



at&t

AT&T SITE NUMBER: CCL05091
AT&T SITE NAME: VASCO RD &
VINEYARDS PKWY

INITIATIVE / PROJECT: NSB
USID#: 300471
FA LOCATION CODE: 11621919
RFDS ID #: 4374529
RFDS VERSION: 6.00
RFDS DATE: 08/28/2023
PACE JOB#: MRSFR050534
PTN#: 3701A0HK3P

BRENTWOOD, CA 94513
JURISDICTION: CITY OF BRENTWOOD
APN: 010-050-002-4

PG&E SAP #: 40669303
PG&E LINE NAME & VOLTAGE:
BRENTWOOD-KELSO, 230 KV
PG&E TOWER #: 004/022

SITE TYPE: OUTDOOR EQUIPMENT
CABINETS / PG&E LATTICE TOWER

PROJECT DESCRIPTION

- A (N) AT&T UNMANNED TELECOMMUNICATION FACILITY CONSISTING OF INSTALLING:
- (N) EQUIPMENT LICENSE AREA BELOW (E) PG&E LATTICE TOWER W/ (N) GROUND MOUNTED EQUIPMENT CABINETS & (N) DIESEL GENERATOR & (N) UTILITIES TO (N) SITE LOCATION.
 - (N) TOWER TOP EXTENSION
 - (N) PG&E CLIMBING LADDER
 - (3) (N) PG&E APPROVED 3'-0" H-FRAMES ABOVE CONDUCTORS
 - (6) (N) ANTENNAS ABOVE CONDUCTORS
 - (6) (N) RADIOS @ ANTENNAS ABOVE CONDUCTORS
 - (1) (N) DC9 SURGE SUPPRESSOR @ ANTENNAS ABOVE CONDUCTORS
 - (1) (N) FIBER TRUNK CABLE & (3) (N) DC POWER TRUNK CABLES TO ANTENNAS ABOVE CONDUCTORS

- (12) (N) ½" COAX JUMPERS FROM RADIOS BELOW CONDUCTORS TO ANTENNAS ABOVE CONDUCTORS
 - (3) (N) PG&E APPROVED 3'-0" H-FRAME BELOW CONDUCTORS
 - (6) (N) ANTENNAS BELOW CONDUCTORS
 - (6) (N) RADIOS @ ANTENNAS BELOW CONDUCTORS
 - (2) (N) DC9 SURGE SUPPRESSORS @ ANTENNAS BELOW CONDUCTORS
 - (2) (N) FIBER TRUNK CABLES & (6) (N) DC POWER TRUNK CABLES TO ANTENNAS BELOW CONDUCTORS
 - PERFORMING WEED & SHRUB MITIGATION TO BARE EARTH INSIDE TOWER FOOTPRINT & UP TO 15'-0" OUTSIDE TOWER FOOTPRINT WHERE PERMISSIBLE

PROJECT INFORMATION

SITE NAME:	VASCO RD & VINEYARDS PKWY	SITE ACQUISITION COMPANY:	COMPLETE WIRELESS CONSULTING 2009 V STREET SACRAMENTO, CA 95818
SITE #:	CCL05091		
COUNTY:	CONTRA COSTA	LEASING CONTACT:	ATTN: KIM LE (916) 747-2314 KLE@COMPLETEWIRELESS.NET
JURISDICTION:	CITY OF BRENTWOOD		
APN:	010-050-002-4	ZONING CONTACT:	ATTN: MATT MOORE (916) 247-3047 MMOORE@COMPLETEWIRELESS.NET
SITE ADDRESS:	BRENTWOOD, CA 94513		
CURRENT ZONING:	PD-64A	CONSTRUCTION CONTACT:	BECHTEL KEITH CONNER (408) 306-3801 GKCONNER@BECHTEL.COM
CONSTRUCTION TYPE:	V-B		
OCCUPANCY TYPE:	U, (UNMANNED COMMUNICATIONS FACILITY)	POWER:	PG&E
PROPERTY/TOWER OWNER:	PACIFIC GAS & ELECTRIC COMPANY 245 MARKET STREET MAIL CODE N10D SAN FRANCISCO, CA 94105 ATTN: SEAN KENNEDY (925) 786-3375 SEK1@PG&E.COM PG&E LINE #: 004/022 PG&E SAP #: 40669303 PG&E LINE NAME: BRENTWOOD-KELSO, 230 KV	LATITUDE:	N 37° 54' 12.40" NAD 83 N 37.903444° NAD 83
		LONGITUDE:	W 121° 43' 17.57" NAD 83 W -121.721547° NAD 83
		GROUND ELEVATION:	135' AMSL
		APPLICANT:	AT&T MOBILITY 5001 EXECUTIVE PARKWAY SAN RAMON, CA 94583

DESIGN CRITERIA

RISK CATEGORY: II	ROOF LIVE LOAD: N/A	FLOOR LIVE LOAD: N/A	ALLOW SOIL BEARING: N/A
WIND EXPOSURE: C	DESIGN WIND SPEED: 93 MPH	GROUND ELEVATION: 135'	TOPOGRAPHIC CATEGORY: I
SEISMIC SITE CLASS: D	SEISMIC DESIGN CATEGORY: D	SEISMIC COMPONENT I _p : 1.0	q _p : 1.0 R _p : 2.5
S _D s: 1.212	S _p f: N/A	S _s : 1.514	S _f : 0.53

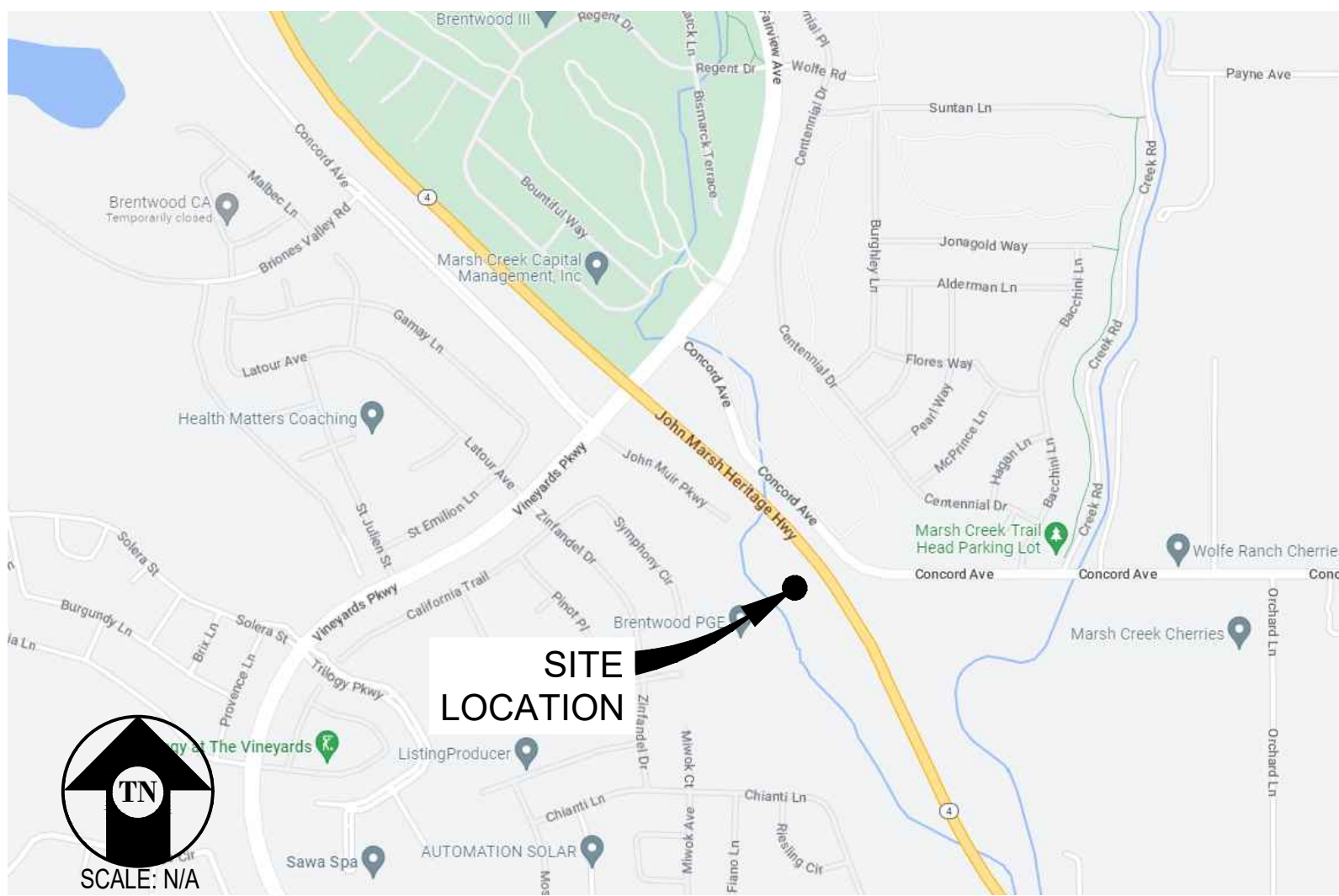
TESTS AND SPECIAL INSPECTIONS

STREAMLINE ENGINEERING & DESIGN, INC. DOES NOT REQUIRE ANY STRUCTURAL OBSERVATION OR SPECIAL INSPECTION OF ANY STRUCTURAL COMPONENT ABOVE & BEYOND WHAT IS LISTED BELOW UNLESS OTHERWISE REQUIRED BY JURISDICTION.

PROVIDE COMPLETE TESTING AND INSPECTIONS IN ACCORDANCE WITH THE CBC, CHAPTER 17 AS NOTED BELOW:

1. POST INSTALLED ANCHORS IN ACCORDANCE WITH CURRENT ICC REPORTS FOR THE SPECIFIED ANCHORAGES.

VICINITY MAP



DRIVING DIRECTIONS

FROM: 5001 EXECUTIVE PARKWAY, SAN RAMON, CA 94583
TO: BRENTWOOD, CA 94513

1. MERGE ONTO I-680 SOUTH FROM BOLLINGER CANYON ROAD
2. TAKE EXIT 30A ONTO I-580 EAST
3. TAKE EXIT 55 AND TURN RIGHT ONTO NORTH VASCO ROAD
4. CONTINUE ON NORTH VASCO ROAD
5. TURN LEFT ONTO MARSH CREEK ROAD
6. TURN RIGHT ONTO VINEYARDS PARKWAY
7. TURN RIGHT ONTO JOHN MUIR PARKWAY
TURN RIGHT ONTO SITE ACCESS ROAD

END AT: BRENTWOOD, CA 94513

ESTIMATED TIME: 1 HOUR 1 MINUTES ESTIMATED DISTANCE: 36.7 MILES

RECEIVED

February 2, 2024

CITY OF BRENTWOOD
COMMUNITY DEVELOPMENT DEPT

CODE COMPLIANCE

ALL WORK & MATERIALS SHALL BE PERFORMED & 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:

- 2022 CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
2022 CALIFORNIA BUILDING CODE (CBC), PART 2, VOLUME 1&2, TITLE 24 C.C.R.
(2021 INTERNATIONAL BUILDING CODE AND 2022 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
(2020 NATIONAL ELECTRICAL CODE AND 2022 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R.
(2021 UNIFORM MECHANICAL CODE AND 2022 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
(2021 UNIFORM PLUMBING CODE AND 2022 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R.
2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.
(2021 INTERNATIONAL FIRE CODE AND 2022 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24 C.C.R.
2022 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
ANSI/EIA-TIA-222-H

ALONG WITH ANY OTHER APPLICABLE LOCAL & STATE LAWS AND REGULATIONS

DISABLED ACCESS REQUIREMENTS

THIS FACILITY IS UNMANNED & NOT FOR HUMAN HABITATION. DISABLED ACCESS & REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH CALIFORNIA STATE BUILDING CODE, TITLE 24 PART 2, SECTION 11B-203.5

SHEET INDEX

SHEET	DESCRIPTION	REV	SHEET	DESCRIPTION	REV
T-1.1	TITLE SHEET	—	E-1.0	GENERAL ELECTRICAL NOTES	—
T-1.2	GENERAL NOTES	—	E-1.1	ELECTRICAL PLAN	—
T-1.3	PRIVATE UTILITY LOCATE	—	G-1.1	PG&E GROUND GRID DESIGN	—
T-1.4	SIGNAGE DETAILS	—	G-1.2	PG&E GROUND GRID DESIGN	—
T-1.5	BATTERY SPECIFICATIONS	—			
T-1.6	CONDITIONS OF APPROVAL	—			
T-1.7	CONDITIONS OF APPROVAL	—			
C-1	TOPOGRAPHIC SURVEY	—			
A-1.1	OVERALL SITE PLAN	—			
A-1.2	ENLARGED SITE PLAN & ENLARGED TRANSFORMER PLAN	—			
A-1.3	EQUIPMENT PLAN	—			
A-2.1	ANTENNA PLANS	—			
A-3.1	ELEVATIONS	—			
A-3.2	EQUIPMENT ENCLOSURE ELEVATIONS	—			
A-4.1	ANTENNA DETAILS	—			
A-4.2	EQUIPMENT DETAILS	—			
A-5.1	GENERATOR SPECIFICATIONS	—			
A-5.2	GENERATOR SPECIFICATIONS	—			
A-5.3	GENERATOR SPECIFICATIONS	—			
A-5.4	GENERATOR SPECIFICATIONS	—			
S-1.1	STRUCTURAL DETAILS	—			
S-1.2	STRUCTURAL DETAILS	—			
S-1.3	STRUCTURAL DETAILS	—			

At all services & grounding trenches, provide
"WARNING" tape at 12" below grade.



Issued For:
CCL05091
VASCO RD &
VINEYARDS
PKWY
BRENTWOOD, CA 94513

PREPARED FOR

5001 Executive Parkway
San Ramon, California 94583

Vendor:

COMPLETE
Wireless Consulting, Inc.

AT&T SITE NO: CCL05091
PROJECT NO: -
DRAWN BY: SEAD
CHECKED BY: J. GRAY
APPROVED BY: J. SPORE

ISSUE STATUS				
5	01/26/24	CLIENT REV	S.V.	
4	12/22/23	CLIENT REV	S.D.	
3	11/29/23	CLIENT REV	S.D.	
2	11/21/23	CD 100%	A.A.	
1	10/10/23	CLIENT REV	C.C.	
0	09/13/23	CD 90%	C.C.	
REV	DATE	DESCRIPTION	CAD	

Licensee:

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

ENGINEER:

8445 Sierra College Blvd, Suite E Granite Bay, CA 95746
Contact: Kevin Sorenson Phone: 916-860-1930
E-Mail: kevin@streamlineeng.com Fax: 916-860-1941
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SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
T-1.1

PROJECT GENERAL NOTES

1. THIS FACILITY IS AN UNOCCUPIED WIRELESS TELECOMMUNICATION FACILITY.
2. PLANS ARE NOT TO BE SCALED AND ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE.
3. THE SCOPE OF WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
4. PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTORS SHALL VISIT THE JOB SITE AND BE RESPONSIBLE FOR ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS, AND CONFIRM THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER AND ENGINEER PRIOR TO PROCEEDING WITH THE WORK.
5. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PAY FOR PERMIT FEES, AND TO OBTAIN SAID PERMITS AND TO COORDINATE INSPECTIONS.
6. THE CONTRACTOR SHALL RECEIVE, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
7. CALL BEFORE YOU DIG. CONTRACTOR IS REQUIRED TO CALL 811 (NATIONWIDE "CALL BEFORE YOU DIG" HOTLINE) AT LEAST 72 HOURS BEFORE DIGGING.
8. ALL WORK PERFORMED 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 REGARDING THE PERFORMANCE OF THE WORK.
9. THE GENERAL CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING THE BEST SKILLS AND ATTENTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. CONTRACTOR SHALL ALSO COORDINATE ALL PORTIONS OF THE WORK UNDER THE CONTRACT; INCLUDING CONTACT AND COORDINATION WITH THE CONSTRUCTION MANAGER AND WITH THE LANDLORD'S AUTHORIZED REPRESENTATIVE.
10. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, PAVING, CURBS, GALVANIZED SURFACES, ETC., AND UPON COMPLETION OF WORK, REPAIR ANY DAMAGE THAT OCCURRED DURING CONSTRUCTION TO THE SATISFACTION OF THE PROJECT MANAGER.
11. KEEP GENERAL AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS AND RUBBISH. REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE.
12. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED, OR OTHERWISE DISCONNECTED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, AS DIRECTED BY THE RESPONSIBLE ENGINEER, AND SUBJECT TO THE APPROVAL OF THE OWNER AND/OR LOCAL UTILITIES.
13. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND ALL OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK SHALL BE PROTECTED AT ALL TIMES.
14. DETAILS ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
15. THE CONTRACTOR SHALL PROVIDE A TOILET FACILITY DURING ALL PHASES OF CONSTRUCTION.
16. SUFFICIENT MONUMENTATION WAS NOT RECOVERED TO ESTABLISH THE POSITION OF THE BOUNDARY LINES SHOWN HEREON. THE BOUNDARY REPRESENTED ON THIS MAP IS BASED ON COMPILED RECORD DATA AND BEST FIT ONTO EXISTING IMPROVEMENTS. IT IS POSSIBLE FOR THE LOCATION OF THE SUBJECT PROPERTY TO SHIFT FROM THE PLACEMENT SHOWN HEREON WITH ADDITIONAL FIELD WORK AND RESEARCH. THEREFORE ANY SPATIAL REFERENCE MADE OR SHOWN BETWEEN THE RELATIONSHIP OF THE BOUNDARY LINES SHOWN HEREON AND EXISTING GROUND FEATURES, EASEMENTS OR LEASE AREA IS INTENDED TO BE APPROXIMATE AND IS SUBJECT TO VERIFICATION BY RESOLVING THE POSITION OF THE BOUNDARY LINES.
17. THE CONTRACTOR TO VERIFY THE LATEST/CURRENT RF DESIGN.
18. WHERE APPLICABLE, CONTRACTOR SHALL PROVIDE SEPARATE PLANS, SPECIFICATIONS, FEES AND PERMITS FOR ANY REVISION TO ANY FIRE SPRINKLER AND/OR ALARM SYSTEM ON THE PREMISES AS MAY BE NEEDED TO COMPLETE THE WORK DEPICTED HEREIN, USING A LICENSED SUBCONTRACTOR FOR ALL SUCH WORK.

ROOFING & WATERPROOFING NOTES:

1. CONTRACTOR SHALL JOINTLY GUARANTEE THE FINISHED INSTALLATION AS WEATHER TIGHT AND FREE DRAINING ON COMPLETION DIRECTLY TO THE BUILDING OWNER & TO THE WIRELESS CARRIER FOR ALL WORK SHOWN HEREIN.
2. ALL WORK SHALL BE PERFORMED IN SUB-UNITS SUCH THAT CUT OPEN WEATHERPROOFING SYSTEMS ARE REPAIRED PERMANENTLY OR TEMPORARILY IN DEFENSE OF ANY INCMLENT WEATHER AS MAY OCCUR DURING CONSTRUCTION.
3. WHEREVER PENETRATION OF PROPRIETARY WEATHERPROOFING SYSTEMS OCCURS, THE CONTRACTOR SHALL EMPLOY SUBCONTRACTORS APPROVED FOR APPLICATION OF SAID SYSTEM AND WITH MINIMUM OF 3 YEARS EXPERIENCE WITH THE APPLICABLE PRODUCT(S) AND ITS(THEIR) APPLICATION (e.g. DRY-VIT, GAKO-FLEX DECKING &/OR ROOFING, SINGLE-PLY ROOFING SYSTEMS (VARIOUS), ETC.).
4. WHERE APPLICABLE THE CONTRACTOR SHALL EMPLOY THE BUILDING OWNER'S ROOFING CONTRACTOR FOR ALL PATCHWORK.
5. CONTRACTOR IS RESPONSIBLE TO INVESTIGATE ALL WEATHERPROOFING REQUIREMENTS FOR THE WORK SHOWN HEREIN PRIOR TO SUBMITTING A BID, AND SHALL NOTIFY THE PROJECT ENGINEER OF ANY DISCREPANCIES IN DETAILS SHOWN THAT MAY RESULT IN SUBSTANDARD WEATHERPROOFING IN THE FINISHED ASSEMBLY.
6. CONTRACTOR SHALL ENSURE ALL ROOF AREAS HAVE POSITIVE SLOPE TO ALL EXISTING ROOF DRAINS. PROVIDE ADDITIONAL CRICKETS OR BUILD UP ROOFING AS REQUIRED TO PROVIDE POSITIVE DRAINAGE AROUND ALL NEW CONSTRUCTION INCLUDING ANY CURBS, SLEEPERS, SUPPORT BASES, ETC.

CONSTRUCTION NOTES

1. EXISTING BUILDING CONSTRUCTION CONDITIONS INDICATED ON THE DRAWINGS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO PROCEEDING WITH CONSTRUCTION OR ORDERING OF MATERIALS. IF EXISTING CONDITIONS DO NOT ALLOW FOR DETAILS OF CONSTRUCTION AS SHOWN ON THESE DRAWINGS, NOTIFY ENGINEER OF RECORD FOR RESOLUTION PRIOR TO PROCEEDING. CONTRACTOR SHALL EXPOSE AND REVIEW EXISTING CONDITIONS IN A TIMELY MANNER SUCH THAT ALTERNATE DESIGNS OR DETAILS, IF REQUIRED, MAY BE GENERATED WITHOUT DELAY TO THE PROJECT.
2. DURING CONSTRUCTION, THE CONTRACTOR SHALL NOT ALTER, DAMAGE OR REMOVE ANY PART OF THE EXISTING STRUCTURE UNLESS SPECIFICALLY DETAILED ON THESE DRAWINGS.
3. THE INTENT OF THESE DRAWINGS IS THAT THE WORK OF THE ADDITION, ALTERATION, REHABILITATION, OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH THE 2019 CBC. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NONCOMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH THE 2019 CBC, A CHANGE ORDER, OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE PREPARED AND SUBMITTED TO AND APPROVED BY THE BUILDING DEPARTMENT PRIOR TO PROCEEDING WITH THE WORK.
4. ALL WORK AND MATERIALS SHOWN ARE NEW UNLESS INDICATED AS EXISTING (E).
5. IT MAY BE NECESSARY TO REMOVE ARCHITECTURAL FINISHES, PLUMBING PIPES AND FIXTURES, ELECTRICAL CONDUIT, FIXTURES, PANELS, BOXES, TELEPHONE OR FIRE ALARM WIRING AND FIXTURES OR OTHER NON-STRUCTURAL ITEMS TO INSTALL STRUCTURAL WORK AND MATERIALS SHOWN ON THESE DRAWINGS. SUCH ITEMS SHALL BE REMOVED, REPAIRED AND/OR REPLACED TO MATCH PRE-CONSTRUCTION CONDITIONS AT THE CONTRACTORS EXPENSE.
6. ALL WEATHER PROOFING, INCLUDING BUT NOT LIMITED TO TORCH DOWN, CAULKING, Z-FLASHING OR ANY OTHER MATERIAL THAT MAY BE ALTERED DURING INSTALLATION SHALL BE REPAIRED REPLACED AND/OR MODIFIED TO ENSURE THE BUILDING AT THE INSTALLATION SITE IS WEATHER PROOF.
7. ANY PROPOSED SUBSTITUTIONS FOR STRUCTURAL MEMBERS, HARDWARE, ANCHOR TYPES, OR DETAILING INDICATED IN THESE DRAWINGS SHALL BE SUBMITTED TO AND REVIEWED BY THE ENGINEER OF RECORD PRIOR TO ORDERING MATERIALS. SUCH REVIEW SHALL BE BILLED ON A TIME AND MATERIALS BASIS TO THE CONTRACTOR WITH NO GUARANTEE THAT THE SUBSTITUTION WILL BE ALLOWED.
8. CONTRACTOR SHALL ENSURE ALL ROOF AREAS HAVE POSITIVE SLOPE TO ALL EXISTING ROOF DRAINS. PROVIDE ADDITIONAL CRICKETS OR BUILD UP ROOFING AS REQUIRED TO PROVIDE POSITIVE DRAINAGE AROUND ALL NEW CONSTRUCTION INCLUDING ANY CURBS, SLEEPERS, SUPPORT BASES, ETC.

CONCRETE CORE/DRILLING NOTES

1. WHEN INSTALLING DRILLED-IN ANCHORS AND/OR POWDER DRIVEN PINS IN EXISTING NON-PRESTRESSED OR POST-TENSIONED REINFORCED CONCRETE (MILD REINFORCED), USE CARE & CAUTION TO AVOID CUTTING OR DAMAGING THE (E) REINFORCING BARS. WHEN INSTALLING ANCHORS INTO (E) PRE-STRESSED OR POST-TENSIONED CONCRETE LOCATE THE PRE-STRESSED OR POST-TENSIONED TENDONS BY USING A NON-DESTRUCTIVE METHOD, SUCH AS X-RAY, AT POINT OF PENETRATION, PRIOR TO INSTALLATION. EXERCISE EXTREME CARE & CAUTION TO AVOID CUTTING OR DAMAGING THE TENDONS DURING INSTALLATION. MAINTAIN A MINIMUM CLEARANCE OF TWO INCHES BETWEEN REINFORCEMENT AND THE DRILLED-IN ANCHOR AND/OR PIN.
2. WHEN CORING EXISTING REINFORCED CONCRETE OF ANY CONSTRUCTION TYPE (PRE-STRESSED, POST-TENSIONED OR MILD REINFORCED), LOCATE THE EXISTING REINFORCING BY USING A NON-DESTRUCTIVE METHOD, SUCH AS X-RAY, PRIOR TO CORING. EXERCISE EXTREME CARE & CAUTION TO AVOID CUTTING OR DAMAGING ANY REINFORCING DURING CORING. MAINTAIN A MINIMUM CLEARANCE OF TWO INCHES BETWEEN REINFORCEMENT AND THE CORE. THE MAXIMUM SIZE OF ANY CORE IS TO BE 6" DIAMETER AND THE MINIMUM SPACING BETWEEN CORES IS TO BE TWICE THE CORE DIAMETER (I.E. 12" SPACING FOR A 6" DIAMETER CORE).
3. INSPECTOR IS TO BE PRESENT DURING ALL CORE DRILLING OPERATIONS TO VERIFY THAT NO REINFORCING CABLES, TENDONS, OR REBAR HAVE BEEN CUT. (SEE NOTE 5 BELOW)
4. THE INSPECTOR SHALL SUBMIT A WRITTEN REPORT TO THE OWNER.
5. THE INSPECTIONS INDICATED IN NOTES 3 AND 4 ABOVE ARE NOT REQUIRED FOR A CONCRETE FILL OVER METAL DECK APPLICATION WHERE INDICATED ON THE CONSTRUCTION DRAWINGS.

FRAMING NOTES

1. ALL JOINTS AND PENETRATIONS SHALL BE CAULKED AND SEALED.
2. ALL 2X OR 4X FRAMING LUMBER SHALL BE DOUGLAS FIR #2 OR BTR, 6X DOUGLAS FIR # 1 OR BTR UNLESS OTHERWISE NOTED.
3. ALL EXTERIOR USE LUMBER SHALL BE PRESSURE TREATED W/ FASTENERS HDG & METAL CONNECTORS G135 OR BETTER AS REQUIRED FOR CORROSION RESISTANCE TO THE PRESERVATIVE TYPE USED.
4. ALL STRUCTURAL CONNECTORS SHALL BE AS SPECIFIED OR AN EQUIVALENT.
5. NAILING SHALL CONFORM WITH THE REQUIREMENTS OF THE 2022 CBC UNLESS OTHERWISE NOTED. DRAWING SPECIFIC CALLOUTS SUPERCEDE CODE NAILING REQUIREMENTS
6. HOLES FOR BOLTS IN WOOD SHALL BE BORED WITH A BIT OF THE SAME NOMINAL DIAMETER AS THE BOLT PLUS 1/8".
7. HOLES FOR LAG SCREWS 3/8" OR GREATER SHALL BE BORED AS FOLLOWS:
 - A. THE CLEARANCE HOLE FOR THE SHANK SHALL HAVE THE SAME DIAMETER AS THE SHANK, AND THE SAME DEPTH OF PENETRATION AS THE LENGTH OF UNTHREADED SHANK.
 - B. THE LEAD HOLE FOR THE THREADED PORTION SHALL HAVE A DIAMETER EQUAL TO 75% OF THE SHANK DIAMETER AND A LENGTH EQUAL TO AT LEAST THE LENGTH OF THE THREADED PORTION.
 - C. LAG SCREWS AND WOOD SCREWS SHALL BE SCREWED AND NOT DRIVEN INTO PLACE. PROVIDE LIQUID SOAP AS REQUIRED TO LUBRICATE LAG SCREWS DURING INSTALLATION.
8. LAG SCREWS SHALL BE GALVANIZED ASTM A307 MINIMUM. BOLTED CONNECTIONS SHALL BE BEARING TYPE. SEE PLANS FOR LOCATION, NUMBER, & SIZE OF BOLTS.

STRUCTURAL STEEL NOTES

1. ALL STEEL CONSTRUCTION INCLUDING FABRICATION, ERECTION AND MATERIALS SHALL COMPLY WITH ALL REQUIREMENTS OF THE 2016 AISC SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS AND THE 2019 CBC.
2. ALL STRUCTURAL STEEL SHALL BE ASTM A36 UNLESS OTHERWISE NOTED. ALL WF (WIDE FLANGE) & WT (TEE) SHAPES TO BE ASTM A992 (F_y=50,000 PSI) UNLESS NOTED OTHERWISE. ALL STRUCTURAL TUBING (TS OR HSS) SHALL BE ASTM A500 GRADE B (F_y=46,000 PSI). ALL STEEL PIPE SHALL BE ASTM A53 (TYPE E OR S, GRADE B (F_y=35,000 PSI)) SCHEDULE 40 WITH OUTSIDE DIAMETERS GIVEN UNLESS OTHERWISE NOTED.
3. ALL WELDING SHALL BE PERFORMED USING E70XX ELECTRODES UNLESS OTHERWISE NOTED AND SHALL CONFORM TO AISC & AWS D1.4. WHERE FILLET WELD SIZES ARE NOT SHOWN PROVIDE THE MINIMUM SIZE PER TABLE J2.4 IN THE AISC SPECIFICATION. PAINTED SURFACES SHALL BE TOUCHED UP.
4. ALL WELDING SHALL BE PERFORMED BY QUALIFIED, CERTIFIED WELDERS.
5. HIGH STRENGTH BOLTS SHALL BE GALVANIZED ASTM F3125/F3125M GRADE A325 MINIMUM. BOLTED CONNECTIONS SHALL BE BEARING TYPE. SEE PLANS FOR LOCATION, NUMBER, & SIZE OF BOLTS.
6. HIGH STRENGTH BOLT NUTS SHALL BE ASTM A563/A563M AND WASHERS SHALL BE ASTM F436/ F436M.
7. THREADED RODS SHALL BE SAE J429, GRADE 2 U.O.N.
8. ALL HOLES FOR BOLTED CONNECTIONS SHALL BE 1/16" LARGER THAN THE NOMINAL BOLT DIAMETER. USE STANDARD AISC GAGE AND PITCH FOR BOLTS EXCEPT AS NOTED OTHERWISE. HOLES FOR ANCHOR BOLTS IN BASE PLATES MAY BE AISC "OVERSIZE" HOLES WHERE ACCOMPANIED BY OVERSIZED HARDENED HOT DIPPED GALVANIZED WASHERS.
9. ALL SHOP FABRICATED STEEL STRUCTURAL MEMBERS FOR EXTERIOR USE SHALL BE HOT DIP GALVANIZED PER ASTM A123 AFTER FABRICATION & PAINTED PER CUSTOMER SPECIFICATIONS AS REQUIRED. STEEL FOR INTERIOR USE SHALL BE SHOP COAT OR GALVANIZED & PAINTED.
10. ALL FIELD FABRICATED GALVANIZED STEEL THAT IS CUT, GROUND, DRILLED, WELDED OR DAMAGED SHALL BE TREATED WITH "ZINC RICH" COLD GALVANIZING SPRAY OR COATING. NO RAW STEEL SHALL BE EXPOSED.
11. AT ALL WEB STIFFENER PLATES LEAVE 3/4"Ø (OR K, WHICHEVER IS LARGER) HOLE @ WEB/FLANGE INTERSECTION UNLESS NOTED OTHERWISE.
12. U-BOLTS AT ANTENNA & RRU MOUNT TO BE GALVANIZED SAE J429, GRADE 2 WITH J995 NUTS U.O.N.
13. ALL STRUT MEMBERS USED IN EXTERIOR APPLICATIONS SHALL BE HOT DIPPED GALVANIZED PER ASTM A123 OR ASTM A153.
14. ALL STAINLESS STEEL BOLTED CONNECTIONS SHALL BE ASTM F593-17 ALLOY GROUP 1 OR 2 AND STAINLESS STEEL NUTS SHALL BE ASTM F594-09 (2015).

EXPANSION & EPOXY ANCHORS

1. EXPANSION AND EPOXY ANCHORS SHALL BE IN CONFORMANCE WITH ALL REQUIREMENTS OF THE 2022 CALIFORNIA BUILDING CODE (CBC).
2. ALL ANCHORS PROVIDED SHALL BE INCLUDED IN EVALUATION REPORTS OF THE INTERNATIONAL CODE COUNCIL (ICC), AND SHALL BE EVALUATED FOR 2021 IBC MINIMUM REQUIREMENTS IN THE ICC REPORT
3. CONCRETE EXPANSION ANCHORS SHALL BE KWIK BOLT T22 BY HILTI, INC., TULSA, OKLAHOMA AS PER ICC REPORT NO. ESR-4266 OR APPROVED EQUIVALENT.
4. CMU EXPANSION ANCHORS SHALL BE KWIK BOLT T22 BY HILTI, INC., TULSA, OKLAHOMA AS PER ICC REPORT NO. ESR-4561 OR APPROVED EQUIVALENT. ANCHORS SHALL BE INSTALLED A MINIMUM OF 1 3/8" FROM ANY VERTICAL MORTAR JOINT TYPICAL ANCHORS TO BE SPACED 8 INCHES ON CENTER MINIMUM AND LIMITED TO ONE ANCHOR PER CELL.
5. CONCRETE ADHESIVE EPOXY ANCHORS SHALL BE HIT RE-500 V3 BY HILTI, INC., TULSA, OKLAHOMA AS PER ICC REPORT NO. ESR-3814 OR APPROVED EQUIVALENT.
6. GROUT FILLED CMU ADHESIVE EPOXY ANCHORS SHALL BE HIT-HY 200 BY HILTI, INC., TULSA, OKLAHOMA AS PER ICC REPORT NO. ESR-3963 OR APPROVED EQUIVALENT.
7. INSTALL EXPANSION AND EPOXY ANCHORS WITH SPECIAL INSPECTION IN ACCORDANCE WITH THE 2019 CBC, TABLE 1705.3, AND ALL REQUIREMENTS OF THE MANUFACTURER, THE MANUFACTURER'S ICC APPROVAL AND THESE DRAWINGS.
8. EXPANSION ANCHORS SHALL BE 304/316 STAINLESS STEEL U.O.N. EPOXY ANCHOR THREADED ROD SHALL BE ASTM F593 CW1 (316) (1/4" TO 3/8") OR F593 CW2 (316) (3/4" TO 1 1/2") STAINLESS STEEL U.O.N.
9. LOCATE AND AVOID REINFORCEMENT AND OTHER EMBEDDED ITEMS WHEN INSTALLING ANCHORS, TYPICAL. SEE CONCRETE CORE DRILLING NOTES FOR ADDITIONAL INFORMATION.
10. THE SPECIAL INSPECTOR MUST MAKE PERIODIC INSPECTIONS DURING ANCHOR INSTALLATION TO VERIFY ANCHOR TYPE AND DIMENSIONS, CONCRETE MEMBER THICKNESS, ANCHOR SPACING, EDGE DISTANCES, TIGHTENING TORQUE, HOLE DIAMETER, DEPTH AND CLEANLINESS, ANCHOR EMBEDMENT AND ADHERENCE TO MANUFACTURER'S INSTALLATION INSTRUCTIONS. SEE NOTE 11 BELOW FOR FREQUENCY OF INSPECTIONS.
11. 50% OF ALL ANCHORS, INCLUDING ALTERNATE BOLTS IN A GROUP OF ANCHORS, SHALL BE INSPECTED PER NOTE 10 ABOVE AND TORQUE TESTED PER THE ICC REPORT TEST VALUES NOTED BELOW:

K8 T22:

CONCRETE TORQUE TEST VALUES:

3/8"=30 FT LB 1/2"=40 FT LB 5/8"=60 FT LB 3/4"=125 FT LB

CMU TORQUE TEST VALUES:

3/8"=15 FT LB 1/2"=25 FT LB 5/8"=35 FT LB 3/4"=50 FT LB

EPOXY ANCHOR:

CONCRETE TORQUE TEST VALUES:

1/2"=30 FT LB
(CONCRETE TENSION TEST VALUES TO BE DETERMINED AS NEEDED. A RFI WILL BE ISSUED IF NEEDED DURING CONSTRUCTION TO ESTABLISH THE REQUIRED TENSION TEST VALUES)

CONCRETE BLOCK MASONRY NOTES

1. CONCRETE BLOCK UNITS SHALL CONFORM TO ASTM C-90. COMPRESSIVE STRENGTH OF UNITS TO BE 1000 PSI FOR GROSS AREA AND 1900 PSI FOR NET AREA. F'm = 1500 PSI. F'm SHALL BE VERIFIED IN ACCORDANCE WITH SECTION 2105.1 OF THE 2022 CBC. CONCRETE BLOCK UNITS SHALL BE LIGHTWEIGHT, FULLY GROUTED CONCRETE BLOCK UNITS NOT TO EXCEED 115 PCF.
2. MORTAR SHALL BE TYPE S PER CBC SECTION 2103.2 AND ASTM C270 PROPORTIONED TO ATTAIN A 28 DAY COMPRESSIVE STRENGTH OF 1800 PSI. USE A MINIMUM OF 1 PART PORTLAND CEMENT TO 3/4-1/2 PART HYDRATED LIME WITH SAND AT 2 1/2 TO 3 TIMES COMBINED VOLUME OF CEMENT AND LIME. 2" CUBES SHALL TEST 1800 PSI IN 28 DAYS.
3. GROUT SHALL BE PER CBC SECTION 2103.3 PROPORTIONED TO ATTAIN A 28 DAY COMPRESSIVE STRENGTH OF 2500 PSI. USE A MINIMUM OF 1 PART PORTLAND CEMENT TO 3 PARTS SAND. ADD 1 LB. OF SIKA GROUT AIDE TYPE II, OR EQUAL, PER 100 LB. OF CEMENTITIOUS MATERIAL. 1 TO 2 PARTS OF PEA GRAVEL SHALL BE USED WHERE THE LEAST CLEAR CELL DIMENSION EXCEEDS 2 INCHES. NOT MORE THAN 5% OF THE PEA GRAVEL SHALL PASS THE NO. 8 SIEVE AND 100% SHALL PASS THE 3/8" SIEVE.
4. REINFORCING STEEL SHALL CONFORM TO ASTM A-615 GRADE 60 FOR #4 AND LARGER.
5. MINIMUM REBAR CLEARANCE TO SHELL FACE IS ONE BAR DIAMETER OR 1/2", WHICHEVER IS GREATER.
6. BEFORE BLOCK IS PLACED ON CONCRETE, THOROUGHLY CLEAN CONCRETE OF ALL LAITANCE AND ALL LOOSE MATERIAL. ROUGHEN AS IN A CONCRETE CONSTRUCTION JOINT.
7. CONCRETE BLOCK MASONRY SHALL BE BUILT TO PRESERVE THE UNOBSTRUCTED VERTICAL CONTINUITY OF THE CELLS. ALL HEAD AND END JOINTS SHALL BE SOLIDLY FILLED WITH MORTAR FOR A DISTANCE IN FROM THE FACE OF THE WALL OR UNIT NOT LESS THAN THE THICKNESS OF THE LONGITUDINAL FACE SHELLS. BOND SHALL BE PROVIDED BY LAPPING SUCCESSIVE COURSES OR BY EQUIVALENT MECHANICAL ANCHORAGE.
8. VERTICAL CELLS SHALL HAVE VERTICAL ALIGNMENT SUFFICIENT TO MAINTAIN A CLEAR UNOBSTRUCTED CONTINUOUS VERTICAL CELL.
9. CLEAN OUT OPENINGS AT THE BOTTOMS OF ALL CELLS TO BE FILLED AT EACH LIFT OR POUR OF GROUT WHERE SUCH LIFT OR POUR OF GROUT IS IN EXCESS OF 4'-0" IN HEIGHT. ANY OVERHANGING MORTAR OR OTHER OBSTRUCTION OR DEBRIS SHALL BE REMOVED FROM INSIDE OF SUCH CELLS. THE CLEAN OUTS SHALL BE SEALED AFTER INSPECTION AND BEFORE GROUTING. MECHANICALLY VIBRATE ALL GROUT POURS.
10. VERTICAL REINFORCING SHALL BE HELD IN POSITION AT TOP AND BOTTOM AND AT INTERVALS NOT TO EXCEED 192 BAR DIAMETERS.
11. THOROUGHLY CLEAN ALL CELLS AND BOND BEAMS OF MORTAR BEFORE GROUTING.
12. ALL CELLS SHALL BE FILLED SOLIDLY WITH GROUT. ALL GROUTING SHALL BE DONE UNDER THE CONTINUOUS OBSERVATION OF A QUALIFIED INSPECTOR WHERE INDICATED ON PLANS.
13. WHEN GROUTING IS STOPPED FOR ONE HOUR OR LONGER, HORIZONTAL CONSTRUCTION JOINTS SHALL BE FORMED BY STOPPING THE POUR OF GROUT 1 1/2" BELOW THE TOP OF THE UPPERMOST UNIT.
14. EVERY VERTICAL BAR IN WALLS SHALL BE LAPPED PER #20 BELOW WITH A DOWEL OF THE SAME SIZE EXTENDING FROM THE FOUNDATION. LOCATE VERTICAL REINFORCING AT CENTERLINE OF WALL UNLESS SHOWN OR NOTED OTHERWISE. CARRY EACH DOWEL TO WITHIN 3" OF THE BOTTOM OF THE FOUNDATION AND TERMINATE WITH 90 DEGREE HOOK. DOWELS SHALL BE STRAIGHT AND PLUMB.
15. PLACE ALL HORIZONTAL BARS IN BOND BEAM UNITS. WHEN 2 BARS ARE USED, STAGGER LAPS MINIMUM OF 5'-0".
16. PROVIDED 2 - #5 BARS WITH MATCHING FOOTING DOWELS (FULL HEIGHT OF WALL AT JAMBS AND EXTENDING A MINIMUM OF 2'-0" PAST EDGES OF OPENINGS AT HEAD AND SILL) EACH SIDE OF ALL OPENINGS AND EACH END OF ALL WALLS, UNLESS NOTED OTHERWISE ON DRAWINGS.
17. ALL EMBEDDED ITEMS (BOLTS, STRAPS, ETC.) SHALL BE SECURED IN PLACE PRIOR TO GROUTING. CUT A HOLE IN THE FACE SHELL TO ATTAIN A MINIMUM OF 1" GROUT ALL AROUND EMBEDDED ITEMS.
18. SINGLE CONDUITS (3/4" MAX) MAY BE PLACED IN VERTICAL CELLS NOT CONTAINING VERTICAL REBAR. NO HORIZONTAL CONDUITS ALLOWED IN WALL CONSTRUCTION.
19. ANCHOR BOLTS CAST IN MASONRY SHALL BE HEADED BOLTS WITH CUT THREADS CONFORMING TO ASTM A307, ASTM A36, OR ASTM A572 GRADE 50 AS INDICATED ON DRAWINGS.
20. ALL REBAR SHALL BE LAP SPICED AS FOLLOWS (U.N.O.):

BAR TYPE	LAP LENGTH	NOTES
VERTICAL BARS	48d	SPICES FOR MULTIPLE BARS IN THE SAME CELL MUST BE STAGGERED 24" OR LAPPED 62d
HORIZONTAL BARS	48d	
JAMB BARS	72d	SPICES FOR MULTIPLE BARS IN THE SAME CELL MUST BE STAGGERED 24" OR LAPPED 94d
CHORD BARS	72d	
VERTICAL BARS @ ENDS & CORNERS	72d	

At all services & grounding trenches, provide
"WARNING" tape at 12" below grade.



CALL
"CALL BEFORE YOU DIG"
811
NATIONWIDE UNDERGROUND SERVICE ALERT

Issued For:
CCL05091
VASCO RD & VINEYARDS PKWY
BRENTWOOD, CA 94513

PREPARED FOR

5001 Executive Parkway
San Ramon, California 94583

Vendor:

COMPLETE
Wireless Consulting, Inc.

AT&T SITE NO:	CCL05091
PROJECT NO:	-
DRAWN BY:	SEAD
CHECKED BY:	J. GRAY
APPROVED BY:	J. SPORE

ISSUE STATUS				
5	01/26/24	CLIENT REV	S.V.	
4	12/22/23	CLIENT REV	S.D.	
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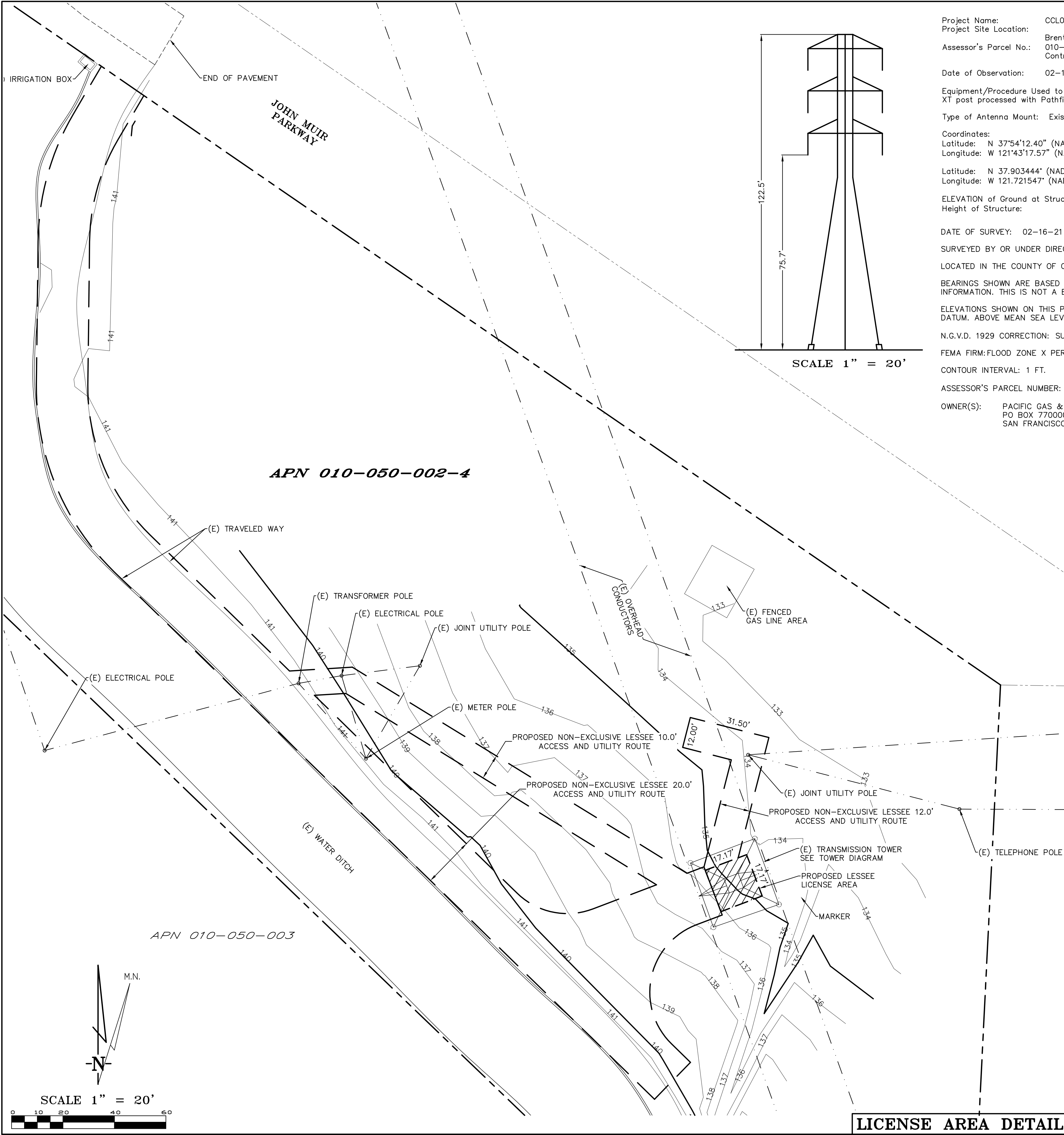
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SHEET TITLE:
GENERAL NOTES

SHEET NUMBER:
T-1.2



Project Name: CCL05091
Project Site Location: Brentwood, CA 94513
Assessor's Parcel No.: 010-050-002-4
Contra Costa County

Date of Observation: 02-16-21

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

Type of Antenna Mount: Existing Transmission Tower

Coordinates:
Latitude: N 37°54'12.40" (NAD83) N 37°54'12.67" (NAD27)
Longitude: W 121°43'17.57" (NAD83) W 121°43'13.74" (NAD27)

Latitude: N 37.903444° (NAD83) N 37.903520° (NAD27)
Longitude: W 121.721547° (NAD83) W 121.720483° (NAD27)

ELEVATION of Ground at Structure (NAVD88) 135' AMSL
Height of Structure: 122.5' AGL

DATE OF SURVEY: 02-16-21

SURVEYED BY OR UNDER DIRECTION OF: KENNETH D. GEIL, RCE 14803

LOCATED IN THE COUNTY OF CONTRA COSTA, 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 UNLESS OTHERWISE NOTED.

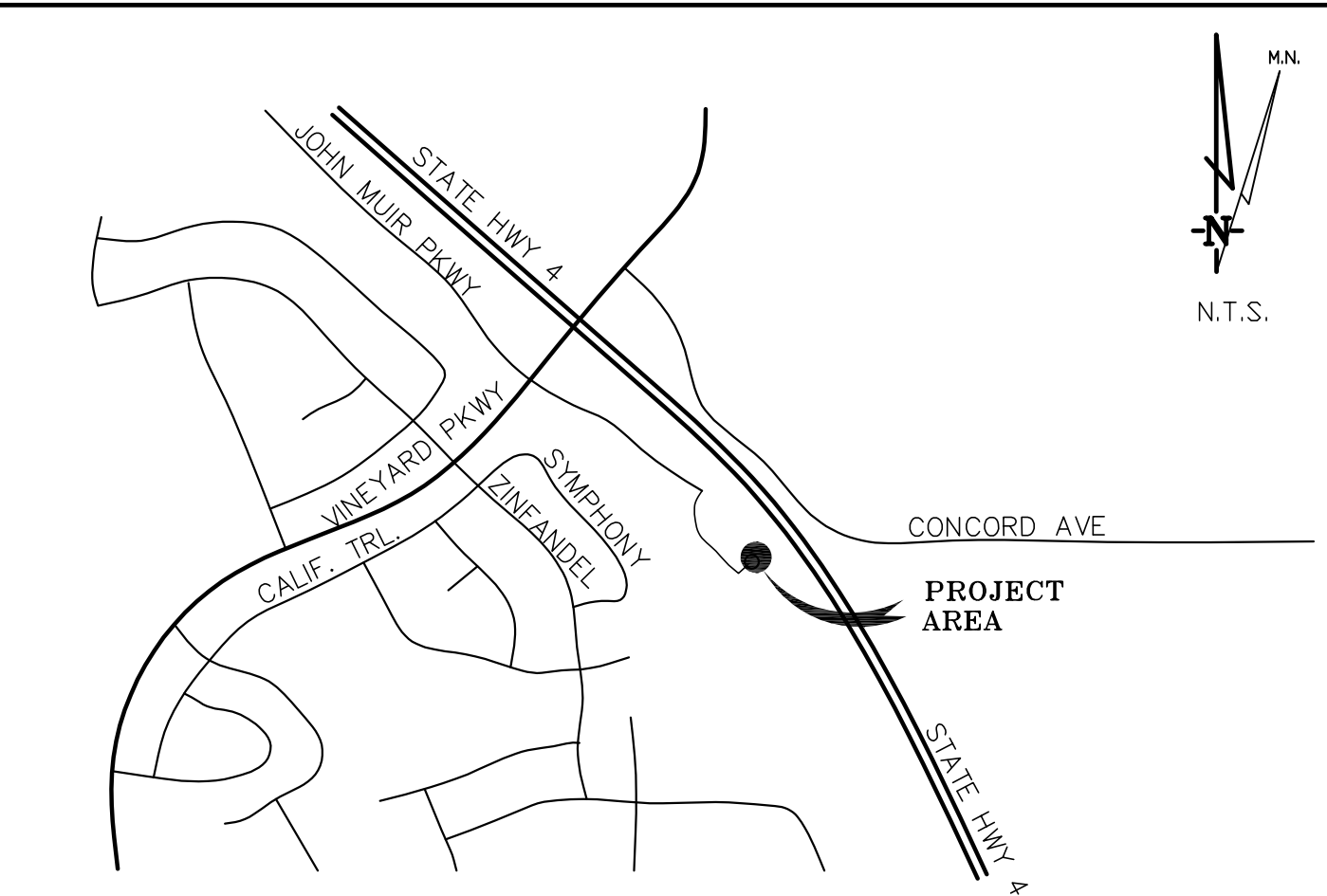
N.G.V.D. 1929 CORRECTION: SUBTRACT 2.46' FROM ELEVATIONS SHOWN.

FEMA FIRM:FLOOD ZONE X PER FIRM 06013C0365C, DATED 03-21-2017.

CONTOUR INTERVAL: 1 FT.

ASSESSOR'S PARCEL NUMBER: 010-050-002-4

OWNER(S): PACIFIC GAS & ELECTRIC
PO BOX 770000
SAN FRANCISCO, CA 94177



BRENTWOOD, CA **VICINITY MAP**

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

Surveyor

GEIL ENGINEERING
ENGINEERING • SURVEYING • PLANNING
1226 HIGH STREET
AUBURN, CALIFORNIA 96605
Phone: (916) 835-1226
Fax: (916) 835-1305

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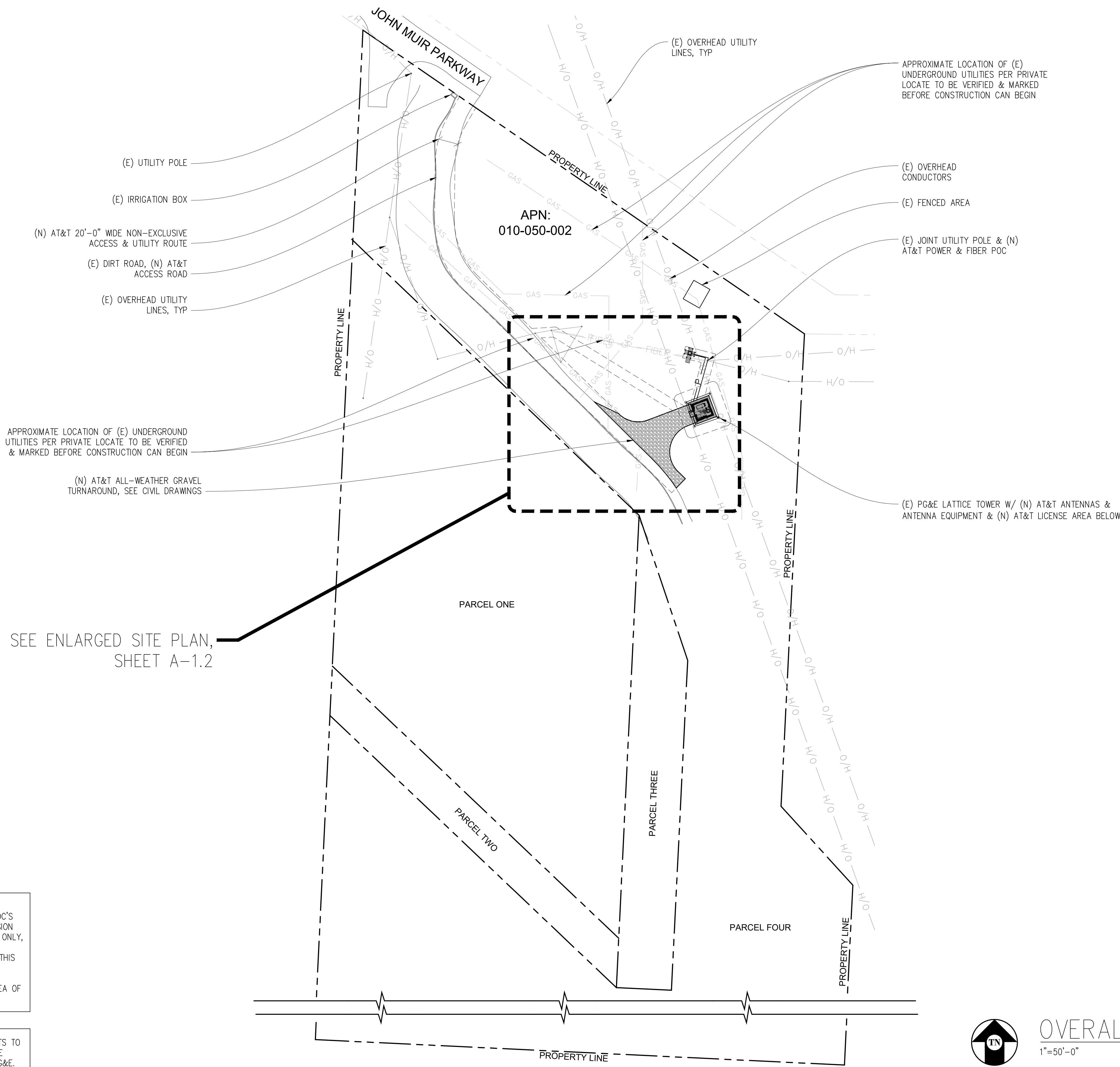
Brentwood, CA 94513

PLOT PLAN AND
SITE TOPOGRAPHY

REVISIONS	DATE	DESCRIPTION
02-23-21	dg	Preliminary Drawing
03-08-21	dg	rev. lease & esmts.
03-16-21	dg	title review
04-30-21	dg	redlines
07-28-23	dg	corr. coord.
09-11-23	dg	rev. apn
11-21-23	dg	util route added
01-24-24	dg	address removed

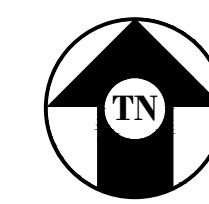
Sheet

C-1



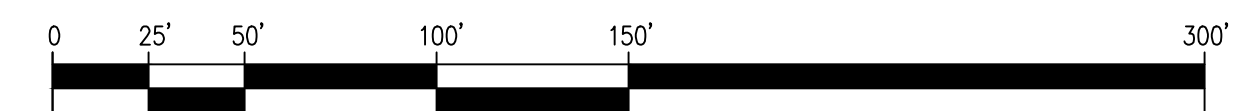
- NOTES:
1. ALL TRENCHING FROM UTILITY POC'S ON WOODEN POLE TO TRANSMISSION TOWER TO BE HAND EXCAVATED ONLY, NO EXCAVATORS USED, PG&E INSPECTOR TO BE ON SITE FOR THIS EXCAVATION.
 2. ALL GAS LINES TO BELOCATED, MARKED, & FLAGGED IN THE AREA OF ANY EXCAVATION.

NOTE: ALL (E) U/G UTILITY CONDUITS TO BE VERIFIED & MARKED BEFORE CONSTRUCTION CAN BEGIN PER PG&E.



OVERALL SITE PLAN

1"=50'-0"



Issued For:
**CCL05091
VASCO RD &
VINEYARDS
PKWY**
BRENTWOOD, CA 94513

PREPARED FOR

5001 Executive Parkway
San Ramon, California 94583

Vendor:

COMPLETE
Wireless Consulting, Inc.

AT&T SITE NO: CCL05091
PROJECT NO: -
DRAWN BY: SEAD
CHECKED BY: J. GRAY
APPROVED BY: J. SPORE

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SHEET TITLE:
**OVERALL
SITE PLAN**

SHEET NUMBER:
A-1.1

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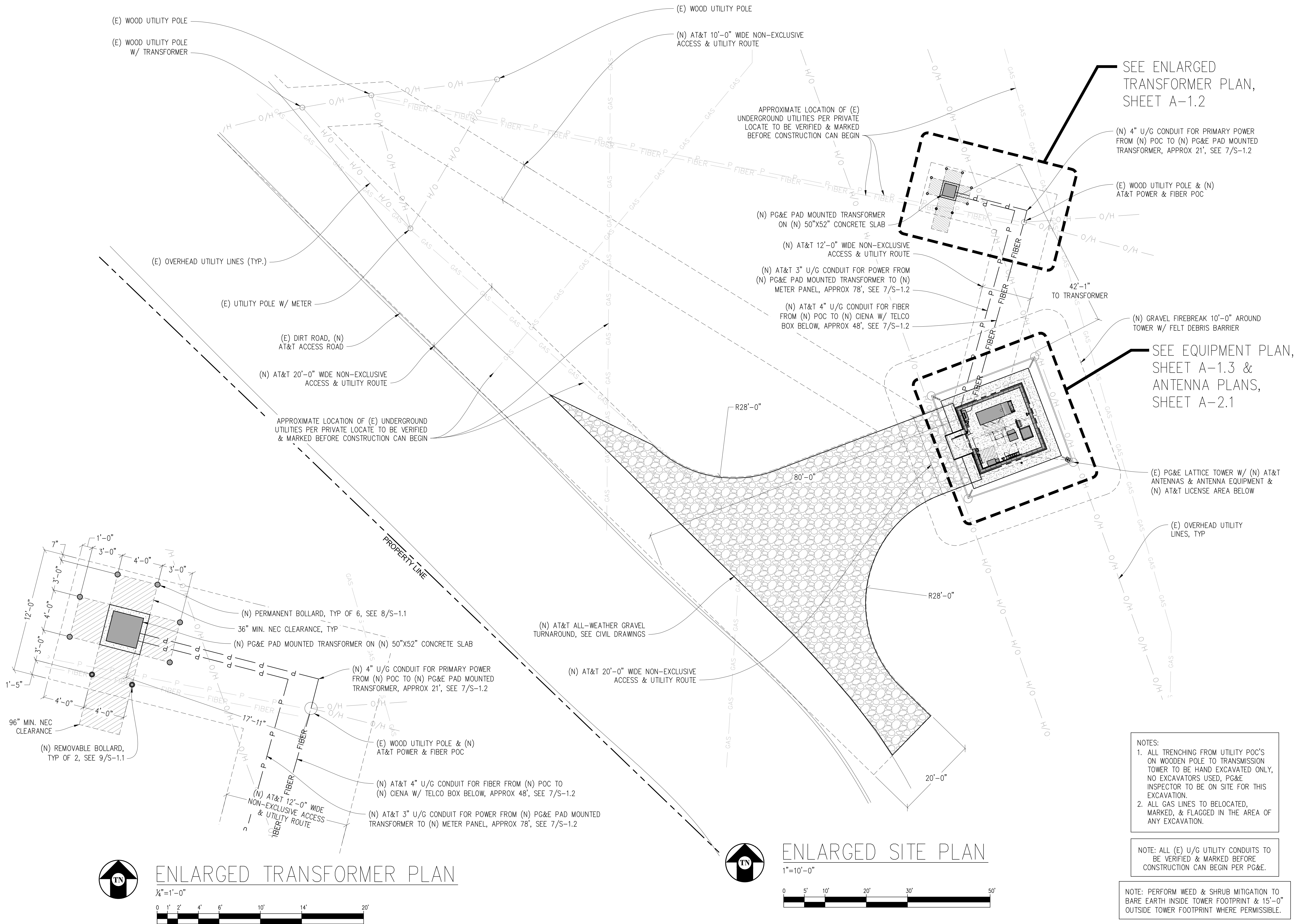
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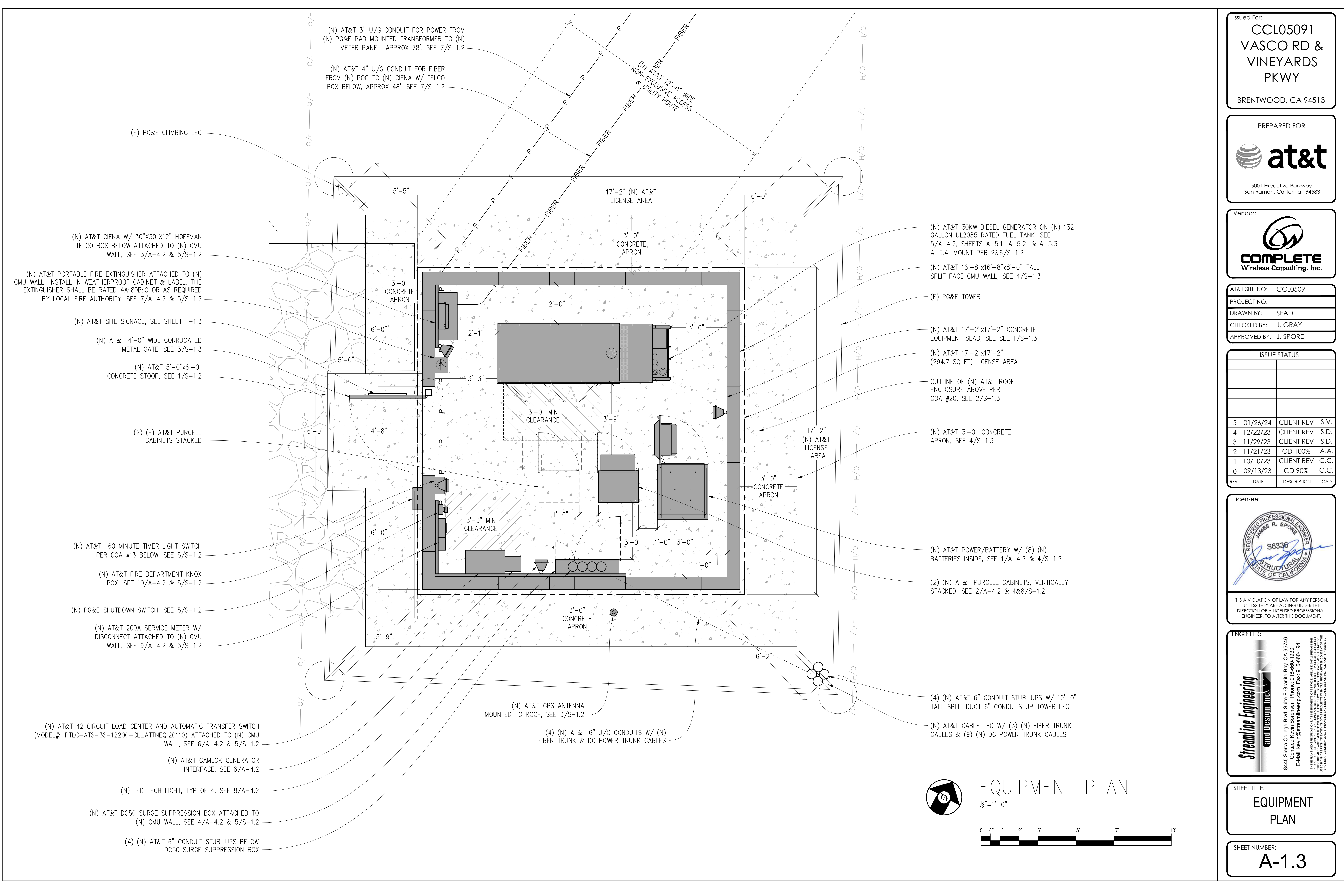
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SHEET TITLE:
ENLARGED SITE PLAN & ENLARGED TRANSFORMER PLAN


SHEET NUMBER:
A-1.2





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BRENTWOOD, CA 94513

PREPARED FOR



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3	11/29/23	CLIENT REV	S.D.	
2	11/21/23	CD 100%	A.A.	
1	10/10/23	CLIENT REV	C.C.	
0	09/13/23	CD 90%	C.C.	
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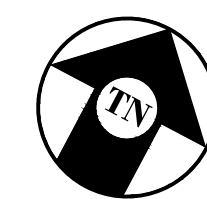


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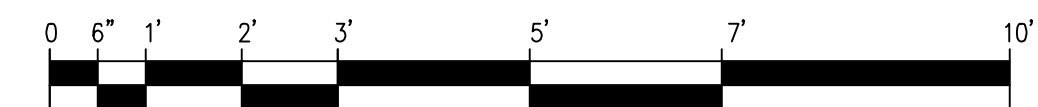
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SHEET TITLE:
EQUIPMENT PLAN

SHEET NUMBER:
A-1.3



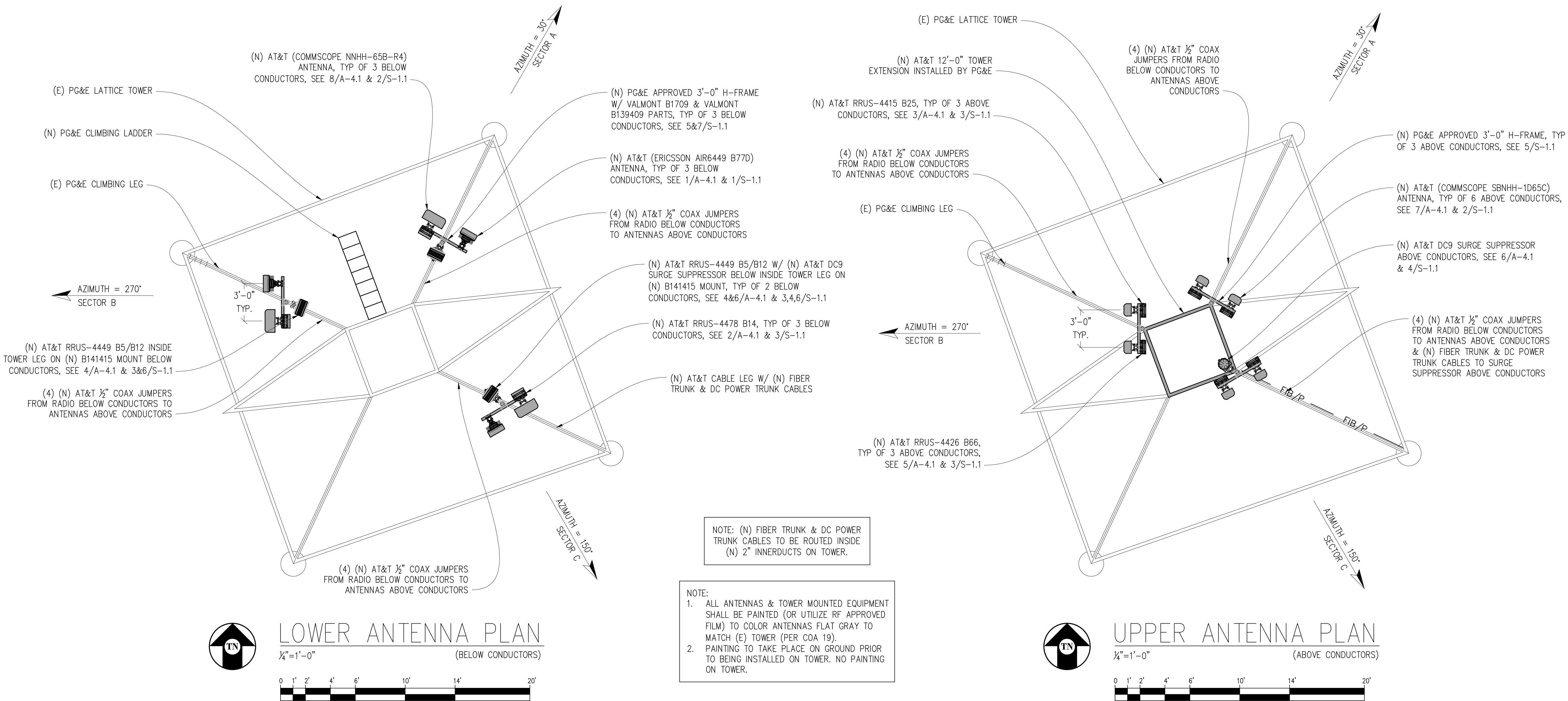
EQUIPMENT PLAN
1/2"=1'-0"



ANTENNA & CABLE SCHEDULE (PRELIMINARY & SUBJECT TO CHANGE)												
SECTOR		ANTENNA MODEL NO.	AZIMUTH	CENTERLINE	RRU NO'S & MODEL #	#, SIZE, & LENGTH OF COAX JUMPERS BELOW CONDUCTORS TO ABOVE CONDUCTORS	# OF DC POWER CABLES	# OF FIBER CABLES	LENGTH OF HYBRID CABLES	SURGE SUPPRESSOR	NO. OF DIPLEXERS	NO. OF COMBINERS
ALPHA	A1	COMMSCOPE SBNHH-1D65C	30°	±130'-0"	(1) 4449 B5/B12, (1) 4415 B25	(2) ½" @ ±66'-10"	SHARED	SHARED	-	SHARED	0	0
	A2	COMMSCOPE SBNHH-1D65C	30°	±130'-0"	(1) 4426 B66, (SHARED 4449 B5/B12)	(2) ½" @ ±66'-10"	SHARED	SHARED	-	SHARED	0	0
	A3	ERICSSON AIR6449 B77D	30°	±62'-0"	INTEGRATED	0	3	1	±85'	(1) DC9	0	0
	A4	COMMSCOPE NNHH-65B-R4	30°	±62'-0"	(1) 4478 B14	0	SHARED	SHARED	-	SHARED	0	0
BETA	B1	COMMSCOPE SBNHH-1D65C	270°	±130'-0"	(1) 4449 B5/B12, (1) 4415 B25	(2) ½" @ ±66'-10"	SHARED	SHARED	-	SHARED	0	0
	B2	COMMSCOPE SBNHH-1D65C	270°	±130'-0"	(1) 4426 B66, (SHARED 4449 B5/B12)	(2) ½" @ ±66'-10"	SHARED	SHARED	-	SHARED	0	0
	B3	ERICSSON AIR6449 B77D	270°	±62'-0"	INTEGRATED	0	SHARED	SHARED	-	SHARED	0	0
	B4	COMMSCOPE NNHH-65B-R4	270°	±62'-0"	(1) 4478 B14	0	SHARED	SHARED	-	SHARED	0	0
GAMMA	C1	COMMSCOPE SBNHH-1D65C	150°	±130'-0"	(1) 4449 B5/B12, (1) 4415 B25	(2) ½" @ ±66'-10"	3	1	±155'	(1) DC9	0	0
	C2	COMMSCOPE SBNHH-1D65C	150°	±130'-0"	(1) 4426 B66, (SHARED 4449 B5/B12)	(2) ½" @ ±66'-10"	SHARED	SHARED	-	SHARED	0	0
	C3	ERICSSON AIR6449 B77D	150°	±62'-0"	INTEGRATED	0	3	1	±85'	(1) DC9	0	0
	C4	COMMSCOPE NNHH-65B-R4	150°	±62'-0"	(1) 4478 B14	0	SHARED	SHARED	-	SHARED	0	0

RFDS DATE	08-28-23
RFDS REV	6.00

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



Issued For:
CCL05091
VASCO RD & VINEYARDS PKWY
BRENTWOOD, CA 94513

PREPARED FOR

5001 Executive Parkway
San Ramon, California 94583

Vendor:

COMPLETE
Wireless Consulting, Inc.

AT&T SITE NO: CCL05091
PROJECT NO: -
DRAWN BY: SEAD
CHECKED BY: J. GRAY
APPROVED BY: J. SPORE

ISSUE STATUS				
5	01/26/24	CLIENT REV	S.V.	
4	12/22/23	CLIENT REV	S.D.	
3	11/29/23	CLIENT REV	S.D.	
2	11/21/23	CD 100%	A.A.	
1	10/10/23	CLIENT REV	C.C.	
0	09/13/23	CD 90%	C.C.	
REV	DATE	DESCRIPTION	CAD	

Licensee:

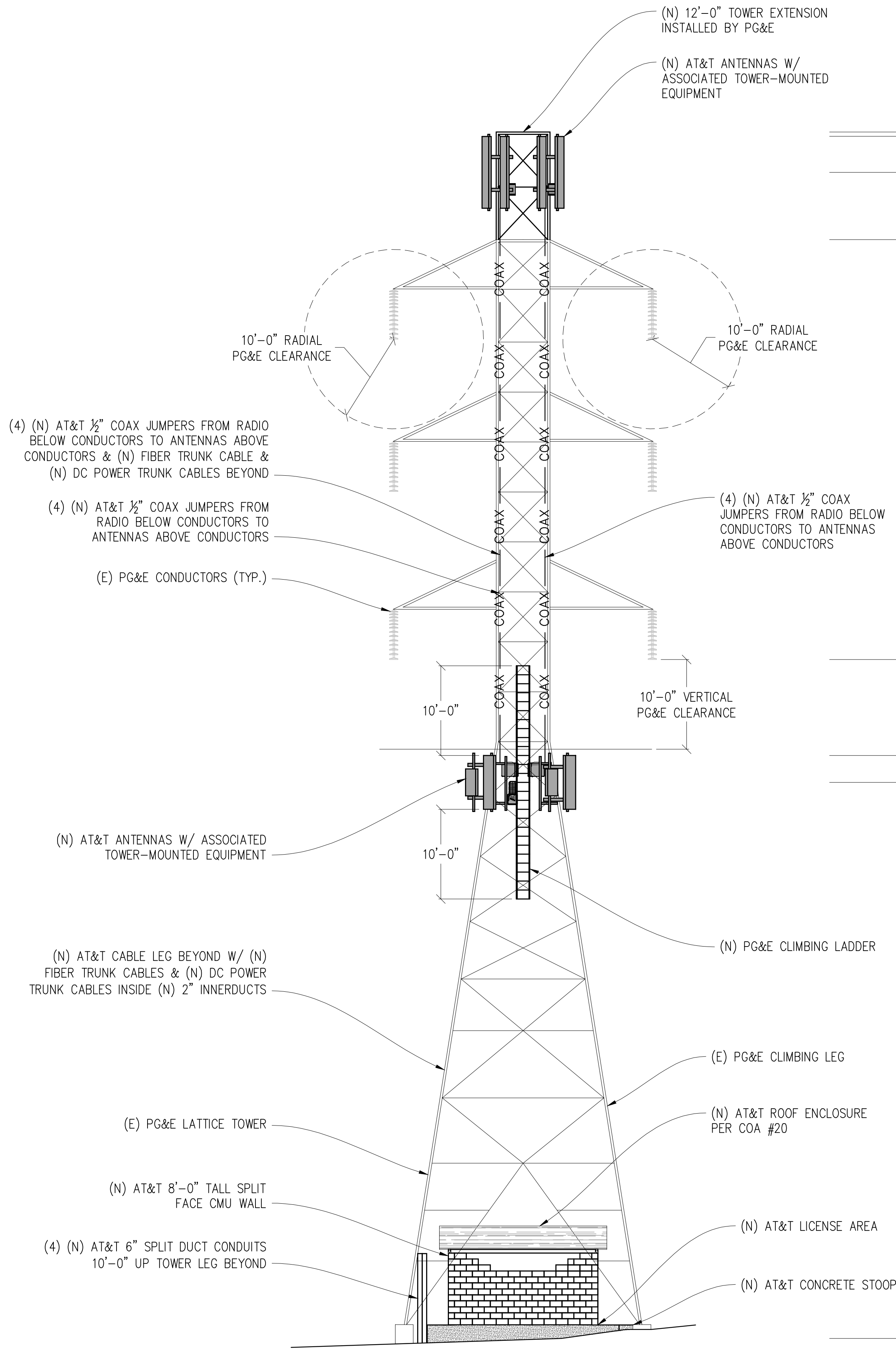
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ENGINEER:

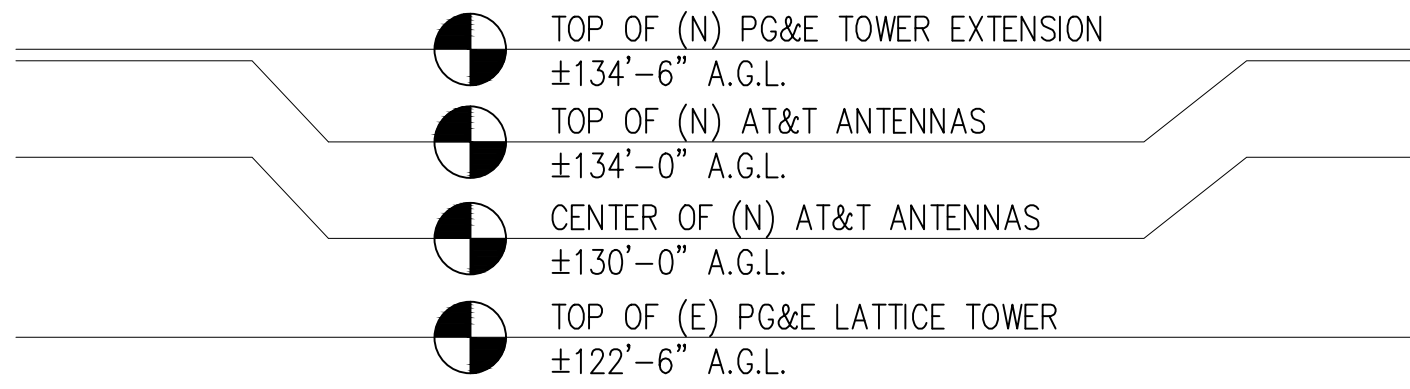
8445 Sierra College Blvd, Suite E Granite Bay, CA 95746
Contact: Kevin Sporensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941
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SHEET TITLE:
ANTENNA PLANS

SHEET NUMBER:
A-2.1

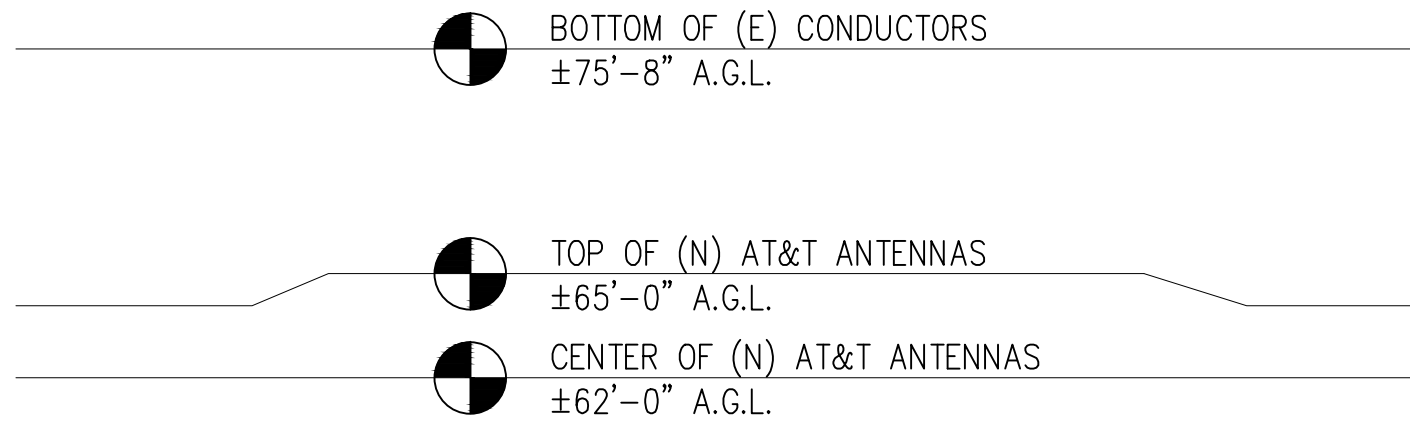


NORTHWEST ELEVATION
1/8"=1'-0"



AT&T TO INSTALL:

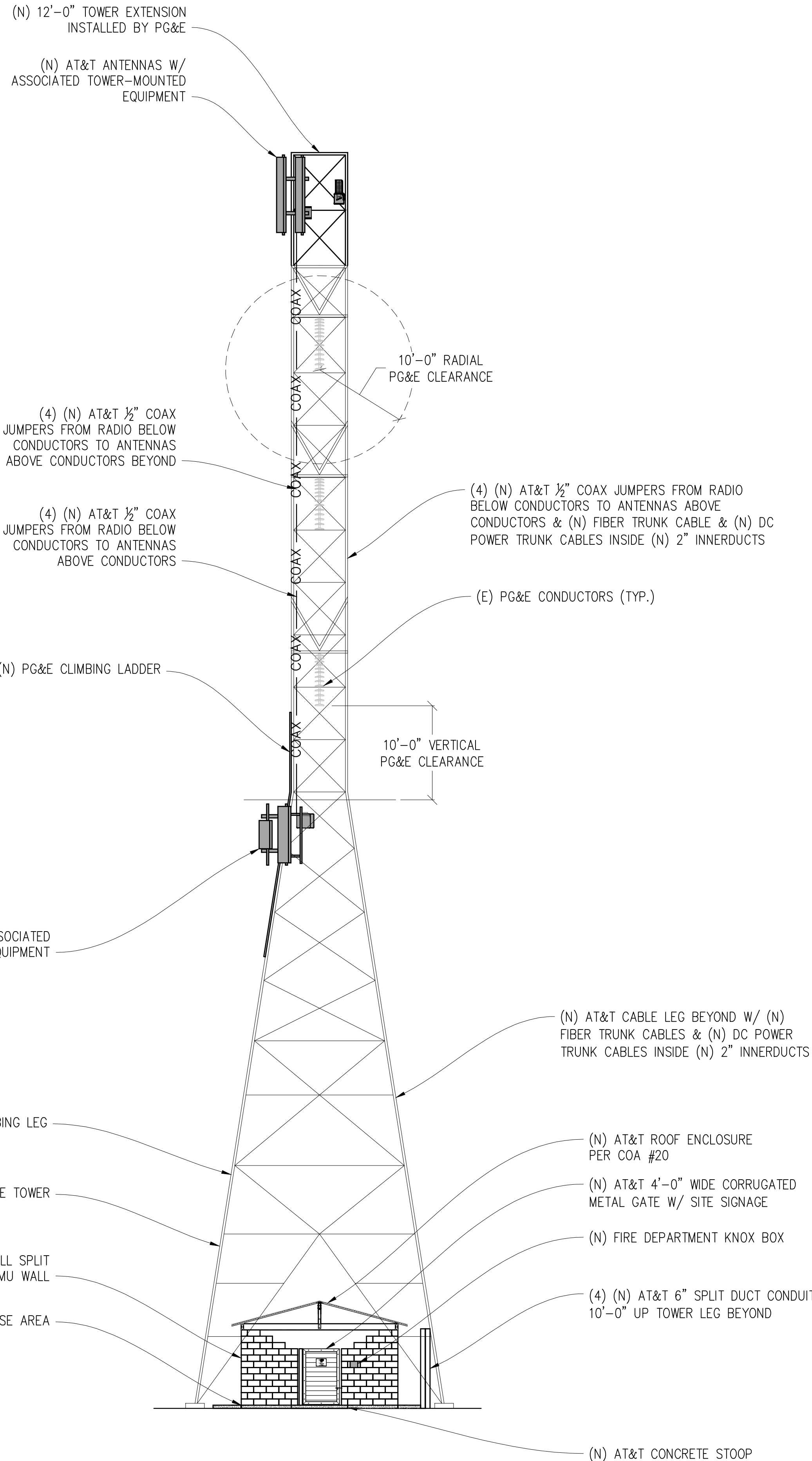
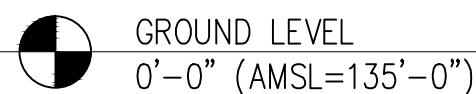
- (3) (N) FIBER TRUNK CABLES, (2) TO SURGE SUPPRESSORS BELOW CONDUCTORS & (1) TO SURGE SUPPRESSOR ABOVE CONDUCTORS
(9) (N) DC POWER TRUNK CABLES, (6) TO SURGE SUPPRESSORS BELOW CONDUCTORS & (3) TO SURGE SUPPRESSOR ABOVE CONDUCTORS
(12) TOTAL 1/2" COAX JUMPERS FROM RADIOS BELOW CONDUCTORS TO ANTENNAS ABOVE CONDUCTORS



NOTE: (N) FIBER TRUNK & DC POWER TRUNK CABLES TO BE ROUTED INSIDE (N) 2" INNERDUCTS ON TOWER.

NOTE:

1. ALL ANTENNAS & TOWER MOUNTED EQUIPMENT SHALL BE PAINTED (OR UTILIZE RF APPROVED FILM) TO COLOR ANTENNAS FLAT GRAY TO MATCH (E) TOWER (PER COA 19).
2. PAINTING TO TAKE PLACE ON GROUND PRIOR TO BEING INSTALLED ON TOWER. NO PAINTING ON TOWER.



SOUTHWEST ELEVATION
1/8"=1'-0"



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VASCO RD &
VINEYARDS
PKWY

BRENTWOOD, CA 94513

PREPARED FOR



5001 Executive Parkway
San Ramon, California 94583

Vendor:



AT&T SITE NO: CCL05091

PROJECT NO: -

DRAWN BY: SEAD

CHECKED BY: J. GRAY

APPROVED BY: J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
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2	11/21/23	CD 100%	A.A.
1	10/10/23	CLIENT REV	C.C.
0	09/13/23	CD 90%	C.C.

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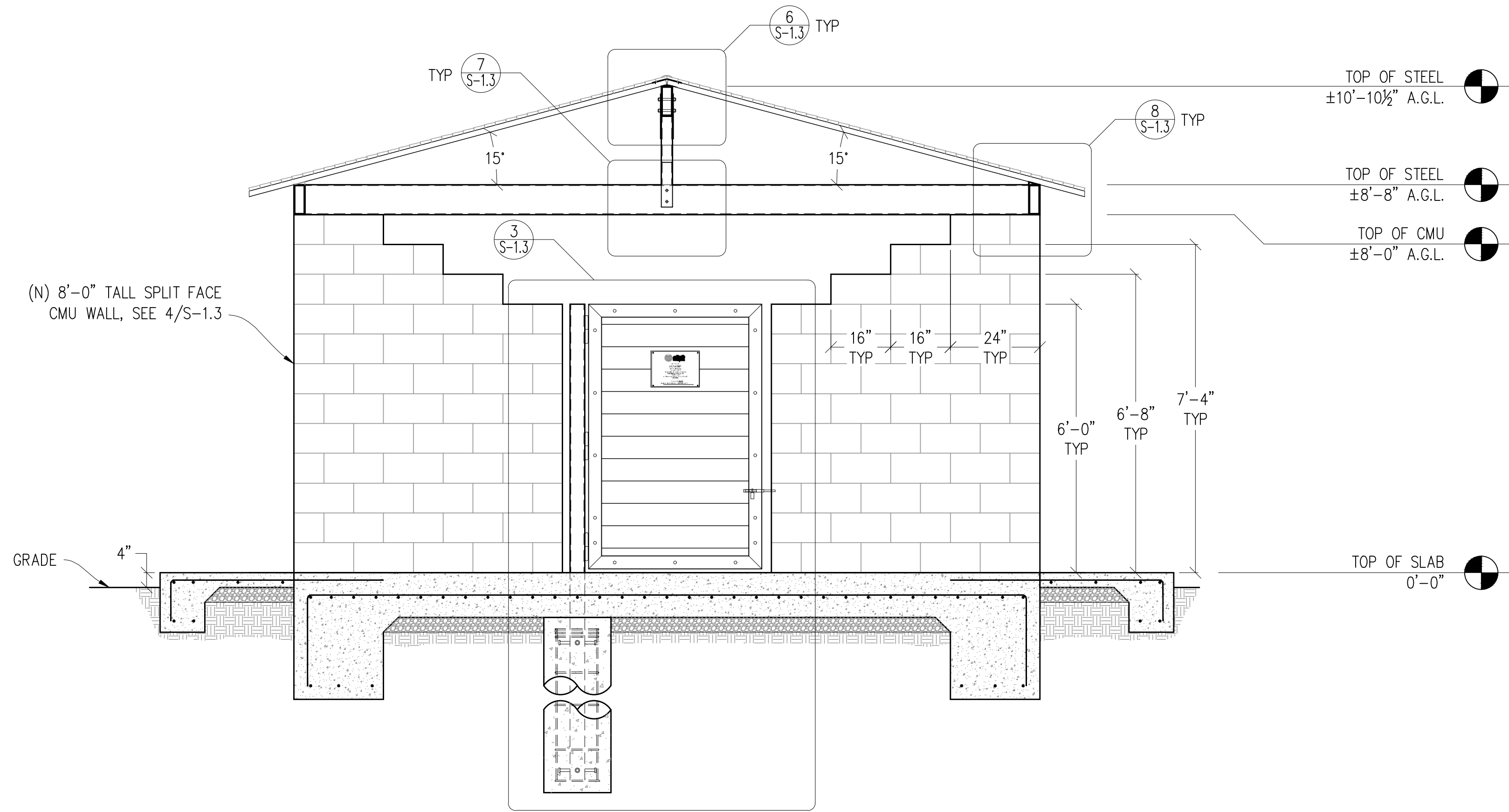


SHEET TITLE:

ELEVATIONS

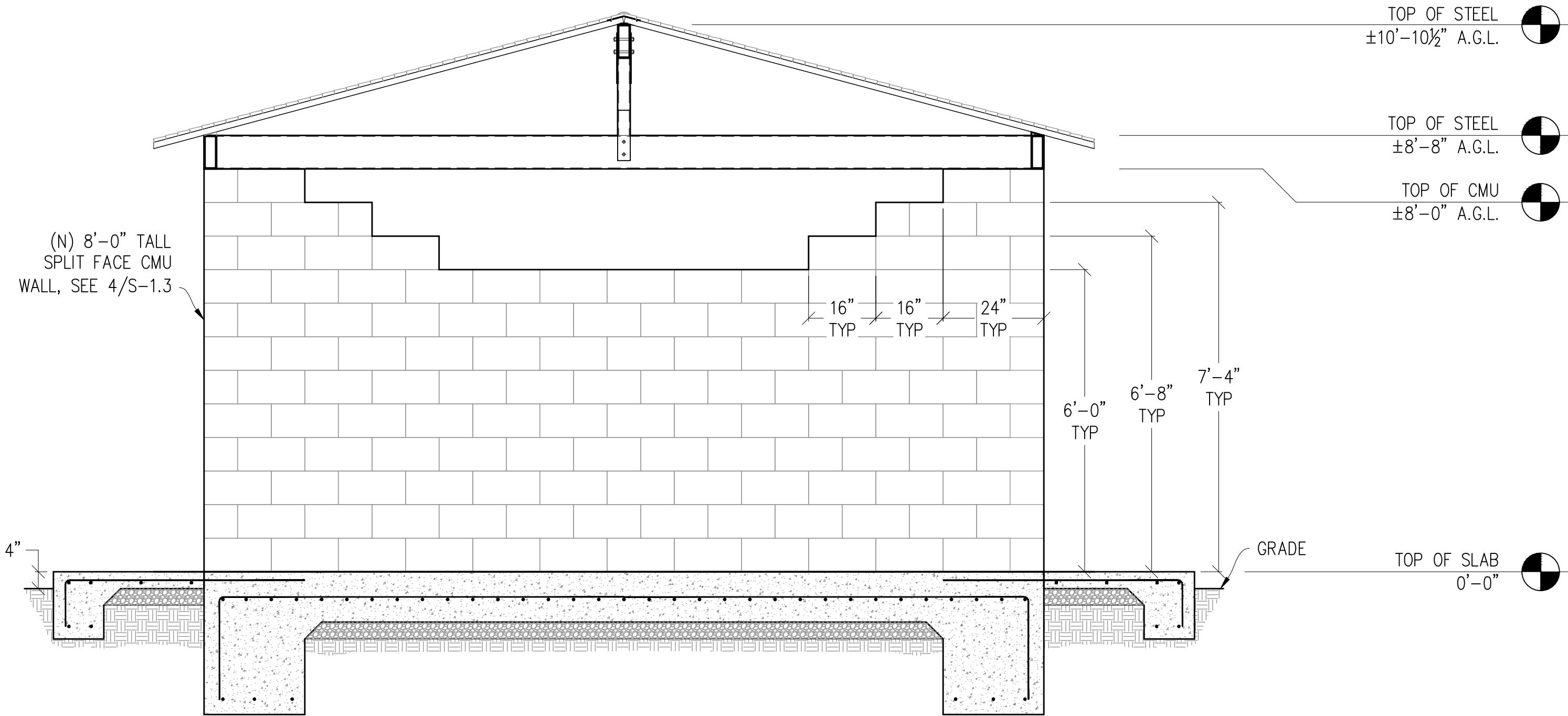
SHEET NUMBER:

A-3.1



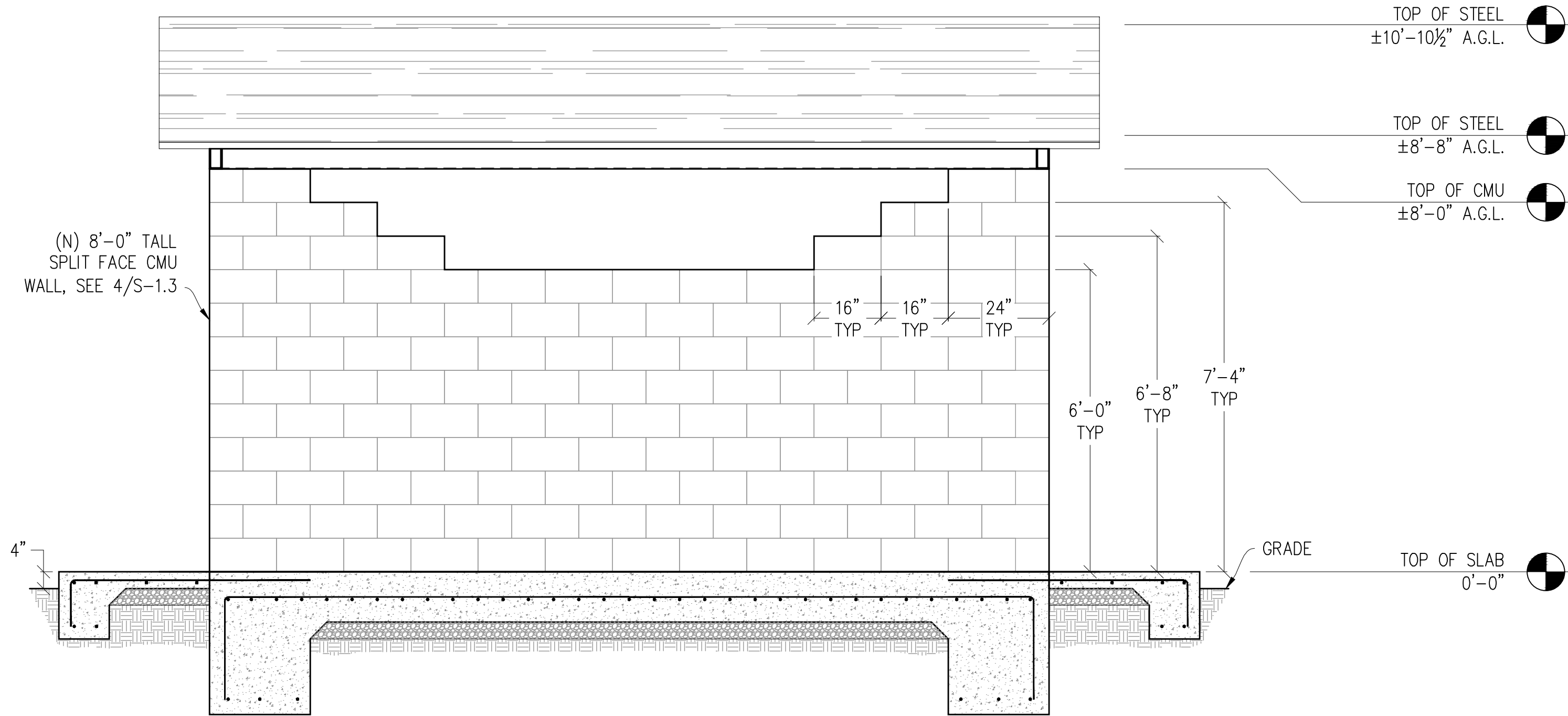
FRONT ELEVATION

1/2"=1'-0"



BACK ELEVATION

1/2"=1'-0"



SIDE ELEVATION (TYP)

1/2"=1'-0"

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CCL05091
VASCO RD &
VINEYARDS
PKWY

BRENTWOOD, CA 94513

PREPARED FOR



5001 Executive Parkway
San Ramon, California 94583

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AT&T SITE NO: CCL05091

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SHEET TITLE:

EQUIPMENT ENCLOSURE
ELEVATIONS

SHEET NUMBER:

A-3.2