

**CODE COMPLIANCE**

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

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

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

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

**GENERAL NOTES**

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

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

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

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

ALL INDICATED DIMENSIONS SHALL TAKE PRECEDENT OVER SCALED DIMENSIONS.

SITE NUMBER: CLL01157

PACE#: MRLOS078852

FA#: 12844696

USID#: 330159



**PROJECT: NSB**  
**SITE TYPE: ROOFTOP**  
**SITE ADDRESS: 211 E. CHAPMAN AVE.**  
**ORANGE, CA 92866**



1452 EDINGER AVE.  
3RD FLOOR  
TUSTIN, CA 92780



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

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**PROJECT DESCRIPTION**

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

- REMOVE AND REPLACE (1) EXISTING FRP SCREEN ON ROOFTOP
- (6) PROPOSED AT&T PANEL ANTENNAS ON ROOFTOP
- (6) PROPOSED AT&T RRUS ON ROOFTOPS
- (6) PROPOSED RRUS AT BASEMENT LEVEL
- (1) PROPOSED AT&T DC50 SURGE SUPPRESSORS AT BASEMENT LEVEL
- (3) PROPOSED AT&T DC9 SURGE SUPPRESSORS AT ANTENNAS
- (2) PROPOSED AT&T GPS ANTENNAS ON ROOF TOP
- (1) PROPOSED AT&T POWER PLANT AT BASEMENT LEVEL
- (1) PROPOSED AT&T BATTERY CABINET AT BASEMENT LEVEL
- (2) PURCELL CABINETS AT BASEMENT LEVEL
- (1) CIENA PANEL AT BASEMENT LEVEL
- (1) TELCO BOX AT BASEMENT LEVEL
- (1) ELECTRICAL PANEL AT BASEMENT LEVEL

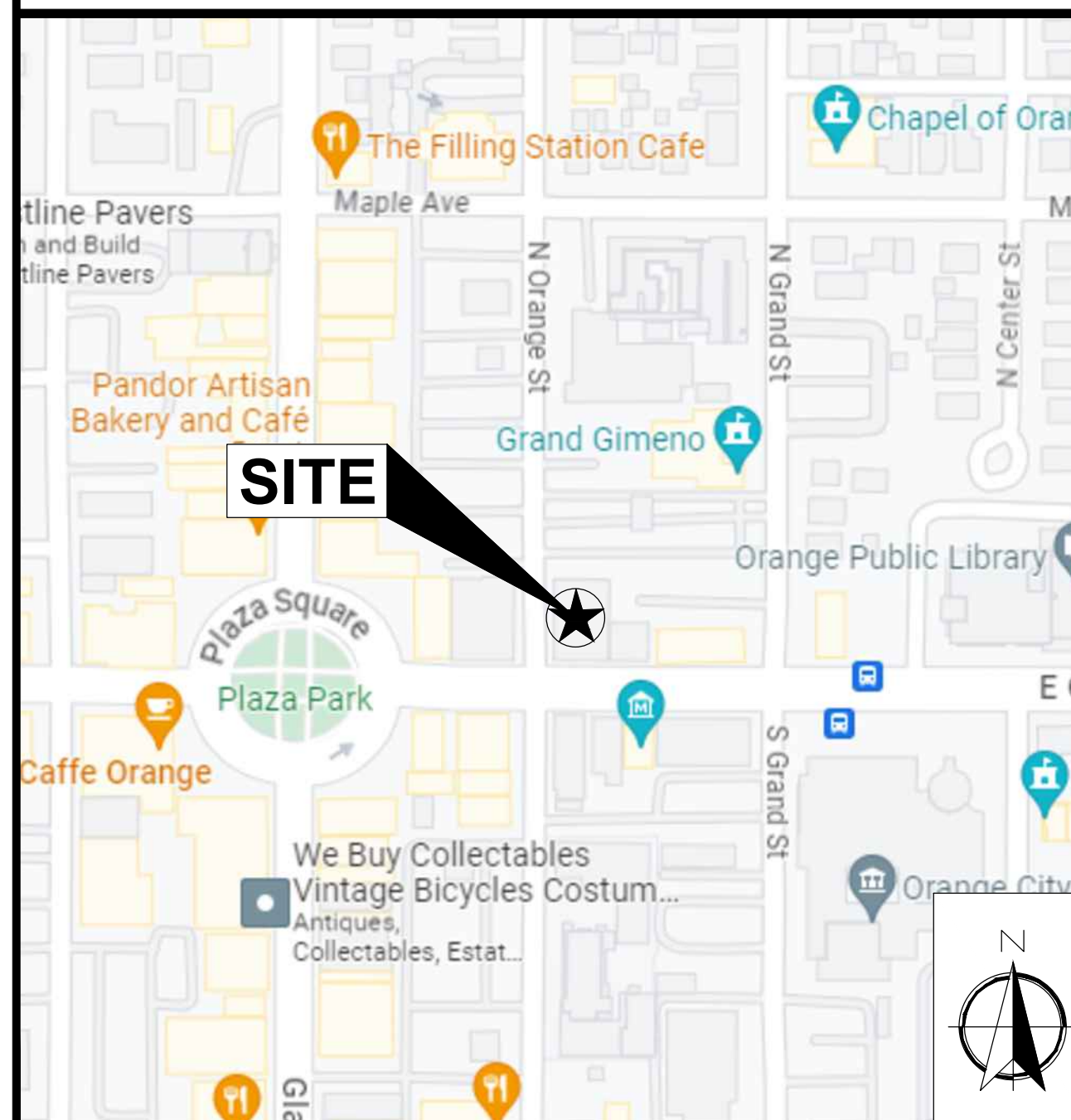
**UNDERGROUND SERVICE ALERT**  
**UTILITY NOTIFICATION CENTER OF CALIFORNIA**  
**(800) 422-4133**  
**WWW.CALIFORNIA811.ORG**

CALL 2-14 WORKING DAYS UTILITY NOTIFICATION PRIOR TO CONSTRUCTION

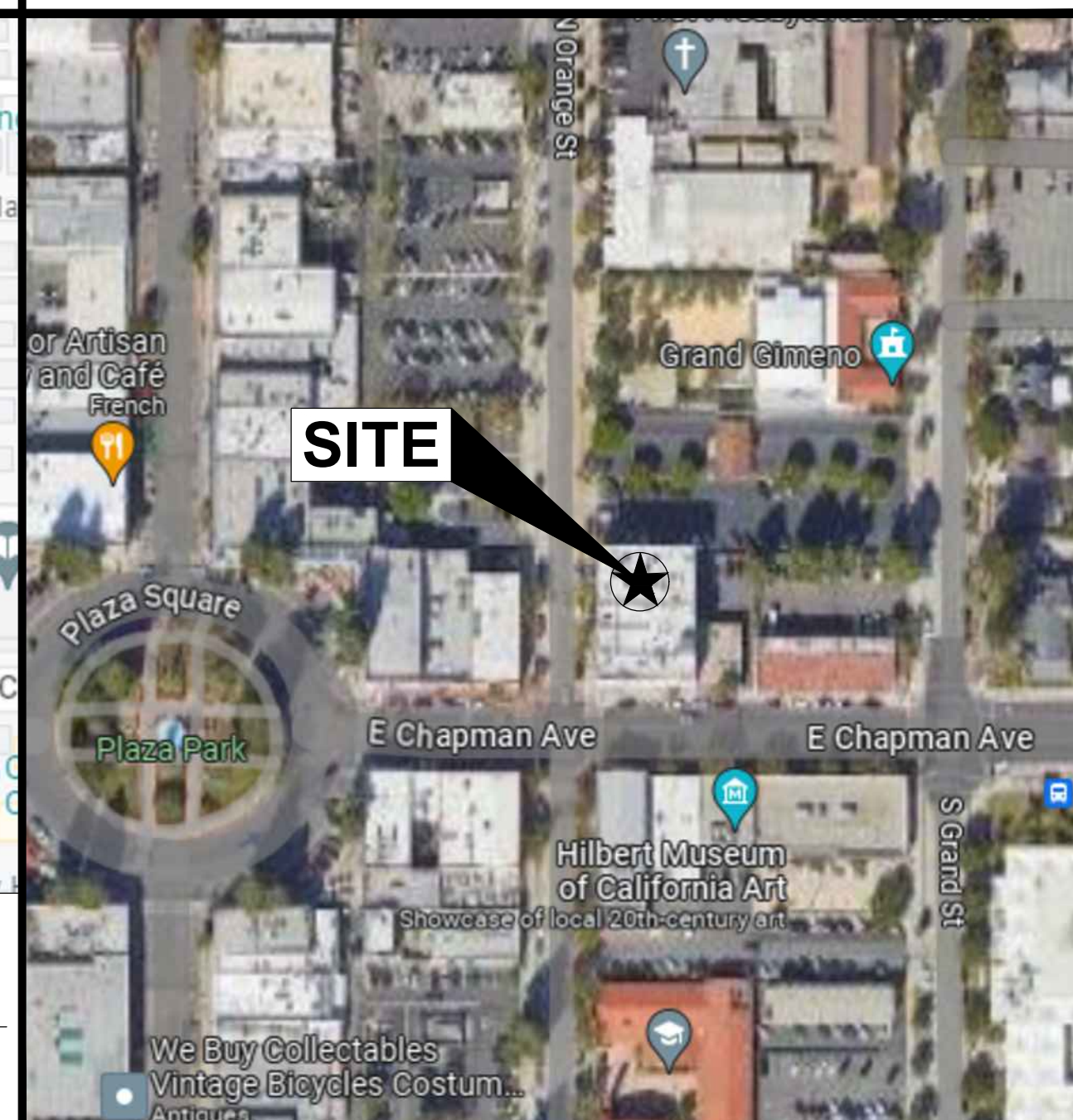
**SITE INFORMATION**

PROPERTY OWNER:	ELKS BLDG. ASSN. OF ORANGE	ROOFTOP MANAGER:	N/A
ADDRESS:	211 E. CHAPMAN AVE. ORANGE, CA 92866	ADDRESS:	N/A
COUNTY:	ORANGE	ROOFTOP CO SITE ID:	N/A
ZONING JURISDICTION:	CITY OF ORANGE	TOWER APP NUMBER:	N/A
ZONING DISTRICT:	OTMU-15S (OLD TOWNE MIXED USE, SPOKE STREET)	LATITUDE (NAD 83):	33°47'17.65" N 33.788236°
PARCEL NUMBER:	039-252-07	LONGITUDE (NAD 83):	117°5'106.40" W -117.851778°
OCCUPANCY GROUP:	A		
CONSTRUCTION TYPE:	III-B		
POWER COMPANY:	SCE		
TELEPHONE COMPANY:	TBD		
LEASE AREA:	224.9 SQ FT		

**VICINITY MAP**



**AERIAL VIEW**



**DRIVING DIRECTIONS**

DIRECTIONS FROM AT&T OFFICE AT 1452 EDINGER AVE, TUSTIN, CA 92780

1. DEPART 1452 EDINGER AVE AND HEAD NORTH ON EDINGER AVE. TOWARDS CA-55 N/STATE RTE 55 N.
2. MERGE ONTO CA-55 N/STATE RTE 55 N.
3. USE THE RIGHT 2 LANES TO TAKE EXIT 13 FOR CA-22 W.
4. MERGE ONTO CA-22W
5. TAKE EXIT 16 FOR GLASSELL ST.
6. MAKE A RIGHT AT GLASSELL ST.
7. CONTINUE ON GLASSELL ST.
8. AT THE CIRCLE, TAKE THE 1ST EXIT ONTO E. CHAPMAN AVE.
9. DESTINATION WILL BE ON THE LEFT

**SHEET INDEX**

SHEET	DESCRIPTION	REV
T-1	TITLE SHEET	0
LS-1	SITE SURVEY	0
LS-2	SITE SURVEY	0
A-1	EXISTING SITE PLAN	0
A-1.1	PROPOSED SITE PLAN	0
A-1.1	EXISTING PARTIAL ROOF PLAN	0
A-1.1	PROPOSED PARTIAL ROOF PLAN	0
A-2	EQUIPMENT PLAN	0
A-3	ANTENNA PLAN AND SCHEDULE	0
A-4	ELEVATIONS	0
A-4.1	ELEVATIONS	0
A-4.2	ELEVATIONS	0
A-4.3	ELEVATIONS	0
A-5	EQUIPMENT DETAILS	0
A-6	EQUIPMENT DETAILS	0

DRAWN BY:	UTILITIES CHECKED BY:	A&E CHECKED BY:
BA/PG	GD	RB

**ZONING DRAWINGS**

SUBMITTALS		
REV	DATE	DESCRIPTION
A	10/27/23	90% ZONING DRAWINGS
B	01/17/24	DRM COMMENTS
0	02/06/24	100% ZONING DRAWINGS
1	09/05/24	PLANNING COMMENTS

**PROJECT INFORMATION**

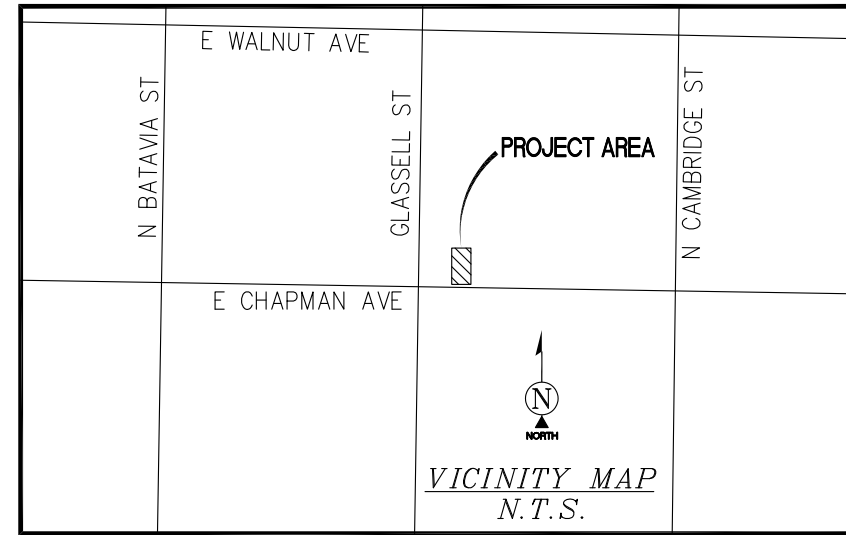
CLL01157

211 E. CHAPMAN AVE.  
ORANGE, CA 92804

SHEET TITLE  
**TITLE SHEET**

SHEET NUMBER

**T-1**



**SURVEY DATE**  
11/17/2023

**BASIS OF BEARING**  
BEARINGS SHOWN HEREON ARE BASED UPON THE CALIFORNIA ZONE SIX STATE PLANE COORDINATE SYSTEM BASED ON THE NORTH AMERICAN DATUM OF 1983(2011) (EPOCH 2019.25). DETERMINED BY GLOBAL POSITIONING SYSTEM EQUIPMENT ON THE SMARTNET REFERENCE NETWORK.

**BENCHMARK**  
PROJECT ELEVATIONS ESTABLISHED FROM OPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS 'GEOID 12B' MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE 'SMARTNET' REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

**GRID-TO-GROUND SCALE FACTOR NOTE**  
ALL BEARINGS AND DISTANCES ARE BASED ON THE CALIFORNIA SIX STATE PLANE COORDINATE ZONE GRID. TO DERIVE GROUND DISTANCES DIVIDE BY 0.99997925

**FLOOD\_ZONE**  
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD ZONE "X". ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06059C0161J, DATED 12/03/2009

**UTILITY NOTES**  
SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

**SURVEYOR'S NOTES**  
CONTOURS DERIVED FROM DIRECT FIELD OBSERVATIONS AND FOLLOW THE CURRENT NATIONAL MAP STANDARDS FOR VERTICAL ACCURACY.

THE BOUNDARY SHOWN HEREON IS PLOTTED FROM RECORD INFORMATION AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTY.

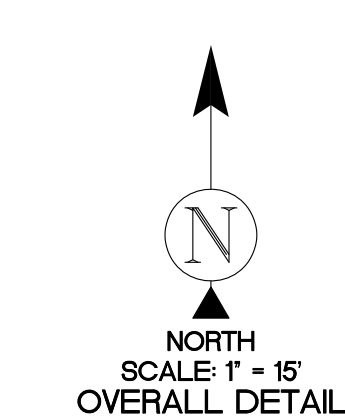
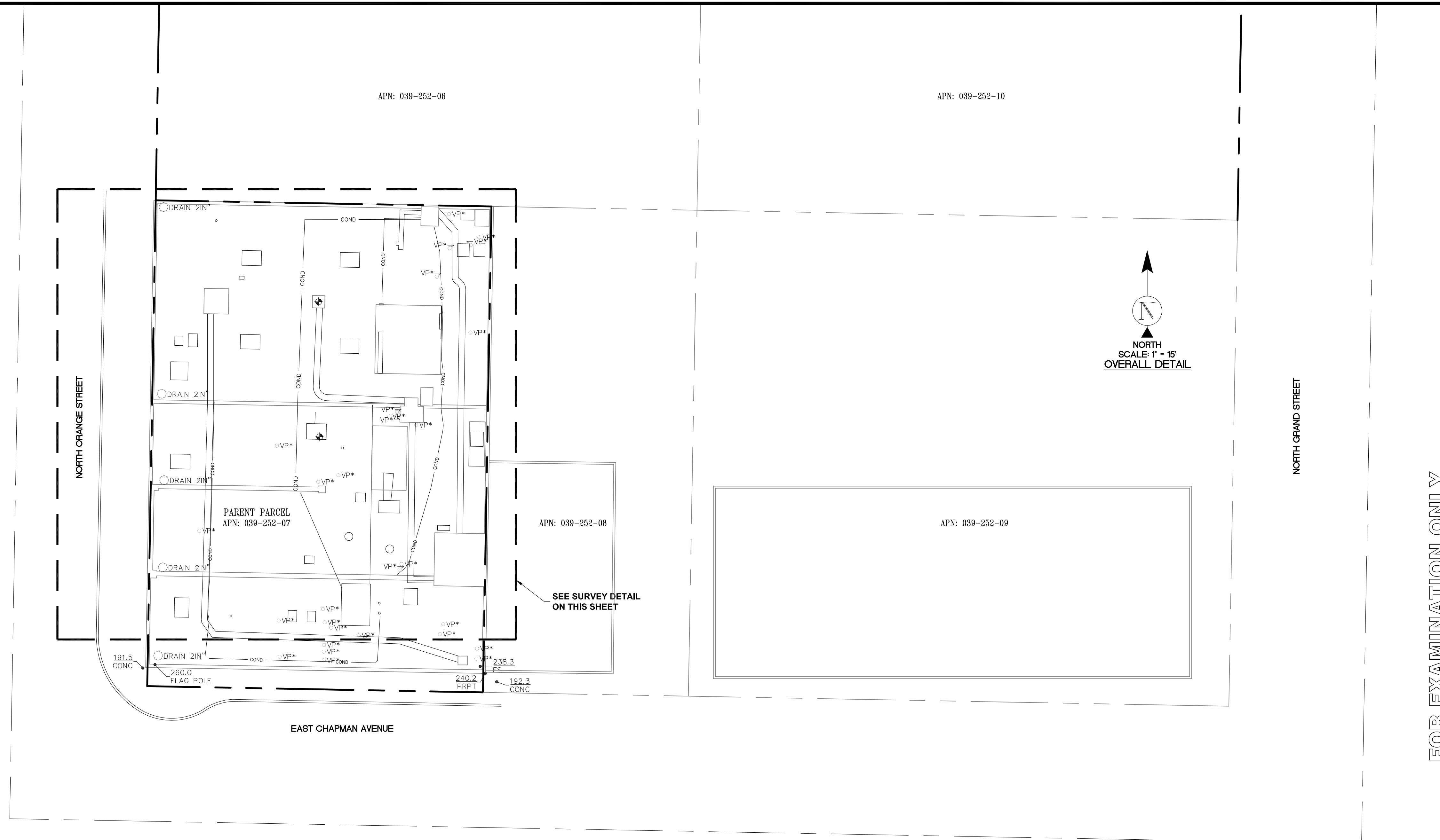
ALL DISTANCES SHOWN HEREON ARE GRID DISTANCES.

**POSITION OF GEODETIC COORDINATES - ALL SECTORS**  
LATITUDE 33° 47' 17.63" (33.788231) NORTH (NAD83)  
LONGITUDE 117° 51' 06.40" (117.851778) WEST (NAD83)  
GROUND ELEVATION @ NW BLDG. CORNER 191.7' (NAVD88)

**POSITION OF GEODETIC COORDINATES - BLDG. CENTER**  
LATITUDE 33° 47' 17.30" (33.788139) NORTH (NAD83)  
LONGITUDE 117° 51' 06.39" (117.851775) WEST (NAD83)  
GROUND ELEVATION @ NW BLDG. CORNER 191.7' (NAVD88)

**TITLE REPORT NOTE**  
THIS MAP WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT. THIS MAP IS SUBJECT TO ALL LEGAL EASEMENTS AND RIGHTS-OF-WAY, PUBLIC OR PRIVATE, THAT WOULD BE DISCLOSED IN SUCH TITLE REPORT.

**LESSOR'S LEGAL DESCRIPTION (PER TITLE)**  
TO BE PROVIDED BY TITLE.



FOR EXAMINATION ONLY

APPLICANT:

1452 EDINGER AVENUE  
3RD FLOOR  
TUSTIN, CA 92780

ENGINEER:

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

DRAWN BY: AC  
CHECKED BY: NS

REVISIONS:			
REV	DATE	DESCRIPTION	
A	11/28/23	PRELIMINARY	(AC)

428 MAIN STREET  
SUITE 206  
HUNTINGTON BEACH, CA 92648  
PH. (480) 659-4072  
www.ambitconsulting.us

PROJECT INFORMATION:  
CLL01157  
211 E. CHAPMAN AVE.  
ORANGE, CA 92866  
ORANGE COUNTY

SHEET TITLE:  
**SITE SURVEY**

SHEET NUMBER:  
**LS-1**

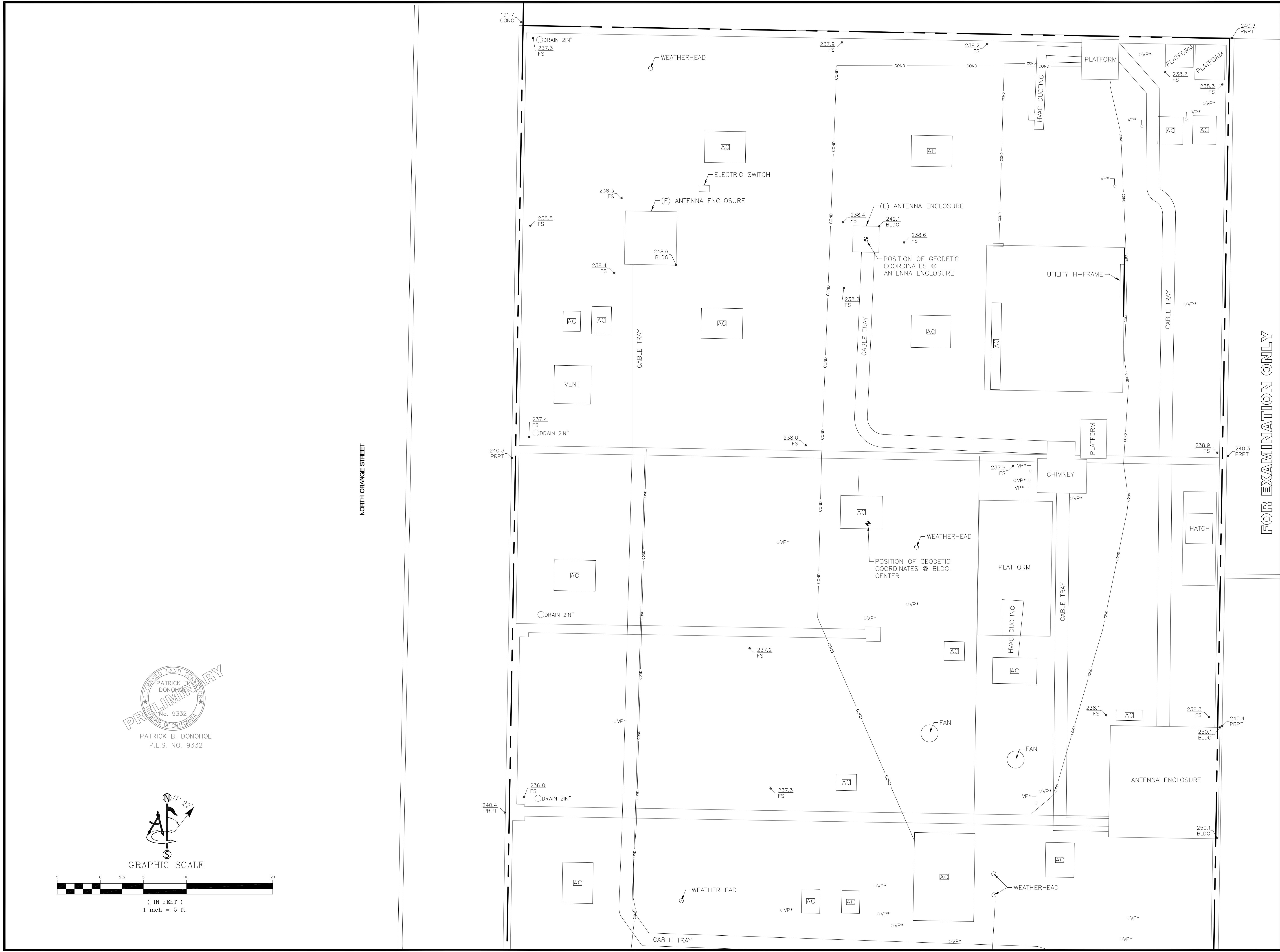
**PRELIMINARY**  
PATRICK B. DONOHUE  
No. 9332  
STATE OF CALIFORNIA  
PATRICK B. DONOHUE  
P.L.S. NO. 9332

**LEGEND**

BLDG	TOP OF BUILDING		POSITION OF GEODETIC COORDINATES
CONC	CONCRETE		SPOT ELEVATION
FS	FINISHED SURFACE		VENT PIPE
PRPT	TOP OF PARAPET		ROOF DRAIN
R/W	RIGHT OF WAY		AIR CONDITIONING UNIT
P.O.B.	POINT OF BEGINNING		
P.O.C.	POINT OF COMMENCEMENT		
P.O.T.	POINT OF TERMINUS		

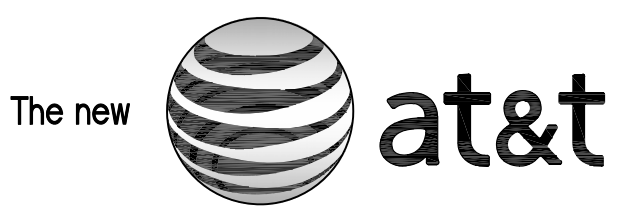
	CURBLINES
	EXISTING BUILDINGS
	STREET CENTERLINES
	RIGHT OF WAY LINES
	SUBJECT PROPERTY LINE
	ADJACENT PROPERTY LINE
	EASEMENT LINES
	SETBACK LINES
	TIE LINES
	LEASE AREA LIMITS



NORTH ORANGE STREET

FOR EXAMINATION ONLY

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ENGINEER:

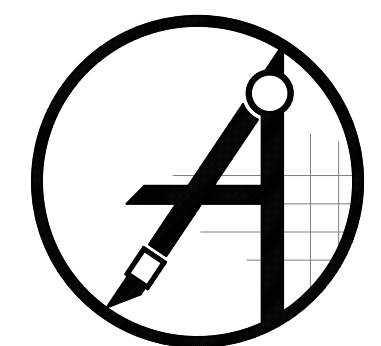


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REVISIONS:

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ambit consulting

PROJECT INFORMATION:

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ORANGE COUNTY

SHEET TITLE:

**SITE SURVEY**

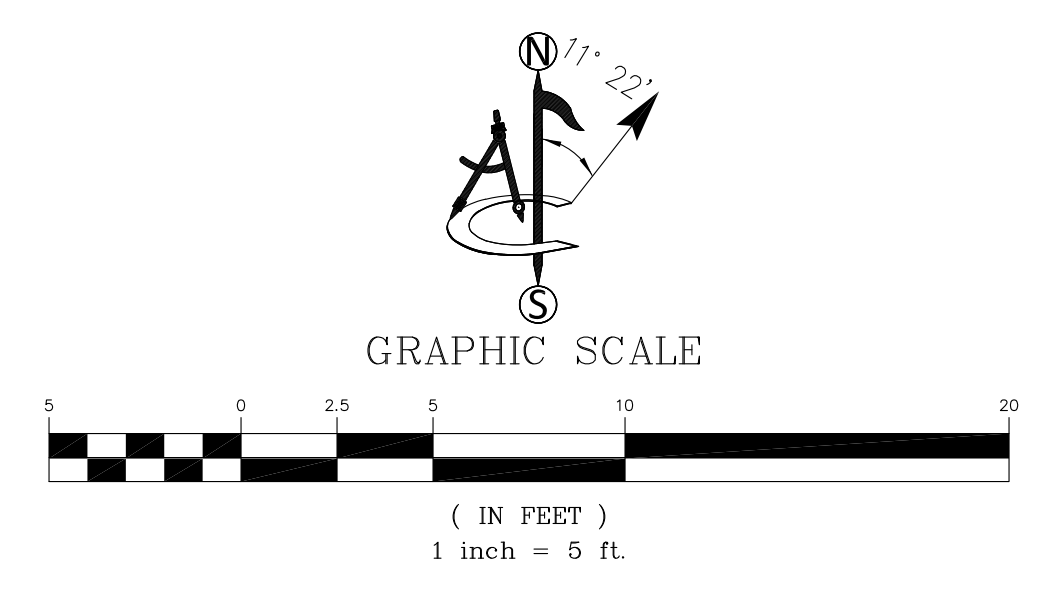
SHEET NUMBER:

**LS-2**

PRELIMINARY

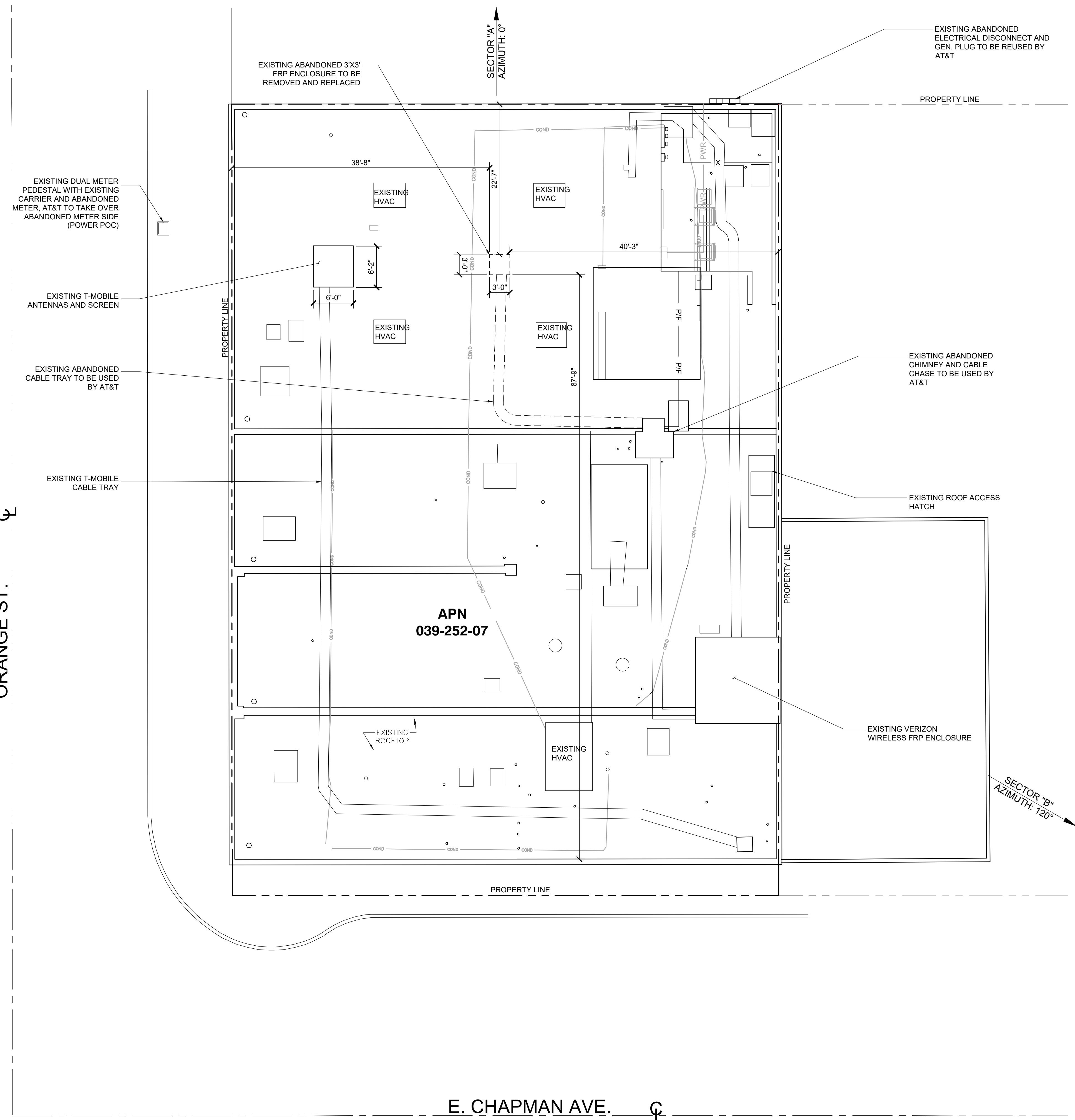
PATRICK B. DONOHUE  
No. 9332  
STATE OF CALIFORNIA

PATRICK B. DONOHUE  
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**NOTES:**

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2. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
3. UTILITY DESIGNS AND ROUTES ARE PRELIMINARY PENDING FINAL DESIGN BY UTILITY PROVIDER.
4. THIS SITE PLAN IS NOT INTENDED TO BE A LAND SURVEY.



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DRAWN BY:	UTILITIES CHECKED BY:	A&E CHECKED BY:
BA/PG	GD	RB

**ZONING DRAWINGS**

SUBMITTALS		
REV	DATE	DESCRIPTION
A	10/27/23	90% ZONING DRAWINGS
B	01/17/24	DRM COMMENTS
0	02/06/24	100% ZONING DRAWINGS
1	09/05/24	PLANNING COMMENTS

**PROJECT INFORMATION**

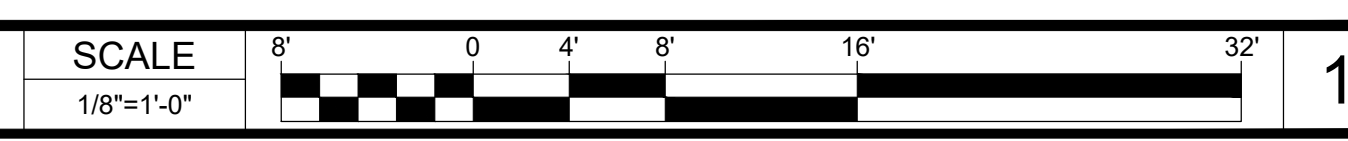
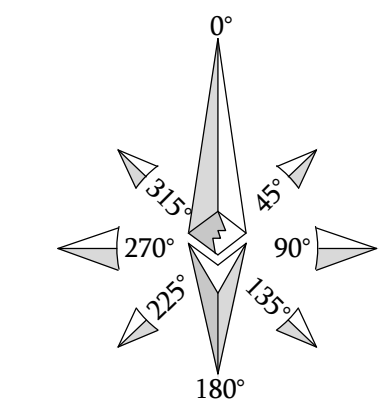
CLL01157  
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**SHEET TITLE**

**EXISTING SITE PLAN**

**SHEET NUMBER**

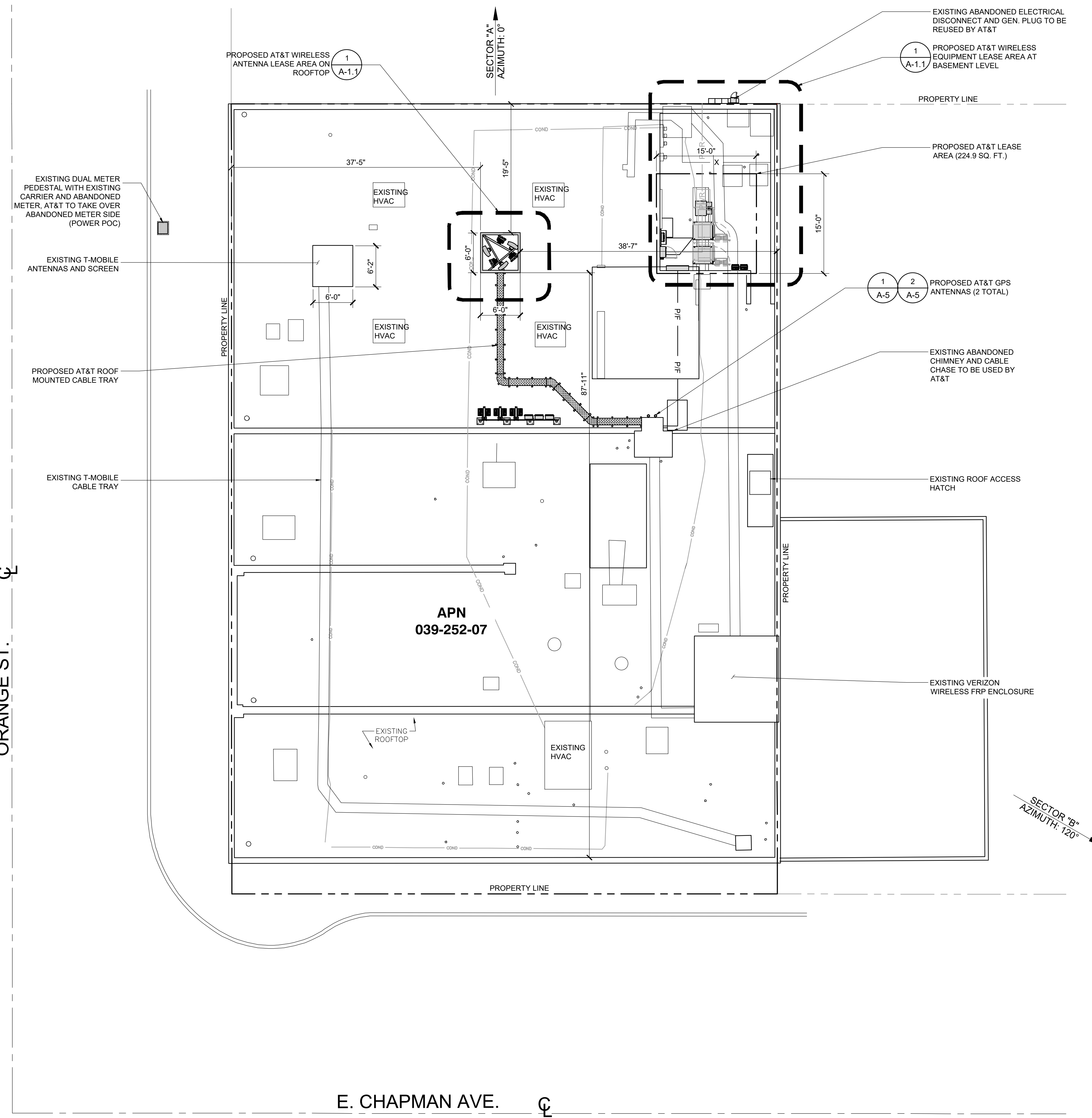
**A-1**



EUKON\_AT&T\_90CD\_ROOFTOP\_TEMPLATE\_V1\_11-18-22

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BA/PG	GD	RB

**ZONING  
DRAWINGS**

SUBMITTALS		
REV	DATE	DESCRIPTION
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B	01/17/24	DRM COMMENTS
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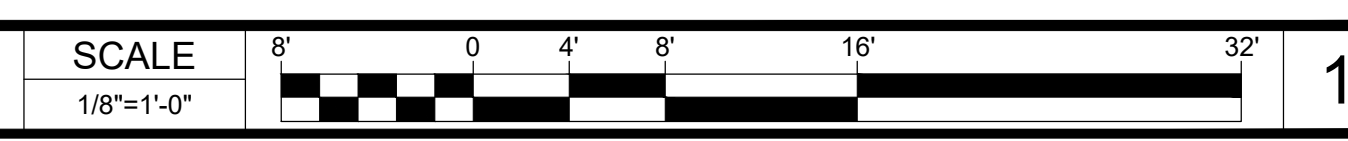
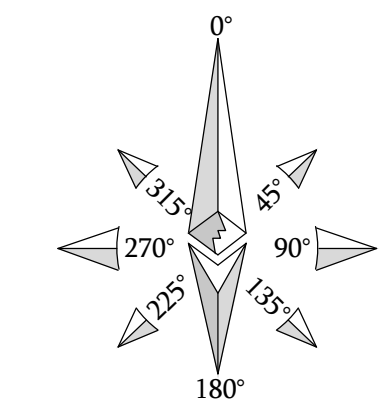
CLL01157  
  
211 E. CHAPMAN AVE.  
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SHEET TITLE

**PROPOSED  
SITE PLAN**

SHEET NUMBER

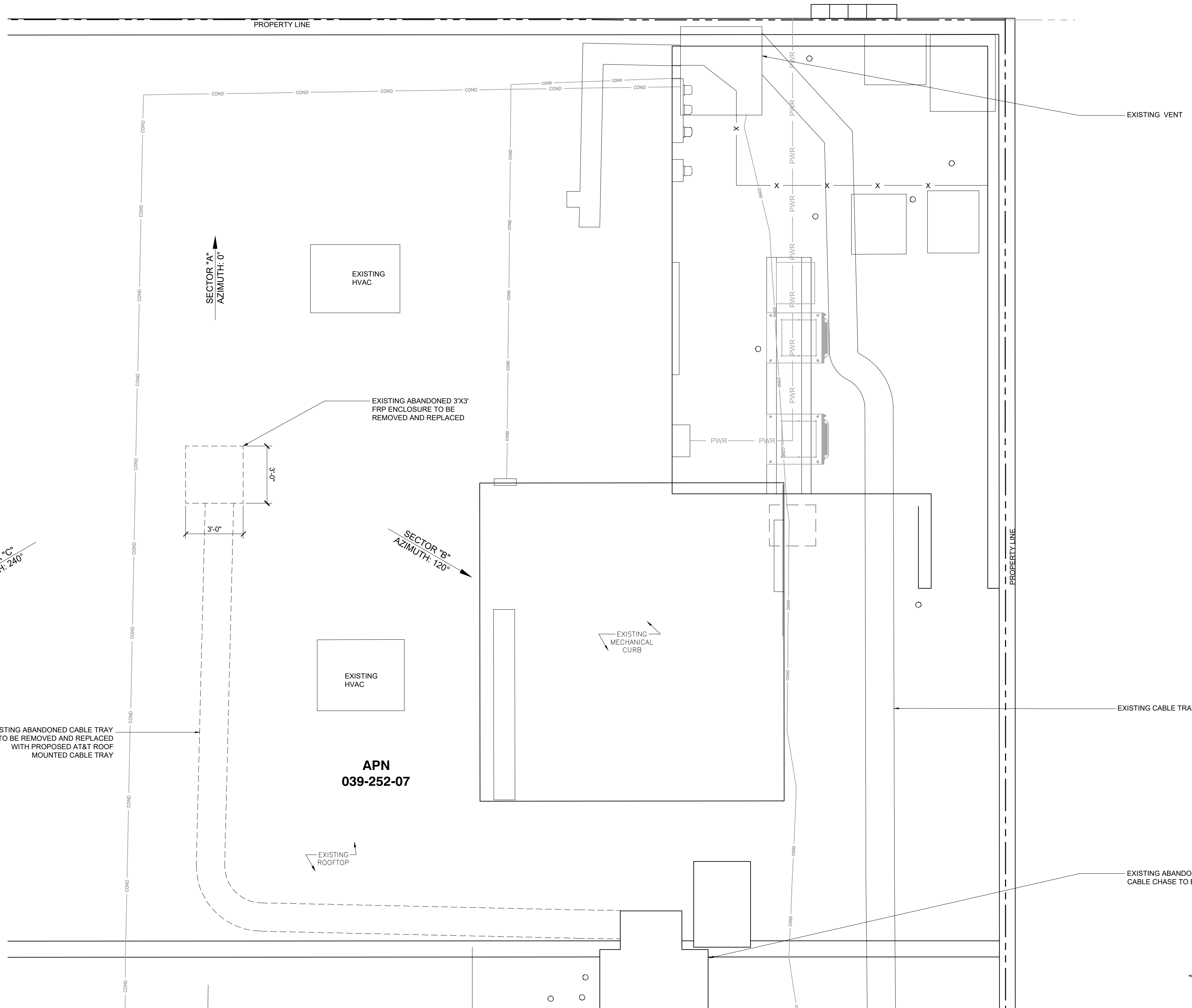
A-1.1



EUKON\_AT&T\_90CD\_ROOFTOP\_TEMPLATE\_V1\_11-18-22

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PROJECT INFORMATION

CLL01157  
211 E. CHAPMAN AVE.  
ORANGE, CA 92804

SHEET TITLE  
**EXISTING PARTIAL ROOF PLAN**

SHEET NUMBER  
**A-1.2**

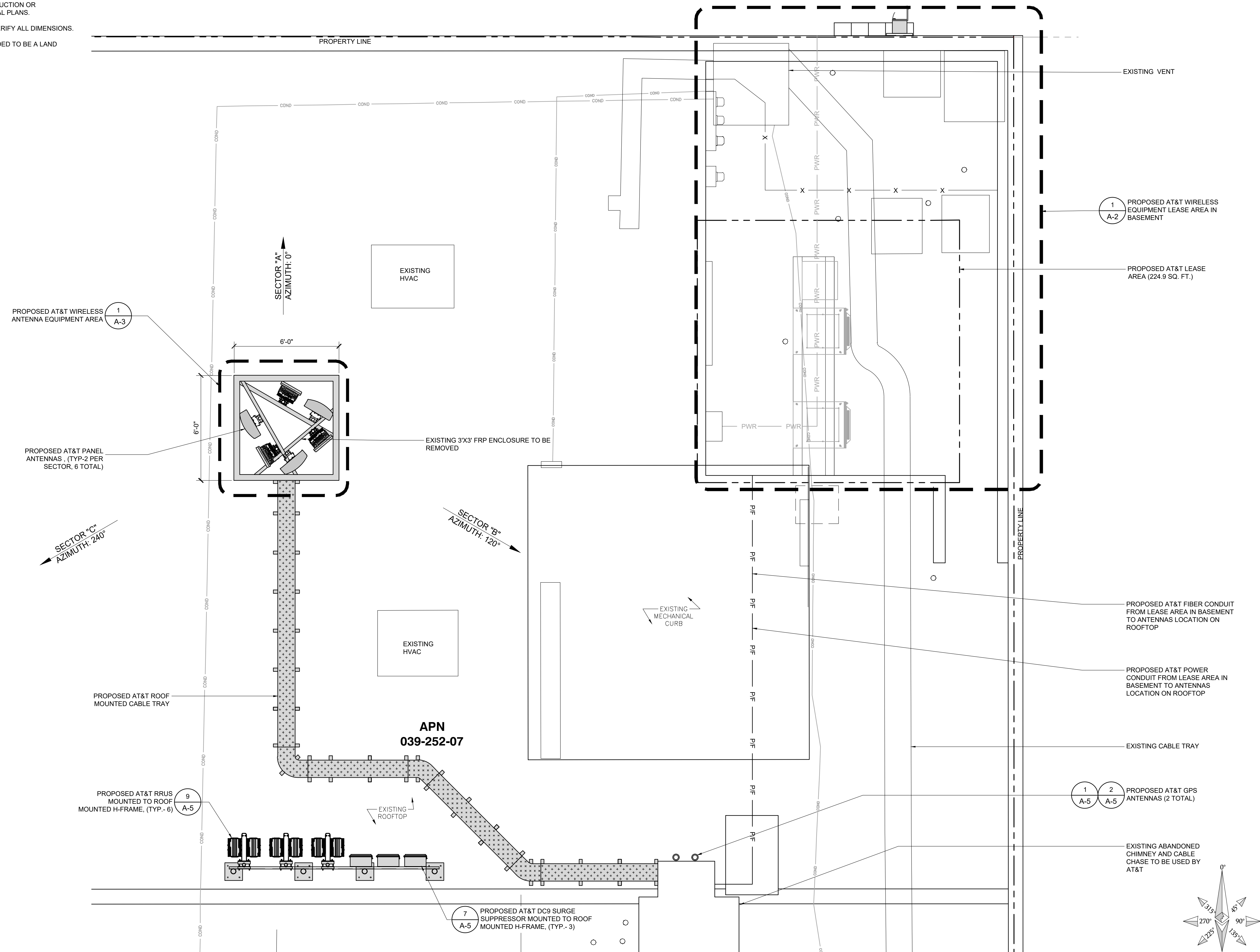
EUKON AT&T\_90CD\_ROOFTOP TEMPLATE\_V1\_11-18-22

**EXISTING PARTIAL ROOF PLAN**

SCALE 3/8"=1'-0"

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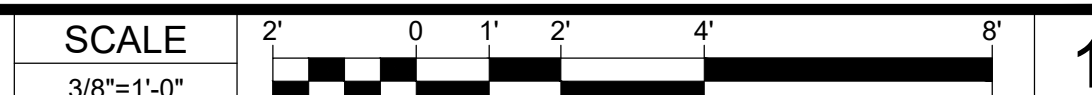
**SHEET TITLE**  
**PROPOSED PARTIAL ROOF PLAN**

**SHEET NUMBER**

**A-1.3**

EUKON AT&T\_90CD\_ROOFTOP TEMPLATE\_V1\_11-18-22

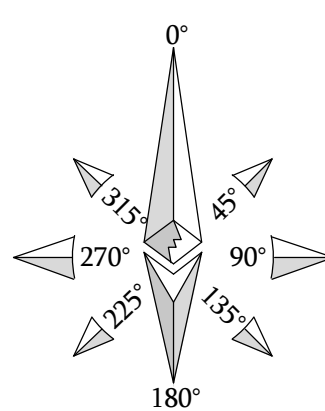
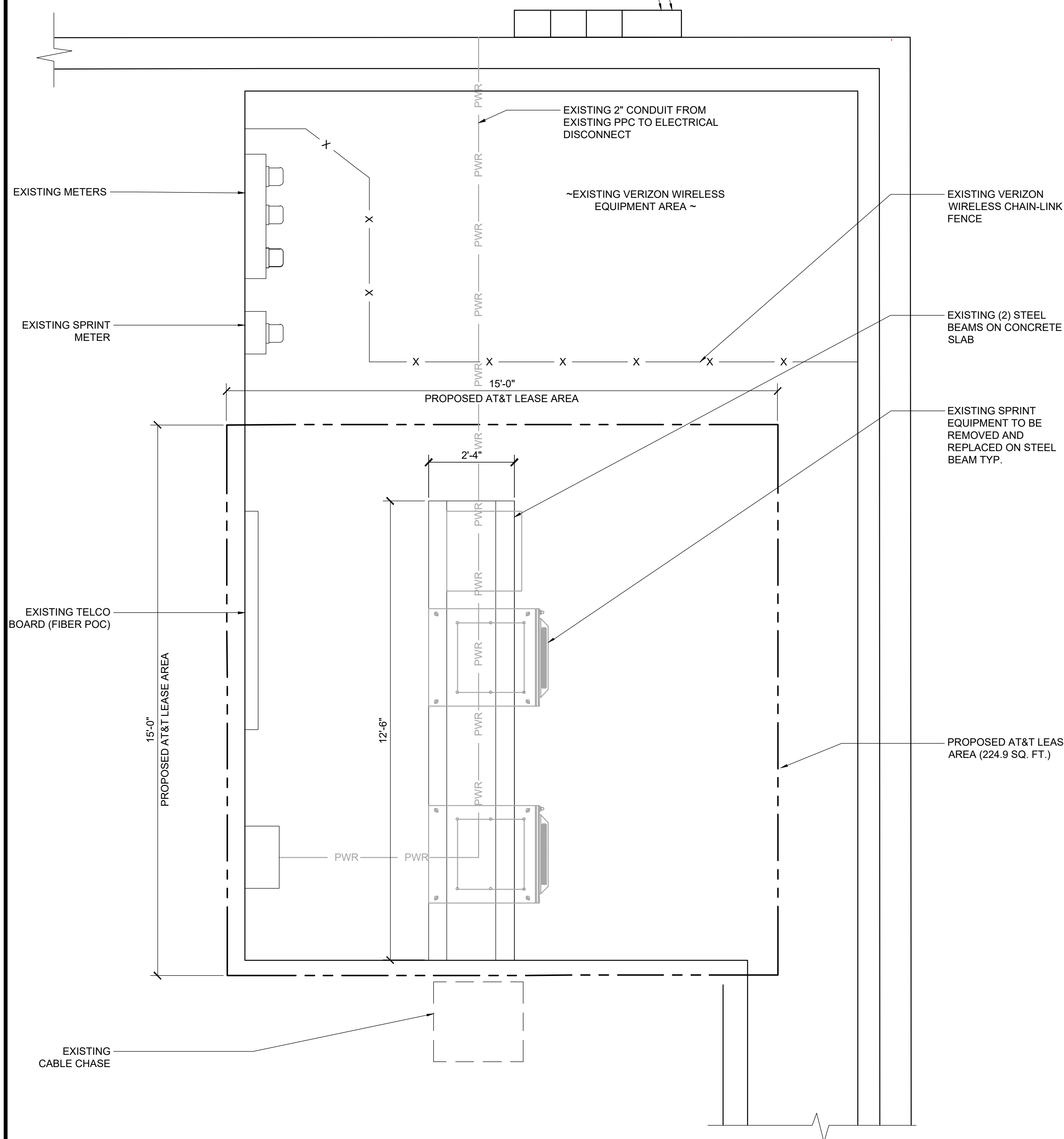
**PROPOSED PARTIAL ROOF PLAN**



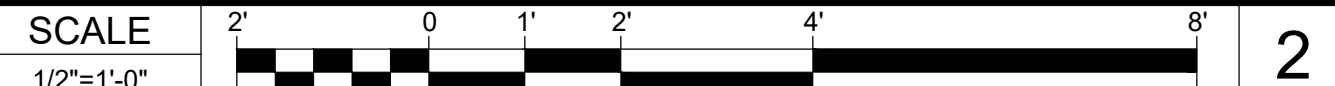
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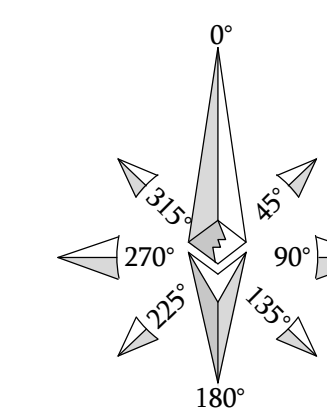
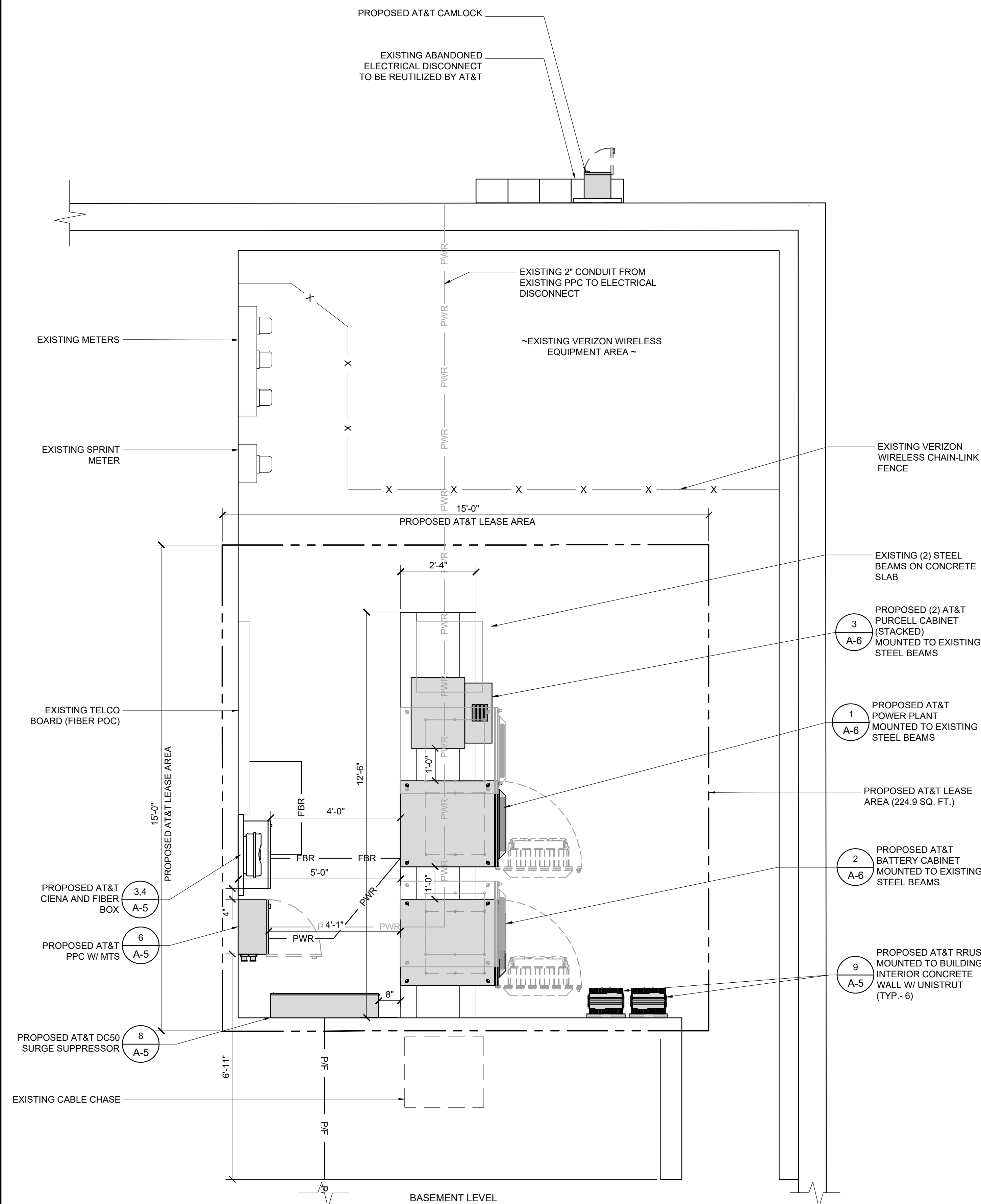
EXISTING ABANDONED GEN PLUG TO BE REMOVED AND REPLACED W/ PROPOSED AT&T CAMLOCK  
 EXISTING ABANDONED ELECTRICAL DISCONNECT TO BE REUTILIZED BY AT&T



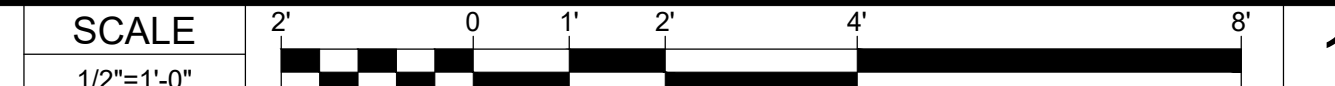
EXISTING EQUIPMENT PLAN AT BASEMENT



PROPOSED EQUIPMENT PLAN AT BASEMENT



PROPOSED EQUIPMENT PLAN AT BASEMENT



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BA/PG	GD	RB

**ZONING DRAWINGS**

SUBMITTALS		
REV	DATE	DESCRIPTION
A	10/27/23	90% ZONING DRAWINGS
B	01/17/24	DRM COMMENTS
0	02/06/24	100% ZONING DRAWINGS
1	09/05/24	PLANNING COMMENTS

PROJECT INFORMATION

CLL01157

211 E. CHAPMAN AVE.  
 ORANGE, CA 92804

SHEET TITLE

EQUIPMENT PLAN

SHEET NUMBER

**A-2**



OPTIMUM ANTENNA REQUIREMENTS (VERIFY WITH CURRENT RFDS)								
SECTOR	TECHNOLOGY	ANTENNA MODEL	ANTENNA SIZE	ANTENNA AZIMUTH	RAD CENTER	TRANSMISSION CABLE		
						LENGTH	NUMBER	
ALPHA SECTOR	A1	LTE	PANEL ANTENNA	4'	40°	53'-4"	±96'	1 FIBER 4 PWR 8 COAX
	A2	C-BAND	PANEL ANTENNA	31"	40°	54'-1"		
	A3	-	-	-	-	-		
	A4	-	-	-	-	-		
	A5	-	-	-	-	-		
BETA SECTOR	B1	LTE	PANEL ANTENNA	4'	140°	53'-4"	±96'	1 FIBER 4 PWR 8 COAX
	B2	C-BAND	PANEL ANTENNA	31"	140°	54'-1"		
	B3	-	-	-	-	-		
	B4	-	-	-	-	-		
	B5	-	-	-	-	-		
GAMMA SECTOR	C1	LTE	PANEL ANTENNA	4'	240°	53'-4"	±96'	1 FIBER 4 PWR 8 COAX
	C2	C-BAND	PANEL ANTENNA	31"	240°	54'-1"		
	C3	-	-	-	-	-		
	C4	-	-	-	-	-		
	C5	-	-	-	-	-		

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

**SCALE NOTE:**  
IF DIMENSIONS SHOWN ON PLAN DO NOT SCALE CORRECTLY, CHECK FOR REDUCTION OR ENLARGEMENT FROM ORIGINAL PLANS.



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BA/PG	GD	RB

**ZONING DRAWINGS**

SUBMITTALS		
REV	DATE	DESCRIPTION
A	10/27/23	90% ZONING DRAWINGS
B	01/17/24	DRM COMMENTS
0	02/06/24	100% ZONING DRAWINGS
1	09/05/24	PLANNING COMMENTS

**PROJECT INFORMATION**

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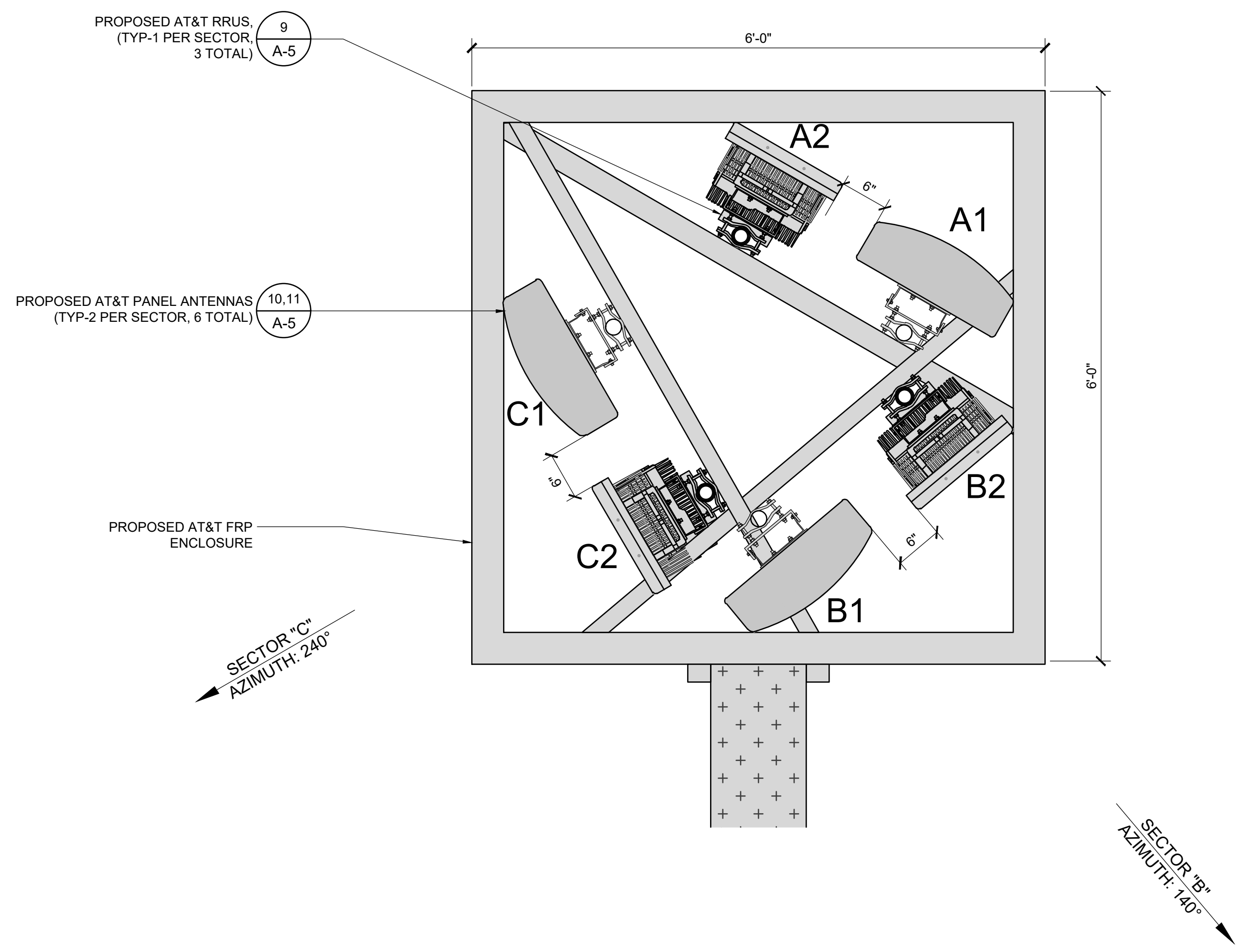
**SHEET TITLE**  
**ANTENNA PLANS AND SCHEDULE**

**SHEET NUMBER**

**A-3**

REMOTE RADIO UNITS						
SECTOR	RRU TYPE	RRU LOCATION (DISTANCE FROM ANTENNA)	MINIMUM CLEARANCES			
			ABOVE	BELOW	SIDES	
ALPHA SECTOR	A1	ERICSSON RRU (LTE) @ ANTENNAS	±5'	16"	8"	0"
	A1	ERICSSON RRU (LTE) @ ANTENNAS	±5'	16"	8"	0"
	A1	-	-	-	-	-
	A1	-	-	-	-	-
	A2	ERICSSON RRU (LTE) @ EQUIPMENT	±100'	16"	8"	0"
	A2	ERICSSON RRU (LTE) @ EQUIPMENT	±100'	16"	8"	0"
BETA SECTOR	B1	ERICSSON RRU (LTE) @ ANTENNAS	±5'	16"	8"	0"
	B1	ERICSSON RRU (LTE) @ ANTENNAS	±5'	16"	8"	0"
	B1	-	-	-	-	-
	B1	-	-	-	-	-
	B2	ERICSSON RRU (LTE) @ EQUIPMENT	±100'	16"	8"	0"
	B2	ERICSSON RRU (LTE) @ EQUIPMENT	±100'	16"	8"	0"
GAMMA SECTOR	C1	ERICSSON RRU (LTE) @ ANTENNAS	±5'	16"	8"	0"
	C1	ERICSSON RRU (LTE) @ ANTENNAS	±5'	16"	8"	0"
	C1	-	-	-	-	-
	C1	-	-	-	-	-
	C2	ERICSSON RRU (LTE) @ EQUIPMENT	±100'	16"	8"	0"
	C2	ERICSSON RRU (LTE) @ EQUIPMENT	±100'	16"	8"	0"

SURGE SUPPRESSION SYSTEM				
SYSTEM	MANUFACTURER	PART NUMBER	QTY	LOCATION
	RAYCAP	DC50-48-60-0-25E	1	MOUNTED AT PROPOSED EQUIPMENT
	RAYCAP	DC9-48-60-24-8C-EV	3	MOUNTED AT ROOFTOP



SCALE NONE 2

**PROPOSED ANTENNA PLAN**

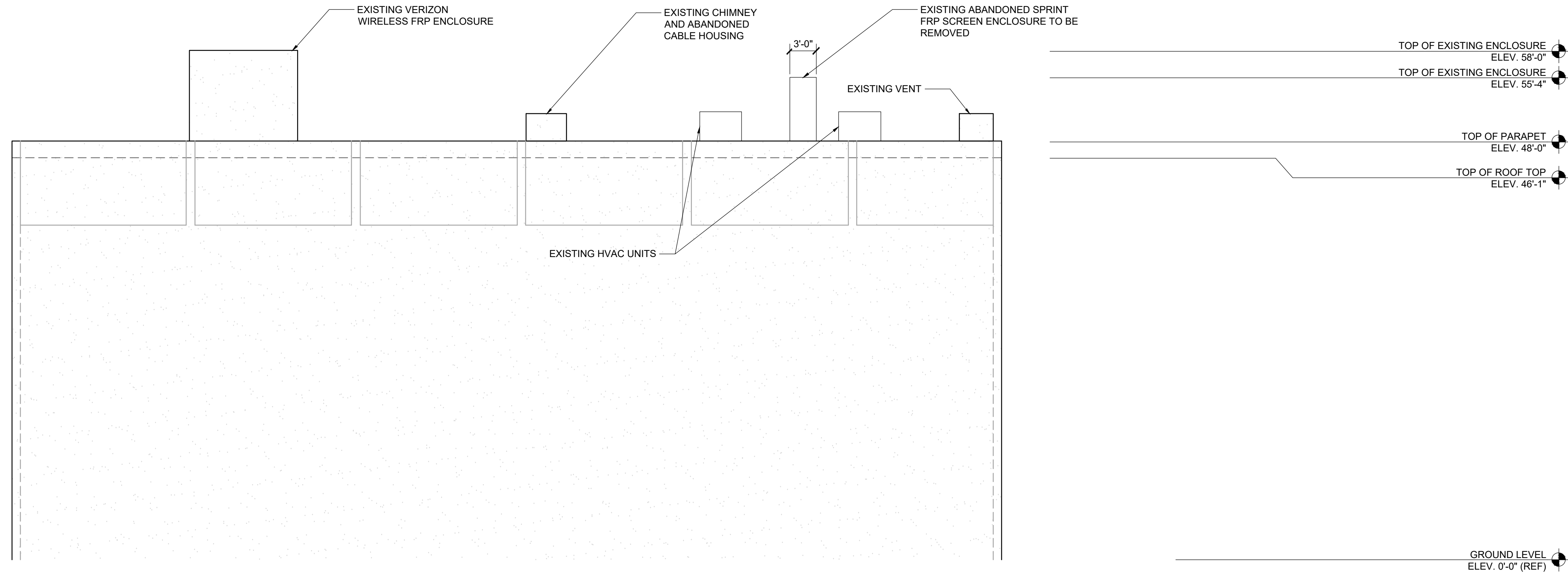
SCALE 1"=1'-0" 1

EUKON AT&T\_90CD\_ROOFTOP TEMPLATE\_V1\_11-18-22

**NOTE:**

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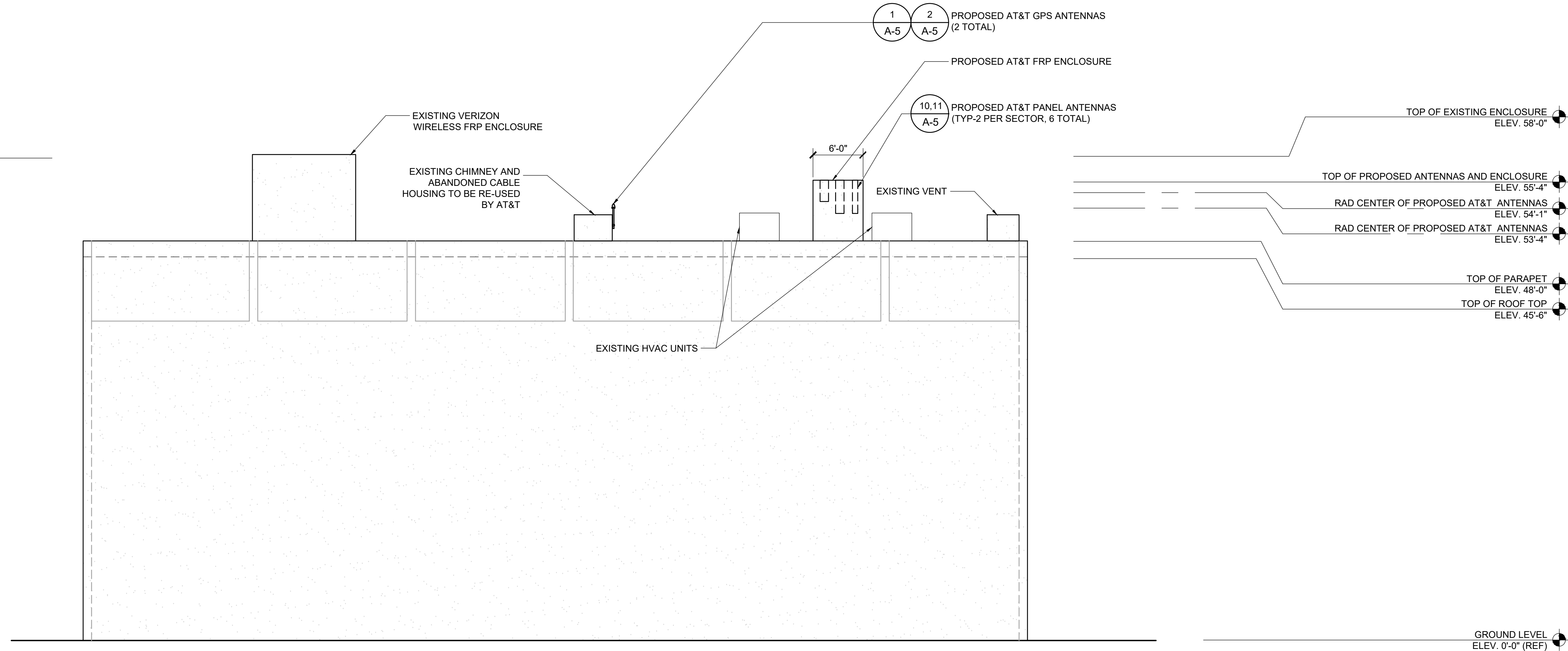
- TOP OF EXISTING ENCLOSURE  
ELEV. 58'-0"
- TOP OF EXISTING AC UNIT  
ELEV. 51'-6"
- TOP OF PARAPET  
ELEV. 48'-0"
- TOP OF EXISTING ROOF TOP  
ELEV. 44'-7"



**EXISTING EAST ELEVATION**

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

- TOP OF EXISTING ENCLOSURE  
ELEV. 58'-0"
- TOP OF EXISTING AC UNIT  
ELEV. 51'-6"
- TOP OF PARAPET  
ELEV. 48'-0"
- TOP OF EXISTING ROOF TOP  
ELEV. 44'-7"



**PROPOSED EAST ELEVATION**

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



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**ZONING DRAWINGS**

SUBMITTALS		
REV	DATE	DESCRIPTION
A	10/27/23	90% ZONING DRAWINGS
B	01/17/24	DRM COMMENTS
0	02/06/24	100% ZONING DRAWINGS
1	09/05/24	PLANNING COMMENTS

**PROJECT INFORMATION**

CLL01157  
211 E. CHAPMAN AVE.  
ORANGE, CA 92804

**SHEET TITLE**

**ELEVATIONS**

**SHEET NUMBER**

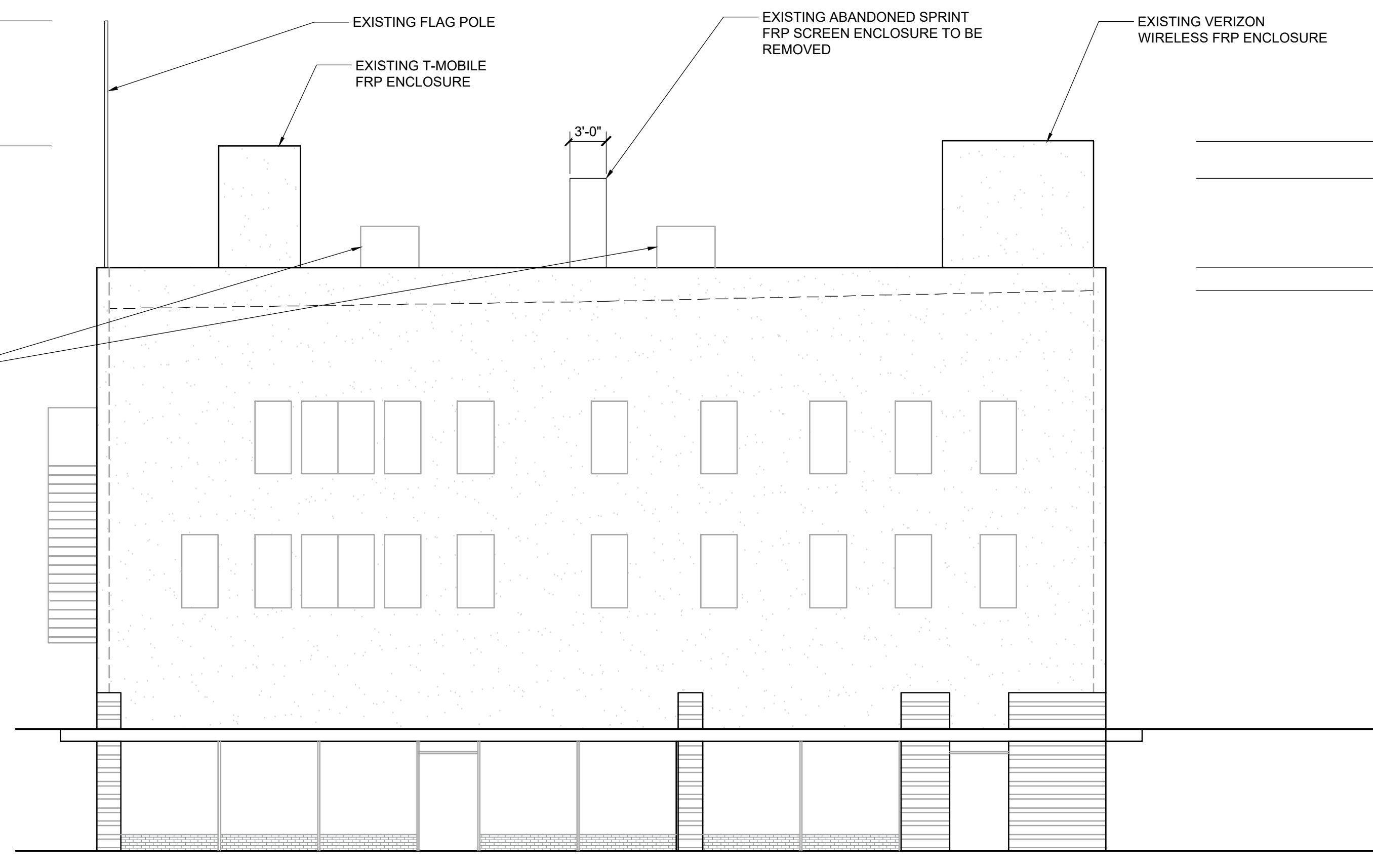
**A-4**

**NOTE:**

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- TOP OF EXISTING FLAG POLE  
ELEV. 68'-4"
- TOP OF EXISTING ENCLOSURE  
ELEV. 58'-0"
- TOP OF EXISTING AC UNIT  
ELEV. 51'-6"
- TOP OF PARAPET  
ELEV. 48'-0"
- TOP OF EXISTING ROOF TOP  
ELEV. 44'-7"

EXISTING HVAC UNITS

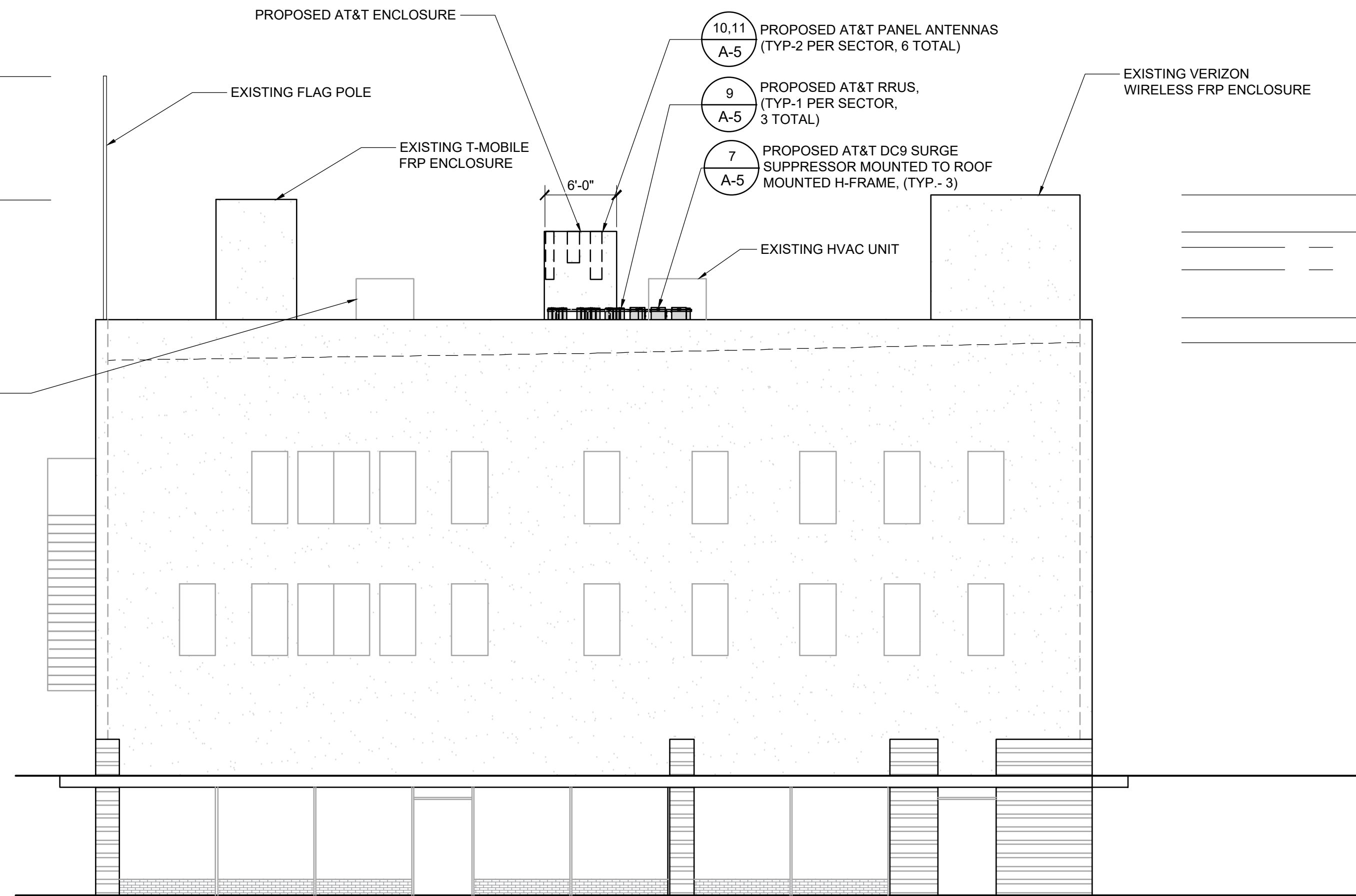


**EXISTING SOUTH ELEVATION**

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

- TOP OF EXISTING FLAG POLE  
ELEV. 68'-4"
- TOP OF EXISTING ENCLOSURE  
ELEV. 58'-0"
- TOP OF EXISTING AC UNIT  
ELEV. 51'-6"
- TOP OF PARAPET  
ELEV. 48'-0"
- TOP OF EXISTING ROOF TOP  
ELEV. 44'-7"

EXISTING HVAC UNIT



**PROPOSED SOUTH ELEVATION**

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



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PROJECT INFORMATION

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SHEET TITLE

**ELEVATIONS**

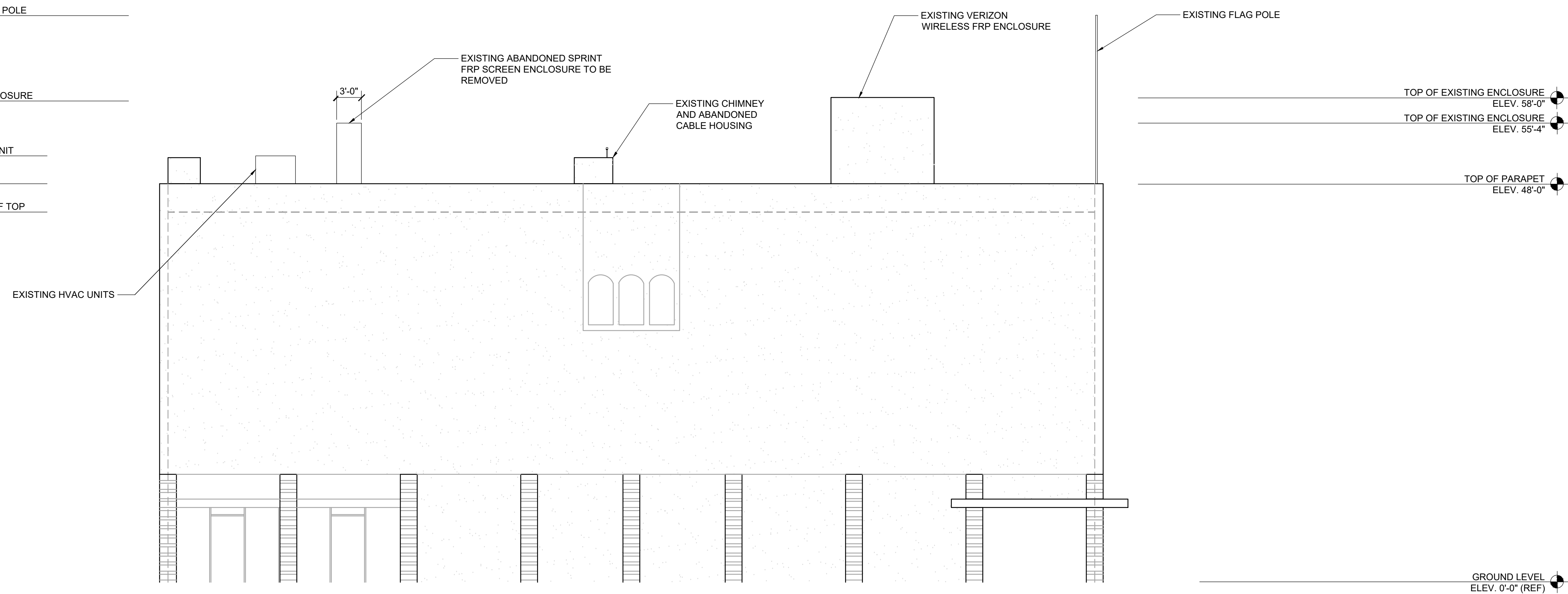
SHEET NUMBER

**A-4.1**

**NOTE:**

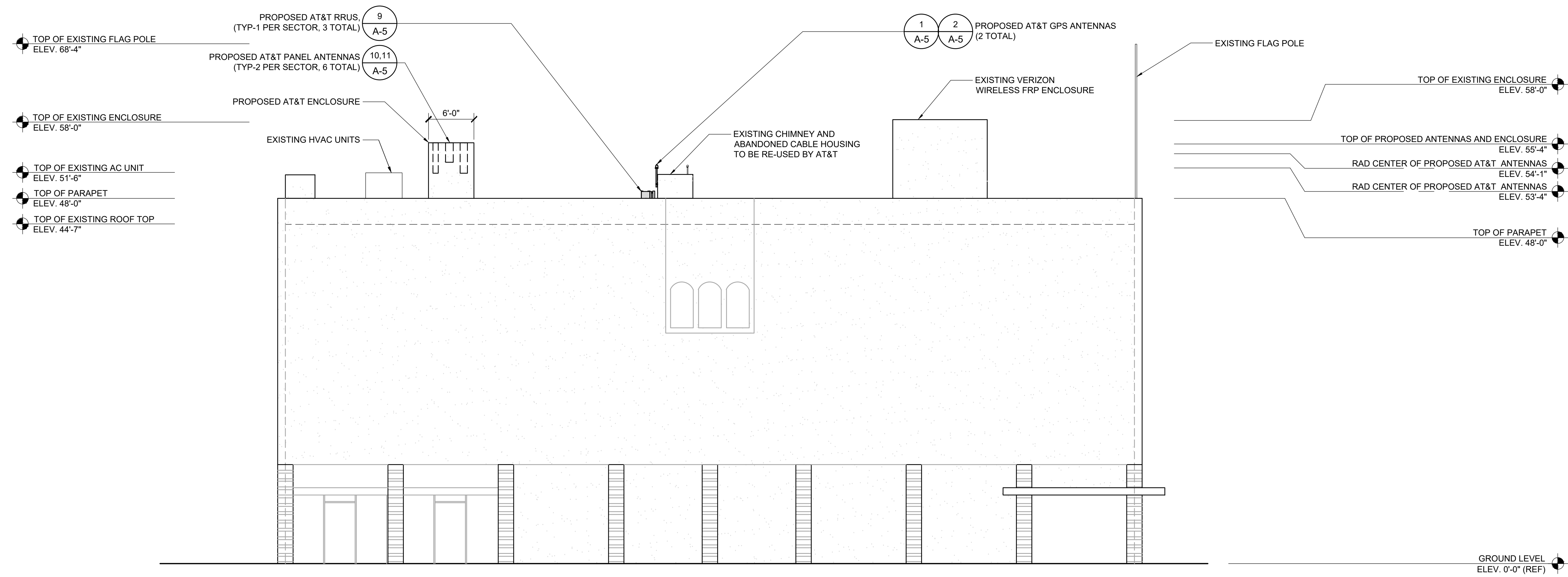
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- CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.

- TOP OF EXISTING FLAG POLE  
ELEV. 68'-4"
- TOP OF EXISTING ENCLOSURE  
ELEV. 58'-0"
- TOP OF EXISTING AC UNIT  
ELEV. 51'-6"
- TOP OF PARAPET  
ELEV. 48'-0"
- TOP OF EXISTING ROOF TOP  
ELEV. 44'-7"



**EXISTING WEST ELEVATION**

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



**PROPOSED WEST ELEVATION**

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



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**ZONING DRAWINGS**

SUBMITTALS		
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PROJECT INFORMATION

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SHEET TITLE

**ELEVATIONS**

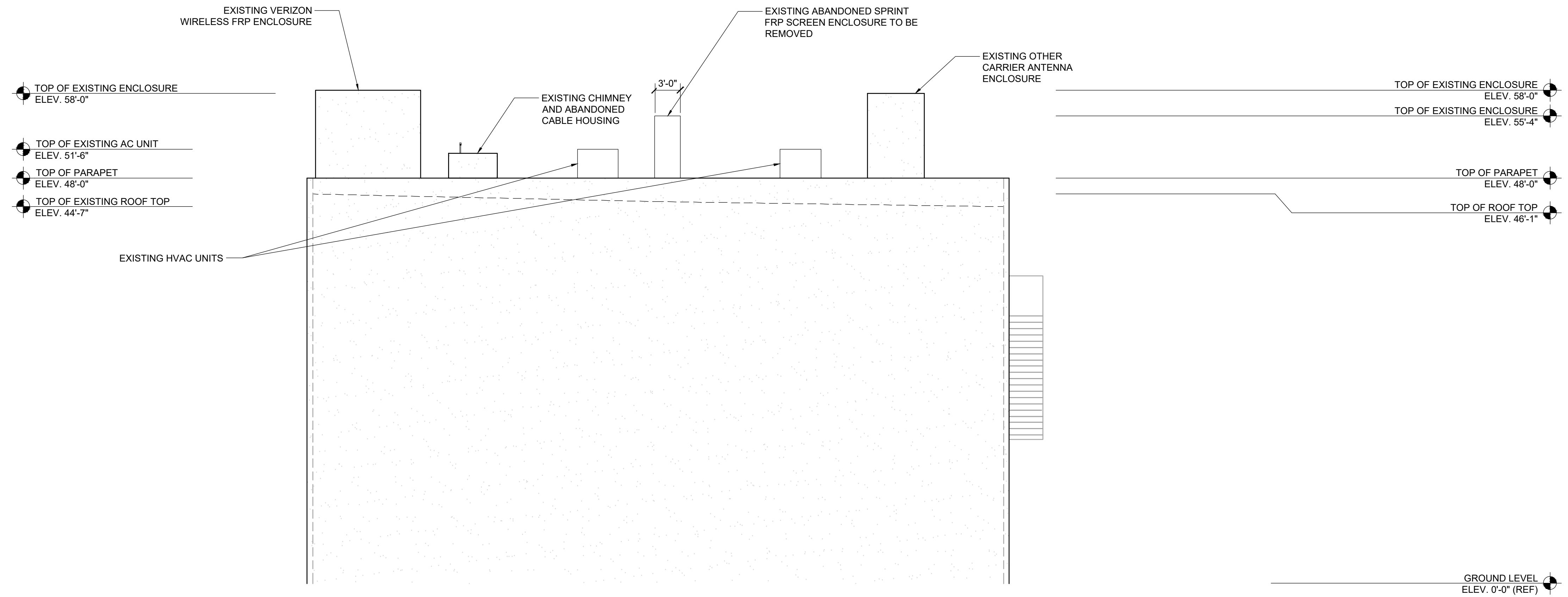
SHEET NUMBER

**A-4.2**

EUKON AT&T\_90CD\_ROOFTOP TEMPLATE\_V1\_11-18-22

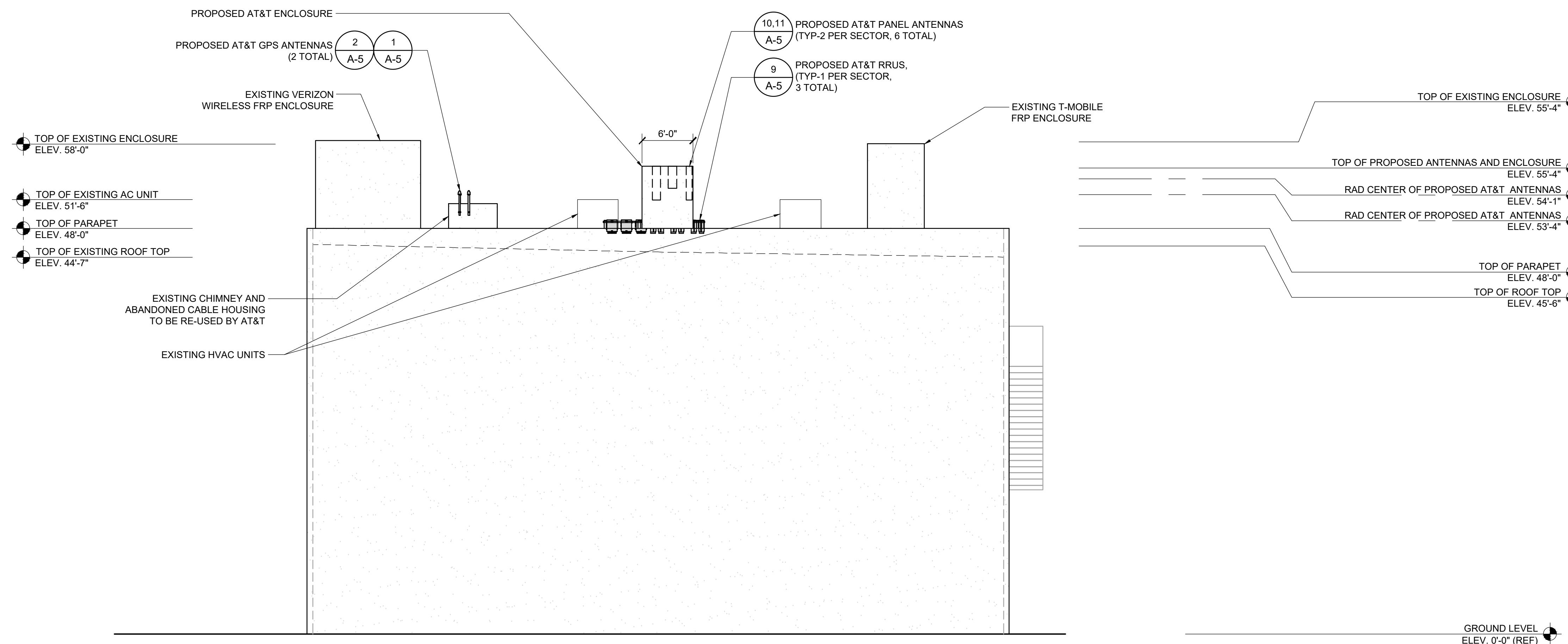
**NOTE:**

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- CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.



**EXISTING NORTH ELEVATION**

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



**PROPOSED NORTH ELEVATION**

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



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**ZONING DRAWINGS**

SUBMITTALS		
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**SHEET TITLE**

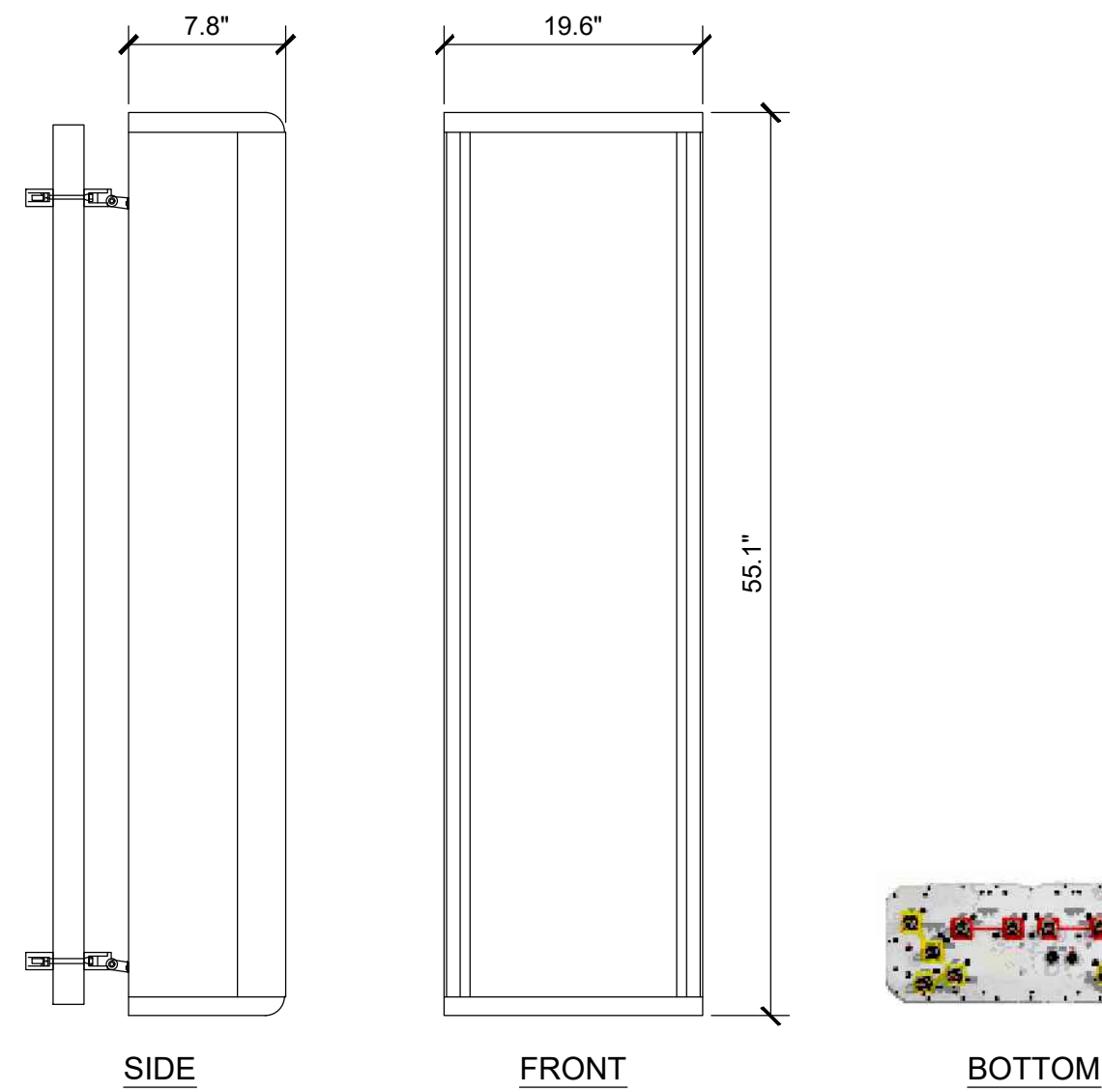
**ELEVATIONS**

**SHEET NUMBER**

**A-4.3**

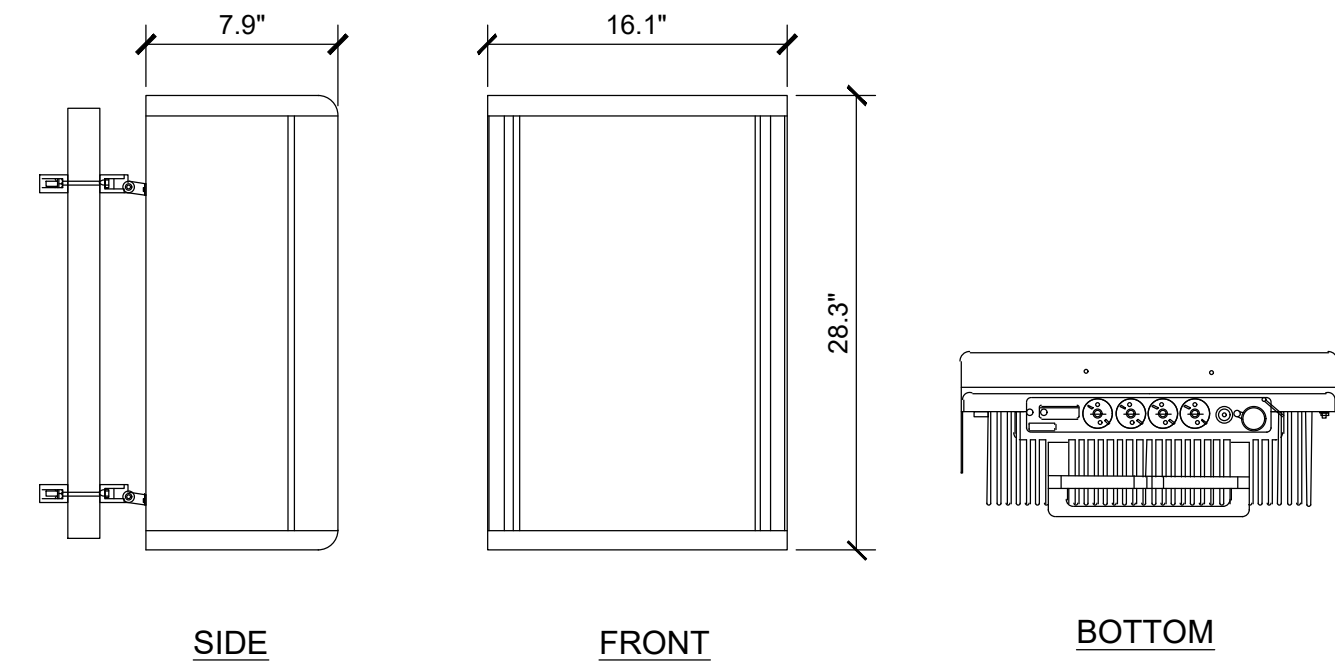
**COMMSCOPE - NNH4-65A-R6**

DIMENSIONS (LxWxD): 55.1 x 19.6 x 7.8 INCHES 73.9 lb (MOUNTING NOT INCL.)  
WEIGHT:



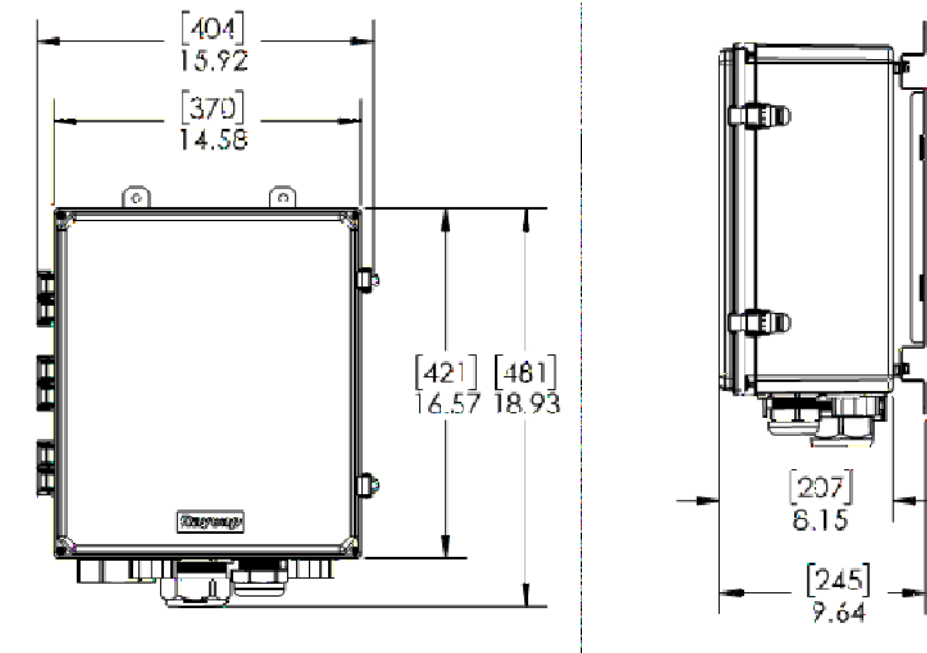
**ERICSSON - AIR6419 B77D**

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



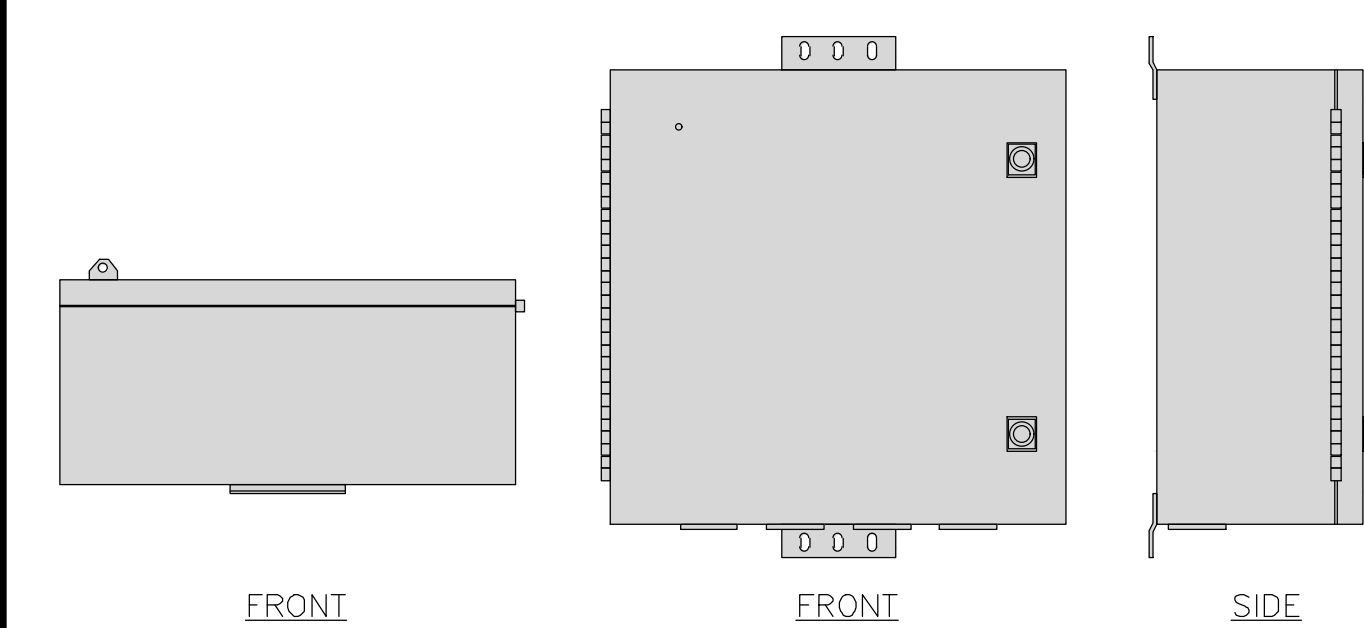
**RAYCAP DC9-48-60-24-PC16-EV**

DIMENSIONS (LxWxD): 16.34"x16.57"x8.19"  
NET WEIGHT: 34.9 lbs



**CHARLES - CFIT-PF2020DSH1 FIBER TELCO ENCLOSURE**

DIMENSIONS (LxWxD): 20"x20"x9"  
WEIGHT: 20 lbs



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**EQUIPMENT DETAILS**

**SHEET NUMBER**

**A-5**

**ANTENNA**

SCALE NONE 10

**SURGE SUPPRESSOR**

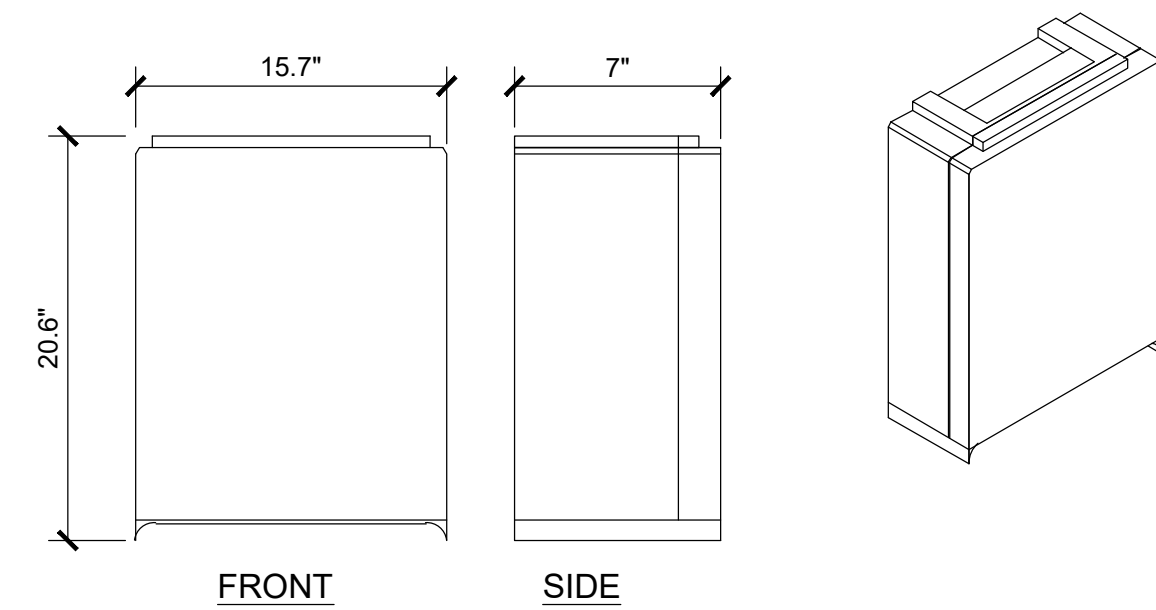
SCALE NONE 7

**FIBER BOX**

SCALE NONE 4

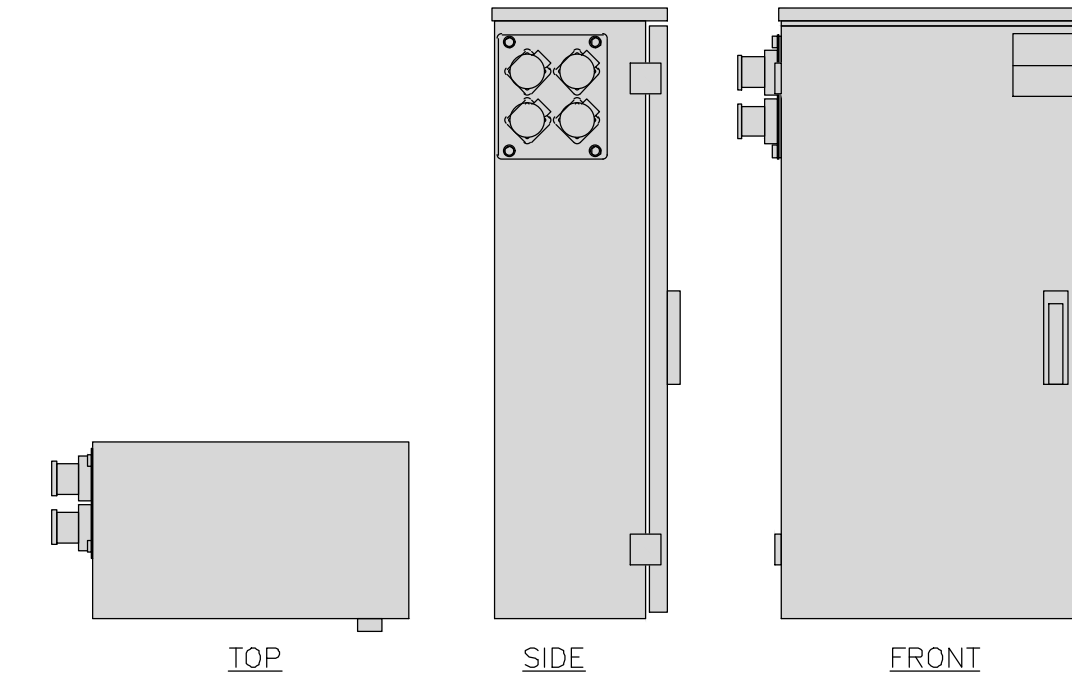
**ERICSSON RRUS-4890 B25/B66**

DIMENSIONS, WxDxH: 15.7 x 7" x 20.6"



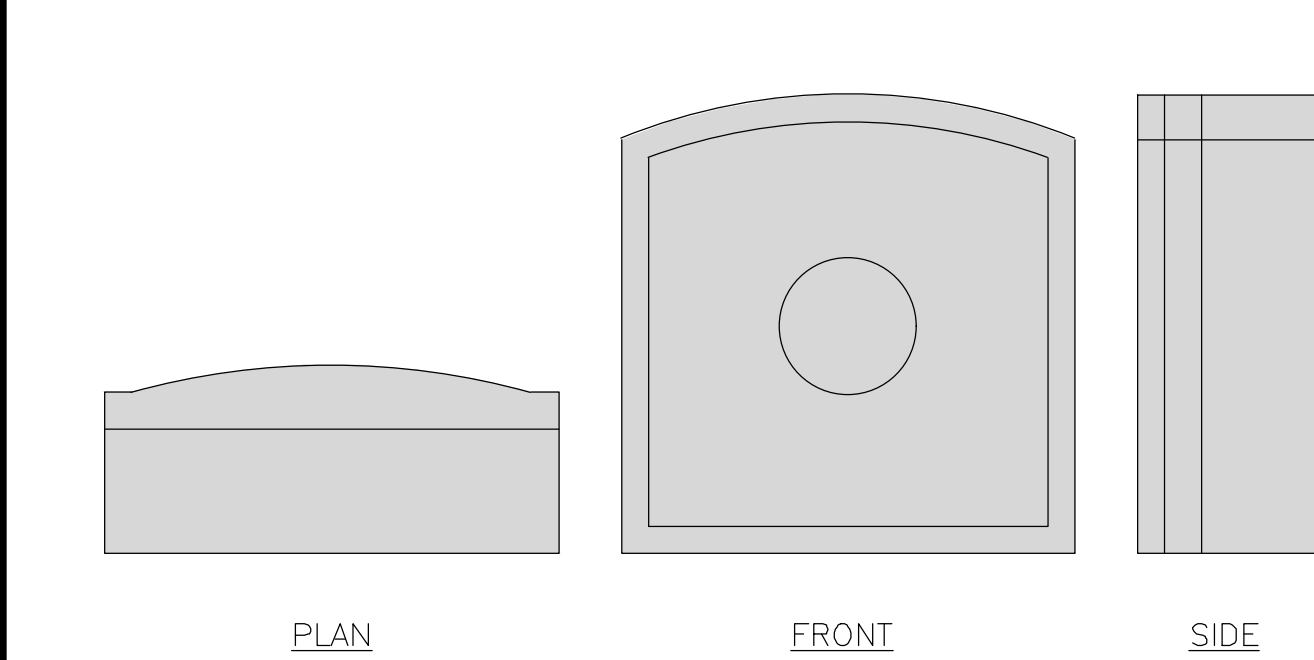
**RAYCAP - PPC RDIAC-2465-P-240-MTS**

DIMENSIONS (LxWxD): 39"x22.85"x12.593  
WEIGHT: 80 lbs



**CIENA - 3931 SERVICE DELIVERY SWITCH**

DIMENSIONS (LxWxD): 17.0"x16.8"x7.0"  
WEIGHT: 28.6 lbs



**ANTENNA**

SCALE NONE 11

**RADIO**

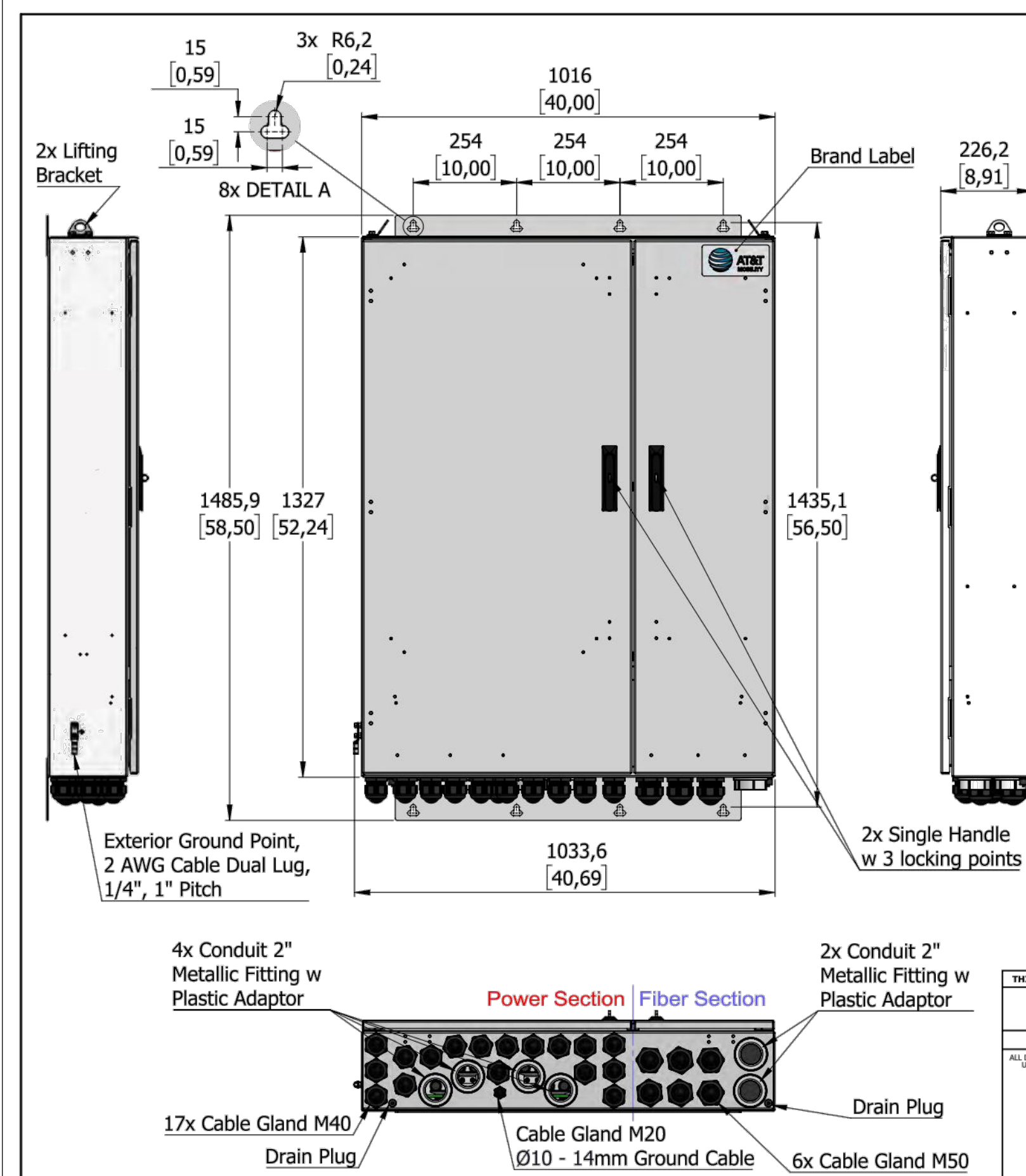
SCALE NONE 9

**PPC**

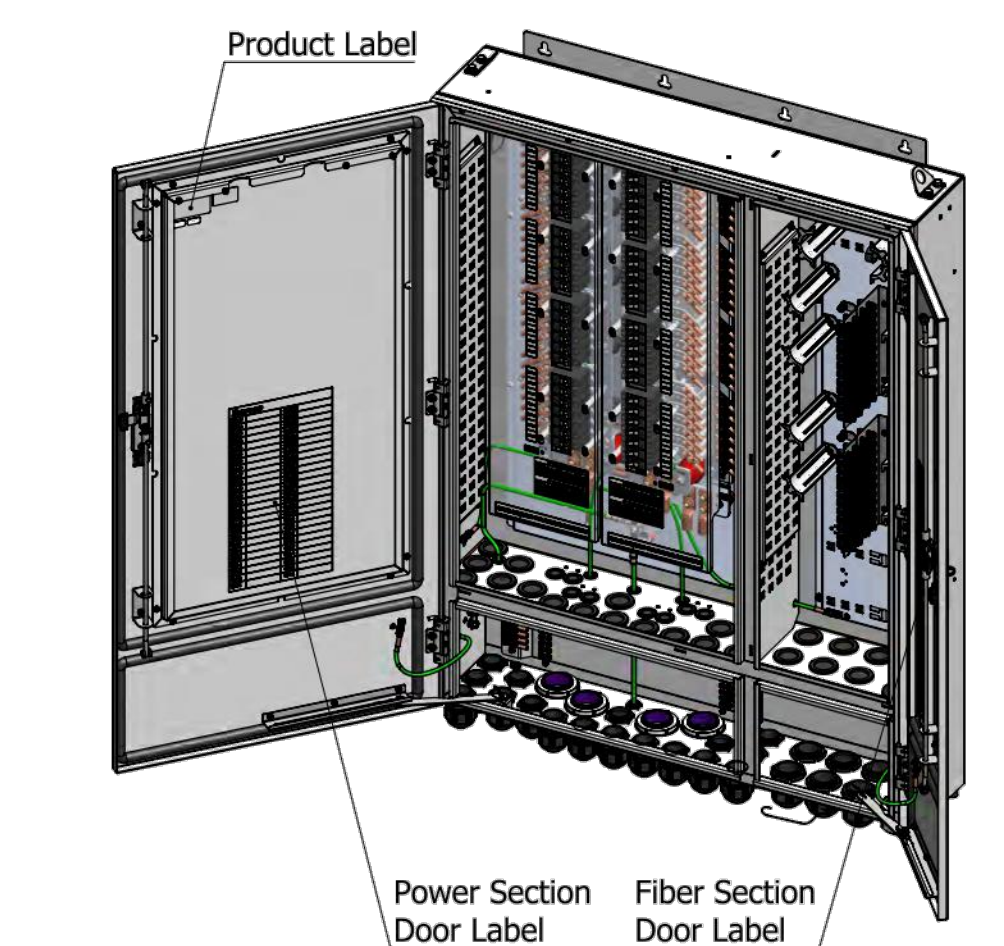
SCALE NONE 6

**CIENA**

SCALE NONE 3



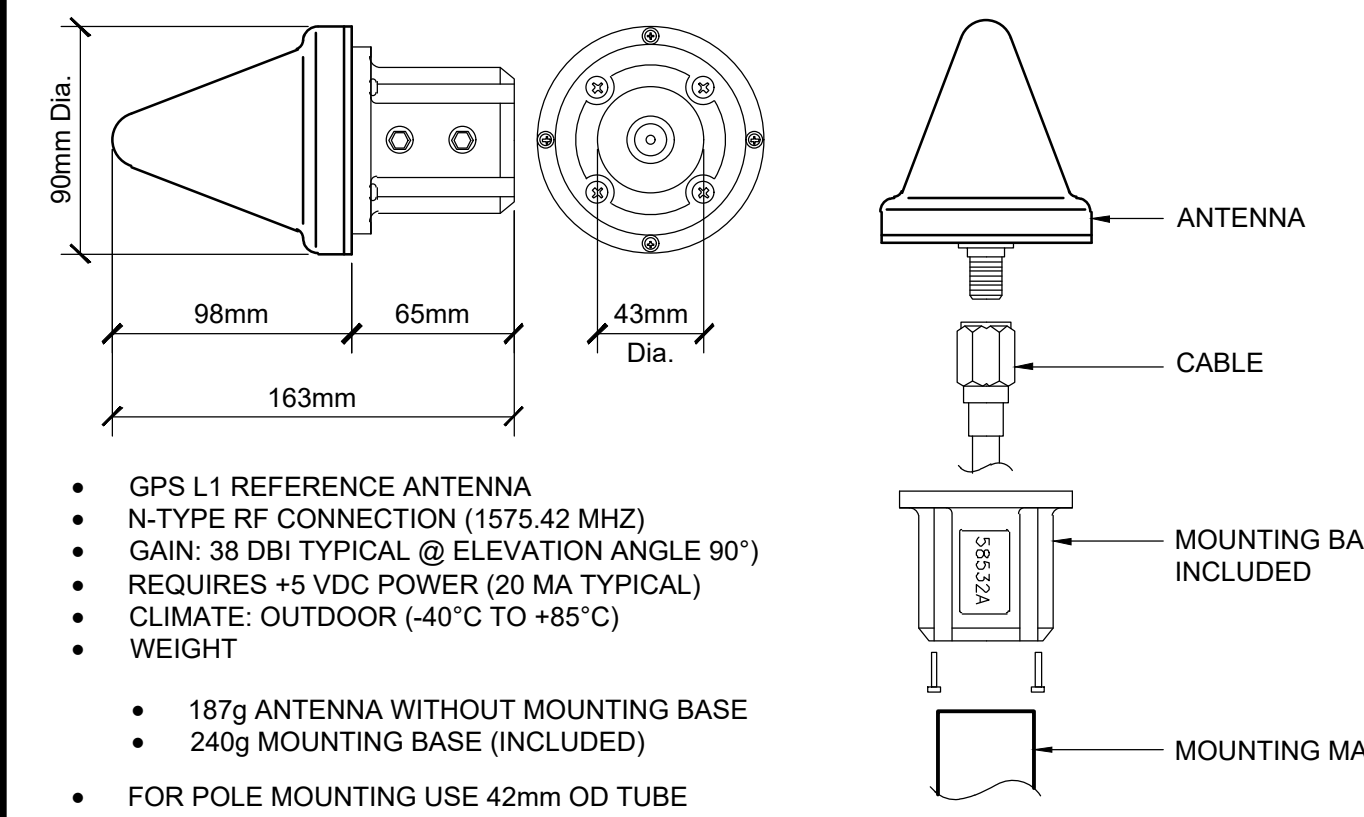
REV.	DATE	CHANGE DESCRIPTION	APPROVED
14	20JUL22	Updated Drawing	K. Bakatsias
13	12MAY22	Enclosure Material Changed to Aluminum	K. Bakatsias
12	13APR22	LEDs added on PCBs	K. Bakatsias
11	08APR22	Model Updated	K. Bakatsias
10	13MAR22	Model Updated	K. Bakatsias
09	27JAN22	Model Updated	K. Bakatsias
08	21DEC21	Main GND Lug Updated, Enclosure Mounting Updated	K. Bakatsias
07	20DEC21	Updated Wire Lug Information	K. Bakatsias
06	15DEC21	Design Updated	K. Bakatsias
05	13DEC21	New design with Pluggable SPDs, Enclosure updated	K. Bakatsias
04	10DEC21	Wet Chamber added, Fiber Section updated, Enclosure updated	K. Bakatsias
03	06DEC21	Ground Bar updated, Minor changes	K. Bakatsias
02	04DEC21	Breakers arrangement updated, Cable Glands updated	K. Bakatsias
01	03DEC21	Release for Review	K. Bakatsias



**Raycap**  
DC50-48-60-96-50F CRD

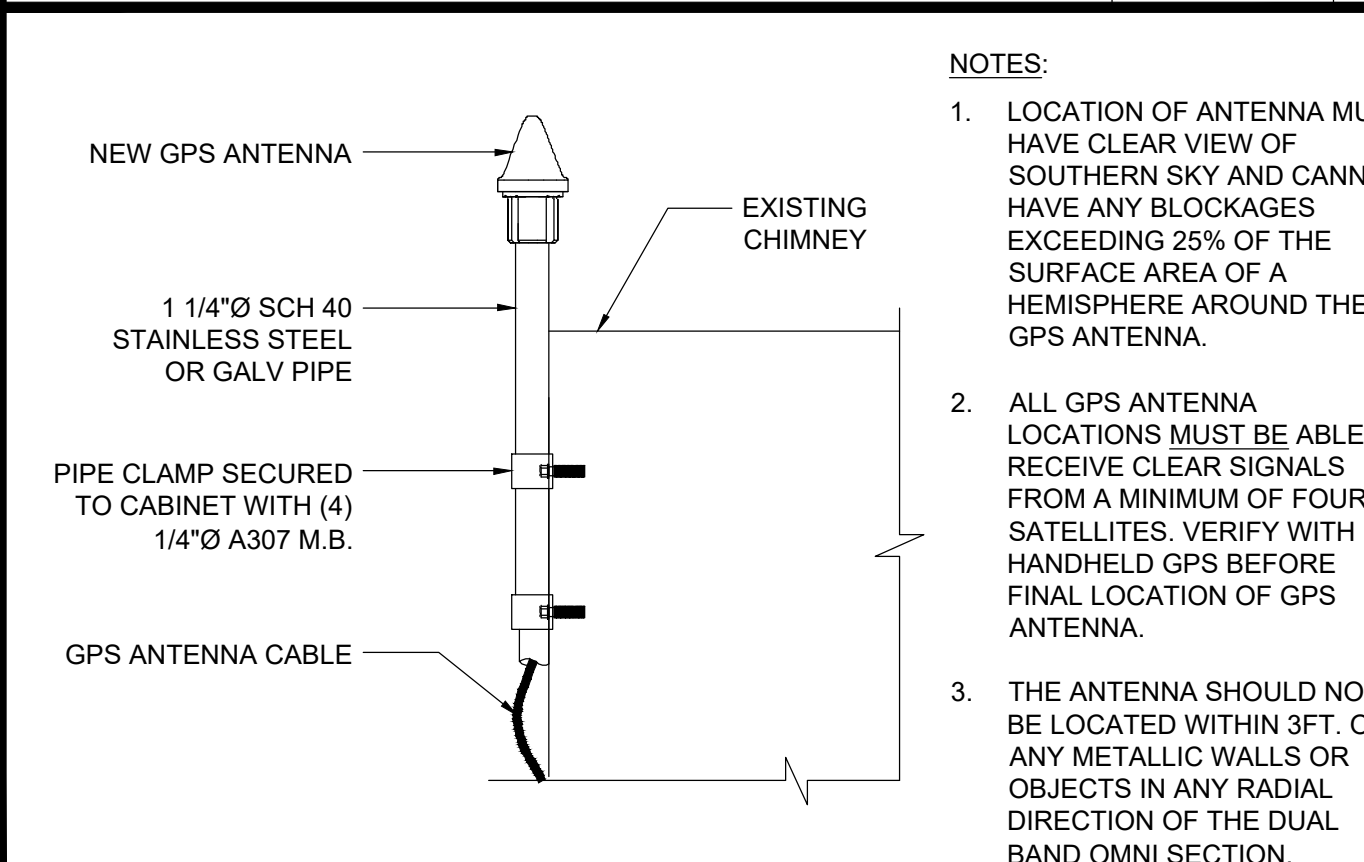
DATE	NAME
03DEC21	E. Gkithonas
03DEC21	K. Bakatsias
ENG:	
MFG. ENG:	

SCALE: NOT TO SCALE SHEET 1 OF 6



**GPS ANTENNA SPEC**

SCALE NONE 2



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

**SURGE SUPPRESSOR**

SCALE NONE 8

SCALE NONE 5

**GPS ANTENNA MOUNTING**

SCALE NONE 1



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ZONING DRAWINGS

SUBMITTALS

REV	DATE	DESCRIPTION
A	10/27/23	90% ZONING DRAWINGS
B	01/17/24	DRM COMMENTS
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CLL01157

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ORANGE, CA 92804

SHEET TITLE

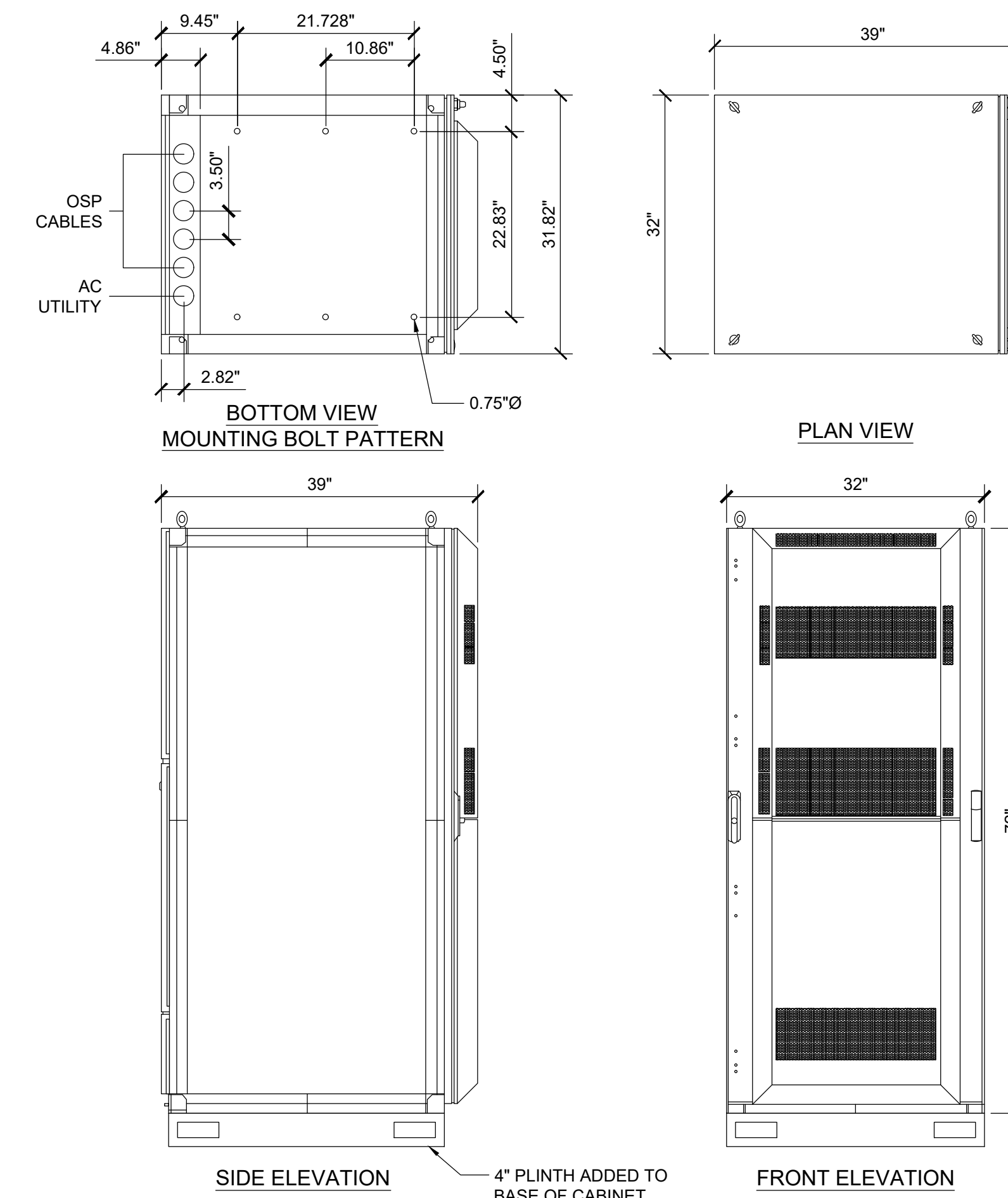
EQUIPMENT DETAILS

SHEET NUMBER

A-6

VERTIV XTE 601B 72" - NETXTEND BATTERY CABINET

**TECHNICAL SPECIFICATIONS:**  
BATTERY SHELVES: (5) SHELVES (+24V DC - 12 STRING MAX -48V DC - 6 STRING MAX)  
**ENVIRONMENTAL:**  
OPERATING TEMPERATURE: -40°F TO 115°F (-40°C TO 46°C) CONTINUOUS OPERATIONS  
HUMIDITY: 0% TO 95% RELATIVE HUMIDITY, NON-CONDENSING  
**THERMAL SOLUTIONS:**  
BATTERY CHAMBER: FAN COOLED, FRESH AIR VENTILATION  
**EQUIPMENT:**  
GROUND BAR: 100 POSITIONS  
TERMINAL BLOCK: 12 POSITION PHOENIX ALARM BLOCK  
**SAFETY:**  
ENCLOSURE: TBD  
**MECHANICAL SPECIFICATIONS:**  
DIMENSIONS: 72"H x 32"W x 39"D  
WEIGHT: 4100 LBS.



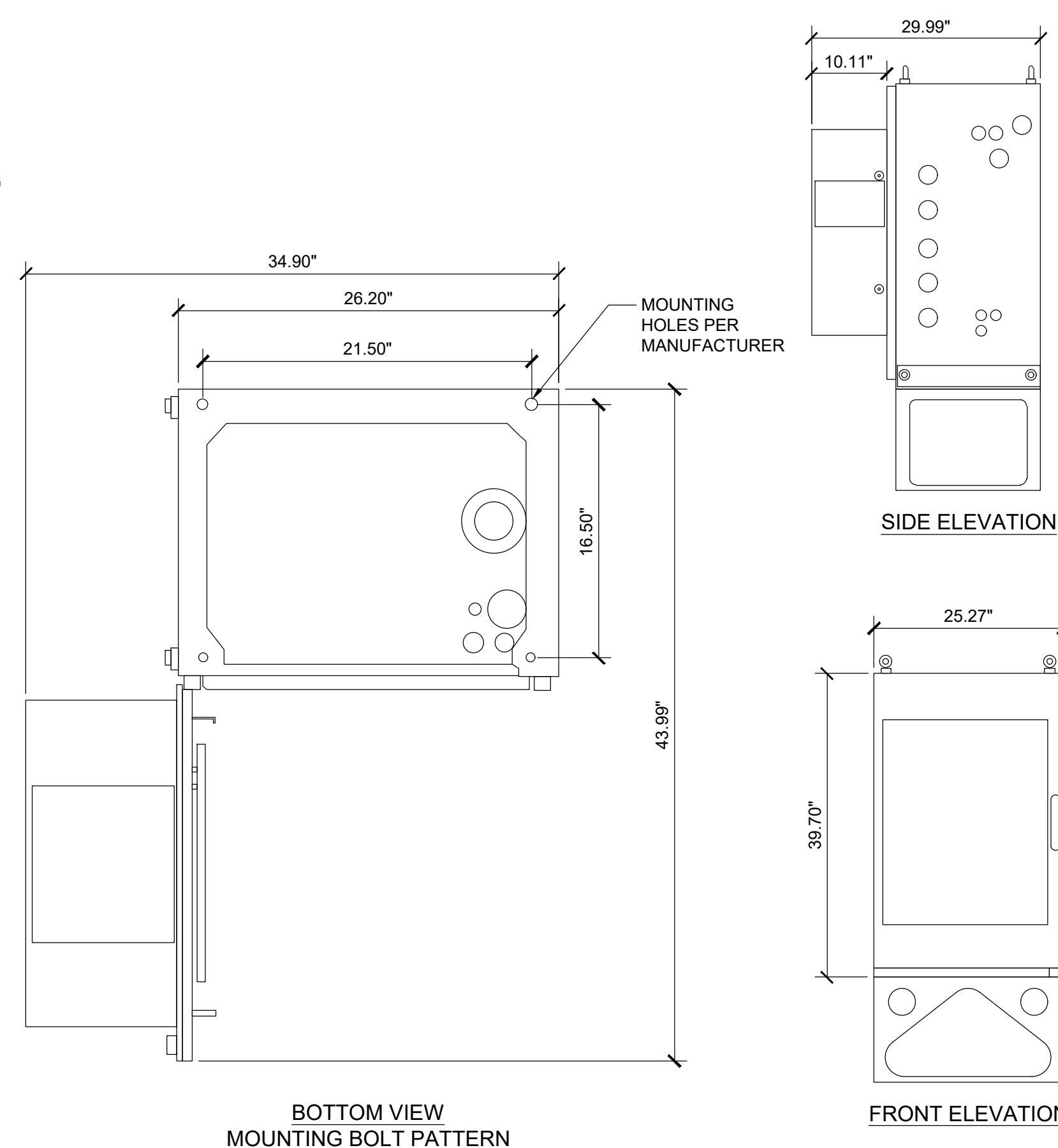
NOT USED

4 BATTERY CABINET

SCALE NONE 2

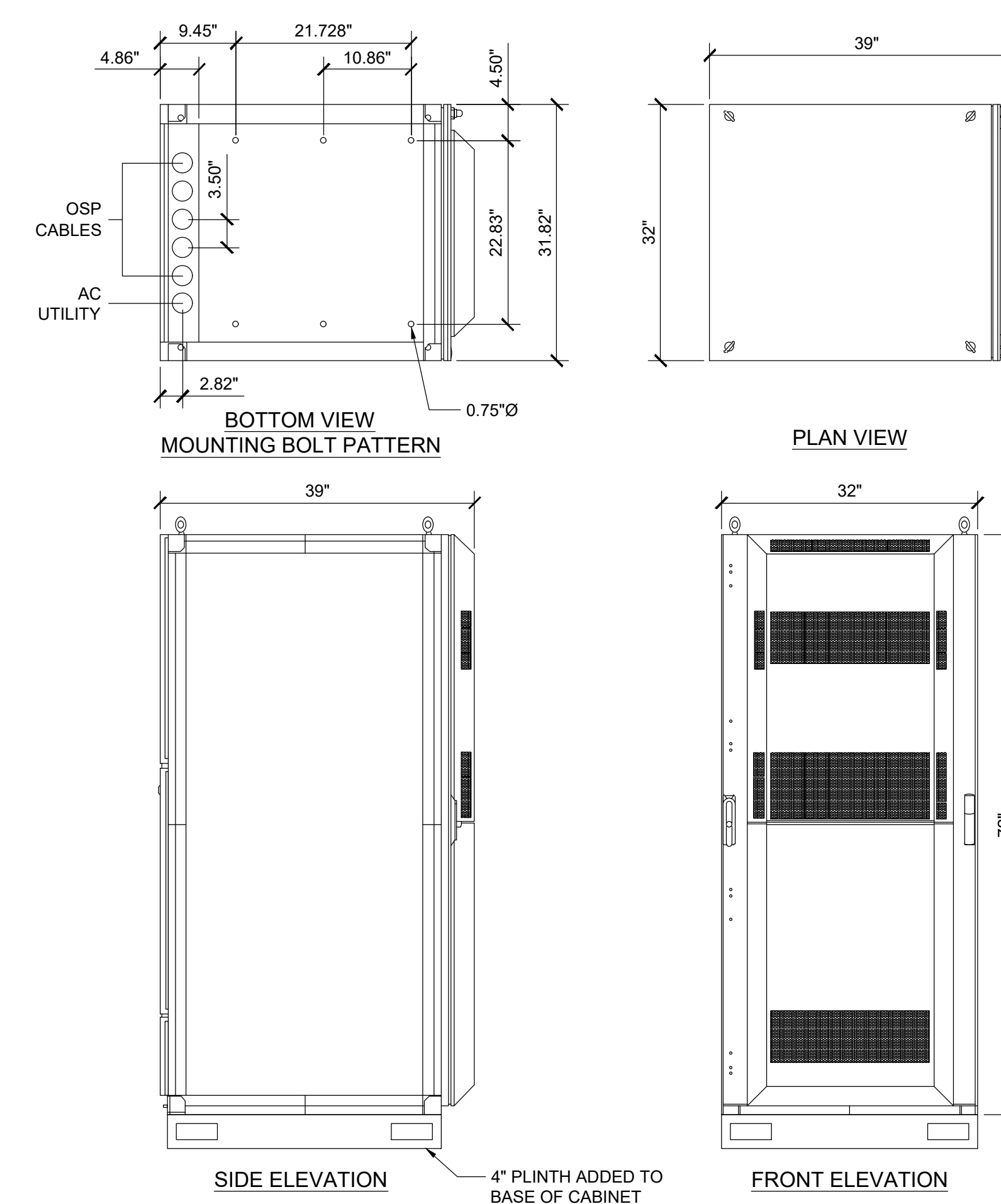
PURCELL CABINET - 66010D FLX21

**MECHANICAL SPECIFICATIONS:**  
DIMENSIONS: 39.70"H x 25.27"W x 30"D  
FINISH: ULTRA-LIGHT GRAY POLYESTER POWDER COAT FINISH  
MOUNTING OPTIONS: 4" & 12" RISER PLINTHS, PAD, POLE, H-FRAME, WALL, UNISTRUT, STACKING  
WEIGHT: 140 LBS EMPTY 250 LBS FULL  
**SAFETY:**  
ENCLOSURE: UL508A  
**ENVIRONMENTAL:**  
OPERATING TEMPERATURE: -40°F TO 115°F (-40°C TO 46°C) CONTINUOUS OPERATIONS  
HUMIDITY: 0% TO 95% RELATIVE HUMIDITY, NON-CONDENSING  
**THERMAL SOLUTIONS:**  
POWER CHAMBER: 1600 WATTS



VERTIV XTE 601P - NETSURE 512 DC POWER SYSTEM

**DC POWER SYSTEM FEATURES:**  
NOMINAL SYSTEM VOLTAGE: -48 VDC or +24 VDC  
CONTROL: MICROPROCESSOR (ACU+)  
**RATED OUTPUT CAPACITY - MAX CONFIGURATION:**  
SYSTEM: 525A @ -48V DC PLUS REDUNDANCY 400A @ +24V DC PLUS REDUNDANCY  
RECTIFIER: 2000 WATTS (41.7A)  
CONVERTER: 1200 WATTS (50A), -48V DC TO +24V DC  
DISTRIBUTION PANEL TOP SECTION: WIRED FOR (16) +24V AND (13) -48V BULLET POSITIONS  
BOTTOM SECTION: (30) -48V BULLET POSITIONS  
**ENVIRONMENTAL:**  
OPERATING TEMPERATURE: -40°F TO 115°F (-40°C TO 46°C) CONTINUOUS OPERATIONS  
HUMIDITY: 0% TO 95% RELATIVE HUMIDITY, NON-CONDENSING  
**THERMAL SOLUTIONS:**  
POWER CHAMBER: 2500 WATT DOOR-MOUNTED HEAT EXCHANGER, 2 RU AVAILABLE SPACE FOR SURGE PROTECTION  
BATTERY CHAMBER: FAN COOLED, FRESH AIR VENTILATION, HOLDS UP TO (3) BATTERY STRINGS  
**EQUIPMENT:**  
GROUND BAR: 10 POSITIONS  
TERMINAL BLOCK: 12 POSITION PHOENIX ALARM BLOCK 32 POSITION PHOENIX ALARM BUNCHING BLOCK  
**SAFETY:**  
DC POWER SYSTEM: UL 1801 LISTED (US & CANADA) NEBS LEVEL 3  
ENCLOSURE: GR-487, UL 60950, AND SEISMIC ZONE 4 COMPLIANT  
**MECHANICAL SPECIFICATIONS:**  
DIMENSIONS: 72"H x 32"W x 39"D  
WEIGHT: 752 LBS.



PURCELL CABINET

3 POWER PLANT

SCALE NONE 1

EUKON\_AT&T\_90CD\_ROOFTOP\_TEMPLATE\_V1\_11-18-22