

**PROJECT DESCRIPTION:**

CONSTRUCTION OF TELECOMMUNICATIONS AND PUBLIC UTILITY FACILITY, CONSISTING OF A 65' MONOPINE WITH (12) 8' ANTENNAS, (6) RRU'S, (1) 2' MICROWAVE, (1) GPS ANTENNA, REQUIRED ANTENNA CABLING, HCS JUMPERS, (2) GROUND MOUNTED RADIO CABINETS, (1) BACK-UP DIESEL GENERATOR, (2) RAISED CONCRETE PADS, CABLE ICE BRIDGE, UTILITY BACKBOARD AND MULTI-METER UTILITY SERVICE MOUNTED ON H-FRAME WITHIN A 50'x50' FENCED LEASE AREA. NO WATER OR SEWER SERVICE IS REQUIRED. THIS WILL BE AN UNMANNED FACILITY.

**CODE COMPLIANCE:**

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 CONSTRUCTED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

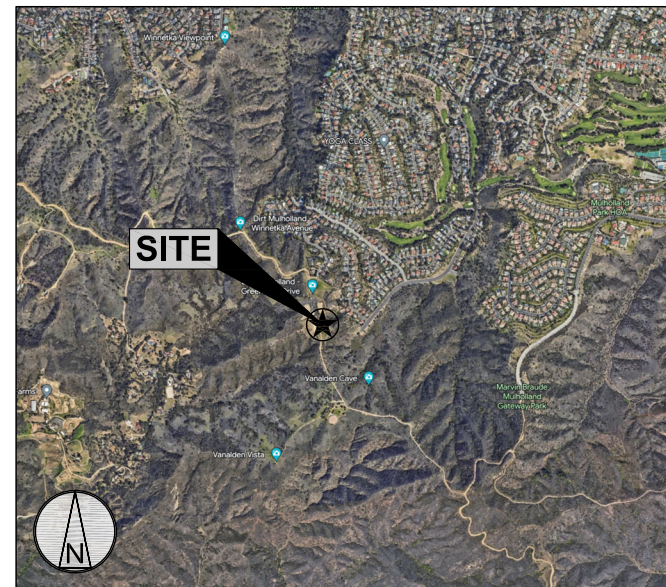
- 2022 CALIFORNIA BUILDING CODE
- 2022 CALIFORNIA TITLE 24
- 2022 CALIFORNIA FIRE CODE
- 2022 CALIFORNIA ELECTRIC CODE
- 2022 CALIFORNIA ENERGY CODE
- 2022 CALIFORNIA MECHANICAL CODE
- TIA/EIA-222-H OR LATEST EDITION
- ANY LOCAL BUILDING CODE AMENDMENTS TO THE ABOVE
- CITY/COUNTY ORDINANCES



**US-CA-7268 BRAEMAR  
PUBLIC RIGHT OF WAY  
MULHOLLAND DRIVE  
LOS ANGELES, CA 91356  
65' MONOPINE**

**TENANT SITE ID: SV14231B**

		APPROVAL BLOCK		
		APPROVED	APPROVED AS NOTED	DISAPPROVED REVISE
VERTICAL BRIDGE	DATE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SITE ACQUISITION	DATE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CONSTRUCTION MANAGER	DATE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PERMITTING	DATE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
RF ENGINEERING	DATE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



**VICINITY MAP**  
N.T.S.

DRAWING INDEX	
DRWG. #	TITLE
T1	TITLE SHEET
T2	GENERAL NOTES
T3	GENERAL NOTES AND ABBREVIATIONS
LS-1	TITLE SHEET
LS-2	TOPOGRAPHIC SURVEY
A1	SITE PLAN
A2	ENLARGED COMPOUND PLAN
A3	EQUIPMENT AND ANTENNA PLAN
A4	ELEVATIONS
D1	DETAILS
D2	DETAILS
D3	DETAILS
D4	DETAILS
D5	DETAILS
D6	DETAILS
E1	SINGLE-LINE DIAGRAM & PANEL SCHEDULE
E2	ELECTRICAL ROUTING PLAN
E3	ENLARGED POWER ROUTING PLAN
E4	COMPOUND GROUNDING PLAN
E5	EQUIPMENT GROUNDING PLAN
E6	GROUNDING DETAILS



**LOCATION MAP**  
N.T.S.

PROJECT INFORMATION	
SITE NAME:	BRAEMAR
SITE NUMBER:	US-CA-7268
TENANT SITE ID:	SV14231B
SITE ADDRESS:	PUBLIC RIGHT OF WAY MULHOLLAND DRIVE LOS ANGELES, CA 91356
PARCEL #:	PUBLIC RIGHT OF WAY
DEED REFERENCE:	N/A
ZONING CLASSIFICATION:	-
ZONING JURISDICTION:	CITY OF LOS ANGELES
CONSTRUCTION TYPE:	V-B
OCCUPANCY:	U (UNMANNED TELECOM FACILITY)
NO. OF STORIES:	1 (ENCLOSURE ONLY)
SPRINKLER:	NONE
STRUCTURE TYPE:	MONOPINE
STRUCTURE HEIGHT:	65'
CONSTRUCTION AREA:	2,500 SQ. FT.
GROUND ELEVATION:	1580.65' (NAVD88)
LATITUDE (NAD 83):	34.135200° (34° 08' 06.72" N)
LONGITUDE (NAD 83):	-118.565439° (118° 33' 55.58" W)

**EMERGENCY:**  
CALL 911



PROJECT DIRECTORY	
PROPERTY OWNER:	CITY OF LOS ANGELES – BUREAU OF ENGINEERING 201 N FIGUEROA ST. LOS ANGELES, CA 90012
APPLICANT:	VERTICAL BRIDGE 750 PARK OF COMMERCE DR. #200 BOCA RATON, FL 33487
CONTACT:	ASSURANCE DEVELOPMENT 1499 HUNTINGTON DR. #305 SOUTH PASADENA, CA 91030 CONTACT: BILL LEWIS PHONE: 626.765.5079
ARCHITECT:	DRAFTLINK 27068 LA PAZ ROAD #561 ALISO VIEJO, CA 92656 CONTACT: JOYCE YU PHONE: 949 232 5045
POWER COMPANY:	LADWP
TELCO COMPANY:	AT&T



750 PARK OF COMMERCE DR.  
SUITE 200 | BOCA RATON, FL | 33487  
561.948.6367

SITE ACQUISITION



**ASSURANCE DEVELOPMENT**

1499 HUNTINGTON DR. | SUITE 305  
SOUTH PASADENA, CA | 91030  
626.765.5079



**DRAFTLINK**

27068 LA PAZ RD. | SUITE 561  
ALISO VIEJO, CA | 92656  
949.232.5045

NO.	SUBMITTAL / REVISION	BY	DATE
2	CLIENT COMMENTS	JR	08/09/23
1	BOE COMMENTS	CV	07/11/23
0	ISSUED FOR CD	CV	03/22/23
A	ISSUED FOR REVIEW	CV	02/27/23

DRAWN: CV  
DESIGNED: CV  
CHECKED: APP

PROJECT NUMBER: US-CA-7268

PROJECT TITLE:  
**US-CA-7268  
SV14231B  
BRAEMAR**  
PUBLIC RIGHT OF WAY  
MULHOLLAND DRIVE  
LOS ANGELES, CA 91356

ENGINEER STAMP:

DRAWING TITLE:  
**TITLE SHEET**

DRAWING SCALE:  
AS NOTED

DATE: 02/27/23

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF APPLICABLE STATE AND / OR LOCAL LAWS

DRAWING NUMBER:  
**T1**

## GENERAL NOTES

1. THE LATEST EDITION OF THE AMERICAN INSTITUTE OF ARCHITECTS DOCUMENT A201 "GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION" ARE INCLUDED IN THESE SPECIFICATIONS AS IF COMPLETELY REPRODUCED HEREIN.
2. THESE NOTES SHALL BE CONSIDERED A PART OF THE WRITTEN SPECIFICATION.
3. THIS FACILITY IS AN UNOCCUPIED T-MOBILE TELECOMMUNICATIONS SITE AND IS EXEMPT FROM DISABLED ACCESS REQUIREMENTS.
4. PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTORS PARTICIPATING SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH ALL FIELD CONDITIONS AFFECTING THE PROPOSED PROJECT INCLUDING DEMOLITION, ELECTRICAL, MECHANICAL AND STRUCTURAL INSTALLATIONS, AS WELL AS WITH THE CONSTRUCTION AND CONTRACT DOCUMENTS AND SHALL CONFIRM THAT THE PROJECT CAN BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH THE CONSTRUCTION. SHOULD ANY ERRORS, OMISSION, OR DISCREPANCIES BE FOUND, THE GENERAL CONTRACTOR SHALL IMMEDIATELY NOTIFY SYNERGY AND THE PROJECT ARCHITECT / ENGINEER IN WRITING. IN THE EVENT OF DISCREPANCIES FOUND, THE GENERAL CONTRACTOR SHALL IMMEDIATELY NOTIFY SYNERGY AND THE PROJECT ARCHITECT / ENGINEER IN WRITING. IN THE EVENT OF DISCREPANCIES THE CONTRACTOR SHALL INCLUDE THE MORE COSTLY OR EXTENSIVE WORK IN THE BID, UNLESS SPECIFICALLY DIRECTED OTHERWISE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY ERROR, OMISSION, OR INCONSISTENCY AFTER THE START OF THE CONSTRUCTION WHICH HAS NOT BEEN BROUGHT TO THE ATTENTION OF THE PROJECT ARCHITECT / ENGINEER AND SHALL INCUR ANY EXPENSES TO RECTIFY THE SITUATION. THE MEANS OF CORRECTING ANY ERROR SHALL FIRST BE APPROVED BY THE PROJECT ARCHITECT / ENGINEER.
5. THE CONTRACTOR SHALL INCLUDE IN HIS OR HER BID ALL MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE THE WORK AS INDICATED OR IMPLIED BY THESE DRAWINGS.
6. THE CONTRACTOR SHALL PROVIDE CONTINUOUS SUPERVISION WHILE ANY SUBCONTRACTORS OR WORKMEN ARE IN THE SITE AND SHALL SUPERVISE AND DIRECT ALL WORK, USING HIS BEST SKILL AND ATTENTION. HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES AND SEQUENCES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
7. INSTALL ALL EQUIPMENT AND MATERIALS PER THE LATEST EDITION OF THE MANUFACTURER'S INSTALLATION SPECIFICATIONS UNLESS SPECIFICALLY OTHERWISE INDICATED, OR WHERE LOCAL CODES OR REGULATIONS PRECEDENCE.
8. THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL GIVE ALL NOTICES AND SHALL COMPLY WITH ALL APPLICABLE LOCAL CODES, REGULATIONS, LAWS AND ORDINANCES AS WELL AS STATE DEPARTMENT OF INDUSTRIAL REGULATIONS AND DIVISION OF INDUSTRIAL SAFETY (OSHA) REQUIREMENTS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL REMEDY ALL FAULTY, INFERIOR, AND/OR IMPROPER MATERIALS, DAMAGED GOODS, AND/OR FAULTY WORKMANSHIP FOR ONE (1) YEAR AFTER THE PROJECT IS COMPLETE AND ACCEPTED UNDER THIS CONTRACT; UNLESS NOTED OTHERWISE IN THE CONTRACT BETWEEN THE OWNER AND CONTRACTOR. (EXCEPTION) THE ROOFING SUBCONTRACTOR SHALL FURNISH A MAINTENANCE AGREEMENT FOR ALL WORK DONE, COSIGNED BY THE GENERAL CONTRACTOR, TO MAINTAIN THE ROOFING IN A WATER TIGHT CONDITION FOR A PERIOD OF TWO (2) YEARS STARTING AFTER THE DATE OF SUBSTANTIAL COMPLETION OF THE PROJECT, UNLESS OTHERWISE WRITTEN IN THE CONTRACT BETWEEN THE OWNER AND THE CONTRACTOR.
10. THE GENERAL CONTRACTOR MUST PERFORM WORK DURING PROPERTY OWNER'S PREFERRED HOURS TO AVOID DISRUPTION OF NORMAL ACTIVITY.
11. ALL EXPOSED METAL SHEET SHALL BE HOT-DIPPED GALVANIZED.
12. 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 CONSTRUCTION.
13. THE GOVERNING AGENCIES, CODE AUTHORITIES, AND BUILDING INSPECTORS SHALL PROVIDE THE MINIMUM STANDARDS FOR CONSTRUCTION TECHNIQUES, MATERIALS, AND FINISHES USED THROUGHOUT THE PROJECT TRADE STANDARDS AND/OR PUBLISHED MANUFACTURERS SPECIFICATIONS MEETING OR EXCEEDING DESIGN REQUIREMENTS SHALL BE USED FOR INSTALLATION.
14. PRIOR TO STARTING CONSTRUCTION OF THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR OR SUBCONTRACTOR SHALL BEAR THE EXPENSE OF REPAIRING OR REPLACING ANY DAMAGE TO THE UTILITIES CAUSED DURING THE EXECUTION OF THE WORK.
15. A COPY OF THE APPROVED PLANS SHALL BE KEPT IN A PLACE SPECIFIED BY THE GOVERNING AGENCY, AND BY LAW SHALL BE AVAILABLE FOR INSPECTION AT ALL TIMES.
16. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE ALL CONSTRUCTION SETS REFLECT THE SAME INFORMATION AS THE APPROVED PLANS. THE CONTRACTOR SHALL ALSO MAINTAIN ONE SET OF PLANS AT THE SITE FOR THE PURPOSE OF DOCUMENTING ALL AS-BUILT CHANGES, REVISIONS, ADDENDUMS, OR CHANGE ORDERS. THE CONTRACTOR SHALL FORWARD THE AS-BUILT DRAWINGS TO THE ARCHITECT/ENGINEER AND THE LANDLORD/LESSOR AT THE CONCLUSION OF THE PROJECT.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE SECURITY OF THE SITE FROM THE START TO THE COMPLETION OF THE PROJECT. THE CONTRACTOR SHALL MAINTAIN ACCESS TO THE SITE AT ALL TIMES FOR THE LANDLORD/LESSOR PERSONNEL.
18. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY POWER, WATER AND TOILET FACILITIES.
19. ALL CONSTRUCTION PHASES OF THE PROJECT SHALL CONFORM TO THE CURRENT CBC AND I.B.C. AND ALL OTHER GOVERNING CODES.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL SAFETY PRECAUTIONS AND REGULATIONS DURING THE WORK. THE ENGINEER WILL NOT ADVISE OR PROVIDE DIRECTION AS TO SAFETY PRECAUTIONS AND PROGRAMS.
21. THE CONTRACTOR SHALL SUPERVISE AND COORDINATE ALL WORK, USING HIS PROFESSIONAL KNOWLEDGE AND SKILLS. HE IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES, SEQUENCING AND COORDINATING ALL PORTIONS OF THE WORK.
22. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN AND PAY FOR ALL PERMITS, LICENSES AND/OR INSPECTIONS TO COMPLETE THE PROJECT. BUILDING PERMIT APPLICATIONS SHALL BE FILED BY THE OWNER OR HIS REPRESENTATIVE. CONTRACTOR SHALL OBTAIN THE PERMIT AND MAKE FINAL PAYMENT OF THE SAID DOCUMENT.

## GENERAL NOTES (CONTINUATION)

23. ALL DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE UNLESS OTHERWISE NOTED.
24. (N) CONSTRUCTION ADDED TO EXISTING CONSTRUCTION SHALL BE MATCHED IN FORM, TEXTURE, MATERIAL AND PAINT COLOR EXCEPT AS NOTED IN THE PLANS.
25. WHERE SPECIFIED, MATERIALS TESTING SHALL BE TO THE LATEST STANDARDS AVAILABLE AS REQUIRED BY THE LOCAL GOVERNING AGENCY RESPONSIBLE FOR RECORDING THE RESULTS.
26. ALL GENERAL NOTES AND STANDARD DETAILS ARE THE MINIMUM REQUIREMENTS TO BE USED IN CONDITIONS WHICH ARE NOT SPECIFICALLY SHOWN OTHERWISE.
27. ALL DEBRIS AND REFUSE IS TO BE REMOVED FROM THE PROJECT DAILY. PREMISES SHALL BE LEFT IN A CLEAN/SWEPT CONDITION AT ALL TIMES.
28. ALL SYMBOLS AND ABBREVIATIONS ARE CONSIDERED CONSTRUCTION INDUSTRY STANDARDS. IF A CONTRACTOR HAS A QUESTION REGARDING THEIR EXACT MEANING THE ARCHITECT/ENGINEER SHALL BE NOTIFIED FOR CLARIFICATIONS.
29. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE METHODS, TECHNIQUES AND SEQUENCES OF PROCEDURES TO PERFORM THE WORK. THE SUPERVISION OF THE WORK IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
30. CONTRACTORS SHALL BID WALK THE PROJECT TO ASCERTAIN CONDITIONS WHICH MAY ADVERSELY AFFECT THE WORK OR COST THEREOF.
31. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, THE DIMENSIONS, ELEVATIONS, ETC. NECESSARY FOR THE PROPER CONSTRUCTION AND ALIGNMENT OF THE (N) WORK TO THE EXISTING WORK. THE CONTRACTOR SHALL MAKE ALL MEASUREMENTS NECESSARY FOR THE FABRICATION AND ERECTION OF STRUCTURAL MEMBERS. ANY DISCREPANCY SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK AND MATERIALS INCLUDING THOSE FURNISHED BY THE SUBCONTRACTOR(S).
32. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HEREON OR NOT, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR ALL EXPENSE OF REPAIR OR REPLACEMENT IN CONJUNCTION WITH THE EXECUTION OF THIS WORK. GENERAL CONTRACTOR SHALL NOTIFY THE ENGINEER AND ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES FOUND WITHIN THE CONTRACT DOCUMENTS, PRIOR TO STARTING WORK.
33. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN WORK, SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF WORK, SHALL BE RELOCATED AS DIRECTED BY ENGINEERS. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR PIER DRILLING AROUND OR NEAR UTILITIES.
34. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF WORK, SHALL BE REMOVED AND SHALL BE CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF WORK, SUBJECT TO THE APPROVAL OF THE ENGINEER.
35. NO CHANGES ARE TO BE MADE TO THESE PLANS WITHOUT THE KNOWLEDGE AND WRITTEN CONSENT OF THE ARCHITECT/ENGINEER. UNAUTHORIZED CHANGES RENDER THESE DRAWINGS VOID.
36. ANY REFERENCES TO THE WORDS APPROVED, OR APPROVAL IN THESE DOCUMENTS SHALL BE HERE DEFINED TO MEAN GENERAL ACCEPTANCE OR REVIEW AND SHALL NOT RELIEVE THE CONTRACTOR AND/OR HIS SUBCONTRACTORS OF ANY LIABILITY IN FURNISHING THE REQUIRED MATERIALS OR LABOR SPECIFIED.
37. A PRE-CONSTRUCTION CONFERENCE OF REPRESENTATIVES FROM AFFECTED AGENCIES SHALL BE HELD ON THE JOB AT LEAST ONE (1) WEEK PRIOR TO BEGINNING CONSTRUCTION.
38. DRAWINGS ARE NOT TO BE SCALED UNDER ANY CIRCUMSTANCES, WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALE, AND THIS SET OF PLANS IS INTENDED TO BE USED FOR DIAGRAMMATIC PURPOSES ONLY, UNLESS NOTED OTHERWISE. CONTRACTOR SHALL PROVIDE FIELD MEASUREMENTS AS NECESSARY TO COMPLETE ALL WORKS AND 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. SYNERGY IS NOT RESPONSIBLE FOR ANY ERRORS RESULTING FROM THIS PRACTICE WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALE SHOWN ON PLANS.
39. 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.

## SITE PREPARATION NOTES

1. THE PREPARATION OF THE SITE FOR CONSTRUCTION SHALL INCLUDE THE REMOVAL OF ALL BROKEN CONCRETE, TREE TRUNKS AND ANY OTHER DEBRIS THAT MIGHT DAMAGE THE FOOTINGS OF THE (N) STRUCTURE.
2. BACKFILL ALL TRENCHES WITH CLEAN, STERILE SOIL HAVING A SAND EQUIVALENT OF 30% OR GREATER. BACKFILL IN 8 INCH LAYERS, MOISTURE CONDITIONED AND PROPERLY COMPACTED. ADEQUATE DRAINAGE SHALL BE PROVIDED SUCH THAT NO PONDING OCCURS.
3. ALL FOUNDATION FOOTINGS SHALL EXTEND INTO AND BEAR AGAINST NATURAL UNDISTURBED SOIL OR APPROVED COMPACTED FILL. FOOTINGS SHALL EXTEND INTO SOIL DEPTH AS INDICATED IN PLANS.
4. SHOULD ANY LOOSE FILL, EXPANSIVE SOIL, GROUND WATER OR ANY OTHER UNEXPECTED CONDITIONS BE ENCOUNTERED DURING THE EXCAVATION FOR THE (N) FOUNDATION, THE ARCHITECT/ENGINEER SHALL BE NOTIFIED AND ALL FOUNDATION WORK SHALL CEASE IMMEDIATELY.
5. WITHIN AN AREA A MINIMUM OF 5 FEET BEYOND THE BUILDING LIMITS, EXCAVATE A MINIMUM OF 4" OF EXISTING SOIL. REMOVE ALL ORGANICS, PAVEMENT, ROOTS, DEBRIS AND OTHERWISE UNSUITABLE MATERIAL.
6. THE SURFACE OF THE EXPOSED SUBGRADE SHALL BE INSPECTED BY PROBING OR TESTING TO CHECK FOR POCKETS OF SOFT OR UNSUITABLE MATERIAL. EXCAVATE UNSUITABLE SOIL AS DIRECTED BY THE GEOTECHNICAL ENGINEER/TESTING AGENCY.
7. PROOF ROLL THE SURFACE OF THE EXPOSED SUBGRADE WITH A LOADED TANDEM AXLE DUMP TRUCK. REMOVE ALL SOILS WHICH PUMP OR DO NOT COMPACT PROPERLY AS DIRECTED BY THE GEOTECHNICAL ENGINEER/TESTING AGENCY.
8. FILL ALL EXCAVATED AREAS WITH APPROVED CONTROLLED FILL. PLACE IN 8" LOOSE LIFTS AND THE MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D-698. COMPACT TO A MINIMUM OF 90% RELATIVE COMPACTION.

## SITE PREPARATION NOTES (CONTINUATION)

9. ANY STRUCTURAL DRAWINGS HERE IN REPRESENT THE FINISHED STRUCTURE. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY GUYING AND BRACING REQUIRED TO ERECT AND HOLD THE STRUCTURE IN PROPER ALIGNMENT UNTIL ALL STRUCTURAL WORK AND CONNECTIONS HAVE BEEN COMPLETED. THE INVESTIGATION, DESIGN, SAFETY, ADEQUACY AND INSPECTION OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
10. THE ARCHITECT/ENGINEER IS NOT RESPONSIBLE FOR COMPLICATIONS, DAMAGES, INJURY, OR DEATH ARISING OUT OF ANY KIND OF NEGLIGENCE PRIOR TO COMPLETION OF THE FINISHED STRUCTURE.
11. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL PROTECT ALL AREAS FROM DAMAGE WHICH MAY OCCUR DURING CONSTRUCTION. ANY DAMAGE TO (N) OR EXISTING SURFACES, STRUCTURES OR EQUIPMENT SHALL BE IMMEDIATELY REPAIRED OR REPLACED TO THE SATISFACTION OF THE PROPERTY OWNER. THE CONTRACTOR SHALL BEAR THE EXPENSE OF REPAIRING OR REPLACING ANY DAMAGED AREAS.
12. WHEN REQUIRED STORAGE OF MATERIALS OCCURS, THEY SHALL BE EVENLY DISTRIBUTED OVER THE FLOOR OR ROOF SO AS NOT TO EXCEED THE DESIGNED LIVE LOADS FOR THE STRUCTURE. TEMPORARY SHORING OR BRACING SHALL BE PROVIDED WHERE THE STRUCTURE OR SOIL HAS NOT ATTAINED THE DESIGN STRENGTH FOR THE CONDITIONS PRESENT.
13. PRIOR TO PROCEEDING WITH ANY WORK WITHIN AN EXISTING FACILITY, THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH EXISTING STRUCTURAL AND OTHER CONDITIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL NECESSARY BRACING, SHORING AND OTHER SAFEGUARDS TO MAINTAIN ALL PARTS OF THE EXISTING WORK IN A SAFE CONDITION DURING THE PROCESS OF DEMOLITION AND CONSTRUCTION AND TO PROTECT FROM DAMAGE THOSE PORTIONS OF THE EXISTING WORK WHICH ARE TO REMAIN.

## LANDLORD/LESSOR NOTES

1. A PRECONSTRUCTION CONFERENCE OF REPRESENTATIVES FROM APPLICABLE AGENCIES SHALL BE HELD ON SITE AT LEAST ONCE PRIOR TO BEGINNING CONSTRUCTION AT WHICH TIME A CONSTRUCTION SCHEDULE AND 24-HOUR CONTACT INFORMATION SHALL BE PROVIDED TO LANDLORD/LESSOR.
2. CONTRACTOR SHALL MAINTAIN ACCESS TO THE SITE AT ALL TIMES FOR LANDLORD/LESSOR PERSONNEL. OPEN TRENCHES SHALL BE PROPERLY PLATED AT THE END OF EACH WORKING DAY TO ALLOW FOR 24-HOUR LANDLORD/LESSOR ACCESS TO THE SITE.
3. THE CONTRACTOR AND CELL CARRIER SHALL BE RESPONSIBLE FOR ANY DAMAGE DUE TO CONSTRUCTION ACTIVITIES TO THE EXISTING SITE AND SHALL RETURN DAMAGED FACILITIES TO EXISTING CONDITION OR BETTER AT NO COST TO THE LANDLORD/LESSOR.
4. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (DIG ALERT) AT LEAST TWO (2) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION AT 1-800-422-4133.
5. ALL (N) AND EXISTING FACILITIES OWNED BY THE REPRESENTED CELLULAR CARRIER SHALL BE PROPERLY TAGGED IDENTIFYING THE OWNER'S NAME AND 24-HOUR PHONE NUMBER.
6. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THE SITE IS SECURE DURING BOTH WORKING AND NON-WORKING HOURS.

## GENERAL RF NOTES

1. ALL ANTENNAS AND ANTENNA CABLE SHALL BE FURNISHED BY T-MOBILE WIRELESS AND INSTALLED BY ANTENNA INSTALLATION CONTRACTOR.
2. PRIOR TO INSTALLATION OF ANTENNAS THE CONTRACTOR SHALL VERIFY THAT THE AZIMUTH AND DIMENSIONS SHOWN ON THE PLANS MATCH ACTUAL FIELD CONDITIONS.
3. ANTENNA INSTALLATION CONTRACTOR SHALL PROVIDE ALL CONDUIT, CABLE TRAYS, GROUND KITS, CLAMPS, GROUNDS, ETC., FOR COMPLETE INSTALLATION OF ANTENNAS AND CABLES SHOWN AND INTENDED AS REQUIRED FOR A COMPLETE OPERATING SYSTEM IN ACCORDANCE WITH T-MOBILE WIRELESS STANDARDS.
4. ANTENNA CONDUIT SHALL INCLUDE FACTORY-MADE LARGE RADIUS SWEEPS AT ALL CHANGES IN DIRECTION. SWEEP RADIUS SHALL BE AS REQUIRED TO MEET COAX MANUFACTURER'S MINIMUM BENDING RADIUS.
5. ALL UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC WITH STEEL BENDS. ALL EXPOSED CONDUIT ABOVE GRADE LEVEL SHALL BE IMC OR RIGID GALVANIZED. ALL EXPOSED CONDUIT PROTECTED IN A BUILDING OR ON A ROOF SHALL BE EMT OR UV STABILIZED, PAINTED, SCHEDULE 80 PVC.
6. IN HIGH TRAFFIC AREAS OR WHERE SUSCEPTIBLE TO DAMAGE CONTRACTOR SHALL PROVIDE FORMED 14 GA GALVANIZED SHEET METAL COVER OVER COAXIAL CABLE ROUTES. WHERE CABLE IS RUN ON THE WALL, ATTACH UNISTRUT TO WALL AND COVER WITH 14 GA GALVANIZED FORMED SHEET METAL COVER OR MATERIAL AS DIRECTED BY T-MOBILE WIRELESS PROJECT MANAGER.
7. VERIFY ROUTE AND LENGTH OF CABLE PRIOR TO CUTTING. ADJUST INDICATED ROUTE AS REQUIRED TO CLEAR EXISTING OBSTRUCTIONS AND MAINTAIN REQUIRED CLEARANCE FROM EXISTING EQUIPMENT AND FACILITIES.
8. MAXIMUM LENGTH OF 7/8" COAXIAL CABLE SHALL BE 140'-0". MAXIMUM LENGTH OF 1-5/8" COAXIAL CABLE SHALL BE 240'-0".
9. VERIFY MODEL NUMBERS OF ANTENNAS WITH T-MOBILE WIRELESS SERVICES.
10. THE CONTRACTOR SHALL PROVIDE TESTING OF ANTENNAS AND SHALL PROVIDE DOCUMENTATION TO THE T-MOBILE WIRELESS PROJECT MANAGER.
11. INSTALL EMBOSSED ALUMINUM IDENTIFICATION TAGS AT THE END OF THE MAIN COAXIAL CABLE RUNS, ALONG WITH THE END OF THE JUMPER CABLE LOCATED WITHIN THE PLINTH SECTION OF THE BTS UNIT.

## SHOP DRAWING REVIEW

1. REVIEW BY THE ARCHITECT/ENGINEER IS FOR GENERAL COMPLIANCE WITH THE DESIGN CONCEPT AND THE CONTRACT DOCUMENTS. MARKINGS OR COMMENTS SHALL NOT BE CONSTRUED AS RELIEVING THE CONTRACTOR FROM COMPLIANCE WITH THE PROJECT PLANS AND SPECIFICATIONS, NOR DEPARTURES THERE FROM. THE CONTRACTOR REMAINS RESPONSIBLE FOR DETAILS AND ACCURACY. FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, FOR SELECTION FABRICATION PROCESSES.

## CONCRETE

1. ALL POURED-IN-PLACE CONCRETE SHALL HAVE AN ULTIMATE COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. UNLESS OTHERWISE NOTED, CEMENT TO BE TYPE-II OR TYPE-V FROM TESTED STOCK PER ASTM C-150.
2. CONCRETE FORM TOLERANCES SHALL BE WITHIN THE STANDARDS SET BY THE AMERICAN CONCRETE INSTITUTE.
3. ALL REINFORCING STEEL, ANCHOR BOLTS, DOWELS OR OTHER INSERTS SHALL BE SECURED IN POSITION AND INSPECTED BY THE LOCAL BUILDING DEPARTMENT INSPECTOR PRIOR TO THE POURING OF ANY CONCRETE.
4. NO PIPES OR DUCTS SHALL BE PLACED IN STRUCTURAL CONCRETE UNLESS SPECIFICALLY DETAILED. REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR LOCATIONS.
5. FORM EXPOSED CORNERS OF COLUMNS, BEAMS, WALLS, ETC. WITH 3/4" CHAMFERS UNLESS DETAILED OTHERWISE.
6. PROVIDE LIGHT BROOM FINISH ON ALL EXPOSED CONCRETE UNLESS NOTED OTHERWISE.

## REINFORCING STEEL

1. REINFORCING STEEL SHALL CONFORM TO ASTM A-615 GRADE 60 U.N.O.
2. BARS SHALL BE CLEAN OF MUD, OIL, OR OTHER COATINGS LIKELY TO IMPAIR BONDING.
3. ALL REINFORCING SHALL BE SECURED IN PLACE PRIOR TO PLACING CONCRETE OR GROUTING MASONRY. ALL REINFORCING SHALL BE CHAIRED TO ENSURE PROPER CLEARANCES. SUPPORT OF FOUNDATION REINFORCING MUST PROVIDE ISOLATION FROM MOISTURE/CORROSION BY USE OF A PLASTIC OR CONCRETE CHAIR. DUCT-TAPE IS NOT AN ACCEPTABLE MOISTURE/CORROSION PROTECTION.
4. REINFORCING STEEL SHALL BE SPLICED AS SHOWN OR NOTED. SPLICES AT OTHER LOCATIONS SHALL BE REVIEWED BY THE STRUCTURAL ENGINEER. ALL VERTICAL WALL REINFORCEMENT SHALL BE CONTINUOUS BETWEEN SPLICE LOCATIONS SHOWN IN THE DRAWINGS.
5. ALL GRADE 60 REINFORCING TO BE WELDED SHALL BE ASTM A706.
6. CLEAR CONCRETE COVERAGE IS AS FOLLOWS:  
CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3"  
EXPOSED TO EARTH OR WEATHER  
#6 OR LARGER 2"  
#5 AND SMALLER 1-1/2"  
COLUMNS (TO TIES) 1-1/2"  
BEAMS (TO STIRRUPS) 1-1/2"  
FLAT SLABS 3/4"  
WALLS SEE SCHEDULE AND OR DETAILS  
ALL OTHER PER LATEST EDITION OF ACI 318

## STRUCTURAL NOTES (CONTINUATION)

6. MATERIAL CONFORMANCE:  
A. WIDE FLANGE STEEL SECTIONS PER ASTM A572 OR A992 WITH  $F_y = 50$  KSI  
B. PIPES SECTIONS PER ASTM A501 WITH  $F_y = 36$  KSI  
C. TUBE STEEL SECTIONS PER ASTM A500 WITH  $F_y = 46$  KSI  
D. COLD FORMED STEEL PER ASTM A653 WITH  $F_y = 50$  KSI  
E. WELDING ELECTRODES PER AWS CODE, E70XX UNLESS NOTED OTHERWISE ON PLANS  
F. ALL OTHER MISCELLANEOUS STEEL SHALL BE ASTM A36 WITH  $F_y = 36$  KSI UNLESS NOTED OTHERWISE ON THE PLANS

## MASONRY

1. CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90, MEDIUM WEIGHT, GRADE N WITH  $F_m = 1500$  PSI.
2. MORTAR TYPE S,  $F_m = 1800$  PSI
3. PROVIDE EXPANSION JOINTS IN MASONRY WALLS EVERY 24'-0" O.C.
4. VERTICAL REINFORCING SHALL BE 1 #5 VERTICAL IN CENTER OF GROUTED CELL CONTINUOUS FULL HEIGHT OF WALL AT ALL CORNERS, INTERSECTIONS, WALL ENDS, BEAM BEARINGS, JAMBS, EACH SIDE OF CONTROL JOINTS AND AT INTERVALS NOT TO EXCEED 48" O.C. UNLESS NOTED OTHERWISE ON THE PLANS. TIE AT 8'-0" O.C. VERTICALLY WITH SINGLE WIRE LOOP TIE BY AA WIRE PRODUCTS COMPANY OR EQUIVALENT. DOWEL VERTICAL REINFORCING TO FOUNDATION WITH DOWELS TO MATCH VERTICAL REINFORCING.
5. HORIZONTAL REINFORCING SHALL CONSIST OF 2 #5 CONTINUOUS AT ELEVATED FRAMING ASSEMBLIES. 1 #5 CONTINUOUS AT TOP OF PARAPETS AND FREESTANDING WALLS. PLACE THESE BARS CONTINUOUS THROUGH CONTROL JOINTS. INSTALL BENT BARS TO MATCH HORIZONTAL REINFORCING AT CORNERS AND INTERSECTIONS TO MAINTAIN BOND BEAM CONTINUITY. STANDARD WEIGHT (NO. 9 GAGE WIRE) DUR-0-WALL OR DUR-0-WIRE (OR EQUIVALENT) LADDER TYPE JOINT REINFORCING AT 16" O.C. LAP LADDER TYPE JOINT REINFORCING 12" MINIMUM.
6. LAP SPLICES FOR VERTICAL AND HORIZONTAL REINFORCING SHALL BE PER TYPICAL DETAILS. DO NOT SPLICE WITHIN 8'-0" OF CONTROL JOINTS.

CLIENT



750 PARK OF COMMERCE DR.  
SUITE 200 | BOCA RATON, FL | 33487  
561.948.6367

SITE ACQUISITION



1499 HUNTINGTON DR. | SUITE 305  
SOUTH PASADENA, CA | 91030  
626.765.5079



27068 LA PAZ RD. | SUITE 561  
ALISO VIEJO, CA | 92656  
949.232.5045

NO.	SUBMITTAL / REVISION	BY	DATE
2	CLIENT COMMENTS	JR	08/09/23
1	BOE COMMENTS	CV	07/11/23
0	ISSUED FOR CD	CV	03/22/23
A	ISSUED FOR REVIEW	CV	02/27/23

DRAWN:	CV
DESIGNED:	CV
CHECKED:	APP

PROJECT NUMBER: US-CA-7268

PROJECT TITLE:  
**US-CA-7268**  
**SV14231B**  
**BRAEMAR**  
PUBLIC RIGHT OF WAY  
MULHOLLAND DRIVE  
LOS ANGELES, CA 91356

ENGINEER STAMP:

DRAWING TITLE:  
**GENERAL NOTES**

DRAWING SCALE:  
AS NOTED

DATE:  
02/27/23

**CD**

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DRAWING NUMBER:

**T2**

**SPECIAL STRUCTURAL INSPECTION – STRUCTURAL ONLY**

1. SPECIAL STRUCTURAL INSPECTION IS TO BE PROVIDED FOR THE ITEMS LISTED BELOW IN ADDITION TO THE INSPECTIONS CONDUCTED BY THE BUILDING JURISDICTION. SPECIAL STRUCTURAL INSPECTION IS REQUIRED FOR THE FOLLOWING:

VERIFICATION AND INSPECTION	INSPECTION TYPE		REFERENCE STANDARD
	CONTINUOUS	PERIODIC	
STEEL CONSTRUCTION: WELDING AT FLOOR AND ROOF DECK WELDS FOR REINFORCING STEEL FOR STRUCTURAL STEEL		X X X	AWS D1.3 AWS D1.4, ACI 318
CONSTRUCTION CONCRETE: REINFORCING STEEL POST-INSTALLED ANCHORS USE OF REQUIRED DESIGN MIX		X X X	ACI 318: 3.5.7.1-7.7 ACI 318: 3.8.6,8.1.3, 21.2.8 ACI 318: CHAPTER 4, 5.2-5.4
MASONRY CONSTRUCTION:  REINFORCING STEEL GROUT PLACEMENT CLEANOUTS PRIOR TO CLOSURE POST-INSTALLED ANCHORS	X  X	X  X	TMS 402 AND 602, ACI 530, ASCE 5 AND 6  ICC REPORT PER DETAIL

- THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED TO BE CERTAIN THAT IT CONFORMS TO THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS. THE SPECIAL INSPECTOR IS NOT AUTHORIZED TO APPROVE DEVIATIONS FROM THE DESIGN DRAWINGS OR SPECIFICATIONS AND ALL DEVIATIONS MUST BE APPROVED BY THE ENGINEER OF RECORD PRIOR TO PROCEEDING WITH THE WORK. ALL REQUESTS FOR DEVIATIONS SHALL BE INITIATED BY THE CONTRACTOR VIA A WRITTEN REQUEST FOR INFORMATION.
- THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL AND TO THE ENGINEER OF RECORD. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF UNCORRECTED TO THE DESIGN AUTHORITY AND THE BUILDING OFFICIAL.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE SPECIAL INSPECTOR ACCESS TO ALL ITEMS REQUIRING SPECIAL INSPECTION. INSPECTOR IS NOT AUTHORIZED TO OPERATE CONTRACTOR'S EQUIPMENT.
- FOR ADDITIONAL INFORMATION ON SPECIAL STRUCTURAL INSPECTIONS, CONTACT THE ENGINEER OF RECORD PRIOR TO START OF CONSTRUCTION.

**FIRE SAFETY DURING CONSTRUCTION**

- CONTRACTOR SHALL COMPLY WITH CFC CHAPTER 33 FOR MINIMUM SAFETY SAFEGUARDS FOR CONSTRUCTION, ALTERNATION AND DEMOLITION OPERATIONS TO PROVIDE REASONABLE SAFETY TO LIFE AND PROPERTY FROM FIRE DURING CONSTRUCTION OPERATIONS.
- TEMPORARY HEATING DEVICES SHALL BE LISTED AND LABELED IN ACCORDANCE WITH THE CALIFORNIA MECHANICAL CODE. INSTALLATION, MAINTENANCE AND USE OF TEMPORARY HEATING DEVICES SHALL BE IN ACCORDANCE WITH THE TERMS OF THE LISTING.
- OIL-FIRED HEATERS SHALL COMPLY WITH SECTION 603.
- FUEL SUPPLIES FOR LIQUEFIED-PETROLEUM GAS-FIRED HEATERS SHALL COMPLY WITH CHAPTER 61 AND THE CALIFORNIA MECHANICAL CODE.
- REFUELING OPERATIONS FOR LIQUID-FUELED EQUIPMENT OR APPLIANCES SHALL BE CONDUCTED IN ACCORDANCE WITH SECTION 5705. THE EQUIPMENT OR APPLIANCE SHALL BE ALLOWED TO COOL PRIOR TO REFUELING.
- CLEARANCE TO COMBUSTIBLES FROM TEMPORARY HEATING DEVICES SHALL BE MAINTAINED IN ACCORDANCE WITH THE LABELED EQUIPMENT. WHEN IN OPERATION, TEMPORARY HEATING DEVICES SHALL BE FIXED IN PLACE AND PROTECTED FROM DAMAGE, DISLODGE MENT OR OVERTURNING IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
- THE USE OF TEMPORARY HEATING DEVICES SHALL BE SUPERVISED AND MAINTAINED ONLY BY COMPETENT PERSONNEL.
- SMOKING SHALL BE PROHIBITED EXCEPT IN APPROVED AREAS. SIGNS SHALL BE POSTED IN ACCORDANCE WITH SECTION 310. IN APPROVED AREAS WHERE SMOKING IS PERMITTED, APPROVED ASHTRAY SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 310.
- COMBUSTIBLE DEBRIS, RUBBISH AND WASTE MATERIAL SHALL COMPLY WITH THE REQUIREMENTS OF SECTIONS 3304.2.1 THROUGH 3304.2.4.
- COMBUSTIBLE DEBRIS, RUBBISH AND WASTE MATERIAL SHALL NOT BE ACCUMULATED ON SITE.
- COMBUSTIBLE DEBRIS, RUBBISH AND WASTE MATERIAL SHALL BE REMOVED FROM SITE AT THE END OF TH WORK DAY.
- WHERE RUBBISH CONTAINERS WITH A CAPACITY EXCEEDING 5.33 CUBIC FEET (40 GALLONS) (0.15 M3) ARE USED FOR TEMPORARY STORAGE OF COMBUSTIBLE DEBRIS, RUBBISH AND WASTE MATERIAL, THEY SHALL HAVE TIGHT-FITTING OR SELF-CLOSING LIDS. SUCH RUBBISH CONTAINERS SHALL BE CONSTRUCTED ENTIRELY OF MATERIALS THAT COMPLY WITH EITHER OF THE FOLLOWING:
  - NONCOMBUSTIBLE MATERIALS
  - MATERIALS THAT MEET A PEAK RATE OF HEAT RELEASE NOT EXCEEDING 300 KW/M2 WHEN TESTED IN ACCORDANCE WITH ASTM E1354 AT AN INCIDENT HEAT FLUX OF 50 KW/M2 IN THE HORIZONTAL ORIENTATION.
- COMBUSTIBLE DEBRIS, RUBBISH AND WASTE MATERIAL SHALL NOT BE ACCUMULATED WITHIN BUILDINGS.
- MATERIALS SUSCEPTIBLE SPONTANEOUS IGNITION, SUCH AS OILY RAGS, SHALL BE STORED IN A LISTED DISPOSAL CONTAINER.
- COMBUSTIBLE DEBRIS, RUBBISH AND WASTE MATERIAL SHALL NOT BE DISPOSED OF BY BURNING ON THE SITE UNLESS APPROVED.
- OPERATIONS INVOLVING THE USE OF CUTTING AND WELDING SHALL BE DONE IN ACCORDANCE WITH CHAPTER 35.
- TEMPORARY WIRING FOR ELECTRICAL POWER AND LIGHTING INSTALLATIONS USED IN CONNECTION WITH THE CONSTRUCTION, ALTERATION OR DEMOLITION OF BUILDINGS, STRUCTURES, EQUIPMENT OR SIMILAR ACTIVITIES SHALL COMPLY WITH THE CALIFORNIA ELECTRICAL CODE.
- APPROVED VEHICLE ACCESS FOR FIRE FIGHTING SHALL BE PROVIDED TO ALL CONSTRUCTION OR DEMOLITION SITES. VEHICLE ACCESS SHALL BE PROVIDED TO WITHIN 100 FEET (30,480 MM) OF TEMPORARY OR PERMANENT FIRE DEPARTMENT CONNECTIONS. VEHICLE ACCESS SHALL BE MAINTAINED UNTIL PERMANENT FIRE APPARATUS ACCESS ROADS ARE AVAILABLE.
- INTERNAL-COMBUSTION-POWERED CONSTRUCTION EQUIPMENT SHALL BE USED IN ACCORDANCE WITH ALL OF THE FOLLOWING CONDITIONS:
  - EQUIPMENT SHALL BE LOCATED SO THAT EXHAUSTS DO NOT DISCHARGE AGAINST COMBUSTIBLE MATERIAL.
  - EXHAUSTS SHALL BE PIPED TO THE OUTSIDE OF THE BUILDING.
  - EQUIPMENT SHALL NOT BE REFUELED WHILE IN OPERATION.
  - FUEL FOR EQUIPMENT SHALL BE STORED IN AN APPROVED AREA OUTSIDE OF THE BUILDING.

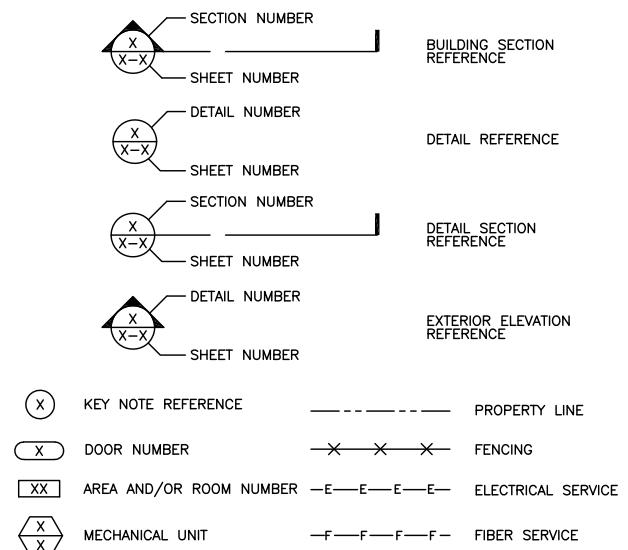
**FIRE DEPARTMENT NOTES**

- THE DESIGN, CONSTRUCTION AND FABRICATION OF THE TANK WILL COMPLY WITH AND MEET NFPA 30. FIELD INSPECTION SHALL CONFIRM MANUFACTURERS NAME PLATE BEARS THIS INFORMATION.
- THE TANK FILLING CAP SHALL BE LOCATED A MINIMUM OF 5' FROM BUILDINGS AND PROPERTY LINES. THE TANK SHALL BE PROVIDED WITH A LIQUID TIGHT CAP WHICH SHALL BE CLOSED WHEN NOT IN USE AND PROPERLY IDENTIFIED.
- THERE ARE NO KNOWN INCOMPATIBLES TO DIESEL FUEL AND WATER REACTIVES WITHIN THE GENERATOR COMPOUND.
- GENERATOR ALARMS ARE MONITORED 24/7 BY WIRELESS NOC (NETWORK OPERATIONS CENTER) STAFF WHICH NOTIFIES THE RESPECTIVE HELP DESK/CELL TECH WHEN AN ALARM IS SIGNALLED BY THE GENERATOR.
- THE FUEL TANK IS FILLED (2) TIMES A YEAR BY THE GENERATOR SERVICE COMPANY FROM A TRANSFER TANK. THE FUEL TANK ALARM HORN WHICH COMES FROM THE CONTROLLER MOUNTED TO ALARM BACK BOARD INSIDE (N) EQUIPMENT COMPOUND IS ALERTED AT 90% "FILL". ALSO A LOCAL ANNUNCIATOR (HORN) AT GENERATOR WILL SOUND AT 90% "FILL". THE FUELING DEVICE IS THEN SHUT DOWN MANUALLY BY THE OPERATOR WHO CONTROLS THE FUEL GUN. THERE IS NO AUTOMATIC SHUT OFF DEVICE.
- TANK SHALL BE PROVIDED WITH A MINIMUM 15" X 15" NFPA 704 M PLACARD.
- TANK CONTENTS 10 SHALL BE PER CFC CHAPTER 34 AND AFFIXED TO TANK CONSPICUOUSLY VISIBLE.
- PROVIDE "NO SMOKING" SIGNS ON ALL FOUR SIDES OF GENERATOR.
- ALL OPERATING INSTRUCTIONS SHALL BE PROVIDED IN ENGLISH AND SPANISH. THESE INSTRUCTIONS SHALL BE KEPT IN A SECURE PLACE TO AVOID VANDALISM.
- PROVIDE SIGN STATING PROCEDURES TO FOLLOW IN CASE OF SPILL, TELEPHONE CONTACTS ETC.
- ALL VISIBLE ABOVE GROUND PIPING SHALL BE IDENTIFIED.
- THE BACK-UP GENERATOR WILL RUN AS LONG AS THE COMMERCIAL POWER IS NOT AVAILABLE AT THE SITE. THE BACK-UP GENERATOR IS NEEDED TO PROVIDE CLEAR AND RELIABLE CELLULAR TELECOMMUNICATIONS WHICH CAN CONTINUE TO FUNCTION IN THE EVENT THAT TELEPHONE (WIRE) SERVICE IS INTERRUPTED DURING AN EMERGENCY SITUATION OR A NATURAL DISASTER.
- ADD TANK CONTENTS MSDS SHEETS SHALL BE AVAILABLE INSIDE THE GENERATORS COMPARTMENT.

**ABBREVIATIONS**

AB	ANCHOR BOLT	LAM	LAMINATED
AC	ASPHALTIC CONCRETE	LBS	POUNDS
A/C	AIR CONDITIONING	LT	LIGHT
ADJ	ADJUSTABLE	LA	LIGHTNING ARRESTOR
A.F.F.	ABOVE FINISH FLOOR	LNA	LOW NOISE AMPLIFIER
ARCH	ARCHITECTURAL		
APPROX	APPROXIMATELY	MFR	MANUFACTURER
A.G.L	ABOVE GRADE LEVEL	MAT	MATERIAL
A.M.S.L.	ABOVE MEAN SEA LEVEL	MAX	MAXIMUM
		MECH	MECHANICAL
BD	BOARD	MIN	MINIMUM
BLDG	BUILDING	MISC	MISCELLANEOUS
BLKG	BLOCKING	ML	METAL LATH
BOT	BOTTOM	MO	MASONRY OPENING
BSMT	BASEMENT	MS	MACHINE SCREW
BTS	BASE TRANSCIEVER STATION	MTD	MOUNTED METAL
		MTL	METAL
		(N)	NEW
C	COURSE(S)	NIC	NOT IN CONTRACT
CEM	CEMENT	NO	NUMBER
CL	CHAIN LINK	NTS	NOT TO SCALE
CLG	CEILING		
CLR	CLEAR	OA	OVERALL
COL	COLUMN	O.C.	ON CENTER
CONC	CONCRETE	OPNG	OPENING
CONST	CONSTRUCTION	OPP	OPPOSITE
CONT	CONTINUOUS		
CORR	CORRIDOR	PARTN	PARTITION
CO	CONDUIT ONLY	PL	PLATE
		PLAS	PLASTER
DIA	DIAMETER	PLYWD	PLYWOOD
DBL	DOUBLE	POC	POINT OF CONNECTION
DEPT	DEPARTMENT	PROP	PROPERTY
DEMO	DEMOLITION	PT	PRESSURE TREATED
DM	DIMENSION		
DN	DOWN	R	RISER
DR	DOOR	REGD	REQUIRED
DTL	DETAIL	RD	ROOF DRAIN
DWG	DRAWING	RM	ROOM
		RMS	ROOMS
		RO	ROUGH OPENING
(E)	EXISTING	SC	SOLID CORE
EA	EACH	SCHED	SCHEDULE
ELEC	ELECTRIC	SECT	SECTION
ELEV	ELEVATION	SHT	SHEET
EQUIP	EQUIPMENT	SIM	SIMILAR
EXP	EXPANSION	SPECS	SPECIFICATIONS
EXT	EXTERIOR	SS	STAINLESS STEEL
		STL	STEEL
FA	FIRE ALARM	STOR	STORAGE
FB	FLAT BAR	STRUCT	STRUCTURAL
FF	FINISH FLOOR	SUSP	SUSPENDED
FH	FLAT HEAD	SW	SWITCH
FIN	FINISH(ED)	SWBO	SWITCHBOARD
FLR	FLOOR	THK	THICK
FOS	FACE OF STUDS	TI	TENANT IMPROVEMENT
FS	FINISH SURFACE	TOS	TOP OF SURFACE
FT	FOOT, FEET	TS	TUBE STEEL
FTG	FOOTING	TYP	TYPICAL
FW	FINISH WALL		
F.G.	FINISH GRADE	UNO	UNLESS NOTED OTHERWISE
FUT	FUTURE	VCT	VINYL COMPOSITION TILE
		VERT	VERTICAL
GA	GAUGE	VERT.	VERIFY IN FIELD
GALV	GALVANIZED	VG	VERTICAL GRAIN
GL	GLASS		
GR	GRADE	W/	WITH
GYP	GYPSUM	WD	WOOD
GFCI	GROUND FAULT CIRCUIT INTERRUPT	WR	WATER RESISTANT
GND	GROUND	WT	WEIGHT
		XFMR	TRANSFORMER
HC	HOLLOW CORE	@	AT
HDW	HARDWARE	[	CHANNEL
HTR	HEATER	⊕	CENTERLINE
HM	HOLLOW METAL	∠	ANGLE
HORIZ	HORIZONTAL	⊥	PROPERTY LINE
HR	HOUR		
HT	HEIGHT		
HV	HIGH VOLTAGE		
ID	INSIDE DIMENSION		
INS	INSULATION		
INT	INTERIOR		
JT	JOINT		

**SYMBOLS:**



CLIENT

**verticalbridge**

750 PARK OF COMMERCE DR.  
SUITE 200 | BOCA RATON, FL | 33487  
561.948.6367

SITE ACQUISITION

**AD**  
ASSURANCE DEVELOPMENT

1499 HUNTINGTON DR. | SUITE 305  
SOUTH PASADENA, CA | 91030  
626.765.5079

**DRAFTLINK**

27068 LA PAZ RD. | SUITE 561  
ALISO VIEJO, CA | 92656  
949.232.5045

2	CLIENT COMMENTS	JR	08/09/23
1	BOE COMMENTS	CV	07/11/23
0	ISSUED FOR CD	CV	03/22/23
A	ISSUED FOR REVIEW	CV	02/27/23
NO.	SUBMITTAL / REVISION	BY	DATE

DRAWN: CV  
DESIGNED: CV  
CHECKED: APP

PROJECT NUMBER: US-CA-7268

PROJECT TITLE:  
**US-CA-7268  
SV14231B  
BRAEMAR**  
PUBLIC RIGHT OF WAY  
MULHOLLAND DRIVE  
LOS ANGELES, CA 91356

ENGINEER STAMP:

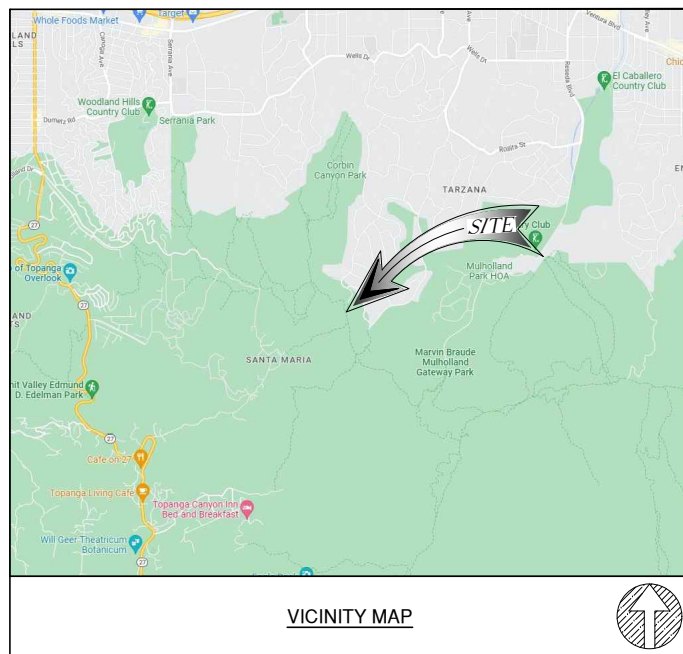
DRAWING TITLE:  
**GENERAL NOTES AND ABBREVIATIONS**

DRAWING SCALE:  
AS NOTED

DATE: 02/27/23

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DRAWING NUMBER:  
**T3**



VICINITY MAP

APN  
PUBLIC RIGHT-OF-WAY, NEXT TO APN: 4434-001-903, LOS ANGELES COUNTY

**BASIS OF ELEVATIONS: (NAVD 1988)**

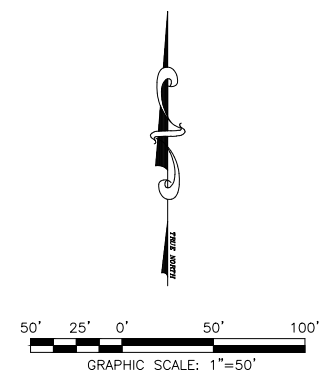
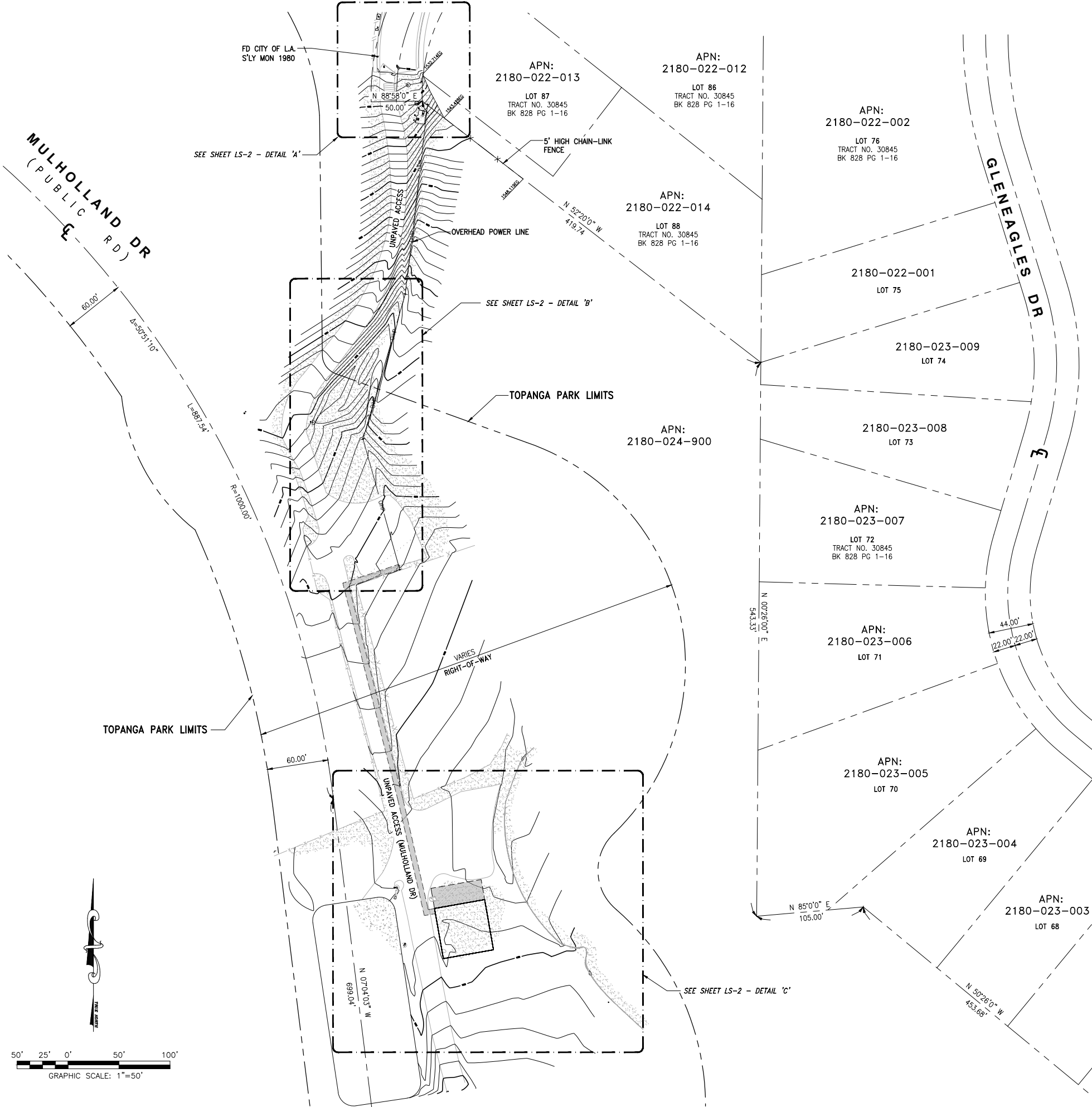
SITE ELEVATIONS ARE ESTABLISHED FROM THE GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS "GEOID 12A" MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE "LEICA SMARTNET" REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88, CALIFORNIA ZONE 5.

**FLOOD ZONE**

SITE IS LOCATED IN FLOOD ZONE "D" AS PER F.I.R.M. MAP NO. 06037C1290F EFFECTIVE DATE 09/26/2008

**REFERENCE MAP**

TRACT NO. 30845  
BK 828 PG 1-16  
FILED APR. 25, 1973



SURVEY PREPARED FOR:



VB BTS II, LLC

750 PARK OF COMMERCE DR.  
SUITE 200 | BOCA RATON, FL | 33487  
561.948.6367

SITE ACQUISITION



1499 HUNTINGTON DR. | SUITE 305  
SOUTH PASADENA, CA | 91030  
626.216.2024

ENGINEER



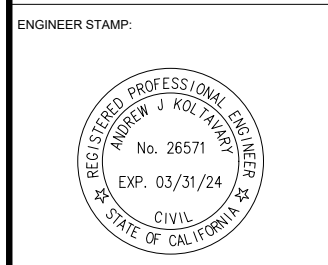
23072 LAKE CENTER DR., SUITE 211  
LAKE FOREST, CA 92630  
714.624.9027

NO.	SUBMITTAL / REVISION	BY	DATE
2	UPDATE BOUNDARY LIMITS	AB	09/14/23
1	FINAL SURVEY	AB	03/28/23
0	PRELIMINARY SURVEY	AB	01/11/23

DRAWN: AB  
DESIGNED: AJK  
CHECKED: AJK

PROJECT NUMBER: US-CA-7268

PROJECT TITLE:  
**US-CA-7268**  
**SV14231**  
**BRAEMAR**  
PUBLIC RIGHT-OF-WAY  
MULHOLLAND DR,  
LOS ANGELES, CA 91356



DRAWING TITLE:  
**TITLE SHEET**

DRAWING SCALE:  
AS NOTED

DATE:  
01/11/2023

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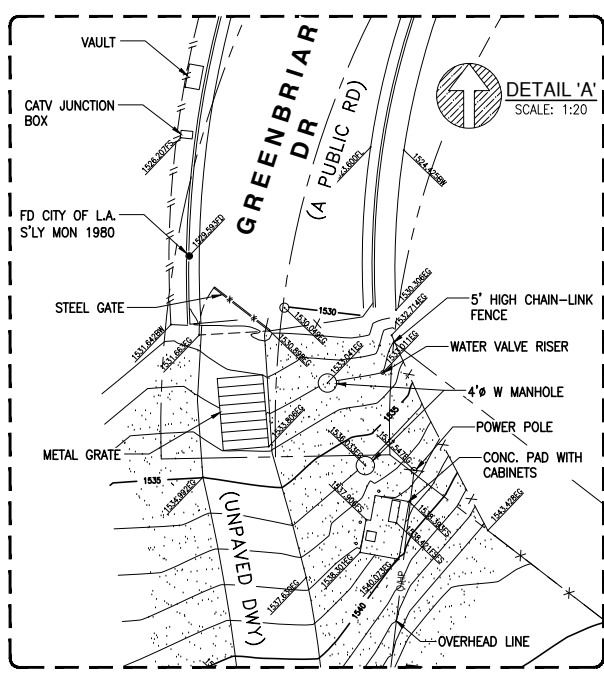
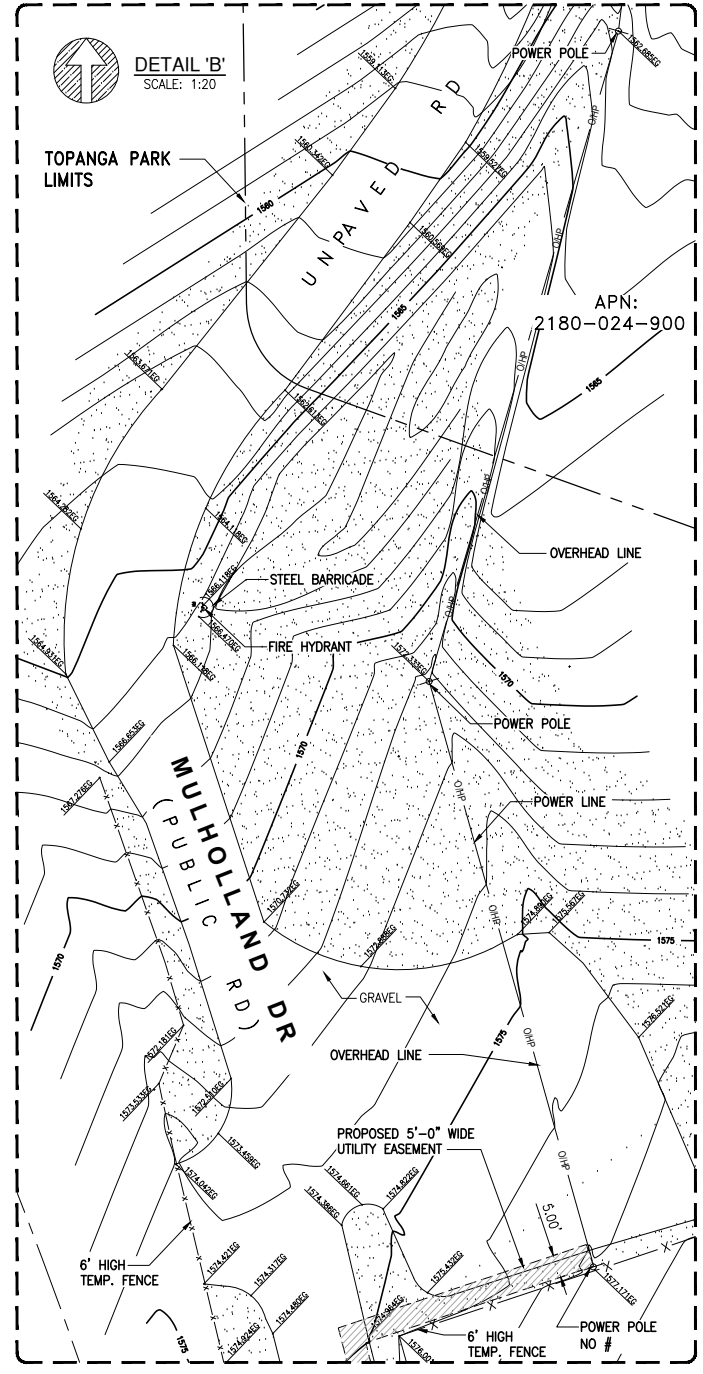
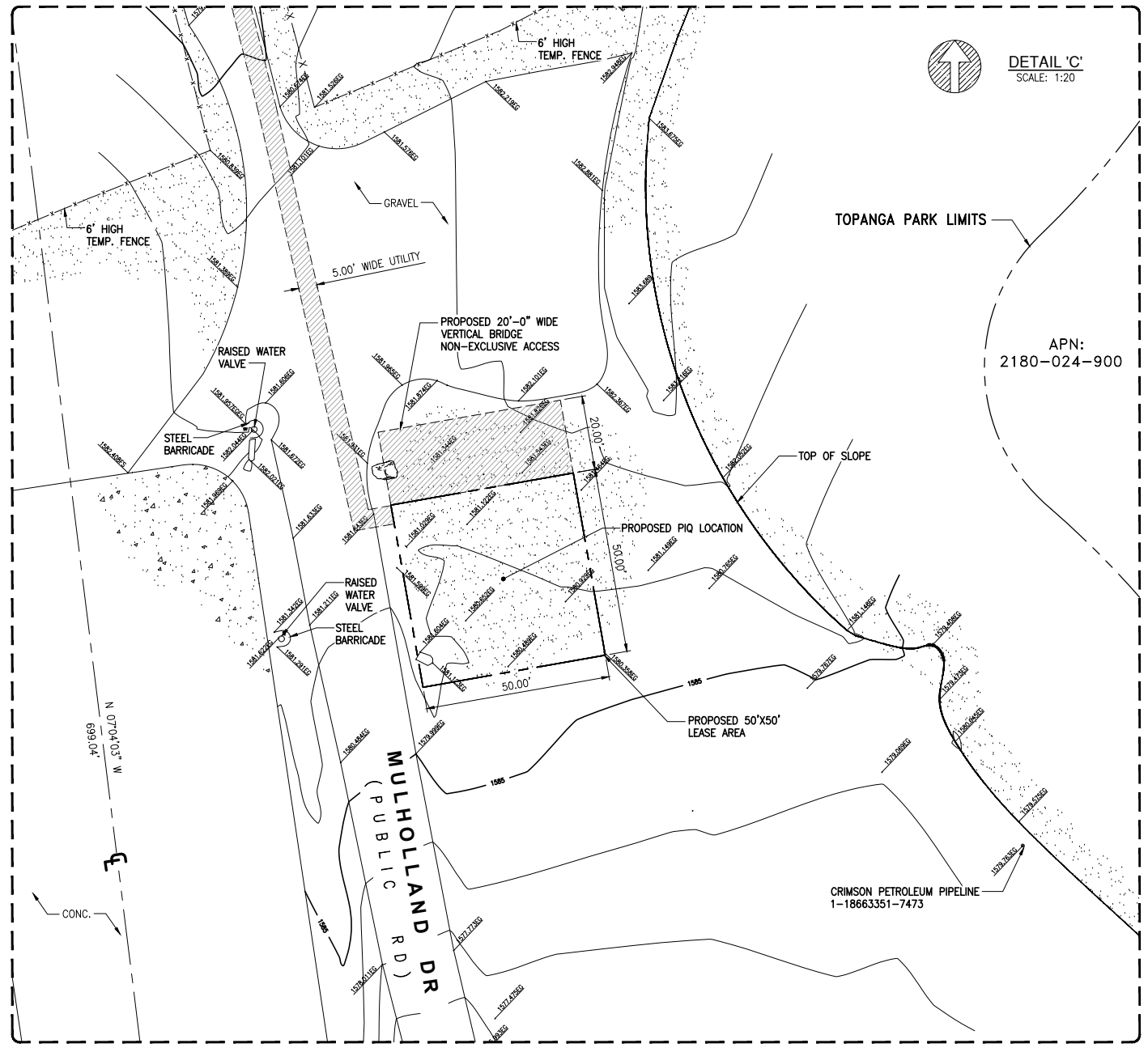
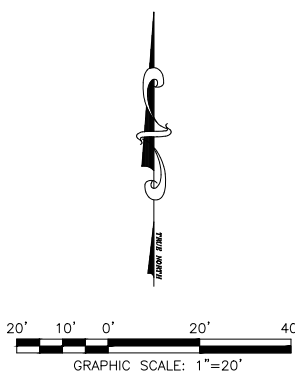
DRAWING NUMBER:  
**LS-1**

**NOTES:**

1. THIS IS NOT A BOUNDARY SURVEY. THIS IS A SPECIALIZED TOPOGRAPHIC MAP. THE PROPERTY LINES AND EASEMENTS SHOWN HEREON ARE FROM RECORD INFORMATION AS NOTED HEREON. AJK ENGINEERING AND SURVEY TRANSLATED THE TOPOGRAPHIC SURVEY TO RECORD INFORMATION USING FOUND MONUMENTS SHOWN HEREON.
2. THE HEIGHTS AND ELEVATIONS FOR THE TREES, BUSHES AND OTHER LIVING PLANTS SHOWN HEREON, SHOULD BE CONSIDERED APPROXIMATE (+/-) AND ONLY FOR THE DATE OF THIS SURVEY. THEY ARE PROVIDED AS A GENERAL REFERENCE AND SHOULD NOT BE USED FOR DESIGN PURPOSES.
3. FIELD SURVEY COMPLETED ON JANUARY 02, 2023
4. RIGHT OF WAY WAS ESTABLISHED BY LOCATING FOUND CENTERLINE CITY OR COUNTY MONUMENTS.
5. IF CENTERLINE MONUMENTS WERE NOT LOCATABLE, THE CENTERLINE OFFSET TIES WERE USED TO ESTABLISH THE INTERSECTIONS.
6. IF NEITHER CENTERLINE TIES OR CENTERLINE INTERSECTION MONUMENTS WERE LOCATABLE, EXISTING IMPROVEMENTS WERE USED TO ESTABLISH RIGHTS OF WAY.
7. ALL SHOWN RIGHTS OF WAY WERE BASED UPON RESEARCH AT COUNTY OR CITY FILES AND REFLECT THE LATEST RECORDED MAPS, RECORDS OF SURVEY, PARCEL MAPS OR OTHER RECORDS. RIGHTS OF WAY WILL NOT REFLECT ANY DEDICATION, TAKEN OR OFFERED AFTER THE RECORD MAP USED. ALL SURVEYS WERE COMPLETED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT AND MAY NOT SHOW ADDITIONAL DEDICATIONS NOT SHOWN ON THE RECORD MAPS USED.
8. ACCESS AND UTILITY EASEMENTS TERMINATE AT A CONFIRMED RIGHT OF WAY.
9. NO VISIBLE ENCROACHMENTS WERE VISIBLE ON THE LEASE OR EASEMENT AREAS AT THE TIME OF THE SURVEY.
10. THE LEASE AND EASEMENT AREA LIE ENTIRELY WITHIN THE PARENT OR ACCESS PARCEL.

**COORDINATES**

LATITUDE: 34°08'06.72" N (34.135200°)  
 LONGITUDE: 118°33'55.58" W (-118.565439°)



- LEGEND**
- CENTER LINE
  - PROPERTY LINE
  - OHP POWER LINE (OVERHEAD)
  - P POWER LINE (OVERHEAD)
  - - - FENCE
  - - - EASEMENT LINE
  - CMU WALL
  - TW TOP OF WALL
  - TC TOP OF CURB
  - BW BACK-OF-WALK
  - FS FINISH SURFACE
  - EG EXISTING GRADE
  - WM WATER METER
  - WV WATER VALVE
  - JB JUNCTION BOX
  - HH HAND HOLE
  - VLT VAULT
  - V VALVE
  - SG SIGN
  - SSMH SANITARY SEWER MANHOLE
  - SDMH STORM DRAIN MANHOLE
  - EXISTING STREET LIGHT
  - EXISTING SIGN
  - GUY WIRE
  - CATCH BASIN
  - POWER POLE
  - FIRE HYDRANT
  - TREE
- MONUMENTS**
- MONUMENT FD. (AS NOTED)

SURVEY PREPARED FOR:

**verticalbridge**

VB BTS II, LLC

750 PARK OF COMMERCE DR.  
 SUITE 200 | BOCA RATON, FL | 33487  
 561.948.6367

SITE ACQUISITION

**AD**

**ASSURANCE DEVELOPMENT**

1499 HUNTINGTON DR. | SUITE 305  
 SOUTH PASADENA, CA | 91030  
 626.216.2024

ENGINEER

**AJK**

23072 LAKE CENTER DR., SUITE 211  
 LAKE FOREST, CA 92630  
 714.624.9027

NO.	SUBMITTAL / REVISION	BY	DATE
2	UPDATE BOUNDARY LIMITS	AB	09/14/23
1	FINAL SURVEY	AB	03/28/23
0	PRELIMINARY SURVEY	AB	01/11/23

DRAWN: AB  
 DESIGNED: AJK  
 CHECKED: AJK

PROJECT NUMBER: US-CA-7268

PROJECT TITLE:  
**US-CA-7268**  
**SV14231**  
**BRAEMAR**  
 PUBLIC RIGHT-OF WAY  
 MULHOLLAND DR,  
 LOS ANGELES, CA 91356

ENGINEER STAMP:

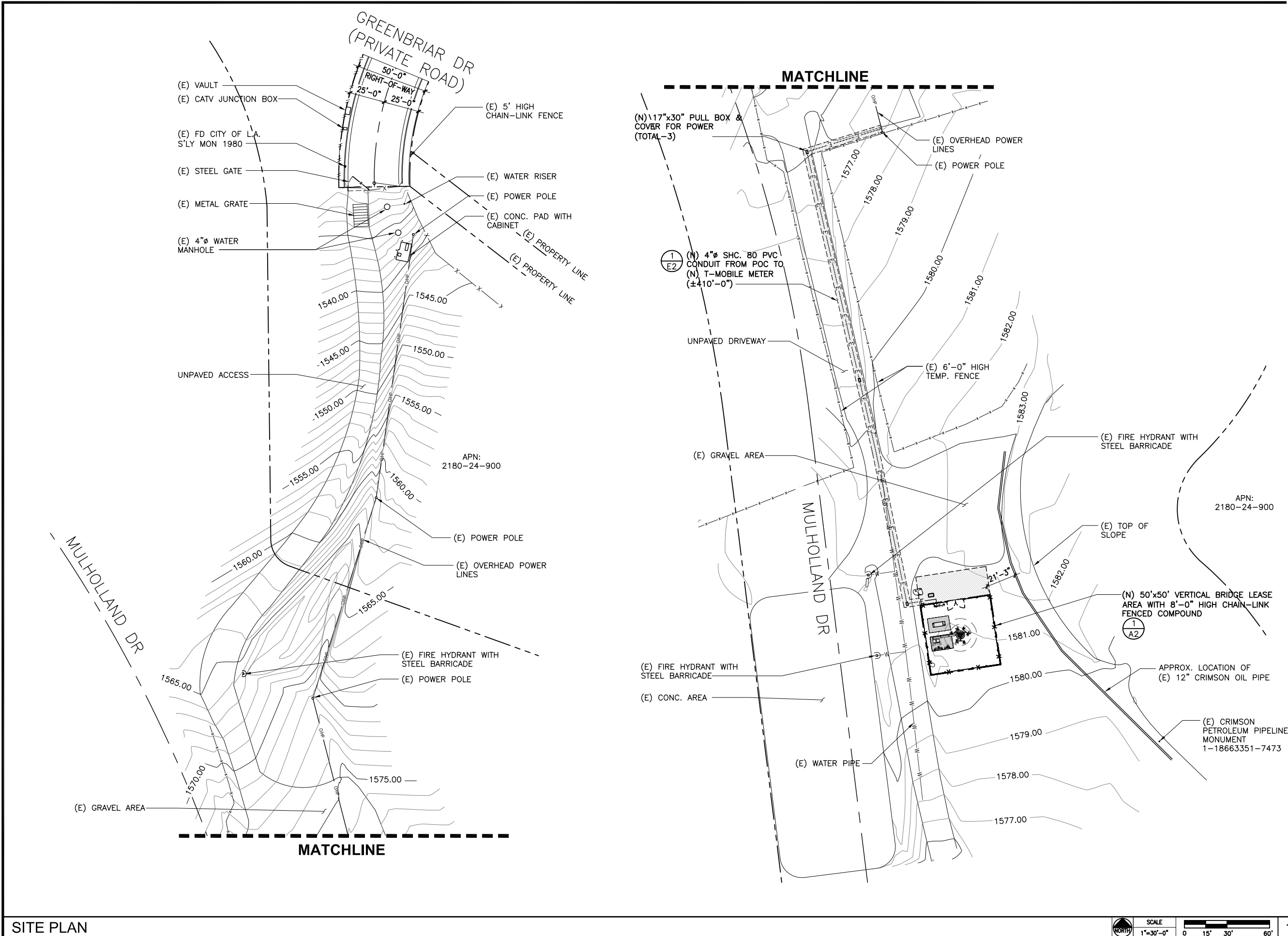
DRAWING TITLE:  
**TOPOGRAPHIC SURVEY**

DRAWING SCALE:  
**AS NOTED**

DATE:  
 01/11/2023

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**LS-2**



CLIENT

**verticalbridge**

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SUITE 200 | BOCA RATON, FL | 33487  
561.948.6367

SITE ACQUISITION

**AD**  
ASSURANCE  
DEVELOPMENT

1499 HUNTINGTON DR. | SUITE 305  
SOUTH PASADENA, CA | 91030  
626.765.5079

**DRAFTLINK**

27068 LA PAZ RD. | SUITE 561  
ALISO VIEJO, CA | 92656  
949.232.5045

NO.	SUBMITTAL / REVISION	BY	DATE
2	CLIENT COMMENTS	JR	08/09/23
1	BOE COMMENTS	CV	07/11/23
0	ISSUED FOR CD	CV	03/22/23
A	ISSUED FOR REVIEW	CV	02/27/23

DRAWN: CV  
DESIGNED: CV  
CHECKED: APP

PROJECT NUMBER: US-CA-7268

PROJECT TITLE:  
**US-CA-7268  
SV14231B  
BRAEMAR**  
PUBLIC RIGHT OF WAY  
MULHOLLAND DRIVE  
LOS ANGELES, CA 91356

ENGINEER STAMP:

DRAWING TITLE:  
**SITE PLAN**

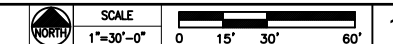
DRAWING SCALE:  
AS NOTED

DATE:  
02/27/23

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**A1**

SITE PLAN



CLIENT



750 PARK OF COMMERCE DR.  
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561.948.6367

SITE ACQUISITION



ASSURANCE  
DEVELOPMENT

1499 HUNTINGTON DR. | SUITE 305  
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626.765.5079



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27068 LA PAZ RD. | SUITE 561  
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949.232.5045

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SV14231B  
BRAEMAR**  
PUBLIC RIGHT OF WAY  
MULHOLLAND DRIVE  
LOS ANGELES, CA 91356

ENGINEER STAMP:

DRAWING TITLE:  
**ENLARGED  
COMPOUND PLAN**

DRAWING SCALE:  
AS NOTED **CD**

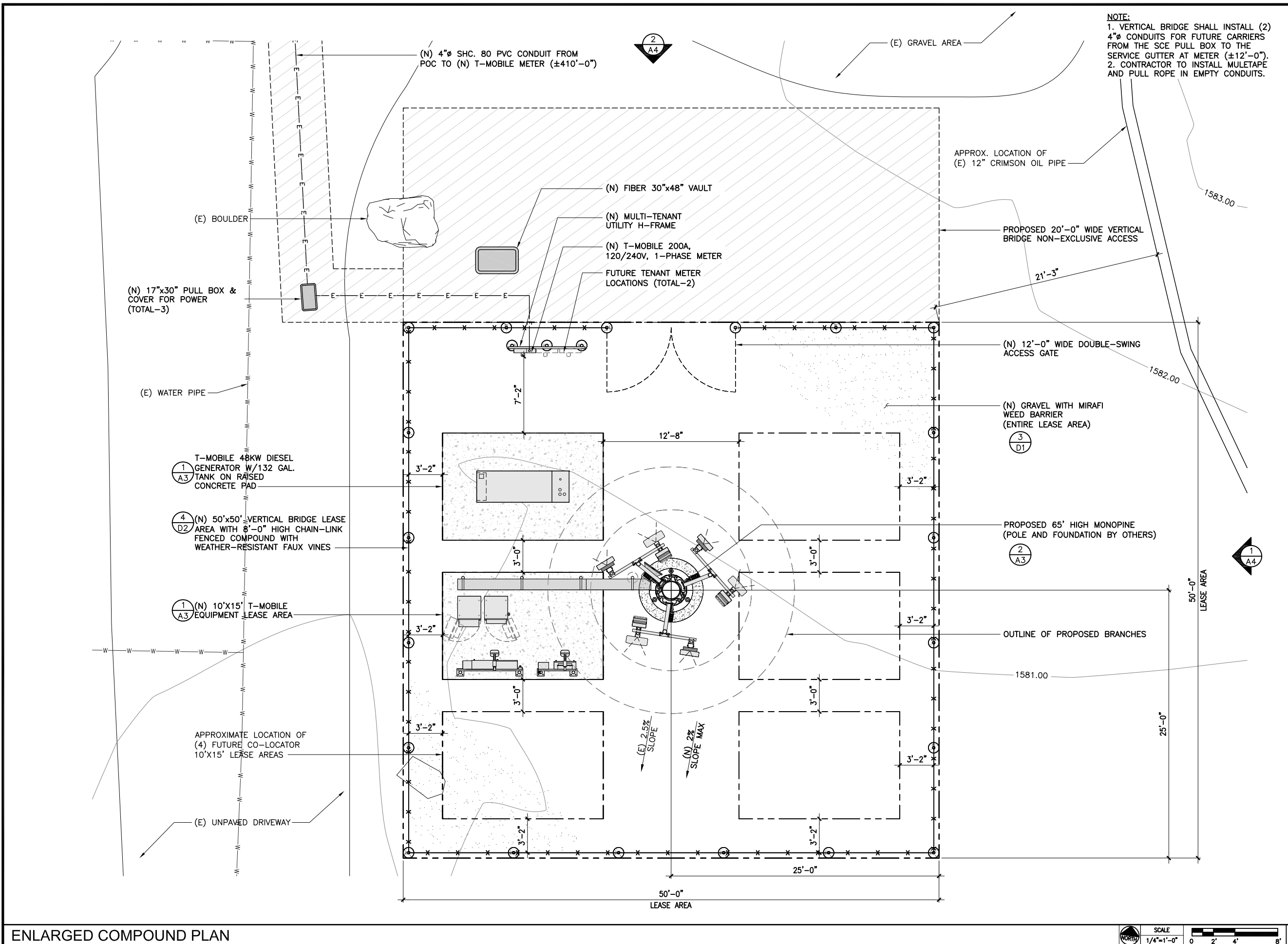
DATE:  
02/27/23

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DRAWING NUMBER:

A2

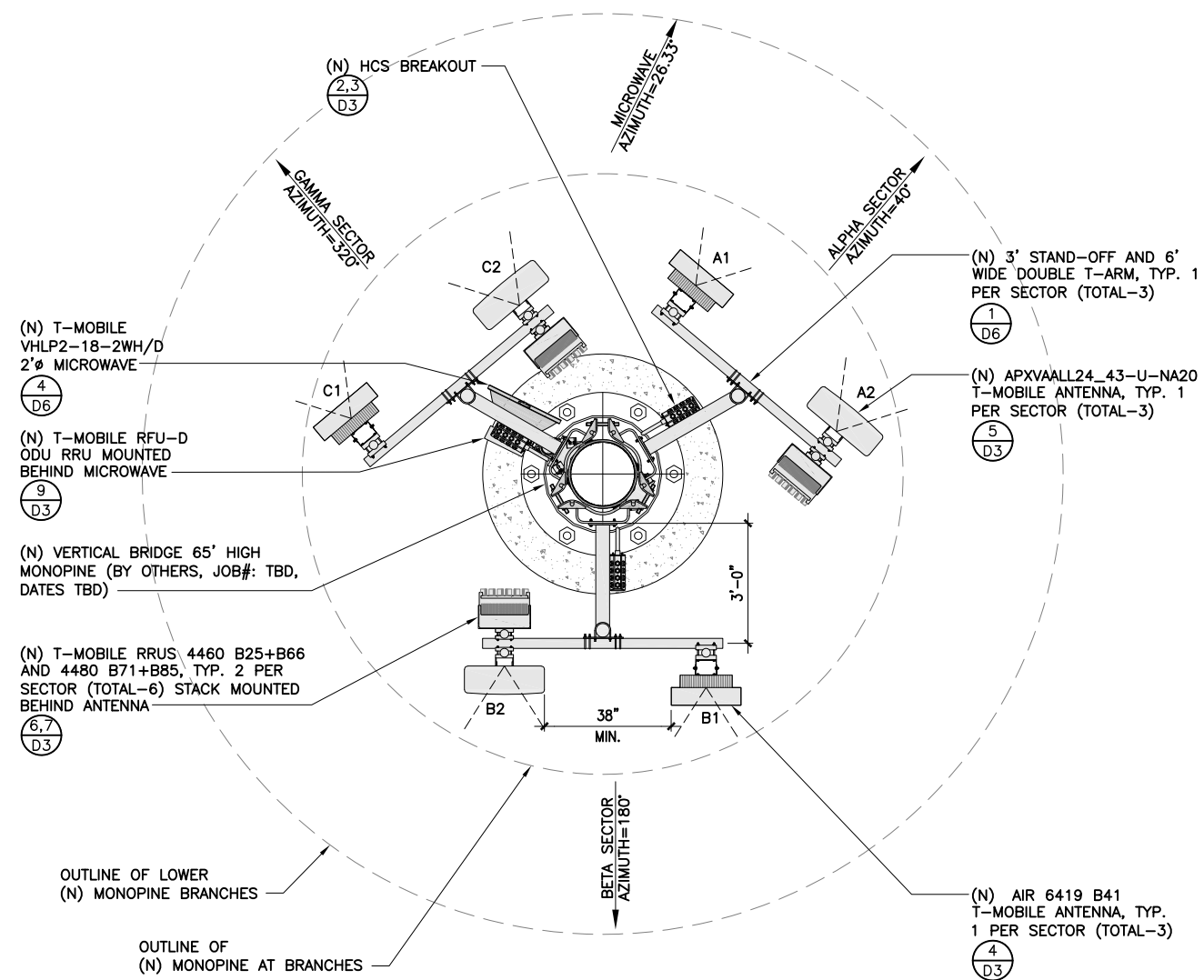
NOTE:  
1. VERTICAL BRIDGE SHALL INSTALL (2)  
4" Ø CONDUITS FOR FUTURE CARRIERS  
FROM THE SCE PULL BOX TO THE  
SERVICE GUTTER AT METER (±12'-0").  
2. CONTRACTOR TO INSTALL MULETAPE  
AND PULL ROPE IN EMPTY CONDUITS.



ENLARGED COMPOUND PLAN

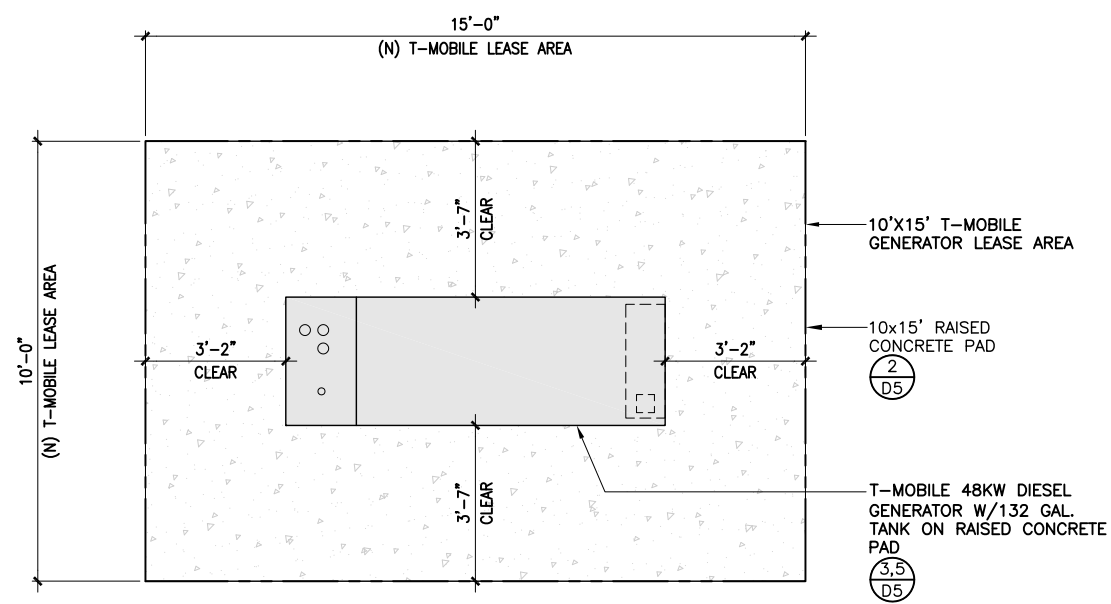
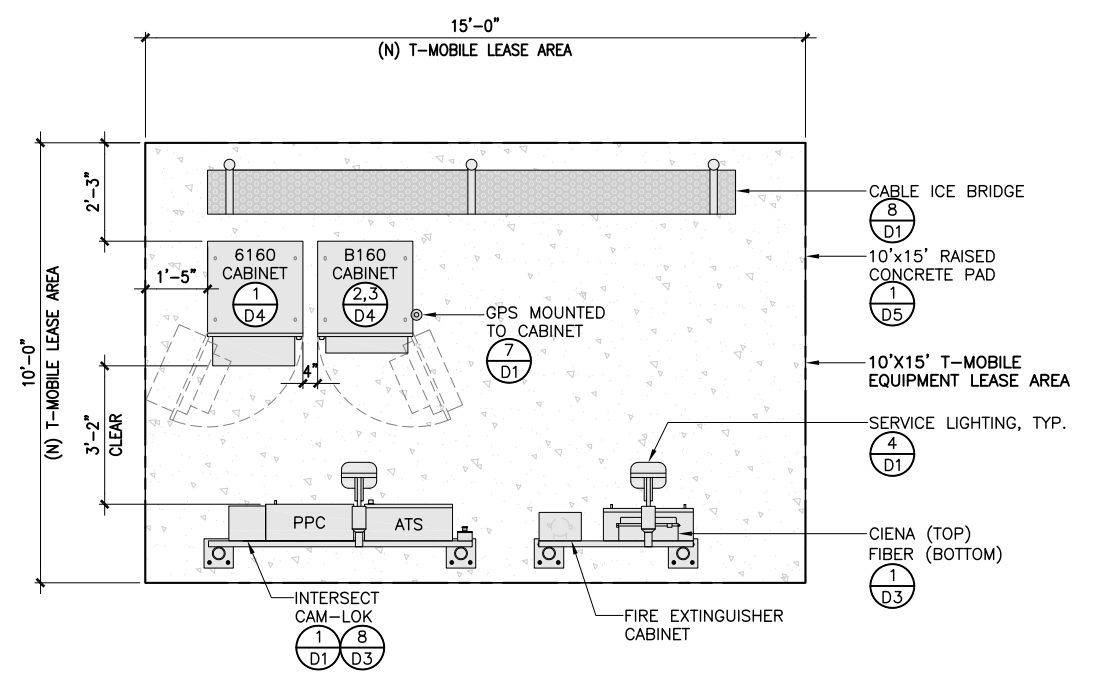
SCALE 1/4"=1'-0"

**NOTES:**  
 MATERIALS IN FRONT AND SIDE OF ANTENNAS MUST BE RF TRANSPARENT TO MINIMIZE PIM ISSUES. PLEASE MAKE SURE NO RUSTS ON COMPONENTS AND NO LOOSE CONNECTIONS.  
 1. ENSURE THERE ARE NO PIM ISSUES DURING INSTALLATION.  
 2. ANTENNAS CAN'T SHOOT INTO METAL, OTHER OPERATOR ANTENNAS, OR ANYTHING THAT CAN CAUSE PIM ETC.  
 3. NO SHADOWING/SKEW SHOULD BE THERE ON ANTENNAS.  
 4. ALL ANTENNAS TO BE COPLANAR.  
 5. IF WE ARE SHOOTING INTO ANY METAL EITHER REPLACE IT WITH FRP IF NOT POSSIBLE COVER THE METAL WITH PIM PAINTS OR PIM TAPE.



ANTENNA SCHEDULE										
SECTOR	RAD	AZ	POS	ANTENNA	TECHNOLOGY	RRU MODEL	MECH-TILT	ELEC-TILT	JUMPERS	FIBER
ALPHA	58'-6"	40°	A1	AIR 6419 B41	N2500	-	0°	0°	(8) 8' COAX (8) 2F SM FIBER	(1) 6x24 HCS 30M 4AWG (95'-0")
	56'-0"	40°	A2	APXVAALL24_43-U-NA20	L600/L700/L1900/L2100/N600/N1900	4460 B25+B66 4480 B71+B85	0°	0°	-	-
BETA	58'-6"	180°	B1	AIR 6419 B41	N2500	-	0°	0°	(8) 8' COAX (8) 2F SM FIBER	(1) 6x24 HCS 30M 4AWG (95'-0")
	56'-0"	180°	B2	APXVAALL24_43-U-NA20	L600/L700/L1900/L2100/N600/N1900	4460 B25+B66 4480 B71+B85	0°	0°	-	-
GAMMA	58'-6"	320°	C1	AIR 6419 B41	N2500	-	0°	0°	(8) 8' COAX (8) 2F SM FIBER	-
	56'-0"	320°	C2	APXVAALL24_43-U-NA20	L600/L700/L1900/L2100/N600/N1900	4460 B25+B66 4480 B71+B85	0°	0°	-	-
-	54'-0"	26.33°	-	VHLP2-18-2WH/D	-	RFU-D ODU	0°	0°	(2) CAT5E CABLES	-

ANTENNA PLAN



EQUIPMENT PLAN



CLIENT

**verticalbridge**

750 PARK OF COMMERCE DR.  
SUITE 200 | BOCA RATON, FL | 33487  
561.948.6367

SITE ACQUISITION

**AD ASSURANCE DEVELOPMENT**

1499 HUNTINGTON DR. | SUITE 305  
SOUTH PASADENA, CA | 91030  
626.765.5079

**DRAFTLINK**

27068 LA PAZ RD. | SUITE 561  
ALISO VIEJO, CA | 92656  
949.232.5045

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**US-CA-7268  
 SV14231B  
 BRAEMAR**  
 PUBLIC RIGHT OF WAY  
 MULHOLLAND DRIVE  
 LOS ANGELES, CA 91356

ENGINEER STAMP:

DRAWING TITLE:  
**EQUIPMENT AND  
 ANTENNA PLAN**

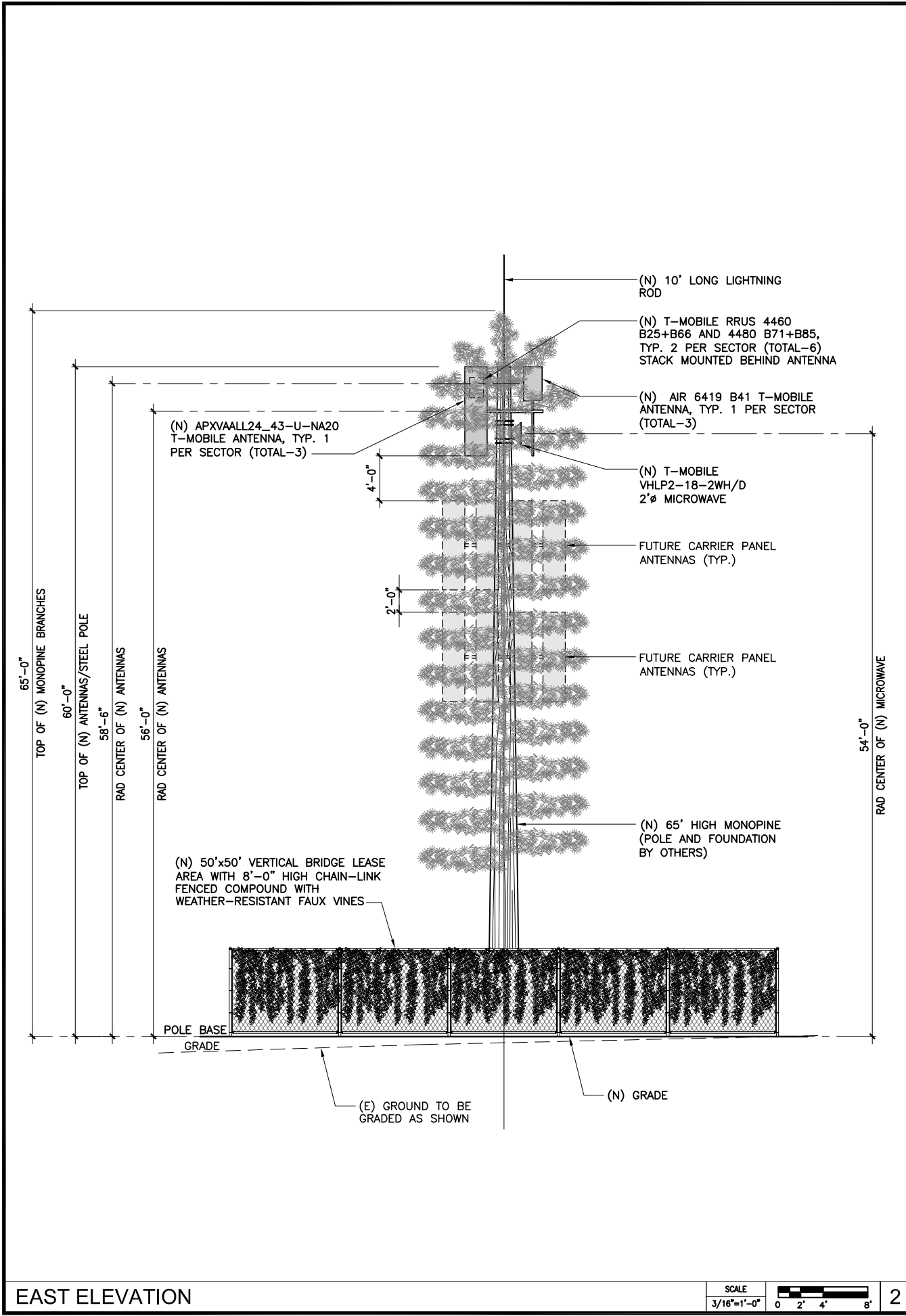
DRAWING SCALE:  
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DATE:  
 02/27/23

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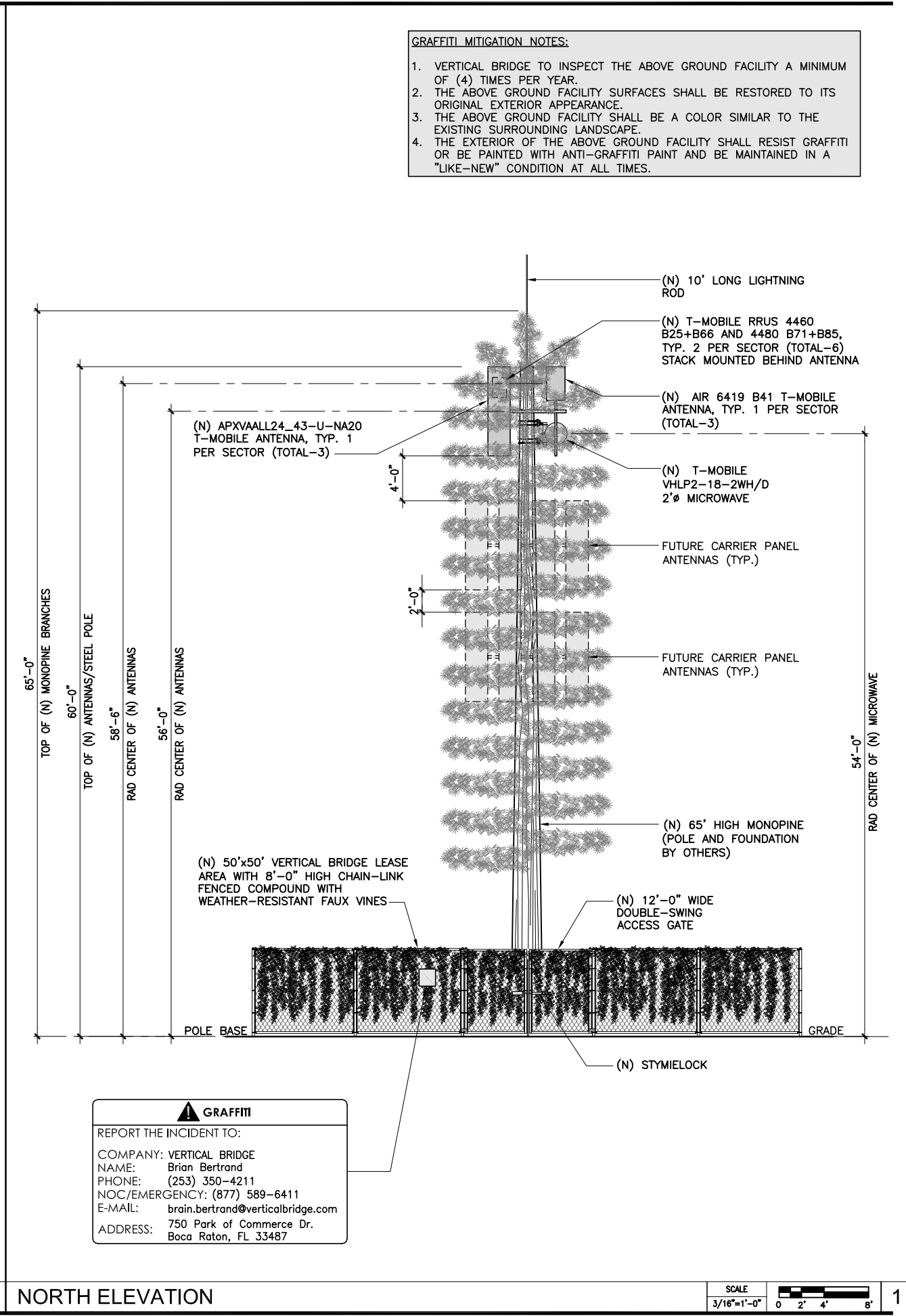
DRAWING NUMBER:  
**A3**





EAST ELEVATION

SCALE 3/16"=1'-0" 0 2' 4' 8' 2



NORTH ELEVATION

SCALE 3/16"=1'-0" 0 2' 4' 8' 1

**GRAFFITI MITIGATION NOTES:**

1. VERTICAL BRIDGE TO INSPECT THE ABOVE GROUND FACILITY A MINIMUM OF (4) TIMES PER YEAR.
2. THE ABOVE GROUND FACILITY SURFACES SHALL BE RESTORED TO ITS ORIGINAL EXTERIOR APPEARANCE.
3. THE ABOVE GROUND FACILITY SHALL BE A COLOR SIMILAR TO THE EXISTING SURROUNDING LANDSCAPE.
4. THE EXTERIOR OF THE ABOVE GROUND FACILITY SHALL RESIST GRAFFITI OR BE PAINTED WITH ANTI-GRAFFITI PAINT AND BE MAINTAINED IN A "LIKE-NEW" CONDITION AT ALL TIMES.

**GRAFFITI**

REPORT THE INCIDENT TO:

COMPANY: VERTICAL BRIDGE  
 NAME: Brian Bertrand  
 PHONE: (253) 350-4211  
 NOC/EMERGENCY: (877) 589-6411  
 E-MAIL: brain.bertrand@verticalbridge.com  
 ADDRESS: 750 Park of Commerce Dr.  
 Boca Raton, FL 33487

CLIENT

**verticalbridge**

750 PARK OF COMMERCE DR.  
 SUITE 200 | BOCA RATON, FL | 33487  
 561.948.6367

SITE ACQUISITION

**AD**

**ASSURANCE DEVELOPMENT**

1499 HUNTINGTON DR. | SUITE 305  
 SOUTH PASADENA, CA | 91030  
 626.765.5079

**DRAFTLINK**

27068 LA PAZ RD. | SUITE 561  
 ALISO VIEJO, CA | 92656  
 949.232.5045

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**US-CA-7268**  
**SV14231B**  
**BRAEMAR**  
 PUBLIC RIGHT OF WAY  
 MULHOLLAND DRIVE  
 LOS ANGELES, CA 91356

ENGINEER STAMP:

DRAWING TITLE:

**ELEVATIONS**

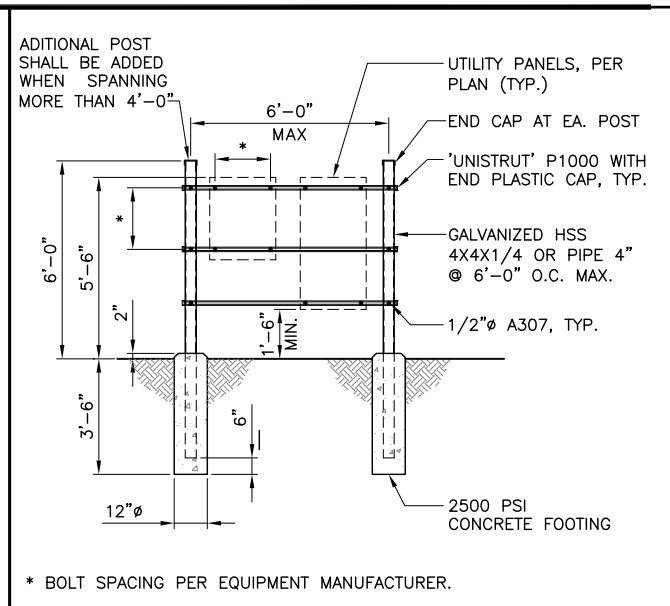
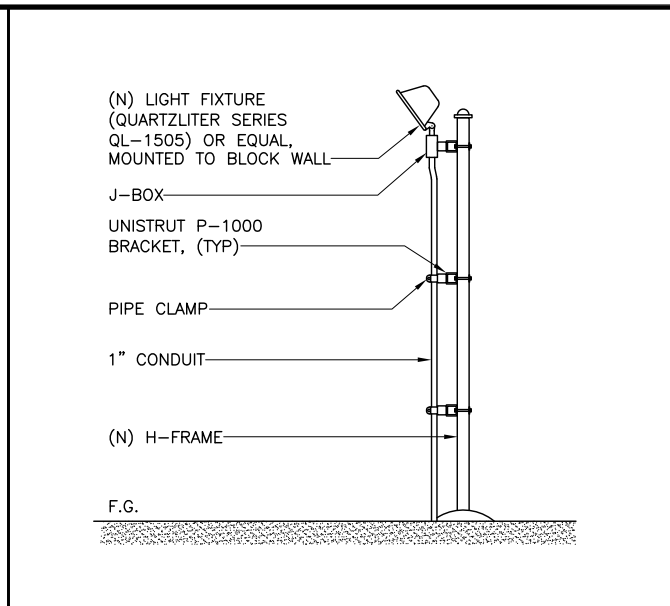
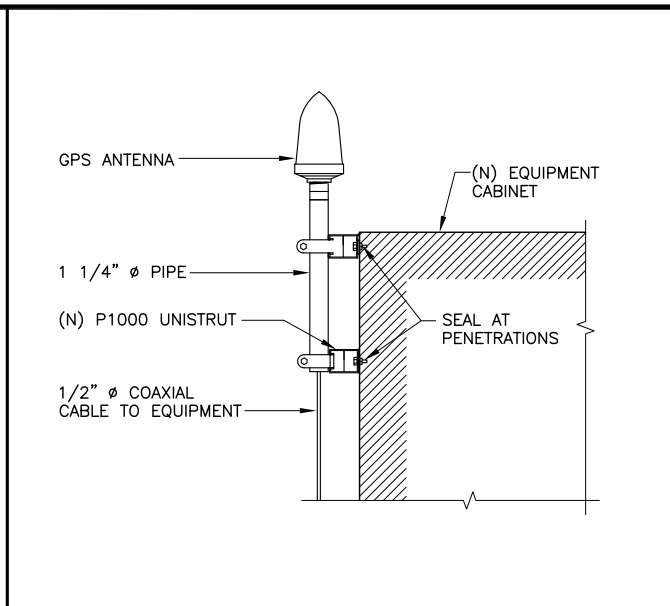
DRAWING SCALE: AS NOTED

DATE: 02/27/23

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DRAWING NUMBER:

**A4**



CLIENT

**verticalbridge**

750 PARK OF COMMERCE DR.  
SUITE 200 | BOCA RATON, FL | 33487  
561.948.6367

SITE ACQUISITION

**AD**  
ASSURANCE  
DEVELOPMENT

1499 HUNTINGTON DR. | SUITE 305  
SOUTH PASADENA, CA | 91030  
626.765.5079

**DRAFTLINK**

27068 LA PAZ RD. | SUITE 561  
ALISO VIEJO, CA | 92656  
949.232.5045

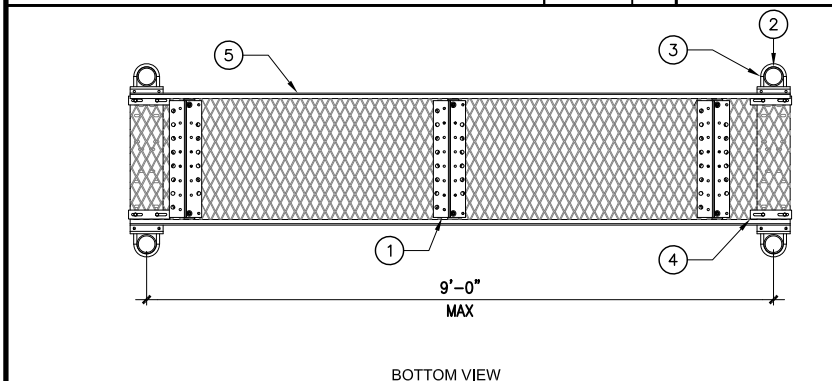
NOT USED

SCALE NONE 9 GPS MOUNTING DETAIL

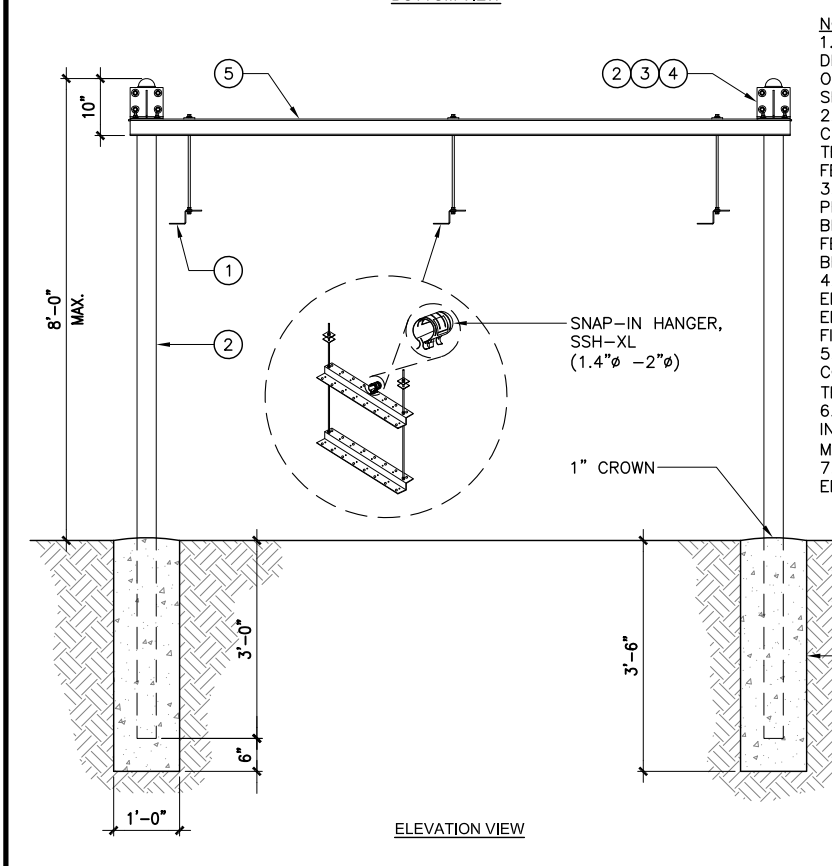
SCALE NONE 7 LIGHT MOUNTING DETAIL

SCALE NONE 4 H-FRAME DETAIL

SCALE NONE 1

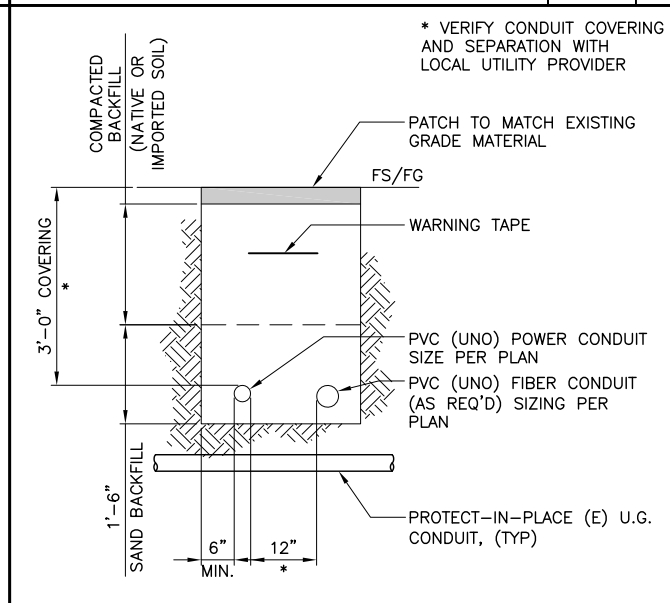
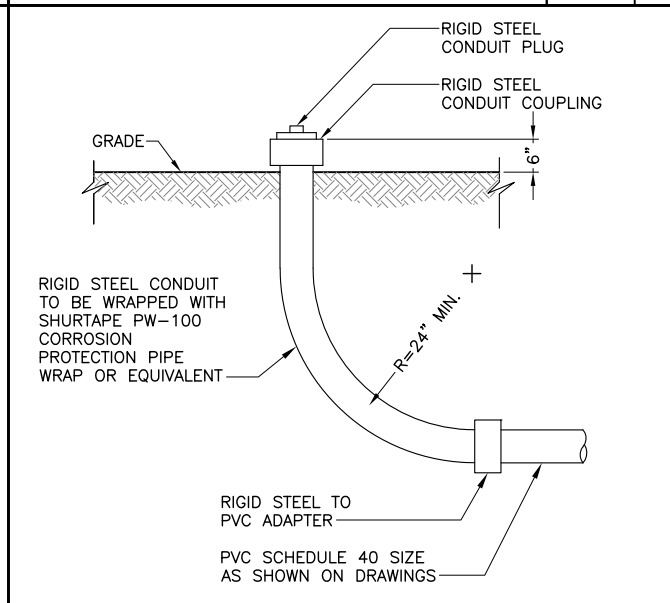


PARTS LIST (PER 10' SECTION)		
ITEM	PART NO.	DESCRIPTION
1	MT-357-12	TRAPEZE KIT (NOTE-3)
2	MF-130	3-1/2" O.D.x160" GALV PLAIN
3	PC-034	3-1/2" GALV. PIPE CLAMP
4	HHD12-K	CANTILEVER WITH HARDWARE
5	WB-CY110	SAFETY GRATED WAVEGUIDE BRIDGE 12"x10"



**NOTES:**

1. WHEN USING COMPONENTS AS SHOWN IN STANDARD DETAILS, MAXIMUM ALLOWABLE SPAN BETWEEN SUPPORTS ON A CONTINUOUS SINGLE SECTION OF BRIDGE CHANNEL SHALL BE 9 FEET FOR 10 FEET BRIDGE CHANNEL.
2. WHEN USING COMPONENTS FOR SPLICING BRIDGE CHANNEL SECTIONS, THE SPICE COULD BE PROVIDED AT THE SUPPORT, IF POSSIBLE, OR AT A MINIMUM OF 2 FEET FROM THE SUPPORT.
3. WHEN USING COMPONENTS, SUPPORT SHOULD BE PROVIDED AS CLOSE AS POSSIBLE TO THE ENDS OF ICE BRIDGES, WITH A MAXIMUM CANTILEVER DISTANCE OF 2 FEET FROM THE SUPPORT TO THE FREE END OF THE BRIDGE.
4. CUT BRIDGE CHANNEL SECTIONS SHALL HAVE RAW EDGES TREATED WITH A MATERIAL TO RESTORE THESE EDGES TO THE ORIGINAL CHANNEL, OR EQUIVALENT, FINISH.
5. ICE BRIDGES MAY BE CONSTRUCTED WITH COMPONENTS FROM OTHER MANUFACTURES, PROVIDED THE MANUFACTURER'S APPROVAL.
6. DEVIATIONS FROM STANDARDS FOR COMPONENT INSTALLATIONS ARE PERMITTED WITH THE RESPECTIVE MANUFACTURER'S APPROVAL.
7. DEVIATIONS FROM ICE BRIDGE FOUNDATIONS REQUIRE ENGINEERING APPROVAL.



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PUBLIC RIGHT OF WAY  
MULHOLLAND DRIVE  
LOS ANGELES, CA 91356

ENGINEER STAMP:

SCALE NONE 8 ICE BRIDGE DETAIL

SCALE NONE 6 UTILITY RISER DETAIL

SCALE NONE 5 CONDUIT STUB-UP

SCALE NONE 2 UTILITY TRENCH DETAIL

SCALE NONE 3 GRAVEL DETAIL

DRAWING TITLE:  
**DETAILS**

DRAWING SCALE:  
AS NOTED

DATE:  
02/27/23

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DRAWING NUMBER:  
**D1**

verticalbridge

SITE NAME: \_\_\_\_\_  
 SITE NUMBER: \_\_\_\_\_  
 FCC TOWER ID: \_\_\_\_\_

Owned by: VERTICAL BRIDGE  
 Telephone: 877-589-6411  
 www.verticalbridge.com  
 sales@verticalbridge.com  
 operations@verticalbridge.com

**NO TRESPASSING**

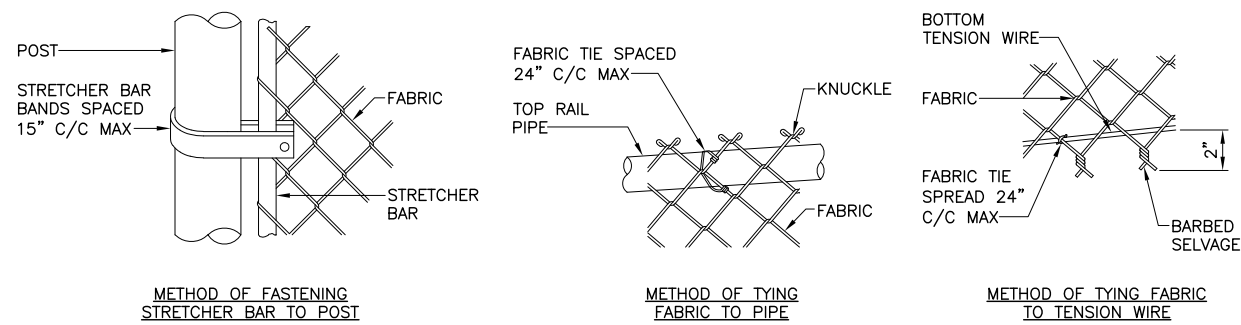
QUANTITY: 1  
 PROVIDER: VERTICAL BRIDGE  
 GC TO INSTALL AT PRIMARY ACCESS GATE

INFORMATION SIGN DETAIL

SCALE: NONE  
 5

FABRIC CONNECTIONS

SCALE: NONE  
 3



**FENCE NOTES:**

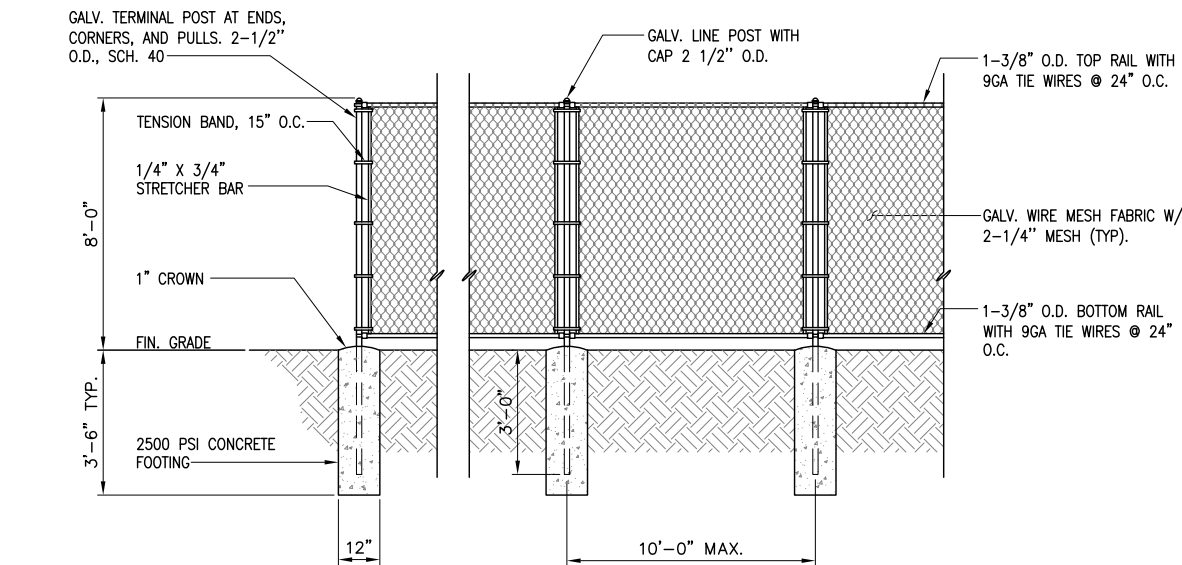
- ZINC COATING – THE WEIGHT OF THE COATING SHALL NOT BE LESS THAN 1.2 OUNCES PER SQUARE FOOT OF ACTUAL SURFACE COVERED. ALL FERROUS METALS USED AS PART OF THE FENCE INSTALLATION SHALL BE HOT DIP GALVANIZED OR STAINLESS STEEL. ALL SCREWS, BOLTS, LOCK WASHERS, NUTS, ETC. SHALL BE HOT DIP GALVANIZED OR MADE OF STAINLESS STEEL.
- FABRIC – STANDARD INDUSTRIAL GRADE #9 GAUGE WITH 1-3/4" INCH MESH ZINC COATED CHAIN LINK WITH A BREAKING STRENGTH OF NOT LESS THAN 1290 POUNDS SHALL BE USED. THE FABRIC SHALL BE ZINC COATED BY THE HOT DIP PROCESS AFTER FABRICATION.
- METAL POSTS – METAL POSTS (LINE, CORNER, TERMINAL, GATE POSTS, MIDDLE RAILS, BRACES AND TOP RAIL) SHALL BE HOT DIP GALVANIZED SCHEDULE 40 TUBULAR STEEL WITH AN OUTSIDE DIAMETER AS INDICATED ON THIS DRAWING. A POST TOP FITTING OF GALVANIZED STEEL WILL BE INSTALLED TO EXCLUDE MOISTURE.
- POST CAPS – ALL POST CAPS TO USE THE BARBED WIRE OUTRIGGER BRACKET AND SHALL BE ATTACHED TO THE POST WITH TAMPER RESISTANT SCREWS, BRADS, OR BOLTS.
- TOP RAIL – A MINIMUM OF ONE COUPLING IN EACH STRAIGHT RUN OF TOP RAIL, SHALL HAVE A HEAVY SPRING INSERTED WITHIN THE COUPLING TO TAKE UP EXPANSION AND CONTRACTION OF THE TOP RAIL. THE TOP RAIL SHALL BE FASTENED TO TERMINAL POSTS WITH PRESSED STEEL CONNECTIONS.
- BRACE RAIL – BRACE RAIL MATERIAL SHALL BE OF THE MATERIAL AS THE TOP RAIL AND LOCATED 2/3 OF THE DISTANCE UP FROM THE BOTTOM OF THE FABRIC. BRACE RAILS SHALL BE SECURELY FASTENED TO POSTS BY SUITABLE PRESSED STEEL CONNECTIONS.
- TRUSS RODS – SHALL BE 3/8" ROUND GALVANIZED STEEL RODS WITH GALVANIZED TURNBUCKLES. THE ZINC COATING SHALL BE NOT LESS THAN 1.2 OUNCES PER SQUARE FOOT OF SURFACE.
- TENSION WIRE – THE TENSION WIRE SHALL BE OF #7 GAUGE HOT DIP GALVANIZED SPRING TENSION WIRE WITH A BREAKING STRENGTH OF NOT LESS THAN 1900 POUNDS. THIS WIRE SHALL BE KEPT TAUT WITH GALVANIZED TURNBUCKLES AND ATTACHED TO POSTS WITH GALVANIZED HARDWARE OR CABLE CLAMPS.
- FABRIC TIES – THE FABRIC TIES SHALL BE ALUMINUM WIRE. NOT LESS THAN #9 GAGE.
- STRETCHER BARS – THE STRETCHER BARS SHALL BE FLAT GALVANIZED STEEL BARS NOT LESS THAN 5/16" X 3/4" AND NOT LESS THAN 2" SHORTER THAN THE FABRIC. STRETCHER BAR BANDS SHALL BE FLAT GALVANIZED STEEL BARS NOT LESS THAN 5/16" X 1 1/2" WITH 5/16" DIAMETER GALVANIZED CARRIAGE BOLT.
- GATE FRAMES SHALL BE CONSTRUCTED OF 2 1/2 INCH OUTSIDE DIAMETER HEAVY DUTY GALVANIZED STEEL PIPE. THE GATES SHALL BE ASSEMBLED USING CORNER FITTINGS OF HEAVY PRESSED STEEL OR MALLEABLE CASTINGS OR MAY BE WELDED IF THE ENTIRE GATE FRAME IS HOT DIP GALVANIZED AFTER THE WELDING. ALL GATES SHALL BE EQUIPPED WITH HEAVY DUTY GALVANIZED STEEL TYPE HINGES WITH LARGE BEARING SURFACES OF ADEQUATE STRENGTH TO SUPPORT THE GATE. THE HINGES SHALL NOT TWIST OR TURN UNDER THE ACTION OF THE GATE. GATES WILL PROVIDE A FULL RANGE OF MOTION AND BE EASILY OPENED AND CLOSED BY ONE PERSON. GATE LATCH SHALL BE CARGO PROTECTORS, INC. MODEL FL-100. LATCH SHALL BE EQUIPPED TO RECEIVE A PADLOCK.



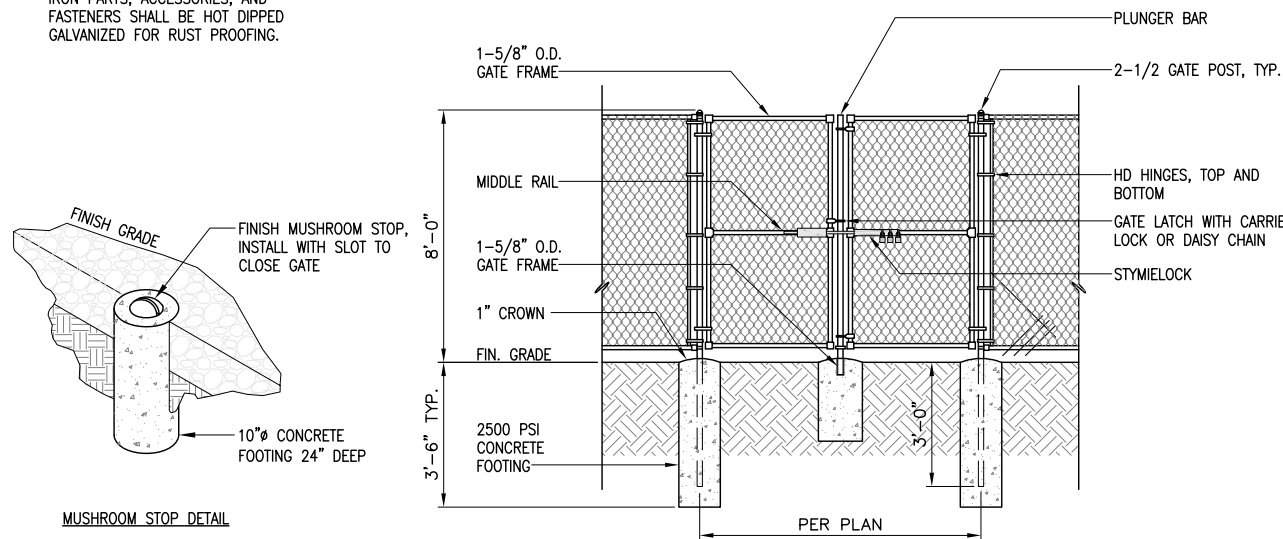
QUANTITY: 1  
 PROVIDER: VERTICAL BRIDGE  
 GC TO INSTALL AT PRIMARY ACCESS GATE

RF WARNING SIGN DETAIL

SCALE: NONE  
 6

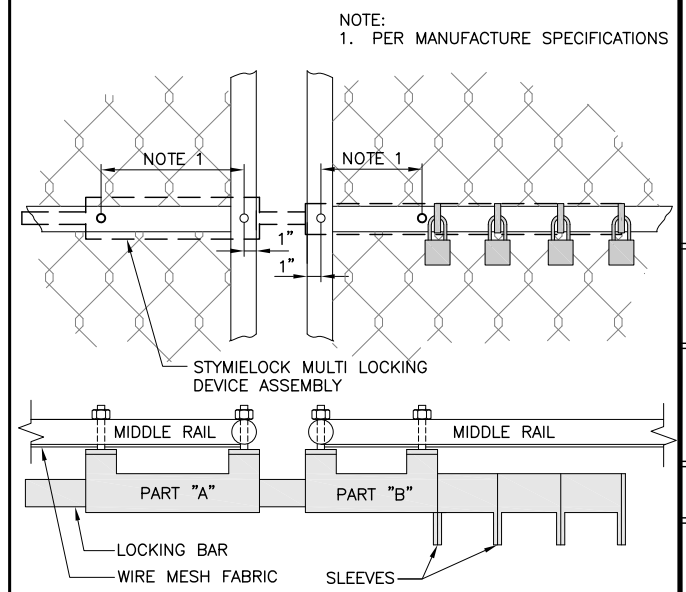


**NOTE:**  
 ALL STEEL AND/OR MALLEABLE IRON PARTS, ACCESSORIES, AND FASTENERS SHALL BE HOT DIPPED GALVANIZED FOR RUST PROOFING.



FENCE NOTES

SCALE: NONE  
 1



STYMILOCK DETAIL

SCALE: NONE  
 2

**NOTICE**  
 GUIDELINES FOR WORKING IN RADIOFREQUENCY ENVIRONMENTS

- All personnel should have electromagnetic energy (EME) awareness training.
- All personnel entering this site must be authorized.
- Obey all posted signs.
- Assume all antennas are active.
- Before working on antennas, notify owners and disable appropriate transmitters.
- Maintain minimum 3 feet clearance from all antennas.
- Do not stop in front of antennas.
- Use personal RF monitors while working near antennas.
- Never operate transmitters without shields during normal operation.
- Do not operate base station antennas in equipment room.

QUANTITY: 1  
 PROVIDER: VERTICAL BRIDGE  
 GC TO INSTALL AT PRIMARY ACCESS GATE

RF GUIDELINES SIGN DETAIL

SCALE: NONE  
 7

FENCE DETAILS

SCALE: NONE  
 4

CLIENT

750 PARK OF COMMERCE DR.  
 SUITE 200 | BOCA RATON, FL | 33487  
 561.948.6367

SITE ACQUISITION

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DATE:  
 02/27/23

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DRAWING NUMBER:  
 D2

MANUFACTURER: CERAGON  
 MODEL: RFU-D ODU  
 DIMENSIONS (HxWxD): (9.05"x9.17"x3.85" inches)  
 WEIGHT: 14.33 lbs (6.50 kg)



CERAGON RFU-D DETAIL

SCALE  
 NONE

9

MANUFACTURER: ERICSSON  
 MODEL: RADIO 4480 B71/B85  
 DIMENSIONS (HxWxD): (21.8"x15.7"x7.5" inches)  
 WEIGHT: 93.0 lbs (42.0 kg)

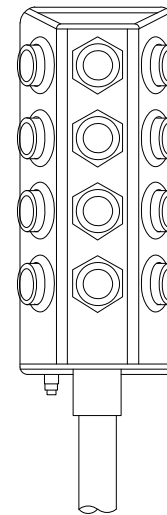


RADIO 4480 B71/B85 DETAIL

SCALE  
 NONE

6

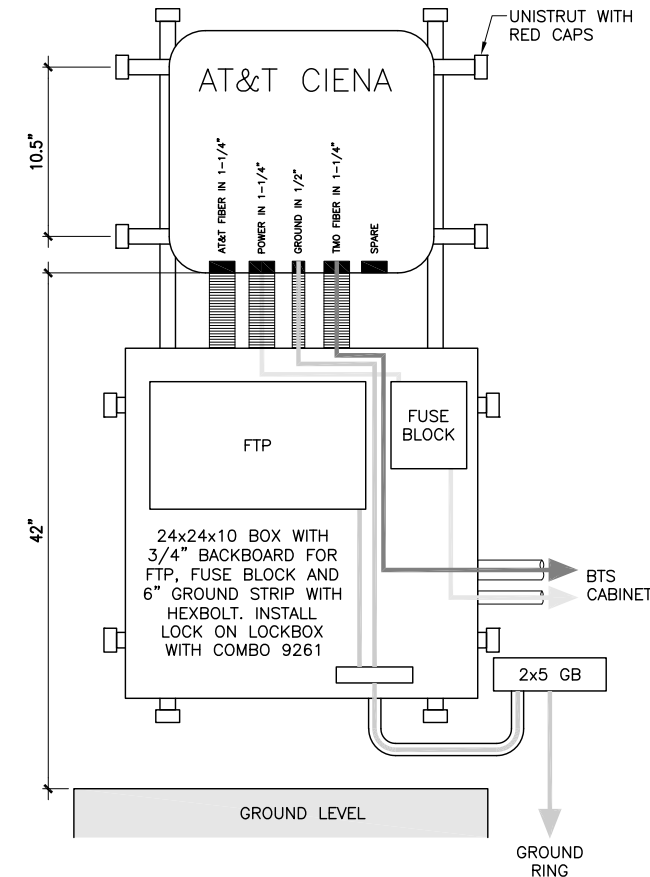
- NOTES:  
 1. PERMANENTLY ATTACHED TO TRUNK CABLE, NOT FIELD REMOVABLE/REPLACEABLE  
 2. NO INTERNAL OVP.  
 3. CONTRACTOR TO VERIFY IF BLOCKS/BUTTERFLIES ARE REQUIRED BY TOWER OWNER.  
 4. ALL PARTS TO BE COMMSCOPE OR APPROVED EQUAL



HCS BREAKOUT DETAIL

SCALE  
 NONE

3



FIBER DIAGRAM DETAIL

SCALE  
 NONE

1

NOT USED

SCALE  
 NONE

10

RADIO 4460 B25/B66 DETAIL

SCALE  
 NONE

7

AIR 6419 ANTENNA DETAIL

SCALE  
 NONE

4

MANUFACTURER: RFS  
 MODEL: APXVAALL24\_43-U-NA20  
 DIMENSIONS (HxWxD): (95.9"x24.0"x8.5" inches)  
 WEIGHT: 171.7 lbs (77.9 kg) EXCLUDING MOUNTING KIT  
 MOUNTING KIT: APM40-5E

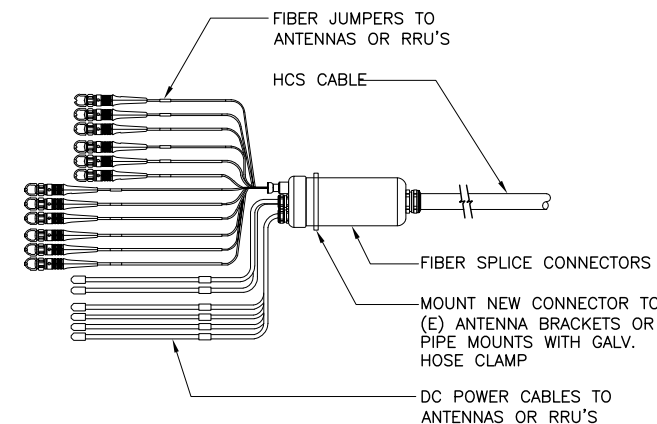


RFS ANTENNA DETAIL

SCALE  
 NONE

5

HCS DETAIL



6 PAIRS OF 6AWG CONDUCTORS  
 12 FIBERS PAIRS (24 FIBERS), EACH TERMINATED WITH ODC MALE CONNECTOR  
 DIA = 1.28" IN

HCS DETAIL

SCALE  
 NONE

2

INSTALL INTERSECT CAM-LOK GENERATOR CONNECTOR WITH MALE CONNECTOR, OPTIONAL LEFT OR RIGHT SIDE CONNECTION



Specifications :

<b>1. General</b>	
Construction	Single layer Aluminum enclosure, Type 3R
Dimensions (W x H x D)	20 x 40 x 10 inch (508 x 1016 x 254 mm) exclude generator receptacle
Weight	71 lbs (without packaging)
Finish	Polyester Powder Paint
Door Latch	3-Point latching, pad lockable
Safety	UL50 (Cabinet) UL 991 Dead Front Switchboard Listed Suitable for Use as Service Equipment (N-G Bonding kit included)
<b>2. Environment</b>	
Operating temperature	-40°C to +48°C (-40°F to 115°F)
Humidity (relative)	95%, non-condensing (Max.)
Protection class	Type 3R
<b>3. AC Section</b>	
Voltage	240/120 Single Phase (3-wire + Ground)
Current	200A
AIC Rating	Utility 65,000 Amps, Appliance 10,000 Amps Generator Interface: Appliance AR2004RS (Left Mount) Service Disconnect: Square D 200 Amp (65KAIC) Mechanical Slide Bar Interlock Load Center: Square D 200 Amp, QO Series, 24 Position Surge Protection Device (SPD) - 1 ea. AC Data 2080 Square D 30 Amp, 2-Pole Breaker for SPD Ground Bar Silkscreen Dead-Front Lift Off Style Captive Dead-Front Fasteners
<b>4. Ordering information</b>	
3790340400-A	Power Transfer Cabinet - Mini, 200A
3790122800-S	Power Transfer Cabinet - Mini, 200A, Right side Generator connector

POWER PROTECTION CABINET (PPC) DETAIL

SCALE  
 NONE

8

CLIENT

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 SUITE 200 | BOCA RATON, FL | 33487  
 561.948.6367

SITE ACQUISITION

**AD ASSURANCE DEVELOPMENT**

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 626.765.5079

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 949.232.5045

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NO.	SUBMITTAL / REVISION	BY	DATE

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 DESIGNED: CV  
 CHECKED: APP

PROJECT NUMBER: US-CA-7268

PROJECT TITLE:  
**US-CA-7268  
 SV14231B  
 BRAEMAR**  
 PUBLIC RIGHT OF WAY  
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ENGINEER STAMP:

DRAWING TITLE:  
**DETAILS**

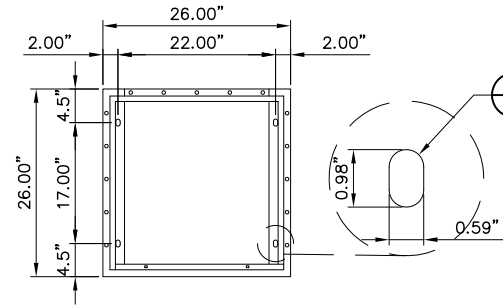
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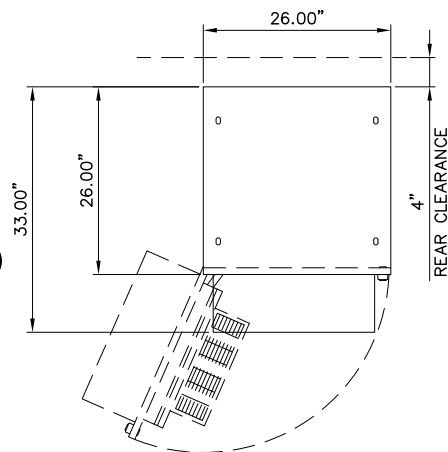
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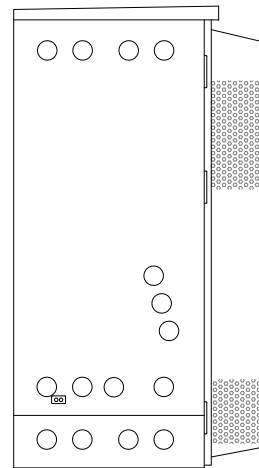
MANUFACTURER: ERICSSON SITE SUPPORT CABINET  
 MODEL: 6160  
 DIMENSIONS: 63"x26"x26"  
 WEIGHT: 320 LBS (WITHOUT EQUIPMENT)  
 WEIGHT: 1,351 LBS (FULLY LOADED)



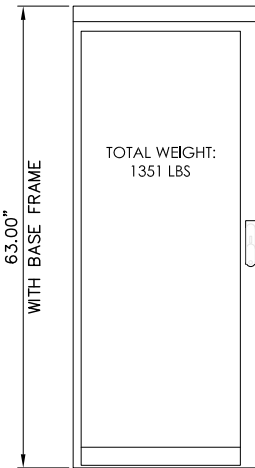
CABINET BASE



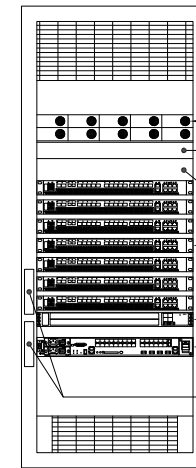
PLAN VIEW



SIDE VIEW

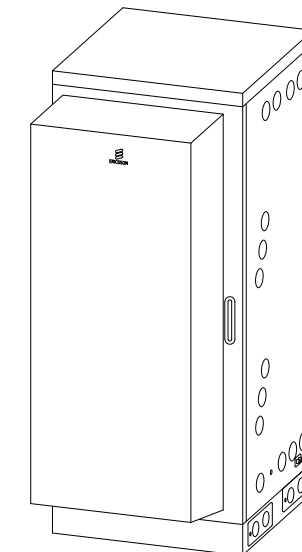


FRONT VIEW



FRONT VIEW (OPEN)

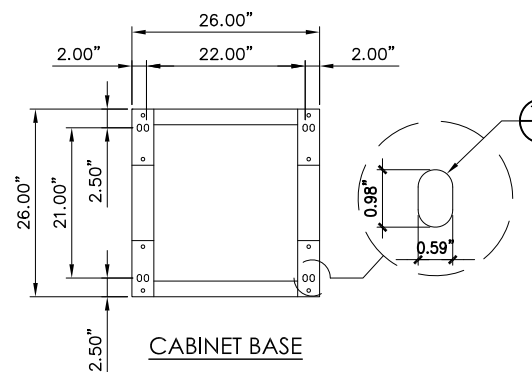
- RECTIFIERS
- FIBER STORAGE UNIT/BOX
- BREAKER EXPANSION
- BASEBAND 6630
- LEGACY BASEBAND
- CRS/SAS ROUTER
- ACCESS SLOTS



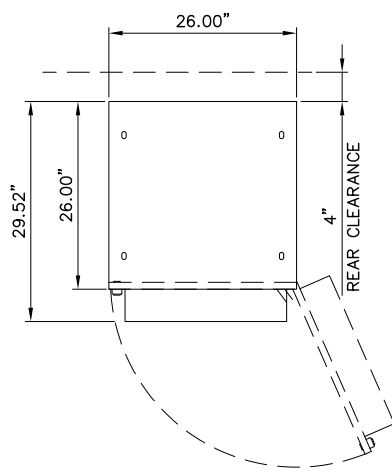
ERICSSON 6160 CABINET DETAILS

SCALE NONE 1

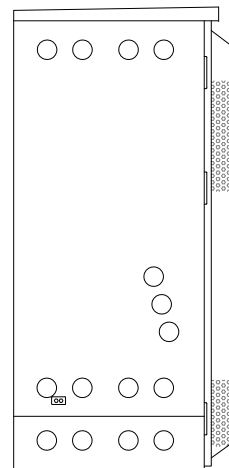
MANUFACTURER: ERICSSON BATTERY CABINET  
 MODEL: B160  
 DIMENSIONS: 63"x26"x26"  
 WEIGHT: 295 LBS (WITHOUT EQUIPMENT)  
 WEIGHT: (12-BATTERIES NORTHSTAR 210FT RED): 1,584 LBS  
 WEIGHT: 1,879 LBS (FULLY LOADED)



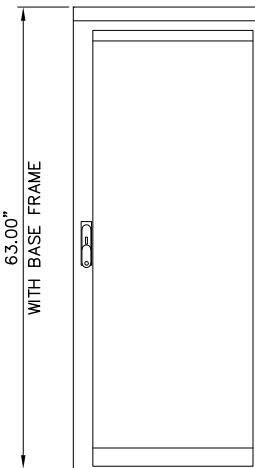
CABINET BASE



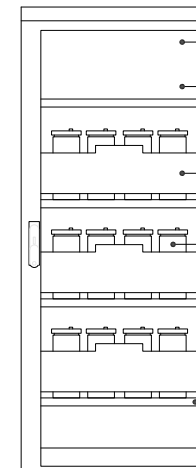
PLAN VIEW



SIDE VIEW

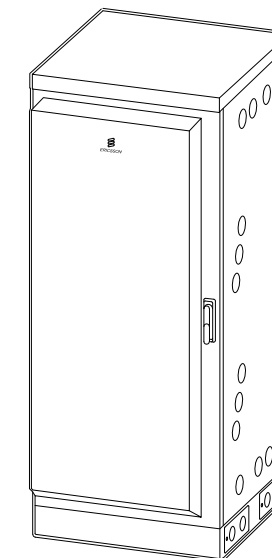


FRONT VIEW



FRONT VIEW (OPEN)

- 25A AUX BREAKERS, FANS, LIGHT, ETC.
- ALARM BOX, PRELABELED
- BATTERY BRACKETS, TYP.
- 3X BATTERY SHELVES, UP TO 200AHR, WITH PRE-INSTALLED HEATERS
- BATTERY VIBRATION MOUNTS, TYP.

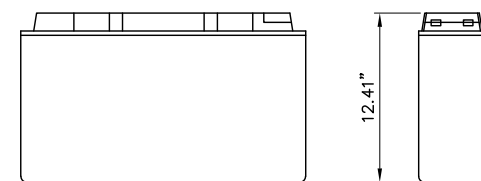
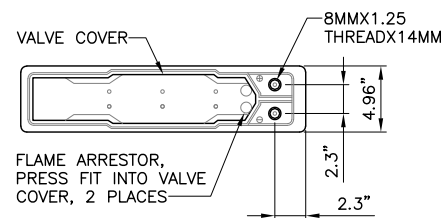


ERICSSON B160 CABINET DETAILS

SCALE NONE 2

MANUFACTURER: NORTHSTAR  
 MODEL: NSB 210FT RED  
 DIMENSIONS (HxLxD): 12.9"x22"x4.96"  
 WEIGHT: 132 LBS EACH (12-BATTERIES TOTAL)

NO. OF BATTERIES	12
ELECTROLYTE PER BATTERY	1.92 GALLONS
TOTAL ELECTROLYTE	23.04 GALLONS
NOMINAL VOLTAGE	12 VOLTS
CAPACITY	156 AMP-HRS
KWH PER BATTERY	1.872 KWH
TOTAL CAPACITY	22.46 KWH



The NSB RED Battery® delivers long life for reliable and unreliable grid conditions.

- Pure lead AGM technology delivers long float life for telecom applications even at elevated temperatures
- 15 year float life at 20 °C (68°F)
- EUROBAT design life definition: Very Long Life (12+ years)
- High energy density
- Operating temperature range: -40°C to +65°C (-40°F to 149°F)
- State-of-the-art automated manufacturing ensures consistency and reliability
- Advanced 3 stage terminal design to ensure leak-free operation - female M8 brass terminals provide maximum performance
- 2 year shelf life at 25 °C (77°F)
- High modulus Polyphenylene Oxide (PPO) plastic materials designed to withstand extended elevated operating temperatures and maintain high battery compression essential for reliable operation
- Non-halogenated, thermally sealed plastic casing
- Flame retardant (UL 94 V0) and LOI of at least 28%
- Integral handles and front access terminals ensure ease of installation and maintenance
- Approved as non-hazardous cargo for ground, sea, and air transport - DOT 49CFR173.159(d), (i) and (ii)

NORTHSTAR BATTERY DETAIL

SCALE NONE 3

CLIENT

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 561.948.6367

SITE ACQUISITION

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PROJECT TITLE:

**US-CA-7268  
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 BRAEMAR**

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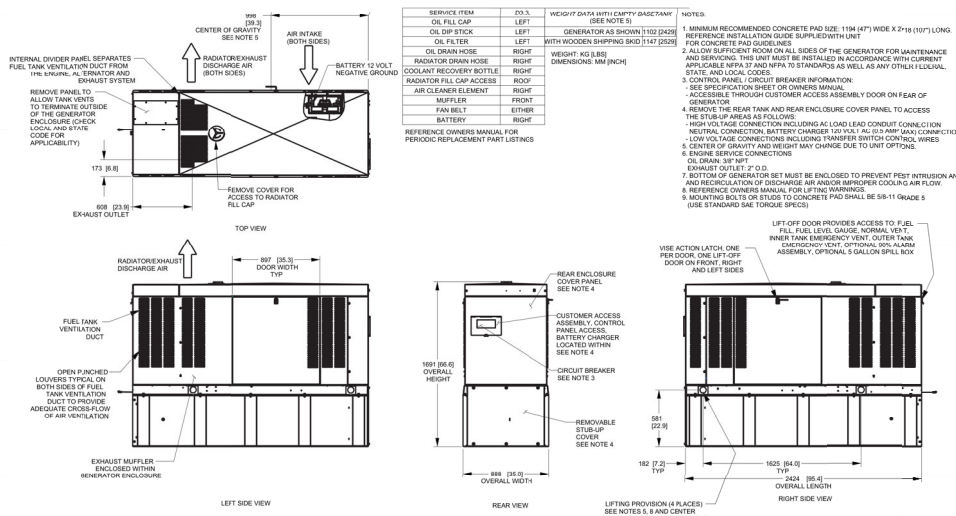
Protector™

15 • 20 • 30 • 48 • 50 KW  
03.3L G16 132 Gal Tank (1 of 2)

GENERAC  
Installation Drawings

03.3L G16 132 Gal Tank (2 of 2)

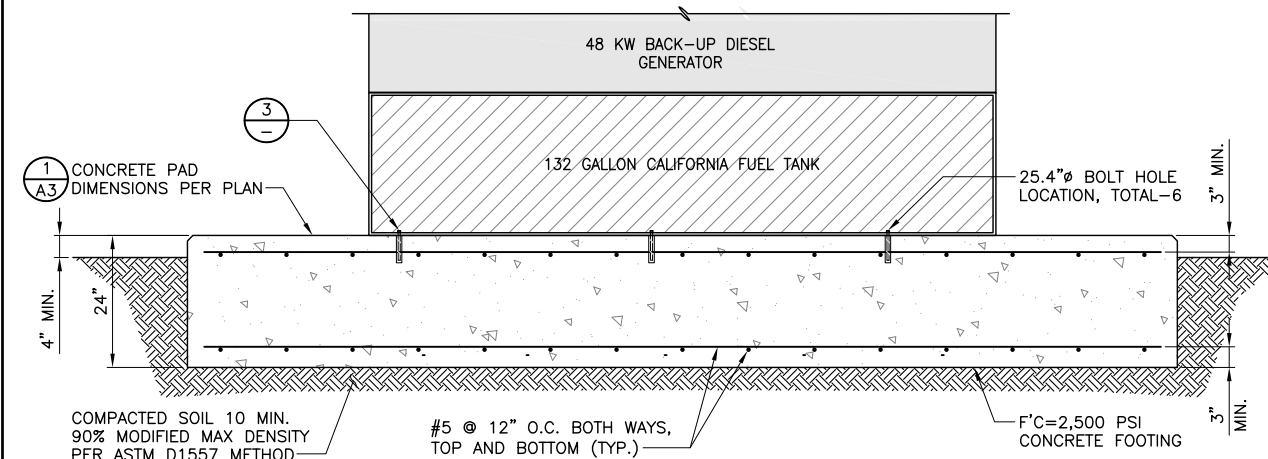
Protector™



CABINET MOUNTING AND EQUIPMENT PAD DETAIL

SCALE NONE 1

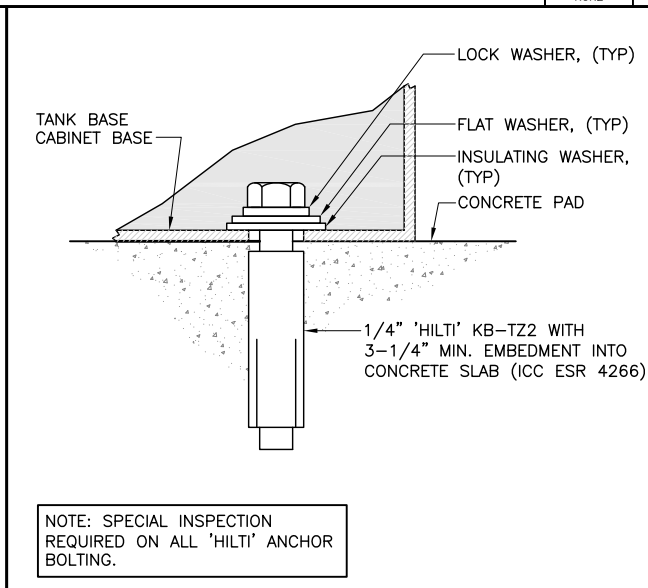
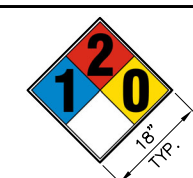
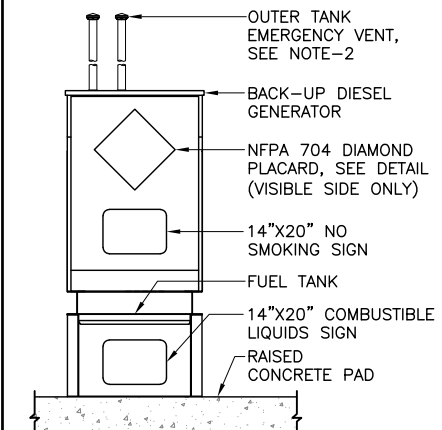
**NOTES:**  
1. EXCAVATE AS REQUIRED TO REMOVE VEGETATION AND TOP SOIL, EXPOSE UNDISTURBED NATURAL SUBGRADE AND PLACE MINIMUM 4" OF CRUSHED STONE OR SAND. PROVIDE VISQUEEN (VAPOR BARRIER) AS REQUIRED.  
2. 1" CHAMFER ALL EXPOSED EDGES OF CONCRETE.



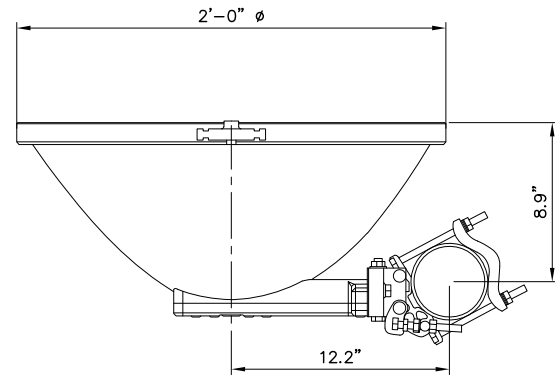
48KW GENERATOR MOUNTING AND EQUIPMENT PAD DETAIL

SCALE NONE 2

**NOTES:**  
1. ADD (3) VENT EXTENSIONS FOR THE DIESEL TANK, TO BE TERMINATED NOT LESS THAN 12 FT. ABOVE THE GROUND LEVEL AND OUTSIDE OF ANY WEATHER ENCLOSURE THAT IS PROVIDED FOR THE TANK.  
2. PLACE (2) SIGNS OF EACH ON (2) VISIBLE SIDES OF THE GENERATOR.



MANUFACTURER: COMMSCOPE  
 MODEL: VHLP2-18-2WH/D  
 DIMENSIONS: 2'-0"Øx 8.9"DEPTH  
 WEIGHT: 12.677 LBS (WITHOUT MOUNTING)  
 WEIGHT: 18.298 LBS (WITH MOUNTING)  
 OPERATING FREQUENCY BAND: 17.700-19.700 GHZ  
 COMPATIBLE MOUNTING PIPE DIA.: 1.9"-4.7"



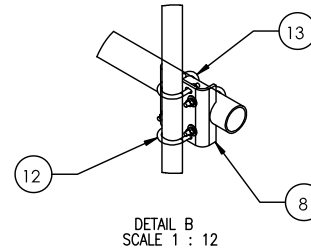
PLAN VIEW



ITEM	PART NO.	DESCRIPTION	QTY.	WEIGHT
1	MC-RM1550-3	12" - 50" OD RINGMOUNT	1	230.42 LBS
2	MT197H	HARDWARE KIT (NEXT ITEM)	3	
3	GB-0524A	5/8" X 2-1/2" GALV BOLT KIT (A325)	12	0.31 LBS
4	MT216.13	CENTER BRACKET	3	11.80 LBS
5	GUB-53560	5/8" X 3-5/8" X 6" GALV U-BOLT	6	1.30 LBS
6	GUB-5456	5/8" X 4-5/8" X 6 1/2" GALV U-BOLT	6	1.43 LBS
7	MT-219-H	HARDWARE KIT (Next 3 Items)	6	
8	MT21701	PIPE MOUNT PLATE	6	7.93 LBS
9	MT54784	Ø3.5" O.D. X 84" PIPE	3	53.22 LBS
10	MT-651	2.375" OD x 72" PIPE	6	-
11	MT197.01	36" SINGLE SUPPORT ARM	3	62.84 LBS
12	GUB-4240	1/2" X 2-1/2" X 4" GALV U-BOLT	12	0.56 LBS
13	GUB-4356	1/2" X 3-5/8" X 6" GALV U-BOLT	12	0.82 LBS

PARTS LIST FOR USE WITH MC-K6M-B

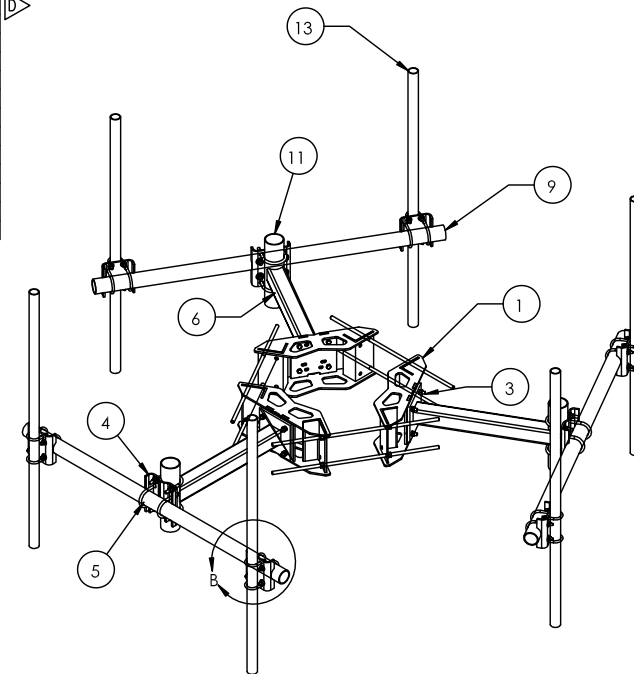
T-FRAME #	PIPE	DESCRIPTION	QTY	WEIGHT
MC-K6M-B	-	BASE KIT	0	610.51 LBS
MC-K6M-6-72	MT-651	2-3/8"OD X 72" GALV PIPE	6	809.83 LBS
MC-K6M-6-96	MT-651-96	2-3/8"OD X 96" GALV PIPE	6	853.44 LBS
MC-K6M-9-72	MT-651	2-3/8"OD X 72" GALV PIPE	9	909.49 LBS
MC-K6M-9-96	MT-651-96	2-3/8"OD X 96" GALV PIPE	9	974.90 LBS



DETAIL B  
SCALE 1 : 12

NOTES:  
1. ALL METRIC DIMENSIONS ARE IN BRACKETS.

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---	---	---	---



NOT USED

SCALE  
NONE

6

NOT USED

SCALE  
NONE

7

2'-0"Ø MICROWAVE DETAIL

SCALE  
NONE

4

STAND-OFF T-ARM DETAIL

SCALE  
NONE

1

NOT USED

SCALE  
NONE

8

NOT USED

SCALE  
NONE

5

NOT USED

SCALE  
NONE

3

NOT USED

SCALE  
NONE

2

CLIENT



750 PARK OF COMMERCE DR.  
SUITE 200 | BOCA RATON, FL | 33487  
561.948.6367

SITE ACQUISITION



ASSURANCE  
DEVELOPMENT

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PANEL "T-MO"											
120/240V, 1 PHASE, 3W, 200A, BUS, (SEE AIC NOTE)						200A MAIN BRK (COMMERCIAL PWR) UL LISTED SERVICE ENTRANCE EQUIPMENT					
DESCRIPTION	MAIN BREAKER RATING (A):			200		SYSTEM VOLTAGE (V): 240					
	VA	c/nc	BKR	POSN	L1	L2	POSN	BKR	c/nc	VA	DESCRIPTION
6160 CABINET	10400	C	125	1	11600		2	20	NC	1200	SERVICE LIGHT
	10400	C		3		11120	4	20	NC	720	GFCI RECEPTACLE
				5	0		6				
				7		0	8				
				9	0		10				
				11		0	12				
				13	0		14				
				15		0	16				
				17	0		18				
				19		0	20				
SURGE SUPPRESSOR	180	C	20	21	360		22	20	NC	180	GENERATOR BATT CHARGER
	180	C		23		580	24	20	NC	400	GENERATOR HEATER MAT
PHASE TOTALS (VA):				11960	11700						
CURRENT PER PHASE (A):				127	114	AMPARES/PHASE CANNOT EXCEED MAIN BREAKER RATING					
PANEL TOTAL (VA):				23660		LEGEND: C = CONTINUOUS, NC = NON-CONTINUOUS					
PANEL CAPACITY (kVA):				48.0		CONNECTED LOAD (kVA): 23.7					
PANEL LOADING (100% NON-CONT. LOAD) (kVA):				2.5							
PANEL LOADING (125% NON-CONT. LOAD) (kVA):				26.5							
PANEL LOADING (TOTAL) (kVA):				29.0							
SPARE CAPACITY (kVA):				19.1							

AIC NOTE:  
AIC RATING FOR PANEL SHALL MATCH OR EXCEED THE AVAILABLE SHORT CIRCUIT CURRENT PROVIDED BY THE SERVICE PROVIDER. GC TO COORDINATE WITH SERVICE PLANNER FOR INFORMATION.

### PANEL SCHEDULE T-MOBILE EQUIPMENT

AIC NOTE:  
AIC RATING FOR PANEL SHALL MATCH OR EXCEED THE AVAILABLE SHORT CIRCUIT CURRENT PROVIDED BY THE SERVICE PROVIDER. GC TO COORDINATE WITH SERVICE PLANNER FOR INFORMATION.

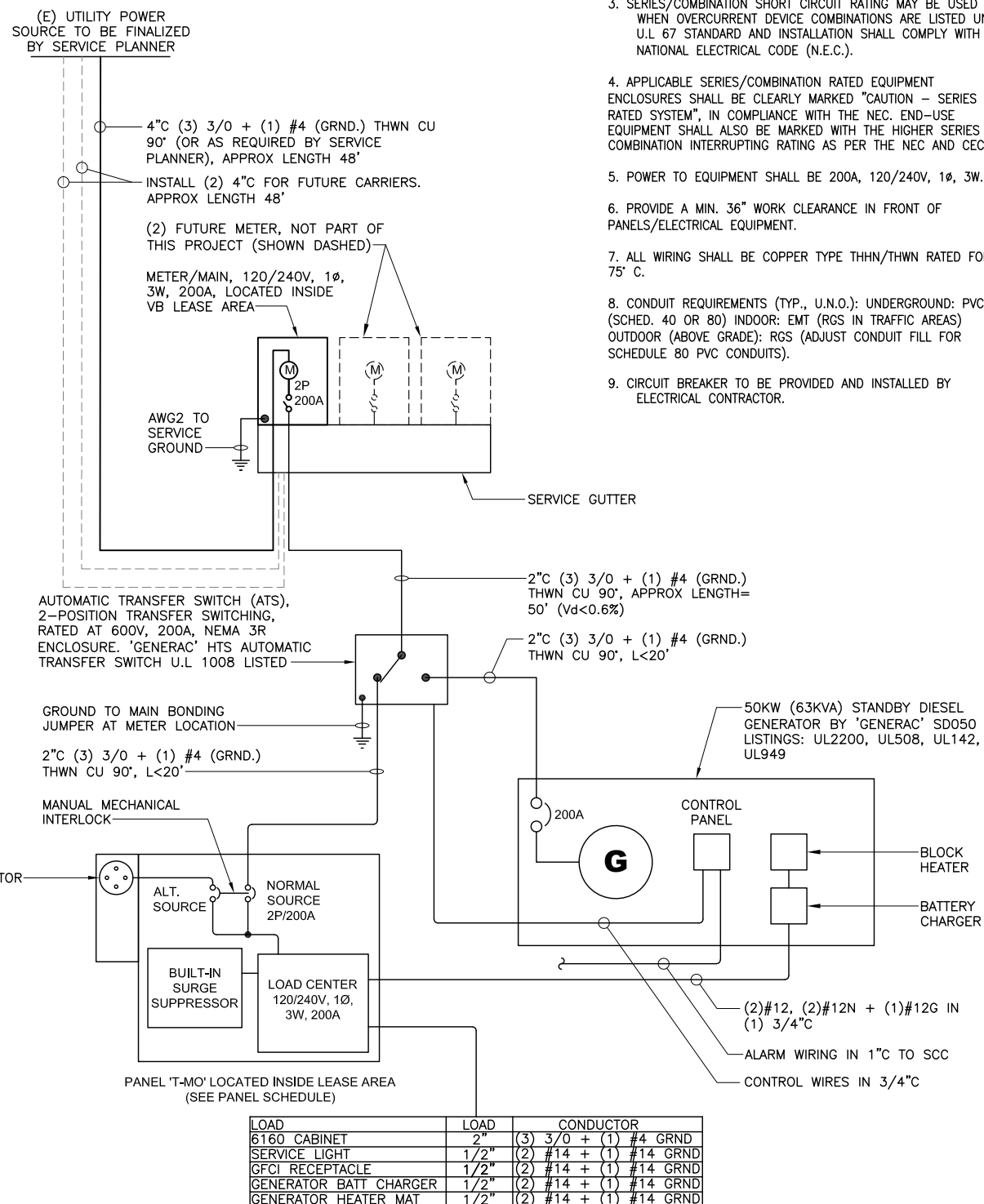
#### SYMBOLS

- G— GROUNDING WIRE, DASHED LINE INDICATES UNDERGROUND
- UGP— POWER LINE, DASHED INDICATES UNDERGROUND
- UGT— FIBER, DASHED LINE INDICATES UNDERGROUND
- (X / X-X) DETAIL REFERENCE DETAIL NO. X ON SHEET X-X
- ⊕ GROUND ROD
- ⊕ GROUND ROD WITH ACCESS
- ⊔ FUSED DISCONNECT SWITCH, 240V, 2P, 30A, WEATHERPROOF, UNO
- Ⓜ UTILITY METER
- ⌋ CIRCUIT BREAKER
- ⌋ FUSE
- ⊔ DUPLEX RECEPTACLE WITH GFCI IN WEATHERPROOF ENCLOSURE
- Ⓜ SWITCH, 120AC, 20A  
ab - SWITCH LEG  
M - MANUAL MOTOR STARTER
- CLAMP OR DOUBLE HOLE LUG TYPE GROUND CONNECTION
- EXOTHERMIC CONNECTION (CADWELD) TO GROUND RING AND COMPRESSION CONNECTION TO GROUND HALO

#### ABBREVIATIONS:

- |      |   |        |                               |
|------|---|--------|-------------------------------|
| AWG  | AMERICAN WIRE GAUGE                           | (N)    | NEW                           |
| AFC  | AVAILABLE FAULT CURRENT                       | ∅      | PHASE                         |
| BTCW | BARE TINNED COPPER WIRE                       | P      | POLE                          |
| BTS  | BASE TRANSMISSION SYSTEM                      | P.O.C. | POINT OF CONNECTION           |
| C    | CONDUIT                                       | PVC    | POLYVINYL CHLORIDE CONDUIT    |
| CB   | CIRCUIT BREAKER                               | (R)    | REPLACE OR REWIRE WITH AS (E) |
| CO   | CONDUIT ONLY                                  | RGS    | RIGID GALVANIZED STEEL        |
| DWG  | DRAWING                                       | TEL    | TELEPHONE                     |
| EMT  | ELECTRICAL METALLIC TUBING                    | TYP.   | TYPICAL                       |
| (E)  | EXISTING EQUIPMENT                            | U.G.   | UNDERGROUND                   |
| (F)  | FUTURE EQUIPMENT                              | UNO    | UNLESS NOTED OTHERWISE        |
| GEN  | GENERATOR                                     | W      | WIRE                          |
| GFI  | GROUND FAULT CIRCUIT INTERRUPTER              | WP     | WEATHERPROOF EQUIPMENT        |
| GND  | GROUND  |        |                               |
| KAIC | THOUSAND AMPS INTERRUPTING CAPACITY           |        |                               |
| NEMA | NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION |        |                               |

200A 120/240V 1PH  
MALE CAM LOK STYLE CONNECTOR



#### SINGLE LINE DIAGRAM NOTES:

- MAXIMUM AVAILABLE FAULT: SERVING UTILITY COMPANY'S STANDARD INDICATES THAT THE MAXIMUM AVAILABLE FAULT WILL NOT EXCEED 42 KA. CONTRACTOR IS REQUIRED TO VERIFY THE ACTUAL AVAILABLE FAULT AT THE TIME OF CONSTRUCTION WITH SERVING UTILITY CO.
- ALL CURRENT CARRING DEVICES SHALL BE U.L. LISTED AND BRACED TO WITHSTAND THE MAXIMUM AVAILABLE FAULT AT ITS TERMINALS.
- SERIES/COMBINATION SHORT CIRCUIT RATING MAY BE USED WHEN OVERCURRENT DEVICE COMBINATIONS ARE LISTED UNDER U.L 67 STANDARD AND INSTALLATION SHALL COMPLY WITH NATIONAL ELECTRICAL CODE (N.E.C.).
- APPLICABLE SERIES/COMBINATION RATED EQUIPMENT ENCLOSURES SHALL BE CLEARLY MARKED "CAUTION - SERIES RATED SYSTEM", IN COMPLIANCE WITH THE NEC. END-USE EQUIPMENT SHALL ALSO BE MARKED WITH THE HIGHER SERIES COMBINATION INTERRUPTING RATING AS PER THE NEC AND CEC.
- POWER TO EQUIPMENT SHALL BE 200A, 120/240V, 1∅, 3W.
- PROVIDE A MIN. 36" WORK CLEARANCE IN FRONT OF PANELS/ELECTRICAL EQUIPMENT.
- ALL WIRING SHALL BE COPPER TYPE THHN/THWN RATED FOR 75° C.
- CONDUIT REQUIREMENTS (TYP., U.N.O.): UNDERGROUND: PVC (SCHED. 40 OR 80) INDOOR: EMT (RGS IN TRAFFIC AREAS) OUTDOOR (ABOVE GRADE): RGS (ADJUST CONDUIT FILL FOR SCHEDULE 80 PVC CONDUITS).
- CIRCUIT BREAKER TO BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.

### SINGLE LINE DIAGRAM T-MOBILE EQUIPMENT



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PROJECT NUMBER: US-CA-7268

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**US-CA-7268**  
**SV14231B**  
**BRAEMAR**  
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#### ENGINEER STAMP:

### DRAWING TITLE: SINGLE LINE DIAGRAM & PANEL SCHEDULE

#### DRAWING SCALE:

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**ELECTRIC SERVICE NOTES:**

ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN CONFORMANCE WITH NFPA 70 (LATEST REVISION). THE RESPECTIVE EQUIPMENT MANUFACTURER'S DIRECTIONS AND ALL OTHER APPLICABLE LOCAL CODES, LAWS, ORDINANCES AND REQUIREMENTS IN FORCE. ANY INSTALLATION WHICH WOULD VOID THE U.L. LISTING (OR OTHER THIRD PARTY LISTING) AND/OR THE MANUFACTURER'S WARRANTY OF A DEVICE SHALL NOT BE PERMITTED.

COORDINATE ELECTRIC SERVICE WITH LOCAL POWER UTILITY COMPANY. COORDINATE WITH UTILITY FOR METER TYPE AND CONNECTION.

ALL CONDUIT SHALL BE SEALED WATERTIGHT UNTIL FINAL TERMINATIONS ARE MADE.

PROVIDE PULL CORD IN ALL CONDUITS. SECURE AT EACH END.

ADJUST DEPTH OF CONDUITS TO PASS ABOVE GROUNDING SYSTEM.

PROVIDE 18 INCH (MIN.) RADIUS ELBOWS FOR ALL BENDS.

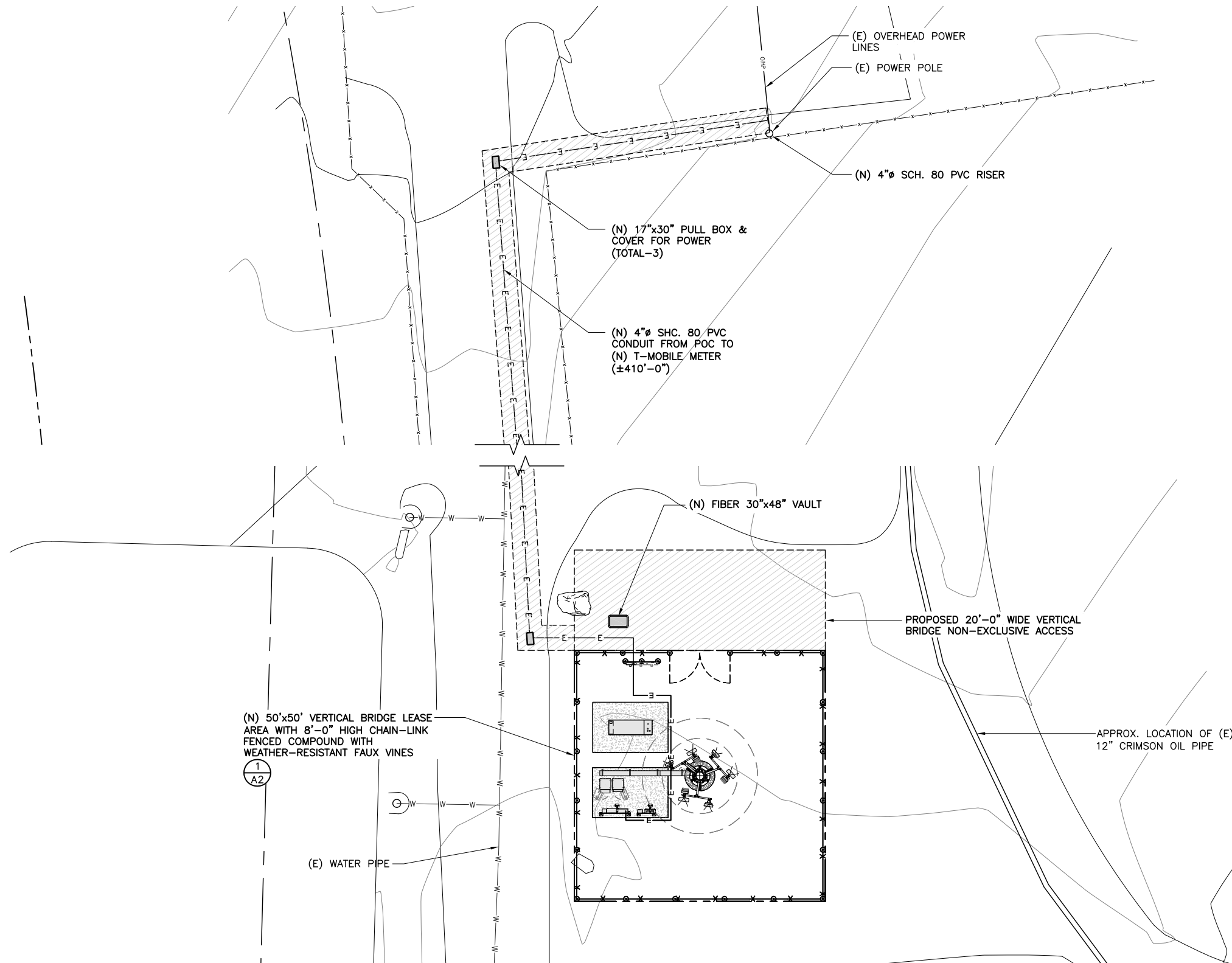
PROVIDE PHENOLIC ENGRAVED NAMEPLATES AT THE SERVICE DISCONNECT LABELED: "SERVICE DISCONNECT" & "NOTE ENGINE GENERATOR NEUTRAL IS ALSO BONDED TO GROUND AT THE SERVICE DISCONNECT." PROVIDE ADDITIONAL NAMEPLATES NOTING TYPE AND LOCATION OF STANDBY POWER SOURCE.

**UTILITY NOTES:**

1. ALL ELECTRICAL EQUIPMENT, ELECTRICAL DETAILS AND ELECTRICAL SPECIFICATIONS DEPICTED ON THIS PLAN SET ARE DESIGNED BY OTHERS. THEY ARE PROVIDED FOR LOCATION AND GENERAL REFERENCE ONLY. ALL REGULATORY AND DESIGN OBLIGATIONS ARE THE RESPONSIBILITY OF THE ELECTRICAL ENGINEER. THE CROSSROADS GROUP, LLC ASSUMES NO RESPONSIBILITY OR LIABILITY ASSOCIATED WITH THE DESIGN OBLIGATIONS OF THE ELECTRICAL ENGINEER.

2. LINES SHOWN DO NOT REPRESENT THE EXACT LOCATION OF THE CONDUIT RUNS CONTRACTOR TO VERIFY SERVICE LOCATIONS W/ACTUAL FIELD CONDITIONS.

**NOTE:**  
NEW BURIED OR OVERHEAD UTILITIES MUST BE CONTAINED WITHIN A DEDICATED UTILITY EASEMENT. ALL EXISTING AND NEW UTILITY EASEMENTS MUST BE VERIFIED PRIOR TO CONSTRUCTION. NO DIGGING OR TRENCHING SHALL BE ALLOWED WITHOUT PRIOR VERIFICATION OF EXISTING BURIED UTILITIES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UTILITIES (WHETHER SHOWN OR NOT) AND PROTECT SAID UTILITIES FROM ANY DAMAGE CAUSED BY CONTRACTOR'S ACTIVITIES.



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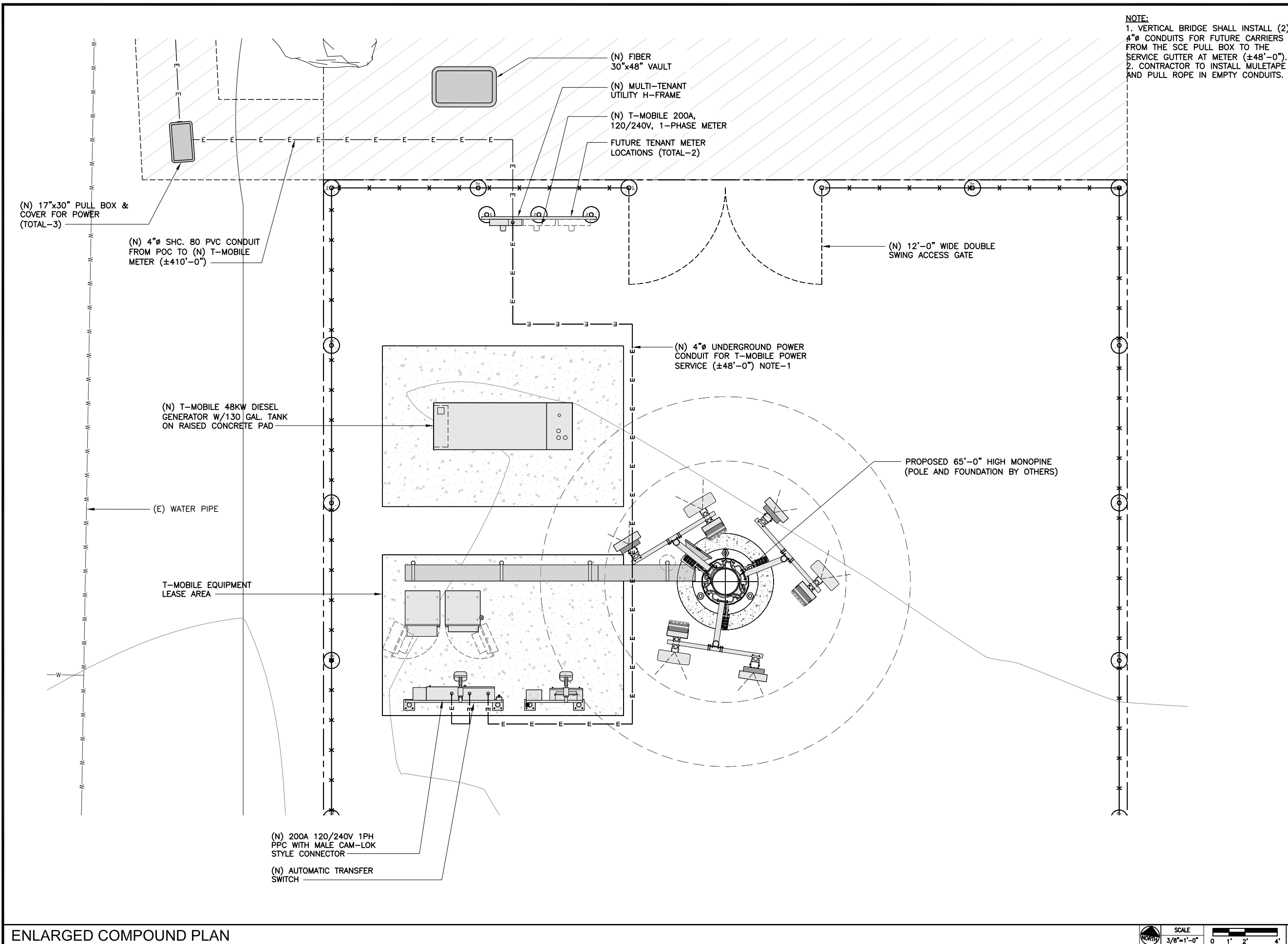
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**NOTE:**  
 1. VERTICAL BRIDGE SHALL INSTALL (2) 4" Ø CONDUITS FOR FUTURE CARRIERS FROM THE SCE PULL BOX TO THE SERVICE GUTTER AT METER (±48'-0").  
 2. CONTRACTOR TO INSTALL MULETAPE AND PULL ROPE IN EMPTY CONDUITS.

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**ENLARGED POWER ROUTING PLAN**

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ENLARGED COMPOUND PLAN

**GROUNDING NOTES:**

1. SYSTEM GROUND RESISTANCE SHALL NOT EXCEED 10 OHMS. A THREE POINT SYSTEM RESISTANCE TEST SHALL BE PERFORMED BY THE CONTRACTOR IN ACCORDANCE WITH VERTICAL BRIDGE SPECIFICATIONS.
- A. PERFORM THREE TESTS AT EACH SITE
- B. CONTRACTOR SHALL PROVIDE A WRITTEN REPORT CONSISTING OF THE FOLLOWING: SITE NAME, ADDRESS AND IDENTIFICATION NUMBER, DESCRIPTION OF SITE SOIL AND MOISTURE CONDITION, DESCRIPTION OF WEATHER, MODEL NUMBER OF TESTING EQUIPMENT, DATE OF LAST CALIBRATION, SITE SKETCH SHOWING LOCATION OF TEST PROBES AND ALL FIELD DATA COLLECTED (READINGS, RANGE, TEST, MILLIAPS, ETC.)
- C. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER IF THERE ARE ANY DIFFICULTIES PERFORMING SYSTEM RESISTANCE TESTS OR IF MEASUREMENTS ARE ABOVE 10 OHMS. THE CONSTRUCTION MANAGER SHALL PROVIDE INSTRUCTION TO THE CONTRACTOR TO INSTALL ADDITIONAL GROUNDING MEASURES TO MEET THE 10 OHM REQUIREMENT.
2. PROPOSED TOWER AND EQUIPMENT GROUND RING BURIED TO A DEPTH OF 30" OR 6" BELOW THE FROST LINE, WHICHEVER IS GREATER.
3. BOND PROPOSED TOWER TO TOWER GROUND RING (3 PLACES TOTAL).
4. PROPOSED 4" X 24" MASTER GROUND BAR. BOND MASTER GROUND BAR TO TOWER GROUND RING (TYP. X 2). PROVIDE 3/4"Ø PVC CONDUIT PROTECTION FOR GROUND LEADS. SEAL ENDS W/ SILICONE.
5. BOND GATE POST TO PROPOSED GROUND RING (TYP. X 2).
6. BOND FLEXIBLE JUMPER TO GATE (TYP. X 2).
7. BOND PROPOSED H-FRAME TO GROUNDING RING.
8. SERVICE ENTRANCE GROUND ROD.
9. BOND PROPOSED ICE BRIDGE POSTS TO EQUIPMENT GROUND RING (TYP. X 5).
10. BOND PROPOSED TOWER GROUND BAR TO TOWER GROUND RING (TYP. X 2).
11. BOND PROPOSED TOWER GROUND RING TO PROPOSED T-MOBILE GROUND RING (TYP. 2 PLACES).
12. BOND PROPOSED CONCRETE SLAB/FOOTING REBAR TO PROPOSED GROUND RING.

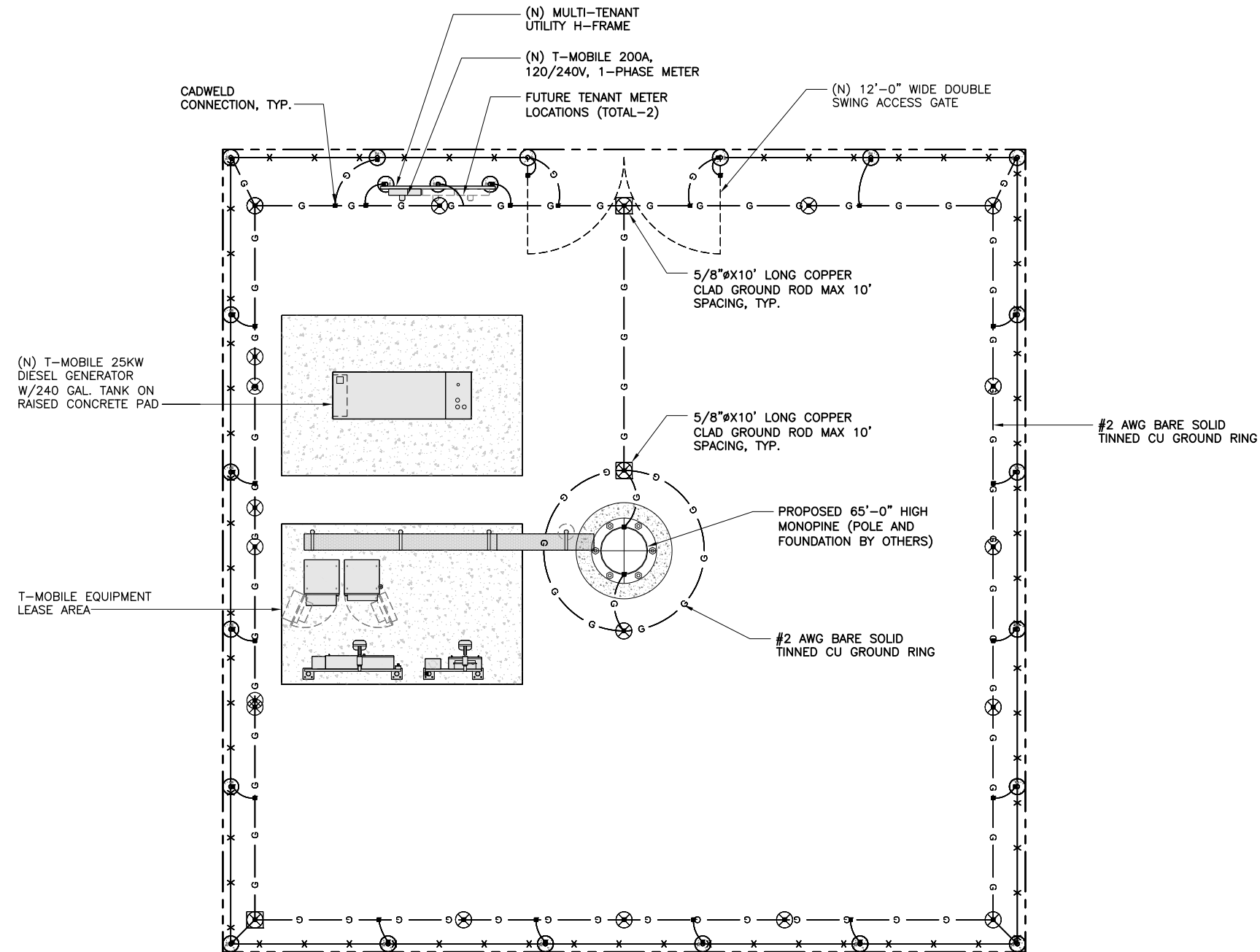
**EXTERIOR GROUNDING NOTES:**

1. GROUNDING SHALL CONFORM WITH VERTICAL BRIDGE STANDARDS AND PER FEDERAL, STATE AND LOCAL CODES. IN THE EVENT OF A CONFLICT, MEET THE MOST STRINGENT REQUIREMENT.
2. GROUND RODS PAST METER SHALL BE COPPER CLAD STEEL 5/8 INCH DIAMETER X 10 FEET IN LENGTH (MIN.)
3. ALL GROUND CONDUCTORS PAST METER SHALL BE #2 AWG SOLID BARE TINNED COPPER. MINIMUM BEND RADIUS FOR CONDUCTOR SHALL BE 8 INCHES.
4. GROUND RODS SHALL BE SPACED NOT MORE THAN 16'-0" AND NOT LESS THAN 6'-0" APART EXCEPT FOR THE TOWER GROUND RING WHICH SHALL COMPLY WITH TIA/EIA 222 (REV G).
5. CONTRACTOR SHALL ADD ADDITIONAL RODS AND CONDUCTORS OR APPROVED GROUND ENHANCING MATERIAL TO ACHIEVE LESS THAN 10 OHMS RESISTANCE TO GROUND.
6. MAINTAIN 2'-0" (TOWER) AND 3'-0" (SHELTER) BETWEEN GROUND RINGS AND FOUNDATIONS.
7. ALL GROUNDING INSTALLATIONS SHALL BE INSPECTED AND APPROVED BY ANY JURISDICTION HAVING INSPECTION & APPROVAL AUTHORITY (IF REQUIRED) AND VERTICAL BRIDGE BEFORE PLACING ANY BACKFILL.
8. ALL GROUNDING SPLICES AND CONNECTIONS SHALL BE MADE BY THE EXOTHERMIC WELD PROCESS (CADWELD OR EQUIVALENT). COAT ALL WELDS WITH A ZINC RICH PAINT.

THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING THE SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE TO THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED.

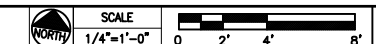
**SYMBOLS:**

- G— GROUNDING WIRE, DASHED LINE INDICATES UNDERGROUND
- ⊗ GROUND ROD
- ⊗ GROUND ROD WITH ACCESS
- CLAMP OR DOUBLE HOLE LUG TYPE GROUND CONNECTION
- EXOTHERMIC CONNECTION (CADWELD) TO GROUND RING AND COMPRESSION CONNECTION TO GROUND HALO



**VERTICAL BRIDGE COMOUND GROUNDING**

**COMPOUND GROUNDING PLAN**



CLIENT

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**COMPOUND GROUNDING PLAN**

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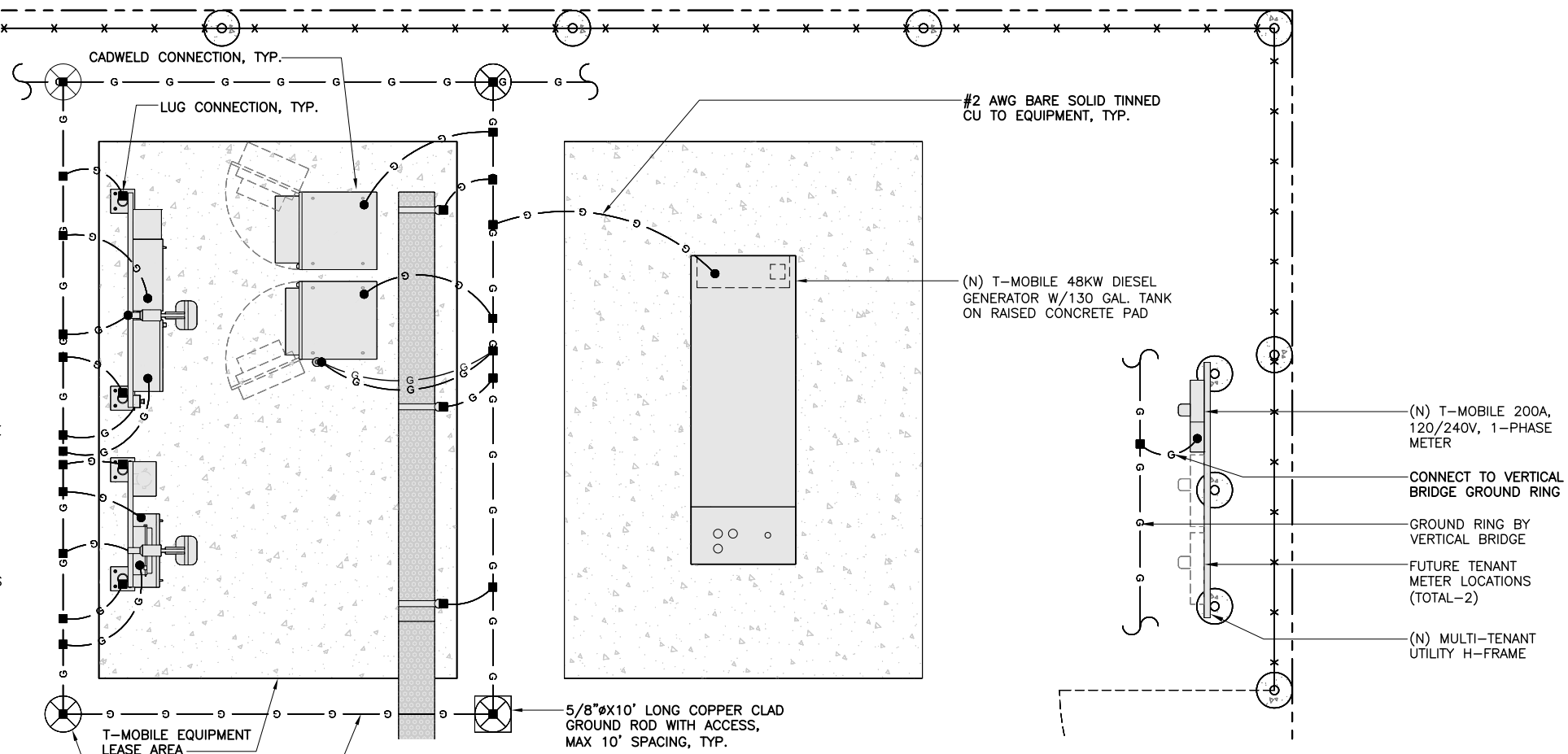
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**GENERAL GROUNDING NOTES:**

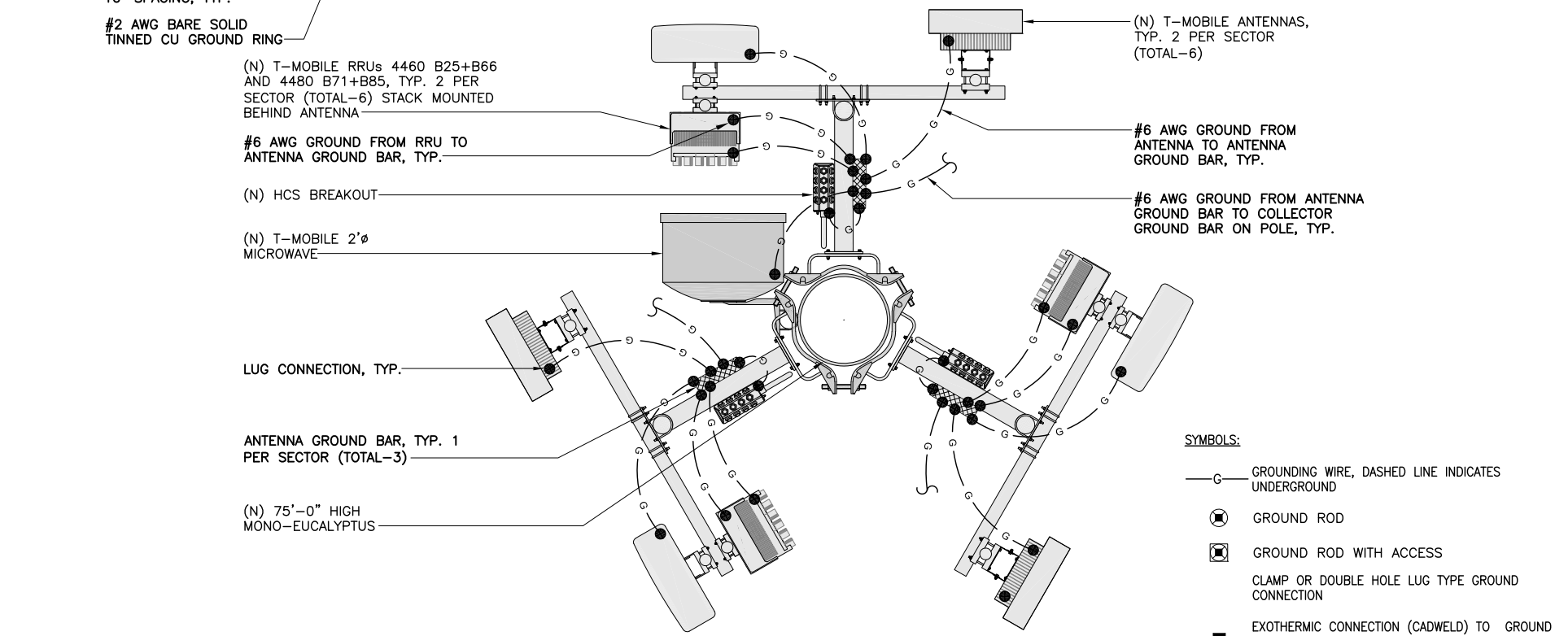
1. ALL GROUND CABLE IN CONCRETE OR THROUGH WALL SHALL BE IN 3/4" PVC CONDUIT. NO METALLIC CONDUIT SHALL BE USED FOR GROUNDING CONDUCTOR SLEEVES.
2. GROUND ALL EXPOSED METALLIC OBJECTS USING A TWO-HOLE NEMA DRILLED CONNECTOR SUCH AS THOMAS & BETTS #32207 OR APPROVED EQUAL.
3. THE CONTRACTOR SHALL NOTIFY THE VERTICAL BRIDGE REPRESENTATIVE WHEN THE GROUND RING IS INSTALLED SO THAT THE REPRESENTATIVE CAN INSPECT GROUND RING BEFORE IT IS CONCEALED.
4. ALL EXTERIOR GROUND CONDUCTORS INCLUDING GROUND RING SHALL BE #2 AWG SOLID BARE TINNED COPPER. MAKE ALL GROUND CONNECTIONS AS SHORT AND DIRECT AS POSSIBLE. AVOID SHARP BENDS. THE RADIUS OF ANY BEND SHALL NOT BE LESS THAN 8" AND THE INCLUSIVE ANGLE OF ANY BEND SHALL NOT EXCEED 90°. GROUNDING CONDUCTORS SHALL BE ROUTED DOWNWARD TOWARD THE BURIED GROUND RING.
5. ALL BELOW GROUND EXTERNAL CONNECTIONS SHALL BE EXOTHERMICALLY WELDED. ALL EXOTHERMIC WELDS TO BURIED GROUND RING SHALL BE THE PARALLEL, EXCEPT FOR THE GROUND RODS WHICH ARE TEE-TYPE EXOTHERMIC WELDS. REPAIR ALL GALVANIZED SURFACES THAT HAVE BEEN DAMAGED BY EXOTHERMIC WELDING. USE SPRAY GALVANIZED SUCH AS HOLUB LECTROSOL #15-501.
6. WHERE MECHANICAL CONNECTORS (TWO-HOLE OR CLAMP) ARE USED, APPLY A LIBERAL PROTECTIVE COATING OF A CONDUCTIVE ANTI-OXIDE COMPOUND ON ALL CONNECTORS. PROVIDE LOCK WASHERS ON ALL MECHANICAL CONNECTORS. USE STAINLESS STEEL HARDWARE THROUGHOUT. THOROUGHLY REMOVE ALL PAINT AND CLEAN ALL DIRT FROM SURFACES REQUIRING GROUND CONNECTORS, REPAINT TO MATCH EXISTING AFTER CONNECTION IS MADE TO MAINTAIN CORROSION RESISTANCE. ALL GROUND CONNECTIONS SHALL BE APPROVED FOR THE TYPES OF METALS BEING ATTACHED TO.
7. THE CONTRACTOR SHALL COORDINATE AS REQUIRED TO HAVE UTILITY COMPANY REPRESENTATIVE AT THE SITE TO DISCONNECT THE UTILITY NEUTRAL FROM GROUNDING SYSTEM DURING FINAL INSPECTION SO THAT REQUIRED TESTING ON THE GROUND SYSTEM CAN BE PERFORMED. THE CONTRACTOR SHALL PROVIDE NOTICE TO THE VERTICAL BRIDGE REPRESENTATIVE 2 (TWO) DAYS PRIOR TO FINAL TESTING. IF THE CONTRACTOR FAILS TO MAKE UTILITY COMPANY REPRESENTATIVE AVAILABLE DURING THE FINAL TESTING, THE CONTRACTOR SHALL PAY THE COST FOR AN INDEPENDENT GROUNDING CONSULTANT TO PERFORM THE GROUND RESISTANCE TEST. GROUNDING CONSULTANT SHALL BE SELECTED BY THE VERTICAL BRIDGE REPRESENTATIVE. IF THE UTILITY COMPANY REPRESENTATIVE FAILS TO APPEAR DUE TO NO FAULT OF THE CONTRACTOR, NO PENALTY SHALL APPLY.
8. ALL MOUNTING HARDWARE SHALL BE STAINLESS STEEL.
9. THE GROUND CONDUCTORS SHALL BE RUN STRAIGHT FOR MINIMUM INDUCTANCE AND VOLTAGE DROP. SINCE CABLE BENDS INCREASE INDUCTANCE, THE MINIMUM REQUIRED BENDING RADIUS IS 8 INCHES WHEN BENDS ARE UNAVOIDABLE. ALL METAL WORK WITHIN 10 FEET OF THE GROUNDING RING SHALL BE DIRECTLY BONDED TO THIS GROUND SYSTEM, WITHOUT USING SERIES OR DAISY CHAIN CONNECTION ARRANGEMENTS.
10. PAINT, ENAMEL, LACQUER AND OTHER ELECTRICALLY NON-CONDUCTIVE COATINGS SHALL BE REMOVED FROM THREADS AND SURFACE AREAS WHERE CONNECTIONS ARE MADE TO ENSURE ELECTRICAL CONTINUITY.
11. CONNECTIONS BETWEEN DISSIMILAR METALS SHALL NOT BE MADE UNLESS THE CONDUCTORS ARE SEPARATED BY A SUITABLE MATERIAL THAT IS A PART OF THE ATTACHMENT DEVICE LISTED AND APPROVED FOR USE WITH THE SPECIFIC DISSIMILAR METALS MAY BE USED FOR THE PURPOSE.
12. ALL BELOW GRADE GROUND SYSTEM CONDUCTORS SHALL BE A MINIMUM DEPTH OF 30" (OR 6" BELOW THE FROST LINE, WHICHEVER IS GREATER).
13. CONTRACTOR TO COORDINATE WITH TOWER CONTRACTOR TO PROVIDE, RUN AND TERMINATE POWER AND CONTROL WIRES WITHIN CONDUITS FROM LIGHTNING CONTROLLER TO ELECTRICAL AND CONTROL PANELS.
14. INTERMEDIATE COAX GROUNDING TO BE INSTALLED ON VERTICAL RUNS THAT EXCEED 200 FEET IN LENGTH. CONTRACTOR SHALL COORDINATE WITH VERTICAL CONSTRUCTION MANAGER ON LOCATION OF INTERMEDIATE GROUNDING LOCATION.

**T-MOBILE GROUNDING NOTES:**

1. NEW T-MOBILE BURIED EQUIPMENT GROUND RING (#2 AWG SOLID TINNED BCW).
2. NEW EQUIPMENT GROUND BAR NEAR NEW T-MOBILE EQUIPMENT.
3. NEW T-MOBILE CABINET(S) TO BE GROUNDED PER MANUFACTURER'S SPECIFICATIONS.
4. NEW T-MOBILE PPC CABINET TO BE GROUNDED PER MANUFACTURER'S SPECIFICATIONS.
5. NEW T-MOBILE CIENA CABINET TO BE GROUNDED PER MANUFACTURER'S SPECIFICATIONS.
6. BOND NEW T-MOBILE H-FRAME TO NEW T-MOBILE BURIED EQUIPMENT GROUND RING W/ #2 AWG SOLID TINNED BCW.
7. BOND NEW T-MOBILE EQUIPMENT GROUND BAR TO NEW T-MOBILE BURIED EQUIPMENT GROUND RING W/ #2 AWG SOLID TINNED BCW.
8. BOND NEW T-MOBILE ICE BRIDGE TO NEW T-MOBILE BURIED EQUIPMENT GROUND RING W/ #2 AWG SOLID TINNED BCW.
9. BOND NEW T-MOBILE GPS UNIT TO NEW T-MOBILE BURIED EQUIPMENT GROUND RING W/ #2 AWG SOLID TINNED BCW.
10. BOND NEW T-MOBILE 500 WATT LITHONIA QUARTZ FLOODLIGHT (OR APPROVED EQUAL) TO BE GROUNDED PER MANUFACTURER'S SPECIFICATIONS.
11. BOND NEW T-MOBILE BURIED EQUIPMENT GROUND RING TO NEW BURIED TOWER GROUND RING W/ #2 AWG SOLID TINNED BCW (TYP. (2) PLACES) (CONTRACTOR TO VERIFY).
12. BOND EXISTING CONCRETE SLAB/FOOTING REBAR TO EXISTING GROUND RING W/ #2 AWG SOLID TINNED BCW.
13. BOND NEW T-MOBILE TOWER BASED GROUND BAR TO NEW T-MOBILE UPPER TOWER GROUND BAR W/ #2 AWG SOLID TINNED BCW (CONTRACTOR TO VERIFY).
14. BOND NEW T-MOBILE UPPER TOWER GROUND BAR TO NEW T-MOBILE ANTENNA SECTOR GROUND BAR W/ #2 AWG SOLID TINNED BCW (CONTRACTOR TO VERIFY).
15. NEW T-MOBILE ANTENNA TO BE GROUNDED PER MANUFACTURER'S SPECIFICATIONS (TYP. OF 6).
16. NEW T-MOBILE RRUS TO BE GROUNDED PER MANUFACTURER'S SPECIFICATIONS (TYP. OF 6).



**T-MOBILE EQUIPMENT GROUNDING PLAN**



**T-MOBILE ANTENNA GROUNDING PLAN**

- SYMBOLS:**
- G- GROUNDING WIRE, DASHED LINE INDICATES UNDERGROUND
  - ⊗ GROUND ROD
  - ⊕ GROUND ROD WITH ACCESS
  - CLAMP OR DOUBLE HOLE LUG TYPE GROUND CONNECTION
  - EXOTHERMIC CONNECTION (CADWELDED) TO GROUND RING AND COMPRESSION CONNECTION TO GROUND HALO

ENLARGED COMPOUND PLAN

SCALE 1/2"=1'-0" 0 1' 2' 4'

CLIENT

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PROJECT TITLE:

**US-CA-7268  
SV14231B  
BRAEMAR**

PUBLIC RIGHT OF WAY  
MULHOLLAND DRIVE  
LOS ANGELES, CA 91356

ENGINEER STAMP:

DRAWING TITLE:

**EQUIPMENT GROUNDING PLAN**

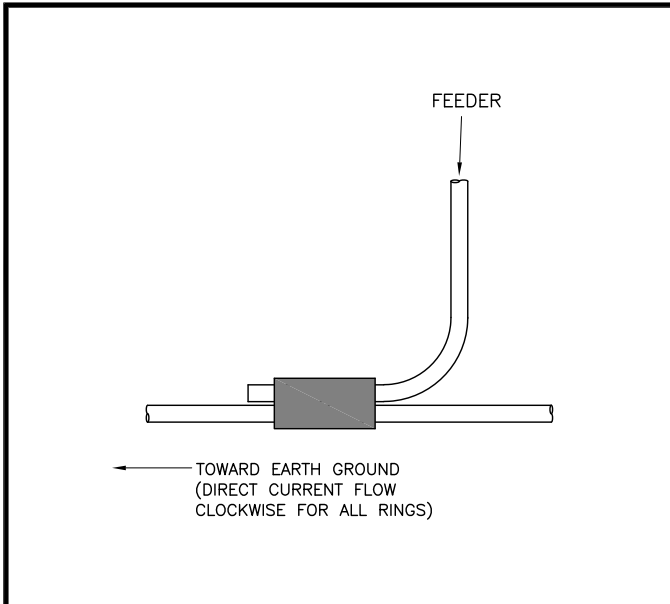
DRAWING SCALE: AS NOTED

DATE: 02/27/23

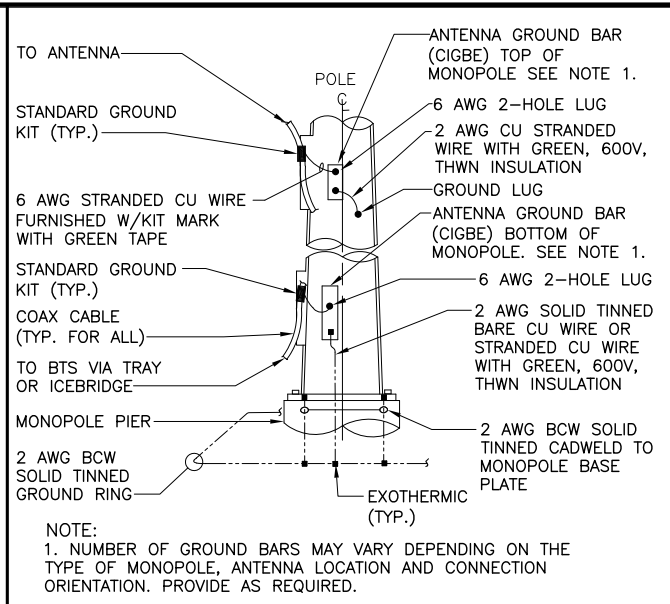
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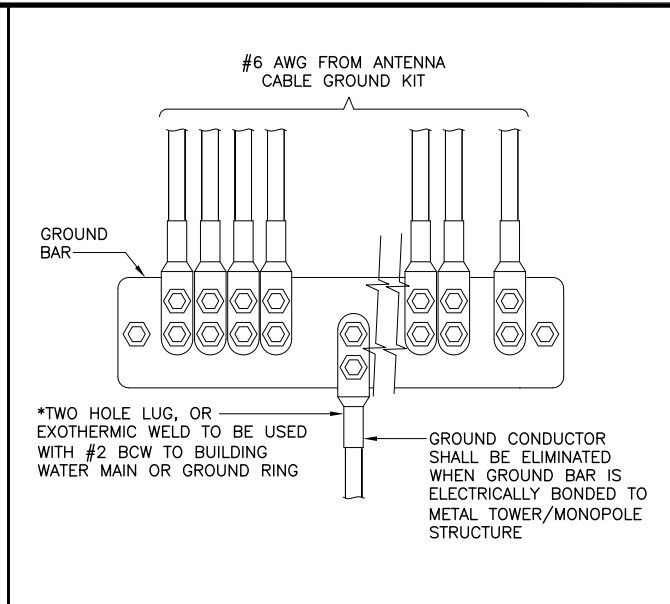
**E5**



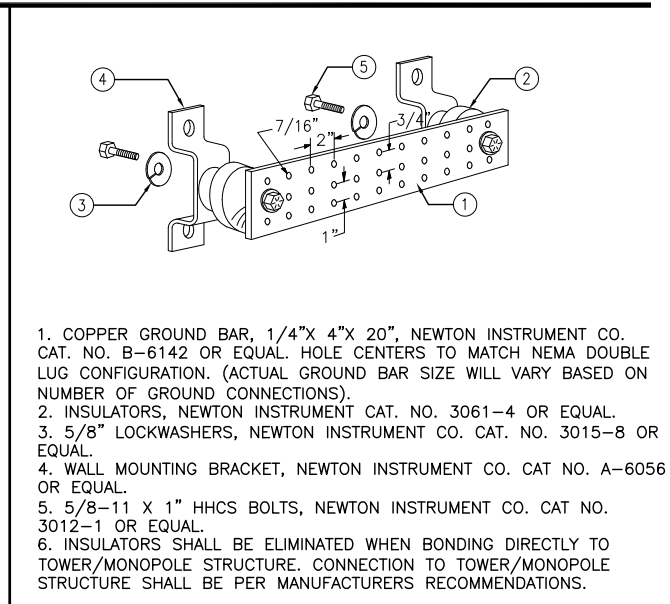
**GROUND CONDUCTOR CONN.** SCALE NONE 10



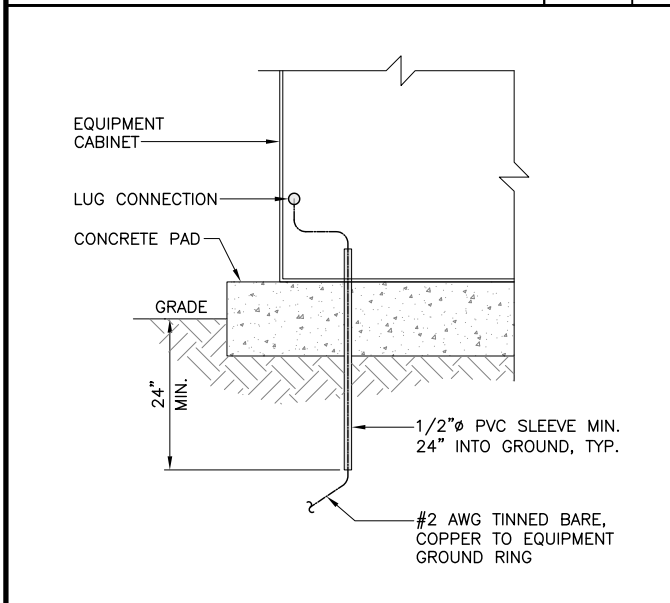
**MONOPOLE GROUNDING DETAIL** SCALE NONE 7



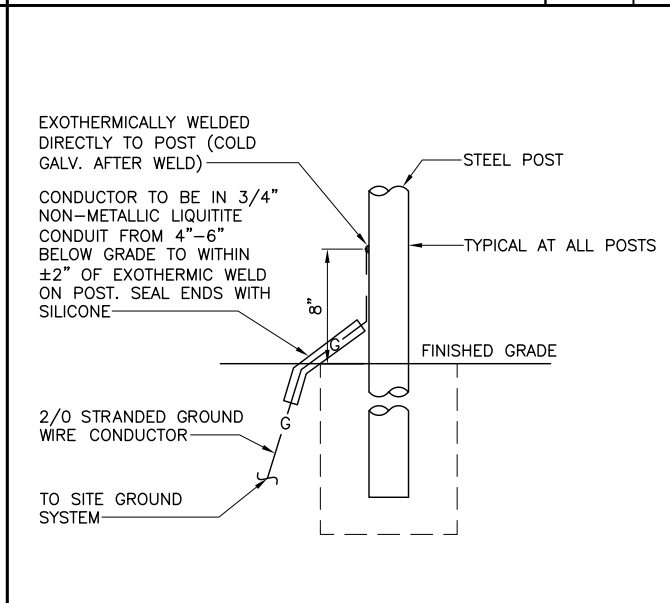
**GROUND WIRE TO GROUND BAR** SCALE NONE 4



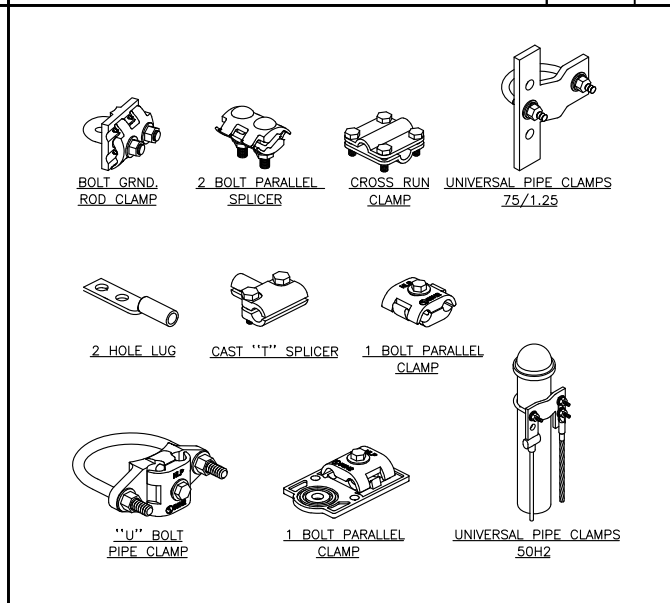
**GROUND BAR DETAIL** SCALE NONE 1



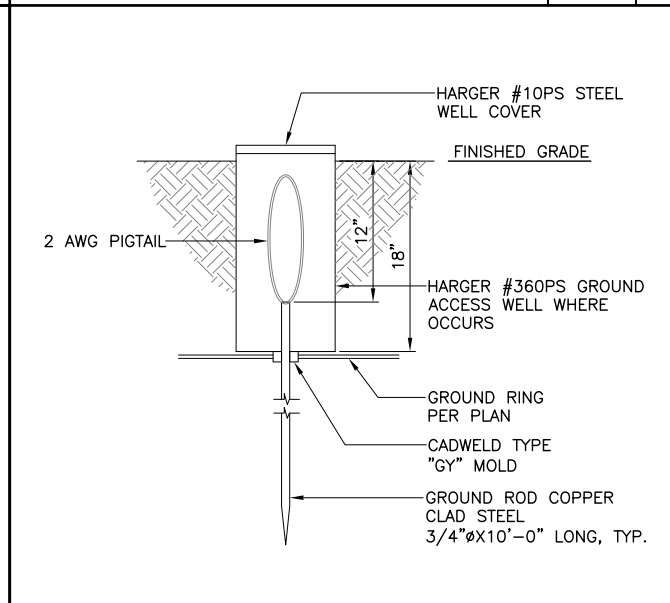
**GROUND SLEEVE DETAIL** SCALE NONE 11



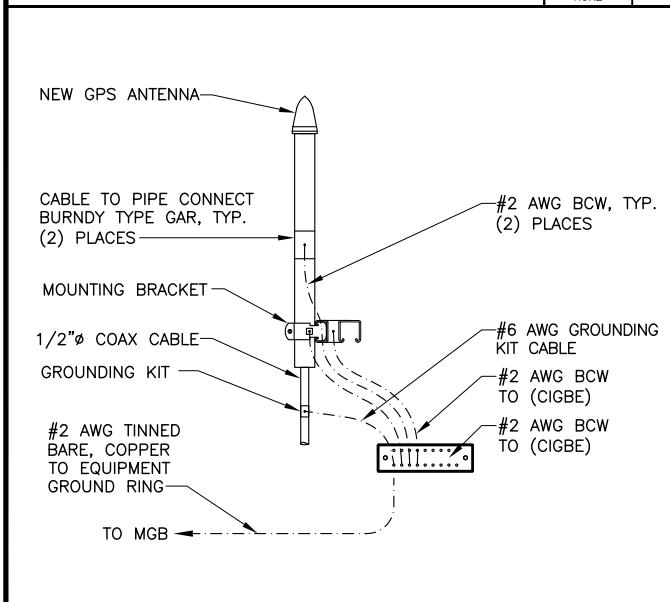
**POST GROUND DETAIL** SCALE NONE 8



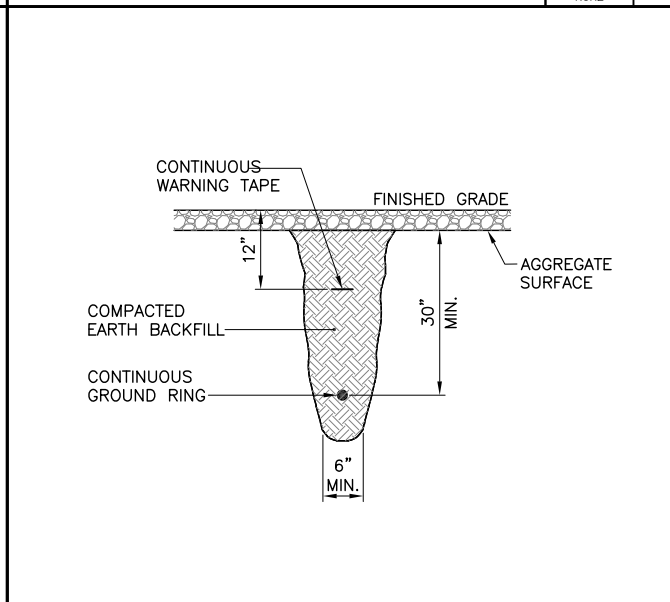
**MECHANICAL CONNECTION** SCALE NONE 5



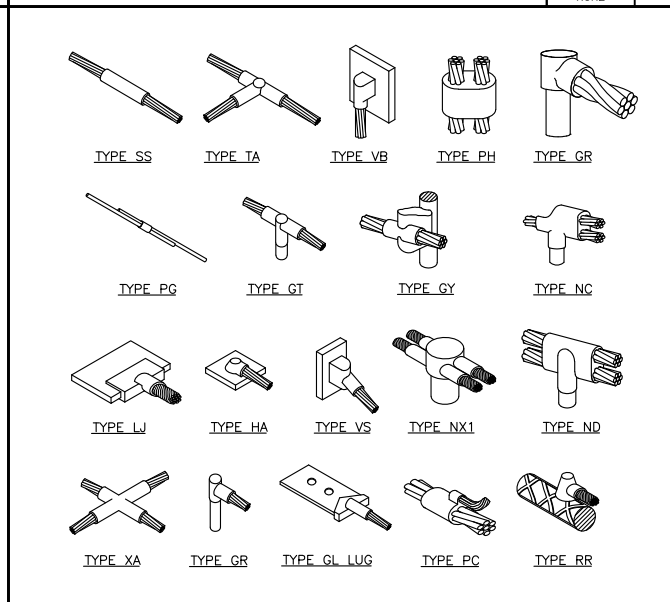
**GROUND TEST WELL DETAIL** SCALE NONE 2



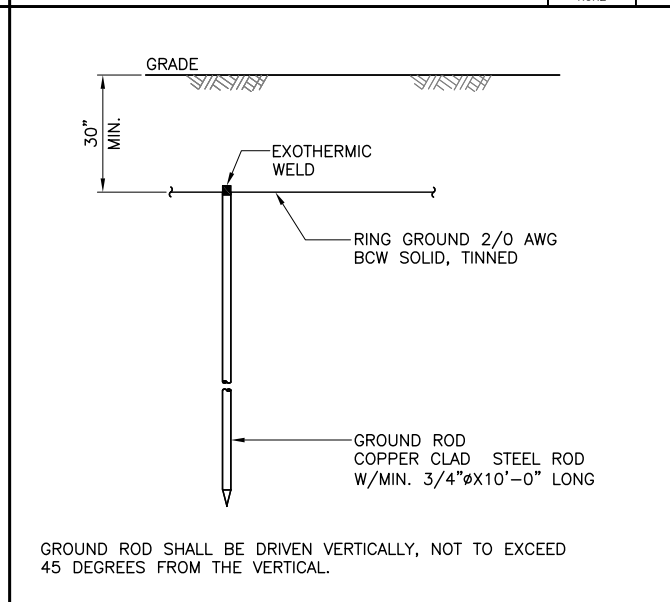
**NEW GPS ANTENNA GROUNDING TYP.** SCALE NONE 12



**GROUND RING TRENCH DETAIL** SCALE NONE 9



**EXOTHERMIC WELD CONNECTION** SCALE NONE 6



**GROUND ROD DETAIL** SCALE NONE 3

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 750 PARK OF COMMERCE DR. SUITE 200 | BOCA RATON, FL | 33487  
 561.948.6367

SITE ACQUISITION  
**AD ASSURANCE DEVELOPMENT**  
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 626.765.5079

ARCHITECT  
**DRAFTLINK**  
 27068 LA PAZ RD. | SUITE 561 ALISO VIEJO, CA | 92656  
 949.232.5045

2	CLIENT COMMENTS	JR	08/09/23
1	BOE COMMENTS	CV	07/11/23
0	ISSUED FOR CD	CV	03/22/23
A	ISSUED FOR REVIEW	CV	02/27/23
NO.	SUBMITTAL / REVISION	BY	DATE

DRAWN: CV  
 DESIGNED: CV  
 CHECKED: AAP

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**GROUNDING DETAILS**

DRAWING SCALE:  
 AS NOTED

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 02/27/23

**CD**

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