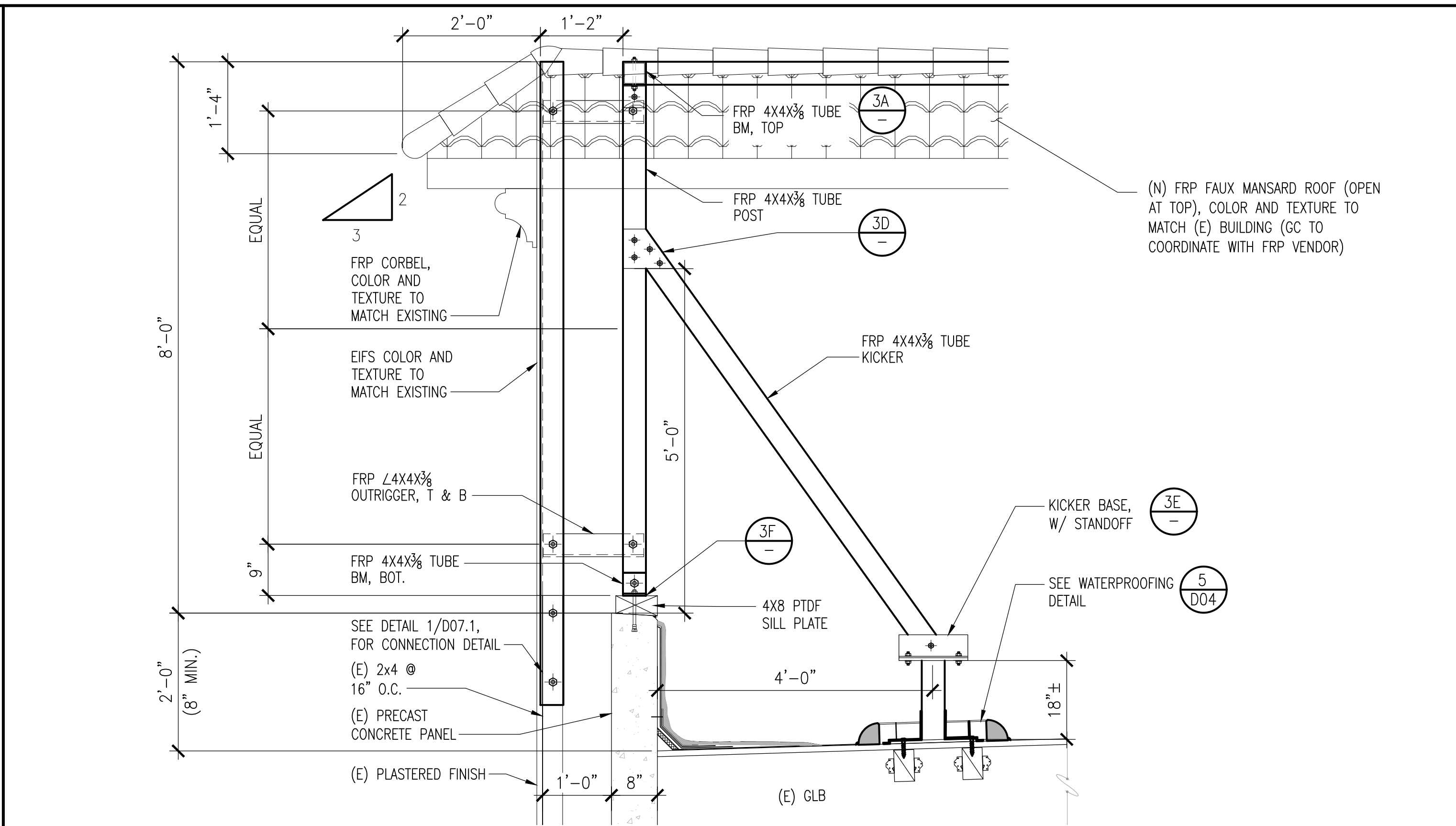


AT&T
DETAILS
JOB NO. DRAWING NUMBER REV.
CXLO021-D06 1



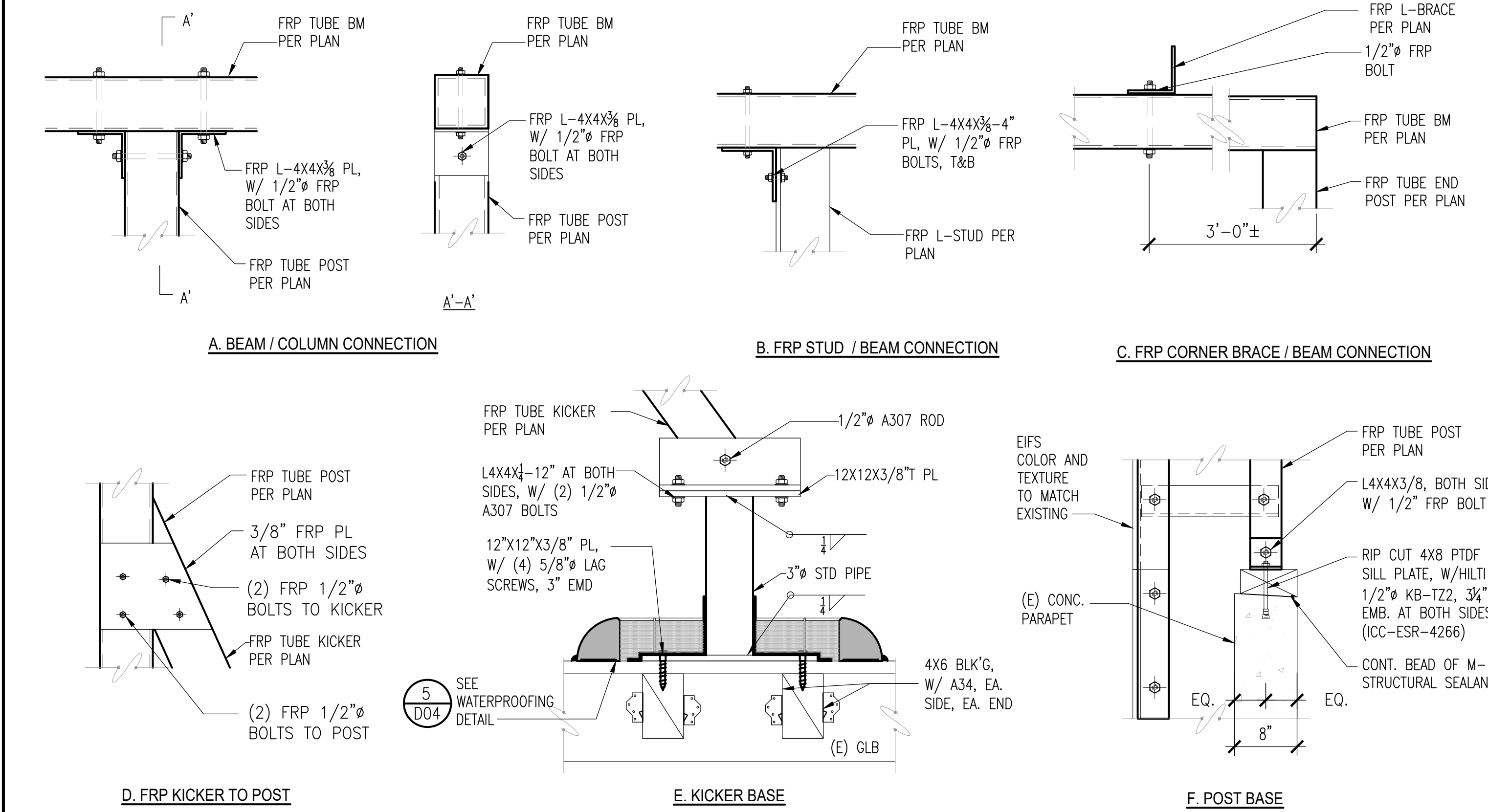
FRP ENCLOSURE FRAMING PLAN

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



FRP KICKER FRAMING SECTION

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



FRP DETAILS

SCALE: N.T.S. 3

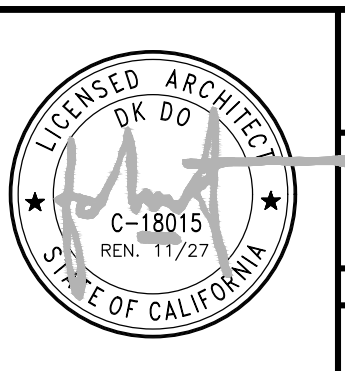
DCI PACIFIC
A|E|C WORKS
ARCHITECTURE | ENGINEERING | CONSULTING
38 EXECUTIVE PARK | SUITE 240
IRVINE | CA 92614

CX00021
SMWD DHQ ROOFTOP
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PACE#: MRLOS096185 | FA#: 15791117 | USID#: TBD
26111 ANTONIO PARKWAY
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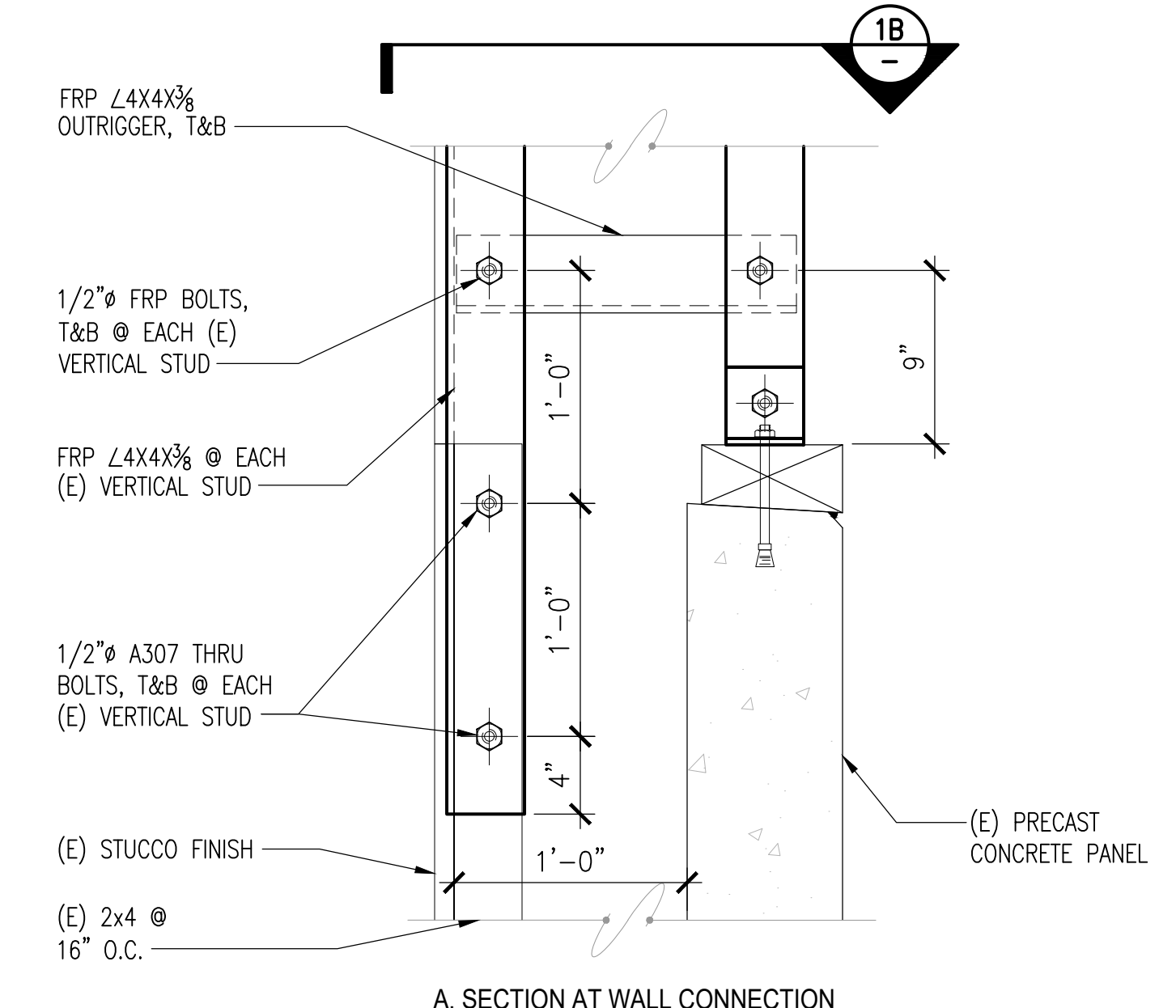
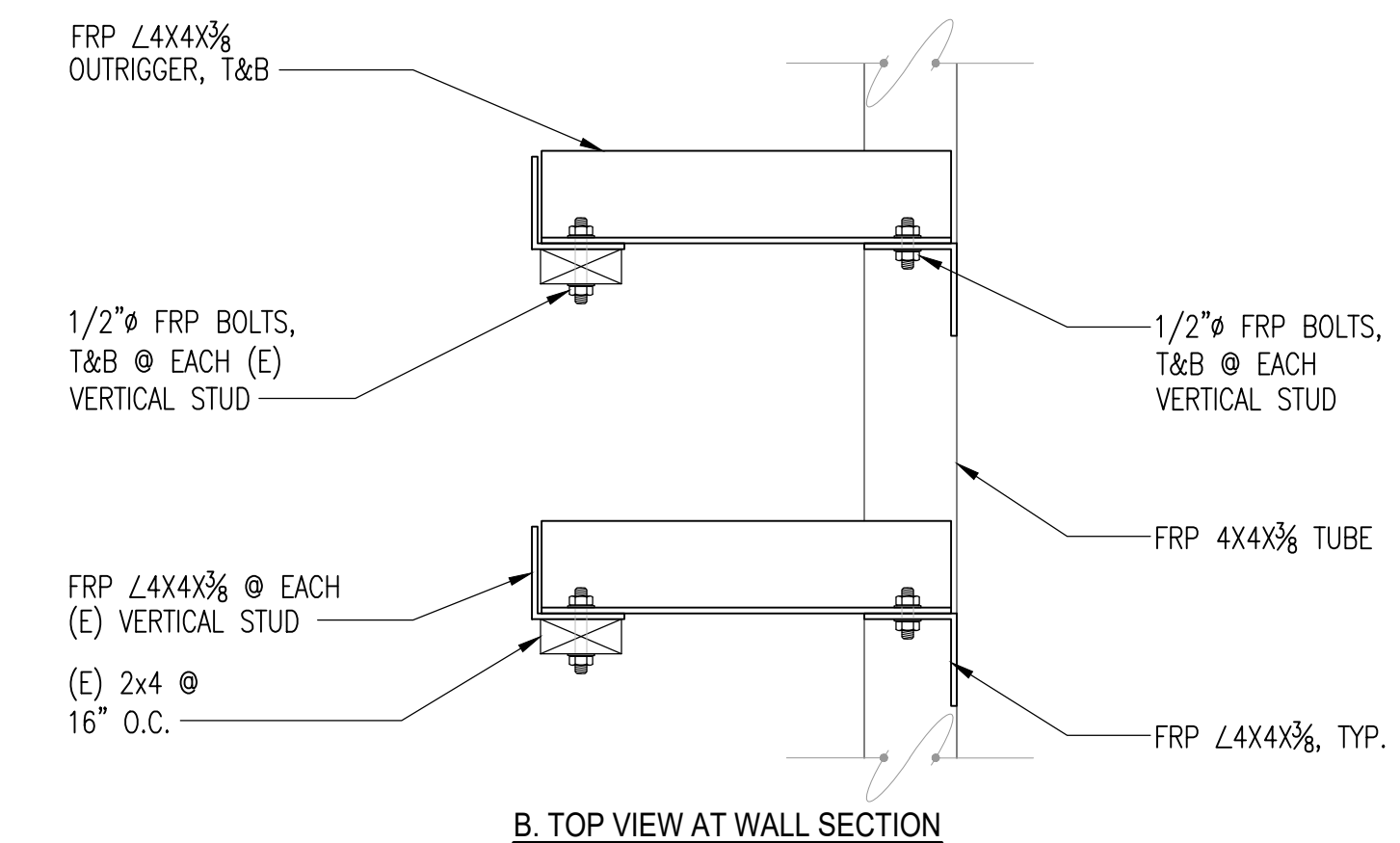
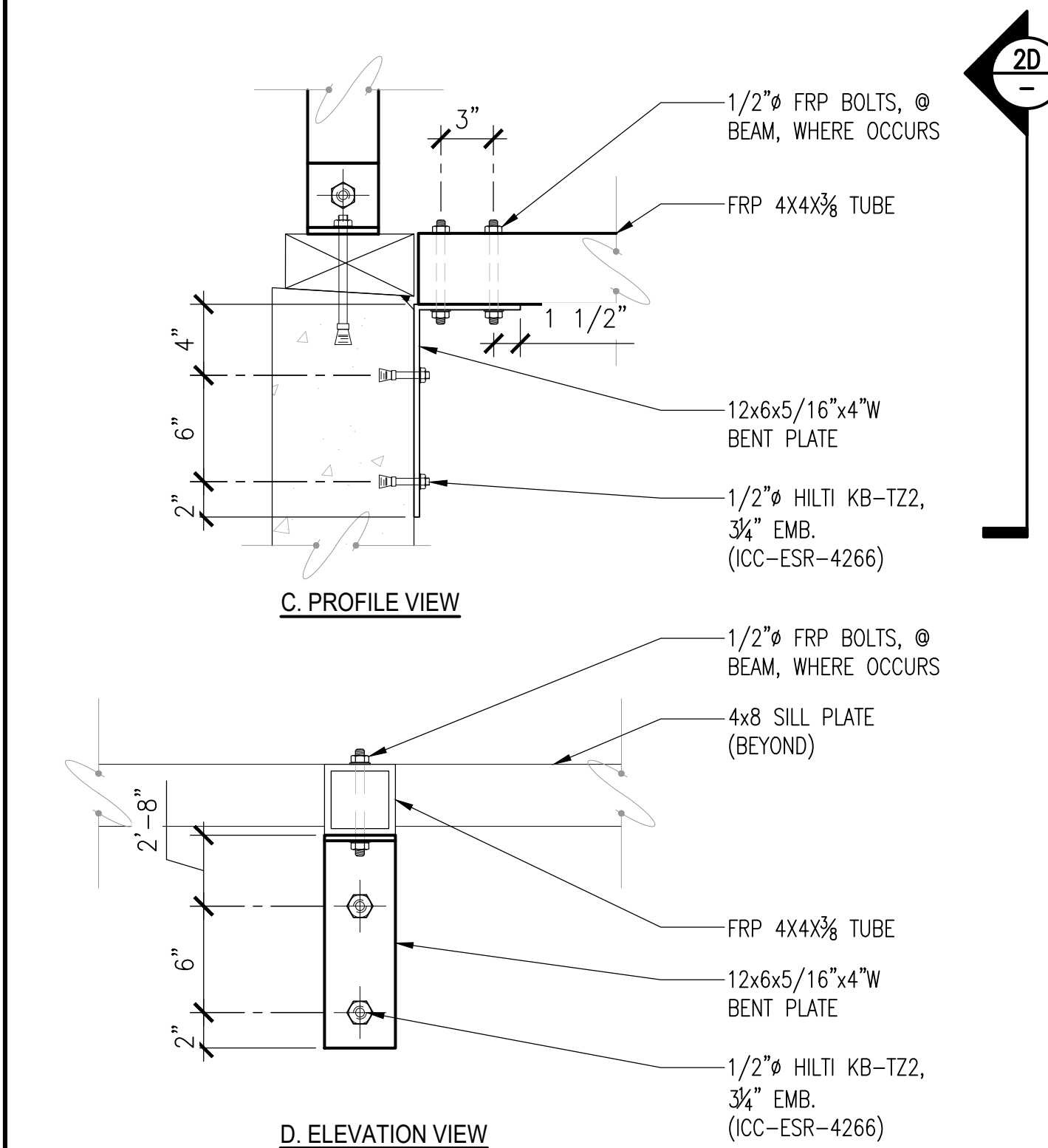
AT&T
1452 EDINGER AVENUE, 3RD FLOOR
TUSTIN, CA 92780

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SCALE AS SHOWN DESIGNED DRAWN



AT&T
ROOF TOWER DETAILS
SECTORS 'A' & 'C'
JOB NO. DRAWING NUMBER REV.
CX00021-007 1



NOT USED SCALE: N.T.S. 6 NOT USED SCALE: N.T.S. 4 BEAM CONNECTION @ PARAPET SCALE: 1-1/2"=1'-0" 2

NOT USED SCALE: N.T.S. 7 NOT USED SCALE: N.T.S. 5 NOT USED SCALE: N.T.S. 3 FRP TO FURRED WALL CONNECTION SCALE: 1-1/2"=1'-0" 1

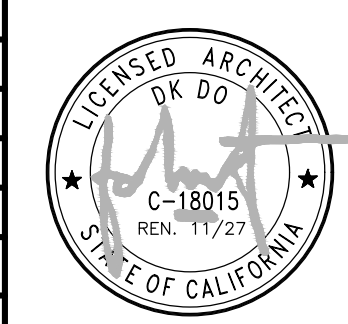
DCI PACIFIC
A|E|C WORKS
ARCHITECTURE | ENGINEERING | CONSULTING
38 EXECUTIVE PARK | SUITE 240
IRVINE | CA 92614

CXLO0021
SMWD DHQ ROOFTOP
(FORMALLY LAD233 FA#10086989)
PACE#: MRLOS096185 | FA#: 15791117 | USID#: TBD
26111 ANTONIO PARKWAY
RANCHO SANTA MARGARITA, CA 92688

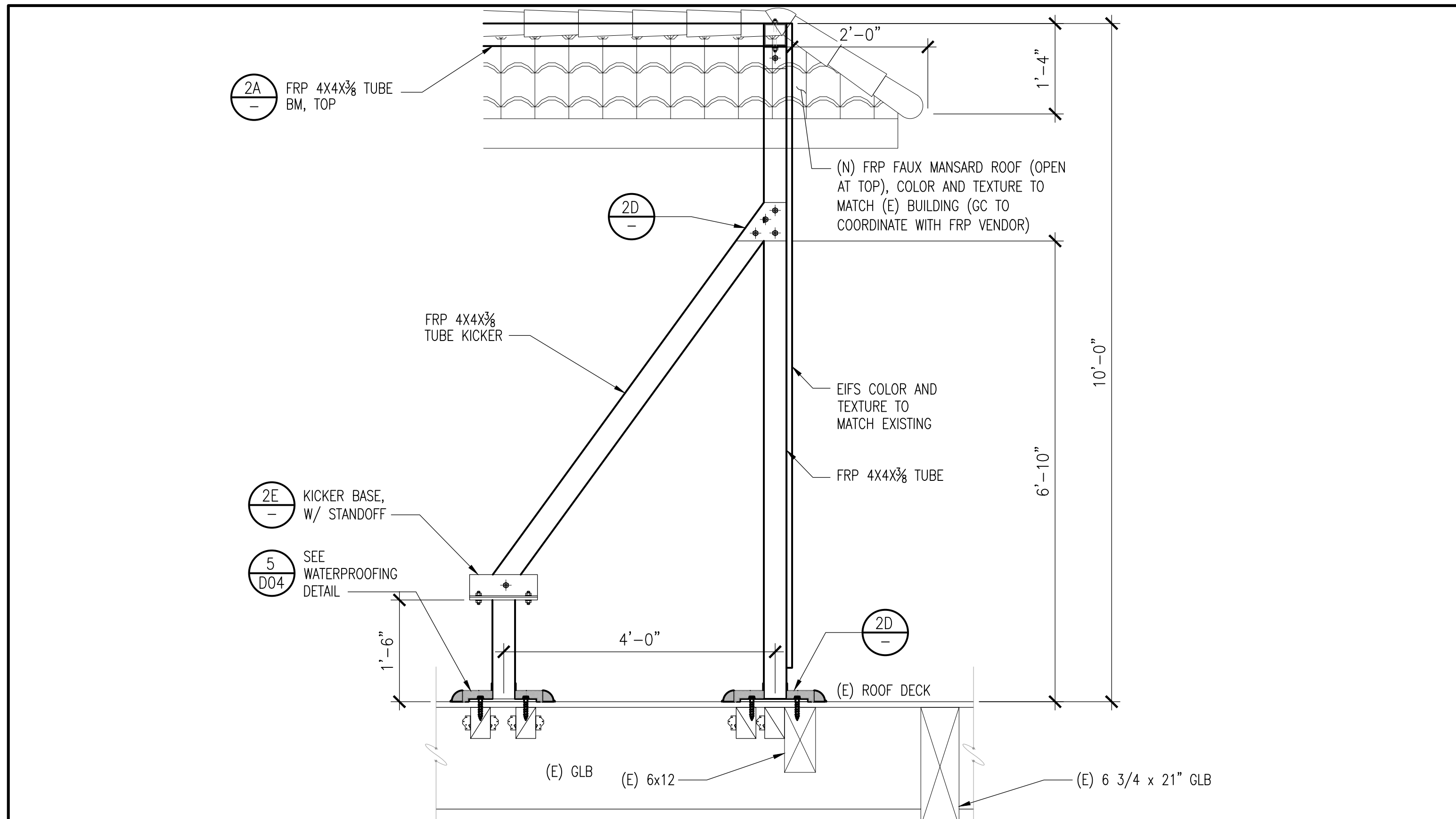
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1452 EDINGER AVENUE, 3RD FLOOR
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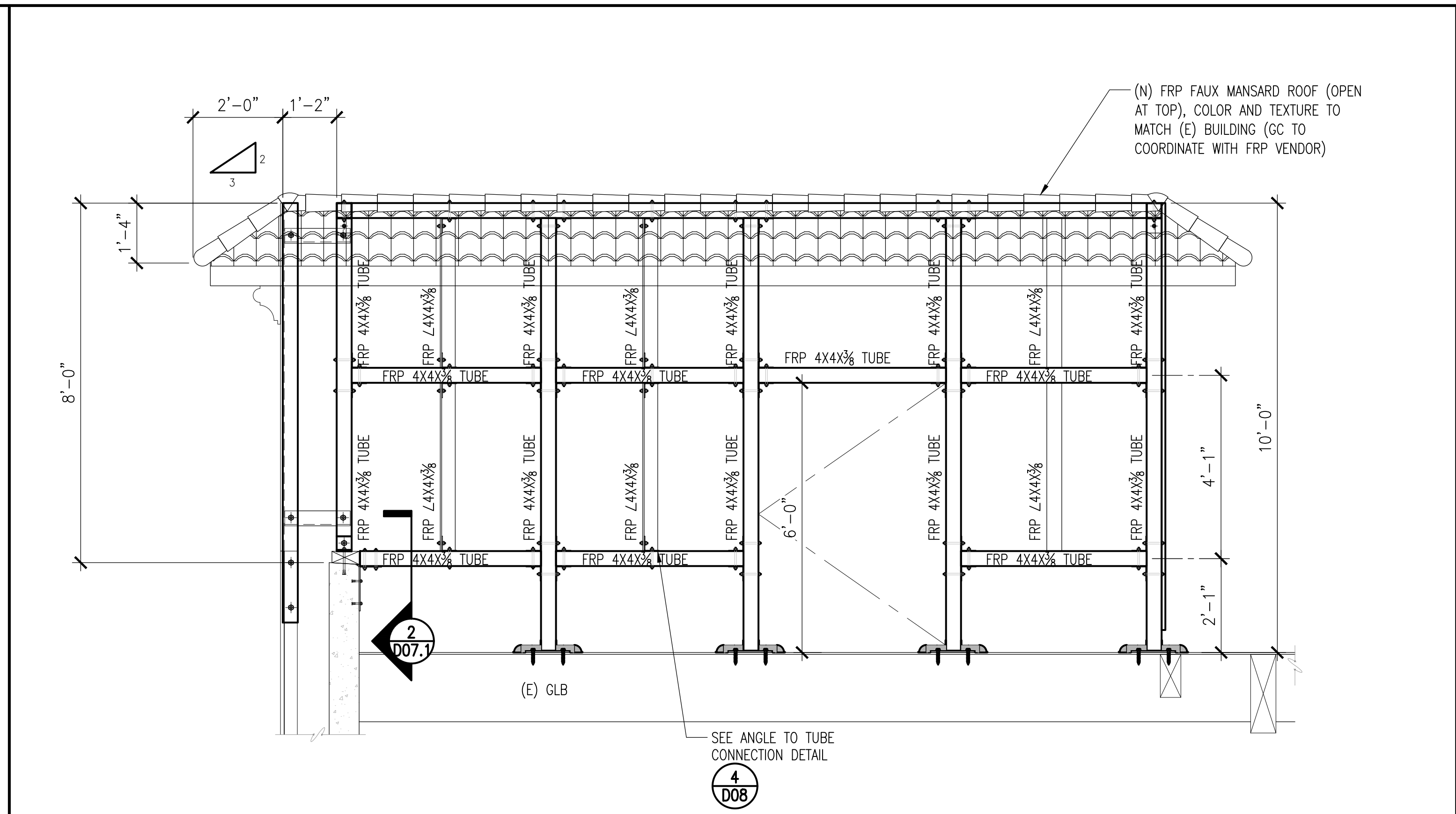
SCALE AS SHOWN DESIGNED DRAWN



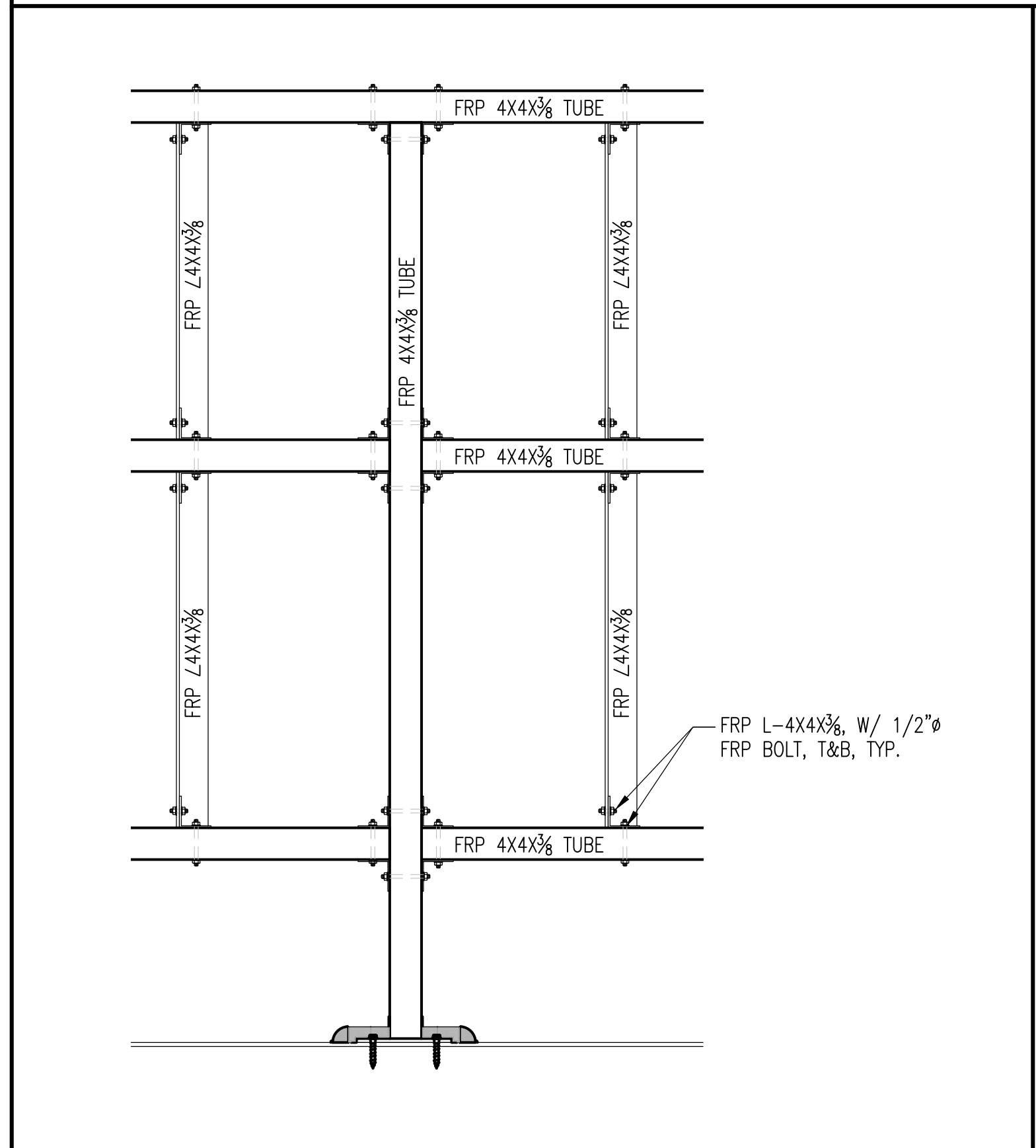
AT&T
ROOF TOWER DETAILS
JOB NO. DRAWING NUMBER REV.
CXLO0021-D07.1 1



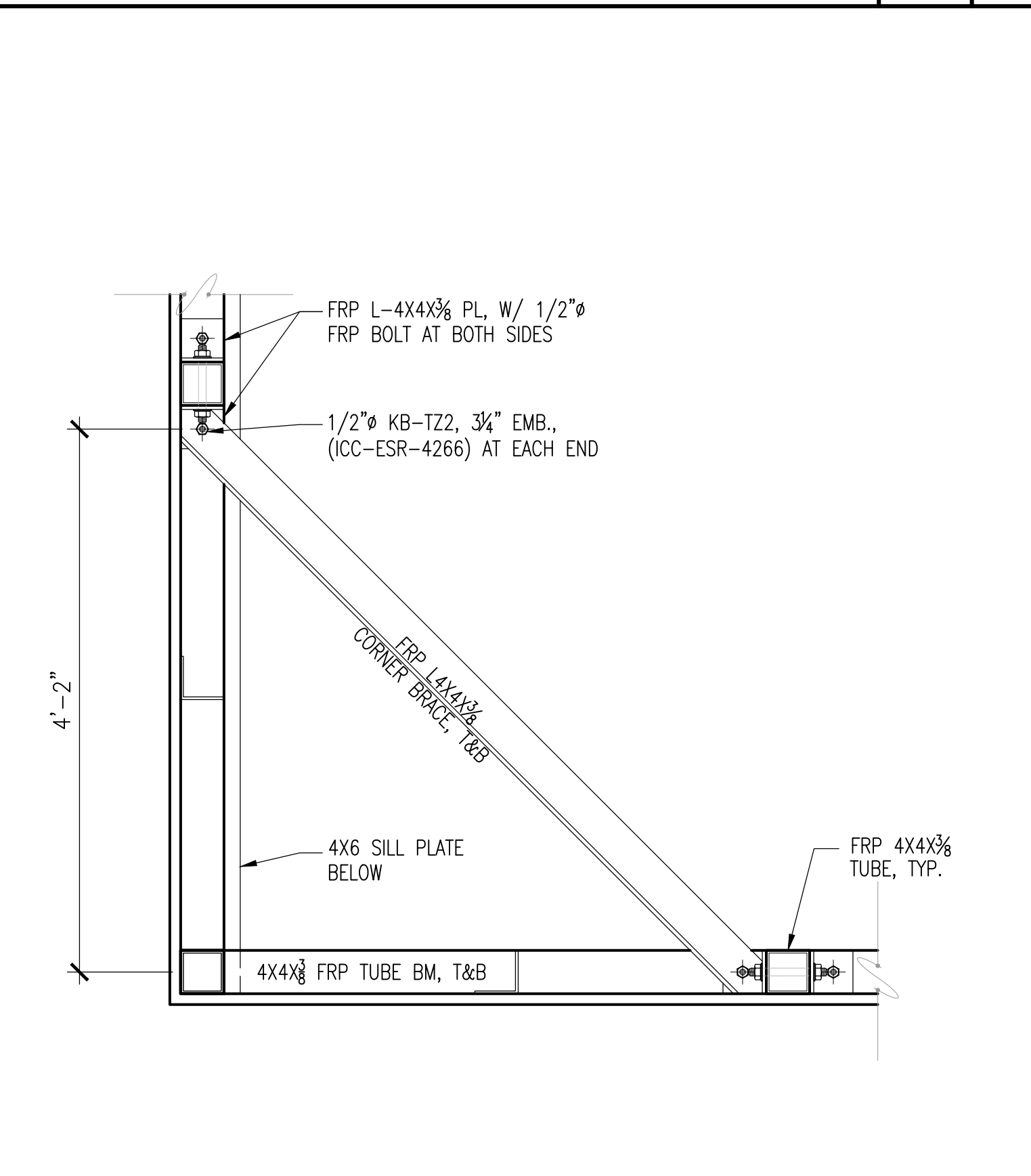
FRP KICKER FRAMING SECTION SCALE: 3/4"=1'-0" **3**



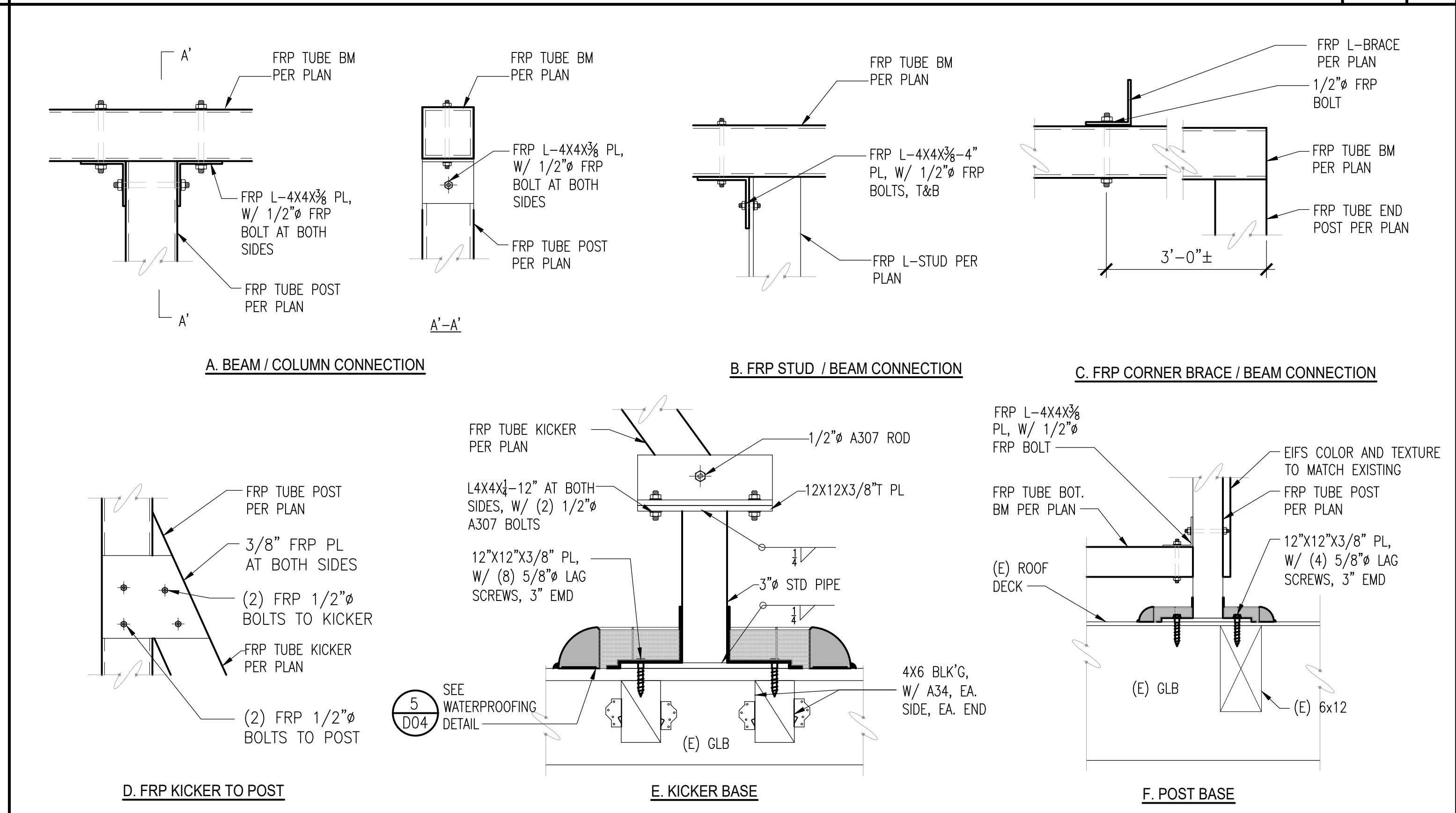
FRP ENCLOSURE FRAMING SECTION SCALE: 1/2"=1'-0" **1**



ANGLE TO TUBE CONNECTION, TYP. SCALE: N.T.S. **5**



CORNER BRACING, TYP. SCALE: 1/2"=1'-0" **4**



DETAILS SCALE: N.T.S. **2**

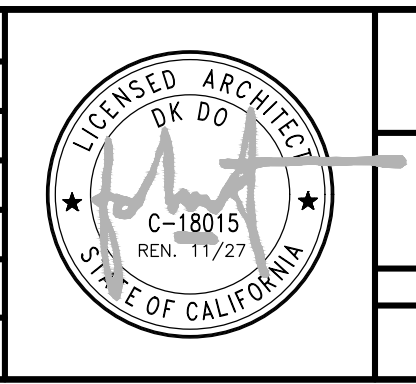
DCI PACIFIC
A|E|C WORKS
ARCHITECTURE | ENGINEERING | CONSULTING
38 EXECUTIVE PARK | SUITE 240
IRVINE | CA 92614

CX00021
SMWD DHQ ROOFTOP
(FORMALLY LAD233 FA#10086989)
PACE#: MRLOS096185 | FA#: 15791117 | USID#: TBD
26111 ANTONIO PARKWAY
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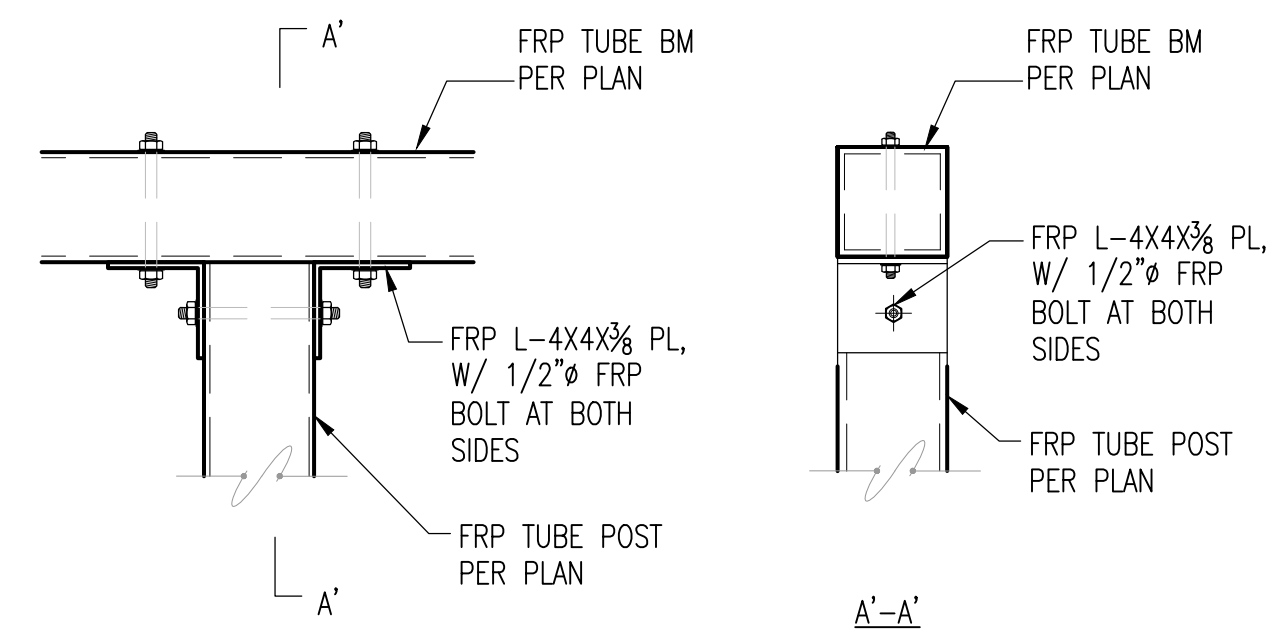
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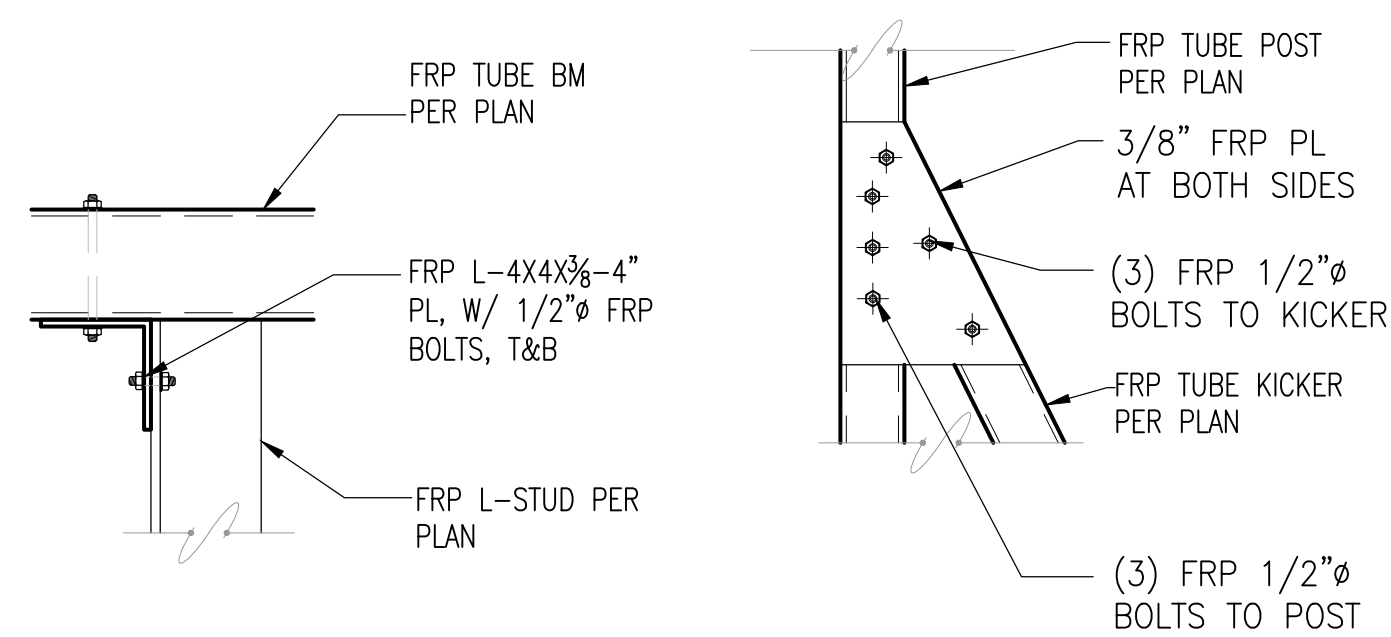
SCALE: AS SHOWN DESIGNED DRAWN



AT&T
ROOF TOWER DETAILS
JOB NO: DRAWING NUMBER: CX00021-008 REV: 1

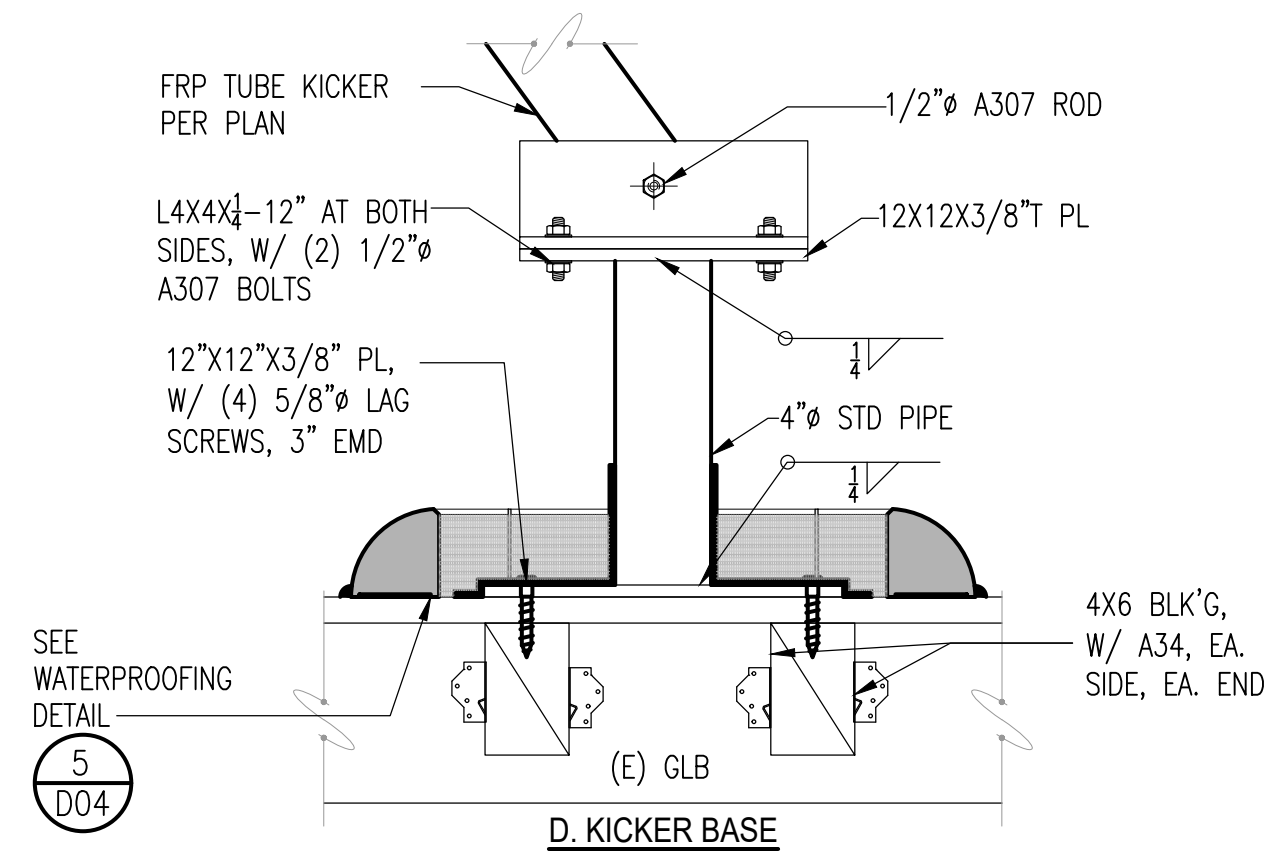


A. BEAM / COLUMN CONNECTION

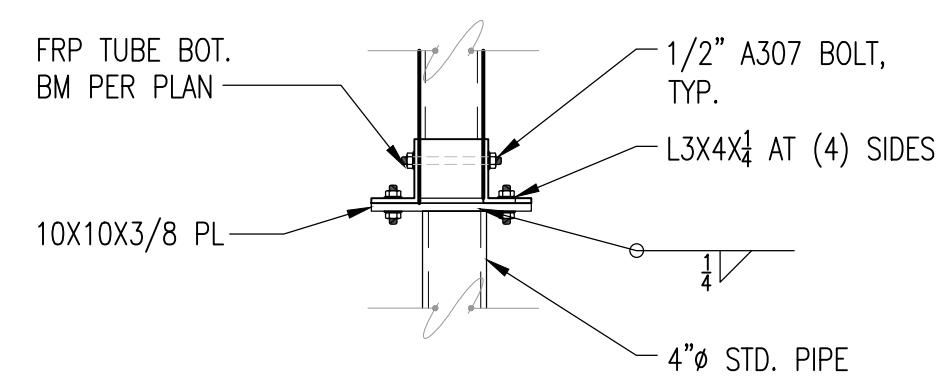


B. FRP STUD / BEAM CONNECTION

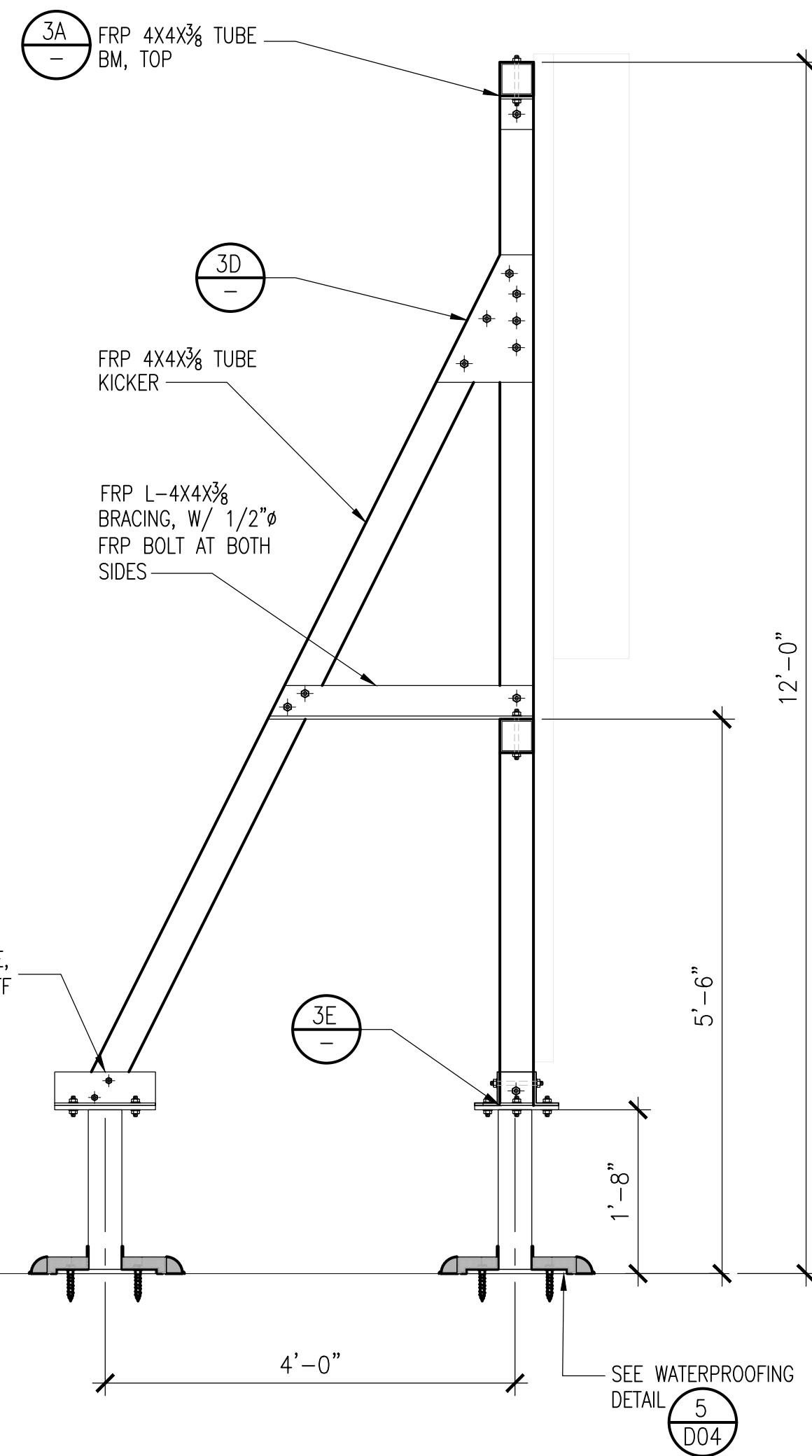
C. FRP KICKER TO POST



D. KICKER BASE



E. POST BASE



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

3 SECTOR 'B' FRP FRAMING SECTION



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

2 SECTOR 'B' FRAMING PLAN VIEW

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

1 DETAILS

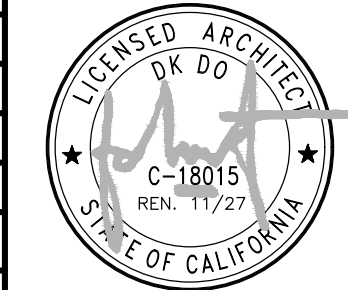
DCI PACIFIC
A|E|C WORKS

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IRVINE | CA 92614

CX00021
SMWD DHQ ROOFTOP
(FORMALLY LAD233 FA#10086989)
PACE#: MRLOS096185 | FA#: 15791117 | USID#: TBD
26111 ANTONIO PARKWAY
RANCHO SANTA MARGARITA, CA 92688

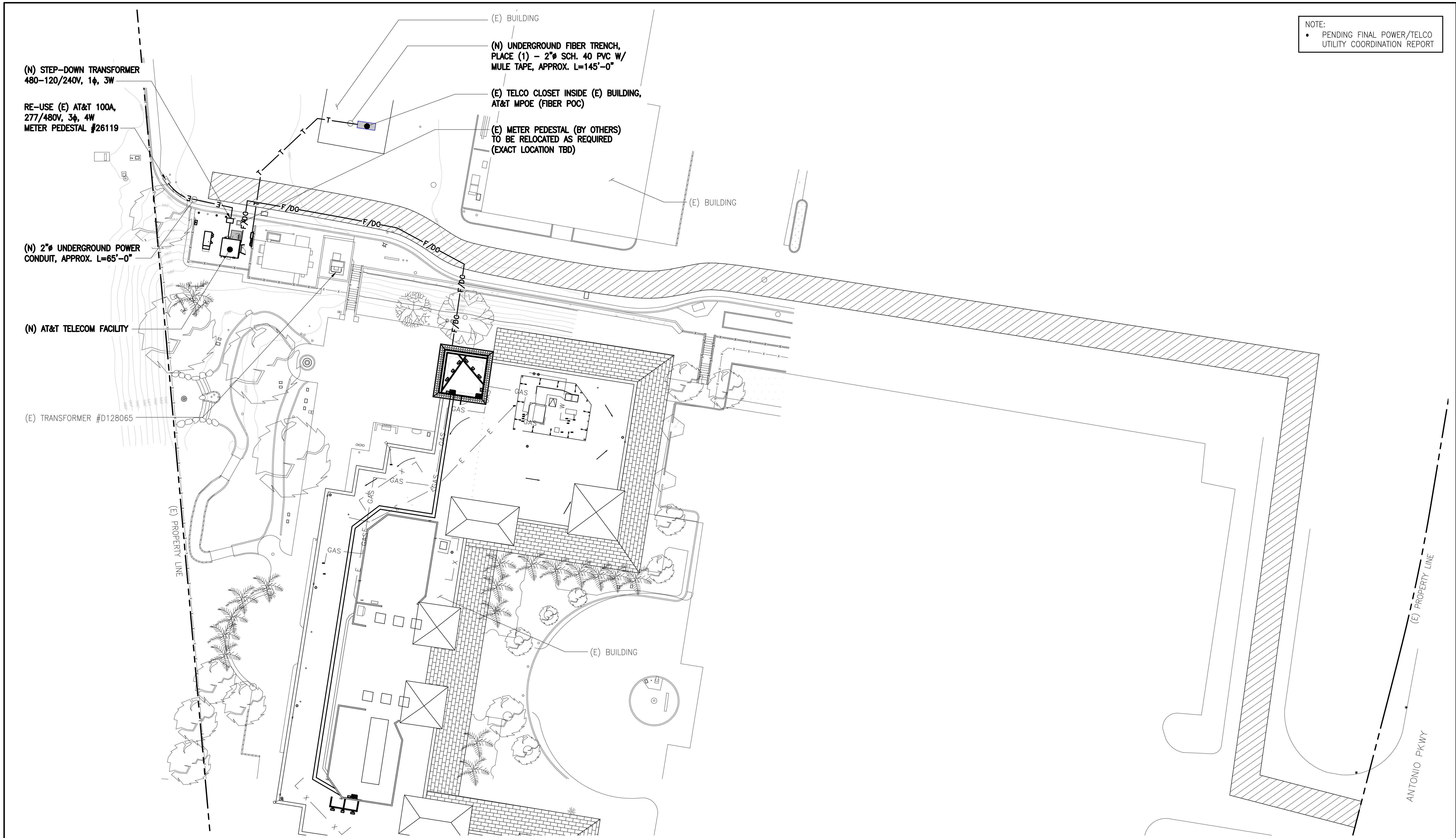
AT&T
1452 EDINGER AVENUE, 3RD FLOOR
TUSTIN, CA 92780

NO.	DATE	REVISIONS	BY	CHK	APP'D
1	04/09/26	MINOR PLAN CHECK COMMENTS	RF	BOK	DKD
0	11/14/25	ADDRESS PLAN CHECK COMMENTS	RF	BOK	DKD
A	09/19/25	ISSUED FOR CD REVIEW AND COMMENTS	RF	BOK	DKD
SCALE		AS SHOWN	DESIGNED	DRAWN	



AT&T
ANTENNA SUPPORT FRAME
(SECTOR B)

JOB NO. DRAWING NUMBER REV.
CX00021-009 1



NOTE:
 • PENDING FINAL POWER/TELCO UTILITY COORDINATION REPORT

UTILITY PLAN

NORTH

0 5' 10' 20'

SCALE: 1"=20'-0"

1

DCI PACIFIC
 A|E|C WORKS

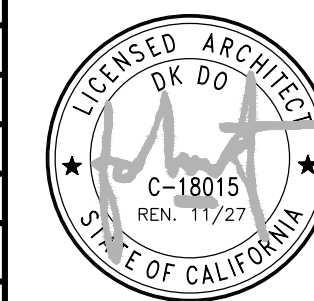
ARCHITECTURE | ENGINEERING | CONSULTING
 38 EXECUTIVE PARK | SUITE 240
 IRVINE | CA 92614

CXL0021
 SMWD DHQ ROOFTOP
 (FORMALLY LAD233 FA#10086989)
 PACE#: MRLOS096185 | FA#: 15791117 | USID#: TBD
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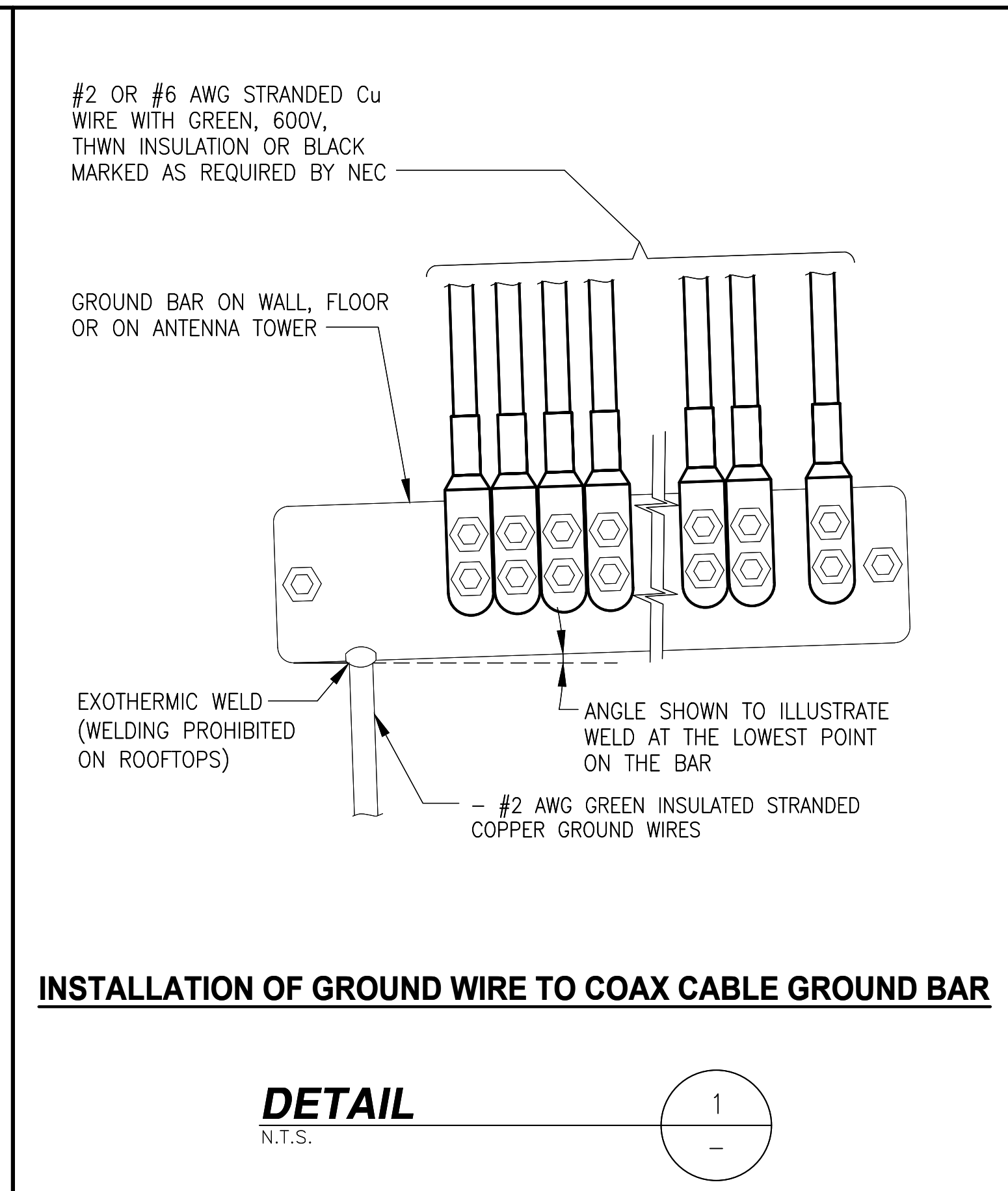
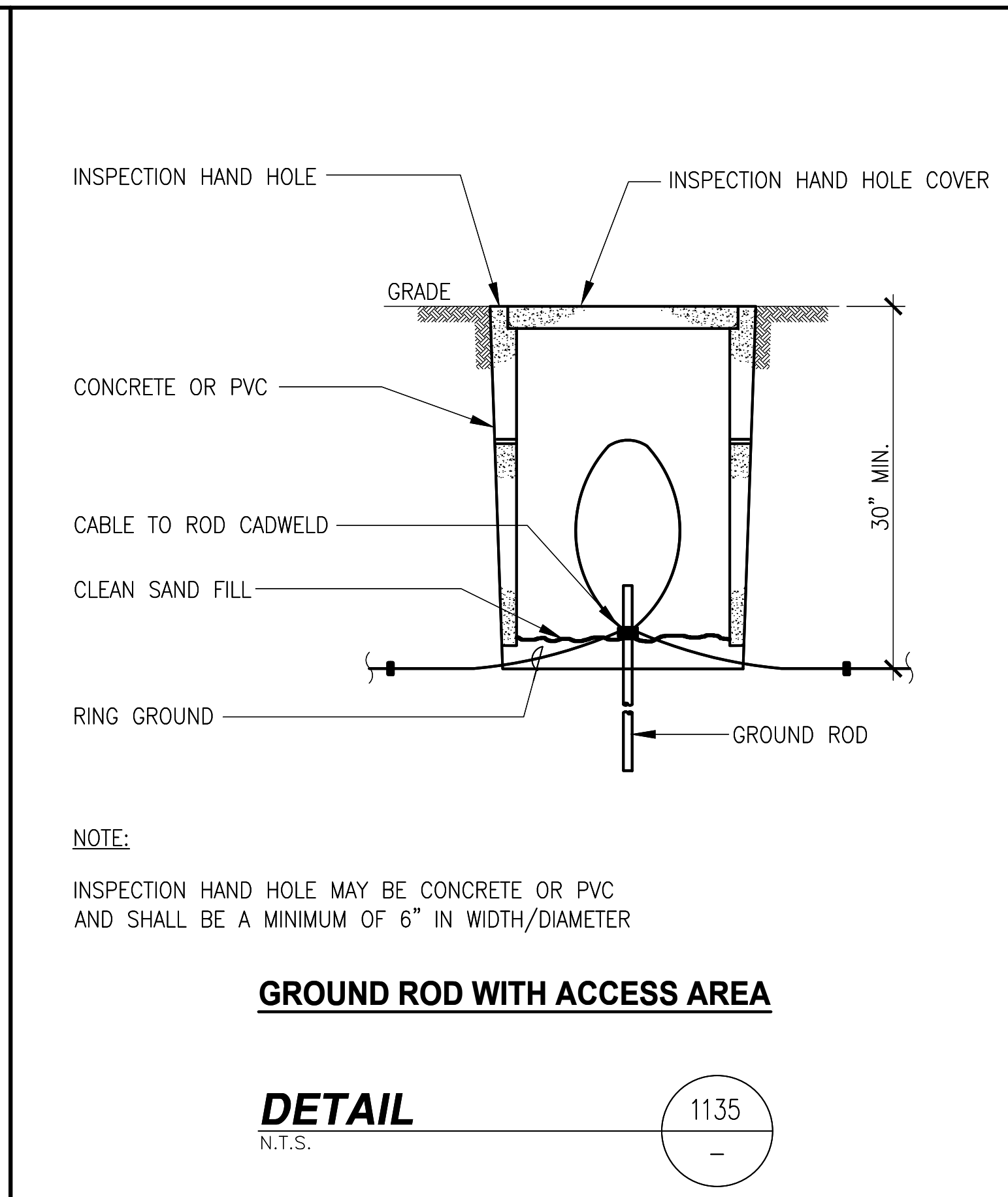
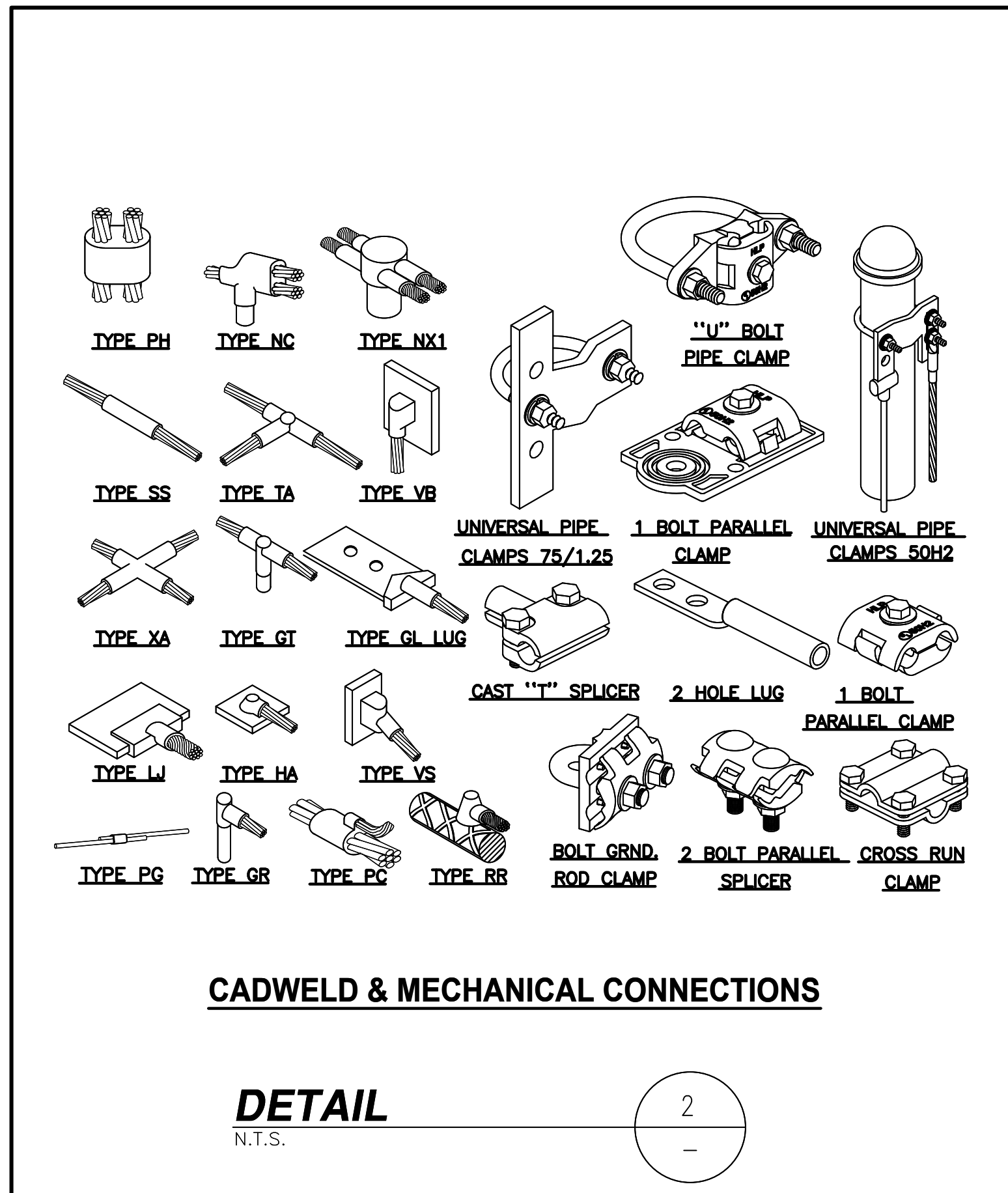
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SCALE AS SHOWN DESIGNED DRAWN



**SITE PLAN AND
 EQUIPMENT AREA PLAN**

JOB NO.	DRAWING NUMBER	REV.
	CXL0021-E01	1



NEWTON INSTRUMENT COMPANY, INC. BUTNER, N.C. OR APPROVED EQUAL			
NO.	REQ.	PART NO.	DESCRIPTION
①	1	1/4"x4"x30"	SOLID GND. BAR
②	2	A-6056	WALL MTG. BRKT.
③	2	3061-4	INSULATORS
④	4	3012-1	5/8"-11x1" H.H.C.S.
⑤	4	3015-8	5/8" LOCKWASHER

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

SECTION "P" - SURGE PROTECTORS

CABLE ENTRY PORTS (HATCH PLATES) (2 AWG)
 GENERATOR FRAMEWORK (IF AVAILABLE) (2 AWG)
 TELCO GROUND BAR (2 AWG)
 COMMERCIAL POWER COMMON NEUTRAL/GROUND BOND (2 AWG)
 +24V POWER SUPPLY RETURN BAR (2 AWG)
 -48V POWER SUPPLY RETURN BAR (2 AWG)
 RECTIFIER FRAMES.
 COAX SUPPRESSION

SECTION "A" - SURGE ABSORBERS

INTERIOR GROUND RING (2 AWG)
 EXTERNAL EARTH GROUND FIELD (BURIED GROUND RING) (2 AWG)
 METALLIC COLD WATER PIPE (IF AVAILABLE) (2 AWG)
 BUILDING STEEL (IF AVAILABLE) (2 AWG)

SECTION "I" - ISOLATED GROUND ZONE

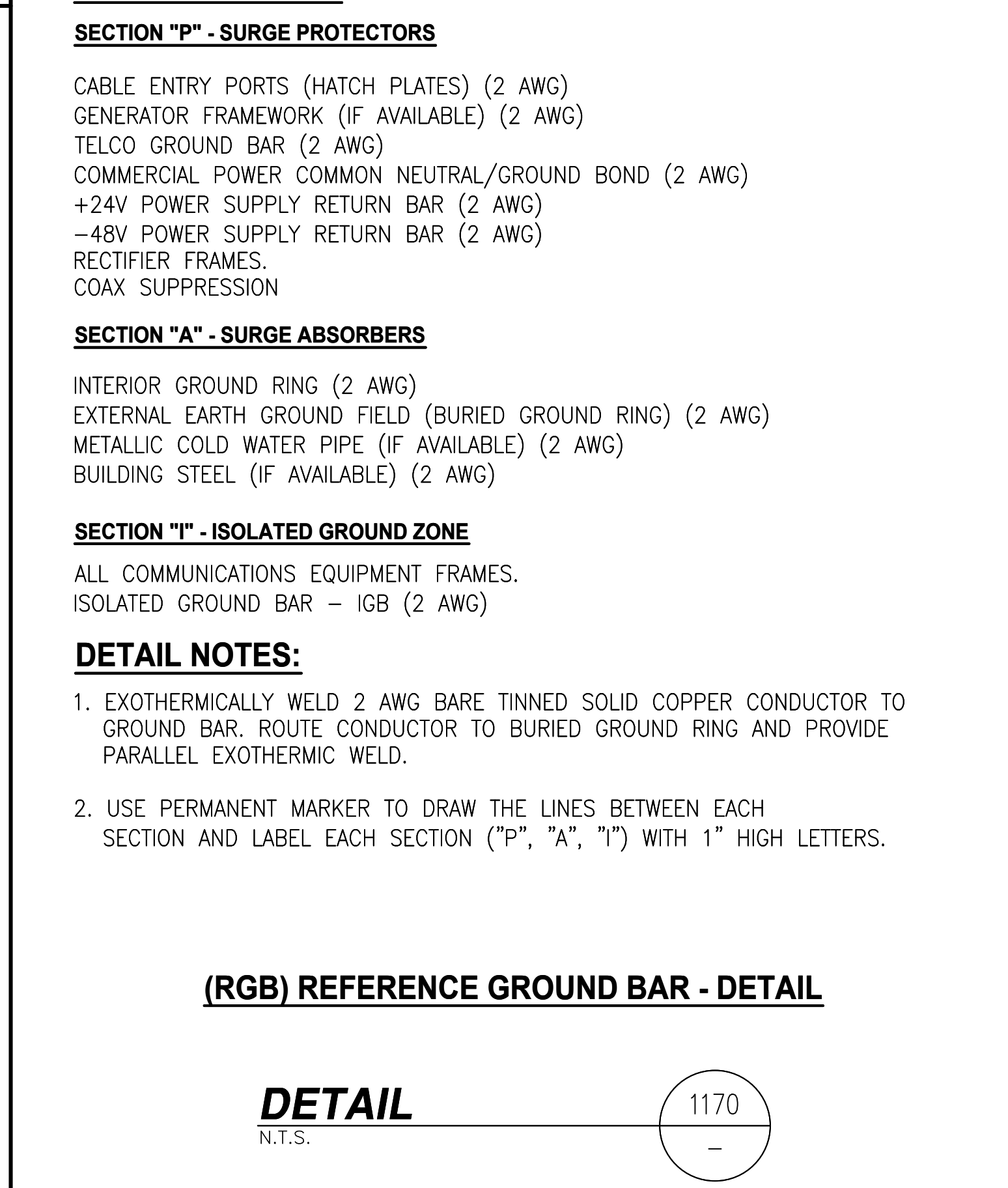
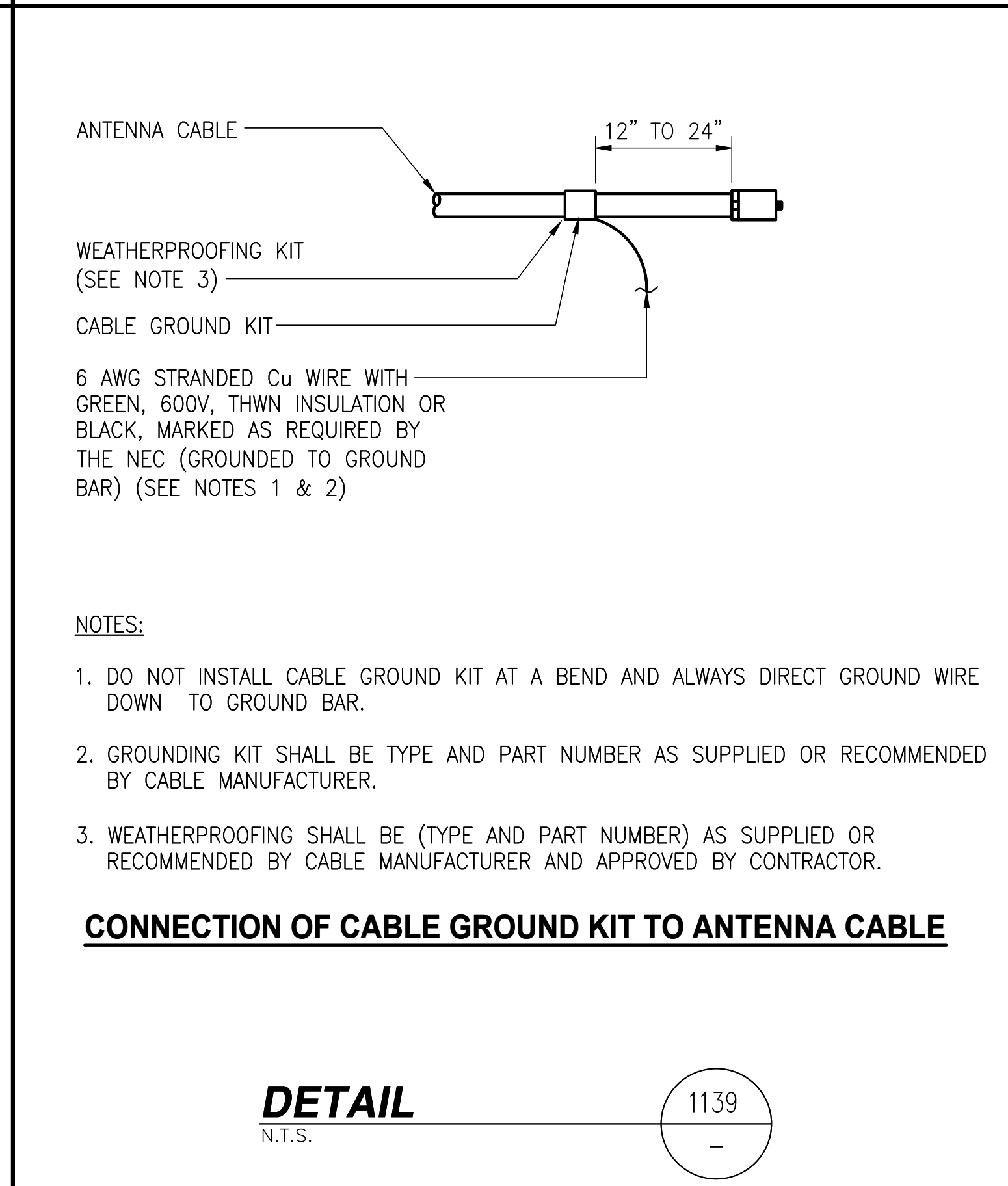
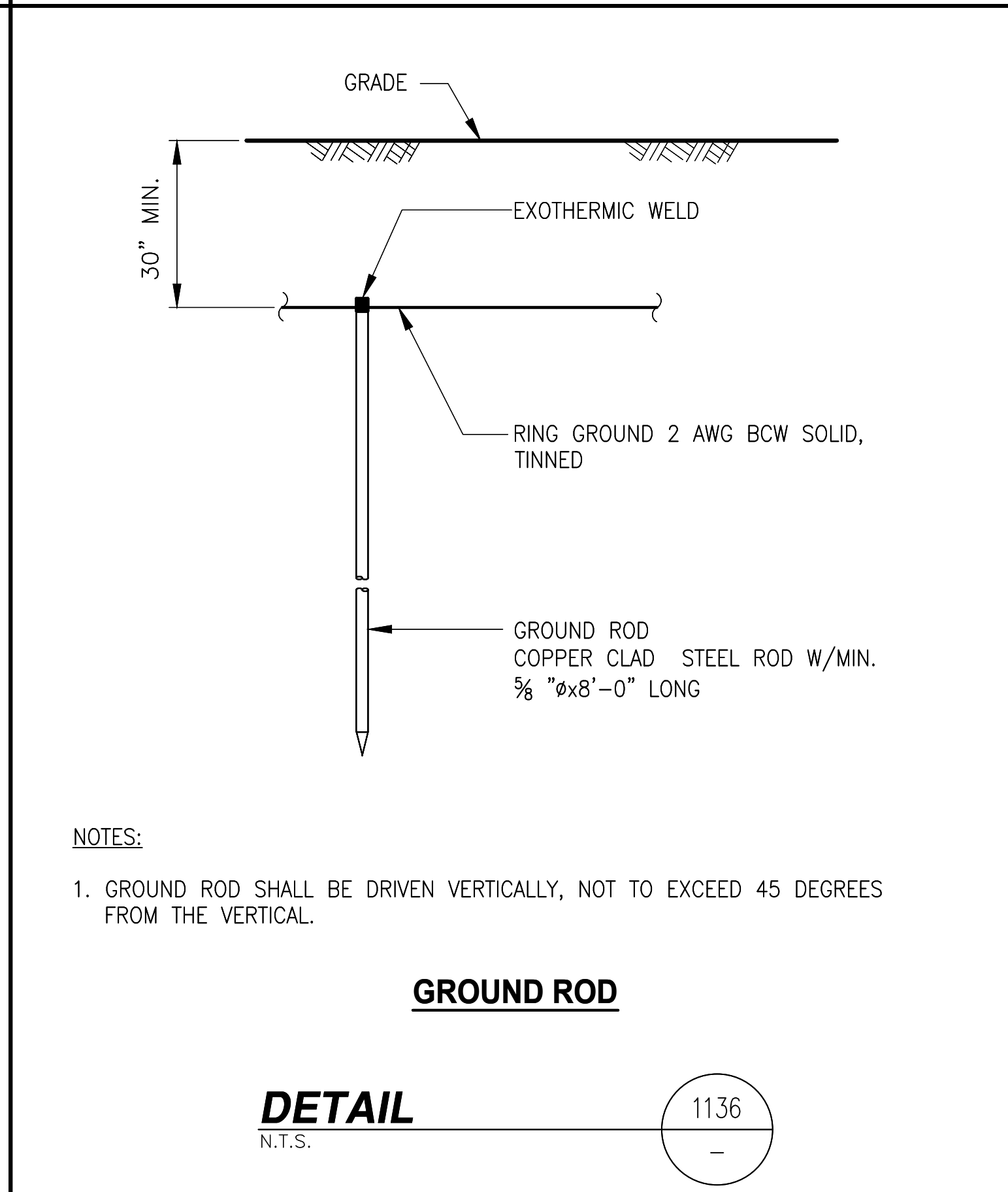
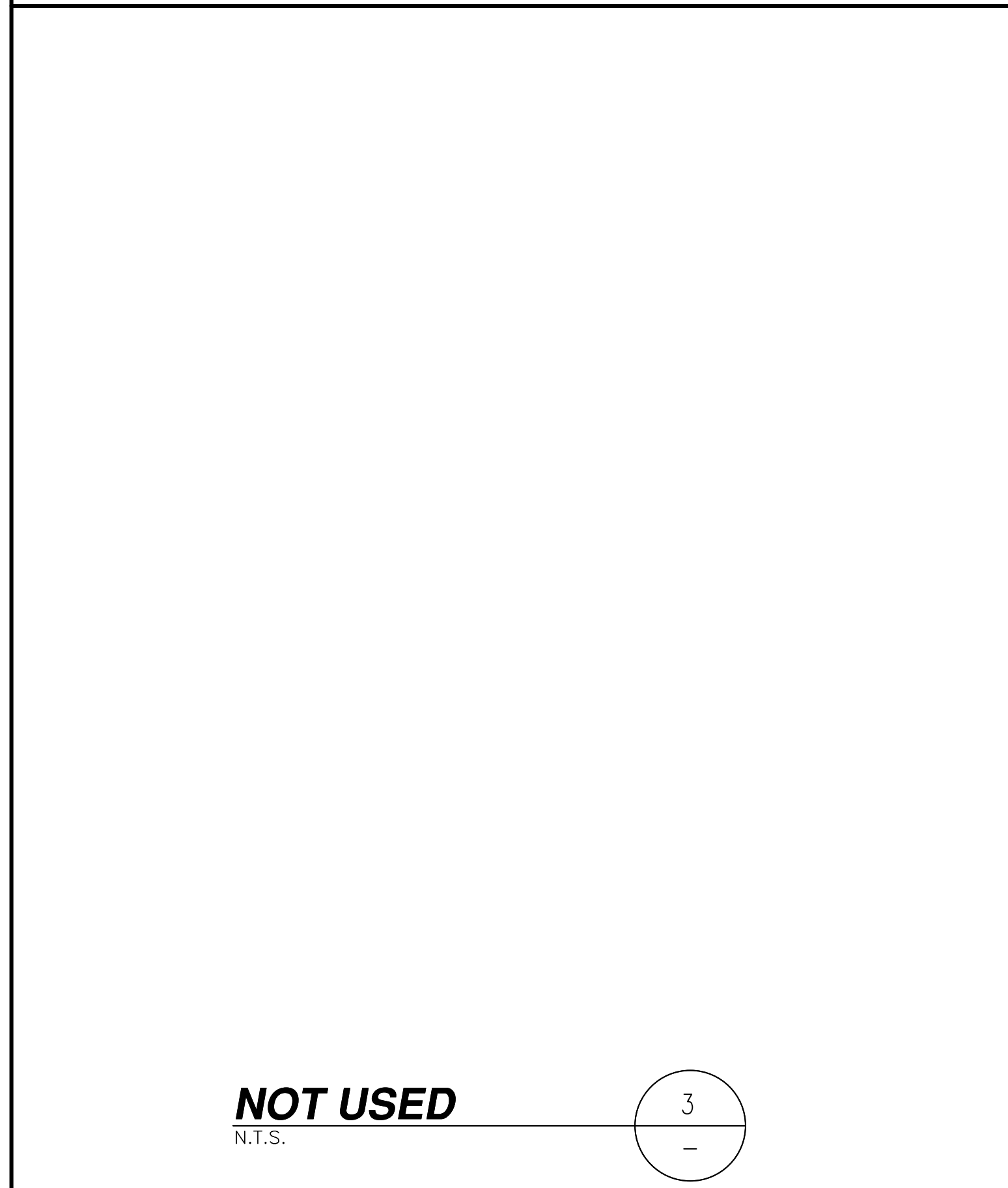
ALL COMMUNICATIONS EQUIPMENT FRAMES.
 ISOLATED GROUND BAR - IGB (2 AWG)

DETAIL NOTES:

- EXOTHERMICALLY WELD 2 AWG BARE TINNED SOLID COPPER CONDUCTOR TO GROUND BAR. ROUTE CONDUCTOR TO BURIED GROUND RING AND PROVIDE PARALLEL EXOTHERMIC WELD.
- USE PERMANENT MARKER TO DRAW THE LINES BETWEEN EACH SECTION AND LABEL EACH SECTION ("P", "A", "I") WITH 1" HIGH LETTERS.

(RGB) REFERENCE GROUND BAR - DETAIL

DETAIL 1170
N.T.S.



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SCALE AS SHOWN DESIGNED DRAWN



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GROUNDING DETAILS

JOB NO.	DRAWING NUMBER	REV.
	CX00021-E03	1

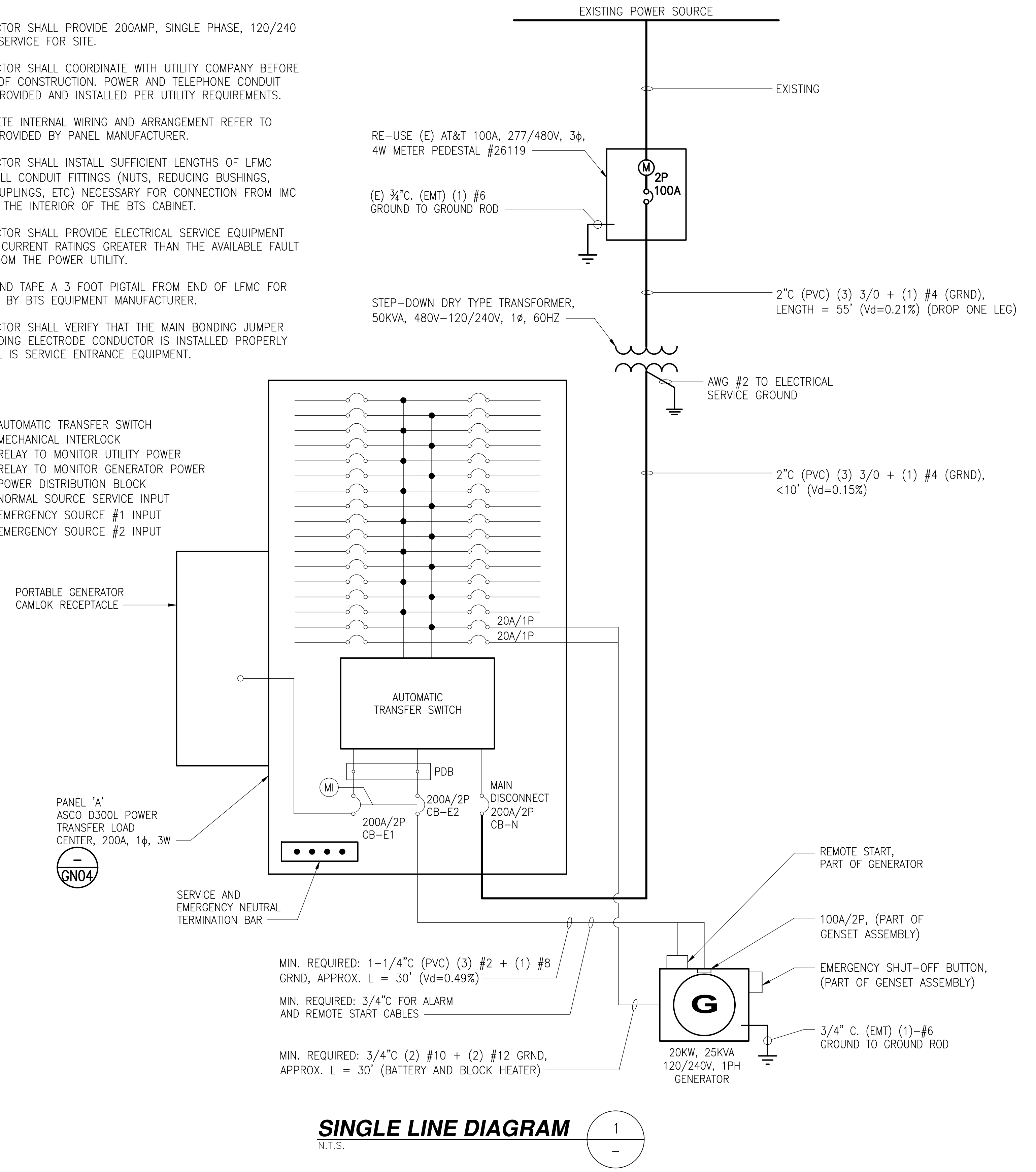
PANEL 'A' SCHEDULE (PART OF W.I.C. ASSEMBLY 'VERTIV')											
120/240V, 1 PHASE, 3W 200A BUS, 65 KAIC						200A MAIN BKR (COMMERCIAL PWR) 65 KAIC SERIES RATED UL LISTED SERVICE ENTRANCE EQUIPMENT					
MAIN BREAKER RATING (A) :			200			SYSTEM VOLTAGE (V) :			240		
DESCRIPTION	VA	c/nc	BKR	POSN	L1	L2	POSN	BKR	c/nc	VA	DESCRIPTION
RECTIFIER SHELF 1	2150	C	30	1	4300		2	30	C	2150	RECTIFIER SHELF 4
	2150	C		3		4300	4		C	2150	
RECTIFIER SHELF 2	2150	C	30	5	4300		6	30	C	2150	RECTIFIER SHELF 5
	2150	C		7		4300	8		C	2150	
RECTIFIER SHELF 3	2150	C	30	9	2150		10				
	2150	C		11		2150	12				
BATTERY CABINET HEATER MATS	540	NC	15	15		840	16	20	NC	300	GENERATOR BATTERY CHARGER
				17	0		18				
				19		0	20				
				21	0		22				
				23	0		24				
1-TON AC W/ 3.6KW HEATER	2000	NC	20	25	2000		26				
	2000	NC		27		2180	28	20	NC	180	GFCI RECEPTACLE (INT.)
APPLIANCE OUTLETS	720	NC	20	29	900		30	20	NC	180	GFCI RECEPTACLE (EXT.)
PHASE TOTALS (VA):					13650	13770					
CURRENT PER PHASE (A):					136	137	Amperes/phase cannot exceed main breaker rating				
PANEL TOTAL (VA):					27420		Legend: c = continuous, nc = non-continuous				
PANEL CAPACITY (kVA):					48.0		CONNECTED LOAD (kVA): 27.4				
PANEL LOADING (100% non-cont. load) (kVA):					5.9						
PANEL LOADING (125% continuous load) (kVA):					26.9						
PANEL LOADING (TOTAL) (kVA):					32.8						
SPARE CAPACITY (kVA):					15.2						

NOTES:
 1. MAIN (COMMERCIAL) BREAKER IS SQUARE D # QGL22200 WHICH IS RATED 65 KAIC. BRANCH BREAKERS SHALL BE SQUARE D TYPE QO RATED 10 KAIC. ALL BREAKERS PROVIDED BY GC.

- NOTES:
- SUBCONTRACTOR SHALL PROVIDE 200AMP, SINGLE PHASE, 120/240 VAC, 60HZ SERVICE FOR SITE.
 - SUBCONTRACTOR SHALL COORDINATE WITH UTILITY COMPANY BEFORE THE START OF CONSTRUCTION. POWER AND TELEPHONE CONDUIT SHALL BE PROVIDED AND INSTALLED PER UTILITY REQUIREMENTS.
 - FOR COMPLETE INTERNAL WIRING AND ARRANGEMENT REFER TO DRAWINGS PROVIDED BY PANEL MANUFACTURER.
 - SUBCONTRACTOR SHALL INSTALL SUFFICIENT LENGTHS OF LFMC INCLUDING ALL CONDUIT FITTINGS (NUTS, REDUCING BUSHINGS, ELBOWS, COUPLINGS, ETC) NECESSARY FOR CONNECTION FROM IMC CONDUIT TO THE INTERIOR OF THE BTS CABINET.
 - SUBCONTRACTOR SHALL PROVIDE ELECTRICAL SERVICE EQUIPMENT WITH FAULT CURRENT RATINGS GREATER THAN THE AVAILABLE FAULT CURRENT FROM THE POWER UTILITY.
 - CUT, COIL AND TAPE A 3 FOOT PIGTAIL FROM END OF LFMC FOR TERMINATING BY BTS EQUIPMENT MANUFACTURER.
 - SUBCONTRACTOR SHALL VERIFY THAT THE MAIN BONDING JUMPER AND GROUNDING ELECTRODE CONDUCTOR IS INSTALLED PROPERLY WHEN PANEL IS SERVICE ENTRANCE EQUIPMENT.

LEGEND:

- ATS = AUTOMATIC TRANSFER SWITCH
- MI = MECHANICAL INTERLOCK
- RU = RELAY TO MONITOR UTILITY POWER
- RG = RELAY TO MONITOR GENERATOR POWER
- PDB = POWER DISTRIBUTION BLOCK
- CB-N = NORMAL SOURCE SERVICE INPUT
- CB-E1 = EMERGENCY SOURCE #1 INPUT
- CB-E2 = EMERGENCY SOURCE #2 INPUT



PANEL SCHEDULE

2 SINGLE LINE DIAGRAM

SCALE: 1

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SCALE AS SHOWN DESIGNED DRAWN

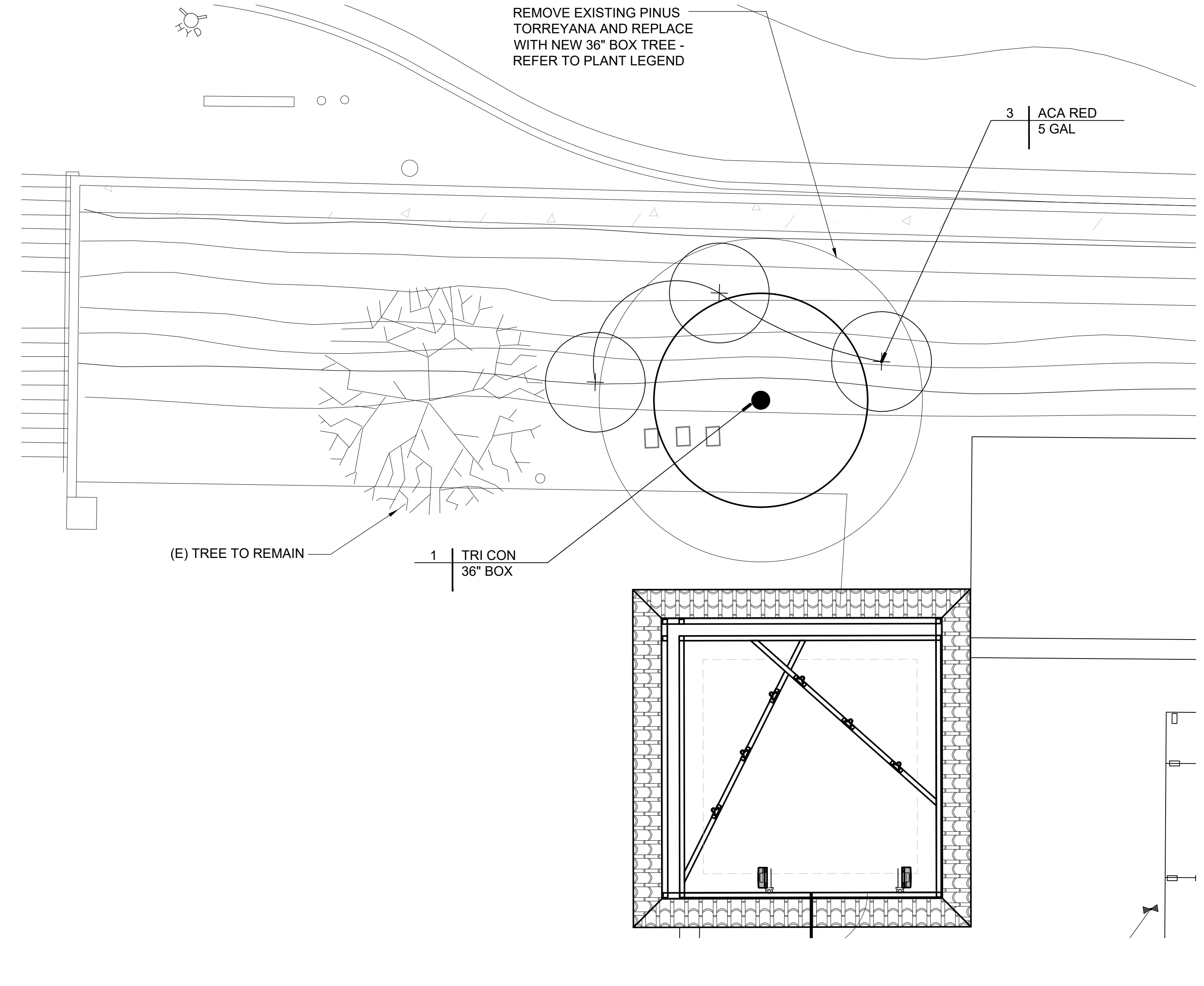


AT&T
**SINGLE LINE DIAGRAM AND
 PANEL SCHEDULE**
 JOB NO. DRAWING NUMBER REV.
 CX00021-E04 1

PLANT LEGEND

SYM.	ABBREV.	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY	MATURE SIZE	WUCOLS
TREES								
●	TRI CON	TRISTANIA CONFERTA	BRISBANE BOX	36" BOX	As Shown	1	30'-40' Height x 25' Width	LOW
SHRUBS								
+	ACA RED	ACACIA REDOLENS 'LOW BOY'	PROSTRATE ACACIA	5 Gal	As Shown	3	1'-2' Height x 10' Width	LOW

INSTALL 3" LAYER OF MULCH (MATCH EXISTING) IN ALL PLANTING AREAS



LANDSCAPE NOTES

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO FURNISH AND INSTALL PLANT MATERIAL AS SHOWN ON THE DRAWINGS AND AS DESCRIBED IN THE SPECS. UNLESS DESIGNATED ON THE DRAWINGS OTHERWISE, STRUCTURAL IMPROVEMENTS AND HARDSCAPE SHALL BE INSTALLED PRIOR TO PLANTING OPERATIONS.

ALL WORK ON THE IRRIGATION SYSTEM, INCLUDING HYDROSTATIC, COVERAGE, AND OPERATIONAL TESTS AND THE BACKFILLING AND COMPACTION OF TRENCHES SHALL BE PERFORMED PRIOR TO PLANTING OPERATIONS.

PLANT LIST ON THE DRAWINGS SHALL BE USED AS A GUIDE ONLY. CONTRACTOR SHALL TAKEOFF & VERIFY SIZES & QUANTITIES BY PLAN CHECK.

SAMPLES OF FERTILIZERS, ORGANIC AMENDMENT, SOIL CONDITIONERS, AND SEED SHALL BE SUBMITTED PRIOR TO INCORPORATION. CONTRACTOR SHALL FURNISH TO THE CITY/OWNER'S AUTHORIZED REPRESENTATIVE A CERTIFICATE OF COMPLIANCE FOR SUCH FURNISHED MATERIALS.

LOCATIONS OF PLANT MATERIAL SHALL BE REVIEWED ON SITE BY THE CITY/OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO INSTALLATION.

AMENDMENTS, AS INDICATED IN THE SOILS REPORT SHOWN ON THE DRAWINGS, ARE BASED ON AGRICULTURAL STABILITY SOILS TESTS PERFORMED PRIOR TO GRADING AND WERE PRESENTED FOR BIDDING PURPOSES. IF NO SOILS REPORT EXISTS, CONTRACTOR SHALL PROPOSE ON AMENDMENTS AS STATED IN THE SPECIFICATIONS. CONTRACTOR SHALL OBTAIN AGRICULTURAL SOILS TESTING AND RECOMMENDATIONS AFTER GRADING OPERATIONS AND PRIOR TO PLANT INSTALLATION.

TREES SHALL BE PLANTED NO CLOSER THAN TEN FEET (10') FROM UTILITIES. TREES PLANTED WITHIN FIVE FEET (5') OF HARDSCAPE OR STRUCTURES SHALL BE INSTALLED WITH A ROOT BARRIER AS APPROVED BY THE CITY/OWNER'S AUTHORIZED REPRESENTATIVE.

IF, DURING PLANTING OPERATIONS THERE SEEMS TO BE MINIMAL OR NO PERCOLATION IN PLANTING PITS, CONTRACTOR SHALL CEASE PLANTING OPERATIONS AND IMMEDIATELY NOTIFY THE CITY/OWNER'S AUTHORIZED REPRESENTATIVE TO DISCUSS ALTERNATIVE TO MAINTAINING POSITIVE ROOTBALL DRAINAGE MEASURES.

CONTRACTOR SHALL INSPECT AND VERIFY IRRIGATION SYSTEM IS WORKING PROPERLY. CONTRACTOR SHALL REPLACE AND/OR REPAIR DAMAGED IRRIGATION COMPONENTS.

AFTER SOIL HAS BEEN SET IN PLACE & PRIOR TO ANY SOIL PREPARATION, THE CONTRACTOR SHALL FURNISH SOIL TESTS OF THE SITE FOR AGRICULTURAL FERTILITY AND TO DETERMINE PROPER SOIL AMENDMENTS. TEST ARE TO BE PERFORMED BY A MEMBER OF THE CALIFORNIA ASSOCIATION OF AGRICULTURAL LABORATORIES WITH COPIES SENT TO THE OWNER & LANDSCAPE ARCHITECT, PRIOR TO INSTALLATION.

SOIL PREPARATION:
THE FOLLOWING IS PROVIDED FOR BID PURPOSES ONLY AND SHALL BE MODIFIED AS NECESSARY GIVEN THE RESULTS OF THE SOILS TEST. THE CONTRACTOR SHALL BE PREPARED TO PROVIDE DELIVERY SLIPS AND EMPTY FERTILIZER BAGS ON SITE FOR VERIFICATION OF MATERIAL.

- BACKFILL MIX FOR USE OF PLANTING ALL SHRUBS:
6 PARTS BY VOLUME ON SITE SOIL.
4 PARTS BY VOLUME ORGANIC AMENDMENT.
1 LB. 12-12-12 COMMERCIAL FERTILIZER PER CUBIC YARD.
1 LB. IRON SULFATE PER CU. YD. OF MIX.
- PLANT TABLETS FOR ALL SHRUBS:
3-21 GRAM AGRIFORM FERTILIZER TABLET PER 5 GAL SHRUB ADJACENT TO THE ROOTBALL.
- TOP DRESSING: ALL SHRUB AREAS ARE TO BE TOP DRESSED WITH 3" THICK LAYER OF SHREDDED TREE BARK. DECORATIVE BARK MAY BE USED IN WINDY AREAS.

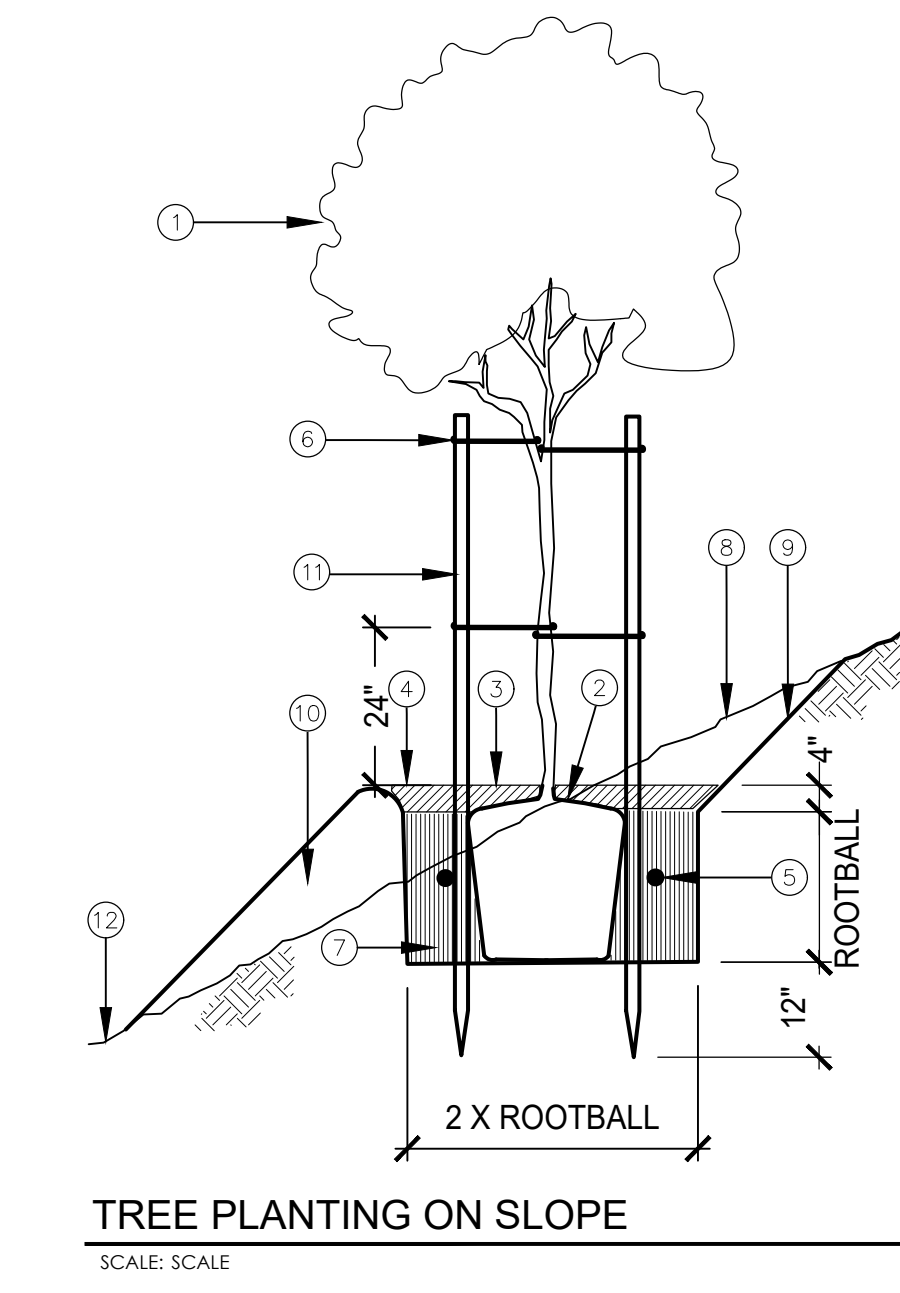
LANDSCAPE MAINTENANCE

LANDSCAPE WILL BE MAINTAINED BY AT&T.

PLANT TABS	
SIZE OF PLANT	NUMBER OF TABS PER PLANT
1 GAL	2
5 GAL	3
15 GAL	4
24" BOX	6

NOTE: PLACE TABS MAX 4" BELOW GRADE
SPACE TABS EVENLY AROUND PLANT

- LEGEND**
- 1.5 OR 15 GALLON SHRUB
 - CROWN OF SHRUB TO BE PLANTED 1 INCH ABOVE FINISHED GRADE
 - 3 INCH MULCH LAYER
 - TEMPORARY WATERING BASIN WITH 6 INCH BERM
 - FERTILIZER TABLETS. SEE TABLE
 - UNDISTURBED SOIL
 - BACKFILL SHALL BE 50% SITE SOIL AND 50% SOIL AMENDMENT (WATER SETTLED) OR AS PER AGRONOMIC SOILS REPORT
 - EXISTING 2:1 OR FLATTER SLOPE
 - 1:1 BACK CUT
 - 1:1 COMPACTED FRONT SLOPE
 - HEMP MESH FOR EROSION CONTROL



PLANT TABS	
SIZE OF PLANT	NUMBER OF TABS PER PLANT
1 GAL	2
5 GAL	3
15 GAL	4
24" BOX	6

NOTE: PLACE TABS MAX 4" BELOW GRADE
SPACE TABS EVENLY AROUND PLANT

- LEGEND**
- 15 GALLON OR BOXED TREE
 - CROWN OF TREE TO BE PLANTED 1 INCH ABOVE FINISHED GRADE
 - 3 INCH MULCH LAYER
 - PERMANENT WATERING BASIN WITH 6 INCH BERM
 - FERTILIZER TABLETS. SEE TABLE
 - 4 - V.I.T. CINCH-TIE TREE SUPPORTS TIED TO LODGE POLE
 - BACKFILL SHALL BE 50% SITE SOIL AND 50% SOIL AMENDMENT (WATER SETTLED) OR AS PER AGRONOMIC SOILS REPORT
 - EXISTING 2:1 OR FLATTER SLOPE
 - 1:1 BACK CUT
 - 1:1 COMPACTED FRONT SLOPE
 - 2 INCH DIAMETER LODGE POLE PINE TREE STAKE FOR 15 GALLON AND 24" BOX SIZE TREES. EXTEND STAKE 12 INCHES BELOW BOTTOM OF PLANT HOLE. DON NOT PENETRATE ROOT BALL
 - UNDISTURBED SOIL

PLANTING PLAN, LEGEND NOTES & DETAILS

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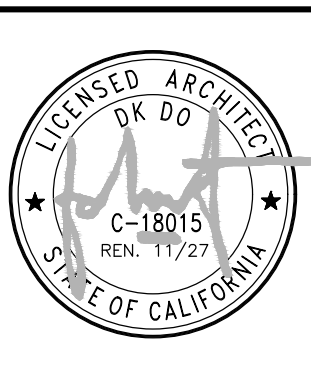
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0	11/10/25	ISSUED FOR CONSTRUCTION/PERMIT	LR	BOK	DKD

SCALE AS SHOWN DESIGNED DRAWN



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PLANTING PLAN, LEGEND, NOTES & DETAILS

JOB NO. DRAWING NUMBER REV.

CX00021-L-02 0

NORTH
0 1' 2' 3'
SCALE: 3/16"=1'-0" 1

OWNER'S NAME: SANTA MARGARITA WATER DISTRICT

ASSESSOR'S PARCEL NUMBER(S) 782-631-24

BASIS OF BEARINGS: (NAD83; EPOCH 2010) THE BEARINGS SHOWN HEREON ARE BASED CALIFORNIA STATE PLANE COORDINATE SYSTEM - ZONE 6. AS DETERMINED BY G.P.S. OBSERVATIONS, USING TRIMBLE 5700/5800 RECEIVERS AND TRIMBLE GEODETIC OFFICE 1.60 SOFTWARE.

BASIS OF ELEVATIONS: NAVD 1988 ELEVATIONS ARE BASED ON GPS OBSERVATIONS FROM TWO NATIONAL GEODETIC SURVEY C.O.R.S. REFERENCE STATIONS: 1) JPLM, ELEVATION = 1503.49' AND 2) TORP, ELEVATION = 103.77' WITH GEOID 2012 CORRECTIONS APPLIED.

SITE BENCHMARK IS A PK-NAIL/WASHER, LOCATED IN THE SOUTHERLY-MIDDLE OF PARKING LOT, AS SHOWN HEREON. ELEVATION = 592.93'

FEMA FLOOD ZONE DESIGNATION: National Flood Insurance Program:

County: ORANGE Map/Panel: 06059C0434J Effective Date: 12/3/2009

The Flood Zone Designation for this site is: ZONE: X

TITLE REPORT NOTES

(SEE PAGE B04 FOR TITLE NOTES)

PROPERTY LEGAL DESCRIPTION

PARCEL 1:

THAT PORTION OF PARCEL 2 OF THAT CERTAIN CERTIFICATE OF COMPLIANCE NO. CC 82-2, IN THE COUNTY OF ORANGE, STATE OF CALIFORNIA, RECORDED SEPTEMBER 3, 1982 AS INSTRUMENT NO. 82-313505 OF OFFICIAL RECORDS, DESCRIBED AS FOLLOWS:

BEGINNING AT THE INTERSECTION OF THE CENTERLINE OF ANTONIO PARKWAY WITH THE PROPOSED CENTERLINE OF OSO PARKWAY AS DESCRIBED IN PARCEL NO. 136 OF THAT CERTAIN "IRREVOCABLE OFFER TO CONVEY EASEMENT" TO THE COUNTY OF ORANGE RECORDED JULY 12, 1991 AS INSTRUMENT NO. 91-360555 OF OFFICIAL RECORDS, IN THE OFFICE OF SAID COUNTY RECORDER, AND AS SHOWN ON RECORD OF SURVEY 89-1113, FILED IN BOOK 123, PAGES 45 THROUGH 49, INCLUSIVE OF RECORDS OF SURVEY, IN THE OFFICE OF SAID COUNTY RECORDER; THENCE SOUTH 11° 30' 00" WEST 61.31 FEET ALONG THE SOUTHERLY PROLONGATION OF SAID CENTERLINE OF ANTONIO PARKWAY TO THE SOUTHERLY LINE OF SAID OSO PARKWAY AS DESCRIBED IN PARCEL NO. 118 OF THAT CERTAIN "IRREVOCABLE OFFER TO CONVEY EASEMENT" TO THE COUNTY OF ORANGE RECORDED JANUARY 28, 1991 AS INSTRUMENT NO. 91-40175 OF OFFICIAL RECORDS, THE OFFICE OF SAID COUNTY RECORDER, SAID SOUTHERLY LINE BEING A CURVE CONCAVE NORTHERLY HAVING A RADIUS OF 2410.00 FEET, A RADIAL LINE TO SAID CURVE BEARS SOUTH 00° 11' 57" EAST; THENCE WESTERLY 112.34 FEET ALONG SAID CURVE AND SAID SOUTHERLY LINE THROUGH A CENTRAL ANGLE OF 02° 40' 15"; THENCE SOUTH 02° 28' 18" WEST 9.00 FEET; THENCE SOUTH 38° 00' 51" EAST 395.55 FEET; THENCE SOUTH 11° 30' 00" WEST 200.00 FEET; THENCE SOUTH 09° 26' 07" WEST 152.43 FEET TO THE TRUE POINT OF BEGINNING; THENCE CONTINUING SOUTH 09° 26' 07" WEST 323.25 FEET TO THE BEGINNING OF A TANGENT CURVE CONCAVE WESTERLY HAVING A RADIUS OF 791.00 FEET; THENCE SOUTHERLY 62.07 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 04° 29' 45" TO THE BEGINNING OF A COMPOUND CURVE CONCAVE WESTERLY HAVING A RADIUS OF 2290.00 FEET; THENCE SOUTHERLY 22.74 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 00° 34' 08"; THENCE SOUTH 14° 30' 00" WEST 220.86 FEET; THENCE NORTH 81° 03' 47" WEST 331.66 FEET TO THE BEGINNING OF A TANGENT CURVE CONCAVE SOUTHERLY HAVING A RADIUS OF 80.00 FEET; THENCE WESTERLY 15.27 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 10° 56' 21"; THENCE SOUTH 87° 59' 52" WEST 82.91 FEET TO THE BEGINNING OF A TANGENT CURVE CONCAVE NORTHEASTERLY HAVING A RADIUS OF 35.00 FEET; THENCE NORTHWESTERLY 53.11 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 86° 56' 06"; THENCE NORTH 05° 04' 02" WEST 699.77 FEET; THENCE SOUTH 79° 05' 09" EAST 334.02 FEET; THENCE SOUTH 09° 58' 13" WEST 61.45 FEET; THENCE SOUTH 80° 01' 47" EAST 253.47 FEET; THENCE NORTH 09° 58' 13" EAST 19.00 FEET; THENCE SOUTH 80° 01' 47" EAST 81.00 FEET TO THE TRUE POINT OF BEGINNING.

SAID LAND IS SHOWN ON RECORD OF SURVEY NO. 95-1030, AS PER MAP RECORDED IN BOOK 154, PAGE 1 OF RECORDS OF SURVEY, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

EXCEPT THEREFROM THOSE PORTIONS OF SAID LAND CONVEYED TO L.F. MAINTENANCE CORPORATION, A NON-PROFIT MUTUAL BENEFIT CORPORATION, AS SET FORTH AND DESCRIBED BY THAT CERTAIN DOCUMENT RECORDED APRIL 3, 2003 AS INSTRUMENT NO. 2003-366751 OF OFFICIAL RECORDS.

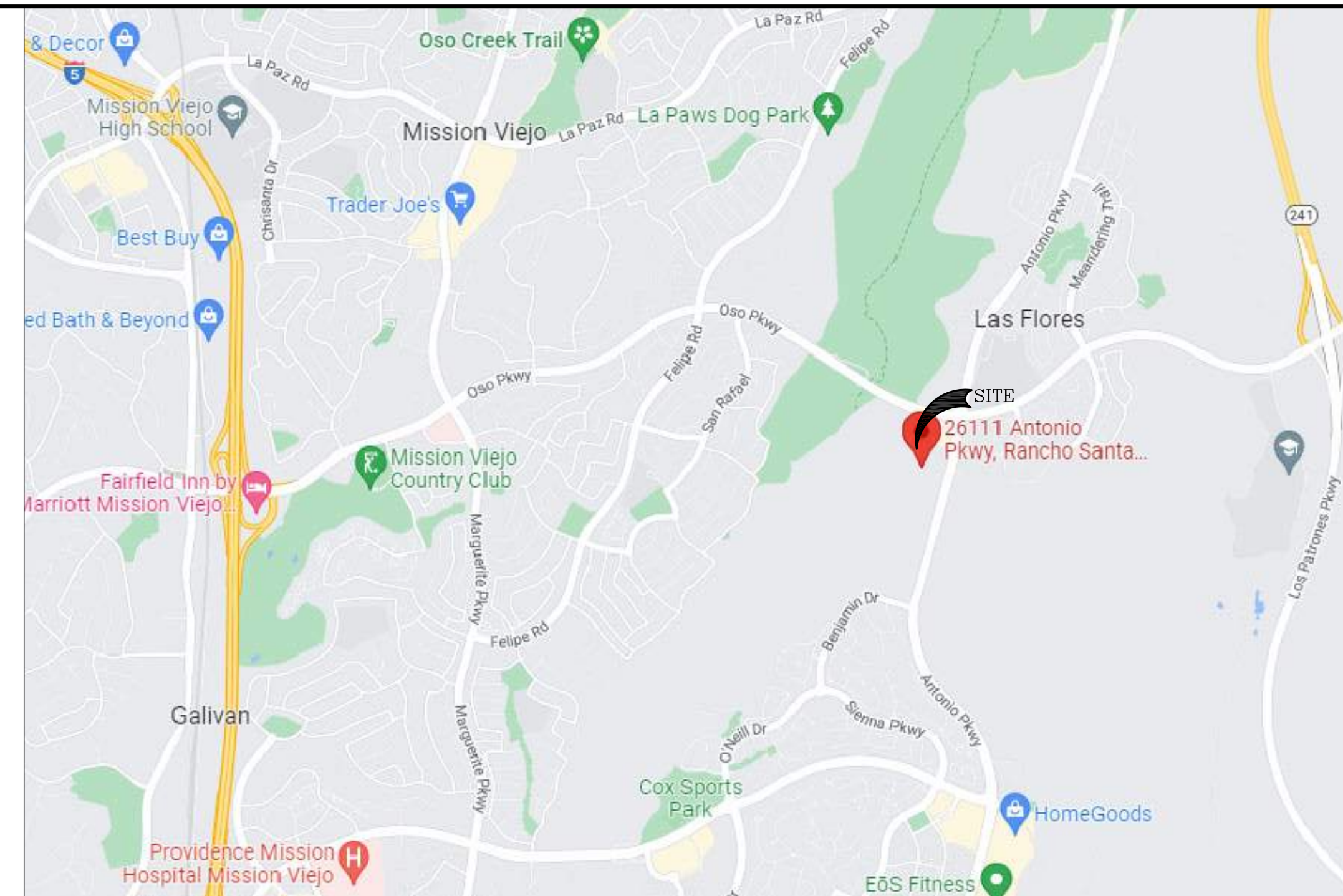
ALSO EXCEPT THEREFROM ANY AND ALL OIL, GAS, MINERALS, AND OTHER HYDROCARBON SUBSTANCES LYING BELOW A DEPTH OF 500 FEET, WITHOUT THE RIGHT OF SURFACE ENTRY, AS MORE PARTICULARLY SET FORTH AND PROVIDED IN THAT CERTAIN DOCUMENT RECORDED MARCH 24, 1992 AS INSTRUMENT NO. 92-178270 OF OFFICIAL RECORDS.

PARCEL 2:

EASEMENTS FOR INGRESS, EGRESS, USE AND ENJOYMENT OF TRAILS WITHIN THE TRAIL AND LANDSCAPE SYSTEM DESCRIBED IN SECTION 2.5, ARTICLE II OF THE DECLARATION RECORDED MARCH 24, 1992 AS INSTRUMENT NO. 92-178269 OF OFFICIAL RECORDS.

PARCEL 3:

A NON-EXCLUSIVE EASEMENT ("GRANTED WALL EASEMENT") OVER THOSE PORTIONS OF LOT 6 DESCRIBED AND/OR DEPICTED ON "SCHEDULE 2" ATTACHED TO THE GRANT DEED RECORDED MARCH 24, 1992 AS INSTRUMENT NO. 92-178270 OF OFFICIAL RECORDS, AS THE "ENCUMBERED AREA" FOR THE PLACEMENT AND MAINTENANCE OF THE WALL.

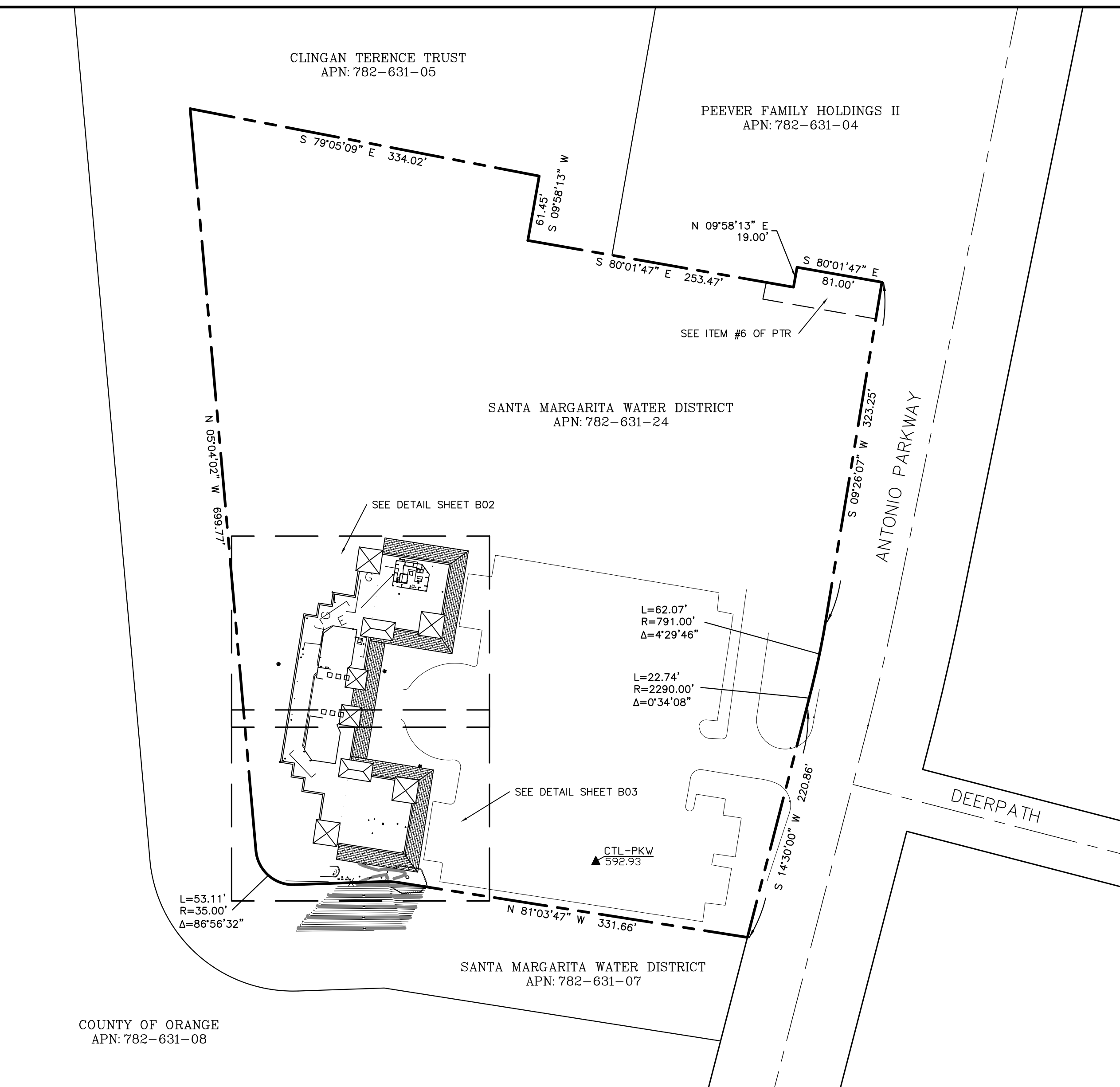


VICINITY MAP

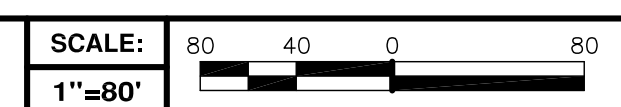
LEGEND

- Legend symbols for various features: ANTENNA, BUSH, CAMERA, ELECTRIC BOX, IRRIGATION BOX, MONUMENT FOUND, PANEL ANTENNA, ROOF DRAIN EXTERIOR, ROOF OUTLET, ROOF VENT, SATELLITE DISH, STORM DRAIN ROOF, TREE DECIDUOUS, TREE PALM, WATER VALVE, ROOF GAS LINE, ROOF ELECTRIC CONDUIT, ROOF WATER PIPES, ANTENNA WIP/TV, CONCRETE SURFACE, EDGE OF ROCKS, FENCE TOP, HEATER/AIR CONDITIONER, IRRIGATION CABINET, CAMERA, GROUND SPOT ELEVATION, ROOF STORM DRAIN, ROOF DRAIN PARAPET, ROOF FLOOR, ROOF AC UNIT, ROOF FAN, ROOF GRADE BREAK, ROOF HATCH, ROOF PARAPET, ROOF SCREEN, ROOF SUPPORT BEAM, ROOF PLATFORM, ROOF TOE, ROOF TOP, SKY LIGHT, TOP OF CURB, TELCO CABLE TRAY, TOP OF PANEL ANTENNA, TREE DRIP LINE EDGE, TREE TOP DECIDUOUS, BOUNDARY LINE, CENTER LINE, MISC. PROPERTY LINE, MISC. TIE LINE, RIGHT-OF-WAY LINE, EASEMENT LINE, FENCE LINE, BUILDING EDGE, OVERHEAD WIRES.

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4) Field survey completed on March 22, 2022



OVERALL SITE PLAN



FLOYD SURVEYING
34006 GALLERON STREET
TEMECULA, CA 92592
OFFICE: (949) 200-0626
EMAIL: fsi@floydsurveying.com

DCI PACIFIC A|E|C WORKS
ARCHITECTURE | ENGINEERING | CONSULTING
26 EXECUTIVE PARK | SUITE 170 | IRVINE | CA 92614
T 949 475.1000 | 949 475.1001 F

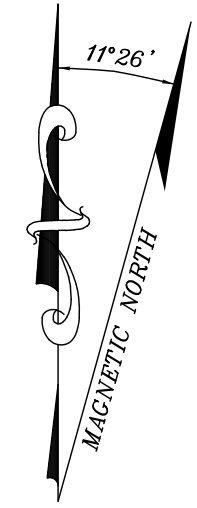
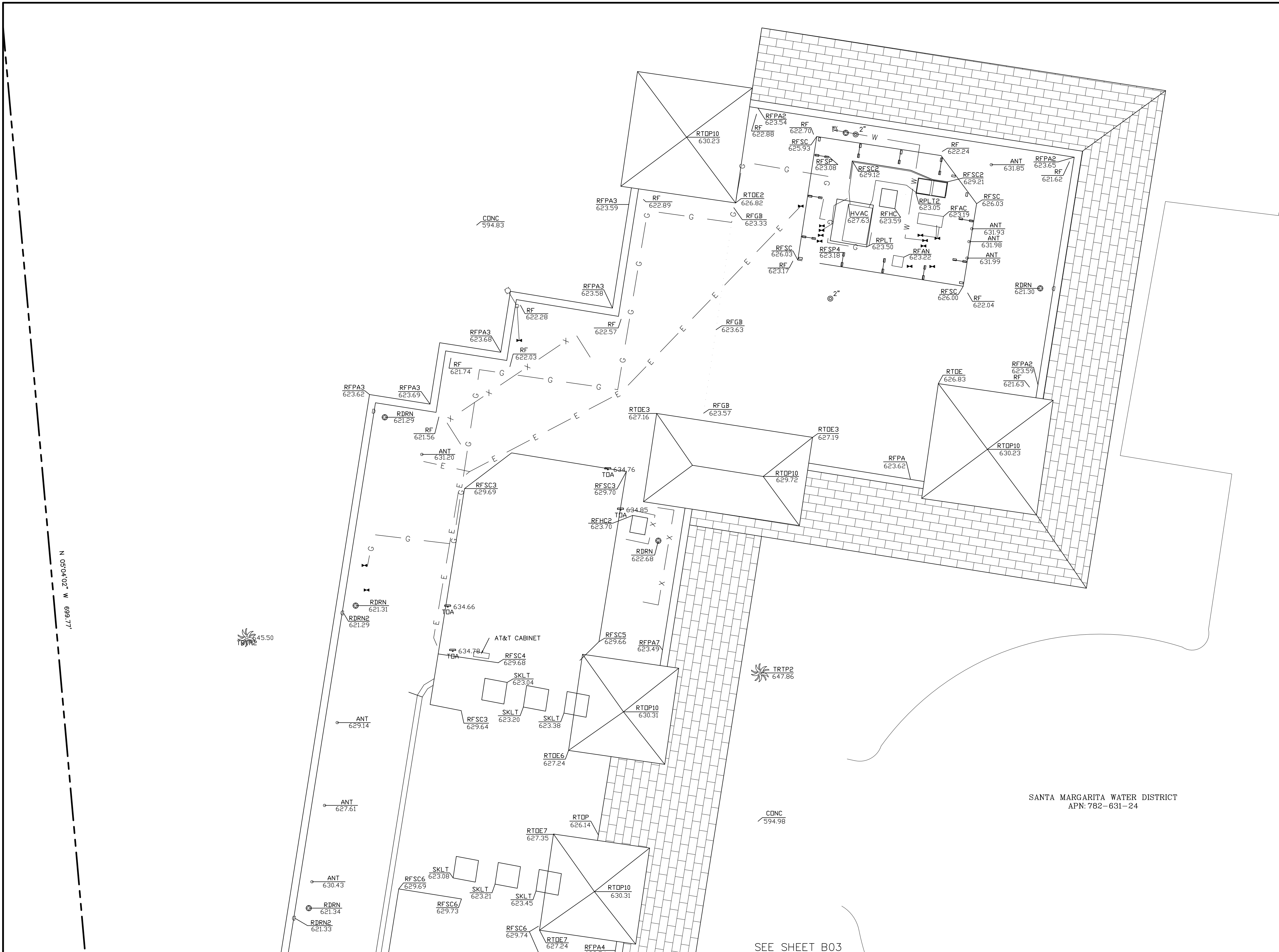
CXL00021
26111 ANTONIO PARKWAY
RANCHO SANTA MARGARITA, CA 92688

at&t Mobility
1452 EDINGER AVENUE, 3RD FLOOR
TUSTIN, CA 92780

Table with columns for NO., DATE, and REVISIONS. Row 1: 1, 4/24/22, TITLE REVIEW. Row 2: 0, 3/25/22, ISSUED FOR ZONING SUBMITTAL.



SHEET TITLE: TOPOGRAPHIC SURVEY
SHEET NUMBER: B01



LEGEND

- | | | |
|-----------------------------|-------|------------------------|
| ○ ANTENNA | ANT | ANTENNA WIP/TV |
| ◇ BUSH | CONC | CONCRETE SURFACE |
| ◊ CAMERA | EOR | EDGE OF ROCKS |
| □ ELECTRIC BOX | FNCP | FENCE TOP |
| ▣ IRRIGATION BOX | HVAC | HEATER/AIR CONDITIONER |
| ● MONUMENT FOUND | IRCB | IRRIGATION CABINET |
| ○ PANEL ANTENNA | LP-3 | CAMERA |
| ○ ROOF DRAIN EXTERIOR | NG | GROUND SPOT ELEVATION |
| ○ ROOF OUTLET | RDRN | ROOF STORM DRAIN |
| ○ ROOF VENT | RDRN2 | ROOF DRAIN PARAPET |
| ▲ SATALITE DISH | RF | ROOF FLOOR |
| ○ STORM DRAIN ROOF | RFAC | ROOF AC UNIT |
| ○ TREE DECIDUOUS | RFAN | ROOF FAN |
| ☼ TREE PALM | RFBG | ROOF GRADE BREAK |
| ⊕ WATER VALVE | RFHC | ROOF HATCH |
| — G — ROOF GAS LINE | RFPA | ROOF PARAPET |
| — E — ROOF ELECTRIC CONDUIT | RFSC | ROOF SCREEN |
| — W — ROOF WATER PIPES | Rfsp | ROOF SUPPORT BEAM |
| | RPLT | ROOF PLATFORM |
| | RTOE | ROOF TOE |
| | RTOP | ROOF TOP |
| | SKLT | SKY LIGHT |
| | TC | TOP OF CURB |
| | TLRN | TELCO CABLE TRAY |
| | TOA | TOP OF PANEL ANTENNA |
| | TRL | TREE DRIP LINE EDGE |
| | TRTP | TREE TOP DECIDUOUS |
| --- | | BOUNDARY LINE |
| --- | | CENTER LINE |
| --- | | MISC. PROPERTY LINE |
| --- | | MISC. TIE LINE |
| --- | | RIGHT-OF-WAY LINE |
| --- | | EASEMENT LINE |
| --- | | FENCE LINE |
| --- | | BUILDING EDGE |
| --- | | OVERHEAD WIRES |

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SANTA MARGARITA WATER DISTRICT
APN: 782-631-24

SEE SHEET B03

ROOF DETAIL SITE PLAN SCALE: 1"=10' 10 5 0 10

FLOYD SURVEYING
34006 GALLERON STREET
TEMECULA, CA 92592
OFFICE: (949) 200-0626
EMAIL: fsi@floydsurveying.com

DCI PACIFIC
A|E|C WORKS
ARCHITECTURE | ENGINEERING | CONSULTING
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Mobility
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TUSTIN, CA 92780

NO.	DATE	REVISIONS	BY	CHK	APP'D
1	4/24/22	TITLE REVIEW	DAF	DAF	DAF
0	3/25/22	ISSUED FOR ZONING SUBMITTAL	DAF	DAF	DAF
SCALE		AS SHOWN	DESIGNED	DRAWN	



SHEET TITLE: **TOPOGRAPHIC SURVEY**
SHEET NUMBER: **B02**

SEE SHEET B02

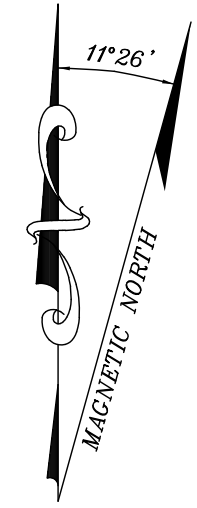
N 05°04'02" W 698.77'

L=53.11' Δ=26°56'32" R=35.00'

S 87°59'52" W 82.91'

L=15.27' Δ=10°56'11" R=80.00'

N 81°03'47" W 331.66'



LEGEND

- ANTENNA
- ◇ BUSH
- ◌ CAMERA
- ▣ ELECTRIC BOX
- ▣ IRRIGATION BOX
- MONUMENT FOUND
- ◌ PANEL ANTENNA
- ◌ ROOF DRAIN EXTERIOR
- ⊕ ROOF OUTLET
- ⊙ ROOF VENT
- ⊕ SATALITE DISH
- ⊙ STORM DRAIN ROOF
- ☼ TREE DECIDUOUS
- ☼ TREE PALM
- ⊕ WATER VALVE
- G — ROOF GAS LINE
- E — ROOF ELECTRIC CONDUIT
- W — ROOF WATER PIPES
- ANT ANTENNA WIP/TV
- CONC CONCRETE SURFACE
- EOR EDGE OF ROCKS
- FNCP FENCE TOP
- HVAC HEATER/AIR CONDITIONER
- IRCB IRRIGATION CABINET
- LP-3 CAMERA
- NG GROUND SPOT ELEVATION
- RDRN ROOF STORM DRAIN
- RDRN2 ROOF DRAIN PARAPET
- RF ROOF FLOOR
- RFAC ROOF AC UNIT
- RFAN ROOF FAN
- RFGB ROOF GRADE BREAK
- RFHC ROOF HATCH
- RFPA ROOF PARAPET
- RFSC ROOF SCREEN
- RFSP ROOF SUPPORT BEAM
- RPLT ROOF PLATFORM
- RTOE ROOF TOE
- RTOP ROOF TOP
- SKLT SKY LIGHT
- TC TOP OF CURB
- TLRN TELCO CABLE TRAY
- TOA TOP OF PANEL ANTENNA
- TRL TREE DRIP LINE EDGE
- TRTP TREE TOP DECIDUOUS
- — — BOUNDARY LINE
- — — CENTER LINE
- — — MISC. PROPERTY LINE
- — — MISC. TIE LINE
- — — RIGHT-OF-WAY LINE
- — — EASEMENT LINE
- X — FENCE LINE
- ▣ BUILDING EDGE
- — — OVERHEAD WIRES

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SANTA MARGARITA WATER DISTRICT
APN: 782-631-07

SANTA MARGARITA WATER DISTRICT
APN: 782-631-24

ROOF DETAIL SITE PLAN SCALE: 1"=10'

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NO.	DATE	REVISIONS	BY	CHK	APP'D
1	4/24/22	TITLE REVIEW	DAF	DAF	DAF
0	3/25/22	ISSUED FOR ZONING SUBMITTAL	DAF	DAF	DAF

SCALE AS SHOWN DESIGNED DRAWN



SHEET TITLE: TOPOGRAPHIC SURVEY
SHEET NUMBER: B03

TITLE REPORT NOTES

TITLE REPORT NOTES:

THE FOLLOWING EASEMENTS EFFECT SAID PARCEL ACCORDING TO PRELIMINARY TITLE REPORT:

PREPARED BY – COMMONWEALTH LAND TITLE INSURANCE COMPANY
 TITLE NO. – 92017648–920–CMM–CM8
 DATED – APRIL 11, 2022

SEE SAID TITLE REPORT FOR OTHER DOCUMENTS (NON–EASEMENTS) EFFECTING SAID PROPERTY. NO RESEARCH WAS PERFORMED BY FLOYD SURVEYING BUT RELIED UPON SAID TITLE REPORT FOR THE EASEMENTS REVIEWED BELOW:

ITEM #6 – Covenants, conditions, restrictions and easements but omitting any covenants or restrictions, if any, including but not limited to those based upon age, race, color, religion, sex, gender, gender identity, gender expression, sexual orientation, marital status, national origin, ancestry, familial status, source of income, disability, veteran or military status, genetic information, medical condition, citizenship, primary language, and immigration status, as set forth in applicable state or federal laws, except to the extent that said covenant or restriction is permitted by applicable law, as set forth in the document

Recording Date: March 24, 1992
 Recording No: 92–178270 of Official Records
 (SOME – AS SHOWN HEREON – DOES NOT CROSS PROJECT AREA)
 (MOST – EXACT LOCATION IS NOT DISCLOSED OF RECORD)

ITEM #7 – Matters contained in that certain document

Entitled: Agreement Regarding Grant of Easement
 Dated: March 17, 1992
 Executed by: Santa Margarita Company, a California corporation, and Santa Margarita Water District, a public corporation
 Recording Date: March 24, 1992
 Recording No: 92–178275 of Official Records
 (DOES NOT CROSS PROJECT AREA)

ITEM #8 – Matters contained in that certain document

Entitled: Agreement Regarding Landscape Zone
 Dated: March 17, 1992
 Executed by: Santa Margarita Company, a California corporation, and Santa Margarita Water District, a public corporation
 Recording Date: March 24, 1992
 Recording No: 92–178276 of Official Records
 (EXACT LOCATION IS NOT DISCLOSED OF RECORD)

ITEM #9 – Matters contained in that certain document

Entitled: Agreement Regarding Fuel Modification Zone
 Dated: March 17, 1992
 Executed by: Santa Margarita Company, a California corporation, and Santa Margarita Water District, a public corporation
 Recording Date: March 24, 1992
 Recording No: 92–178277 of Official Records
 (DOES NOT CROSS PROJECT AREA)

ITEM #10 – Matters contained in that certain document

Entitled: Agreement Regarding Wall Construction and Maintenance
 Dated: March 17, 1992
 Executed by: Santa Margarita Company, a California corporation, and Santa Margarita Water District, a public corporation
 Recording Date: March 24, 1992
 Recording No: 92–178278 of Official Records
 (EXACT LOCATION IS NOT DISCLOSED OF RECORD)

ITEM #11 – Matters contained in that certain document

Entitled: Agreement between Landowners
 Dated: March 17, 1992
 Executed by: Santa Margarita Company, a California corporation, and Santa Margarita Water District, a public corporation
 Recording Date: March 24, 1992
 Recording No: 92–178279 of Official Records
 (EXACT LOCATION IS NOT DISCLOSED OF RECORD)

ITEM #12 – An unrecorded lease with certain terms, covenants, conditions and provisions set forth therein as disclosed by the document

Entitled: Memorandum of Lease
 Lessor: Santa Margarita Water District, a California water district
 Lessee: Pacific Bell Mobile Services, a California corporation
 Recording Date: December 18, 1996
 Recording No: 96–636165 of Official Records
 (EXACT LOCATION IS NOT DISCLOSED OF RECORD)

ITEM #13 – An unrecorded lease with certain terms, covenants, conditions and provisions set forth therein as disclosed by the document

Entitled: Memorandum of Lease
 Lessor: Santa Margarita Water District
 Lessee: Los Angeles SMSA Limited Partnership, a California limited partnership
 Recording Date: March 8, 1999
 Recording No: 99–164078 of Official Records
 (EXACT LOCATION IS NOT DISCLOSED OF RECORD)

ITEM #14 – Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to: CoxCom Inc., d/b/a Cox Communications Orange County
 Purpose: Ingress and egress, and necessary access to utility rooms and buildings to construct, place, operate, inspect, maintain, repair, replace and remove telecommunications facilities
 Recording Date: November 21, 2000
 Recording No: 2000–636332 of Official Records
 (EXACT LOCATION IS NOT DISCLOSED OF RECORD)

ITEM #15 – An unrecorded lease with certain terms, covenants, conditions and provisions set forth therein as disclosed by the document

Entitled: Memorandum of Lease Agreement
 Lessor: Santa Margarita Water District, a California public corporation
 Lessee: Royal Street Communications, LLC, a Delaware limited liability company
 Recording Date: February 6, 2008
 Recording No: 2008–54977 of Official Records
 (EXACT LOCATION IS NOT DISCLOSED OF RECORD)

END OF EASEMENTS

LEGEND

◦ ANTENNA	ANT	ANTENNA WIP/TV
◇ BUSH	CONC	CONCRETE SURFACE
○ CAMERA	EOR	EDGE OF ROCKS
□ ELECTRIC BOX	FNCP	FENCE TOP
■ IRRIGATION BOX	HVAC	HEATER/AIR CONDITIONER
● MONUMENT FOUND	IRCB	IRRIGATION CABINET
☐ PANEL ANTENNA	LP-3	CAMERA
○ ROOF DRAIN EXTERIOR	NG	GROUND SPOT ELEVATION
➤ ROOF OUTLET	RDRN	ROOF STORM DRAIN
⊙ ROOF VENT	RDRN2	ROOF DRAIN PARAPET
⚡ SATALITE DISH	RF	ROOF FLOOR
⊙ STORM DRAIN ROOF	RFAC	ROOF AC UNIT
○ TREE DECIDUOUS	RFAN	ROOF FAN
☼ TREE PALM	RFBG	ROOF GRADE BREAK
⊠ WATER VALVE	RFHC	ROOF HATCH
— G — ROOF GAS LINE	RFFA	ROOF PARAPET
— E — ROOF ELECTRIC CONDUIT	RFSC	ROOF SCREEN
— W — ROOF WATER PIPES	RFSP	ROOF SUPPORT BEAM
	RPLT	ROOF PLATFORM
	RTOE	ROOF TOE
	RTP	ROOF TOP
	SKLT	SKY LIGHT
	TC	TOP OF CURB
	TLRN	TELCO CABLE TRAY
	TOA	TOP OF PANEL ANTENNA
	TRL	TREE DRIP LINE EDGE
	TRTP	TREE TOP DECIDUOUS
		BOUNDARY LINE
		CENTER LINE
		MISC. PROPERTY LINE
		MISC. TIE LINE
		RIGHT-OF-WAY LINE
		EASEMENT LINE
		FENCE LINE
		BUILDING EDGE
		OVERHEAD WIRES

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4) Field survey completed on March 22, 2022

TITLE NOTES

SCALE:	80	40	0	80
	1"=80'			

SHEET TITLE SHEET NUMBER

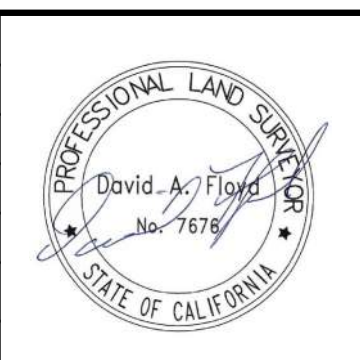
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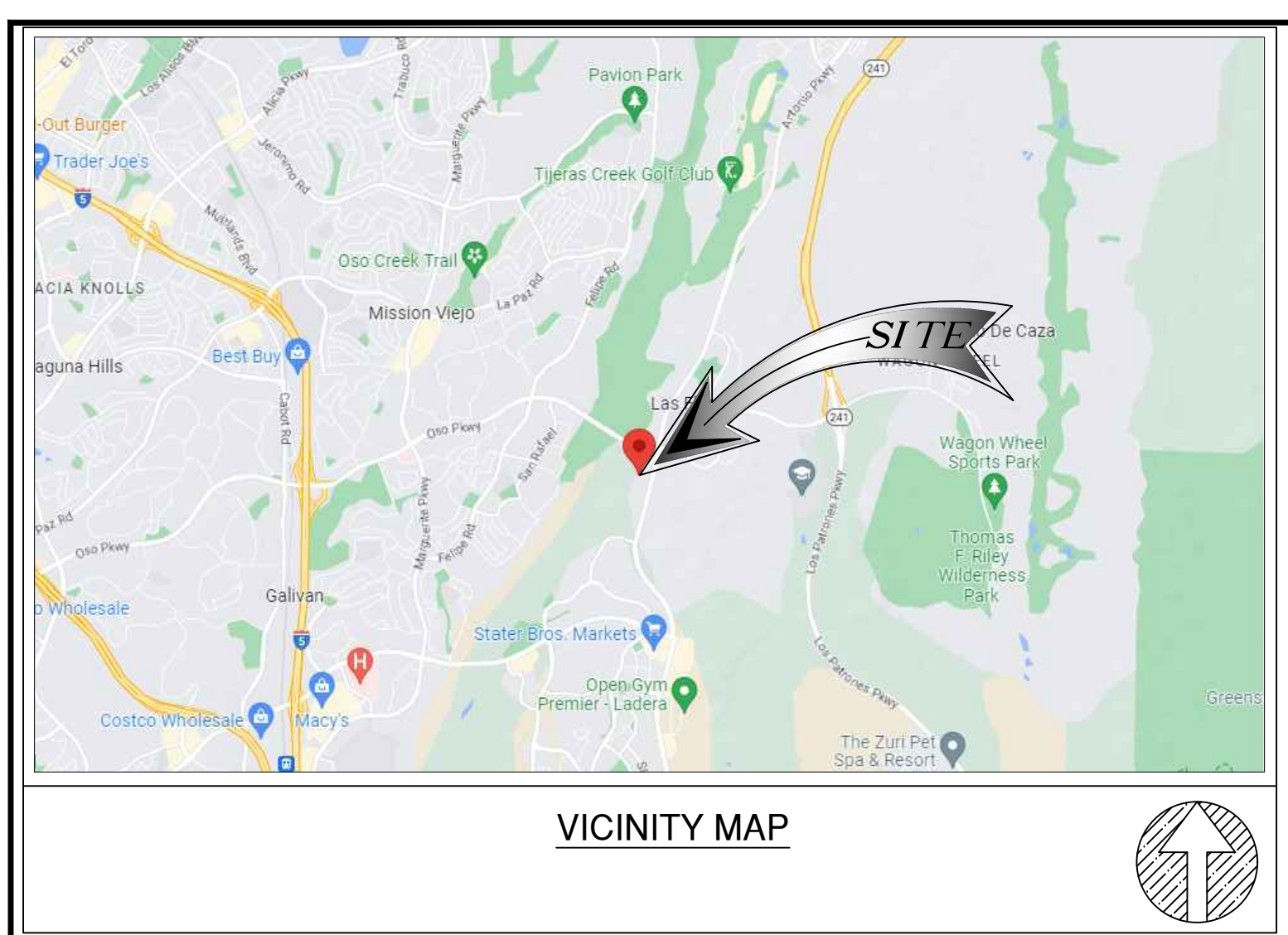


TOPOGRAPHIC SURVEY

B04

TOPOGRAPHIC SURVEY

CXL00021 - 26111 ANTONIO PKWY



LEGEND

	MINOR CONTOURS		TREE
	MAJOR CONTOURS		EXISTING CONCRETE
	CENTER LINE		LANDSCAPE
	RIGHT OF WAY LINE		AC PAVEMENT
	PROPERTY LINE		
	CHAIN-LINK FENCE		
	WOOD FENCE		
	BRIDGE RAILING		
	RETAINING WALL		
	EDGE OF PAVEMENT		
	ELECTRICAL MANHOLE		
	FIRE HYDRANT		
	CATCH BASIN		
	PEDESTRIAN SIGNAL LIGHT		
	EXISTING STREET LIGHT		
	EXISTING TRAFFIC SIGNAL		
	EXISTING SIGN		
	GUY WIRE ANCHOR (GWIRE)		

BASIS OF BEARING: (NAD83: EPOCH 2011)
 THE BEARINGS SHOWN HEREON ARE BASED FROM THE CENTERLINE OF LAKEVIEW DR., BEING N43°25'00"W, RECORDED IN TRACT MAP NO. 2575, MAP BOOK NO. 36, PAGE 74, IN THE OFFICE OF THE RECORDER OF THE COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA.

BASIS OF ELEVATIONS: (NAVD 1988)
 ELEVATIONS ARE BASED ON BENCHMARK NOTED HEREON.

BENCH MARK
 OCS BENCHMARK, LEVELED IN YEAR 2004 @ 584.747 FEET A.M.S.L., DESCRIBED AS FOLLOWS "3-3/4" ALUMINUM BENCHMARK DISK STAMPED "3EE-26-92" SET FLUSH AT THE SOUTH EAST CORNER OF 4.4 FT. BY 5 FT. CATCH BASIN. MONUMENT IS LOCATED 5 FT. EASTERLY OF THE EASTERLY CURB FACE ALONG ANTONIO, IN THE NORTHEAST CORNER OF ANTONIO PARKWAY AND OSO PARKWAY, 44 FT. EASTERLY OF CENTERLINE OF ANTONIO PARKWAY, 200 FT. NORTHERLY OF CENTERLINE OF OSO PARKWAY. MONUMENT IS SET LEVEL WITH THE SIDEWALK"

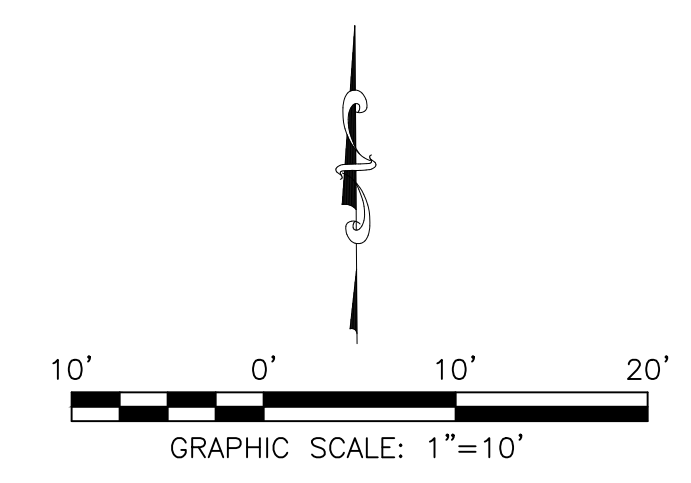
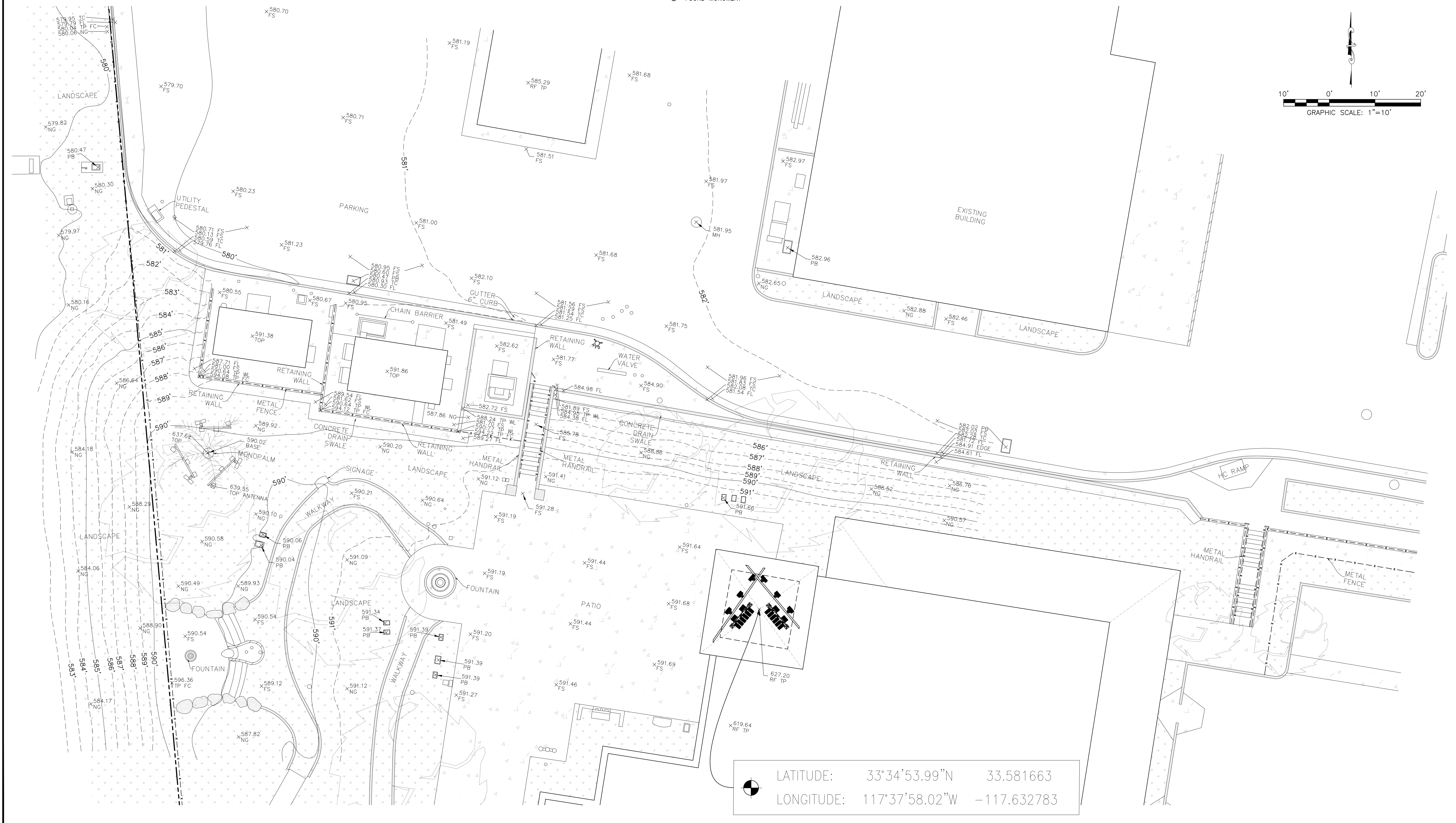
MONUMENTS
 ● FOUND MONUMENT

ABBREVIATIONS

HT	HEIGHT	PNL	PANEL
TC	TOP OF CURB	SS	SANITARY SEWER MANHOLE
TW	TOP OF WALL	SD	STORMWATER DRAIN MANHOLE
EG	EXISTING GRADE	GV	GAS VALVE
FS	FINISH SURFACE	WV	WATER VALVE
HH	HAND HOLE	TM	TELECOM MANHOLE
JB	JUNCTION BOX	TP LM	TOP OF LUMINAIRE
TR	TRANSFORMER	TP PL	TOP OF POLE
WM	WATER METER	BW	BACK OF CONC WALK
CLST	CLOSET	LIT	LIGHT
VT	VAULT	GP	GUARD POST
PB	PULL BOX	S	SIGN
MP	METER PEDESTAL	AC	ASPHALT CONCRETE PAVEMENT
CL	CENTERLINE	CNDT	CONDUIT
ESTAB	ESTABLISHED	SN	SEARCHED. FOUND NOTHING
CTR	CENTER		

- NOTES:**
- THIS IS NOT A BOUNDARY SURVEY. THIS IS A SPECIALIZED TOPOGRAPHIC MAP. THE PROPERTY LINES AND EASEMENTS SHOWN ARE BASED ON RECORD INFORMATION AS NOTED HEREON. THE TOPOGRAPHIC SURVEY HAS BEEN TRANSLATED TO RECORD INFORMATION USING FOUND MONUMENTS SHOWN HEREON.
 - THE HEIGHTS AND ELEVATIONS FOR TREES, BUSHES AND OTHER LIVING PLANTS SHOWN HEREON, SHOULD BE CONSIDERED APPROXIMATE (+/-) AND ONLY FOR THE DATE OF THIS SURVEY. THEY ARE PROVIDED AS A GENERAL REFERENCE AND SHOULD NOT BE USED FOR DESIGN PURPOSES.
 - FIELD SURVEY COMPLETED ON MARCH 31, 2023.

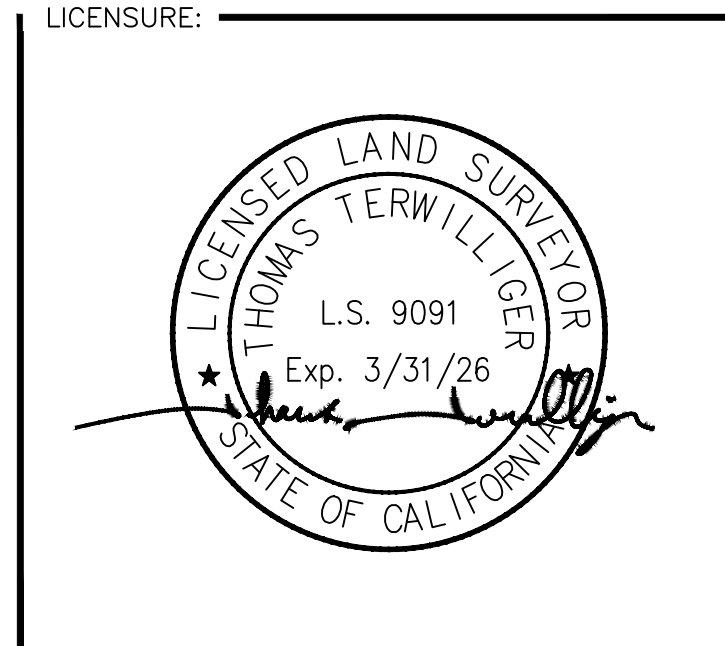
DATA NOTE
 AREAS OF HEAVY VEGETATIVE OBSTRUCTION CAN BE DISRUPTIVE TO THE COLLECTION OF SURVEY DATA. ELEVATIONS WITHIN SUCH AREAS MAY CONTAIN ARTIFACTS AND ARE FOR THAT REASON TO BE CONSIDERED APPROXIMATE. ADDITIONAL STRUCTURES MAY BE PRESENT WITHIN THESE AREAS.



REV	DATE	DESCRIPTION
1	10/16/24	APN UPDATE
2	11/12/24	NODE LOCATIONS

ISSUED DATE:
NOVEMBER 12, 2024

ISSUED FOR:
TOPOGRAPHIC SURVEY



PROJECT INFORMATION:
CXL00021
 26111 Antonio Pkwy.,
 Rancho Santa Margarita
 CA, 92688

DRAWN BY: GTG
 CHECKED BY: TMT

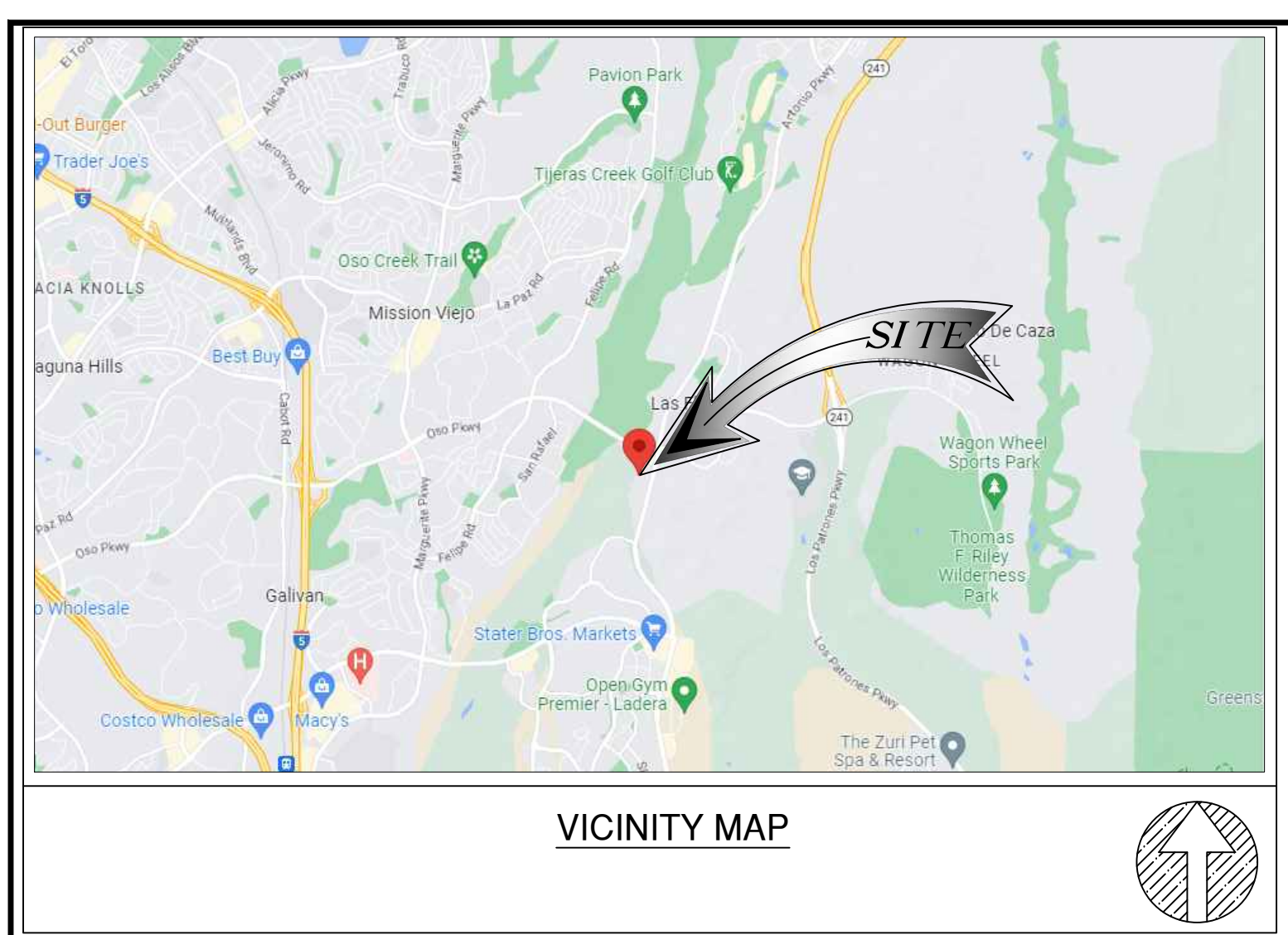
SHEET TITLE:
TOPOGRAPHIC SURVEY

SHEET NUMBER:
LS-1

LATITUDE: 33°34'53.99"N 33.581663
 LONGITUDE: 117°37'58.02"W -117.632783

TOPOGRAPHIC SURVEY

CXL00021 - 26111 ANTONIO PKWY



LEGEND

	MINOR CONTOURS		TREE
	MAJOR CONTOURS		EXISTING CONCRETE
	CENTER LINE		LANDSCAPE
	RIGHT OF WAY LINE		AC PAVEMENT
	PROPERTY LINE		
	CHAIN-LINK FENCE		
	WOOD FENCE		
	BRIDGE RAILING		
	RETAINING WALL		
	EDGE OF PAVEMENT		
	ELECTRICAL MANHOLE		
	FIRE HYDRANT		
	CATCH BASIN		
	PEDESTRIAN SIGNAL LIGHT		
	EXISTING STREET LIGHT		
	EXISTING TRAFFIC SIGNAL		
	EXISTING SIGN		
	GUY WIRE ANCHOR (GWIRE)		

BASIS OF BEARING: (NAD83: EPOCH 2011)
 THE BEARINGS SHOWN HEREON ARE BASED FROM THE CENTERLINE OF LAKEVIEW DR., BEING N43°25'00"W, RECORDED IN TRACT MAP NO. 2575, MAP BOOK NO. 36, PAGE 74, IN THE OFFICE OF THE RECORDER OF THE COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA.

BASIS OF ELEVATIONS: (NAVD 1988)
 ELEVATIONS ARE BASED ON BENCHMARK NOTED HEREON.

BENCH MARK
 OCS BENCHMARK, LEVELED IN YEAR 2004 @ 584.747 FEET A.M.S.L., DESCRIBED AS FOLLOWS "3-3/4" ALUMINUM BENCHMARK DISK STAMPED "3EE-26-92" SET FLUSH AT THE SOUTH EAST CORNER OF 4.4 FT. BY 5 FT. CATCH BASIN. MONUMENT IS LOCATED 5 FT. EASTERLY OF THE EASTERLY CURB FACE ALONG ANTONIO, IN THE NORTHEAST CORNER OF ANTONIO PARKWAY AND OSO PARKWAY, 44 FT. EASTERLY OF CENTERLINE OF ANTONIO PARKWAY, 200 FT. NORTHERLY OF CENTERLINE OF OSO PARKWAY. MONUMENT IS SET LEVEL WITH THE SIDEWALK"

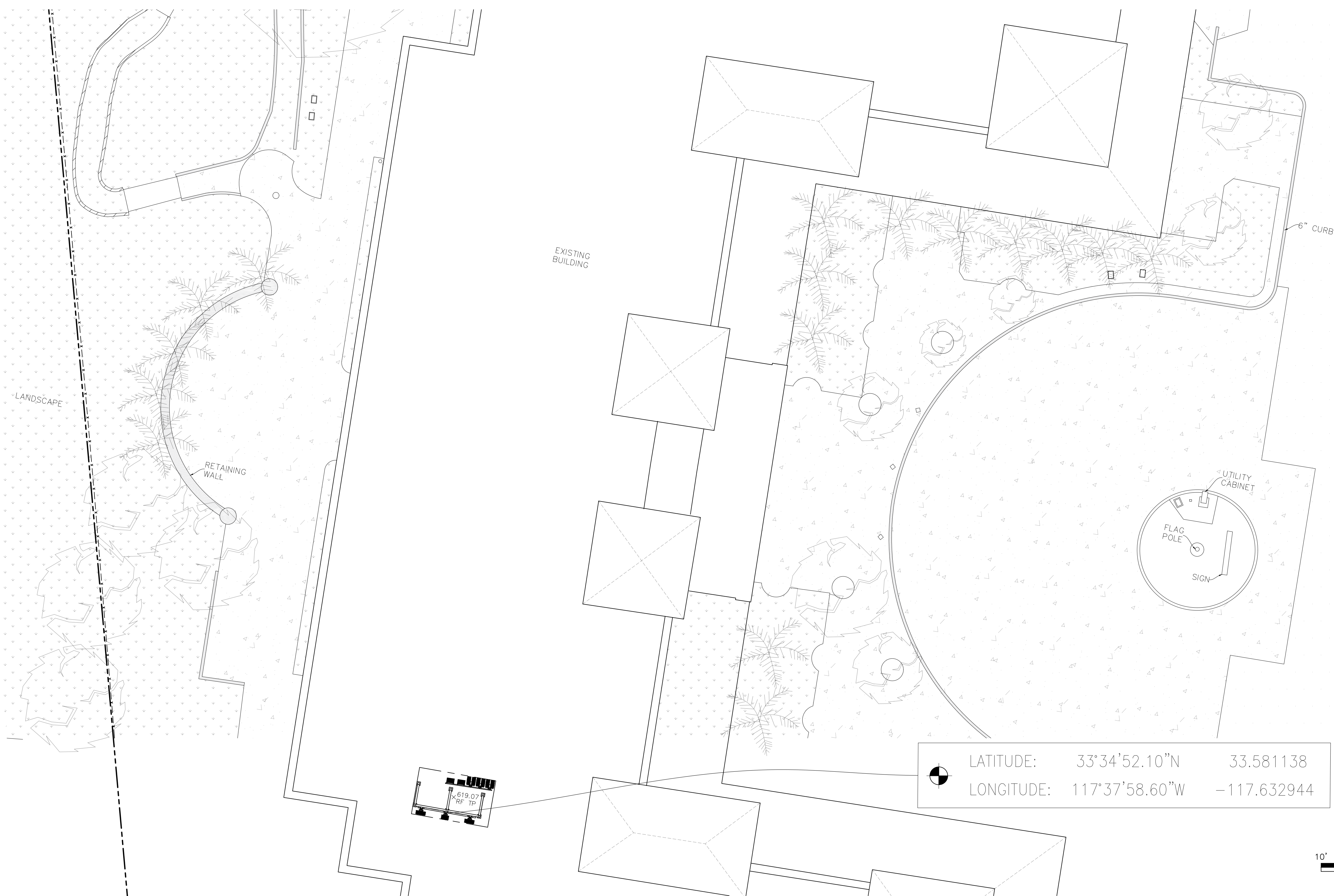
MONUMENTS
 ● FOUND MONUMENT

ABBREVIATIONS

HT	HEIGHT	PNL	PANEL
TC	TOP OF CURB	SS	SANITARY SEWER MANHOLE
TW	TOP OF WALL	SD	STORMWATER DRAIN MANHOLE
EG	EXISTING GRADE	GV	GAS VALVE
FS	FINISH SURFACE	WV	WATER VALVE
HH	HAND HOLE	TM	TELECOM MANHOLE
JB	JUNCTION BOX	TP LM	TOP OF LUMINAIRE
TR	TRANSFORMER	TP PL	TOP OF POLE
WM	WATER METER	BW	BACK OF CONC WALK
CLST	CLOSET	LIT	LIGHT
VT	VAULT	GP	GUARD POST
PB	PULL BOX	S	SIGN
MP	METER PEDESTAL	AC	ASPHALT CONCRETE PAVEMENT
CL	CENTERLINE	CNDT	CONDUIT
ESTAB	ESTABLISHED	SFN	SEARCHED. FOUND NOTHING
CTR	CENTER		

- NOTES:**
- THIS IS NOT A BOUNDARY SURVEY. THIS IS A SPECIALIZED TOPOGRAPHIC MAP. THE PROPERTY LINES AND EASEMENTS SHOWN ARE BASED ON RECORD INFORMATION AS NOTED HEREON. THE TOPOGRAPHIC SURVEY HAS BEEN TRANSLATED TO RECORD INFORMATION USING FOUND MONUMENTS SHOWN HEREON.
 - THE HEIGHTS AND ELEVATIONS FOR TREES, BUSHES AND OTHER LIVING PLANTS SHOWN HEREON, SHOULD BE CONSIDERED APPROXIMATE (+/-) AND ONLY FOR THE DATE OF THIS SURVEY. THEY ARE PROVIDED AS A GENERAL REFERENCE AND SHOULD NOT BE USED FOR DESIGN PURPOSES.
 - FIELD SURVEY COMPLETED ON MARCH 31, 2023.

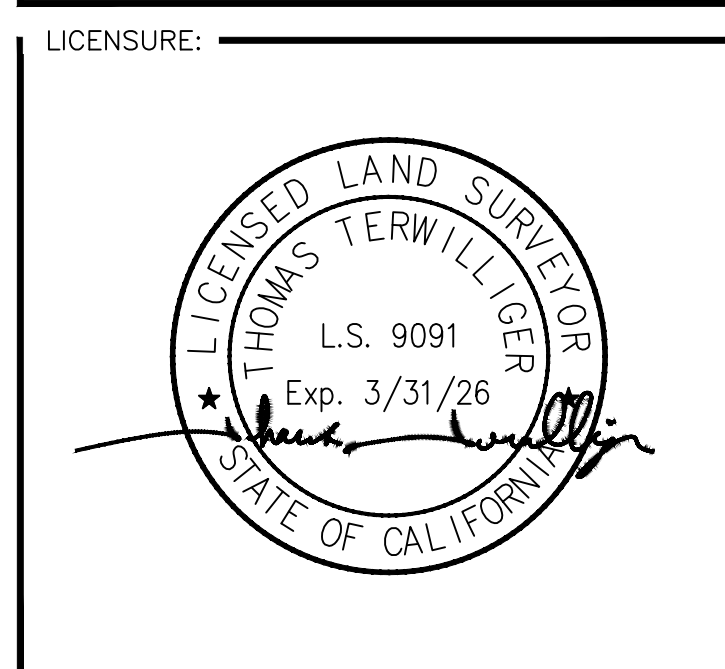
DATA NOTE
 AREAS OF HEAVY VEGETATIVE OBSTRUCTION CAN BE DISRUPTIVE TO THE COLLECTION OF SURVEY DATA. ELEVATIONS WITHIN SUCH AREAS MAY CONTAIN ARTIFACTS AND ARE FOR THAT REASON TO BE CONSIDERED APPROXIMATE. ADDITIONAL STRUCTURES MAY BE PRESENT WITHIN THESE AREAS.



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SHEET TITLE:
TOPOGRAPHIC SURVEY

SHEET NUMBER:
LS-2