

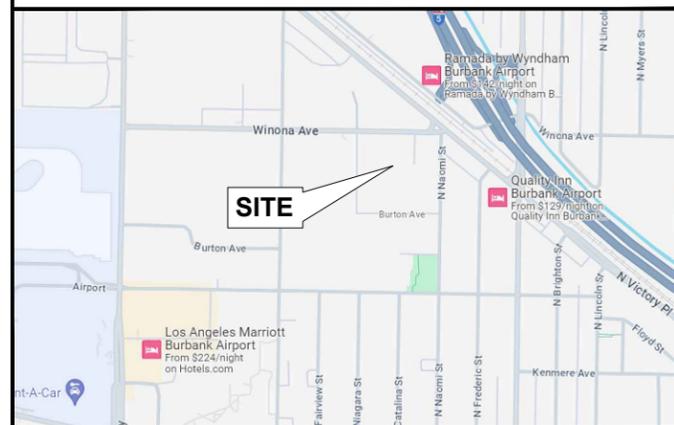


BRIGHTON MACRO

PROJECT ID: 17344152
2710 WINONA AVE.
BURBANK, CA 91504

OVERALL HEIGHT: ±65'-2"

VICINITY MAP



SITE

PROJECT TEAM

SITE ACQUISITION / ZONING

TRIAD GROUP
9010 112TH AVENUE NE
KIRKLAND, WA 98033
SITE ACQUISITION: PETE BABASHOFF
PHONE: (562) 686-3933
EMAIL: Pete.Babashoff@triadgroup.com

SITE ACQUISITION / ZONING

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KIRKLAND, WA 98033
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A&E

TRIAD GROUP
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KIRKLAND, WA 98033
CONTACT: MANNY FIGUEROA
TELEPHONE: (949) 394-9696
EMAIL: manny.figueroa@triadgroup.com

UTILITY COORDINATOR

TRIAD GROUP
9010 112TH AVENUE NE
KIRKLAND, WA 98033
CONTACT: JON STEWART
TELEPHONE: (972) 998-6224
EMAIL: jon.stewart@triadgroup.com

SURVEYOR

AJK ENGINEERING AND SURVEY
23072 LAKE CENTER DR., SUITE 211
LAKE FOREST, CA 92630

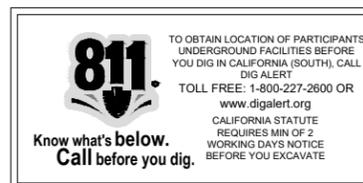
PROJECT DESCRIPTION

THIS PROJECT IS A VERIZON WIRELESS UNMANNED TELECOMMUNICATION WIRELESS FACILITY. IT WILL CONSIST OF THE FOLLOWING:

1. INSTALL (3) NEW FAUX BRICK FRP CONCEALMENT SCREENS @ EXISTING BUILDING ROOFTOP.
2. INSTALL (15) NEW ANTENNAS @ EXISTING BUILDING ROOFTOP. (5 PER SECTOR)
3. INSTALL (3) NEW RRUS @ EXISTING BUILDING ROOFTOP. (1 PER SECTOR)
4. INSTALL (3) NEW OVP BOXES @ EXISTING BUILDING ROOFTOP. (1 PER SECTOR)
5. INSTALL (3) NEW (6x12) HYBRIFLEX CABLES WITHIN NEW CABLE TRAY. (1 PER SECTOR)
6. INSTALL (1) NEW 4'-0" M/W DISH @ EXISTING BUILDING ROOFTOP.
7. INSTALL (1) NEW RAISED EQUIPMENT PLATFORM @ EXISTING BUILDING ROOFTOP.
8. INSTALL (1) NEW 27KW NATURAL GAS STAND-BY GENERATOR @ NEW EQUIPMENT PLATFORM.
9. INSTALL (3) NEW EQUIPMENT CABINETS @ NEW EQUIPMENT PLATFORM.
10. INSTALL (1) NEW GPS ANTENNA @ NEW EQUIPMENT PLATFORM.
11. INSTALL (1) NEW TELCO BOX @ NEW EQUIPMENT PLATFORM.
12. INSTALL (1) NEW 200A AC PANEL @ NEW EQUIPMENT PLATFORM.
13. INSTALL (1) NEW WATTNODE SUB-METER INSIDE NEW 200A AC PANEL @ NEW EQUIPMENT PLATFORM.
14. INSTALL (2) NEW DISCONNECT SWITCHES @ NEW EQUIPMENT PLATFORM.
15. INSTALL (1) NEW MAINTENANCE LIGHT @ NEW EQUIPMENT PLATFORM.
16. INSTALL (1) NEW STEP-DOWN TRANSFORMER @ NEW EQUIPMENT PLATFORM.
17. INSTALL NEW POWER, GAS, AND TELCO LINES.

RADIO FREQUENCY DESIGN SHEET

RFDS DATED: 20250717



PROJECT SUMMARY

APPLICANT/LESSEE

verizon
15505 SAND CANYON AVENUE
IRVINE, CA 92618
OFFICE: (949) 286-7000

ASSESSOR'S PARCEL NUMBER

A.P.N.: 2466-013-018

PROPERTY OWNER:

CONTRACT SERVICES ADMINISTRATION TRUST
CONTACT: BOB EGRINI
PH: (661) 857-2082
EMAIL: begrini@csatl.org
ADDRESS: 4271 CLAIREMONT MESA BLVD.
SAN DIEGO, CA 92117

PROPERTY INFORMATION:

SITE NAME: BRIGHTON
SITE ADDRESS: 2710 WINONA AVE.
BURBANK, CA 91504

JURISDICTION:

CITY OF BURBANK

CONSTRUCTION INFORMATION

OCCUPANCY: S-2, U
TYPE OF CONSTRUCTION: I-B
CURRENT ZONING: (M-2) MANUFACTURING GENERAL INDUSTRIAL
ADA COMPLIANCE: FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. MACHINERY SPACES ARE EXEMPT FROM ACCESSIBILITY REQUIREMENTS PER THE CBC SECTION 11B-203.5.

PROPOSED EQUIPMENT LEASE AREA TOTAL: ±290.0 SQ. FT.
PROPOSED ANTENNA LEASE AREA TOTAL: ±90.0 SQ. FT.

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR THE SAME.

CODE COMPLIANCE

- 2025 CALIFORNIA ADMINISTRATIVE CODE
- 2025 CALIFORNIA BUILDING CODE
- 2025 CALIFORNIA ELECTRICAL CODE
- 2025 CALIFORNIA MECHANICAL CODE
- 2025 CALIFORNIA PLUMBING CODE
- 2025 CALIFORNIA ENERGY CODE
- 2025 CALIFORNIA GREEN BUILDING STANDARDS CODE
- 2025 CALIFORNIA FIRE CODE

SHEET INDEX

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ISSUE STATUS

REV.	DATE	DESCRIPTION	BY
0	02/28/2025	90% CD REVIEW	AP
1	08/06/2025	90% CD REVIEW	AP
2	01/21/2026	WATTNODE UPDATE	AP

TRIAD Group

9010 112th Avenue NE
Kirkland, WA 98033

PROPRIETARY INFORMATION

THE INFORMATION CONTAINED IN THIS SET OF DRAWINGS IS PROPRIETARY & CONFIDENTIAL TO VERIZON WIRELESS

ANY USE OR DISCLOSURE OTHER THAN AS IT RELATES TO VZW WIRELESS IS STRICTLY PROHIBITED



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IRVINE, CA 92618

BRIGHTON
MACRO

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CONSTRUCTION DRAWINGS

SHEET TITLE:

TITLE SHEET

T-1

GENERAL NOTES

- THIS FACILITY IS AN (UNMANNED) CELLULAR TELEPHONE EQUIPMENT FACILITY. THE OCCUPANCY CLASSIFICATION IS PUBLIC UTILITY PER P.U.C. DECISION #6606-058.
- THIS FACILITY IS EXEMPT FROM HANDICAP REQUIREMENTS PER TITLE 24, SECTION 2-712. (B) 5. THIS FACILITY IS NON-OCCUPABLE SPACE AND ENTERED ONLY BY SERVICE PERSONNEL. THIS SPACE IS NOT FOR HUMAN OCCUPANCY.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO SUBMITTING HIS BID. ANY DISCREPANCIES, CONFLICTS OR OMISSIONS SHALL BE REPORTED TO THE ARCHITECT PRIOR TO SUBMITTING BIDS, AND PROCEEDING WITH ANY WORK.
- THE CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY ERRORS, OMISSIONS, OR DISCREPANCIES AS THEY MAY BE DISCOVERED IN THE PLANS, SPECIFICATIONS AND NOTES PRIOR TO STARTING CONSTRUCTION, INCLUDING DEMOLITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY ERRORS, OMISSIONS OR INCONSISTENCY AFTER THE START OF CONSTRUCTION WHICH HAS NOT BEEN BROUGHT TO THE ATTENTION OF THE ARCHITECT AND SHALL INSURE ANY EXPENSES TO RECTIFY THE SITUATION. THE METHOD OF CORRECTION SHALL BE APPROVED BY THE ARCHITECT.
- PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES, WHETHER OR NOT SHOWN ON THE PLANS AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR OR SUBCONTRACTOR SHALL BEAR THE EXPENSE OF REPAIRING OR REPLACING ANY DAMAGE CAUSED TO THE UTILITIES DURING THE EXECUTION OF THE WORK.
- PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL PROTECT ALL AREAS FROM DAMAGE WHICH MAY OCCUR DURING CONSTRUCTION. ANY DAMAGE TO NEW 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.
- A COPY OF THE APPROVED PLANS SHALL BE KEPT IN A PLACE SPECIFIED BY THE GOVERNING AGENCY AND BY LAW AND SHALL BE AVAILABLE FOR INSPECTION AT ALL TIMES. 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 AT THE CONCLUSION OF THE PROJECT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE SECURITY OF THE SITE WHILE THE WORK IS IN PROGRESS UNTIL THE JOB IS COMPLETE.
- THE CONTRACTOR IS RESPONSIBLE TO PROVIDE TEMPORARY POWER, WATER, TOILET FACILITIES AND PEDESTRIAN PROTECTION MEASURES AS REQUIRED BY THE PROPERTY OWNER OR GOVERNING AGENCY/CODES.
- ALL CONSTRUCTION THROUGH THE PROJECT SHALL CONFORM TO THE LATEST CALIFORNIA STATE BUILDING CODE AND ALL OTHER GOVERNING CODES, INCLUDING ALL PARTS OF THE CALIFORNIA CODES OF REGULATIONS. THE MOST RESTRICTIVE CODE WILL GOVERN.
- 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 (OSH) REQUIREMENTS.
- WHEN REQUIRED STORAGE OF MATERIALS OCCUR, 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.
- 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 AND SEQUENCING AND COORDINATING ALL PORTIONS OF THE WORK UNDER THE PROJECT.
- WORKMANSHIP THROUGHOUT SHALL BE OF THE BEST QUALITY OF THE TRADE INVOLVED, AND SHALL MEET OR EXCEED THE FOLLOWING MINIMUM REFERENCE STANDARDS FOR QUALITY AND PROFESSIONAL CONSTRUCTION PRACTICE:

NRCA	NATIONAL ROOFING CONTRACTORS ASSOCIATION O'HARE INTERNATIONAL CENTER 10255 W. HIGGINS ROAD, SUITE 600 ROSEMONT, IL 60018
SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION 4201 LAFFETTE PARK DRIVE CHANTILLY, VA 20151-1209
IILP	INTERNATIONAL INSTITUTE FOR LATH AND PLASTER 820 TRANSFER ROAD ST. PAUL, MN 55114-1406
- INSTALL ALL EQUIPMENT AND MATERIALS PER THE LATEST EDITION OF THE MANUFACTURER'S INSTALLATION SPECIFICATIONS UNLESS SPECIFICALLY NOTED TO THE CONTRARY, OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN AND PAY FOR ALL PERMITS, LICENSES AND INSPECTIONS WITH RESPECT TO THE WORK TO COMPLETE THE PROJECT. BUILDING PERMIT APPLICATIONS SHALL BE FILED BY **VERIZON** OR THEIR REPRESENTATIVE. CONTRACTOR SHALL OBTAIN THE PERMIT AND MAKE FINAL PAYMENT FOR SAID DOCUMENT.
- ALL DIMENSIONS TAKE PRECEDENCE OVER SCALE UNLESS OTHERWISE NOTED. DRAWINGS ARE NOT TO BE SCALED UNDER ANY CIRCUMSTANCES.
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BLOCKING, BACKING, FRAMING HANGERS OR SUPPORTS FOR INSTALLATION OF ITEMS INDICATED ON THE DRAWINGS.
- THE CONTRACTOR SHALL PROVIDE THE FIRE MARSHALL OR U.L. APPROVED MATERIALS TO FILL/SEAL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES WHERE APPLICABLE.
- NEW CONSTRUCTION ADDED TO EXISTING CONSTRUCTION SHALL BE MATCHED IN FORM, TEXTURE, MATERIAL AND PAINT COLOR EXCEPT AS NOTED IN THE PLANS.
- THE CONTRACTOR IS TO PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2A OR 2A10-BC WITHIN 75 FT. OF MAX. TRAVEL DISTANCE FOR EACH 6,000 OR PORTION THEREOF ON EACH FLOOR.
- WHERE SPECIFIED, MATERIAL TESTING SHALL BE TO THE LATEST STANDARDS AVAILABLE AS REQUIRED BY THE LOCAL GOVERNING AGENCY RESPONSIBLE FOR RECORDING THE RESULTS.
- ALL GENERAL NOTES AND STANDARD DETAILS ARE THE MINIMUM REQUIREMENTS TO BE USED IN CONDITIONS WHICH ARE NOT SPECIFICALLY SHOWN OTHERWISE.
- ALL DEBRIS AND REFUSE IS TO BE REMOVED FROM THE PROJECT. PREMISES SHALL BE LEFT IN A CLEAN BROOM FINISHED CONDITION AT ALL TIMES.
- BUILDING INSPECTORS AND/OR OTHER BUILDING OFFICIALS ARE TO BE NOTIFIED PRIOR TO ANY GRADING AND CONSTRUCTION EFFORT AS MANDATED BY THE GOVERNING AGENCY.
- ALL SYMBOLS AND ABBREVIATIONS ARE CONSIDERED CONSTRUCTION INDUSTRY STANDARDS. IF A CONTRACTOR HAS A QUESTION REGARDING THEIR EXACT MEANING, THE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION.
- ELECTRICAL POWER SYSTEM SHALL BE GROUNDED PER CEC ARTICLES 250 AND 810.
- THE CONTRACTOR SHALL DETERMINE THE LOCATION OF UTILITY SERVICES IN THE AREA TO BE EXCAVATED PRIOR TO BEGINNING EXCAVATION (IF REQUIRED); UNDERGROUND SERVICE ALERT (USA 1-800-422-4133)
- NO PIPES, DUCTS, SLEEVES, CHASES, ETC., SHALL BE PLACED IN SLABS, BEAMS OR WALLS UNLESS SPECIFICALLY SHOWN OR NOTED. NOR SHALL ANY STRUCTURAL MEMBER BE CUT FOR PIPES, DUCTS, ETC. UNLESS OTHERWISE NOTED. CONTRACTOR SHALL OBTAIN PRIOR APPROVAL FOR INSTALLATION OF ANY ADDITIONAL PIPES, DUCTS, ETC. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATIONS.
- SUBMITTALS:
 - MANUFACTURER'S DATA: FOR INFORMATION ONLY, SUBMIT COPIES OF MANUFACTURER'S SPECIFICATIONS AND INSTALLATION INSTRUCTIONS FOR EACH SYSTEM COMPONENT REQUIRED. INCLUDE REPORTS AND OTHER DATA AS MAY BE REQUIRED TO SHOW COMPLIANCE WITH THESE SPECIFICATIONS.
 - SHOP DRAWINGS: SUBMIT SHOP DRAWING DETAILS AND DATA OF SYSTEMS SPECIFIED FOR APPROVAL PRIOR TO ERECTION.
- CLEANING AND PROTECTION:
 - CLEAN EXPOSED SURFACES OF FINISHES AND EQUIPMENT AS REQUIRED. COMPLY WITH MANUFACTURER'S INSTRUCTIONS FOR CLEANING AND TOUCH-UP OF MINOR FINISH DAMAGE. REMOVE AND REPLACE WORK WHICH CANNOT BE SUCCESSFULLY CLEANED AND REPAIRED TO PERMANENTLY ELIMINATE EVIDENCE OF DAMAGE.
 - THE INSTALLER SHALL ADVISE THE CONTRACTOR OF REQUIRED PROTECTION FOR ANY FINISHES, INCLUDING TEMPERATURE AND HUMIDITY LIMITATIONS AND DUST CONTROL, SO THAT THE WORK WILL BE WITHOUT DAMAGE AND DETERIORATION AT THE TIME OF ACCEPTANCE BY THE OWNER.

SITE WORK SPECIFICATIONS

- ### DEMOLITION
- WORK INCLUDED:
 - DEMOLITION AND REMOVAL OF EXISTING CONSTRUCTION AS NECESSARY TO PREPARE FOR NEW CONSTRUCTION.
 - CLEANUP AND DISPOSAL OF RUBBISH, DEBRIS AND SALVAGE.
 - PROTECTION AND BARRICADES TO PROTECT PERSONNEL AND PREMISES.
 - DUST ABATEMENT.
 - GENERAL REQUIREMENTS:
 - IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO ESTABLISH EXTENT OF WORK UNDER THIS SECTION IN ACCORDANCE WITH PERTINENT PROVISIONS OF THE GENERAL CONDITIONS.
 - THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (USA 1-800-422-4133) 48 HOURS PRIOR TO ANY EXCAVATION.
 - FIELD CONDITIONS:
 - VERIFY DRAWING DIMENSIONS WITH ACTUAL FIELD CONDITIONS. INSPECT RELATED WORK AND ADJACENT SURFACES AND REPORT TO ARCHITECT ALL CONDITIONS WHICH PREVENT PROPER EXECUTION OF THIS WORK.
 - VERIFY SITE INFORMATION, INCLUDING PROPERTY LINES, EASEMENTS, BUILDINGS, ROADWAY CURB AND GUTTERS, UTILITIES AND OTHER INFORMATION AFFECTING THE SCOPE OF WORK INCLUDED ON THESE DRAWINGS. UTILITY INFORMATION INCLUDES STORM DRAIN, SEWER, WATER, ELECTRICAL, GAS, TELEPHONE AND CABLE TV. IF ACTUAL SITE CONDITIONS VARY FROM WHAT IS SHOWN ON THE PLANS, THE CONTRACTOR SHALL CONTACT THE OWNER OR ARCHITECT FOR DIRECTION ON HOW TO PROCEED.
 - CODES AND STANDARDS: CONFORM TO THE CURRENT CALIFORNIA BUILDING CODES, AND ANY OTHER REFERRED TO CODES AND STANDARDS. IN CASE OF CONFLICT BETWEEN THE ABOVE AND THIS SECTION, THE MORE STRINGENT SHALL GOVERN. COMPLY WITH STATE OF CALIFORNIA, CONSTRUCTION SAFETY ORDERS, LATEST REGISTER (CAL/OSHA).
 - PROVIDE PEDESTRIAN SAFETY BARRIERS AS REQUIRED TO PROTECT THE PUBLIC AT ALL TIMES, I.E., CONES AND SAFETY TAPE FOR AREAS UNDER CONSTRUCTION TO ISOLATE FROM PEDESTRIAN ACCESS. KEEP ALL AREAS OF WORK CLEAN, NEAT AND ORDERLY ON A DAILY BASIS.
 - UTILITIES:
 - EXCAVATION IN THE VICINITY OF UTILITIES SHALL BE UNDERTAKEN WITH CARE. ACTIVE UTILITIES SHALL BE PROTECTED BY AND AT EXPENSE OF THE CONTRACTOR. KEEP ANY REQUIRED UTILITY IN OPERATING CONDITION DURING ENTIRE PERIOD OF WORK. ANY DAMAGE TO UTILITIES WHICH ARE TO REMAIN CAUSED BY ANY PERSON, VEHICLE, EQUIPMENT, OR TOOL RELATED TO THE EXECUTION OF THE CONTRACT SHALL BE REPAIRED IMMEDIATELY AT NO EXPENSE TO THE OWNER.
 - DUST AND NOISE ABATEMENT:
 - EXERCISE ALL POSSIBLE PRECAUTIONS TO KEEP NOISE TO A MINIMUM AND TO KEEP DUST FROM CIRCULATING AND CONTAMINATING ADJACENT BUILDING OPERATIONS AND AREAS.
 - PROTECTION AND SAFETY:
 - CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXISTING IMPROVEMENTS, INCLUDING FINISH (EXTERIOR AND INTERIOR) WITH OR WITHOUT WORKING AREA. REPAIR OR REPLACE EXISTING IMPROVEMENTS DAMAGED DURING WORK WITH MATERIAL OF SAME KIND, QUALITY AND SIZE. MATERIAL OR EQUIPMENT TEMPORARILY REMOVED FOR PROTECTION AND NOT DAMAGED SHALL BE REINSTALLED.
 - SEQUENCE OF WORK:
 - GENERAL INTENT: THE DRAWINGS AND THESE SPECIFICATIONS INDICATE IN GENERAL TERMS THE REQUIREMENTS OF THE WORK TO BE DONE AND THE MANNER IN WHICH THE WORK IS TO BE DONE. THE CONTRACTOR, HOWEVER, MAY ORGANIZE HIS WORK AND DETERMINE THE SPECIFIC METHODS OF PROCEDURE HE FEELS ARE SUITABLE AND CORRECT FOR THE WORK TO BE DONE, CONSISTENT WITH THE RESULTS REQUIRED AND THE SAFETY OF THE STRUCTURE AND ALL AFFECTED PREMISES AND PERSONS. HE SHALL, HOWEVER, BEFORE COMMENCING WITH ANY SIGNIFICANT PARTS OF THE WORK, MEET WITH THE **VERIZON** PROJECT MANAGER AND SHALL INFORM THEM OF HIS METHODS, PROCEDURES AND SEQUENCE OF WORK AND HE SHALL COMPLY WITH ANY REASONABLE SUGGESTIONS THEY MAY MAKE IN THE INTEREST OF **VERIZON** OR THE SAFETY OF THE STRUCTURE.
 - DEMOLITION:
 - CONCRETE CUTTING & ASPHALT: CONCRETE & ASPHALT CONSTRUCTION INDICATED TO BE CUT, BROKEN AND REMOVED SHALL BE NEATLY CUT USING CONCRETE CUTTING SAWS WITH DIAMOND OR ABRASIVE BLADES, DETERMINE EXTENT OF CUT AND DRILL PILOT HOLES IN CORNERS SUFFICIENTLY LARGE ENOUGH TO PREVENT OVERRUN OF SAW BLADE. SAWCUTS SHALL BE MADE STRAIGHT, EVEN AND DEEP ENOUGH INTO ELEMENT BEING CUT TO ASSURE THAT SUBSEQUENT BREAKING AND REMOVING OF REMAINING SECTION WILL NOT RESULT IN CRACKING, SPALLING OR CHIPPING OF ANY EXPOSED SURFACE OR EDGE. CUT REINFORCING STEEL TO BE REMOVED WITH GAS CUTTING TORCHES, TAKING CARE NOT TO DAMAGE ADJACENT CONSTRUCTIONS.
- ### SITE CLEARING / EARTHWORK
- WORK INCLUDED:
 - PROTECTION OF EXISTING EARTH BANKS AND SLOPES, INCLUDING TEMPORARY SHORING.
 - CONTROL OF SURFACE AND GROUND WATER.
 - EXCAVATION FOR ALL FOOTINGS, SLABS, AND OTHER BUILDING AND/OR STRUCTURAL ELEMENTS.
 - SAND BACKFILL AND COMPACTION OF SAME.
 - SUBGRADE PREPARATION FOR ON-GRADE CONCRETE.
 - REQUIREMENTS FOR TRENCHING OPERATIONS.
 - CLEAN UP AND DISPOSAL.
 - SITE CLEARING
 - RELATED WORK:
 - TESTING AND INSPECTION OF WORK OF THIS SECTION
 - QUALITY ASSURANCE:
 - CODES
 - UNIFORM BUILDING CODE LATEST EDITION.
 - STATE OF CALIFORNIA CONSTRUCTION SAFETY ORDERS (CAL/OSHA) LATEST REGISTER.
 - STANDARDS
 - AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM). SPECIFICATIONS AS INDICATED BY NUMBER HEREIN.
 - TESTS AND INSPECTIONS
 - COMPACTION METHOD SHALL CONFORM TO ASTM D1557-70 SPECIFIED DENSITIES RELATE TO MAXIMUM DRY DENSITIES OBTAINED THEREBY.
 - SOILS TESTING AGENCY SHALL BE NOTIFIED BY CONTRACTOR PRIOR TO COMMENCEMENT OF EARTHWORK AND SHALL PERFORM AND REPORT THE FOLLOWING PROCEDURES:
 - VISUALLY APPROVE BACKFILL MATERIAL; PERFORM SUITABILITY TESTS IF REQUIRED.
 - SUPERVISE PLACEMENT OF CONTROLLED BACKFILLS, PERFORM FIELD DENSITY TESTS AS REQUIRED
 - INSPECT AND APPROVE COMPLETED AND PREPARED EXAMINATIONS.
 - SITE VISITATION:
 - IN PREPARING HIS PROPOSAL, THE CONTRACTOR IS ASSUMED TO HAVE VISITED THE SITE, CAREFULLY EXAMINED THE DRAWINGS AND SPECIFICATIONS AND DETERMINED TO HIS SATISFACTION THE METHODS OF REMOVAL AND STORAGE OF MATERIALS, THE SEQUENCING OF HIS OPERATIONS AND THE PROBLEMS ATTENDANT THERETO. NO ALLOWANCE WILL BE MADE SUBSEQUENTLY TO THE CONTRACTOR FOR ANY ERROR THROUGH NEGLIGENCE IN OBSERVING THE SITE CONDITIONS.
 - JOB CONDITIONS:
 - PROTECTION: MAINTAIN PROTECTION TO RETAIN EARTH AND TO PROTECT ADJOINING GRADES AND STRUCTURES FROM CAVING, SLIDING, EROSION OR OTHER DAMAGE PROVIDING SUITABLE PROTECTION AGAINST BODILY INJURY, COMPLY WITH ALL LOCAL CODES AND REGULATIONS. ERECT TEMPORARY BARRICADES AS NEEDED FOR SAFETY AND CONSTRUCT TEMPORARY BERMS, DAMS AND DITCHES AS NEEDED TO PREVENT SLOPE AND BANK EROSION. DO NOT ALLOW EXPOSED SOIL TO DRY OUT AND SPRINKLE AS DIRECTED OR REQUIRED.
 - DEWATERING: KEEP THE WHOLE OF THE EXCAVATIONS CONTINUOUSLY FREE FROM WATER AND FLUIDS OF ANY KIND.

SITE WORK SPECIFICATIONS (CONT'D)

- UNDERGROUND PIPES, CONDUITS AND UTILITIES
 - THE CONTRACTOR SHALL NOTIFY **VERIZON** PROJECT MANAGER AT LEAST 72 HOURS PRIOR TO COMMENCING ANY EARTHWORK. THE CONTRACTOR SHALL NOTIFY A UTILITY LOCATING SERVICE. NO EARTHWORK SHALL BE PERFORMED UNTIL A LOCATING SERVICE IS PRESENT AT THE SITE AND WORK IS AUTHORIZED.
 - OBSERVE APPLICABLE REGULATIONS IN WORK AFFECTING ALL OTHER UNDERGROUND UTILITIES. PROTECT ACTIVE UTILITIES FROM DAMAGE AND REMOVE OR RELOCATE ONLY AS INDICATED OR SPECIFIED. REMOVE AND PLUG OR CAP INACTIVE OR ABANDONED UTILITIES ENCOUNTERED IN EXCAVATING OR GRADING. IN ABSENCE OF SPECIFIC REQUIREMENTS, PLUG OR CAP AT LEAST 5 FEET OUTSIDE BUILDING WALLS.
 - EXCAVATION OR TRENCHING FOR NEW PIPE, CONDUIT OR UTILITY LINES WITHIN FIVE FEET OF BUILDING LINES AND UNDER EXTERIOR WALKS, SLABS, DRIVES OR PAVEMENT IS SUBJECT TO PROVISIONS OF THIS SPECIFICATION WITH RESPECT TO PROTECTION FROM MOISTURE, BACKFILLING AND GRADING.
 - LINES CONTAINING LIQUID: CHECK FOR LEAKS AND CERTIFY CONDITION TO OWNER. RUN SUCH LINES AT LEAST 5 FEET OUTSIDE BUILDING LINES WHEREVER POSSIBLE.
- MATERIALS:
 - BACKFILL MATERIAL: ONLY MATERIALS APPROVED BY THE GEO-TECHNICAL ENGINEER SHALL BE USED FOR ALL BACKFILLING OPERATIONS. BACKFILL MATERIALS SHALL CONSIST OF GRAVEL, SAND AND APPROVED BLENDS OF SAND AND NATURAL MATERIALS.
- EXCAVATION:
 - EXCAVATE FOR FOOTINGS AND OTHER REQUIREMENTS TO DEPTHS INDICATED ON THE DRAWINGS. ELEVATIONS AND DEPTHS OF EXCAVATIONS SHOWN ON THE DRAWINGS SHALL GOVERN AND WILL BE BASIS FOR BIDDING AND EXECUTION OF THE WORK EXCEPT AS OTHERWISE MAY BE DIRECTED BY THE ARCHITECT. GREATER OR LESS QUANTITIES OF EXCAVATION REQUIRED BY AUTHORIZED INSTRUCTIONS SHALL BE ADJUSTED IN ACCORDANCE WITH GENERAL CONDITIONS.
 - EXCEPT WHERE EXTRA EXCAVATION IS ORDERED BY THE ARCHITECT, SHOULD EXCAVATIONS BE MADE TO A GREATER DEPTH OR SIZE THAN INDICATED OR REQUIRED, SUCH ADDITIONAL DEPTH OR SIZE SHALL BE FILLED WITH CONCRETE AS SPECIFIED UNDER "STRUCTURAL CONCRETE SPECIFICATIONS" AT THE CONTRACTOR'S EXPENSE.
 - ALL EXCAVATIONS SHALL BE SUFFICIENT SIZE TO PERMIT INSTALLATION AND REMOVAL OF ANY REQUIRED FORMS AND ALL OTHER REQUIRED WORK.
 - SIDES OF FOOTINGS MAY BE FORMED BY NEAT EXCAVATIONS WHERE BANKS WILL STAND WITHOUT CAVING AND THE NEAT TRENCHES ARE CUT 1" WIDER ON EACH SIDE THAN THE FOOTING DIMENSIONS INDICATED ON THE DRAWINGS. IF BANKS CAVE, FORM FOOTINGS AND WIDEN TRENCHES TO PERMIT FORMING, BRACING AND INSPECTION, MINIMUM 1"-0" EACH SIDE.
 - CONTACT THE ARCHITECT FOR INSTRUCTION SHOULD ANY UNSUITABLE SOIL OR ANY OTHER ADVERSE SUBSURFACE CONDITION BE ENCOUNTERED.
 - MACHINE EXCAVATION MAY BE USED DOWN TO ROUGH ELEVATIONS. PERFORM FINAL GRADING AND TRIMMING BY HAND METHODS.
 - TRENCHES: EXCAVATE TRENCHES TO WIDTHS REQUIRED FOR PROPER LAYING OF PIPE WITH BANKS AS NEARLY VERTICAL AS PRACTICAL. BRING BOTTOMS OF TRENCHES TO REQUIRED DEPTHS AND ACCURATELY GRADE TO PROVIDE UNIFORM BEARING ON UNDISTURBED SOIL FOR ENTIRE LENGTH OF EACH SECTION OF PIPE.
- BACKFILLING:
 - AFTER CONCRETE HAS BEEN PLACED AND ALL WORK APPROVED, THE EXCAVATIONS SHALL BE BACKFILLED WITH APPROVED BACKFILL MATERIAL TO INDICATED OR REQUIRED GRADES. ALL RUBBISH AND WOOD SHALL BE REMOVED FROM THE EXCAVATIONS BEFORE PLACING BACKFILL.
 - PLACE BACKFILL IN 6-INCH LOOSE LAYERS, BRING TO OPTIMUM MOISTURE CONTENT AND COMPACT TO 90% OF MAXIMUM DENSITY, SLOPING DOWN AND AWAY FROM BUILDING.
 - THE AMOUNT OF WATER USED SHALL BE RIGIDLY CONTROLLED TO INSURE OPTIMUM MOISTURE CONDITIONS FOR THE TYPE OF FINAL MATERIAL USED. EXCESSIVE AMOUNTS OF WATER CAUSING SATURATION OF EARTH WILL NOT BE PERMITTED. COMPACTION BY FLOODING OR JETTING IS PROHIBITED.
- SUBGRADE PREPARATION FOR CEMENT:
 - PREPARE SUBGRADE FOR CONCRETE CASE ON EACH BY CUTTING, FILLING AND COMPACTING AS REQUIRED AND SPECIFIED HEREIN AND BRING TO OPTIMUM MOISTURE CONTENT. FINISH SUBGRADE WITHIN A 3/8" TOLERANCE WHEN TESTED WITH A 10 FT. STRAIGHTEDGE IN ANY DIRECTION AND LOCATION. COMPACT TO THE DENSITY SPECIFIED FOR FILL AND MAINTAIN CONTENT UNTIL CONCRETE IS PLACED.
- DISPOSAL AND CLEAN UP
 - BURNING COMBUSTIBLE RUBBISH ON SITE IS PROHIBITED.
 - RUBBISH, DEBRIS AND ROCKS SHALL BE HAULED AWAY FROM THE SITE PROMPTLY AND LEGALLY DISPOSED OF.
 - EXCESS EARTH RESULTING FROM CUTTING AND EXCAVATION SHALL BE LEGALLY DISPOSED OF OFF THE SITE.
 - DUST AND NOISE ABATEMENT: DURING ENTIRE PERIOD OF CONSTRUCTION AND DURING LOADING, KEEP AREA AND MATERIAL BEING LOADED SPRINKLED TO REDUCE DUST IN AIR AND ANNOYANCE TO PREMISES AND NEIGHBORHOOD. EXERCISE ALL RESPONSIBLE MEANS TO ABATE UNDUKE NOISE.
 - CLEAN UP SITE, REMOVE ALL DEBRIS AND LEAVE PREMISES IN CLEAN AND ORDERLY CONDITION.

SEALANT SPECIFICATIONS

- WORK INCLUDED:
 - THIS SPECIFICATION IS INTENDED TO BE GENERAL IN ITS SCOPE AS TO WHERE CAULKING OR SEALANT IS TO BE INSTALLED. THE CONTRACTOR SHALL CHECK ALL DRAWINGS AND DETAILS AND THOROUGHLY FAMILIARIZE HIMSELF WITH THE EXTENT OF THE CAULKING OR SEALING INVOLVED. ONLY A COMPLETE AND ABSOLUTELY WATERTIGHT JOB WILL BE ACCEPTED.
- GUARANTEE:
 - PROVIDE GUARANTEE, IN FORM REQUIRED BY GENERAL CONDITIONS, FOR PERIOD OF TWO (2) YEARS.
 - DEFECTIVE WORK WILL BE JUDGED A FAILURE DUE TO LEAKAGE, HARDENING, CRACKING, CRUMBLING, MELTING, SHRINKAGE OR RUNNING OF CAULKING COMPOUND OR SEALANT OR STAINING OF ANY ADJACENT WORK.
- SEALANT:
 - ONE PART, ELASTOMERIC-TYPE COMPOUND CONFORMING TO ESTI-S-00230C, TYPE II CLASS A. THE COMPOUND SHALL BE SUPPLIED IN A READY TO USE FORM WHICH REQUIRES NO ON THE JOB MIXING. USE FOR ALL EXTERIOR WORK EXCEPT AREAS SUBJECT TO FOOT TRAFFIC.
 - NON-TRACKING SEALANT FOR AREAS SUBJECT TO FOOT TRAFFIC (INTERIOR OR EXTERIOR), TWO COMPONENT POLYURETHANE SEALANT, AS MANUFACTURED BY NEMCO INTERNATIONAL (VULKEM 245); SONNEBORN AND SONS (SONOCLASTIC, PAVING JOINT SEALANT); W.R. GRACE CO. (DARSEAL - U TRAFFIC GRADE); OR EQUAL.

FINISH SPECIFICATIONS

- MATERIALS:
 - USE FACTORY-MIXED PAINTS, ENAMELS, STAINS, VARNISH, LACQUER, FILLER, THINNER, AND ALL SIMILAR "PAINT" PRODUCTS. LABEL FOR TYPE, COLOR AND MANUFACTURER. DELIVER IN ORIGINAL FACTORY CONTAINERS. USE PRODUCTS FOLLOWING AS LISTED IN "PAINTING SCHEDULE".
 - AMERTONE PAINT CORP.
 - DUNN-EDWARDS CORP.
 - IRVING INDUSTRIES
 - SINCLAIR PAINT COMPANY
 - PAINT THINNER: EXACT TYPE RECOMMENDED BY MANUFACTURER OF MATERIAL TO BE THINNED.
 - PAINT FINISH SCHEDULE
- IN ORDER TO ESTABLISH THE STANDARDS OF DURABILITY AND APPEARANCE REQUIRED OF THE PAINTER'S FINISHES, THE COATINGS ITEMIZED IN THE PAINT FINISH SCHEDULE HAVE BEEN SELECTED FROM THE CURRENT CATALOGS OF THE DUNN-EDWARDS PAINT COMPANY.
- PAINTING SCHEDULE:
 - EXTERIOR METAL (FERROUS - SHOP PRIMED)
 - FIRST COAT BLOC-RUST (43-4)
 - SECOND COAT COMPO (42-1)
 - THIRD COAT SYN-LUSTRO (10)*SHOP PRIMED STEEL NEEDS TO BE COMPLETELY REPRIMED BEFORE APPLYING TOPCOATS.
 - EXTERIOR METAL (FERROUS - GALVANIZED)
 - PRE-TREATMENT GALVA-ETCH (GE 123)
 - FIRST COAT GALV-ALUM (00 43-7)
 - SECOND COAT COMPO (42-1)
 - THIRD COAT SYN-LUSTRO (9)
 - INTERIOR METAL (FERROUS - SHOP PRIMED)
 - FIRST COAT CORROBAR (43-5)
 - SECOND COAT SLIPPER U-365 (E22-1)
 - THIRD COAT SYN-LUSTRO (9)

GENERAL REQUIREMENTS

- THE FOLLOWING STANDARD **VERIZON** SPECIAL REQUIREMENTS SHALL BE A PART OF THIS SPECIFICATIONS, BUT NOT INCLUDED IN THE CONSTRUCTION DRAWINGS:
- INSTRUCTIONS TO BIDDERS
 - INVITATION FOR BIDS
 - BID FORM
 - LIST OF SUBCONTRACTORS
 - APPLICATION FOR PAYMENT
 - CHANGE ORDERS
 - SCHEDULE OF VALUES
 - LIEN WAIVER
 - GENERAL CONDITIONS
 - SUPPLEMENTAL GENERAL CONDITIONS
 - SPECIAL CONDITIONS

ISSUE STATUS

REV.	DATE	DESCRIPTION	BY
0	02/28/2025	90% CD REVIEW	AP
1	08/06/2025	90% CD REVIEW	AP
2	01/21/2026	WATTNODE UPDATE	AP

TRIAD Group

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15505 SAND CANYON AVENUE
IRVINE, CA 92618

**BRIGHTON
MACRO**

PROJECT ID: 17344152
2710 WINONA AVE.
BURBANK, CA 91504

CONSTRUCTION DRAWINGS

SHEET TITLE:

GENERAL NOTES

T-2



VICINITY MAP

APN

2466-013-018, LOS ANGELES COUNTY, CALIFORNIA

RECORD OWNER

CONTRACT SERVICES ADMINISTRATION TRUST FUND AS TO AN UNDIVIDED 50% INTEREST AND CONTRACT SERVICES ADMINISTRATION TRAINING TRUST FUND AS TO AN UNDIVIDED 50% INTEREST, AS TENANTS IN COMMON

TITLE REPORT

TITLE REPORT WAS PREPARED BY COMMONWEALTH LAND TITLE INSURANCE COMPANY WITH ORDER NO. 92025223-920-CMM-CM8 DATED APRIL 24, 2024.

BASIS OF ELEVATIONS: (NAVD 1988)

SITE ELEVATIONS ARE ESTABLISHED FROM THE GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS "GEOID 12B" 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 "X" AS PER F.I.R.M. MAP NO. 06037C1329F EFFECTIVE DATE 09/26/2008.

LEGAL DESCRIPTION

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE CITY OF BURBANK, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

PARCEL 3 OF PARCEL MAP NO. 8318, IN THE CITY OF BURBANK, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 84, PAGE 5 OF PARCEL MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

APN: 2466-013-018

SCHEDULE B

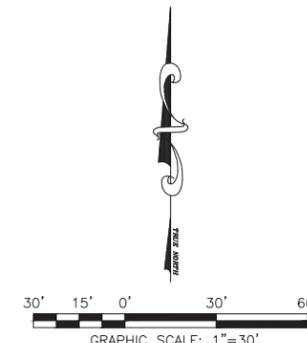
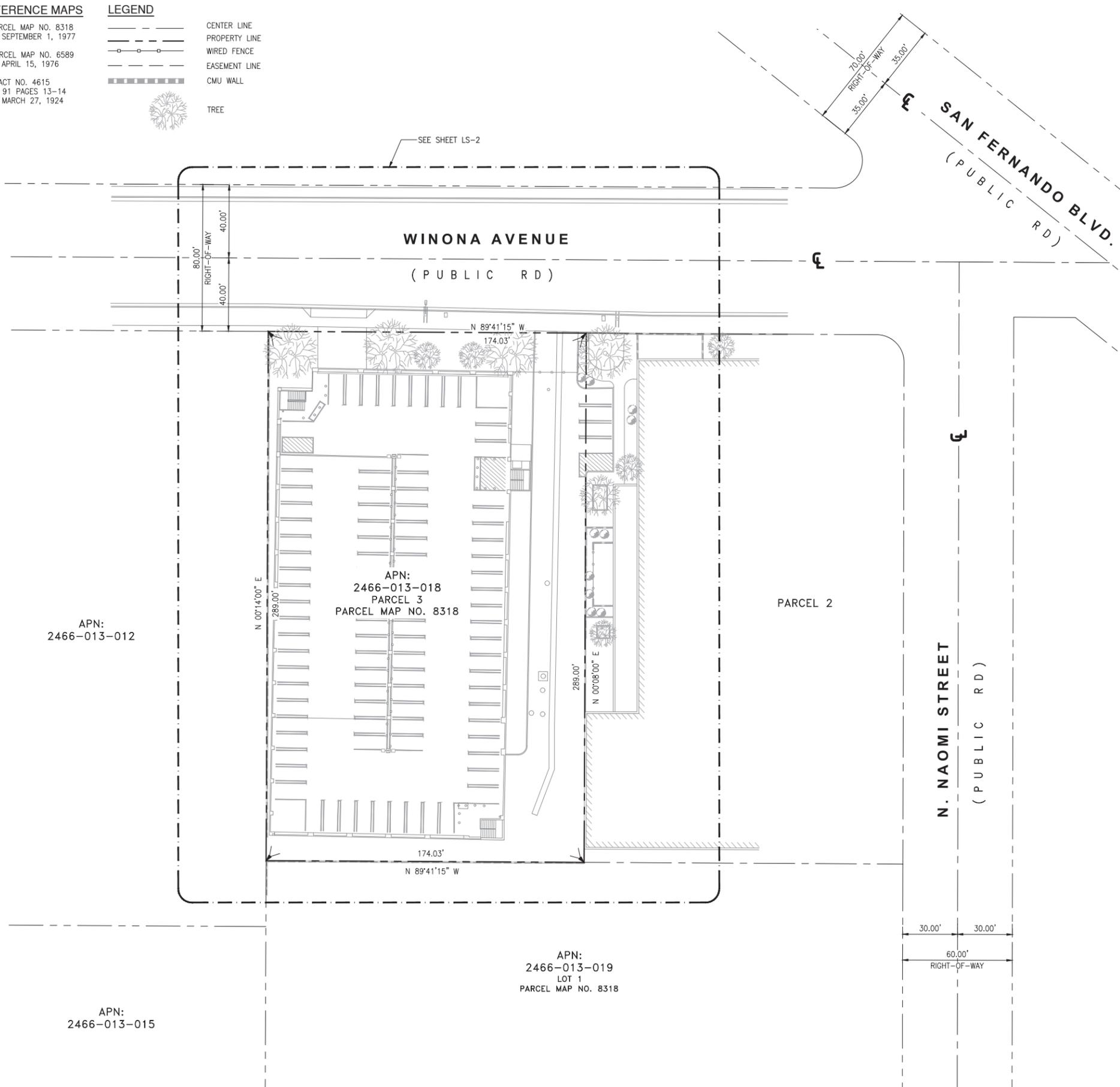
- ITEMS A-D ARE TAX/LIEN RELATED
- ITEM 1 IS WATER RIGHTS RELATED
- ITEMS 2-3 ARE REDEVELOPMENT PROJECT RELATED
- ITEM 4 IS AGREEMENT RELATED
- ITEM 5 IS CERTIFICATE OF COMPLETION RELATED
- ITEMS 6-8 ARE DEED RELATED
- ITEM 9 IS NOTICE RELATED
- ITEM 10 IS A DISCLAIMER

REFERENCE MAPS

1. PARCEL MAP NO. 8318
FILED SEPTEMBER 1, 1977
2. PARCEL MAP NO. 6589
FILED APRIL 15, 1976
3. TRACT NO. 4615
BOOK 91 PAGES 13-14
FILED MARCH 27, 1924

LEGEND

- CENTER LINE
- PROPERTY LINE
- WIRED FENCE
- EASEMENT LINE
- CMU WALL
- TREE



ISSUE STATUS

REV.	DATE	DESCRIPTION	BY
0	05/22/24	PRELIMINARY SURVEY	LA
1	05/30/24	FINAL SURVEY	LA
2	06/06/24	ADDED COORDINATES	LA



24 RECODO,
IRVINE, CA 92620
714.624.9027

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BRIGHTON

PROJECT ID: 17344152

2710 WINONA AVE.,
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SHEET TITLE:
BOUNDARY
DETAILS

LS-1

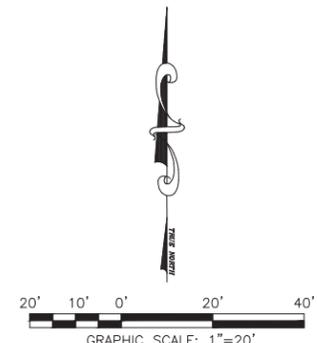
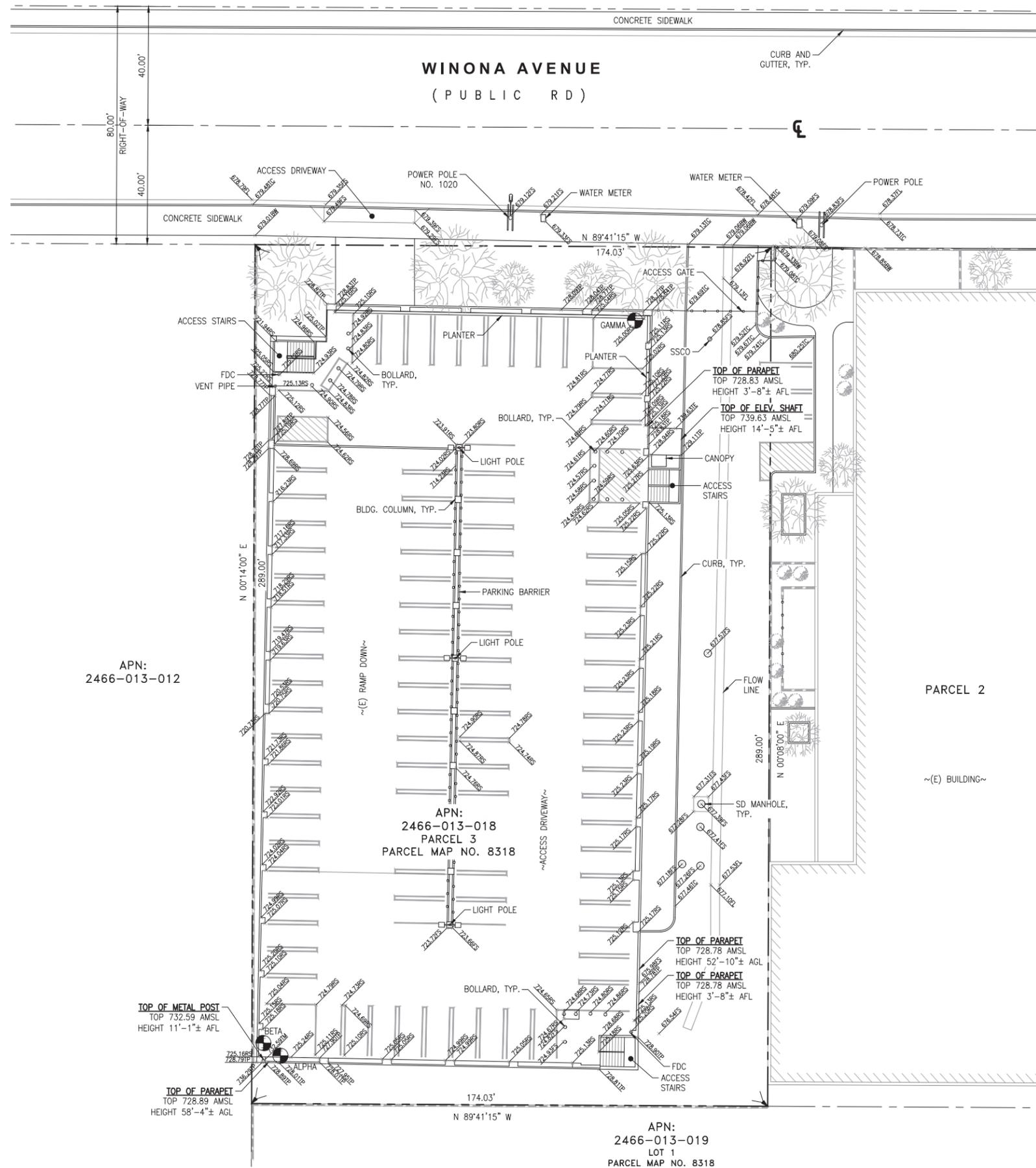
- NOTES:**
- THIS IS NOT A BOUNDARY SURVEY. THIS IS A SPECIALIZED TOPOGRAPHIC MAP. THE PROPERTY LINES AND EASEMENTS SHOWN HEREON ARE FROM RECORD INFORMATION AS NOTED HEREON. AJK ENGINEERING AND SURVEY TRANSLATED THE TOPOGRAPHIC SURVEY TO RECORD INFORMATION USING FOUND MONUMENTS SHOWN HEREON.
 - THE HEIGHTS 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.
 - FIELD SURVEY COMPLETED ON MAY 21, 2024.

LEGEND

- CENTER LINE
- PROPERTY LINE
- WROUGHT IRON FENCE
- EASEMENT LINE
- CMU WALL
- EG EXISTING GRADE
- FS FINISH SURFACE
- TC TOP OF CURB
- FL FLOW LINE
- BW BACK OF WALK
- RS ROOF SURFACE
- TM TOP OF METAL POST
- HT HEIGHT
- TP TOP OF PARAPET
- TE TOP OF ELEVATOR SHAFT
- AFL ABOVE FLOOR LEVEL
- AGL ABOVE GRADE LEVEL
- TREE
- BUSHES

COORDINATES

- ALPHA
LATITUDE: 34°11'54.12" N (34.198367)
LONGITUDE: 118°20'28.61" W (-118.341281)
- BETA
LATITUDE: 34°11'54.16" N (34.198378)
LONGITUDE: 118°20'28.68" W (-118.3413)
- GAMMA
LATITUDE: 34°11'56.57" N (34.199047)
LONGITUDE: 118°20'27.20" W (-118.340889)



ISSUE STATUS

REV.	DATE	DESCRIPTION	BY
0	05/22/24	PRELIMINARY SURVEY	LA
1	05/30/24	FINAL SURVEY	LA
2	06/06/24	ADDED COORDINATES	LA



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714.624.9027

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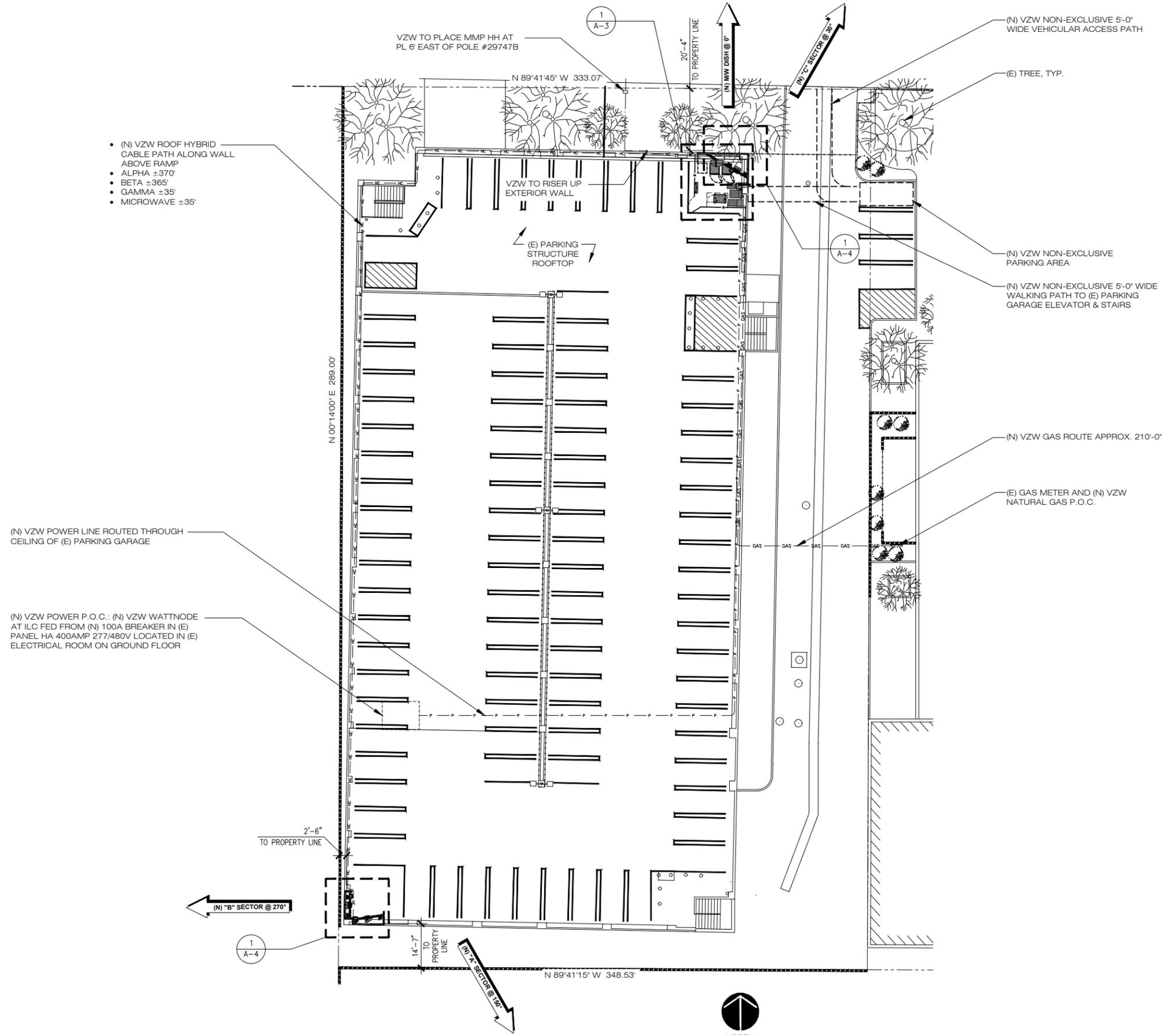
BRIGHTON

PROJECT ID: 17344152

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BURBANK, CA 91504

SHEET TITLE:
TOPOGRAPHIC SURVEY

LS-2



1 A-2 ENLARGED SITE PLAN

24"x36" SCALE: 1/16" = 1'-0"

11"x17" SCALE: 1/32" = 1'-0"

16' 12' 8' 4' 0" 16'

ISSUE STATUS

REV.	DATE	DESCRIPTION	BY
0	02/28/2025	90% CD REVIEW	AP
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2	01/21/2026	WATTNODE UPDATE	AF

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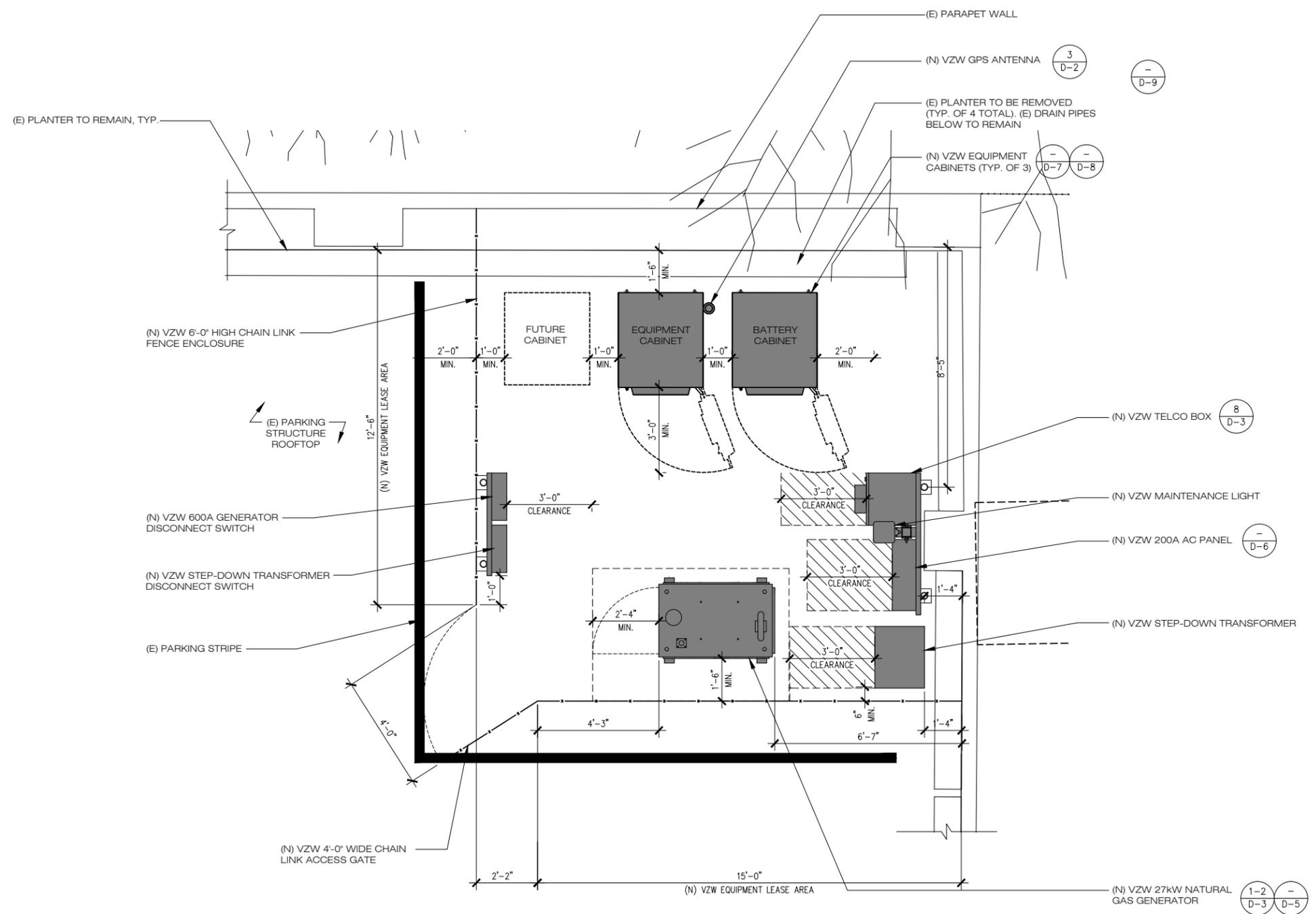
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CONSTRUCTION DRAWINGS

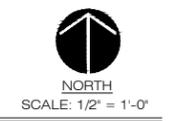
SHEET TITLE:
ENLARGED SITE PLAN

A-2

NOTES:
 1. (N) VZW ANTENNAS & APPURTENANCES NOT SHOWN FOR CLARITY.



1
A-3
EQUIPMENT PLAN
 24"x36" SCALE: 1/2" = 1'-0"
 11"x17" SCALE: 1/4" = 1'-0"
 2' 1' 0" 2'



ISSUE STATUS			
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CONSTRUCTION DRAWINGS

SHEET TITLE:
EQUIPMENT PLAN

A-3

ISSUE STATUS

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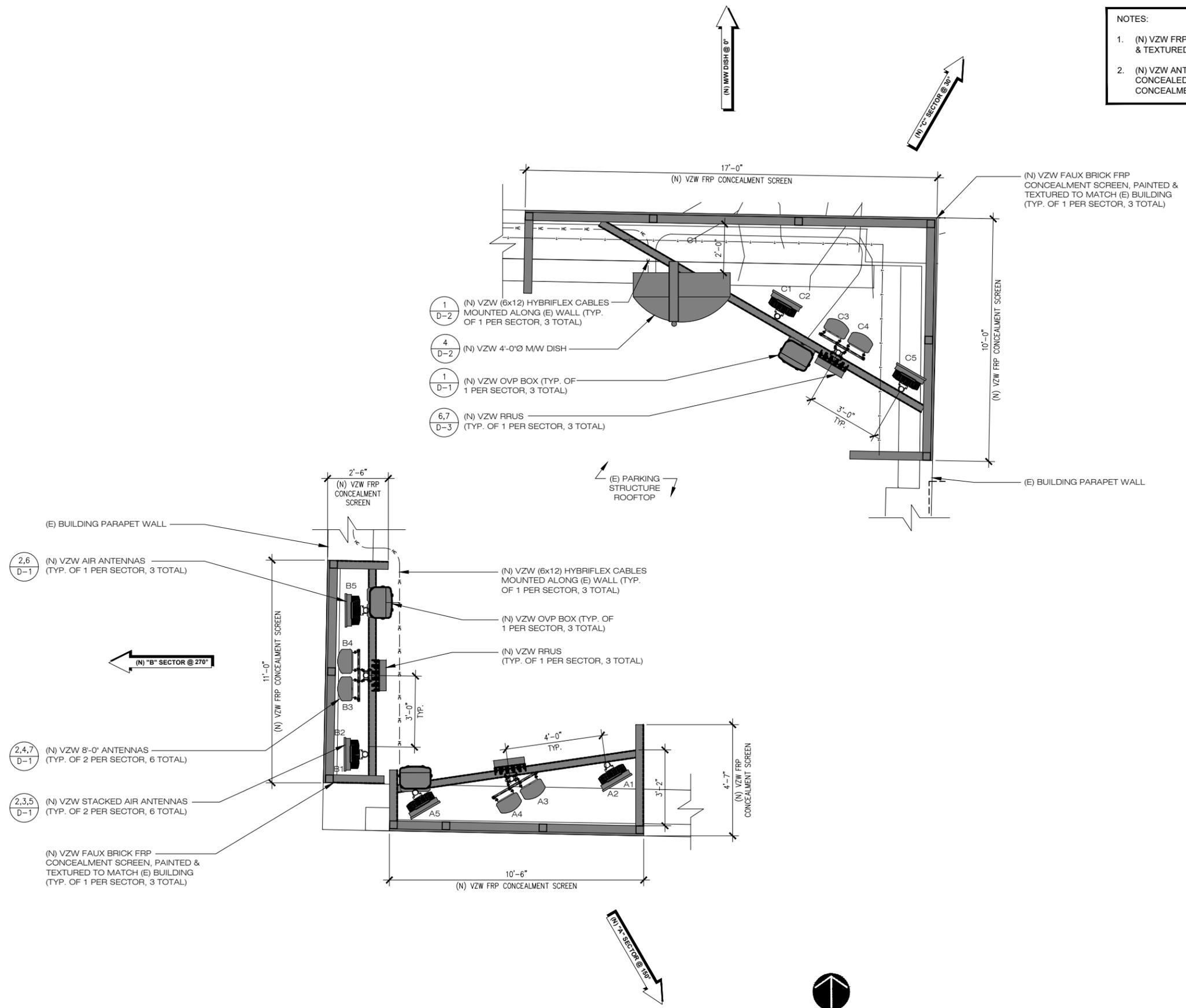
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CONSTRUCTION DRAWINGS

SHEET TITLE:
ANTENNA PLANS

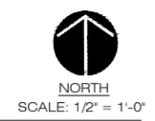
A-4

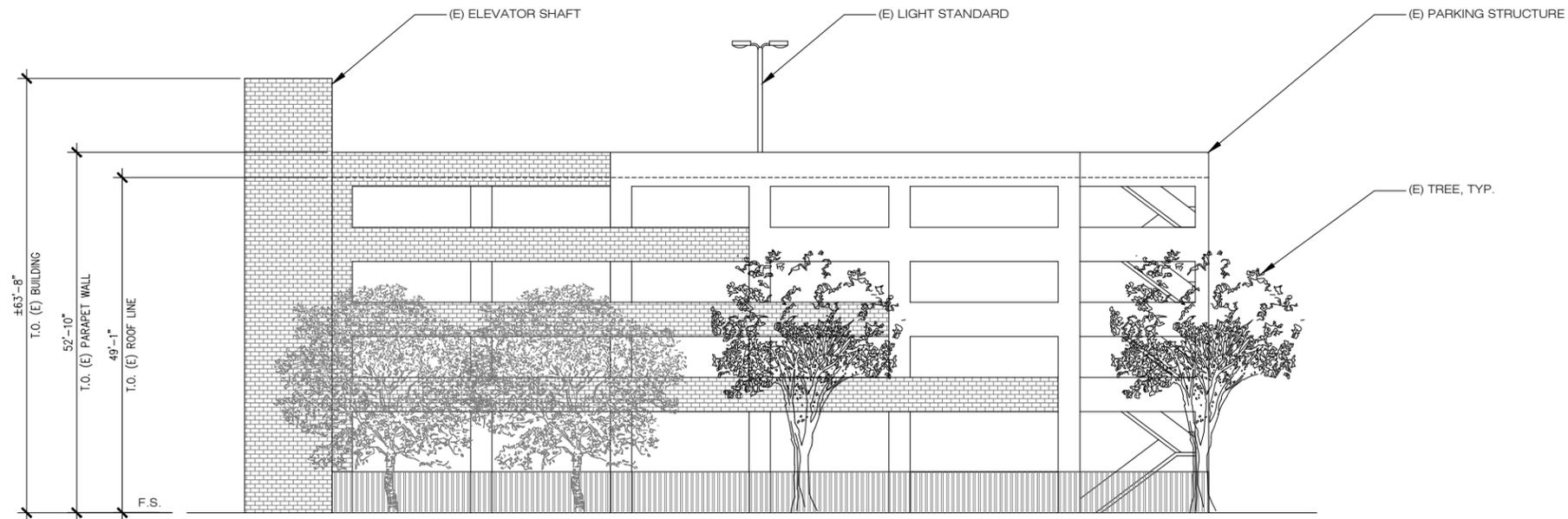
- NOTES:**
- (N) VZW FRP CONCEALMENT SCREENS TO BE PAINTED & TEXTURED TO MATCH (E) BUILDING.
 - (N) VZW ANTENNAS & APPURTENANCES TO BE CONCEALED BEHIND (N) FAUX BRICK FRP CONCEALMENT SCREENS.



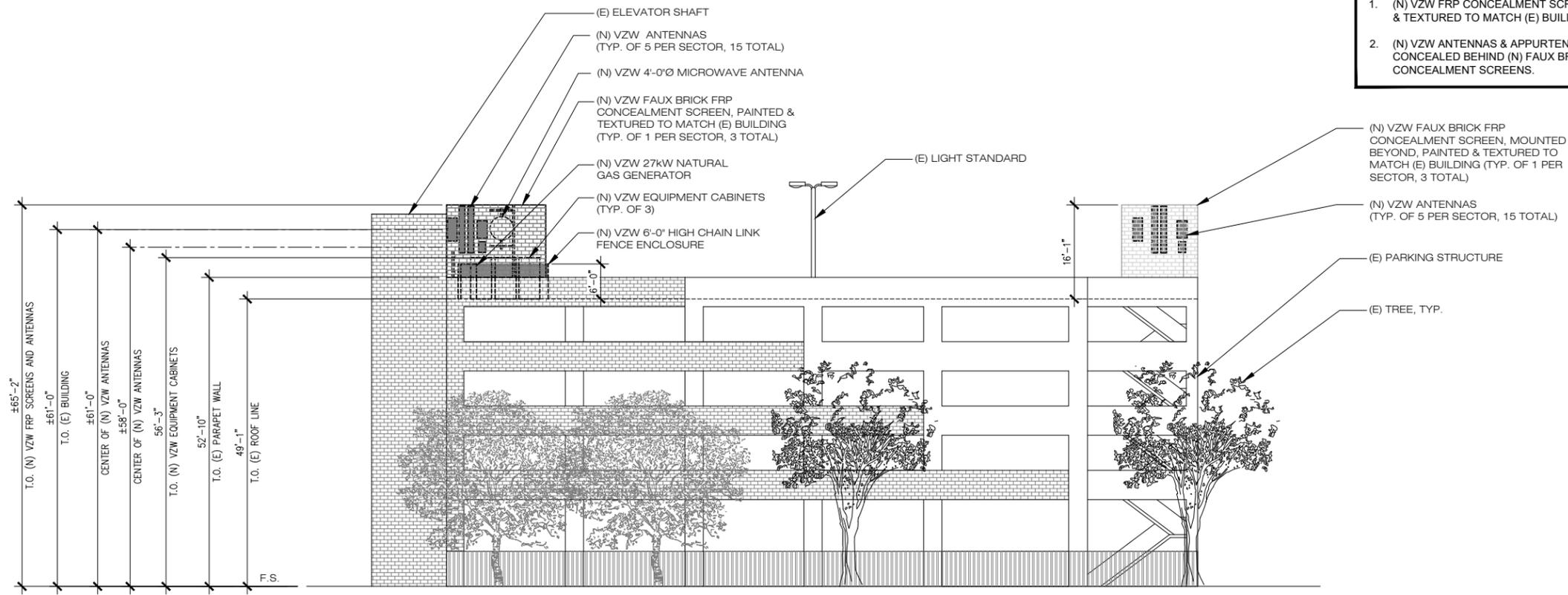
1 ANTENNA PLANS

24"x36" SCALE: 1/2" = 1'-0"
11"x17" SCALE: 1/4" = 1'-0"
2' 1' 0" 2'





1 EXISTING NORTH ELEVATION SCALE: 3/32" = 1'-0"
 24"x36" SCALE: 3/32" = 1'-0"
 11"x17" SCALE: 3/64" = 1'-0"



NOTES:

- (N) VZW FRP CONCEALMENT SCREENS TO BE PAINTED & TEXTURED TO MATCH (E) BUILDING.
- (N) VZW ANTENNAS & APPURTENANCES TO BE CONCEALED BEHIND (N) FAUX BRICK FRP CONCEALMENT SCREENS.

2 PROPOSED NORTH ELEVATION SCALE: 3/32" = 1'-0"
 24"x36" SCALE: 3/32" = 1'-0"
 11"x17" SCALE: 3/64" = 1'-0"

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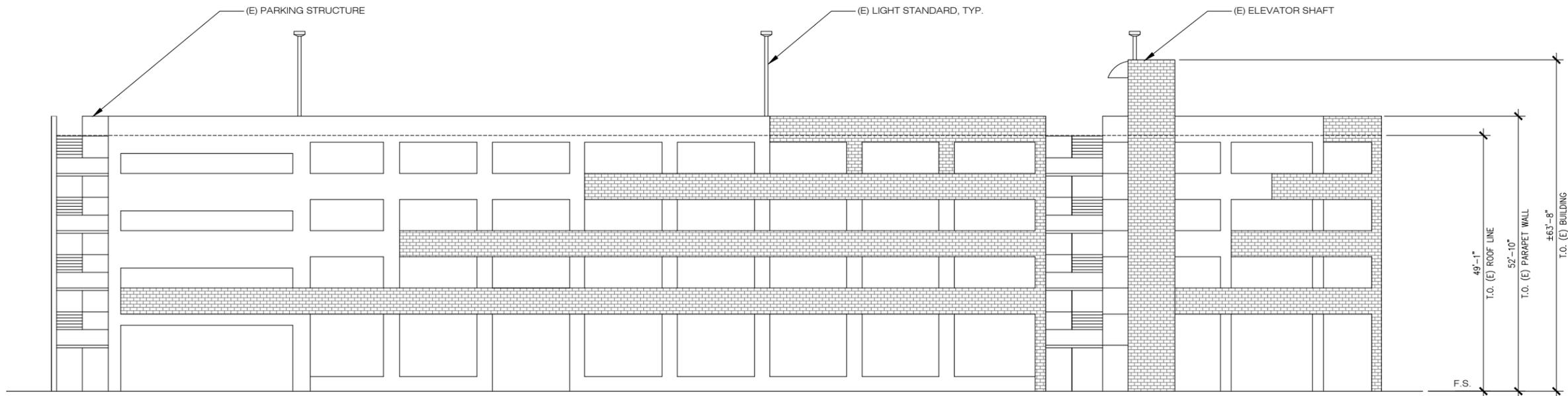
PROJECT ID: 17344152
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CONSTRUCTION DRAWINGS

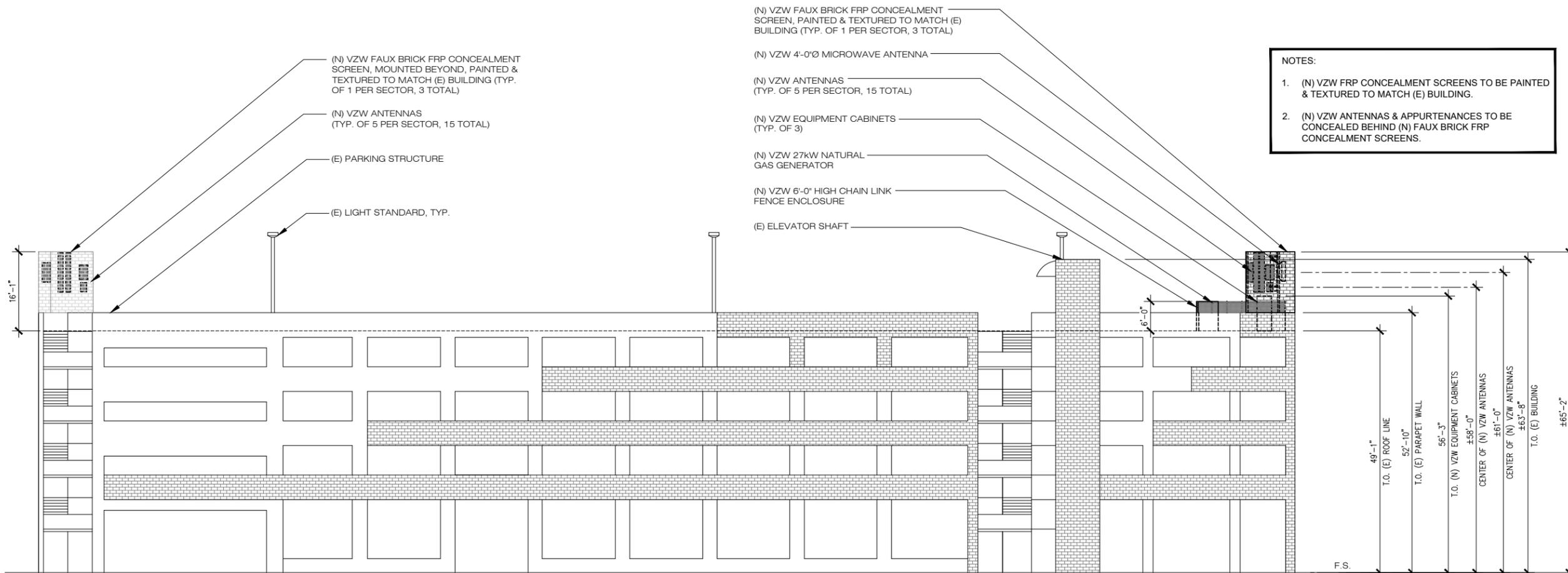
SHEET TITLE:

NORTH ELEVATIONS

A-5



1 EXISTING EAST ELEVATION SCALE: 3/32" = 1'-0"
 24"x36" SCALE: 3/32" = 1'-0"
 11"x17" SCALE: 3/64" = 1'-0"



2 PROPOSED EAST ELEVATION SCALE: 3/32" = 1'-0"
 24"x36" SCALE: 3/32" = 1'-0"
 11"x17" SCALE: 3/64" = 1'-0"

NOTES:
 1. (N) VZW FRP CONCEALMENT SCREENS TO BE PAINTED & TEXTURED TO MATCH (E) BUILDING.
 2. (N) VZW ANTENNAS & APPURTENANCES TO BE CONCEALED BEHIND (N) FAUX BRICK FRP CONCEALMENT SCREENS.

ISSUE STATUS

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MACRO

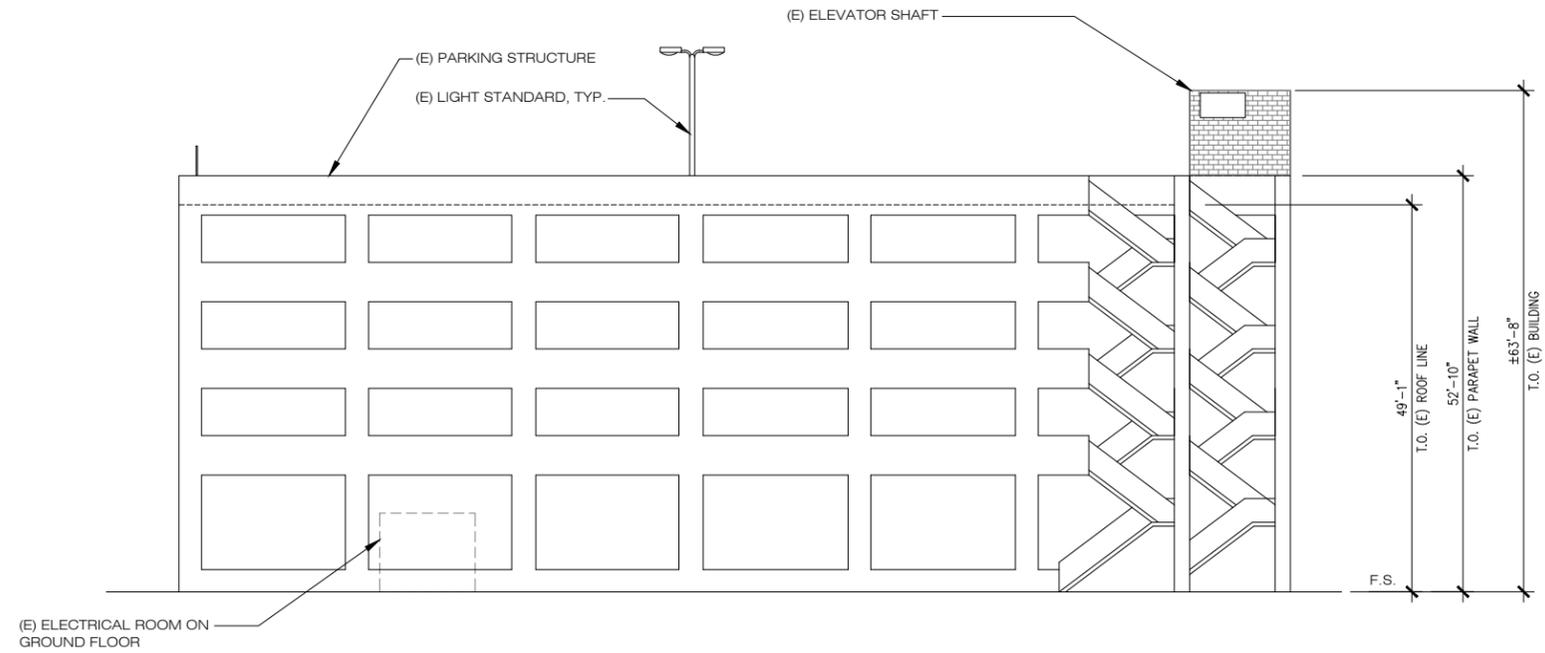
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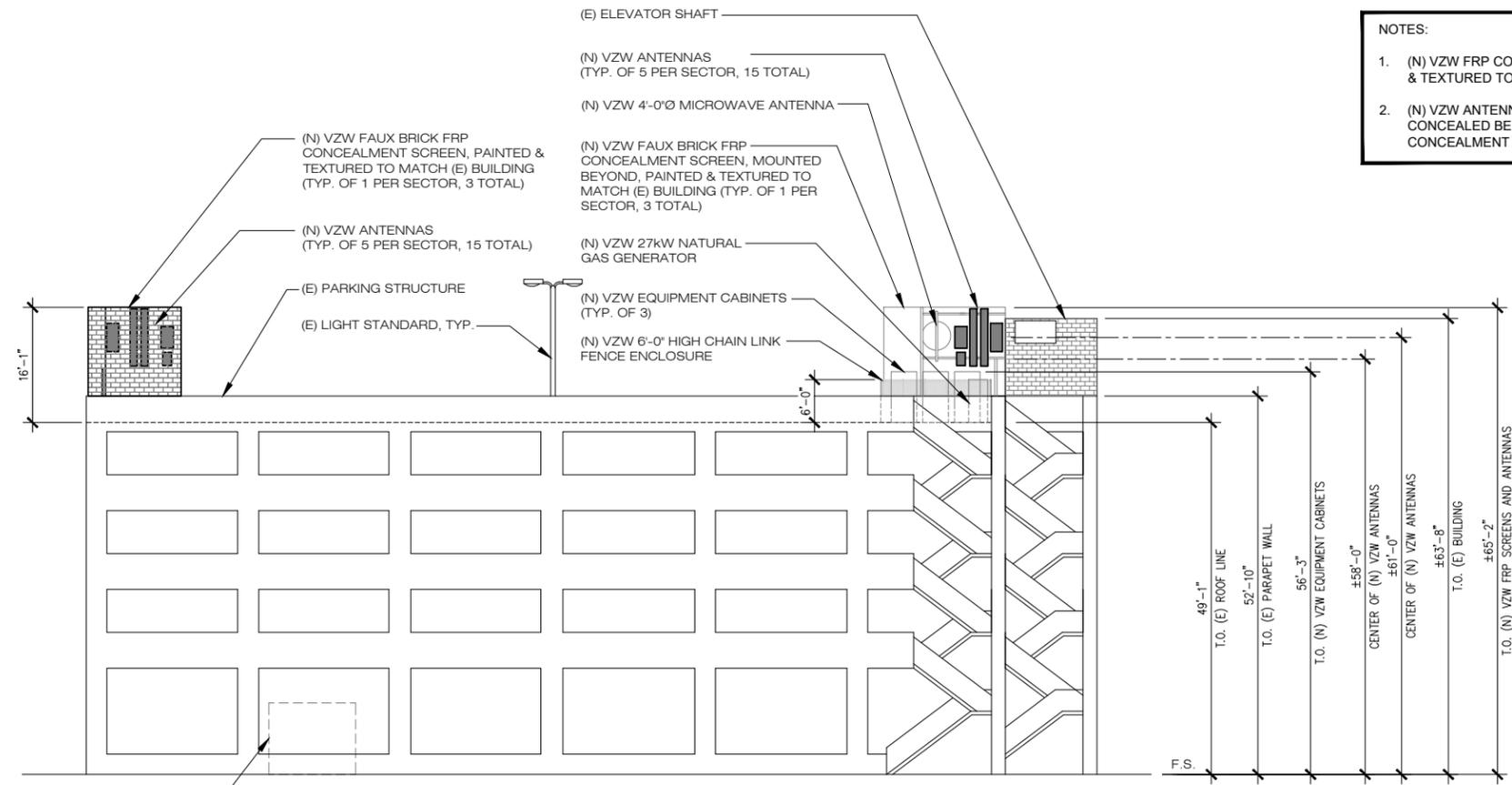
SHEET TITLE:

EAST ELEVATIONS

A-6



1 EXISTING SOUTH ELEVATION
 SCALE: 3/32" = 1'-0"
 24"x36" SCALE: 3/32" = 1'-0"
 11"x17" SCALE: 3/64" = 1'-0"



(N) VZW POWER P.O.C.: (N) VZW WATTNODE AT ILC FED FROM (N) 100A BREAKER IN (E) PANEL HA 400AMP 277/480V LOCATED IN (E) ELECTRICAL ROOM ON GROUND FLOOR

2 PROPOSED SOUTH ELEVATION
 SCALE: 3/32" = 1'-0"
 24"x36" SCALE: 3/32" = 1'-0"
 11"x17" SCALE: 3/64" = 1'-0"

- NOTES:
- (N) VZW FRP CONCEALMENT SCREENS TO BE PAINTED & TEXTURED TO MATCH (E) BUILDING.
 - (N) VZW ANTENNAS & APPURTENANCES TO BE CONCEALED BEHIND (N) FAUX BRICK FRP CONCEALMENT SCREENS.

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**BRIGHTON
 MACRO**
 PROJECT ID: 17344152
 2710 WINONA AVE.
 BURBANK, CA 91504
CONSTRUCTION DRAWINGS

SHEET TITLE:
 SOUTH ELEVATIONS

A-7

ISSUE STATUS

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15505 SAND CANYON AVENUE
IRVINE, CA 92618

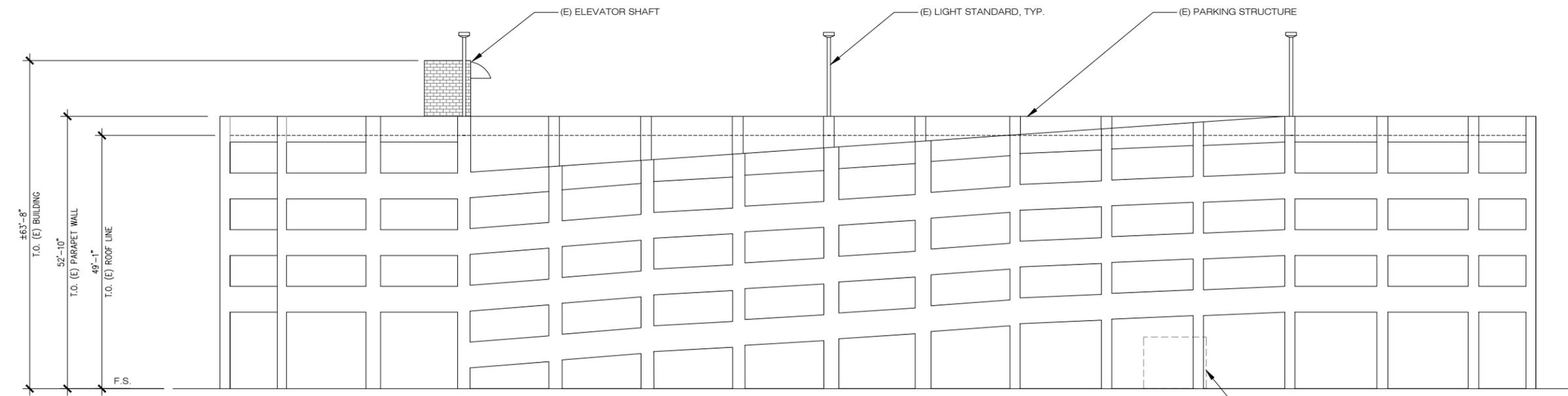
**BRIGHTON
MACRO**

PROJECT ID: 17344152
2710 WINONA AVE.
BURBANK, CA 91504

CONSTRUCTION DRAWINGS

SHEET TITLE:
WEST ELEVATIONS

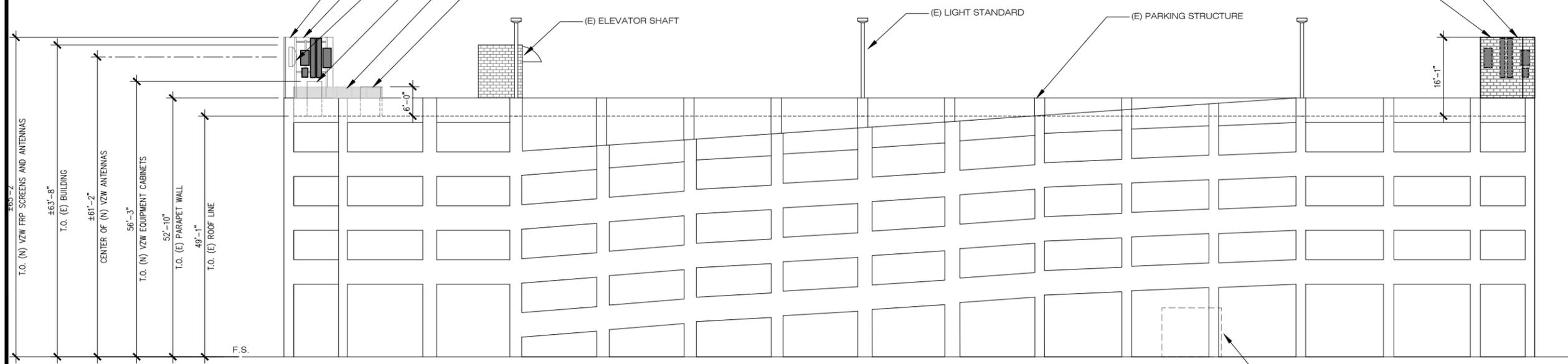
A-8



1 EXISTING WEST ELEVATION SCALE: 3/32" = 1'-0"
24"x36" SCALE: 3/32" = 1'-0"
11"x17" SCALE: 3/64" = 1'-0"

- NOTES:**
- (N) VZW FRP CONCEALMENT SCREENS TO BE PAINTED & TEXTURED TO MATCH (E) BUILDING.
 - (N) VZW ANTENNAS & APPURTENANCES TO BE CONCEALED BEHIND (N) FAUX BRICK FRP CONCEALMENT SCREENS.

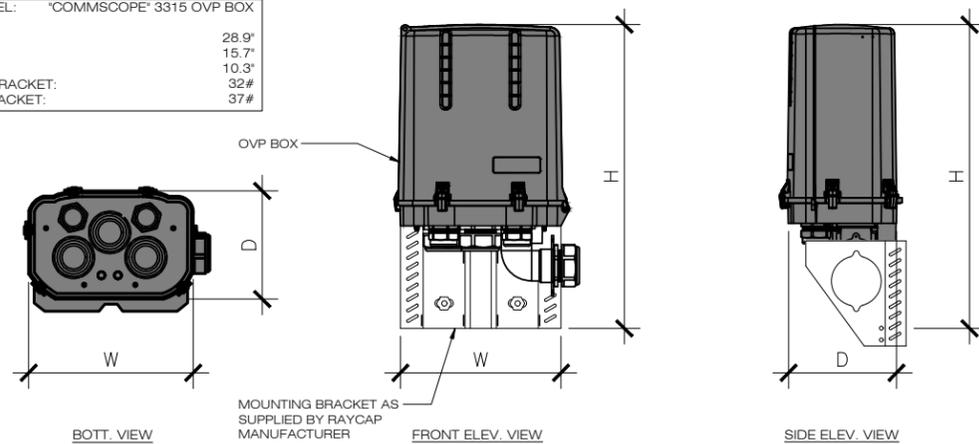
- (N) VZW FAUX BRICK FRP CONCEALMENT SCREEN, MOUNTED BEYOND, PAINTED & TEXTURED TO MATCH (E) BUILDING (TYP. OF 1 PER SECTOR, 3 TOTAL)
- (N) VZW ANTENNAS (TYP. OF 5 PER SECTOR, 15 TOTAL)
- (N) VZW 4'-0"Ø MICROWAVE ANTENNA
- (N) VZW EQUIPMENT CABINETS (TYP. OF 3)
- (N) VZW 6'-0" HIGH CHAIN LINK FENCE ENCLOSURE
- (N) VZW 27KW NATURAL GAS GENERATOR
- (N) VZW FAUX BRICK FRP CONCEALMENT SCREEN, PAINTED & TEXTURED TO MATCH (E) BUILDING (TYP. OF 1 PER SECTOR, 3 TOTAL)
- (N) VZW ANTENNAS (TYP. OF 5 PER SECTOR, 15 TOTAL)



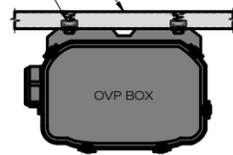
2 PROPOSED WEST ELEVATION SCALE: 3/32" = 1'-0"
24"x36" SCALE: 3/32" = 1'-0"
11"x17" SCALE: 3/64" = 1'-0"

(N) VZW POWER P.O.C.: (N) VZW WATTNODE AT ILC FED FROM (N) 100A BREAKER IN (E) PANEL HA 400AMP 277/480V LOCATED IN (E) ELECTRICAL ROOM ON GROUND FLOOR

REMOTE RADIO UNIT MODEL:	"COMMSCOPE" 3315 OVP BOX
PHYSICAL DATA	
HEIGHT (H):	28.9"
WIDTH (W):	15.7"
DEPTH (D):	10.3"
WEIGHT W/O MOUNTING BRACKET:	32#
WEIGHT W/ MOUNTING BRACKET:	37#



P1000 UNISTRUT @ TOP & BOTT. (2 TOTAL)
1/4" UNISTRUT SPRING NUT & BOLT @ TOP & BOTT. (4 TOTAL)



P1000 UNISTRUT @ TOP & BOTT. (2 TOTAL)
1/4" UNISTRUT SPRING NUT & BOLT @ TOP & BOTT. (4 TOTAL)
P1000 VERT. UNISTRUT (2 TOTAL)



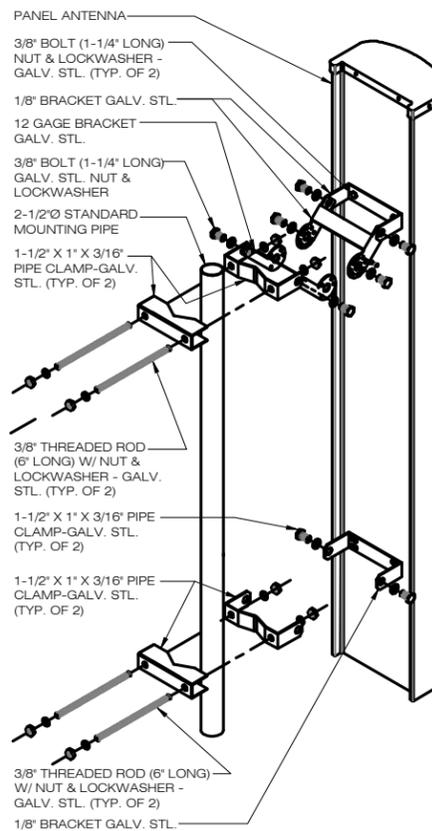
STD. MOUNTING PIPE
3/8" U-BOLT @ TOP & BOTT. (2 TOTAL)
1/4" UNISTRUT SPRING NUT & BOLT @ TOP & BOTT. (4 TOTAL)



RAYCAP BOX MOUNTING DETAILS

1 3315 RAYCAP BOX DETAILS

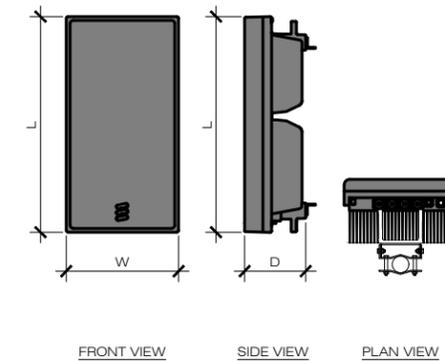
D-1 SCALE: NTS



2 ANTENNA MOUNTING DETAILS

D-1 SCALE: NTS

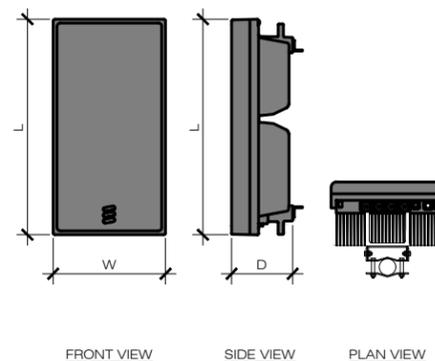
ANTENNA MODEL:	"ERICSSON" AIR-3268
PHYSICAL DATA	
LENGTH (L):	22.4"
WIDTH (W):	14.6"
DEPTH (D):	4.9"
WEIGHT W/ MOUNTING BRACKET:	26#



3 AIR-3268 ANTENNA DETAILS

D-1 SCALE: NTS

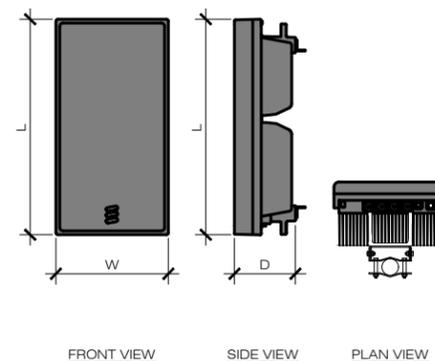
ANTENNA MODEL:	"ERICSSON" AIR-6419
PHYSICAL DATA	
LENGTH (L):	31.3"
WIDTH (W):	16.1"
DEPTH (D):	9.1"
WEIGHT W/O MOUNTING BRACKET:	63#
WEIGHT W/ MOUNTING BRACKET:	75#



5 AIR-6419 ANTENNA DETAILS

D-1 SCALE: NTS

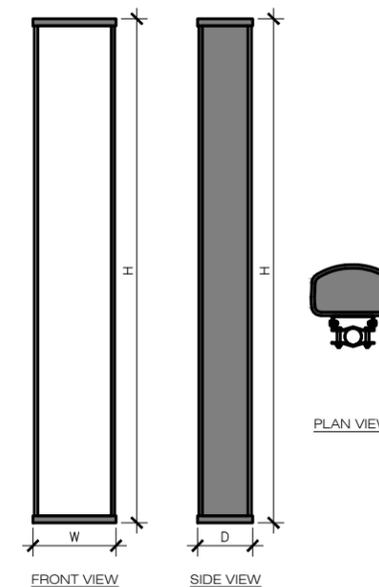
ANTENNA MODEL:	"ERICSSON" AIR-3283
PHYSICAL DATA	
LENGTH (L):	47.2"
WIDTH (W):	20"
DEPTH (D):	10.9"
WEIGHT W/ MOUNTING BRACKET:	104#



6 AIR-3283 ANTENNA DETAILS

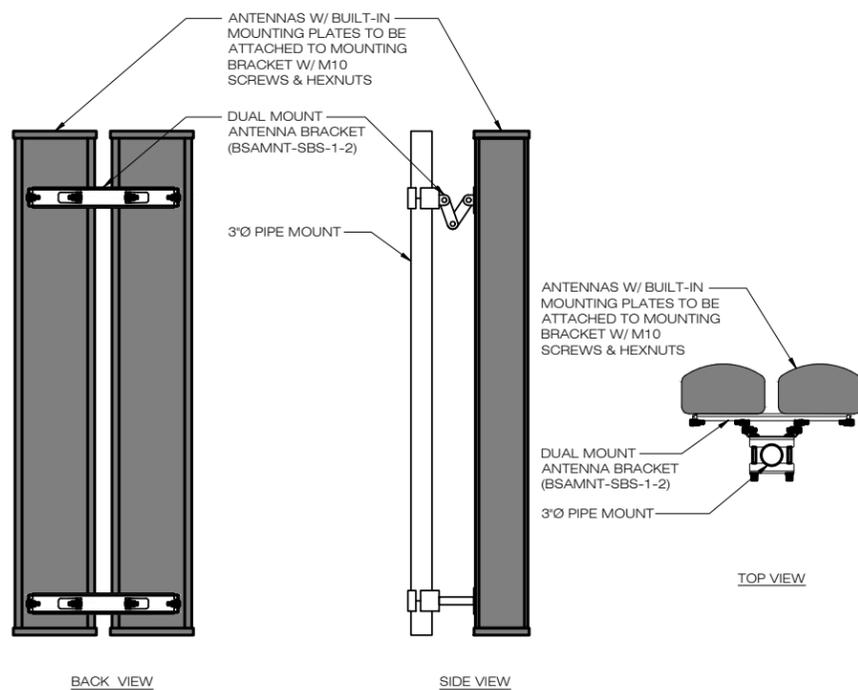
D-1 SCALE: NTS

ANTENNA MODEL:	"COMMSCOPE" NHH-65B-R2B
PHYSICAL DATA	
LENGTH (L):	72.0"
WIDTH (W):	11.9"
DEPTH (D):	7.1"
WEIGHT W/O MOUNTING BRACKET:	44#
WEIGHT W/ MOUNTING BRACKET:	58#



7 NHH-65B-R2B ANTENNA DETAILS

D-1 SCALE: NTS



4 DUAL MOUNT ANTENNA BRACKET DETAILS

D-1 SCALE: NTS

ISSUE STATUS

REV.	DATE	DESCRIPTION	BY
0	02/28/2025	90% CD REVIEW	AP
1	08/06/2025	90% CD REVIEW	AP
2	01/21/2026	WATTNODE UPDATE	AP

TRIAD Group

9010 112th Avenue NE
Kirkland, WA 98033

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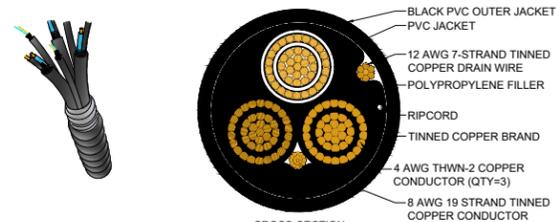
15505 SAND CANYON AVENUE
IRVINE, CA 92618

BRIGHTON
MACRO
PROJECT ID: 17344152
2710 WINONA AVE.
BURBANK, CA 91504
CONSTRUCTION DRAWINGS

SHEET TITLE:

DETAILS

D-1



COMMSCOPE PWRT-604-S OR EQUAL
REMOTE RADIO HEAD POWER CABLE, 3 CONDUCTOR WITH SHIELD, 4 AWG

CONSTRUCTION TYPE
JACKET COLOR: NON-ARMORED BLACK

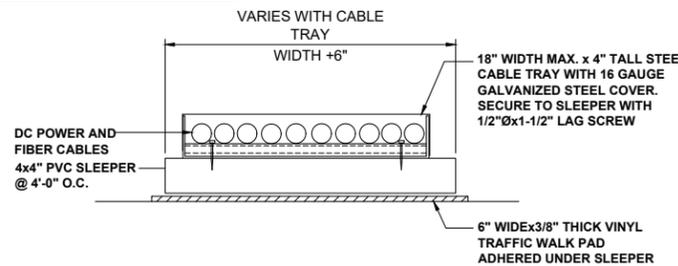
DIMENSIONS
CABLE WEIGHT: 1.860 kg/m | 1.250 lb/ft
DIAMETER OVER DIELECTRIC: 8.077 mm | 0.318 in
JACKET THICKNESS: 2.032 mm | 0.08 in

ELECTRICAL SPECIFICATIONS
CONDUCTOR DC RESISTANCE: 0.26 ohms/kft | 0.853 ohms/km
SAFETY VOLTAGE RATING: 600V

ENVIRONMENTAL SPECIFICATIONS
ENVIRONMENTAL SPACE OPERATING TEMPERATURE: UV RESISTANT FOR OUTDOOR AND/OR DIRECT BURIAL INSTALLATIONS
-40 °C TO +90 °C (-40 °F TO +194 °F)
SAFETY STANDARD: NEC ARTICLE 336 (TYP TC-ER)
REGULATORY COMPLIANCE/CERTIFICATIONS: ISO 9001:2015

1
D-2
NEW POWER TRUNK
SCALE: NTS

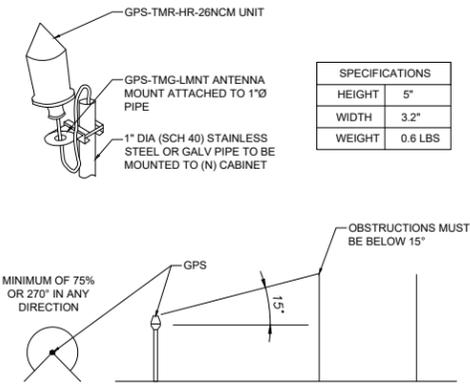
STEEL CABLE TRAY SYSTEM BY B-LINE
SERIES 248
LADDER TYPE MATERIAL - HOT DIPPED GALVANIZED, 18 GAUGE RUNG SPACING
12" O.C. WITH 16 GAUGE STEEL COVERS



2
D-2
CABLE TRAY
SCALE: NTS

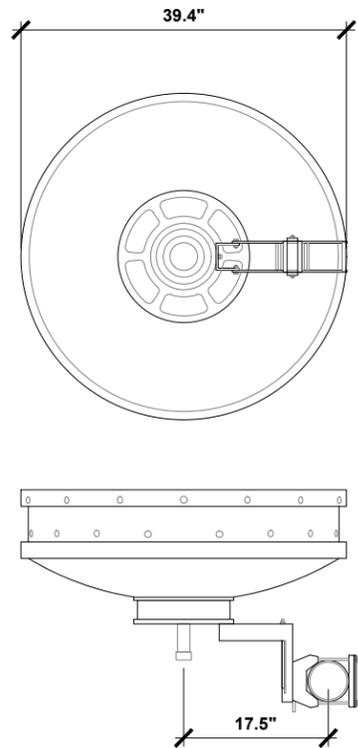
NOTE:

- THE GPS ANTENNA MOUNT IS DESIGNED TO FASTEN TO A STANDARD 1"Ø, SCH. 40, GALVANIZED U.S. STEEL PIPE. THE PIPE MUST NOT BE THREADED AT THE ANTENNA MOUNT END. THE PIPE SHALL BE CUT TO THE REQ'D LENGTH USING A HAND OR ROTARY PIPE CUTTER TO ASSURE A SMOOTH AND PERPENDICULAR CUT. A HACK SAW SHALL NOT BE USED. THE CUT PIPE END SHALL BE DEBARRED.
- IT IS CRITICAL THAT THE GPS ANTENNA IS MOUNTED SUCH THAT IT IS WITHIN 2 DEGREES OF VERTICAL AND THE BASE OF THE ANTENNA IS WITHIN 2" OF LEVEL.
- DO NOT SWEEP TEST GPS ANTENNA.



3
D-2
GPS UNIT DETAIL
SCALE: NTS

MANUFACTURER: COMMSCOPE
PART # VHLP3
DIAMETER: 39.4"
DEPTH: 23.1"
OFFSET: 17.5"
WEIGHT: 53.0 LBS



4
D-2
MICROWAVE ANTENNA DETAIL
SCALE: NTS

Product Datasheet

RADIO FREQUENCY SYSTEMS
The Clear Choice®

Group Datasheet HB114-U6512-xxx-LI Series

HYBRIFLEX™ RRH Hybrid Cable Solution 6x12, 6AWG
Low-Inductance, 1-1/4", Single-Mode Fiber With DLC Connectors

Product Description

RFS' HYBRIFLEX Remote Radio Head (RRH) hybrid feeder cabling solution combines optical fiber and DC power for RRHs in a single lightweight aluminum corrugated cable, making it the world's most innovative solution for RRH deployments.

This low-inductance version of HYBRIFLEX allows mobile operators deploying an RRH architecture to deploy >400ft sites without the danger of power-cycling their RRHs due to voltage swings, which could occur in some specific instances. It combines bend-insensitive single-mode fiber (12 pairs of DLC connectors), 6 pairs of low-inductance DC wires and 9 pairs of 18AWG wires used to carry alarm signals. The package also includes a special RFS-designed DC insulating boot, used to properly protect and insulate the DC wires after stripping the jacket, avoiding possible short-circuits while wiring it to the distribution boxes. Standard RFS CELLFLEX® accessories can be used with HYBRIFLEX cable.

Technical Specifications

Structure	Outer Conductor Armor: Corrugated Aluminum	[mm (in)]	36.0 (1.42)
Jacket	Flame Retardant	[mm (in)]	39.0 (1.54)
UV Protection	Individual and External Jacket		Yes
Mechanical Properties	Weight, Approximate	[kg/m (lb/ft)]	2.52 (1.70)
Minimum Bending Radius, Single Bending		[mm (in)]	152 (6)
Minimum Bending Radius, Repeated Bending		[mm (in)]	254 (10)
Recommended Maximum Clamp Spacing		[m (ft)]	1.0 / 1.2 (3.25 / 4.0)
Electrical Properties	DC-Resistance Outer Conductor Armor	[Ω/km (Ω/1000ft)]	0.9 (0.27)
DC-Resistance Power Cable, 13.3mm² (6AWG)		[Ω/km (Ω/1000ft)]	1.4 (0.42)
Inductance @100-1000Hz		[μH/km (μH/1000ft)]	< 0.19 (0.06)
Fiber Optic Properties	Version		Single-mode
Quantity, Fiber Count			24 (12 pairs)
Core, Clad			9/125
Primary Coating (Acrylate)		[μm]	245
Secondary Coating Diameter, Nominal		[μm]	900
Minimum Bending Radius		[mm (in)]	137 (5.4)
Optical Loss @ wavelength 1310nm		[dB/km]	0.5
Optical Loss @ wavelength 1550nm		[dB/km]	0.5
DC Power Cable Properties	Size (Power)	[mm² (AWG)]	13.3 (6)
Quantity, Wire Count (Power)			12 (6 concentric wires)
Size (Alarm)		[mm² (AWG)]	0.8 (18)
Quantity, Wire Count (Alarm)			18 (9 stranded pairs)
Type			PVC/Nylon
Primary Jacket Diameter, Nominal		[mm (in)]	9.3 (0.369)
Environment	Installation Temperature	[°C (°F)]	-20 to +65 (-4 to +149)
Operation Temperature		[°C (°F)]	-40 to +45 (-40 to +103)
Storage Temperature		[°C (°F)]	-40 to +70 (-40 to +158)
Standards (meets or exceeds)	Jacket		UL2882 Type RHC, UL Listed
Fiber Optic			UL Listed Type OM3 (UL1666), RoHS Compliant
Alarm Wires			UL Standard 1063, 1581 VW-1, MTW Oil and Gasoline RES1
Power Wires			SUNRES Cable meets UL requirements, RoHS/REACH Compliant
			For use in Type RHC per UL 2982, PVC/Nylon, RoHS/REACH Compliant

- Patented DC Wire Insulator: Used at the DC wire connection in distribution boxes, prevents potential short circuits
- Aluminum corrugated armor with outstanding bending characteristics: Minimizes installation time and enables mechanical protection and shielding
- Same accessories as 1-1/4" coaxial cable
- Outer conductor grounding: Eliminates typical grounding requirements and saves on installation costs
- Lightweight solution and compact design: Decreases tower loading
- Robust cabling: Eliminates need for expensive cable trays and ducts
- Optical fiber and power cables housed in single corrugated cable: Saves CAPEX by standardizing RRH cable installation and reducing installation requirements
- Outdoor, flame-retardant jacket: Ensures long-lasting cable protection

RFS The Clear Choice®
HB114-U6512-xxx-LI series | Print Date: 12.6.2015 | Rev: P4 | Rev Date: 12.6.2015
All information contained in this datasheet is subject to confirmation at time of ordering.

www.rfsworld.com
Page 1 of 2

5
D-2
6X12 LOW INDUCTANCE CABLE
SCALE: NTS

Product Datasheet

RADIO FREQUENCY SYSTEMS
The Clear Choice®

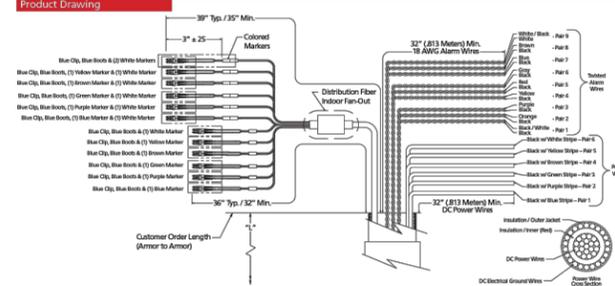
Group Datasheet HB114-U6512-xxx-LI Series

HYBRIFLEX™ RRH Hybrid Cable Solution 6x12, 6AWG
Low-Inductance, 1-1/4", Single-Mode Fiber With DLC Connectors

Ordering Information

Length, ft*	Model Number	Length, ft*	Model Number
10	HB114-U6512-10-LI	230	HB114-U6512-230-LI
20	HB114-U6512-20-LI	240**	HB114-U6512-240-LI
30	HB114-U6512-30-LI	250	HB114-U6512-250-LI
40	HB114-U6512-40-LI	260	HB114-U6512-260-LI
50	HB114-U6512-50-LI	270**	HB114-U6512-270-LI
60	HB114-U6512-60-LI	280	HB114-U6512-280-LI
70	HB114-U6512-70-LI	290	HB114-U6512-290-LI
80	HB114-U6512-80-LI	300	HB114-U6512-300-LI
90**	HB114-U6512-90-LI	310	HB114-U6512-310-LI
100	HB114-U6512-100-LI	320	HB114-U6512-320-LI
110	HB114-U6512-110-LI	330	HB114-U6512-330-LI
120**	HB114-U6512-120-LI	340	HB114-U6512-340-LI
130	HB114-U6512-130-LI	350	HB114-U6512-350-LI
140	HB114-U6512-140-LI	360	HB114-U6512-360-LI
150**	HB114-U6512-150-LI	370	HB114-U6512-370-LI
160	HB114-U6512-160-LI	380	HB114-U6512-380-LI
170	HB114-U6512-170-LI	390	HB114-U6512-390-LI
180**	HB114-U6512-180-LI	400	HB114-U6512-400-LI
190	HB114-U6512-190-LI	410	HB114-U6512-410-LI
200	HB114-U6512-200-LI	420	HB114-U6512-420-LI
210**	HB114-U6512-210-LI	430	HB114-U6512-430-LI
220	HB114-U6512-220-LI	440	HB114-U6512-440-LI

* Length in "ft" shown in product drawing. ** Quick Ship Model - Contact RFS for details.



Related Information

View factory test results on-line simply by entering the product serial number. See how RFS' HYBRIFLEX installation tools can simplify and improve field work for you today.

RFS The Clear Choice®
HB114-U6512-xxx-LI series | Print Date: 12.6.2015 | Rev: P4 | Rev Date: 12.6.2015
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Page 2 of 2

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REV.	DATE	DESCRIPTION	BY
0	02/28/2025	90% CD REVIEW	AP
1	08/06/2025	90% CD REVIEW	AP
2	01/21/2026	WATTNODE UPDATE	AP

TRIAD Group

9010 112th Avenue NE
Kirkland, WA 98033

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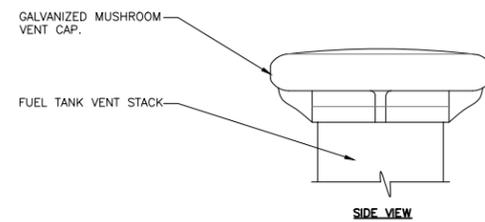
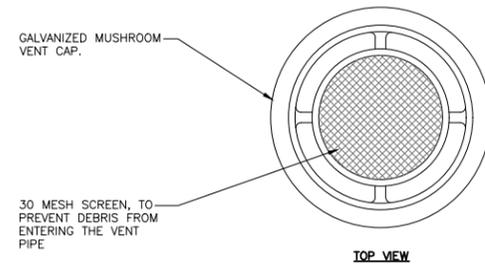
verizon
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BRIGHTON
MACRO
PROJECT ID: 17344152
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CONSTRUCTION DRAWINGS

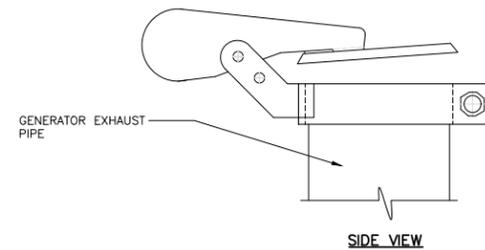
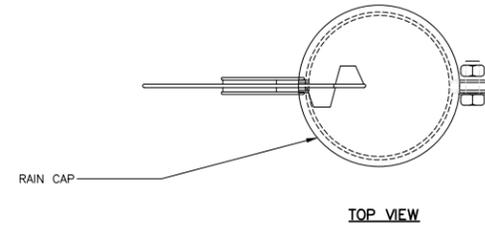
SHEET TITLE:

DETAILS

D-2

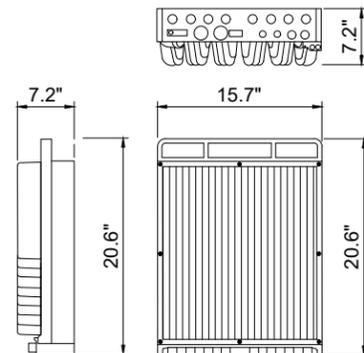


1 VENT STACK MUSHROOM CAP
D-3 SCALE: NTS

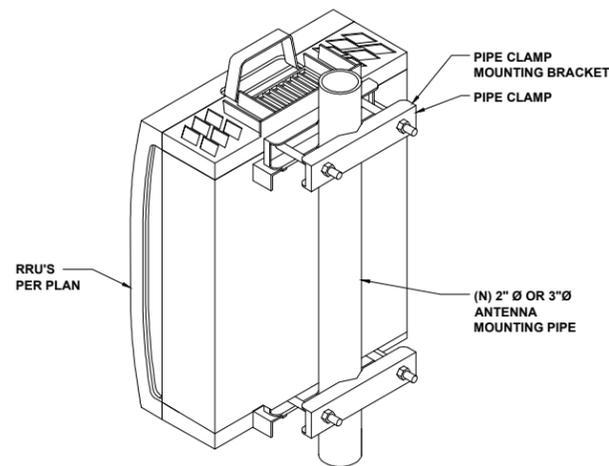


2 EXHAUST RAIN CAP
D-3 SCALE: NTS

MANUFACTURER: ERICSSON
MODEL NUMBER: RRU5 4490
TOTAL WEIGHT: 68.4 LBS.
POWER: 4x60 W
RF PORT: 4 Common

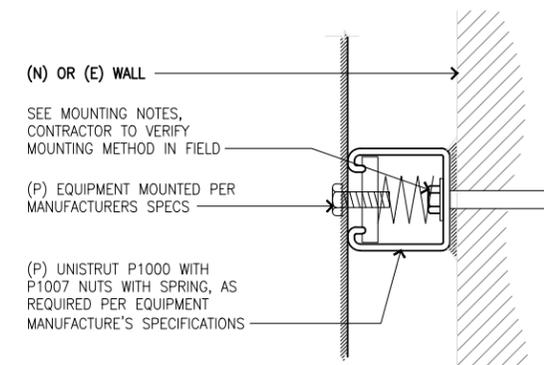


6 RRUs DETAIL
D-3 SCALE: NTS



7 RRUs STD MOUNTING DETAIL
D-3 SCALE: NTS

MOUNTING NOTES:
1. FOR SOLID CMU MASONRY BLOCK WALL USE: 1/2"Ø HILTI HIT HY-70 WITH 4 1/2" EMB @ 16" O.C. (ESR-2682)



8 EQUIPMENT WALL MOUNTING DETAIL
D-3 SCALE: NTS

ISSUE STATUS

REV.	DATE	DESCRIPTION	BY
0	02/28/2025	90% CD REVIEW	AP
1	08/06/2025	90% CD REVIEW	AP
2	01/21/2026	WATTNODE UPDATE	AP

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verizon
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IRVINE, CA 92618

BRIGHTON
MACRO
PROJECT ID: 17344152
2710 WINONA AVE.
BURBANK, CA 91504
CONSTRUCTION DRAWINGS

SHEET TITLE:

DETAILS

D-3



Emergency Contact Information:
 Network Operations Control Center
 Phone: (800) 264-6620
Site Name: BRIGHTON
VZ PROJECT ID: 17344152

SIGN DIMENSIONS: 8" TALL x 12" WIDE

1 D-4 DANGER COMBUSTIBLE LIQUIDS SIGNAGE
 SCALE: NTS



DANGER

NI-CAD BATTERIES
 CORROSIVE LIQUIDS (ELECTROLYTE)
 ENERGIZED ELECTRICAL CIRCUITS
NO SMOKING

SIGN DIMENSIONS: 14" TALL x 10" WIDE

2 D-4 BATTERY WARNING SIGN
 SCALE: NTS

CALIFORNIA
Proposition 65

Warning: Natural Gas/Liquid Propane Gas engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm.

SIGN FONT:
 72-POINT FONT

SIGN DIMENSIONS:
 7" TALL x 10" WIDE

3 D-4 PROP. 65 WARNING SIGN
 SCALE: NTS

NOTE: GC TO CONFIRM WITH THE RFE/EME STUDY DOCUMENT WHICH WARNING PLACARD(S) IS/ARE NEEDED, WHERE TO BE INSTALLED AND, IF NOT REQUIRED, TO NOT INSTALL ONE



CAUTION

Transmitting Antenna(s)
 Radio frequency fields beyond this point MAY EXCEED the FCC Occupational exposure limit.
 Obey all posted signs and site guidelines.
 Call Verizon at 1-800-264-6620 PRIOR to working beyond this point.
 STATE: _____ SWITCH: _____
 SITE ID: _____
 SECTOR/NODE: _____

SIGN DIMENSIONS: 8" TALL x 12" WIDE

4 D-4 RF CAUTION SIGN
 SCALE: NTS

NOTE: GC TO CONFIRM WITH THE RFE/EME STUDY DOCUMENT WHICH WARNING PLACARD(S) IS/ARE NEEDED, WHERE TO BE INSTALLED AND, IF NOT REQUIRED, TO NOT INSTALL ONE



INFORMATION

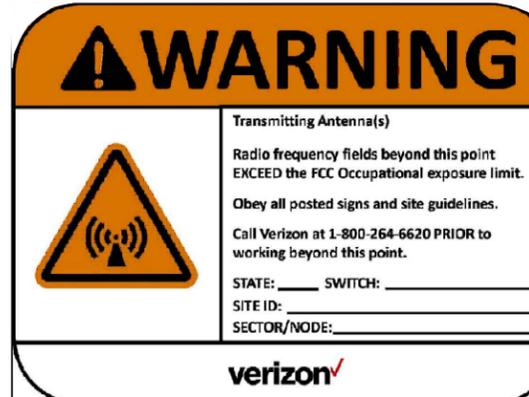
This is an ACCESS POINT to an area with transmitting antennas.

Obey all postings and boundaries beyond this point.
 Call Verizon at 1-800-264-6620 for more information.
 STATE: _____ SWITCH: _____
 SITE ID: _____

SIGN DIMENSIONS: 8" TALL x 12" WIDE

5 D-4 NOC INFORMATION SIGN
 SCALE: NTS

NOTE: GC TO CONFIRM WITH THE RFE/EME STUDY DOCUMENT WHICH WARNING PLACARD(S) IS/ARE NEEDED, WHERE TO BE INSTALLED AND, IF NOT REQUIRED, TO NOT INSTALL ONE

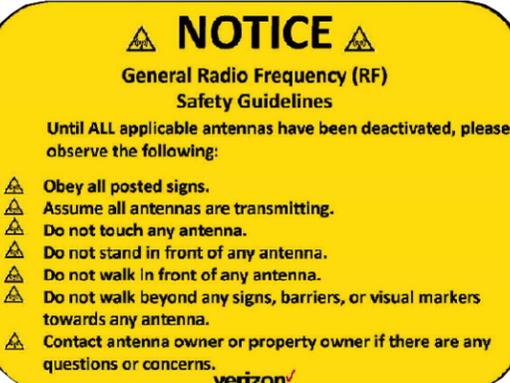


WARNING

Transmitting Antenna(s)
 Radio frequency fields beyond this point EXCEED the FCC Occupational exposure limit.
 Obey all posted signs and site guidelines.
 Call Verizon at 1-800-264-6620 PRIOR to working beyond this point.
 STATE: _____ SWITCH: _____
 SITE ID: _____
 SECTOR/NODE: _____

SIGN DIMENSIONS: 8" TALL x 12" WIDE

6 D-4 RF WARNING SIGN
 SCALE: NTS



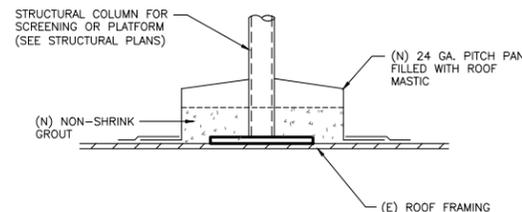
NOTICE

General Radio Frequency (RF) Safety Guidelines

Until ALL applicable antennas have been deactivated, please observe the following:

- Obey all posted signs. Assume all antennas are transmitting.
- Do not touch any antenna.
- Do not stand in front of any antenna.
- Do not walk in front of any antenna.
- Do not walk beyond any signs, barriers, or visual markers towards any antenna.
- Contact antenna owner or property owner if there are any questions or concerns.

NOTE: GC TO CONFIRM WITH THE RFE/EME STUDY DOCUMENT WHICH WARNING PLACARD(S) IS/ARE NEEDED, WHERE TO BE INSTALLED AND, IF NOT REQUIRED, TO NOT INSTALL ONE



NOTES:
 1. CONTRACTOR TO VERIFY LOCATION OF BEAMS AND LOCATE COLUMN OVER TOP AS NECESSARY.
 2. ALL FLASHING TO BE PER CURRENT SMACNA STANDARDS.

8 D-4 PITCH POCKET DETAIL
 SCALE: NTS

9 D-4 NOT USED
 SCALE: NTS

ISSUE STATUS

REV.	DATE	DESCRIPTION	BY
0	02/28/2025	90% CD REVIEW	AP
1	08/06/2025	90% CD REVIEW	AP
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 BURBANK, CA 91504
CONSTRUCTION DRAWINGS

SHEET TITLE:

DETAILS

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0	02/28/2025	90% CD REVIEW	AP
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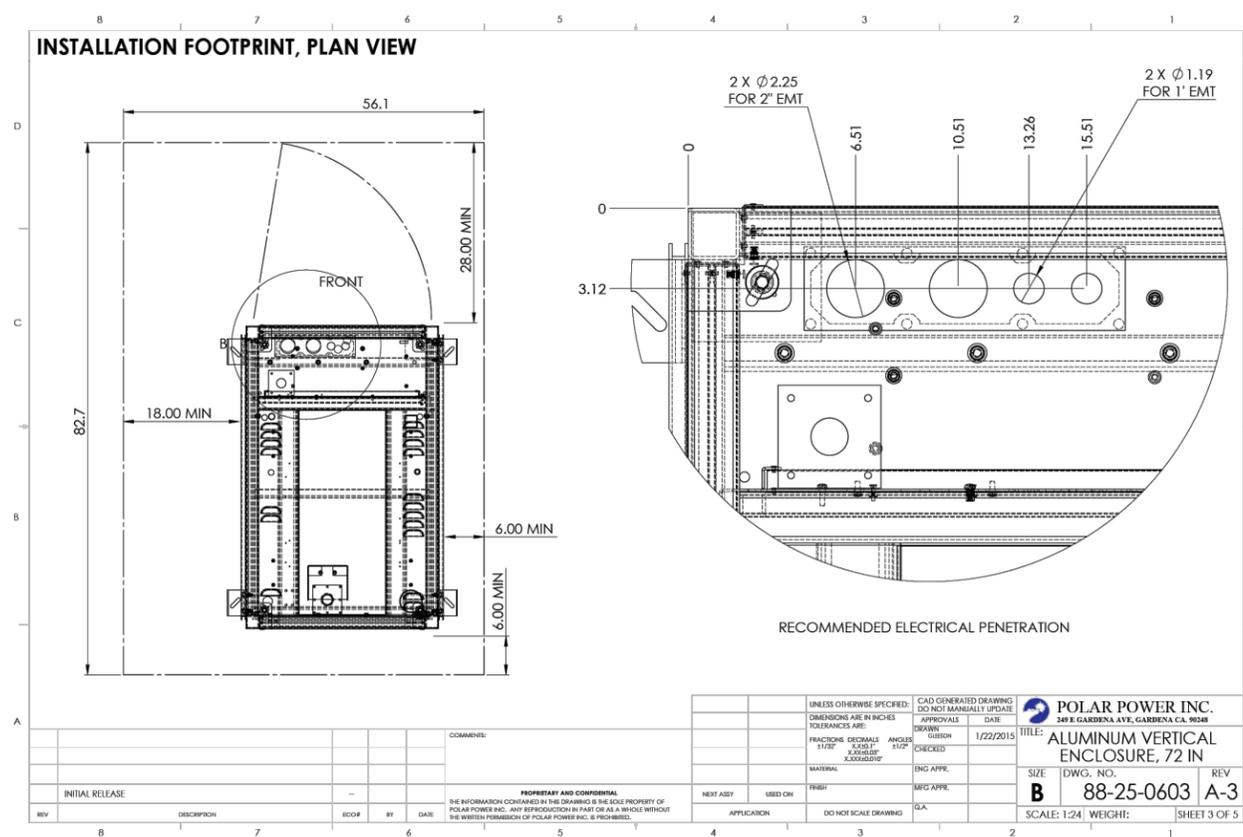
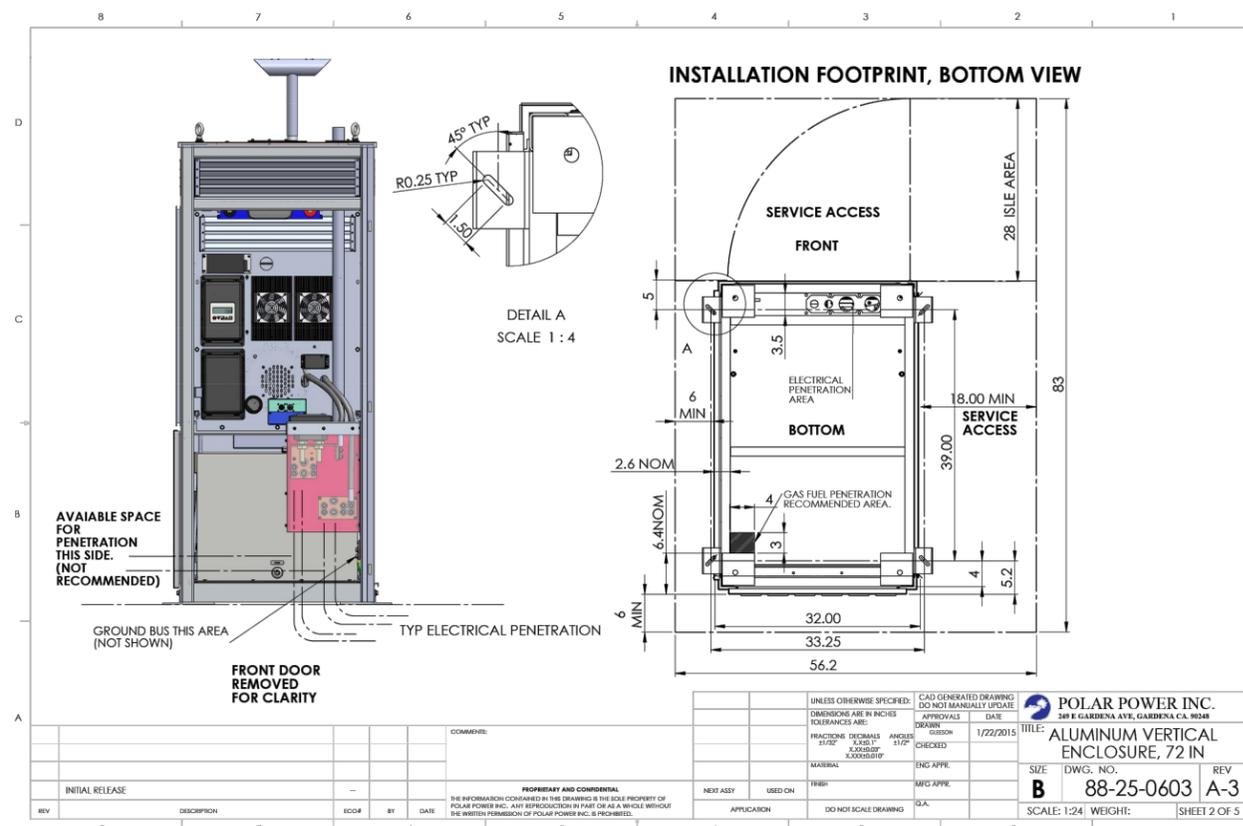
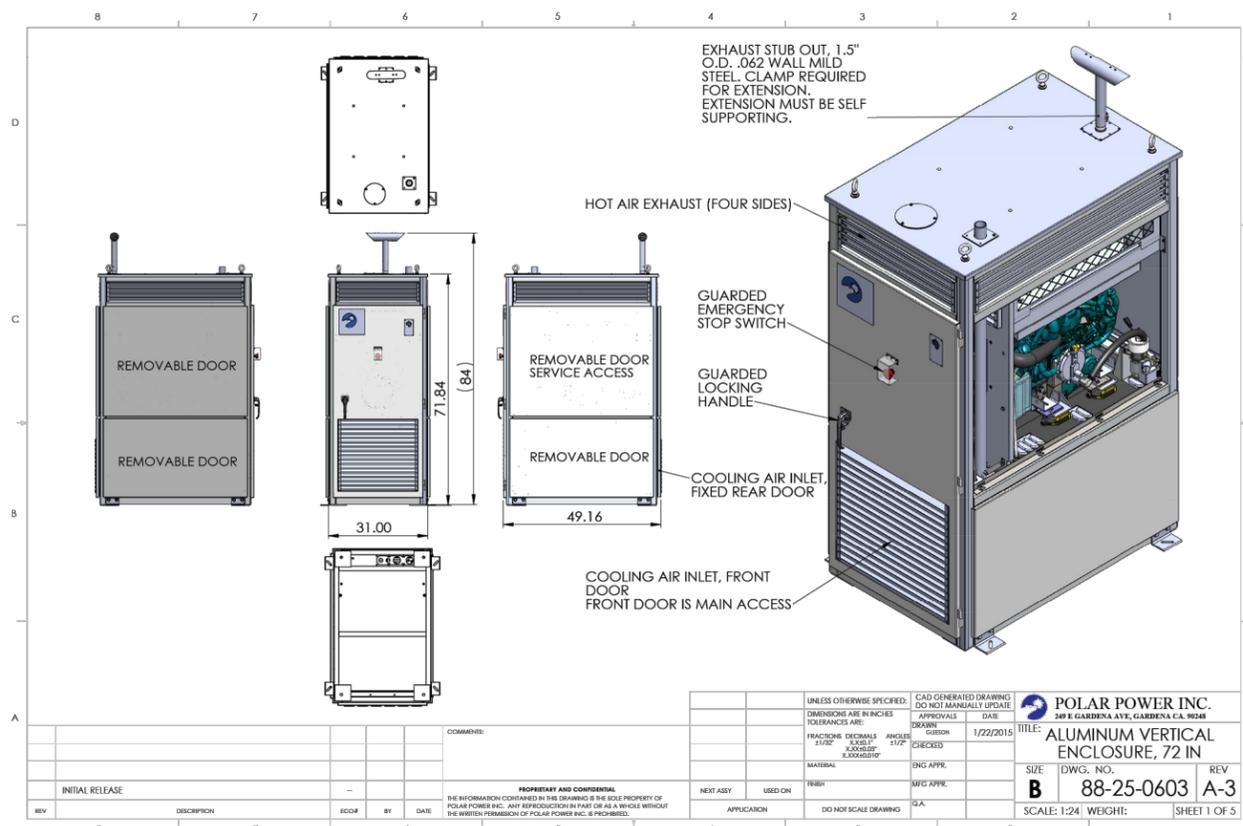
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1	08/06/2025	90% CD REVIEW	AP
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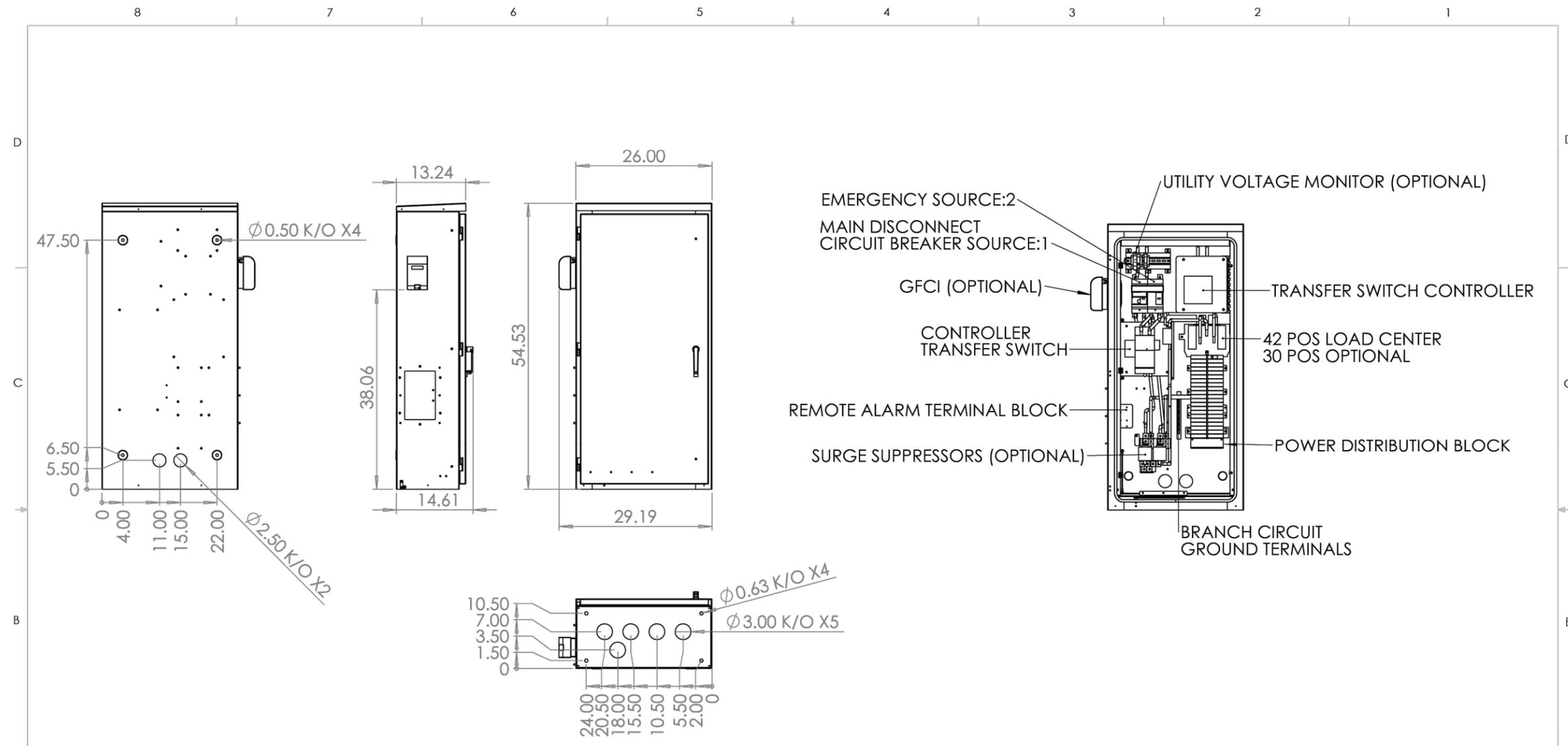
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NOTES:
 1. ALL COMPONENTS AND MATERIALS MUST BE RoHS COMPLIANT. RoHS CERTIFICATION TO BE PROVIDED.
 2. THE I12200-30_42-ATS-3R_REVA.PDF DRAWING IS THE CONTROLLING DOCUMENT FOR PART IDENTIFICATION ONLY. REFER TO THE BOM CONTAINED WITHIN THE .PDF DRAWING FOR COMPONENT PART IDENTIFICATION AND APPLICABLE REVISION. REFER TO MANUFACTURING DOCUMENTATION OF INDIVIDUAL COMPONENTS FOR CREATION OF ALL PARTS.
 3. FOR TORQUE REQUIREMENTS OF FASTENERS ATTACHED TO PEMS, REFER TO TORQUE RECOMMENDATIONS OF CORRESPONDING PEM IN PEM CATALOG.
 4. QUANTITIES FOR CONSUMABLE ITEMS SUCH AS LIQUIDS AND TAPE ARE ESTIMATED.
 5. INTERNAL ASSEMBLY DOCUMENTATION IS NOT MANAGED BY REVISION. IN THE EVENT OF CONFLICTING DOCUMENTATION, ALWAYS REFER TO THE MOST RECENT PDF PUBLICATION.
 THE MODEL DEPICTED IN THE PRIMARY VIEW OF THIS DRAWING IS: 04-01331, REV -. IF THE PART NUMBER OR REVISION DIFFERS BETWEEN THE PRIMARY VIEW, THE BOM, THE TITLE BLOCK OR ANY ANNOTATION, CONTACT PREMIER MFG. DUE TO DYNAMIC CONTENT ON THIS SHEET, ALWAYS REFER TO THE .PDF FILE OF THIS DRAWING FOR ACCURATE INFORMATION.

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES: FRACTIONAL: ± 1/32 ANGULAR: ± 1° .X ± .100 .XX ± .020 .XXX ± .005	PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF PREMIER MANUFACTURING. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF PREMIER MFG. IS PROHIBITED.			Cottage protection. Integrated solutions.
	TITLE: CONFIG, PTLIC, ATS, 1-PHASE, 30 / 42-POS LOAD CENTER, SS-SURGE, 54X26X12, 0.090 5052-H32 ALM			
THIRD ANGLE PROJECTION DO NOT SCALE DRAWING	DRAWN BY: Francesco DRAWN DATE: 3/4/2024	SIZE: B DWG. NO.: I12200-30_42-ATS-3R	REV: A SCALE: 1:18 SHEET 1 OF 1	



CMC74-36EE Equipment Cabinet



The cabinet is designed to combine wireless telecom power equipment. Supports a wide range of DC power systems, Fiber slack tray, cell site routers, and servers equipped by customer. This cabinet provides mechanical and environmental protection for the equipment inside. Cooling of active equipment is achieved by DC rated 4000W Air Conditioner with built in EVS (Emergency Ventilation System).

- Excellent Thermal Performance on both Heat Exchanger and Air Conditioner options
- Built-in EVS (Emergency Ventilation System) on the Air Conditioner
- Provide enough space for the Power system and other network servers.
- Provide option for security/access control via Puck Lock system.
- Provide flexible access for the cable entrance.
- Provide liftoff rear door panel for full rear access
- Provide heater solution for the cold ambient application.
- Provide flexible configurations to give best in class maximum equipment rack mounting space (Up to 49 total RU)
- Platform products to share many parts including plinth, solar shield, and hybrid cable storage units.
- Excellent cable management system.

Deactivated PN# 760254282	(HVAC R134a)
Replacement PN# 74B0-D17-A00D00-01	(HVAC R513a)

General Specifications

Width / Depth / Height	36" x 37" x 74"
Enclosure Weight	640kg (141lbs.)
Access	Bottom: Power compartment Side Wall: Fiber, Power, or other cables compartment Rear Wall: Hybrid Cables Top Roof: Alternative Hybrid Cable entrance
Door Security	Front door: Swing Handle, Puck Lock System Rear door: Quarter Turn Lock with lift off hinges, Puck Lock System
Cooling Option	DC Rated 4000W Air Conditioner Or 420W/k Thermosiphon unit for equipment compartment
Heater	500W built in Air Conditioner
Total Equipment Thermal Capacity	4000W
Finish	UV-resistant powder coat; standard finish color is RAL 7035 light grey
Material Type	Aluminum



CMC74-36EE Equipment Cabinet

Rack Type	19-inch and 23-inch EIA
Rack Units (RU)	Total capacity: 49RU (Horizontal 40RU + Vertical 9RU) Power System Fiber Slack Tray Other Customer installed Equipment
Battery Type	3 strings of VRLA batteries from Multiple OEM
Electrical Specifications	
Power System	Universally supports multiple -48VDC OEM Power Plants and Distribution
GFCI Outlet	20AMP, 125Volt Receptacle/Outlet, Compliant with UL943 Self-Test Requirement
Input Power Supply	Big Range of AC Input Voltage 95-305Vac, Support Variations of +/-10%
Alarms and Sensors	66-block, Bridged, 25PR*2 or standard and user defined alarms HVAC alarms (including high temperature, Failure) Door open (both front and side doors) Rectifier Failure AC Power Failure Overheat
Battery Compartment	2 battery shelves that can house up to 3 strings of -48V batteries

Connectivity Specifications

Fiber Slack Tray	Universally supports multiple OEM 19" mounted fiber tray
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Mechanical Specifications

Mounting	Mounts directly to concrete block (to be prepared on site) or alternative Plinth
-----------------	--

Environmental Specifications

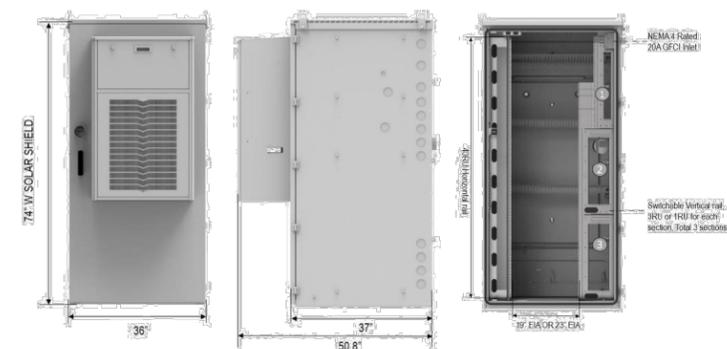
Operating Temperature	-40 °F to 115 °F (-40 °C to 46 °C) continuous operation
Storage Temperature	-40 °F to 158 °F (-40 °C to 70 °C)
Humidity	0 to 95%, non-condensing
Acoustic Noise	60dBA
Qualification Standards	GR4871 Seismic Zone 4 compliant IP55
Classification	Designed, manufactured and/or distributed under this quality management system

Agency	ISO 9001:2015
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CMC74-36EE Equipment Cabinet

Cabinet Layout



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EQUIPMENT CABINET SPECIFICATIONS

SCALE: NTS



CMC74-36B Battery Cabinet, NICAD



The cabinet is designed to accommodate 6 strings of -48V NICAD batteries into one cabinet. This cabinet provides mechanical and environmental protection for the equipment inside. Thermal regulation of batteries is achieved by DC rated 1000W heater.

- Excellent thermal performance to ensure the battery could be applied in harsh environments.
- Provide option for security/access control via Puck Lock system.
- Provide flexible access for the cable entrance.
- Provide lift-off rear door panel for full rear access
- Provide flexible heater solution for the cold ambient application.
- Platform products to share many parts including plinth, solar shield, and hybrid cable storage units.
- Excellent cable management system.

Deactivated PN# 760250963
 Replacement PN# 74B6N-D19-A00D00-1

General Specifications

Width / Depth / Height	36" x 37" x 74"
Enclosure Weight	448kg(987lbs.)
Access	Bottom: Power compartment Side Wall: Fiber, Power, or other cables compartment Rear Wall: Hybrid Cables Top Roof: Alternative Hybrid Cable entrance
Door Security	Front door: Swing Handle, Puck Lock System Rear door: Quarter Turn Lock with lift off hinges, Puck Lock System
Thermal Option	DC Rated 1000W Heater Battery Compartment
Heater	1000W
Total Equipment Thermal Capacity	1000W
Finish	UV-resistant powder coat; standard finish color is RAL 7035 light grey
Material Type	Aluminum
Battery Type	6 strings of -48V NICAD batteries from SAFT OEM (Batteries not supplied by ANDREW)



CMC74-36B Battery Cabinet, NICAD

Electrical Specifications

GFCI Outlet	20AMP, 125Volt Receptable/Outlet, Compliant with UL943 Self-Test Requirement
Input Power Supply	Big Range of AC Input Voltage95-305Vac, Support Variations of +/-10% S2 module, 20P or standard and user defined alarms HVAC alarms (including high temperature, Failure) Door open (both front and side doors) Rectifier Failure AC Power Failure Overheat
Alarms and Sensors	
Battery Compartment	6 strings of -48V NICAD batteries from SAFT OEM (Batteries not supplied by ANDREW)

Mechanical Specifications

Mounting	Mounts directly to concrete block (to be prepared on site) or alternative Plinth
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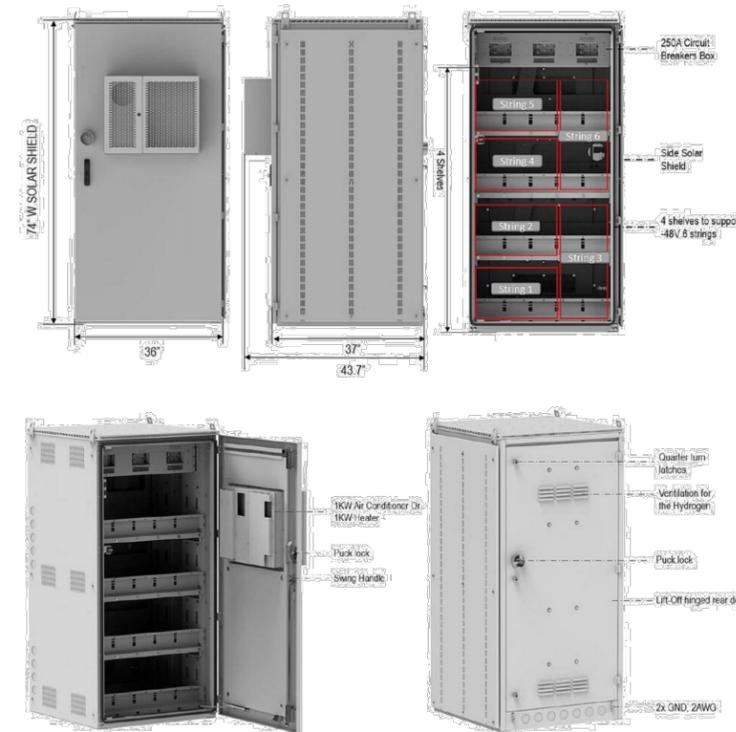
Environmental Specifications

Operating Temperature	-40 °F to 115 °F (-40 °C to 46 °C) continuous operation
Storage Temperature	-40 °F to 158 °F (-40 °C to 70 °C)
Humidity	0 to 95%, non-condensing
Acoustic Noise	60dBA
Qualification Standards	GR487 Seismic Zone 4 compliant IP55 ETL4007237 Certification, Confirms To ANSI/UL STD 62638-1, UL SUB 1801
Classification	Designed, manufactured and/or distributed under this quality management system
Agency	ISO 9001:2015 



CMC74-36B Battery Cabinet, NICAD

Cabinet Layout



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GENERAL NOTES

1. SUBMITTAL OF BIO INDICATES CONTRACTOR IS COGNIZANT OF ALL JOB SITE CONDITIONS AND WORK TO BE PERFORMED UNDER THIS CONTRACT.
2. CONTRACTOR SHALL PERFORM ALL FIELD VERIFICATION AND EXAMINATION WORK PRIOR TO THE ORDERING OF THE ELECTRICAL EQUIPMENT AND THE ACTUAL CONSTRUCTION. CONTRACTOR SHALL ISSUE A WRITTEN NOTICE OF ALL FINDINGS TO THE ENGINEER AND OWNER LISTING ALL MALFUNCTIONS, FAULTY, EQUIPMENT, AND DISCREPANCIES.
3. THESE PLANS ARE SCHEMATIC ONLY; CONTRACTOR SHALL FOLLOW AS CLOSELY AS POSSIBLE.
4. ANTENNA MOUNTING HEIGHTS AND AZIMUTHS SHALL BE VERIFIED WITH OWNER PRIOR TO INSTALLATION.
5. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT, INSTALLATION, CONSTRUCTION TOOLS, TRANSPORTATION, ETC., FOR A COMPLETE AND PROPERLY OPERATIVE SYSTEM ENERGIZED THROUGHOUT AND AS INDICATED ON DRAWINGS, AS SPECIFIED HEREIN AND/OR AS OTHERWISE INDICATED. NOTE THAT CONTRACTOR SHALL SECURE ALL NECESSARY ELECTRICAL PERMITS, AND PAY ALL REQUIRED FEES.
6. IF REQUIRED, CONTRACTOR SHALL COORDINATE WITH LOCAL UTILITY COMPANY FOR CONNECTION OF TEMPORARY AND PERMANENT POWER TO THE SITE. THE TEMPORARY POWER AND ALL HOOK-UP COSTS SHALL BE PAID BY THE CONTRACTOR.
7. ALL MATERIALS AND EQUIPMENT SHALL BE (N) AND IN PERFECT CONDITION WHEN INSTALLED AND SHALL BE OF THE BEST GRADE AND OF THE SAME MANUFACTURER THROUGHOUT FOR EACH CLASS OR GROUP OF EQUIPMENT. EXCEPTIONS TO THIS MAY BE PERMITTED IF (N) REPLACEMENT BREAKERS OR SWITCHES ARE NOT AVAILABLE FOR ORIGINAL ELECTRICAL DISTRIBUTION EQUIPMENT -- ON THAT CASE. RECONDITIONED EQUIPMENT MAY BE PERMISSIBLE IF IT CARRIES ONE (1) YEAR WARRANTY. MATERIALS SHALL BE LISTED AND APPROVED BY UNDERWRITER'S LABORATORY AND SHALL BEAR THE INSPECTION LABEL "J" WHERE SUBJECT TO SUCK APPROVAL. Materials SHALL MEET WITH APPROVAL OF THE DIVISION OF INDUSTRIAL SAFETY AND ALL GOVERNING BODIES HAVING JURISDICTION. MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH APPLICABLE STANDARDS ESTABLISHED BY ANSI, NEMA, AND NBFU.
8. IF CONTRACTOR IS PROPOSING ALTERNATE MATERIALS OR CONSTRUCTION METHODS FROM WHAT IS SPECIFIED IN THE PLANS, CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND/OR CATALOG CUT-SHEETS TO OWNER FOR APPROVAL PRIOR TO COMMENCEMENT OF THE WORK.
9. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH CURRENT NATIONAL CODES (NEC2014) AND ALL LOCAL AND STATE CODES (CEC 2016), LAWS, AND ORDINANCES. PROVIDE ALL COMPONENTS AND WIRING SIZES AS REQUIRED TO MEET NEC.
10. EACH CONDUCTOR OF EVERY SYSTEM SHALL BE PERMANENTLY TAGGED IN EACH PANELBOARD, PULLBOX, J-BOX, SWITCH BOX, ETC., IN COMPLIANCE WITH OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (O.S.H.A.) REQUIREMENTS.
11. COMPLETE JOB SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR AFTER THE DATE OF JOB ACCEPTANCE BY OWNER, ANY WORK, MATERIAL OR EQUIPMENT FOUND TO BE FAULTY DURING THAT PERIOD SHALL BE CORRECTED AT ONCE, UPON WRITTEN NOTIFICATION, AT THE EXPENSE OF THE CONTRACTOR.
12. CLEAN WORK SITE DAILY, AND REMOVE ALL DEBRIS RESULTING FROM CONSTRUCTION. LEAVE JOB SITE IN A TIDY AND UNDAMAGED CONDITION.
13. UPON COMPLETION OF WORK, PERFORM CONTINUITY, SHORT CIRCUIT, AND GROUNDING TEST. GROUNDING SYSTEM SHALL BE TESTED BY INDEPENDENT TESTING AGENCY, WITH WRITTEN REPORT SUBMITTED TO THE OWNER FOR REVIEW AND APPROVAL. AFTER APPROVAL, FURNISH ONE COPY OF REPORT TO ENGINEER.
14. PROVIDE OWNER WITH ONE SET OF COMPLETE ELECTRICAL "AS BUILT" DRAWINGS AT THE COMPLETION OF THE JOB, SHOWING ACTUAL EQUIPMENT LOCATIONS, CONDUIT/CABLE ROUTING, PANEL SCHEDULE, AND OTHER DETAILS WITHIN 10 DAYS OF PROJECT COMPLETION. DATE OF JOB COMPLETION SHALL BE THE DATE ON THE CONTRACTOR'S "NOTICE OF COMPLETION" SUBMITTED TO THE OWNER, AFTER SITE INSPECTION AND SIGNOFF BY OWNER.
15. ALL BROCHURES, OPERATING MANUAL, CATALOGS, SHOP DRAWINGS, ETC. SHALL BE TURNED OVER TO OWNER AT JOB COMPLETION.
16. ALL CIRCUIT BREAKERS, FUSES AND ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTING RATING NOT LESS THAN THE MAXIMUM SHORT CIRCUIT CURRENT TO WHICH THEY MAY BE SUBJECTED, AND A MINIMUM OF 10,000 A.I.C.
17. PATCH, REPAIR AND PAINT ANY AREA THAT HAS BEEN DAMAGED IN THE COURSE OF THE ELECTRICAL WORK.
18. IN DRILLING HOLES INTO CONCRETE WHETHER FOR FASTENING OR ANCHORING PURPOSED THOROUGH THE FLOOR OR WALLS FOR CONDUIT RUNS, PIPE RUNS, ETC., IT MUST CLEARLY UNDERSTOOD THAT TENDONS AND/OR REINFORCING STEEL WILL NOT BE DRILLED INTO, CUT, OR DAMAGED UNDER ANY CIRCUMSTANCES.
19. EXACT LOCATION OF TENDONS AND/OR REINFORCING STEEL ARE NOT KNOWN AND THEREFORE MUST BE SEARCHED FOR BY APPROPRIATE METHODS, SUCH AS X-RAY EQUIPMENT OR OTHER DEVICES THAT CAN ACCURATELY LOCATE THE REINFORCING AND/OR STEEL TENDONS.
20. ALL EXTERIOR WALL PENETRATIONS SHALL BE SEALED WITH SUITABLE WEATHERPROOF SEALANT. PENETRATIONS IN FIRE RATED WALLS SHALL BE FIRE STOPPED IN ACCORDANCE WITH CURRENT LOCAL BUILDING CODES USING U.L. RATED MATERIALS.
21. ALL CONDUCTORS SHALL BE COPPER, #12 AWG MINIMUM. UNLESS NOTED OTHERWISE, INSULATION SHALL BE 90°C RATED, AND DUAL RATED THHN/THWN-2. NO BX OR ROMEX CABLE IS PERMITTED UNLESS SPECIFICALLY NOTED OTHERWISE ON DRAWINGS.
22. ALL CONDUIT ONLY (C.O.) RUNS SHALL HAVE A PULL WIRE OR ROPE, AND TRUE TAPE.
23. GROUND THE ENTIRE ELECTRICAL SYSTEM IN ACCORDANCE WITH THE NEC AND DRAWINGS. BELOW GRADE GROUND CONDUCTORS SHALL BE #2 AWG SOLID BARE TINTED COPPER. ABOVE GRADE, ALL CONDUCTORS SHALL BE STRANDED GREEN INSULATED COOPER, SEIZED #2 AWG OR AS SHOWN IN THE DRAWINGS. GROUND CONDUCTOR SHALL HAVE A MINIMUM 24" BENDING RADIUS. GROUND RODS SHALL BE COPPER CLAD STEEL, 5/8" ROUND AND 8' LONG. GROUNDING HARDWARE SHALL BE ERICO, STORM COPPER COMPONENTS, FUSHI COPPERWELD OR APPROVED EQUAL.
24. GROUND ALL ANTENNA BASES, ENCLOSURES, FRAMES, CABLE RUNS, AND OTHER METALLIC COMPONENTS USING GROUND WIRES AND CONNECT TO THE BUS BARS. FOLLOW EQUIPMENT MANUFACTURER'S RECOMMENDATIONS FOR GROUNDING. GROUND COAX SHIELD AT BOTH ENDS USING CABLE MANUFACTURER'S RECOMMENDATIONS.
25. THE NUMBER OF GROUNDING BARS MAY VARY DEPENDING UPON THE SITE LAYOUT, ANTENNA LOCATION, AND OTHER FACTORS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING SUFFICIENT GROUNDING BARS AS REQUIRED, PROVIDING 50% SPARE CONNECTION POINTS.
26. EXOTHERMIC WELDS SHALL INCLUDE ALL CABLE TO CABLE, SPLICES, CABLE TO GROUND RODS, GROUND ROD SPLICES AND OTHER SYSTEMS AS INDICATED. ALL MATERIALS USED (MOLDS, WELDING, METAL, ETC.) SHALL BE INSTALLED PER MANUFACTURERS' RECOMMENDATIONS AND PROCEDURES. ALL EXOTHERMIC WELD CONNECTIONS ON GALVANIZED SURFACES SHALL BE CLEANED THOROUGHLY AND COLORED TO MATCH SURFACE WITH (2) TWO COATS OF GALVITE (WHITE) PAINT OR SILVERBRITE (ALUMINUM).
27. ALL STRANDED COPPER WITH GREEN INSULATION TO BE ATTACHED WITH CRIMPED DOUBLE LUG, ATTACHED WITH NUTS, BOLTS AND STAR WASHERS TYPICAL. ALL MECHANICAL CONNECTIONS SHALL HAVE ANTI-OXIDANT GREASE (E.G. NO-OX) APPLIED BETWEEN LUG AND BUS BAR.
28. ALL EXPOSED TINNED COPPER GROUNDS SHALL BE PROTECTED BY 1/2" PVC CONDUIT AND SECURED. WHERE SUBJECT TO MECHANICAL DAMAGE, OTHER GROUND LEADS SHALL ALSO BE ENCLOSED IN 1/2" OR 3/4" LTFC.
29. COMPRESSION FITNESS TO BE USED ON ALL CONDUITS (NO SETSCREWS).
30. PVC CONDUIT INSTALLED IN OUTDOOR LOCATIONS SUBJECT TO SUNLIGHT EXPOSURE SHALL BE UV RESISTANT. SURFACE-MOUNTED CONDUIT INSTALLED IN LOCATIONS SUBJECT TO FOOT TRAFFIC OR OTHER WEAR AND TEAR, SHALL BE PVC SCHEDULE 80, IMC, OR GRC. CONDUIT RUNS ALONG WALLS OR FLOORS SHALL BE SURFACE MOUNTED UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. OTHER CONDUIT REQUIREMENTS:
 - 30.a. INTERMEDIATE METALLIC CONDUIT (IMC) SHALL HAVE U.L. LABEL. FITTINGS SHALL BE WATERTIGHT COMPRESSION TYPE. IMC SHALL BE USED FOR OUTDOOR RUNS, IMC IN CONTACT WITH EARTH SHALL BE 1/2 LAPPED WRAPPED WITH HUNTS WRAP PROCESS NO. 3
 - 30.b. ELECTRICAL METALLIC TUBING (EMT) SHALL HAVE U.L. LABEL. FITTINGS SHALL BE GLAND RING COMPRESSION TYPE. EMT SHALL BE USED ONLY FOR INTERIOR RUNS.
 - 30.c. FLEXIBLE METALLIC CONDUIT SHALL HAVE U.L. LISTED LABEL AND MAY BE USED WHERE PERMITTED BY CODE. FITTINGS SHALL BE "JAKE" OR "SQUEEZE" TYPE. LENGTH SHALL HAVE FULL SIZE GROUND WIRE.
 - 30.d. ALL UNDERGROUND CONDUIT SHALL BE PVC SCHEDULE 40 (UNLESS NOTED OTHERWISE) AT A MINIMUM DEPTH OF 24" BELOW GRADE.
31. ALL (N) ELECTRICAL ENCLOSURES (EXCEPT FOR JUNCTION OR SPLICE BOXES) SUCH AS PANELBOARDS AND DISCONNECT SWITCHES SHALL BE LABELED WITH PERMANENT ENGRAVED PHENOLIC NAMEPLATES, BLACK WITH WHITE LETTERING, AND ATTACHED WITH RIVETS.

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ABBREVIATIONS

AAV	ALTERNATE ACCESS VENDOR	GR	GROWTH (CABINET)	UADU	UNIVERSAL TYPE A DIGITAL UNIT
ACCA	ANTENNA CABLE ASSEMBLY	GRC	GALVANIZED RIGID (STEEL) CONDUIT	U/G	UNDERGROUND
AFF	ABOVE FINISHED FLOOR	IGB	INTERNAL GROUND BAR	WP	WEATHERPROOF
AFG	ABOVE FINISHED GRADE	IGR	INTERIOR GROUND BAR	WW	WIREWAY
AWS	ADVANCED WIRELESS SERVICES	IMC	INTERMEDIATE METALLIC CONDUIT	XFMR	TRANSFORMER
A/G	ABOVE GROUND	ISCW	INSULATED STRANDED COPPER WIRE		
AGB	ANTENNA GROUND BAR	LTE	LONG TERM EVOLUTION		
ATS	AUTOMATIC TRANSFER SWITCH	LTFC	LIQUID TIGHT FLEXIBLE CONDUIT		
AWG	AMERICAN WIRE GAUGE	MGB	MAIN (OR MASTER) GROUND BAR		
BBU	BASEBAND UNIT	MMBS	MULTI-MODE BASE STATION		
BCW	BARE COPPER WIRE	MTS	MANUAL TRANSFER SWITCH		
BSCW	BARE STRANDED COPPER WIRE	NEC	NATIONAL ELECTRIC CODE		
BTCW	BARE TINNED COPPER WIRE	NID	NETWORK INTERFACE DEVICE		
C	CONDUIT	NV	NETWORK VISION		
CAB	CABINET	O/H	OVERHEAD		
CE	CONCRETE ENCASED	PCS	PERSONAL COMMUNICATION SERVICES		
CGB	COLLECTOR GROUND BAR	PPC	POWER PROTECTION CABINET		
CKT	CIRCUIT	PRC	PRIMARY RADIO CABINET		
COVP	CAPACITOR OVERVOLTAGE PROTECTION	PVC	POLYVINYL CHLORIDE		
DB	DIRECT BURIED	PWR	POWER		
DEI	DIGITAL EXPANSION INTERFACE	RGS	RIGID GALVANIZED STEEL		
DISC	DISCONNECT	RRH	REMOTE RADIO HEAD		
EMT	ELECTRICAL METALLIC TUBING	RRU	REMOTE RADIO UNIT		
GFCI	GROUND FAULT CURRENT INTERRUPTER	SPD	SURGE PROTECTIVE DEVICE		
G	GROUND	S/S	STAINLESS STEEL		
GND	GROUND	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR		
GPS	GLOBAL POSITIONING SYSTEM	TYP	TYPICAL		

ELECTRICAL LEGEND

SYMBOLS:

----	CONDUIT - CONCEALED
---	CONDUIT - EXPOSED
	CONDUIT AND WIRE. FULL HASH MARK - CIRCUIT WIRE. HALF HASH MARK - BOND WIRE. (G)
→ BTS-2,4	HOME RUN TO PANEL. E.G. PANEL BTS CIRCUITS 2 & 4.
⊕	20 AMP 125V DUPLEX RECEPTACLE HUBBELL #5362 1
⊕	20 AMP 125V QUADPLEX RECEPTACLE HUBBELL #5362 1
⊕ GFI	20 AMP 125V DUPLEX GROUND FAULT INTERRUPT RECEPTACLE HUBBELL #GF5362 1
[]	FUSED DISCONNECT SWITCH
WP	WEATHERPROOF
UON	UNLESS OTHERWISE NOTED
M ²	20 AMP 120/277V SINGLE POLE SWITCH. HUBBELL #HBL 1221 1, +48" M = MOTOR/ HORSEPOWER RATED 2 = 2 POLE
30-2	CURRENT CARRYING CAPACITY AND NO. OF POLES OF IDENTIFIED DEVICE. EXAMPLE 30 AMP 2 POLES
Sab	LIGHTING SWITCH 20 AMP, 120/277V, SINGLE POLE, HUBBELL #HBL 1221, +48"
Self	OVERRIDE OFF LIGHTING SWITCH

NOTES:

1. SMOKE DETECTOR TO SHUT DOWN A/C UNITS WHEN ACTIVATED
2. ALL INTERIOR RECEPTACLES AND SWITCHES SHALL BE SURFACE MOUNTED
3. LABEL ALL BOXES AND CIRCUITS AS REQUIRED BY VERIZON
4. AC UNITS WILL NOT OPERATE AT THE SAME TIME

BRIGHTON

MACRO

PROJECT ID: 17344152
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BURBANK, CA 91504

CONSTRUCTION DRAWINGS

SHEET TITLE:

ELECTRICAL NOTES,
ABBREVIATIONS &
ELECTRICAL LEGEND

E-1

NOTES:

1. THE WIRELESS COMMUNICATION FACILITY COMPLIES WITH FEDERAL STANDARDS FOR RADIO FREQUENCY IN ACCORDANCE WITH THE TELECOMMUNICATION ACT OF 1996 AND SUBSEQUENT AMENDMENTS AND ANY OTHER REQUIREMENTS IMPOSED BY STATE OR FEDERAL REGULATORY AGENCIES.
2. NO EXISTING PARKING STALLS ARE BEING ADDED OR REMOVED AS PART OF THE NEW INSTALLATION.
3. THE BELOW GRADING INFORMATION IS AN ESTIMATE:
 - TRENCH IS TO BE 3'-0" DEEP AND 16" WIDE - ALL SPOILS TO BE PLACED BACK INTO TRENCH & COMPACTED TO 90%
 - CONCRETE FOOTING IS TO BE 18 YARDS WITH A 5'-0" DIA.
 - CONCRETE PAD IS TO BE 9 YARDS TOTAL DISPLACEMENT - HALF ABOVE GRADE; DIRT TO BE IMPACTED 5 YARDS UNDER
 - ALL SPOILS TO BE REMOVED FROM PROJECT SITE

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- (N) VZW ROOF HYBRID CABLE PATH ALONG WALL ABOVE RAMP
- ALPHA ±37'
- BETA ±36'
- GAMMA ±35'
- MICROWAVE ±35'

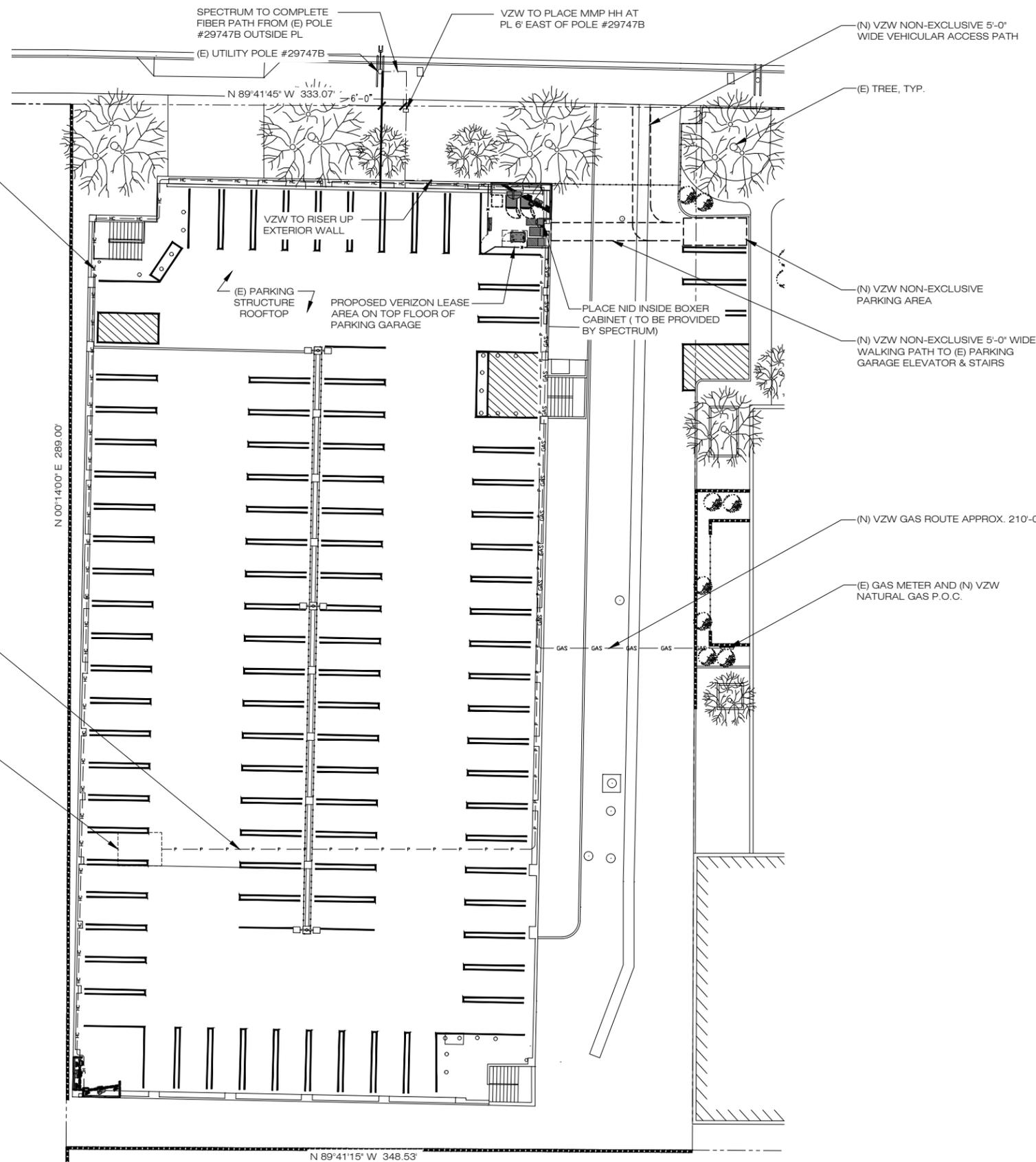
LEGEND

- PROPERTY LINE - SUBJECT PARCEL
- - - EXISTING SETBACK LINE
- - - EXISTING FENCE LINE
- - - EXISTING ROAD
- ▨ EXISTING BUILDING



(N) VZW POWER CONDUIT ROUTED THROUGH CEILING OF (E) PARKING GARAGE TO VERIZON EQUIPMENT, APPROX. 280'

(N) VZW POWER P.O.C.: (N) VZW WATTNODE AT ILC FED FROM (N) 100A BREAKER IN (E) PANEL HA 400AMP 277/480V LOCATED IN (E) ELECTRICAL ROOM ON GROUND FLOOR



UTILITY ROUTE PLAN

24"x36" SCALE: 1/8" = 1'-0"
11"x17" SCALE: 1/16" = 1'-0"
8' 6" 4' 2' 0" 8'



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**BRIGHTON
MACRO**

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CONSTRUCTION DRAWINGS

SHEET TITLE:

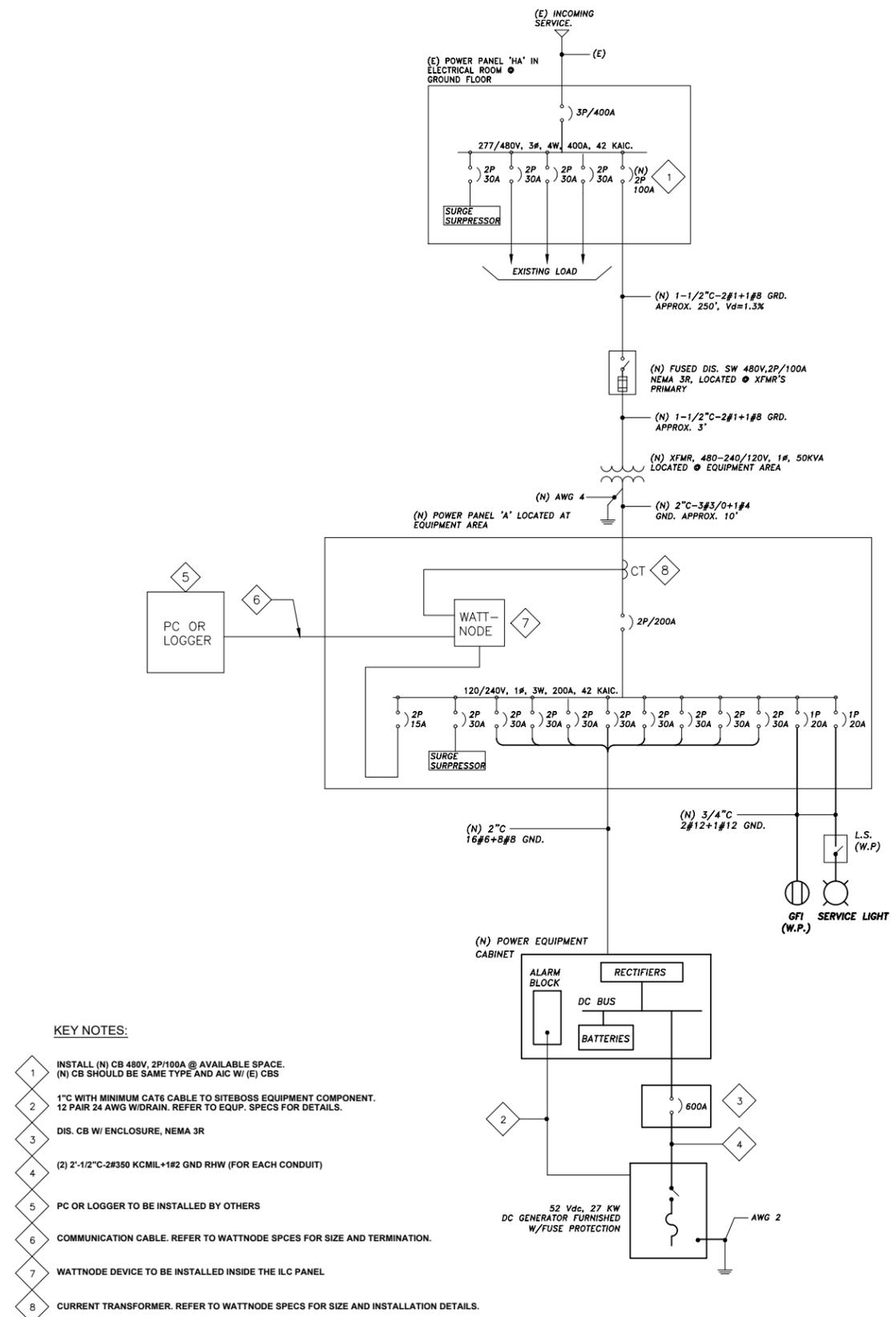
UTILITY ROUTE PLAN

E-2

PROPOSED 'ILC' PANEL 'A' SCHEDULE															
VOLTAGE:		120/240V		PHASE:		1		WIRE:		3					
MAIN CB:		200AMP		BUS RATING:		200AMPS		MENA:		3R,42 KAIC					
CKT NO.	LOAD DESCRIPTION	BREAKER AMPS	BREAKER POLES	BREAKER STATUS	SERVICE LOAD VA	USAGE FACTOR	PHASE A VA	PHASE B VA	USAGE FACTOR	SERVICE LOAD VA	BREAKER STATUS	BREAKER POLES	BREAKER AMPS	LOAD DESCRIPTION	CKT NO.
1	SURGE	30	2	ON	0	1.00	1800		1.00	1800	ON	2	30	RECTIFIER #1	2
3	-	-	-	ON	0	1.00	1800	1800	1.00	1800	ON	-	-	-	4
5	LIGHTS	20	1	ON	200	1.00	2000		1.00	1800	ON	2	30	RECTIFIER #2	6
7	GFCI	20	1	ON	180	1.00		1980	1.00	1800	ON	-	-	-	8
9	RECTIFIER 8	30	2	ON	1800	1.00	3600		1.00	1800	ON	2	30	RECTIFIER #3	10
11	-	-	-	ON	1800	1.00		3600	1.00	1800	ON	-	-	-	12
13	SPACE						1800		1.00	1800	ON	2	30	RECTIFIER #4	14
15							1800	1800	1.00	1800	ON	-	-	-	16
17							1800		1.00	1800	ON	2	30	RECTIFIER #5	18
19							1800	1800	1.00	1800	ON	-	-	-	20
21							1800		1.00	1800	ON	2	30	RECTIFIER #6	22
23							1800	1800	1.00	1800	ON	-	-	-	24
25							1800		1.00	1800	ON	2	30	RECTIFIER #7	26
27							1800	1800	1.00	1800	ON	-	-	-	28
29														SPACE	30
										TOTAL KVA			29.18		
										AMPS			121.58		

- NOTES:
- (E) LOAD CENTER INSIDE MCE EQUIPMENT CABINET THAT FED POWER TO THE RECTIFIERS TO BE REMOVED.
 - INSTALL NEW 'ILC' PANEL ON (E) WALL @ EQUIPMENT AREA.
 - (N) CBS IN 'ILC' PANEL WILL RE-FEED POWER TO (E) RECTIFIERS IN MCE EQUIP. CABINET.

1 PANEL SCHEDULE
SCALE: NTS



- KEY NOTES:
- INSTALL (N) CB 480V, 2P/100A @ AVAILABLE SPACE. (N) CB SHOULD BE SAME TYPE AND AIC W/ (E) CBS
 - 1" C WITH MINIMUM CAT6 CABLE TO SITEBOSS EQUIPMENT COMPONENT. 12 PAIR 24 AWG W/DRAIN. REFER TO EQUIP. SPECS FOR DETAILS.
 - DIS. CB W/ ENCLOSURE, NEMA 3R
 - (2) 2'-1/2" C-2#350 KCML+1#2 GND RHW (FOR EACH CONDUIT)
 - PC OR LOGGER TO BE INSTALLED BY OTHERS
 - COMMUNICATION CABLE. REFER TO WATTNODE SPECS FOR SIZE AND TERMINATION.
 - WATTNODE DEVICE TO BE INSTALLED INSIDE THE ILC PANEL
 - CURRENT TRANSFORMER. REFER TO WATTNODE SPECS FOR SIZE AND INSTALLATION DETAILS.

2 ELECTRICAL SINGLE LINE DIAGRAM
SCALE: NTS

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CONSTRUCTION DRAWINGS

SHEET TITLE:
SINGLE LINE DIAGRAM & PANEL SCHEDULE

E-3

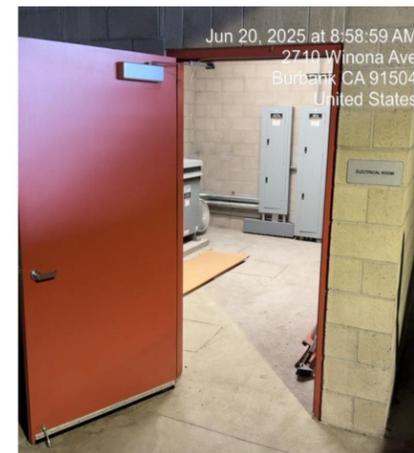
Brighton

LOAD STUDY
6/20/25 – 7/20/25

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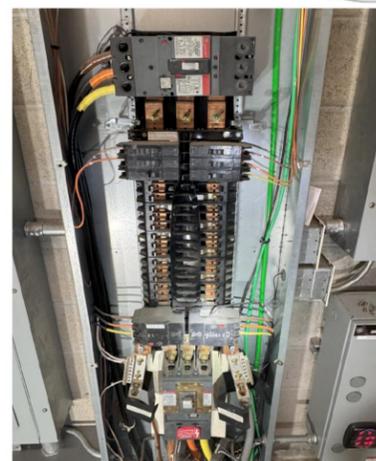
Entering electrical room



Center electrical panel 400-amp, 277/480 VAC



Main breaker rating 400 amp fed with
600 kcmil copper that has an ampacity of 400 amps



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SHEET TITLE:
LOAD STUDY
(FOR REFERENCE ONLY)

E-4

LOAD STUDY RESULTS

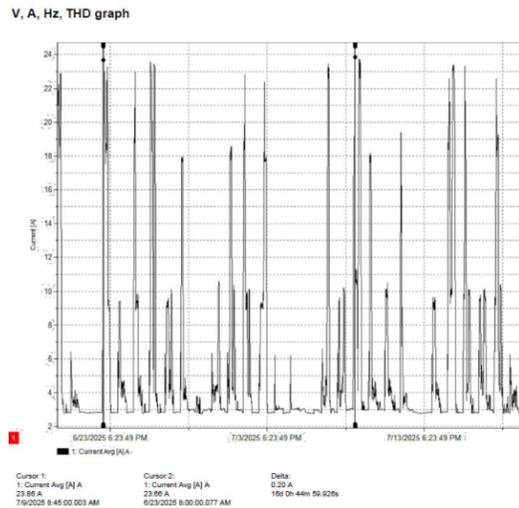
V, A, Hz, THD overview table

Parameter	Phase	Max	Linear Avg	Min
Voltage [V]	A	286.5 V	278.8 V	234.4 V
	B	284.1 V	276.9 V	186.4 V
	C	288.0 V	278.6 V	211.3 V
Current [A]	A	80.87 A	5.28 A	1.61 A
	B	46.57 A	4.34 A	1.46 A
	C	35.03 A	4.01 A	0.95 A
Frequency [Hz]	A	60.42 Hz	60.00 Hz	59.90 Hz
	B	60.42 Hz	60.00 Hz	59.90 Hz
	C	60.42 Hz	60.00 Hz	59.90 Hz
V THD [%]	A	4.4 %	1.9 %	0.8 %
	B	4.8 %	1.9 %	0.8 %
	C	3.8 %	1.7 %	0.8 %
A THD [%]	A	319.8 %	38.8 %	4.8 %
	B	275.9 %	34.1 %	2.8 %
	C	221.5 %	21.7 %	2.2 %

AS YOU SEE IN THE PICTURE UNDER CURRENT (PAGE 17 OF 18 OF THE STUDY) THE LINEAR AVERAGE FOR "A" PHASE IS **5.28 AMPS** THE LINEAR AVERAGE FOR "B" PHASE IS **4.34 AMPS**. THE LINEAR AVERAGE FOR "C" PHASE IS **4.01 AMPS** THIS STUDY WAS DONE WITH DEMAND INTERVAL AVERAGING EVERY 15 MINS AS SUGGESTED PER NEC CODE 220.87



LOAD STUDY RESULTS



TAKING A LOOK AT THE "A" PHASE GRAPH FROM THE STUDY (PAGE 14 OF 18 OF THE STUDY) WE SEE THAT THE THE MAX AVERAGE FOR "A" PHASE IS **23.86 AMPS (CURSOR:1)** THE SECOND HIGHEST AVERAGE FOR "A" PHASE IS **23.66 AMPS (CURSOR:2)** THIS STUDY WAS DONE WITH DEMAND INTERVAL AVERAGING EVERY 15 MINS ASSUGGESTED PER NEC CODE 220.87



POWER ANALYSIS:

- EQUATIONS AND BREAK DOWN
- Results from our load study reveal that the highest demand amperage recorded is **23.86** amps on "A" phase
- Our equipment has a rating of **400** amps.
- Our highest average load was 23.86 amps
- 23.86 amps x 1.25% = 29.825 amps
- 400 amps (panel and main breaker ampacity) – 29.825 = **370.175 amps available.**



SUMMARY

- The equipment rating is 400 amps with a highest average load of **23.86 amps** (on "A" phase)
- Under current conditions, **there is more than enough room to add a 100-amp breaker (for a 200 amp @ 120/240 VAC system) to this panel**



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CONSTRUCTION DRAWINGS

SHEET TITLE:
LOAD STUDY
(FOR REFERENCE ONLY)

E-5

NOTE: MINIMUM 12" RADIUS AT ALL BENDS IN GROUND LEADS AND RINGS

CONTRACTOR SHALL PERFORM GROUND RESISTANCE TEST AT "MGB" AND PERFORM FALL OF POTENTIAL TEST PER IEEE STANDARD NO. 81; SECTION 9.04 ON THE MAIN GROUNDING ELECTRODE TO VERIFY THAT RESISTANCE SHALL NOT EXCEED 5 OHMS AND SHALL SUBMIT AN INDEPENDENT TESTING REPORT INDICATING RESISTANCE VALUES OBTAINED.

NOTE:
PAD REBAR AND OTHER CARRIER EQUIPMENT PAD REMOVED FOR CLARITY

NOTE:
IF POSSIBLE ENCAPSULATE GROUND IN UTILITY PAD. IF NOT POSSIBLE USE CONDUIT ABOVE PAD.

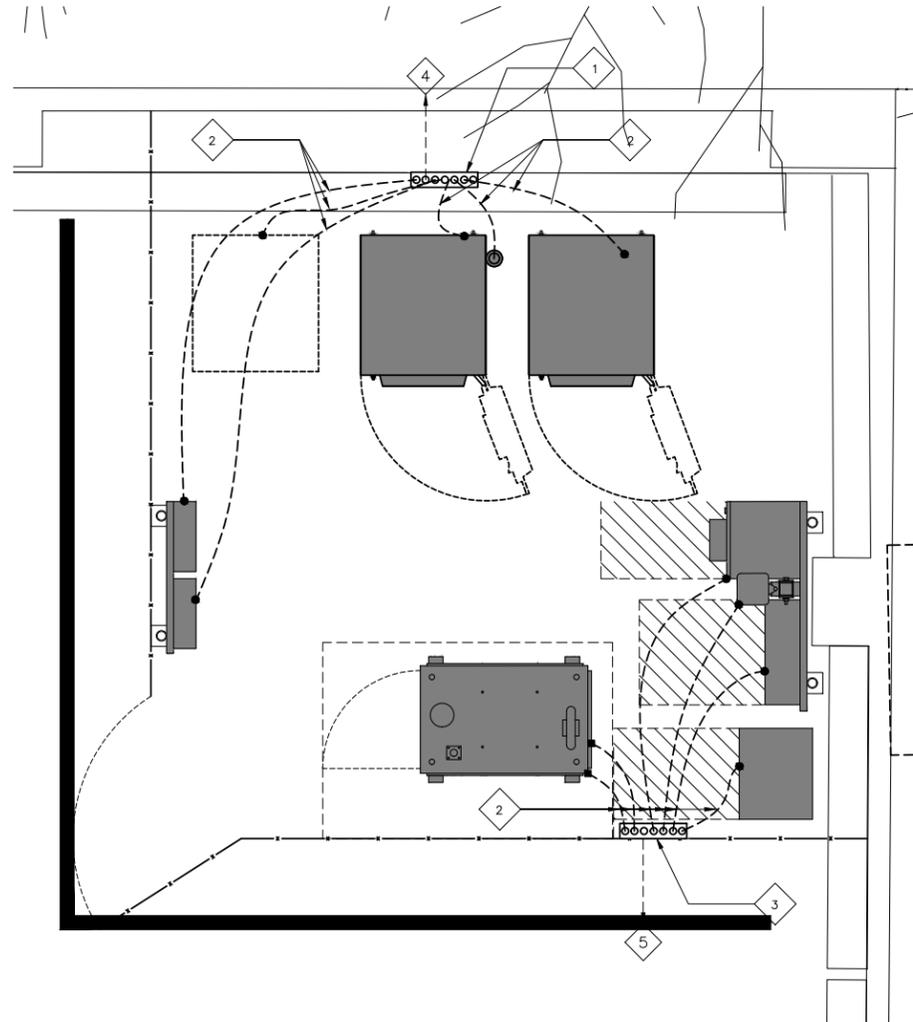
LEGEND:

- ⊗ GROUND ROD
- MECHANICAL GROUND CONNECTION
- CADWELD
- ⊠ GROUND ACCESS WELL, CIRCULAR CONCRETE BOX, 9"Ø x 12" HIGH WITH CONCRETE COVER - CAST LETTERS "GR ROD" IN COVER. (2 TOTAL)

----- GROUND CONDUCTOR

KEY NOTES:

- 1 (N) MASTER EQUIPMENT GROUND BAR
- 2 (N) AWG 2 INSULATED COPPER GROUND
- 3 (N) GROUND BAR AT UTILITY PANEL
- 4 (N) AWG 2 TO BLDG STEEL OR TO (E) BLDG SERVICE GROUND
- 5 (N) AWG 2 TO MASTER EQUIPMENT GROUND BAR

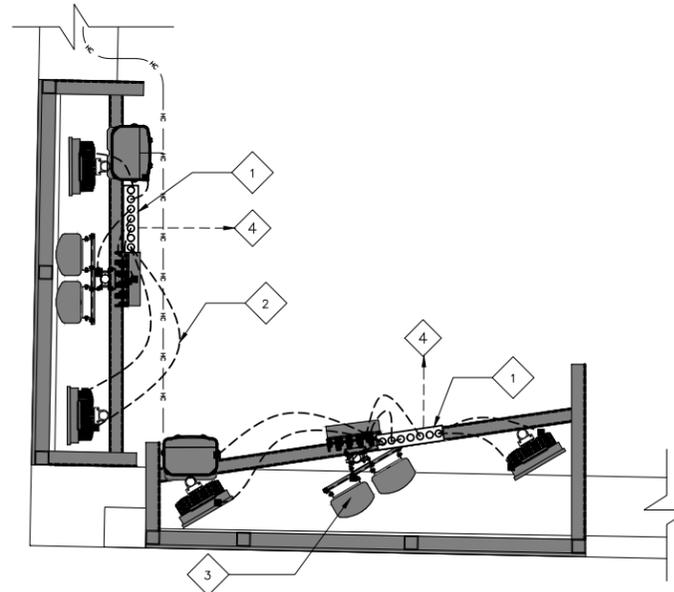
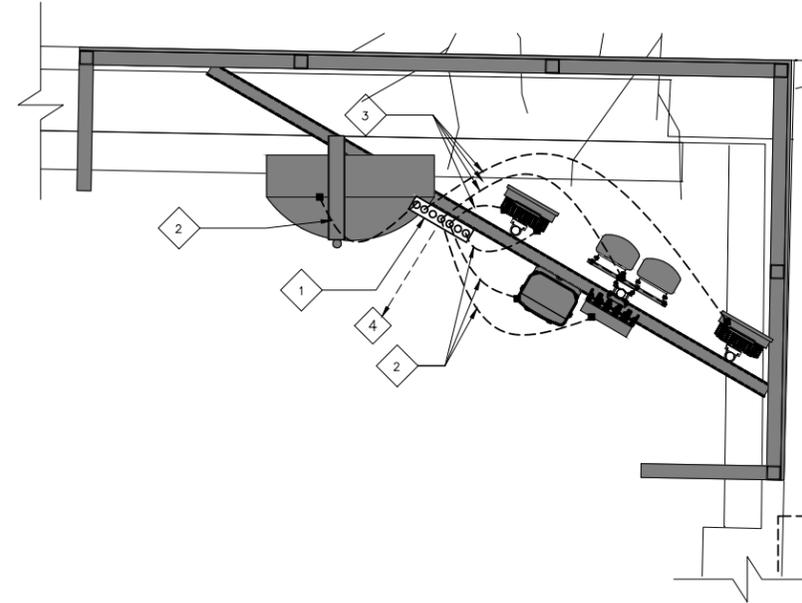


1 EQUIPMENT GROUNDING PLAN



KEY NOTES:

- 1 (N) ANTENNA GROUND BAR @ EACH SECTOR
- 2 (N) AWG 2 INSULATED COPPER GROUND WIRE FROM OVP, RRU, AND MW ANTENNA
- 3 (N) AWG 6 INSULATED COPPER GROUND FROM ANTENNA GROUND GROUND KIT
- 4 (N) AWG 2 INSULATED COPPER GROUND TO MASTER EQUIPMENT GROUND BAR



2 ANTENNA GROUNDING PLAN (TYP. FOR EACH SECTOR)



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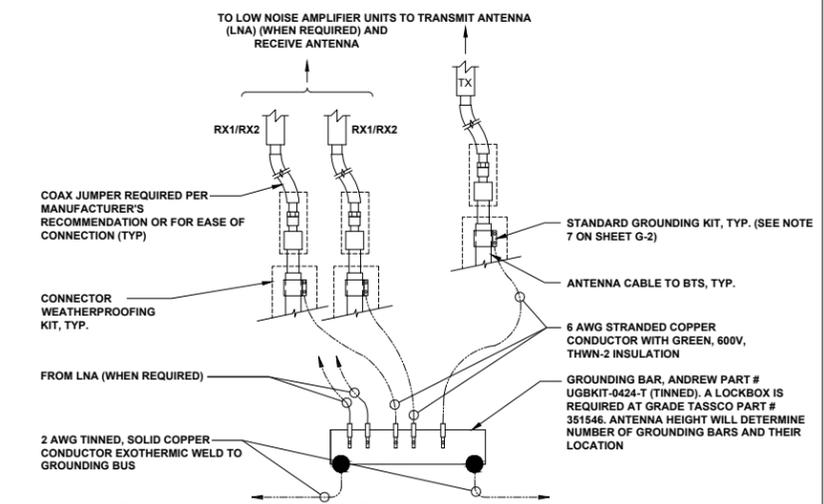
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CONSTRUCTION DRAWINGS

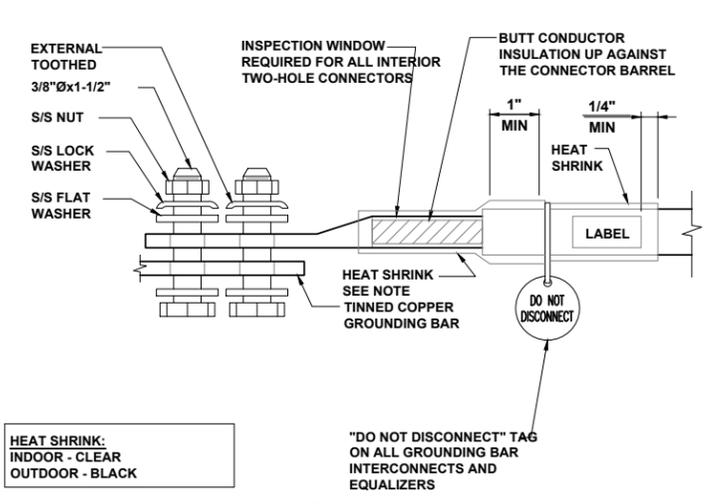
SHEET TITLE:

GROUNDING PLAN

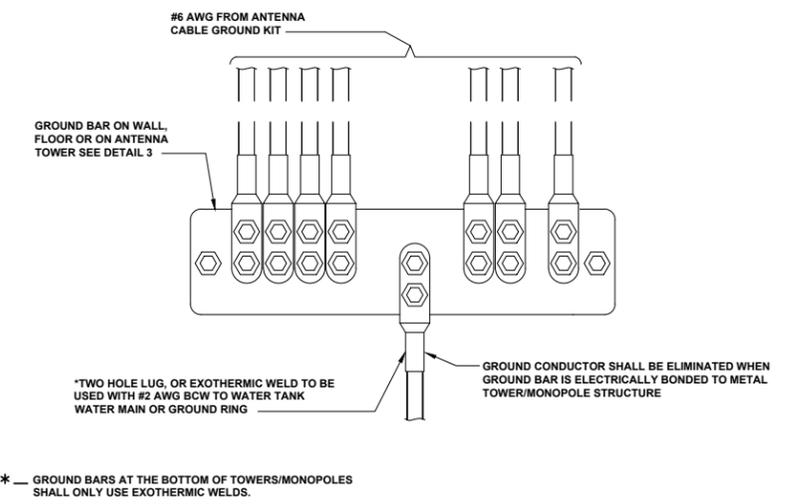
G-1



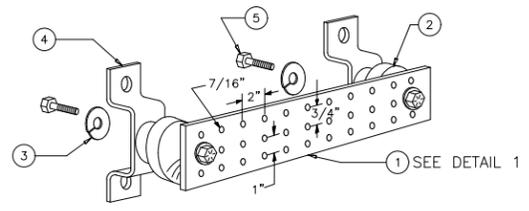
1 GROUNDING BAR CONNECTION
SCALE: NTS



2 GROUND LUG TO BUS BAR
SCALE: NTS

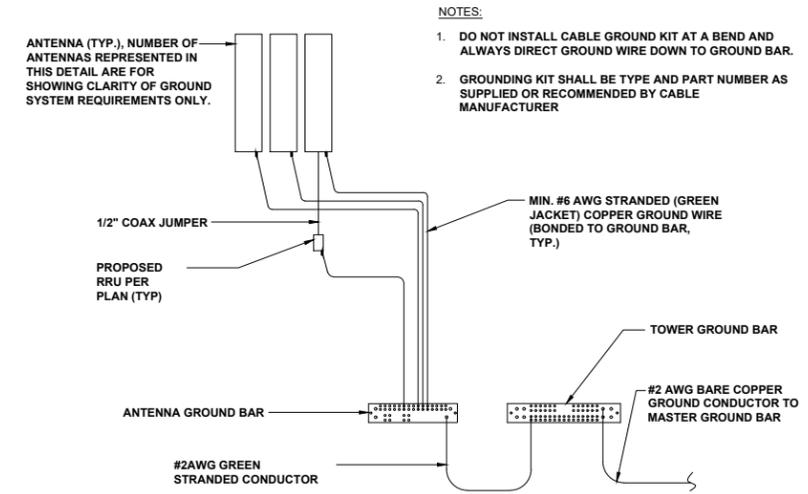


3 WIRE TO GROUND BAR CONNECTION
SCALE: NTS

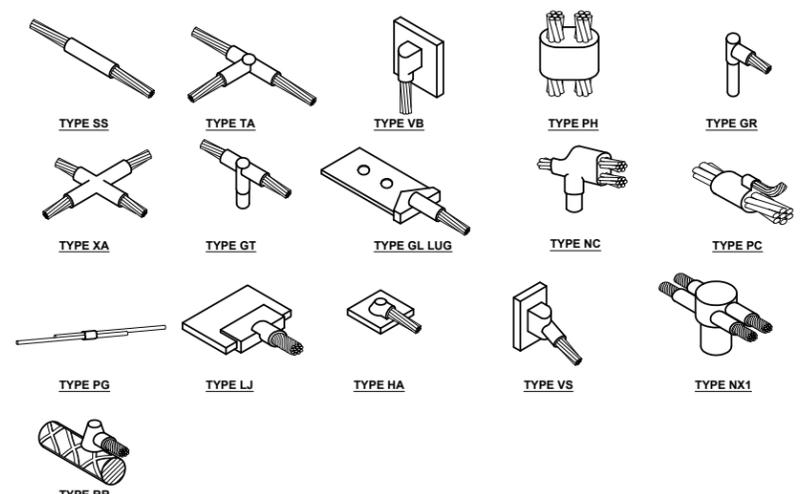


- LEGEND:**
1. COPPER GROUND BAR, 1/4"X 4"X 20", NEWTON INSTRUMENT CO. CAT. NO. 8-6142 OR EQUAL. HOLE CENTERS TO MATCH NEMA DOUBLE LUG CONFIGURATION. (ACTUAL GROUND BAR SIZE WILL VARY BASED ON NUMBER OF GROUND CONNECTIONS)
 2. INSULATORS, NEWTON INSTRUMENT CAT. NO. 3061-4 OR EQUAL
 3. 5/8" LOCKWASHERS, NEWTON INSTRUMENT CO. CAT. NO. 3015-8 OR EQUAL WALL MOUNTING BRACKET, NEWTON INSTRUMENT CO. CAT. NO. A-6056 OR EQUAL
 4. 5/8-11 X 1" HHCS BOLTS, NEWTON INSTRUMENT CO. CAT. NO. 3012-1 OR EQUAL
 5. INSULATORS SHALL BE ELIMINATED WHEN BONDING DIRECTLY TO TOWER/MONOPOLE STRUCTURE. CONNECTION TO TOWER/MONOPOLE STRUCTURE SHALL BE PER MANUFACTURERS RECOMMENDATIONS

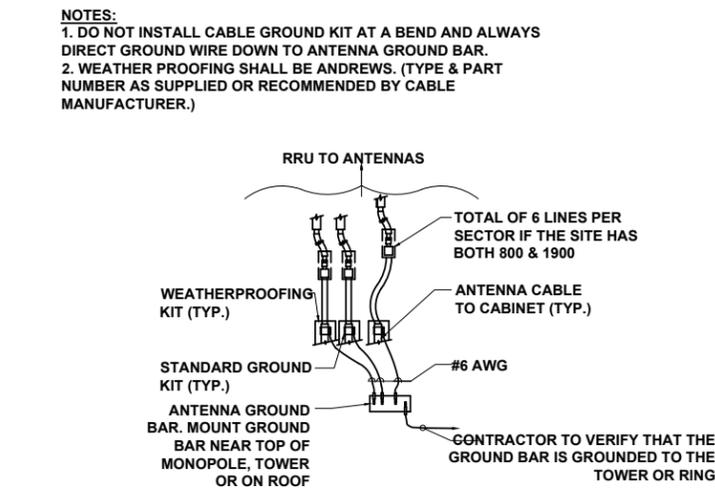
4 GROUNDING BAR DETAIL
SCALE: NTS



5 ANTENNA GROUNDING PLAN
SCALE: NTS



6 TYPICAL CADWELD TYPES
SCALE: NTS



7 TYPICAL COAX GROUNDING
SCALE: NTS

8 NOT USED
SCALE: NTS

9 NOT USED
SCALE: NTS

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CONSTRUCTION DRAWINGS

SHEET TITLE:
ELECTRICAL &
GROUNDING DETAILS

G-2