

GENERAL NOTES

- DRAWINGS ARE NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE, AND THIS SET OF PLANS IS INTENDED TO BE USED FOR DIAGRAMMATIC PURPOSES ONLY, UNLESS NOTED OTHERWISE. THE GENERAL CONTRACTOR'S SCOPE OF WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR, AND ANYTHING ELSE DEEMED NECESSARY TO COMPLETE INSTALLATIONS AS DESCRIBED HEREIN.
- PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTORS INVOLVED SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH ALL CONDITIONS AFFECTING THE PROPOSED PROJECT, WITH THE CONSTRUCTION AND CONTRACT DOCUMENTS, FIELD CONDITIONS AND CONFIRM THAT THE PROJECT MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY ERRORS, OMISSIONS, OR DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER, AND PROJECT MANAGER. (C.C.)
- THE GENERAL CONTRACTOR SHALL RECEIVE WRITTEN AUTHORIZATION TO PROCEED WITH CONSTRUCTION PRIOR TO STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED BY THE CONSTRUCTION DRAWINGS/ CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO MANUFACTURER'S/ VENDOR'S SPECIFICATIONS UNLESS NOTED OTHERWISE OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.
- ALL WORK PERFORMED ON PROJECT AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK.
- GENERAL CONTRACTOR SHALL PROVIDE AT THE PROJECT SITE A FULL SET OF CONSTRUCTION DOCUMENTS UPDATED WITH THE LATEST REVISIONS AND ADDENDUM'S OR CLARIFICATIONS FOR THE USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT, STAMPED ORIGINALS SHALL NOT BE USED FOR REDLINE PURPOSES.
- THE STRUCTURAL COMPONENTS OF THIS PROJECT SITE/FACILITY ARE NOT TO BE ALTERED BY THIS CONSTRUCTION PROJECT UNLESS NOTED OTHERWISE.
- DETAILS INCLUDED HEREIN ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB CONDITIONS OR SITUATIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE SCOPE OF WORK.
- SEAL PENETRATIONS THROUGH FIRE-RATED AREAS WITH U.L. LISTED OR FIRE MARSHALL APPROVED MATERIALS IF APPLICABLE TO THIS FACILITY AND OR 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 DURING CONSTRUCTION.
- THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, EASEMENTS, PAVING, CURBING, ETC. DURING CONSTRUCTION. UPON COMPLETION OF WORK, CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DUE TO CONSTRUCTION ON OR ABOUT THE PROPERTY.
- CONTRACTOR SHALL ENSURE THAT GENERAL WORK AREA IS KEPT CLEAN AND HAZARD FREE DURING CONSTRUCTION AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. PREMISES SHALL BE LEFT IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE. SITE SHALL BE SECURED, SAFE AND CLEAN UPON COMPLETION OF WORK EACH DAY.
- THE ARCHITECTS/ENGINEERS HAVE MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK. CONTRACTORS BIDDING THE JOB ARE NEVERTHELESS CAUTIONED THAT MINOR OMISSIONS OR ERRORS IN THE DRAWINGS AND OR SPECIFICATIONS SHALL NOT EXCUSE SAID CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS. THE BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE ARCHITECT/ENGINEER OF ANY CONFLICTS, ERRORS, OR OMISSIONS PRIOR TO THE SUBMISSION OF CONTRACTOR'S PROPOSAL. IN THE EVENT OF DISCREPANCIES THE CONTRACTOR SHALL PRICE THE MORE COSTLY OR EXTENSIVE WORK, UNLESS DIRECTED OTHERWISE.
- IF THERE IS ANY DISCREPANCY FOUND AT C1025 ON THE RECTIFIER COUNT OR BATTERY COUNT IN RELATION TO THE SPCT PLEASE CONTACT AT&T CONSTRUCTION MANGER



at&t

SITE NUMBER: CCL04554
SITE NAME: MARIN AVENUE
 1035 SAN PABLO AVENUE
 ALBANY, CA 94706
 5G NR RADIO; 5G NR 1SR C-BAND

PACE#: MRSFR077754
PTN#: 3701A0YH52
PACE#: MRSFR077784
PTN#: 3701A0YH00
FA#: 10113497

LEGEND

- A — ANTENNA CABLE (ABOVE GROUND)
- T — TELEPHONE SERVICE (ABOVE GROUND)
- E — POWER SERVICE (ABOVE GROUND)
- G — GROUND RING (ABOVE GROUND)
- - - A - - - ANTENNA CABLE (BURIED)
- - - T - - - TELEPHONE SERVICE (BURIED)
- - - E - - - POWER SERVICE (BURIED)
- - - G - - - GROUND RING (BURIED)
- — — — — PROPERTY BOUNDARY LINE
- - - - - INTERNAL PROPERTY LOT LINE

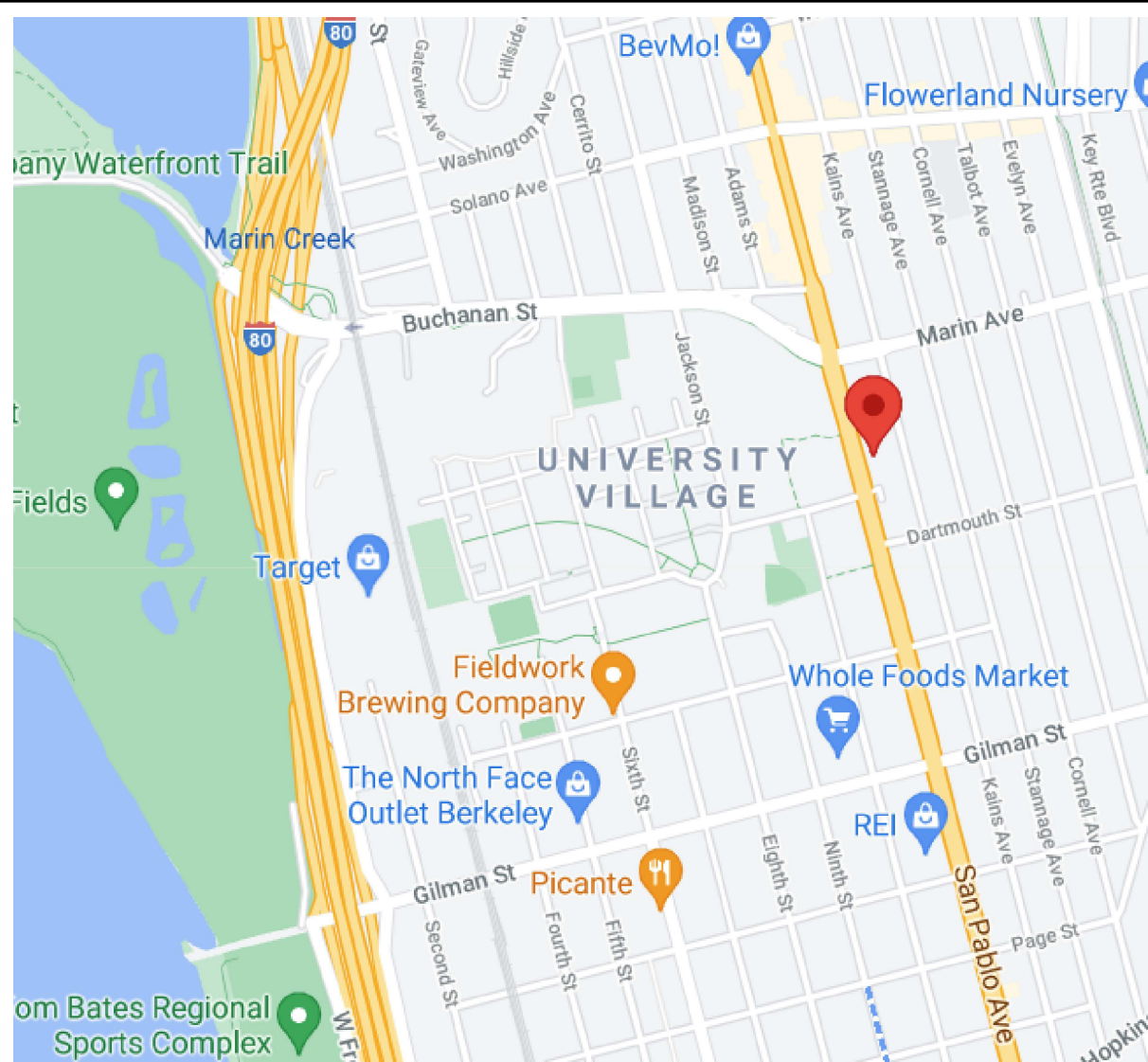
PROJECT SUMMARY

SITE NAME: MARIN AVENUE
 SITE NUMBER: CCL04554
 SITE ADDRESS: 1035 SAN PABLO AVENUE
 ALBANY, CA 94706
 PROPERTY OWNER: DALLAS ALLEN AND AS SATAKE
 OWNER ADDRESS: 619 SAN PABLO AVENUE
 ALBANY, CA 94706
 APPLICANT: AT&T MOBILITY
 APPLICANT'S ADDRESS: 5001 EXECUTIVE PARKWAY
 SAN RAMON, CA 94583
 ASSESSORS PARCEL NUMBER: 065-2662-049-01
 LATITUDE: 37.8853080°
 LONGITUDE: -122.2970000°
 ZONING: V-B
 CONSTRUCTION TYPE: U
 OCCUPANCY: CITY OF ALBANY
 JURISDICTION: ALAMEDA
 COUNTY:

SHEET INDEX

- T-1 TITLE SHEET
- A-1 OVERALL SITE PLAN
- A-1.1 ENLARGED SITE PLAN
- A-1.2 (E) ANTENNA PLAN
- A-1.3 PROPOSED ANTENNA PLAN
- A-1.4 ANTENNA DETAILS
- A-1.5 DETAILS
- A-2 ELEVATIONS
- DC-1 DC POWER DESIGN

VICINITY MAP



CONTACTS

APPLICANT:
 AT&T MOBILITY
 5001 EXECUTIVE PARKWAY
 SAN RAMON, CA 94583

AT&T PROJECT MANAGER:
 BRANDY VASSALLO
 5001 EXECUTIVE PARKWAY
 SAN RAMON, CA 94583

AT&T CONSTRUCTION MANAGER:
 DAVE THOMAS
 5001 EXECUTIVE PARKWAY
 SAN RAMON, CA 94583
 (925) 314-6210

ENGINEERING FIRM:
 PEEK SITE-COM
 12852 EARHART AVE SUITE 101
 AUBURN, CA 95602
 (916) 885-6160

LEASING & ZONING MANAGER:
 QUALTEK WIRELESS
 JENNIFER PRESTON
 1200 DEL PASO ROAD, SUITE 150
 SACRAMENTO, CA 95834
 (916) 267-4742

CODE COMPLIANCE

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

- 2019 CALIFORNIA BUILDING CODE
- 2019 CALIFORNIA FIRE CODE
- 2019 CALIFORNIA ELECTRICAL CODE
- 2019 CALIFORNIA PLUMBING CODE
- 2019 CALIFORNIA MECHANICAL CODE
- 2019 CALIFORNIA HEALTH AND SAFETY CODE

ACCESSIBILITY REQUIREMENTS:
 THIS FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH THE 2019 CALIFORNIA BUILDING CODE, CHAPTER 11B, EXCEPTION SECTION 11B-203.5

PROJECT DESCRIPTION

AT&T MOBILITY PROPOSES TO MODIFY AN EXISTING UNMANNED TELECOMMUNICATIONS FACILITY. THESE MODIFICATIONS WILL CONSIST OF THE FOLLOWING:

- (6) (E) ANTENNAS TO BE REMOVED AND REPLACED WITH (6) NEW ANTENNAS
- (3) (E) RRUS-11 B2 TO BE REMOVED AND REPLACED WITH (3) NEW RRUS-4415 B25
- (1) NEW #4 AWG DC TRUNK TO BE INSTALLED AND RAN TO (E) DC-6
- (1) NEW STRING OF 155 AH BATTERIES TO BE INSTALLED IN BOTTOM OF (E) POWER PLANT
- (1) NEW 6648 TO BE INSTALLED IN (E) RF RACK
- (E) INFINITY NE-M POWER PLANT WITH (8) (E) -48V RECTIFIERS, (1) NEW -48V RECTIFIER TO BE INSTALLED FOR A TOTAL OF (9)

PROPRIETARY INFORMATION
 THE INFORMATION CONTAINED IN THIS SET OF DRAWINGS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO PEEK SITE-COM IS STRICTLY PROHIBITED

CLIENT:

1200 DEL PASO ROAD, SUITE 150
 SACRAMENTO, CA 95854

5001 EXECUTIVE PARKWAY
 SAN RAMON, CA 94583

PROJECT INFORMATION:

MARIN AVENUE
 1035 SAN PABLO AVENUE
 ALBANY, CA 94706

REV:	DATE:	DESCRIPTION:	BY:
1	6-29-21	90% CONSTRUCTION DOC'S	ALP
2	8-27-21	95% CONSTRUCTION DOC'S	ALP

COORDINATING ENGINEER:

Peek Site-Com
 12852 Earhart Ave. Suite 101
 Auburn, California 95602
 Phone (530) 885-6160
 E-Mail info@peeksitcom.com

SEAL:

SITE #: CCL04554
 CHK.: ...
 DRAWN BY: ALP

TITLE SHEET

SHEET NUMBER:
T-1

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MARIN AVENUE

1035 SAN PABLO AVENUE
 ALBANY, CA 94706

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12852 Earhart Ave. Suite 101
 Auburn, California 95602
 Phone (530) 885-6160
 E-Mail info@peeksitcom.com

SEAL:



SITE #: CHK.: DRAWN BY:

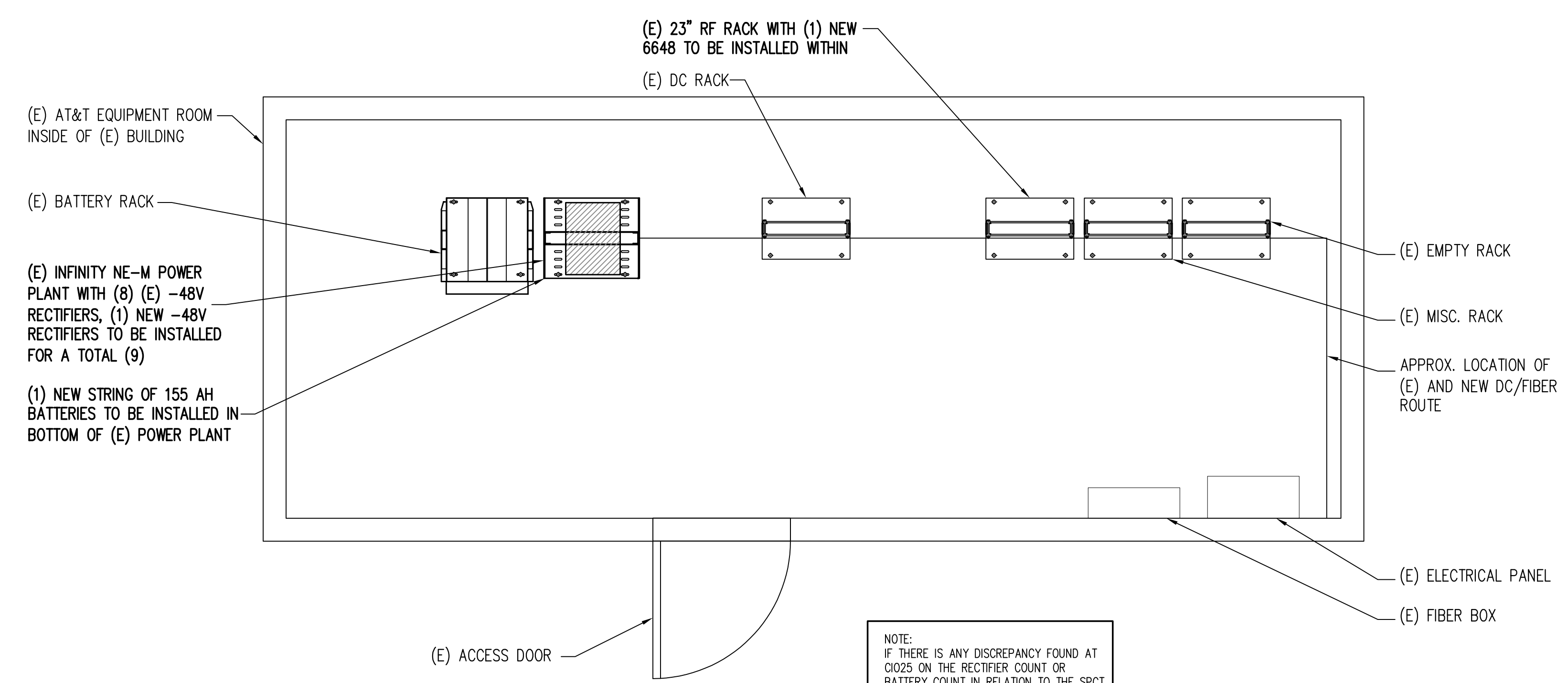
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ENLARGED SITE PLAN

SHEET NUMBER:

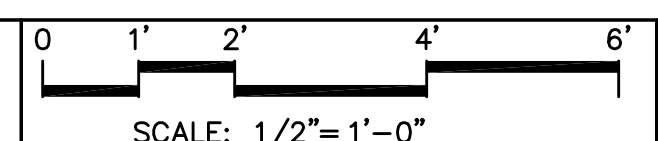
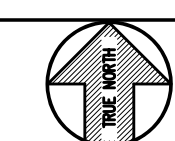
A-1.1



NOTE:
 IF THERE IS ANY DISCREPANCY FOUND AT C025 ON THE RECTIFIER COUNT OR BATTERY COUNT IN RELATION TO THE SPCT PLEASE CONTACT DAVE THOMAS IMMEDIATELY AT (925) 314-6210

NOTE:
 (1) (E) 40/2 C.B. TO BE TURNED ON FOR NEW RECTIFIER

ENLARGED SITE PLAN



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CLIENT: _____



PROJECT INFORMATION: _____

MARIN AVENUE
 1035 SAN PABLO AVENUE
 ALBANY, CA 94706

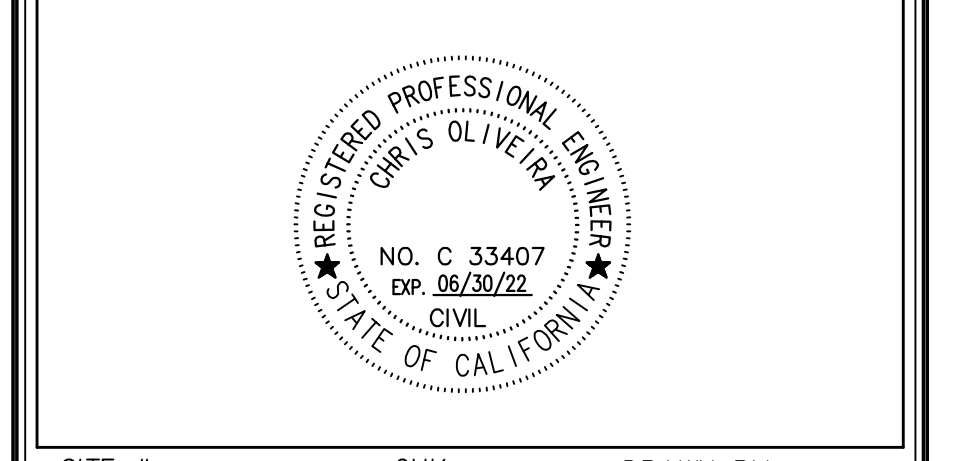
REV: _____ DATE: _____ DESCRIPTION: _____ BY: _____

REV	DATE	DESCRIPTION	BY
1	6-29-21	90% CONSTRUCTION DOC'S	ALP
2	8-27-21	95% CONSTRUCTION DOC'S	ALP

COORDINATING ENGINEER: _____

Peek Site-Com
 12852 Earhart Ave. Suite 101
 Auburn, California 95602
 Phone (530) 885-6160
 E-Mail info@peeksitecom.com

SEAL: _____

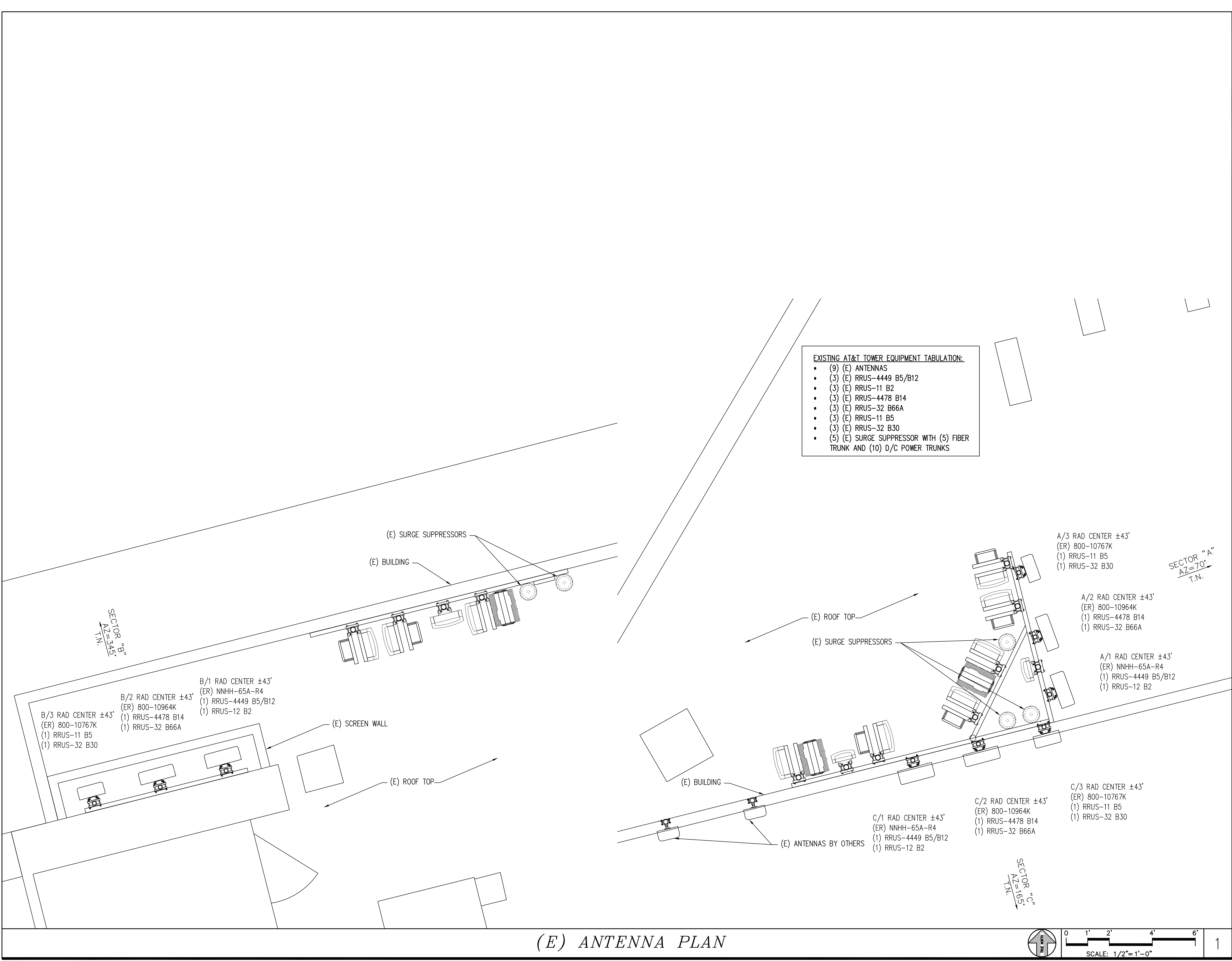


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 CCL04554 ... ALP

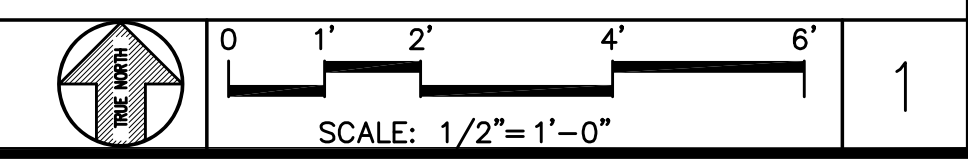
SHEET TITLE: **ANTENNA PLAN**

SHEET NUMBER: _____

A-1.2



(E) ANTENNA PLAN



FINAL ANTENNA CONFIGURATION CHART/VERSION 2.00, DATED 5/27/2021

LEGEND:

- B - ANTENNA BY OTHERS
- ER - EXISTING ANTENNA TO REMAIN
- NRE - NEW ANTENNA TO REPLACE EXISTING
- NRO - NEW ANTENNA TO REPLACE ANTENNA BY OTHERS
- N - NEW ANTENNA TO BE INSTALLED
- FBO - FUTURE BY OTHERS
- ** - AT GROUND LEVEL

NOTE:

(3) (E) RRUS-11 B2 TO BE REMOVED

NOTE:

CONTRACTOR TO ENSURE THAT THE JUMPERS FOR RRUS-4478 B14 ARE THE SAME LENGTH

SECTOR/POS.	RAD CENTER	PHYSICAL AZIMUTH	EXISTING ANTENNA MODEL	NEW ANTENNA MODEL	ANT. STATUS	TECH./FREQUENCY	RRU
A/1	± 43'	70°	NNHH-65A-R4	NNHH-65A-R4	ER	LTE 700G /5G 850/LTE 1900/5G 1900	(1) (E) RRUS-4449 B5/B12 & (1) NEW RRUS-4415 B25
A/2	± 43'	70°	800-10964K	NNH4-65-R6	NRE	LTE FNET/LTE 2100/5G 2100/LTE 2300	(1) (E) RRUS-4478 B14, (1) (E) RRUS-32 B66A & (1) (E) RRUS-32 B30
A/3	± 43'	70°	800-10767K	AIR6449 N77D	NRE	C-BAND	
B/1	± 43'	345°	NNHH-65A-R4	NNHH-65A-R4	ER	LTE 700G /5G 850/LTE 1900/5G 1900	(1) (E) RRUS-4449 B5/B12 & (1) NEW RRUS-4415 B25
B/2	± 43'	345°	800-10964K	NNH4-65-R6	NRE	LTE FNET/LTE 2100/5G 2100/LTE 2300	(1) (E) RRUS-4478 B14, (1) (E) RRUS-32 B66A & (1) (E) RRUS-32 B30
B/3	± 43'	345°	800-10767K	AIR6449 N77D	NRE	C-BAND	
C/1	± 43'	165°	NNHH-65A-R4	NNHH-65A-R4	ER	LTE 700G /5G 850/LTE 1900/5G 1900	(1) (E) RRUS-4449 B5/B12 & (1) NEW RRUS-4415 B25
C/2	± 43'	165°	800-10964K	NNH4-65-R6	NRE	LTE FNET/LTE 2100/5G 2100/LTE 2300	(1) (E) RRUS-4478 B14, (1) (E) RRUS-32 B66A & (1) (E) RRUS-32 B30
C/3	± 43'	165°	800-10767K	AIR6449 N77D	NRE	C-BAND	

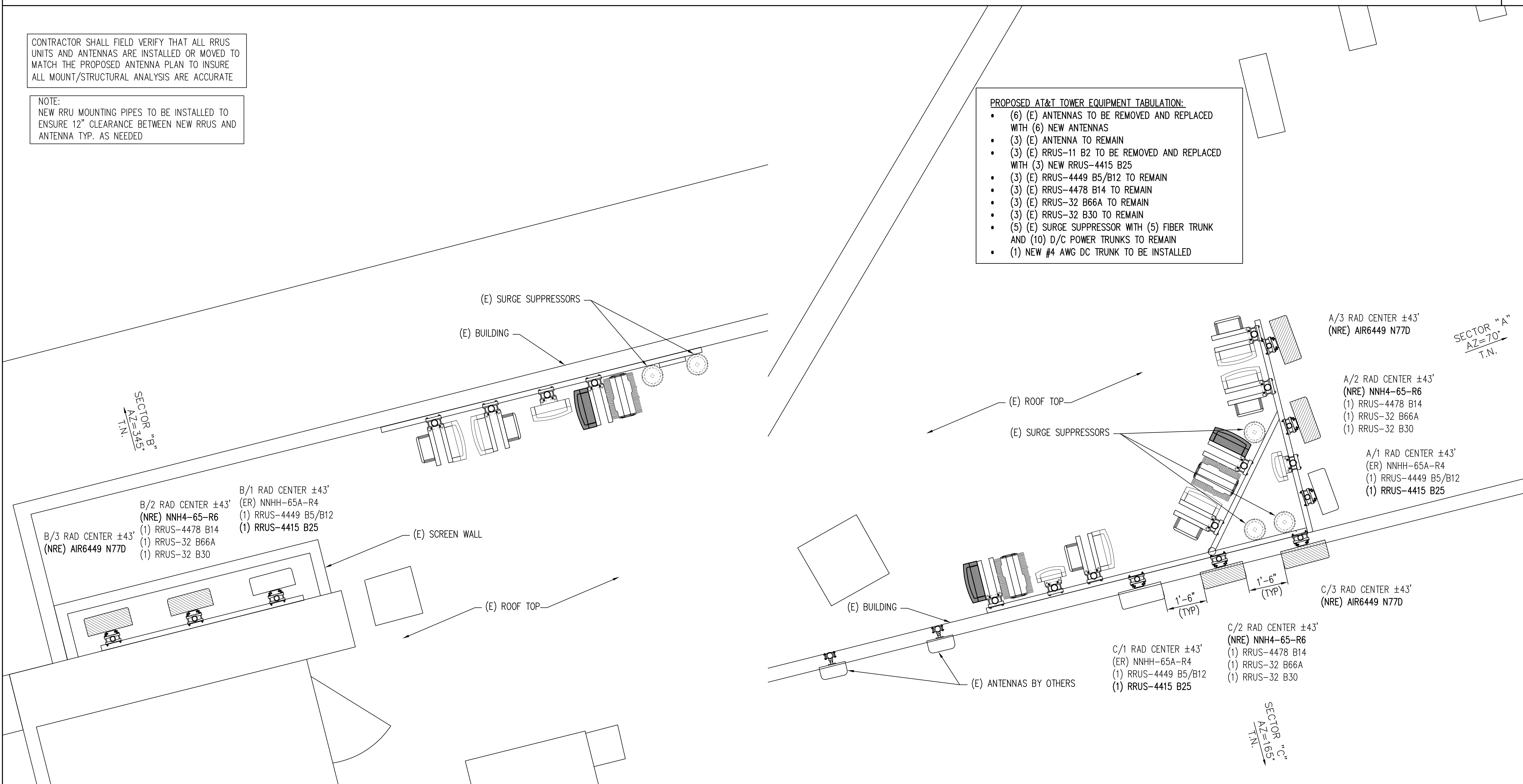
ANTENNA CONFIGURATION CHART

1

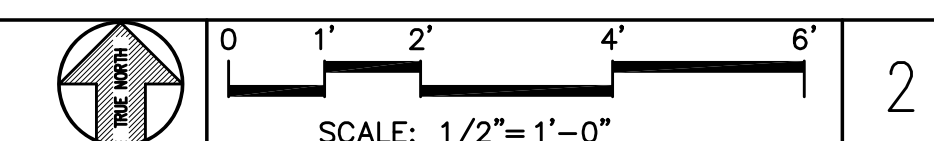
CONTRACTOR SHALL FIELD VERIFY THAT ALL RRUS UNITS AND ANTENNAS ARE INSTALLED OR MOVED TO MATCH THE PROPOSED ANTENNA PLAN TO INSURE ALL MOUNT/STRUCTURAL ANALYSIS ARE ACCURATE

NOTE:
NEW RRU MOUNTING PIPES TO BE INSTALLED TO ENSURE 12" CLEARANCE BETWEEN NEW RRUS AND ANTENNA TYP. AS NEEDED

- PROPOSED AT&T TOWER EQUIPMENT TABULATION:
- (6) (E) ANTENNAS TO BE REMOVED AND REPLACED WITH (6) NEW ANTENNAS
 - (3) (E) ANTENNA TO REMAIN
 - (3) (E) RRUS-11 B2 TO BE REMOVED AND REPLACED WITH (3) NEW RRUS-4415 B25
 - (3) (E) RRUS-4449 B5/B12 TO REMAIN
 - (3) (E) RRUS-4478 B14 TO REMAIN
 - (3) (E) RRUS-32 B66A TO REMAIN
 - (3) (E) RRUS-32 B30 TO REMAIN
 - (5) (E) SURGE SUPPRESSOR WITH (5) FIBER TRUNK AND (10) D/C POWER TRUNKS TO REMAIN
 - (1) NEW #4 AWG DC TRUNK TO BE INSTALLED



(P) ANTENNA PLAN



2

PROPRIETARY INFORMATION

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CLIENT:



1200 DEL PASO ROAD, SUITE 150
SACRAMENTO, CA 95834



PROJECT INFORMATION:

MARIN AVENUE

1035 SAN PABLO AVENUE
ALBANY, CA 94706

REV: DATE: DESCRIPTION: BY:

REV	DATE	DESCRIPTION	BY
1	6-29-21	90% CONSTRUCTION DOC'S	ALP
2	8-27-21	95% CONSTRUCTION DOC'S	ALP

COORDINATING ENGINEER:

Peek Site-Com

12852 Earhart Ave. Suite 101
Auburn, California 95602
Phone (530) 885-6160
E-Mail info@peeksitcom.com

SEAL:



SITE #: CHK.: DRAWN BY:

CCL04554 ... ALP

SHEET TITLE:

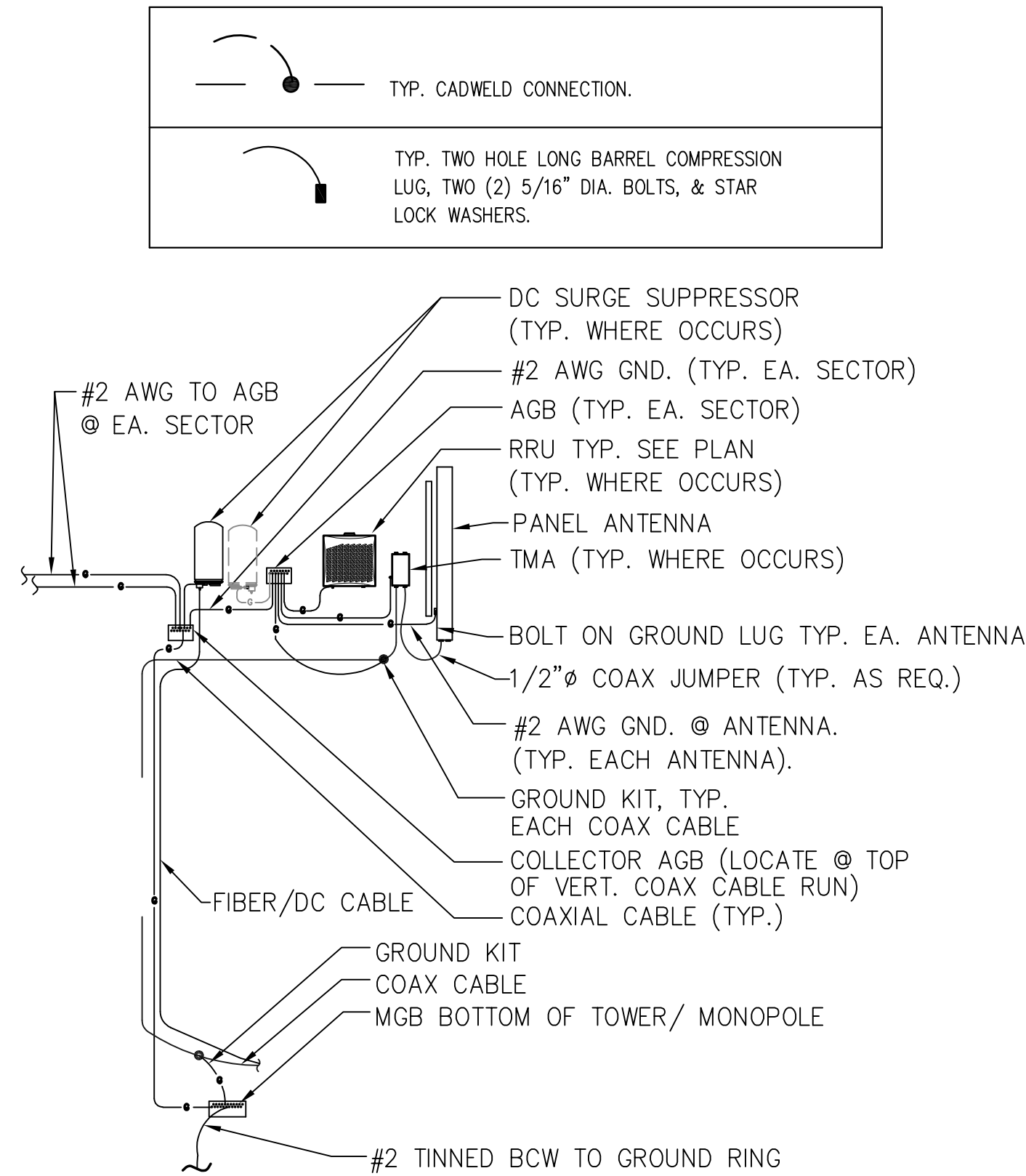
ANTENNA PLAN

SHEET NUMBER:

A-1.3

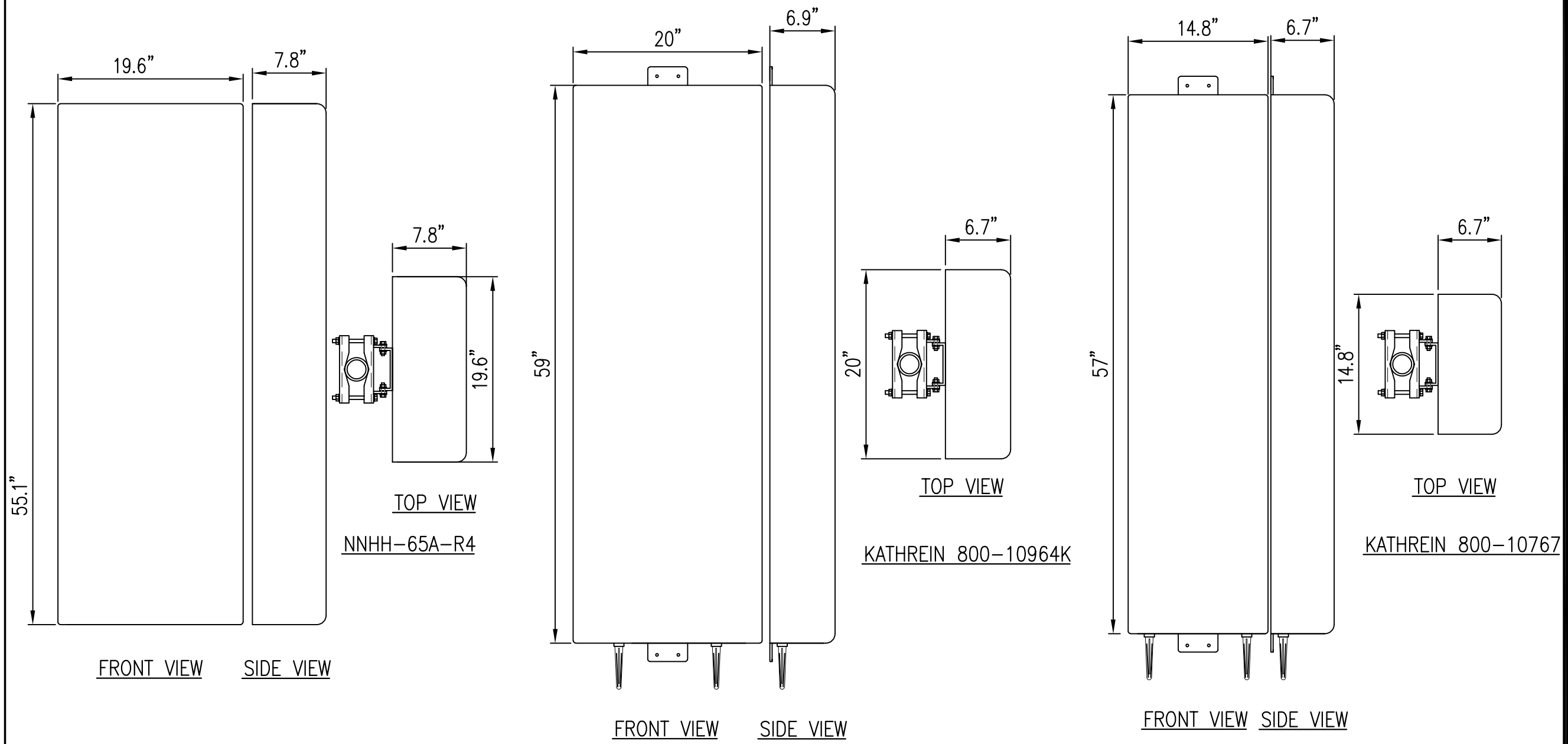
GROUNDING NOTES

- GROUNDING SHALL COMPLY WITH (NEC) 2019
- GROUND COAXIAL CABLE SHIELDS MINIMUM AT BOTH ENDS USING MANUFACTURERS COAX CABLE GROUNDING KITS SUPPLIED BY AT&T
- USE #2 COPPER STRANDED WIRE WITH GREEN COLOR INSULATION FOR ABOVE GRADE GROUNDING (UNLESS OTHERWISE SPECIFIED) AND #2 SOLID TINNED BARE COPPER WIRE FOR BELOW GRADE GROUNDING AS INDICATED ON THE DRAWING.
- ALL GROUND CONNECTIONS TO BE BURNDY HYGROUND COMPRESSION TYPE CONNECTORS OR CADWELD EXOTHERMIC WELD. DO NOT ALLOW BARE COPPER WIRE TO BE IN CONTACT WITH GALVANIZED STEEL.
- ROUTE GROUNDING CONDUCTORS ALONG THE SHORTEST AND STRAIGHTEST PATH POSSIBLE, EXCEPT AS OTHERWISE INDICATED. GROUNDING LEADS SHOULD NEVER BE BENT AT RIGHT ANGLE. ALWAYS MAKE AT LEAST 12" RADIUS BENDS. #6 WIRE CAN BE BENT AT 6" RADIUS WHEN NECESSARY.
- BOND ANY METAL OBJECTS WITHIN 7 FEET OF AT&T EQUIPMENT CABINETS TO MASTER GROUND BAR OR DIRECTLY TO U.G. GROUND RING W/#2 TINNED BCW DOWNLEAD
- CONNECTIONS TO MGB SHALL BE ARRANGED IN THREE MAIN GROUPS: SURGE PRODUCERS (COAXIAL CABLE GROUND KITS, TELCO AND POWER PEDESTAL GROUND OR SURGE PROTECTOR) SURGE ABSORBERS (GROUNDING ELECTRODE RING OR BUILDING STEEL); NON-SURGING OBJECTS (EGB GROUND IN BTS).
- CONNECTIONS TO GROUND BARS SHALL BE MADE WITH TWO HOLE COMPRESSION TYPE COPPER LUGS AND NO-OX OR EQUIVALENT PLACED BETWEEN CONNECTOR AND GROUND BAR.
- THE GROUND ELECTRODE SYSTEM SHALL CONSIST OF DRIVEN GROUND RODS UNIFORMLY SPACED AROUND CELL SITE. THE GROUND ROD SHALL BE 5/8" Ø COPPER CLAD STEEL & BE 10'-0" LONG SPACED @ 10'-0" O.C. OR 8'-0" LONG SPACED 8'-0" O.C. ALONG GROUND RING. THE RODS SHALL BE INTERCONNECTED WITH #2 SOLID TINNED COPPER GROUND WIRE BURIED A MINIMUM 18" BELOW THE SURFACE OF THE SOIL.



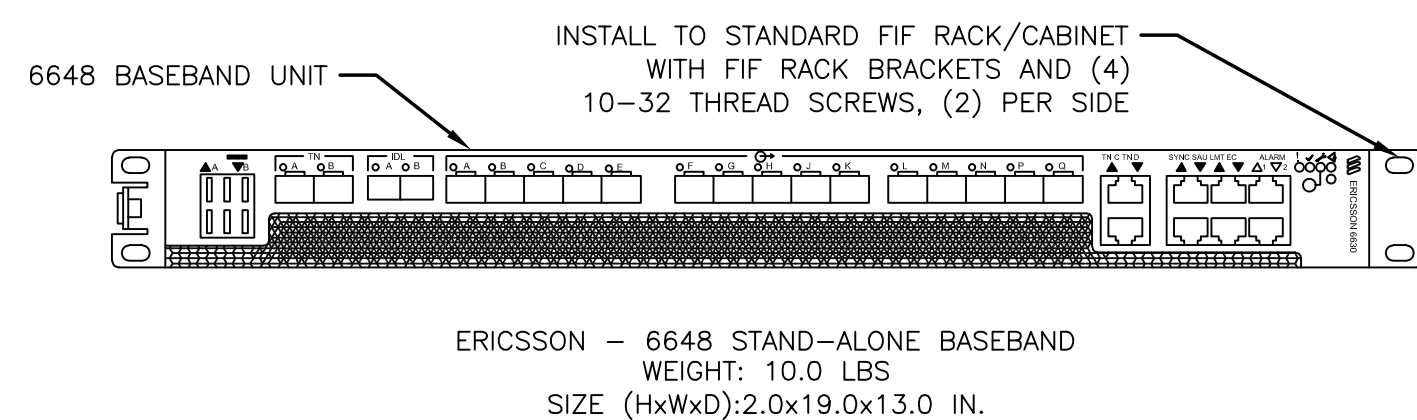
ANTENNA RISER DIAGRAM

SCALE: N.T.S. 3



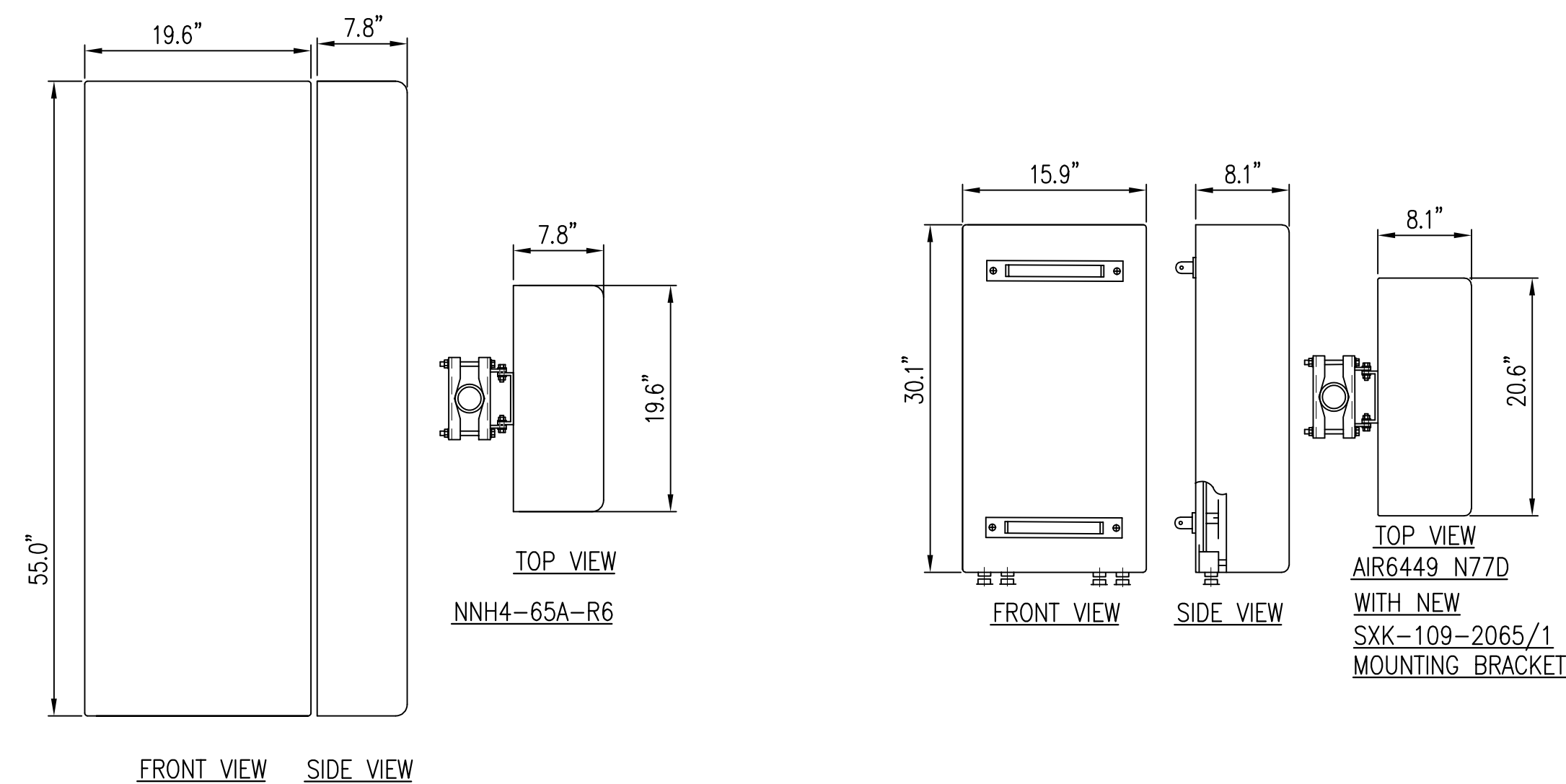
EXISTING ANTENNA DETAILS

SCALE: N.T.S. 1



NEW 6648 DETAILS

SCALE: N.T.S. 4



NEW ANTENNA DETAILS

SCALE: N.T.S. 2

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CLIENT: **QUALTEK WIRELESS**
1200 DEL PASO ROAD, SUITE 150
SACRAMENTO, CA 95854

at&t
5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

PROJECT INFORMATION: **MARIN AVENUE**
1035 SAN PABLO AVENUE
ALBANY, CA 94706

REV.	DATE	DESCRIPTION	BY
1	6-29-21	90% CONSTRUCTION DOC'S	ALP
2	8-27-21	95% CONSTRUCTION DOC'S	ALP

COORDINATING ENGINEER: **Peek Site-Com**
12852 Earhart Ave. Suite 101
Auburn, California 95602
Phone (530) 885-6160
E-Mail info@peeksitcom.com

SEAL:

SITE #: CCL04554 CHK.: ... DRAWN BY: ALP

SHEET TITLE: **ANTENNA DETAILS**

SHEET NUMBER: **A-1.4**

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 SACRAMENTO, CA 95854



5001 EXECUTIVE PARKWAY
 SAN RAMON, CA 94583

PROJECT INFORMATION:

MARIN AVENUE

1035 SAN PABLO AVENUE
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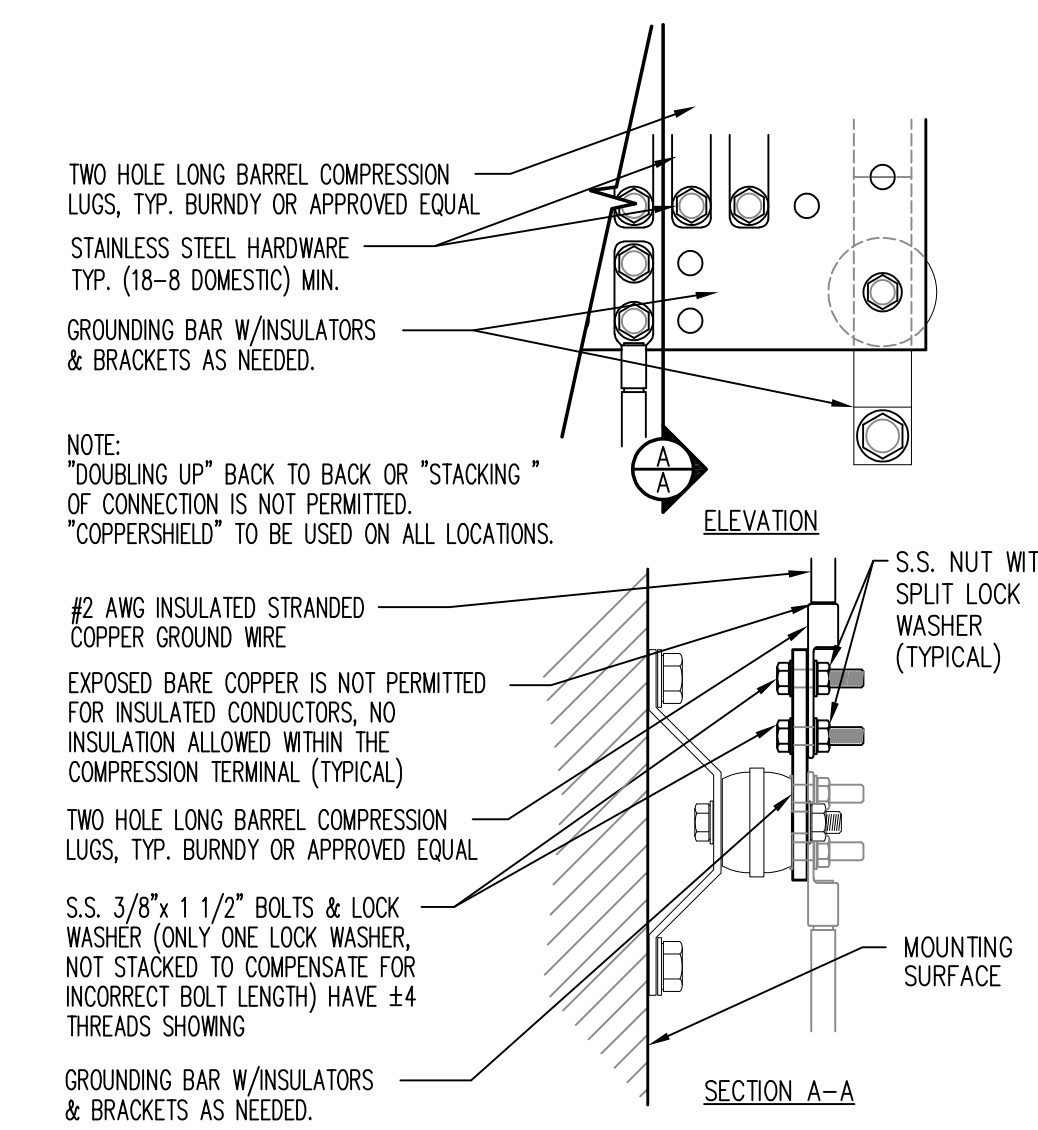
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SHEET TITLE:

DETAILS

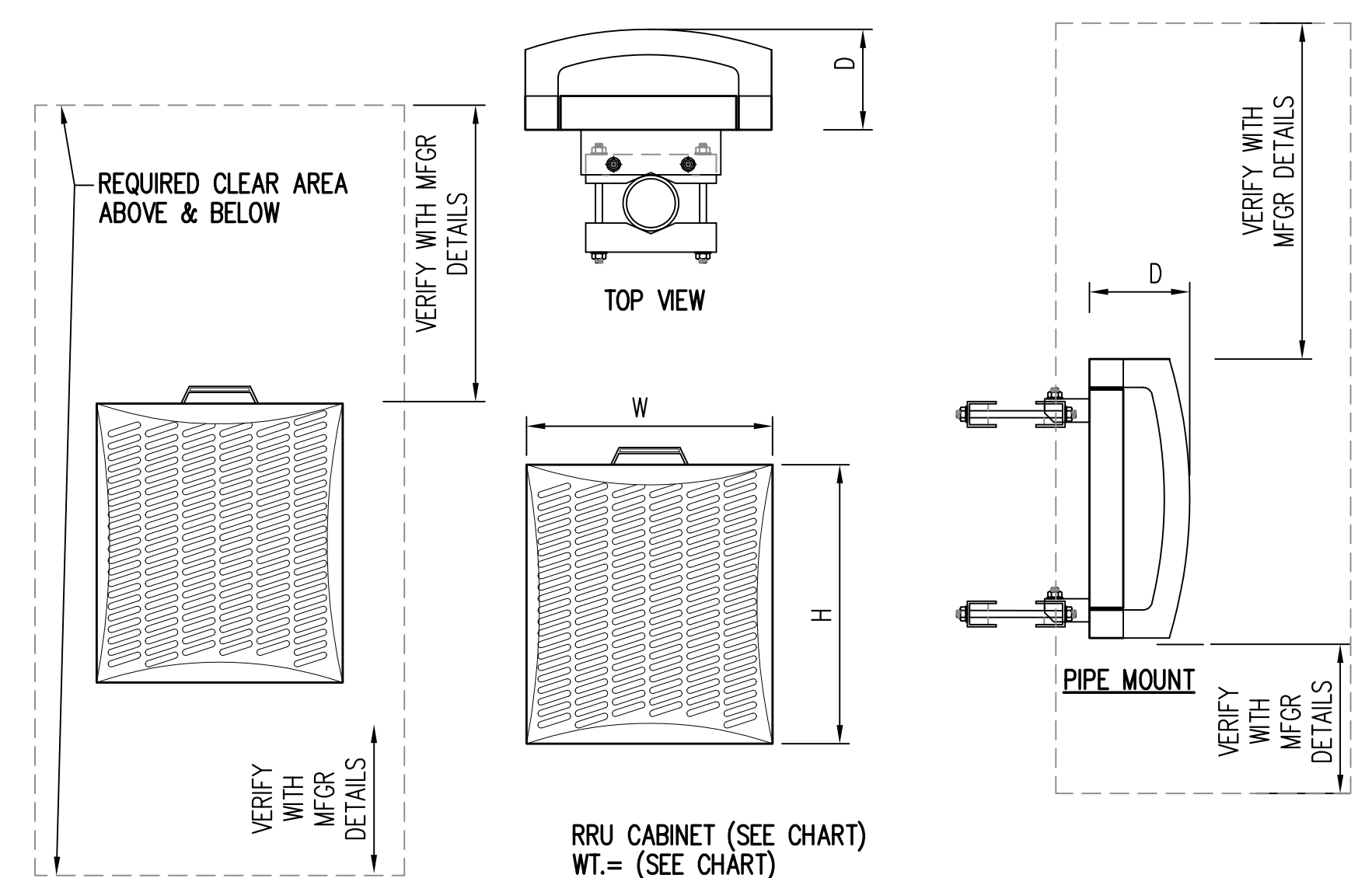
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A-1.5



TYP. GROUND BAR CONNECTIONS DETAIL

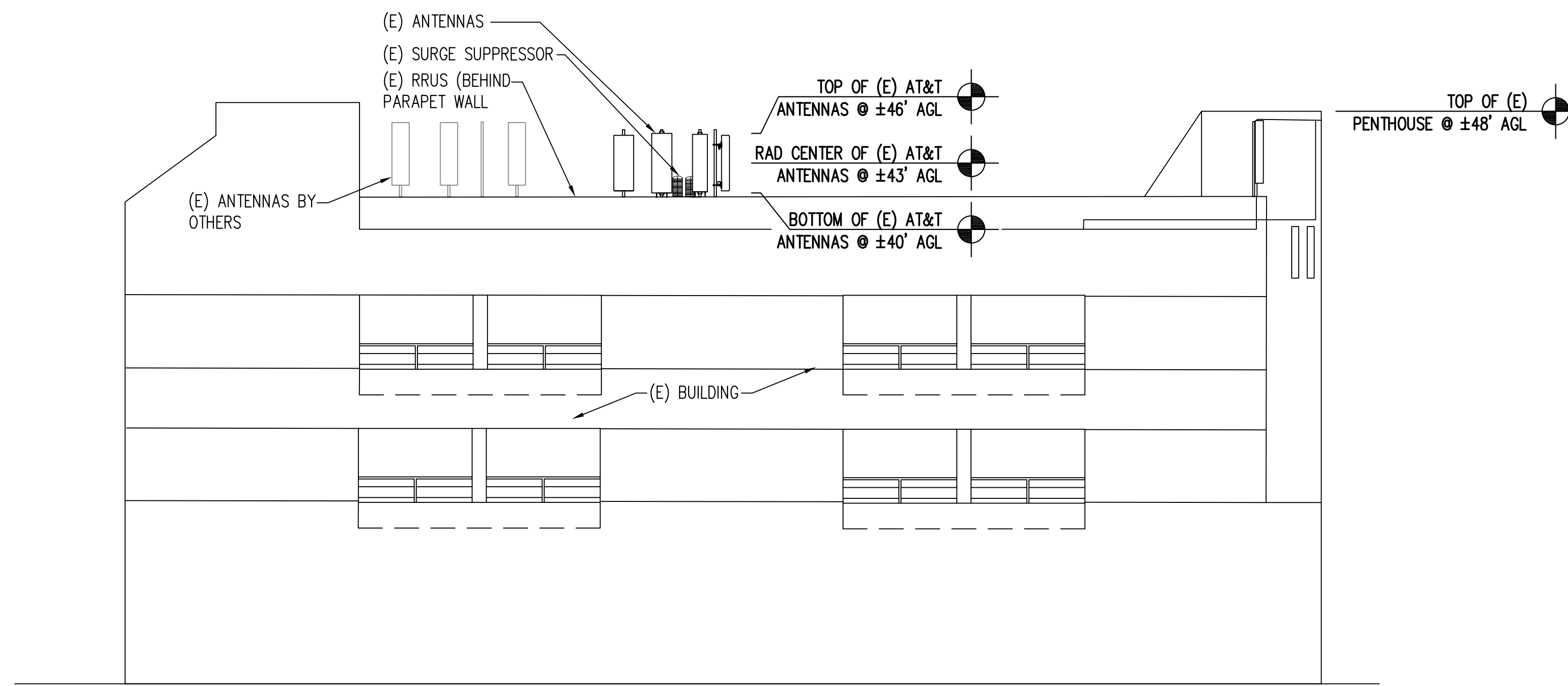
SCALE: N.T.S. 1



TYPE	HEIGHT	WIDTH	DEPTH	WEIGHT
RRUS-4415	14.96"	13.19"	5.39"	44 LBS

RRUS DETAIL

SCALE: N.T.S. 2

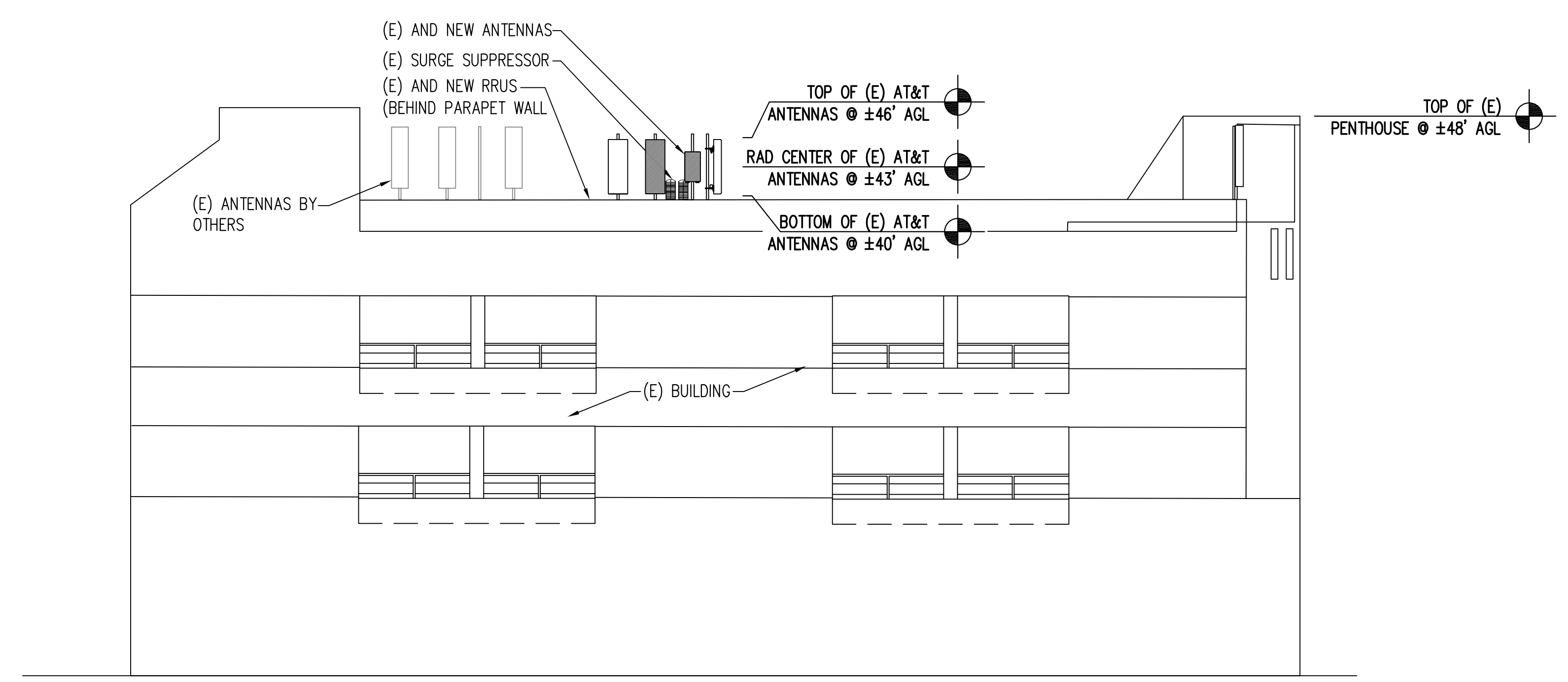
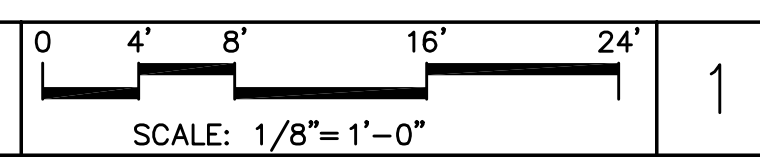


EXISTING ANTENNA CONFIGURATION:
 (9) EXISTING PANEL ANTENNAS
 (15) EXISTING RRU UNITS

FINAL ANTENNA CONFIGURATION:
 (9) PANEL ANTENNAS AND (15) RRU UNITS

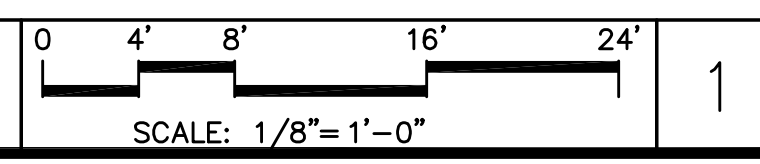
- EXISTING AT&T TOWER EQUIPMENT TABULATION:**
- (9) (E) ANTENNAS
 - (3) (E) RRUS-4449 B5/B12
 - (3) (E) RRUS-11 B2
 - (3) (E) RRUS-4478 B14
 - (3) (E) RRUS-32 B66A
 - (3) (E) RRUS-11 B5
 - (3) (E) RRUS-32 B30
 - (5) (E) SURGE SUPPRESSOR WITH (5) FIBER TRUNK AND (10) D/C POWER TRUNKS

(E) SOUTH ELEVATION



- PROPOSED AT&T TOWER EQUIPMENT TABULATION:**
- (6) (E) ANTENNAS TO BE REMOVED AND REPLACED WITH (6) NEW ANTENNAS
 - (3) (E) ANTENNA TO REMAIN
 - (3) (E) RRUS-11 B2 TO BE REMOVED AND REPLACED WITH (3) NEW RRUS-4415 B25
 - (3) (E) RRUS-4449 B5/B12 TO REMAIN
 - (3) (E) RRUS-4478 B14 TO REMAIN
 - (3) (E) RRUS-32 B66A TO REMAIN
 - (3) (E) RRUS-32 B30 TO REMAIN
 - (5) (E) SURGE SUPPRESSOR WITH (5) FIBER TRUNK AND (10) D/C POWER TRUNKS TO REMAIN
 - (1) NEW #4 AWG DC TRUNK TO BE INSTALLED

(P) SOUTH ELEVATION



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CLIENT:

1200 DEL PASO ROAD, SUITE 150
 SACRAMENTO, CA 95854

5001 EXECUTIVE PARKWAY
 SAN RAMON, CA 94583

PROJECT INFORMATION:

MARIN AVENUE
 1035 SAN PABLO AVENUE
 ALBANY, CA 94706

REV.	DATE	DESCRIPTION	BY
1	6-29-21	90% CONSTRUCTION DOC'S	ALP
2	8-27-21	95% CONSTRUCTION DOC'S	ALP

COORDINATING ENGINEER:

Peek Site-Com
 12852 Earhart Ave. Suite 101
 Auburn, California 95602
 Phone (530) 885-6160
 E-Mail info@peeksitecom.com

SEAL:

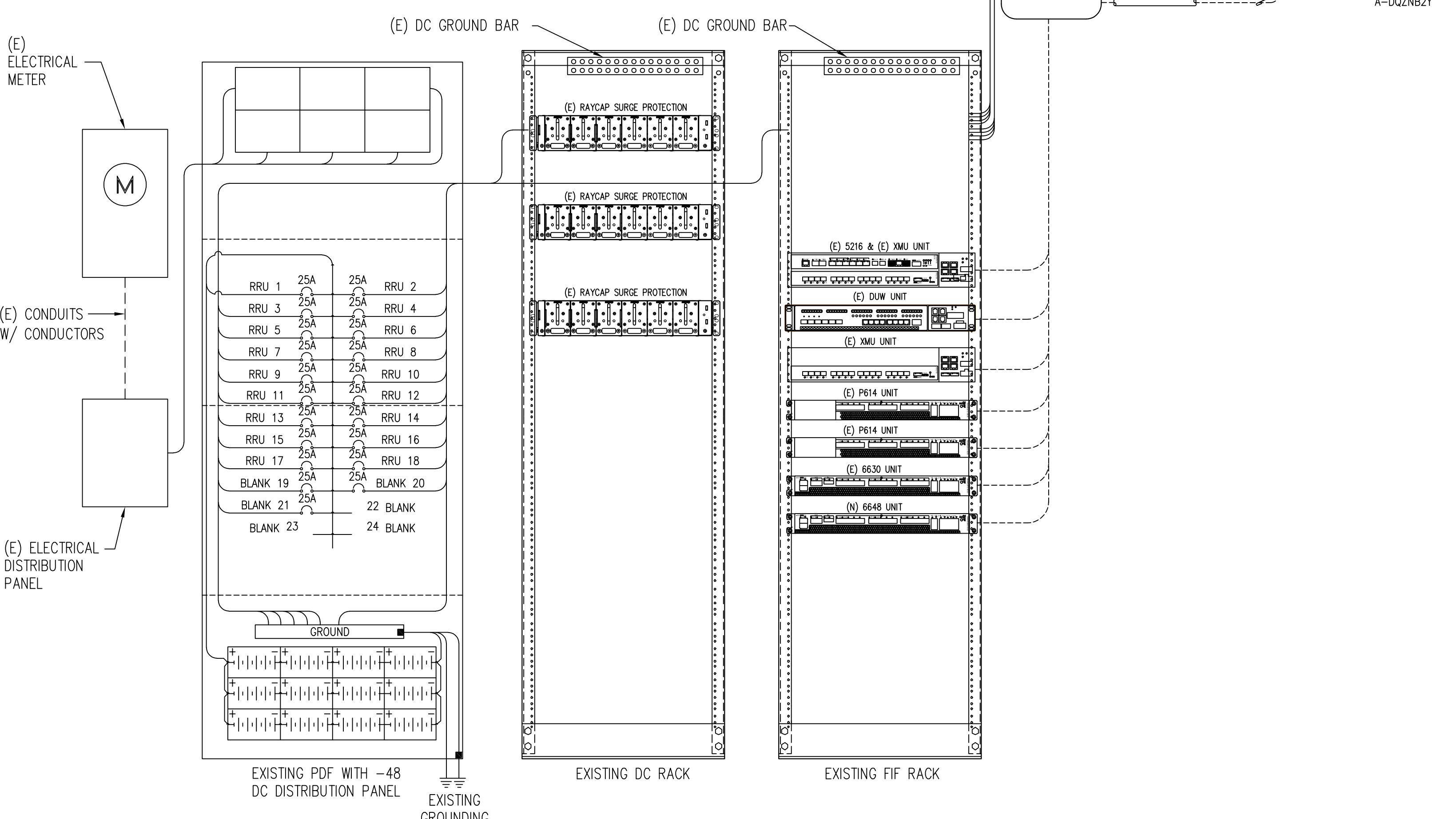
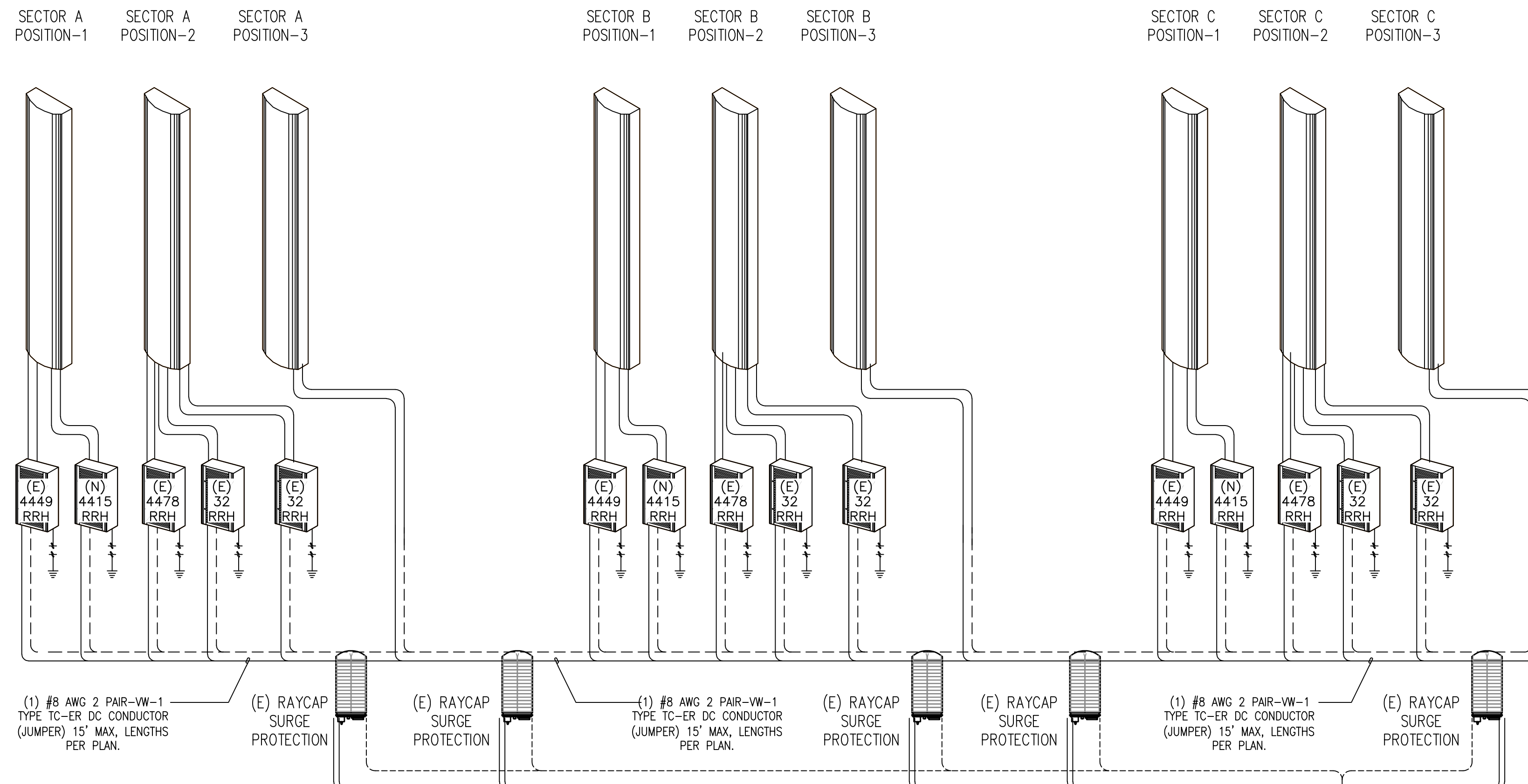
SITE #:	CHK.:	DRAWN BY:
CCL04554	...	ALP

SHEET TITLE:

ELEVATIONS

SHEET NUMBER:

A-2



DC SINGLE LINE DIAGRAM

SCALE: NONE 3

EXISTING DC POWER PLANT: (E) INFINITY NE-M POWER PLANT

EXISTING -48V RECTIFIERS: (8) -48V RECTIFIERS
 PROPOSED NEW -48V RECTIFIERS: (1) -48V RECTIFIER
 TOTAL -48V RECTIFIERS: (9) -48V RECTIFIERS

EXISTING STRINGS OF BATTERIES: (5) STRINGS OF 155 AH BATTERIES
 PROPOSED NEW STRINGS OF BATTERIES: (1) STRING OF 155 AH BATTERIES
 TOTAL STRINGS OF BATTERIES: (6) STRINGS OF 155 AH BATTERIES

EXISTING DC POWER TRUNKS: (10) DC TRUNKS
 PROPOSED NEW DC POWER TRUNKS: (1) #4 AWG DC TRUNK
 TOTAL DC POWER TRUNKS: (11) DC TRUNKS

EXISTING FIBER TRUNKS: (5) FIBER TRUNKS
 PROPOSED NEW FIBER TRUNKS: NA
 TOTAL FIBER TRUNKS: (5) FIBER TRUNKS

EXISTING GROUND DC SURGE PROTECTION DEVICE: (3) DC-12
 PROPOSED NEW GROUND DC SURGE PROTECTION DEVICE: NA
 TOTAL GROUND DC SURGE PROTECTION DEVICE: (3) DC-12

EXISTING ANT. DC SURGE PROTECTION DEVICE: (5) SURGE SUPPRESSORS
 PROPOSED NEW ANT. DC SURGE PROTECTION DEVICE: NA
 TOTAL ANT DC SURGE PROTECTION DEVICE: (5) SURGE SUPPRESSORS

SITE SPECIFIC DC NOTES

SCALE: NONE 1

- NOTES:
- DC POWER WIRING SHALL BE COLOR CODED AT EACH END FOR IDENTIFYING +24V AND -48V CONDUCTORS. RED MARKINGS SHALL IDENTIFY +24V AND BLUE MARKINGS SHALL IDENTIFY -48V. REFER TO ATT-002-290-701
 - LTE POWER WIRING SHALL BE IN ACCORDANCE WITH ATT-002-290-531
 - REFER TO PLANS FOR TABLE OF ESTIMATED CABLE LENGTHS.
 - REFER TO PLANS FOR ANTENNA AND RRH CONFIGURATION.
 - CONTRACTOR SHALL REFER TO MOST CURRENT RFDS PRIOR TO ORDERING MATERIALS OR STARTING CONSTRUCTION.
 - CABLE LENGTHS WERE DETERMINED BASED ON VISUAL INSPECTION ONLY DURING SITEMALK. CONTRACTOR SHALL FIELD VERIFY ACTUAL LENGTHS DURING PRE-CONSTRUCTION WALK.
 - "CARLON FLEX PLUS" ELECTRICAL NON-METALLIC TUBING (ENT), MINIMUM 9 1/2" BENDING RADIUS. U/LE73317.

ENT	MONOPOLE	CABLE TRAY	INSIDE CEILING AND SHAFT	PLENUM
STD HDPE*	X	X	X	
RISER RATED			X	
PLENUM RATED				X

NOTE: DIAGRAM IS DIAGRAMMATIC, REFER TO EQUIPMENT AND ANTENNA LAYOUTS AND RFDS FOR ACTUAL DESIGN

NOMINAL BATTERY TERMINAL VOLTAGE OF 48VDC (NEARING FULL DISCHARGE)	JUMPER CONDUCTOR LENGTH (FEET)	8 AWG (TRUNK CONDUCTOR LENGTH, FEET)															
		150.0	175.0	200.0	225.0	250.0	275.0	300.0	325.0	350.0	375.0	400.0	425.0	450.0	475.0	500.0	
12 AWG JUMPERS	30.0	45.00	44.70	44.40	44.10	43.70	43.40	43.10	42.70	42.40	300.0	41.76	41.43	41.11	40.78	40.46	40.13
	60.0	44.00	43.70	43.40	43.10	42.70	42.40	42.10	41.73	41.40	300.0	40.75	40.43	40.10			
	90.0	43.00	42.70	42.40	42.10	41.73	41.40	41.04	40.72	40.39	300.0						
	120.0	42.00	41.69	41.37	41.04	40.72	40.39	40.04									
	150.0	41.01	40.69	40.36	40.04												

NOMINAL BATTERY TERMINAL VOLTAGE OF 48VDC (NEARING FULL DISCHARGE)	JUMPER CONDUCTOR LENGTH (FEET)	8 AWG (TRUNK CONDUCTOR LENGTH, FEET)														
		150.0	175.0	200.0	225.0	250.0	275.0	300.0	325.0	350.0	375.0	400.0	425.0	450.0	475.0	500.0
10 AWG JUMPERS	30.0	45.40	45.10	44.80	44.50	44.10	43.80	43.50	43.20	42.80	42.50	42.20	41.85	41.52	41.20	40.88
	60.0	44.80	44.50	44.20	43.80	43.50	43.20	42.90	42.50	42.20	41.88	41.58	41.23	40.90	40.58	40.25
	90.0	44.20	43.90	43.50	43.20	42.90	42.60	42.20	41.90	41.58	41.25	40.93	40.60	40.23		
	120.0	43.60	43.20	42.90	42.60	42.30	41.93	41.61	41.28	40.96	40.63	40.31				
	150.0	42.90	42.60	42.30	42.00	41.63	41.31	40.98	40.66	40.33	40.01					

NOMINAL BATTERY TERMINAL VOLTAGE OF 48VDC (NEARING FULL DISCHARGE)	JUMPER CONDUCTOR LENGTH (FEET)	8 AWG (TRUNK CONDUCTOR LENGTH, FEET)														
		150.0	175.0	200.0	225.0	250.0	275.0	300.0	325.0	350.0	375.0	400.0	425.0	450.0	475.0	500.0
8 AWG JUMPERS	30.0	45.7	45.30	45.00	44.70	44.40	44.00	43.70	43.40	43.10	42.70	42.40	42.10	41.76	41.44	41.11
	60.0	45.30	44.90	44.60	44.30	44.00	43.60	43.30	43.00	42.70	42.30	42.00	41.70	41.37	41.05	40.72
	90.0	44.90	44.60	44.20	43.90	43.60	43.30	42.90	42.60	42.30	42.00	41.63	41.31	40.98	40.66	40.33
	120.0	44.50	44.20	43.80	43.50	43.20	42.90	42.50	42.20	41.89	41.57	41.24	40.92	40.59	40.27	
	150.0	44.10	43.80	43.50	43.10	42.80	42.50	42.20	41.83	41.50	41.18	40.85	40.53	40.20		

- AT&T LTE POWER CABLE VOLTAGE DROP TABLE NOTES:
- LOAD CURRENT ASSUMED 10A AT BATTERY TERMINAL REPRESENTING HIGHEST POSSIBLE VALUE.
 - 48VDC MINIMUM VOLTAGE REQUIRED AT THE RRU POWER TERMINALS.
 - ANY TABLE VALUE LESS THAN 48VDC INDICATES YOU MUST STEP UP TO THE NEXT LARGER GAUGE JUMPER/TRUNK CABLE COMBINATION.
 - TRUNK CONDUCTOR=DC CONDUCTOR B/T RAYCAP DC6-48-60-RM AND RAYCAP DC6-48-60-18-8F (THE SQUID).
 - JUMPER CONDUCTOR=DC CONDUCTOR B/T THE DC6 SURGE SUPPRESSOR AND RRU.

SCALE: NONE 2

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COORDINATING ENGINEER:

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 12852 Earhart Ave. Suite 101
 Auburn, California 95602
 Phone (530) 885-6160
 E-Mail info@peeksitcom.com

SEAL:

SITE #: _____ CHK.: _____ DRAWN BY: _____
 CCL04554 ... ALP

SHEET TITLE: DC POWER DESIGN

SHEET NUMBER: DC-1