

DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT

1010 10TH Street, Suite 3400, Modesto, CA 95354 Planning Phone: (209) 525-6330 Fax: (209) 525-5911 Building Phone: (209) 525-6557 Fax: (209) 525-7759

Referral Early Consultation

Date: October 31, 2022

To: Distribution List (See Attachment A)

From: Jeremy Ballard, Associate Planner

Planning and Community Development

Subject: STAFF APPROVAL APPLICATION NO. PLN2022-0099 – AT&T MOBILITY –

1229 OHIO AVE

Respond By: November 15, 2022

****PLEASE REVIEW REFERRAL PROCESS POLICY****

The Stanislaus County Department of Planning and Community Development is soliciting comments from responsible agencies under the Early Consultation process to determine: a) whether or not the project is subject to CEQA and b) if specific conditions should be placed upon project approval.

Therefore, please contact this office by the response date if you have any comments pertaining to the proposal. Comments made identifying potential impacts should be as specific as possible and should be based on supporting data (e.g., traffic counts, expected pollutant levels, etc.). Your comments should emphasize potential impacts in areas which your agency has expertise and/or jurisdictional responsibilities.

These comments will assist our Department in preparing the conditions for a Staff Approval. Therefore, please list any conditions that you wish to have included as well as any other comments you may have. Please return all comments and/or conditions as soon as possible or no later than the response date referenced above.

Thank you for your cooperation. Please call (209) 525-6330 if you have any questions.

Applicant: AT&T Mobility c/o Epic Wireless Group, LLC

Project Location: 1229 Ohio Ave, between Houser Lane and Chicago Avenue, in the Modesto

area.

APN: 007-049-027

Williamson Act

Contract: N/A

General Plan: Urban Transition

Current Zoning: General Agriculture (A-2-10)

Project Description: Request to establish a wireless communications facility on a 9.70± acre parcel in the General Agriculture (A-2-10) zoning district. This proposal includes the installation of a 110-foot-tall monopole near the northwestern property line, which will include: a 4-foot-tall lightning rod at the top of the monopole, 15 antennas, and 18 RRUS. Proposed ground equipment includes three outdoor equipment cabinets and a 30kw diesel generator with 190-gallon fuel tank. The project lease area will be 900± square feet in size and enclosed by a 6-foot-tall chain-link fence with privacy slats. A 15-foot-wide non-exclusive access and utility easement is proposed, which will provide access to Ohio Avenue. The facility will be generally unstaffed, however, up to two technicians are anticipated to access the site one day a month for routine maintenance. The proposed facility would meet the County's siting standards of Chapter 21.91 – Communication Facilities of the County Code. The site is currently improved with a single-family dwelling, accessory agricultural structures, and is planted in orchards. The project site is within the LAFCO adopted Sphere of Influence for the City of Modesto.

Full document with attachments available for viewing at: http://www.stancounty.com/planning/pl/act-projects.shtm



DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT

1010 10TH Street, Suite 3400, Modesto, CA 95354 Planning Phone: (209) 525-6330 Fax: (209) 525-5911 Building Phone: (209) 525-6557 Fax: (209) 525-7759

STAFF APPROVAL APPLICATION NO. PLN2022-0099 - AT&T MOBILITY - 1229 OHIO AVE Attachment A

Distribution List

Х	CROP DUSTERS	Χ	MOSQUITO ABATEMENT DISTRICT: EASTSIDE
Х	FIRE PROTECTION DIST: WOODLAND AVENUE	Х	STAN CO BUILDING PERMITS DIVISION
Χ	IRRIGATION DIST: MID	Χ	STAN CO HAZARDOUS MATERIALS
Х	STAN CO PUBLIC WORKS	Χ	CITY OF MODESTO
Х	SURROUNDING LAND OWNERS	Χ	STANISLAUS FIRE PREVENTION BUREAU
Х	PACIFIC GAS & ELECTRIC	Χ	STAN CO ERC
Χ	STANISLAUS LAFCO		

STANISLAUS COUNTY CEQA REFERRAL RESPONSE FORM

TO:

TO:	Stanislaus Coun 1010 10 th Street, Modesto, CA 95		elopment
FROM:			
SUBJECT:	STAFF APPROV 1229 OHIO AVE	AL APPLICATION NO. PLN20	22-0099 – AT&T MOBILITY –
Based on thi project:	is agency's particul	lar field(s) of expertise, it is ou	r position the above-described
		gnificant effect on the environme ficant effect on the environment.	ent.
		s which support our determination tc.) – (attach additional sheet if r	
Listed below TO INCLUD	E WHEN THE MIT	tion measures for the above-liste TIGATION OR CONDITION NE P, PRIOR TO ISSUANCE OF A	EEDS TO BE IMPLEMENTED
	ur agency has the fo	ollowing comments (attach additi	ional sheets if necessary).
Response pro	epared by:		
Name	;	Title	Date

AT&T MOBILITY 229 OHIO AVE SAA PLN2022-0099

AREA MAP

LEGEND

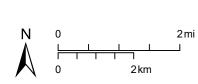
Project Site

Sphere of Influence

City

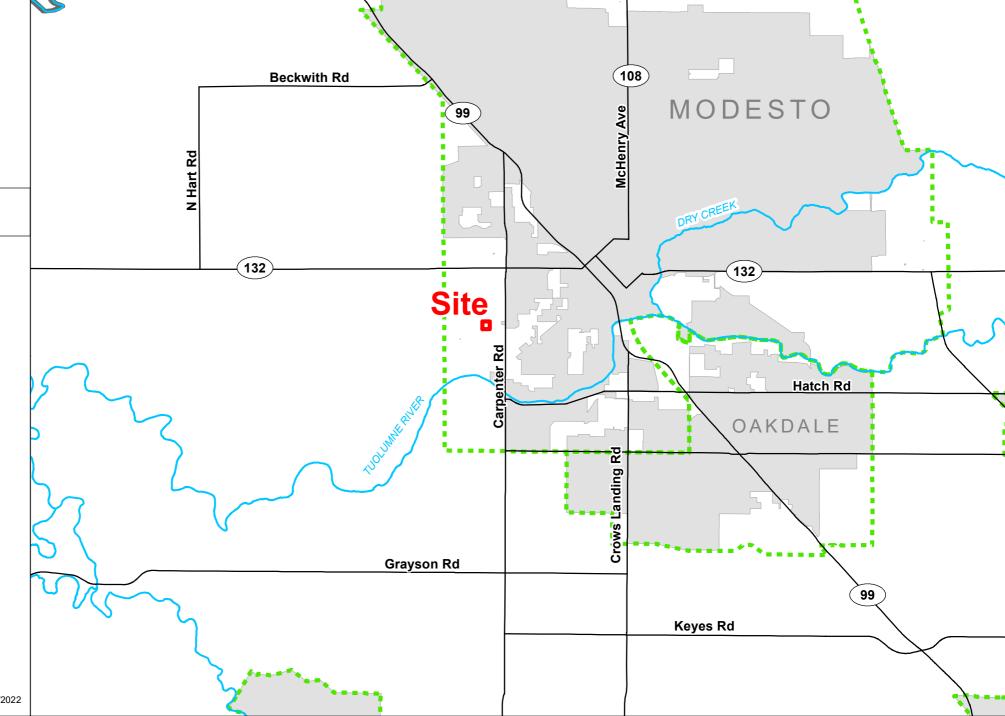
— Road

---- River



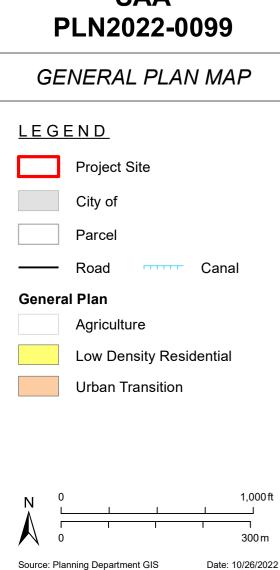
Source: Planning Department GIS

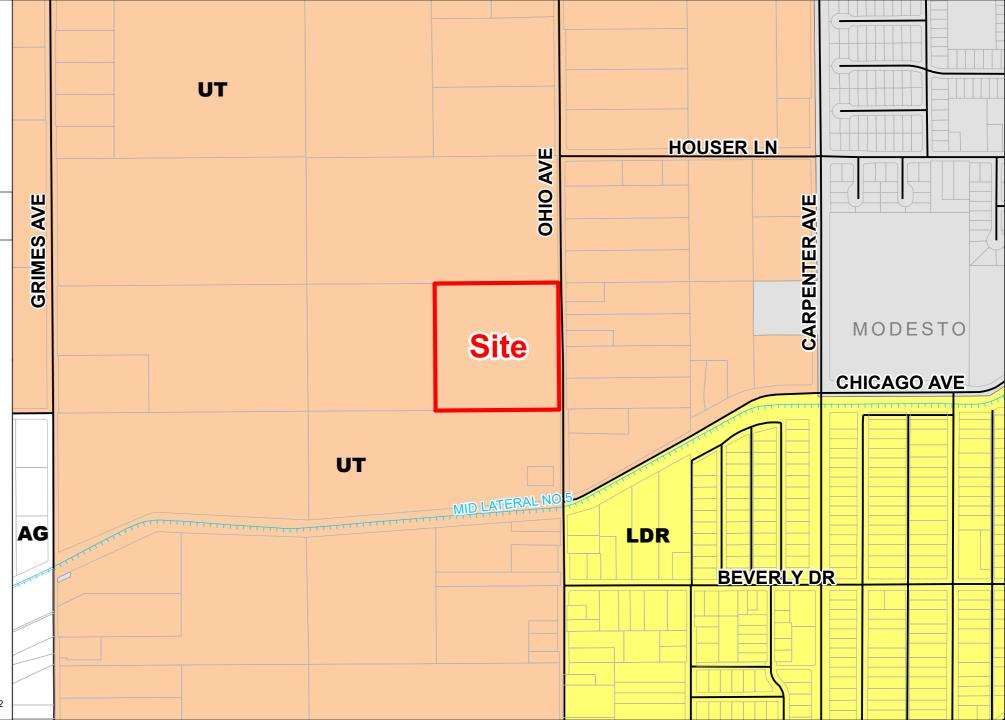
Date: 10/26/2022



AT&T MOBILITY **229 OHIO AVE**

SAA



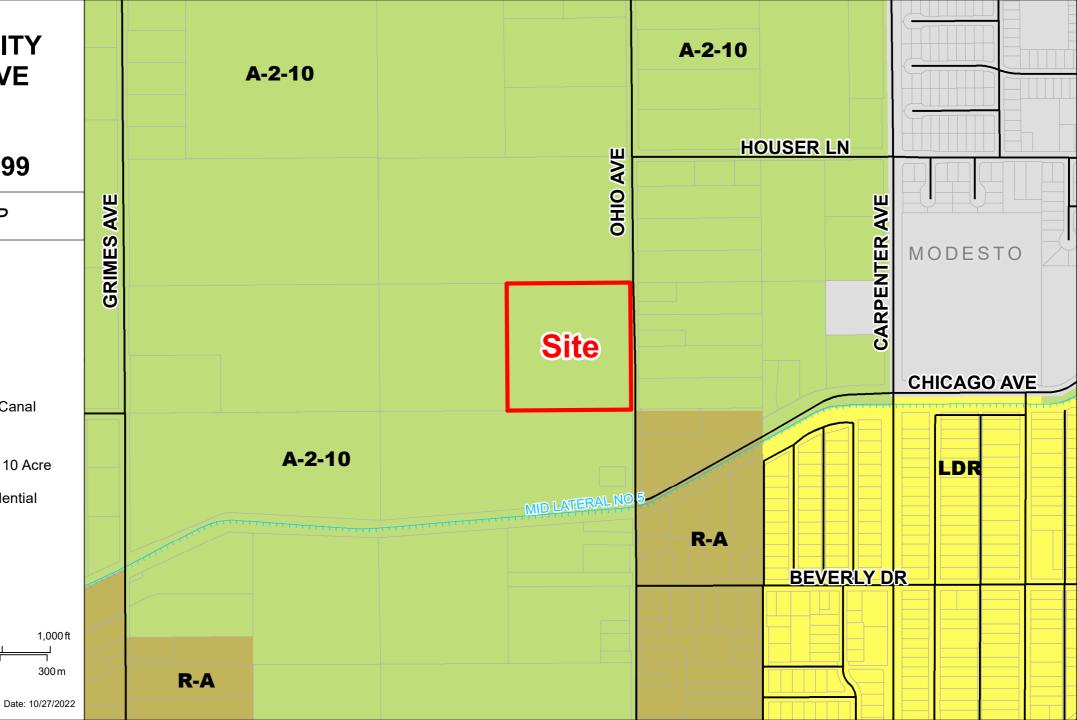


AT&T MOBILITY 229 OHIO AVE

SAA PLN2022-0099



Source: Planning Department GIS



AT&T MOBILITY **229 OHIO AVE**

SAA PLN2022-0099

2022 AERIAL AREA MAP

LEGEND

Project Site

Road

Canal



1,000 ft 300 m

Source: Planning Department GIS

Date: 10/26/2022

AT&T MOBILITY 229 OHIO AVE

SAA PLN2022-0099

2022 AERIAL SITE MAP

<u>LEGEND</u>

Project Site

—— Road



N 0 1001

Source: Planning Department GIS

Date: 10/26/2022





ACCESSIBILITY REQUIREMENTS

FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION, ACCESSIBILITY

ACCESS AND REQUIREMENTS RE NOT REQUIRED. IN ACCORDANCE WITH

CALIFORNIA STATE ADMINISTRATIVE CODE, PART 2, TITLE 24, SECTION

1103B.1, EXCEPTION1 & SECTION 1134B.2.1, EXCEPTION 4.

FA# 15541193 USID# 321109

5. SITE COORDINATES

8. SITE COEFFICIENTS:

9. SEISMIC DESIGN CRITERIA:

6. SPECTRAL RESPONSE ACCELERATIONS:

7. SPECTRAL RESPONSE COEFFICIENTS:

N 38.5956389 W-122.5474917 NAD 83

Ss = 1.647g S1 = 0.544g

Fa = 1.000 Fy = 1.500

SDs = 1.098g SD1 = 0.544g

ZONING:

PG&E:

CONSTRUCTION:

POWER / TELCO:

SITE NUMBER: CVL01727 SITE NAME: CHICAGO & OHIO

> 1229 OHIO AVENUE MODESTO, CA 95358

JURISDICTION: STANISLAUS COUNTY

DO NOT SCALE DRAWINGS

OR MATERIAL ORDERS, OR BE RESPONSIBLE FOR THE SAME.

THESE DRAWINGS ARE FORMATTED TO BE FULL SIZE AT 24" x 36". CONTRACTOR SHALL VERIFY ALL

PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOBSITE. AND SHALL IMMEDIATELY NOTIFY

THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK

APN: 007-049-027-000

SITE TYPE: MONOPOLE TOWER / OUTDOOR CABINETS

PROJECT DESCRIPTION PROJECT INFORMATION **PROJECT TEAM REV** SHEET INDEX NEW SITE BUILD UNMANNED TELECOMMUNICATIONS FACILITY. PROPERTY INFORMATION PROPERTY OWNER: APPLICANT / LESSEE: ARCHITECT / ENGINEER: 1. T-1 TITLE SHEET (P) AT&T MOBILITY LEASE AREA 30'-0" x 30'-0" (TOTAL 900 S.F. AT&T LEASE **GEGORY & JANISE LEMOS** N.S.S.E. GN-1 GENERAL NOTES, ABBREVIATIONS, & LEGEND SITE NAME: CHICAGO & OHIO 1229 OHIO AVE. 5001 EXECUTIVE PARKWAY 5022 SUNRISE BOULEVARD (P) (1) "NEW" AT&T MOBILITY 110'-0" TALL MONOPOLE TOWER MODESTO, CA 95358 SAN RAMON, CA 94583 FAIR OAKS, CA 95628 SITE NUMBER: CVL01727 SITE SIGNAGE 3. GN-2 PH: (916) 996-4582 CONTACT: BRIAN K. WINSLOW (15) AT&T MOBILITY PANEL ANTENNAS EMAIL: greg.lemos@sbcglobal.net EMAIL: brian@nsse.com **CONSTRUCTION MANAGER:** (P) (18) AT&T MOBILITY RRU'S REMOTE RADIO UNITS SITE ADDRESS: 1229 OHIO AVENUE GN-3 **BATTERY SPECIFICATIONS** PH: (916) 536-9585 MODESTO, CA 95358 POWER AGENCY: **EPIC WIRELSS** (P) (3) OUTDOOR EQUIPMENT CABINETS C-1 PLOT PLAN AND SITE TOPOGRAPHY 605 COOLIDGE DRIVE SITE AQUISITION: A.P.N.: 007-049-027-000 MODESTO IRRIGATION DISTRICT (P) (1) 30kW DIESEL GENERATOR WITH 190 GALLON UL142 RATED FUEL TANK **FOLSOM. CA 95630 OVERALL SITE PLAN EPIC WIRELESS CONTACT: ANDREW MEDINA** (P) (9) DC POWER TUNKS AND (3) FIBER TRUNKS MODESTO, CA 95354 **CONTACT: CARL JONES** CURRENT ZONING: A-2-10 Gen. Agg. EMAIL: andrew.medina@epicwireless.net PH: (209) 526-7337 EMAIL: carl.jones@epicwireless.net **ENLARGED SITE PLAN** (P) (1) GPS ANTENNA PH: (530) 574-4773 PH: (916) 798-2275 JURISDICTION: STANISLAUS COUNTY (P) (1) 200A METER, (1) INTERSECT INTEGRATED LOAD CENTER w/ BIPASS AREA EQUIPMENT PLAN RF ENGINEER: FACILITY & INTEGRATED CAMLOCK, (1) UAM / HOFFMAN BOX **TELEPHONE AGENCY: ZONING MANAGER** ANTENNA PLAN, SCHEDULE, & DETAILS N37° 37' 32.85" NAD 83 12. (P) (1) DC50 BOX **EPIC WIRELESS** 5001 EXECUTIVE PKWY 525 MARKET STREET, SPEAR TOWER (N 37.625792) **CONTACT: CARL JONES** SAN RAMON, CA 94583 RRH DETAILS SAN FRANCISCO, CA 94105 10. A-3.1 **CONTACT: JAKE BALUYUT** EMAIL: carl.jones@epicwireless.net EMAIL: jb7714@att.com PH: (916) 798-2275 (W 121.037325) TOWER ARM DETAILS 11. A-3.2 GROUND ELEVATION: 75 FT. AMSL 12. A-4.1 PROPOSED ELEVATIONS **CIVIL VENDOR:** SURVEYOR: QUALTEK **GEIL ENGINEERING** 13. A-4.2 PROPOSED ELEVATIONS 1200 DEL PASO ROAD CODE COMPLIANCE 1226 HIGH STREET SACRAMENTO, CA 95834 AUBURN, CA 95603 14. A-5 CONSTRUCTION DETAILS - EQUIPMENT CONTACT: MATHEW STEWART CONTACT: KENNETH GEIL ALL WORK AND MATERIALS SHALL BE PERFORMED AND **VICINITY MAP** EMAIL: mstewart@gualtekwireless.com PH: (530) 885-0426 15. A-5.1 CONSTRUCTION DETAILS - EQUIPMENT INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF PH: (702) 622-9458 THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING 16. E-1 **GENERAL ELECTRICAL NOTES** AUTHORITIES. NOTHING IN THESE PLANS ARE TO BE CONSTRUED 17. E-2 POWER SINGLE LINE DIAGRAM TO PERMIT WORK NOT CONFORMING TO THESE CODES 2019 CALIFORNIA ADMINISTRATIVE CODE, CHAPTER 10, PART 1, PROJECT LOCATION TITLE 24 CODE OF REGULATIONS . 2019 CALIFORNIA BUILDING CODE (CBC) WITH CALIFORNIA AMENDMENTS, BASED ON THE 2018 IBC (PART 2, VOL. 1-2) **DIRECTIONS** 2019 CALIFORNIA RESIDENTIAL CODE (CRC) WITH APPENDIX H, PATIO COVERS, BASED ON THE 2018 IBC (PART 2.5) DIRECTIONS FROM AT&T'S OFFICE AT 5001 EXECUTIVE PARKWAY, SAN RAMON, CA . 2019 CALIFORNIA GREEN BUILDINGS STANDARDS CODE HEAD SOUTH ON BOLLINGER CANYON RD. (CALGREEN) (PART 11) (AFFECTED ENERGY PROVISIONS ONLY) 2. TURN RIGHT ONTO BOLLINGER CANYON DRIVE 5. 2019 CALIFORNIA FIRE CODE (CFC), BASED ON THE 2018 IFC, MERGE ONTO I-680 SOUTH WITH CALIFORNIA AMENDMENTS (PART 9) 4. TAKE EXIT 30A ONTO I-580E TOWARD STOCKTON 5. TAKE I-580E EXIT TOWARD I-5S/ FRESNO/LOS ANGELES 6. 2019 CALIFORNIA MECHANICAL CODE (CMC), BASED ON THE 2018 UMC (PART 4) CONTINUE ONTO I-580E 8. TAKE EXIT 76 FOR CA-132 TOWARD I-5N/MODESTO. '. 2019 CALIFORNIA PLUMBING CODE (CPC), BASED ON THE 2018 9. CONTINUE ONTO CA-132 E. UPC (PART 5) 10. TURN RIGHT ON GRIMES AVE. 8. 2019 CALIFORNIA ELECTRICAL CODE (CEC) WITH CALIFORNIA 11. TURN LEFT ONTO CALIFORNIA AVE SPECIAL INSPECTIONS AMENDMENTS, NASED ON THE 2017 NEC (PART 3) 12. TURN RIGHT ONTO OHIO AVE 9. 2019 CALIFORNIA ENERGY CODE (CEC) SPECIAL INSPECTIONS PER 2019 C.B.C. SECTION 1704 ARE REQUIRED FOR THE FOLLOWING: **DESTINATION WILL BE ON RIGHT** 10. ANSI / EIA-TIA-222-H 1. ANCHOR BOLTS WET-SET INTO CONCRETE 2. EXPANSION BOLTS INTO EXISTING CONCRETE 11. 2018 NFPA 101, LIFE SAFETY CODE 3. HIGH STRENGTH BOLTING WELDING 12. 2018 NFPA 72, NATIONAL FIRE ALARM CODE **APPROVALS** 5. STEEL REINFORCING / REBAR PLACEMENT 13. 2018 NFPA 13, FIRE SPRINKLER CODE 6. STEEL MATERIAL VERIFICATION 7. SOILS ENGINEER TO INSPECT DRILLED PIERS APPROVED BY: INITIALS: DATE: OCCUPANCY AND CONSTRUCTION TYPE STRUCTURAL DESIGN CRITERIA: AT&T: 1. SOIL CLASSIFICATION: **VENDOR: GENERAL CONTRACTOR NOTES** DIGALERT OCCUPANCY: S-2 (UNMANNED TELECOMMUNICATIONS FACILITY), U (TOWER) 1,000 PSF 2. SOIL BEARING CAPACITY: RF ENGINEER: 2,500 PSI 3. MINIMUM CONCRETE STRENGTH CONSTRUCTION TYPE: V-B LEASING / LANDLORD: 4. SEISMIC IMPORTANCE FACTOR

CVL01727

CHICAGO & OHIO

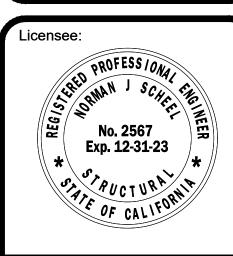
1229 OHIO AVENUE MODESTO, CA 95358 FA# 15541193 USID# 321109





AT&T SITE NO: CVL01727 PROJECT NO: 22-018 CHECKED BY: BW

B 8/17/2022 100% ZD SUB. A 7/13/2022 90% ZD SUB. DATE DESCRIPTION



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED OFESSIONAL ENGINEER, TO ALTER TH DOCUMENT.

Designer / Engineer:

Otructural

ngineer

5022 Sunrise Blvd. Fair Oaks, California 95628

Sheet Title:

TITLE SHEET

Sheet Number:

800-227-2600

GENERAL CONSTRUCTION NOTES:

- PLANS ARE INTENDED TO BE DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT. APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
- 2. THE CONTRACTOR SHALL OBTAIN, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
- 3. CONTRACTOR SHALL CONTACT USA (UNDERGROUND SERVICE ALERT) AT (800) 227-2600, FOR UTILITY LOCATIONS, 48 HOURS BEFORE PROCEEDING WITH ANY EXCAVATION, SITE WORK OR CONSTRUCTION.
- 4. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE. OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
- 5. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CBC / UBC'S REQUIREMENTS REGARDING EARTHQUAKE RESISTANCE, FOR, BUT NOT LIMITED TO, PIPING, LIGHT FIXTURES, CEILING GRID, INTERIOR PARTITIONS, AND MECHANICAL EQUIPMENT. ALL WORK MUST COMPLY WITH LOCAL EARTHQUAKE CODES AND REGULATIONS.
- 6. REPRESENTATIONS OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF SURVEY DRAWINGS, SHALL NOT BE USED TO IDENTIFY OR ESTABLISH BEARING OF TRUE NORTH AT THE SITE. THE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF SURVEY DRAWING AND ANY SURVEYOR'S MARKINGS AT THE SITE FOR THE ESTABLISHMENT OF TRUE NORTH, AND SHALL NOTIFY THE ARCHITECT / ENGINEER PRIOR TO PROCEEDING WITH THE WORK IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE TRUE NORTH ORIENTATION AS DEPICTED ON THE CIVIL SURVEY. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ARCHITECT / ENGINEER.
- 7. THE BUILDING DEPARTMENT ISSUING THE PERMITS SHALL BE NOTIFIED AT LEAST TWO WORKING DAYS PRIOR TO THE COMMENCEMENT OF WORK, OR AS OTHERWISE STIPULATED BY THE CODE ENFORCEMENT OFFICIAL HAVING JURISDICTION.
- 8. DO NOT EXCAVATE OR DISTURB BEYOND THE PROPERTY LINES OR LEASE LINES, UNLESS OTHERWISE NOTED
- ALL EXISTING UTILITIES, FACILITIES, CONDITIONS, AND THEIR DIMENSIONS SHOWN ON THE PLAN HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THE ARCHITECT / ENGINEER AND THE OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR THE ACCURACY OF THE INFORMATION SHOWN ON THE PLANS, OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTORS SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTORS SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES.
- 10. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES, BOTH HORIZONTAL AND VERTICALLY, PRIOR TO THE 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
- 11. 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.
- 12. ANY DRAIN AND/OR FIELD TILE ENCOUNTERED / DISTURBED DURING CONSTRUCTION SHALL BE RETURNED TO IT'S 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-BUILT" DRAWINGS BY GENERAL CONTRACTOR, AND ISSUED TO THE ARCHITECT / ENGINEER AT COMPLETION OF PROJECT.
- 13. 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.
- 14. INCLUDE MISC. ITEMS PER AT&T SPECIFICATIONS

APPLICABLE CODES, REGULATIONS AND STANDARDS:

SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION.

THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.

SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:

- AMERICAN CONCRETE INSTITUTE (ACI) 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
- AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION, ASD, NINTH EDITION
- TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-H, STRUCTURAL STANDARD FOR STRUCTURAL ANTENNA TOWER AND ANTENNA SUPPORTING STRUCTURES
- INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) 81, GUIDE FOR MEASURING EARTH RESISTIVITY, GROUND IMPEDANCE, AND EARTH SURFACE POTENTIALS OF A GROUND SYSTEM IEEE 1100 (1999) RECOMMENDED PRACTICE FOR POWERING AND GROUNDING OF ELECTRICAL EQUIPMENT.
- -IEEE C62.41, RECOMMENDED PRACTICES ON SURGE VOLTAGES IN LOW VOLTAGE AC POWER CIRCUITS (FOR LOCATION CATEGORY "C3" AND "HIGH SYSTEM EXPOSURE")

TIA 607 COMMERCIAL BUILDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS TELCORDIA GR-63 NETWORK EQUIPMENT-BUILDING SYSTEM (NEBS): PHYSICAL PROTECTION

TELCORDIA GR-347 CENTRAL OFFICE POWER WIRING
TELCORDIA GR-1275 GENERAL INSTALLATION REQUIREMENTS
TELCORDIA GR-1503 COAXIAL CABLE CONNECTIONS

ANY AND ALL OTHER LOCAL & STATE LAWS AND REGULATIONS

FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT. THE SPECIFIC REQUIREMENT SHALL GOVERN.

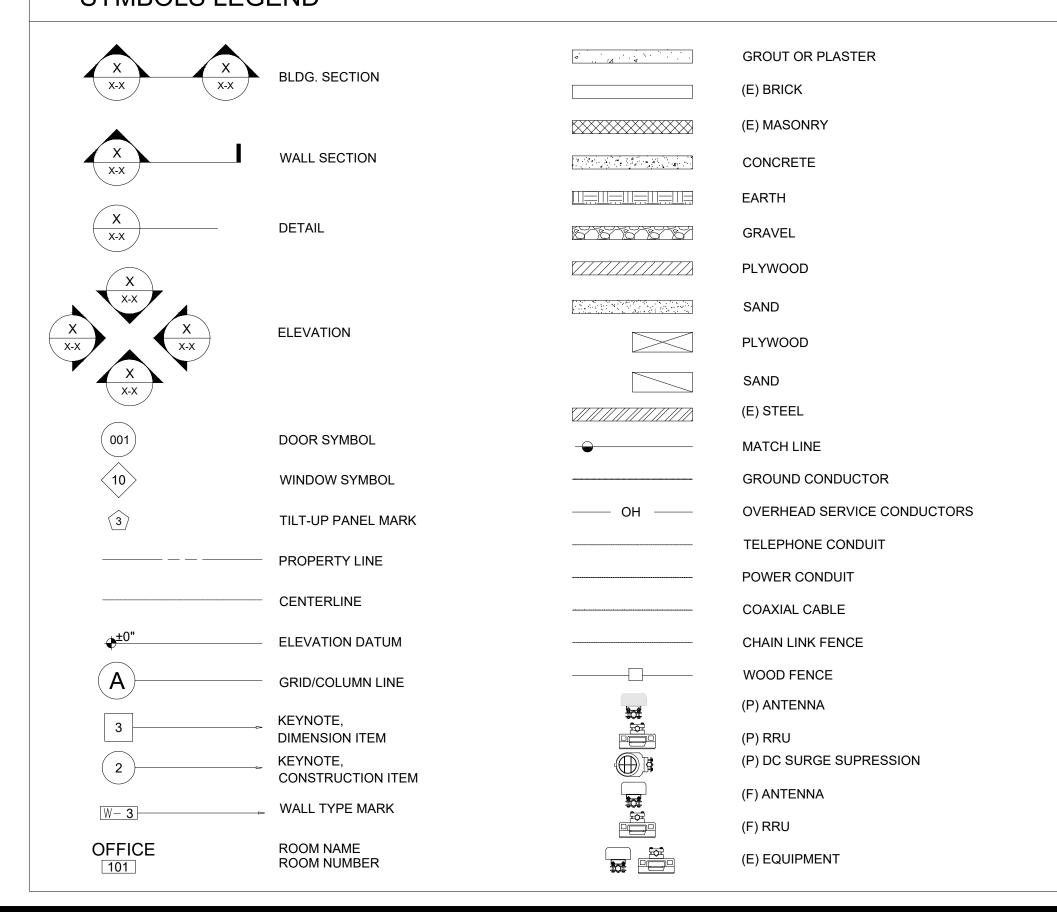
ABBREVIATIONS

A.B.	ANCHOR BOLT	ICGB.	ISOLATED COPPER GROUND BUS
ABV.	ABOVE	IN. (")	INCH(ES)
ACCA	ANTENNA CABLE COVER ASSEMBLY		
ADD'L	ADDITIONAL	INT.	INTERIOR
A.F.F.	ABOVE FINISHED FLOOR	LB.(#)	POUND(S)
4.F.G.	ABOVE FINISHED GRADE	L.B.	LAG BOLTS
ALUM.	ALUMINUM	L.F.	LINEAR FEET (FOOT)
		L.	LONG(ITUDINAL)
ALT.	ALTERNATE	MAS.	MASONRY
ANT.	ANTENNA	MAX.	MAXIMUM
APPRX.	APPROXIMATE(LY)		
ARCH.	ARCHITECT(URAL)	M.B.	MACHINE BOLT
AWG.	AMERICAN WIRE GAUGE	MECH.	MECHANICAL
BLDG.	BUILDING	MFR.	MANUFACTURER
BLK.	BLOCK	MIN.	MINIMUM
BLKG.	BLOCKING	MISC.	MISCELLANEOUS
BM.	BEAM	MTL.	METAL
		(N)	NEW
3.N.	BOUNDARY NAILING	NÓ.(#)	NUMBER
BTCW.	BARE TINNED COPPER WIRE		
3.O.F.	BOTTOM OF FOOTING	N.T.S.	NOT TO SCALE
3/U	BACK-UP CABINET	O.C.	ON CENTER
CAB.	CABINET	OPNG.	OPENING
CANT.	CANTILEVER(ED)	P/C	PRECAST CONCRETE
C.I.P.	CAST IN PLACE	PCS	PERSONAL COMMUNICATION SERVICES
		PLY.	PLYWOOD
CLG.	CEILING	PPC	POWER PROTECTION CABINET
CLR.	CLEAR	PRC	PRIMARY RADIO CABINET
COL.	COLUMN	P.S.F.	POUNDS PER SQUARE FOOT
CONC.	CONCRETE		
CONN.	CONNECTION(OR)	P.S.I.	POUNDS PER SQUARE INCH
CONST.	CONSTRUCTION	P.T.	PRESSURE TREATED
CONT.	CONTINUOUS	PWR.	POWER (CABINET)
d	PENNY (NAILS)	QTY.	QUANTITY
		RAD.(R)	RADIUS
DBL.	DOUBLE	REF.	REFERENCE
DEPT.	DEPARTMENT	REINF.	REINFORCEMENT(ING)
D.F.	DOUGLAS FIR		, ,
DIA.	DIAMETER	REQ'D/	REQUIRED
DIAG.	DIAGONAL	RGS.	RIGID GALVANIZED STEEL
DIM.	DIMENSION	SCH.	SCHEDULE
DWG.	DRAWING(S)	SHT.	SHEET
DWL.	DOWEL(S)	SIM.	SIMILAR
	` '	SPEC.	SPECIFICATIONS
EA.	EACH	SQ.	SQUARE
EL.	ELEVATION		
ELEC.	ELECTRICAL	S.S.	STAINLESS STEEL
ELEV.	ELEVATION	STD.	STANDARD
EMT.	ELECTRIAL METALLIC TUBING	STL.	STEEL
Ξ.N.	EDGE NAILING	STRUC.	STRUCTURAL
ENG.		TEMP.	TEMPORARY
	ENGINEER	THK.	THICK(NESS)
EQ.	EQUAL	T.N.	TOE NAIL
EXP.	EXPANSION		
EXST. (E)	EXISTING	T.O.A.	TOP OF ANTENNA
EXT.	EXTERIOR	T.O.C.	TOP OF CURB
FAB.	FABRICATION (OR)	T.O.F.	TOP OF FOUNDATION
7.5. F.F.	FINISH FLOOR	T.O.P.	TOP OF PLATE (PARAPET)
 =.G.	FINISH GRADE	T.O.S.	TOP OF STEEL
G. -IN.		T.O.W.	TOP OF WALL
	FINISH (ED)	TYP.	TYPICAL
FLR.	FLOOR	U.G.	UNDER GROUND
FDN.	FOUNDATION		
F.O.C.	FACE OF CONCRETE	U.L.	UNDERWRITERS LABORATORY
F.O.M.	FACE OF MASONRY	U.N.O.	UNLESS NOTED OTHERWISE
F.O.S.	FACE OF STUD	V.I.F.	VERIFY IN FIELD
F.O.W.	FACE OF WALL	W	WIDE (WIDTH)
F.S.	FINISH SURFACE	w/	WITH
		WD.	WOOD
FT. (')	FOOT (FEET)	W.P.	WEATHERPROOF
FTG.	FOOTING		
G.	GROWTH (CABINET)	WT.	WEIGHT
GA.	GAUGE	<u>Q</u>	CENTERLINE
		P	PLATE, PROPERTY LINE
GI.	GALVANIZE (D)		
G.F.I.	GROUND FAULT INTERUPTER		
GLB. (GLU-LAM)	GLUE LAMINATED BEAM		
,			
GPS	GLOBAL POSITIONING SYSTEM		
GRND.	GROUND		
IDD	HEADER		
HDR.	HEADEN		

SYMBOLS LEGEND

HEIGHT

HT.

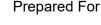


Issued For:

CVL01727

CHICAGO & OHIO

1229 OHIO AVENUE MODESTO, CA 95358 FA# 15541193 USID# 321109





San Ramon, California 94583



AT&T SITE NO: CVL01727
PROJECT NO: 22-018

Folsom, California 95630

DRAWN BY: BW

CHECKED BY: BW

3 2 1 0 C B 8/17/2022 100% ZD SUB.

No. 2567
Exp. 12-31-23

A 7/13/2022 90% ZD SUB.

DATE DESCRIPTION

IT IS A VIOLATION OF LAW FOR ANY
PERSON, UNLESS THEY ARE ACTING
UNDER THE DIRECTION OF A LICENSED
PROFESSIONAL ENGINEER, TO ALTER THIS

Designer / Engineer:

Norman School

Scheel Structural

> 5022 Sunrise Blvd. Fair Oaks, California 95628

Sheet Title:

GENERAL NOTES, ABBREVIATIONS, & LEGEND

Sheet Number:

GN-1

This Site Operated By:

AT&T MOBILITY

2600 CAMINO RAMON, 4W850 N SAN RAMON, CA 94583 IN CASE OF FIRE AND THE NEED FOR SHUTDOWN TO DEACTIVATE ANTENNAS CALL THE **FOLLOWING NUMBER:**

For 24 Hour Emergency Contact and Access Please Call: (800) 832-6662

Reference Site#:

Site Address:

\ FENCED COMPOUND SIGNAGE

10 FENCED COMPOUND SIGNAGE

N.T.S.



INFORMATION

Federal Communications Communication Tower Registration Number

2 3 4 5 6 7

Posted in accordance with federal Communications Commission rules and antenna tower registration 47CFR 17.4(g).

FCC ASR SIGNAGE



\ DOOR / EQUIPMENT SIGN

\NOT USED

Property of AT&T

Authorized Personnel Only

No Trespassing

Violators will be Prosecuted

In case of emergency, or prior to performing

maintenance on this site, call and reference cell site number

GATE SIGNAGE

Property of AT&T

Authorized Personnel Only

In case of emergency, or prior to performing maintenance on this site, call and reference cell site number

SHELTER / CABINET DOORS SIGNAGE



CAUTION

! WARNING

Entering this area

can expose you to lead from lead acid

batteries.

Lead is known to the

State of California to

cause cancer and

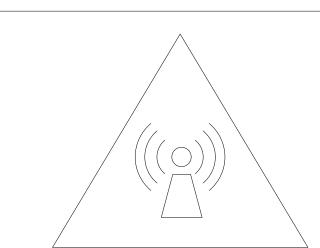
birth defects or other

reproductive harm.

For more information

go to

www.P65Warnings.ca.gov



On This Tower

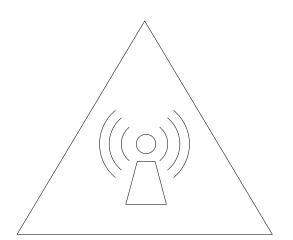
you are entering a controlled area where RF Emissions may exceed the FCC Controlled Exposure limits Obey all posted signs and site guidelines for working in an RF environment

Ref: FCC 47CFR 1.1307(b)

- STANDARDS LIMITING HUMAN EXPOSURE TO RADIO FREQUENCY ENERGY AND SHOULD BE USED AS SUCH. IF THE SITE'S EMF REPORT OR ANY LOCAL, STATE OR FEDERAL GUIDELINES OR REGULATIONS SHOULD BE IN CONFLICT W/ ANY PART OF THESE NOTES OR PLANS, THE MORE RESTRICTIVE GUIDELINE OR
- THE PUBLIC LIMIT OF RF EXPOSURE ALLOWED BY AT&T IS 1mWcm*2 AND THE OCCUPATIONAL LIMIT OF RF EXPOSURE ALLOWED BY AT&T IS 5mWcm*2
- IF THE BOTTOM OF THE ANTENNA IS MOUNTED (8) EIGHT FEET ABOVE THE GROUND OR WORKING PLATFORM LINE OF THE PERSONAL COMMUNICATION SYSTEM (PCS) AND DOES NOT EXCEED THE PUBLIC LIMIT OF RF EXPOSURE LIMIT THEN NO STRIPING OR BARRICADES SHOULD BE NEEDED
- IF THE PUBLIC LIMIT OF RF EXPOSURE ON THE SITE IS EXCEEDED AND THE AREA IS PUBLICLY ACCESSIBLE (e.g. ROOF ACCESS DOOR THAT CANNOT BE LOCKED, OR FIRE EGRESS) THEN BOTH BARRICADES AND STRIPING SHALL BE PLACED AROUND THE ANTENNAS. THE EXACT EXTENT OF THE BARRICADES AND STRIPING SHALL BE DETERMINED BY THE EMF REPORT FOR THE SITE DONE BEFORE OR SHORTLY AFTER COMPLETION OF SITE CONSTRUCTION. USE THE PLANS AS A GUIDELINE FOR PLACEMENT OF SUCH BARRICADES AND
- IF THE PUBLIC LIMIT OF RF EXPOSURE ON THE SITE IS EXCEEDED AND THE AREA IS PUBLICLY ACCESSIBLE (e.g. ROOF ACCESS DOOR THAT CANNOT BE LOCKED, OR FIRE EGRESS) THEN BOTH BARRICADES AND STRIPING SHALL BE PLACED AROUND THE ANTENNAS. THE EXACT EXTENT OF THE BARRICADES AND STRIPING SHALL BE PLACED AROUND THE ANTENNAS. THE EXACT EXTENT OF THE BARRICADES & STRIPING SHALL BE DETERMINED BY THE EMF REPORT FOR THE SITE DONE BEFORE OR SHORTLY AFTER COMPLETION OF SITE CONSTRUCTION. USE THE PLANS AS A GUIDELINE FOR PLACEMENT OF SUCH BARRICADES AND STRIPING.
- ALL TRANSMIT ANTENNAS REQUIRE A THREE LANGUAGE WARNING SIGN WRITTEN IN ENGLISH, SPANISH, AND CHINESE. THIS SIGN SHALL BE CONTENT CONVENTIONS. ALL SIGNS SHALL HAVE AT&T'S NAME AND THE COMPANY CONTACT INFORMATION (e.g. TELEPHONE NUMBER) TO ARRANGE PROVIDED TO THE CONTRACTOR BY THE AT&T CONSTRUCTION PROJECT MANAGER AT THE TIME OF CONSTRUCTION.
- PHOTOS OF ALL STRIPING, BARRICADES & SIGNAGE SHALL BE PART OF THE CONTRACTORS CLOSE OUT PACKAGE & SHALL BE TURNED INTO THE AT&T CONSTRUCTION PACKAGE & SHALL BE TURNED INTO THE AT&T CONSTRUCTION PROJECT MANAGER AT THE END OF CONSTRUCTION BARRICADES SHALL BE MADE OF AN RF FRIENDLY MATERIAL SO AS NOT TO BLOCK OR INTERFERE w/ THE OPERATION OF THE ANTENNAS. BARRICADES SHALL BE PAINTED w/ FADE RESTRAINT YELLOW SAFETY PAINT. THE CONTRACTOR SHALL PROVIDE ALL RF FRIENDLY BARRICADES NEEDED, & SHALL PROVIDE THE AT&T CONSTRUCTION PROJECT MANAGER w/ A DETAILED SHOP DRAWING OF EACH BARRICADE. UPON CONSTRUCTION COMPLETION.

GENERAL NOTES

NOTICE



On This Tower

You are entering an area where RF Emissions may exceed the FCC General Population Exposure Limits Follow all posted signs and site guidelines for working in an RF environment

Ref: FCC 47CFR 1.1307(b)

at&t

Sheet Number:

CVL01727

1229 OHIO AVENUE

FA# 15541193

USID# 321109

Prepared For

MODESTO, CA 95358

CHICAGO & OHIO

San Ramon, California 94583

605 Coolidge Drive, Suite 100

8/17/2022 100% ZD SUB. 7/13/2022 90% ZD SUB.

No. 2567 Exp. 12-31-23

IT IS A VIOLATION OF LAW FOR ANY

Designer / Engineer

Scheel

Structural

 $\mathcal{E}_{\mathsf{ngineer}}$

Sheet Title:

PERSON, UNLESS THEY ARE ACTING

JNDER THE DIRECTION OF A LICENSED OFESSIONAL ENGINEER, TO ALTER TH

5022 Sunrise Blvd. Fair Oaks, California 95628

SITE SIGNAGE

REV DATE DESCRIPTION

Folsom, California 95630

AT&T SITE NO: CVL01727

PROJECT NO: 22-018

DRAWN BY:

CHECKED BY: BW

GN-2

CAUTION AND WARNING SIGN

WARNING

On This Tower

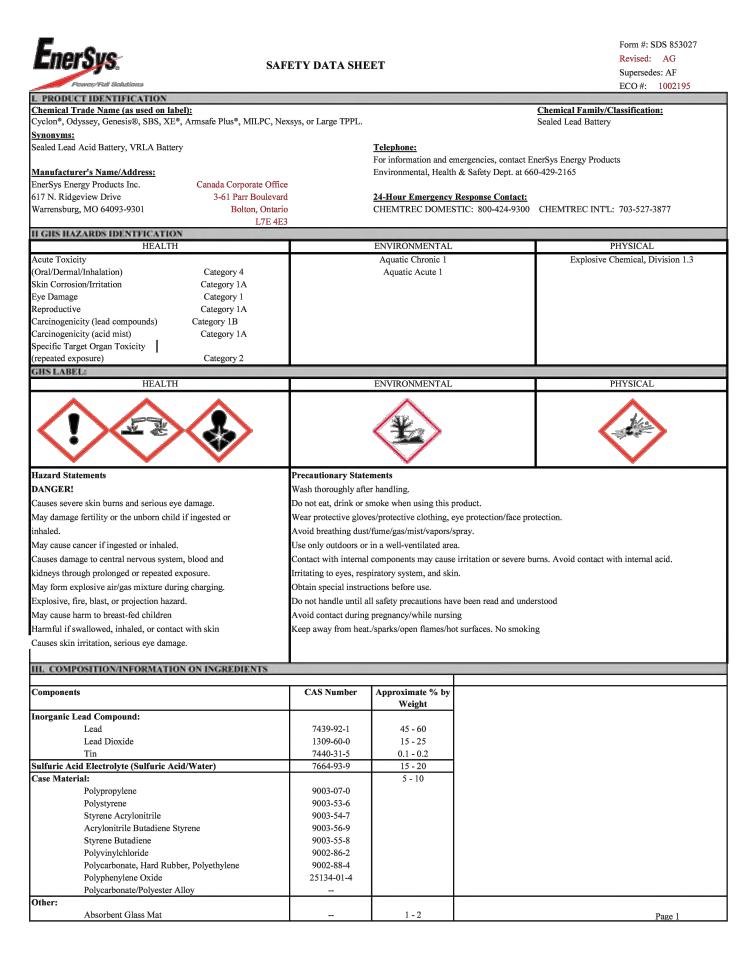
PROP 65 WARNING SIGNAGE

you are entering a controlled area where RF Emissions exceed the FCC Controlled Exposure limits Failure to obey all posted signs and site guidelines could result in serious injury

Ref: FCC 47CFR 1.1307(b) at&t

at&t

NOTICE SIGN



<u>Lead Components:</u> May cause eye irritation

disturbances and irritability.

edical Conditions Generally Aggravated by Exposure:

Electrolyte: LC50 rat: 375 mg/m3; LC50: guinea pig: 510 mg/m3

Most studies include lead compounds and not elemental lead.

Excepted from the hazardous materials regulations (HMR) because the batteries meet the requirements of 49 CFR 173.159(f) and 49 CFR 173.159a

 $of the \ U.S.\ Department\ of\ Transportation's\ HMR.\ Battery\ and\ outer\ package\ must\ be\ marked\ "\ NONSPILLABLE"\ or\ "NONSPILLABLE\ BATTERY"$

· No known effects on stratospheric ozone depletion.

· Volatile organic compounds: 0% (by Volume) · Water Endangering Class (WGK): NA

I. DISPOSAL CONSIDERATIONS (UNITED STATES)

Effects of Overexposure - Chronic:

Acute Toxicity:

halation LD50:

Electrolyte: rat: 2140 mg/kg

ditional Health Data:

II. ECOLOGICAL INFORMATION

ency and/or federal EPA.

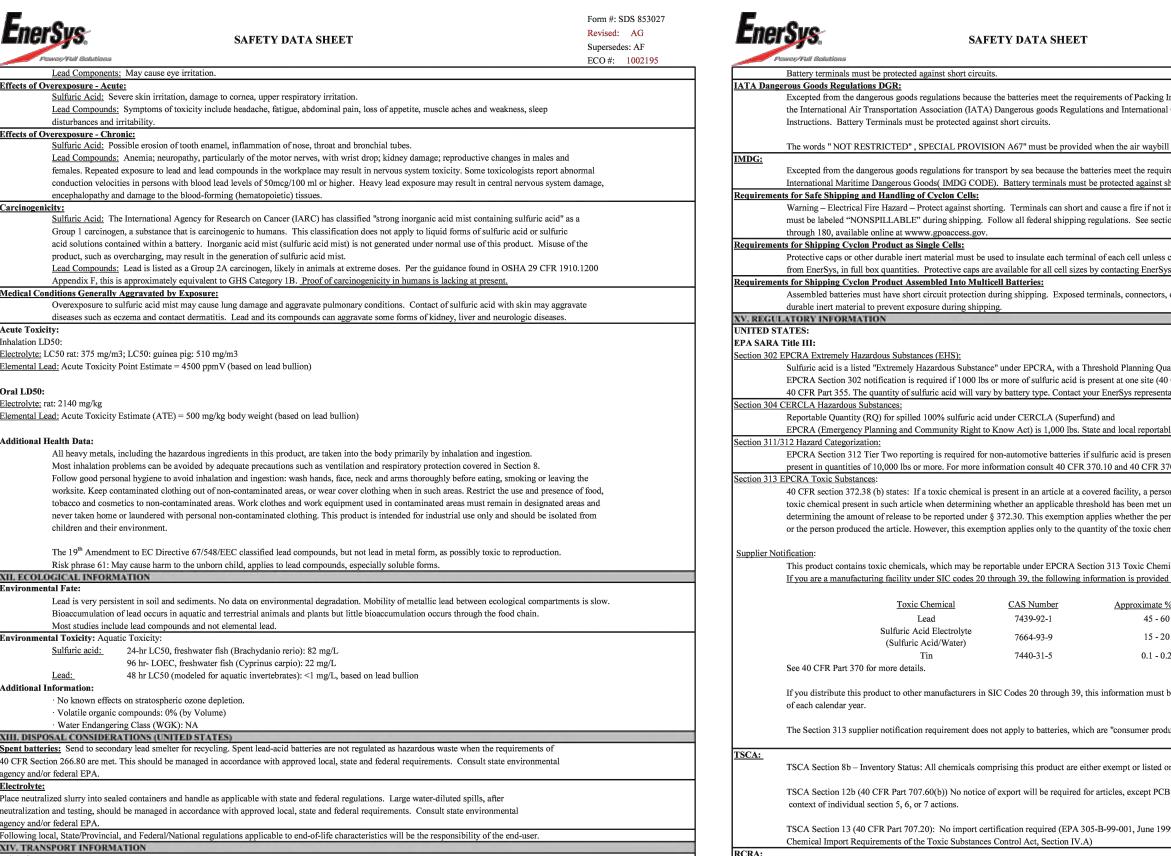
agency and/or federal EPA.

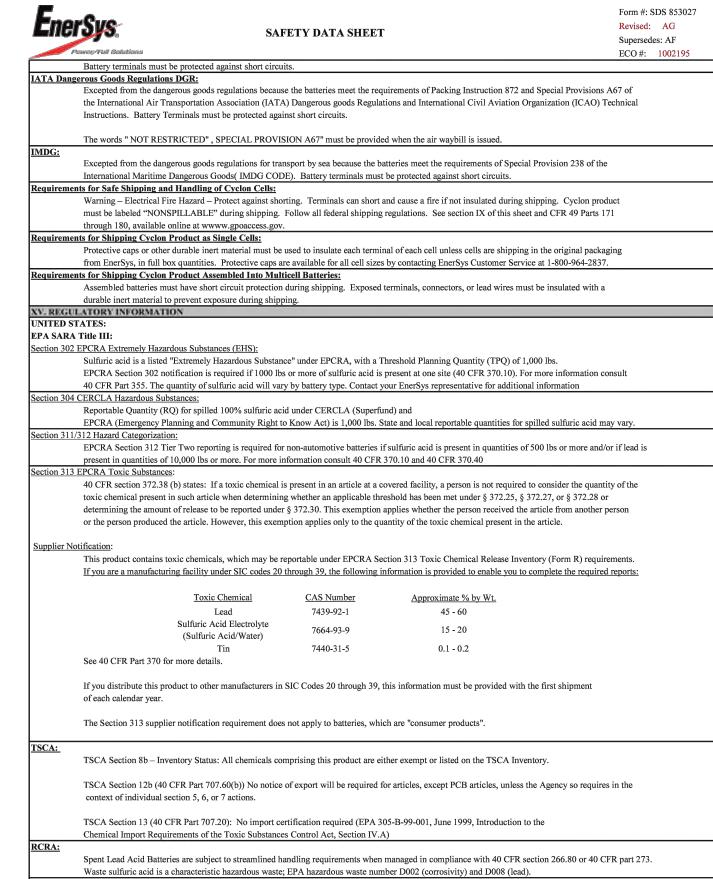
IV. TRANSPORT INFORMATION

	YS. Trill Solutions	SAI	FETY DATA SHE	ЕТ		UEL = 74.2% (Hydelicates) UEL = 74.2% (Hydelicates) distributed to electrolyte generates as shut down. Polosion, keep sparks or other sitive terminals of cells and electricates and face shield. Do not requirements. O avoid damage and short circum stretch wrap to secure item or stretch wrap to secure item or stretch wrap to secure item of the stretch wrap to secure item. On the stretch wrap to secure item of the stretch wrap to secure item. On the stretch wrap to secure item of the stretch wrap to secure item of the stretch wrap to secure item.	Revised: A Supersedes: A ECO #: 100	AF
	-	sulfuric acid electrolyte are the prin				roducts.	ECO #. 100	02170
V. FIRST AID		ry or cadmium containing products	present in batteries man	uractured by EnerSys	Energy Products.			
nhalation:								
<u>Le</u>		nove to fresh air immediately. If br n exposure, gargle, wash nose and	-	oxygen. Consult a phy	ysician			
con	nsult a physician	e large quantities of water; do not in	nduce vomiting or aspira	tion into the lungs ma	y occur and can cause	permanent injury or o	death;	
<u>Le:</u> Skin:	ead: Consult phys	ician immediately.						
Su If s	symptoms persist	h with large amounts of water for ε, seek medical attention. Wash con liately with soap and water.				ing shoes.		
		ead: Flush immediately with large dical attention if eyes have been ex		least 15 minutes while	e lifting lids			
	TING MEASUR	·	sposed directly to dela.					
Flash Point: N/.	'A		Flammable Limits:			UEL = 74.2% (Hydr	ogen Gas)	
		oxide; foam; dry chemical. Avoid	breathing vapors. Use ap	propriate media for su	rrounding fire.			
If		s: harge, shut off power. Use positive positive positive properties.	-		Water applied to elec	trolyte generates		
		series connected batteries may still		_	g equipment is shut do	wn.		
Unusual Fire an	nd Explosion Haz	zards:						
		ydrogen gas is generated during ch			-			
	_	away from batteries. Do not allow		ultaneously contact no	egative and positive ter	minals of cells and		
	tteries. Follow m	anufacturer's instructions for instal	lation and service.					
Spill or Leak Pr		manage Nad						
		al, contain/absorb small spills with	dry sand, earth, and verr	niculite. Do not use c	ombustible materials.	If possible, carefully		
	_	ectrolyte with soda ash, sodium bio						
	_	inneutralized acid to sewer. Acid n	-	dance with local, state	e, and federal requirem	ents.		
	onsult state enviro	nmental agency and/or federal EP	A.					
Handling:	WANDSTORA	06.						
	in recycling opera	ations, do not breach the casing or	empty the contents of the	battery.				
There may be inc	creasing risk of el	ectric shock from strings of connec	ted batteries					
Keep containers	tightly closed who	en not in use. If battery case is bro	ken, avoid contact with	internal components.				
		inals to prevent short circuits. Place	-			-		
Ceen away from	combustible mate	riale organie chemicale reducing	substances metals strong					
		criais, organic chemicals, reducing	baobiances, metals, stroi	ig oxidizers and water	. Ose balluling of street	in wrap to secure iter	ms for	
shipping.			buobulices, metals, siroi	ig oxidizers and water	. Ose banding of sites	en wrap to secure iter	ms for	
shipping. Storage:	cool, dry, well-ve						ms for	
shipping. Storage: Store batteries in		entilated areas with impervious sur	faces and adequate conta	ainment in the event o	f spills. Batteries shou	ld	ms for	
Storage: Store batteries in also be stored un	der roof for prote	entilated areas with impervious sur	faces and adequate conta	ainment in the event o	f spills. Batteries shou Store and handle only	ld		
shipping. Storage: Store batteries in also be stored und areas with ade	der roof for protection and derivate water suppl	entilated areas with impervious sur	faces and adequate conta litions. Separate from in to containers. Keep aw	ainment in the event o	f spills. Batteries shou Store and handle only	ld		
shipping. Storage: Store batteries in also be stored unin areas with adecould bridge the Charging:	nder roof for protect equate water suppl terminals on a ba	entilated areas with impervious sur- ction against adverse weather cond ly and spill control. Avoid damage ttery and create a dangerous short-	faces and adequate conta litions. Separate from in to containers. Keep aw circuit	ainment in the event o compatible materials. ay from fire, sparks ar	f spills. Batteries shou Store and handle only and heat. Keep away from	ld n metallic objects wh	hich	
shipping. Storage: Store batteries in also be stored unin areas with adecould bridge the Charging: There is a possib	der roof for protect equate water suppliterminals on a bar ole risk of electric	entilated areas with impervious sur- ction against adverse weather cond- ly and spill control. Avoid damage ttery and create a dangerous short- shock from charging equipment an	faces and adequate conta litions. Separate from in to containers. Keep aw circuit	ainment in the event o compatible materials. ay from fire, sparks ar	f spills. Batteries shou Store and handle only and heat. Keep away from	n metallic objects wh	hich	
shipping. Storage: Store batteries in also be stored unin areas with adecould bridge the Charging: There is a possib chargers whenever	der roof for protect equate water suppli- terminals on a bar- ole risk of electric er not in use and	entilated areas with impervious sur- ction against adverse weather cond- ly and spill control. Avoid damage ttery and create a dangerous short- shock from charging equipment and before detachment of any circuit co	faces and adequate contaitions. Separate from in to containers. Keep aw circuit diffrom strings of series connections. Batteries bein	ainment in the event of compatible materials. ay from fire, sparks are connected batteries, when charged will generate the connected batteries.	f spills. Batteries shou Store and handle only and heat. Keep away from the hether or not being chaste and release flammal	n metallic objects wh rged. Shut-off power ole hydrogen gas.	hich	
Storage: Storage: Store batteries in also be stored una rareas with adeceded by the Charging: There is a possib chargers wheneve Charging space s	der roof for prote- equate water suppl terminals on a bar ole risk of electric rer not in use and should be ventilate	entilated areas with impervious sur ction against adverse weather cond ly and spill control. Avoid damage ttery and create a dangerous short- shock from charging equipment an before detachment of any circuit condition.	faces and adequate contaitions. Separate from in to containers. Keep aw circuit diffrom strings of series connections. Batteries bein	ainment in the event of compatible materials. ay from fire, sparks are connected batteries, when charged will generate the connected batteries.	f spills. Batteries shou Store and handle only and heat. Keep away from the hether or not being chaste and release flammal	n metallic objects wh rged. Shut-off power ole hydrogen gas.	hich	
hipping. Storage: Store batteries in also be stored una reas with adecould bridge the Charging: There is a possib chargers wheneve Charging space s Wear face and ey	nder roof for prote- equate water suppl terminals on a bar- ple risk of electric ter not in use and should be ventilate by protection where	entilated areas with impervious sur- ction against adverse weather cond- ly and spill control. Avoid damage ttery and create a dangerous short- shock from charging equipment and before detachment of any circuit co	faces and adequate contaitions. Separate from in to containers. Keep aw circuit diffrom strings of series connections. Batteries bein	ainment in the event of compatible materials. ay from fire, sparks are connected batteries, when charged will generate the connected batteries.	f spills. Batteries shou Store and handle only and heat. Keep away from the hether or not being chaste and release flammal	n metallic objects wh rged. Shut-off power ole hydrogen gas.	hich	
hipping. Storage: Store batteries in also be stored unin areas with adecould bridge the Charging: There is a possib chargers whenever the charging space is a constant of the charging space is wear face and eyellows.	nder roof for prote- equate water suppl terminals on a bar- ple risk of electric ter not in use and should be ventilate by protection when	entilated areas with impervious sur- ction against adverse weather cond- ly and spill control. Avoid damage ttery and create a dangerous short- shock from charging equipment and before detachment of any circuit conduction. Keep battery vent caps in position near batteries being charged.	faces and adequate contaitions. Separate from in to containers. Keep aw circuit diffrom strings of series connections. Batteries bein	ainment in the event of compatible materials. ay from fire, sparks are connected batteries, when charged will generate the connected batteries.	f spills. Batteries shou Store and handle only and heat. Keep away from the hether or not being chaste and release flammal	n metallic objects wh rged. Shut-off power ole hydrogen gas.	hich	
hipping. Storage: Store batteries in Iso be stored un In areas with ade- could bridge the Charging: There is a possib Charging space s Wear face and ey Exposure Limits	nder roof for prote- equate water suppl terminals on a bar- ple risk of electric ter not in use and should be ventilate by protection when	entilated areas with impervious sur- ction against adverse weather cond- ly and spill control. Avoid damage ttery and create a dangerous short- shock from charging equipment and before detachment of any circuit co- ed. Keep battery vent caps in position n near batteries being charged.	faces and adequate contaitions. Separate from in to containers. Keep aw circuit diffrom strings of series connections. Batteries bein	ainment in the event of compatible materials. ay from fire, sparks are connected batteries, when charged will generate the connected batteries.	f spills. Batteries shou Store and handle only and heat. Keep away from the hether or not being chaste and release flammal	n metallic objects wh rged. Shut-off power ole hydrogen gas.	hich • to	OEL
hipping. Storage: Store batteries in also be stored una nareas with adecould bridge the could bridge the stored in a reas with adecould bridge the stored in a reas when every charging space is wear face and eyell. Exposure Limits NGREDIENTS Chemical/Comm	der roof for prote- equate water suppl- terminals on a bar- ole risk of electric erer not in use and ' should be ventilate by protection when the COLECTE (SECTION 1997) Note:	entilated areas with impervious sur- ction against adverse weather cond ly and spill control. Avoid damage ttery and create a dangerous short- shock from charging equipment an before detachment of any circuit co ed. Keep battery vent caps in positi n near batteries being charged. N.E.= Not Established	faces and adequate contaitions. Separate from in to containers. Keep aw circuit d from strings of series of connections. Batteries being the connections. Prohibit smoking an	ainment in the event of compatible materials. any from fire, sparks and connected batteries, while the connected will generate distribution of flat and conditions of the connected will generate distributions.	f spills. Batteries shou Store and handle only and heat. Keep away from the ther or not being chat ate and release flammal mes and sparks nearby	n metallic objects wh rged. Shut-off power ole hydrogen gas.	hich • to	OEL
hipping. Atorage: Atorage: Atorage: Atore batteries in A seas with ade- could bridge the Charging: There is a possib hargers wheneve Charging space s Wear face and ey Charging space s Wear face and ey Charging space s Atorage Country Cou	der roof for prote- equate water suppl- terminals on a bar- ole risk of electric erer not in use and ' should be ventilate by protection when the COLECTE (SECTION 1997) Note:	entilated areas with impervious surction against adverse weather cond by and spill control. Avoid damage ttery and create a dangerous shortshock from charging equipment an before detachment of any circuit conditions of the condition of the cond	faces and adequate contaitions. Separate from in to containers. Keep awcircuit df from strings of series of connections. Batteries being ion. Prohibit smoking an	ainment in the event of compatible materials. ay from fire, sparks and connected batteries, wing charged will general diavoid creation of flature. US NIOSH	f spills. Batteries shou Store and handle only and heat. Keep away from the ther or not being chaste and release flammal mes and sparks nearby	n metallic objects where the control of the control	to EU	
hipping. torage: tore batteries in lso be stored und n areas with ade ould bridge the charging: there is a possib hargers wheneve tharging space s lyear face and ey the store of the store of the store that can be store of the store of the store that can be store of the store of the store that can be store of the st	der roof for prote- equate water suppl- terminals on a bar- ole risk of electric erer not in use and ' should be ventilate by protection when the COLECTE (SECTION 1997) Note:	entilated areas with impervious surction against adverse weather cond by and spill control. Avoid damage ttery and create a dangerous shortshock from charging equipment and before detachment of any circuit conduction. Avoid the conduction is a specific property of the conduction of	faces and adequate contaitions. Separate from in to containers. Keep awcircuit ad from strings of series onnections. Batteries beinon. Prohibit smoking an ACGIH	ainment in the event of compatible materials. ay from fire, sparks and connected batteries, wing charged will generated avoid creation of flat. US NIOSH 0.05	f spills. Batteries shou Store and handle only and heat. Keep away from thether or not being cha ate and release flammal mes and sparks nearby Quebec PEV 0.05	n metallic objects where the control of the control	e to EU	5 (b)
hipping. Atorage: tore batteries in lso be stored un- n areas with ade- ould bridge the to- Charging: here is a possib- hargers wheneve tharging space s Vear face and ey ILLEPOSID EXPOSURE CAPPOSITE CAPPO	der roof for prote- equate water suppl- terminals on a bar- ole risk of electric ter not in use and should be ventilate ye protection when the control so s (mg/m3) Note:	entilated areas with impervious surction against adverse weather cond by and spill control. Avoid damage ttery and create a dangerous shortshock from charging equipment are before detachment of any circuit conditions to the condition of the con	faces and adequate containers. Separate from in to containers. Keep aw circuit ad from strings of series connections. Batteries being ion. Prohibit smoking an ACGIH 0.05	ainment in the event of compatible materials. and from fire, sparks are connected batteries, we not charged will general diavoid creation of flat US NIOSH 0.05	f spills. Batteries shou Store and handle only and heat. Keep away from thether or not being chatte and release flammal mes and sparks nearby Quebec PEV 0.05	n metallic objects where the second of the s	EU	5 (b) N.E
hipping. Atorage: tore batteries in lso be stored un- n areas with ade- ould bridge the Charging: here is a possib hargers wheneve charging space s Vear face and ey ILEMPOSID EXPOSIDENTS Chemical/Comm Lead and Lead C Linorganic) In ulfuric Acid Ele	der roof for prote- equate water suppl- terminals on a bar- ole risk of electric ter not in use and should be ventilate ye protection when the control so s (mg/m3) Note:	entilated areas with impervious surction against adverse weather cond by and spill control. Avoid damage ttery and create a dangerous shortshock from charging equipment are before detachment of any circuit conduction. Keep battery vent caps in position near batteries being charged. N.E.= Not Established OSHA PEL 0.05 2 1	faces and adequate containers. Separate from in to containers. Keep aw circuit ad from strings of series connections. Batteries being ion. Prohibit smoking an ACGIH 0.05 2 0.2	uniment in the event of compatible materials. and from fire, sparks are connected batteries, we may charged will general diavoid creation of flat US NIOSH 0.05 2 1	f spills. Batteries shou Store and handle only and heat. Keep away from thether or not being cha the and release flammal mes and sparks nearby Quebec PEV 0.05 2 1	n metallic objects where the content of the content	EU 0.1	.5 (b) N.E 05 (c)
hipping. dorage: tore batteries in lso be stored un- n areas with ade- ould bridge the Charging: here is a possib- hargers wheneve charging space s Vear face and ey III. EXPOSUI EXPOSUICATION CAMPIONICATION CHEMICAL COM CHEMI	der roof for prote- equate water suppl- terminals on a bar- ole risk of electric ter not in use and should be ventilate ye protection when the control so s (mg/m3) Note:	entilated areas with impervious sur- ction against adverse weather cond ly and spill control. Avoid damage ttery and create a dangerous short- shock from charging equipment ar- before detachment of any circuit ce d. Keep battery vent caps in positi n near batteries being charged. N.E.= Not Established OSHA PEL 0.05 2 1 N.E	faces and adequate containers. Separate from in to containers. Keep aw circuit ad from strings of series connections. Batteries being ion. Prohibit smoking an ACGIH 0.05 2 0.2 N.E	uniment in the event of compatible materials. aay from fire, sparks are connected batteries, wing charged will general diavoid creation of flat US NIOSH 0.05 2 1 N.E	f spills. Batteries shou Store and handle only ad heat. Keep away fro hether or not being che ate and release flammal mes and sparks nearby Quebec PEV 0.05 2 1 N.E	n metallic objects where the contract of the c	EU 0.1 1 0.0 0.0	5 (b) N.E 05 (c) N.E
hipping. Atorage: Atorage: Atore batteries in liso be stored unity are as with adecould bridge the charging: There is a possib hargers wheneved tharging space is a possib harger wheneved tharging space in the control of the charging space is a possib harger wheneved tharging space is a possib harger wheneved tharging space is a possib harger wheneved tharging space is a possib harger whenever the charge in the control of the control of the charge is a possible to the charge in the charge in the charge is a possible that the charge is a	ader roof for prote- equate water suppl- terminals on a ba- ole risk of electric rer not in use and a should be ventilate ye protection when the CONTROLS is (mg/m3) Note:	entilated areas with impervious surction against adverse weather cond by and spill control. Avoid damage ttery and create a dangerous shortshock from charging equipment are before detachment of any circuit conduction. Keep battery vent caps in position near batteries being charged. N.E.= Not Established OSHA PEL 0.05 2 1	faces and adequate containers. Separate from in to containers. Keep aw circuit ad from strings of series connections. Batteries being ion. Prohibit smoking an ACGIH 0.05 2 0.2	uniment in the event of compatible materials. and from fire, sparks are connected batteries, we may charged will general diavoid creation of flat US NIOSH 0.05 2 1	f spills. Batteries shou Store and handle only and heat. Keep away from thether or not being cha the and release flammal mes and sparks nearby Quebec PEV 0.05 2 1	on metallic objects where the second of the	EU 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	.5 (b) N.E 05 (c)
hipping. Atorage: At	der roof for prote- equate water suppl- terminals on a ba- ole risk of electric ter not in use and should be ventilate type protection when the CONTROLS s (mg/m3) Note: mon Names) Compounds ectrolyte	entilated areas with impervious surction against adverse weather cond by and spill control. Avoid damage ttery and create a dangerous shortshock from charging equipment and before detachment of any circuit coded. Keep battery vent caps in position near batteries being charged. N.E.= Not Established OSHA PEL 0.05 2 1 N.E N.E N.E N.E N.E	faces and adequate contaitions. Separate from in to containers. Keep aweircuit d from strings of series of connections. Batteries being ton. Prohibit smoking an ACGIH 0.05 2 0.2 N.E N.E N.E N.E	us niosh	f spills. Batteries shou Store and handle only ad heat. Keep away fro hether or not being cha ate and release flammal mes and sparks nearby Quebec PEV 0.05 2 1 N.E N.E N.E	on metallic objects where the control of the contro	0.1 0.0 0.0	5 (b) N.E 05 (c) N.E N.E
shipping. Storage: Store batteries in also be stored una nareas with adecould bridge the could bridge the could bridge the stored una reas with adecould bridge the stored una nareas with adecould bridge the could bridge the stored una possible charging space s wear face and ey the could be stored una possible charging space s wear face and ey the could be stored una possible charging space s wear face and ey the could be sufficiently common the could be sufficiently contained to the could be sufficiently s	der roof for prote- equate water suppl- terminals on a ba- ole risk of electric erer not in use and should be ventilate type protection when the CONTROLS s (mg/m3) Note: mon Names) Compounds ectrolyte titrile tadiene	entilated areas with impervious surction against adverse weather condity and spill control. Avoid damage ttery and create a dangerous shortshock from charging equipment and before detachment of any circuit conditions of the condition of the con	faces and adequate contaitions. Separate from in to containers. Keep aw circuit ad from strings of series of connections. Batteries being the connection of	us NIOSH 0.05 2 1 N.E N.E N.E	f spills. Batteries shou Store and handle only and heat. Keep away from thether or not being chatte and release flammal mes and sparks nearby Quebec PEV 0.05 2 1 N.E N.E N.E N.E	on metallic objects where the control of the contro	EU O.1 P O.0 P P	5 (b) N.E 05 (c) N.E N.E N.E
shipping. Storage: Store batteries in also be stored unin areas with adecould bridge the Charging: There is a possib chargers wheneved Charging space s Wear face and ey	der roof for protected and the roof for protection when the roof for protection	entilated areas with impervious surction against adverse weather cond by and spill control. Avoid damage ttery and create a dangerous shortshock from charging equipment and before detachment of any circuit coded. Keep battery vent caps in position near batteries being charged. N.E.= Not Established OSHA PEL 0.05 2 1 N.E N.E N.E N.E N.E	faces and adequate contaitions. Separate from in to containers. Keep aweircuit d from strings of series of connections. Batteries being ton. Prohibit smoking an ACGIH 0.05 2 0.2 N.E N.E N.E N.E	us niosh	f spills. Batteries shou Store and handle only ad heat. Keep away fro hether or not being cha ate and release flammal mes and sparks nearby Quebec PEV 0.05 2 1 N.E N.E N.E	on metallic objects where the control of the contro	EU O.1 P O.0 P P	5 (b) N.E 15 (c) V.E N.E V.E

YS. Full Galutions	SAI	FETY DATA SHE	CET			Revised: AG Supersedes: AF ECO #: 1002195	EnerSys.	SA	AFETY DATA SHE	ЕТ			Revised: AG Supersedes: AF ECO #: 1002195					
ganic lead and sulf	furic acid electrolyte are the prin	nary components of eve	ry battery manufacture	d by EnerSys Energy P			Polycarbonate, Hard						1					
	or cadmium containing products	present in batteries ma	nufactured by EnerSys	Energy Products.			Rubber, Polyethylene	N.E	N.E	N.E	N.E	N.E	N.E					
MEASURES							Polyphenylene Oxide	N.E	N.E	N.E	N.E	N.E	N.E					
furic Acid: Remov	e to fresh air immediately. If br	eathing is difficult, give	e oxygen. Consult a phy	ysician			Polycarbonate/Polyester Alloy Rubber, Polyethylene	N.E	N.E	N.E	N.E	N.E	N.E					
d: Remove from ex	xposure, gargle, wash nose and l	ips; consult physician.					Absorbent Glass Mat	N.E	N.E	N.E	N.E	N.E	N.E					
furic Acid: Give la	rge quantities of water; do not in	nduce vomiting or asnir	ation into the lungs ma	v occur and can cause	nermanent injury or dea	ath•	NOTES:	N.E	N.E	N.E	N.E	N.E	N.E					
sult a physician d: Consult physici		ratee vointing of aspir	ation into the langs int	y occur und cui cuusc	permanent injury of dec	,	(b) As inhalable aerosol (c) Thoracic fraction											
ymptoms persist, se d: Wash immediat	with large amounts of water for a seek medical attention. Wash con- lely with soap and water.	taminated clothing before	ore reuse. Discard conta	aminated shoes	ing shoes.		Handle batteries caution clothing, eye and face	Ebl-ventilated area. If mechanic busly to avoid spills. Make cer protection when filling, chargi erminals of the batteries. Char	rtain vent caps are on secung or handling batteries. I	rely. Avoid contact was Do not allow metallic n	ith internal compone naterials to simultane	eously contact both the	sly contact both the					
	al attention if eyes have been ex						Respiratory Protection (NIOSH/M			1		•						
ING MEASURES							_	ormal conditions. When conc	entrations of sulfuric acid	mist are known to exc	eed the PEL, use NIC	OSH or MSHA-approve	ed					
adia: Carbon diay	ide; foam; dry chemical. Avoid l		LEL = 4.1% (Hydroge		UEL = 74.2% (Hydrog	gen Gas)	respiratory protection. Skin Protection:											
ting Procedures:	ide, idam, dry chemical. Avoid i	oreaming vapors. Ose a	ppropriate media for st	irrounding me.				ged, use rubber or plastic acid-	-resistant gloves with elbo	w-length gauntlet, acid	l-resistant apron, clo	thing and boots						
patteries are on char t and causes it to sp	rge, shut off power. Use positive patter. Wear acid-resistant cloth	ing, gloves, face and ey	e protection.					ged, use chemical goggles or f	ace shield.									
	ies connected batteries may still	pose risk of electric sh	ock even when chargin	g equipment is shut do	wn.		Other Protection:	amargancy conditions wage	acid resistant clothing and	hoots								
l Explosion Hazar	ds: rogen gas is generated during ch	arging and angustics -4	fhatteries To avaid -:	els of fire or overlasis:	kaan angeka an athan		Under severe exposure	e emergency conditions, wear a	acid-resistant crotning and	DOUIS.								
	ay from batteries. Do not allow						Properties Listed Below are for Ele											
-	ufacturer's instructions for instal		nuttaneously contact in	egative and positive ter	irmais or cens and		Boiling Point:	·	203 - 240° F	Specific Gravity (H2	O = 1):	1.215 to 1.350						
AL RELEASE MI							Melting Point:		N/A	Vapor Pressure (mm		10						
cedures:							Solubility in Water:		100%	Vapor Density (AIR		Greater than 1						
	contain/absorb small spills with	•					Evaporation Rate: (I		Less than 1	% Volatile by Weigh	ıt:	N/A						
	rolyte with soda ash, sodium bic						IEI (I aman Emplasia		H: ~1 to 2	Flash Point:	T !!4\		ture (as hydrogen gas)					
_	eutralized acid to sewer. Acid mental agency and/or federal EPA	-	ordance with local, stat	e, and rederal requirem	ents.		LEL (Lower Explosiv	ve Limit)	4.1% (Hydrogen)	UEL (Upper Explosi	ve Limit)	74.2% (Hydrogen)						
AND STORAGE		1.					Appearance and Odo	r:	Manufactured article; Electrolyte is a clear l	no apparent odor. iquid with a sharp, pen	etrating, pungent od	or.						
, maayalina anamatia	ons, do not breach the casing or	ammetry the contents of th	a hattam				X. STABILITY AND REACTIVE	ry										
	ric shock from strings of connec		ie battery.					nstable										
-	not in use. If battery case is bro		internal components.				This product is stable under norms		perature									
· .	ls to prevent short circuits. Plac		•	tive batteries to avoid	damage and short circuit	its.	Conditions To Avoid: Prolonged ov Incompatibility: (Materials to avo											
ombustible materia	als, organic chemicals, reducing	substances, metals, stro	ong oxidizers and water	r. Use banding or stret	ch wrap to secure items	for	Sulfuric Acid: Contac	t with combustibles and organ gas, strong oxidizers and wate	-	-			,					
er roof for protection	ilated areas with impervious sur on against adverse weather cond and spill control. Avoid damage	itions. Separate from in	ncompatible materials.	Store and handle only		ch	hydrogen gas. <u>Lead Compounds:</u> Av and reducing agents. Hazardous Decomposition Product	oid contact with strong acids,	bases, halides, halogenate	s, potassium nitrate, po	ermanganate, peroxic	des, nascent hydrogen						
	ry and create a dangerous short-o				·		Sulfuric Acid: Sulfur	is: trioxide, carbon monoxide, sul gh temperatures likely to produ				or presence of pascent						
	ock from charging equipment an							e highly toxic arsine gas.										
	fore detachment of any circuit co Keep battery vent caps in positi		0 0		, , ,		Hazardous Polymerization:											
	ear batteries being charged.	on. Fromon smoking a	nd avoid creation of ha	ines and sparks nearby	•		Will not occur											
	ERSONAL PROTECTION						NL TOXICOLOGICAL INFORM Routes of Entry:	ATION										
(mg/m3) Note: N.	E.= Not Established						Sulfuric Acid: Harmfu	al by all routes of entry.										
	OSHA PEL	ACGIH	US NIOSH	Quebec PEV	Ontario OEL	EU OEL		zardous exposure can occur or of nascent hydrogen may gene	•	*	e processed or damag	ged to create dust, vapor	r					
on Names)							Inhalation:	6 . 16	•									
mpounds	0.05	0.05	0.05	0.05	0.05	0.15 (b)		ing of sulfuric acid vapors or n alation of lead dust or fumes n			Llungs							
	2	2.	2	2	2	N.E	Ingestion:	ialation of lead dust of fumes i	nay cause irritation of upp	er respiratory tract and	i iungs.							
trolyte	1	0.2	1	1	0.2	0.05 (c)		use severe irritation of mouth,	throat, esophagus and sto	mach.								
	N.E	N.E	N.E	N.E	N.E	N.E		ute ingestion may cause abdon			cramping. This ma	y lead rapidly to system	nic					
	N.E	N.E	N.E	N.E	N.E	N.E	toxicity and must be tr	eated by a physician.										
rile	N.E	N.E	N.E	N.E	N.E	N.E	Skin Contact:	imitation become and desired										
diene	N.E	N.E	N.E	N.E	N.E	N.E		irritation, burns and ulceration t absorbed through the skin.	1.									
 	N.E N.E	N.E	N.E	N.E	N.E	N.E	Eye Contact:	aosoroeu unougn me skin.										
	N.E	N.E	N.E	N.E	1	Page E		irritation, burns, cornea dama	ige, and blindness.				Page 3					
							_											
						Earns #, CDC 052027	_						Earns #, CDC 952027					

Form #: SDS 853027







EnerSys supports preventative actions concerning ozone depletion in the atmosphere due to emissions of CFC's and other ozone depleting chemicals (ODC's), defined by the USEPA as Class I substances. Pursuant to Section 611 of the Clean Air Act Amendments (CAAA) of 1990, finalized on January 19, 1993, EnerSys established a policy to eliminate the use of Class I ODC's prior to the May 15, 1993 deadline. Warning: Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the State of California to cause Distribution into Quebec to follow Canadian Controlled Product Regulations (CPR) 24(1) and 24(2). Distribution into the EU to follow applicable Directives to the Use. Import/Export of the product as-sold. Article 33 (1) of the REACH regulation (Reg. EC 1907/2006), which entered into force on 1st of June 2007 in the European Union, requires that manufacturers communicate the presence of Substances of Very High Concern (SVHC) in articles (lead batteries) in concentration greater than 0.1% by Effective the 27th of June 2018, the European Chemical Agency (ECHA) updated the Candidate List with the inclusion of Lead Metal (CAS No.: 7439-92-1). This inclusion of Lead as an SVHC applies to all of EnerSys Lead based battery products regardless of the design VI. OTHER INFORMATION NFPA Hazard Rating for Sulfuric Acid: Flammability (Red) = 0Reactivity (Yellow) = 2Health (Blue) = 3Sulfuric acid is water-reactive if conce his Safety Data Sheet is created by the manufacturer to comply with the requirements of 29 CFR 1910.1200. To the extent allowed by law,

manufacturer hereby expressly disclaims any liability to any third party, including users of this product, including, but not limited to, consequential or

other damages, arising out of the use of, or reliance on, this Safety Data Sheet.

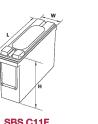


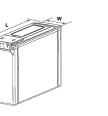
connect@alpinepowersystems.com

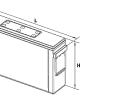
Form #: SDS 853027

ingress of atmospheric oxygen **General Specifications** SBS B10









PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED ROFESSIONAL ENGINEER, TO ALTER TH DOCUMENT.

IT IS A VIOLATION OF LAW FOR ANY

B | 8/17/2022 | 100% ZD SUB.

A 7/13/2022 90% ZD SUB.

DATE DESCRIPTION

No. 2567

Exp. 12-31-23

Designer / Engineer:

CVL01727

1229 OHIO AVENUE

FA# 15541193

USID# 321109

Prepared For:

MODESTO, CA 95358

CHICAGO & OHIO

5001 Executive Parkway

San Ramon, California 94583

605 Coolidge Drive, Suite 100

Folsom, California 95630

AT&T SITE NO: CVL01727

PROJECT NO: 22-018

DRAWN BY: BW

CHECKED BY: BW

I Vorman **O**cheel

Licensee:

Otructural ⊏ngineer :

5022 Sunrise Blvd.

Fair Oaks, California 95628

Sheet Title:

BATTERY SPECIFICATIONS

Sheet Number:



Battery Services for Backup Power

connect@alpinepowersystems.com 877-993-8855

Tapacity and Acceptance ackup rower teleson thorive name

BATTERY INFORMATION BATTERY ELECTRROLYTE DATA - 12V MONOBLOCS TOTAL ELECTROLYTE TOTAL ELECTROLYTE % SULPHURIC ACID = ACID VOLUME ELECTROLYTE % SULPHURIC ACID TOTAL ELECTROLYTE TOTAL UNITS X TOTAL SULPHURIC TOTAL UNITS X ACID WEIGHT (LBS) WEIGHT/UNIT TOTAL SULPHURIC TOTAL # OF BATTERY **BATTERY MODEL** ELECTROLYTE **VOLUME** WEIGHT VOLUME (GAL) UNITS INSTALLED BY VOLUME BY WEIGHT GAL/UNIT LBS/UNIT VOLUME PER UNIT WEIGHT VOLUME/UNITS ALPINE POWER SYSTEMS 41.7% = 11.4 LBS/27.3 LBS 8 UNITS 2.47 GAL 29.95% = 0.74 GAL/2.47 GAL 19.76 GAL = 8 UNITS x 2.47 GAL/UNIT 91.2 LBS = 8 UNITS X 11.4 LBS 27.3 LBS POWERSAFE SBS SBS 190F



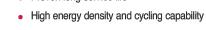
The PowerSafe® SBS® Front Terminal battery further extends the technical leadership of PowerSafe SBS battery product line: not only do PowerSafe SBS Front Terminal monoblocs retain the benefits typically associated with Thin Plate Pure Lead (TPPL) Technology such as long life, high energy density, superior shelf life, etc., they also deliver exceptional cyclic performance in both float and fast charge applications, even in the hottest and harshest operating

Where conventional Valve Regulated Lead Acid (VRLA)/Absorbed Glass Mat (AGM) batteries struggle to cope with harsh conditions and frequent power outages, cutting edge (TPPL) technology makes PowerSafe 12V batteries the perfect solution for the challenging operating conditions of today's telecommunication networks.

PowerSafe SBS batteries are designed to high quality standards and a unique manufacturing methods means superior energy and power, high performance and proven reliability, there is no substitute to PowerSafe SBS Front Terminal batteries.

Features and Benefits

- Capacity range 31-190Ah • 12V monobloc configurations
- Multiple string configurations available
- Two year shelf life
- SR4228 compliant
- Proven long service life





Publication No: US-SBSF-RS-004 - January 2014

Meets criteria for "non-spillable" batteries

Building System (NEBS™) Criteria Levels

Complies with Telcordia® SR-4228, Network Equipment

The management systems governing the manufacture of

this product are ISO 9001:2008 and ISO 14001:2004

Installation and Operation • VRLA design, reduces maintenance requirements Lifting handles for easy handling Greater than 10 year life expectancy in float service at

 Increased active material surface area yields great cycling capability Operating temperature: -40°F (-40°C) to 122°F (50°C)

Recommended temperature: 68°F (20°C) to 86°F (30°C)

Self-regulating one way pressure relief valves prevents

Lease Area Description

All that certain lease area being a portion of that certain parcel described in Deed filed for record as Doc-2010-0036183-00, Stanislaus County Records, and being a portion of the SE 1/4 of Section 36, Township 3 South, Range 8 East, M.D.B. & M., State of California, being more particularly described as follows:

Commencing at a standard monument in box set on the South line of the above referenced Section 36 at the E 1/16 corner as is shown on that certain Parcel Map filed for record at Book 56 of Parcel Maps at Page 04, Official Records, from which a similar monument bears North 00°47′53" West 2649.89 feet; thence from said point of commencement North 46°14′01" West 875.25 feet to the True Point of Beginning; thence from said point of beginning South 89°19′31" West 30.00 feet; thence North 00°40′29" West 30.00 feet; thence North 89°19′31" East 30.00 feet; thence South 00°40′29" East 30.00 feet to the point of beginning.

Together with the a non-exclusive easement for access and utility purposes fifteen feet in width the centerline of which is described as follows: beginning at the midpoint on the North boundary of the above described lease area and running thence North 00°40'29" West 10.87 feet to a point hereafter defined as Point "A"; thence North 89°19'31" East 618.5 feet more or less to the public right of way more commonly known as Ohio Avenue and a point hereafter defined as Point "B".

Also together with the a non-exclusive easement for access and utility purposes fifteen feet in width, the centerline of which is described as follows: beginning at Point "A" as previously defined and running thence South 89°19'31" West 24.92 feet.

Also together with the a non-exclusive easement for utility purposes six feet in width, the centerline of which is described as follows: beginning at Point "B" as previously defined and running thence North 00°47'45" West 205.4 feet more or less to the existing joint utility pole.

Geil Engineering Engineering * Surveying * Planning

1226 High Street Auburn, California 95603—5015

Phone: (530) 885-0426 * Fax: (530) 823-1309

A.T.& T. Mobility

Project No./Name: CVL01727 / Ohio Avenue

Project Site Location: 1229 Ohio Avenue

Modesto, CA 95358 Stanislaus County

Date of Observation: 06-22-22

Equipment/Procedure Used to Obtain Coordinates: Trimble Pathfinder Pro XL post processed with Pathfinder Office software.

Type of Antenna Mount: Proposed Monopole Tower

Coordinates

Latitude: N 37° 37' 32.85" (NAD83) N 37° 37' 33.10" (NAD27) Longitude: W 121° 02' 14.37" (NAD83) W 121° 02' 10.60" (NAD27)

ELEVATION of Ground at Structure (NAVD88) 75' AMSL

CERTIFICATION: I, the undersigned, do hereby certify elevation listed above is based on a field survey done under my supervision and that the accuracy of those elevations meet or exceed 1—A Standards as defined in the FAA ASAC Information Sheet 91:003, and that they are true and accurate to the best of my knowledge and belief.

Kenneth D. Geil California RCE 14803

THESE DRAWINGS AND/OR THE ACCOMPANYING SPECIFICATION AS INSTRUMENTS OF SERVICE, ARE THE EXCLUSIVE PROPERTY OF GEIL ENGINEERING AND THEIR USE AND PUBLICATION SHALL BE RESTRICTED TO THE ORIGINAL SITE AND CARRIER FOR WHICH THEY ARE PREPARED. REUSE, REPRODUCTION OR PUBLICATION BY ANY METHOD, IN WHOLE OR IN PART, IS PROHIBITED EXCEPT BY WRITTEN PERMISSION FROM GEIL ENGINEERING TITLE TO THESE

PLANS AND/OR SPECIFICATIONS SHALL REMAIN WITH GEIL ENGINEERING WITHOUT PREJUDICE AND VISUAL CONTACT WITH THEM SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS.

BOUNDARY SHOWN IS BASED ON MONUMENTATION FOUND AND RECORD INFORMATION. THIS IS NOT A BOUNDARY SURVEY. THIS IS A SPECIALIZED TOPOGRAPHIC MAP WITH PROPERTY LINES AND EASEMENTS BEING A GRAPHIC DEPICTION BASED ON INFORMATION GATHERED FROM VARIOUS SOURCES OF RECORD AND AVAILABLE MONUMENTATION FOUND DURING THE FIELD SURVEY. NO EASEMENTS WERE RESEARCHED OR PLOTTED. PROPERTY LINES AND LINES OF TITLE WERE NOT INVESTIGATED NOR SURVEYED. NO PROPERTY MONUMENTS WERE SET.

DATE OF SURVEY: 06-22-22

SURVEYED BY OR UNDER DIRECTION OF: KENNETH D. GEIL, R.C.E. 14803

LOCATED IN THE COUNTY OF STANISLAUS, STATE OF CALIFORNIA

BEARINGS SHOWN ARE BASED UPON MONUMENTS FOUND AND RECORD

INFORMATION. THIS IS NOT A BOUNDARY SURVEY.

ELEVATIONS SHOWN ON THIS PLAN ARE BASED UPON U.S.G.S. N.A.V.D. 88 DATUM. ABOVE MEAN SEA LEVEL.

N.G.V.D. 1929 CORRECTION: SUBTRACT 2.39' FROM ELEVATIONS SHOWN.

CONTOUR INTERVAL: N/A

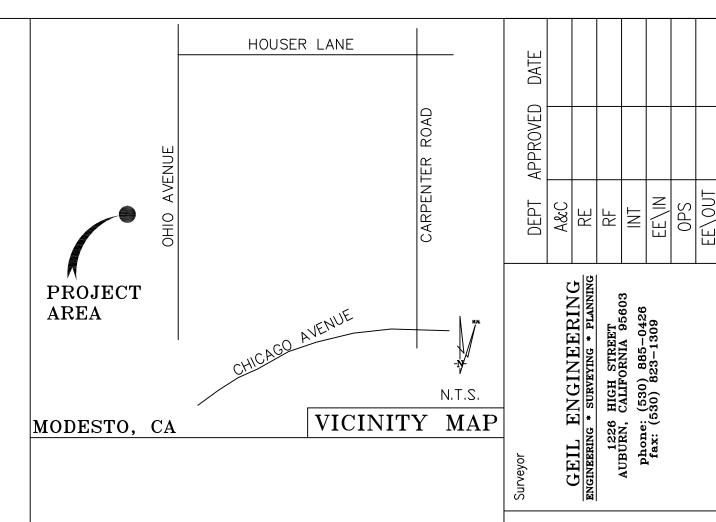
CONSTRUCTION.

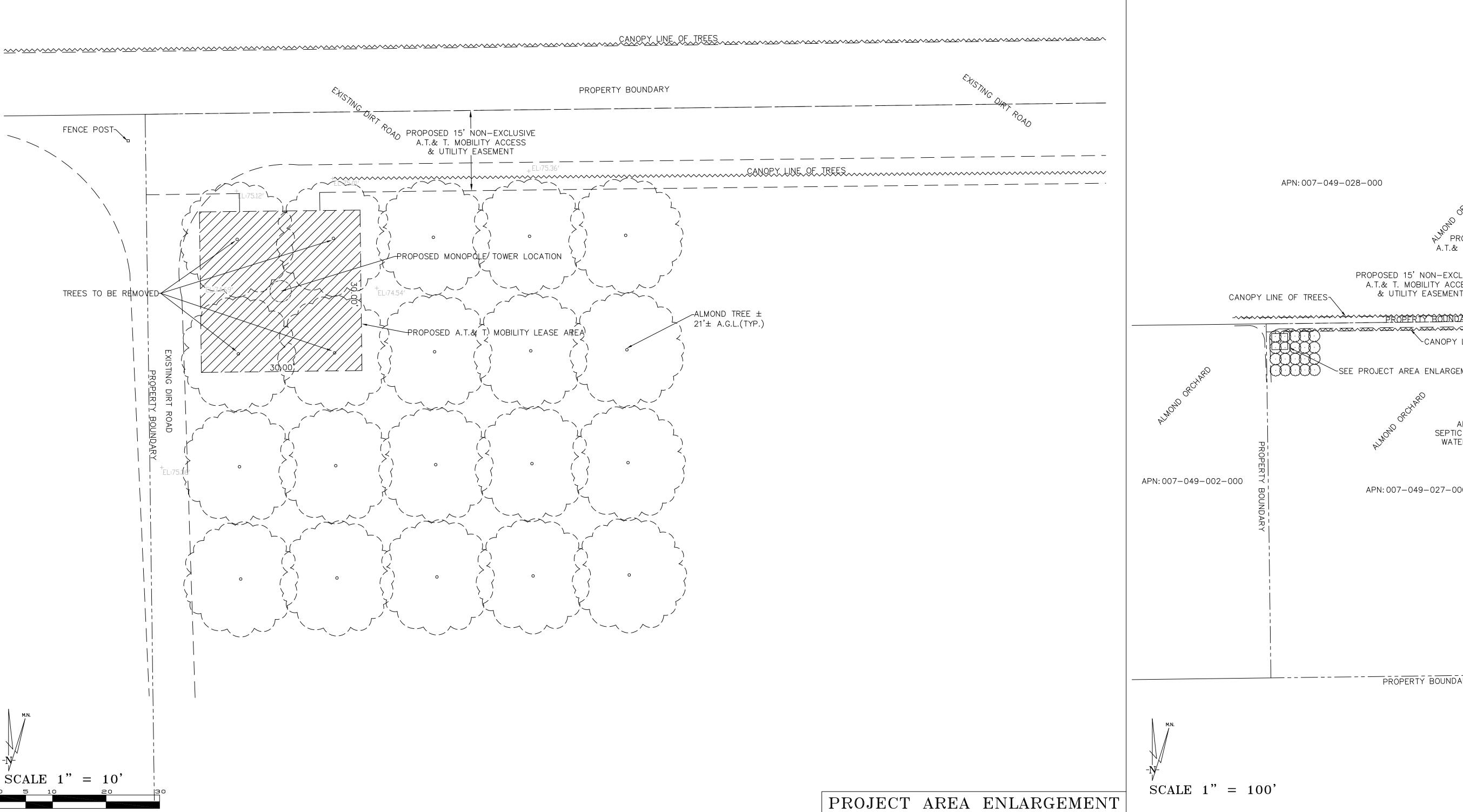
ASSESSOR'S PARCEL NUMBER: 007-049-027-000

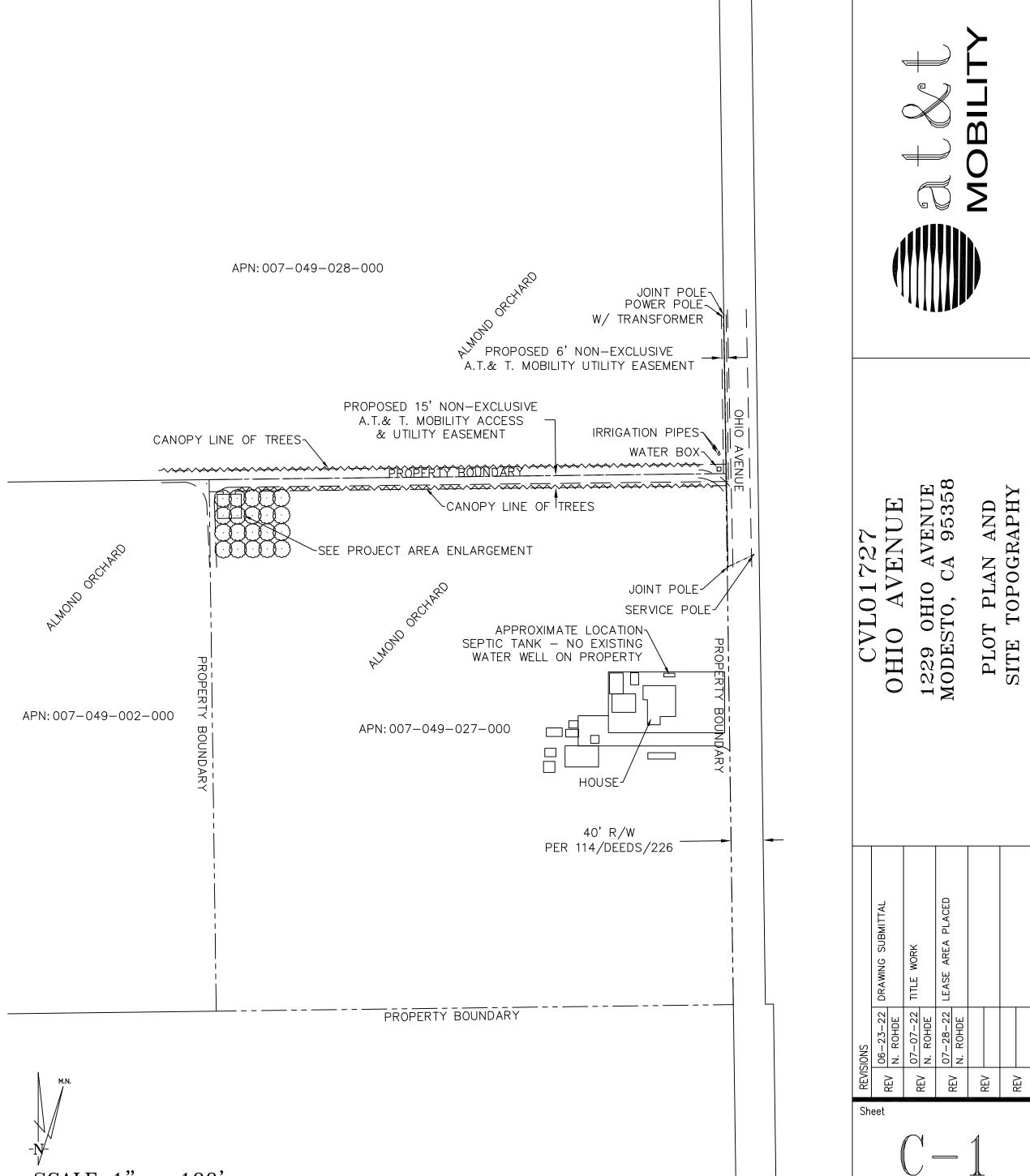
MODESTO, CA 95358

CONTRACTOR IS RESPONSIBLE TO VERIFY LEASE AREA PRIOR TO

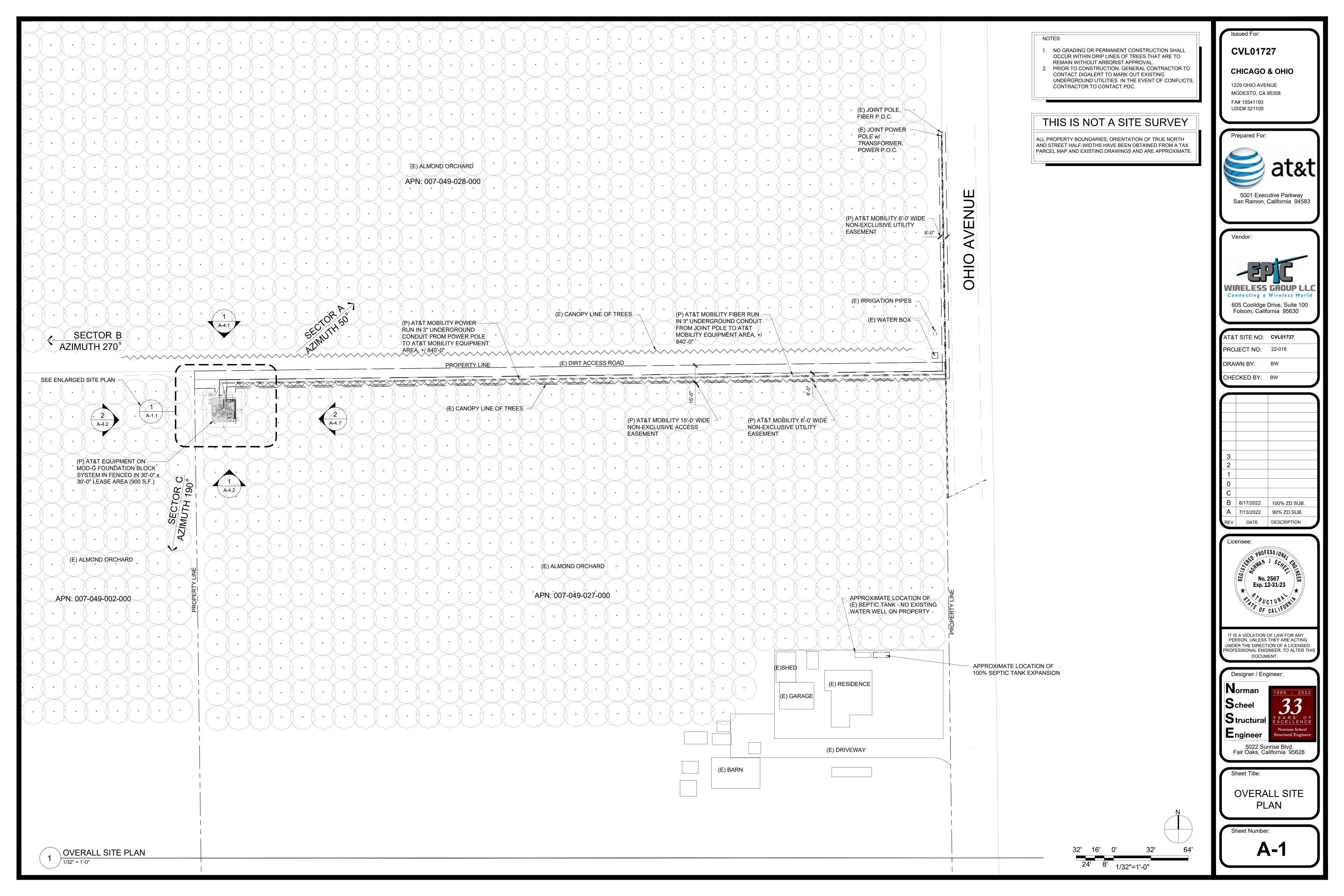
OWNER(S): GREGORY LEMOS
PO BOX 580433



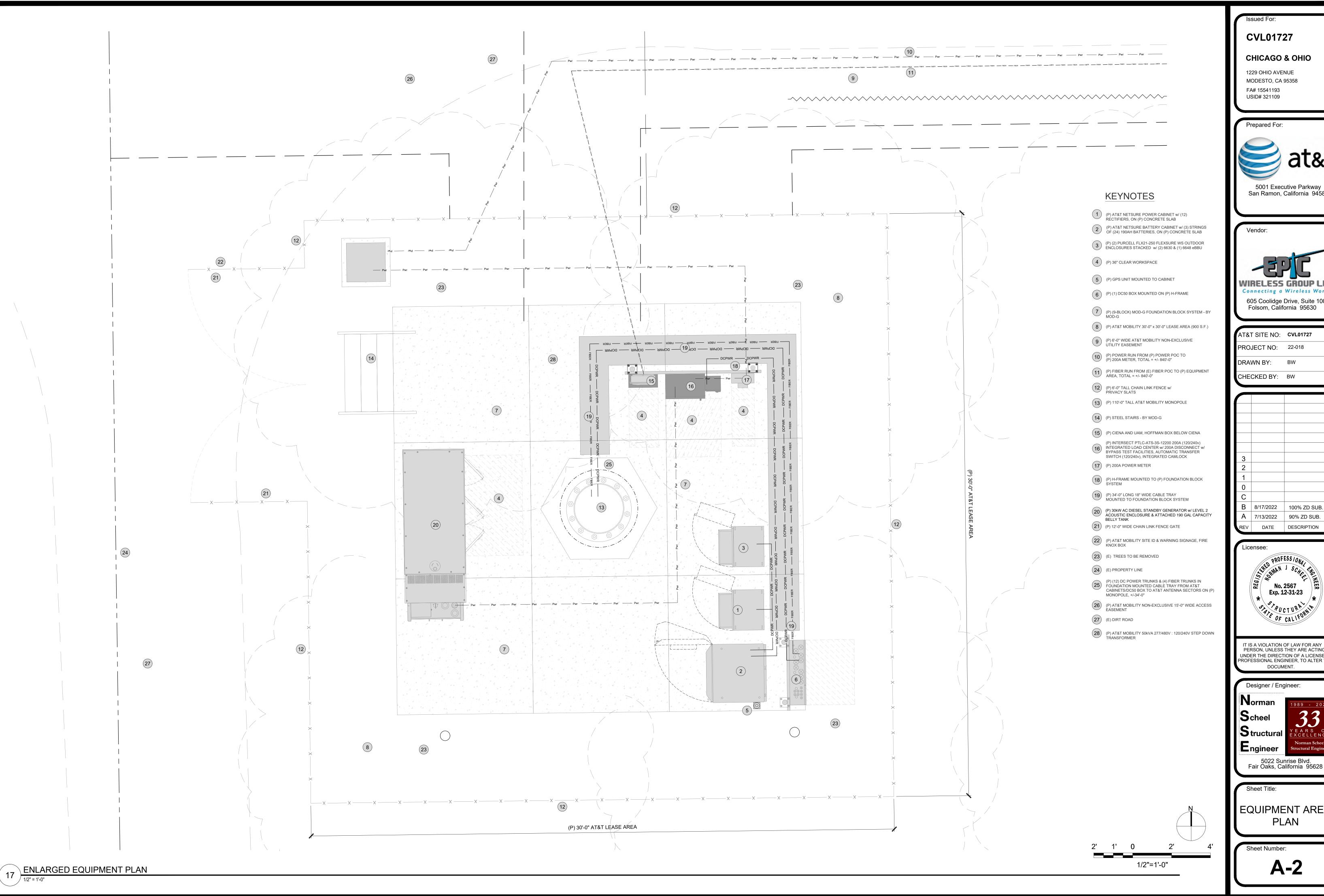




OVERALL SITE PLAN



CVL01727 **CHICAGO & OHIO** NOTES: 1229 OHIO AVENUE NO GRADING OR PERMANENT CONSTRUCTION SHALL MODESTO, CA 95358 OCCUR WITHIN DRIP LINES OF TREES THAT ARE TO FA# 15541193 REMAIN WITHOUT ARBORIST APPROVAL. USID# 321109 2. PRIOR TO CONSTRUCTION, GENERAL CONTRACTOR TO CONTACT DIGALERT TO MARK OUT EXISTING UNDERGROUND UTILITIES. IN THE EVENT OF CONFLICTS CONTRACTOR TO CONTACT PDC. Prepared For: (E) ALMOND ORCHARD APN: 007-049-028-000 5001 Executive Parkway San Ramon, California 94583 (E) CANOPY LINE OF TREES 605 Coolidge Drive, Suite 100 Folsom, California 95630 (P) AT&T MOBILITY FIBER RUN (P) AT&T MOBILITY POWER AT&T SITE NO: CVL01727 IN 3" UNDERGROUND CONDUIT RUN IN 3" UNDERGROUND FROM JOINT POLE TO AT&T CONDUIT FROM POWER POLE PROJECT NO: 22-018 MOBILITY EQUIPMENT AREA, +/ (E) DIRT ROAD TO AT&T MOBILITY EQUIPMENT AREA, +/ 840'-0" (E) DIRT ROAD DRAWN BY: BW PROPERTY LINE CHECKED BY: BW (E) CANOPY LINE OF TREES (P) AT&T MOBILITY 15'-0' WIDE NON-EXCLUSIVE ACCESS EASEMENT (P) AT&T MOBILITY 6'-0' WIDE NON-EXCLUSIVE UTILITY EASEMENT SECTOR B AZIMUTH 270° B 8/17/2022 100% ZD SUB. A 7/13/2022 90% ZD SUB. (E) TREE TO BE REMOVED REV DATE DESCRIPTION (E) TREES TO BE REMOVED SEE ENLARGED EQUIPMENT PLAN A-2 SEE ENLARGED ANTENNA PLAN A-4.2 No. 2567 Exp. 12-31-23 (E) TREE TO BE REMOVED (P) AT&T EQUIPMENT ON — MOD-G FOUNDATION BLOCK SYSTEM IN FENCED IN 30'-0" x 30'-0" LEASE AREA (900 S.F.) IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED (E) ALMOND ORCHARD PROFESSIONAL ENGINEER, TO ALTER TH DOCUMENT. (E) ALMOND ORCHARD Designer / Engineer: APN: 007-049-002-000 APN: 007-049-027-000 Structural ngineer 5022 Sunrise Blvd. Fair Oaks, California 95628 Sheet Title: **ENLARGED SITE** PLAN Sheet Number: **A-1.1** ENLARGED SITE PLAN 1/4"=1'-0"



CHICAGO & OHIO

1229 OHIO AVENUE MODESTO, CA 95358 FA# 15541193

Prepared For:



5001 Executive Parkway San Ramon, California 94583



605 Coolidge Drive, Suite 100 Folsom, California 95630

AT&T SITE NO: CVL01727

PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED ROFESSIONAL ENGINEER, TO ALTER TH DOCUMENT.

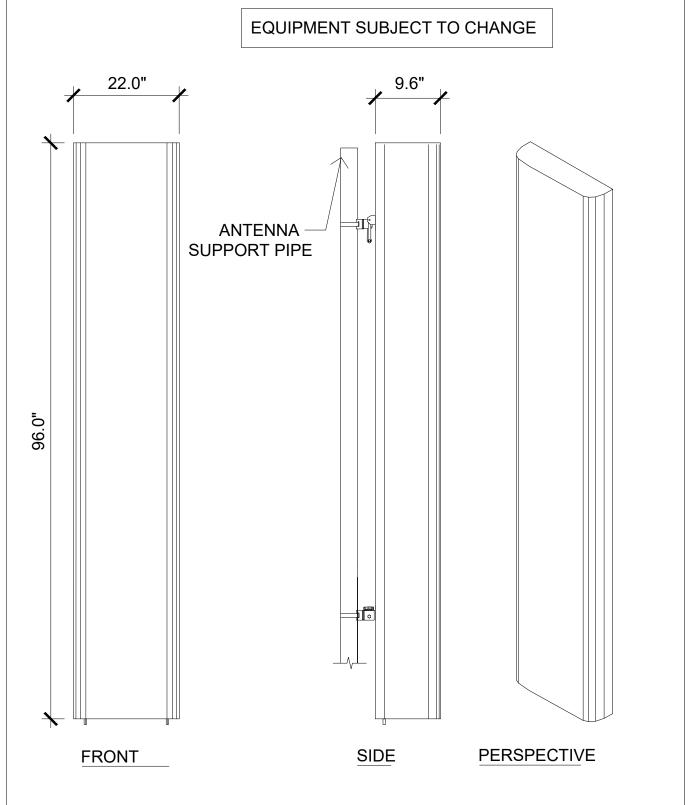
Designer / Engineer

◯ tructural ngineer

5022 Sunrise Blvd. Fair Oaks, California 95628

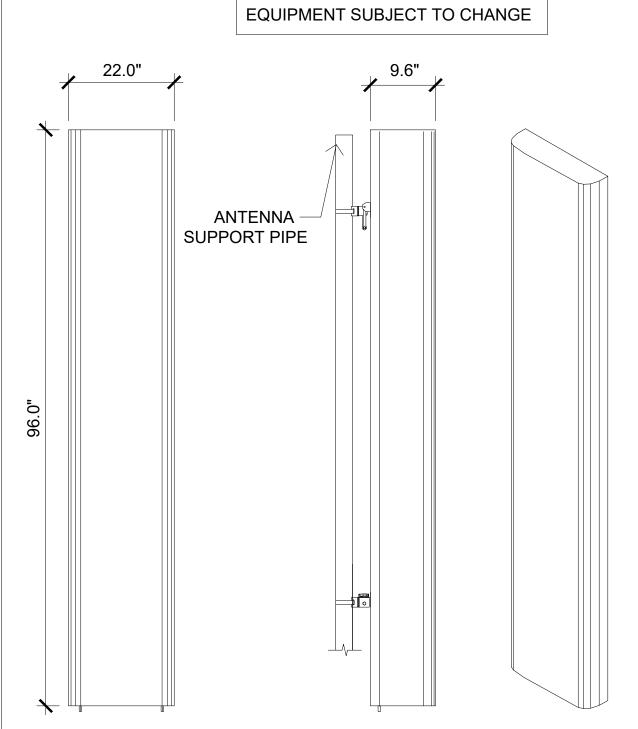
Sheet Title:

EQUIPMENT AREA



ANTENNA = QUINTEL QD8612-2 WEIGHT = 130 LBS DIMENSIONS = 96.0" (H) x 22.0" (W) x 9.6" (D)

PROPOSED ANTENNA SPEC

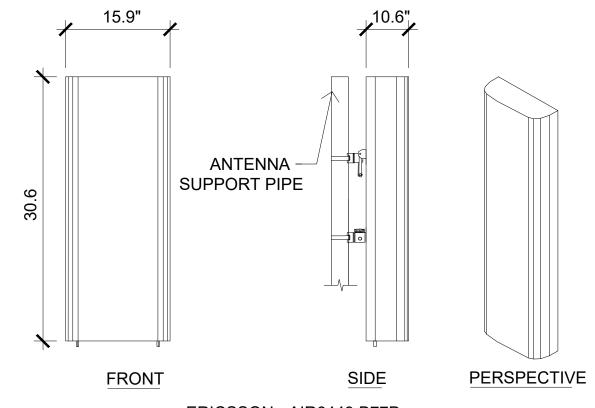


= QUINTEL QD8612-3D = 156 LBS DIMENSIONS = 96.0" (H) x 22.0" (W) x 9.6" (D)

PROPOSED ANTENNA SPEC

NOT TO SCALE

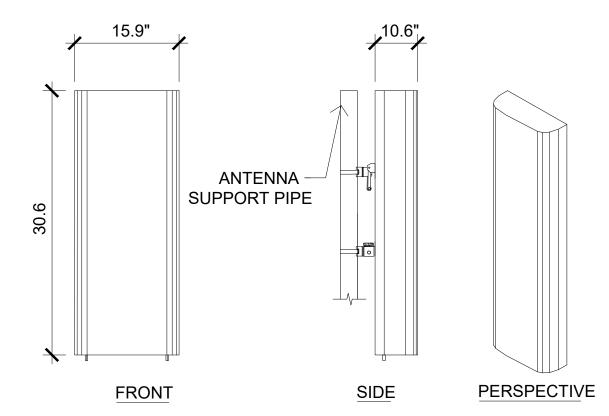
FRONT



SIDE

PERSPECTIVE

ANTENNA = ERICSSON - AIR6449 B77D = 81.5 LBS DIMENSIONS = 30.6" (H) x 15.9" (W) x 10.6" (D)



ANTENNA = ERICSSON - AIR6419 B77D = 44 LBS DIMENSIONS = 30.6" (H) x 15.9" (W) x 10.6" (D)

PROPOSED ANTENNA SPEC

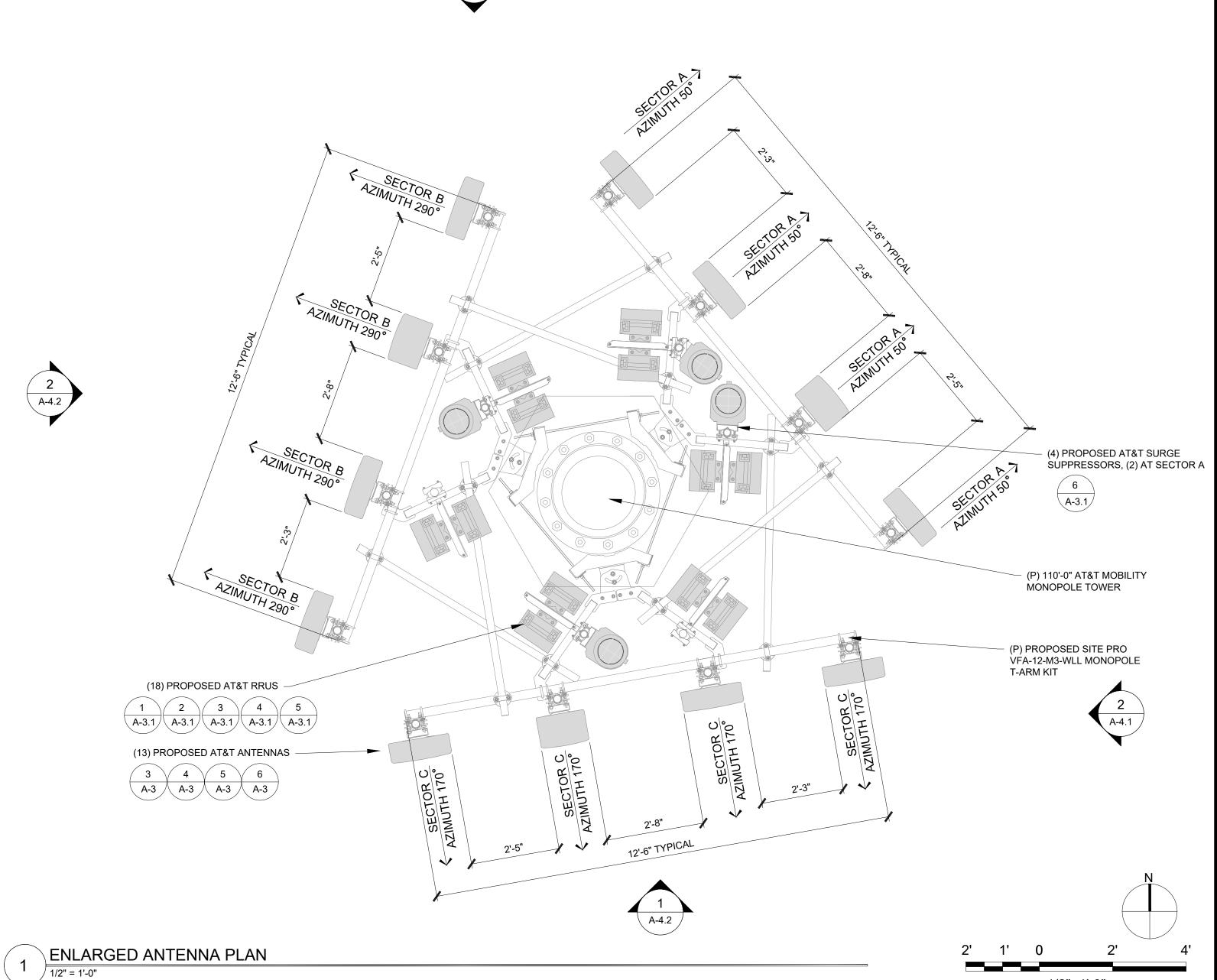
					RF SCHEDULE					
SE	CTOR	ANTENNA MODEL NO.	AZIMUTH	CENTERLINE	RRH	TMA	FIBER LENGTH	COAX LENGTH	JUMPER TYPE	RRU NO.
Α	A1	QUINTEL - QD8612-3D	50°	± 104'-0"	(1) 4449 B5/B12 / (1) 8843 B25/B66A	-	± 160'-0"	-	LDF4	(2)
L	A2	ERICSSON - AIR 6449 B77D +AIR 6419 B77G STACKED	50°	± 101'-6", 106'-6"	INTEGRATED	-	± 160'-0"	-	LDF4	-
Н	А3	QUINTEL - QD8612-2	50°	± 104'-0"	(1) 4478 B14 / (1) 8843 B25/B66A	-	± 160'-0"	-	LDF4	(2)
Α	A4	QUINTEL - QD868-2	50°	± 104'-0"	(1) 2012 B29 / (1) 4415 B30	-	± 160'-0"	-	LDF4	(2)
	B1	QUINTEL - QD8612-3D	270°	± 104'-0"	(1) 4449 B5/B12 / (1) 8843 B25/B66A	-	± 160'-0"	-	LDF4	(2)
B E	B2	ERICSSON - AIR 6449 B77D +AIR 6419 B77G STACKED	270°	± 101'-6", 106'-6"	INTEGRATED	-	± 160'-0"	-	LDF4	-
T A	ВЗ	QUINTEL - QD8612-2	270°	± 104'-0"	(1) 4478 B14 / (1) 8843 B25/B66A	-	± 160'-0"	-	LDF4	(2)
	B4	QUINTEL - QD868-2	270°	± 104'-0"	(1) 2012 B29 / (1) 4415 B30	-	± 160'-0"	-	LDF4	(2)
G	C1	QUINTEL - QD8612-3D	190°	± 104'-0"	(1) 4449 B5/B12 / (1) 8843 B25/B66A	-	± 160'-0"	-	LDF4	(2)
A M	C2	ERICSSON - AIR 6449 B77D +AIR 6419 B77G STACKED	190°	± 101'-6", 106'-6"	INTEGRATED	-	± 160'-0"	-	LDF4	-
М	C3	QUINTEL - QD8612-2	190°	± 104'-0"	(1) 4478 B14 / (1) 8843 B25/B66A	-	± 160'-0"	-	LDF4	(2)
A	C4	QUINTEL - QD868-2	190°	± 104'-0"	(1) 2012 B29 / (1) 4415 B30	-	± 160'-0"	-	LDF4	(2)

(4) DC9-48-60-24-8C-EV SQUIDS, (2) AT SECTOR A

RF SCHEDULE RF DATA SHEET 1, v3.00 DATED 08/11/2022

NOTE: ANTENNA POSITIONS ARE LEFT TO RIGHT FROM FRONT OF ANTENNA

EQUIPMENT IS PRELIMINARY AND SUBJECT TO CHANGE.



CVL01727

CHICAGO & OHIO

1229 OHIO AVENUE MODESTO, CA 95358 FA# 15541193 USID# 321109



5001 Executive Parkway San Ramon, California 94583

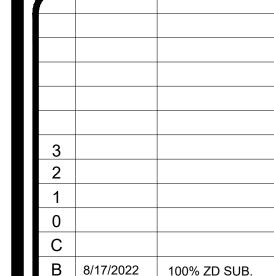


605 Coolidge Drive, Suite 100 Folsom, California 95630

AT&T SITE NO: CVL01727 PROJECT NO: 22-018

DRAWN BY: BW

CHECKED BY: BW



B 8/17/2022 100% ZD SUB. A 7/13/2022 90% ZD SUB. REV DATE DESCRIPTION

No. 2567 Exp. 12-31-23

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER TH DOCUMENT.

Designer / Engineer

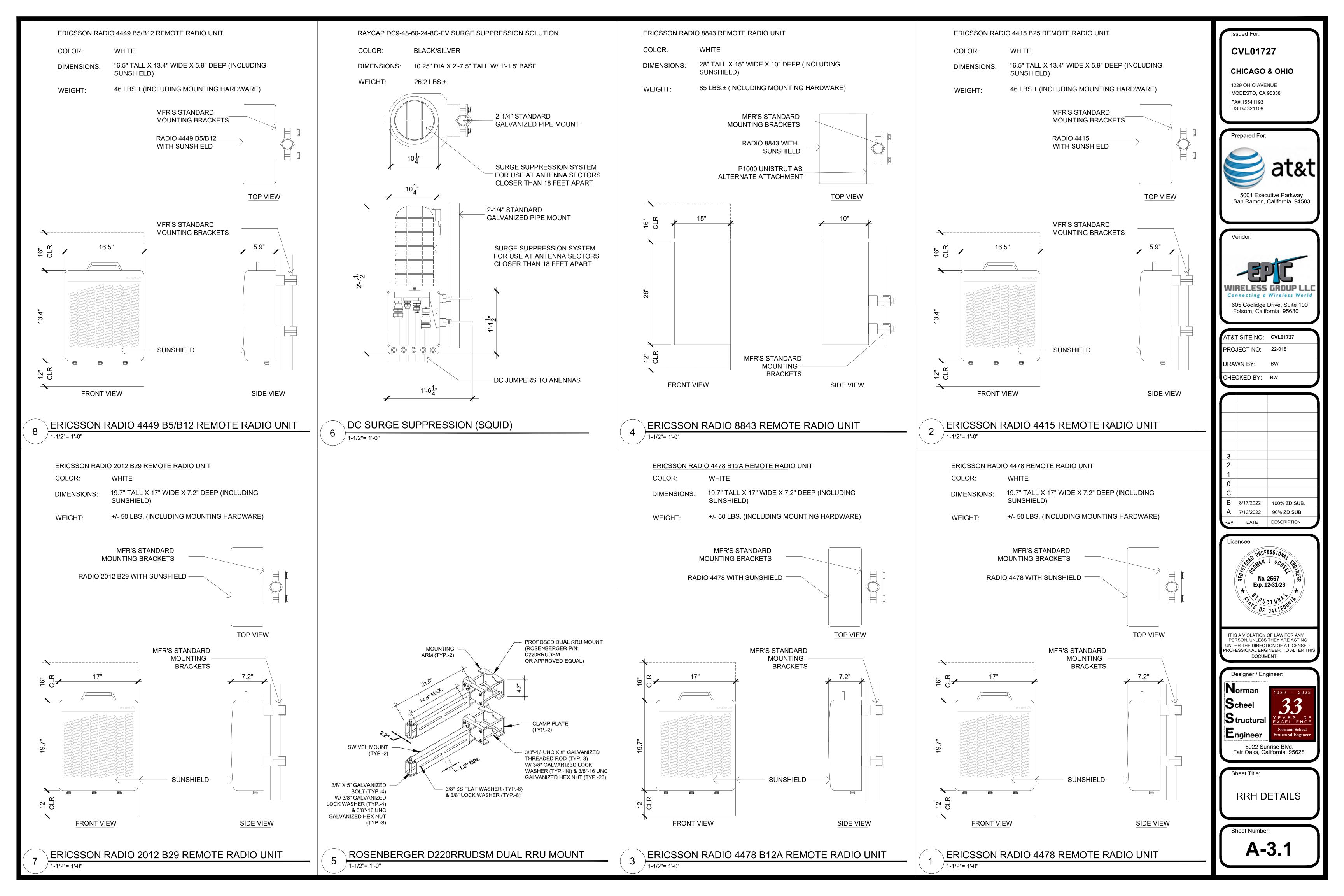
Otructural ngineer

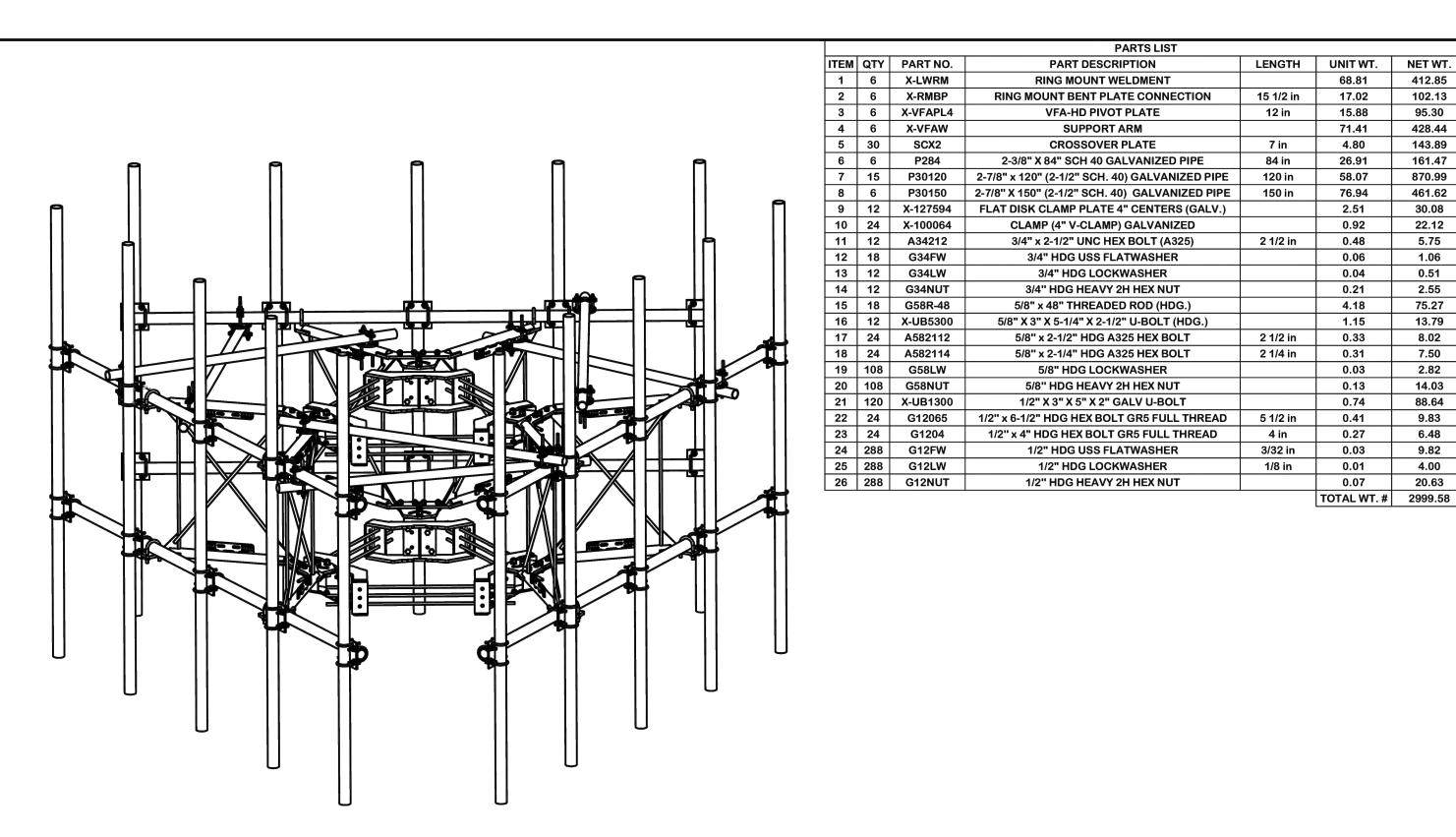
5022 Sunrise Blvd. Fair Oaks, California 95628

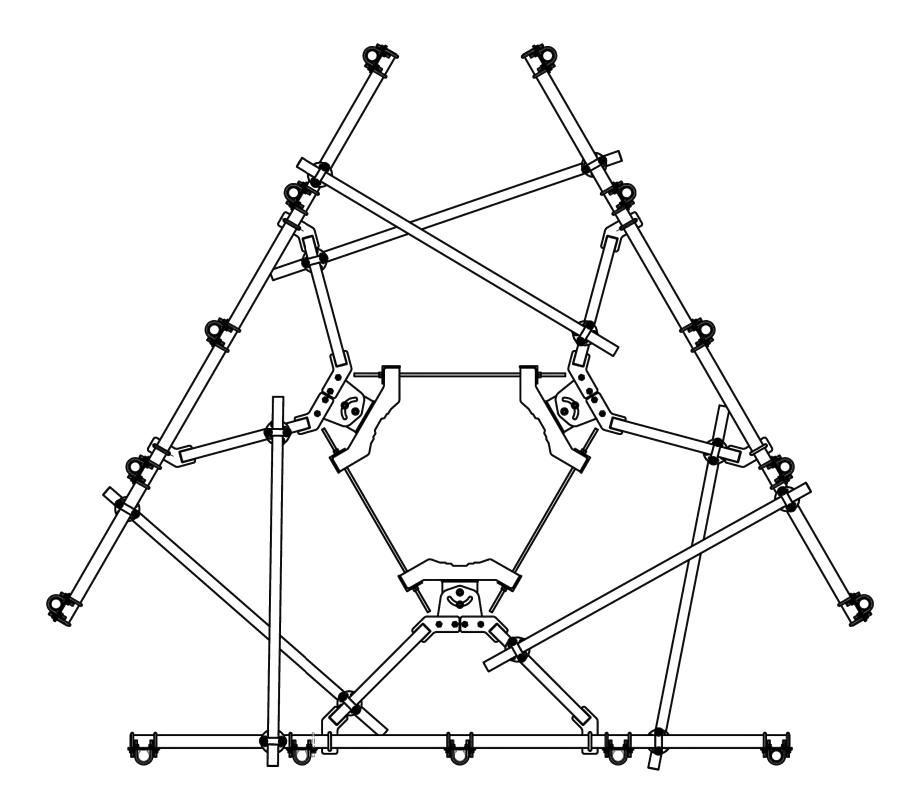
ANTENNA PLAN, SCHEDULE & DETAILS

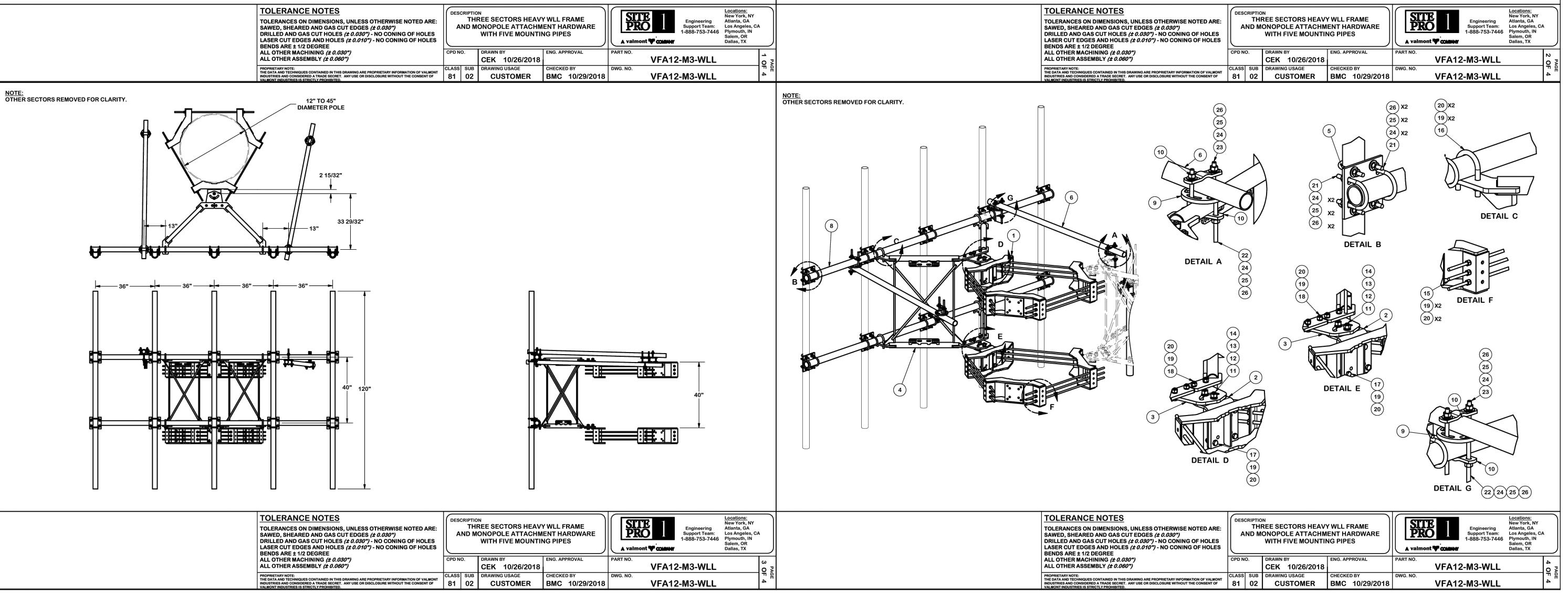
Sheet Number:

1/2"=1'-0"









102.13

95.30

428.44

143.89

161.47

461.62

0.51

13.79

2.82

14.03

88.64

9.83

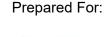
6.48

4.00

CVL01727

CHICAGO & OHIO

1229 OHIO AVENUE MODESTO, CA 95358 FA# 15541193 USID# 321109





5001 Executive Parkway San Ramon, California 94583



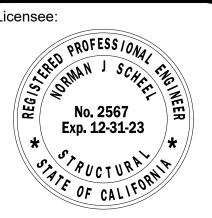


605 Coolidge Drive, Suite 100 Folsom, California 95630

AT&T SITE NO: CVL01727 PROJECT NO: 22-018 DRAWN BY: BW

CHECKED BY: BW

8/17/2022 100% ZD SUB. 7/13/2022 90% ZD SUB. DATE DESCRIPTION



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED ROFESSIONAL ENGINEER, TO ALTER TH DOCUMENT.

Designer / Engineer

tructural

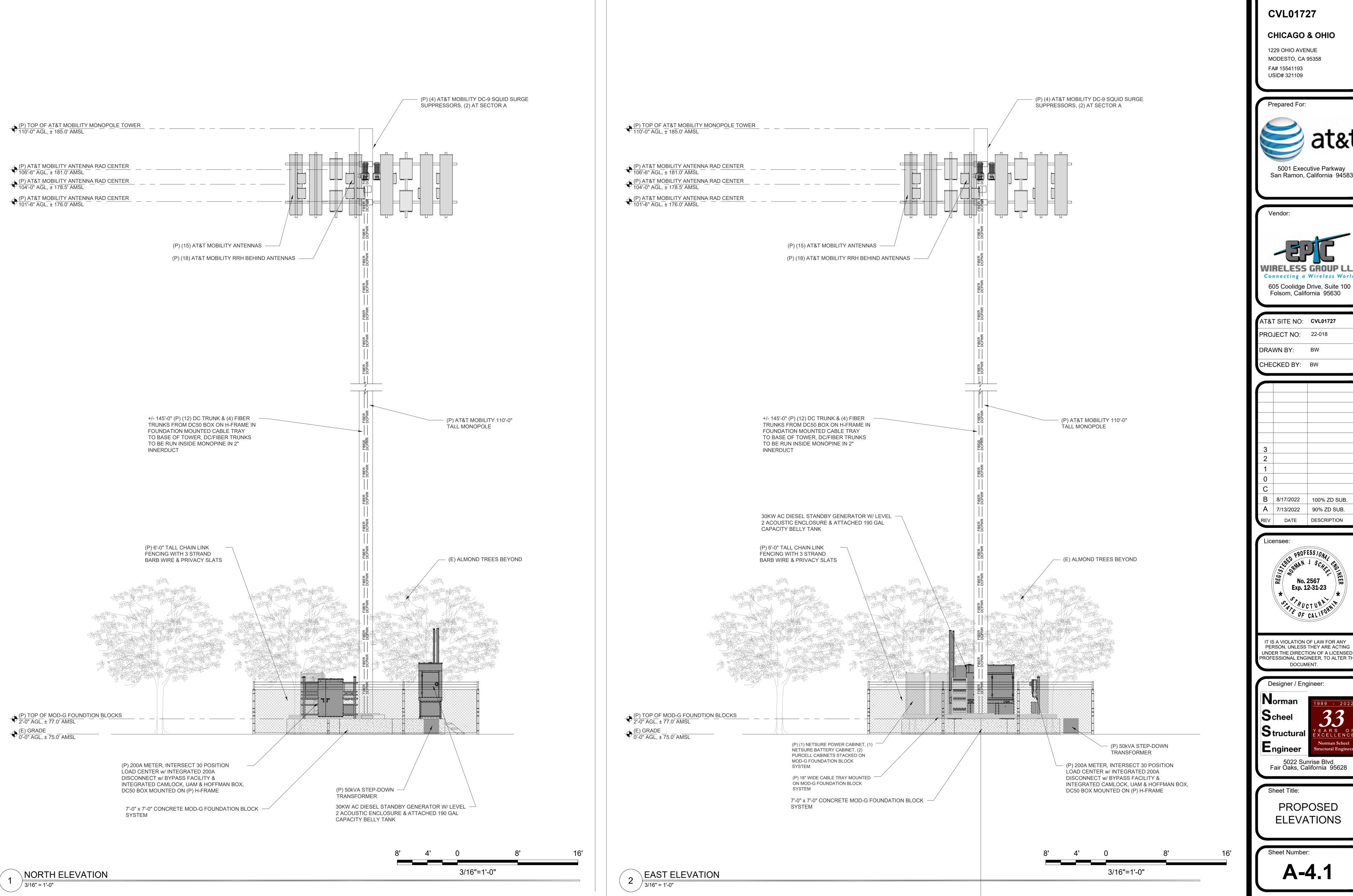
⊏ngineer

5022 Sunrise Blvd. Fair Oaks, California 95628

Sheet Title:

TOWER ARM DETAILS

Sheet Number:



CHICAGO & OHIO

1229 OHIO AVENUE MODESTO, CA 95358 FA# 15541193 USID# 321109

Prepared For:



5001 Executive Parkway San Ramon, California 94583



AT&T SITE NO: CVL01727

PROJECT NO: 22-018

DRAWN BY: BW

CHECKED BY: BW

B 8/17/2022 100% ZD SUB. A 7/13/2022 90% ZD SUB. REV DATE DESCRIPTION

Licensee:



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER TH DOCUMENT.

Designer / Engineer:

Otructural

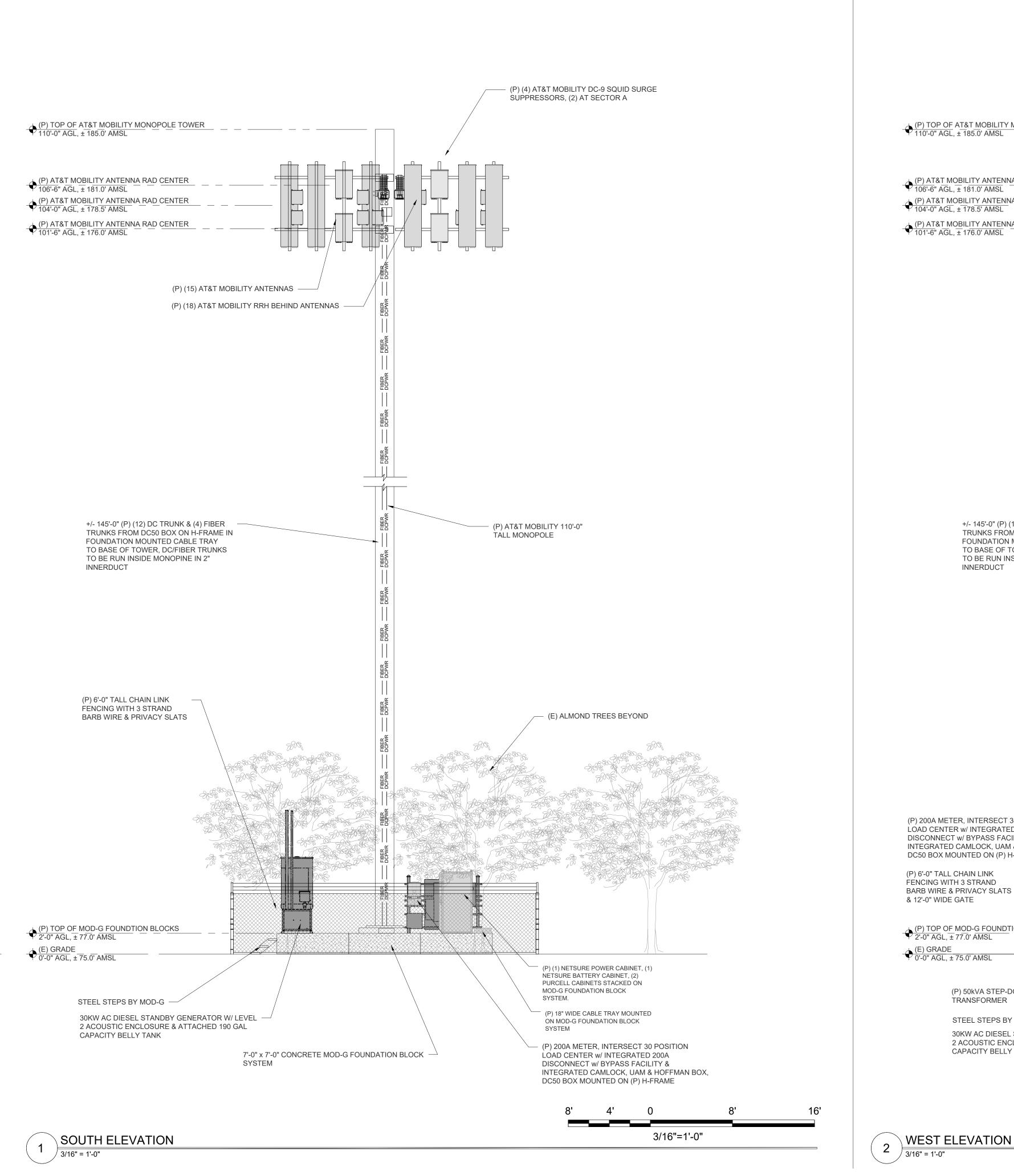
ngineer

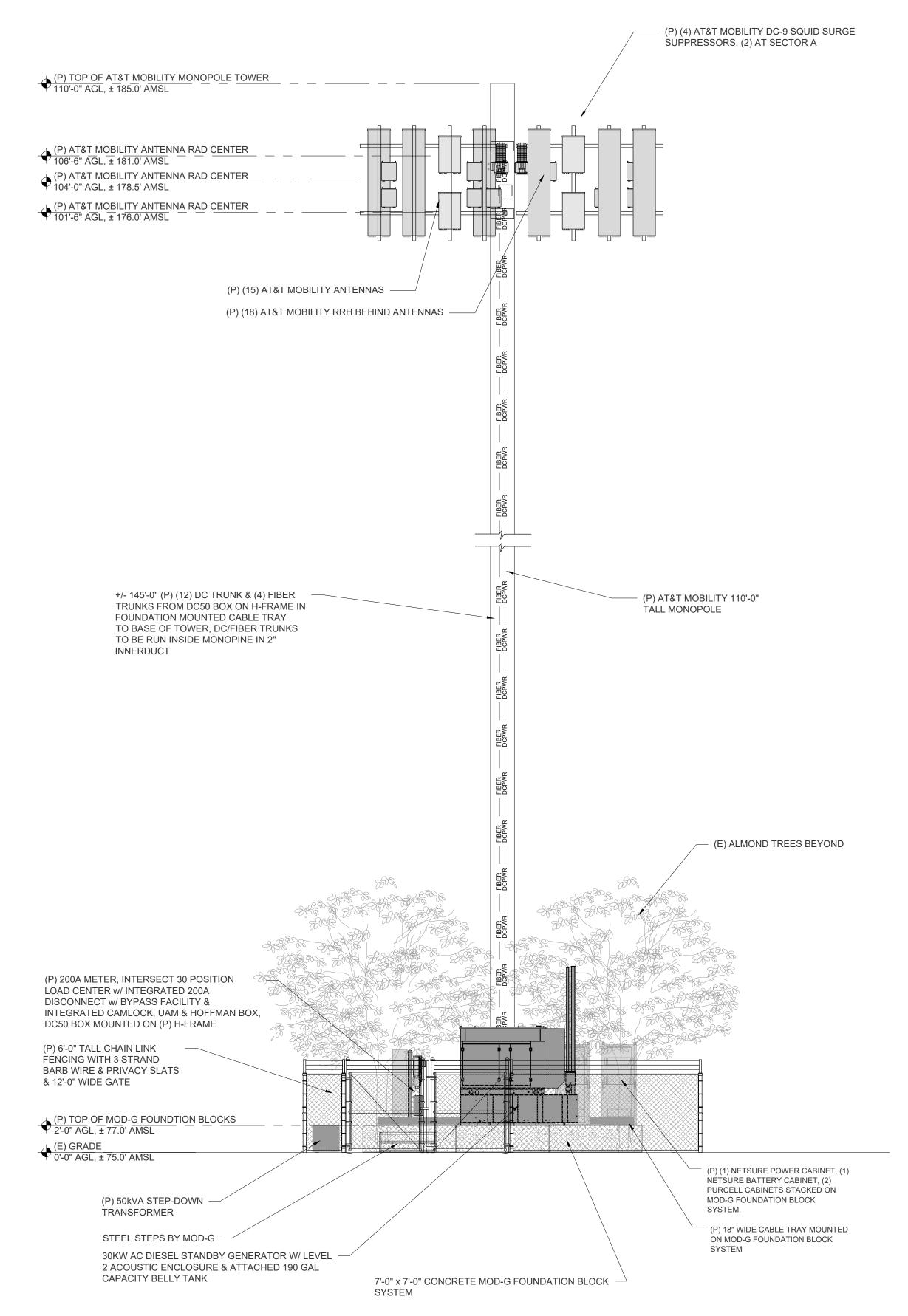
5022 Sunrise Blvd. Fair Oaks, California 95628

Sheet Title:

PROPOSED **ELEVATIONS**

Sheet Number:





CHICAGO & OHIO

1229 OHIO AVENUE MODESTO, CA 95358 FA# 15541193 USID# 321109

Prepared For:



5001 Executive Parkway San Ramon, California 94583



605 Coolidge Drive, Suite 100 Folsom, California 95630

AT&T SITE NO: CVL01727

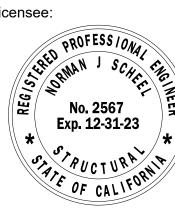
PROJECT NO: 22-018

DRAWN BY: BW

CHECKED BY: BW

B 8/17/2022 100% ZD SUB. A 7/13/2022 90% ZD SUB. REV DATE DESCRIPTION

Licensee:



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER TH DOCUMENT.

Designer / Engineer:

Otructural

ngineer

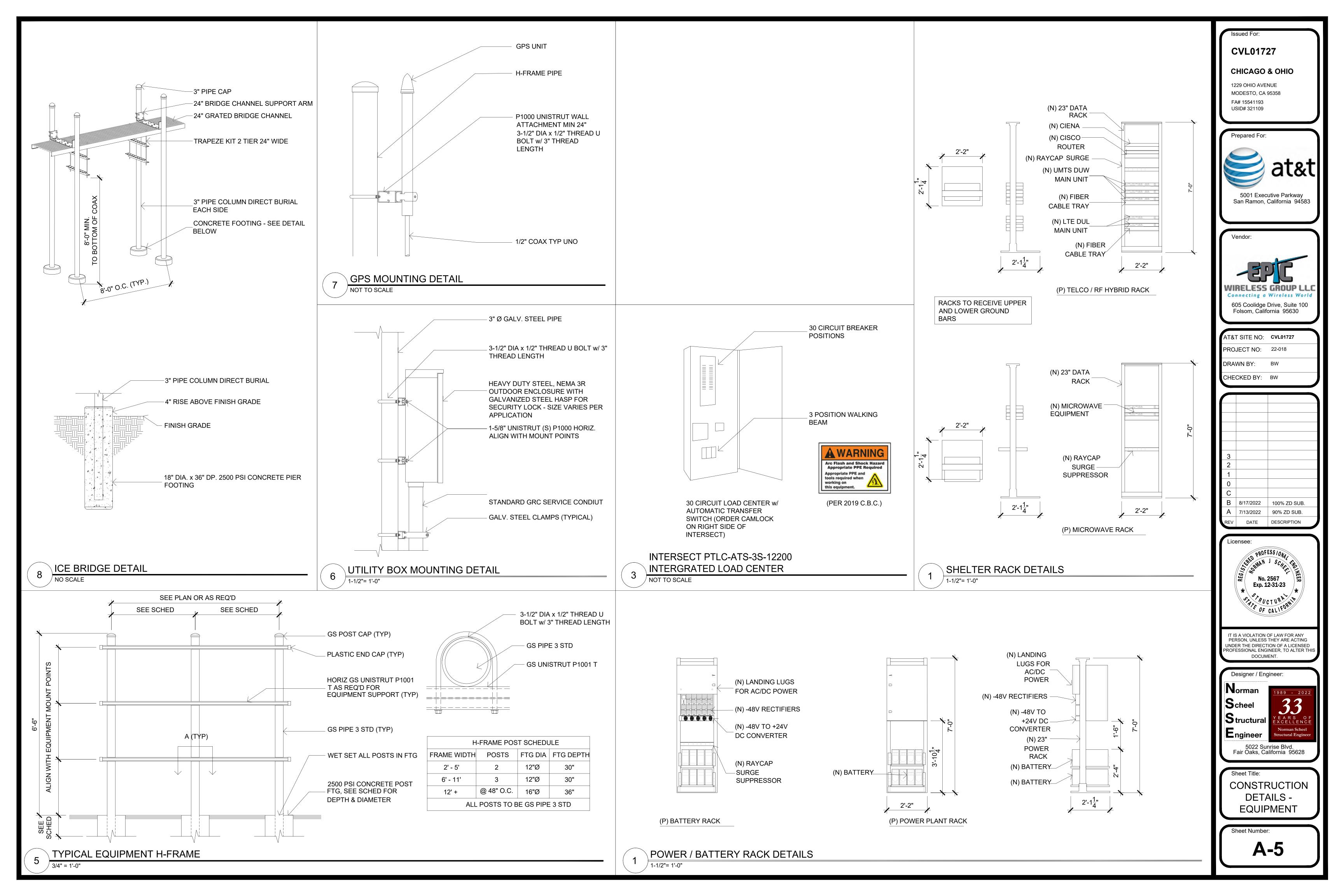
5022 Sunrise Blvd. Fair Oaks, California 95628

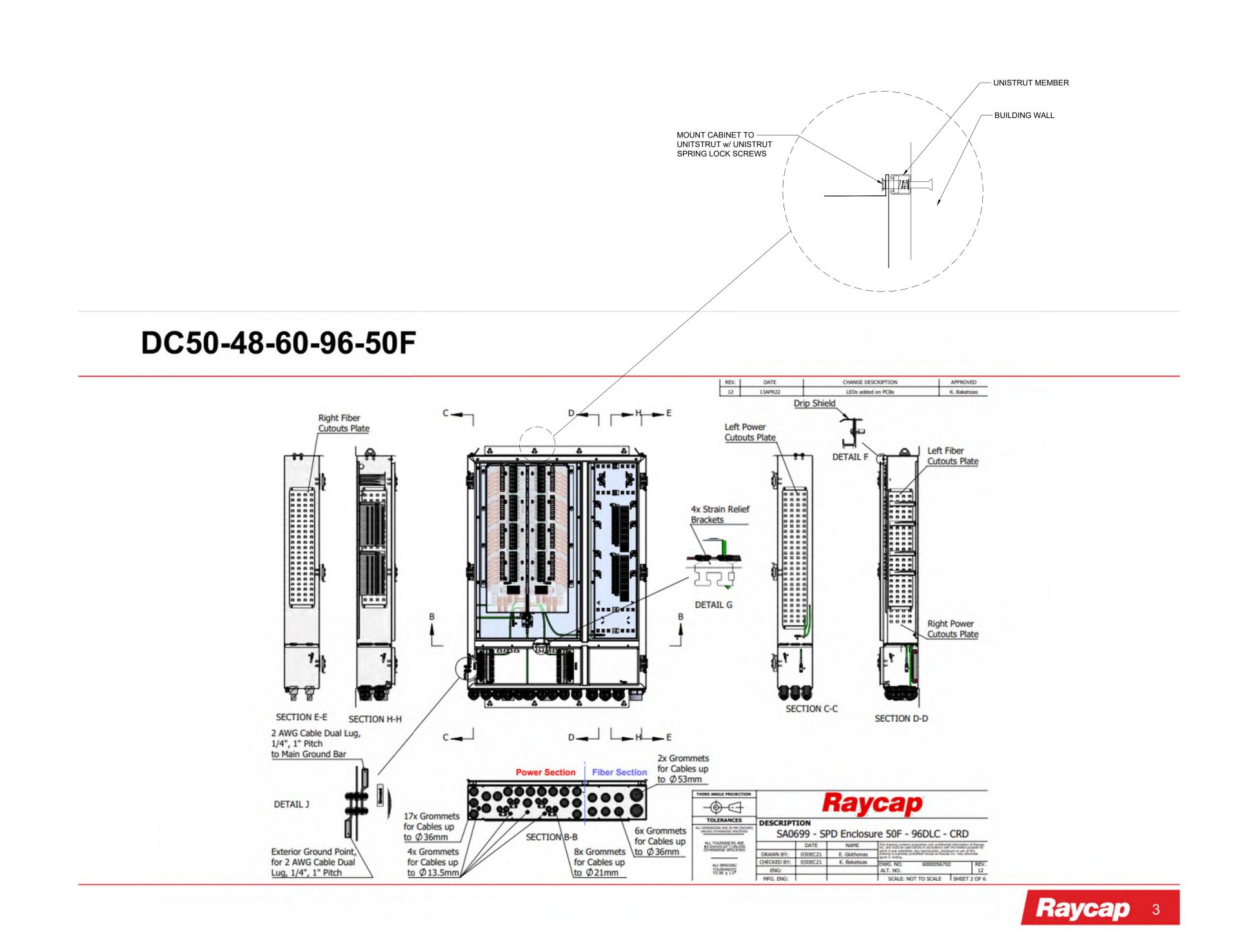
Sheet Title:

PROPOSED **ELEVATIONS**

Sheet Number:

3/16"=1'-0"





CHICAGO & OHIO

1229 OHIO AVENUE MODESTO, CA 95358 FA# 15541193 USID# 321109

Prepared For:





605 Coolidge Drive, Suite 100 Folsom, California 95630

AT&T SITE NO: CVL01727

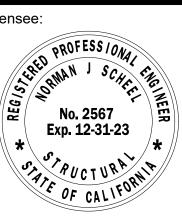
PROJECT NO: 22-018 DRAWN BY: BW

CHECKED BY: BW

B 8/17/2022 100% ZD SUB. A 7/13/2022 90% ZD SUB.

REV DATE DESCRIPTION

Licensee:



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER TH DOCUMENT.

Designer / Engineer:

I Vorman

Structural

Engineer

5022 Sunrise Blvd. Fair Oaks, California 95628

Sheet Title: CONSTRUCTION **DETAILS** -**EQUIPMENT**

Sheet Number:

A-5.1

DC50 BOX 1/4" = 1'-0"

ELECTRICAL NOTES

GENERAL REQUIREMENTS:

- 1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST RULES AND REGULATIONS OF THE NATIONAL ELECTRICAL CODE AND ALL STATE AND LOCAL CODES. NOTHING IN THESE PLANS OR SPECIFICATIONS SHALL BE CONSTRUED AS TO PERMIT WORK NOT CONFORMING TO THE MOST STRINGENT OF THESE CODES. SHOULD CHANGES BE NECESSARY IN THE DRAWINGS OR SPECIFICATIONS TO MAKE THE WORK COMPLY WITH THESE REQUIREMENTS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING AND CEASE WORK ON PARTS OF THE CONTRACT WHICH ARE
- 2. THE CONTRACTOR SHALL MAKE A SITE VISIT PRIOR TO BIDDING AND CONSTRUCTION TO VERIFY ALL EXISTING CONDITIONS AND SHALL NOTIFY ARCHITECT IMMEDIATELY UPON DISCOVERY OF ANY DISCREPANCIES. THE CONTRACTOR ASSUMES ALL LIABILITY FOR FAILURE TO COMPLY WITH THIS PROVISION.
- 3. THE EXTENT OF THE WORK IS INDICATED BY THE DRAWINGS, SCHEDULES, AND SPECIFICATIONS AND IS SUBJECT TO THE TERMS AND CONDITIONS OF THE CONTRACT. THE WORK SHALL CONSIST OF FURNISHING ALL LABOR, EQUIPMENT, MATERIALS, AND SUPPLIES NECESSARY FOR A COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM. THE WORK SHALL ALSO INCLUDE THE COMPLETION OF ALL ELECTRICAL WORK NOT MENTIONED OR SHOWN WHICH IS NECESSARY FOR SUCCESSFUL OPERATION OF ALL
- 4. THE CONTRACTOR SHALL PREPARE A BID FOR A COMPLETE AND OPERATIONAL SYSTEM, WHICH INCLUDES THE COST FOR MATERIAL AND LABOR.
- 5. WORKMANSHIP AND NEAT APPEARANCE SHALL BE AS IMPORTANT AS THE OPERATION.
 DEFECTIVE OR DAMAGED MATERIALS SHALL BE REPLACED OR REPAIRED PRIOR TO FINAL
 ACCEPTANCE IN A MANNER ACCEPTABLE TO OWNER AND ENGINEER.
- 6. COMPLETE THE ENTIRE INSTALLATION AS SOON AS THE PROGRESS OF THE WORK WILL PERMIT. ARRANGE ANY OUTAGE OF SERVICE WITH THE OWNER AND BUILDING MANAGER IN ADVANCE. MINIMIZE DOWNTIME ON THE BUILDING ELECTRICAL SYSTEM.
- 7. THE ENTIRE ELECTRICAL SYSTEM INSTALLED UNDER THIS CONTRACT SHALL BE DELIVERED IN PROPER WORKING ORDER. REPLACE, WITHOUT ADDITIONAL COST TO THE OWNER, ANY DEFECTIVE MATERIAL AND EQUIPMENT WITHIN ONE YEAR FROM THE DATE OF FINAL
- 8. ANY ERROR, OMISSION OR DESIGN DISCREPANCY ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION OR CORRECTION
- 9. "PROVIDE" INDICATES THAT ALL ITEMS ARE TO BE FURNISHED, INSTALLED AND CONNECTED IN PLACE.
- CONTRACTOR SHALL SECURE ALL NECESSARY BUILDING PERMITS AND PAY ALL REQUIRED FEES.

EQUIPMENT LOCATIONS:

- 1. THE DRAWINGS INDICATE DIAGRAMMATICALLY THE DESIRED LOCATIONS OR ARRANGEMENTS OF THE CONDUIT RUNS, OUTLETS, EQUIPMENT, ETC., AND ARE TO BE FOLLOWED AS CLOSELY AS PROPER JUDGEMENT MUST BE EXERCISED IN EXECUTING THE WORK SO AS TO SECURE THE BEST POSSIBLE INSTALLATION IN THE AVAILABLE SPACE LIMITATIONS OR INTERFERENCE OF STRUCTURE CONDITIONS ENCOUNTERED.
- 2. IN THE EVENT CHANGES IN THE INDICATED LOCATIONS OR ARRANGEMENTS ARE NECESSARY, DUE TO FIELD CONDITIONS IN THE BUILDING CONSTRUCTION OR REARRANGEMENT OF FURNISHINGS OR EQUIPMENT, SUCH CHANGES SHALL BE MADE WITHOUT COST, PROVIDING THE CHANGE IS ORDERED BEFORE THE CONDUIT RUNS, ETC., AND WORK DIRECTLY CONNECTED TO THE SAME IS INSTALLED AND NO EXTRA MATERIAL IS REQUIRED.
- 3. LIGHTING FIXTURES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS ONLY. COORDINATE THE FIXTURE LOCATION WITH MECHANICAL EQUIPMENT TO AVOID INTERFERENCE.
- 4. COORDINATE THE WORK OF THIS SECTION WITH THAT OF ALL OTHER TRADES, WHERE CONFLICTS OCCUR, CONSULT WITH THE RESPECTIVE CONTRACTOR AND COME TO AGREEMENT AS TO CHANGES NECESSARY, OBTAIN WRITTEN ACCEPTANCE FROM ENGINEER FOR THE PROPOSED CHANGES BEFORE PROCEEDING.

SHOP DRAWINGS:

1. N/A UNLESS NOTED OTHERWISE.

SUBSTITUTIONS:

1. NO SUBSTITUTIONS ARE ALLOWED.

TESTS:

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

PERMITS:

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

GROUNDING

- 1. THE CONTRACTOR SHALL PROVIDE A COMPLETE, AND APPROVED GROUNDING SYSTEM INCLUDING ELECTRODES, ELECTRODE CONDUCTOR, BONDING CONDUCTORS, AND EQUIPMENT CONDUCTORS AS REQUIRED BY ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE.
- 2. CONDUITS CONNECTED TO EQUIPMENT AND DEVICES SHALL BE METALLICALLY JOINED TOGETHER TO PROVIDE EFFECTIVE ELECTRICAL CONTINUITY.
- FEEDERS AND BRANCH CIRCUIT WIRING INSTALLED IN A NONMETALLIC CONDUIT SHALL INCLUDE A CODE SIZED GROUNDING CONDUCTOR HAVING GREEN INSULATION. THE GROUND CONDUCTOR SHALL BE PROPERLY CONNECTED AT BOTH ENDS TO MAINTAIN ELECTRICAL CONTINUITY.
- 4. REFER TO GROUND BUS DETAILS. PROVIDE NEW GROUND SYSTEM COMPLETE WITH CONDUCTORS, GROUND ROD AND DESCRIBED TERMINATIONS.
- 5. ALL GROUNDING CONDUCTORS SHALL BE SOLID TINNED COPPER AND ANNEALED #2 UNLESS NOTED OTHERWISE.
- 6. ALL NON-DIRECT BURIED TELEPHONE EQUIPMENT GROUND CONDUCTORS SHALL BE #2 STRANDED THHN (GREEN) INSULATION.
- 7. ALL GROUND CONNECTIONS SHALL BE MADE WITH "HYGROUND" COMPRESSION SYSTEM BURNDY CONNECTORS EXCEPT WHERE NOTED OTHERWISE.
- 8. PAINT AT ALL GROUND CONNECTIONS SHALL BE REMOVED.
- 9. GROUNDING SYSTEM RESISTANCE SHALL NOT EXCEED 5 OHMS. IF THE RESISTANCE VALUE IS EXCEEDED, NOTIFY THE OWNER FOR FUTURE INSTRUCTION ON METHODS FOR REDUCING THE RESISTANCE VALUE. SUBMIT TEST REPORTS AND FURNISH TO SMART SMR ONE COMPLETE SET OF PRINTS SHOWING "INSTALLED WORK".

UTILITY SERVICE:

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

PRODUCTS:

- 1. ALL MATERIALS SHALL BE NEW, CONFORMING WITH NEC, ANSI, NEMA, AND THEY SHALL BE U.L. LISTED AND LABELED.
- 2. CONDUI
 - A) RIGID CONDUIT SHALL BE U.L. LABEL GALVANIZED ZINC COATED WITH ZINC INTERIOR AND SHALL BE USED WHEN INSTALLED IN OR UNDER CONCRETE SLABS, IN CONTACT WITH THE EARTH, UNDER PUBLIC ROADWAYS, IN MASONRY WALLS OR EXPOSED ON BUILDING EXTERIOR, RIGID CONDUIT IN CONTACT WITH EARTH SHALL BE 1/2 LAPPED WRAPPED WITH HUNTS WRAP PROCESS NO. 3.
 - B) ELECTRICAL METALLIC TUBING SHALL U.L. LABEL, FITTINGS SHALL BE COMPRESSION TYPE. EMT SHALL BE USED ONLY FOR INTERIOR RUNS.
 - C) FLEXIBLE METALLIC CONDUIT SHALL HAVE U.L. LISTED LABEL AND MAY BE USED WHERE PERMITTED BY CODE. FITTINGS SHALL BE "JAKE" OR "SQUEEZE" TYPE. SEAL TIGHT FLEXIBLE CONDUIT. ALL CONDUIT EXCESS OF SIX FEET IN LENGTH SHALL HAVE FULL SIZE GROUND WIRE.
 - D) CONDUIT RUNS MAY BE SURFACE MOUNTED IN CEILING OR WALLS UNLESS INDICATED OTHERWISE. CONDUIT INDICATED SHALL RUN PARALLEL OR AT RIGHT ANGLES TO CEILING, FLOOR OR BEAMS. VERIFY EXACT ROUTING OF ALL EXPOSED CONDUIT WITH ARCHITECT PRIOR TO INSTALLING.
 - E) ALL UNDERGROUND CONDUITS SHALL BE PVC SCHEDULE 40 (UNLESS NOTED OTHERWISE) AT A MINIMUM DEPTH OF 24" BELOW GRADE
 - F) ALL CONDUIT ONLY (C.O.) SHALL HAVE PULL ROPE.
 - G) CONDUITS RUN ON ROOFS SHALL BE INSTALLED ON 4x4 REDWOOD SLEEPERS, 6'-0" ON CENTER, SET IN NON-HARDENING MASTIC.
- 3. ALL WIRE AND CABLE SHALL BE COPPER, 600 VOLT, #12 AWG MINIMUM UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS. CONDUCTORS #10 AWG AND SMALLER SHALL BE SOLID. CONDUCTORS #8 AWG AND LARGER SHALL BE STRANDED. TYPE THHN INSULATION USED UNLESS CONDUCTORS INSTALLED IN CONDUIT EXPOSED TO WEATHER, IN WHICH CASE TYPE THWN INSULATION SHALL BE USED.
- 4. PROVIDE GALVANIZED COATED STEEL BOXES AND ACCESSORIES SIZED PER CODE TO ACCOMMODATE ALL DEVICES AND WIRING.
- 5. DUPLEX RECEPTACLES SHALL BE SPECIFICATION GRADE WITH WHITE FINISH (UNLESS NOTED BY ENGINEER), 20 AMP, 125 VOLT, THREE WIRE GROUNDING TYPE, NEMA 5-20R. MOUNT RECEPTACLE AT +12" ABOVE FINISHED FLOOR UNLESS OTHERWISE INDICATED ON DRAWINGS OR DETAILS. WEATHERPROOF RECEPTACLES SHALL BE GROUND FAULT INTERRUPTER TYPE WITH SIERRA #WPD-8 LIFT COVER PLATES.
- 6. TOGGLE SWITCHES SHALL BE 20 AMP, 120 VOLT AC, SPECIFICATION GRADE WHITE (UNLESS NOTED OTHERWISE) FINISH. MOUNT SWITCHES AT+48" ABOVE FINISHED FLOOR.
- 7. PANEL BOARDS SHALL BE DEAD FRONT SAFETY TYPE WITH ANTI-BURN SOLDERLESS COMPRESSION APPROVED FOR COPPER CONDUCTORS, COPPER BUS BARS, FULL SIZED NEUTRAL BUS, GROUND BUS AND EQUIPPED WITH QUICK-MAKE QUICK-BREAK BOLT-IN TYPE THERMAL MAGNETIC CIRCUIT BREAKERS. MOUNT TOP OF THE PANEL BOARD AT 6'-3" ABOVE FINISH FLOOR. PROVIDE TYPE WRITTEN CIRCUIT DIRECTORY.
- ALL CIRCUIT BREAKERS, MAGNETIC STARTERS, AND OTHER ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTING RATING NOT LESS THAN THE MAXIMUM SHORT CIRCUIT CURRENT TO WHICH THEY BE SUBJECTED.
- 9. GROUND RODS SHALL BE COPPER CLAD STEEL, 5/8" DIA. ROUND AND 10'-0" LONG. COPPERWELD OR APPROVED EQUAL.

INSTALLATION:

- PROVIDE SUPPORTING DEVICES FOR ALL ELECTRICAL EQUIPMENT, FIXTURES, BOXES, PANEL, ETC.. SUPPORT LUMINARIES FROM THE UNDERSIDE OF STRUCTURAL CEILING. EQUIPMENT SHALL BE BRACED TO WITHSTAND HORIZONTAL FORCES I ACCORDANCE WITH STATE AND LOCAL CODE REQUIREMENTS. PROVIDE PRIOR ALIGNMENT AND LEVELING OF ALL DEVICES AND FIXTURES.
- 2. CUTTING, PATCHING, CHASES, OPENINGS: PROVIDE LAYOUT IN ADVANCE TO ELIMINATE UNNECESSARY CUTTING OR DRILLING OF WALLS, FLOORS, CEILINGS, AND ROOFS. ANY DAMAGE TO BUILDING STRUCTURE OR EQUIPMENT SHALL BE REPAIRED BY THE CONTRACTOR. OBTAIN PERMISSION FROM THE ENGINEER BEFORE CORING.
- 3. IN DRILLING HOLES INTO THE CONCRETE WHETHER FOR FASTENING OR ANCHORING PURPOSES, OR PENETRATIONS THROUGH THE FLOOR FOR CONDUIT RUNS, PIPE RUNS, ETC., IT MUST BE CLEARLY UNDERSTOOD THAT TENDONS AND/OR REINFORCING STEEL WILL NOT BE DRILLED INTO, CUT OR DAMAGED UNDER ANY CIRCUMSTANCES.
- 4. LOCATION OF TENDONS AND/OR REINFORCING STEEL ARE NOT DEFINITELY KNOWN AND THEREFORE, MUST BE SEARCHED FOR BY APPROPRIATE METHODS AND EQUIPMENT VIA X-RAY OR OTHER DEVICES THAT CAN ACCURATELY LOCATE THE REINFORCING AND/OR STEEL TENDONS.
- 5. PENETRATIONS IN FIRE RATED WALLS SHALL BE FIRE STOPPED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT C.B.C.

PROJECT CLOSEOUT:

- 1. UPON COMPLETION OF WORK, CONDUCT CONTINUITY, SHORT CIRCUIT, AND FALL POTENTIAL GROUNDING TESTS FOR APPROVAL. SUBMIT TEST REPORTS TO PROJECT MANAGER. CLEAN PREMISES OF ALLS DEBRIS RESULTING FROM WORK AND LEAVE WORK IN A COMPLETE AND UNDAMAGED CONDITION.
- 2. PROVIDE PROJECT MANAGER WITH ONE SET OF COMPLETE ELECTRICAL "AS INSTALLED" DRAWINGS AT THE COMPLETION OF THE JOB, SHOWING ACTUAL DIMENSIONS, ROUTINGS AND CIRCUITS.
- 3. ALL BROCHURES, OPERATING MANUALS, CATALOG, SHOP DRAWINGS, ETC., SHALL BE TURNED OVER TO OWNER AT JOB COMPLETION.

GROUNDING NOTES:

8. GROUND BARS:

- 1. ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL GROUNDING INSTALLATION REQUIREMENTS AND CONSTRUCTION ACCORDING TO SITE CONDITIONS. AT&T'S GROUNDING SPECIFICATIONS NUMBER ATT-TP-76416 (CHAPTER 7), AND MANUFACTURER SPECIFICATION
- 2. ALL GROUNDING CONDUCTORS: #2 AWG SOLID BARE TINNED COPPER WIRE UNLESS
- 3. GROUND BAR LOCATED IN BASE OF EQUIPMENT WILL BE PROVIDED, FURNISHED AND INSTALLED BY THE VENDOR.
- 4. ALL BELOW GRADE CONNECTIONS: EXOTHERMIC WELD TYPE, ABOVE GRADE CONNECTIONS: EXOTHERMIC WELD TYPE.
- 5. GROUND RING SHALL BE LOCATED A MINIMUM OF 24" BELOW GRADE OR 6" MINIMUM BELOW THE FROST LINE.
- 6. INSTALL GROUND CONDUCTORS AND GROUND ROD MINIMUM OF 1'-0" FROM EQUIPMENT CONCRETE SLAB, SPREAD FOOTING, OR FENCE.
- 7. EXOTHERMIC WELD GROUND CONNECTION TO FENCE POST: TREAT WITH A COLD
- GALVANIZED SPRAY.
 - A) EQUIPMENT GROUND BUS BAR (EGB) LOCATED AT THE BOTTOM OF ANTENNA POLE/MAST FOR MAKING GROUNDING JUMPER CONNECTIONS TO COAX FEEDER CABLES SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. JUMPERS (FURNISHED BY OWNERS) SHALL BE INSTALLED AND CONNECTED BY ELECTRICAL CONTRACTOR.
- 9. ALL GROUNDING INSTALLATIONS AND CONNECTIONS SHALL BE MADE BY ELECTRICAL CONTRACTOR.
- 10. OBSERVE N.E.C. AND LOCAL UTILITY REQUIREMENTS FOR ELECTRICAL SERVICE GROUNDING.
- 11. GROUNDING ATTACHMENT TO TOWER SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS OR AT GROUNDING POINTS PROVIDED (2 MINIMUM).
- 12. IF EQUIPMENT IS IN A C.L. FENCE ENCLOSURE, GROUND ONLY CORNER POSTS AND SUPPORT POSTS OF GATE. IF CHAIN LINK LID IS USED, THEN GROUND LID ALSO.
- 13. GROUNDING AT PPC CABINET SHALL BE VERTICALLY INSTALLED.
- 14. ALL GROUNDING FOR ANTENNAS SHALL BE CONNECTED SO THAT IT WILL BY-PASS MAIN BUSS BAR.
- 15. ALL EMT RUNS SHALL BE GROUNDED AND HAVE A BUSHING, NO PVC ABOVE GROUND.
- 16. USE SEPARATE HOLES FOR GROUNDING AT BUSS BAR. NO "DOUBLE-UP" OF LUGS.
- 17. POWER AND TELCO CABINETS SHALL BE GROUNDED (BONDED) TOGETHER.
- 18. NO LB'S ALLOWED ON GROUNDING.
- 19. PROVIDE STAINLESS STEEL CLAMP AND BRASS TAGS ON COAX AT ANTENNAS AND DOGHOUSE.

Issued For:

CVL01727

CHICAGO & OHIO

1229 OHIO AVENUE MODESTO, CA 95358 FA# 15541193 USID# 321109

Prepared For:



5001 Executive Parkway San Ramon, California 94583

Vendor:



605 Coolidge Drive, Suite 100

Folsom, California 95630

AT&T SITE NO: CVL01727
PROJECT NO: 22-018

DRAWN BY: BW

CHECKED BY: BW

REV DATE DESCRIPTION



B | 8/17/2022 | 100% ZD SUB.

A | 7/13/2022 | 90% ZD SUB.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER TH DOCUMENT.

Designer / Engineer:

Norman

Structural

Structural Engine
5022 Sunrise Blvd.

Fair Oaks, California 95628

Sheet Title:

GENERAL ELECTRICAL NOTES

Sheet Number:

E-1

ELECTRICAL INSTALLATION METHODS:

This installation shall comply with the currently adopted edition of

- 1. the National Electrical Code and with utility company and local code
- 2. Install sufficient lengths of LFMC including all conduit fittings (nuts, reducing bushings, elbows, couplings, etc) necessary for connection from IMC or PVC conduit to the interior of the BTS cabinet.
- 3. Power, control and equipment ground wiring in tubing or conduit shall be single conductor (#14 AWG and larger), 600V, oil resistant THHN or THWN-2, Class B stranded copper cable rated for 90°C (wet and dry) operation; listed or labeled for the location and raceway system used. 4. Cut, coil and tape a 3 foot pigtail from end of LFMC for terminating by BTS equipment manufacturer.
- 5. Supplemental equipment ground wiring located indoors shall be single conductor (#6 AWG and larger), 600V, oil resistant THHN or THWN-2 green insulation, Class B stranded copper cable rated for 90°C (wet and dry) operation, listed or labeled for the location and raceway system used.
- 6. Supplemental equipment ground wiring located outdoors or below grade shall be single conductor #2 AWG solid, tinned, copper cable. 7. Power and control wiring, not in tubing or conduit, shall be
- multi-conductor, Type TC. Cable (#14 AWG and larger), 600V, oil resistant THHN or THWN-2, Class B, Stranded copper cable rated for 90°C (Wet or Dry) operation, with outer jacket listed or labeled for the location used.
- 8. Cables shall not be routed through ladder-style cable tray rungs. 9. Raceway and cable tray shall be listed or labeled for electrical use in
- accordance with NEMA, UL, ANSI/IEEE and NEC. 10. New raceway or cable tray shall match the existing installation where possible.
- 11. All power and grounding connections shall be crimp style, compression, wire lugs and wirenuts by Thomas and Betts (or equal). Lugs and wirenuts shall be rated for operation at no less than 75°C.
- 12. Each end of every power, grounding and T1 conductor and cable shall be labeled with color coded insulation or electrical tape. The identification method shall conform with NEC & OSHA and match existing installation requirements.
- 13. All electrical components shall be clearly labeled with engraved laminated plastic labels. All equipment shall be labeled with their voltage rating, phase configuration, wire configuration, power or ampacity rating and branch circuit ID numbers (panelboard and circuit identification). 14. All tie wraps shall be cut flush with approved cutting tool to remove sharp edges.

PANEL SCHEDULE

SINGLE LINE DIAGRAM

- 15. Rigid nonmetallic conduit (PVC Schedule 40 or PVC Schedule 80) shall be used underground, direct buried in areas of occasional light vehicle traffic or encased in reinforced concrete in areas of heavy vehicle
- 16. All conduit run above ground or exposed shall be LFMC, IMC or Rigid 17. Electrical metallic tubing (EMT) shall be used for concealed indoor
- 18. Liquid tight flexible metallic conduit shall be used indoors and
- outdoors where vibration occurs or flexibility is needed. 19. Conduit and tubing fittings shall be threaded or compression type and approved for the location used. Setscrew fittings are not acceptable. 20. Cabinets, boxes and wireways shall be listed or labeled for electrical
- use in accordance with NEMA, UL, ANSI/IEEE and NEC. 21. Cabinets, boxes and wireways shall match the existing installation
- 22. Provide necessary tagging on the breakers, cables and distribution panels in accordance with applicable codes and standards to safeguard
- 23. The subcontractor shall review and inspect the existing facility grounding system and lightning protection system (as designed and installed) for strict compliance with the NEC. The site specific lightning protection code and general compliance with Telcordia and TIA grounding standards. The subcontractor shall report any violations or adverse findings to the contractor for resolution.
- 24. All electrode systems (including telecommunication, radio, lightning protection and AC power GES's) shall be bonded together at or below grade by two or more copper bonding conductors in accordance with the
- 25. Perform IEEE fall-of-potential resistance to earth testing (per IEEE 1100 and 81) for new ground electrode systems. The subcontractor shall furnish and install supplemental ground electrodes as needed to achieve a test result of 5 ohms or less.
- 26. Metal raceway shall not be used as the NEC required equipment ground conductor. Stranded copper conductors with green insulation sized in accordance with the NEC shall be furnished and installed with the power circuits to BTS equipment.
- 27. Each indoor BTS cabinet frame shall be directly connected to the master ground bar with supplemental equipment ground wires #6 or
- 28. Exothermic welds shall be used for all grounding connections below 29. Approved antioxidant coatings (i.e. conductive gel or paste) shall be
- used on all compression and bolted ground connections. 30. ICE bridge bonding conductors shall be exothermically bonded or
- bolted to the bridge and the tower ground bar. 31. Surfaces to be connected to ground conductors shall be cleaned to a
- bright surface at all connections. 32. Exposed ground connections shall be made with compression connectors which are then bolted to equipment using stainless steel hardware. Installation torque shall be per manufacturer's requirements. 33. DC power cables shall be Cobra COP-FLEX 2000, Flexible Class B

PANEL SCHEDULE

NAMEPLATE: PANEL A						SC LEVEL: 22,000					VOLTS: 120/240V, 1Ø, 3W			
LOCATION	N: AT&T SIT	E									BUS AMPS: 200A			
MOUNTIN	G: WALL										MAIN CB: 200A			
ØA	ØB											ØA	ØB	
LOAD VA	LOAD VA	CONT.	LOAD DES	CRIPTION	BKR AMP/ POLE	CIRO NO.	CUIT	BKR AMP/ POLE	CONT.	LOAD	DESCRIPTION	LOAD VA	LOAD VA	
1,320	-	Y	RECTI	FIER #1	30/2	01	02	30/2	Y	RE	ECTIFIER #4	1,320	-	
-	1,320	Y	RECTI	FIER #1	-	03	04	-	Y	RE	ECTIFIER #4	-	1,320	
1,320	-	Y	RECTI	FIER #2	30/2	05	06	30/2	Y	RE	ECTIFIER #5	1,320	-	
-	1,320	Y	RECTI	FIER #2	-	07	08	-	Y	RE	ECTIFIER #5	-	1,320	
1,320	-	Y	RECTI	FIER #3	30/2	09	10	30/2	Y	RE	RECTIFIER #6		-	
-	1,320	Y	RECTI	FIER #3	-	11	12	-	Y	RE	ECTIFIER #6	-	1,320	
1,320	-	Y	RECTI	FIER #7	30/2	13	14	30/2	Y	RE	ECTIFIER #10	1,320	-	
-	1,320	Y	RECTI	FIER #7	-	15	16	-	Y	RE	ECTIFIER #10	-	1,320	
1,320	-	Y	RECTI	FIER #8	30/2	17	18	30/2	Y	RE	ECTIFIER #11	1,320	-	
-	1,320	Y	RECTI	FIER #8	-	19	20	-	Y	RE	ECTIFIER #11	-	1,320	
1,320	-	Y	RECTI	FIER #9	30/2	21	22	-	N	SP	ACE	1,320	-	
-	1,320	Y	RECTI	FIER #9	-	23	24	20/1	Y	GF	CI RECEPTACLE	-	300	
1,600	-	Y	HVAC	1	20/2	25	26	20/1	Y	EX	TERIOR LIGHT	300	-	
-	1,600	Y	HVAC	1	-	27	28	20/1	Y	BATTERY HEATER BLOCK		-	1,000	
180	-	N	GFCI I	RECEPTACLE		29	30	20/1	Y	BA	ATTERY CHARGER BLOCK	250	-	
9,700	9,520	I	PHASE TOTALS								PHASE TOTALS	8,470	6,900	
TOTAL VA	$\Lambda = 34,590 VA$	λ.		TOTAL AMPS = 144	·A		l							

ABBREVIATIONS:

BARE COPPER WIRE BASE TRANSCEIVER STATION

CONDUIT

EXISTING EQUIPMENT GROUND

FUTURE

FIRE ALARM CONTROL PANEL GENERATOR

ISOLATED GROUND

INTERMEDIATE METAL CONDUIT LIQUID TIGHT FLEXIBLE METAL CONDUIT

MILLION CIRCULAR MILLS

MECHANICAL INTERLOCK

MP&S SEE MECHANICAL PLANS & SPECIFICATIONS

(N)

NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION NIGHT LIGHT - FIXTURE TO BE UNSWITCHED

PROVISION FOR FUTURE BREAKER

POLYVINYL CHLORIDE CONDUIT RELOCATE

RELAY TO MONITOR GENERATOR POWER **RELAY TO MONITOR UTILITY POWER**

TYP TYPICAL

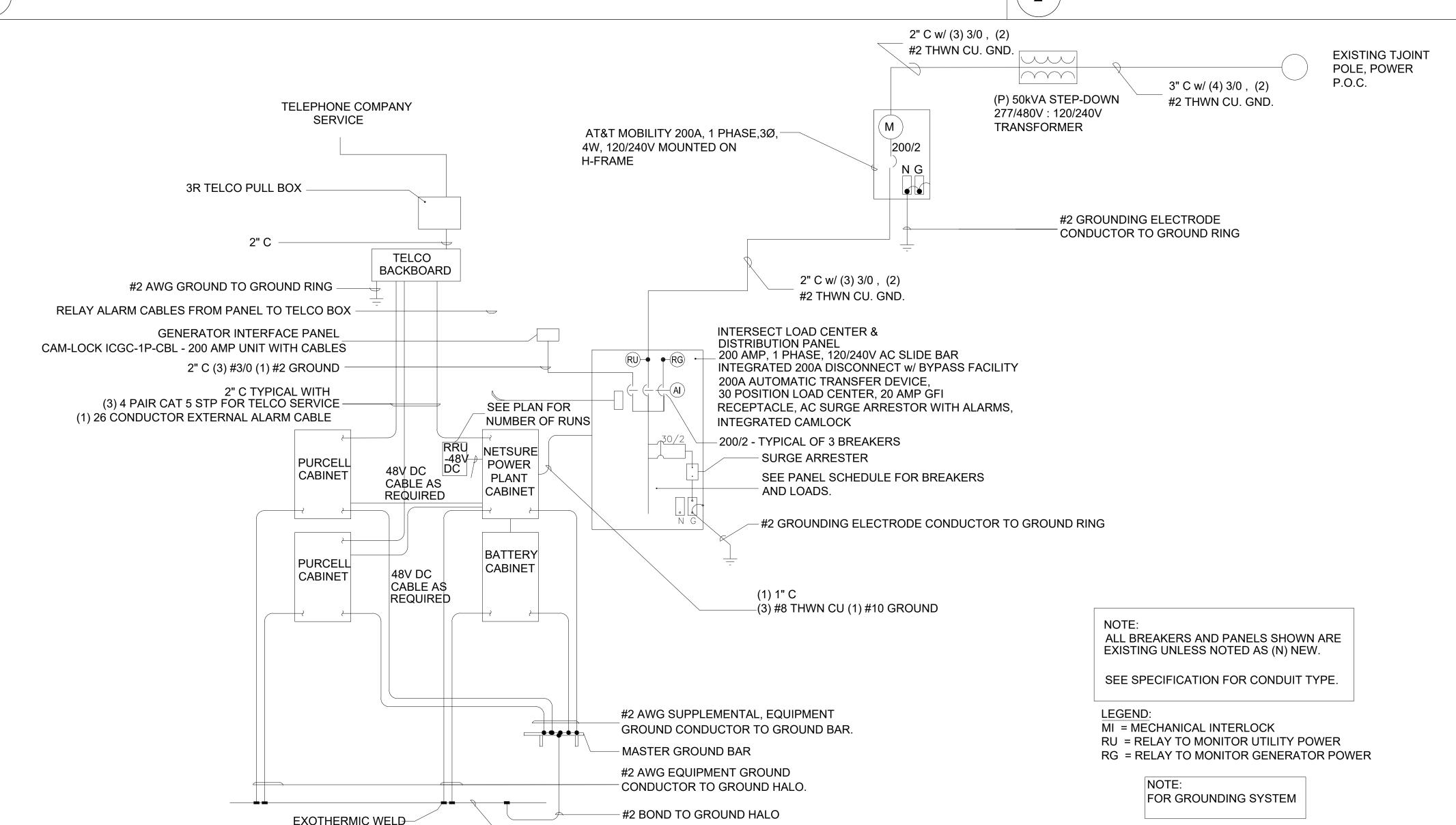
UNLESS OTHERWISE NOTED UON

WEATHERPROOF

GROUND FAULT CIRCUIT INTERRUPTER

NOTE: SYMBOLS INDICATED ABOVE MAY NOT NECESSARILY APPEAR AS PART OF THESE DRAWINGS IF NOT REQUIRED.





GROUND HALO

CVL01727

CHICAGO & OHIO

1229 OHIO AVENUE MODESTO, CA 95358 FA# 15541193 USID# 321109

Prepared For



5001 Executive Parkway San Ramon, California 94583

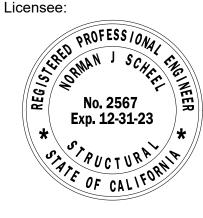


605 Coolidge Drive, Suite 100 Folsom, California 95630

AT&T SITE NO: CVL01727 PROJECT NO: 22-018 DRAWN BY: BW

CHECKED BY: BW

B 8/17/2022 100% ZD SUB. A 7/13/2022 90% ZD SUB. REV DATE DESCRIPTION



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED ROFESSIONAL ENGINEER, TO ALTER TH DOCUMENT.

Designer / Engineer:

Norman Scheel

Otructural

ngineer

5022 Sunrise Blvd. Fair Oaks, California 95628

LINE DIAGRAM

Sheet Title: **POWER SINGLE**

Sheet Number:

E-2

ELECTRICAL NOTES

or approved equal.



on behalf of



DATE: 08/02/2022

Stanislaus County | Planning & Community Development 1010 10th Street, Suite 3400, Modesto, CA 95354

Operation And project Justification Statement

Re: Proposed "New" AT&T Telcom Facility (cell site) Site Ref# CVL01727/Chicago & Ohio Located at: 1229 Ohio Ave, Modesto, CA 95358 APN: 007-049-027-000

Introduction

New AT&T proposed Monopole Tower. AT&T proposes to install a new wireless communications facility ("WCF") located at 1229 Ohio Ave, Modesto in the county of Stanislaus. The proposal includes the construction of (1) New 110ft. co-locatable Monopole tower with (15) panel antennas, (18) remote radio units, and associated equipment installed on the tower. Install (1) new 8.0' x 8.0' (WIC) walk in closet equipment shelter & 30kw back up Diesel generator inside a 900 sq. ft. (30'x30') AT&T ground space fenced in lease area located at the rear (northwest) corner of the property.

Colocation

AT&T seeks to fill a significant gap in service coverage using the least intrusive means under the values expressed in the Stanislaus County siting standards for Wireless Communication Facilities. Thus, AT&T is guided by the County Code Siting Standards for WCFs found in section 21.91.030 of the code.

"The tower shall be a monopole design unless the planning director determines that it would not be visible to the general public, in which case a lattice tower design may be approved".

AT&T seeks to meet the Code requirements and provide the best available design by placing this Monopole structure WCF in a A-2-10 (General Agg) Use zone at the minimum height needed to address the significant service coverage gap.

Visual Considerations

AT&T's engineering (Tower Manufacturer) has reviewed the proposed location to determine the appropriate type of Monopole tower structure, and in research suggest the proposed grey non-metallic tower would have the least visual impact on the local area, and blend best with the surroundings for the proposed AT&T antennas and equipment. The proposed site location will have minimal to No environmental impact with ease of access and utilities/trenching provided via an existing dirt access rd. directly to the site. Additionally, the site location will have little to no negative effect on the aesthetic quality of its surroundings due to the location of the proposed tower site at the rear of this rural agricultural property. Effectively the existing grove of wall nut trees will screen much of the facility and the ground equipment from the public right of way.



on behalf of



Project Justification.

AT&T Wireless is currently improving the existing wireless network in Stanislaus County. The new proposed telecom facility and installation of AT&T's telecommunication equipment will improve wireless and broadband internet coverage for the local area and provide First Net capability. The First Net program also known as First Responders Network https://www.firstnet.gov/ is the country's first nationwide public safety communications platform dedicated to first responders. Being built with AT&T, in public-private partnership with the First Responder Network Authority AT&T seeks to engage and work with federal, state and local governmental agencies as part of FirstNet buildout to enhance coverage for first responders. Additionally, the improved network will provide an extremely valuable service to those who live, travel, and do business in the local area. It will give people the ability to call for emergency services in the event of an accident, the ability to communicate with employees or clients outside of the office, and the ability to communicate with family members when needed. The project engineer has indicated that the proposed location will provide the necessary coverage and capacity with the ability to hand off the wireless signal to the next telecommunications site. This will enable travelers and community members to have reliable and continuous wireless coverage.

- Operation of the project will occur 12 months a year, 7 days a week, 24 hours a day consistent with the continuous schedule of normal telephone company operations.
- The facility is "unmanned" and will be visited on an "as needed" basis only. No more than two technicians will attend the facility. Their schedule will be on a 24 hour basis. No more than two service vehicles, being either a van or a small pickup truck will visit the facility.
- The equipment located within AT&T's lease area will be used for telephone operations.
- There will be no supplies or materials stored on the site.
- There will be no noise, glare, dust or odors associated with the facility.
- The proposed-on site 190-gallon diesel backup generator will <u>ONLY</u> run in the event of an emergency and for maintenance purposes approx. (1) time per month for approx. (20) to (30) mins. In the event of power outage, the generator has the capacity to power the site for up to (3) days before refueling is required.



on behalf of



Conclusion

AT&T would like to apply for a Use Permit for the project. The Proposed Facility is the least intrusive means by which AT&T can close its significant service coverage gap in this portion of Stanislaus County. Denial of AT&T's application would materially inhibit AT&T's ability to provide and improve service in this portion of the city.

Should you have questions regarding this project, please do not hesitate to contact my office directly at the undersigned

Sincerely,

Carl Jones

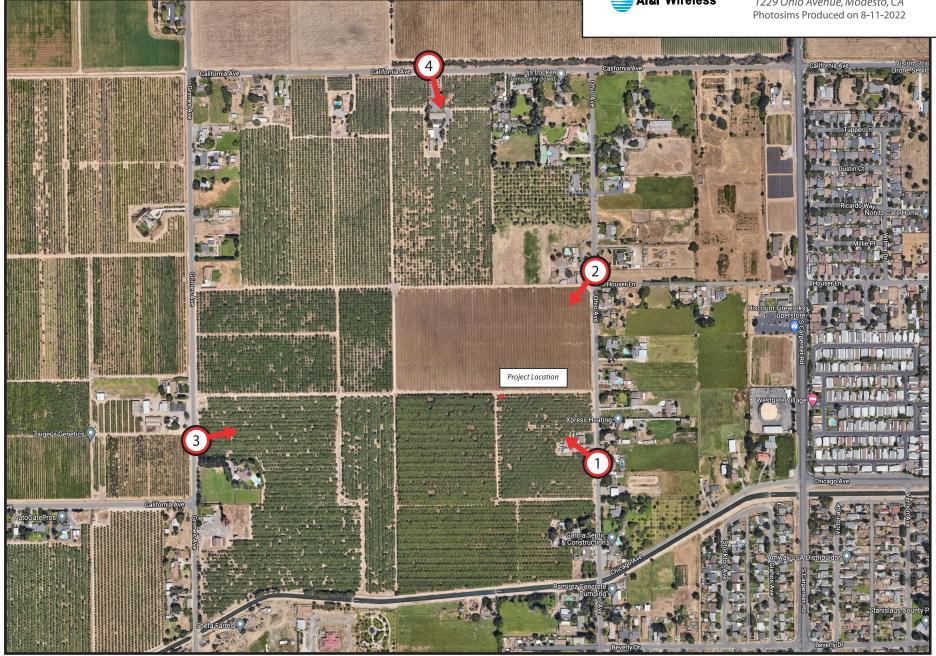
Project Manager

Epic Wireless Group LLC

(916) 798-2275 carl.jones@epicwireless.net



CVL01727 Chicago & Ohio 1229 Ohio Avenue, Modesto, CA Photosims Produced on 8-11-2022











AT&T Wireless

CVL01727 Chicago & Ohio 1229 Ohio Avenue, Modesto, CA Photosims Produced on 8-11-2022







AT&T Wireless

CVL01727 Chicago & Ohio
1229 Ohio Avenue, Modesto, CA
Photosims Produced on 8-11-2022















CVL01727 Chicago & Ohio
1229 Ohio Avenue, Modesto, CA
Photosims Produced on 8-11-2022

CVL01727 Zoning Propagation Map

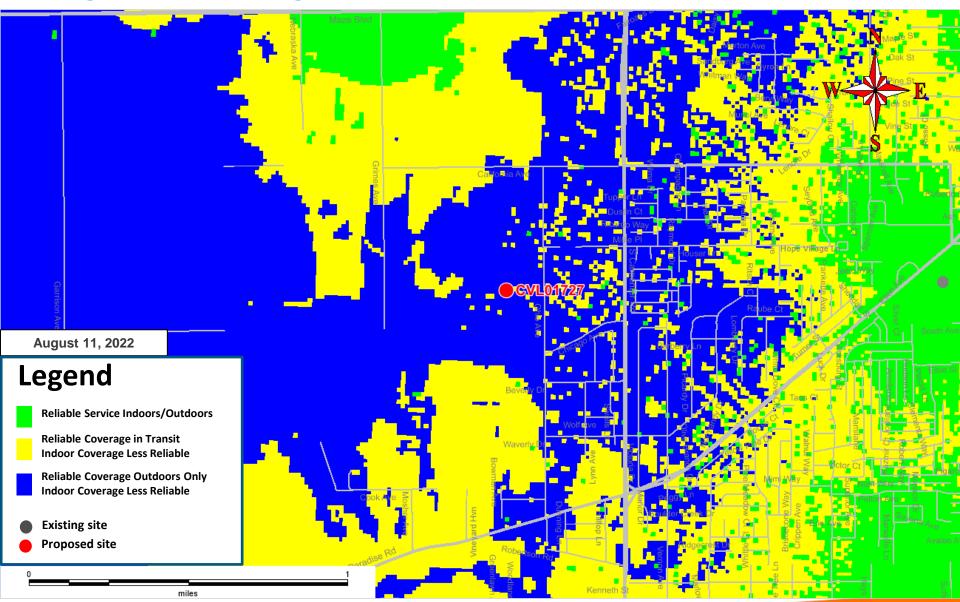
August 11, 2022

Disclaimer

"AT&T PROPRIETARY -- This information constitutes confidential trade secrets and commercial or financial information owned by AT&T and is shared for Critical Infrastructure Protection purposes only. It is exempt from disclosure under the Freedom of Information Act (5 U.S.C. 552), Exemptions (b)(3)&(4), and its disclosure is prohibited under the Trade Secrets Act (18 U.S.C. 1905), the Critical Infrastructure Information Act of 2002, 6 U.S.C. § 133, and any State or local law requiring disclosure of information or records. This information must not be copied or distributed to others not agreed upon by AT&T, but in all events do not copy or distribute to such others without notification pursuant to Executive Order 12600."

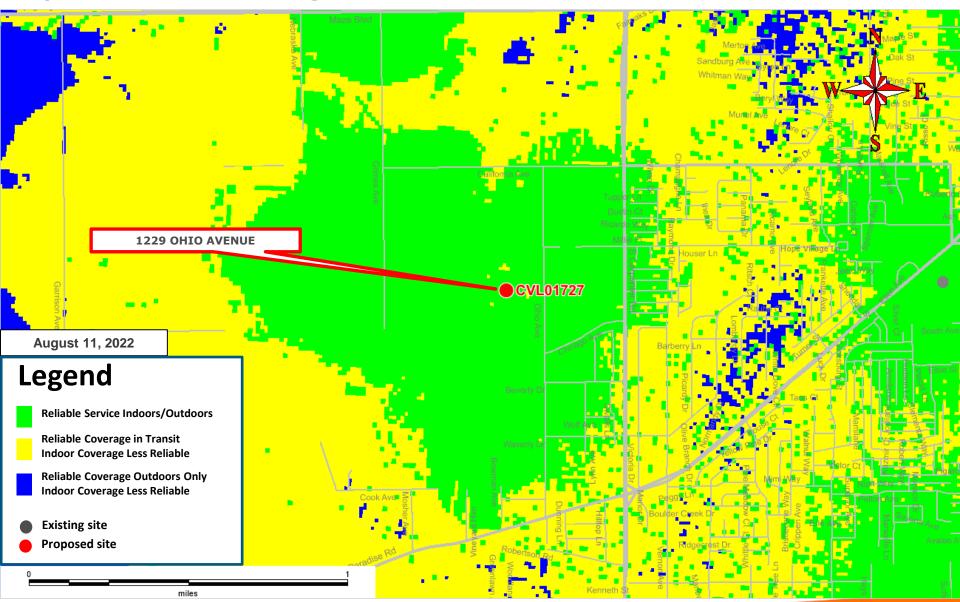


Existing LTE 700 Coverage





Proposed LTE 700 Coverage - 1229 OHIO AVENUE @ RC = 104 ft





Existing and proposed sites

