

## NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The community map repository should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where Base Flood Elevations (BFEs) and/or Floodway Data have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The projection used in the preparation of this map was Universal Transverse Mercator (UTM) zone 11. The horizontal datum was NAD83, GRS1980 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at <http://www.ngs.noaa.gov/> or contact the National Geodetic Survey at the following address:

NGS Information Services  
NCA, WNGS12  
National Geodetic Survey  
SSMC-3 #9202  
1315 East-West Highway  
Silver Spring, MD 20910-3282

To obtain current elevation, description, and/or location information for bench marks shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242, or visit its website at <http://www.ngs.noaa.gov/>.

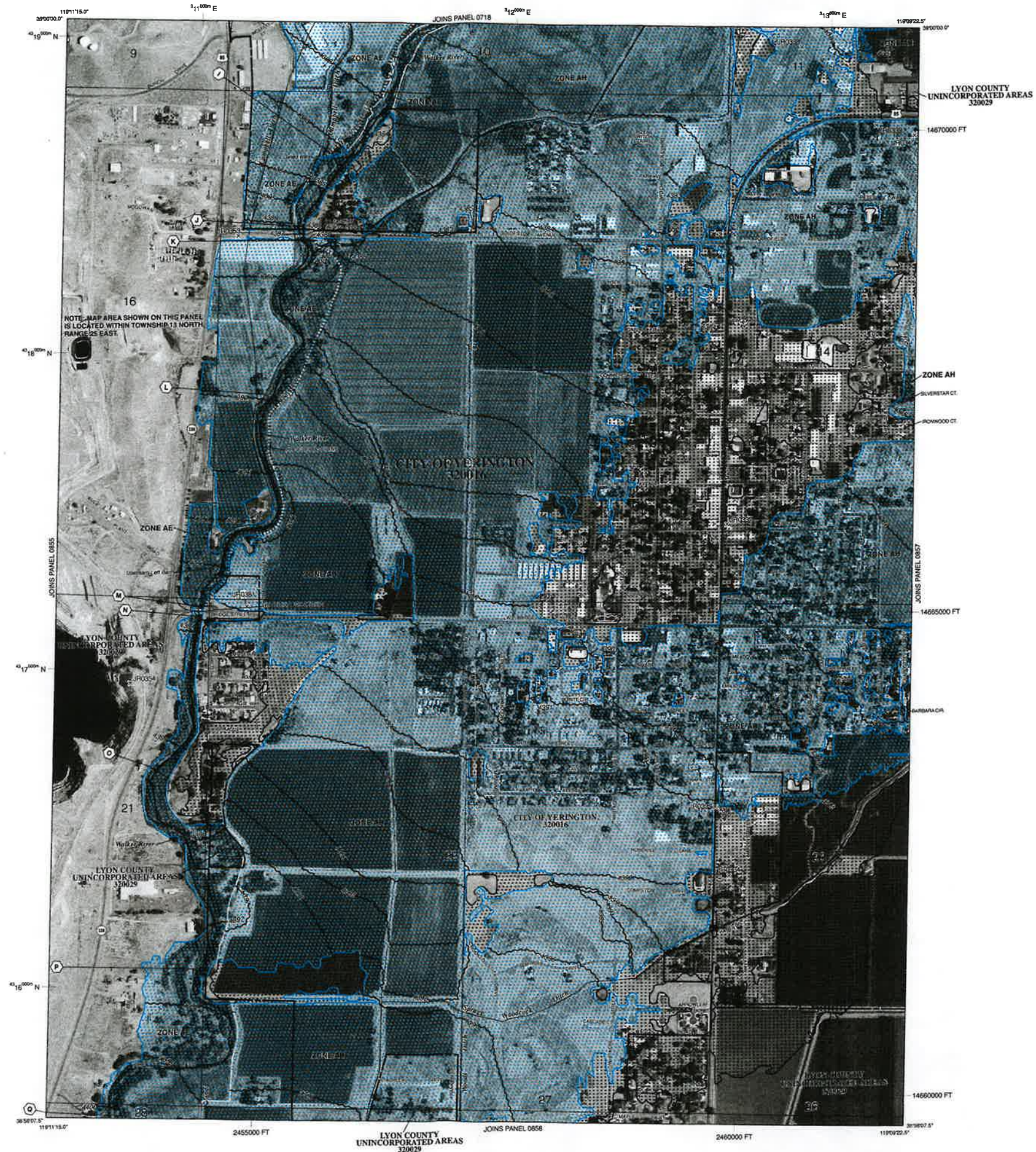
Base map information shown on this FIRM was provided in digital format by the USDA National Agriculture Imagery Program (NAIP). This information was photogrammetrically compiled at a scale of 1:12,000 from aerial photography dated 2013.

This map may reflect more detailed or up to date stream channel configurations than those shown on the previous FIRM. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations and improved topographic data. The profile baselines depicted on this map represent the hydraulic modeling baselines that match the flood profiles and Floodway Data Tables if applicable, in the FIS report. As a result, the profile baselines may deviate significantly from the new base map channel representation and may appear outside of the floodplain.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed Map Index for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

For information and questions about this map, available products associated with this FIRM including historic versions of this FIRM, how to order products or the National Flood Insurance Program in general, please call the FEMA Map Information Exchange at 1-877-FEMA-MAP (1-877-336-6227) or visit the FEMA Map Service Center website at <http://msc.fema.gov>. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the website. Users may determine the current map date for each FIRM panel by visiting the FEMA Map Service Center website or by calling the FEMA Map Information Exchange.



## LEGEND

### SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, AV, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

- ZONE A** No Base Flood Elevations determined.
- ZONE AE** Base Flood Elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of actual fan flooding, velocities also determined.
- ZONE AR** Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently destroyed. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE AV** Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE V** Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- ZONE VE** Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

### FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

- OTHER FLOOD AREAS**
- ZONE X** Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.
- OTHER AREAS**
- ZONE X** Areas determined to be outside the 0.2% annual chance floodplain.
- ZONE D** Areas in which flood hazards are undetermined, but possible.

- COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS**
- OTHERWISE PROTECTED AREAS (OPAs)**

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities
- Base Flood Elevation line and value; elevation in feet\*
- Base Flood Elevation value where uniform within zone; elevation in feet\*

\* Referenced to the North American Vertical Datum of 1988 (NAVD 88)

- Cross section line
- Transect line
- Geographic coordinates referenced to the North American Datum of 1983 (NAD 83)
- 1000-meter Universal Transverse Mercator grid ticks, zone 11
- 5000-foot grid ticks: Nevada State Plane coordinate system, west zone (FIPSZONE 2703), State Plane coordinate Transverse Mercator
- Bench mark (see explanation in Notes to Users section of this FIRM panel)
- DX5510
- MT.5
- River Mile

MAP REPOSITORIES

Refer to Map Repository list on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP

January 16, 2009

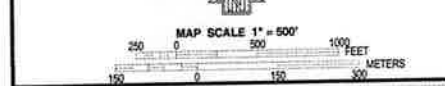
EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

to add boundary; to change Special Flood Hazard Areas, to reflect updated topographic information, and to change Base Flood Elevations

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-435-6633.

MAP SCALE 1" = 500'



PANEL 0856F

FIRM

FLOOD INSURANCE RATE MAP

LYON COUNTY,

NEVADA

AND INCORPORATED AREAS

PANEL 856 OF 1375

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY

LYON COUNTY

VERMONTION CITY OF

NUMBER

32019C0856

PANEL

0856

SUFFIX

F

PRELIMINARY

February 27, 2015

Notice to User: The Map Number shown below should be used when placing map orders. The Community Number shown above should be used on insurance applications for the subject community.

MAP NUMBER

32019C0856F

MAP REVISED

Federal Emergency Management Agency





at&t

FA# 15758529  
USID# 317743  
PACE I.D.: MRSFR089326

SITE NUMBER: CVL02811  
SITE NAME: YERINGTON

402 NORTH MAIN STREET  
YERINGTON, NV 89447

JURISDICTION: CITY OF YERLINGTON  
APN: 001-059-02

SITE TYPE: W.I.C. SHELTER /  
MONOPOLE

Issued For:  
CVL02811  
YERINGTON  
402 NORTH MAIN STREET  
YERINGTON, NV 89447  
FA# 15758529  
USID# 317743

Prepared For:  
  
5001 Executive Parkway  
San Ramon, California 94583

Vendor:  
  
WIRELESS GROUP LLC  
605 Coolidge Drive, Suite 100  
Folsom, California 95630

AT&T SITE NO: CVL02811  
PROJECT NO: 22-008  
DRAWN BY: BW  
CHECKED BY: BW

REV	DATE	DESCRIPTION
3		
2		
1		
0		
C		
B	6/20/2022	100% ZD SUB
A	6/20/2022	90% ZD SUB

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

Designer / Engineer:  
  
5022 Sunrise Blvd.  
Fair Oaks, California 95628

Sheet Title:  
TITLE SHEET

Sheet Number:  
T-1

PROJECT DESCRIPTION	PROJECT INFORMATION	PROJECT TEAM	SHEET INDEX	REV																											
NEW SITE BUILD UNMANNED TELECOMMUNICATIONS FACILITY. 1. (P) AT&T LEASE AREA 19'-0" x 33'-0" (TOTAL 627 S.F. AT&T LEASE AREA) 2. (P) (1) AT&T MOBILITY 90'-0" TALL MONOPOLE TOWER 3. (P) (1) SITEPRO FP4-12-H10 TOWER MOUNT ASSEMBLY 4. (P) (12) AT&T MOBILITY PANEL ANTENNAS 5. (P) (12) AT&T MOBILITY RRUS REMOTE RADIO UNITS 6. (P) (3) DC9 SURGE SUPPRESSORS 7. (P) (1) (WIC) WALK IN CLOSET SHELTER 8. (P) (1) 30KW DIESEL GENERATOR w/ 190 GALLON UL142 RATED FUEL TANK 9. (P) (9) DC POWER TRUNKS & (3) FIBER TRUNKS 10. (P) (1) GPS ANTENNA 11. (P) (8) 190AH BATTERIES	<b>PROPERTY INFORMATION:</b>  SITE NAME: YERINGTON SITE NUMBER: CVL02811  SITE ADDRESS: 402 NORTH MAIN STREET YERINGTON, NV 89447 A.P.N.: 001-059-02  CURRENT ZONING: M1  JURISDICTION: CITY OF YERLINGTON  LATITUDE: N38° 59' 32.37" NAD 83 (N 38 992325) LONGITUDE: W119° 09' 43.86" NAD 83 (W 119 162183) GROUND ELEVATION: 4383.0 FT. AMSL  <b>PROPERTY OWNER:</b> PETE MAZZI 160 DENSMORE LANE YERINGTON, NV 89447  <b>POINT CONTACT:</b> PROPERTY MGR: LEANDRA CARR LAHONTAN PROPERTIES PH: (775) 690-2591 EMAIL: leandracarr@hotmail.com  <b>POWER AGENCY:</b> NV ENERGY 6226 W. SAMARA AVENUE LAS VEGAS, NV 89148 PH: (775) 473-6998  <b>TELEPHONE AGENCY:</b> AT&T 525 MARKET STREET, SPEAR TOWER SAN FRANCISCO, CA 94105 PH: 1-(800) 310-2355	<b>APPLICANT / LESSEE:</b> AT&T 5001 EXECUTIVE PARKWAY SAN RAMON, CA 94583  <b>ARCHITECT / ENGINEER:</b> N.S.S.E. 5022 SUNRISE BOULEVARD FAIR OAKS, CA 95628 CONTACT: BRIAN K. WINSLOW EMAIL: brian@nssse.com PH: (916) 536-9585  <b>CONSTRUCTION MANAGER:</b> EPIC WIRELESS 605 COOLIDGE DRIVE, SUITE 100 FOLSOM, CA 95630 CONTACT: ANDREW MEDINA EMAIL: andrew.medina@epicwireless.net PH: (530) 574-4773  <b>SITE ACQUISITION:</b> EPIC WIRELESS CONTACT: CARL JONES EMAIL: carl.jones@epicwireless.net PH: (916) 798-8875  <b>ZONING MANAGER:</b> EPIC WIRELESS CONTACT: CARL JONES EMAIL: carl.jones@epicwireless.net PH: (916) 798-8875  <b>CIVIL VENDOR:</b> QUALTEK CONTACT: MATHEW STEWART EMAIL: mstewart@qualtekwireless.com PH: (702) 622-5458  <b>SURVEYOR:</b> GEIL ENGINEERING 1226 HIGH STREET AUBURN, CA 95603 CONTACT: KENNETH GEIL PH: (530) 885-0426	1. T-1 TITLE SHEET 2. GN-1 GENERAL NOTES, ABBREVIATIONS, & LEGEND 3. GN-2 SITE SIGNAGE 4. GN-3 BATTERY SPECIFICATIONS 5. C-1 PLOT PLAN AND SITE TOPOGRAPHY 6. A-1 OVERALL SITE PLAN 7. A-1.1 ENLARGED SITE PLAN 8. A-2 AREA EQUIPMENT PLAN 9. A-3 ANTENNA PLAN, SCHEDULE, & DETAILS 10. A-3.1 RRH DETAILS 11. A-3.2 SECTOR FRAME DETAILS 12. A-4.1 PROPOSED ELEVATIONS 13. A-4.2 PROPOSED ELEVATIONS 14. A-5 CONSTRUCTION DETAILS - EQUIPMENT 15. A-5.1 CONSTRUCTION DETAILS - EQUIPMENT 16. E-1 GENERAL ELECTRICAL NOTES 17. E-2 POWER SINGLE LINE DIAGRAM	B B B B B B B B B B B B B B B B B B																											
<b>CODE COMPLIANCE</b>  ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS ARE TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.  1. 2018 INTERNATIONAL BUILDING CODE 2. 2018 INTERNATIONAL EXISTING BUILDING CODE 3. 2018 INTERNATIONAL ENERGY CONSERVATION CODE 4. 2018 INTERNATIONAL FUEL GAS CODE 5. 2018 INTERNATIONAL MECHANICAL CODE 6. 2018 INTERNATIONAL PLUMBING CODE 7. 2018 UNIFORM MECHANICAL CODE 8. 2019 UNIFORM PLUMBING CODE 9. 2017 NATIONAL ELECTRICAL CODE 10. ANSI / EIA-TIA-222-H 11. 2018 NFPA 101, LIFE SAFETY CODE 12. 2018 NFPA 72, NATIONAL FIRE ALARM CODE 13. 2018 NFPA 13, FIRE SPRINKLER CODE	<b>VICINITY MAP</b> 	<b>DIRECTIONS</b>  DIRECTIONS FROM AT&T'S OFFICE AT 5001 EXECUTIVE PARKWAY, SAN RAMON, CA 1. HEAD SOUTH ON BOLLINGER CANYON RD. 2. TURN RIGHT ONTO BOLLINGER CANYON DRIVE 3. MERGE ONTO I-680 NORTH 4. TAKE EXIT 71A TOWARD I-80E 5. MERGE ONTO I-80E 6. USE RIGHT TWO LANES TO TAKE EXIT 70 FOR 113 N TOWARDS WOODLAND 7. TAKE EXIT 538 FOR CA-113 TOWARD YUBA CITY 8. TURN RIGHT ONTO CA-113 N/EAST STREET 9. TURN RIGHT ON CO ROAD 17 10. TURN LEFT ONTO CO ROAD 102 11. CONTINUE ONTO CA-113 N  DESTINATION WILL BE ON LEFT																													
<b>OCCUPANCY AND CONSTRUCTION TYPE</b>  OCCUPANCY: S-2 (UNMANNED TELECOMMUNICATIONS FACILITY), U (TOWER) CONSTRUCTION TYPE: V-B  <b>ACCESSIBILITY REQUIREMENTS</b> FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. ACCESSIBILITY ACCESS AND REQUIREMENTS RE NOT REQUIRED, IN ACCORDANCE WITH 2018 INTERNATIONAL BUILDING CODE, CHAPTER 11, SECTION 1103B.1, EXCEPTION 1 & SECTION 1134B.2.1, EXCEPTION 4.	<b>SPECIAL INSPECTIONS</b>  SPECIAL INSPECTIONS PER 2018 I.B.C. SECTION 1704 ARE REQUIRED FOR THE FOLLOWING: 1. ANCHOR BOLTS WET-SET INTO CONCRETE 2. EXPANSION BOLTS INTO EXISTING CONCRETE 3. HIGH STRENGTH BOLTING 4. WELDING 5. STEEL REINFORCING / REBAR PLACEMENT 6. STEEL MATERIAL VERIFICATION 7. SOILS ENGINEER TO INSPECT DRILLED PIERS  <b>STRUCTURAL DESIGN CRITERIA:</b> 1. SOIL CLASSIFICATION: D 2. SOIL BEARING CAPACITY: 1,000 PSF 3. MINIMUM CONCRETE STRENGTH: 2,500 PSI 4. SEISMIC IMPORTANCE FACTOR: 1.0 5. SITE COORDINATES: N 38.5956389 W -122.5474917 NAD 83 6. SPECTRAL RESPONSE ACCELERATIONS: Ss = 1.647g S1 = 0.544g 7. SPECTRAL RESPONSE COEFFICIENTS: SDs = 1.098g SD1 = 0.544g 8. SITE COEFFICIENTS: Fa = 1.000 Fv = 1.500 9. SEISMIC DESIGN CRITERIA: D	<b>APPROVALS</b> <table><thead><tr><th>APPROVED BY:</th><th>INITIALS:</th><th>DATE:</th></tr></thead><tbody><tr><td>AT&amp;T:</td><td></td><td></td></tr><tr><td>VENDOR:</td><td></td><td></td></tr><tr><td>RF ENGINEER:</td><td></td><td></td></tr><tr><td>LEASING / LANDLORD:</td><td></td><td></td></tr><tr><td>ZONING:</td><td></td><td></td></tr><tr><td>CONSTRUCTION:</td><td></td><td></td></tr><tr><td>POWER / TELCO:</td><td></td><td></td></tr><tr><td>PG&amp;E:</td><td></td><td></td></tr></tbody></table>	APPROVED BY:	INITIALS:	DATE:	AT&T:			VENDOR:			RF ENGINEER:			LEASING / LANDLORD:			ZONING:			CONSTRUCTION:			POWER / TELCO:			PG&E:			<b>GENERAL CONTRACTOR NOTES</b>  <b>DO NOT SCALE DRAWINGS</b>  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 OR MATERIAL ORDERS, OR BE RESPONSIBLE FOR THE SAME.	
APPROVED BY:	INITIALS:	DATE:																													
AT&T:																															
VENDOR:																															
RF ENGINEER:																															
LEASING / LANDLORD:																															
ZONING:																															
CONSTRUCTION:																															
POWER / TELCO:																															
PG&E:																															





## GENERAL CONSTRUCTION NOTES:

1. 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) 227-2800, 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.
9. 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 ITS ORIGINAL CONDITION PRIOR TO COMPLETION OF WORK. SIZE, LOCATION AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLACED ON "AS-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. (")	INCHES
ACCA	ANTENNA CABLE COVER ASSEMBLY	INT.	INTERIOR
ADDL.	ADDITIONAL	LB. (L)	POUNDS
A.F.F.	ABOVE FINISHED FLOOR	L.B.	LAG BOLTS
A.F.G.	ABOVE FINISHED GRADE	L.F.	LINEAR FEET (FOOT)
ALUM.	ALUMINUM	L.	LONGITUDINAL
ALT.	ALTERNATE	MAS.	MASONRY
ANT.	ANTENNA	MAX.	MAXIMUM
APPRX.	APPROXIMATELY	M.B.	MACHINE BOLT
ARCH.	ARCHITECT(URAL)	MECH.	MECHANICAL
AWG.	AMERICAN WIRE GAUGE	MFR.	MANUFACTURER
BLDG.	BUILDING	MIN.	MINIMUM
BLK.	BLOCK	MISC.	MISCELLANEOUS
BLKG.	BLOCKING	MTL.	METAL
BM.	BEAM	(N)	NEW
B.N.	BOUNDARY NAILING	NO. (#)	NUMBER
BTCL.	BARE TINNED COPPER WIRE	N.T.S.	NOT TO SCALE
B.O.F.	BOTTOM OF FOOTING	O.C.	ON CENTER
BU.	BACK-UP CABINET	OPNG.	OPENING
CAB.	CABINET	PIC	PRECAST CONCRETE
CANT.	CANTILEVER(ED)	PCS	PERSONAL COMMUNICATION SERVICES
C.I.P.	CAST IN PLACE	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	P.S.I.	POUNDS PER SQUARE INCH
CONN.	CONNECTION(OR)	P.T.	PRESSURE TREATED
CONST.	CONSTRUCTION	PWR.	POWER (CABINET)
CONT.	CONTINUOUS	QTY.	QUANTITY
d	PENNY (NAILS)	RAD. (R)	RADIUS
DBL.	DOUBLE	REF.	REFERENCE
DEPT.	DEPARTMENT	REINF.	REINFORCEMENT(ING)
D.F.	DOUGLAS FIR	REQ'D	REQUIRED
DIA.	DIAMETER	RGS.	RIGID GALVANIZED STEEL
DIAG.	DIAGONAL	SCH.	SCHEDULE
DIM.	DIMENSION	SHT.	SHEET
DWG.	DRAWING(S)	SIM.	SIMILAR
DWL.	DOWEL(S)	SPEC.	SPECIFICATIONS
EACH	EACH	SQ.	SQUARE
EL.	ELEVATION	S.S.	STAINLESS STEEL
ELEC.	ELECTRICAL	STD.	STANDARD
ELEV.	ELEVATION	STL.	STEEL
EMT.	ELECTRICAL METALLIC TUBING	STRUC.	STRUCTURAL
E.N.	EDGE NAILING	TEMP.	TEMPORARY
ENG.	ENGINEER	THK.	THICKNESS
EQ.	EQUAL	T.N.	TOE NAIL
EXP.	EXPANSION	T.O.A.	TOP OF ANTENNA
EXST. (E)	EXISTING	T.O.C.	TOP OF CURB
EXT.	EXTERIOR	T.O.F.	TOP OF FOUNDATION
FAB.	FABRICATION (OR)	T.O.P.	TOP OF PLATE (PARAPET)
F.F.	FINISH FLOOR	T.O.S.	TOP OF STEEL
F.G.	FINISH GRADE	T.O.W.	TOP OF WALL
FIN.	FINISH (ED)	TYP.	TYPICAL
FLR.	FLOOR	U.G.	UNDER GROUND
FDN.	FOUNDATION	ULL.	UNDERWRITERS LABORATORY
F.O.C.	FACE OF CONCRETE	U.N.O.	UNLESS NOTED OTHERWISE
F.O.M.	FACE OF MASONRY	V.I.F.	VERIFY IN FIELD
F.O.S.	FACE OF STUD	W	WIDE (WIDTH)
F.O.W.	FACE OF WALL	W	WITH
F.S.	FINISH SURFACE	WD.	WOOD
FT. (F)	FOOT (FEET)	W.P.	WEATHERPROOF
FTG.	FOOTING	WT.	WEIGHT
G.	GROWTH (CABINET)	Q	CENTERLINE
GA.	GAUGE	Q	PLATE, PROPERTY LINE
GI.	GALVANIZE (D)		
G.F.I.	GROUND FAULT INTERRUPTER		
GLB. (GLU-LAM)	GLOBAL POSITIONING SYSTEM		
GPS	GLOBAL POSITIONING SYSTEM		
GRND.	GROUND		
HDR.	HEADER		
HNGR.	HANGER		
HT.	HEIGHT		

## SYMBOLS LEGEND

	BLDG. SECTION		GROUT OR PLASTER
	WALL SECTION		(E) BRICK
	DETAIL		(E) MASONRY
	ELEVATION		CONCRETE
	DOOR SYMBOL		EARTH
	WINDOW SYMBOL		GRAVEL
	TILT-UP PANEL MARK		PLYWOOD
	PROPERTY LINE		SAND
	CENTERLINE		PLYWOOD
	ELEVATION DATUM		SAND
	GRID/COLUMN LINE		(E) STEEL
	KEYNOTE, DIMENSION ITEM		MATCH LINE
	KEYNOTE, CONSTRUCTION ITEM		GROUND CONDUCTOR
	WALL TYPE MARK		OVERHEAD SERVICE CONDUCTORS
	OFFICE		TELEPHONE CONDUIT
	ROOM NAME		POWER CONDUIT
	ROOM NUMBER		COAXIAL CABLE
			CHAIN LINK FENCE
			WOOD FENCE
			(P) ANTENNA
			(P) RRU
			(P) DC SURGE SUPPRESSION
			(F) ANTENNA
			(F) RRU
			(E) EQUIPMENT

Issued For:

CVL02811

YERINGTON

402 NORTH MAIN STREET  
YERINGTON, NV 89447  
FA# 15758529  
USID# 317743

Prepared For:



5001 Executive Parkway  
San Ramon, California 94583

Vendor:



AT&T SITE NO: CVL02811

PROJECT NO: 22-008

DRAWN BY: BW

CHECKED BY: BW

REV	DATE	DESCRIPTION
3		
2		
1		
0		
C		
B	6/20/2022	100% 2D SUB
A	6/3/2022	90% 2D SUB

Licensee:



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

Designer / Engineer:




Sheet Title:

GENERAL NOTES,  
ABBREVIATIONS, &  
LEGEND

Sheet Number:

GN-1



 **at&t**

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: \_\_\_\_\_

11 FENCED COMPOUND SIGNAGE  
N.T.S.



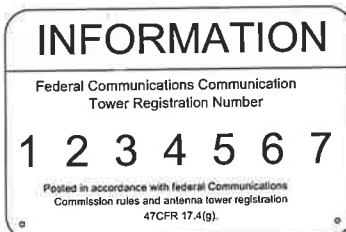
10 FENCED COMPOUND SIGNAGE  
N.T.S.



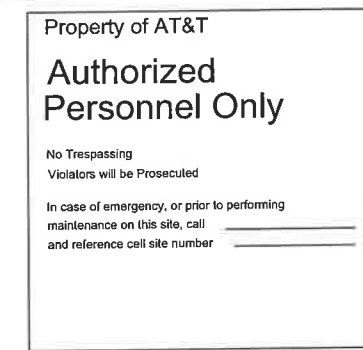
9 DOOR / EQUIPMENT SIGN  
N.T.S.



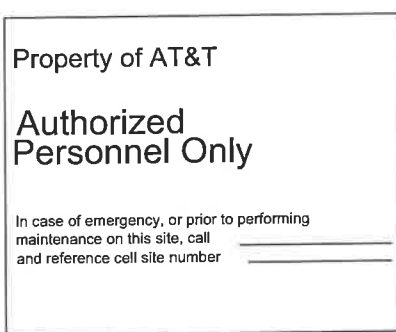
8 NOT USED  
N.T.S.



7 FCC ASR SIGNAGE  
N.T.S.



6 GATE SIGNAGE  
N.T.S.



5 SHELTER / CABINET DOORS SIGNAGE  
N.T.S.

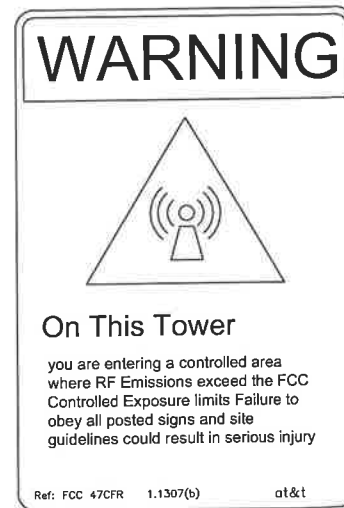


Entering this area  
can expose you to  
lead from lead acid  
batteries.

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](http://www.P65Warnings.ca.gov)

4 PROP 65 WARNING SIGNAGE  
N.T.S.



3 CAUTION AND WARNING SIGN  
N.T.S.



2 GENERAL NOTES  
N.T.S.



1 NOTICE SIGN  
N.T.S.

#### SIGNAGE AND STRIPING INFORMATION

1. THE FOLLOWING INFORMATION IS A GUIDELINE w/ RESPECT TO PREVAILING STANDARDS LIMITING HUMAN EXPOSURE TO RADIO FREQUENCY ENERGY AND SHOULD BE USED AS SUCH. IF THE SITE'S EMP 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 REGULATION SHALL BE FOLLOWED AND OVERRIDE THE LESSER.
2. THE PUBLIC LIMIT OF RF EXPOSURE ALLOWED BY AT&T IS 1mW/cm<sup>2</sup> AND THE OCCUPATIONAL LIMIT OF RF EXPOSURE ALLOWED BY AT&T IS 5mW/cm<sup>2</sup>.
3. 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.
4. 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 EMP 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.
5. 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 EMP 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.
6. ALL TRANSMIT ANTENNAS REQUIRE A THREE LANGUAGE WARNING SIGN WRITTEN IN ENGLISH, SPANISH, AND CHINESE. THIS SIGN SHALL BE PROVIDED TO THE CONTRACTOR Y THE AT&T CONSTRUCTION PROJECT MANAGER AT THE TIME OF CONSTRUCTION. THE LARGER SIGN SHALL BE PLACED IN PLAIN SIGHT AT ALL ROOF ACCESS LOCATIONS AND ON ALL BARRICADES. THE SMALLER SIGN SHALL BE PLACED ON THE ANTENNA ENCLOSURES IN A MANNER THAT IS EASILY SEEN BY ANY PERSON ON THE ROOF. WARNING SIGNS SHALL COMPLY w/ ANSI Z39.2 COLOR, SYMBOL, AND CONTENT CONVENTIONS. ALL SIGNS SHALL HAVE AT&T'S NAME AND THE COMPANY CONTACT INFORMATION (e.g. TELEPHONE NUMBER) TO ARRANGE FOR ACCESS TO THE RESTRICTED AREAS. THIS TELEPHONE NUMBER SHALL BE PROVIDED TO THE CONTRACTOR BY THE AT&T CONSTRUCTION PROJECT MANAGER AT THE TIME OF CONSTRUCTION.
7. PHOTOS OF ALL STRIPING, BARRICADES & SIGNAGE SHALL BE PART OF THE CONTRACTORS CLOSE OUT PACKAGE & SHALL BE TURNED INTO THE AT&T CONSTRUCTION PROJECT MANAGER AT THE END OF CONSTRUCTION. STRIPING SHALL BE DONE w/ FADE RESISTANT YELLOW SAFETY PAINT IN A CROSS-HATCH PATTERN AS DETAILED BY THE CONSTRUCTION DRAWINGS. ALL 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.

#### Issued For:

CVL02811

#### YERINGTON

402 NORTH MAIN STREET  
YERINGTON, NV 89447  
FAR 15756529  
USIDF 317743

#### Prepared For:

 **at&t**  
5001 Executive Parkway  
San Ramon, California 94583

#### Vendor:

 **WIRELESS GROUP LLC**  
Connecting a Wireless World  
605 Coolidge Drive, Suite 100  
Folsom, California 95630

AT&T SITE NO: CVL02811

PROJECT NO: 22-008

DRAWN BY: BW

CHECKED BY: BW

REV	DATE	DESCRIPTION
3		
2		
1		
D		
C		
B	6/20/2022	100% ZD SUB.
A	6/3/2022	90% ZD SUB.

#### Licensee:



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

#### Designer / Engineer:

**Norman Scheel**  
Structural Engineer  
33 YEARS OF EXCELLENCE  
5022 Sunrise Blvd.  
Fair Oaks, California 95628

#### Sheet Title:

SITE SIGNAGE

#### Sheet Number:

GN-2



[illegible]

# SAFETY DATA SHEET

Form No. 3256 03/2012  
 Revised 04/2012  
 Supersedes All  
 EDP-04 (ENERSYS)

## INTRODUCTION

Enersys lead and cadmium electrolyte is the primary component of every Enersys manufactured by Enersys Energy Products. These electrolytes are not hazardous as they contain quantities of lead and cadmium well below the Threshold Limit Values (TLV).

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Sulfuric Acid:** Tarsens to fresh air immediately. If breathing is difficult, give oxygen. Contact a physician.  
**Lead:** Return from exposure quickly, wash nose and face immediately.

## 2. HAZARD IDENTIFICATION

**Sulfuric Acid:** Large enough quantities of water, but induce corrosion of equipment, while the fumes may occur and can cause permanent injury to health, especially to the eyes.  
**Lead:** Contact physician immediately.

## 3. COMPOSITION

**Sulfuric Acid:** Fresh with large amounts of water for at least 15 minutes, remove contaminated clothing immediately, including shoes.  
 If respiratory pain, seek medical attention. Wash contaminated clothing before reuse. Discard contaminated lead.  
**Lead:** Wash immediately with lots of water.

## 4. FIRST AID

**Sulfuric Acid and Lead:** Wash immediately with large amounts of water for at least 15 minutes while waiting for help.  
 Sulfuric acid: immediate irrigation of eyes have been exposed directly to acid.

## 5. FIRE FIGHTING MEASURES

### Flammable

**Flammable:** Sulfuric Acid: No fire hazard. Sulfuric acid: No fire hazard. Sulfuric acid: No fire hazard.

### Explosive

**Explosive:** Sulfuric Acid: No explosion hazard. Sulfuric acid: No explosion hazard. Sulfuric acid: No explosion hazard.

### Reactivity

**Reactivity:** Sulfuric Acid: No reaction with air, water, or other materials. Sulfuric acid: No reaction with air, water, or other materials.

### Stability

**Stability:** Sulfuric Acid: Stable under normal conditions. Sulfuric acid: Stable under normal conditions.

### Reactivity with water

**Reactivity with water:** Sulfuric Acid: No reaction with water. Sulfuric acid: No reaction with water.

### Reactivity with acids

**Reactivity with acids:** Sulfuric Acid: No reaction with acids. Sulfuric acid: No reaction with acids.

### Reactivity with bases

**Reactivity with bases:** Sulfuric Acid: No reaction with bases. Sulfuric acid: No reaction with bases.

### Reactivity with oxidizing agents

**Reactivity with oxidizing agents:** Sulfuric Acid: No reaction with oxidizing agents. Sulfuric acid: No reaction with oxidizing agents.

### Reactivity with reducing agents

**Reactivity with reducing agents:** Sulfuric Acid: No reaction with reducing agents. Sulfuric acid: No reaction with reducing agents.

### Reactivity with other materials

**Reactivity with other materials:** Sulfuric Acid: No reaction with other materials. Sulfuric acid: No reaction with other materials.

### Reactivity with fire

**Reactivity with fire:** Sulfuric Acid: No reaction with fire. Sulfuric acid: No reaction with fire.

### Reactivity with explosion

**Reactivity with explosion:** Sulfuric Acid: No reaction with explosion. Sulfuric acid: No reaction with explosion.

### Reactivity with corrosion

**Reactivity with corrosion:** Sulfuric Acid: No reaction with corrosion. Sulfuric acid: No reaction with corrosion.

### Reactivity with toxicity

**Reactivity with toxicity:** Sulfuric Acid: No reaction with toxicity. Sulfuric acid: No reaction with toxicity.

### Reactivity with flammability

**Reactivity with flammability:** Sulfuric Acid: No reaction with flammability. Sulfuric acid: No reaction with flammability.

### Reactivity with explosiveness

**Reactivity with explosiveness:** Sulfuric Acid: No reaction with explosiveness. Sulfuric acid: No reaction with explosiveness.

### Reactivity with corrosiveness

**Reactivity with corrosiveness:** Sulfuric Acid: No reaction with corrosiveness. Sulfuric acid: No reaction with corrosiveness.

### Reactivity with irritancy

**Reactivity with irritancy:** Sulfuric Acid: No reaction with irritancy. Sulfuric acid: No reaction with irritancy.

### Reactivity with sensitization

**Reactivity with sensitization:** Sulfuric Acid: No reaction with sensitization. Sulfuric acid: No reaction with sensitization.

### Reactivity with mutagenicity

**Reactivity with mutagenicity:** Sulfuric Acid: No reaction with mutagenicity. Sulfuric acid: No reaction with mutagenicity.

### Reactivity with carcinogenicity

**Reactivity with carcinogenicity:** Sulfuric Acid: No reaction with carcinogenicity. Sulfuric acid: No reaction with carcinogenicity.

### Reactivity with reproductive toxicity

**Reactivity with reproductive toxicity:** Sulfuric Acid: No reaction with reproductive toxicity. Sulfuric acid: No reaction with reproductive toxicity.

### Reactivity with developmental toxicity

**Reactivity with developmental toxicity:** Sulfuric Acid: No reaction with developmental toxicity. Sulfuric acid: No reaction with developmental toxicity.

### Reactivity with teratogenicity

**Reactivity with teratogenicity:** Sulfuric Acid: No reaction with teratogenicity. Sulfuric acid: No reaction with teratogenicity.

### Reactivity with embryotoxicity

**Reactivity with embryotoxicity:** Sulfuric Acid: No reaction with embryotoxicity. Sulfuric acid: No reaction with embryotoxicity.

### Reactivity with fetotoxicity

**Reactivity with fetotoxicity:** Sulfuric Acid: No reaction with fetotoxicity. Sulfuric acid: No reaction with fetotoxicity.

### Reactivity with perinatal toxicity

**Reactivity with perinatal toxicity:** Sulfuric Acid: No reaction with perinatal toxicity. Sulfuric acid: No reaction with perinatal toxicity.

### Reactivity with lactational toxicity

**Reactivity with lactational toxicity:** Sulfuric Acid: No reaction with lactational toxicity. Sulfuric acid: No reaction with lactational toxicity.

[illegible]

www.enersys.com/power-sbs/usa.htm  
1-877-999-3800

APL/INE

# PowerSafe<sup>®</sup> SBS Front Terminal

Telecommunications  
NEBS<sup>®</sup> Certified

## Battery Range Summary

The PowerSafe<sup>®</sup> SBS Front Terminal battery locker extends the operational life of PowerSafe SBS battery products 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 environments.

Where conventional Valve Regulated Lead Acid (VRLA/Wetted Glass Mat AGM) batteries struggle to cope with heat 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 31-150Ah
- 12V monobloc configurations
- Multiple string configurations available
- Two year shelf life
- SH4228 compliant
- Proven long service life
- High energy density and cycling capability

**EnerSys**  
RESERVE POWER

PUBLICATION 10-05-SBS-15-004 - January 2014

[illegible]



## SAFETY DATA SHEET

Form #: SDS 1032 (01/2016)

Revised: All

Submitted: All

ESD #: 1002134

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**Section 1: Product Identification**

*Notary records may be printed upon your request.*

**Product Name:** EASYS

**Chemical Name:** EASYS

**Manufacturer:** EASYS

**Product Use:** EASYS

**Section 2: Hazard Identification**

**Signal Word:** DANGER

**Hazard Statements:** H302, H312, H332, H410

**Precution Statements:** P201, P202, P273, P501

**Environmental Precautions:** Do not release to the environment. Do not use near water bodies.

**Section 3: Composition/Information on Ingredients**

**Chemical Name:** EASYS

**Chemical Formula:** EASYS

**Chemical Structure:** EASYS

**Chemical Name:** EASYS

**Chemical Formula:** EASYS

**Chemical Structure:** EASYS

**Section 4: First Aid Measures**

**Oral:** If swallowed, do not induce vomiting. Seek medical attention immediately.

**Inhalation:** If inhaled, move to fresh air. Seek medical attention if symptoms persist.

**Eye Contact:** If in eyes, flush with water for at least 15 minutes. Seek medical attention if irritation persists.

**Skin Contact:** If on skin, wash with soap and water. Seek medical attention if irritation persists.

**Section 5: Fire Fighting Measures**

**Flammable:** No

**Explosive:** No

**Flammable (Gases):** No

**Flammable (Liquids):** No

**Flammable (Solids):** No

**Section 6: Accidental Release Measures**

**Spill/Leak:** Contain and clean up immediately. Do not allow to enter drains or water bodies.

**Spill/Leak:** Contain and clean up immediately. Do not allow to enter drains or water bodies.

**Spill/Leak:** Contain and clean up immediately. Do not allow to enter drains or water bodies.

**Section 7: Handling and Storage**

**Handling:** Use appropriate PPE. Avoid contact with skin and eyes.

**Storage:** Store in a cool, dry place. Keep away from heat and fire.

**Storage:** Store in a cool, dry place. Keep away from heat and fire.

**Section 8: Exposure Controls/Personal Protection**

**Exposure Controls:** Use appropriate PPE. Avoid contact with skin and eyes.

**Personal Protection:** Use appropriate PPE. Avoid contact with skin and eyes.

**Personal Protection:** Use appropriate PPE. Avoid contact with skin and eyes.

**Section 9: Physical and Chemical Properties**

**Appearance:** White powder

**Odor:** No odor

**Color:** White

**Form:** Powder

**Section 10: Stability and Reactivity**

**Stability:** Stable under normal conditions.

**Reactivity:** No known reactions.

**Reactivity:** No known reactions.

**Section 11: Toxicological Information**

**Toxicity:** No known toxicity.

**Toxicity:** No known toxicity.

**Toxicity:** No known toxicity.

**Section 12: Ecotoxicological Information**

**Ecotoxicity:** No known ecotoxicity.

**Ecotoxicity:** No known ecotoxicity.

**Ecotoxicity:** No known ecotoxicity.

**Section 13: Disposal**

**Disposal:** Dispose of in accordance with local regulations.

**Disposal:** Dispose of in accordance with local regulations.

**Disposal:** Dispose of in accordance with local regulations.

**Section 14: Other Information**

**Other Information:** No other information.

**Other Information:** No other information.

**Other Information:** No other information.

**Section 15: Revision History**

**Revision History:** No revision history.

**Revision History:** No revision history.

**Revision History:** No revision history.

**Section 16: Declaration**

**Declaration:** No declaration.

**Declaration:** No declaration.

**Declaration:** No declaration.

**Section 17: Additional Information**

**Additional Information:** No additional information.

**Additional Information:** No additional information.

**Additional Information:** No additional information.

**Section 18: Contact Information**

**Contact Information:** No contact information.

**Contact Information:** No contact information.

**Contact Information:** No contact information.

**Section 19: Legal Information**

**Legal Information:** No legal information.

**Legal Information:** No legal information.

**Legal Information:** No legal information.

**Section 20: Other Information**

**Other Information:** No other information.

**Other Information:** No other information.

**Other Information:** No other information.

**Section 21: Declaration**

**Declaration:** No declaration.

**Declaration:** No declaration.

**Declaration:** No declaration.

**Section 22: Additional Information**

**Additional Information:** No additional information.

**Additional Information:** No additional information.

**Additional Information:** No additional information.

**Section 23: Contact Information**

**Contact Information:** No contact information.


**Contact Information:** No contact information.

**Contact Information:** No contact information.

**Section 24: Legal Information**

**Legal Information:** No legal information.

**Legal Information:**

 <small>PowerSource Alternatives</small>	<b>Safety Data Sheet</b>		Form # SDS 05/2017 Revised: AG Superseded by: 05/10/18 <b>CSG1801</b>
	EnerSys warrants performance against contamination from depletion in the atmosphere due to emissions of COV's and other volatile distilling chemicals (COV's) defined by the CDEPA in Class I emissions. It warrant to Section 611 of the Clean Air Act Amendments (CAAA) of 1990. Rebased on January 19, 1993, EnerSys warranted a practice to eliminate the use of Class I COV's prior to the May 15, 1993 deadline.		
<b>STATE REGULATIONS</b> Pennsylvania 610 Wisconsin, Battery packs, hazardous and related accessories remain but will not, respectively, chemically harm or the State of California to cause injury and immediate harm. However also correct other chemical harm to the State of California to cause injury. Such limits after handling.			
<b>INTERNATIONAL REGULATIONS</b> Distribution laws Québec in follow Canadian Chemical Product Regulations (CCPR 2421 and 2422)			
Distribution into the EU in follow applicable EU directives by the USA, requires report of the product model.			
Article 11 (1) of the REACH regulation (EC 1907/2006), which entered into force on 1 <sup>st</sup> of June 2007 in the European Union, reads as: Our manufacturers remain in the process of reduction of Very High Chemical (VHC) in articles (final battery) in concentration greater than 0.1% by weight.			
Effective the 27 <sup>th</sup> of June 2018, the European Chemical Agency (ECHA) restricted the Candidate List with the inclusion of Lead Acid (CAS No. 7439-92-1). This restriction of Lead as an SVHC applies to all of EnerSys Lead based battery products regardless of the finished. (Final. Cat. AGS, p. 3)			
<b>ENVIRONMENTAL INFORMATION</b> Hazardous: <b>4.01010</b>			
<b>WFA Hazard Statement for Sulphuric Acid:</b> Flammability (H228) = 3 Health (H314) = 2		Reactivity (H252) = 1 Irritation and is water sensitive if concentrated.	
<b>DISCLAIMER</b> This Safety Data Sheet is issued by the manufacturer in conformity with the requirements of 29 CFR 1910.1200. It is the intent issued by law, the manufacturer hereby warrants distribution and liability to any other 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.			

Page 6

#### Construction

- Potent positive plates are designed to printing service life and enhance corrosion resistance
- Separators are the resistance membrane (AGM). The electrolyte is absorbed within the AGM, preventing any leaks in case of accidental damage
- Container and cover is made from ultra-high molecular weight polyethylene to shock and vibration
- Terminals are hardened steel with screws with hot-dipped zinc-plated alloy brass. Top and front access terminals provide maximum conductivity
- Self-regulating air vent pressure relief valves internally regulate air atmospheric pressure

#### Installation and Operation

- Space efficient products
- VRLA design, reduces maintenance requirements
- Long floating life for easy handling
- Greater than 10 year life expectancy in float service at 77°F (25°C)
- Increased active material surface area yields great VRLA capacity
- Operating temperature: -40°F (-40°C) to 125°F (50°C)  
Recommended temperature: 68°F (20°C) to 80°F (27°C)

#### Standards

- Meets criteria for "sealed" batteries
- Complies with "National Electrical Manufacturers Institute Building System (NEBS)" Type I criteria
- The management systems governing the manufacture of this product are ISO 9001:2000 and ISO 14001:2004 certified

#### General Specifications

Cell Type	Nominal Voltage		Capacity at 25°C										Weight	
	10 V (nominal)	5 V (nominal)	Length	Width	Height	Depth	Weight	Weight	Weight	Weight	Weight	Weight	Weight	Weight
SDS 80P	31	31	11.9	301	2.8	87	8.3	109	33.7	10.5				
SDS 810P	48	48	11.9	301	5.8	87	17.8	184	78.0	15.8				
SDS 815P	60	60	11.9	301	5.8	87	18.0	264	102.0	16.1				
SDS 815P	60	60	11.9	417	4.1	106	19.1	258	81.8	26.8				
SDS 811P	100	100	11.9	364	4.3	106	11.3	267	71.9	34.5				
SDS 110P	100	100	11.9	364	4.3	106	11.3	267	80.9	35.1				
SDS 112P	110	110	11.9	455	4.6	119	8.4	258	106.8	41.7				
SDS 140P	140	140	11.9	455	4.6	119	10.8	275	111.4	50.5				
SDS 150P	150	150	11.9	561	4.6	126	11.3	283	116.7	52.5				
SDS 150P	150	150	11.9	561	4.6	126	11.3	283	138.7					

SDS 80P-110P

SDS 811P

SDS 100P-112P

SDS 140P-150P

**ALPINE**  
POWER SYSTEMS

#### Battery Services for Backup Power

- Battery Installation
- Capacity and Acceptance
- Performance Maintenance

backup

telecom

datacom

motive

connect@alpinepowersystems.com

Issued For:  
**CVL02811**  
**YERINGTON**  
402 NORTH MAIN STREET  
YERINGTON, NV 89447  
FA# 15758529  
USID# 317743

Prepared For:

 **at&t**

5001 Executive Parkway  
San Ramon, California 94583


Vendor:

**EPIC**  
**WIRELESS GROUP LLC**  
*Connecting a Wireless World*  
605 Coolidge Drive, Suite 100  
Folsom, California 95630

AT&T SITE NO:	CVL02811
PROJECT NO:	22-008
DRAWN BY:	BW
CHECKED BY:	BW

3		
2		
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C		
B	6/20/2022	100% ZD SUB
A	6/3/2022	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 THIS DOCUMENT.

Designer / Engineer:

**N**  
**S**  
**S**  
**E**

Norman  
Scheel  
Structural  
Engineer

1989 - 2022  
**33**  
YEARS OF  
EXCELLENCE  
Norman Scheel  
Structural Engineer

5022 Sunrise Blvd.  
Emeryville, California 94608

Sheet Title:

BATTERY  
SPECIFICATIONS

Sheet Number:  
**GN-3**

114

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

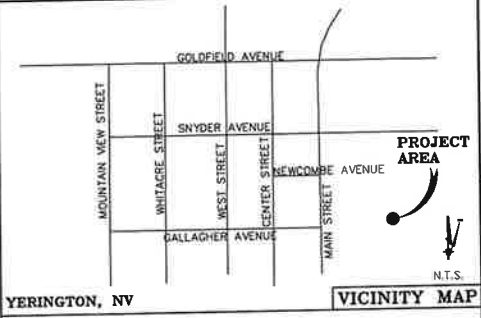
DATE OF SURVEY: 04-27-22  
SURVEYED BY OR UNDER DIRECTION OF: KENNETH D. GEIL, P.L.S. 13385  
LOCATED IN THE COUNTY OF LYON, STATE OF NEVADA  
BEARINGS SHOWN ARE BASED UPON MONUMENTS FOUND AND RECORD INFORMATION. THIS IS NOT A BOUNDARY SURVEY.  
ELEVATIONS SHOWN ON THIS PLAN ARE BASED UPON U.S.G.S. N.A.V.D. 88 DATUM, ABOVE MEAN SEA LEVEL.  
N.G.V.D. 1929 CORRECTION: SUBTRACT 3.38' FROM ELEVATIONS SHOWN.  
CONTOUR INTERVAL: N/A  
CONTRACTOR IS RESPONSIBLE TO VERIFY LEASE AREA PRIOR TO CONSTRUCTION.  
ASSESSOR'S PARCEL NUMBER: 001-059-02  
OWNER(S): PETE AIAZZI  
36 PANAVISTA CIRCLE  
YERINGTON, NV 89447

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.

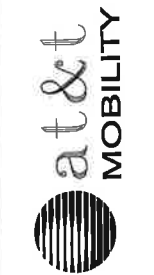
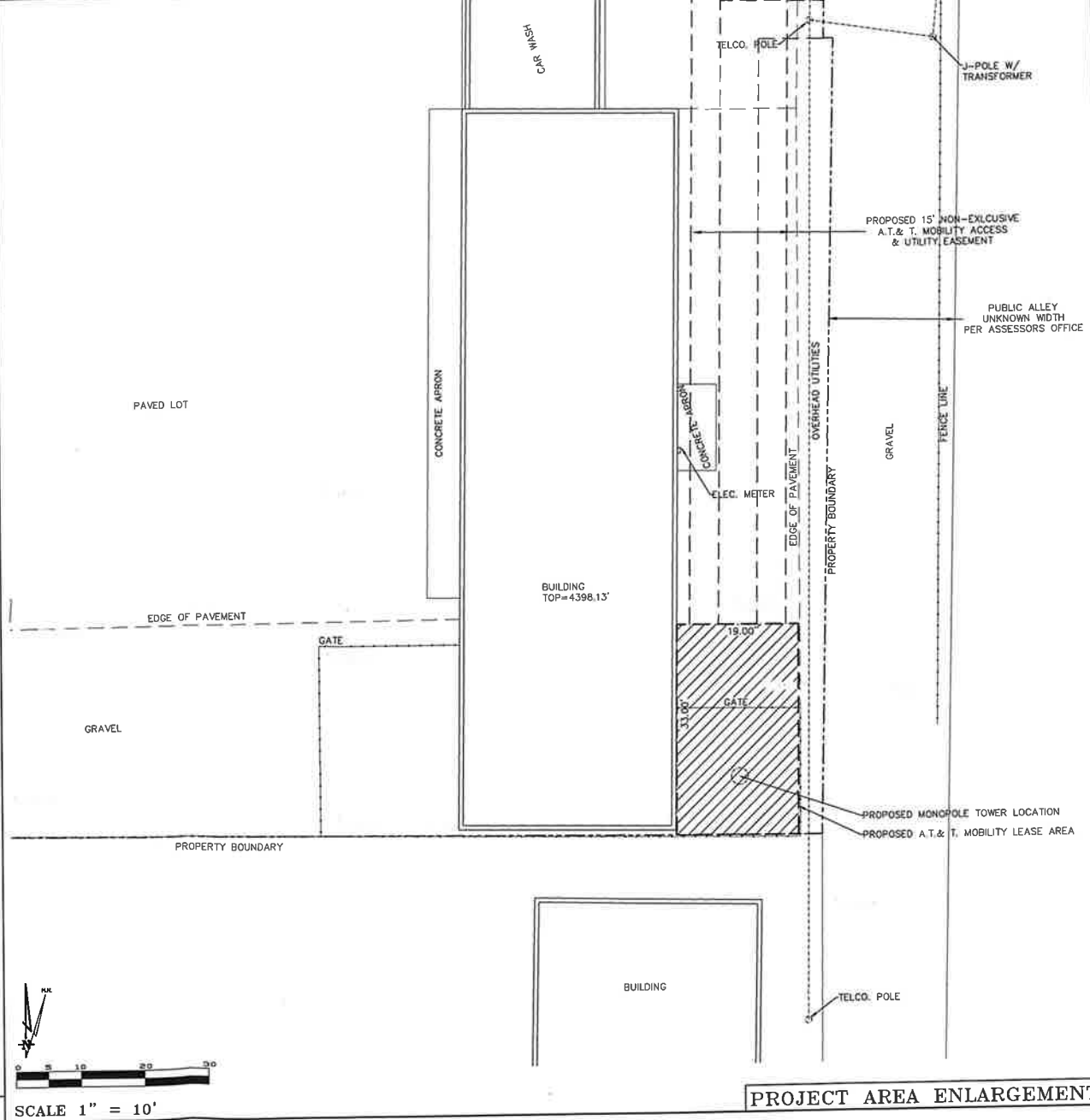
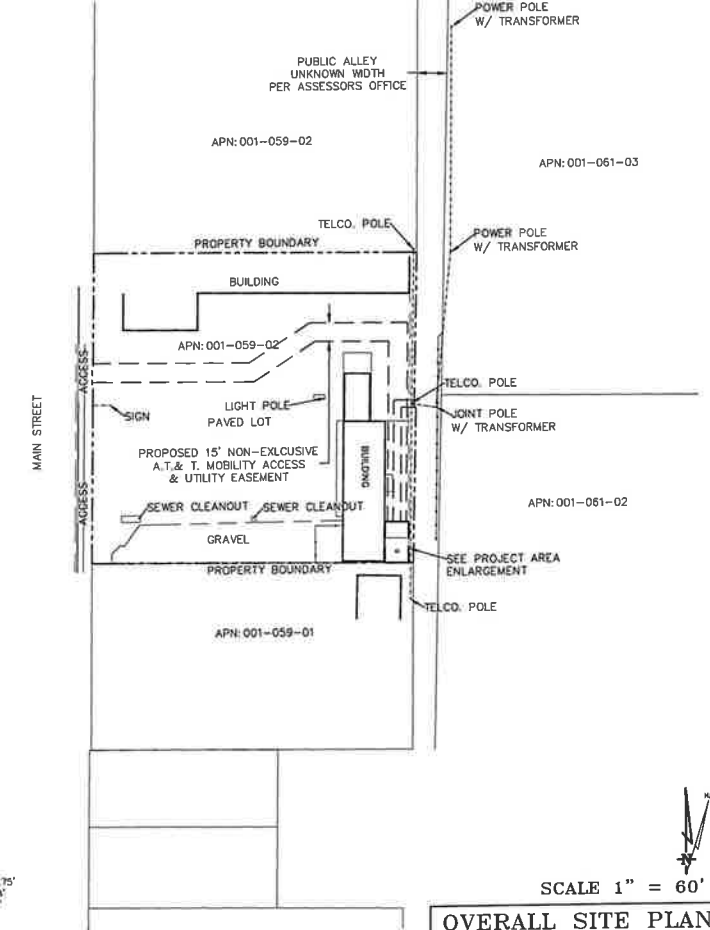
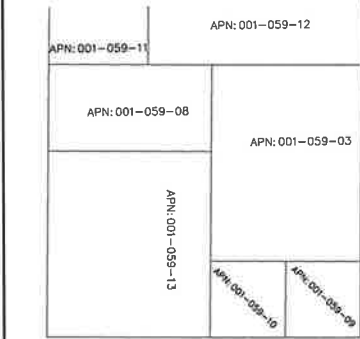
Geil Engineering  
Engineering • Surveying • Planning  
1226 High Street  
Auburn, California 95603-5015  
Phone: (530) 885-0426 • Fax: (530) 823-1309  
A.T. & T. Mobility  
Project No./Name: CVL02811 / Yerington  
Project Site Location: 402 North Main Street  
Yerington, NV 89447  
Lyon County  
Date of Observation: 04-27-22  
Equipment/Procedure Used to Obtain Coordinates: Trimble Pathfinder Pro XL post processed with Pathfinder Office software.  
Type of Antenna Mount: Proposed Monopole Tower  
Coordinates (Tower)  
Latitude: N 38° 59' 32.37" (NAD83) N 38° 59' 32.67" (NAD27)  
Longitude: W 119° 09' 43.86" (NAD83) W 119° 09' 40.31" (NAD27)  
ELEVATION of Ground at Structure (NAVD88) 4383' 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 51:003, and that they are true and accurate to the best of my knowledge and belief.  
Kenneth D. Geil Nevada PLS 13385

Lease Area Description  
All that certain lease area being a portion of that certain Parcel 2 as is described in that certain Deed recorded on September 5, 1984 as Document No. 88166, Official Records of Lyon County, State of Nevada, being a portion of the NW 1/4 of Section 14, Township 13 North, Range 25 East, M.D.B. & M., being more particularly described as follows:  
Commencing at a standard monument in well set for the West 1/4 corner of said Section 14 as shown on that certain Parcel Map filed for record at File No. 404082, from which a similar monument bears North 00°43'20" East 1354.77 feet; thence from said point of commencement North 20°30'39" East 814.76 feet to the True Point of Beginning; thence from said point of beginning South 89°25'40" East 19.00 feet; thence North 00°34'20" West 33.00 feet; thence North 89°25'40" West 19.00 feet; thence South 00°34'20" East 33.00 feet to the point of beginning.  
Together with 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°48'22" West 152.79 feet; thence North 89°25'40" West 69.17 feet; thence South 57°17'08" West 58.51 feet; thence North 89°25'40" West 127.8 feet more or less to the public right of way more commonly known as Main Street.  
Also together with a non-exclusive easement for utility purposes ten 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°48'22" West 94.95 feet; thence South 89°16'40" East 13.2 feet more or less to the Westerly property boundary.



DEPT	APPROVED	DATE
ACC		
RE		
RF		
INT		
ECN		
OPS		
EE/OUT		

Surveyor  
CEIL ENGINEERING  
ENGINEERING • SURVEYING • PLANNING  
AUBURN, CALIFORNIA 95603  
Phone: (530) 885-0426  
Fax: (530) 823-1309

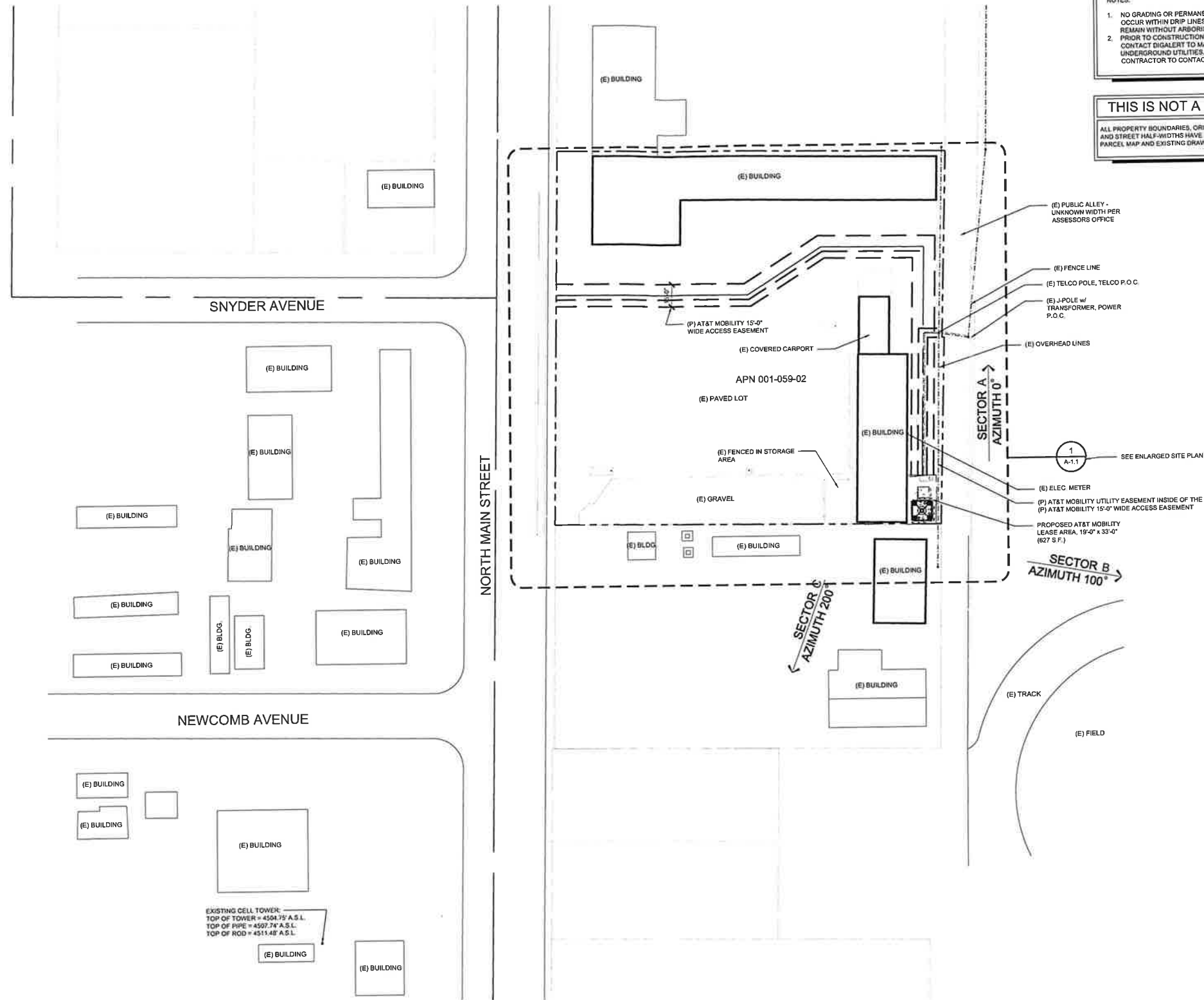


CVL02811  
YERINGTON  
402 NORTH MAIN STREET  
YERINGTON, CA 89447  
PLOT PLAN AND  
SITE TOPOGRAPHY

REVISIONS	DRAWING SUBMITTAL
REV 04-28-22	N. RUDGE
REV 05-01-22	LEASE AREA PLACED
REV 05-01-22	N. RUDGE
REV	
REV	
REV	

Sheet  
C-1





NOTES:  
1. NO GRADING OR PERMANENT CONSTRUCTION SHALL OCCUR WITHIN DRIP LINES OF TREES THAT ARE TO REMAIN WITHOUT ARBORIST APPROVAL.  
2. PRIOR TO CONSTRUCTION, GENERAL CONTRACTOR TO CONTACT DIGALERT TO MARK OUT EXISTING UNDERGROUND UTILITIES. IN THE EVENT OF CONFLICTS, CONTRACTOR TO CONTACT PDC.

**THIS IS NOT A SITE SURVEY**  
ALL PROPERTY BOUNDARIES, ORIENTATION OF TRUE NORTH AND STREET HALF-WIDTHS HAVE BEEN OBTAINED FROM A TAX PARCEL MAP AND EXISTING DRAWINGS AND ARE APPROXIMATE.

Issued For:  
**CVL02811**  
**YERINGTON**  
402 NORTH MAIN STREET  
YERINGTON, NV 89447  
FAR 15758529  
USID# 317743

Prepared For:  
  
5001 Executive Parkway  
San Ramon, California 94583

Vendor:  
  
**WIRELESS GROUP LLC**  
Connecting a Wireless World  
605 Coolidge Drive, Suite 100  
Folsom, California 95630

AT&T SITE NO: CVL02811  
PROJECT NO: 22-008  
DRAWN BY: BW  
CHECKED BY: BW

REV	DATE	DESCRIPTION
3		
2		
1		
0		
C		
B	6/20/2022	100% ZD SUB.
A	6/3/2022	90% ZD SUB.

Licensee:

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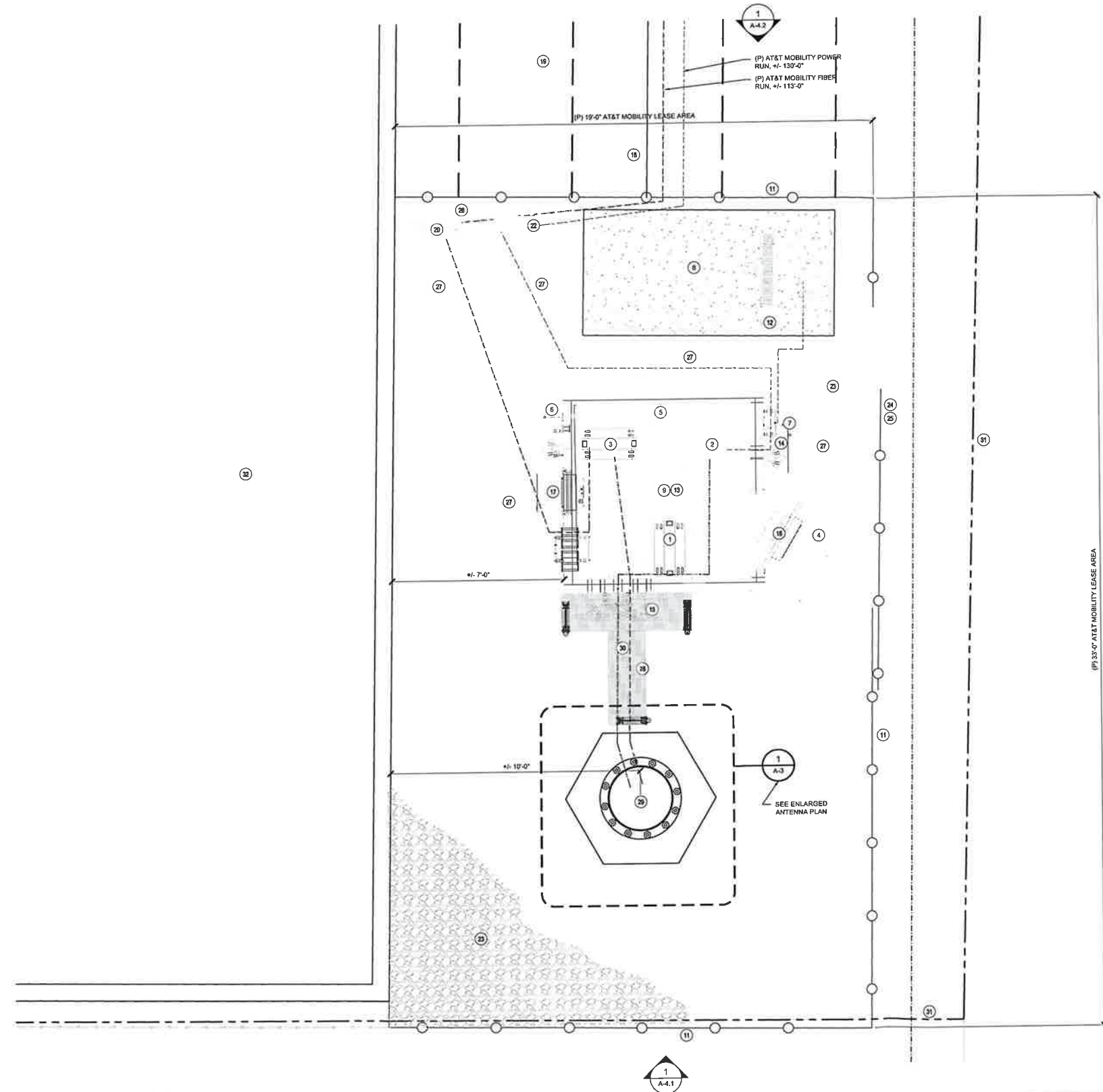
Designer / Engineer:  
**Norman Scheel Structural Engineer**  
33 YEARS OF EXCELLENCE  
5022 Sunrise Blvd.  
Fair Oaks, California 95628

Sheet Title:  
**OVERALL SITE PLAN**

Sheet Number:  
**A-1**

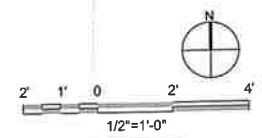






**KEYNOTES**

- 1 (N) RF RACK #1 (2) 6030 MBRU/1A INSTALLED IN RACK
- 2 (N) POWER PLANT RACK W/ (2) STRING OF BATTERIES, INSTALL (12) RECTIFIERS WITH DOPP IN RACK
- 3 (N) RF RACK #2
- 4 (N) 4"x4" CONCRETE STOOD
- 5 (N) 5A 250C RATED FIRE EXTINGUISHER IN WEATHER RESISTANT CABINET
- 6 (N) GPS UNIT
- 7 (N) CAMLOCK INTEGRATED INTERFACE ON LOAD CENTER
- 8 (N) 200W AC DIESEL STANDBY GENERATOR W/ LEVEL 2 ACOUSTIC ENCLOSURE & ATTACHED 160 GAL CAPACITY BATTERY TANK
- 9 (N) 200' SHELTER SLAB
- 10 (E) CHAIN LINK FENCING
- 11 (N) 6'-0" TALL CHAIN LINK FENCING W/ 3 ROWS OF STRANDED BARB WIRING
- 12 (N) 5'x10' GENERATOR SLAB
- 13 (N) AT&T 6'-0" x 8'-0" CELLXON SAT/TS WALK IN SHELTER
- 14 (N) INTERSECT 200A INTEGRATED LOAD CENTER W/ INTEGRATED 200A AUTOMATIC TRANSFER SWITCH W/ BYPASS TEST FACILITY & INTEGRATED CAMLOCK
- 15 (N) SPD BOX MOUNTED ON WIC
- 16 (N) HVAC UNIT PROVIDED WITH WALK IN EQUIPMENT SHELTER
- 17 (N) HVAC DAMPER HOOD
- 18 (N) NON-EXCLUSIVE 4'-0" WIDE AT&T MOBILITY UTILITY EASEMENT
- 19 (N) NON-EXCLUSIVE 10'-0" AT&T MOBILITY ACCESS EASEMENT
- 20 (N) FIBER CORDA / HOFFMAN BOX MOUNTED ON (N) H-FRAME
- 21 NOT USED
- 22 (N) 200A METER (N) H-FRAME
- 23 (N) GRAVEL BED OVER MAIZE WEED BARRIER THROUGHOUT AT&T COMPOUND
- 24 (N) 12'-0" SLIDING CHAIN LINK FENCE GATE W/ KNOX BOX FOR FIRE
- 25 (N) CARRIER CONTACT STORAGE AT GATE
- 26 (N) UTILITY H-FRAME
- 27 NEC CLEAR WORKING AREA TYPICAL
- 28 (N) ICE BRIDGE, 6'-0" LONG AT SHELTER, 4'-0" TO MONOPOLE
- 29 (N) 90'-0" TALL AT&T MOBILITY MONOPOLE & FOUNDATION
- 30 (N) (1) DC TRUNKS / (2) FIBER TRUNKS RUN FROM SHELTER TO ANTENNAS ON TOWER, +/- 90'-0"
- 31 (E) PROPERTY LINE
- 32 (E) BUILDING



17 ENLARGED EQUIPMENT PLAN  
1/2" = 1'-0"

Issued For:

**CVL02811**

**YERINGTON**

402 NORTH MAIN STREET  
YERINGTON, NV 89447  
FA# 15758529  
USID# 317743

Prepared For:

5001 Executive Parkway  
San Ramon, California 94583

Vendor:

**WIRELESS GROUP LLC**  
*Connecting a Wireless World*  
605 Coolidge Drive, Suite 100  
Folsom, California 95630

AT&T SITE NO: CVL02811

PROJECT NO: 22-008

DRAWN BY: BW

CHECKED BY: BW

REV	DATE	DESCRIPTION
3		
2		
1		
0		
C		
B	6/20/2022	100% ZD SUB.
A	6/3/2022	90% ZD SUB.

Licensee:

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Designer / Engineer:

**Norman Scheel Structural Engineer**  
5022 Sunrise Blvd.  
Fair Oaks, California 95628

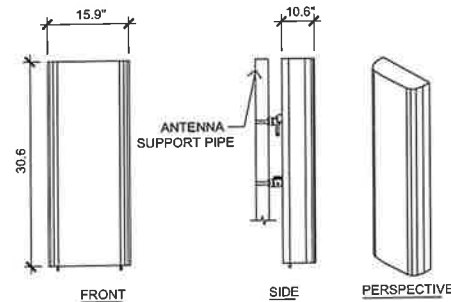
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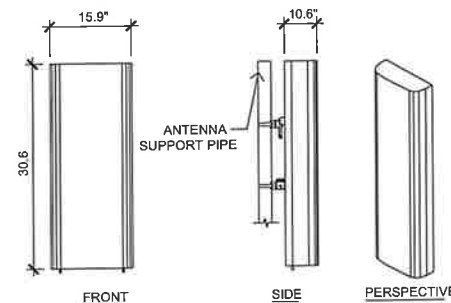
Sheet Number:

**A-2**





ANTENNA = ERICSSON - AIR6449 B77D  
WEIGHT = 150.0 LBS  
DIMENSIONS = 30.6\"/>

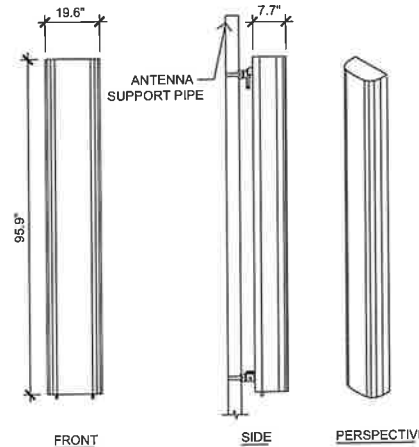


ANTENNA = ERICSSON - AIR6449 B77D  
WEIGHT = 150.0 LBS  
DIMENSIONS = 30.6\"/>

#### 5 PROPOSED ANTENNA SPEC

NOT TO SCALE

EQUIPMENT SUBJECT TO CHANGE

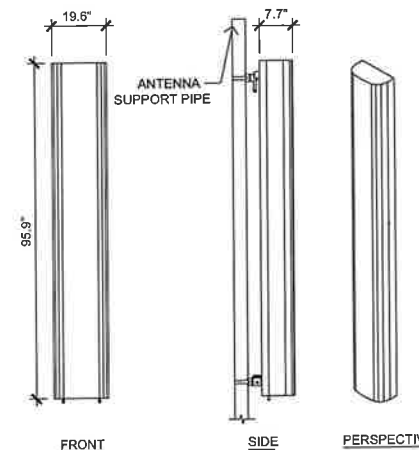


ANTENNA = COMMScope NNHH-65C-R4  
WEIGHT = 86.4 LBS  
DIMENSIONS = 95.9\"/>

#### 4 PROPOSED ANTENNA SPEC

NOT TO SCALE

EQUIPMENT SUBJECT TO CHANGE



ANTENNA = COMMScope NNHH-65C-R8D  
WEIGHT = 131.1 LBS  
DIMENSIONS = 95.9\"/>

#### 3 PROPOSED ANTENNA SPEC

NOT TO SCALE

#### RF SCHEDULE

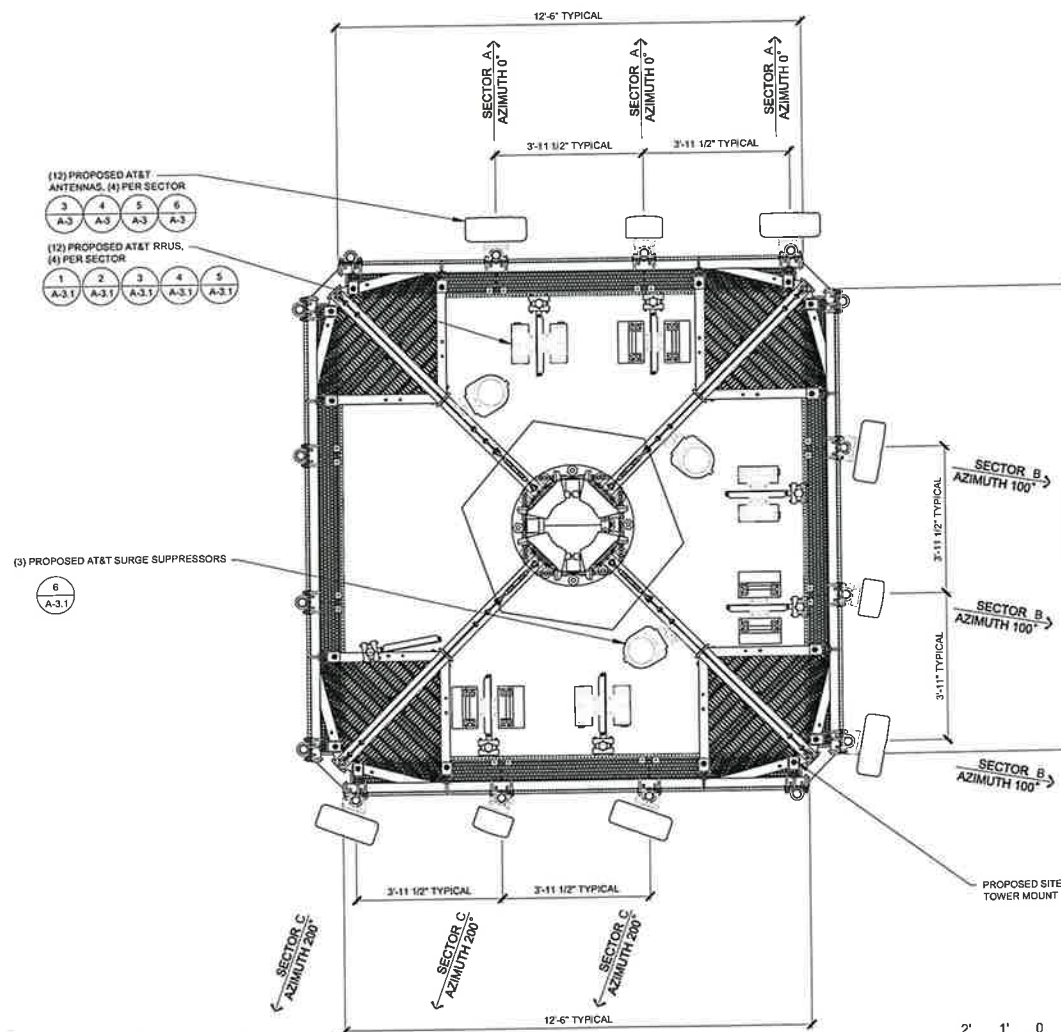
SECTOR		ANTENNA MODEL NO.	AZIMUTH	CENTERLINE	RRH	TMA	FIBER LENGTH	COAX LENGTH	JUMPER TYPE	RRU NO.	DC FEE
ALPHA	A1	COMMSCOPE - NNHH-65C-R8-HG	0°	± 86°-0"	(1) 4449 B5/B12 / (1) 8843 B2/B66	-	± 60M	-	LDF4	(2)	(4)
	A2	ERICSSON - AIR 6449 B77D +AIR 6419 B77G STACKED	0°	± 86°-0"	INTEGRATED	-	± 60M	-	LDF4	-	(1)
	A3	COMMSCOPE - NNHH-65C-R8-HG	0°	± 86°-0"	(1) 4478 B14 / (1) 4415 B25	-	± 60M	-	LDF4	(2)	(1)
	-	-	-	-	-	-	-	-	-	-	-
BETA	B1	COMMSCOPE - NNHH-65C-R8-HG	100°	± 86°-0"	(1) 4449 B5/B12 / (1) 8843 B2/B66	-	± 60M	-	LDF4	(2)	(4)
	B2	ERICSSON - AIR 6449 B77D +AIR 6419 B77G STACKED	100°	± 86°-0"	INTEGRATED	-	± 60M	-	LDF4	-	(1)
	B3	COMMSCOPE - NNHH-65C-R8-HG	100°	± 86°-0"	(1) 4478 B14 / (1) 4415 B25	-	± 60M	-	LDF4	(2)	(1)
	-	-	-	-	-	-	-	-	-	-	-
GAMMA	C1	COMMSCOPE - NNHH-65C-R8-HG	200°	± 86°-0"	(1) 4449 B5/B12 / (1) 8843 B2/B66	-	± 60M	-	LDF4	(2)	(4)
	C2	ERICSSON - AIR 6449 B77D +AIR 6419 B77G STACKED	200°	± 86°-0"	INTEGRATED	-	± 60M	-	LDF4	-	(1)
	C3	COMMSCOPE - NNHH-65C-R8-HG	200°	± 86°-0"	(1) 4478 B14 / (1) 4415 B25	-	± 60M	-	LDF4	(2)	(1)
	-	-	-	-	-	-	-	-	-	-	-

#### 2 RF SCHEDULE

NO SCALE

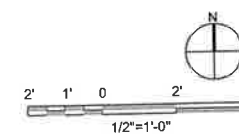
RF DATA SHEET 1, v1.00 DATED 06/17/2022

NOTE: ANTENNA POSITIONS ARE LEFT TO RIGHT FROM FRONT OF ANTENNA  
EQUIPMENT IS PRELIMINARY AND SUBJECT TO CHANGE.



#### 1 ENLARGED ANTENNA PLAN

1/2\"/>



Issued For:

CVL02811

YERINGTON

402 NORTH MAIN STREET  
YERINGTON, NV 89447  
FAR 15758529  
USID# 317743

Prepared For:



5001 Executive Parkway  
San Ramon, California 94583

Vendor:



605 Coolidge Drive, Suite 100  
Folsom, California 95630

AT&T SITE NO: CVL02811

PROJECT NO: 22-008

DRAWN BY: BW

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REV	DATE	DESCRIPTION
3		
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C		
B	6/20/2022	100% ZD SUB.
A	6/3/2022	90% ZD SUB.

Licenses:



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UNDER THE DIRECTION OF A LICENSED  
PROFESSIONAL ENGINEER, TO ALTER THIS  
DOCUMENT.

Designer / Engineer:



5022 Sunrise Blvd.  
Fair Oaks, California 95628

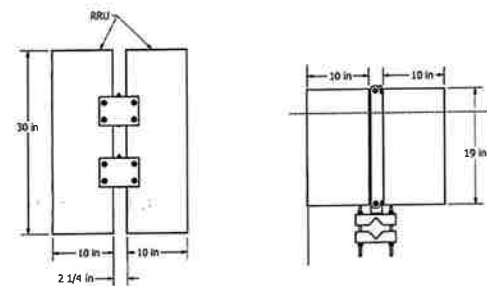
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ANTENNA PLAN,  
SCHEDULE &  
DETAILS

Sheet Number:

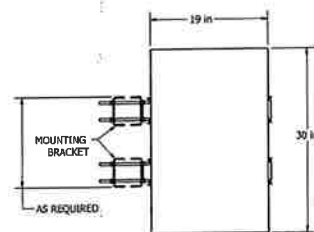
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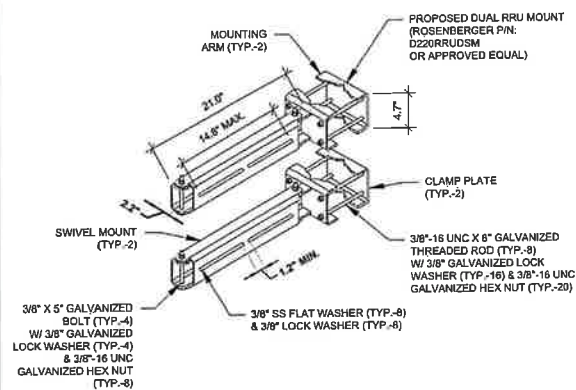


END VIEW

TOP VIEW



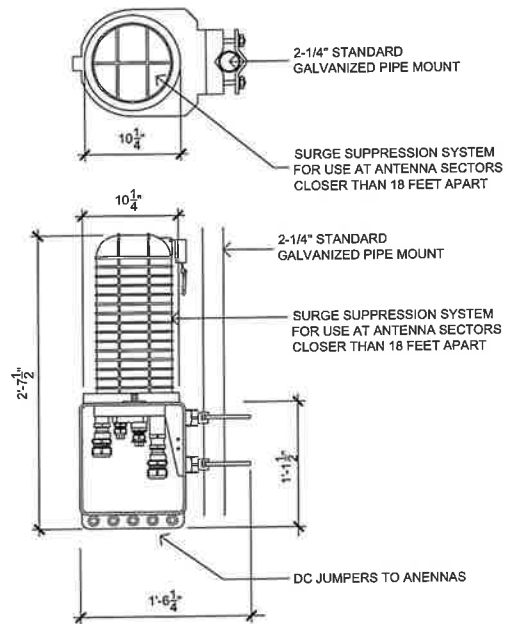
SIDE VIEW



7 ROSENBERGER D220RRUDSM DUAL RRU MOUNT  
1-1/2" = 1'-0"

#### RAYCAP DC9-48-60-24-8C-EV SURGE SUPPRESSION SOLUTION

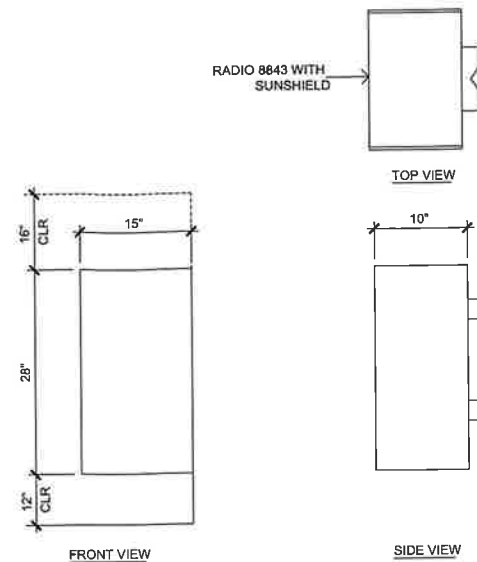
COLOR: BLACK/SILVER  
DIMENSIONS: 10.25" DIA X 2-7.5" TALL W/ 1'-1.5" BASE  
WEIGHT: 26.2 LBS. ±



6 DC SURGE SUPPRESSION (SQUID)  
1-1/2" = 1'-0"

#### ERICSSON RADIO 8843 REMOTE RADIO UNIT

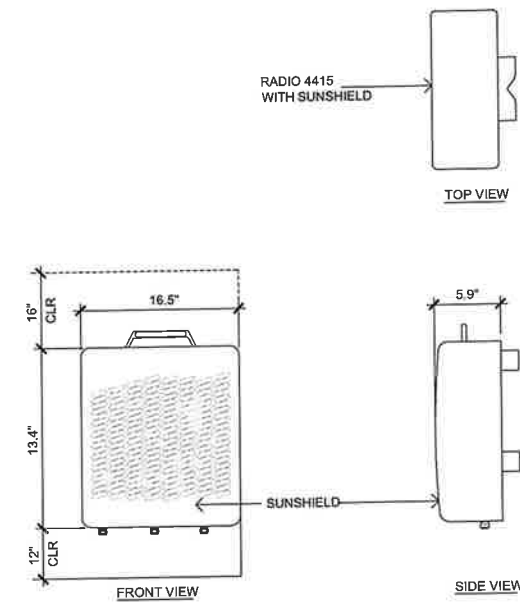
COLOR: WHITE  
DIMENSIONS: 28" TALL X 15" WIDE X 10" DEEP (INCLUDING SUNSHIELD)  
WEIGHT: 85 LBS. ± (INCLUDING MOUNTING HARDWARE)



4 ERICSSON RADIO 8843 REMOTE RADIO UNIT  
1-1/2" = 1'-0"

#### ERICSSON RADIO 4415 B25 REMOTE RADIO UNIT

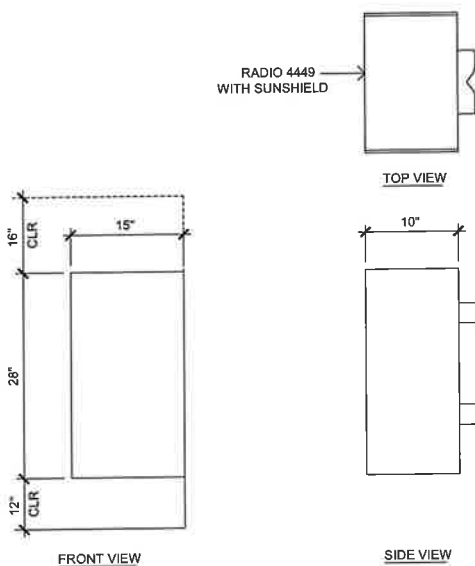
COLOR: WHITE  
DIMENSIONS: 16.5" TALL X 13.4" WIDE X 5.9" DEEP (INCLUDING SUNSHIELD)  
WEIGHT: 46 LBS. ± (INCLUDING MOUNTING HARDWARE)



2 ERICSSON RADIO 4415 REMOTE RADIO UNIT  
1-1/2" = 1'-0"

#### ERICSSON RADIO 4449 REMOTE RADIO UNIT

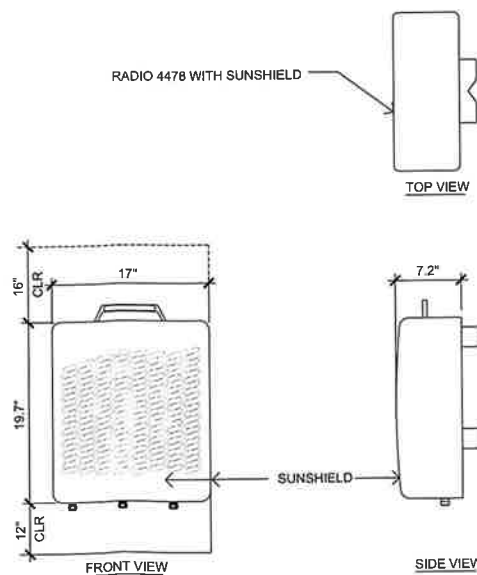
COLOR: WHITE  
DIMENSIONS: 28" TALL X 15" WIDE X 10" DEEP (INCLUDING SUNSHIELD)  
WEIGHT: 85 LBS. ± (INCLUDING MOUNTING HARDWARE)



5 ERICSSON RADIO 4449 REMOTE RADIO UNIT  
1-1/2" = 1'-0"

#### ERICSSON RADIO 4478 REMOTE RADIO UNIT

COLOR: WHITE  
DIMENSIONS: 19.7" TALL X 17" WIDE X 7.2" DEEP (INCLUDING SUNSHIELD)  
WEIGHT: +/- 50 LBS. (INCLUDING MOUNTING HARDWARE)



3 ERICSSON RADIO 4478 REMOTE RADIO UNIT  
1-1/2" = 1'-0"

Issued For:

CVL02811

YERINGTON

402 NORTH MAIN STREET  
YERINGTON, NV 89447  
FAX 15758529  
USID# 317743

Prepared For:

**at&t**  
5001 Executive Parkway  
San Ramon, California 94583

Vendor:

**EPIC**  
WIRELESS GROUP LLC  
Connecting a Wireless World  
605 Coolidge Drive, Suite 100  
Folsom, California 95630

AT&T SITE NO: CVL02811

PROJECT NO: 22-008

DRAWN BY: BW

CHECKED BY: BW

REV	DATE	DESCRIPTION
3		
2		
1		
0		
C		
B	6/20/2022	100% ZD SUB.
A	6/2/2022	90% ZD SUB.

Licensee:



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Designer / Engineer:

**Norman Scheel**  
Structural Engineer  
33 YEARS OF EXCELLENCE  
5022 Sunrise Blvd.  
Fair Oaks, California 95628

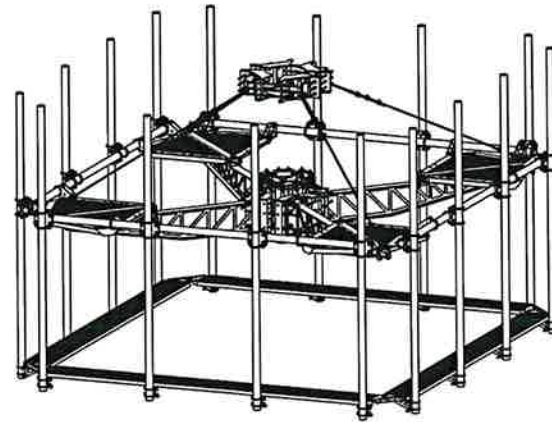
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RRH DETAILS

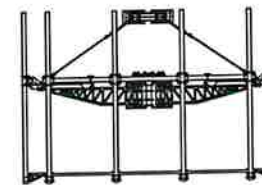
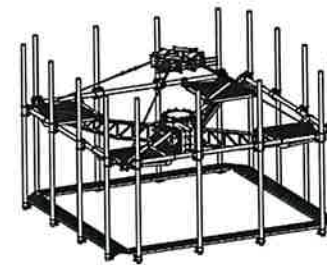
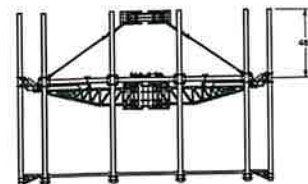
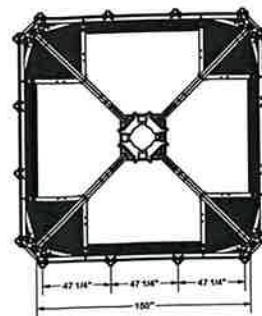
Sheet Number:

**A-3.1**





ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	4	X-LPP-SA14	SIDE ARM WELDMENT FOR 14' LOW PROFILE PLATFORM		151.68	606.71
2	4	X-LPP-CW	LOW PROFILE PLATFORM CORNER WELDMENT		118.75	795.01
3	4	X-RM4HD	WELDMENT FOR 4-SIDED HEAVY DUTY RING MOUNT		11.27	256.08
4	4	X-WW5P4	WALKWAY SUPPORT PLATE FOR 4-SIDED PLATFORM	12 in	13.00	52.01
5	16	X-LPP-PC	FACE PIPE CONNECTION BRACKET FOR TRUSS PLATFORM		7.61	112.16
6	16	X-WW5B	WALKWAY SUPPORT BRACKET		6.73	107.67
7	16	X-SCX3-FB	FOR TRUSS CROSSOVER PLATE		8.41	134.56
8	4	CR113-12	CORNER WELDMENT ATTACHMENT ANGLE	2 1/2 in	1.27	20.33
9	4	CR113-12	12" WIDE GRIP STRUT	120 in	31.00	124.00
10	4	P30150	2-7/8" x 150" (2-1/2" SCH. 40) GALVANIZED PIPE	150 in	78.94	307.75
11	16	P30120	2-7/8" x 120" (2-1/2" SCH. 40) GALVANIZED PIPE	120 in	58.87	920.06
12	28	Q38R-46	5/8" x 46" THREADED ROD (HDG.)	46 in	8.40	11.17
13	8	Q38R-6	5/8" x 6" THREADED ROD (HDG.)	24 in	0.40	11.17
14	16	X-UB5304	5/8" x 3" x 4-1/4" x 2-1/2" U-BOLT (HDG.)		0.59	15.86
15	64	X-UB5300	5/8" x 3" x 3-1/4" x 2-1/2" U-BOLT (HDG.)		0.29	13.99
17	48	Q38V14	5/8" x 3-1/4" HDG HEX BOLT (DRIE)		0.53	0.82
18	24	AS6FW	5/8" HDG A325 FLATWASHER	1 1/8 in	0.07	15.78
19	224	Q38V14	5/8" HDG USS FLATWASHER		0.03	7.72
20	296	Q38V14	5/8" HDG LOCKWASHER		0.13	36.45
21	296	Q38V14	5/8" HDG HEAVY 2H HEX NUT		0.73	23.41
22	32	X-UB3312	3/8" x 3-1/2" x 4-3/4" x 2-1/2" U-BOLT (HDG.)		0.59	6.82
23	64	Q38V14	3/8" x 2" HDG HEX BOLT (DRIE)		0.29	13.99
24	48	Q38V14	3/8" SQUARE WASHER		0.01	1.50
25	128	Q38V14	3/8" HDG USS FLATWASHER		0.01	0.85
26	128	Q38V14	3/8" HDG LOCKWASHER		0.01	4.33
27	128	Q38V14	3/8" HDG HEAVY 2H HEX NUT		0.01	21.24
28	4	X-102290	QUAD BRACKET		0.76	3.06
29	4	X-102290	5/8" CHAIN SHACKLE		0.06	0.48
30	4	X-102290	5/8" THIMBLE		0.38	5.69
31	4	X-102290	T-BRACKET WELDMENT		13.60	54.40
32	16	G08334	5/8" UNC HEX BOLT (A325)		2.33	10.53
33	4	X-102290	5/8" TURNBUCKLE		3.50	14.02
34	4	X-102290	3/8" EHS GUY STRAND		1.32	21.04
35	16	X-102290	6/16" CABLE CLAMP		40.35	48.35
36	1	HALO	HALO			
				TOTAL WT. #	4209.82	



#### TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:  
 SAWED, SHEARED AND GAS CUT EDGES (± 0.007")  
 DRILLED AND GAS CUT HOLES (± 0.007") - NO CORING OF HOLES  
 LASER CUT EDGES AND HOLES (± 0.010") - NO CORING OF HOLES  
 BENDS ARE ± 1/2 DEGREE  
 ALL OTHER MACHINING (± 0.007")  
 ALL OTHER ASSEMBLY (± 0.007")

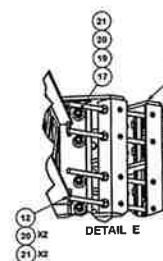
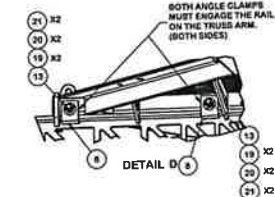
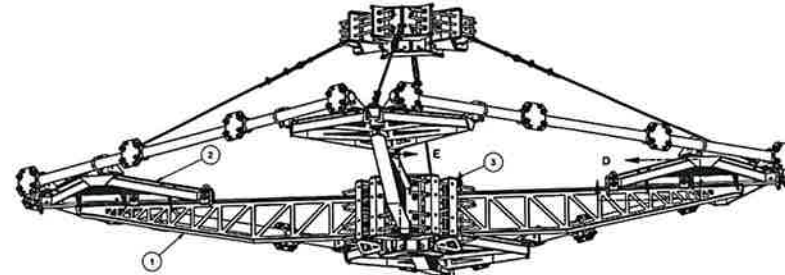
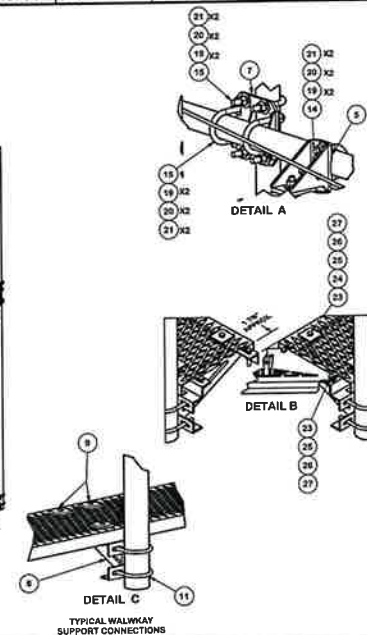
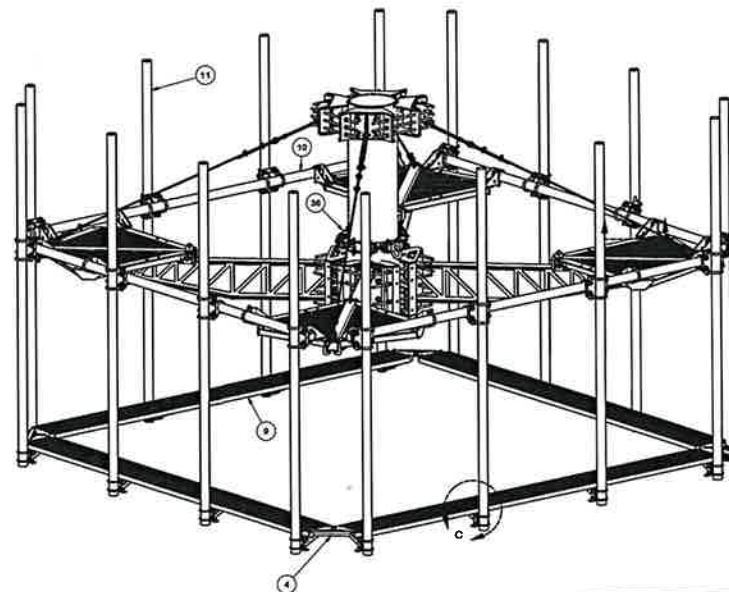
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F4P-12-H10	10/2/2017	CEK	10/2/2017	BMC	11/1/2017
F4P-12-H10	10/2/2017	CEK	10/2/2017	BMC	11/1/2017

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DESCRIPTION	DATE	BY	CHKD	APP'D	REV
F4P-12-H10	10/2/2017	CEK	10/2/2017	BMC	11/1/2017
F4P-12-H10	10/2/2017	CEK	10/2/2017	BMC	11/1/2017
F4P-12-H10	10/2/2017	CEK	10/2/2017	BMC	11/1/2017

NOTE:  
 ANTENNA MOUNTING PIPES AND WALKWAY  
 REMOVED FOR CLAIRTY



#### TOLERANCE NOTES

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 DRILLED AND GAS CUT HOLES (± 0.007") - NO CORING OF HOLES  
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F4P-12-H10	10/2/2017	CEK	10/2/2017	BMC	11/1/2017
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F4P-12-H10	10/2/2017	CEK	10/2/2017	BMC	11/1/2017

Issued For:

CVL02811

YERINGTON

402 NORTH MAIN STREET  
 YERINGTON, NV 89447  
 F4P 15758529  
 USID# 317743

Prepared For:

at&t  
 5001 Executive Parkway  
 San Ramon, California 94583

Vendor:

EPIC  
 WIRELESS GROUP LLC  
 605 Coolidge Drive, Suite 100  
 Folsom, California 95630

AT&T SITE NO: CVL02811

PROJECT NO: 22-008

DRAWN BY: BW

CHECKED BY: BW

REV	DATE	DESCRIPTION
3		
2		
1		
0		
C		
B	6/20/2022	100% 2D SUB
A	6/3/2022	80% 2D SUB

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 PROFESSIONAL ENGINEER, TO ALTER THIS  
 DOCUMENT.

Designer / Engineer:

Norman  
 Scheel  
 Structural  
 Engineer  
 5022 Sunrise Blvd.  
 Fair Oaks, California 95628

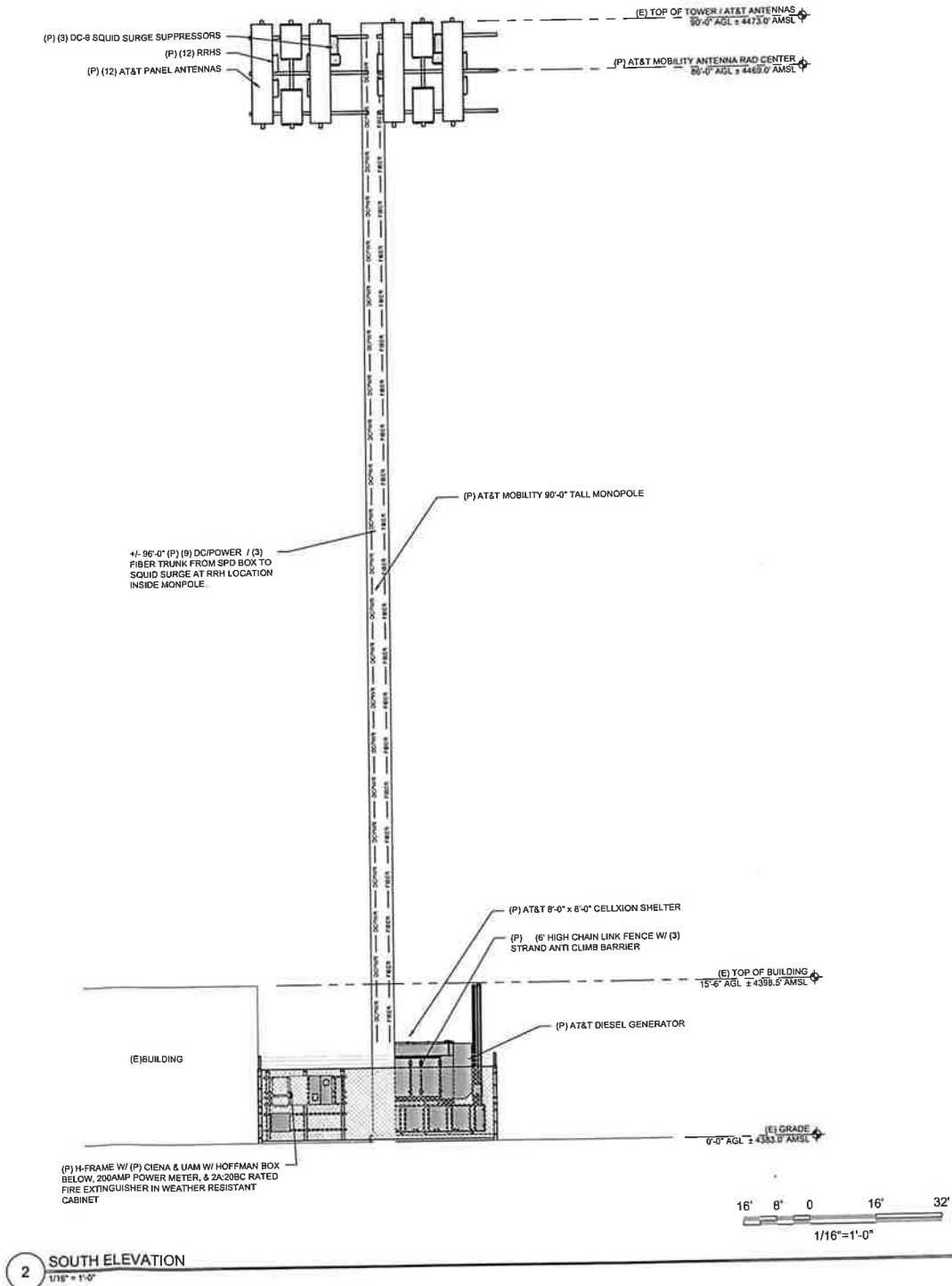
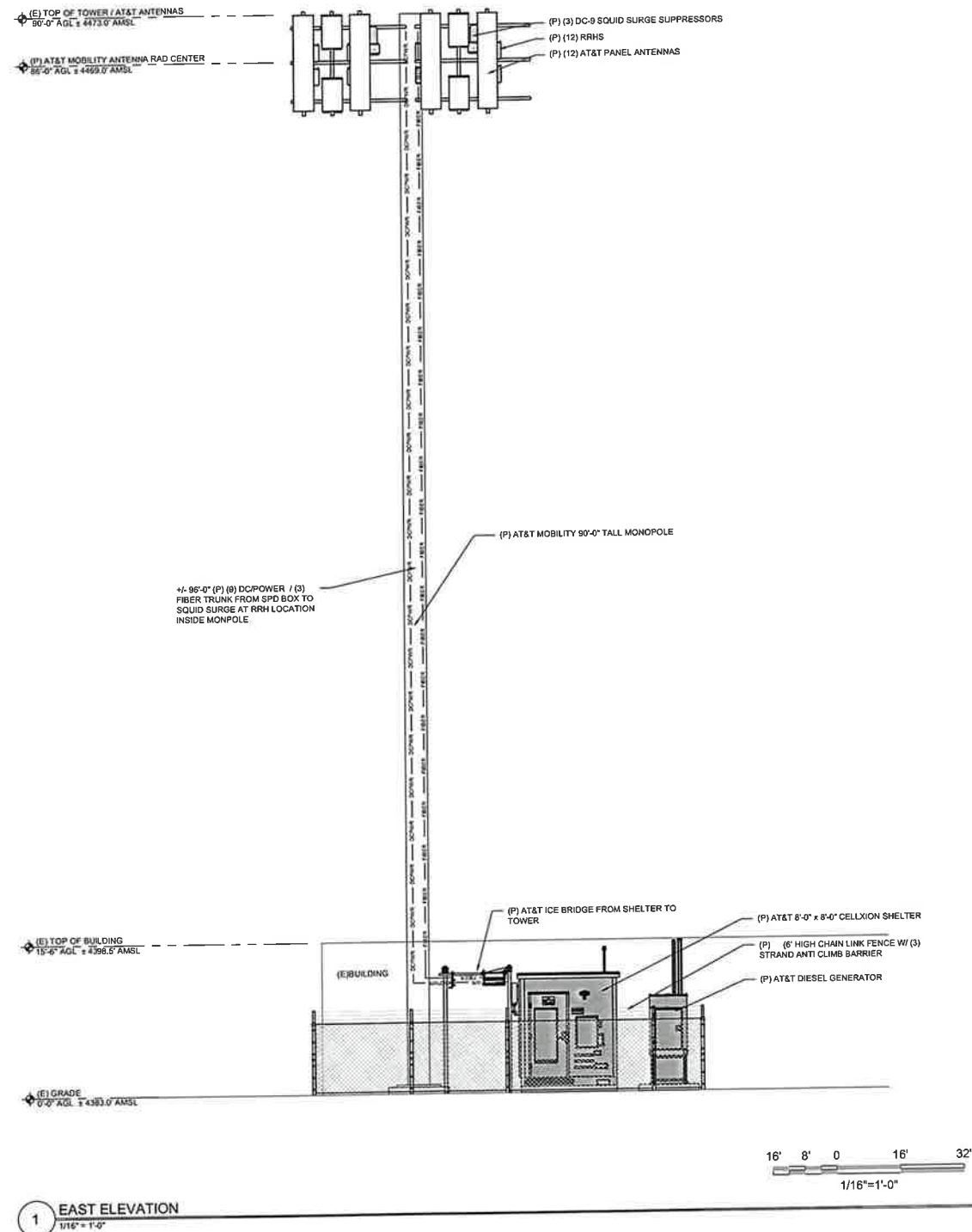
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T-ARM DETAILS

Sheet Number:

A-3.2





Issued For:  
CVL02811

YERINGTON  
402 NORTH MAIN STREET  
YERINGTON, NV 89447  
FAX 15758529  
USDR 317743

Prepared For:

at&t  
5001 Executive Parkway  
San Ramon, California 94583

Vendor:

EPIC  
WIRELESS GROUP LLC  
Connecting a Wireless World  
605 Coolidge Drive, Suite 100  
Folsom, California 95630

AT&T SITE NO: CVL02811

PROJECT NO: 22-008

DRAWN BY: BW

CHECKED BY: BW

REV	DATE	DESCRIPTION
3		
2		
1		
0		
C		
B	6/20/2022	100% ZD SUB.
A	6/20/2022	90% ZD SUB.

Licensee:



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Designer / Engineer:

Norman Scheel  
Structural Engineer  
33 YEARS OF EXCELLENCE  
8022 Sunrise Blvd.  
Fair Oaks, California 95628

Sheet Title:

PROPOSED ELEVATIONS

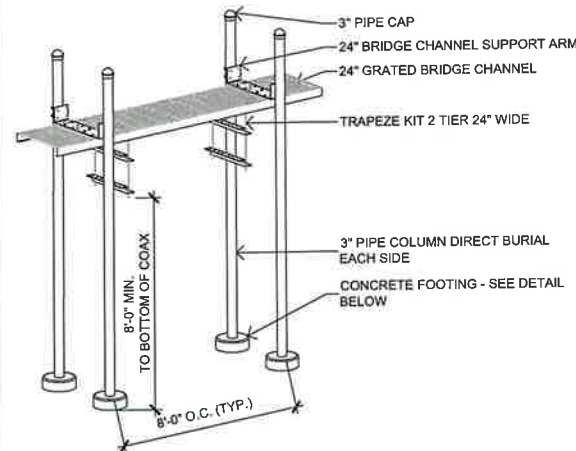
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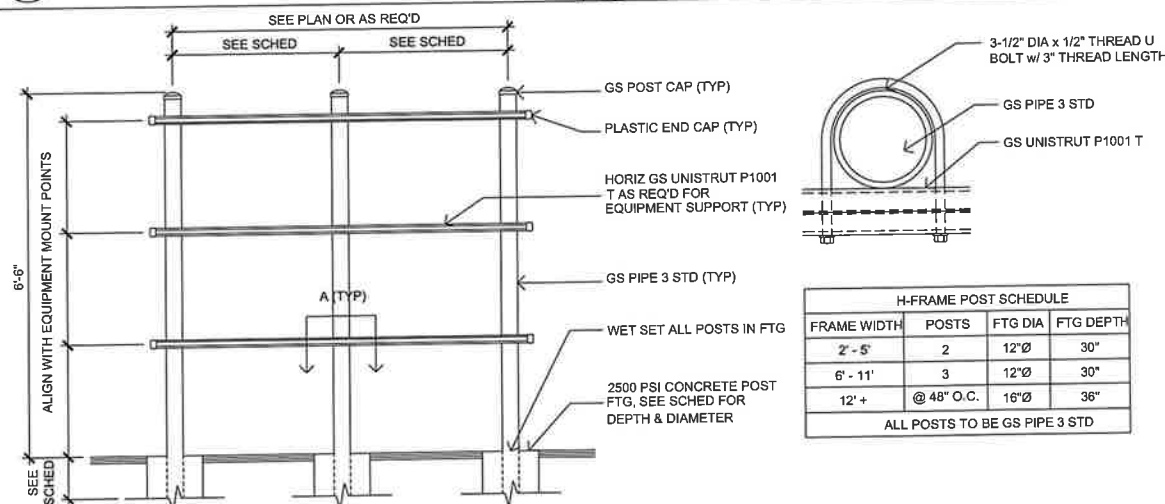




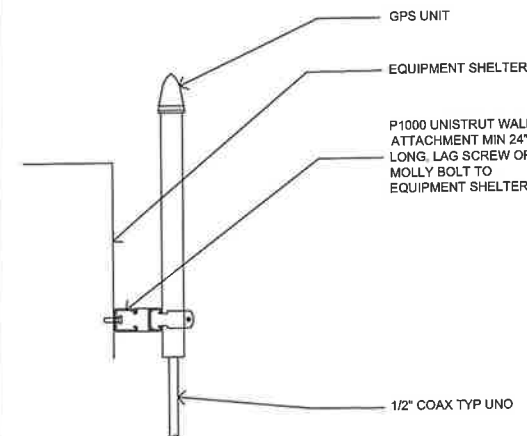




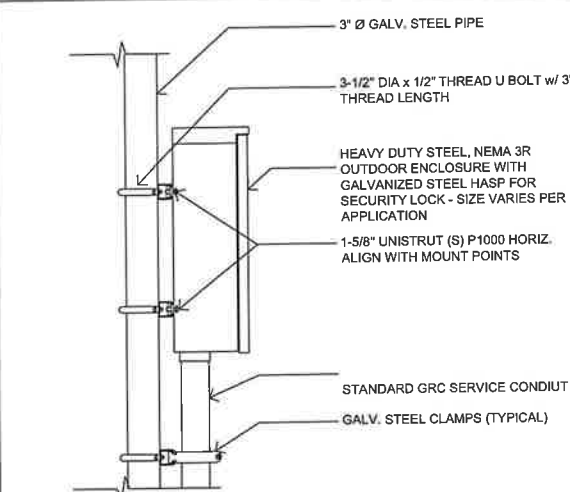
8 ICE BRIDGE DETAIL  
NO SCALE



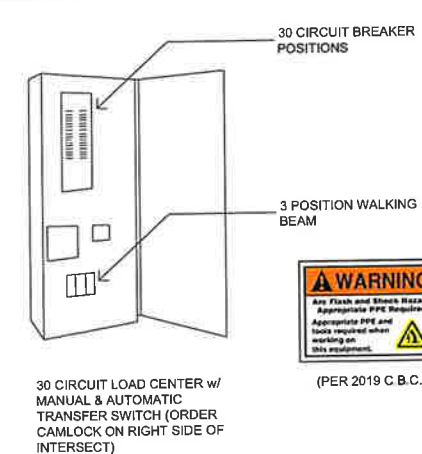
5 TYPICAL EQUIPMENT H-FRAME  
3/4" = 1'-0"



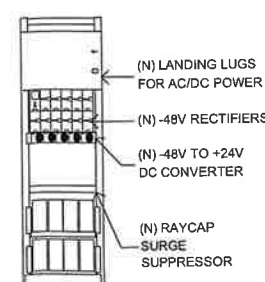
7 GPS MOUNTING DETAIL  
NOT TO SCALE



6 UTILITY BOX MOUNTING DETAIL  
1-1/2" = 1'-0"

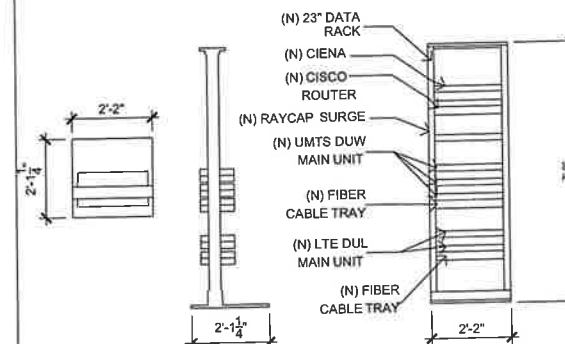


3 INTERSECT PTLC-ATS-3S-12200  
INTERGRATED LOAD CENTER  
NOT TO SCALE



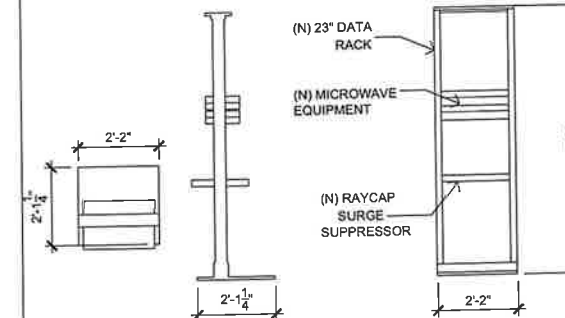
(P) BATTERY RACK

1 POWER / BATTERY RACK DETAILS  
1-1/2" = 1'-0"



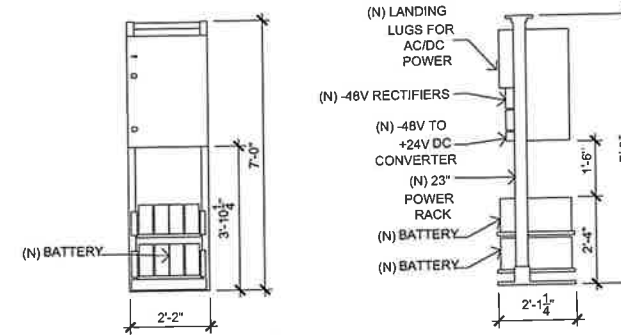
(P) TELCO / RF HYBRID RACK

RACKS TO RECEIVE UPPER  
AND LOWER GROUND  
BARS



(P) MICROWAVE RACK

1 SHELTER RACK DETAILS  
1-1/2" = 1'-0"



(P) POWER PLANT RACK

Issued For:  
CVL02811

YERINGTON  
402 NORTH MAIN STREET  
YERINGTON, NV 89447  
FAX 15758529  
USID# 317743

Prepared For:

**at&t**  
5001 Executive Parkway  
San Ramon, California 94583

Vendor:

**WIRELESS GROUP LLC**  
Connecting a Wireless World  
805 Coolidge Drive, Suite 100  
Folsom, California 95630

AT&T SITE NO: CVL02811

PROJECT NO: 22-008

DRAWN BY: BW

CHECKED BY: BW

REV	DATE	DESCRIPTION
3		
2		
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D		
C		
B	6/20/2022	100% ZD SUB.
A	6/3/2022	90% ZD SUB.

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UNDER THE DIRECTION OF A LICENSED  
PROFESSIONAL ENGINEER, TO ALTER THIS  
DOCUMENT.

Designer / Engineer:

**Norman Scheel**  
Structural Engineer  
5022 Sunrise Blvd.  
Fair Oaks, California 95628

Sheet Title:

CONSTRUCTION  
DETAILS -  
EQUIPMENT

Sheet Number:

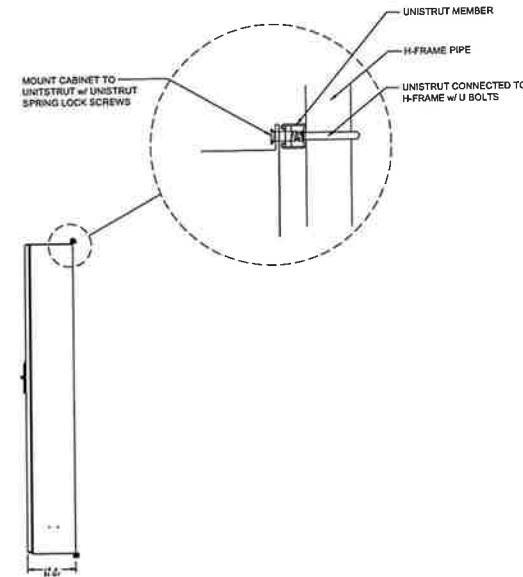
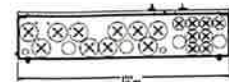
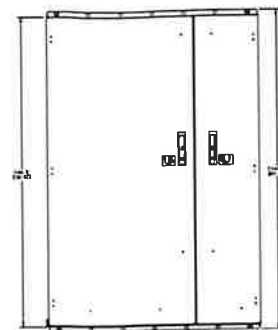
A-5



# SPD Box Overview

- Total 3 Chambers: Wet Chamber, DC Power, Fiber Termination
- 60"H x 40"W x 9"D
- Two-door configuration
- Fiber trunk cable entry via grommets in bottom chamber
- 2" trade size KO's for power and fiber cables
- Wet Chamber to prevent water/moisture entering the main chamber
- Power section
  - Includes 2 x 26-position DC circuit breaker panels
  - Input voltage -48VDC or -58VDC
  - 2 x DC surge protection devices
- Fiber section
  - 48 LC Duplex Fiber Ports
  - Spool for fiber slack storage

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6 SPD BOX  
1/4" = 1'-0"

Issued For:  
**CVL02811**  
**YERINGTON**  
402 NORTH MAIN STREET  
YERINGTON, NV 89447  
FA# 15758529  
USID# 317743

Prepared For:  
  
5001 Executive Parkway  
San Ramon, California 94583

Vendor:  
  
**WIRELESS GROUP LLC**  
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605 Coolidge Drive, Suite 100  
Folsom, California 95630

AT&T SITE NO: CVL02811  
PROJECT NO: 22-008  
DRAWN BY: BW  
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3		
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D		
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B	6/20/2022	100% ZD SUB.
A	6/3/2022	90% ZD SUB.

Licensee:  
  
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Designer / Engineer:  
  
5022 Sunrise Blvd.  
Fair Oaks, California 95628

Sheet Title:  
**CONSTRUCTION  
DETAILS -  
EQUIPMENT**

Sheet Number:  
**A-5.1**



**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 AFFECTED.
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 SYSTEMS.
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 ACCEPTANCE.
8. ANY ERROR, OMISSION OR DESIGN DISCREPANCY ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION OR CORRECTION BEFORE CONSTRUCTION.
9. "PROVIDE" INDICATES THAT ALL ITEMS ARE TO BE FURNISHED, INSTALLED AND CONNECTED IN PLACE.
10. 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.
3. 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. CONDUIT:
  - 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 THHN 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 4'-0" 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 4'-8" 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 8'-0" ABOVE FINISH FLOOR. PROVIDE TYPE WRITTEN CIRCUIT DIRECTORY.
8. 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:**

1. 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 IN 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:**

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-16416 (CHAPTER 7), AND MANUFACTURER SPECIFICATION.
2. ALL GROUNDING CONDUCTORS: #2 AWG SOLID BARE TINNED COPPER WIRE UNLESS OTHERWISE NOTED.
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.
8. GROUND BARS:
  - 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:

**CVL02811**

**YERINGTON**

402 NORTH MAIN STREET  
YERINGTON, NV 89447  
FA# 15758529  
USID# 317743

Prepared For:



5001 Executive Parkway  
San Ramon, California 94563

Vendor:



**WIRELESS GROUP LLC**  
Connecting a Wireless World  
605 Coolidge Drive, Suite 100  
Folsom, California 95630

AT&T SITE NO: CVL02811

PROJECT NO: 22-008

DRAWN BY: BW

CHECKED BY: BW

REV	DATE	DESCRIPTION
3		
2		
1		
0		
C		
B	6/20/2022	100% 2D SUB.
A	6/3/2022	90% 2D SUB.

Licenses:



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

Designer / Engineer:



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 requirements.
2. Install sufficient lengths of LPMC 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 LPMC 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.
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 traffic.
16. All conduit run above ground or exposed shall be LPMC, IMC or Rigid Steel.
17. Electrical metallic tubing (EMT) shall be used for concealed indoor locations.
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 where possible.
22. Provide necessary tagging on the breakers, cables and distribution panels in accordance with applicable codes and standards to safeguard life and property.
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 NEC.
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 larger.
28. Exothermic welds shall be used for all grounding connections below grade.
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 or approved equal.

PANEL SCHEDULE

NAME/PLATE: PANEL A				SC LEVEL: 22,000				VOLTS: 120/240V, 10, 3W			
LOCATION: AT&T SITE								BUS AMPS: 200A			
MOUNTING: WALL								MARC CB: 200A			
OA	OB	CONC.	LOAD DESCRIPTION	BKR AMPY POLE	CIRCUIT NO.	BKR AMPY POLE	CONC.	LOAD DESCRIPTION	OA	OB	
LOAD VA	LOAD VA								LOAD VA	LOAD VA	
1,320	-	Y	RECTIFIER #1	302	01	02	302	Y	RECTIFIER #4	1,320	-
-	1,320	Y	RECTIFIER #1	-	03	04	-	Y	RECTIFIER #4	-	1,320
1,320	-	Y	RECTIFIER #2	302	05	06	302	Y	RECTIFIER #5	1,320	-
-	1,320	Y	RECTIFIER #2	-	07	08	-	Y	RECTIFIER #5	-	1,320
1,320	-	Y	RECTIFIER #3	302	09	10	302	Y	RECTIFIER #6	1,320	-
-	1,320	Y	RECTIFIER #3	-	11	12	-	Y	RECTIFIER #6	-	1,320
1,320	-	Y	RECTIFIER #7	302	13	14	302	Y	RECTIFIER #10	1,320	-
-	1,320	Y	RECTIFIER #7	-	15	16	-	Y	RECTIFIER #10	-	1,320
1,320	-	Y	RECTIFIER #8	302	17	18	302	Y	RECTIFIER #11	1,320	-
-	1,320	Y	RECTIFIER #8	-	19	20	-	Y	RECTIFIER #11	-	1,320
1,320	-	Y	RECTIFIER #9	302	21	22	-	N	SPACE	1,320	-
-	1,320	Y	RECTIFIER #9	-	23	24	201	Y	GFCI RECEPTACLE	-	300
1,600	-	Y	HVAC 1	202	25	26	201	Y	EXTERIOR LIGHT	300	-
-	1,600	Y	HVAC 1	-	27	28	201	Y	BATTERY HEATER BLOCK	-	1,600
180	-	N	GFCI RECEPTACLE	-	29	30	201	Y	BATTERY CHARGER BLOCK	200	-
9,700	9,720		PHASE TOTALS						PHASE TOTALS	9,470	9,590
TOTAL VA = 34,390VA				TOTAL AMPS = 141A							

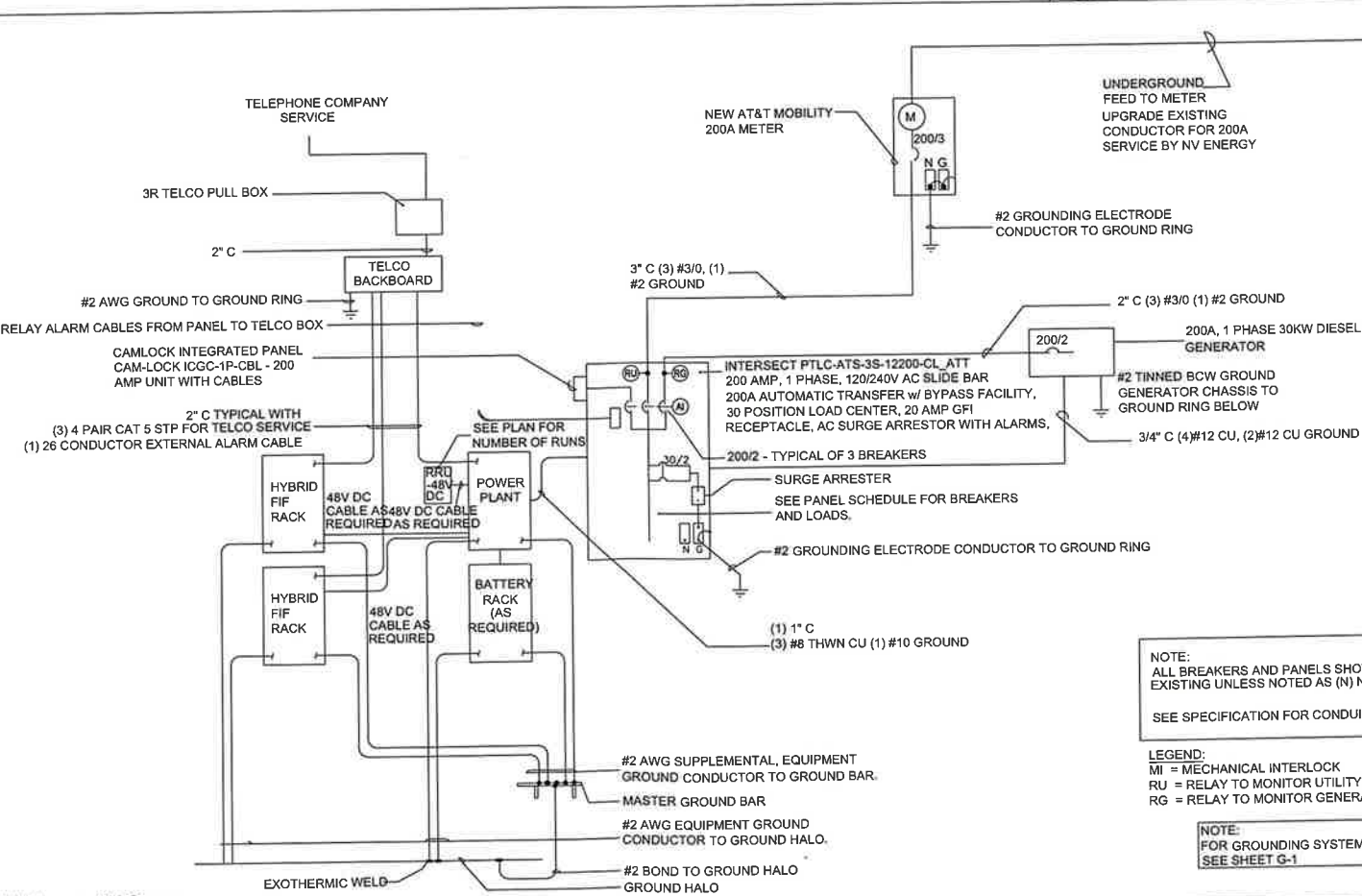
ABBREVIATIONS:

- BCW BARE COPPER WIRE  
BTS BASE TRANSCIVER STATION  
C CONDUIT  
(E) EXISTING  
EG EQUIPMENT GROUND  
(F) FUTURE  
FACP FIRE ALARM CONTROL PANEL  
GEN GENERATOR  
IG ISOLATED GROUND  
IMC INTERMEDIATE METAL CONDUIT  
LFMC LIQUID TIGHT FLEXIBLE METAL CONDUIT  
MCM MILLION CIRCULAR MILLS  
MI MECHANICAL INTERLOCK  
MP&S SEE MECHANICAL PLANS & SPECIFICATIONS  
(N) NEW  
NEMA NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION  
NL NIGHT LIGHT - FIXTURE TO BE UNSWITCHED  
PFB PROVISION FOR FUTURE BREAKER  
PVC POLYVINYL CHLORIDE CONDUIT  
(R) RELOCATE  
RG RELAY TO MONITOR GENERATOR POWER  
RU RELAY TO MONITOR UTILITY POWER  
TYP TYPICAL  
UON UNLESS OTHERWISE NOTED  
WP WEATHERPROOF  
GFCI GROUND FAULT CIRCUIT INTERRUPTER

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

PANEL SCHEDULE

ABBREVIATIONS



NOTE: ALL BREAKERS AND PANELS SHOWN ARE EXISTING UNLESS NOTED AS (N) NEW.  
SEE SPECIFICATION FOR CONDUIT TYPE.

LEGEND:  
MI = MECHANICAL INTERLOCK  
RU = RELAY TO MONITOR UTILITY POWER  
RG = RELAY TO MONITOR GENERATOR POWER

NOTE:  
FOR GROUNDING SYSTEM  
SEE SHEET G-1

ELECTRICAL NOTES

1/4\" = 1'-0"

SINGLE LINE DIAGRAM

1/4\" = 1'-0"

Issued For:

CVL02811

YERINGTON

402 NORTH MAIN STREET  
YERINGTON, NV 89447  
FA# 15758529  
USD# 317743

Prepared For:



5001 Executive Parkway  
San Ramon, California 94583

Vendor:



605 Coolidge Drive, Suite 100  
Folsom, California 95630

AT&T SITE NO: CVL02811

PROJECT NO: 22-008

DRAWN BY: BW

CHECKED BY: BW

REV	DATE	DESCRIPTION
3		
2		
1		
0		
C		
B	6/20/2022	100% 2D SUB
A	6/3/2022	90% 2D SUB

Licensee:



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Designer / Engineer:



5022 Sunrise Blvd.  
Fair Oaks, California 95628

Sheet Title:

POWER SINGLE  
LINE DIAGRAM

Sheet Number:

E-2