

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

Volts

12

AH

155

1000

kWh

1.86

No. of Batteries

20

Total kWh

37.2

Conclusion:

37.2

<

70 kWh

Section 608.1 does not apply



at&t

SITE NUMBER: CCL02123  
SITE NAME: GILROY

999 MELCHOIR CT.  
GILROY, CA 95020

PROJECT INFORMATION		PROJECT TEAM		SHEET INDEX																												
<p>APPLICANT: AT&amp;T MOBILITY 2700 WATT AVE, SUITE 2200-26 SACRAMENTO, CA 95821</p> <p>CONSTRUCTION MANAGER: ANDREW MEDINA EPIC WIRELESS 605 COOLIDGE DRIVE, SUITE 100 FOLSOM, CA 95630 (530) 574-4773</p> <p>SITE SURVEY GEIL ENGINEERING 1226 HIGH STREET AUBURN, CA 95603 (530) 885-0426</p> <p>RF ENGINEER: STEPHEN NELSON</p> <p>PG&amp;E TOWER INFO: TOWER SAP #: 40861656 TOWER #: 16/98 LINE NAME: MORGAN HILL-LIAGAS 115KV LINE 245 MARKET ST. MAIL CODE N10D SAN FRANCISCO, CA 94105 PROJECT MANAGER: WES DEANE (925) 586-5957 WKD1@PGE.COM</p> <p>ENGINEERING FIRM: PEEK SITE-COM 12852 EARHART AVE SUITE 101 AUBURN, CA 95602 (530) 885-6160</p> <p>SITE ACQUISITION &amp; PLANNING: ASHLEY SMITH EPIC WIRELESS 605 COOLIDGE DRIVE, SUITE 100 FOLSOM, CA 95630 (916) 936-5430</p> <p>CIVIL VENDOR: BECHTEL 3138 CROW CANYON PL. SUITE 205 SAN RAMON, CA 94583 CONTACT: GRACIANO DONGALA (480) 286-8658 GDONGALA@BECHTEL.COM</p>		<p>SITE NAME: SITE NUMBER: SITE ADDRESS: FA CODE: ASSESSORS PARCEL NUMBER: LATITUDE: LONGITUDE: GROUND ELEVATION: ZONING: COUNTY: PROPERTY OWNER: OWNER ADDRESS: POWER AGENCY: TELEPHONE AGENCY:</p> <p>GILROY CCL02123 999 MELCHOIR CT. GILROY, CA 95020 14356025 783-17-045 37.040994° -121.604869° 236.9' AMSL RE-1, MX, AIR&amp;P SANTA CLARA COUNTY SPANO FAMILY TRUST 2002 999 MELCHOIR CT. GILROY, CA 95020 PG&amp;E 525 MARKET ST. SPEAR TOWER SAN FRANCISCO, CA 94105 PHONE: 1 (800) 310-2355 AT&amp;T</p>		<p>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&amp;E GROUNDING INFORMATION E-2.2 PG&amp;E GROUNDING INFORMATION</p>																												
CODE COMPLIANCE	VICINITY MAP	DIRECTIONS FROM AT&T		PROJECT DESCRIPTION																												
<p>ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.</p> <ol style="list-style-type: none"><li>2019 CALIFORNIA BUILDING CODE</li><li>2019 CALIFORNIA FIRE CODE</li><li>2019 CALIFORNIA ELECTRICAL CODE</li><li>2019 CALIFORNIA PLUMBING CODE</li><li>2019 CALIFORNIA MECHANICAL CODE</li><li>2019 CALIFORNIA HEALTH AND SAFETY CODE</li><li>COUNTY ORDINANCE NO. NS-1100-125</li><li>NFPA 30, 2012 EDITION</li></ol>		<p>DIRECTIONS FROM AT&amp;T'S OFFICE AT 2600 CAMINO RAMON, SAN RAMON, CA</p> <ol style="list-style-type: none"><li>DEPART CAMINO RAMON TOWARD BISHOP DR.</li><li>TURN ONTO BOLINGER CANYON RD</li><li>TAKE RAMP RIGHT FOR I-680 SOUTH TOWARDS SAN JOSE</li><li>TAKE RAMP RIGHT FOR US-101 TOWARDS LOS ANGELES</li><li>TAKE RAMP RIGHT AND FOLLOW SIGNS FOR MASTEN AVE</li><li>BEAR RIGHT ONTO MASTEN AVE</li><li>ROAD NAME CHANGES TO FITZGERALD AVE</li><li>TURN LEFT ONTO SANTA TERESA BLVD</li><li>TURN RIGHT ONTO DAY RD</li><li>TURN RIGHT ONTO MELCHOIR CT</li><li>ARRIVE AT MELCHOIR CT</li></ol>		<p>AT&amp;T PROPOSES TO CONSTRUCT A NEW UNMANNED TELECOMMUNICATIONS FACILITY. AT&amp;T WILL INSTALL:</p> <ul style="list-style-type: none"><li>(1) NEW 12' WIDE A/C GRAVEL ACCESS ROAD</li><li>(1) NEW 19'X19' FENCED LICENSE AREA</li><li>(1) NEW 8' REDWOOD FENCE</li><li>(1) NEW 4' WIDE DOUBLE ACCESS GATE</li><li>(1) NEW GPS ANTENNA</li><li>(1) NEW 30KW DIESEL GENERATOR WITH 190 GALLON FUEL TANK</li><li>(12) NEW ANTENNAS</li><li>(3) NEW RRUS-11</li><li>(3) NEW RRUS-4415 B25</li><li>(3) NEW RRUS-4426 B66</li><li>(3) NEW RRUS-4478 B14</li><li>(3) NEW RRUS-4478 B5</li><li>(3) FUTURE RRUS-4415 B30</li><li>(3) NEW SURGE SUPPRESSORS</li><li>NEW UNDERGROUND POWER &amp; FIBER RUNS</li><li>(1) NEW EMERSON 512 POWER PLANT</li><li>(1) NEW EMERSON BATTERY CABINET</li><li>(2) NEW PURCELL CABINETS</li></ul>																												
OCCUPANCY & CONST. TYPE	SPECIAL INSPECTIONS	APPROVALS																														
<p>OCCUPANCY: U (UNMANNED)</p> <p>CONSTRUCTION TYPE: V-B</p> <p>ACCESSIBILITY REQUIREMENTS: THIS FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION, HANDICAPPED ACCESS REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH THE 2016 CALIFORNIA BUILDING CODE, CHAPTER 11B, EXCEPTION SECTION 11B-203.5</p>	<p>*SEE SPECIAL INSPECTION FORM</p> <ol style="list-style-type: none"><li>POST-INSTALLED ANCHORS</li><li>HIGH STRENGTH BOLTING</li></ol>	<table><tr><th>APPROVED BY:</th><th>INITIALS:</th><th>DATE:</th></tr><tr><td>AT&amp;T:</td><td></td><td></td></tr><tr><td>VENDOR:</td><td></td><td></td></tr><tr><td>R.F.:</td><td></td><td></td></tr><tr><td>LEASING/LANDLORD:</td><td></td><td></td></tr><tr><td>ZONING:</td><td></td><td></td></tr><tr><td>CONSTRUCTION:</td><td></td><td></td></tr><tr><td>POWER/TELCO:</td><td></td><td></td></tr><tr><td>PG&amp;E:</td><td></td><td></td></tr></table>				APPROVED BY:	INITIALS:	DATE:	AT&T:			VENDOR:			R.F.:			LEASING/LANDLORD:			ZONING:			CONSTRUCTION:			POWER/TELCO:			PG&E:		
APPROVED BY:	INITIALS:	DATE:																														
AT&T:																																
VENDOR:																																
R.F.:																																
LEASING/LANDLORD:																																
ZONING:																																
CONSTRUCTION:																																
POWER/TELCO:																																
PG&E:																																
		<p>DO NOT SCALE DRAWINGS</p> <p>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 RESPONSIBLE FOR THE SAME.</p>																														

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: == 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
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

SEAL:

SITE #: == CHK.: == DRAWN BY: ==

CCL02123	...	AMP
----------	-----	-----

SHEET TITLE: ==

TITLE SHEET

SHEET NUMBER: == REVISION: ==

T-1

0

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

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.

Agency Name	Phone	E-mail
Planning	Christopher Hoem (408) 299-5784	<a href="mailto:christopher.hoem@ph.sccgov.org">christopher.hoem@ph.sccgov.org</a>
Roads & Airports	Rocelia Kmak (408) 573-2464	<a href="mailto:rocelia.kmak@da.sccgov.org">rocelia.kmak@da.sccgov.org</a>
Environmental Health	Darrin Lee (408) 299-5748	<a href="mailto:darrin.lee@pln.sccgov.org">darrin.lee@pln.sccgov.org</a>
Fire Marshal	Alex Goff (408) 299-5763	<a href="mailto:alex.goff@sccfd.org">alex.goff@sccfd.org</a>

## Planning

- 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

## Planning

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:

999 MELCHOIR CT  
GILROY, CA 95020

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

*Peek Site-Comm*

REGISTERED PROFESSIONAL ENGINEER  
CHRIS OLIVEIRA  
NO. C 33407  
EXP. 06/30/20  
CIVIL  
STATE OF CALIFORNIA

CCL02123	...	AMP
----------	-----	-----

## CONDITIONS OF APPROVAL

COA-1	0
-------	---

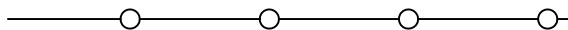
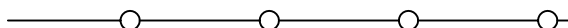



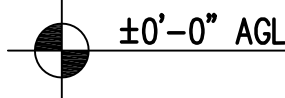

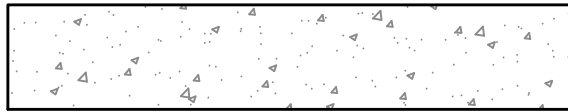
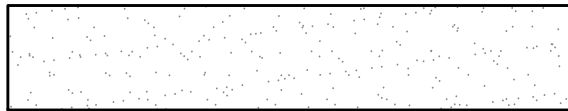
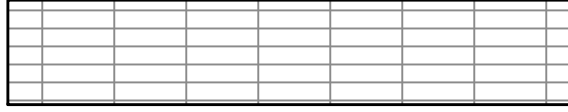
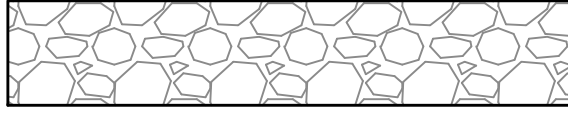
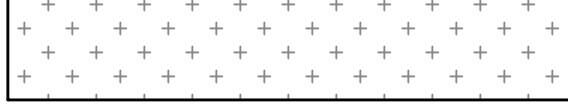


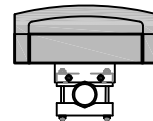
## GENERAL CONSTRUCTION NOTES:

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 PROPERTY.
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

ABV.	ABOVE	L.F.	LINEAR FEET (FOOT)
ADD'L	ADDITIONAL	MAX.	MAXIMUM
A.G.L.	ABOVE GROUND LEVEL	M.B.	MACHINE BOLT
ALUM.	ALUMINUM	MECH.	MECHANICAL
APPROX.	APPROXIMATELY	MFR.	MANUFACTURER
AWG.	AMERICAN WIRE GAUGE	MIN.	MINIMUM
BLDG.	BUILDING	MISC.	MISCELLANEOUS
BLK.	BLOCKING	MTL	METAL
CAB.	CABINET	(N)	NEW
CONC.	CONCRETE	NO. (#)	NUMBER
CONN.	CONNECTION(OR)	N.T.S.	NOT TO SCALE
CONST.	CONSTRUCTION	O.C.	ON CENTER
CONT.	CONTINUOUS	P/C	PRECAST CONCRETE
DBL.	DOUBLE	PPC	POWER PROTECTION CABINET
DEPT.	DEPARTMENT	P.S.F.	POUNDS PER SQUARE FOOT
D.F.	DOUGLAS FIR	P.S.I.	POUNDS PER SQUARE INCH
DIA.	DIAMETER	P.T.	PRESSURE TREATED
DIM.	DIMENSION	QTY.	QUANTITY
EA.	EACH	RAD. (R)	RADIUS
EL.	ELEVATION	REF.	REFERENCE
ELEC.	ELECTRICAL	REINF.	REINFORCEMENT(ING)
EMT.	ELECTRICAL METALLIC TUBING	REQ."D	REQUIRED
ENG.	ENGINEER	RGS	RIGID GALVANIZED STEEL
EQ.	EQUAL	SCH.	SCHEDULE
(E)	EXISTING	SHT.	SHEET
EXT.	EXTERIOR	SPEC.	SPECIFICATIONS
FAB.	FABRICATION	SQ.	SQUARE
F.A.	FINISHED FLOOR	S.S.	STAINLESS STEEL
F.B.	FINISHED GRADE	STD.	STANDARD
FT. (')	FOOT (FEET)	STL.	STEEL
FTG.	FOOTING	STRUC.	STRUCTURAL
GA.	GAUGE	TEMP.	TEMPORARY
GALV.	GALVANIZE(D)	T.O.A.	TOP OF ANTENNAS
G.F.I.	GROUND FAULT CIRCUIT INTERRUPTER	T.O.F.	TOP OF FOUNDATION
GPS	GLOBAL POSITIONING SYSTEM	T.O.P.	TOP OF PLATE (PARAPET)
GRND.	GROUND(ING)	T.O.W.	TOP OF WALL
HT.	HEIGHT	TYP.	TYPICAL
ICGB.	ISOLATED COPPER GROUND BUS	U/G	UNDER GROUND
IN. (")	INCH(ES)	V.I.F.	VERIFY IN FIELD
INT.	INTERIOR	W	WIDE (WIDTH)
L.B.	LAG BOLTS	W/	WITH
		WT.	WEIGHT

*SYMBOLS LEGEND*

	WOOD FENCE
	CHAIN LINK FENCE
	HIDDEN LINE
	COAX/POWER/FIBER CONDUIT
	PROPERTY LINE
	ELEVATION DATUM
	EARTH
	CONCRETE
	SAND
	GRATE PLATFORM
	GRAVEL
	FRP (FIBERGLASS REINFORCED PLASTIC)
	NEW DC SURGE SUPPRESSOR
	NEW ANTENNA
	NEW RRU

PROPRIETARY INFORMATION

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

CLIENT: \_\_\_\_\_

 **at&t**

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

PROJECT INFORMATION: \_\_\_\_\_

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

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

\_\_\_\_\_

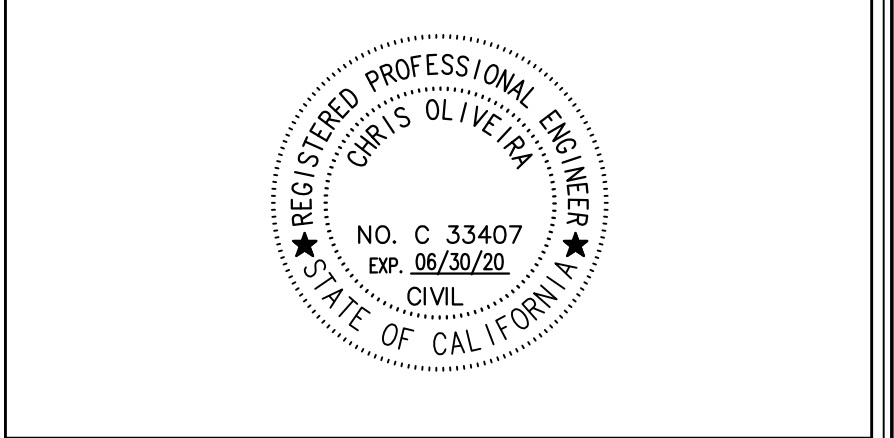
*Peek Site-Com*

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

E-Mail [info@peeksitcom.com](mailto:info@peeksitcom.com)

--

\_\_\_\_\_



00100107		AMD
----------	--	-----

QUEST. TITLE		

\_\_\_\_\_

GENERAL NOTES

--	--

GN-1	0
------	---





Geil Engineering  
Engineering \* Surveying \* Planning  
1226 High Street  
Auburn, California 95603-5015  
Phone: (530) 885-0426 \* Fax: (530) 823-1309

A.T.& T. Mobility

Project No./Name: CCL09814 / GILROY

Project Site Location: 999 Melchoir Ct.  
Gilroy, CA 95020  
Santa Clara County

Date of Observation: 03-28-18

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

Type of Antenna Mount: Existing Utility Tower

Coordinates (Tower)  
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

DATE OF SURVEY: 03-28-18

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

LOCATED IN THE COUNTY OF SANTA CLARA, STATE OF CALIFORNIA

BEARINGS SHOWN ARE BASED UPON MONUMENTS FOUND AND RECORD INFORMATION. THIS IS NOT A BOUNDARY SURVEY.

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

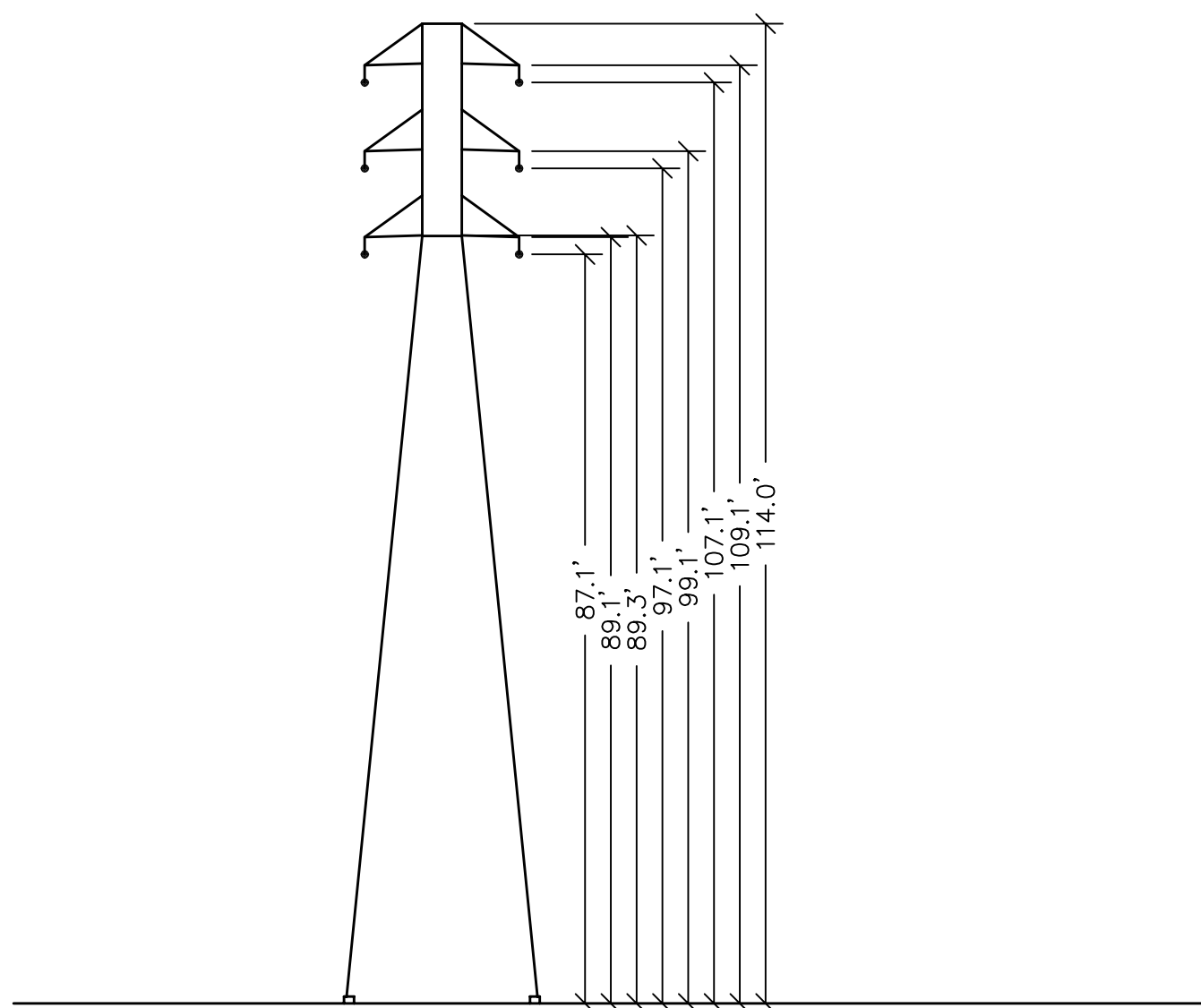
N.G.V.D. 1929 CORRECTION: SUBTRACT 2.75' FROM ELEVATIONS SHOWN.

CONTOUR INTERVAL: N/A

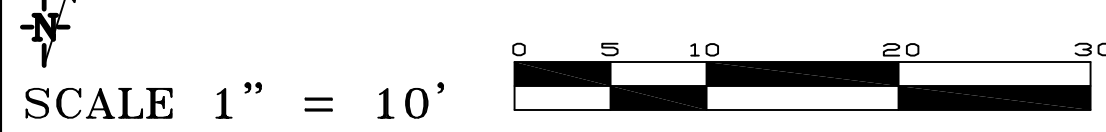
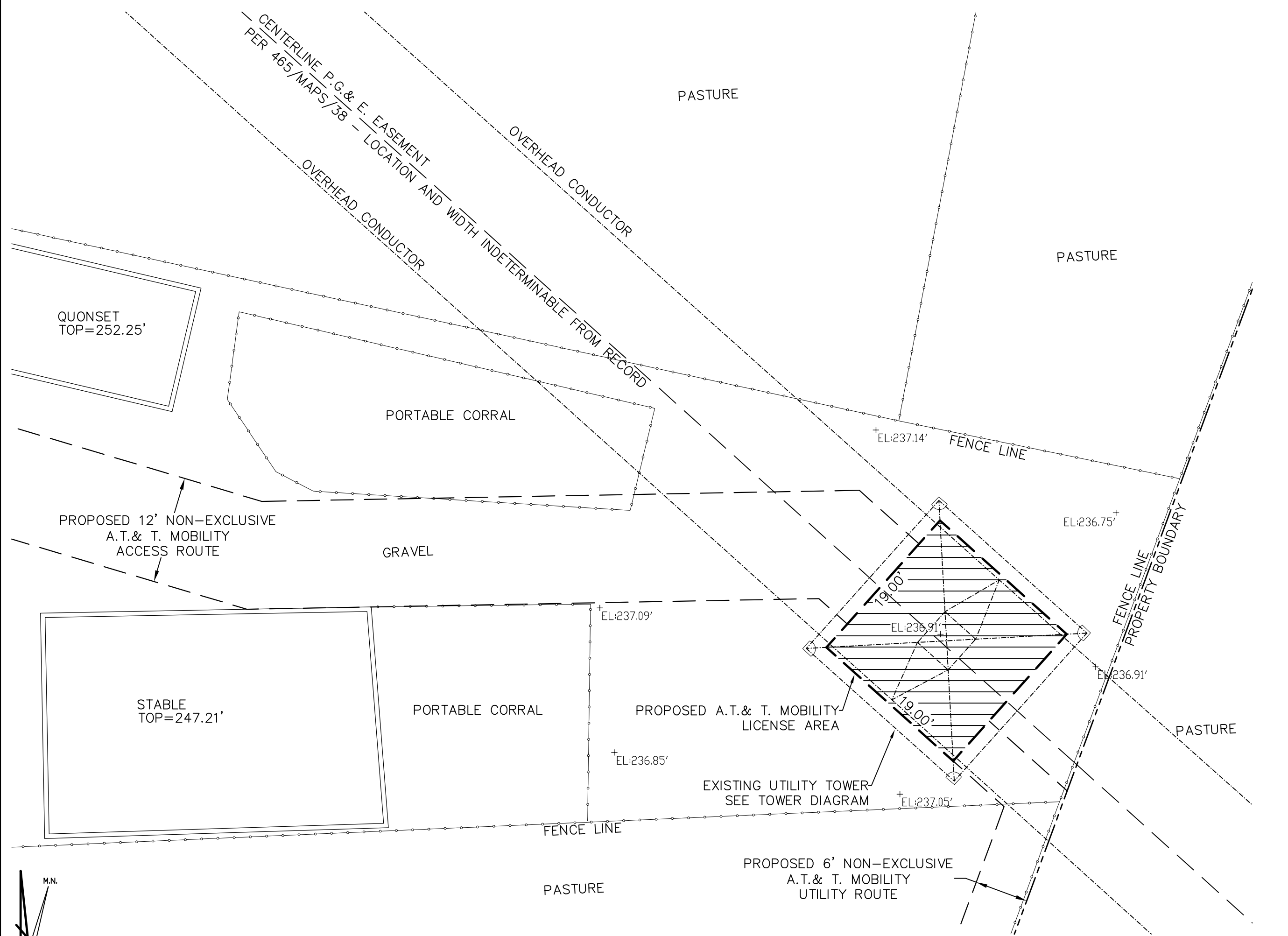
CONTRACTOR IS RESPONSIBLE TO VERIFY LEASE AREA PRIOR TO CONSTRUCTION.

ASSESSOR'S PARCEL NUMBER: 783-17-045

OWNER(S): SPANO FAMILY TRUST 2002  
999 MELCHOIR CT.  
GILROY, CA 95020



TOWER DIAGRAM



PROJECT AREA ENLARGEMENT

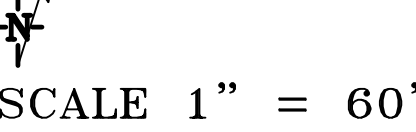
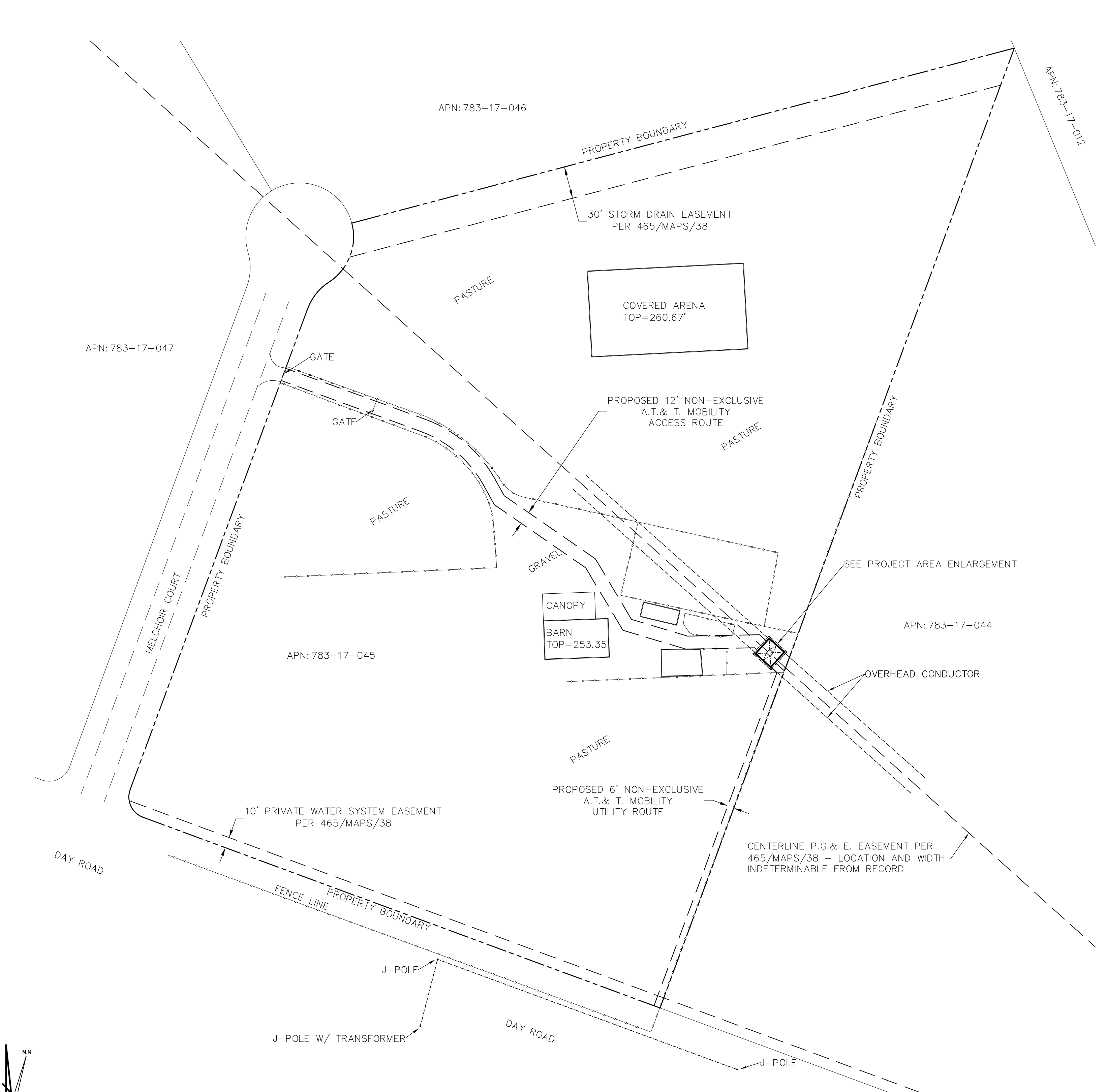
License Area Description

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:

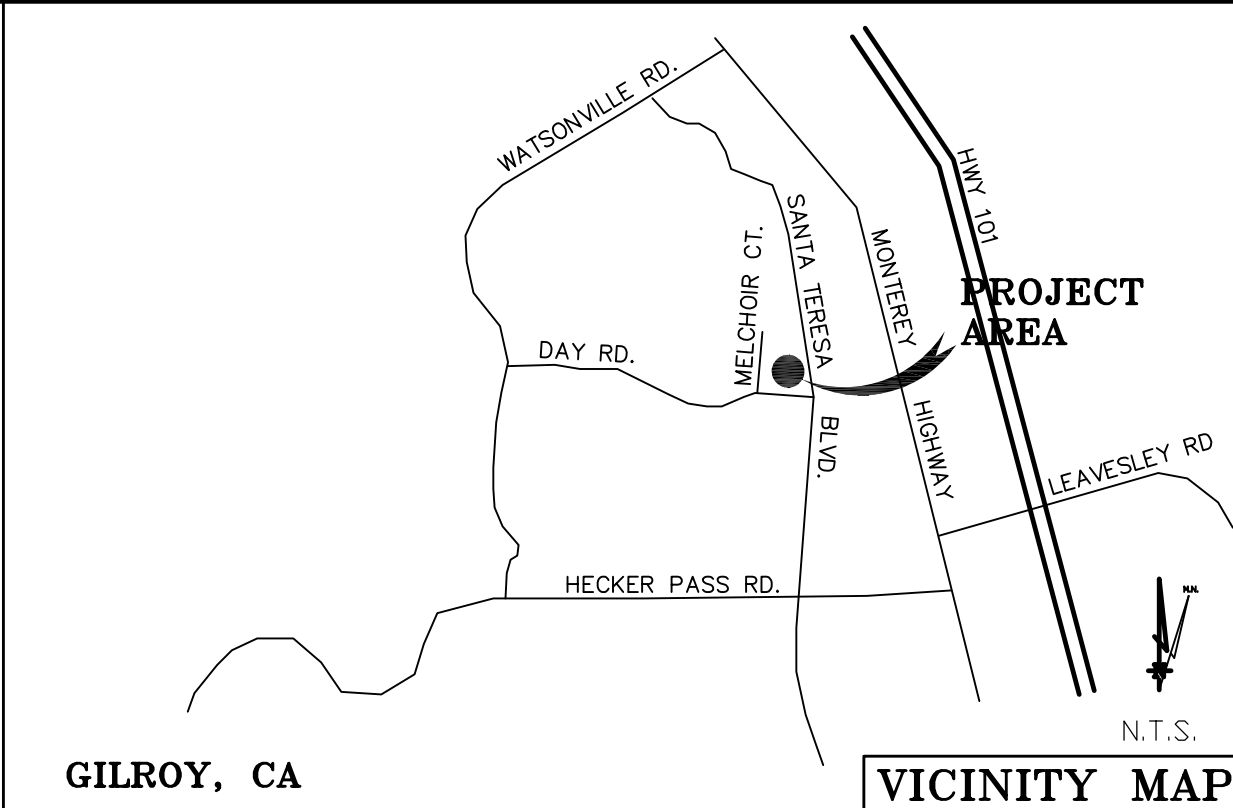
Commencing at a standard county monument in box set for the centerline intersection of Melchoir Court and Day Road as is shown on the above referenced map from which a similar monument bears North 20°15'10" East 601.30 feet; thence from said point of commencement North 74°16'37" East 655.29 feet to a 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.



OVERALL SITE PLAN



DEPT	APPROVED	DATE
A&C		
RE		
RF		
INT		
EE\IN		
OPS		
EE\OUT		

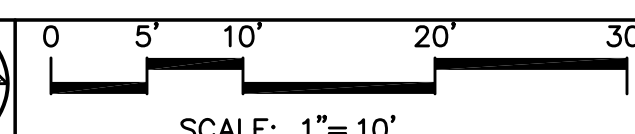

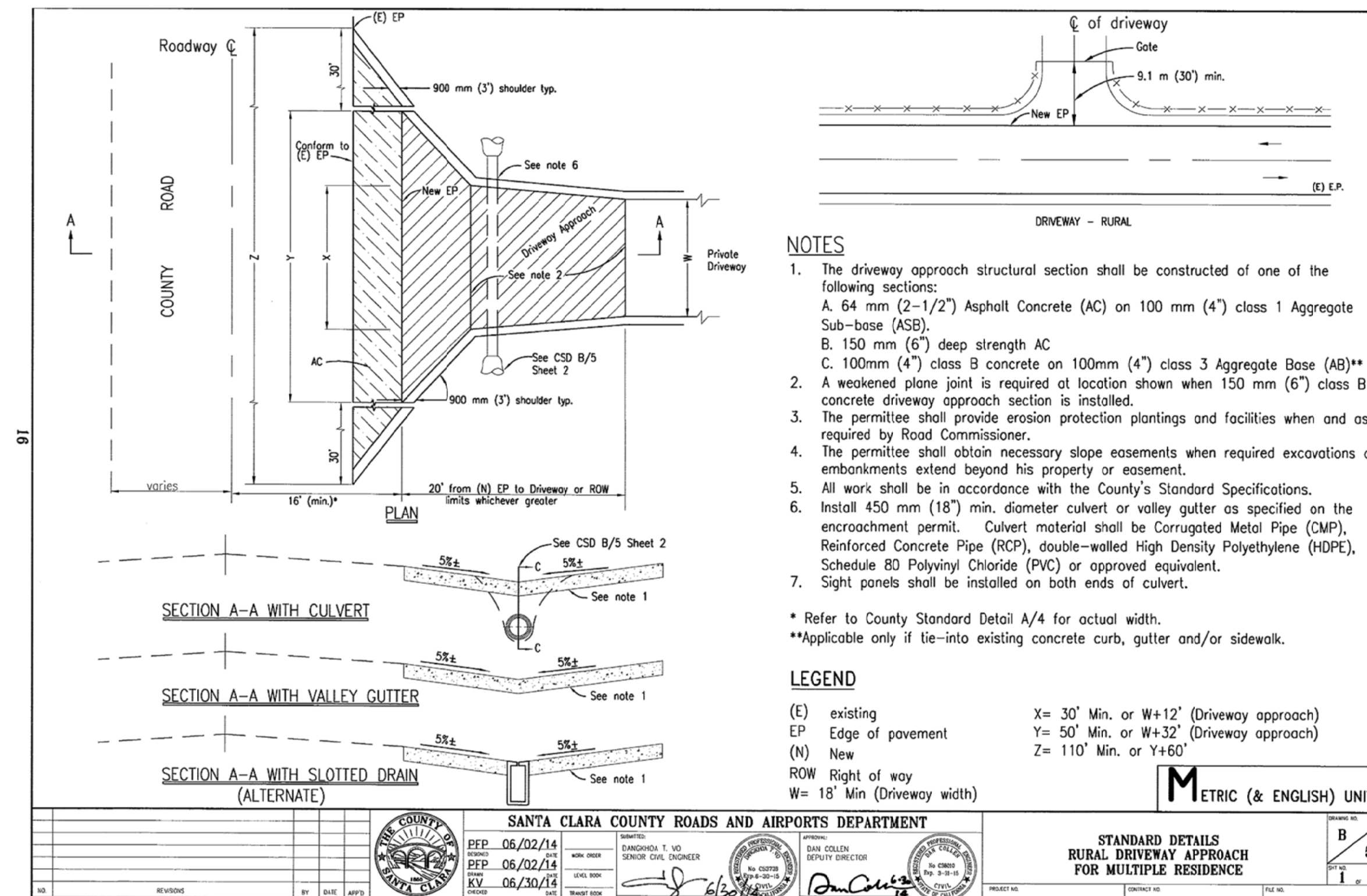
Surveyor

**GEIL ENGINEERING**  
ENGINEERING \* SURVEYING \* PLANNING  
1226 HIGH STREET  
AUBURN, CALIFORNIA 95603  
Phone: (530) 885-0426  
Fax: (530) 823-1309

**at&t**  
**MOBILITY**

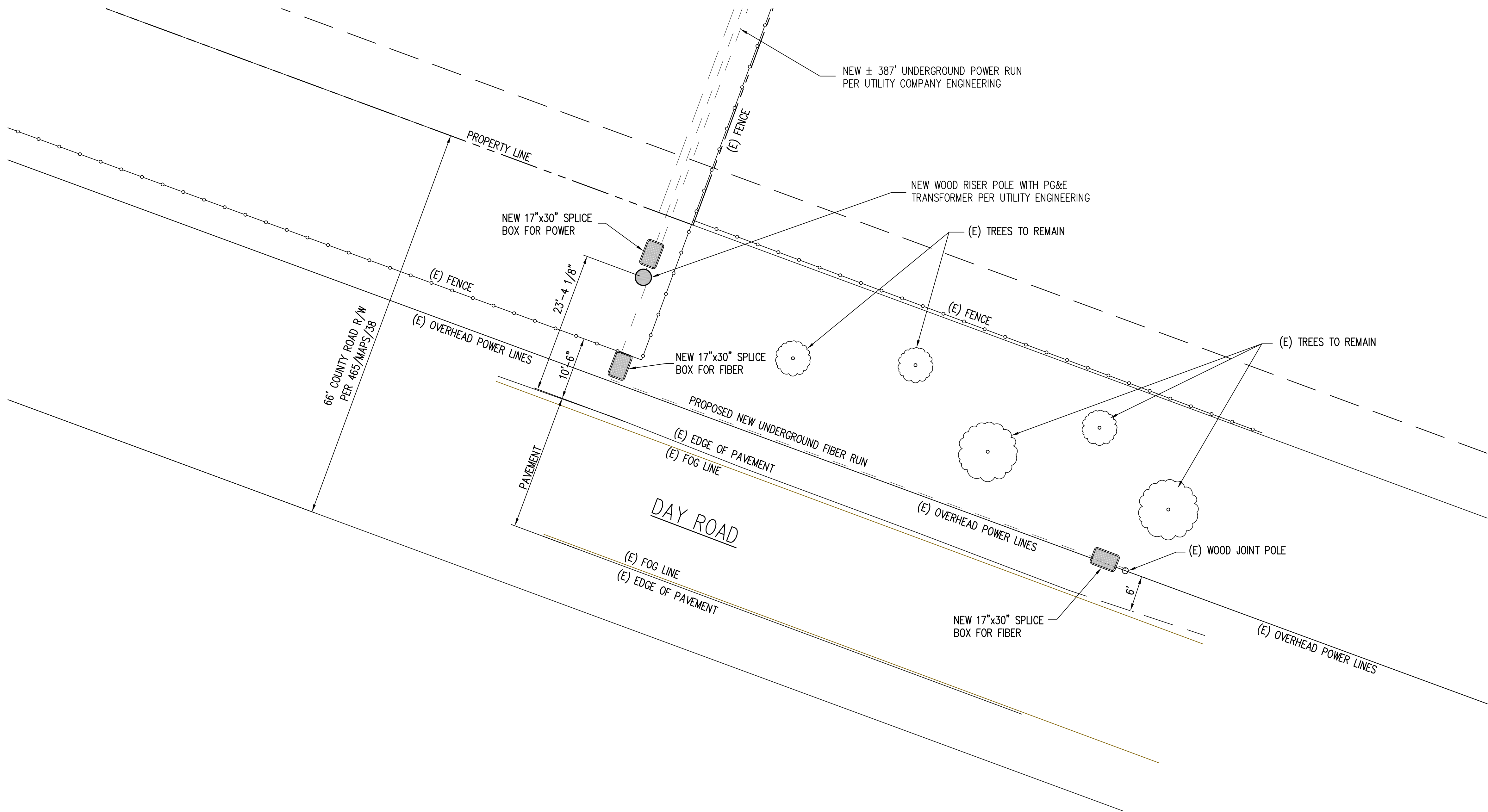
**CCL09814**  
**GILROY**  
999 MELCHOIR CT.  
GILROY, CA 95020  
PLOT PLAN AND  
SITE TOPOGRAPHY

REVISIONS	REV	DATE	DRAWING SUBMITTAL
	03-30-18	N. ROHDE	
	REV		
	REV		
	REV		
	REV		

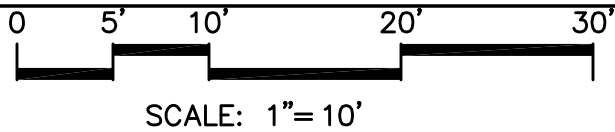


1

0



UTILITY PLAN ALONG DAY ROAD AND COUNTY R.O.W.



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

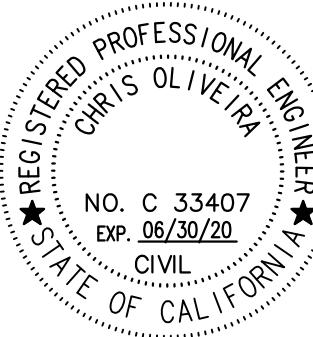
REV: DATE: DESCRIPTION: BY:

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

COORDINATING ENGINEER:

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

SEAL:



SITE #: CHK.: DRAWN BY:

CCL02123 ... AMP

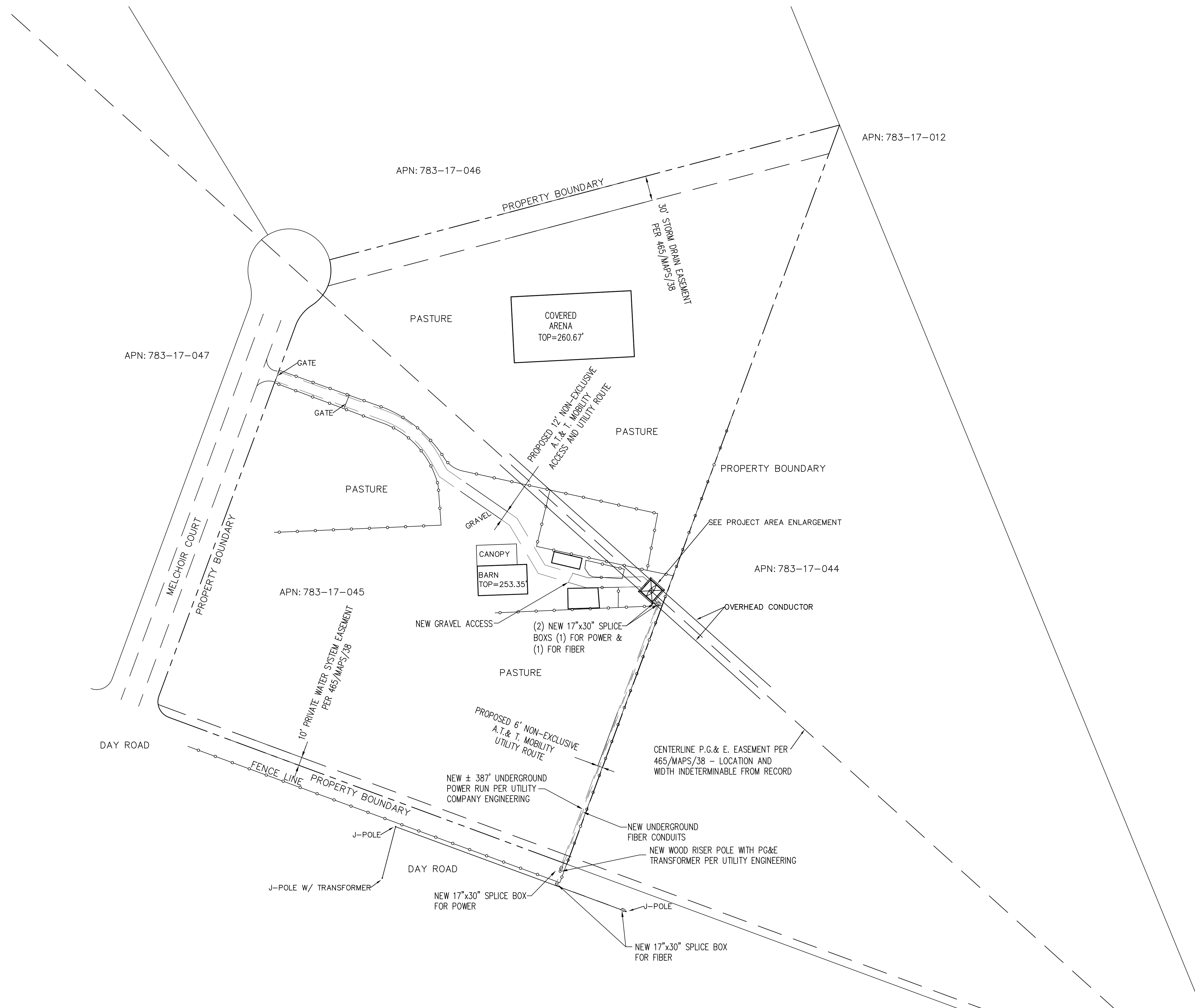
SHEET TITLE:

UTILITY PLAN  
AT COUNTY ROW

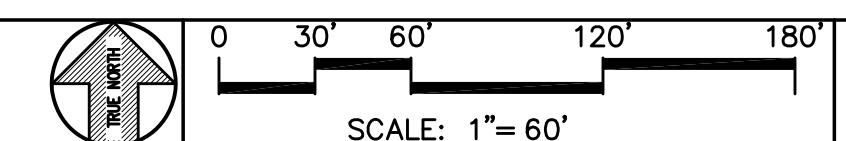
SHEET NUMBER: REVISION:

C-3

0



SITE PLAN



1

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: 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

COORDINATING ENGINEER:

Peek Site-Com

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

E-Mail info@peeksitecom.com

SEAL:



SITE #: CHK.: DRAWN BY:

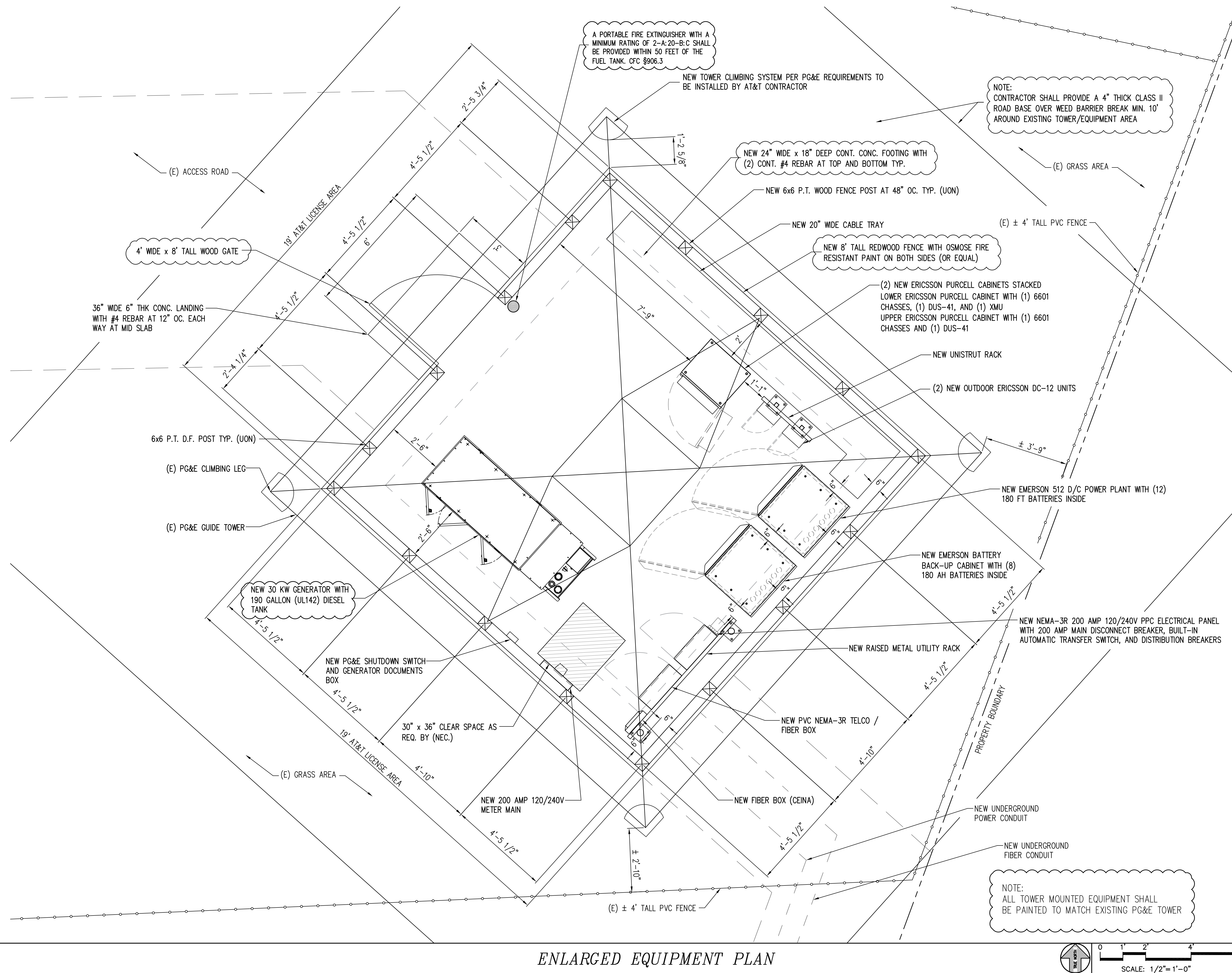
CCL02123	...	AMP
----------	-----	-----

SHEET TITLE:

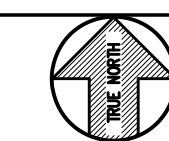
SITE PLAN

SHEET NUMBER: REVISION:

A-1 0



## ENLARGED EQUIPMENT PLAN



0 1' 2' 4'

SCALE:  $1/2" = 1'-0"$

1

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-CDM 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: \_\_\_\_\_ BY: \_\_\_\_\_

[illegible]

COORDINATING ENGINEER

*Peek Site-Com*

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

E-Mail [info@peeksitecom.com](mailto:info@peeksitecom.com)

SEAL:



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

CCL02123	...	AMP
----------	-----	-----

SHEET TITLE: \_\_\_\_\_

# ENLARGED EQUIP. PLAN

SHEET NUMBER: \_\_\_\_\_ REVISION: \_\_\_\_\_

A-1.1	0
-------	---

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:

999 MELCHOIR CT  
GILROY, CA 95020

[illegible]

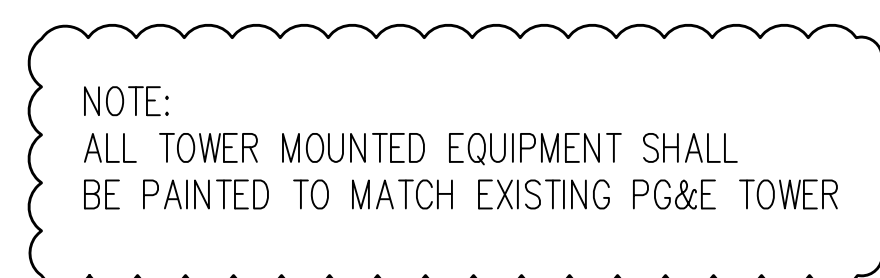
12852 Earhart Ave. Suite 101  
Auburn, California 95602  
Phone (530) 885-6160  
E-Mail [info@peeksitcom.com](mailto:info@peeksitcom.com)

REGISTERED PROFESSIONAL ENGINEER  
CHRIS OLIVEIRA  
NO. C 33407  
EXP. 06/30/20  
CIVIL  
STATE OF CALIFORNIA

CCL02123	...	AMP
----------	-----	-----

SHEET NUMBER: \_\_\_\_\_ REVISION: \_\_\_\_\_

A-1.2	0
-------	---



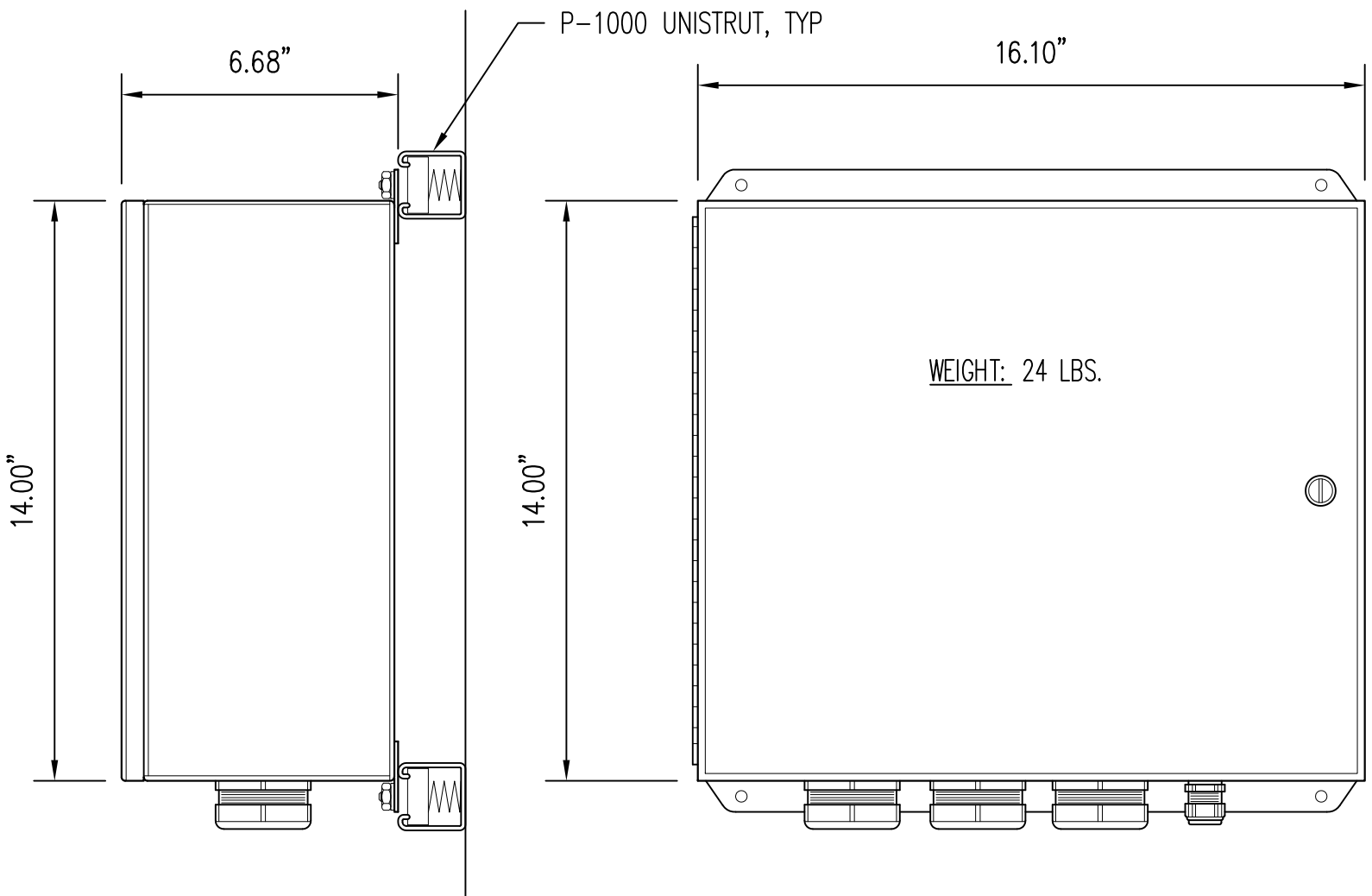
0 2' 4' 8'

SCALE: 1/4" = 1'-0"

1

*ENLARGED ANTENNA PLAN*

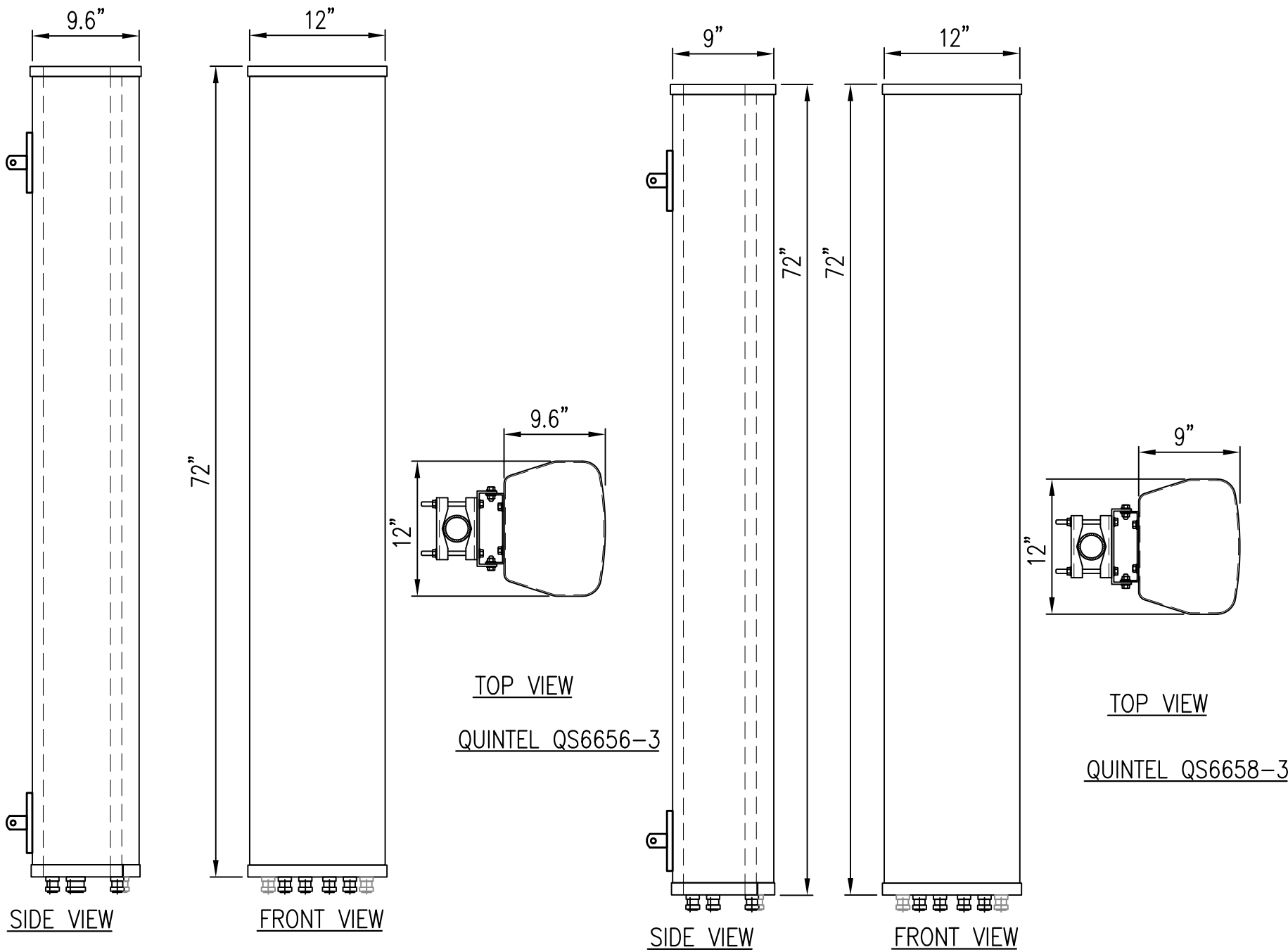
MOUNTING NOTE:  
USE U-BOLTS FOR PIPE MOUNTS, LAG OR TEK  
SCREWS FOR WOOD AND METAL STUD FRAME,  
MACHINE BOLTS FOR METAL FRAMING AND  
WEDGE ANCHORS FOR CONCRETE.



NEW OUTDOOR DC-12 DETAILS

SCALE: N.T.S.

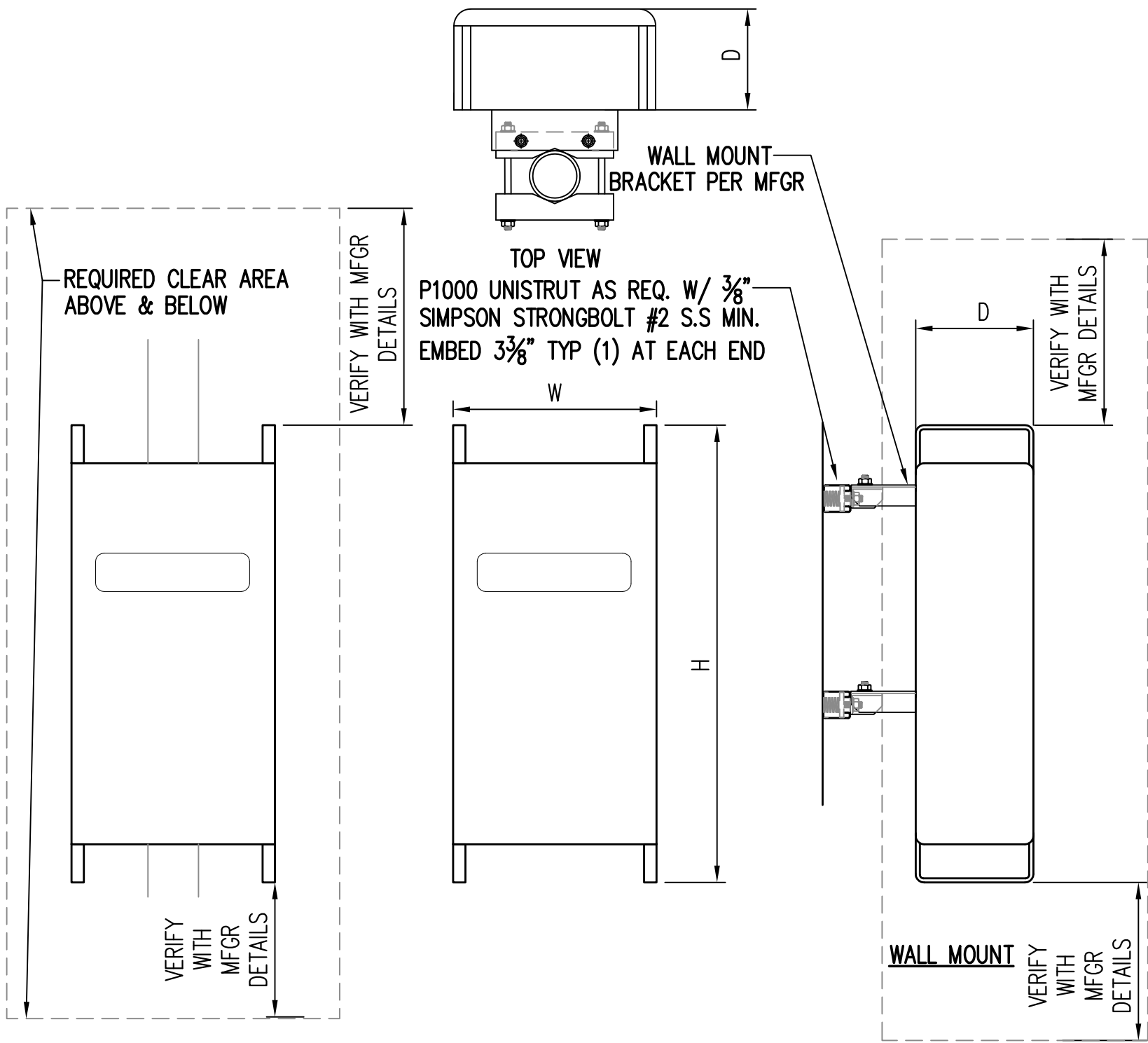
3



NEW ANTENNA DETAILS

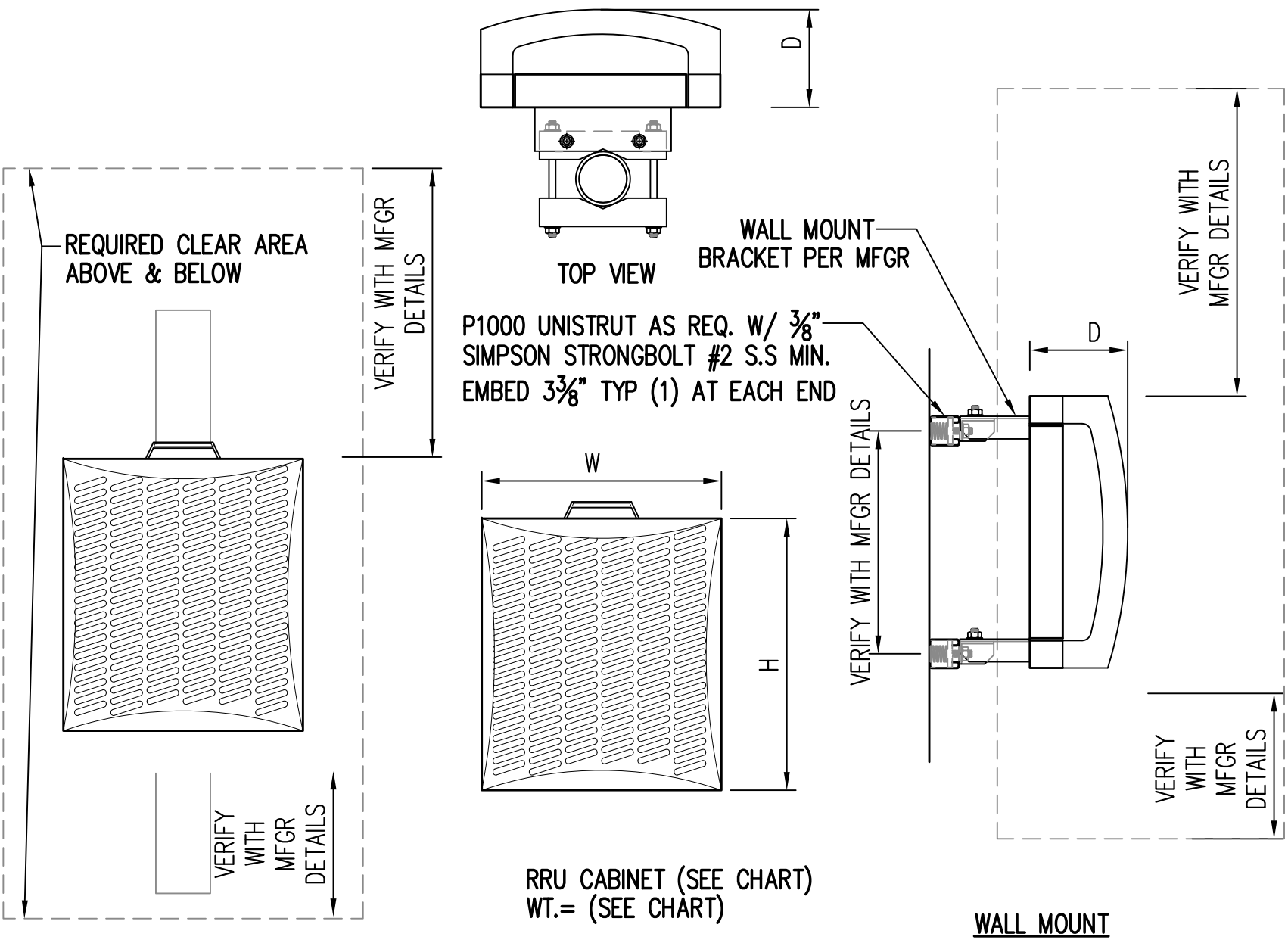
SCALE: N.T.S.

1



TYPE	HEIGHT	WIDTH	DEPTH	WEIGHT
RRUS-32 B2	27.2"	12.1"	7.0"	60 LBS
RRUS-32 B30	27.2"	12.1"	7.0"	60 LBS
RRUS-32 B66	27.2"	12.1"	7.0"	60 LBS
RRUS-32 B66A	27.2"	12.1"	7.0"	60 LBS

NOTE: SEE RF SHEET FOR  
RRU PLACEMENT



TYPE	HEIGHT	WIDTH	DEPTH	WEIGHT
RRU-11	17.3"	17.8"	7.19"	50 LBS
RRUS-E2	18.5"	20.4"	7.5"	50 LBS
RRU-12	18.5"	20.4"	7.5"	50 LBS
A2	15"	12.8"	3.5"	21 LBS
RRUS-4478 B14	17.3"	17.8"	7.19"	60 LBS
RRUS-4415 B25	14.96"	13.19"	5.39"	44 LBS
RRUS-4426 B66	15"	13.2"	5.8"	48 LBS
RRUS-4478 B14	17.3"	17.8"	7.19"	60 LBS
RRUS-4478 B5	17.3"	17.8"	7.19"	60 LBS

NOTE: SEE RF SHEET FOR  
RRU PLACEMENT

RRUS DETAIL

SCALE: N.T.S.

2

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-CDM 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: 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

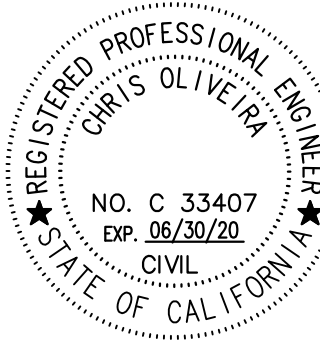
COORDINATING ENGINEER:

Peek Site-Com

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

E-Mail info@peeksitcom.com

SEAL:



SITE #: CHK.: DRAWN BY:

CCL02123 ... AMP

SHEET TITLE:

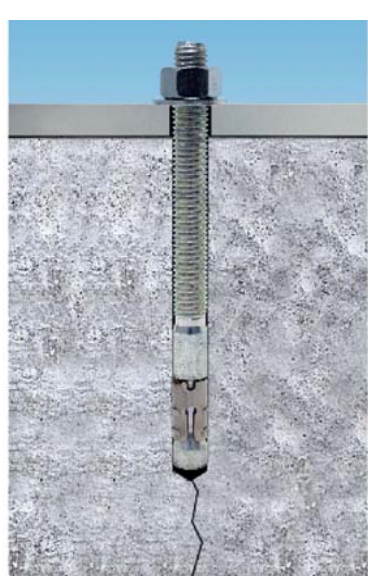
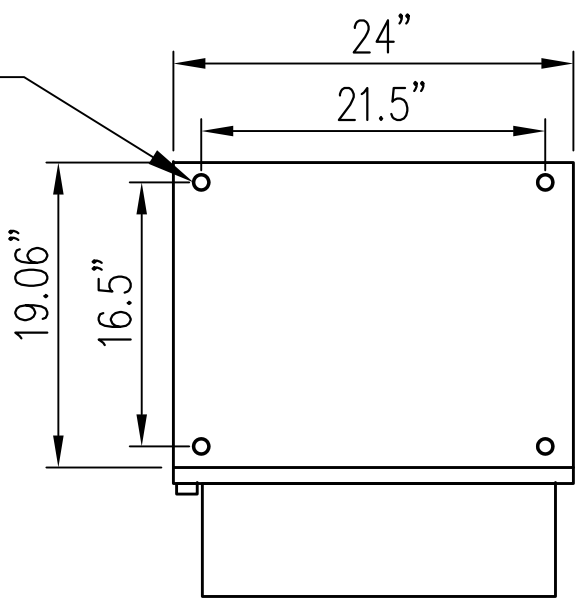
ANTENNA DETAILS

SHEET NUMBER: REVISION:

A-1.3 0

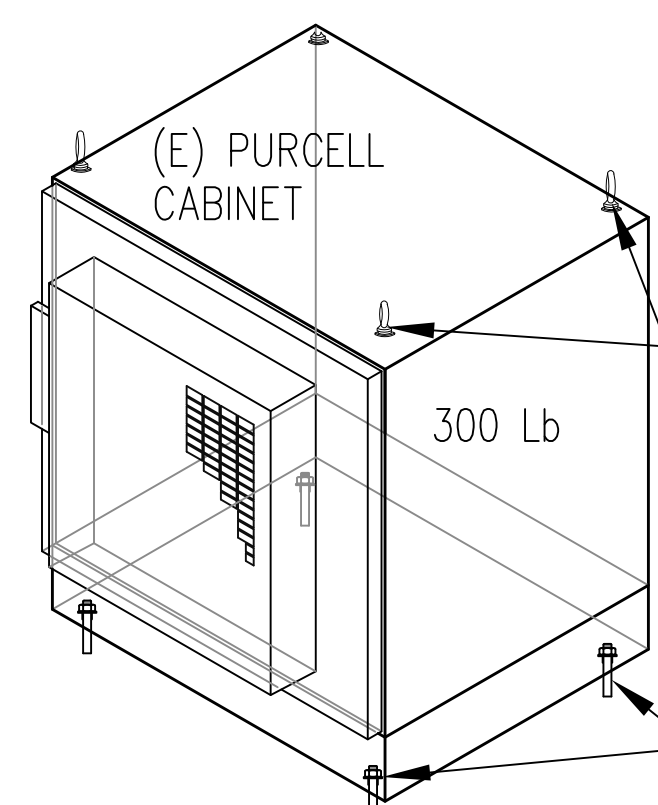
A-1.4	0
-------	---

1/2"Ø SIMPSON STRONGBOLT #2  
ICC-ESR 3037, TYP. OF (4) W/  
MIN. 3 7/8" EMBED INTO (E)  
6" CONC. SLAB INSTALLATION  
TORQUE 60 ft.lb



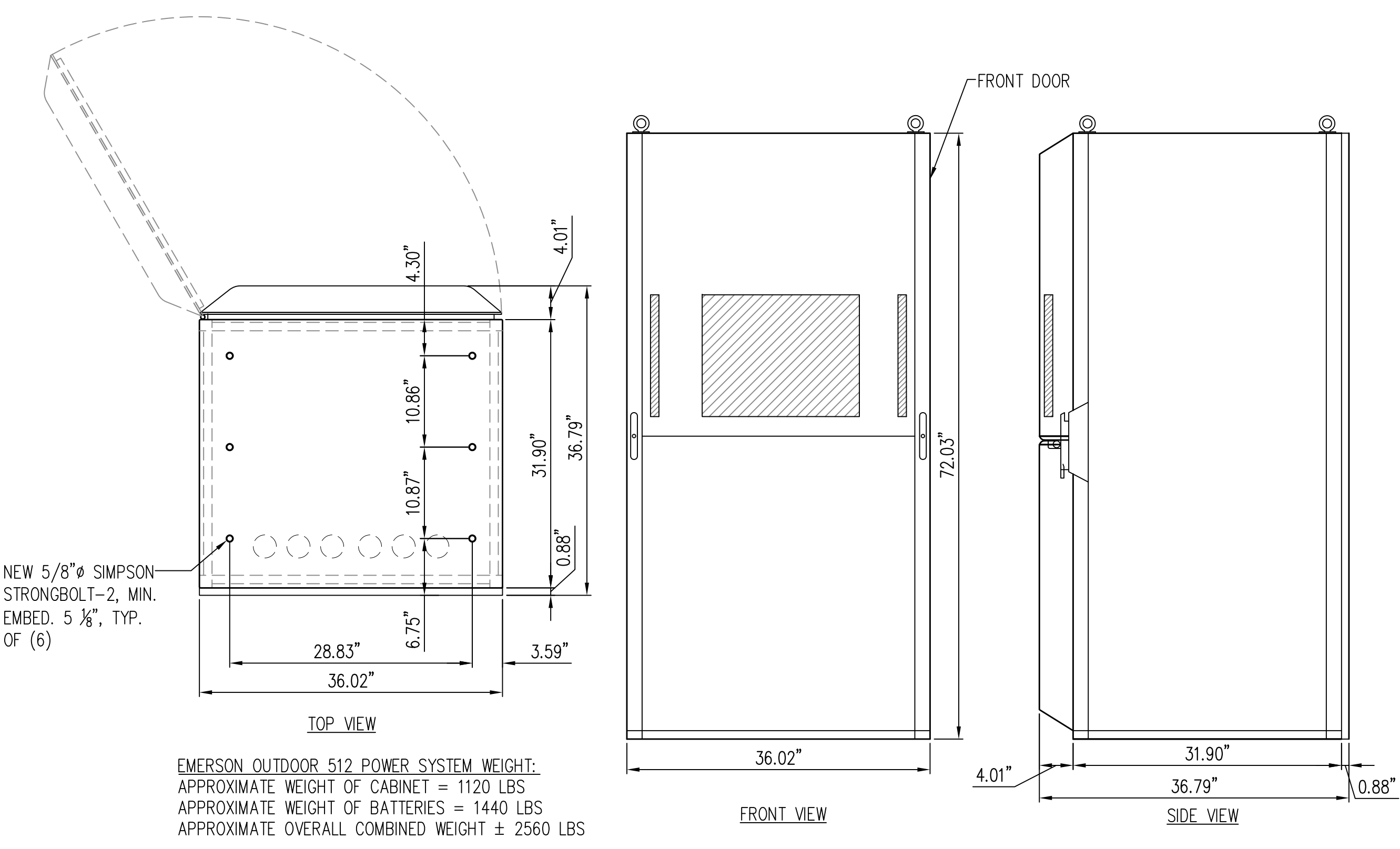
Strong-Bolt® 2 Installed

(E) PURCELL CABINET



REMOVE (E) 1/2" Ø LIFTING RINGS FROM (E) PURCELL  
CABINET AND BOLT DOWN NEW PURCELL TO TOP OF  
(E) WITH 1/2" Ø M.B. PER MANUFACTURER  
SPECIFICATIONS INSTALLATION TORQUE 40 ft.lb

1/2"Ø SIMPSON STRONGBOLT #2 ICC-ESR 3037, TYP.  
OF (4) W/ MIN. 3 7/8" EMBED INTO (E) 6" CONC.  
SLAB INSTALLATION TORQUE 60 ft.lb



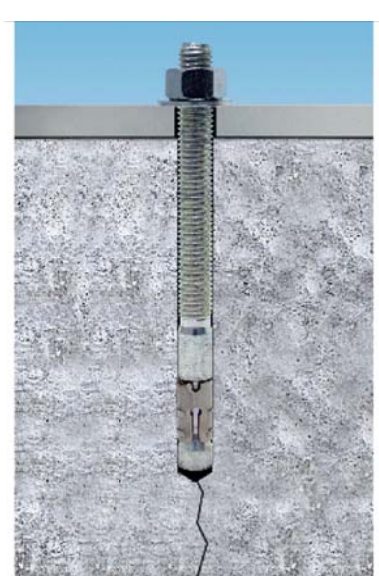
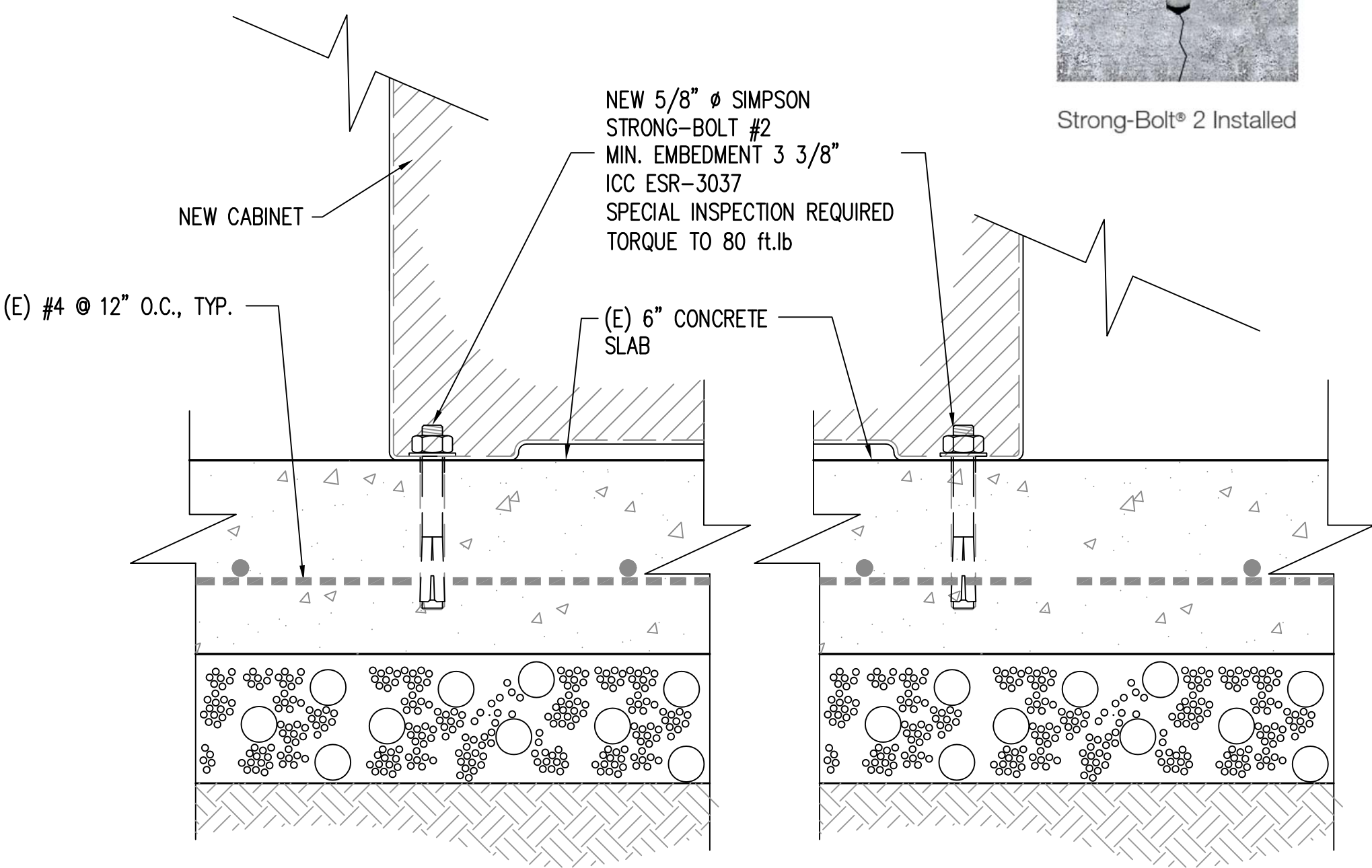
EMERSON OUTDOOR 512 POWER SYSTEM WEIGHT:  
APPROXIMATE WEIGHT OF CABINET = 1120 LBS  
APPROXIMATE WEIGHT OF BATTERIES = 1440 LBS  
APPROXIMATE OVERALL COMBINED WEIGHT ± 2560 LBS

NEW PURCELL CABINET DETAIL

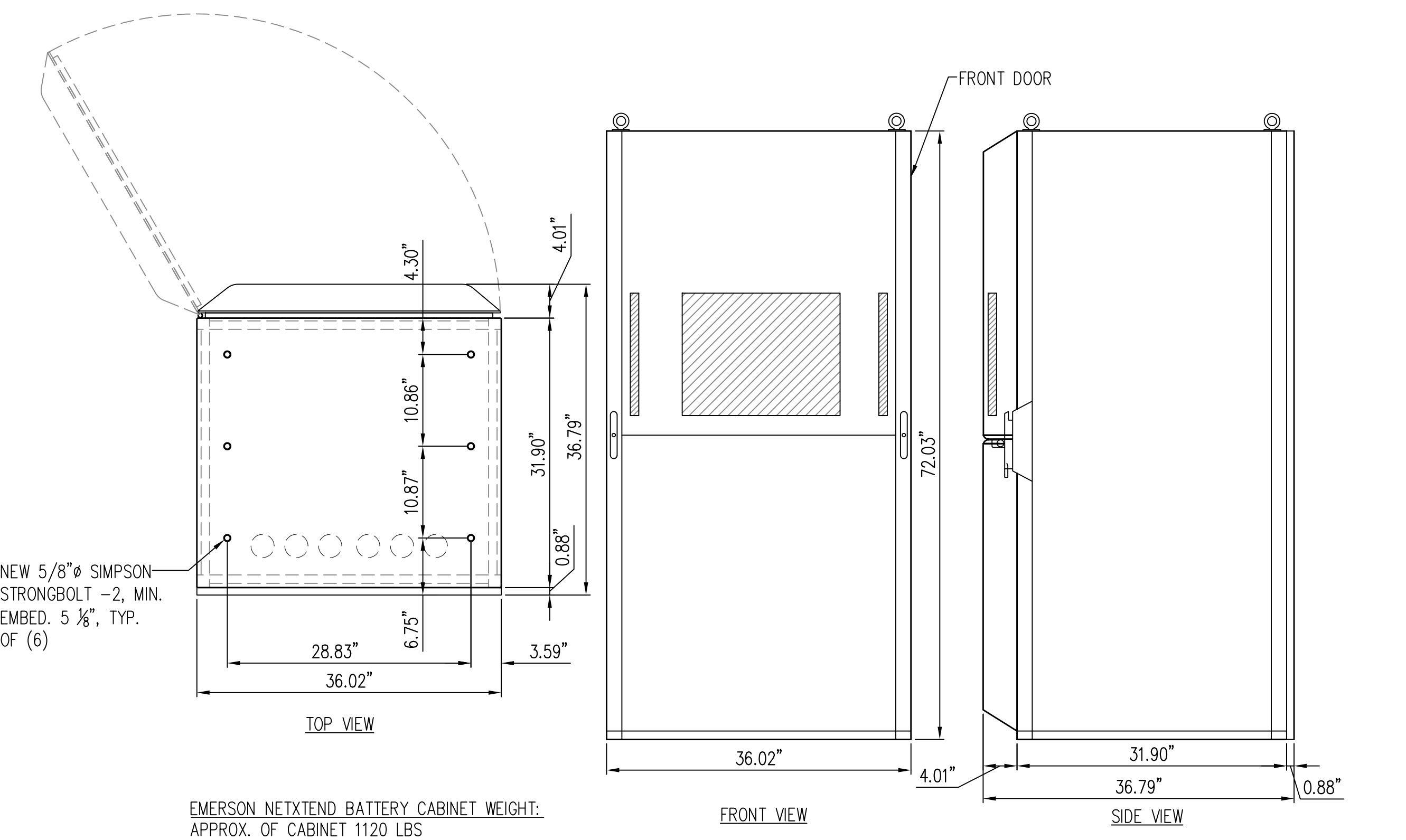
SCALE: N.T.S. 3

NEW EMERSON 512 POWER CABINET DETAIL

SCALE: N.T.S. 1



Strong-Bolt® 2 Installed



EMERSON NETXTEND BATTERY CABINET WEIGHT:  
APPROX. OF CABINET 1120 LBS  
APPROX. OF BATTERIES 2880 LBS  
OVERALL WEIGHT ± 4000 LBS

POWER & BATTERY CABINET BOLT-DOWN DETAIL

SCALE: N.T.S. 4

NEW EMERSON BATTERY CABINET DETAIL

SCALE: N.T.S. 2

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: 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

COORDINATING ENGINEER:

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

SEAL:



SITE #: CHK.: DRAWN BY:

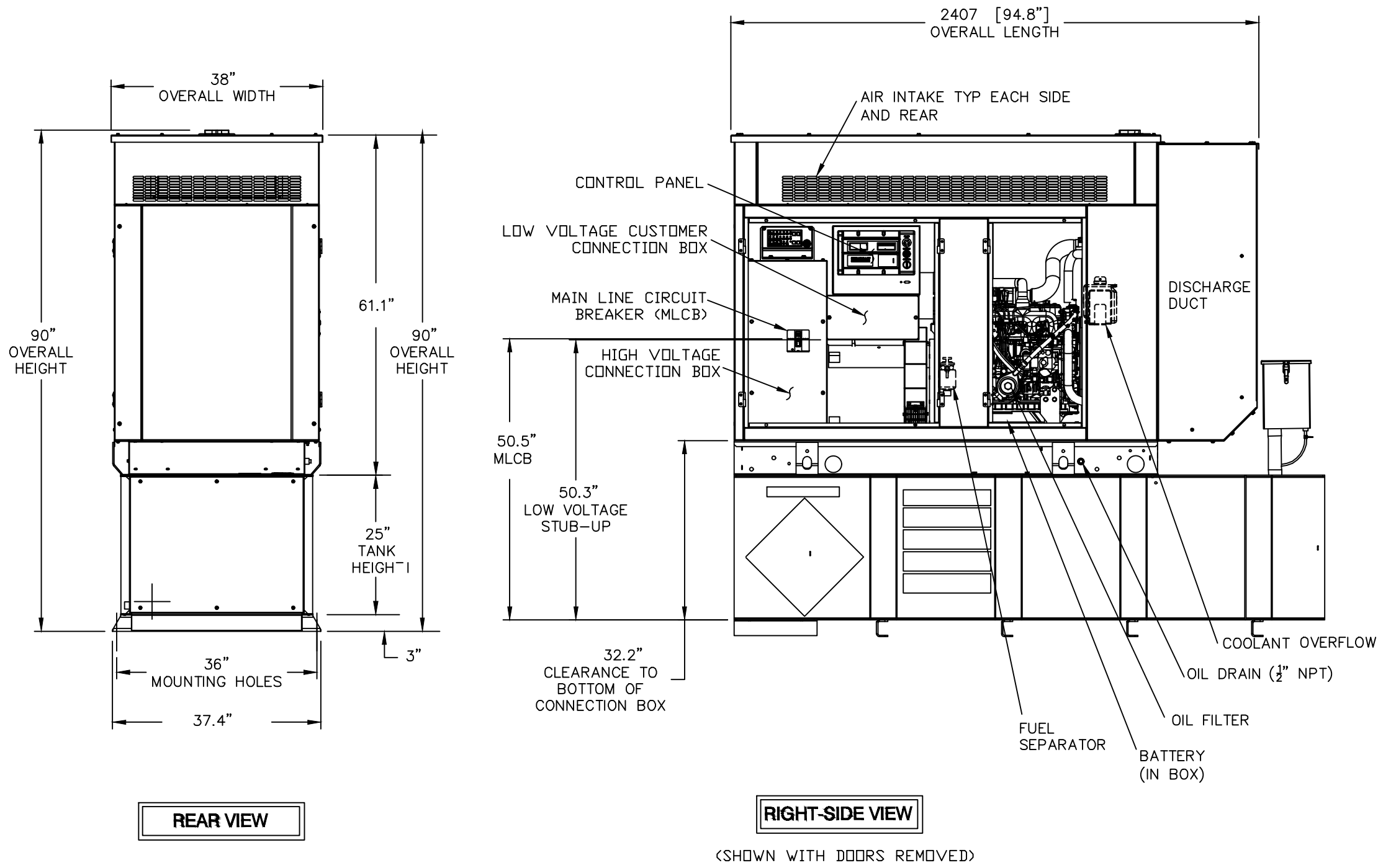
CCL02123 ... AMP

SHEET TITLE:

DETAILS

SHEET NUMBER: REVISION:

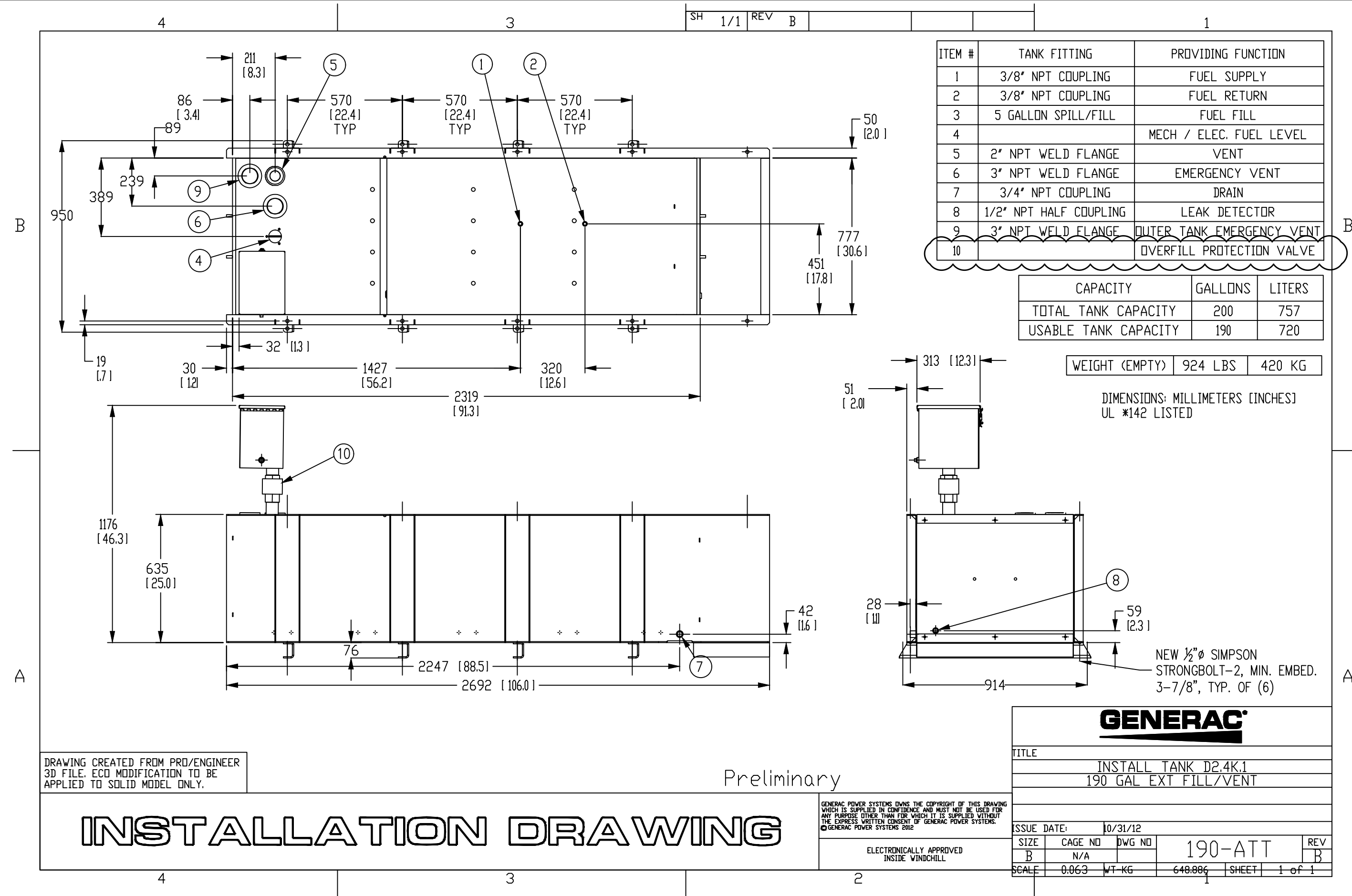
A-1.5 0



GENERATOR DETAIL

SCALE: N.T.S.

3



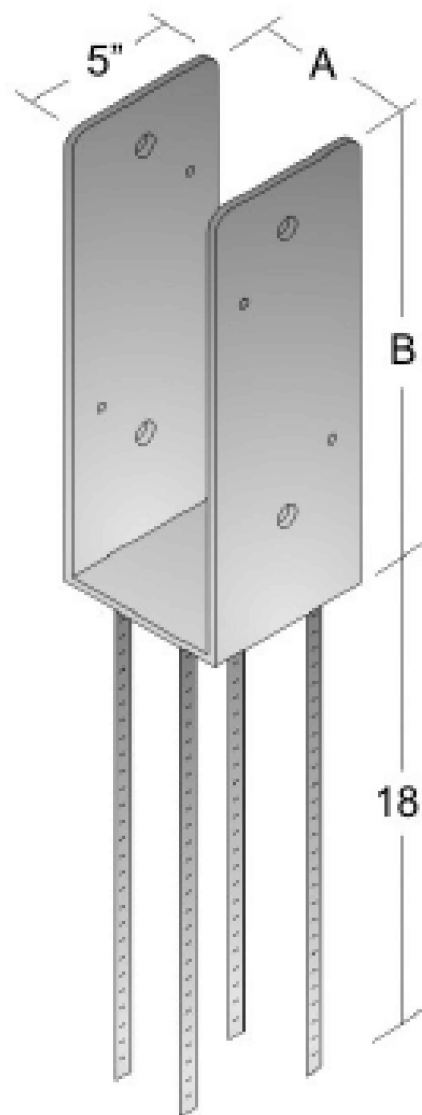
DIESEL TANK DETAIL

SCALE: N.T.S.

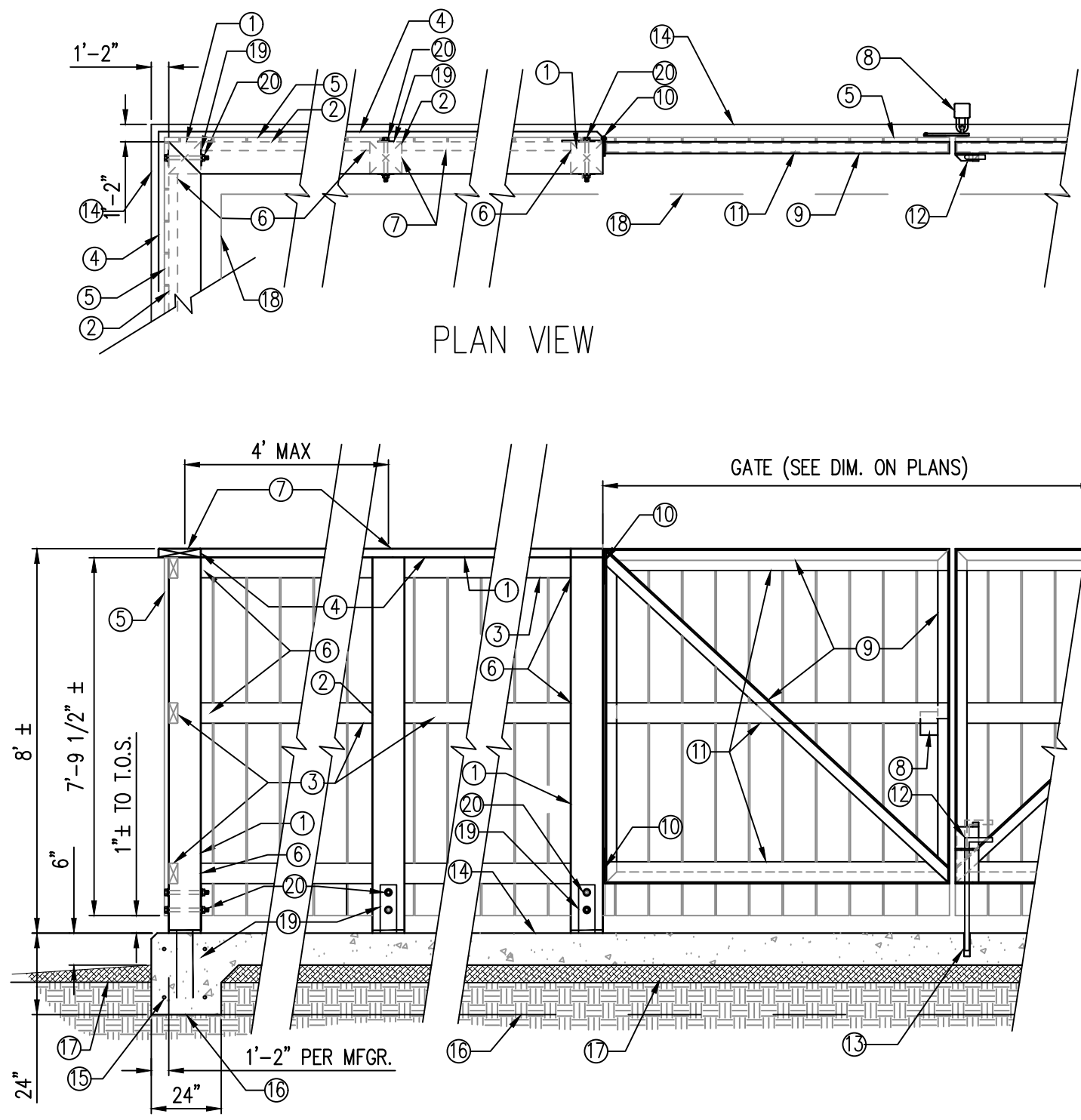
1

- GENERAL NOTES:**
- 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
  - This installation project also falls under the jurisdiction of the Santa Clara County Dept. of Environmental Health, Hazardous Materials Compliance Division (HMCDD). Contact HMCDD at (408) 918-3400 for any additional requirements.
  - Diesel tank shall be UL 2085 protected tank. Verify with the tank specification sheet.
  - Fuel tank shall have a dbl. wall secondary containment system per CFC §5004.2, CFC§5703.4
  - The vent pipe outlets shall terminate at least 12 feet above ground per CFC §5704.2.7.3.3
  - Fuel tank shall have an overfill prevention valve in accordance with CFC §5704.2.9.7.5.
  - 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.
  - Fuel tank shall be properly labeled with contents. Additional signs shall be posted prohibiting open flames and smoking. CFC §5704.2.3.2
  - 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
  - The generator enclosure shall be placarded with the appropriate NFPA 704 placard. CFC §5003.5

SWP6 SERIES



STURDI-WALL PLUS WET SET (SWP66) COLUMN BASE



**WOOD FENCE CONSTRUCTION NOTES:**

- GATE, END OR CORNER POST, 6"x6" P.T. DOUGLAS FIR (TYP.)
- LINE POST, 6"x6" P.T. DOUGLAS FIR (TYP.)
- TOP, BOTTOM, & MID RAIL, 2"x4" P.T. DOUGLAS FIR (TYP.)
- 2"x8" P.T. DOUGLAS FIR AT TOP CAP TOP MITERED @ CORNERS
- 1"x6" ROUGH SAWN REDWOOD FENCE BOARDS (TYP.)
- TOE NAIL (TYP. RAILS TO CORNER, GATE,& INTERMEDIATE POSTS).
- NAIL TOP CAP TO TOP RAIL @ 12"-16" O.C.
- HIGH SECURITY (HDG) PADLOCK HASP MOUNTED THROUGH FENCE BOARDS TO 1/4" THK. STEEL ON GATE SUPPORT.
- 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)
- TEE TYPE HINGES (SIZE AS REQUIRED TO SUPPORT GATE).
- NAILING CLEATS, 2"x4" P.T. DOUGLAS FIR SCREWED TO TOP & BOTTOM RAILS OF STEEL GATE SUPPORT WITH 1/4" FLAT HEAD WOOD SCREWS.
- 3/4" DIA. DROP BOLT (HDG) SHOP WELDED TO GATE SUPPORT FRAME.
- 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
- (2) CONT. #4 REBAR 3" UP FROM BOTTOM AND 3" DOWN FROM TOP TYP. OF (4) IN FOOTING ENTIRE PERIMETER OF SLAB.
- BOTTOM OF THICKENED CONCRETE BEYOND.
- 3" COMPACTED CLASS II CRUSHED ROCK BASE
- INSIDE EDGE THICKENED CONCRETE.
- STURDI-WALL PLUS WET SET (SWP66) COLUMN BASE PER PG&E REQUIREMENTS INSTALL PER MFG. FOR FULL LOADS.
- 5/8" Ø M.B., NUT, & WASHERS TYP. AS REQ.

NOTES:  
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.

WOOD FENCE DETAIL

SCALE: N.T.S.

2

**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-CDM 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: BY:

1	5-11-18	90% ZONING DOC'S	AMP
2	6-20-18	90% REV'S 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
10	2-13-20	GENERATOR HEIGHT INFORMATION	TAP

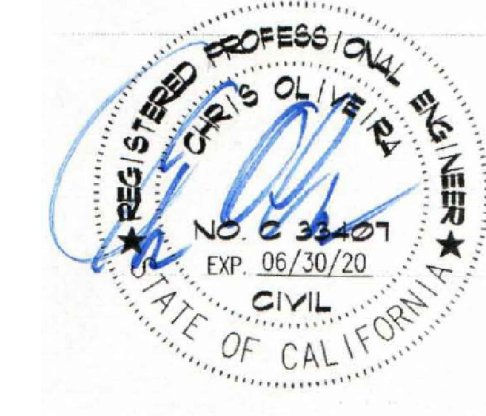
COORDINATING ENGINEER:

*Peek Site-Com*

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

E-Mail info@peeksitcom.com

SEAL:



SITE #: CHK.: DRAWN BY:

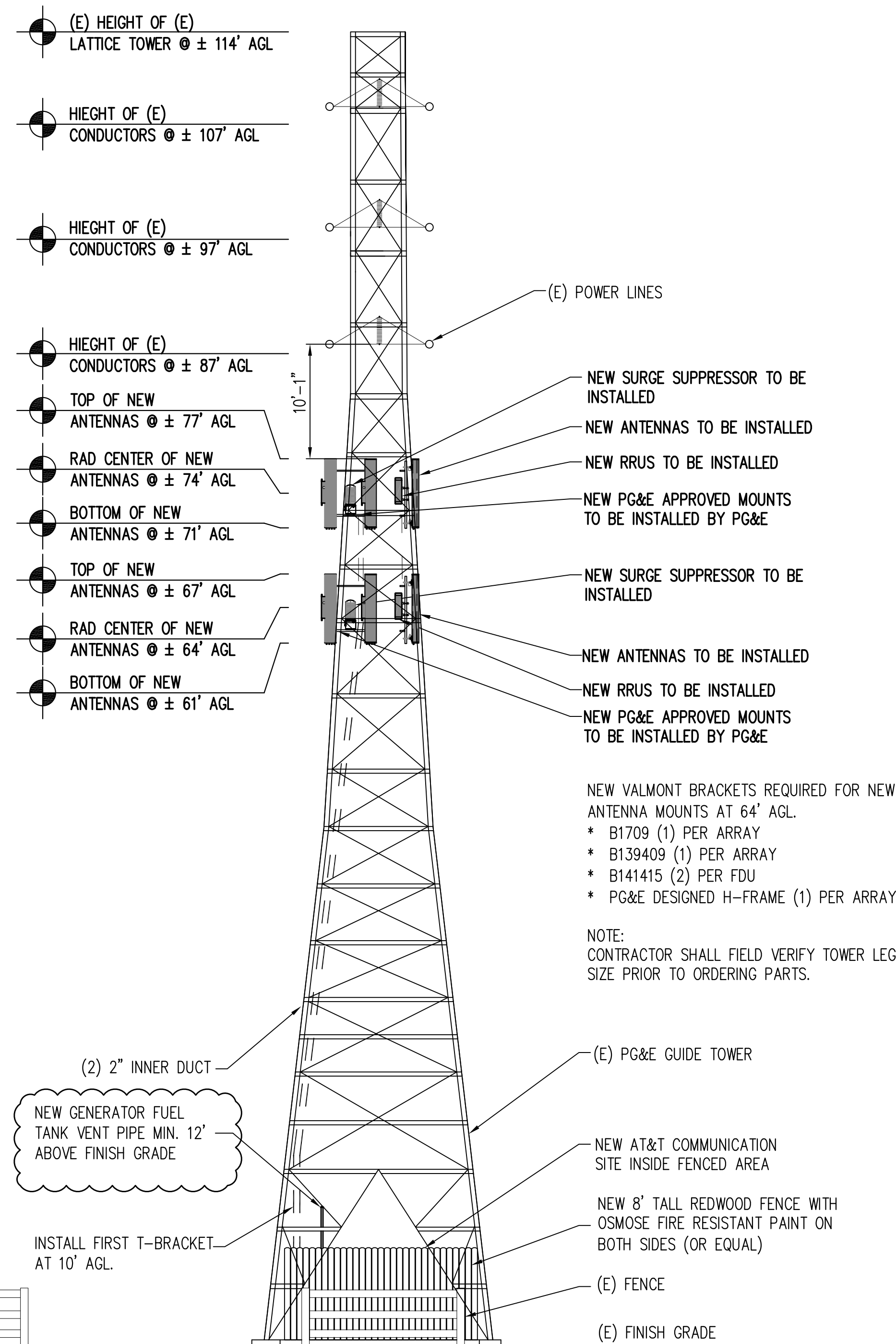
CCL02123 ... AMP

SHEET TITLE:

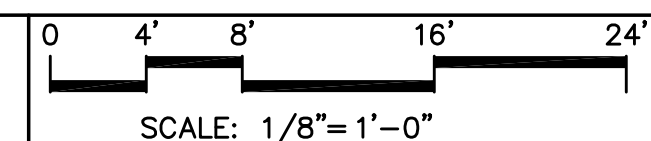
**DETAILS**

SHEET NUMBER: REVISION:

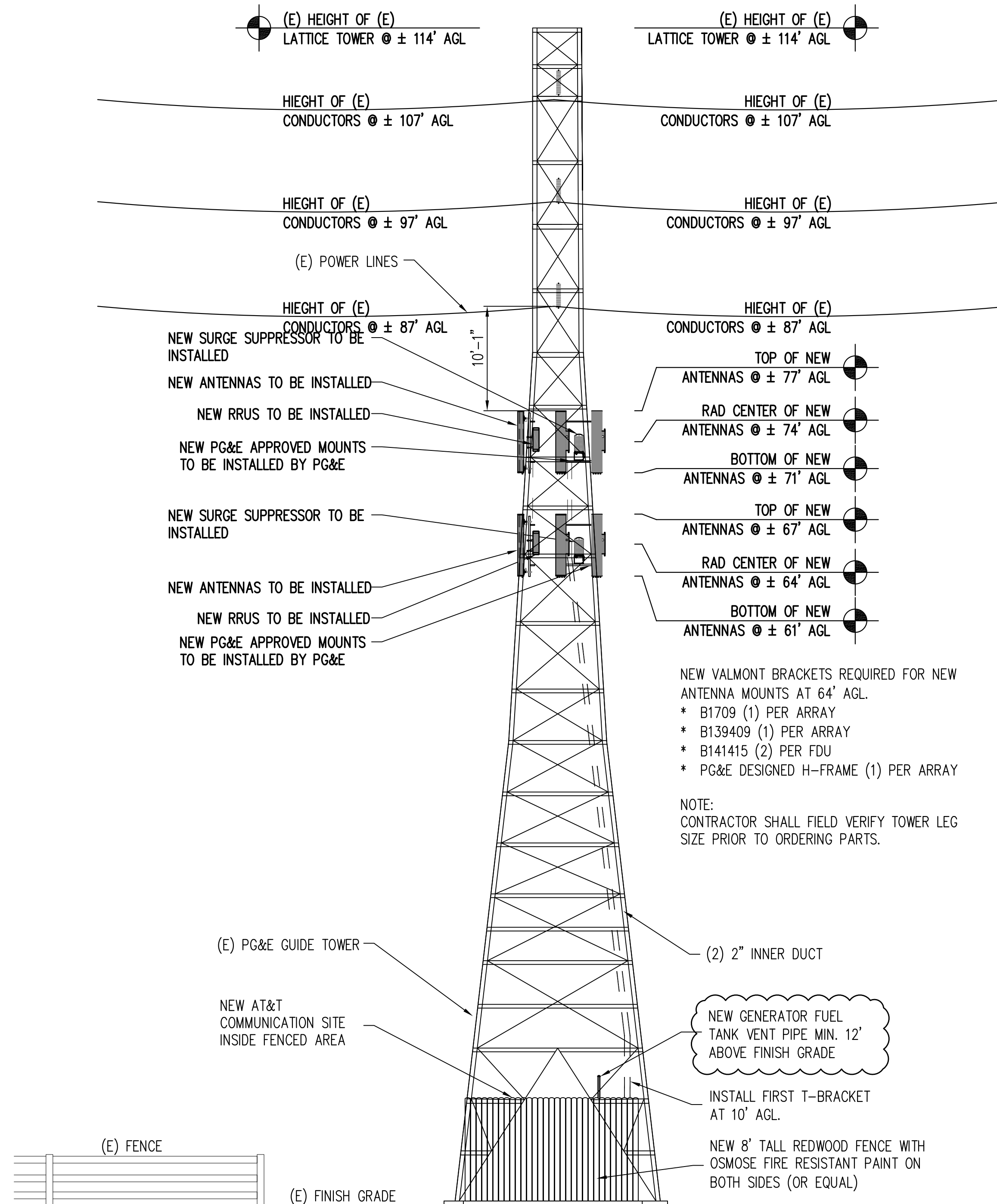
**A-1.6 0**



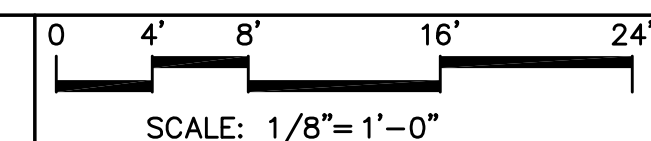
PURPOSED EAST ELEVATION



2



PURPOSED NORTH ELEVATION



1

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: 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

COORDINATING ENGINEER:

Peek Site-Com

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

E-Mail info@peeksitcom.com

SEAL:



SITE #: CHK.: DRAWN BY:

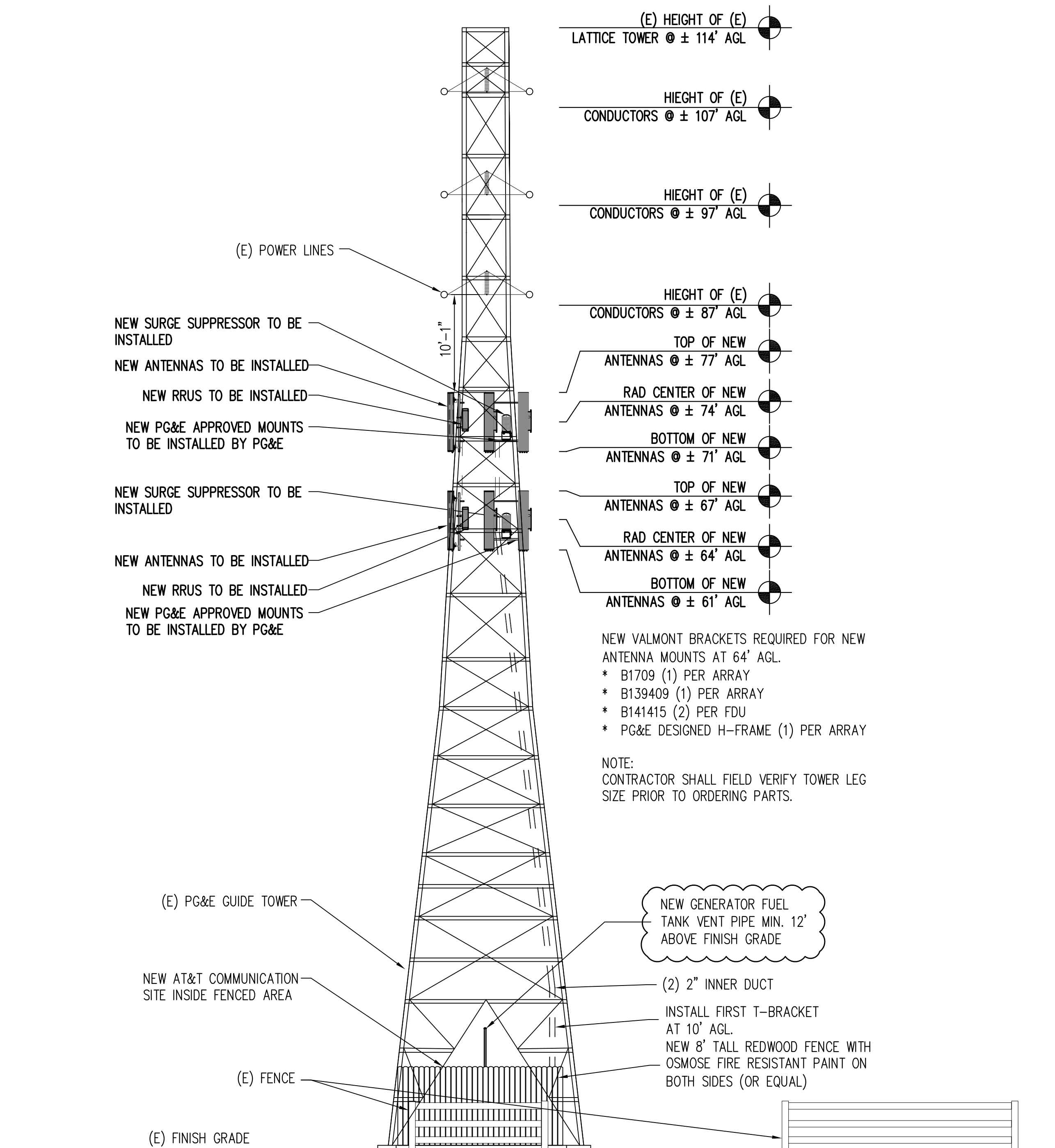
CCL02123 ... AMP

SHEET TITLE:

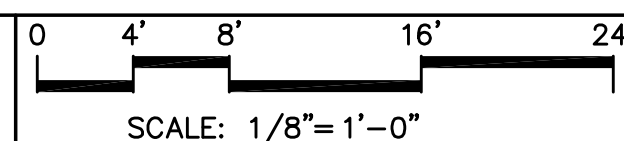
ELEVATIONS

SHEET NUMBER: REVISION:

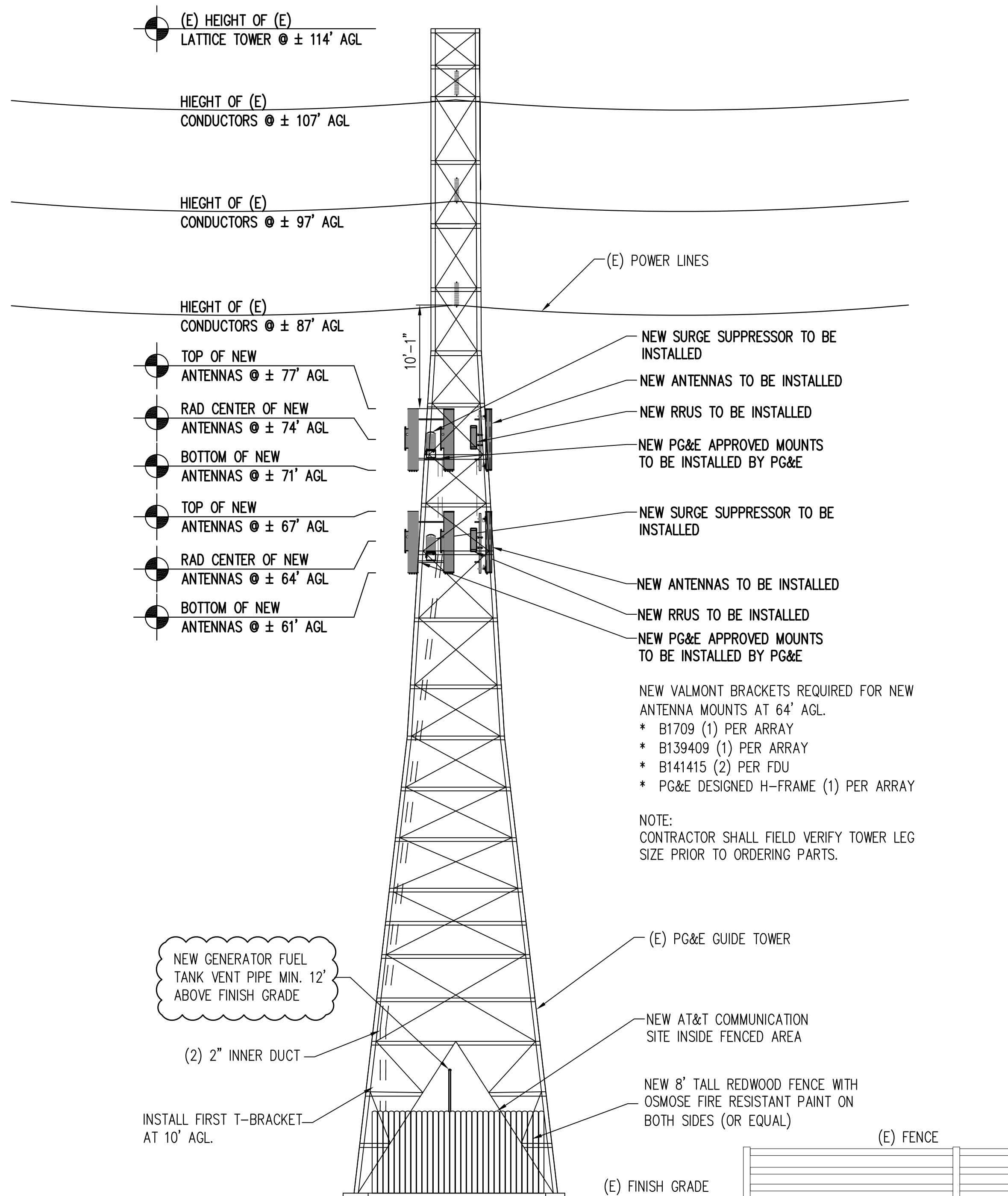
A-2 0



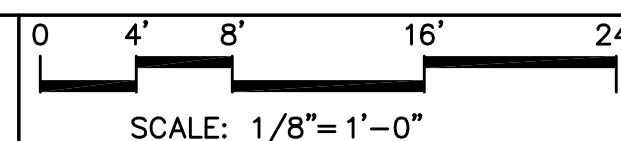
PURPOSED WEST ELEVATION



2



PURPOSED SOUTH ELEVATION



1

FINAL ANTENNA CONFIGURATION:  
(6) PANEL ANTENNAS AND (6) RRU UNITS

NOTE:  
ALL TOWER MOUNTED EQUIPMENT SHALL  
BE PAINTED TO MATCH EXISTING PG&E TOWER

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-CDM 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: 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

COORDINATING ENGINEER:

Peek Site-Com

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

E-Mail info@peeksitcom.com

SEAL:



SITE #: CHK.: DRAWN BY:

CCL02123 ... AMP

SHEET TITLE:

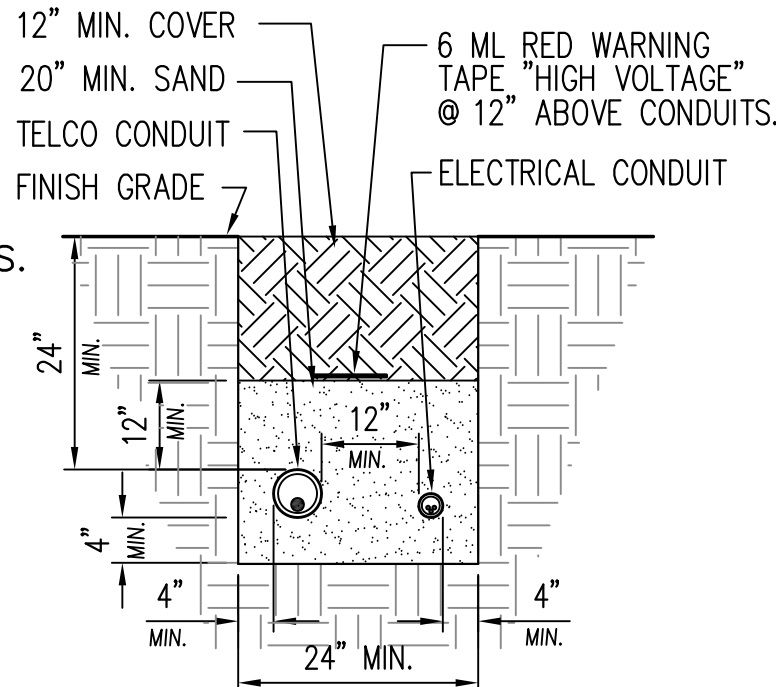
ELEVATIONS

SHEET NUMBER: REVISION:

A-2.1 0

NOTES:

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



UNDERGROUND CONDUITS DETAIL

SCALE: N.T.S.

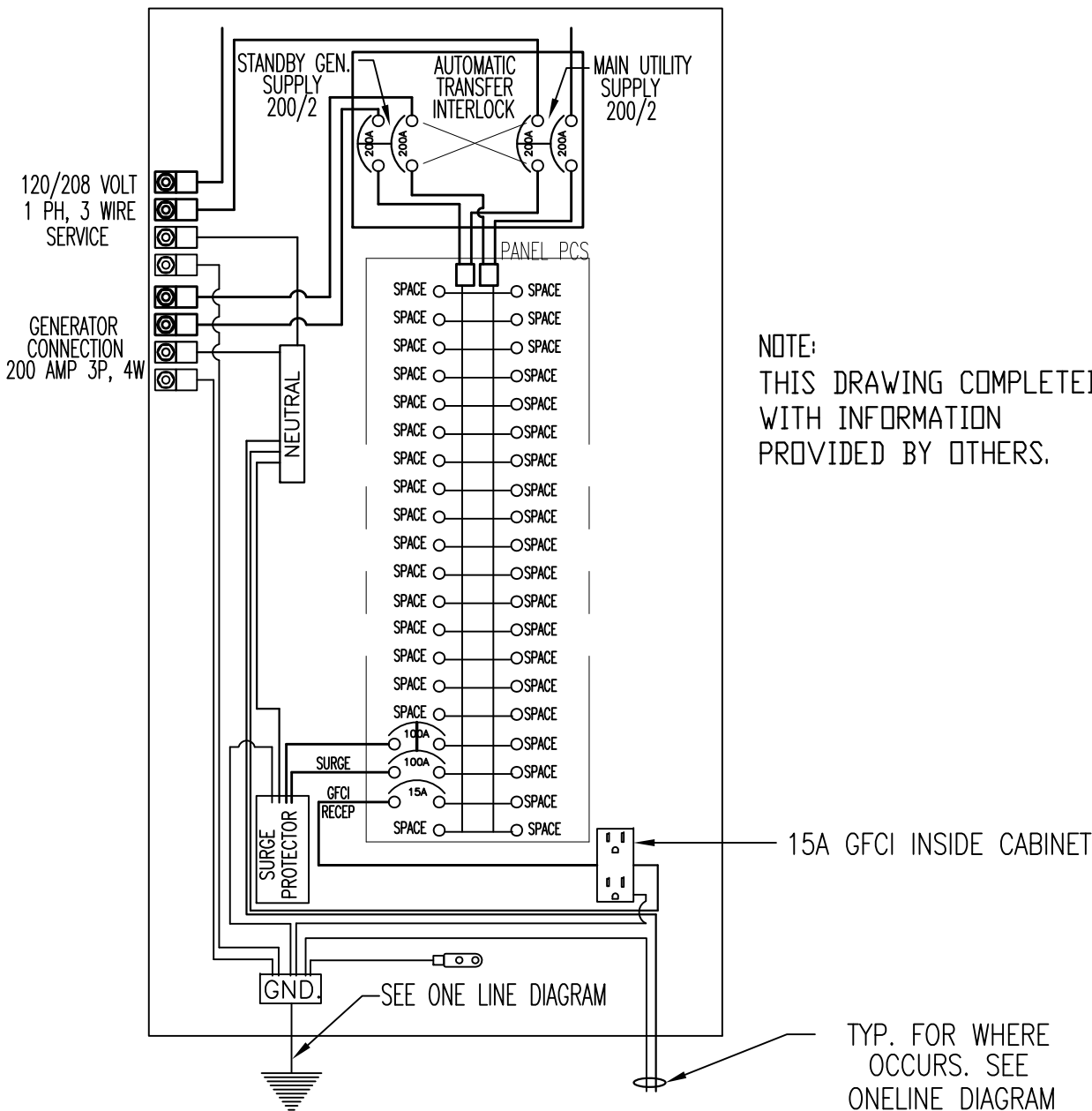
1

LOAD CENTER PANEL SCHEDULE									
PANEL DESIGNATION: ____ 120/240 VOLTS 1 PHASE 3 WIRE SURFACE MTNG: ____X MAIN BUS: ____X WITH SEPARATE GROUND BUS 2P, 200A									
	LOAD DESCRIPTION	ØA	ØB	AMP/POLE	AMP/POLE	ØA	ØB	LOAD DESCRIPTION	NO.
1	SERVICE LIGHT		500	20/1	20/1	500			2
3	EMERSON 512 POWER CABINET SHELF 1	1821		30/2	30/2	1821		EMERSON 512 POWER CABINET SHELF 2	4
5		1821							6
7	EMERSON 512 POWER CABINET SHELF 1	1821		30/2	30/2	1821		EMERSON 512 POWER CABINET SHELF 2	8
9		1821				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
TOTAL CONNECTED (PROPOSED) VA: 17,608 TOTAL CONNECTED (FUTURE) VA: ____ TOTAL CONNECTED (P+F) VA: 17,608 DEMAND FACTOR: 1.0 DEMAND LOAD, VA: 17,608									
(THIS ASSUMES CONTINUOUS VALUES OF 125% OF ACTUAL LOAD FOR ALL: HEATERS, RADIOS, & RECTIFIERS IN BITS UNITS) 17,608 VA / 240 = 73.36 AMPS TOTAL AMPS = 73.36 < 200 AMPS									

PANEL SCHEDULE

SCALE: N.T.S.

2



PPC PANEL DIAGRAM

SCALE: N.T.S.

3

ELECTRICAL LEGEND

- NEW EXISTING
- PANEL BOARD, SURFACE MOUNTED
- DRY TYPE TRANSFORMER
- METER
- 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
- UNLESS OTHERWISE NOTED
- WEATHERPROOF
- GROUND FAULT INTERRUPTER
- A.F.F.
- U.O.N.
- WP
- GFI

ELECTRICAL NOTES

- ALL ELECTRICAL WORK SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN THE NATIONAL ELECTRICAL CODE (NEC) AS WELL AS APPLICABLE STATE AND LOCAL CODES.
- ALL ELECTRICAL ITEMS SHALL BE U.L. APPROVED OR LISTED AND PROCURED PER SPECIFICATION REQUIREMENTS.
- THE ELECTRICAL WORK INCLUDES ALL LABOR AND MATERIAL DESCRIBED BY DRAWINGS AND SPECIFICATION, INCLUDING INCIDENTAL WORK, TO PROVIDE COMPLETE, OPERATING AND APPROVED ELECTRICAL SYSTEM.
- CONTRACTOR SHALL PAY FEES FOR PERMITS, AND BE RESPONSIBLE FOR OBTAINING SAID PERMITS AND COORDINATION OF INSPECTIONS.
- ELECTRICAL AND TELCO WIRING INSIDE A BUILDING SHALL RUN IN EMT OR SCHEDULE 40 PVC, PER PLAN. (AS PERMITTED BY CODE)
- 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.
- BURIED CONDUIT SHALL BE SCHEDULE 40 PVC, U.O.N.
- ELECTRICAL WIRING SHALL BE COPPER WITH TYPE XHHW, THWN, OR THHN INSULATION, (PER PLAN).
- 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.
- 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.
- 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.
- ALL EQUIPMENT SHALL HAVE NEMA 3R ENCLOSURE.
- WHERE APPLICABLE, POWER PEDESTAL IS SUPPLIED BY WIRELESS CARRIER
- CALL U.S.A. 1-800-642-2444 24 HOURS PRIOR TO COMMENCING ELECTRICAL OR TELCO WORK.
- CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANY FOR FINAL AND EXACT WORK/MATERIALS REQ. AND CONSTRUCT TO UTILITY COMPANY ENGINEERING PLAN AND SPECIFICATIONS ONLY.
- 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

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

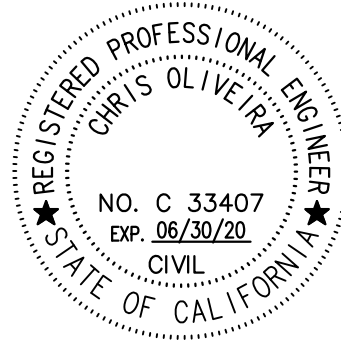
COORDINATING ENGINEER:

Peek Site-Com

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

E-Mail info@peeksitcom.com

SEAL:



SITE #: CHK.: DRAWN BY:

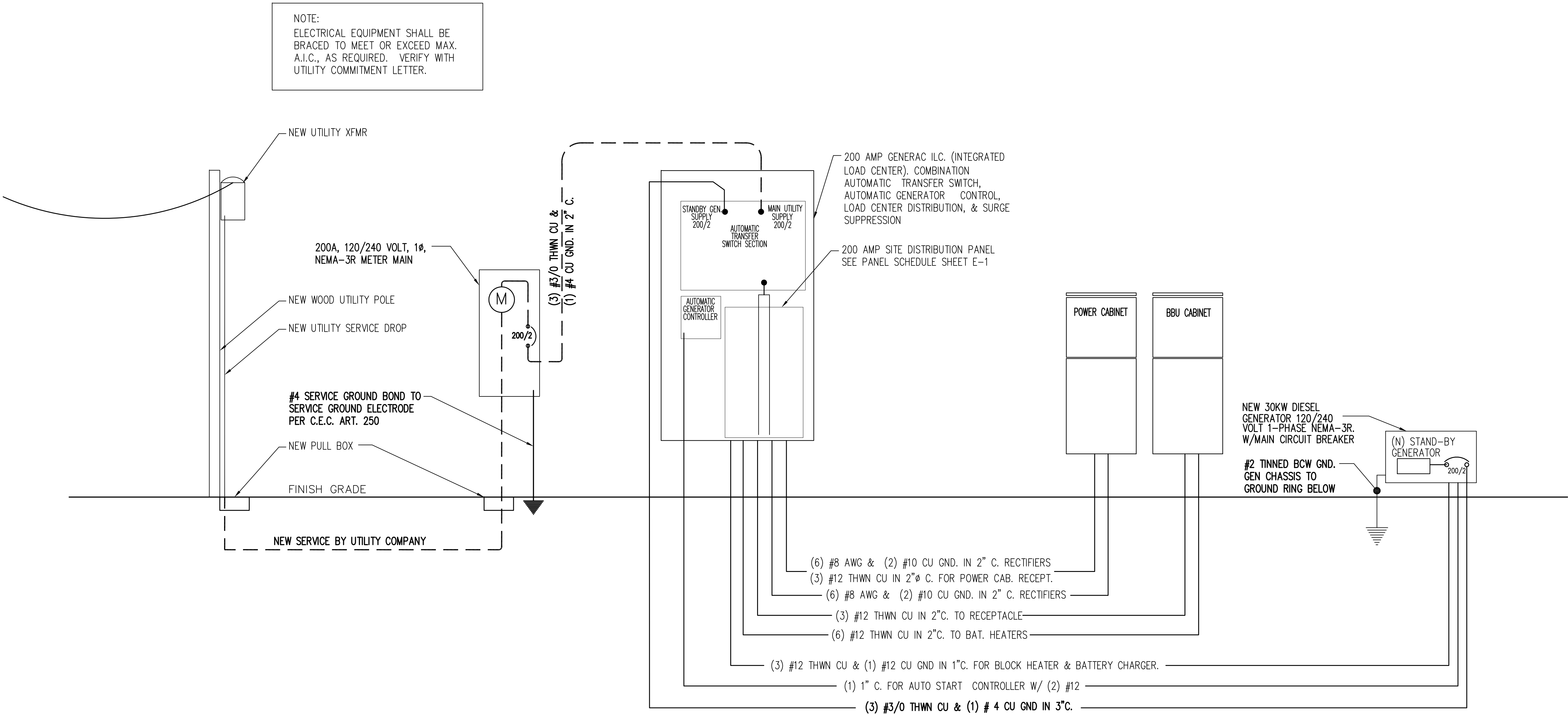
CCL02123	...	AMP
----------	-----	-----

SHEET TITLE:

ELECTRICAL SHEET

SHEET NUMBER: REVISION:

E-1 0



ONE LINE DIAGRAM

SCALE: N.T.S.

1

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: 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

COORDINATING ENGINEER:

*Peek Site-Com*

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

E-Mail info@peeksitcom.com

SEAL:



SITE #: CHK.: DRAWN BY:

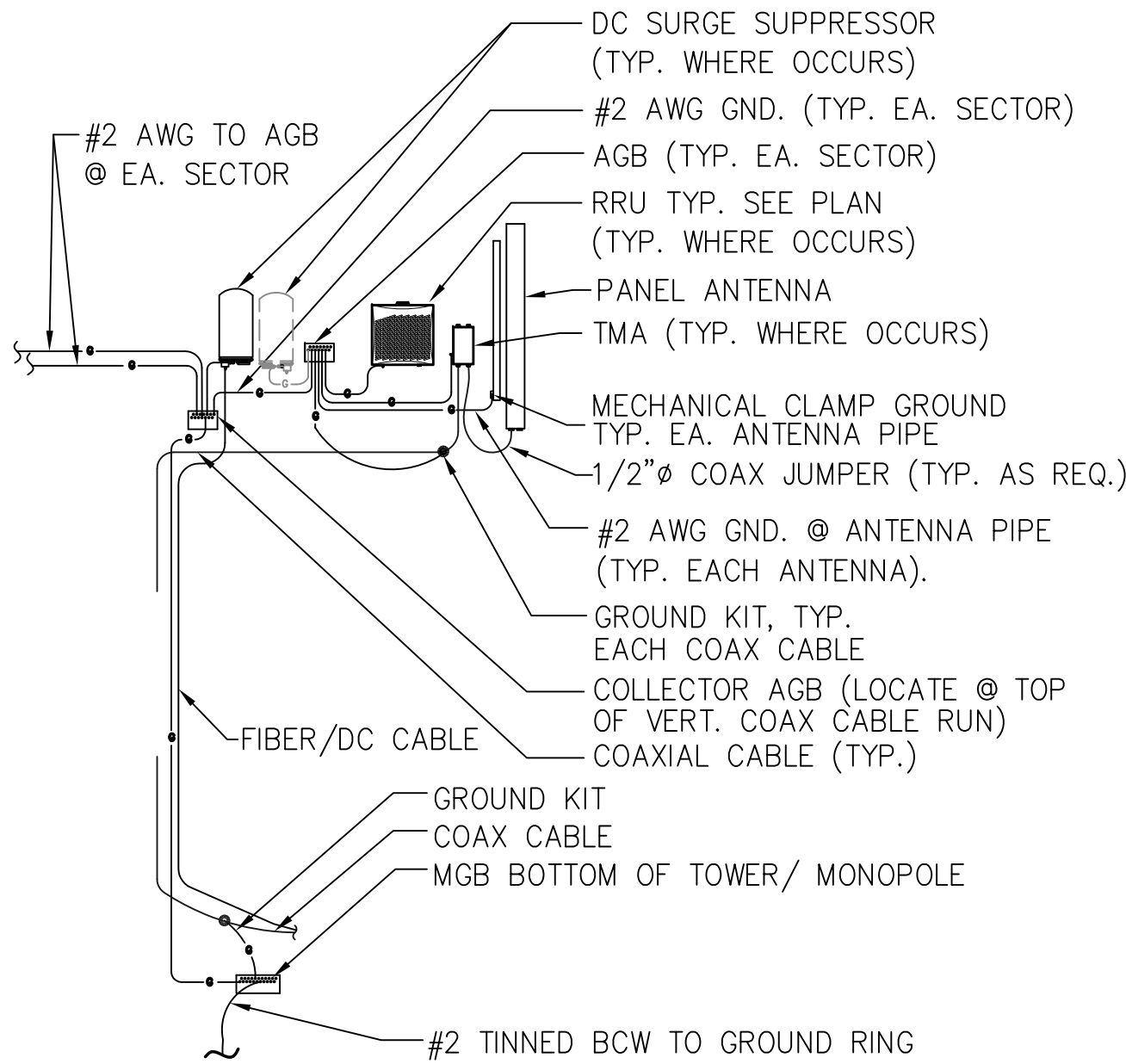
CCL02123 ... AMP

SHEET TITLE:

ELECTRICAL DIAGRAM

SHEET NUMBER: REVISION:

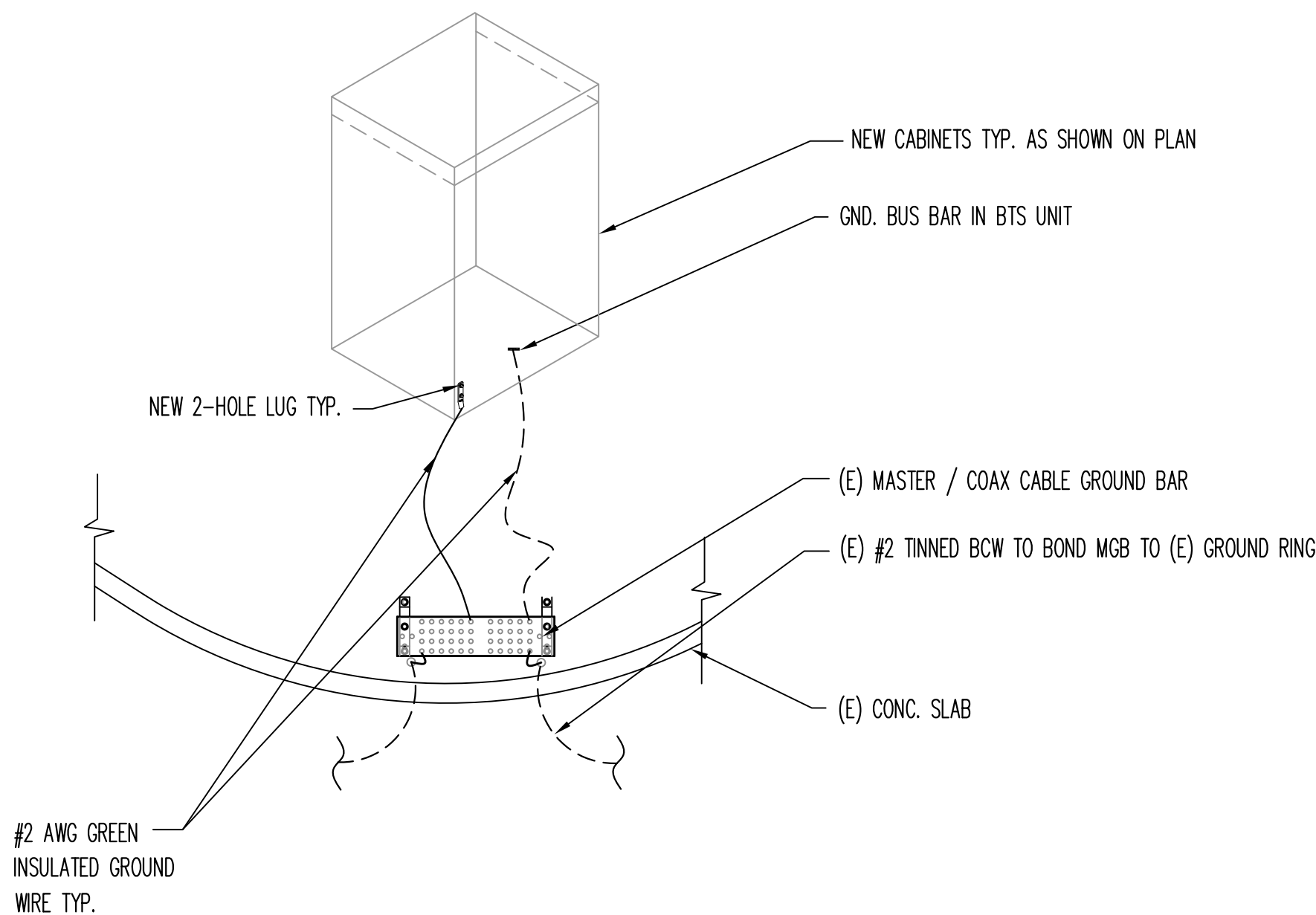
E-1.1 0



ANTENNA RISER DIAGRAM

SCALE: N.T.S.

1



EQUIPMENT GROUNDING DIAGRAM

SCALE: N.T.S.

2

GROUNDING NOTES

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

GROUNDING LEGEND

- TYP. #2 TINNED BCW (BARE COPPER WIRE) U.G. GROUND RING @ MIN. 18" BELOW FINISH GRADE, OR 6" BELOW LOCAL FROST LINE WHICHEVER IS DEEPER.
- TYP. #2 TINNED BCW DOWN LEAD
- TYP. CADWELD CONNECTION.
- TYP. FINAL DOUBLE CRIMPED CONNECTIONS TO INTERIOR HALO RING ONLY
- TYP. TWO HOLE LONG BARREL COMPRESSION LUG, TWO (2) 5/16" DIA. BOLTS, & STAR LOCK WASHERS.
- 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.

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: 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

COORDINATING ENGINEER:

Peek Site-Com

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

SEAL:



SITE #: CHK.: DRAWN BY:

CCL02123 ... AMP

SHEET TITLE:

GROUNDING SHEET

SHEET NUMBER: REVISION:

E-2 0

High Voltage Transmission Tower Cell Site Datasheet

Site Information

Company: AT&T  
Site name: Gilroy Site number: ATT-CCL09814  
Site address: 999 Melchoir Ct, Gilroy, CA  
PG&E Contact: Steve Maddix Phone: (925) 866-5410

Soil Data

Soil Model:	Horizontal 4 layer		
	Top Layer	14.5 Ohm-meters	1.8 Feet
	Middle 1	35.0 Ohm-meters	5.8 Feet
	Middle 2	39.0 Ohm-meters	11.2 Feet
	Bottom	12.3 Ohm-meters	Infinite thickness

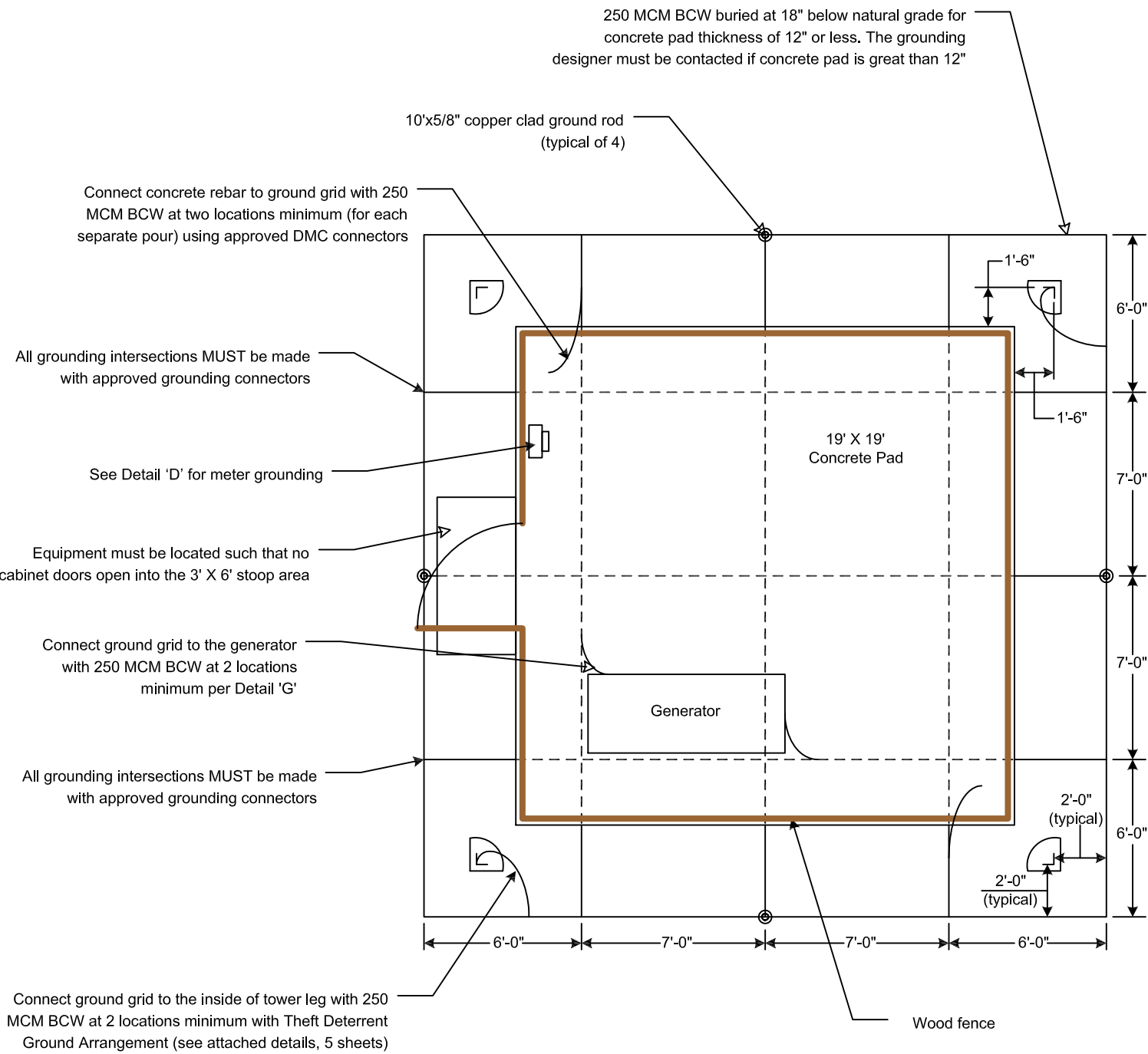
GPR Information

Grid Area	676 Ft2
Grid Resistance	1.1 Ohms
Ground Fault Duty	9,085 Amps RMS
X/R Ratio	6.5
Voltage (Line-Line)	115 kV RMS
DC Offset	1.62
GPR RMS	10,390 Volts RMS
GPR Peak Symmetrical	14,693 Volts (Peak Symmetrical)
GPR Peak with DC Offset	23,775 Volts (Peak Asymmetrical)

Steve Maddix  
PG&E Representative

6/6/2019  
Date

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



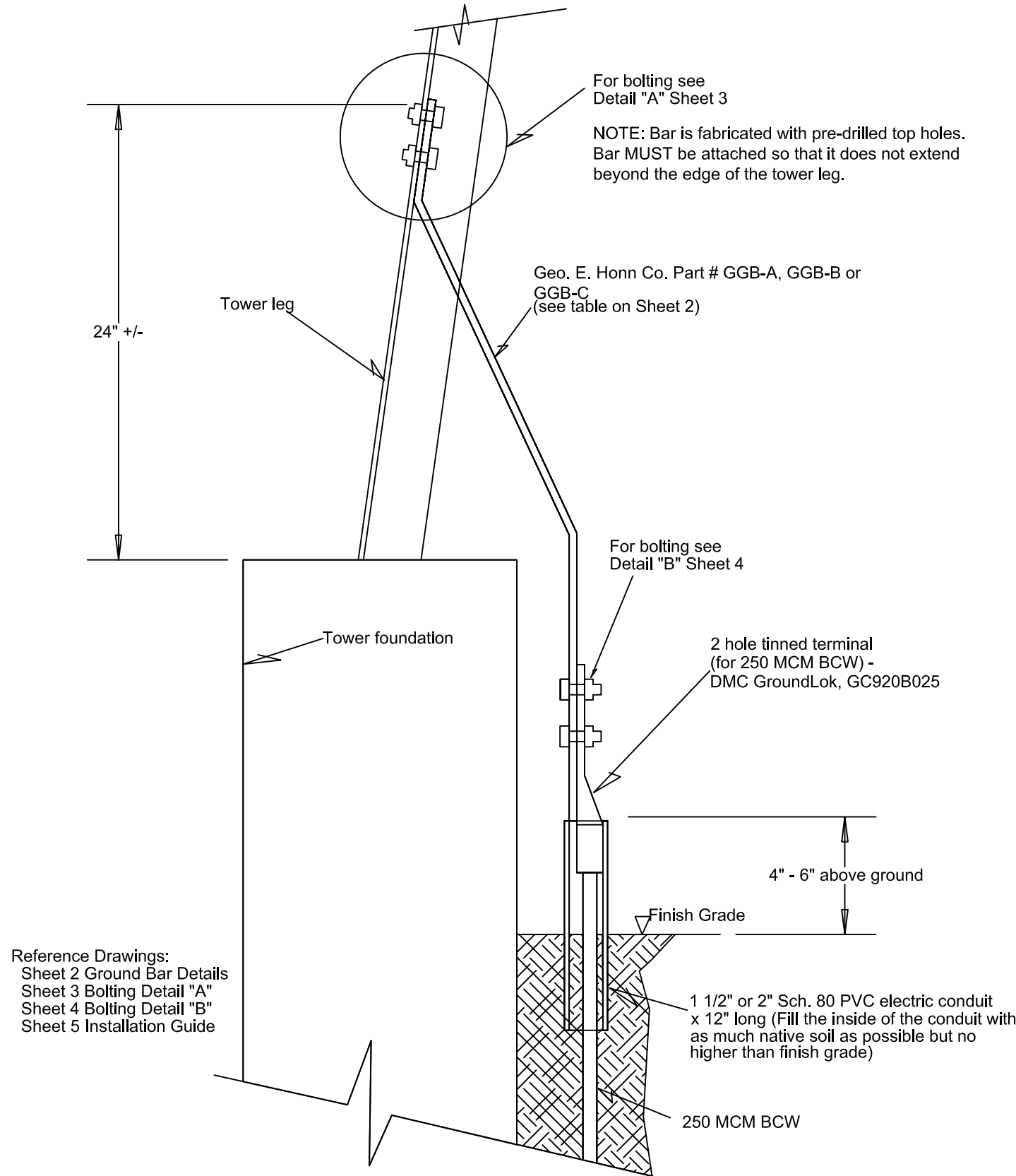
Carrier: AT&T Title: Gilroy Site No.: ATT-CCL09814 Co-Location: None Line Name: Morgan Hill - Llagas / Green Valley - Llagas, 115 kV Tower No.: 16/98 Tower SAP No.: 40861656 Designed By: Steve Maddix Phone: 925-866-5410	PG&E Proj Mgr: Wes Deane Phone: 925-586-5957	DWG NO ATT-CCL09814	REV 0
From Drawings Dated: 5/6/2019 Issue Date: 6/6/2019		SHEET 1 of 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.

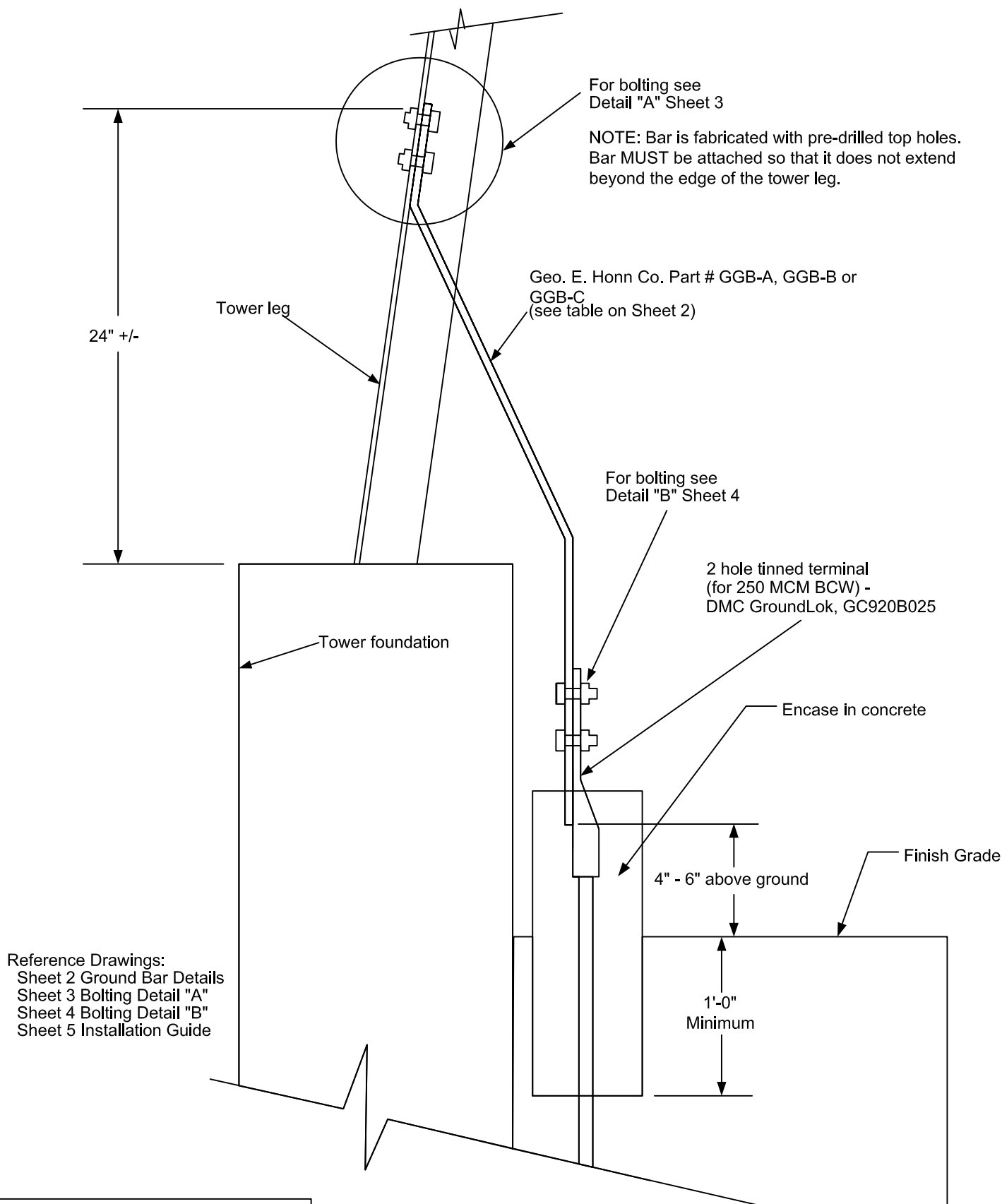
REQUIRED DESIGN DETAILS:

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 Arrangement.
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.
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 come into contact with tower until the final connection is ready to be made.
12. Concrete pad size or any dimension stated on sheet 1 can not be changed without prior authorization from the grounding designer.

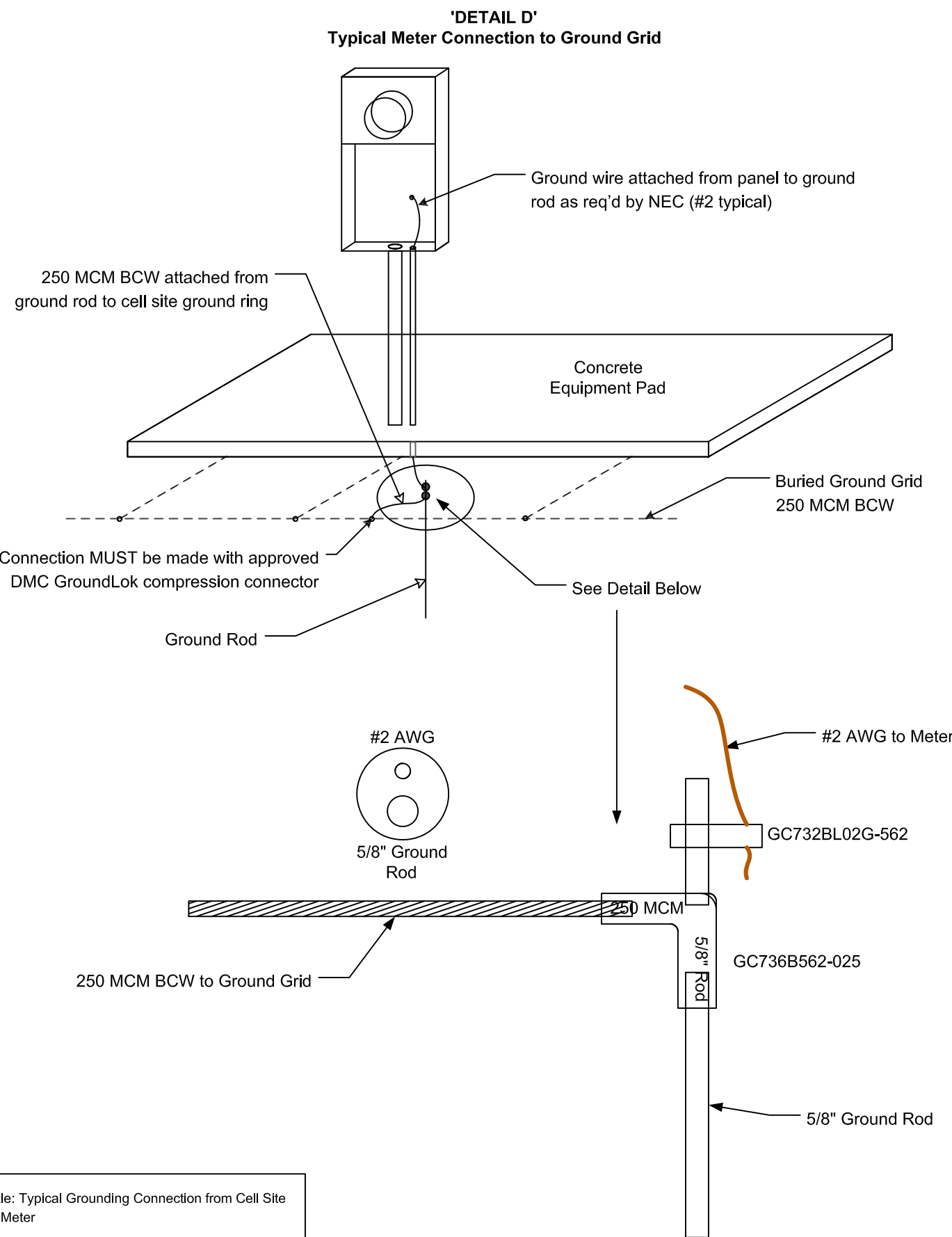
Carrier: AT&T Title: Gilroy Site No.: ATT-CCL09814 Co-Location: None Line Name: Morgan Hill - Llagas / Green Valley - Llagas, 115 kV Tower No.: 16/98 Tower SAP No.: 40861656 Designed By: Steve Maddix Phone: 925-866-5410	PG&E Proj Mgr: Wes Deane Phone: 925-586-5957	DWG NO ATT-CCL09814	REV 0
From Drawings Dated: 5/6/2019 Issue Date: 6/6/2019		SHEET 2 of 2	



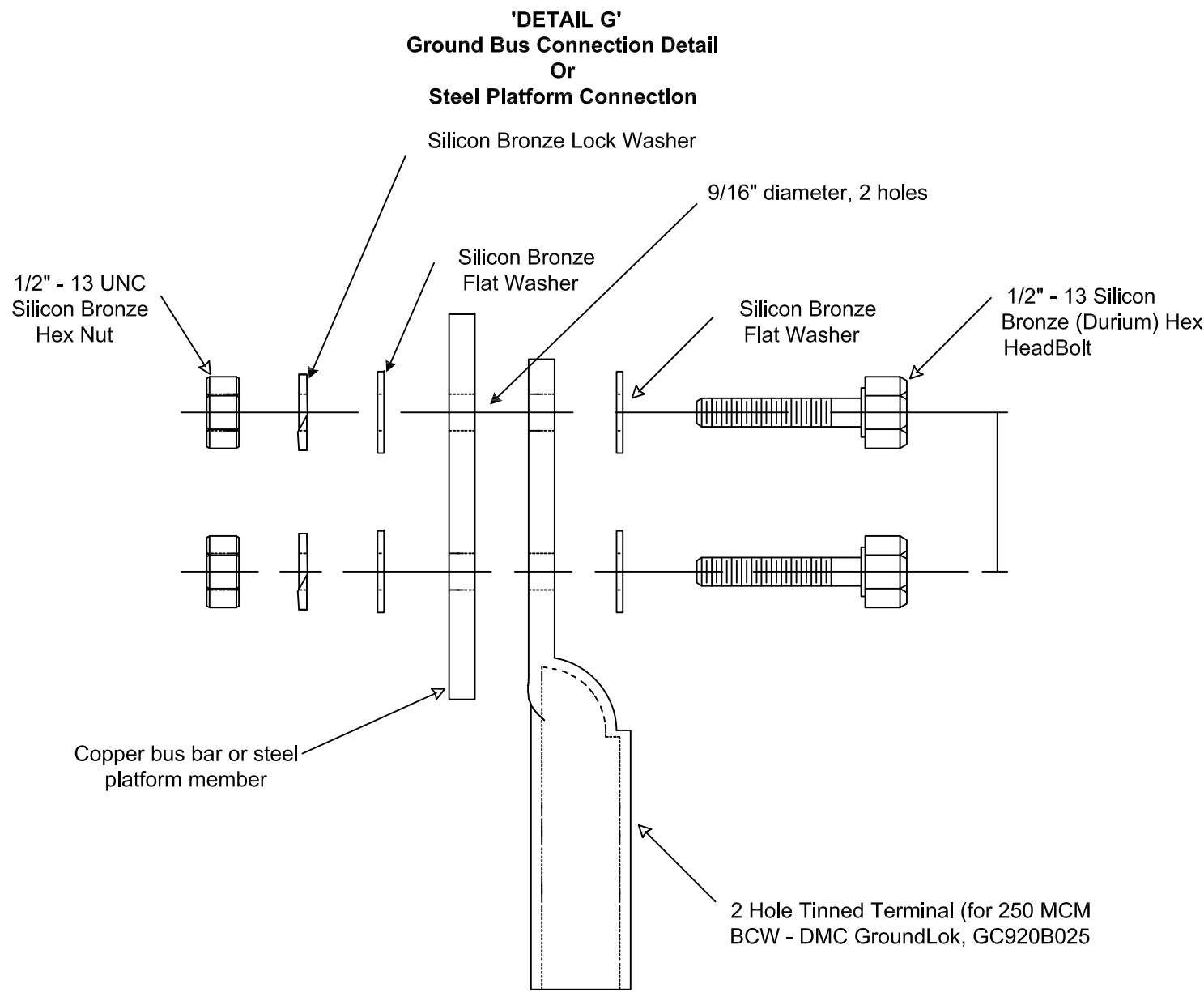
Title: Theft Deterrent Tower Ground Arrangement	SIZE	Revision Date: 7/29/09	DWG NO	REV 5
Drawn By: Bill DeHart Revision Drawn By: Steve Maddix Approved By: Marcia Eblen	0			
SCALE none	SHEET 1 of 5			



Title: Theft Deterrent Tower Ground Arrangement	SIZE	Revision Date: 7/29/09	DWG NO	REV 5
Drawn By: Bill DeHart Revision Drawn By: Steve Maddix Approved By: Marcia Eblen	0			
SCALE none	SHEET 1 of 5			



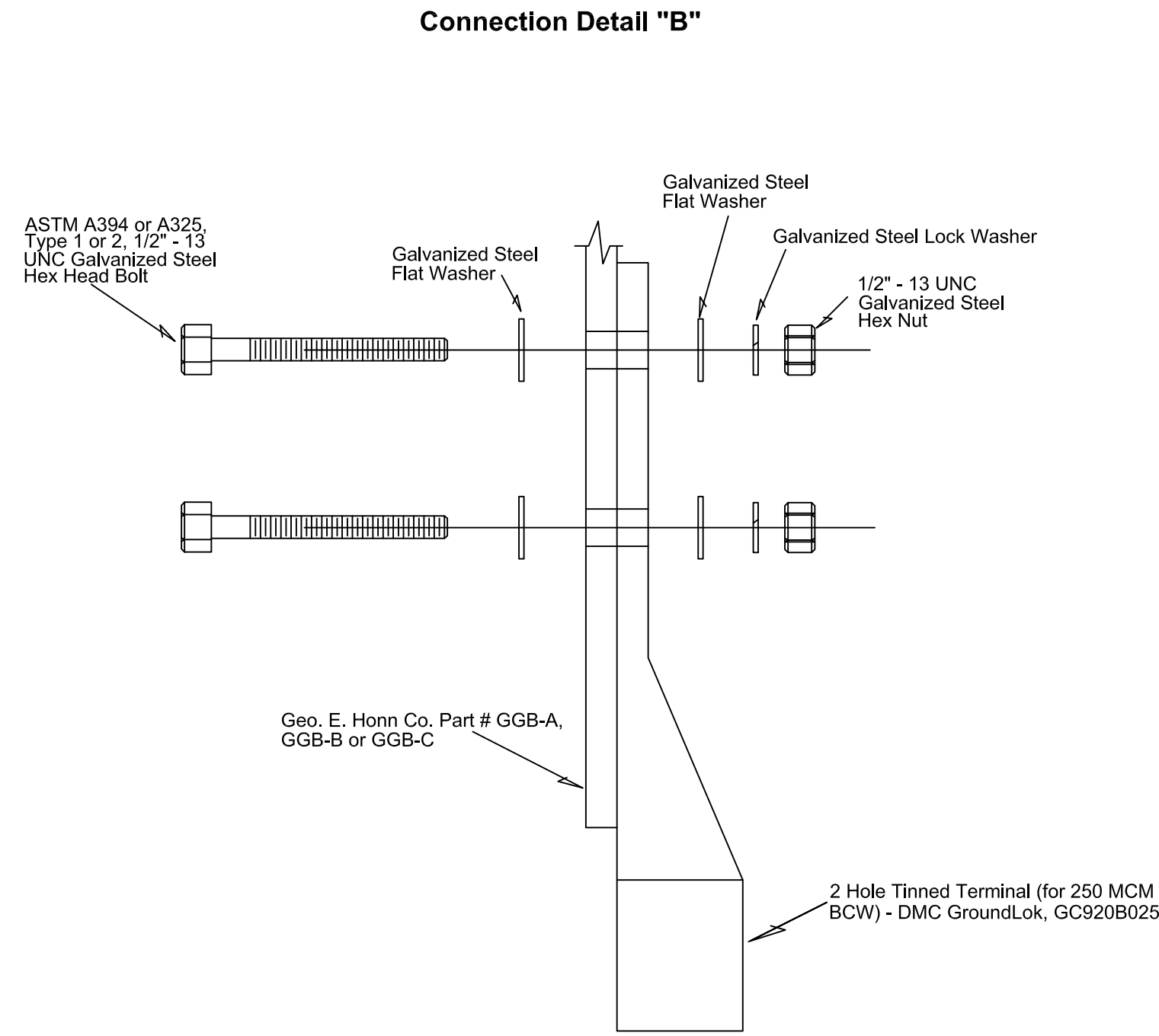
Title: Typical Grounding Connection from Cell Site to Meter	SIZE	Revision Date: 8/4/2011	DWG NO	REV 3
Drawn By: Steve Maddix Approved By: Marcia Eblen, PE	0			
SCALE none	SHEET 1 of 1			



**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.

Title:Ground Bus or Steel Platform Connection				
Drawn By: Greg Chang	SIZE	Revision Date: 7/19/05	DWG NO Ground Bus Connection - Detail 'G'	REV 2
Approved by: Marcia Eblen, PE	SCALE	Not To Scale	SHEET	1 of 1



Reference Drawings:  
Sheet 1 Arrangement  
Sheet 2 Ground Bar Details  
Sheet 3 Bolting Detail "A"  
Sheet 5 Installation Guide

**Notes:**

1. Coat any cut or drilled surfaces with cold galvanizing compound.
2. Clean area on flat bar where connector is to be bolted with a wire brush. Use Penetrox "A" or equivalent as a coating between connector and tower leg.
3. All bolting material per ASTM A 394 or A325, Type 1 or 2. Bolts to be torqued to 480 in/lbs.
4. After installation and torquing, center punch the bolt threads in at least one location at the Hex Nut interface.

Title: Theft Deterrent Tower Ground Bolting Detail 'B'				
Drawn By: Bill DeHart Revision Drawn By: Steve Maddix	SIZE 0	Revision Date: 7/29/09	DWG NO	REV 3
Approved By: Marcia Eblen	SCALE	none	SHEET	4 of 5

**Installation Guide**

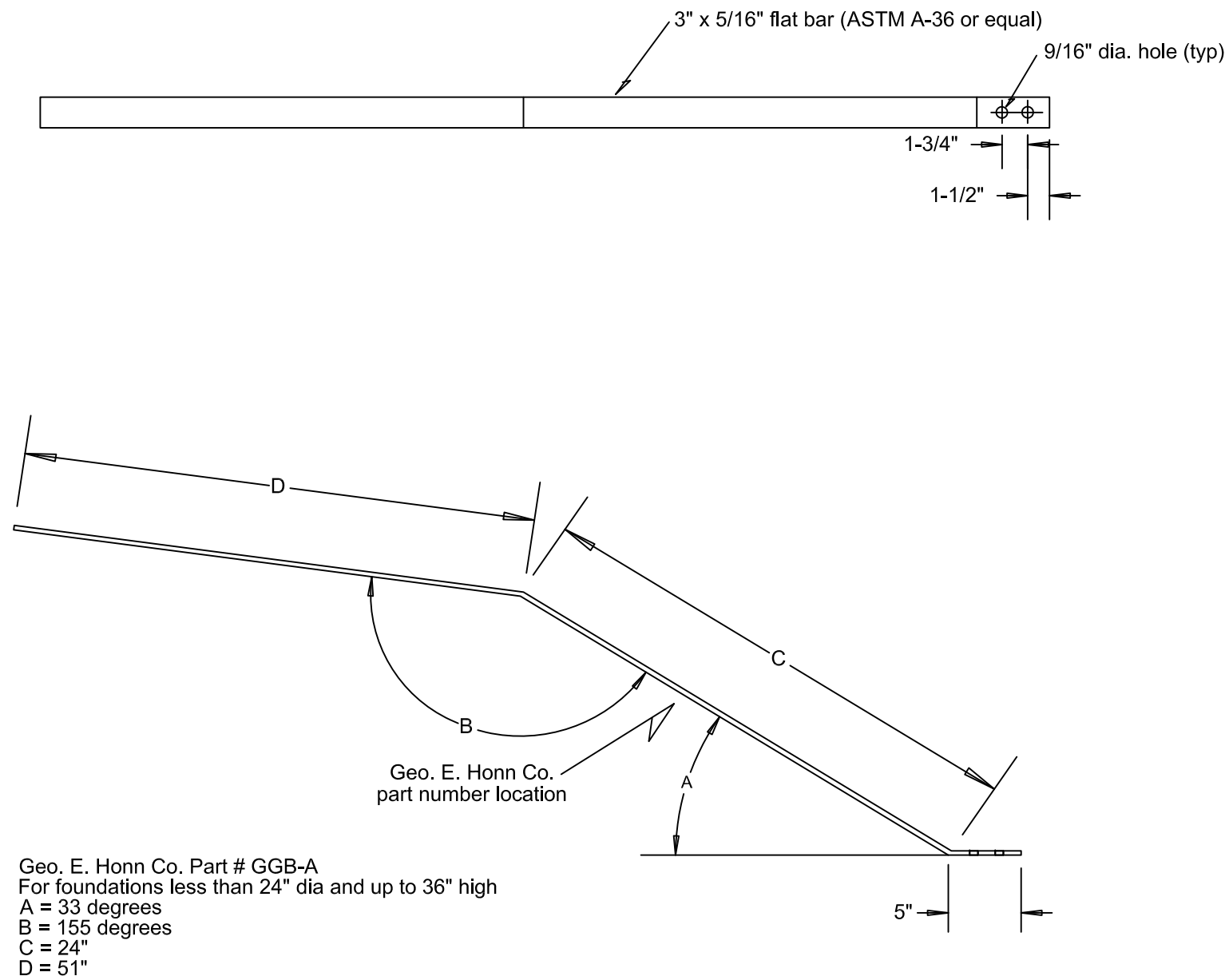
1. Select connection bar that best fits site conditions (Geo. E. Honn Co. Part # GGB-A,GGB-B or GGB-C). Use table on Sheet 2 as a guide.
2. Install with pre-drilled holes at top. Fit bar to tower leg per arrangement on Sheet 1. If bar needs to be cut to fit, cut from bottom.
3. Slip 1 1/2" or 2" Sch. 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 Installation Guide				
Drawn By: Bill DeHart Revision Drawn By: Steve Maddix	SIZE 0	Revision Date: 7/29/09	DWG NO	REV 5
Approved By: Marcia Eblen	SCALE	none	SHEET	5 of 5



Geo. E. Honn Co. Part # GGB-A  
For foundations less than 24" dia and up to 36" high  
A = 33 degrees  
B = 155 degrees  
C = 24"  
D = 51"

Geo. E. Honn Co. Part # GGB-B  
For foundations 24" to 36" dia. and up to 36" high  
A = 42 degrees  
B = 146 degrees  
C = 26"  
D = 49"

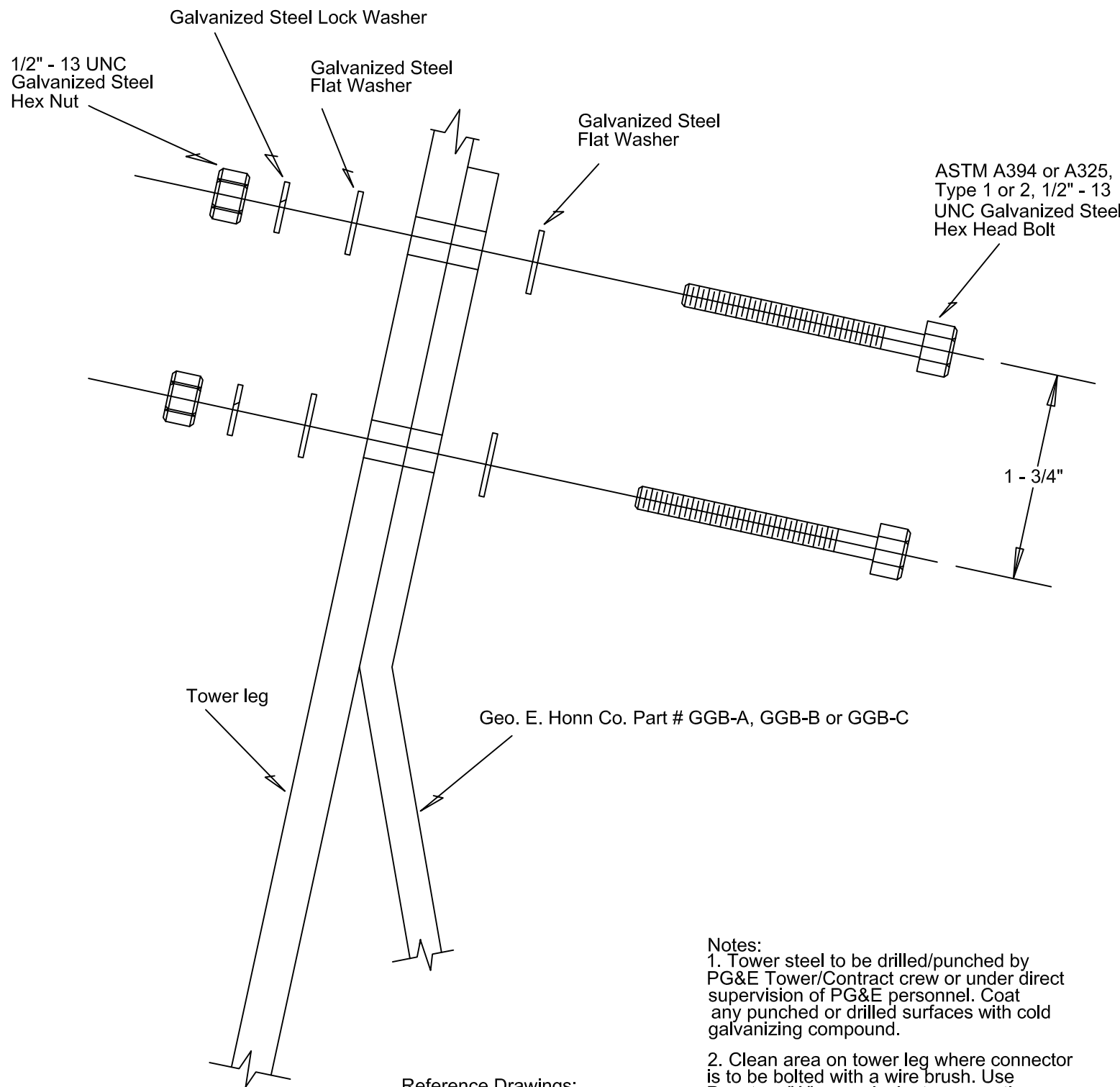
Geo. E. Honn Co. Part # GGB-C  
Alternate for foundations 24" to 36" dia. and up to 36" high  
A = 45 degrees  
B = 147 degrees  
C = 28"  
D = 47"

Reference Drawings:  
Sheet 1 Arrangement  
Sheet 3 Bolting Detail "A"  
Sheet 4 Bolting Detail "B"  
Sheet 5 Installation Guide

Note: Hot dip galvanize after fabrication

Title: Theft Deterrent Tower Ground Bar Details				
Drawn By: Bill DeHart Revision Drawn By: Steve Maddix	SIZE 0	Revision Date: 7/29/09	DWG NO	REV 2
Approved By: Marcia Eblen	SCALE	none	SHEET	2 of 5

**Connection Detail "A"**



- Notes:**
1. Tower steel to be drilled/punched by PG&E Tower/Contract crew or under direct supervision of PG&E personnel. Coat any punched or drilled surfaces with cold galvanizing compound.
  2. Clean area on tower leg where connector is to be bolted with a wire brush. Use Penetrox "A" or equivalent as a coating between connector and tower leg.
  3. All bolting material per ASTM A 394 or A325, Type 1 or 2. Bolts to be torqued to 480 in/lbs.
  4. After torquing, 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 4 Bolting Detail "B"  
Sheet 5 Installation Guide

Title: Theft Deterrent Tower Ground Bolting Detail 'A'				
Drawn By: Bill DeHart Revision Drawn By: Steve Maddix	SIZE 0	Revision Date: 7/29/09	DWG NO	REV 2
Approved By: Marcia Eblen	SCALE	none	SHEET	3 of 5

**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: 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

COORDINATING ENGINEER:

**Peek Site-Com**

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

E-Mail info@peeksitecom.com

SEAL:



SITE #: CHK.: DRAWN BY:

CCL02123	...	AMP
----------	-----	-----

SHEET TITLE:

**PG&E GROUNDING**

SHEET NUMBER: REVISION:

E-2.2

0