Section 608 Supplement-Blue Effective 7-1-18 Stationary Storage Battery Systems

> 608.1 Scope:

Stationary storage battery systems having capacities exceeding the values shown in table 608.1 shall comply with Section 608.1.2 through 608.6.6 as applicable.

Battery Storage System Threshold Qty's						
Cattery Technology	Capacity allowed					
Lead acid, all types	70 kWh (252 Megajoules)					

AH = Voltage (AH)/ 1000										
No. of										
Volts	AH		kWh	Batteries	Total kWh					
12	155	1000	1.86	20	37.2					



# SITE NUMBER: CCL02123 SITE NAME: GILROY

999 MELCHOIR CT. GILROY, CA 95020

Conclusion:  37.2 < 70 kWh Section 608.1 does not apply							
$PROJECT\ INFORMAS$	$\Gamma ION$	PRO	OJECT TEAM	SHEET INDEX			
APPLICANT: AT&T MOBILITY 2700 WATT AVE, SUITE 2200—26 12852 EARHART SACRAMENTO, CA 95821  CONSTRUCTION MANAGER: ANDREW MEDINA EPIC WRELESS 605 COOLIDGE DRIVE, SUITE 100 FOLSOM, CA 95630 (530) 574—4773  SITE SURVEY GEIL ENGINEERING 1226 HIGH STREET AUBURN, CA 95603 (530) 885—0426  RF ENGINEER: STEPHEN NELSON  PG&E TOWER INFO: TOWER SAP #: 40861656 TOWER #: 16/98 LINE NAME: MORGAN HILL—LIAGAS 115KV LINE 245 MANAGER: WES DEANE (925) 586—5957 WKD1@PGE.COM	AVE SUITE 101 02  & PLANNING:  RIVE, SUITE 100 30  ON PL. SUITE 205 94583 ANO DONGALA	SITE NAME: SITE NUMBER:  SITE ADDRESS:  FA CODE:  ASSESSORS PARCEL NUMBER: LATITUDE: LONGITUDE: GROUND ELEVATION:  ZONING: COUNTY:  PROPERTY OWNER: OWNER ADDRESS:  POWER AGENCY:	GILROY CCL02123  999 MELCHOIR CT. GILROY, CA 95020  14356025  783-17-045 37.040994* -121.604869* 236.9' AMSL  RE-1, MX, AIR&P SANTA CLARA COUNTY  SPANO FAMILY TRUST 2002 999 MELCHOIR CT. GILROY, CA 95020  PG&E 525 MARKET ST, SPEAR TOWER SAN FRANCISCO, CA 94105 PHONE: 1 (800) 310-2355  AT&T		T-1 TITLE SHEET  COA-1 CONDITIONS OF APPROVAL  GN-1 GENERAL NOTES  GN-2 SITE SIGNAGE  GN-3 BATTERY INFORMATION  C-1 SITE SURVEY  C-2 DRIVEWAY APPROACH PLAN  C-3 UTILITY PLAN ALONG DAY ROAD  A-1 SITE PLAN  A-1.1 ENLARGED EQUIP. PLAN  A-1.2 ENLARGED ANTENNA PLAN  A-1.3 DETAILS  A-1.4 DETAILS  A-1.5 DETAILS  A-1.6 DETAILS  A-2 ELEVATIONS  A-2.1 ELEVATIONS  E-1 ELECTRICAL PLAN  E-1.1 ELECTRICAL DIAGRAM  E-2 GROUNDING DETAILS  E-2.1 PG&E GROUNDING INFORMATION  E-2.2 PG&E GROUNDING INFORMATION		
CODE COMPLIANCE	INITY MAP	DIRECTIONS	FROM AT&T	PROJECT DESCRIPTION			
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 TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.  1. 2019 CALIFORNIA BUILDING CODE 2. 2019 CALIFORNIA FIRE CODE 3. 2019 CALIFORNIA ELECTRICAL CODE 4. 2019 CALIFORNIA PLUMBING CODE 5. 2019 CALIFORNIA MECHANICAL CODE 6. 2019 CALIFORNIA HEALTH AND SAFETY CODE 7. COUNTY ORDINANCE NO. NS-1100-125 8. NFPA 30, 2012 EDITION	WAT	DAY RD.  SONUTE RO.  LEAVESLEY RD  HECKER PASS RD.	1. DEPART CAMINO RAMON TOWARD BISHOP 2. TURN ONTO BOLINGER CANYON RD 3. TAKE RAMP RIGHT FOR I—680 SOUTH TO 4. TAKE RAMP RIGHT FOR US—101 TOWARDS 5. TAKE RAMP RIGHT AND FOLLOW SIGNS FOR EACH OF TOWARDS 6. BEAR RIGHT ONTO MASTEN AVE 7. ROAD NAME CHANGES TO FITZGERALD AND AND SURVEY 8. TURN LEFT ONTO SANTA TERESA BLVD 9. TURN RIGHT ONTO DAY RD 10. TURN RIGHT ONTO MELCHOIR CT 11. ARRIVE AT MELCHOIR CT	DR. WARDS SAN JOSE S LOS ANGELES OR MASTEN AVE	AT&T PROPOSES TO CONSTRUCT A NEW UNMANNED TELECOMMUNICATIONS FACILITY. AT&T WILL INSTALL:  (1) NEW 12' WIDE A/C GRAVEL ACCESS ROAD (1) NEW 8' REDWOOD FENCE (1) NEW 8' REDWOOD FENCE (1) NEW 4' WIDE DOUBLE ACCESS GATE (1) NEW GPS ANTENNA (1) NEW 30KW DIESEL GENERATOR WITH 190 GALLON FUEL TANK (12) NEW ANTENNAS (3) NEW RRUS—11 (3) NEW RRUS—4415 B25 (3) NEW RRUS—4426 B66 (3) NEW RRUS—4478 B14 (3) NEW RRUS—4478 B5 (3) FUTURE RRUS—4478 B5 (3) FUTURE RRUS—4415 B30 (3) NEW SURGE SUPPRESSORS NEW UNDERGROUND POWER & FIBER RUNS (1) NEW EMERSON 512 POWER PLANT (1) NEW EMERSON BATTERY CABINET (2) NEW PURCELL CABINETS		
OCCUPANCY & CONST. TYPE	' SPECIAI	L INSPECTIONS	APPRO	OVALS			
OCCUPANCY: U (UNMANNED)	*SEE SPECIAL INSPECTION FOR	<u> </u>	APPROVED BY:	INITIALS: DATE:			
CONSTRUCTION TYPE: V-B	1. POST-INSTALLED ANCHOR 2. HIGH STRENGTH BOLTING	S	AT&T:  VENDOR:		GENERAL CONTRACTOR NOTES		
ACCESSIBILITY REQUIREMENTS: THIS FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION, HANDICAPPED ACCESS REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH THE 2016			R.F.:  LEASING/LANDLORD:  ZONING:  CONSTRUCTION:  POWER/TELCO:		DO NOT SCALE DRAWINGS  THESE DRAWINGS ARE FORMATTED TO BE FULL SIZE 24"X36". 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 PESPONSIBLE FOR THE SAME		
CALIFORNIA BUILDING CODE, CHAPTER 11B, EXCEPTION SECTION 11B-203.5			<u> </u>		RESPONSIBLE FOR THE SAME.		

PG&E:

PROPRIETARY INFORMATION

THE INFORMATION CONTAINED IN THIS SET OF DRAWINGS IS PROPRIETARY BY NATURE. ANY USE OR

DISCLOSURE OTHER THAN THAT WHICH

RELATES TO PEEK SITE-COM IS

STRICTLY PROHIBITED



2700 WATT AVE, SUITE 2200-26 SACRAMENTO, CA 95821

PROJECT INFORMATION: =

## GILROY 999 MELCHOIR CT.

GILROY, CA 95020

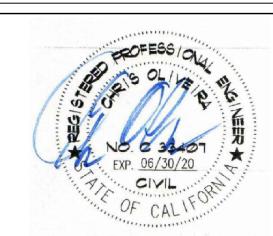
2       6-20-18       90% REVS ZONING DOC'S       AMI         3       7-3-18       100% ZONING DOC'S       AMI         4       4-8-19       90% CONSTRUCTION DOC'S       AMI         5       5-6-19       95% CONSTRUCTION DOC'S       AMI         6       8-20-19       REV. 95% CONSTRUCTION DOC'S       AMI         7       9-16-19       REV. 95% CONSTRUCTION DOC'S       AMI         8       10-1-19       100% CONSTRUCTION DOC'S       AMI         9       12-1-19       PLAN CHECK COMMENTS       AMI	REV:	= DATE: ===	DESCRIPTION:	== BY: ¹
3       7-3-18       100% ZONING DOC'S       AMI         4       4-8-19       90% CONSTRUCTION DOC'S       AMI         5       5-6-19       95% CONSTRUCTION DOC'S       AMI         6       8-20-19       REV. 95% CONSTRUCTION DOC'S       AMI         7       9-16-19       REV. 95% CONSTRUCTION DOC'S       AMI         8       10-1-19       100% CONSTRUCTION DOC'S       AMI         9       12-1-19       PLAN CHECK COMMENTS       AMI	1	5-11-18	90% ZONING DOC'S	AMP
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9 12-1-19 PLAN CHECK COMMENTS AMI	7	9-16-19	REV. 95% CONSTRUCTION DOC'S	AMP
40 - 17 00 FERRY OFFICER COMMITTEE	8	10-1-19	100% CONSTRUCTION DOC'S	AMP
10 2-13-20 GENERATOR HEIGHT INFORMATION TAR	9	12-1-19	PLAN CHECK COMMENTS	AMP
	10	2-13-20	GENERATOR HEIGHT INFORMATION	TAP

COORDINATING ENGINEER:=

# Peek Site-Com

12852 Earhart Ave. Suite 101 Auburn, California 95602 Phone (530) 885—6160

E—Mail info@peeksitecom.com



⊨ SITE #: == = CHK.: ==== DRAWN BY: = CCL02123 =SHEET TITLE: ==

TITLE SHEET

⊨SHEET NUMBER:=

- IMPROVEMENT PLANS: Preliminary plans prepared by Peek Site—Com and received on September 4, 2018, by our office from the Santa Clara County Planning Office have been reviewed. Submit final improvement plans prepared by a licensed civil engineer for review and approval prior to Building Permit issuance. Include plan, profile, typical sections, contour grading and drainage for all construction improvements located within the ROW.
- 17. Design shall be consistent with County Ordinance, Roads and Airports Standard Details Manual, and the Santa Clara County Drainage Manual. Final Improvement Plans shall include the
- Design the driveway approach to County Standard B/5.
- Reestablish the flowline along the property's frontage to provide positive flow.
- C. Show all existing and proposed features located within the ROW, including but not limited to, edge of pavement, ROW line, above and below ground utility lines, easements, drainage facilities, trees, landscaping, and other structures and features. All utility relocations, replacements, abandonments, temporary facilities, and new facilities shall be shown.
- Provide for the uninterrupted flow of water in swales and natural courses within the ROW. No fill or crossing of any drainage facilities is allowed unless shown on the approved plans.
- E. Demonstrate that the post development maximum flow rate onto the County Road ROW is equal or less than the pre-development corresponding storm event flow rate. If this cannot be demonstrated, a detention/retention system shall be located outside the County Road ROW.
- F. Provide an Erosion and Sediment Control Plan that outlines seasonally appropriate erosion and sediment controls during the construction period within the ROW in accordance with National Pollutant Discharge Elimination System Phase II Small Municipal Separate Storm Sewer System General Permit.
- G. Provide a Site Specific Traffic Control Plan or "Typical Application" from Part 6 Temporary Traffic Control of the 2012 Edition Manual Uniform Traffic Control Devices to demonstrate traffic handling during construction as appropriate. Fire Marshal
- 18. Prior to Building Permit issuance, submit a detail of how many batteries will be installed and the quantities of flooded lead—acid, nickel cadmium, valve—regulated lead—acid and lithium ion/metal polymer for each battery. Installation of any stationary lead—acid battery system shall comply with 2016 Edition, California Fire Code Section 608. A permit will be required if electrolyte capacity exceeds 50 gallons.
- 19. A separate permit is required from the Fire Marshal's Office for any fuel storage in excess of exempt amounts, including integral tanks for equipment, such as generators. NOTE: Storage of fuel on site may also require permits from the Building Division and the County Hazardous Material Compliance Division of the County Department of Environmental Health. Additional requirements will be made when a complete set of construction drawings is submitted for Building Permit application.

#### Environmental Health

- 20. For the proposed 15-kilowatt generator and 54-gallon diesel tank, submit plans to the Department of Environmental Health, Hazardous Materials Compliance Division for review and approval, and to obtain Hazardous Material Clearance.
- 21. For the proposed batteries cabinets, submit plans and a completed Hazardous Materials Clearance Form (available at www.EHinfo.org/hazmat) to the Hazardous Materials Compliance Division of the Department of Environmental Health. CONDITIONS REQUIRED PRIOR TO FINAL INSPECTION
- 22. Prior to final inspection, contact Christopher Hoem at 408-299-5784 to schedule an inspection to ensure compliance with all conditions of approval. The inspection will ensure correct paint color and finish of the tower-mounted and ground-based components. Call one week prior to requested final inspection date to schedule an appointment. Roads and Airports
- 23. CONSTRUCTION: Construct all of the aforementioned improvements prior to release of the Grading Bond and/or final Building occupancy. Construction staking within the ROW is required and shall be the responsibility of the developer.

ATTACHMENT A Final Conditions of Approval 11389-18A ARCHITECTURAL SITE APPROVAL (ASA)

Owner: Rich Spano Applicant: AT&T Mobility

Location: 999 Melchoir Ct. Gilroy, CA (APN: 783-17-045)

Project Description: Installation of a new wireless telecommunications facility at an existing PG&E electrical transmission tower. Included in the project are antennas located at a height between 64 feet and 74 feet on the 114-foot tall tower, and a fenced equipment shelter located within the footprint of the tower. If you have any question regarding the following preliminary conditions of approval, call the person whose name is listed as the contact for that agency. He or she represents a particular specialty or office and can provide details about the conditions of approval.

Agency Name Phone E-mail

Planning Christopher Hoem (408) 299-5784 christopher.hoem@pln.sccgov.org Roads & Airports Rocelia Kmak (408) 573-2464 rocelia.kmak@rda.sccgov.org Environmental Health Darrin Lee (408) 299—5748 darrin.lee@pln.sccgov.org Fire Marshal Alex Goff (408) 299-5763 alex.goff@sccfd.org

STANDARD CONDITIONS OF APPROVAL

- Development of the proposed scope shall take place in accordance with approved plans, received date stamped August 31, 2018.
- All painted, or otherwise treated, surfaces of the antenna and fence shall be maintained at all times If the antenna or fence is improperly maintained, the approval may be revoked and subject to violation and fines.
- 3. The permittee shall keep the project site free of graffiti. "Graffiti" means any unauthorized inscription, writing, lettering, word, figure, mark, design or other inscribed material that is written, marked, etched, scratched, drawn, painted or otherwise placed on any structures, fences, or other permanent or temporary surfaces.
- 4. All telecommunications equipment installed on—site shall comply with the standards of the Federal Communications Commission (FCC) for health, safety, and other pertinent requirements.
- 5. No signs are approved at this time except for (1) an informational sign that provides phone numbers to be used in case of an emergency, and (2) a bilingual NIER hazard warning sign posted at the outer perimeter of the project site. These signs must be in compliance with FCC rules regarding required telecommunication facility signage. Such signs shall be limited to an area of one sauare foot.
- Flags, banners, streamers, or other devices are not approved and may not be attached to the tower, antennas, fence enclosure, or any supporting structures.
- All developed areas shall be continuously maintained in compliance with these conditions and
- County Ordinances. The driveway and access easement will be adequate for monthly service and any non-scheduled
- emergency maintenance personnel accessing the proposed facility. Maintenance of these improvements is the responsibility of the property owner.
- All construction vehicles, equipment and delivery trucks shall have a maximum idling time of 5 minutes. Engines shall be shut off if construction requires longer idling time unless necessary for proper operation of the vehicle.
- 10. All telecommunications related equipment shall be removed from the site within six (6) months of cessation of use. This shall require obtaining a demolition permit from the Santa Clara County

#### Building Division.

#### Environmental Health

11. All construction activities shall be in conformance with the Santa Clara County Noise Ordinance Section B11—154 and prohibited between the hours of 7:00 p.m. and 7:00 a.m. on weekdays and Saturdays, or at any time on Sundays for the duration of construction. CONDITIONS REQUIRED PRIOR TO ISSUANCE OF BUILDING PERMIT

#### <u>Planning</u>

#### Apply for and obtain necessary Building Permit(s).

- 13. Ensure the GPS coordinates of the center of the tower are listed on the title page of the Building
- 14. Prior to Building Permit issuance, submit paint color samples for the tower, fence enclosure, and any mechanical or electrical equipment visible above the fence. The color for the fence enclosure must blend with the adjacent landscape and improvements. The color of any visible tower—based or ground—based mechanical or electrical equipment must match the color of the existing tower. The color samples shall include the name, number, and manufacturer of the proposed color(s). Show the color sample information on the Building Permit plans.
- Roads and Airports 15. ENCROACHMENT PERMIT: Obtain a Santa Clara County Roads and Airports Department (RAD)A)A)A)A)Encroachment Permit prior to any work performed in the county road right—of—way (ROW)A)A)A)B) and prior to Building Permit issuance. The Encroachment Permit application shall contain all the elements indicated in "IMPROVEMENT PLANS" below and in Roads and Airports' "ENCROACHMENT PERMIT APPLICATION PROCESS & INFORMATION" handout. The process for obtaining an Encroachment Permit and the forms that are required can be found at: www.countyroads.org > Services > Apply for Permits > Encroachment Permit.

PROPRIETARY INFORMATION

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

: CLIENT: =



2700 WATT AVE, SUITE 2200-26 SACRAMENTO, CA 95821

PROJECT INFORMATION:

## **GILROY** 999 MELCHOIR CT.

GILROY, CA 95020

REV:	— DATE: ——	DESCRIPTION:	<u></u> ВҮ:
1	5–11–18	90% ZONING DOC'S	AMP
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8	10-1-19	100% CONSTRUCTION DOC'S	AMP
9	12-1-19	PLAN CHECK COMMENTS	AMP

= COORDINATING ENGINEER: =

Peek Site-Com

12852 Earhart Ave. Suite 101 Auburn, California 95602 Phone (530) 885-6160

E-Mail info@peeksitecom.com

SEAL:



= DRAWN BY: 3 = SITE #: == AMP CCL02123

=SHEET TITLE: ===

CONDITIONS OF APPROVAL

:SHEET NUMBER:=

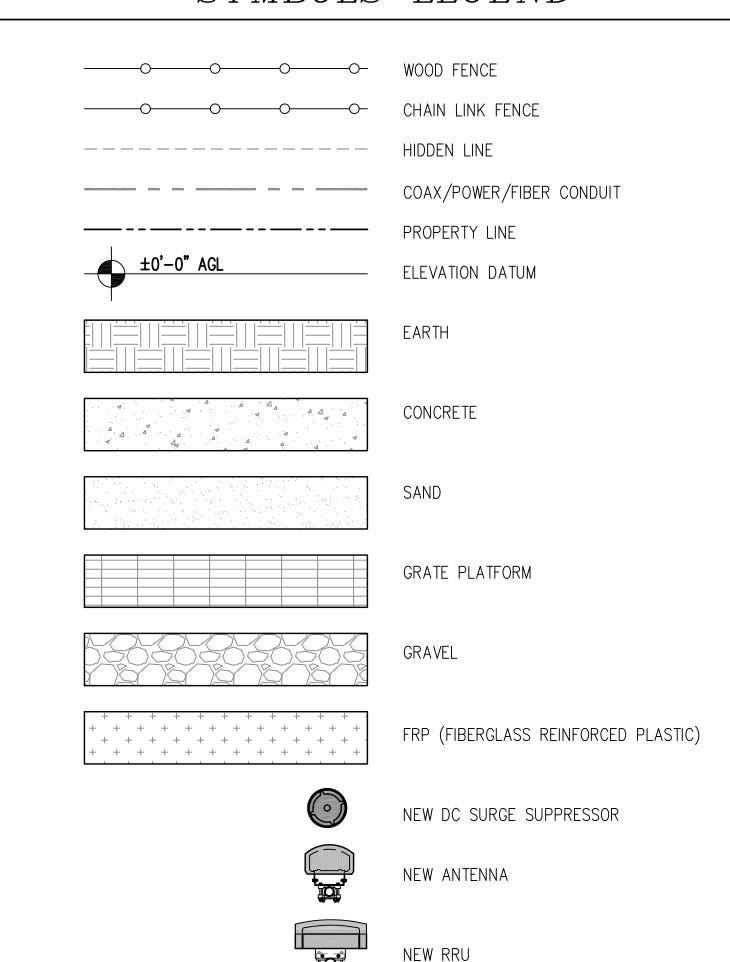
# GENERAL CONSTRUCTION NOTES:

- 1. DRAWINGS ARE NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE, AND THIS SET OF PLANS IS INTENDED TO BE USED FOR DIAGRAMMATIC PURPOSES ONLY, UNLESS NOTED OTHERWISE. THE GENERAL CONTRACTOR'S SCOPE OF WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR, AND ANYTHING ELSE DEEMED NECESSARY TO COMPLETE INSTALLATIONS AS DESCRIBED HEREIN.
- 2. PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTORS INVOLVED SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH ALL CONDITIONS AFFECTING THE PROPOSED PROJECT, WITH THE CONSTRUCTION AND CONTRACT DOCUMENTS, FIELD CONDITIONS AND CONFIRM THAT THE PROJECT MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY ERRORS, OMISSIONS, OR DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER.
- 3. THE GENERAL CONTRACTOR SHALL RECEIVE WRITTEN AUTHORIZATION TO PROCEED WITH CONSTRUCTION PRIOR TO STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED BY THE CONSTRUCTION DRAWINGS/ CONTRACT DOCUMENTS.
- 4. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
- 5. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO MANUFACTURER'S/ VENDOR'S SPECIFICATIONS UNLESS NOTED OTHERWISE OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.
- 6. ALL WORK PERFORMED ON PROJECT AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK.
- 7. GENERAL CONTRACTOR SHALL PROVIDE AT THE PROJECT SITE A FULL SET OF CONSTRUCTION DOCUMENTS UPDATED WITH THE LATEST REVISIONS AND ADDENDUMS OR CLARIFICATIONS FOR THE USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT.
- 8. THE STRUCTURAL COMPONENTS OF THIS PROJECT SITE / FACILITY ARE NOT TO BE ALTERED BY THIS CONSTRUCTION PROJECT UNLESS NOTED OTHERWISE.
- 9. DETAILS INCLUDED HEREIN ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB CONDITIONS OR SITUATIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE SCOPE OF WORK.
- 10. SEAL PENETRATIONS THROUGH FIRE-RATED AREAS WITH U.L. LISTED OR FIRE MARSHALL APPROVED MATERIALS IF APPLICABLE TO THIS FACILITY AND OR PROJECT SITE.
- 11. PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A OR 2-A10BC WITHIN 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF THE PROJECT AREA DURING CONSTRUCTION.
- 12. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, EASEMENTS, PAVING, CURBING, ETC. DURING CONSTRUCTION. UPON COMPLETION OF WORK, CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DUE TO CONSTRUCTION ON OR ABOUT THE
- 13. CONTRACTOR SHALL SEE TO IT THAT GENERAL WORK AREA IS KEPT CLEAN AND HAZARD FREE DURING CONSTRUCTION AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. PREMISES SHALL BE LEFT IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE.
- 14. THE ARCHITECTS/ENGINEERS HAVE MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK. CONTRACTORS BIDDING THE JOB ARE NEVERTHELESS CAUTIONED THAT MINOR OMISSIONS OR ERRORS IN THE DRAWINGS AND OR SPECIFICATIONS SHALL NOT EXCUSE SAID CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS. THE BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE ARCHITECT/ENGINEER OF ANY CONFLICTS, ERRORS, OR OMISSIONS PRIOR TO THE SUBMISSION OF CONTRACTOR'S PROPOSAL. IN THE EVENT OF DISCREPANCIES THE CONTRACTOR SHALL PRICE THE MORE COSTLY OR EXTENSIVE WORK, UNLESS DIRECTED OTHERWISE.

# ABBREVIATIONS

ALUM. APPROX. AWG. BLDG. BLK. CONC. CONN. CONST. CONT. DEPT. DIA. DIM. EA. ELEC. EMT. ENG. EQ. (E) EXT. FAB. F.A. F.B. F.A. F.B. GALV. G.F.I. GPS GRND. HT. ICGB.	ADDITIONAL ABOVE GROUND LEVEL ALUMINUM APPROXIMATELY AMERICAN WIRE GAUGE BUILDING BLOCKING CABINET CONCRETE CONNECTION(OR) CONSTRUCTION CONTINUOUS DOUBLE DEPARTMENT DOUGLAS FIR DIAMETER DIMENSION EACH ELEVATION ELECTRICAL ELECTRICAL METALLIC TUBING ENGINEER EQUAL EXISTING EXTERIOR FABRICATION FINISHED FLOOR FINISHED GRADE FOOT (FEET) FOOTING GAUGE GALVANIZE(D) GROUND FAULT CIRCUIT INTERRUPTER GLOBAL POSITIONING SYSTEM GROUND(ING) HEIGHT ISOLATED COPPER GROUND BUS	MECH. MFR. MIN. MISC. MTL (N) (#) NO. C. PPC P.S.I. P.T. QTY. RAD. (R) REF. REQ.'D REF. REQ. STD. STRUC. TEMP. T.O.A. T.O.F. T.O.W. TYP. U/G	MISCELLANEOUS METAL NEW NUMBER NOT TO SCALE ON CENTER PRECAST CONCRETE POWER PROTECTION CABINET POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH PRESSURE TREATED QUANTITY RADIUS REFERENCE REINFORCEMENT(ING) REQUIRED RIGID GALVANIZED STEEL SCHEDULE SHEET SPECIFICATIONS SQUARE STAINLESS STEEL STANDARD STEEL STRUCTURAL TEMPORARY TOP OF ANTENNAS TOP OF FOUNDATION TOP OF PLATE (PARAPET) TOP OF WALL TYPICAL UNDER GROUND
GRND.	GROUND(ING)	T.O.W.	TOP OF WALL TYPICAL
HT.	HEIGHT	TYP.	

# SYMBOLS LEGEND



PROPRIETARY INFORMATION

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= CLIENT: =



2700 WATT AVE, SUITE 2200-26 SACRAMENTO, CA 95821

= PROJECT INFORMATION: =

### GILROY 999 MELCHOIR CT.

GILROY, CA 95020

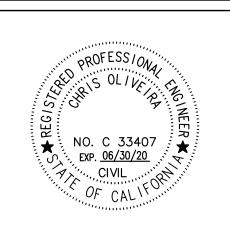
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9	12-1-19	PLAN CHECK COMMENTS	AMP

=COORDINATING ENGINEER:=

# $Peek\ Site-Com$

12852 Earhart Ave. Suite 101 Auburn, California 95602 Phone (530) 885-6160

E-Mail info@peeksitecom.com



= SITE #: === CCL02123 =SHEET TITLE: ===

GENERAL NOTES

:SHEET NUMBER:=



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: CCL09814/999 MELCHIOR CT, GILROY, CA 95020

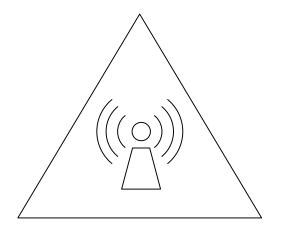
# FENCED COMPOUND SIGNAGE



#### NOTE:

- 1. CONTRACTOR SHALL INSTALL ALL INFORMATION SIGNAGE IN ACCORDANCE W/ AT&T WIRELESS DOCUMENT #03-0074, RF EXPOSURE POLICY AND RF SAFETY COMPLIANCE PROGRAM, LATEST EDITION.
- 2. CONTRACTOR SHALL CONTACT AT&T R-RFSC FOR INFORMATION ON MPE LEVELS AND INSTRUCTIONS ON LEVEL AND LOCATION OF SIGNAGE

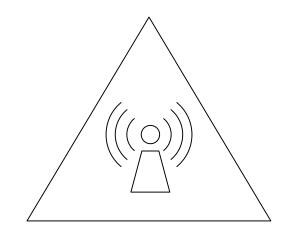




Beyond This Point you are entering a controlled area where RF Emissions exceed the FCC Controlled Exposure limits
Failure to obey all posted signs and site guidelines could result in serious injury

Ref: FCC 47CFR 1.1307(b)

# CAUTION



Beyond This Point you are entering a controlled area where RF Emissions may exceed the FCC Controlled Exposure limits

Ref: FCC 47CFR 1.1307(b)

for working in an RF environment

Obey all posted signs and site guidelines

#### 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 EMF REPORT OR ANY LOCAL, STATE OR FEDERAL GUIDELINES OR REGULATIONS SHOULD BE IN CONFLICT W/ ANY PART OF THESE NOTES OR PLANS, THE MORE RESTRICTIVE GUIDELINE OR REGULATION SHALL BE FOLLOWED AND OVERRIDE THE LESSER.
- 2. THE PUBLIC LIMIT OF RF EXPOSURE ALLOWED BY AT&T IS 1MWCM\*2 AND THE OCCUPATIONAL LIMIT OF RF EXPOSURE ALLOWED BY AT&T IS 5MWCM\*2
- 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.
- IF THE PUBLIC LIMIT OF RF EXPOSURE ON THE SITE IS EXCEEDED AND THE AREA IS PUBLICLY ACCESSIBLE (E.G. ROOF ACCESS DOOR THAT CANNOT BE LOCKED, OR FIRE EGRESS) THEN BOTH BARRICADES AND STRIPING SHALL BE PLACED AROUND THE ANTENNAS. THE EXACT EXTENT OF THE BARRICADES AND STRIPING SHALL BE DETERMINED BY THE EMF REPORT FOR THE SITE DONE BEFORE OR SHORTLY AFTER COMPLETION OF SITE CONSTRUCTION. USE THE PLANS AS A GUIDELINE FOR PLACEMENT OF SUCH BARRICADES AND 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 & STRIPING SHALL BE PLACED AROUND THE ANTENNAS. THE EXACT EXTENT OF THE BARRICADES & STRIPING SHALL BE DETERMINED BY THE EMF REPORT FOR THE SITE DONE BEFORE OR SHORTLY AFTER COMPLETION OF SITE CONSTRUCTION. USE THE PLANS AS A GUIDELINE FOR PLACEMENT OF SUCH BARRICADES AND STRIPING.
- 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 C95.2 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.
- 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

GENERAL NOTES

8. SHOP DRAWING OF EACH BARRICADE. UPON CONSTRUCTION COMPLETION.

# FENCED COMPOUND SIGNAGE

AUTHORIZED

PERSONNEL

ONLY

DOOR/EQUIPMENT SIGN

Property of AT&T

Authorized

Personnel Only



CAUTION AND WARNING SIGN

Federal Communications Communication Tower Registration Number

1234567

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

# FCC ASR SIGNAGE

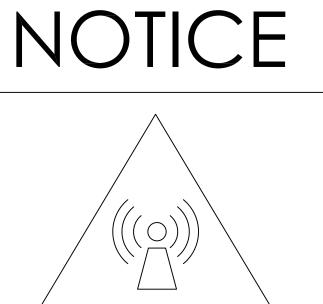
12"

# Property of AT&T

# Authorized Personnel Only

No Trespassing
Violators will be Prosecuted

In case of emergency, or prior to performing maintenance on this site, call (800) 638-2822 and reference cell site number CCL09814



Beyond This Point you are

entering an area where RF Emissions may exceed the FCC General Population Exposure

Limits

Follow all posted signs and site guidelines for working in an RF environment

Ref: FCC 47CFR 1.1307(b)

at&t

SHELTER/CABINET DOORS SIGNAGE

In case of emergency, or prior to performing maintenance on this site, call (800) 638-2822

and reference cell site number <u>CCL09814</u>

GATE SIGNAGE

NOTICE SIGN

# 2700 WATT AVE, SUITE 2200-26 SACRAMENTO, CA 95821

PROPRIETARY INFORMATION

THE INFORMATION CONTAINED IN THIS

SET OF DRAWINGS IS PROPRIETARY

BY NATURE, ANY USE OR

DISCLOSURE OTHER THAN THAT WHICH

RELATES TO PEEK SITE-COM IS

STRICTLY PROHIBITED

= PROJECT INFORMATION: =

: CLIENT: =

GILROY
999 MELCHOIR CT.
GILROY, CA 95020

Ш				
F.	REV:	— DATE: ——	DESCRIPTION:	<u> </u>
	1	5-11-18	90% ZONING DOC'S	AMP
	2	6-20-18	90% REVS ZONING DOC'S	AMP
	3	7–3–18	100% ZONING DOC'S	AMP
	4	4-8-19	90% CONSTRUCTION DOC'S	AMP
	5	5-6-19	95% CONSTRUCTION DOC'S	AMP
	6	8-20-19	REV. 95% CONSTRUCTION DOC'S	AMP
	7	9-16-19	REV. 95% CONSTRUCTION DOC'S	AMP
	8	10-1-19	100% CONSTRUCTION DOC'S	AMP
	9	12-1-19	PLAN CHECK COMMENTS	AMP

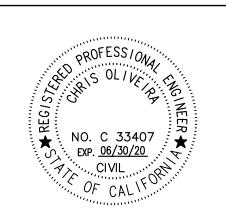
COORDINATING ENGINEER:

# Peek Site-Com

12852 Earhart Ave. Suite 101 Auburn, California 95602 Phone (530) 885-6160

E-Mail info@peeksitecom.com

=SEAL:



CCL02123 ... AMP

SHEET TITLE:

SITE SIGNAGE

SIIE SIGNAGI

SHEET NUMBER:=

U

I. PRODUCT IDENTIFICATION

MANUFACTURER

CHEMICAL/TRADE NAME MARATHON V-0 and Exide Technologies Industriate ne regron label) SPRINTER V-0

Valve Regulated Lead Acid Battery

Approximate Air Exposure Limits (µg/m3)

3950 Sussex Avenue Aurora, IL 60504-7932

FOR INFORMATION CHEMICAL FAMILY/ Electrical Storage Battery

Primary: MACTEC Engineering and Consulting, Inc. CLASSIFICATION on oblock type Attention: Juliann Cothran (770) 421-3485

Secondary: Environmental, Safety & Health DATE ISSUED: January 2010 Attention: Eric Murray (800) 532-4622 or Fred Ganster (610) 921-4052

FOR EMERGENCY

Plate separator material:

CHEMTREC INTERNATIONAL (703) 527-3887 - Collect CHEMTREC (800) 424-9300 24-hour Emergency Response Contact

Ask for Environmental Coordinator II. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

OSHA ACGIH CAS Number Components % by Wt. Inorganic components of: 7439-92-1 71-76 7440-36-0 < 0.6 Antimony Oxide 500 Calcinated Clay N/A < 1.2 N/A N/A N/A 2000 2000 7440-31-5 0.4-0.6 2000 7440-50-8 1000 1000 1000 < 0.1 16-18 1000 200 1000 Electrolyte (sulfuric acid) 7664-93-9 Case Material: Polypropylene 9003-07-0 N/A N/A

NOTE: Inorganic lead and electrolyte (water and sulfuric acid solution) are the primary components of every battery manufactured by Exide Technologies or its subsidiaries. Other ingredients may be present dependent upon battery type. Polypropylene is the principal case material of automotive and commercial batteries.

III. PHYSICAL DATA

Boiling Point (Electrolyte) 2	203° F (at 760 mm Hg)		Specific Gravity (H20=1)	1.230 to 1.350	
Melting Point	Not Applicable		Vapor Pressure	10	
Solubility in Water	100%		(mm Hg at 20 °C)		
Evaporation Rate (Butyl acetate=1)	Less Than 1		Vapor Density (AIR=1)	Greater than 1	
Appearance and Odor	A clear liquid with a sharp, penetrating, pungent odor. A battery is a manufactured article; no apparent odor.		% Volatiles by Weight	Not Applicable	

VII. PRECAUTIONS FOR SAFE HANDLING AND USE (CONTINUED)

waste. Dispose of as a hazardous waste. If uncertain about labeling procedures, call your local battery distributor or listed

VIII. CONTROL MEASURES

Store and handle in well-ventilated area. If mechanical ventilation is used, components must be acid-resistant.

avoid spilling acid through the vents. Avoid contact with internal components of the batteries.

mist are known or suspected to exceed PEL, use NIOSH or MSHA-approved respiratory protection.

None required under normal conditions. If battery case is damaged, chemical goggles or face shield.

Regulations Special Provision A-67. For ocean shipments, reference IMDG Special Provision #238.

Wash hands thoroughly before eating, drinking or smoking after handling batteries.

Handle batteries cautiously. Make certain vent caps are on selfubrativery case is damaged, avoid bodily contact with

internal components. Wear protective clothing, eye and face protection, when charging or handling batteries. Follow all

manufacturers' recommendations when stacking or palletizing. Do not allow metallic materials to simultaneously contact both

the positive and negative terminals of the batteries. Use a battery carrier to lift a battery or place hands at opposite corners to

None required under normal conditions. If an overcharging or overheating condition exists and concentrations of sulfuric acid

None required under normal conditions. If battery case is damaged, use rubber or plastic acid-resistant gloves with elbow-length

In areas where water and sulfuric acid solutions are handled in concentrations greater than 1%, emergency eyewash stations and

IX. OTHER REGULATORY INFORMATION

Not regulated pursuant to §173.159(d) of the DOT Hazardous Materials Regulations (49 CFR Parts 171-180) provided each

package is marked 'NONSPILLABLE' or 'NONSPILLABLE BATTERY'. For air shipments, reference IATADangerous Goods

RCRA: Spent lead-acid batteries are not regulated as hazardous waste when recycled. Spilled sulfuric acid is a characteristic hazardous

Note: Exide Techologies batteries which have met the test requirements for "nonspillable batteries" in shipment must be protected

Spent batteries: Send to secondary lead smelter for recycling following applicable federal, state, and local regulations.

Sulfuric Acid: Neutralize as described above for a spill, collect residue and place in a container labeled as containing hazardous

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POISON - CAUSES SEVERE BURNS

CORROSIVE - CONTAINS SULFURIC ACID

gauntlet, acid-resistant apron, clothing, and boots.

showers should be provided, with unlimited water supply.

Flammability (Red) = 0 Health (Blue) = 3 Reactivity (Yellow) = 2

waste, EPA hazardous waste number D002 (corrosivity).

against short circuit and securely packaged

DANGER - EXPLOSIVE GASES

KEEP AWAY FROM CHILDREN

Engineering Controls and Work Practices:

contact. DO NOT FLUSH LEAD CONTAMINATED ACID TO SEWER

Waste Disposal Methods:

Precautionary Labeling:

Hygiene Practices:

Respiratory Protection:

Protective Clothing:

NFPA Hazard Rating for sulfuric acid:

Label: NONSPILLABLE

TRANSPORTATION:

Eye Protection:

IV. FIRE AND EXPLOSION HAZARD DATA lash Point: LEL = 4.1% (Hydrogen Gas in air); UEL = 74.2% Extinguishing media:CO2; foam; dry chemical

Special Fire Fighting Procedures: Use positive pressure, self-contained breathing apparatus. Beware of acid splatter during water application and wear acidresistant clothing, gloves, face and eye protection. If batteries are on charge, shut off power to the charging equipment, but, note that strings of series connected batteries may still pose risk of electric shock even when charging equipment is shut down.

Unusual Fire and Explosion Hazards: In operation or when on charge, batteries generate hydrogen and oxygen gases (hydrogen is highly flammable and oxygen supports combustion). They must always be assumed to contain these gases which, if ignited by burning cigarette, naked flame or spark, may cause battery explosion with dispersion of casing fragments and corrosive liquid electrolyte. Carefully follow manufacturer's instructions for installation and service. Keep away all sources of gas ignition, ensure that adequate ventilation is provided, and do not allow metallic articles to simultaneously contact the negative and positive terminals of a battery.

V. REACTIVITY DATA

Stable X Unstable Conditions to Avoid: Prolonged overcharging and overheating current; sparks and other sources of ignition.

Electrolyte: Contact of sulfuric acid with combustibles and organic materials may cause fire and explosion. Also reacts violently with strong reducing agents, most metals, carbides, chlorates, nitrates, and picrate, sulfur trioxide gas, strong oxidizers, and water. Contact with metals may produce toxic sulfur dioxide fumes and may release flammable hydrogen gas.

Lead compounds: Avoid contact with strong acids, bases, halides, halogenates, potassium nitrate, permanganate, peroxides, nascent hydrogen, potassium, carbides, sulfides, phosphorus, sulfur and reducing agents.

Electrolyte: Sulfur trioxide, carbon monoxide, sulfuric acid mist, sulfur dioxide, hydrogen sulfide, hydrogen.

Lead compounds: Temperatures above the melting point are likely to produce toxic metal fume, vapor, or dust; contact with strong acid or base or presence of nascent hydrogen may generate highly toxic arsine gas. Hazardous Polymerization: May Occur \_\_\_\_ Will Not Occur X\_\_

VI. HEALTH HAZARD DATA

Electrolyte: Harmful by all routes of entry. Under normal conditions of use, sulfuric acid vapors and mist are not generated. Sulfuric acid vapors and mist may be generated when product is overheated, oxidized, or otherwise processed or damaged. Lead compounds: Under normal conditions lead dust, vapors, and fumes are not generated. Hazardous exposure can occur only when product is heated above the melting point, oxidized or otherwise processed or damaged to create dust, vapor, or fume.

Electrolyte: Breathing of sulfuric acid vapors or mists may cause severe respiratory irritation.

Lead compounds: Inhalation of lead dust or fumes may cause irritation of upper respiratory tract and lungs.

Electrolyte: May cause severe irritation of mouth, throat, esophagus, and stomach. Lead compounds: Acute ingestion may cause abdominal pain, nausea, vomiting, diarrhea, and severe cramping. This may lead rapidly to systemic toxicity. Acute ingestion should be treated by physician.

CERCLA (Superfund) and EPCRA:

Supplier Notification:

Electrolyte: Sulfuric Acid 7664-93-9

ODC's prior to the May 15, 1993 deadline.

shipment of each calendar year.

<u>Chemical</u>

**CALIFORNIA PROPOSITION 65:** 

Skin Contact/Skin Absorption Electrolyte: Severe irritation, burns, and ulceration. Sulfuric acid is not readily absorbed through the skin. Lead compounds: Not readily absorbed through the skin.

Electrolyte: Severe irritation, burns, cornea damage, blindness. Lead compounds: May cause eve irritation.

Z99-MSDS-MARSPRV0 Rev. AE 2005-05 ANY PHOTOCOPY MUST BE OF THIS ENTIRE DOCUMENT VI. HEALTH HAZARD DATA (CONTINUED)

Electrolyte: Severe skin irritation, burns, damage to cornea may cause blindness, upper respiratory irritation. <u>\_ead compound</u>s: Headache, fatigue, abdominal pain, loss of appetite, nausea, vomiting, diarrhea, muscular aches and weakness, sleep disturbances, and irritability.

Electrolyte: Possible erosion of tooth enamel; inflammation of nose, throat, and bronchial tubes, and scarring of the cornea. Lead compounds: Anemia; neuropathy, particularly of the motor nerves, with wrist drop; kidney damage; reproductive changes

Electrolyte: The National Toxicology Program (NTP) and the International Agency for Research on Cancer (IARC) have classified "strong inorganic acid mist containing sulfuric acid" as a substance that is carcinogenic to humans. This classification does not apply to sulfuric acid solutions in static liquid state or to electrolyte in batteries. Batteries subjected to abusive charging at excessively high currents for prolonged periods of time without vent caps in place may create a surrounding atmosphere of the offensive strong inorganic acid mist containing sulfuric acid. Lead compounds: Listed as a 2B carcinogen, likely in animals at extreme doses. Proof of carcinogenicity in humans is lacking

Medical Conditions Generally Aggravated by Exposure: Overexposure to sulfuric acid mist may cause lung damage and aggravate pulmonary conditions. Contact of electrolyte (water and sulfuric acid solution) with skin may aggravate skin diseases such as eczema and contact dermatitis. Contact of electrolyte (water and sulfuric acid solution) with eyes may damage cornea and/or cause blindness. Lead and its compounds can aggravate

some forms of kidney, liver, and neurologic diseases. Emergency and First Aid Procedures:

Electrolyte: Remove to fresh air immediatell preathing is difficult, give oxygen. <u>Lead compounds</u>: Remove from exposure, gargle, wash nose, eyes, and lips; consult physician.

<u>Electrolyte</u>: Give large quantities of water; do not induce vomiting; consult physician. Lead compounds. Consult physician immediately.

Electrolyte: Flush with large amounts of water for at least 15 minutes; remove contaminated clothing completely, including shoes and do not wear clothes again until cleaned. If acid is splashed on shoes, remove and discard it they contain leather. Lead compounds: Wash immediately with soap and water. Lead compounds are not readily absorbed through the skin.

Eyes: Electrolyte and Lead compounds: Flush immediately with large amounts of water for at least 15 minutes; consult physician

VII. PRECAUTIONS FOR SAFE HANDLING AND USE

Store batteries under roof in cool, dry, well-ventilated areas that are separated from incompatible materials and from activities which may create flames, sparks, or heat. Keep away from metallic objects that could bridge the terminals on a battery and create a dangerous short-circuit. Single batteries pose no risk of electric shock but there may be increasing risk of electric shock from strings of connected batteries exceeding three 12-volt units.

There is a possible risk of electric shock from charging equipment and from strings of series connected batteries, whether or not being charged. Shut-off power to chargers whenever not in use and before detachment of any circuit connections. Batteries being charged will generate and release flammable hydrogen gas. Charging space should be ventilated. Keep battery vent caps in position. Prohibit smoking and avoid creation of flames and sparks nearby. Wear face and eye protection when near batteries

Spill or Leak Procedures

Remove combustible materials and all sources Sifagriftionof material and contain spill by diking with soda ash, etc. Carefully neutralize spill with soda ash, etc. Make certain mixture is neutral then collect residue and place in a drum or other suitable container with a label specifying "contains hazardous waste" (or if uncertain call distributor regarding proper labeling procedures). Dispose of as hazardous waste. If battery is leaking, place battery in a heavy duty plastic bag. Wear acid resistant boots, face shield, chemical splash goggles and acid resistant gloves. DO NOT RELEASE UNNEUTRALIZED ACID.

Z99-MSDS-MARSPRV0 Rev. AG 2010-01 Page 3 of 5 ANY PHOTOCOPY MUST BE OF THIS ENTIRE DOCUMENT From the World Leader in

**VRLA Battery Technology** 

Designed for durability in Telecommunications and Electric Utility applications, the GNB Industrial Power MARATHON® M12V180FT Battery provides high performance and reliability in long duration discharge applications. The location of the terminals on the front (vs. the top) of the battery greatly facilitates the installation and maintenance of the product when placed in a cabinet enclosure or on a standard relay rack tray. The MARATHON® M12V180FT Battery highlights another example of GNB Industrial Power's extensive experience and world wide leadership in VRLA technology.

"Designed in" Quality Manufacturing

Quality manufacturing processes for the MARATHON® M12V180FT Battery incorporates the industry's most advanced technologies including: an automated helium leak detection system, a computer controlled "fill by weight" acid filler, and a temperature controlled water bath formation process. Each and every unit is capacity tested.

**High Performance MARATHON®** M12V180FT Features

 Patented "Diamond Side-Wall" Design maintains structural integrity in higher operating temperatures • Durable Flame Retardant Polypropylene Container and Cover

complies with UL94 V-0; 28% L.O.I. Carry Handles

facilitates ease of installation

 High-Compression Absorbent Glass Mat (AGM) Technology ensures greater than 99% recombination efficiency

 Integrated Flash Arrestor ultrasonically welded into cover for secure and safe protection

 10 Year Design Life in float applications @ 25°C (77°F); 12 year @ 20°C (68°F)

 Superior Lead-Tin-Calcium Positive Alloy helps to resist corrosion

Higher Vent Opening Pressure

minimizes unnecessary gassing; one-way self resealing device • Front Accessible Copper Alloy, 6 mm, Female Terminals

ensures low resistance, high integrity connections "Easy On\Easy Off" Terminal Post Protector

provides added safety Wider Bushing

allows access for larger probes

Footprint Ready

fits in all standard 23" Relay Rack Applications

• Compliance: Designed in accordance with IEC 60896-21/-22

• No Transport Restrictions: Complies with IATA/ICAO Special Provision A67; DOT-CFR Title 49; IMDG Amendment 34-08

# **Applications**

The MARATHON®M12V180FT Battery incorporates GNB Industrial Power's advanced VRLA technology designed for long life and high performance in:

<u>Telecommunications</u> Distributed Power

 Cellular Broadband

Electric Utility Switchgear Control Power Communications

**GILROY** 999 MELCHOIR CT

REV: = DATE: =

PROJECT INFORMATION:

6-20-18

7-3-18

4-8-19

5-6-19

8-20-19

9-16-19

10-1-19

COORDINATING ENGINEER:

: CLIENT: :

PROPRIETARY INFORMATION

THE INFORMATION CONTAINED IN THIS

SET OF DRAWINGS IS PROPRIETARY

BY NATURE, ANY USE OR

RELATES TO PEEK SITE-COM IS

STRICTLY PROHIBITED

2700 WATT AVE, SUITE 2200-26

SACRAMENTO, CA 95821

GILROY, CA 95020

5-11-18 | 90% ZONING DOC'S

12-1-19 | PLAN CHECK COMMENTS

= DESCRIPTION: :

90% REVS ZONING DOC'S

1 90% CONSTRUCTION DOC'S

95% CONSTRUCTION DOC'S

REV. 95% CONSTRUCTION DOC'S

I REV. 95% CONSTRUCTION DOC'S

100% CONSTRUCTION DOC'S

Peek Site-Com

12852 Earhart Ave. Suite 101

E-Mail info@peeksitecom.com

Auburn, California 95602

Phone (530) 885-6160

100% ZONING DOC'S

AMP

AMP

AMP

AMP

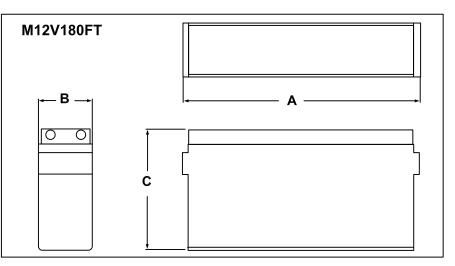
AMP

AMP

DISCLOSURE OTHER THAN THAT WHICH

MARATH IN.

Nominal Dimensions 8 hr to 1.75 10 hr to 1.80 Number Voltage VPC @ 25°C VPC @ 20°C A 12.50 | 559 | 124 M12V180FT



Float Voltage & Charging

Constant Voltage charging is recommended Recommended float voltage: 2.27 VPC @ 25°C (77°F) Float Voltage Range: 2.25 to 2.30 VPC @ 25°C (77°F) Equalize Voltage: 2.35 VPC for 24 Hours or 2.40 VPC for 12 Hours

NOTE: Design and/or specifications subject to change without notice. If questions arise, contact your local GNB industrial Power sales representative for clarification

**Marathon M12V180FT Performance Specifications** Amperes @ 25° (77°F)

End Voltage									Time						
Per Cell	24 hr	20 hr 12	hr 10 h	9 hr 8	hr 7 hr	6 hr 5 rl	4 hr 3	hr 2.5 h	r 2 hr '	.5 hr 1 hr					0.5 hr
1.94 Final Volts Per Cell	6.4	7.6	12.2	14.4	15.9	17.7	20.0	22.5 2	6.1 31	2 39.4	45.6	54.6	69.1	89.8	134.0
1.92 Final Volts Per Cell	6.8	8.0	12.9	15.3	16.9	18.9	21.1	23.8 2	7.6 33	1 41.9	48.6	58.3	73.1	96.1	144.5
1.90 Final Volts Per Cell	7.1	8.4	13.6	16.1	17.8	19.9	22.0	24.9 2	8.9 34	8 44.0	51.2	61.5	76.6	101.7	154.6
1.87 Final Volts Per Cell	7.5	8.9	14.3	16.9	18.6	20.8	23.5	26.5 3	0.6 36	5 45.8	52.8	63.0	79.0	108.7	167.9
1.85 Final Volts Per Cell	7.7	9.1	14.6	17.3	19.1	21.3	24.1	27.1 3	1.3 37	4 47.1	54.4	65.0	81.7	112.7	175.2
1.83 Final Volts Per Cell	7.9	9.3	14.9	17.6	19.5	21.7	24.5	27.6 3	1.9 38	2 48.0	55.6	66.5	83.8	115.9	181.5
1.81 Final Volts Per Cell	7.9	9.4	15.1	17.9	19.7	22.0	24.9	27.9 3	2.3 38	7 48.8	56.5	67.6	85.3	118.2	186.4
1.80 Final Volts Per Cell	8.0	9.4	15.2	18.0	19.8	22.1	25.0	28.0 3	2.5 38	9 49.1	56.8	68.0	85.8	119.1	188.5
1.78 Final Volts Per Cell	8.0	9.5	15.3	18.1	20.0	22.3	25.2	28.2 3	2.7 39	2 49.5	57.4	68.7	86.7	120.3	191.9
1.75 Final Volts Per Cell	8.1	9.6	15.4	18.3	20.2	22.5	25.5	28.4 3	3.0 39	5 49.9	57.9	69.4	87.6	121.7	194.5

Marathon® M12V180FT Electrical Data

Short Circuit Current Resistance (mOhms) Model Number Amps M12V180FT 4147 3.0

> : SITE #: = CCL02123

> > =SHEET TITLE: =

:SHEET NUMBER:=

SITE SIGNAGE

= DRAWN BY:

= REVISION:=

AMP

Z99-MSDS-MARSPRV0 Rev. AH 3121.12 Page 4 of 5 ANY PHOTOCOPY MUST BE OF THIS ENTIRE DOCUMENT

PREPARED BY: FYJEF UFDIOPMPHJFT INDUSTRIAL FOFSHZ 3950 SUSSEX AVENUE AURORA, IL 60504-7932 (800) 872-0471 VENDEE AND THIRD PERSONS ASSUME THE RISK OF INJURY PROXIMATELY CAUSED BY THE MATERIAL IF REASONABLE SAFETY PROCEDURES ARE NOT FOLLOWED AS PROVIDED FOR IN THE DATA SHEET, AND VENDOR SHALL NOT BE LIABLE FOR INJURY TO VENDEE OR THIRD PERSONS PROXIMATELY CAUSED BY ABNORMAL USE OF THE MATERIAL EVEN IF REASONABLE PROCEDURES ARE FOLLOWED. ALL PERSONS USING THIS PRODUCT, ALL PERSONS WORKING IN AN AREA WHERE THIS PRODUCT IS USED, AND ALL PERSONS HANDLING THIS PRODUCT SHOULD BE FAMILIAR WITH THE CONTENTS OF THIS DATA SHEET. THIS INFORMATION SHOULD BE EFFECTIVELY COMMUNICATED TO EMPLOYEES AND OTHERS WHO MIGHT COME IN CONTACT WITH THE PRODUCT. WHILE THE INFORMATION ACCUMULATED AND SET FORTH HEREIN IS BELIEVED TO BE ACCURATE AS OF THE DATE HEREOF, EXIDE TECHNOLOGIES MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON. RECIPIENTS ARE ADVISED TO CONFIRM IN ADVANCE OF NEED THAT THE INFORMATION IS CURRENT, APPLICABLE, AND SUITABLE FOR THEIR PARTICULAR CIRCUMSTANCES.

ANY PHOTOCOPY MUST BE OF THIS ENTIRE DOCUMENT

IX. OTHER REGULATORY INFORMATION (CONTINUED)

Community Right to Know Act) is 1,000 lbs. State and local reportable quantities for spilled sulfuric acid may vary.

d) EPCRA Section 312 Tier Two reporting is required for non-automotive batteries if sulfuric acid is present in quantities of 500

c) EPCRA Section 302 notification is required if 1,000 lbs or more of sulfuric acid is present at one site. An average

lbs or more and/or if lead is present in quantities of 10,000 lbs or more.

7439-92-1

other reproductive harm."

Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

TSCA: Each ingredient chemical listed in Section II of this MSDS is also listed on the TSCA Registry.

Reportable Quantity (RQ) for spilled 100% sulfuric acid under CERCLA (Superfund) and EPCRA (Emergency Planning and

Sulfuric acid is a listed "Extremely Hazardous Substance" under EPCRA, with a Threshold Planning Quantity (TPQ) of 1,000

automotive/commercial battery contains approximately 5 lbs of sulfuric acid. Contact your Exide representative for additional

This product contains a toxic chemical or chemicals subject to the reporting requirements of section 313 of (Title) III of the

16-18

CAA: Exide Technologies supports preventative actions concerning ozone depletion in the atmosphere due to emissions of CFC's and

Act Amendments (CAAA) of 1990, finalized on January 19, 1993, Exide established a policy to eliminate the use of Class I

Note: The Section 313 supplier notification requirement does not apply to batteries that are "consumer products".

CANADIAN REGULATIONS: All chemical substances in this product are listed on the CEPA DSL/NDSL or are exempt from list

"WARNING: This product contains lead, a chemical known to the State of California to cause cancer, or birth defects or

Percent by Weight

If you distribute this product to other manufacturers in SIC Codes 20 through 39, this information must be provided with the first

other ozone depleting chemicals (ODC's), defined by the USEPA as Class I substances. Pursuant to Section 611 of the Clean Air

Z99-MSDS-MARSPRV0 Rev. AH 3121.12 Page 5 of 5

Geil Engineering 1226 High Street Auburn, California 95603-5015 A.T.& T. Mobility Project No./Name: Project Site Location: Coordinates (Tower) MONUMENTS WERE SET. QUONSET TOP=252.25'

SCALE 1" = 10'

DATE OF SURVEY: 03-28-18 Engineering \* Surveying \* Planning SURVEYED BY OR UNDER DIRECTION OF: KENNETH D. GEIL, R.C.E. 14803 LOCATED IN THE COUNTY OF SANTA CLARA, STATE OF CALIFORNIA Phone: (530) 885-0426 \* Fax: (530) 823-1309 BEARINGS SHOWN ARE BASED UPON MONUMENTS FOUND AND RECORD INFORMATION. THIS IS NOT A BOUNDARY SURVEY. CCL09814 / GILROY ELEVATIONS SHOWN ON THIS PLAN ARE BASED UPON U.S.G.S. N.A.V.D. 88 DATUM. ABOVE MEAN SEA LEVEL. 999 Melchoir Ct. Gilroy, CA 95020 N.G.V.D. 1929 CORRECTION: SUBTRACT 2.75' FROM ELEVATIONS SHOWN. Santa Clara County CONTOUR INTERVAL: N/A Date of Observation: 03-28-18 CONTRACTOR IS RESPONSIBLE TO VERIFY LEASE AREA PRIOR TO CONSTRUCTION. Equipment/Procedure Used to Obtain Coordinates: Trimble Pathfinder Pro XL post processed with Pathfinder Office software. ASSESSOR'S PARCEL NUMBER: 783-17-045 Type of Antenna Mount: Existing Utility Tower SPANO FAMILY TRUST 2002 999 MELCHOIR CT. GILROY, CA 95020 Latitude: N 37° 02' 27.58" (NAD83) N 37° 02' 27.77" (NAD27) Longitude: W 121° 36' 17.53" (NAD83) W 121° 36' 13.73" (NAD27) ELEVATION of Ground at Structure (NAVD88) 236.9' AMSL STRUCTURE HEIGHT: (Top of Tower) 114.0' AGL OVERALL HEIGHT: (Top of Tower) 114.0' AGL CERTIFICATION: I, the undersigned, do hereby certify elevation listed above is based on a field survey done under my supervision and that the accuracy of those elevations meet or exceed 1—A Standards as defined in the FAA ASAC Information Sheet 91:003, and that they are true and accurate to the best of my knowledge and belief. Kenneth D. Geil California RCE 14803 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 ~ 68 8 TITLE WERE NOT INVESTIGATED NOR SURVEYED. NO PROPERTY 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. TOWER DIAGRAM PASTURE PASTURE PORTABLE CORRAL PROPOSED 12' NON-EXCLUSIVE EL:236.75<sup>7</sup> A.T.& T. MOBILITY ACCESS ROUTE GRAVEL EL:237.09' STABLE TOP=247.21' PROPOSED A.T.& T. MOBILITY<sup>J</sup> LICENSE AREA PORTABLE CORRAL

EL:236.85'

PASTURE

EXISTING UTILITY TOWER SEE TOWER DIAGRAM

PROPOSED 6' NON-EXCLUSIVE A.T.& T. MOBILITY UTILITY ROUTE

PROJECT AREA ENLARGEMENT | SCALE 1" = 60'

#### License Area Description

APN: 783-17-047

All that certain license area being a portion of that certain Lot 9 as is shown on that certain Tract Map filed for record at Book 465 of Maps at Page 38, Santa Clara County Records, located in the County of Santa Clara, State of California, and being a portion of Section 2, Township 15 N., Range 17 W., M.D.B.& M, and being more particularly described as follows:

Commencing at a standard county monument in box set for the centerline intersection of Melchoir Court and Day Road as is shown on the above referenced map from which a similar monument bears North 20°15'10" East 601.30 feet; thence from said point of commencement North 74°16'37" East 655.29 feet to a point under the existing utility tower and the True Point of Beginning; thence from said True Point of Beginning South 48°07'58" East 19.00 feet; thence North 41°52'02" East 19.00 feet; thence North 48°07'58" West 19.00 feet; thence South 41°52'02" West 19.00 feet to the point of beginning.

Together with a non-exclusive route for access purposes twelve feet in width the centerline of which is described as follows: beginning at the midpoint on the Northwest boundary of the above described license area and running thence North 48°07'58" West 6.60 feet; thence South 88°56'00" West 65.25 feet; thence North 73°23'43" West 57.50 feet; thence North 30°47'57" West 66.39 feet; thence North 55°18'54" West 102.95 feet; thence North 29°03'20" West 19.69 feet; thence through a tangent curve to the left having a radius of 115.00 feet through an arc distance of 82.09 feet; thence tangent to last curve North 69°57'18" West 137.8 feet more or less to the public right of way more commonly known as Melchoir Court.

Also together with a non-exclusive route for utility purposes six feet in width the centerline of which is described as follows: beginning at a point on the Southeast boundary of the above described license area which bears North 41°52'02" East 3.00 feet from the most Southerly corner thereof and running thence South 48°07'58" East 9.67 feet; thence South 20°15'10" West 331.2 feet more or less to the public right of way more commonly known as Day Road.

APN: 783-17-045

10' PRIVATE WATER SYSTEM EASEMENT

PER 465/MAPS/38

APN: 783-17-046

30' STORM DRAIN EASEMENT

PER 465/MAPS/38

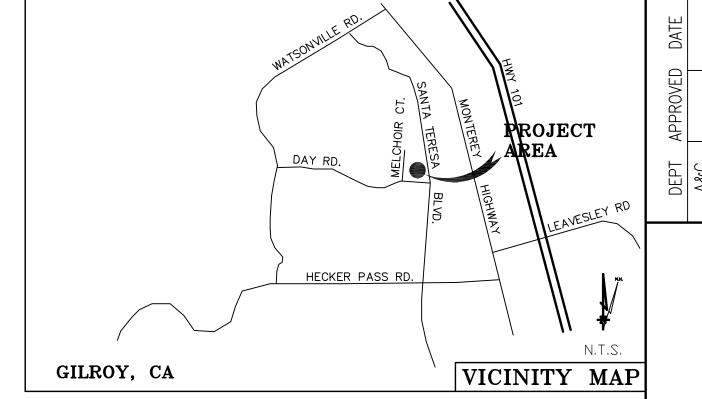
COVERED ARENA

PROPOSED 12' NON-EXCLUSIVE A.T.& T. MOBILITY ACCESS ROUTE

TOP=260.67'

CANOPY

PROPOSED 6' NON-EXCLUSIVE A.T.& T. MOBILITY UTILITY ROUTE



OVERALL SITE PLAN

SEE PROJECT AREA ENLARGEMENT

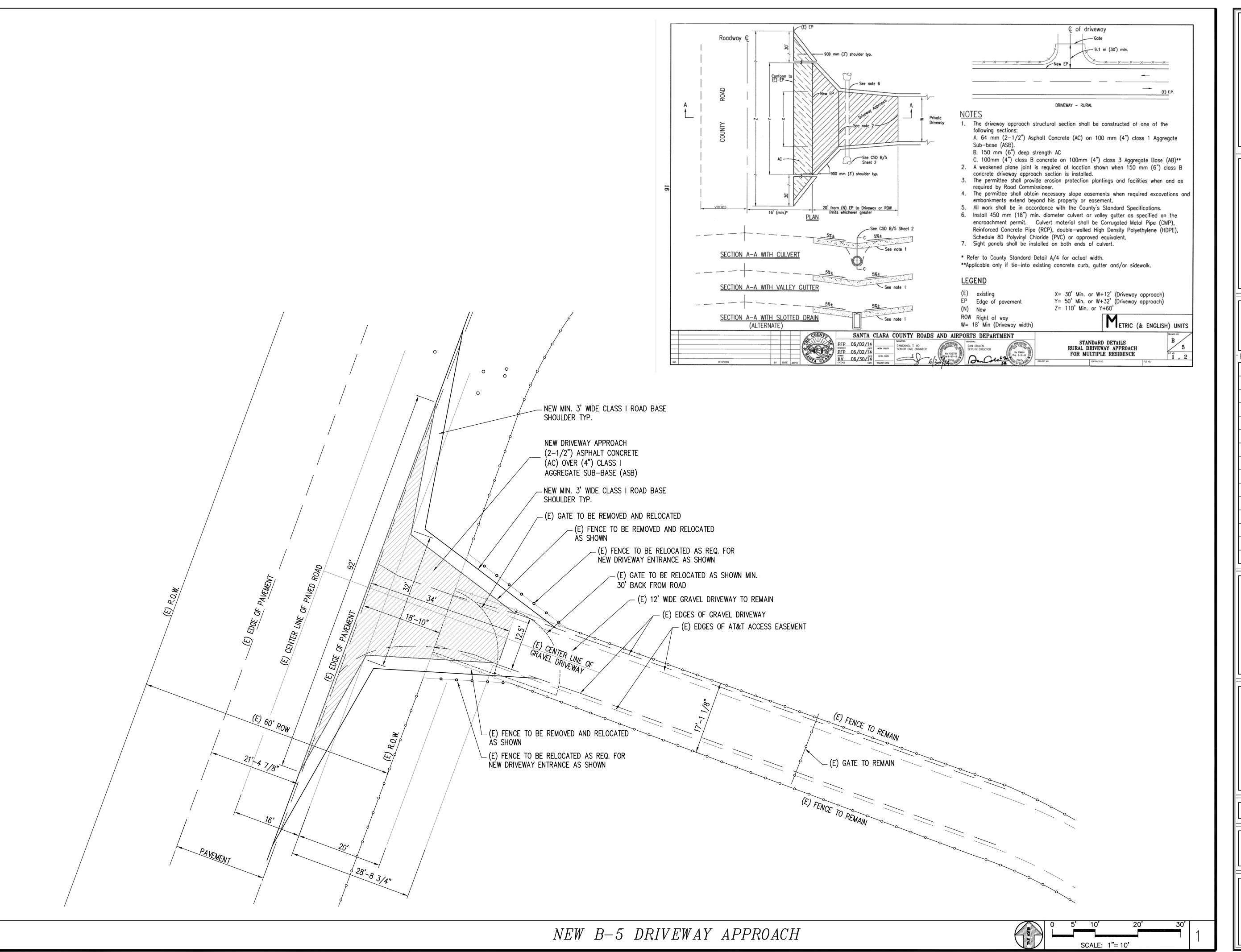
DVERHEAD CONDUCTOR

465/MAPS/38 - LOCATION AND WIDTH

INDETERMINABLE FROM RECORD

APN: 783-17-044

J-POLE W/ TRANSFORMER



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= CLIENT: ===



2700 WATT AVE, SUITE 2200-26 SACRAMENTO, CA 95821

= PROJECT INFORMATION: =

GILROY
999 MELCHOIR CT.
GILROY, CA 95020

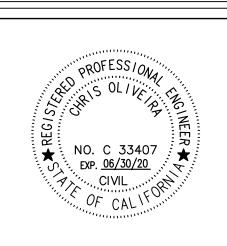
COORDINATING ENGINEER:

Peek Site-Com

12852 Earhart Ave. Suite 101 Auburn, California 95602 Phone (530) 885—6160

E-Mail info@peeksitecom.com

SEAL: =



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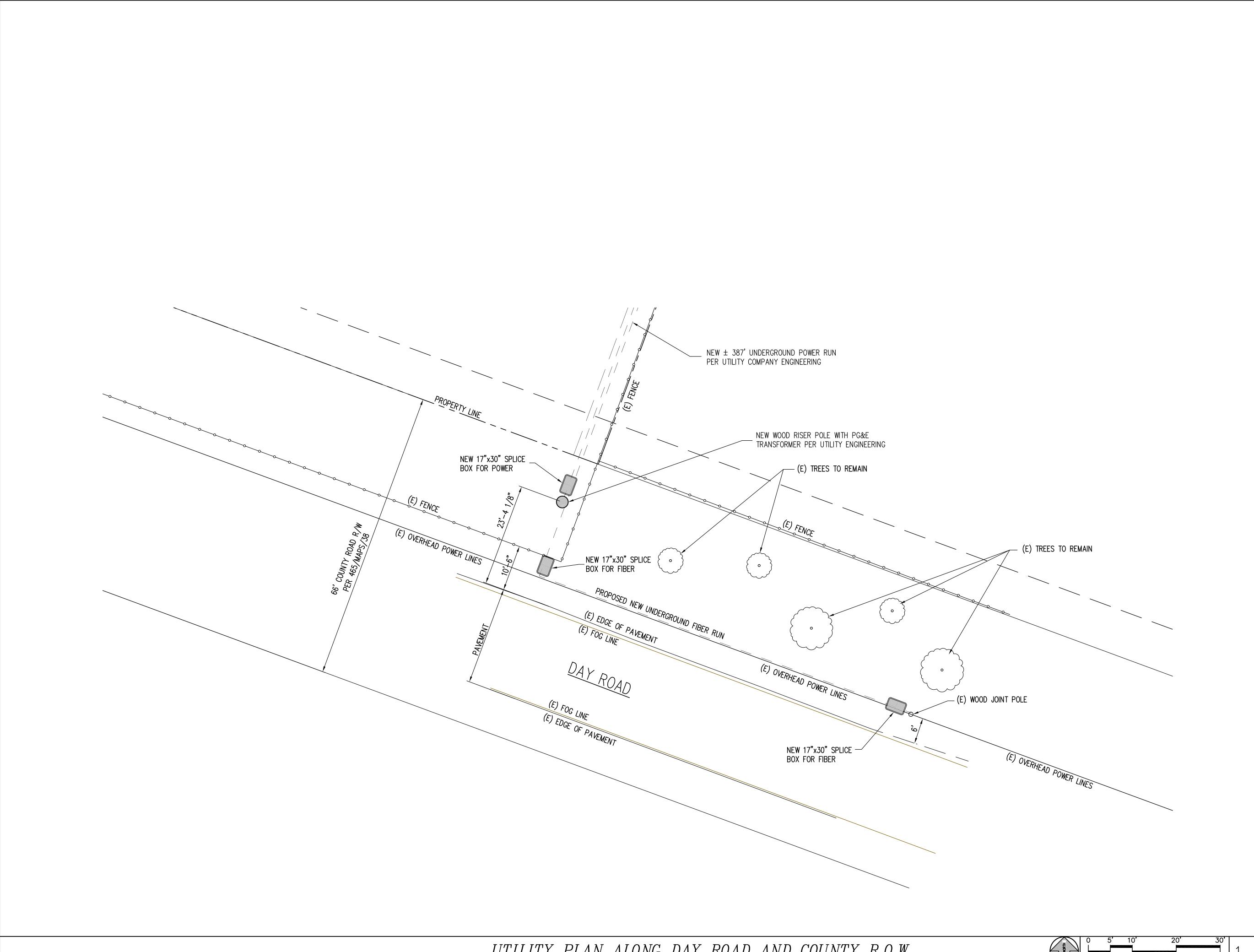
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DRIVEWAY APPROACH
PLAN

=SHEET NUMBER: REVISION:

**C-2** 

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2700 WATT AVE, SUITE 2200-26 SACRAMENTO, CA 95821

= PROJECT INFORMATION: =

### GILROY 999 MELCHOIR CT.

GILROY, CA 95020

REV:	== DATE: ====	DESCRIPTION:	<u> </u>
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2	6-20-18	90% REVS ZONING DOC'S	AMP
3	7-3-18	100% ZONING DOC'S	AMP
4	4-8-19	90% CONSTRUCTION DOC'S	AMP
5	5-6-19	95% CONSTRUCTION DOC'S	AMP
6	8-20-19	REV. 95% CONSTRUCTION DOC'S	AMP
7	9-16-19	REV. 95% CONSTRUCTION DOC'S	AMP
8	10-1-19	100% CONSTRUCTION DOC'S	AMP
9	12-1-19	PLAN CHECK COMMENTS	AMP

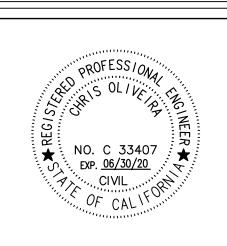
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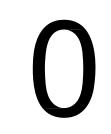
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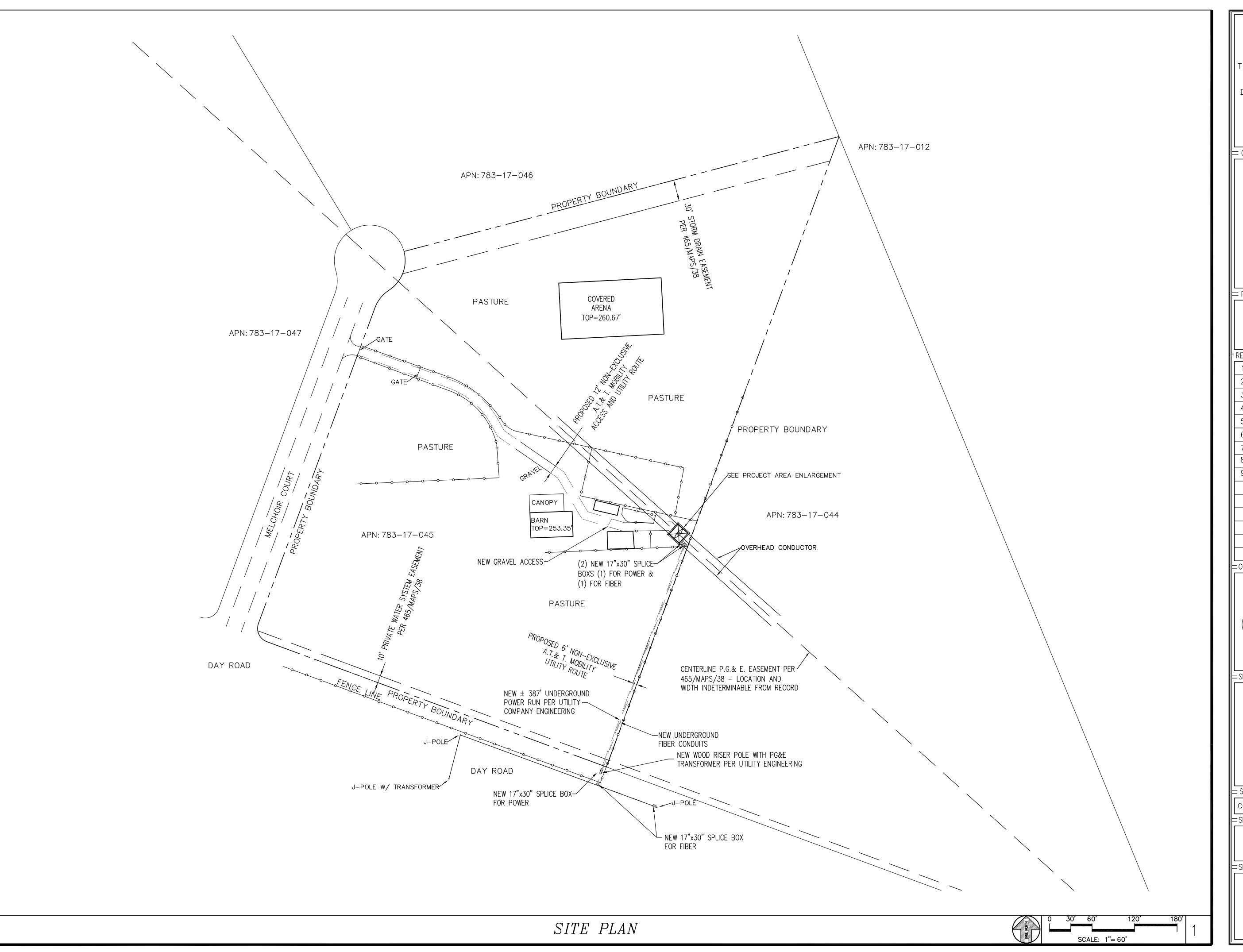
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SCALE: 1"= 10'

UTILITY PLAN AT COUNTY ROW

=SHEET NUMBER:= = REVISION:=





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= PROJECT INFORMATION:=

## GILROY 999 MELCHOIR CT.

GILROY, CA 95020

- REV	′: = DATE: ===	DESCRIPTION:	BY:
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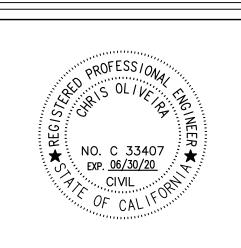
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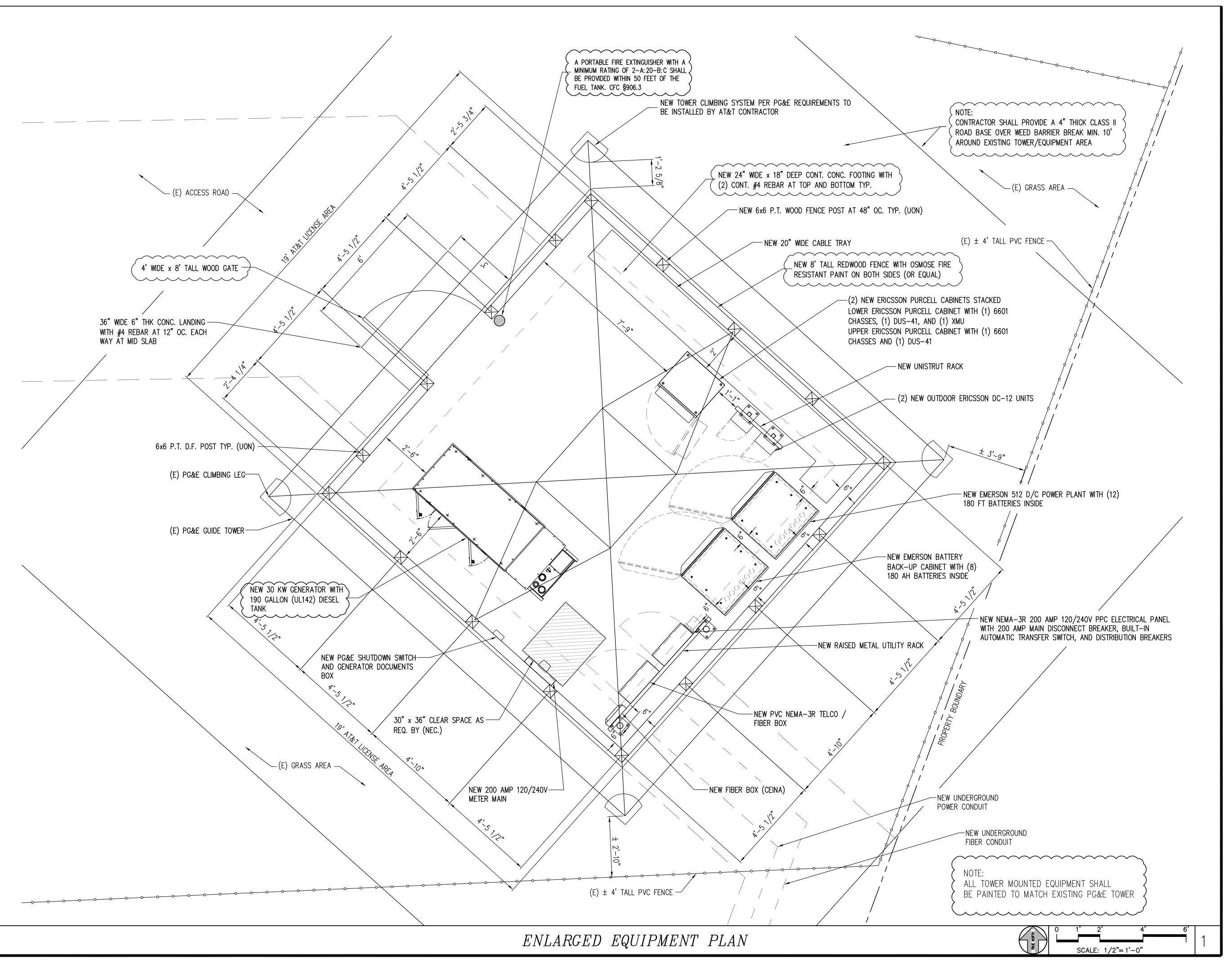


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SITE PLAN

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PROJECT INFORMATION: =

# GILROY

999 MELCHOIR CT. GILROY, CA 95020

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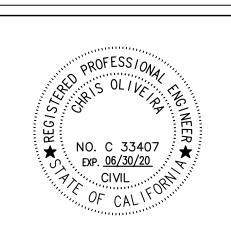
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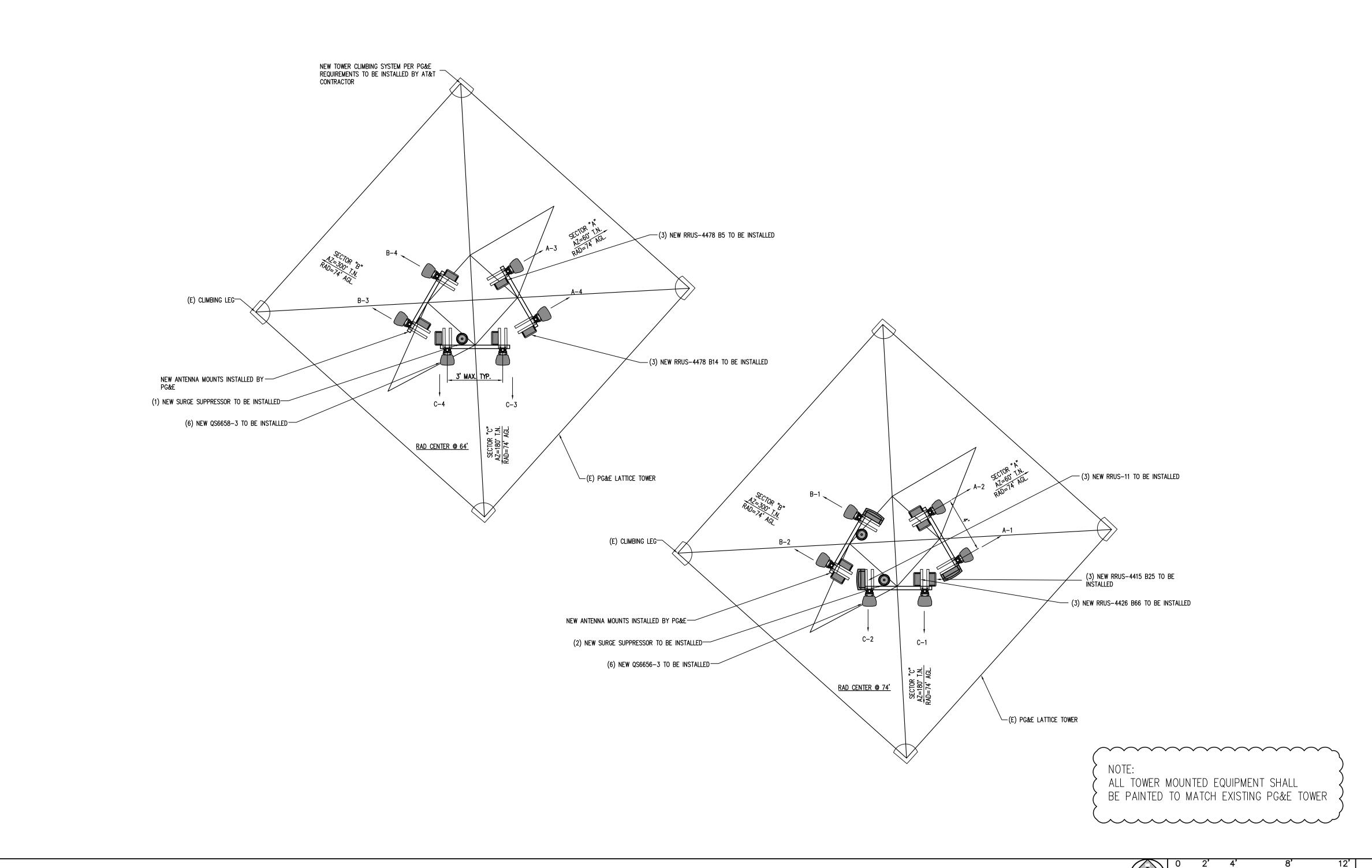


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ENLARGED EQUIP. PLAN

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= PROJECT INFORMATION: =

## GILROY 999 MELCHOIR CT.

GILROY, CA 95020

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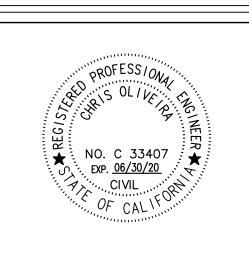
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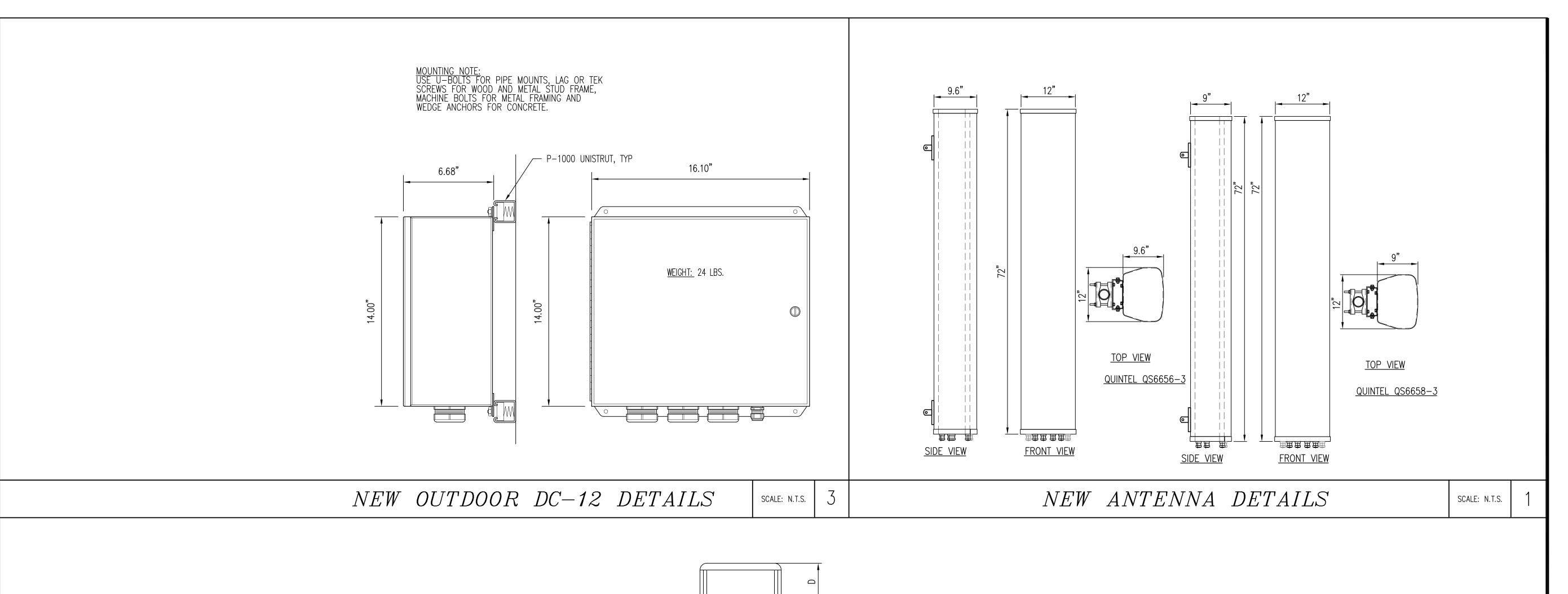
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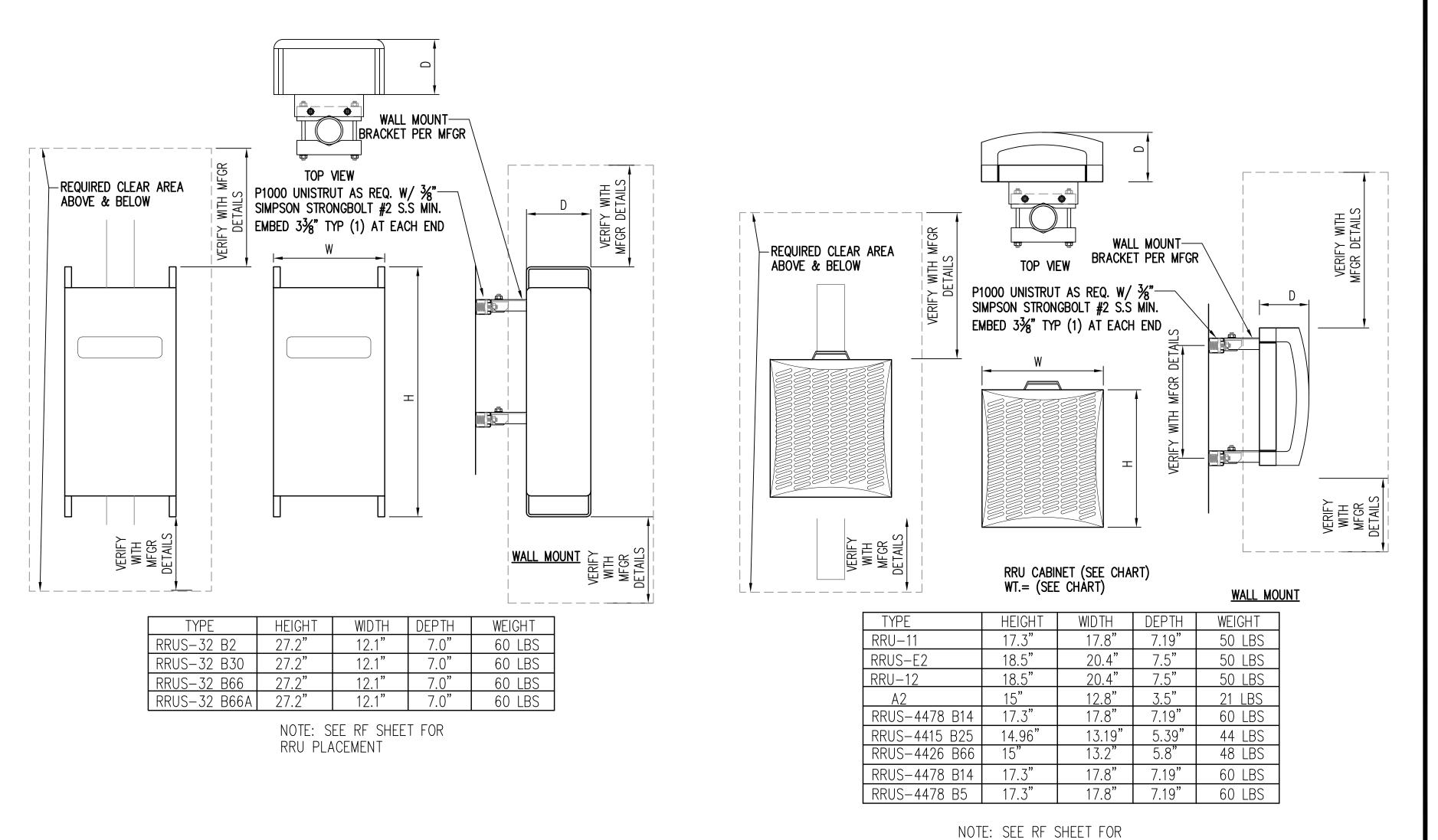
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ENLARGEDANTENNA PLAN

=SHEET NUMBER:= = REVISION:=





= CLIENT: === GILROY, CA 95020 = COORDINATING ENGINEER: = 12852 Earhart Ave. Suite 101 Auburn, California 95602 Phone (530) 885—6160 E—Mail info@peeksitecom.com

PROPRIETARY INFORMATION

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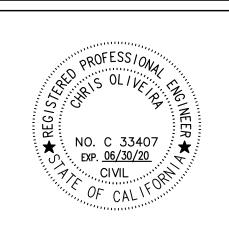
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GILROY 999 MELCHOIR CT.

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	8	10-1-19	100% CONSTRUCTION DOC'S	AMP
ľ	9	12-1-19	PLAN CHECK COMMENTS	AMP

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ANTENNA DETAILS

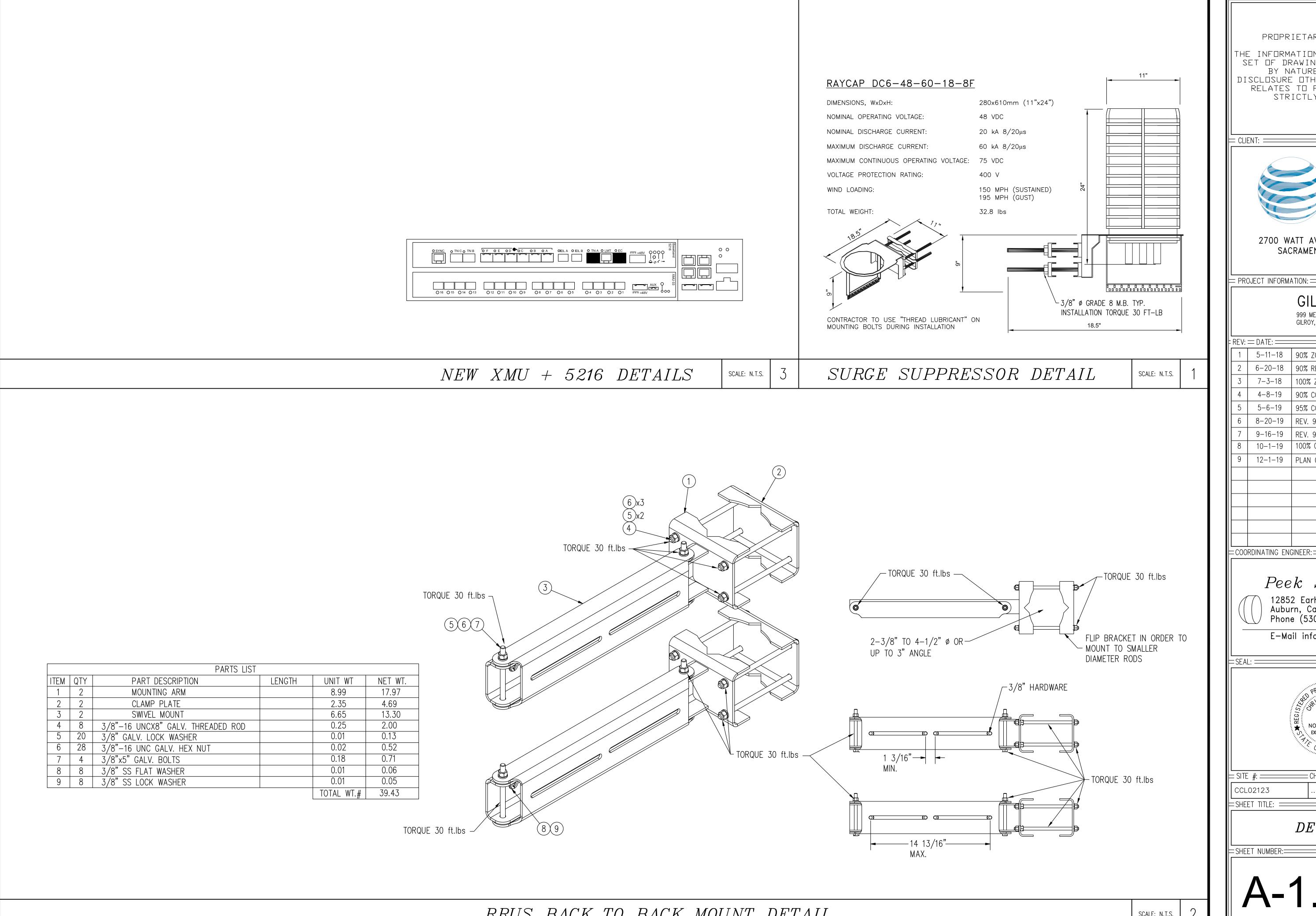
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RRUS DETAIL

RRU PLACEMENT

SCALE: N.T.S.



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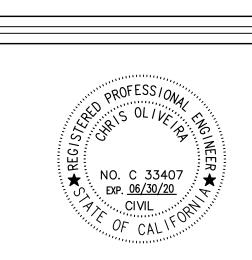
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GILROY 999 MELCHOIR CT. GILROY, CA 95020

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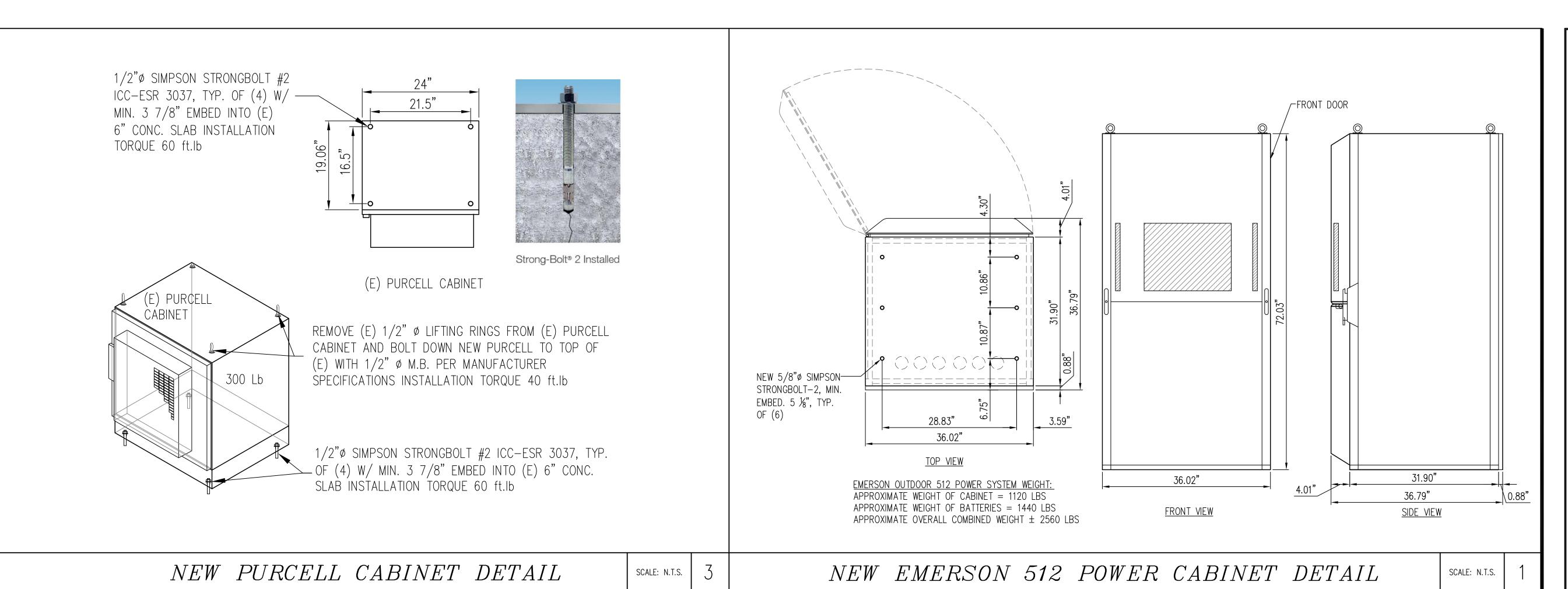
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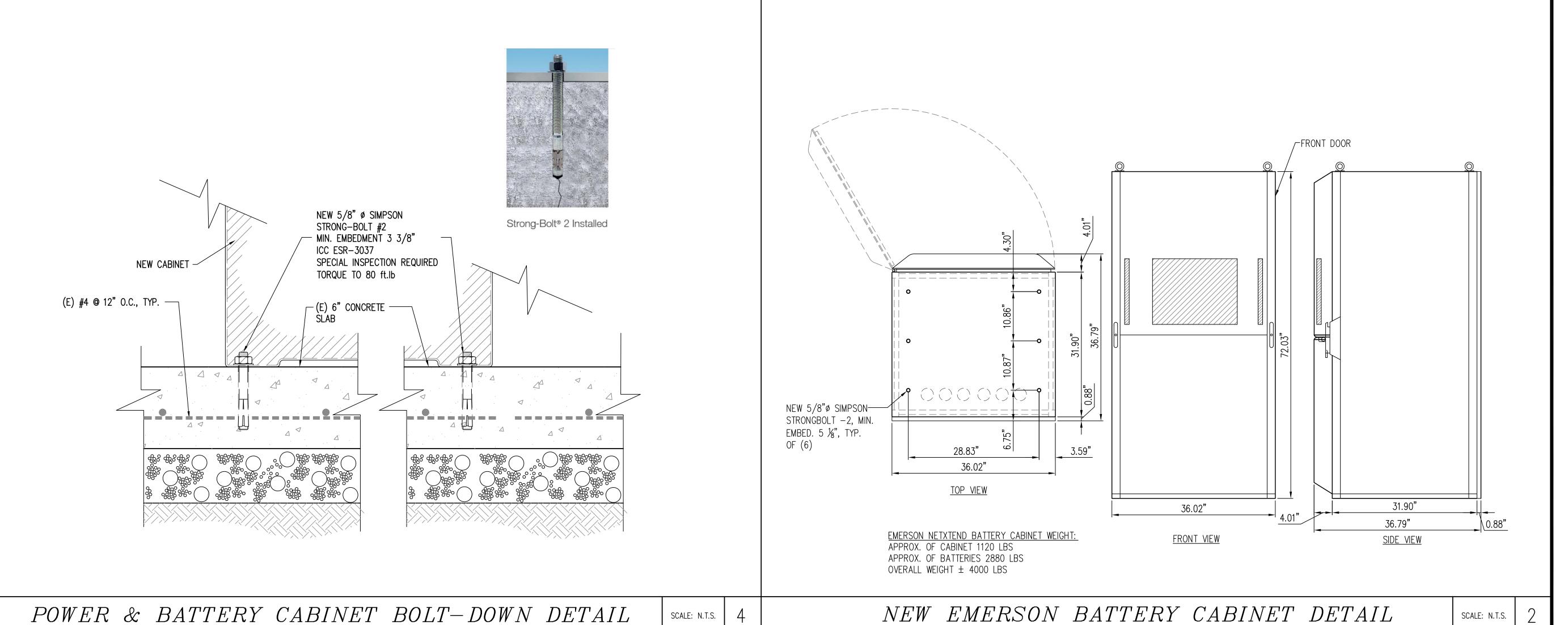


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DETAILS

=SHEET NUMBER:= = REVISION:=





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STRICTLY PROHIBITED = CLIENT: === 2700 WATT AVE, SUITE 2200-26 SACRAMENTO, CA 95821 = PROJECT INFORMATION: = GILROY 999 MELCHOIR CT. GILROY, CA 95020 REV: = DATE: = DESCRIPTION: : 5-11-18 | 90% ZONING DOC'S 6-20-18 90% REVS ZONING DOC'S 7-3-18 100% ZONING DOC'S 4-8-19 90% CONSTRUCTION DOC'S 5-6-19 95% CONSTRUCTION DOC'S 8-20-19 REV. 95% CONSTRUCTION DOC'S 9-16-19 | REV. 95% CONSTRUCTION DOC'S 10-1-19 100% CONSTRUCTION DOC'S 12-1-19 PLAN CHECK COMMENTS

Peek Site-Com

COORDINATING ENGINEER:

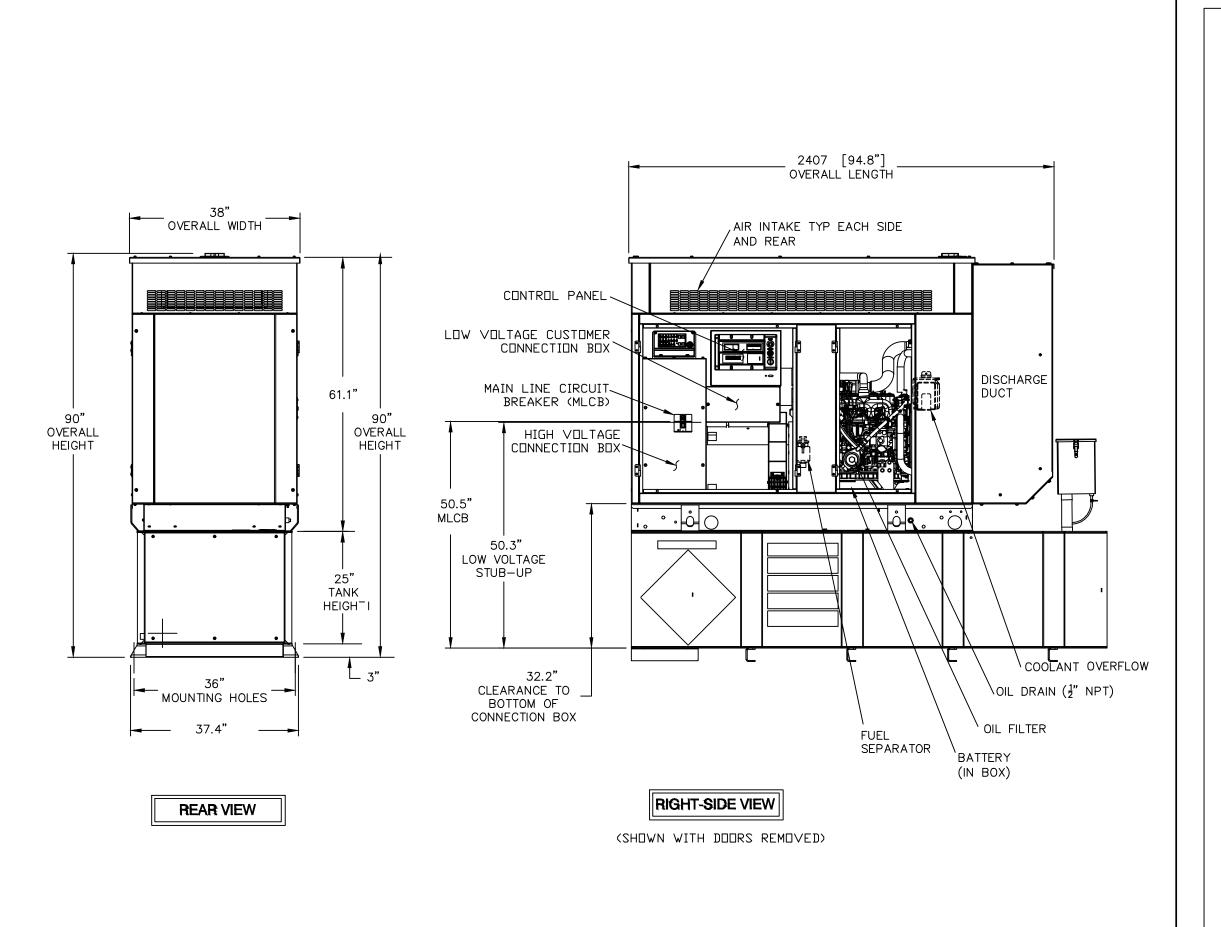
12852 Earhart Ave. Suite 101 Auburn, California 95602 Phone (530) 885—6160

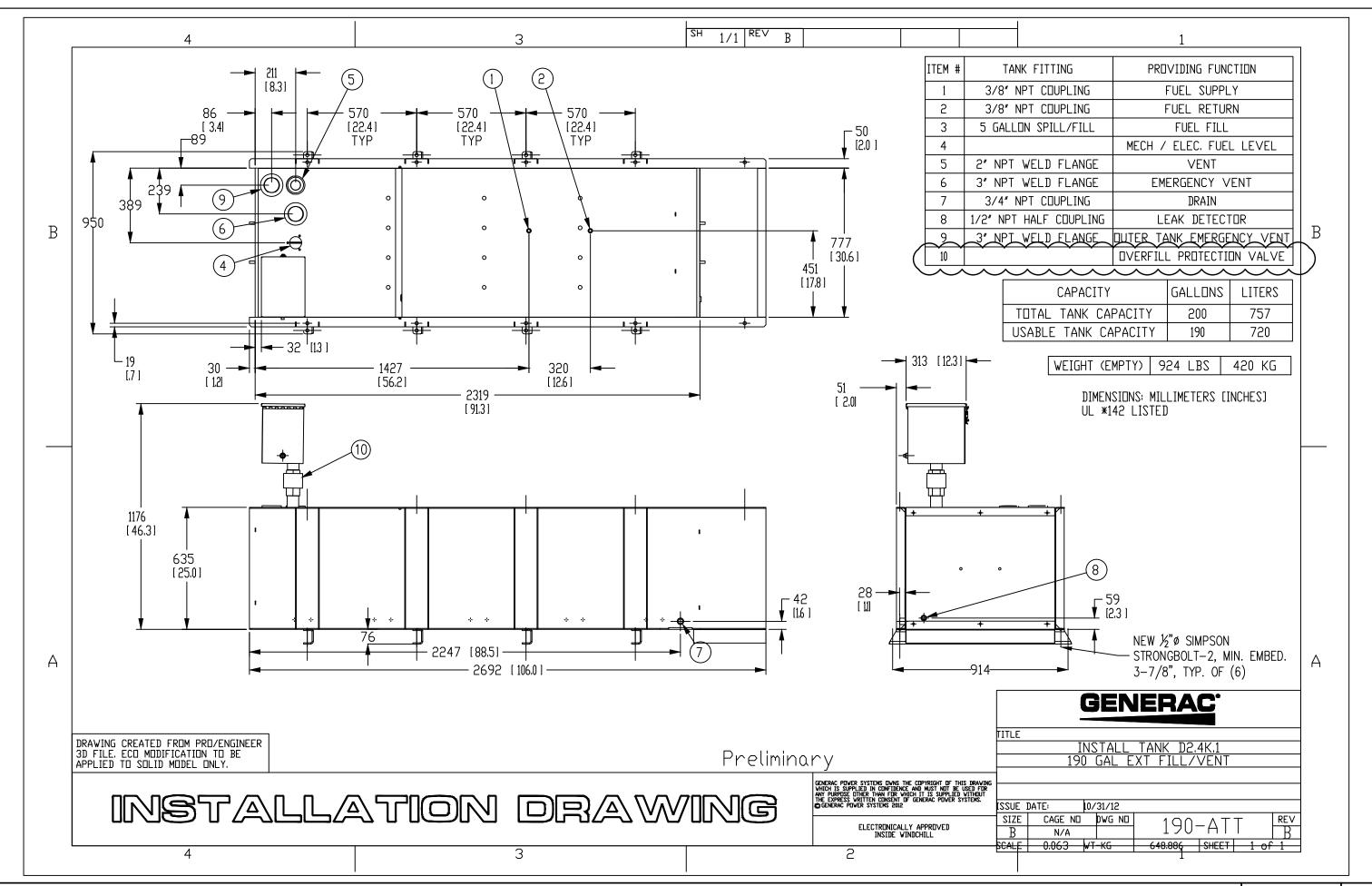
E-Mail info@peeksitecom.com

= SITE #: == CCL02123 =SHEET TITLE: =

DETAILS

=SHEET NUMBER:= = REVISION:=





GENERAL NOTES:

1. This project shall conform with the 2016 California Building, Electrical, Fire and Mechanical Codes, County Ordinance No. NS-1100-125, and NFPA 30, 2012 Edition

GENERATOR DETAIL

2. This installation project also falls under the jurisdiction of the Santa Clara County Dept. of Environmental Health,

Hazardous Materials Compliance Division (HMCD). Contact HMCD at (408) 918—3400 for any additional requirements. 3. Diesel tank shall be UL 2085 protected tank, Verify with the tank specification sheet.

4. Fuel tank shall have a dbl. wall secondary containment system per CFC §5004.2, CFC§5703.4

5. The vent pipe outlets shall terminate at least 12 feet above ground per CFC §5704.2.7.3.3

7. Fuel tank shall have a overfill prevention valve in accordance with CFC §5704.2.9.7.5.

8. Fuel leaks shall be reported in accordance with CFC §5704.2.7.10 verify with the manufacturer's data sheet for the leak detection devices.

9. Fuel tank shall be properly labeled with contents. Additional signs shall be posted prohibiting open flames and

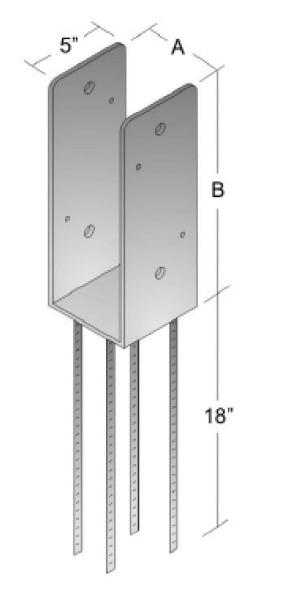
smoking. CFC \$5704.2.3.2 10. A portable fire extinguisher with a minimum rating of 2-A:20-B:C shall be provided within 50 feet of the fuel tank.

CFC §906.3

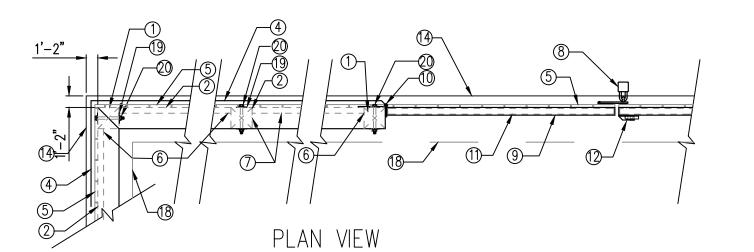
11. The generator enclosure shall be placarded with the appropriate NFPA 704 placard. CFC \$5003.5

# SWP6 SERIES

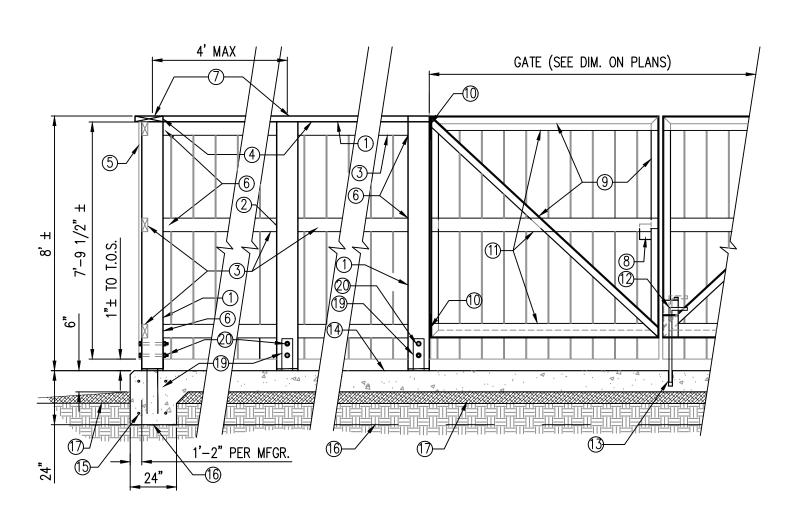
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STURDI-WALL PLUS WET SET (SWP66) COLUMN BASE



DIESEL TANK DETAIL



#### WOOD FENCE CONSTRUCTION NOTES:

- (1) GATE, END OR CORNER POST, 6"x6" P.T. DOUGLAS FIR (TYP.)
- ② LINE POST, 6"x6" P.T. DOUGLAS FIR (TYP.)
- (3) TOP, BOTTOM, & MID RAIL, 2"x4" P.T. DOUGLAS FIR (TYP.)
- (4) 2"x8" P.T. DOUGLAS FIR AT TOP CAP TOP MITERED @ CORNERS
- (5) 1"x6" ROUGH SAWN REDWOOD FENCE BOARDS (TYP.)
- (6) TOE NAIL (TYP. RAILS TO CORNER, GATE, & INTERMEDIATE POSTS).
- (7) NAIL TOP CAP TO TOP RAIL @ 12"-16" O.C.
- (8) HIGH SECURITY (HDG) PADLOCK HASP MOUNTED THROUGH FENCE BOARDS TO 1/4" THK. STEEL ON GATE SUPPORT.
- 9 GATE SUPPORT, SHOP FABRICATED 2"x2" ANGLE STEEL WELDED FRAME WITH REQUIRED HINGES, DROP BOLT BRACKET, & PLATE TO MOUNT PADLOCK HASP. TOP & BOTTOM RAILS DRILLED & COUNTERSUNK FOR 1/4" FLAT HEAD WOOD SCREWS @ 16" O.C. ALONG FACE. (HOT DIP GALVANIZE AFTER FABRICATION)
- (10) TEE TYPE HINGES (SIZE AS REQUIRED TO SUPPORT GATE).
- 11) NAILING CLEATS, 2"x4" P.T. DOUGLAS FIR SCREWED TO TOP & BOTTOM RAILS OF STEEL GATE SUPPORT WITH 1/4" FLAT HEAD WOOD SCREWS.
- (12) 3/4" DIA. DROP BOLT (HDG) SHOP WELDED TO GATE SUPPORT FRAME.
- 13 PROVIDE HOLE IN SLAB FOR NEW 3/4" DROP BOLT. THICKEN SLAB @ DROP BOLT LOCATION TO AS REQ.
- 6" THICK CONCRETE SLAB W/ FOOTING EDGE 24" WIDE x 18" DEEP ENTIRE PERIMETER OF SLAB, & #4 REBAR 12"O.C. EA. WAY AT MID SLAB
- (15) (2) CONT. #4 REBAR 3" UP FROM BOTTOM AND 3" DOWN FROM TOP TYP. OF (4) IN FOOTING ENTIRE PERIMETER OF SLAB.
- (16) BOTTOM OF THICKENED CONCRETE BEYOND.
- (17) 3" COMPACTED CLASS II CRUSHED ROCK BASE
- (18) INSIDE EDGE THICKENED CONCRETE.
- (19) STURDI-WALL PLUS WET SET (SWP66) COLUMN BASE PER PG&E REQUIREMENTS INSTALL PER MFGR. FOR FULL LOADS.
- ② 5/8" M.B., NUT, & WASHERS TYP. AS REQ.

ALL NAILS, SCREWS, & OTHER HARDWARE SHALL BE HOT DIPPED GALVANIZED. NAILS & SCREWS SHALL BE OF CORRECT SIZE TO ENSURE A STRONG AND SERVICEABLE FENCE STRUCTURE.

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PROPRIETARY INFORMATION

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= PROJECT INFORMATION::

**GILROY** 999 MELCHOIR CT. GILROY, CA 95020

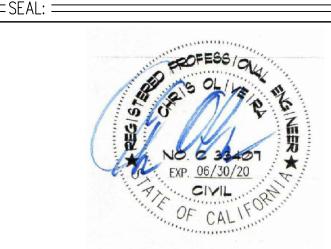
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	4	4-8-19	90% CONSTRUCTION DOC'S	AMP
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	6	8-20-19	REV. 95% CONSTRUCTION DOC'S	AMP
	7	9-16-19	REV. 95% CONSTRUCTION DOC'S	AMP
	8	10-1-19	100% CONSTRUCTION DOC'S	AMP
	9	12-1-19	PLAN CHECK COMMENTS	AMP
	10	2-13-20	GENERATOR HEIGHT INFORMATION	TAP

COORDINATING ENGINEER:=



Phone (530) 885-6160 E-Mail info@peeksitecom.com

Auburn, California 95602

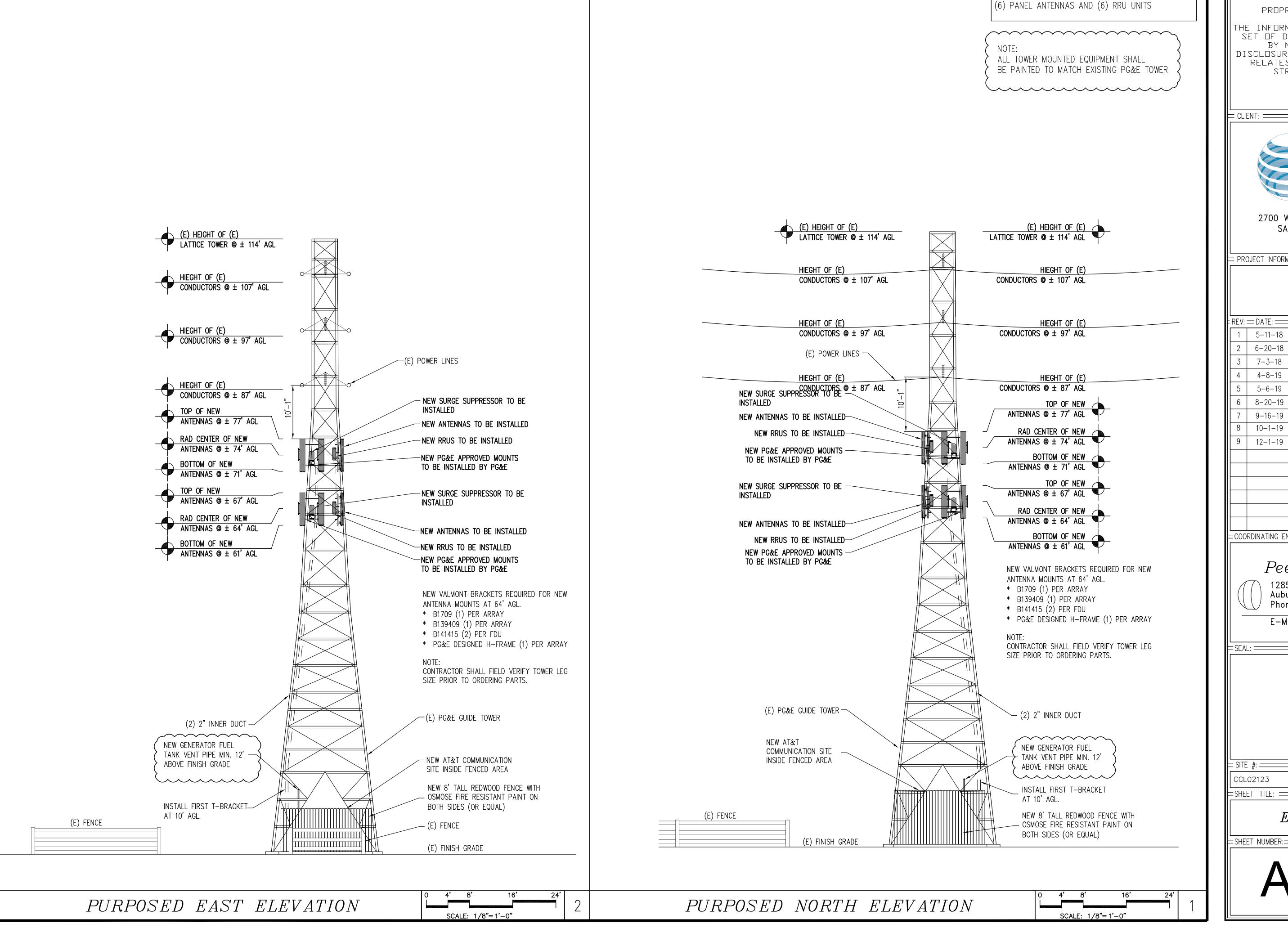


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**DETAILS** 

SHEET NUMBER:= REVISION:

SCALE: N.T.S.



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FINAL ANTENNA CONFIGURATION:



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GILROY 999 MELCHOIR CT. GILROY, CA 95020

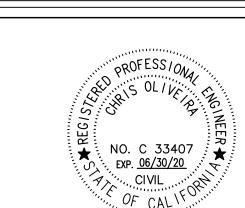
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8	10-1-19	100% CONSTRUCTION DOC'S	AMP
9	12-1-19	PLAN CHECK COMMENTS	AMP

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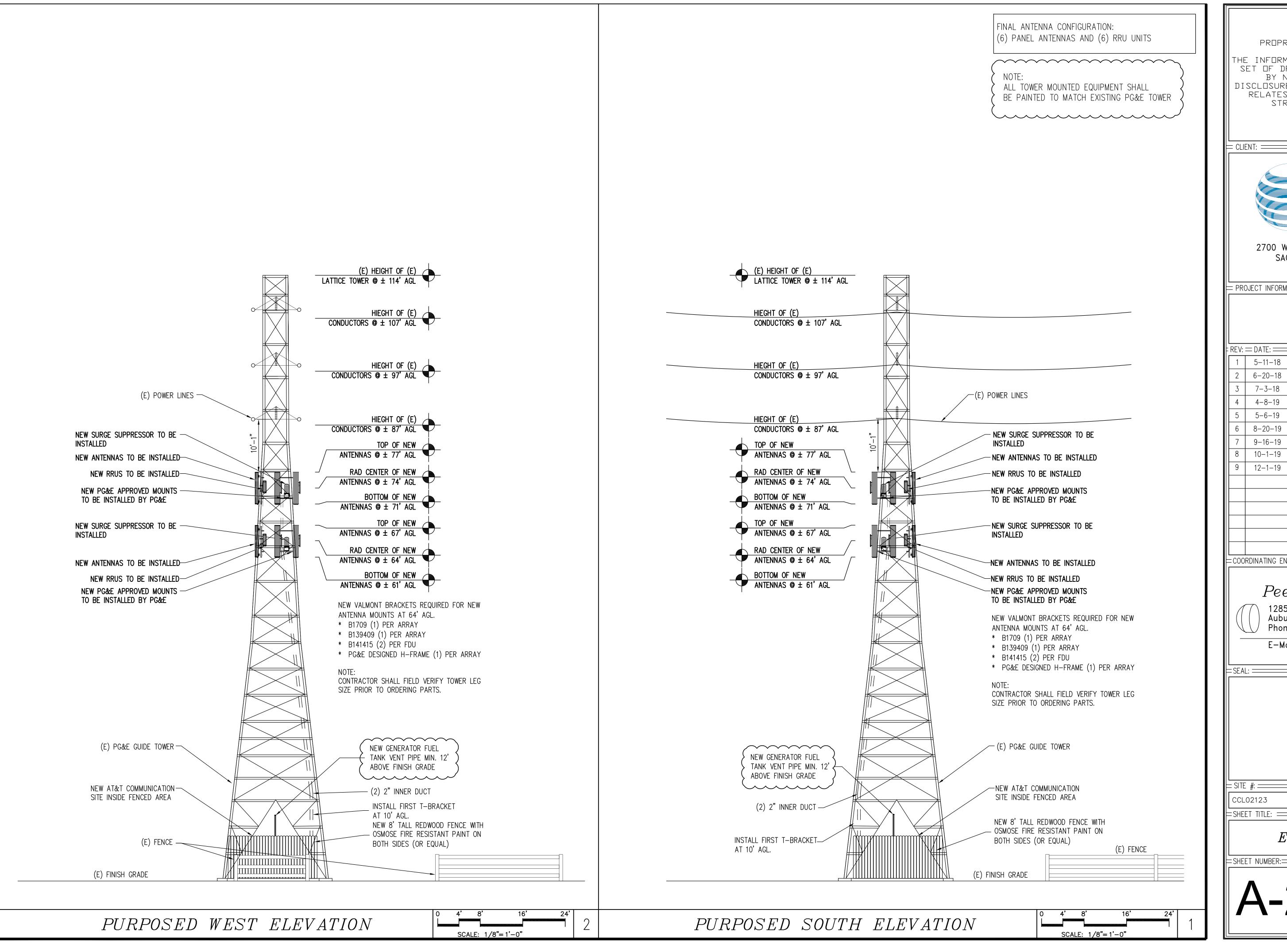
12852 Earhart Ave. Suite 101 Auburn, California 95602 Phone (530) 885-6160

E-Mail info@peeksitecom.com



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**ELEVATIONS** 



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## GILROY 999 MELCHOIR CT.

GILROY, CA 95020

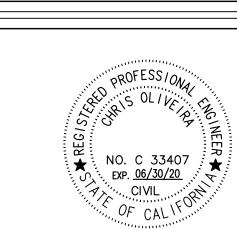
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# Peek Site-Com

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E-Mail info@peeksitecom.com

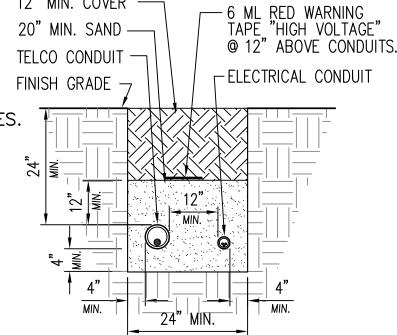


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CCL02123		АМР	
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ELEVATIONS

#### NOTES:

- 1. EXCAVATE TO REQUIRED DEPTH
- 2. VERIFY ALL TRENCHING REQUIREMENTS WITH SERVING UTILITIES.
- 3. CALL BEFORE YOU DIG!! CONTACT SERVING UTILITIES
- 4. RESTORE GRADE TO ORIGINAL CONDITION OR BETTER.
- 5. RETURN ORIGINAL MATERIAL TO TRENCH, (TOP 12") COMPACT TO 95% OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D-1557.



12" MIN. COVER —

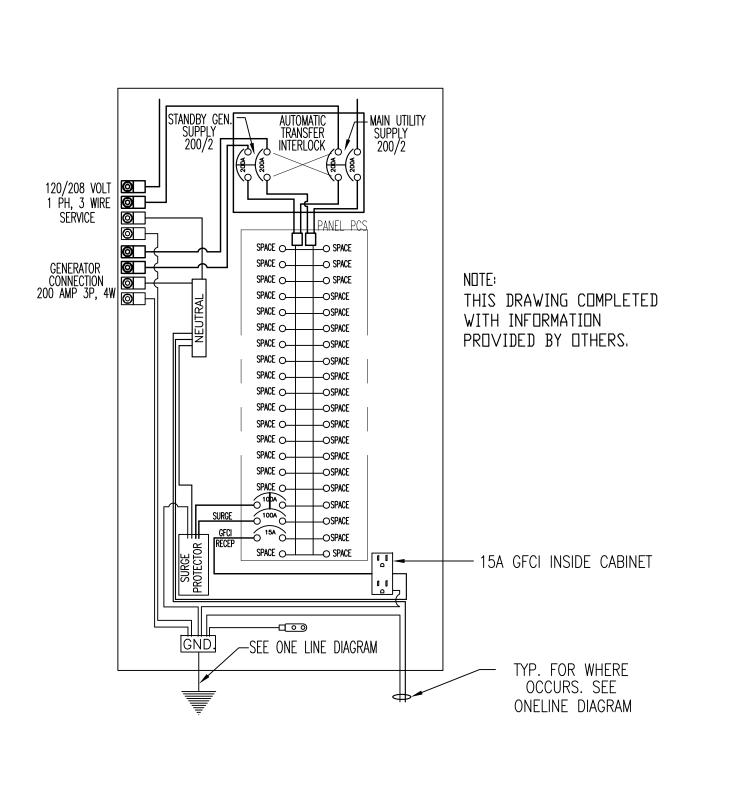
# UNDERGROUND CONDUITS DETAIL

SCALE: N.T.S.

	L DESIGNATION: 120/24 SEPARATE GROUND BUS	O VOLI	5	1 PHASE	3 WIR	E	SURFA	CE MTNG:X MAIN BUS: _X 2P, 200A	
	LOAD DESCRIPTION	ØA	Øв	AMP/ POLE	AMP/ POLE	ØA	Øв	LOAD DESCRIPTION	NO.
1	SERVICE LIGHT		500	20/1	20/1	500		PPC RECEPTACLE	2
3	EMERSON 512 POWER CABINET SHELF 1	1821		30/2	70 /0		1821	EMERSON 512 POWER CABINET SHELF 2	4
5			1821	30/2	30/2	1821			6
7	EMERSON 512 POWER	1821		,	,		1821	EMERSON 512 POWER CABINET SHELF 2	8
9	CABINET SHELF 1		1821	30/2 821	30/2	1821			10
11	EMERSON GFCI OUTLET	500		20/1	20/1		500	EMERSON BBU RECEPTACLE	12
13					15/1	400		EMERSON BBU BAT. HEATER	14
15					15/1		400	EMERSON BBU BAT. HEATER	16
17									18
19									20
21									22
23									24

# PANEL SCHEDULE

SCALE: N.T.S.



# ELECTRICAL LEGEND

<u>NEW</u> <u>EXISTING</u>

> PANEL BOARD, SURFACE MOUNTED DRY TYPE TRANSFORMER

METER

\F

TVSS

CIRCUIT BREAKER NON-FUSIBLE DISCONNECT SWITCH, MOUNTED 54" A.F.F.

FUSIBLE DISCONNECT SWITCH, MOUNTED 54"A.F.F. TRANSIENT VOLTAGE SURGE SUPPRESSOR WITH BUILT-IN FUSES, SURFACE MOUNTED

DUPLEX OUTLET, SURFACE MOUNTED, 20 AMPS, 125 VOLTS, SINGLE PHASE JUNCTION BOX, SURFACE MOUNTED 18" A.F.F.

> KEYED SWITCH. SURFACE MOUNTED WALL MOUNTED, ENCLOSED, AND GASKETED INDUSTRIAL INCANDESCENT FIXTURE WITH ONE 100 AMP LAMP MOUNT 72" A.F.F.

EXPOSED WIRING

HOME RUNS, MINIMUM 2#10 + 1#10G IN 3/4" CONDUIT U.O.N. ABOVE FINISHED FLOOR

A.F.F. U.O.N. UNLESS OTHERWISE NOTED WEATHERPROOF GFI GROUND FAULT INTERRUPTER

# ELECTRICAL NOTES

- 1. ALL ELECTRICAL WORK SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN THE NATIONAL ELECTRICAL CODE (NEC) AS WELL AS APPLICABLE STATE AND LOCAL CODES.
- 2. ALL ELECTRICAL ITEMS SHALL BE U.L. APPROVED OR LISTED AND PROCURED PER SPECIFICATION REQUIREMENTS.
- 3. THE ELECTRICAL WORK INCLUDES ALL LABOR AND MATERIAL DESCRIBED BY DRAWINGS AND SPECIFICATION, INCLUDING INCIDENTAL WORK, TO PROVIDE COMPLETE, OPERATING AND APPROVED ELECTRICAL SYSTEM.
- 4. CONTRACTOR SHALL PAY FEES FOR PERMITS, AND BE RESPONSIBLE FOR OBTAINING SAID PERMITS AND COORDINATION OF INSPECTIONS.
- 5. ELECTRICAL AND TELCO WIRING INSIDE A BUILDING SHALL RUN IN EMT OR SCHEDULE 40 PVC, PER PLAN. (AS PERMITTED BY CODE)
- 6. ELECTRICAL AND TELCO WIRING OUTSIDE A BUILDING AND EXPOSED TO WEATHER SHALL BE IN WATERTIGHT GALVANIZED RIGID STEEL CONDUITS OR SCHEDULE 80 PVC (AS PERMITTED BY CODE) AND, WHERE REQUIRED, IN LIQUID TIGHT FLEXIBLE METAL OR NONMETALLIC CONDUITS.
- 7. BURIED CONDUIT SHALL BE SCHEDULE 40 PVC. U.O.N.
- 8. ELECTRICAL WIRING SHALL BE COPPER WITH TYPE XHHW, THWN, OR THHN INSULATION, (PER PLAN).
- 9. RUN ELECTRICAL CONDUIT BETWEEN ELECTRICAL UTILITY DEMARCATION POINT AND VERIZON WIRELESS CELL SITE ELECTRICAL PANEL/ PEDESTAL AS INDICATED ON THIS DRAWING. PROVIDE FULL LENGTH PULL ROPES. COORDINATE INSTALLATION WITH UTILITY COMPANY.
- 10. RUN TELCO CONDUITS BETWEEN TELEPHONE UTILITY DEMARCATION POINT AND VERIZON WIRELESS CELL SITE TELCO SERVICE CABINET AND EQUIPMENT CABINET(S) AS INDICATED ON THIS DRAWING. PROVIDE FULL LENGTH PULL ROPES AND TRUE TAPE IN INSTALLED CONDUITS.
- 11. WHERE CONDUIT BETWEEN EQUIP. AND WIRELESS CELL SITE ELECTRICAL PEDESTAL AND BETWEEN EQUIP. AND WIRELESS CELL SITE TELCO SERVICE CABINET ARE UNDERGROUND, USE PVC SCHEDULE 40 CONDUIT. ABOVE THE GROUND PORTION OF THESE CONDUITS SHALL BE FLEXIBLE CONDUIT.
- 12. ALL EQUIPMENT SHALL HAVE NEMA 3R ENCLOSURE.
- 13. WHERE APPLICABLE, POWER PEDESTAL IS SUPPLIED BY WIRELESS CARRIER
- 14. CALL U.S.A. 1-800-642-2444 24 HOURS PRIOR TO COMMENCING ELECTRICAL OR TELCO WORK.
- 15. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANY FOR FINAL AND EXACT WORK/MATERIALS REQ. AND CONSTRUCT TO UTILITY COMPANY ENGINEÉRING PLAN AND SPECIFICATIONS ONLY.
- 16. CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUIT, PULLWIRES, CABLE PULLBOXES, CONC ENCASEMENT OF CONDUIT (IF REQ.), TRANSFORMER PAD, BARRIERS, POLE RISERS, TRENCHING, BACKFILL, AND INCLUDE ANY UTILITY COMPANY REQ. IN SCOPE OF WORK

#### PROPRIETARY INFORMATION

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= PROJECT INFORMATION: =

### **GILROY** 999 MELCHOIR CT.

GILROY, CA 95020

RE'	V: == DATE: ====	DESCRIPTION:	<u></u> BY: =
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9	12-1-19	PLAN CHECK COMMENTS	AMP

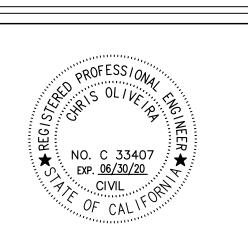
COORDINATING ENGINEER:



Auburn, California 95602

Phone (530) 885-6160 E-Mail info@peeksitecom.com

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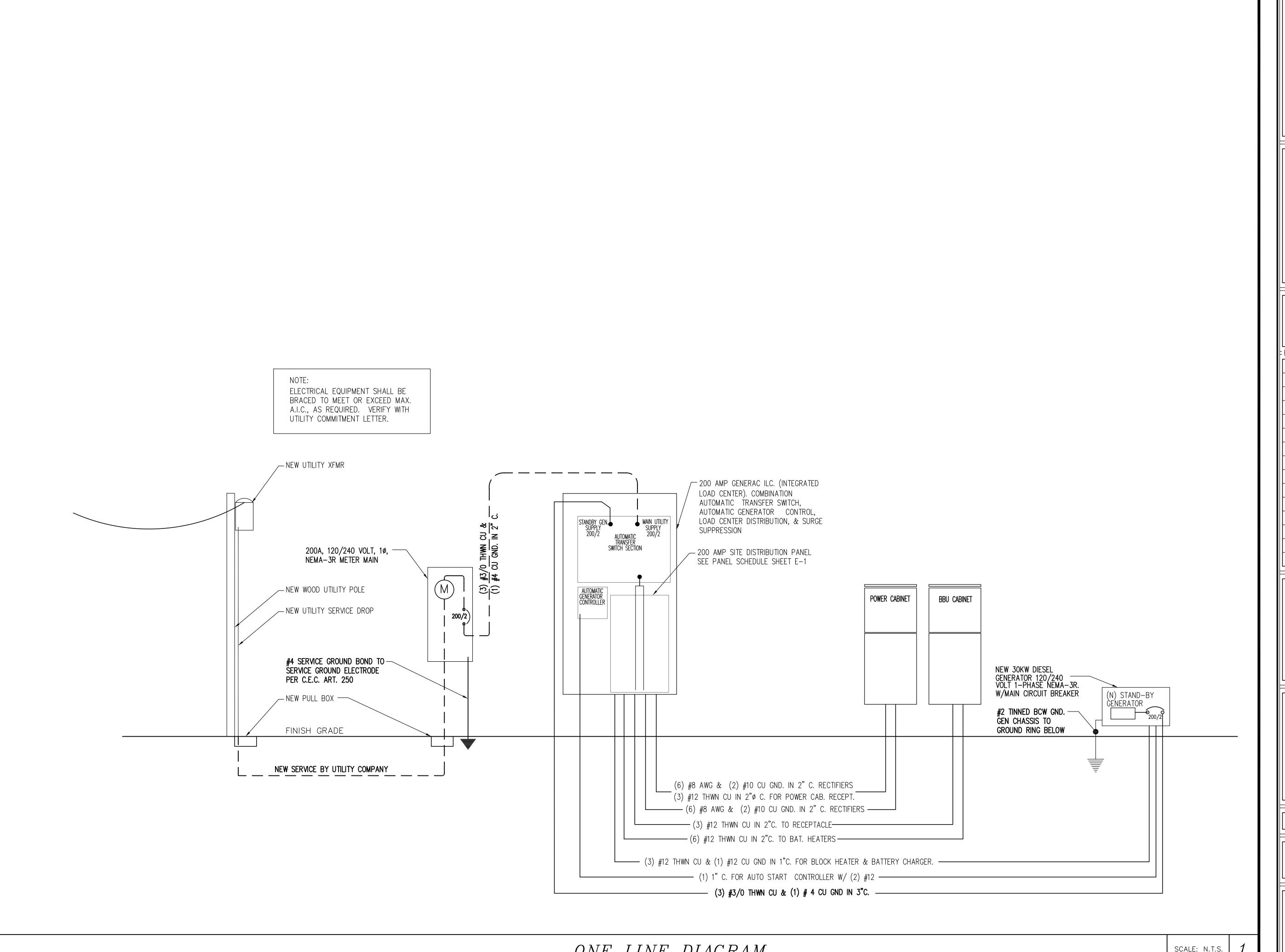
ELECTRICAL SHEET

SHEET NUMBER:=

REVISION:=

PPC PANEL DIAGRAM

SCALE: N.T.S.



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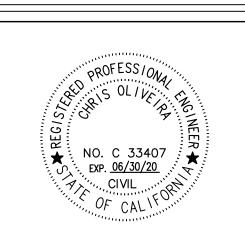
COORDINATING ENGINEER: =

# Peek Site-Com



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E-Mail info@peeksitecom.com



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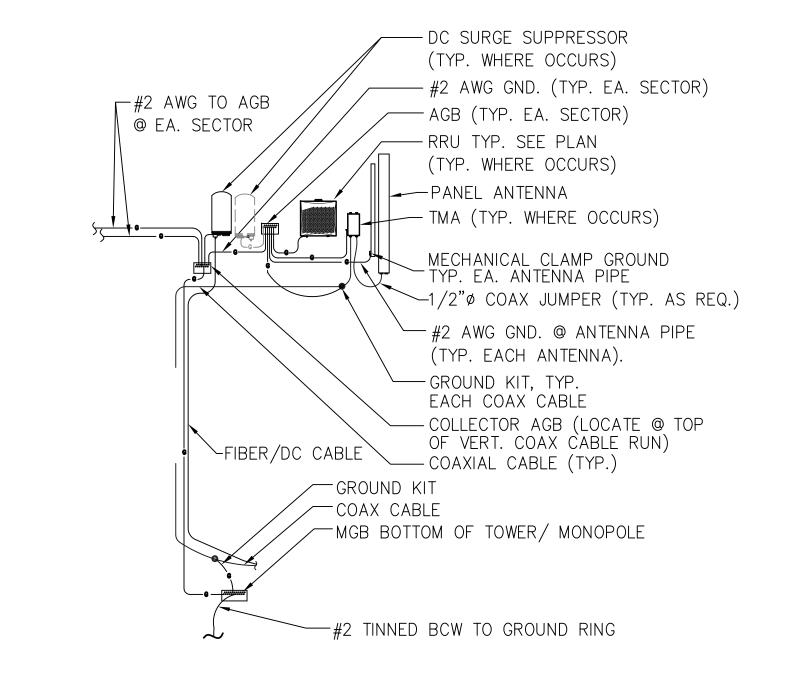
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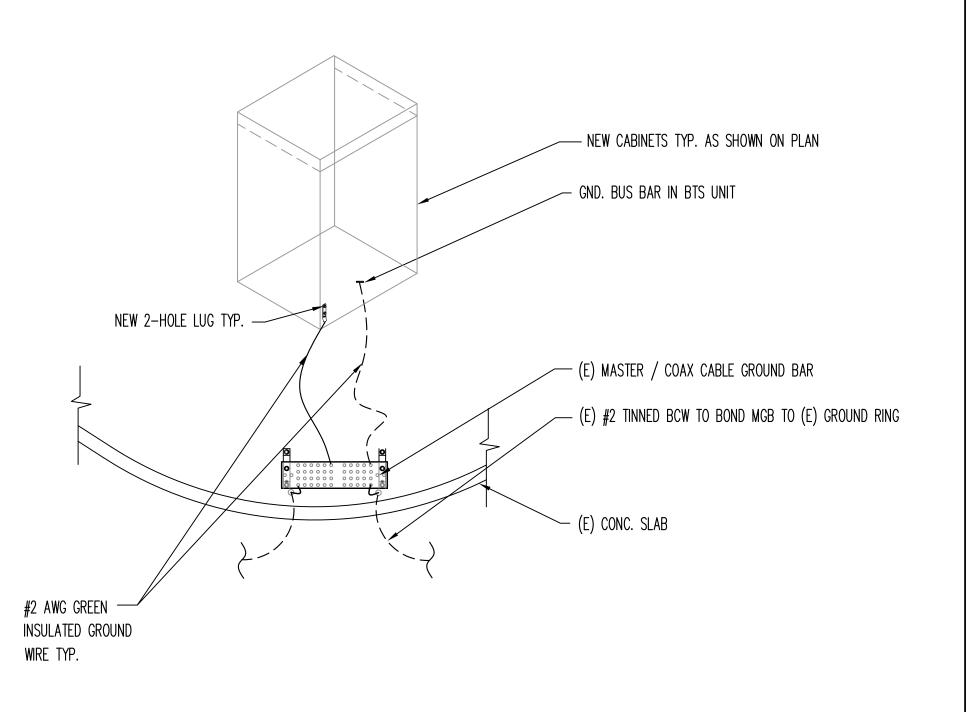
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ONE LINE DIAGRAM

SCALE: N.T.S.



# ANTENNA RISER DIAGRAM



# SCALE: N.T.S.

SCALE: N.T.S.

# GROUNDING NOTES

- 1. GROUNDING SHALL COMPLY WITH (NEC) 2011
- 2. GROUND COAXIAL CABLE SHIELDS MINIMUM AT BOTH ENDS USING MANUFACTURERS COAX CABLE GROUNDING KITS SUPPLIED
- 3. USE #2 COPPER STRANDED WIRE WITH GREEN COLOR INSULATION FOR ABOVE GRADE GROUNDING (UNLESS OTHERWISE SPECIFIED) AND #2 SOLID TINNED BARE COPPER WIRE FOR BELOW GRADE GROUNDING AS INDICATED ON THE DRAWING.
- 4. ALL GROUND CONNECTIONS TO BE BURNDY HYGROUND COMPRESSION TYPE CONNECTORS OR CADWELD EXOTHERMIC WELD. DO NOT ALLOW BARE COPPER WIRE TO BE IN CONTACT WITH GALVANIZED STEEL.
- 5. ROUTE GROUNDING CONDUCTORS ALONG THE SHORTEST AND STRAIGHTEST PATH POSSIBLE, EXCEPT AS OTHERWISE INDICATED. GROUNDING LEADS SHOULD NEVER BE BENT AT RIGHT ANGLE. ALWAYS MAKE AT LEAST 12" RADIUS BENDS. #6 WIRE CAN BE BENT AT 6" RADIUS WHEN NECESSARY.
- 6. BOND ANY METAL OBJECTS WITHIN 7 FEET OF AT&T EQUIPMENT CABINETS TO MASTER GROUND BAR OR DIRECTLY TO U.G GROUND RING W/#2 TINNED BCW DOWNLEAD
- 7. CONNECTIONS TO MGB SHALL BE ARRANGED IN THREE MAIN GROUPS: SURGE PRODUCERS (COAXIAL CABLE GROUND KITS, TELCO AND POWER PEDESTAL GROUND OR SURGE PROTECTOR) SURGE ABSORBERS (GROUNDING ELECTRODE RING OR BUILDING NON-SURGING OBJECTS (EGB GROUND IN BTS).
- 8. CONNECTIONS TO GROUND BARS SHALL BE MADE WITH TWO HOLE COMPRESSION TYPE COPPER LUGS AND NO-OX OR EQUIVALENT PLACED BETWEEN CONNECTOR AND GROUND BAR.
- 9. THE GROUND ELECTRODE SYSTEM SHALL CONSIST OF DRIVEN GROUND RODS UNIFORMLY SPACED AROUND CELL SITE. THE GROUND ROD SHALL BE 5/8" Ø COPPER CLAD STEEL & BE 10'-0" LONG SPACED @ 10'-0" O.C. OR 8'-0" LONG SPACED 8'-0" O.C. ALONG GROUND RING THE RODS SHALL BE INTERCONNECTED WITH #2 SOLID TINNED COPPER GROUND WIRE BURIED A MINIMUM 18" BELOW THE SURFACE OF THE SOIL.



TYP. #2 TINNED BCW (BARE COPPER WIRE) U.G. GROUND RING @ MIN. 18" BELOW FINISH GRADE, OR 6" BELOW LOCAL FROST LINE WHICHEVER IN DEEPER.

TYP. #2 TINNED BCW DOWN LEAD

TYP. CADWELD CONNECTION. TYP. FINAL DOUBLE CRIMPED CONNECTIONS

> TYP. TWO HOLE LONG BARREL COMPRESSION LUG, TWO (2) 5/16" DIA. BOLTS, & STAR LOCK WASHERS.

TO INTERIOR HALO RING ONLY

TYP. CADWELD INSPECTION WELL. TOTAL OF (2)

TYP. 5/8" DIA. COPPER CLAD GROUND ROD, 18" BELOW FINISH GRADE, OR 6" BELOW LOCAL FROST LINE, WHICHEVER IS DEEPER. 10' LONG SPACED @ 10' O.C. OR 8' LONG SPACED 8' O.C.

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= REV: = DATE: =DESCRIPTION: = 5-11-18 | 90% ZONING DOC'S  $\mathsf{AMP}$ 6-20-18 | 90% REVS ZONING DOC'S  $\mathsf{AMP}$ 7-3-18 AMP 100% ZONING DOC'S 4-8-19 | 90% CONSTRUCTION DOC'S  $\mathsf{AMP}$ 5-6-19 | 95% CONSTRUCTION DOC'S 8-20-19 | REV. 95% CONSTRUCTION DOC'S 9-16-19 | REV. 95% CONSTRUCTION DOC'S  $\mathsf{AMP}$ 10-1-19 | 100% CONSTRUCTION DOC'S  $\mathsf{AMP}$ 12-1-19 | PLAN CHECK COMMENTS

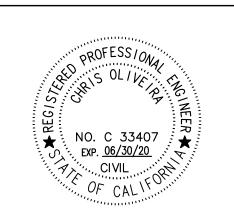
COORDINATING ENGINEER:=

Peek Site-Com

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E-Mail info@peeksitecom.com

=SEAL: :



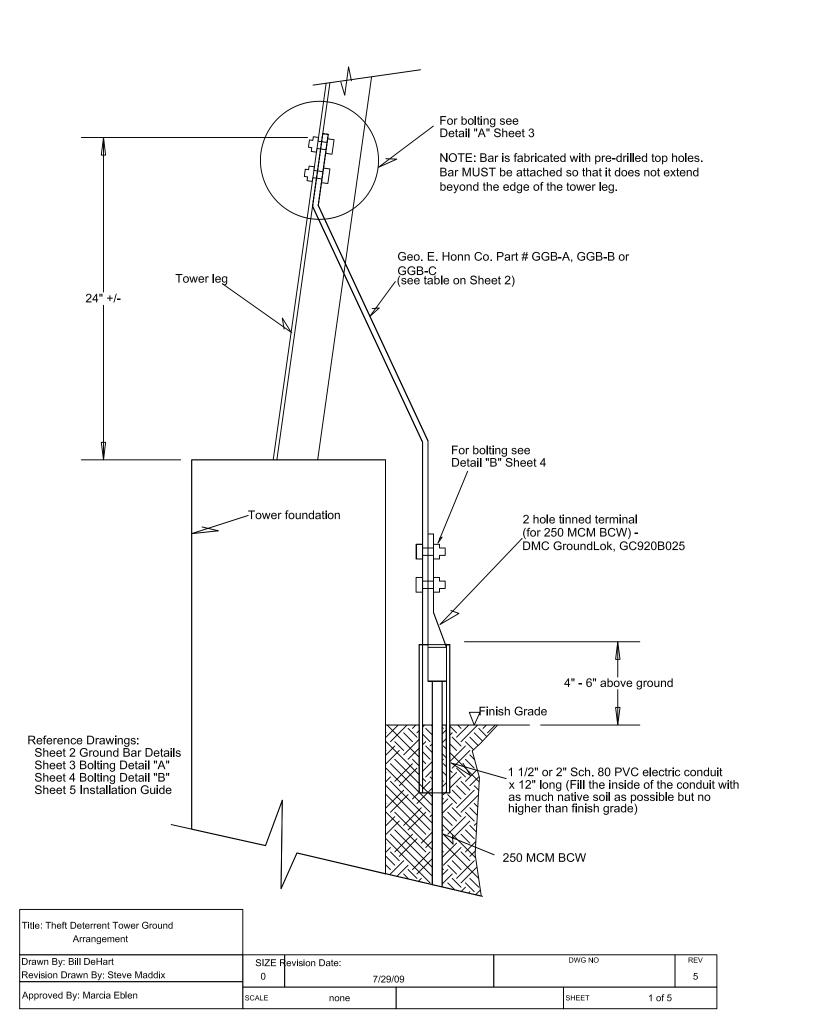
= CHK.: \_\_\_\_\_ DRAWN BY: = = SITE #: === CCL02123 =SHEET TITLE: ===

GROUNDING SHEET

= REVISION:=

=SHEET NUMBER:=

EQUIPMENT GROUNDING DIAGRAM





Report Date: 6/6/19 Revision: 0

#### High Voltage Transmission Tower Cell Site Datasheet

#### **Site Information**

AT&T Company:

Gilroy Site number: ATT-CCL09814 Site name

Site address: 999 Melchoir Ct, Gilroy, CA

PG&E Contact: Steve Maddix Phone: (925) 866-5410

#### Soil Data

Soil Model:

Horizontal 4 layer

14.5 Ohm-meters 1.8 Feet Top Layer 35.0 Ohm-meters 5.8 Feet Middle 1 11.2 Feet Middle 2 39.0 Ohm-meters 12.3 Ohm-meters Infinite thickness Bottom

23,775 Volts (Peak Asymmetrical)

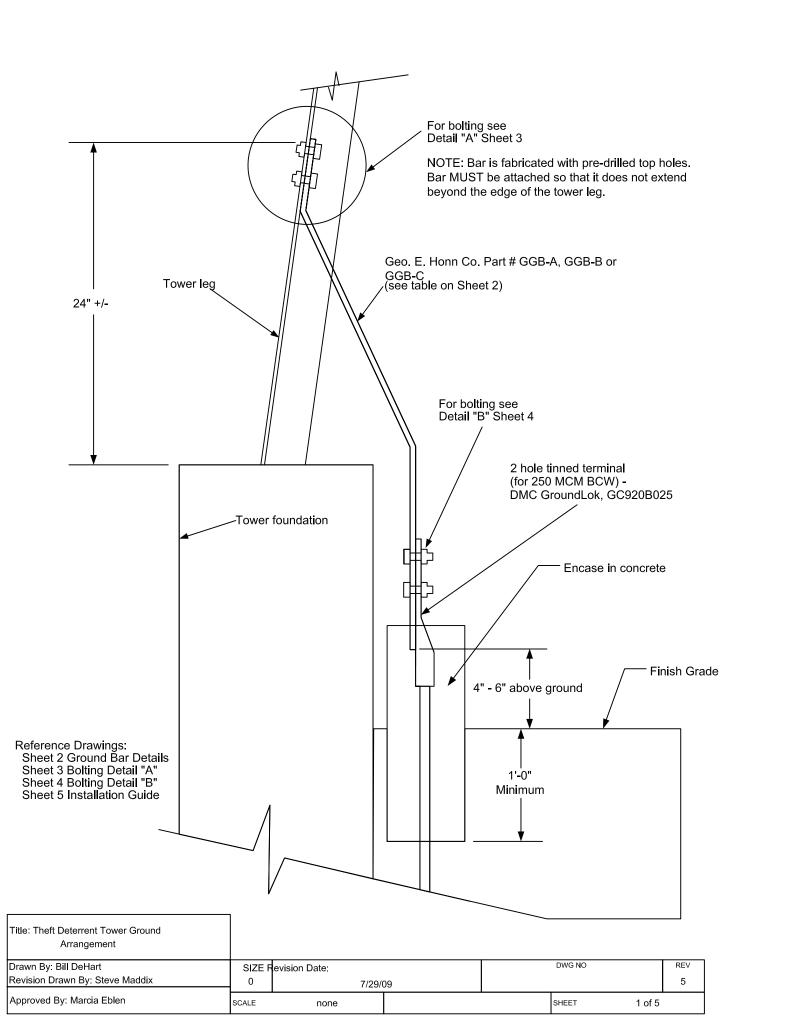
#### **GPR Information**

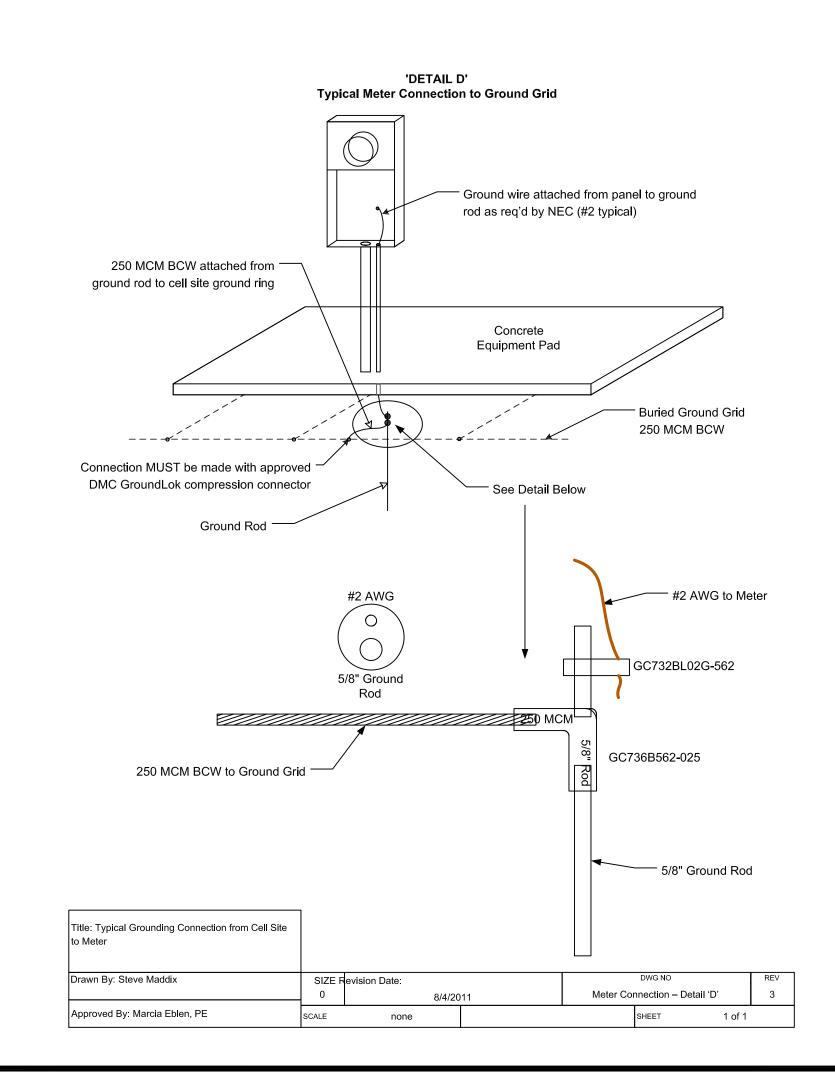
Grid Area 676 Ft2 Grid Resistance 1.1 Ohms 9,085 Amps RMS Ground Fault Duty X/R Ratio 6.5 115 kV RMS Voltage (Line-Line) DC Offset 10,390 Volts RMS GPR RMS GPR Peak Symmetrical 14,693 Volts (Peak Symmetrical)

#### Steve Maddix PG&E Representative

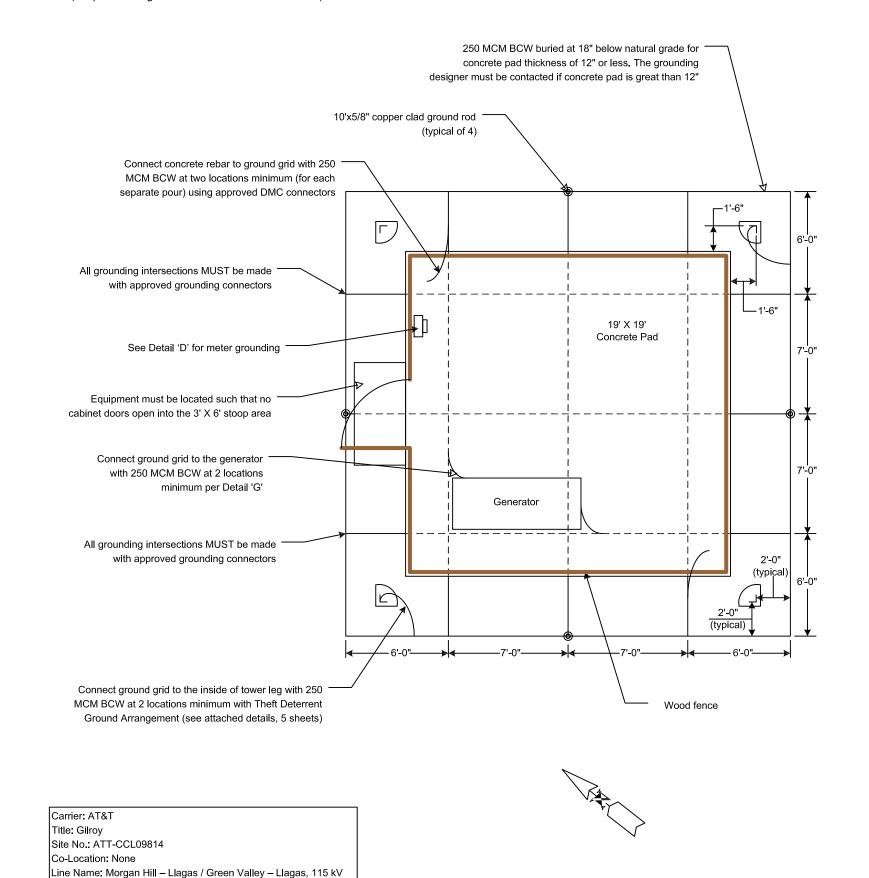
GPR Peak with DC Offset

6/6/2019





#### PG&E Grounding Requirements-Sheet 1 (Required Design Details are Located on Sheet 2)



The following design details MUST BE incorporated into the final engineering and construction drawings for the cell site ground grid. Where conflicts arises between these details and cell vendor generic details, these details SHALL prevail.

ATT-CCL09814

SIZE PG&E Proj Mgr: Wes Deane

Phone: 925-586-5957

From Drawings Dated: 5/6/2019 Issue Date: 6/6/2019

## **REQUIRED DESIGN DETAILS:**

Tower No.: 16/98

Tower SAP No.: 40861656 Designed By: Steve Maddix

Phone: 925-866-5410

1. All grounding connections and grid intersections SHALL be made using approved 'DMC' GroundLok System' compression components. Carrier to supply 250MCM BCW pigtail with DMC 2-hole NEMA connector. Final connection to the tower legs SHALL be made per the Theft Deterrent Tower Ground

\_2. Ground grid safety calculations are based on the ground grid conductors being at 18" below natural grade with a concrete equipment pad of no more than 12" thick. Any pad thickness greater than 12" MUST be verified as acceptable by the grounding designer.

3. Fence MUST be located on top of the outer edge of the concrete pad (i.e. no separate footings for the fence posts will be allowed). No metallic equipment SHALL be installed outside fence. At fence door swings, metallic equipment must be 3'-0" minimum from edge of concrete pad.

\_\_4. All concrete SHALL contain #4 rebar with a 1'-0" maximum grid spacing. All rebar intersections MUST be securely tied together. If concrete is poured in separate sections, each section must be connected to ground grid with 2-250 MCM BCW or equivalent.

\_\_\_5. Coax ground MUST be connected to the ground grid with 2-250 MCM BCW or equivalent. If more than one ground bus is used, all ground buses must be either connected together or connected to ground grid separately with #2 BCW or larger.

\_\_\_\_\_6. All fences MUST be of non-conductive material.

come into contact with tower until the final connection is ready to be made.

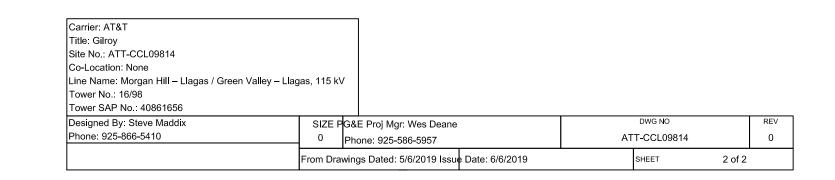
\_\_7. Electric meter MUST be located within the boundary of the wood fence on the concrete pad. Any exception to this MUST be cleared through Steve Maddix (925) 866-5410 prior to construction. Special service requirements may be required to isolate ground grid from other customer neutral wires.

\_\_8. Meter ground rod MUST be attached to the cell site ground grid with a 250 MCM BCW or equivalent.

\_9. Ground grid backfill material (at least 6") covering the 250 MCM BCW MUST be clean loamy material (or conductive material) and be free of rocks and foreign material. \_10. If drilling is required to achieve ground rod depth, a minimum 2" hole is required. The hole MUST

be backfilled with bentonite (or equivalent) material. \_11. For safety reasons, the ground grid MUST be completely installed (fully covered), the concrete pad MUST be completed before the ground grid is attached to the tower legs. Do not allow ground pigtails to

\_12. Concrete pad size or any dimension stated on sheet 1 can not be changed without prior authorization from the grounding designer.



#### PROPRIETARY INFORMATION

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

CLIENT: 3



2700 WATT AVE, SUITE 2200-26 SACRAMENTO, CA 95821

PROJECT INFORMATION:

## **GILROY** 999 MELCHOIR CT

GILROY, CA 95020

F F	REV:	— DATE: ——	DESCRIPTION:	BY:
	1	5–11–18	90% ZONING DOC'S	AMP
	2	6-20-18	90% REVS ZONING DOC'S	AMP
	3	7-3-18	100% ZONING DOC'S	AMP
	4	4-8-19	90% CONSTRUCTION DOC'S	AMP
	5	5-6-19	95% CONSTRUCTION DOC'S	AMP
	6	8-20-19	REV. 95% CONSTRUCTION DOC'S	AMP
	7	9-16-19	REV. 95% CONSTRUCTION DOC'S	AMP
	8	10-1-19	100% CONSTRUCTION DOC'S	AMP
	9	12-1-19	PLAN CHECK COMMENTS	AMP
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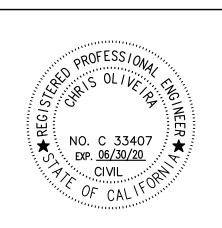
COORDINATING ENGINEER:

# Peek Site-Com

12852 Earhart Ave. Suite 101 Auburn, California 95602 Phone (530) 885-6160

E-Mail info@peeksitecom.com

SEAL:

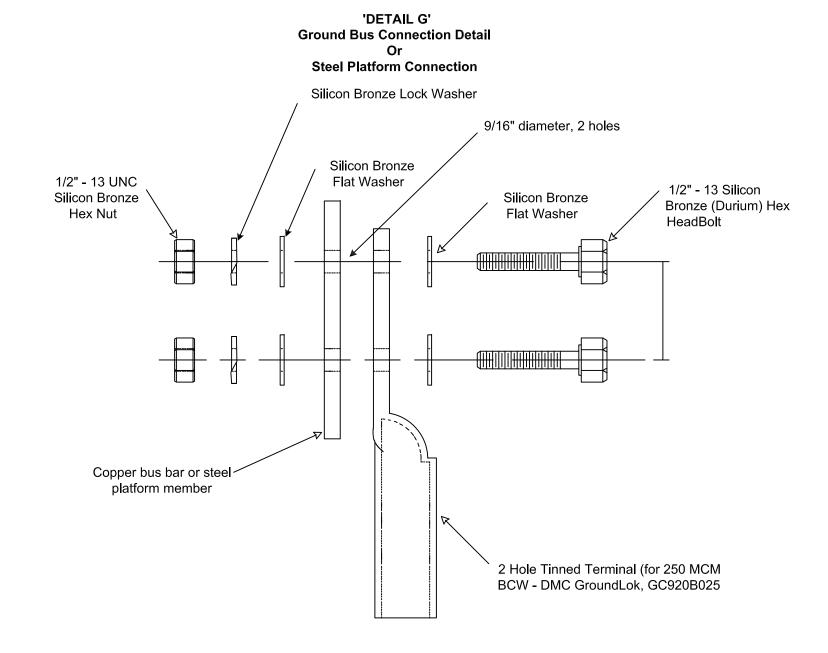


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# PG&E GROUNDING

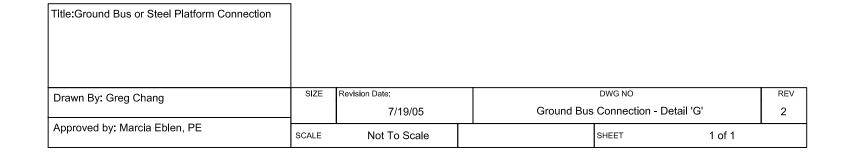
:SHEET NUMBER:= = REVISION:=



#### Notes

1. Clean area on bus bar where connector is to be bolted with a wire brush. Use Penetrox "A" or equivalent, as a coating between connector and bus bar.

2. Bolts to be torqued to 480 in/lbs.



#### Connection Detail "B"

Galvanized Steel

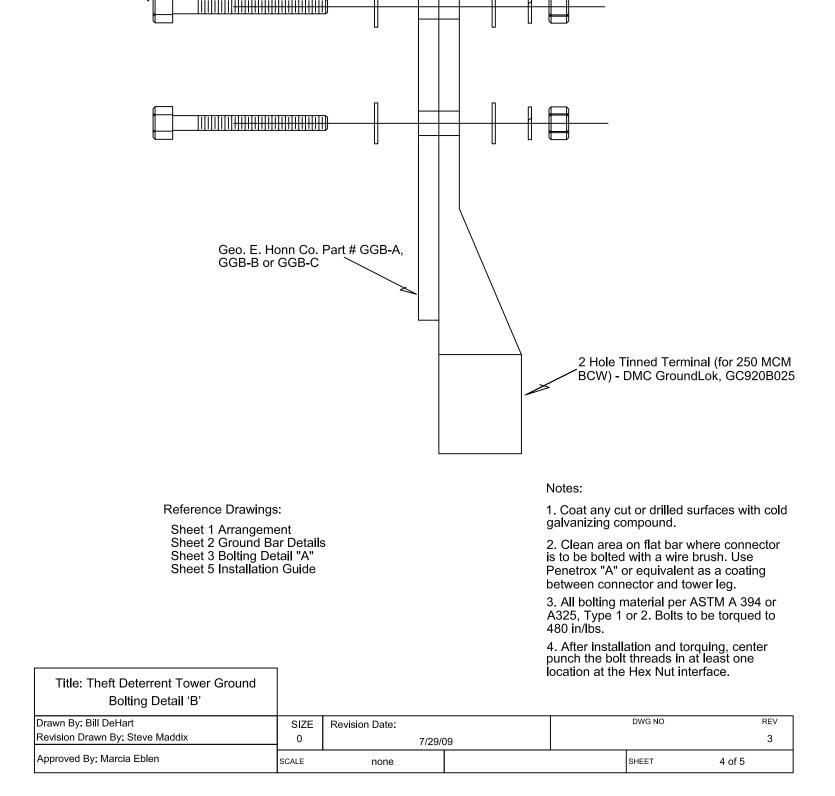
Flat Washer

ASTM A394 or A325, Type 1 or 2, 1/2" - 13 UNC Galvanized Steel Galvanized Steel Flat Washer

Galvanized Steel Lock Washer

1/2" - 13 UNC

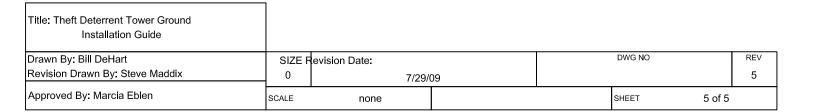
Galvanized Steel Hex Nut

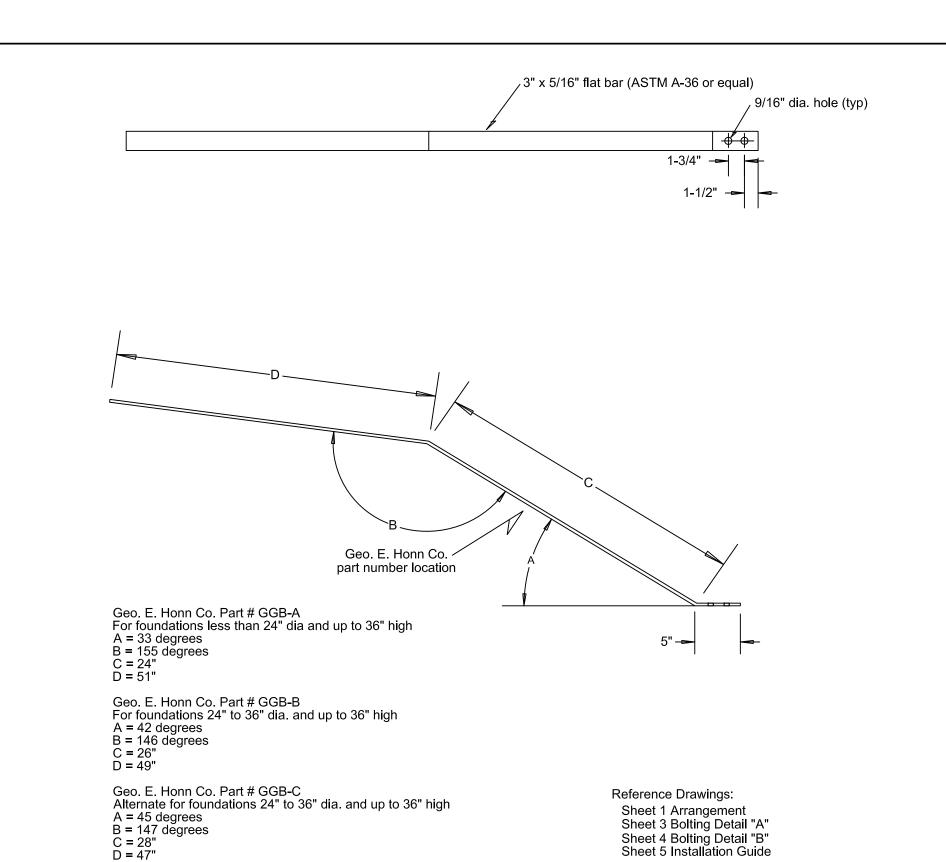


#### Installation Guide

- 1. Select connection bar that best fits site conditions (Geo. E. Honn Co. Part # GGB-A,GGB-B or GGB-C). Use table on Sheet 2 as
- 2. Install with pre-drilled holes at top. Fit bar to tower leg per arrangement on Sheet 1. If bar needs to be cut to fit, cut from bottom.
- 3. Slip 1 1/2" or 2" Sch. 80 PVC sleeve over 250 MCM BCW (2" sleeve may be put on before Step 7).
- 4. Attach DMC GroundLok to 250 MCM BCW per manufacturer's instructions.
- 5. Drill or punch bar to accommodate DMC GroundLok fitting per Sheet 1. Coat any cut/punched/drilled surfaces with cold galvanizing compound per manufacturer's instructions.
- 6. Using a wire brush, clean the GroundLok/bar contact surfaces. Coat the contact surfaces with Penetrox "A" or equivalent.
- 7. Connect the DMC GroundLok to the bar with bolts, lock washers, flat washers and nuts per Sheet 4. Torque bolts to 480 in/lbs.
- 8. Center punch the bolt threads in at least one location at the hex nut interface.
- 9. Temporarily clamp bar to tower leg at the location determined in step 2.
- 10. Backfill to finish grade keeping the top of the PVC sleeve against the bottom of the flat bar and 4" to 6" above grade.
- 11. Remove the clamp holding the bar to the tower leg and insert a length of 4" PVC conduit over the bar conduit to the tower leg to temporarily insulate the bar from the tower leg until the ground grid system is completed. Secure the conduit to the tower leg.
- DO NOT PROCEED TO STEP 12 UNTIL GROUND GRID SYSTEM IS COMPLETED
- 12. Punch or drill tower leg to accommodate the bar to tower connection. Tower steel to be drilled or punched by PG&E Tower/Contract crew or under direct supervision of PG&E personnel.
- 13. Coat any punched or drilled surfaces with cold galvanizing compound per manufacturer's instructions.
- 14. Using a wire brush, clean the bar/tower leg contact surfaces. Coat the contact surfaces with Penetrox "A" or equivalent.
- 15. Connect the bar to the tower leg with bolts, lock washers, flat washers and nuts per Sheet 3. Torque bolts to 480 in/lbs.
- 16. Center punch the bolt threads in at least one location at the hex nut interface

Reference Drawings:
Sheet 1 Arrangement
Sheet 2 Ground Bar Details
Sheet 3 Bolting Detail "A"
Sheet 4 Bolting Detail "B"





Title: Theft Deterrent Tower Ground
Bar Details

Drawn By: Bill DeHart
Revision Drawn By: Steve Maddix

SIZE Revision Date:
0 7/29/09

DWG NO
REV
2

#### Connection Detail "A"

Note: Hot dip galvanize after fabrication

Approved By: Marcia Eblen

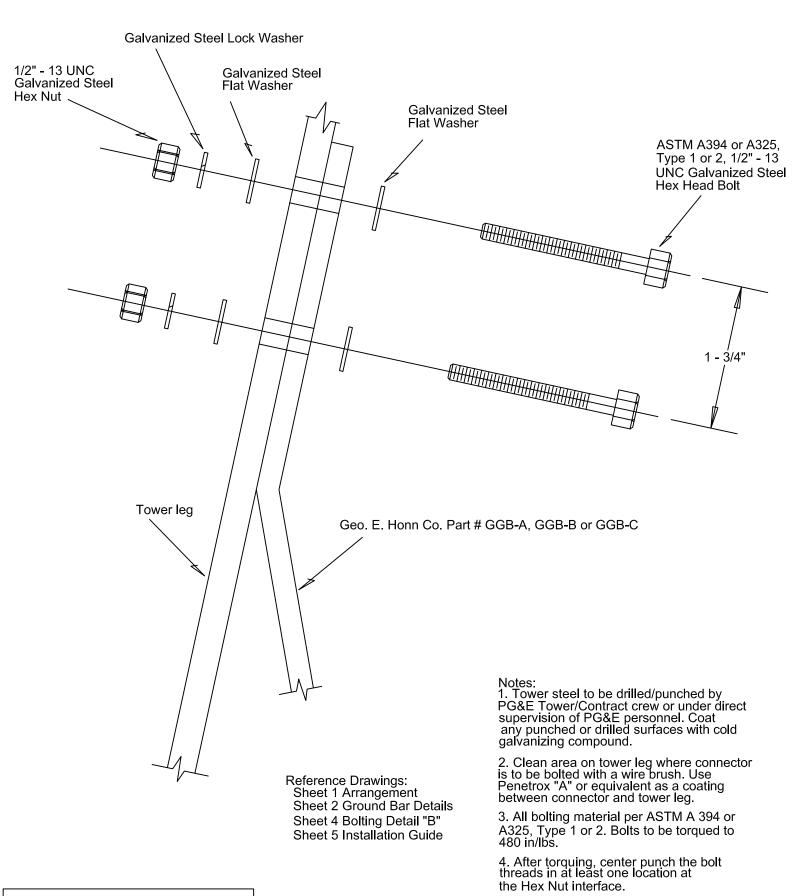
Title: Theft Deterrent Tower Ground

Bolting Detail 'A'

Drawn By: Bill DeHart

Revision Drawn By: Steve Maddix

pproved By: Marcia Eblen



SIZE Revision Date:

none

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DISCLOSURE OTHER THAN THAT WHICH
RELATES TO PEEK SITE-COM IS
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PROPRIETARY INFORMATION

THE INFORMATION CONTAINED IN THIS

SET OF DRAWINGS IS PROPRIETARY

= CLIENT: =



2700 WATT AVE, SUITE 2200-26 SACRAMENTO, CA 95821

PROJECT INFORMATION:

GILROY
999 MELCHOIR CT.
GILROY, CA 95020

REV: = DATE: =DESCRIPTION: : 5-11-18 90% ZONING DOC'S AMP6-20-18 90% REVS ZONING DOC'S AMP AMP 7-3-18 100% ZONING DOC'S 4-8-19 90% CONSTRUCTION DOC'S  $\mathsf{AMP}$ 5-6-19 95% CONSTRUCTION DOC'S 8-20-19 REV. 95% CONSTRUCTION DOC'S 9-16-19 REV. 95% CONSTRUCTION DOC'S 10-1-19 100% CONSTRUCTION DOC'S AMP 12-1-19 | PLAN CHECK COMMENTS

COORDINATING ENGINEER:

2 of 5

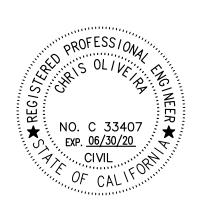
3 of 5

Peek Site-Com

12852 Earhart Ave. Suite 101 Auburn, California 95602 Phone (530) 885—6160

E-Mail info@peeksitecom.com

AL: \_\_\_\_\_



SITE #: \_\_\_\_\_ CHK.: \_\_\_\_ DRAWN BY: \_\_\_\_

CCL02123 ... AMP

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PG&E GROUNDING

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