

SITE NUMBER: CLL01408 SITE NAME: PONTIAC FIREBIRD

2470 WEST PIONEER AVE. #A, FULLERTON, CA 92832

PACE #: MRLOS094248, USID: 317745, PTN #: 3551A12TDE, FA #: 13023941

SITE INFORMATION

PROPERTY OWNER:

CITY OF FULLERTON 303 W. COMMONWEALTH AVE, FULLERTON, CA 92832

APPLICANT ADDRESS:

AT&T MOBILITY 1452 EDINGER AVE. TUSTIN. CA 92780

APPLICANT REPRESENTATIVE:

10 CHURCH CIRCLE,

LATITUDE (NAD 83): LONGITUDE(NAD 83): GROUND ELEVATION:

33° 53′ 15.30″ N (33.887583°) 117° 58′ 2.90″ W (-117.967472°)

272.52' AMSL UNMANNED TELECOMMUNICATIONS FACILITY OCCUPANCY:

280-021-03 APN #: CITY OF FULLERTON ZONING JURISIDICTION:

P-L PUBLIC LAND CURRENT ZONING: NEW USE: UNMANNED TELECOMMUNICATIONS FACILITY

LEASE SPACE:

PROJECT TEAM

CELLSITE CONCEPTS

SAN DIEGO, CA 92127

SITE ACQUISITION:

CONTACT: SEV FRANCISCO

PHONE: (858) 432-4112

EMAIL: sfrancisco@cellsite.net

CONTACT: JERMAINE TAYLOR

EMAIL: jttelecoms@gmail.com

CONSTRUCTION MANAGER:

CONTACT: ANDRE CAMOU

PHONE: (562) 293-6236

EMAIL: ac2960@att.com

AT&T MOBILITY SERVICES LLC

PHONE: (909) 917-1727

16885 VIA DEL CAMPO CT., SUITE 318

±300 SQ. FT.

AT&T PROJECT MANAGER: AT&T MOBILITY SERVICES LLC CONTACT: IVAN OCEGUEDA PHONE: (562) 210-9855

EMAIL: IO109k@att.com

SMARTLINK PROJECT MANAGER: CONTACT: STACEY BROWN PHONE: (714) 273-5261 EMAIL: stacey.brown@smartlinkgroup.com

LAND USE PLANNER: CONTACT: JERMAINE TAYLOR PHONE: (909) 917-1727

EMAIL: jttelecoms@gmail.com

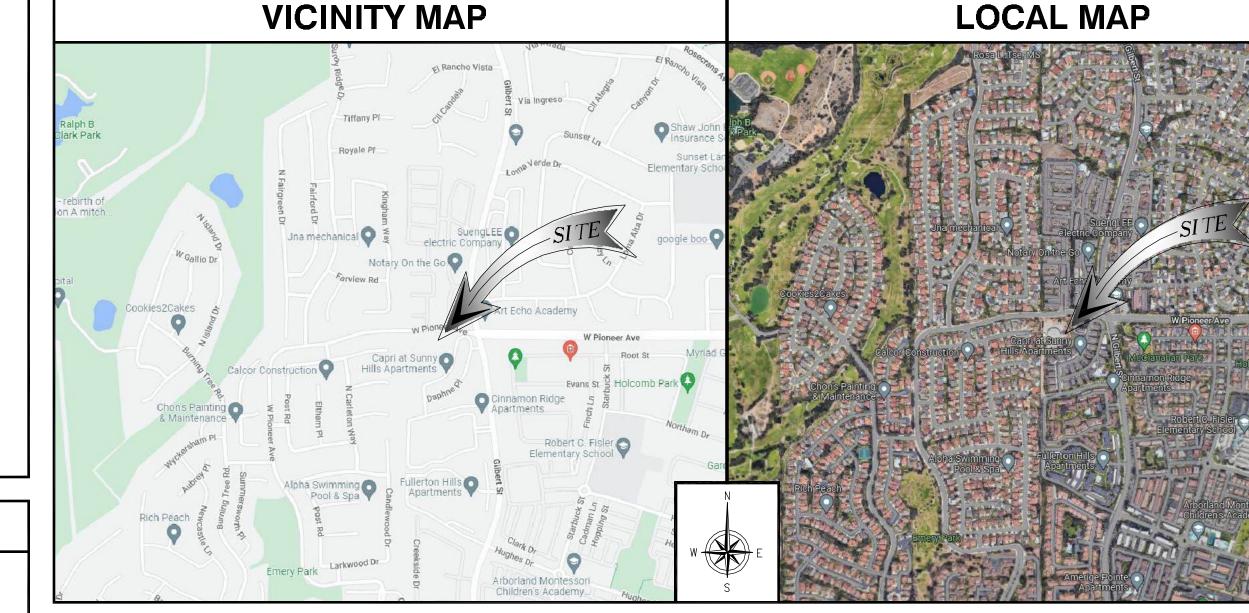
DO NOT SCALE **DRAWINGS**

SUBCONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS & FIELD CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

Dig Alert Know what's below. Call before you dig Call Two Working Days Before You Dig!

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LOCATION MAPS

DRIVING DIRECTIONS

DIRECTION FROM AT&T OFFICE (1452 EDINGER AVE., TUSTIN, CA 92780):

- START OUT GOING SOUTHEAST ON EDINGER AVE TOWARD RED HILL AVE.
- TURN LEFT ONTO RED HILL AVE. MERGE ONTO I-5 N VIA THE RAMP ON THE LEFT TOWARD LOS ANGELES.
- KEEP LEFT TO TAKE I-5 N TOWARD SANTA ANA/NEWPORT BEACH/CA-55 S.
- TAKE THE MAGNOLIA AVE EXIT, EXIT 114, TOWARD CA-91 E. TURN LEFT ONTO MAGNOLIA AVE.
- TURN RIGHT ONTO W COMMONWEALTH AVE. B. TURN LEFT ONTO N GILBERT ST.
- TURN LEFT ONTO W PIONEER AVE.
- 10. 2470 W PIONEER AVE, ORANGE, CA, 92833 IS ON THE LEFT.

GENERAL NOTES

THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH THE 2022 CALIFORNIA BUILDING CODE. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE; NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMÉRCIAL SIGNAGE IS NEW.

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING

- CALIFORNIA ADMINISTRATIVE CODE (INCL TITLE 24 & 25)
- 2022 CALIFORNIA BUILDING CODE 2022 CALIFORNIA MECHANICAL CODE
- 2022 CALIFORNIA PLUMBING CODE
- 2022 CALIFORNIA ELECTRICAL CODE • 2022 CALIFORNIA FIRE CODE
- 2022 LOCAL BUILDING CODE
- BUILDING OFFICIALS & CODE ADMINISTRATORS (BOCA)
- CITY/COUNTY ORDINANCES ANSI/TIA-222-H

LIFE SAFETY CODE NFPA-101

THE TELECOMMUNICATIONS EQUIPMENT SPACE SHOWN ON THESE PLANS IS NOT CUSTOMARILY OCCUPIED. WORK TO BE PERFORMED IN THIS FACILITY CANNOT REASONABLY BE PERFORMED BY PERSONS WITH A SEVERE IMPAIRMENT: MOBILITY, SIGHT, AND/OR HEARING. THEREFORE, PER 2022 CALIFORNIA BUILDING CODE SECTION 1105B.3.4, AND/OR 11B-203.5 OF 2022 CALIFORNIA BUILDING CODE, EXCEPTION 1, THIS FACILITY SHALL BE EXEMPTED FROM ALL TITLE 24 ACCESS REQUIREMENTS

ACCESSIBILITY NOTE

PROJECT DESCRIPTION

AT&T MOBILITY PROPOSES TO CONSTRUCT AN UNMANNED WIRELESS COMMUNICATION FACILITY. THE SCOPE WILL CONSIST

ANTENNA LEVEL: [RFDS REV 2.00, DATED 02/29/2024]

• EXTEND (E) MONOPINE AND BRANCHES PER PLAN.

NEW (3) FIBER TRUNKS ROUTED UNDERGROUND TO NEW MONOPINE EXTENSION.

• NEW 15' x 20' x 7' HIGH CHAIN-LINK FENCE ENCLOSURE TO MATCH EXISTING.

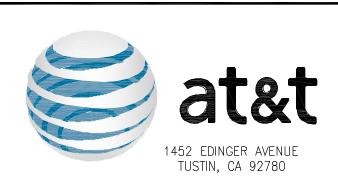
• NEW (1) DC POWER PLANT WITH (11) RECTIFIERS AND (2) STRING OF 185Ah BATTERIES MOUNTED ON NEW

DRAWING INDEX

SHEET NO:	SHEET TITLE
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T-3	WARNING NOTES AND SIGNAGE
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LS-2	TOPOGRAPHIC SURVEY
LS-3	TOPOGRAPHIC SURVEY
A-1	SITE PLAN
A-2m	- ENHARGED SITE PLAN
(A-3	NEW EQUIPMENT LAYOUT
A-3.1	EXISTING ANTENNA AND NEW ANTENNA PLANS
A-4	ELEVATIONS
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A-7	ELEVATIONS
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E-2	EQUIPMENT AND ANTENNA GROUNDING PLAN ELECTRICAL NOTES, PANEL SCHEDULE AND SITE LANE DIAGRAM
E-3 E-4	DC POWER DIAGRAM
E-5	ELECTRICAL AND GROUNDING DETAILS
E-6	BATTERY SPECS MSDS AND KWH CALCULATION
E-7	PRELIMINARY POWER DESIGN (BY OTHERS)
E-8	FIBER DESIGN (BY OTHERS)
E-9	FIBER DESIGN (BY OTHERS)
E-10	FIBER DESIGN (BY OTHERS)
	TOWER DRAWING BY TOWER ENGINEERING PROFESSIONALS [DATED 07/30/24]
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N-2	PROJECT NOTES I
N-3	PROJECT NOTES II
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S-16	REPLACEMENT BRANCH RECEPTACLES
MD 1	BRANCHES DRAWING BY CELL TREES [DATED 07/23/24]
MP-1 MP-2	TITLE SHEET ELEVATION VIEW & EPA VALUES
MP-3	BRANCH LAYOUT & RECEIVER
-	•

SIGNATURE BLOCK

AT&T RF:	PRINT NAME	SIGNATURE	DATE
AT&T PM:			
AT&T CM:		- <u></u> -	
SMARTLINK PM:			
SMARTLINK ZM:			
SMARTLINK SAQ:			 -
SMARTLINK CM:			·







<u></u>		
2	10/03/2024	PLAN CHECK COMMENTS
1	08/02/2024	PLAN CHECK COMMENTS/ ADDED FIBER DESIGN
0	04/26/2024	100% CD'S
В	04/19/2023	REMOVED MW ANTENNA
А	11/04/2022	90% CD'S FOR REVIEW
REV	DATE	DESCRIPTION

10/03/2024

BP SUBMITTAL

LICENSURE:



PROJECT INFORMATION:

CLL01408

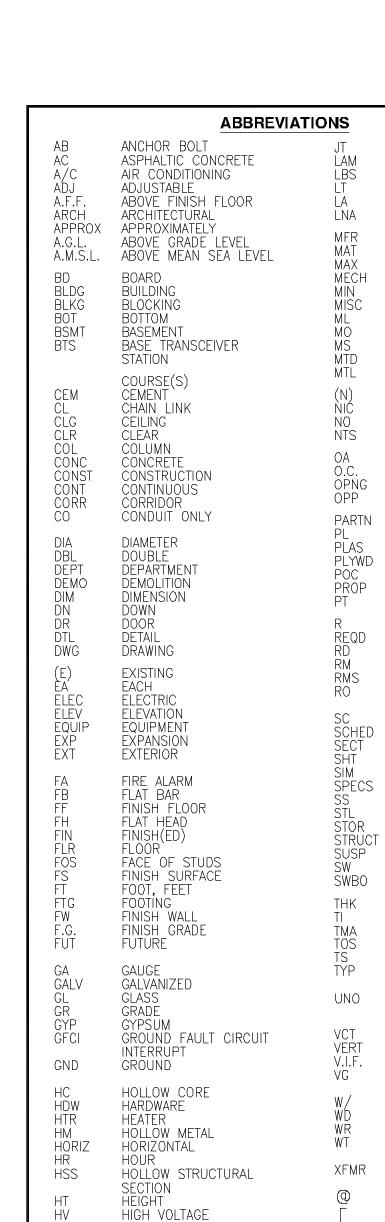
PONTIAC FIREBIRD 2470 WEST PIONEER AVE. #A, FULLERTON, CA 92832

	DRAWN BY:	AJYR
	CHECKED BY:	SVF
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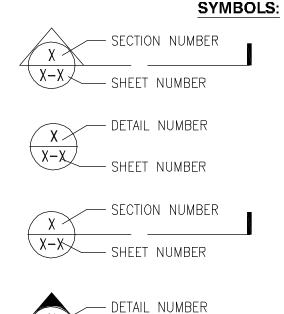
TITLE SHEET

SHEET-NUMBER:

T-1



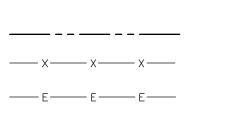
INSIDE DIMENSION



INSULATION

INTERIOR

DETAIL SECTION REFERENCE



- SHEET NUMBER

PROPERTY LINE FENCING

ELECTRICAL SERVICE _____T____T____T___ TELCO SERVICE —— E/T —— E/T —— ELECTRICAL/TELCO SERVICE

LAMINATED

LIGHTNING ARRESTOF

LOW NOISE AMPLIFIER

MANUFACTURER

POUNDS

MAXIMUM

MINIMUM MISCELLANEOUS

MOUNTED

NUMBER

MECHANICAL

MFTAL LATH

MASONRY OPENING

MACHINE SCREW

NOT IN CONTRACT

NOT TO SCALE

ON CENTER

OPPOSITE

PARTITION

PLASTER

PLYWOOD

ROOF DRAIN

ROUGH OPENING

SPECIFICATIONS

STRUCTURAI

SUSPENDED

SWITCHBOARD

TUBE STEEL

UNLESS NOTED

VERIFY IN FIFI D

VERTICAL GRAIN

WATER RESISTANT

TRANSFORMER

CHANNEL

ANGLE

BUILDING SECTION

DETAIL REFERENCE

EXTERIOR ELEVATION

REFERENCE

REFERENCE

CENTERLINE

PROPERTY LINE

OTHERWISE

TYPICAL

VERTICAL

TENANT IMPROVEMENT

TOWER MOUNTED AMPLIFIER TOP OF SURFACE

VINYL COMPOSITION TILE

STAINLESS STEEL

ROOM

ROOMS

POINT OF CONNECTION PROPERTY

PRESSURE TREATED

1. ALL MATERIALS AND CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE BUILDING CODE AND ALL OTHER GOVERNING CODES. THESE NOTES SHALL BE CONSIDERED A PART OF THE WRITTEN SPECIFICATIONS.

2. THE CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER OF ANY ERRORS, OMISSIONS, OR DISCREPANCIES AS THEY MAY BE DISCOVERED IN THE PLANS, SPECIFICATIONS, & NOTES PRIOR TO STARTING CONSTRUCTION, INCLUDING BUT NOT LIMITED BY DEMOLITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY ERROR, OMISSION, OR INCONSISTENCY AFTER THE START OF CONSTRUCTION WHICH HAS NOT BEEN BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER AND SHALL INCUR ANY EXPENSES TO RECTIFY THE SITUATION. THE METHOD OF CORRECTION SHALL BE APPROVED BY THE ARCHITECT/ENGINEER.

3. PRIOR TO STARTING CONSTRUCTION THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALI 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 TO THE UTILITIES CAUSED DURING THE EXECUTION OF THE WORK. WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, UTILITIES SHALL BE RELOCATED AS DIRECTED BY ENGINEERS. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR PIER DRILLING AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW.

4. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND SHALL BE CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK. SUBJECT TO THE APPROVAL OF THE ENGINEER.

5. A COPY OF THE APPROVED PLANS SHALL BE KEPT IN A PLACE SPECIFIED BY THE GOVERNING AGENCY, AND BY LAW SHALL BE AVAILABLE FOR INSPECTION AT ALL TIMES. IT IS THE CONTRACTOR'S 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/HIRED DRAWINGS TO THE ARCHITECT/ENGINEER AT THE CONCLUSION OF THE PROJECT.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE SECURITY OF THE SITE WHILE THE WORK IS IN PROGRESS UNTIL THE JOB IS COMPLETE.

7. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE TEMPORARY POWER, WATER, AND TOILET FACILITIES AS REQUIRED BY THE PROPERTY OWNER OR GOVERNING AGENCY

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL SAFETY PRECAUTIONS AND REGULATIONS DURING THE WORK. THE ENGINEER WILL NOT ADVISE ON, NOR PROVIDE DIRECTION, AS TO SAFETY PRECAUTIONS AND PROGRAMS.

9. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES AND SEQUENCING AND COORDINATING ALL PORTIONS OF THE WORK UNDER THE PROJECT. FURTHERMORE, THE STRUCTURE IS DESIGNED AS A UNIT UPON COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL TEMPORARY BRACING AND/OR SUPPORT THAT MAY BE REQUIRED AS THE RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS. THE INVESTIGATION, DESIGN, SAFETY, ADEQUACY AND INSPECTION OF BRACING, SHORING, TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR

10. 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 THE OWNER OR HIS REPRESENTATIVE. CONTRACTOR SHALL OBTAIN THE PERMIT AND MAKE FINAL PAYMENT OF SAID DOCUMENT(S)

11. THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF LOAD IMPOSED ON THE STRUCTURAL FRAMING AND STRUCTURE DURING CONSTRUCTION. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN CAPACITY OF THE FRAMING AT THE TIME THE LOADS ARE IMPOSED 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 ALSO RECOGNIZE AND CONSIDER THE EFFECTS OF THERMAL MOVEMENTS OF STRUCTURAL ELEMENTS DURING THE CONSTRUCTION PERIOD.

12. ALL DIMENSIONS TAKE PRECEDENCE OVER SCALE UNLESS OTHERWISE NOTED.

13. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY FRAMING, BACKING, HANGERS, BLOCKING OR SUPPORTS FOR INSTALLATION OF ITEMS INDICATED ON THE DRAWINGS

14. THE CONTRACTOR SHALL PROVIDE FIRE MARSHALL APPROVED MATERIALS TO FILL/SEAL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES.

15. NEW CONSTRUCTION ADDED TO EXISTING CONSTRUCTION SHALL BE MATCHED IN FORM, TEXTURE, MATERIAL AND PAINT COLOR EXCEPT AS NOTED IN THE PLANS.

16. WHERE SPECIFIED, MATERIALS TESTING SHALL BE TO THE LATEST STANDARDS AVAILABLE AS REQUIRED BY THE LOCAL GOVERNING AGENCY RESPONSIBLE FOR RECORDING THE RESULTS. 17. ALL GENERAL NOTES AND STANDARD DETAILS ARE THE MINIMUM REQUIREMENTS TO BE USED IN

CONDITIONS WHICH ARE NOT SPECIFICALLY SHOWN OTHERWISE. 18. ALL DEBRIS AND REFUGE IS TO BE REMOVED FROM THE PROJECT. PREMISES SHALL BE LEFT IN

A CLEAN BROOM FINISHED CONDITION AT ALL TIMES. 19. ALL SYMBOLS AND ABBREVIATIONS ARE CONSIDERED CONSTRUCTION INDUSTRY STANDARDS. IF A CONTRACTOR HAS A QUESTION REGARDING THEIR EXACT MEANING, THE ARCHITECT/ENGINEER SHALL

BE NOTIFIED FOR CLARIFICATIONS. 20. CONTRACTORS SHALL VISIT THE SITE PRIOR TO BID TO ASCERTAIN CONDITIONS WHICH MAY

ADVERSELY AFFECT THE WORK OR COST THEREOF. 21. THE CONTRACTOR SHALL FIELD VERIFY THE DIMENSIONS, ELEVATIONS, ETC. NECESSARY FOR THE PROPER CONSTRUCTION AND ALIGNMENT OF THE NEW PORTION OF THE WORK TO THE EXISTING WORK. THE CONTRACTOR SHALL MAKE ALL MEASUREMENTS NECESSARY FOR FABRICATION AND

ERECTION OF STRUCTURAL MEMBERS. ANY DISCREPANCY SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER. 22. REPRESENTATIONS OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF SURVEY DRAWING (SHEET LS1), SHALL NOT BE USED TO IDENTIFY OR ESTABLISH THE BEARING OF TRUE NORTH AT THE SITE. THE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF SURVEY DRAWING AND ANY SURVEYOR'S MARKINGS AT THE SITE FOR THE ESTABLISHMENT OF TRUE NORTH, AND SHALL NOTIFY THE ARCHITECT/ ENGINEER PRIOR TO PROCEEDING WITH THE WORK. IF ANY DISCREPANCY IS

FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE TRUE NORTH ORIENTATION AS DEPICTED ON THE CIVIL SURVEY, THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ARCHITECT/ENGINEER. 23. NO CHANGES ARE TO BE MADE TO THESE PLANS WITHOUT THE KNOWLEDGE AND WRITTEN CONSENT OF THE ARCHITECT/ ENGINEER. UNAUTHORIZED CHANGES RENDER THESE DRAWINGS VOID. THIS INCLUDES THAT THE CONTRACTOR SHALL NOT BE RELIEVED OF ANY DEVIATION FROM THE PLANS BY THE PROFESSIONAL'S OF RECORD REVIEW OF SHOP DRAWINGS, PRODUCT DATA, ETC. UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE PROFESSIONAL OF RECORD OF SUCH DEVIATION IN

WRITING AT THE TIME OF SUBMISSION, AND THE PROFESSIONAL OF RECORD HAS GIVEN WRITTEN

APPROVAL TO THE SPECIFIC DEVIATION. 24. ANY REFERENCE TO THE WORDS "APPROVED" OR "APPROVAL" IN THESE DOCUMENTS SHALL BE HERE DEFINED TO MEAN GENERAL ACCEPTANCE OR REVIEW AND SHALL NOT RELIEVE THE CONTRACTOR AND/OR HIS SUB-CONTRACTORS OF ANY LIABILITY IN FURNISHING THE REQUIRED MATERIALS OR LABOR SPECIFIED.

25. STAIR TREADS SHALL BE MARKED BY A STRIP OF CLEARLY CONTRASTING COLOR AT LEAST 2-INCHES WIDE AND PLACED PARALLEL TO AND NOT MORE THAN 1 INCH FROM THE NOSE OF THE STEP. ALL TREAD SURFACES SHALL BE SLIP RESISTANCE. NOSING SHALL NOT PROJECT MORE THAN 1-1/2 INCHES PAST THE FACE OF THE RISER BELOW.

SUBMITTALS

SUBMITTALS: SUBMITTALS FOR SHOP DRAWINGS, MILL TESTS, PRODUCT DATA, ETC. FOR ITEMS DESIGNED BY THE ARCHITECT/ ENGINEER OF RECORD SHALL BE MADE TO THE ARCHITECT/ENGINEER PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL REVIEW THE SUBMITTAL BEFORE FORWARDING TO THE ARCHITECT. SUBMITTALS SHALL BE MADE IN TIME TO PROVIDE A TWO-WEEK REVIEW PERIOD FOR THE ARCHITECT/ ENGINEER. SUBMITTALS REQUIRED FOR EACH SECTION OF THESE NOTES ARE SPECIFIED IN THAT SECTION.

SHOP DRAWING REVIEW

REVIEW BY THE ARCHITECT/ENGINEER IS FOR GENERAL COMPLIANCE WITH THE DESIGN CONCEPT AND THE CONTRACT DOCUMENTS. MARKINGS OR COMMENTS SHALL NOT BE CONSTRUED AS RELIEVING THE CONTRACTOR FROM COMPLIANCE WITH THE PROJECT PLANS AND SPECIFICATIONS, NOR DEPARTURES THEREFROM. THE CONTRACTOR REMAINS RESPONSIBLE FOR DETAILS AND ACCURACY, FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, FOR SELECTING FABRICATION PROCESSES, ETC. WHEN SHOP DRAWINGS DIFFER FROM OR ADD TO THE REQUIREMENTS OF THE STRUCTURAL DRAWINGS THEY SHALL BE DESIGNED AND STAMPED BY A SPECIALTY STRUCTURAL ENGINEER (SSE)

SITE PREPARATION NOTES:

. THE PREPARATION OF THE SITE FOR CONSTRUCTION SHALL INCLUDE THE REMOVAL OF ALL BROKEN CONCRETE, TREE TRUNKS AND ANY OTHER DEBRIS THAT WOULD BE DAMAGING TO THE FOOTINGS OF THE NEW STRUCTURE.

2. ALL FOUNDATION FOOTINGS SHALL EXTEND INTO AND BEAR AGAINST NATURAL UNDISTURBED SOIL OR APPROVED 2. REINFORCING STEEL SPLICE/DEVELOPMENT LENGTHS SHALL CONFORM TO THE FOLLOWING COMPACTED FILL. FOOTINGS SHALL EXTEND INTO SOIL DEPTH INDICATED ON DETAILS

3. SHOULD ANY LOOSE FILL, EXPANSIVE SOIL, GROUND WATER OR ANY OTHER DANGEROUS CONDITIONS BE ENCOUNTERED DURING THE EXCAVATION FOR THE NEW FOUNDATION, THE ARCHITECT/ENGINEER SHALL BE NOTIFIED AND ALL FOUNDATION WORK SHALL CEASE IMMEDIATELY.

4. THE SURFACE OF THE EXPOSED SUBGRADE SHALL BE INSPECTED BY PROBING OR TESTING TO CHECK FOR POCKETS OF SOFT OR UNSUITABLE MATERIAL. EXCAVATE UNSUITABLE SOIL AS DIRECTED BY THE GEOTECHNICAL 5. PROOFROLL THE SURFACE OF THE EXPOSED SUBGRADE WITH A LOADED TANDEM AXLE DUMP TRUCK. REMOVE

ALL SOILS WHICH PUMP OR DO NOT COMPACT PROPERLY AS DIRECTED BY THE GEOTECHNICAL ENGINEER/TESTING AGENCY. 6. FILL ALL EXCAVATED AREAS WITH APPROVED CONTROLLED FILL. PLACE IN 8" LOOSE LIFTS AND THE MAXIMUM

DRY DENSITY IN ACCORDANCE WITH ASTM D-698. COMPACT TO A MINIMUM OF 90% RELATIVE COMPACTION.

ADEQUATE DRAINAGE SHALL BE PROVIDED SUCH THAT NO PONDING OCCURS AFTER THESE RECOMMENDATIONS ARE APPROVED BY THE ARCHITECT/ENGIENEER. 7. 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. 8. BEFORE PROCEEDING WITH ANY WORK WITHIN THE EXISTING FACILITY, THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH EXISTING STRUCTURAL AND OTHER CONDITIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL NECESSARY BRACING, SHORING AND OTHER SAFEGUARDS TO MAINTAIN ALL PARTS OF THE EXISTING WORK IN A SAFE CONDITION DURING THE PROCESS OF DEMOLITION AND CONSTRUCTION AND TO PROTECT FROM DAMAGE THOSE PORTIONS OF THE EXISTING WORK WHICH ARE TO

FOUNDATIONS - GENERAL

1. BOTTOM OF EXTERIOR FOOTINGS SHALL BEAR A MINIMUM OF $\underline{18}$ " BELOW FINAL GRADE AND BEAR ON FIRM NATIVE OR PROPERLY COMPACTED SOILS.

2. FOOTINGS MAY BE POURED INTO AN EARTH-FORMED TRENCH IF SOIL CONDITIONS PERMIT 3. ALL BEARING MATERIAL SHALL BE INSPECTED BY THE INDEPENDENT TESTING AGENCY PRIOR TO CONCRETE PLACEMENT. THE INDEPENDENT TESTING AGENCY SHALL BE THE SOLE JUDGE AS TO THE SUITABILITY OF THE BEARING MATERIAL. FOOTING ELEVATIONS SHALL BE ADJUSTED AS REQUIRED.

4. FOUNDATION CONCRETE SHALL HAVE REACHED A MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI BEFORE BEING LOADED. STRENGTHS SHALL BE VERIFIED BY TEST.

5. FOUNDATION WALLS THAT RETAIN EARTH SHALL BE BRACED AGAINST BACKFILLING PRESSURES UNTIL THE SLABS AT TOP AND BOTTOM ARE IN PLACE AND CURED AS REQUIRED.

6. WHERE WALLS ARE TO HAVE EARTH PLACED ON EACH SIDE, SIMULTANEOUSLY PLACE FILL SO AS TO MAINTAIN A COMMON ELEVATION ON EACH SIDE OF WALL.

7. CONTRACTOR SHALL PROVIDE ALL SHORING AS REQUIRED.

8. ALL RETAINING WALLS SHALL HAVE AT LEAST 12" OF FREE-DRAINING GRANULAR BACKFILL FULL HEIGHT OF WALL. SEAL RETAINING FACE OF WALL AND FOOTING WITH 2 COATS OF HENRY'S 502 ASPHALTIC MASTIC. PROVIDE CONTINUOUS INSPECTION.

9. CONTRACTOR SHALL PROVIDE TEMPORARY AND PERMANENT DEWATERING FOR SURFACE WATER, GROUND WATER AND SEEPAGE WATER AS REQUIRED.

10. CONTRACTOR SHALL PROTECT ALL UTILITY LINES, ETC ENCOUNTERED DURING EXCAVATIONS AND BACKFILLING. ALL BACKFILL SHALL BE PROPERLY COMPACTED.

11. ALL FOOTINGS HAVE BEEN DESIGNED BASED UPON AN ASSUMED SOIL BEARING PRESSURE OF <u>1,000 PSF</u> UNLESS NOTED OTHERWISE.

EPOXY AND EXPANSION ANCHORS

1. EPOXY OR EXPANSION ANCHORS SHALL NOT BE USED EXCEPT WHERE SPECIFICALLY SHOWN ON THE PLANS OR WHEN APPROVED IN ADVANCE BY THE STRUCTURAL ENGINEER.

2. DRILLED HOLES SHALL BE PREPARED AND ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND THE CURRENT ICC REPORT.

3. SPECIAL INSPECTION SHALL BE DONE IN ACCORDANCE WITH BUILDING CODE AND THE SPECIFIC INSPECTION REQUIREMENTS SET FORTH IN THE CURRENT ICC REPORT.

4. ANCHOR RODS USED FOR EPOXY ANCHORS SHALL BE THE TYPE SPECIFIED IN THE REFERENCED ICC REPORT. 5. THE ANCHOR SIZE AND EMBEDMENT SHALL BE AS INDICATED ON THE PLANS.

6. WHERE PERMITTED, EPOXY ANCHORING SHALL BE COMPLETED WITH THE FOLLOWING ALLOWED PRODUCT(S): HILTI RE-500 SD (ICC# ESR-2322, LARR-25700) - CONCRETE ONLY HILTI HIT-HY 150 (ICC# ER-5193, LARR-25652M) - MASONRY WALL ONLY.

HILTI HIT-HY 20 (ICC# ER-4815, LARR-24564) - BRICK WALL ONLY. 7. WHERE PERMITTED, THE FOLLOWING EXPANSION ANCHORS MAY BE USED: HILTI KWIK BOLT TZ (ICC# ESR-1917, LARR-25701) - CONCRETE ONLY. SIMPSON STONG-BOLT (ICC# ESR-1771, LARR-25705) - CONCRETE ONLY.

HILTI KWIK BOLT 3 (ICC#ESR-1385, LARR-25577)GROUTFILLED MASONRY ONLY SIMPSON WEDGE-ALL (ICC# ESR-1396, LARR-24682) - GROUT FILLED MASONRY ONLY.

FIRE DEPARTMENT NOTES

SCHEDULE REQUIRED FINAL FIRE DEPARTMENT INSPECTION 2 DAYS IN ADVANCE. A UNIFORM FIRE CODE PERMIT TO OPERATE BATTERY SYSTEMS WITH STATIONARY LEAD-ACID BATTERIES MAY BE REQUIRED AND ISSUED BY FIRE INSPECTOR.

3. CONTRACTOR SHALL POST PERMANENT SIGNAGE IN A CONSPICUOUS LOCATION AT THE SITE IDENTIFYING WHOM SHOULD BE CALLED IN AN EMERGENCY WITH PHONE NUMBERS AND SITE-IDENTIFYING INFORMATION (SUCH AS ADDRESS, SITE #, ETC.) FOR FIRE DEPARTMENT EMERGENCY USE.

4. NFPA 704 PLACARD -PROVIDE AND INSTALL AN NFPA 704 PLACARD ON OUTSIDE ENTRY DOOR LEADING TO EQUIPMENT AREA WITH BATTERY STORAGE AND EMERGENCY GENERATOR AS REQUIRED BY CFC 2703.5. THE SIGN SHALL BE REFLECTIVE BACKGROUND, MINIMUM SIZE OF 15 INCHES BY 15 INCHES, WITH 6 INCH HIGH NUMBERS OR LETTERS. SIGN SHALL BE MOUNTED IN VISIBLE AREA REQUIRED BY FIRE DEPT AND LABELED AS

HAZARD MARKING SING CATEGORIES MUST BE AS FOLLOWS: (FOR BATTERY STORAGE) HEALTH = 3. FLAMMABILITY = 3, REACTIVITY = 1, SPECIAL = W / CORROSIVE

-SHOW THE HAZARD RANKING SIGN WITH APPROPRIATE IDENTIFIERS ABOVE ON PLAN. 5. PROVIDE 2A:40BC FIRE EXTINGUISHER, OR OTHER EQUIVALENT, IN RECESSED OR SEMI-RECESSED CABINET MOUNTED AT 48" AFF MAXIMUM TO TOP OF CABINET. IF CONSTRUCTION MATERIALS ARE NOT AMENABLE TO RECESSING THE CABINET, SURFACE MOUNTED CABINETS MAY BE APPROVED. CABINETS SHALL HAVE AN OPENABLE DOOR THAT DOES NOT REQUIRE BREAKAGE OF GLASS. EXTINGUISHERS SHALL BE HUNG ON THEIR HOOKS IN THE CABINETS.

6. SIGNS: A SIGN(S) IDENTIFYING THE ELECTRICAL POWER SHUTOFF SHALL BE POSTED ON THE ENCLOSURE AND OTHER LOCATIONS AS REQUIRED TO SATISFACTION OF FIRE DEPARTMENT. THE SIGN SHALL ALSO PROVIDE EMERGENCY CONTACT INFORMATION FOR PHONE COMPANY PERSONNEL AND INSTALLED PRIOR TO CERTIFICATE ON OCCUPANCY. THE SIGNAGE SHALL REMAIN IN GOOD CONDITION IN PERPETUITY

7. EMERGENCY RADIO INTERFERENCE: THE NEW TELECOMMUNICATIONS EQUIPMENT, CELL TOWER AND GPS SIGNALS SHALL NOT CREATE INTERFERENCE WITH FIRE DEPARTMENT RADIO COMMUNICATION.

8. KNOX KEY BOX: SHALL BE PROVIDED ON EXTERIOR GATE.— A MASTER KEY SHALL BE PROVIDED FOR GATE AND THE ENTRY DOOR TO ACCESS CMU BUILDING. KNOX BOX SHALL BE MOUNTED IN AREA APPROVED BY FIRE DEPARTMENT AT HEIGHT OF 60 TO 66 INCHES ABOVE GRADE, KNOX BOX SHALL BE TYPE WITH SIDE

PAINTING

. THE CONTRACTOR SHALL PREPARE SURFACES, FURNISH ALL PAINT, MATERIAL, LABOR AND EQUIPMENT FOR THE PAINTING OF ALL SURFACES AS REQUIRED.

2. ALL PAINTS TO BE APPLIED IN WORKMANLIKE MANNER. AT COMPLETION, REMOVE ALL MATERIALS AND DEBRIS CAUSED BY THIS CONTRACTOR. ALL FLOORS, GLASS, HARDWARE, FRAMES, FIXTURES, ETC SHALL BE THOROUGHLY CLEANED OF PAINT.

3. ALL STEEL COLUMNS AND MISC. METALS SHALL BE PRIMED AND PAINTED. 4. FIRE PREVENTION: TAKE EVERY PRECAUTION AT THE END OF THE DAY TO REMOVE OILY RAGS AND COMBUSTIBLE MATERIALS FROM THE SITE OR STORE IN METAL CONTAINER WITH TIGHT COVERS.

5. FINAL TEXTURE & COLOR PER OWNER'S INSTRUCTIONS.

SHOP PAINTING: CONFORM TO AISC SPECIFICATION SEC M2 AND AISC CODE SEC. 6.5. DO NOT PRIME SURFACES TO BE FIREPROOFED, IN CONTACT WITH CONCRETE, OR FIELD WELDED. STEEL WORK TO BE CONCEALED BY INTERIOR BUILDING FINISHES OR IN CONTACT WITH CONCRETE DOES NOT REQUIRE PAINTING.

ALL OTHER STEEL WORK SHALL BE GIVEN ONE COAT OF SHOP PAINT 7. ALL VISIBLE ANTENNAS, ANTENNA SUPPORT STRUCTURES, CABLE TRAYS, EQUIPMENT MUST BE PAINTED TO BLEND WITH SURROUNDING ELEMENTS - U.N.O

REINFORCING STEEL

ALL REINFORCING SHALL BE NEW DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60 OR ASTM A706, GRADE 60. ALL WELDED REINFORCING BARS SHALL CONFORM TO ASTM A706.

MINIMUM LENGTHS UNLESS NOTED OTHERWISE: SPLICED BARS SHALL BE WIRED TOGETHER.

SPLICE/DEVELOPMENT LENGTH (INCHES)

TOP BAR LENGTHS APPLY TO HORIZONTAL REINFORCEMENT PLACED WITH MORE THAN 12" OF FRESH CONCRETE CAST BELOW THE SPLICE OR DEVELOP LENGTH. COMPRESSION DOWEL EMBEDMENT: 22 BAR DIAMETERS

LAP WELDED WIRE FABRIC ONE SPACING OF CROSS WIRES PLUS 2". 3. MINIMUM CONCRETE COVER UNLESS NOTED OTHERWISE UNFORMED SURFACE IN CONTACT WITH THE GROUND: FORMED SURFACES EXPOSED TO EARTH OR WEATHER

#6 BARS AND LARGER: #5 BARS AND SMALLER 1.5" FORMED SURFACES NOT EXPOSED TO EARTH OR WEATHER 1.5**"** BEAMS, GIRDERS AND COLUMNS: SLABS, WALLS AND JOISTS 0.75" #11 BARS AND SMALLER:

4. BARS SHALL BE CLEAN OF MUD, OIL, OR OTHER COATINGS LIKELY TO IMPAIR BONDING 5. ALL REINFORCING SHALL BE SECURED IN PLACE PRIOR TO INSPECTIONS, PLACING CONCRETE, OR GROUTING MASONRY.

6. WELDING: BARS SHALL NOT BE WELDED UNLESS AUTHORIZED. WHEN AUTHORIZED, CONFORM TO ACI 301 SEC 3.2, 2.2, AND AWS D1.4 "WELDING" AND PROVIDE ASTM A706, GRADE 60

7. FIELD BENDING: CONFORM TO ACI 301 SEC 3.3.2.8 "FIELD BENDING OR STRAIGHTENING". BAR SIZES #3 THROUGH #5 MAY BE FIELD BENT COLD THE FIRST TIME. OTHER BARS REQUIRE PREHEATING. DO NOT TWIST BARS.

8. SPLICE ALL BARS IN MASONRY WITH A MINIMUM OF 48 BAR DIAMETER LAPS (2'-0" MINIMUM) 9. ALL VERTICAL WALL REINFORCEMENT SHALL BE CONTINUOUS BETWEEN SPLICE LOCATIONS SHOWN IN THE DETAILS.

CONCRETE

1. MIX DESIGN REQUIREMENTS: (UNLESS NOTED OTHERWISE)

A. CEMENT SHALL CONFORM TO ASTM C-150, TYPE V. B. COMPRESSIVE STRENGTH = 4,000 PSI

C. CONCRETE SLUMP SHALL BE 3"+/-1" FOR SLABS AND 4"+/-1" FOR ALL OTHER WORK.

D. WATER CEMENT RATIO = 0.45 MAX

2. AGGREGATES FOR NORMAL WEIGHT CONCRETE SHALL CONFORM TO ASTM C-33 (1" MAXIMUM SIZE), AND ASTM C-330 FOR STRUCTURAL LIGHT WEIGHT CONCRETE.

3. WHERE CONCRETE WILL BE IN CONTACT WITH NATIVE OR IMPORTED SOIL WHICH HAS A VERY SEVERE SULFATE CONTENT, POZZOLAN SHALL BE ADDED AS REQUIRED. 4. EXTERIOR CONCRETE EXPOSED TO FREEZING TEMPERATURES AND/OR SALT OR DEICING

CHEMICALS SHALL HAVE AIR ENTRAINMENT AND THE CEMENT CONTENT APPROPRIATE FOR THE 5. WATER SHALL BE POTABLE OR CLEAN, FREE FROM DELETERIOUS AMOUNTS OF ACIDS, ALKALIS

OR ORGANIC MATERIALS, OILS, AND SALTS. 6. READY-MIX CONCRETE SHALL BE MIXED AND DELIVERED IN ACCORDANCE WITH ASTM C-94. 7. FLOOR SLABS SHALL CONFORM TO ASTM C-38 STANDARDS AND SHALL BE AT LEAS

INCHES THICK- SEE FOUNDATION PLANS FOR REINFORCEMENT, BASE, UNDERLAYMENT, VAPOR BARRIER OR OTHER SPECIFIC REQUIREMENTS.

8. FLOOR SLABS SHALL BE LEVEL OR TRUE SLOPES AS SHOWN ON DRAWINGS. TOLERANCE: 1/8 INCH IN 10 FEET.

9. PROVIDE LIGHT BROOM FINISH ON ALL EXPOSED CONCRETE UNLESS NOTED OTHERWISE. 10. PRIOR TO COMMENCING ANY FOUNDATION WORK, COORDINATE WORK WITH ANY EXISTING UTILITIES. FOUNDATIONS SHALL BE LOWERED WHERE REQUIRED TO AVOID UTILITIES.

11. ALL EDGES OF PERMANENTLY EXPOSED CONCRETE SURFACES SHALL BE CHAMFERED 3/4" UNLESS NOTED OTHERWISE.

12. FORMWORK SHALL REMAIN IN PLACE UNTIL CONCRETE HAS OBTAINED AT LEAST 90% OF COMPRESSIVE STRENGTH. THE CONTRACTOR SHALL PROVIDE ALL SHORING AND RESHORING.

13. PROVIDE CONCRETE SLABS OVER A 10 MIL POLYETHYLENE VAPOR BARRIER OVER 4" OF POROUS FILL UNLESS NOTED OTHERWISE. 14. ALL POROUS FILL MATERIAL SHALL BE A CLEAN GRANULAR MATERIAL, POROUS FILL SHALL BE

COMPACTED TO 90% MAX. DRY DENSITY. 15. WALKWAYS AND OTHER EXTERIOR SLABS ARE NOT INDICATED ON THE STRUCTURAL DRAWINGS. SEE THE SITE PLAN AND ARCHITECTURAL DRAWINGS FOR LOCATIONS, DIMENSIONS, ELEVATIONS, JOINTING DETAILS AND FINISH DETAILS. PROVIDE 4" WALKS REINFORCED WITH 6x6 - WI.4xWI.4

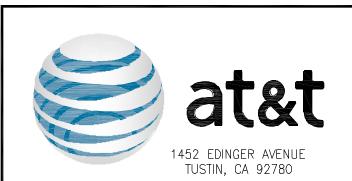
WWF UNLESS OTHERWISE NOTED. 16. ALL CONCRETE MATERIALS AND WORKMANSHIP SHALL CONFORM TO CHAPTER 19 OF THE CBC AND TO ALL REQUIREMENTS OF ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR

17. ALL FOOTINGS SHALL REST ON FIRM NATURAL SOIL OR APPROVED COMPACTED FILL. 18. LATTICE TOWER CAISSONS ARE DESIGNED BY OTHERS. PROVIDE ADEQUATE SEPARATION AND/OR COMPRESSIBLE MATERIAL AROUND THE TOP OF THE CAISSON AS DIRECTED BY THE

CAISSON ENGINEER TO PROTECT ADJACENT NEW AND EXISTING FOUNDATIONS AND OTHER 19. CONTROL JOINTS SHALL BE PLACED IN ALL CONCRETE SLABS PER THE SCHEDULE BELOW. SAWCUT WITHIN 4 HOURS AFTER THE POUR USING THE "SOFF-CUT" PROCEDURE.

SLAB THICKNESS MAXIMUM SPACING 10'-0" 12'-0" 6" AND LARGE 15'-0"

BUILDINGS," EXCEPT AS SPECIFIED HEREIN.







2	10/03/2024	PLAN CHECK COMMENTS
1	08/02/2024	PLAN CHECK COMMENTS/ ADDED FIBER DESIGN
0	04/26/2024	100% CD'S
В	04/19/2023	REMOVED MW ANTENNA
Α	11/04/2022	90% CD'S FOR REVIEW
REV	DATE	DESCRIPTION

10/03/2024

ISSUED FOR:

BP SUBMITTAL

LICENSURE:



PROJECT INFORMATION:

CLL01408 PONTIAC FIREBIRD | 2470 WEST PIONEER AVE. #A, FULLERTON, CA 92832

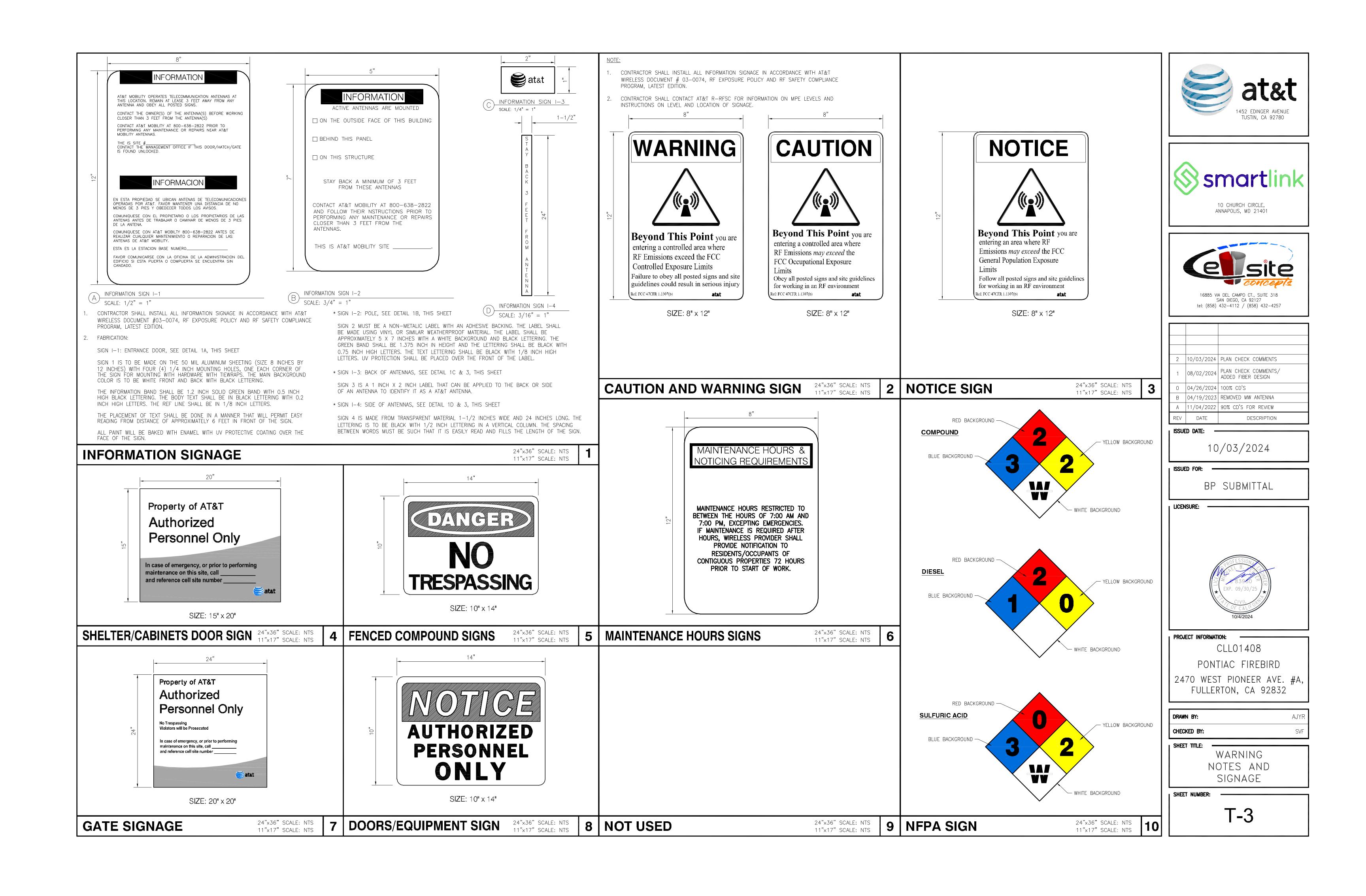
DRAWN BY:	AJYR
CHECKED BY:	SVF

Sheet Title:

NOTES AND **SPECIFICATIONS**

SHEET NUMBER:

T-2





<u>APN</u> 280-021-03

SITE ADDRESS

2470 WEST PIONEER AVE. #A, FULLERTON, CA 92832

TITLE REPORT

TITLE REPORT WAS PREPARED BY COMMONWEALTH LAND TITLE INSURANCE COMPANY WITH ORDER NUMBER 92017749-920-CMM-CM8 AND GUARANTEE NUMBER CA-SFXFC-IMP-81G28-1-22-92017749 DATED APRIL 21, 2022.

BASIS OF BEARING

BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM CALIFORNIA STATE PLANE COORDINATE ZONE SIX, DETERMINED BY GPS OBSERVATIONS.

BENCHMARK

ELEVATIONS ARE BASED ON CRTN (CSRC) NETWORK BROADCAST COORDINATES.

FLOODZONE

SITE IS LOCATED IN FLOOD ZONE "X" AS PER F.I.R.M. MAP NO. 06059C0039J EFFECTIVE DATE 12/3/2009.

- 1. THIS IS NOT A BOUNDARY SURVEY. THIS IS A SPECIALIZED TOPOGRAPHIC MAP. BE RELIED UPON AS THE ACTUAL BOUNDARY LINES.
- ANY AND ALL LIABILITY.
- 3. THE HEIGHTS AND ELEVATIONS FOR THE TREES, BUSHES AND OTHER LIVING REFERENCE AND SHOULD NOT BE USED FOR DESIGN PURPOSES.
- NOTICE OF THE SURVEYOR PRIOR TO COMMENCEMENT OF ANY WORK.

SCHEDULE B (EXCEPTIONS)

ITEM A IS PROPERTY TAX RELATED ITEM B IS TAX RELATED ITEM C IS LIENS RELATED ITEM D IS LIEN OF SUPPLEMENTAL OR ESCAPED ASSESSMENTS OF PROPERTY TAXES RELATED ITEM 1 IS WATER RIGHTS RELATED ITEM 4 IS EFFECT RELATED ITEM 5, 7, AND 8 ARE MATTERS RELATED ITEM 11 AND 13 ARE MEMORANDUM OF LEASE RELATED

ITEM 14 IS DEEDS OF TRUST RELATED ITEM 15 IS RIGHTS RELATED

TIE LINE TABLE				
LENGTH	BEARING			
50.00'	N89'14'26"W			
110.00'	N89°14'26"W			
95.37'	S78 [.] 41 [.] 22"W			
58.77'	N89'14'26"W			
	LENGTH 50.00' 110.00' 95.37'			

TIE C	URVE TABLE	
DELTA	RADIUS	ARC LENGTH
29.32,30"	200.00'	103.12'
12.04,12,"	200.00'	42.13'
12.04,12,"	255.00'	53.72'
	DELTA 29.32'30" 12.04'12"	29°32'30" 200.00' 12°04'12" 200.00'

LEGENDS

CENTER LINE PROPERTY LINE EASEMENT LINE WROUGHT IRON FENCE

EXISTING GRADE FINISH SURFACE TOP OF CURB TOP OF POLE

UTILITY POLE

TREE

MONUMENT

FS

FD. SPIKE AND WASHER







4	10/03/2024	PLAN CHECK COMMENTS
3	07/15/2024	REVISED LEGAL DESCRIPTION
2	06/17/2022	FINAL SURVEY
1	06/01/2022	PRELIMINARY SURVEY
REV	DATE	DESCRIPTION

ISSUED DATE: -

OCTOBER 03, 2024

ISSUED FOR: -

FINAL SURVEY

LICENSURE: -



PROJECT-INFORMATION: -

<u>CLL01408</u> PONTIAC FIREBIRD 2470 WEST PIONEER AVE. #A, FULLETON, CA 92832

DRAWN BY: CHECKED BY: SHEET-TITLE: ---

TOPOGRAPHIC

SHEET-NUMBER: -

LS-1

SURVEY

LEGAL DESCRIPTION

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE CITY OF FULLERTON, COUNTY OF ORANGE, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

ALL THAT PORTION OF THE NORTHEAST QUARTER OF SECTION 30, TOWNSHIP 3 SOUTH, RANGE 10 WEST, SAN BERNARDINO BASE AND MERIDIAN, PARTLY IN THE RANCHO LOS COYOTES AND PARTLY IN THE RANCHO SAN JUAN CAJON DE SANTA ANA, IN THE CITY OF FULLERTON, COUNTY OF ORANGE, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHWEST CORNER OF THE NORTHEAST QUARTER OF SAID SECTION 30, SAID POINT BEING MARKED BY A 2" IRON PIPE WITH R.E. 2244 TAG SET IN CONCRETE IN THE TOP OF SAID PIPE;

THENCE ALONG THE WEST LINE OF THE NORTHEAST QUARTER OF SAID SECTION 30, SOUTH 1' 12' 50" WEST 312.75 FEET;

THENCE LEAVING SAID WEST LINE NORTH 89' 26' 50" EAST 238.80 FEET;

THENCE NORTH 44' 32' 10" EAST 66.45 FEET; THENCE NORTH 15' 13' 40" EAST 57.30 FEET;

THENCE NORTH 13' 24' 40" WEST 210.22 FEET, MORE OR LESS, TO A POINT IN THE NORTH LINE OF THE NORTHEAST QUARTER OF SAID SECTION 30; THENCE ALONG SAID NORTH LINE NORTH 89' 14' 40" WEST 245.07 FEET, MORE OR LESS, TO THE POINT OF BEGINNING.

EXCEPTING THEREFROM ALL MINERALS. ORES AND PRECIOUS AND USEFUL METALS. SUBSTANCES AND HYDROCARBONS OF EVERY KIND AND CHARACTER, INCLUDING IN PART PETROLEUM, OIL, GAS, ASPHALTUM AND TAR, THAT MAY BE FOUND LOCATED, CONTAINED IN, DEVELOPED OR TAKEN FROM OR UNDER AS BY DEED RECORDED IN BOOK 632, PAGE 214 AND IN BOOK 1133, PAGE 525, BOTH OF OFFICIAL RECORDS.

APN: 280-021-03

EASEMENTS:

ITEM 2 IS NOT PLOTTED. THE EXACT LOCATION AND EXTENT OF SAID EASEMENT IS NOT DISCLOSED OF RECORD.

ITEM 3 IS NOT PLOTTED. THE LOCATION OF EASEMENT IS TOO FAR FROM THE SUBJECT PARCEL.

6 EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT: GRANTED TO: SUNNY HILLS MUTUAL WATER COMPANY PURPOSE: WATER PIPE LINES AND FACILITIES

RECORDING DATE: APRIL 1, 1942 RECORDING NO: BOOK 1133, PAGE 525 OF OFFICIAL RECORDS AFFECTS: A PORTION OF SAID LAND

AND RECORDING DATE: JUNE 8, 1942 AND RECORDING NO: BOOK 1149, PAGE 207 OF OFFICIAL RECORDS

EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT: GRANTED TO: CITY OF FULLERTON PURPOSE: STREET AND HIGHWAY RECORDING DATE: MAY 24, 1961

RECORDING NO: BOOK 5732, PAGE 239 OF OFFICIAL RECORDS AFFECTS: THE WESTERLY 25 FEET OF SAID LAND 10\ EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS

INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT: GRANTED TO: SOUTHERN CALIFORNIA EDISON COMPANY, A CORPORATION PURPOSE: PUBLIC UTILITIES RECORDING DATE: APRIL 8, 1994 RECORDING NO: 94-245872 OF OFFICIAL RECORDS

AFFECTS: A PORTION OF SAID LAND 12\ EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT: GRANTED TO: SOUTHERN CALIFORNIA EDISON COMPANY, A CORPORATION PURPOSE: PUBLIC UTILITIES

RECORDING DATE: MAY 26, 2020 RECORDING NO: 2020-235001 OF OFFICIAL RECORDS AFFECTS: A PORTION OF SAID LAND

PROPERTY LINES DERIVED FROM RECORD OF SURVEY BK. 38 PG. 2 DATED OCTOBER 02, 1957 PARCEL MAP BK. 94 PG. 33 DATED MARCH 31, 1977 TRACT NO. 3871 BK. 205 PG. 11 DATED SEPTEMBER 15, 1964 PARCEL MAP BK. 49 PG. 25 DATED FEBRUARY 08, 1973 TRACT NO. 8331 BK. 336 PG. 44-45 DATED NOVEMBER 29, 1973 CORNER RECORD DOCUMENT NO. 2016-0411B DATED FEBRUARY 26, 2016

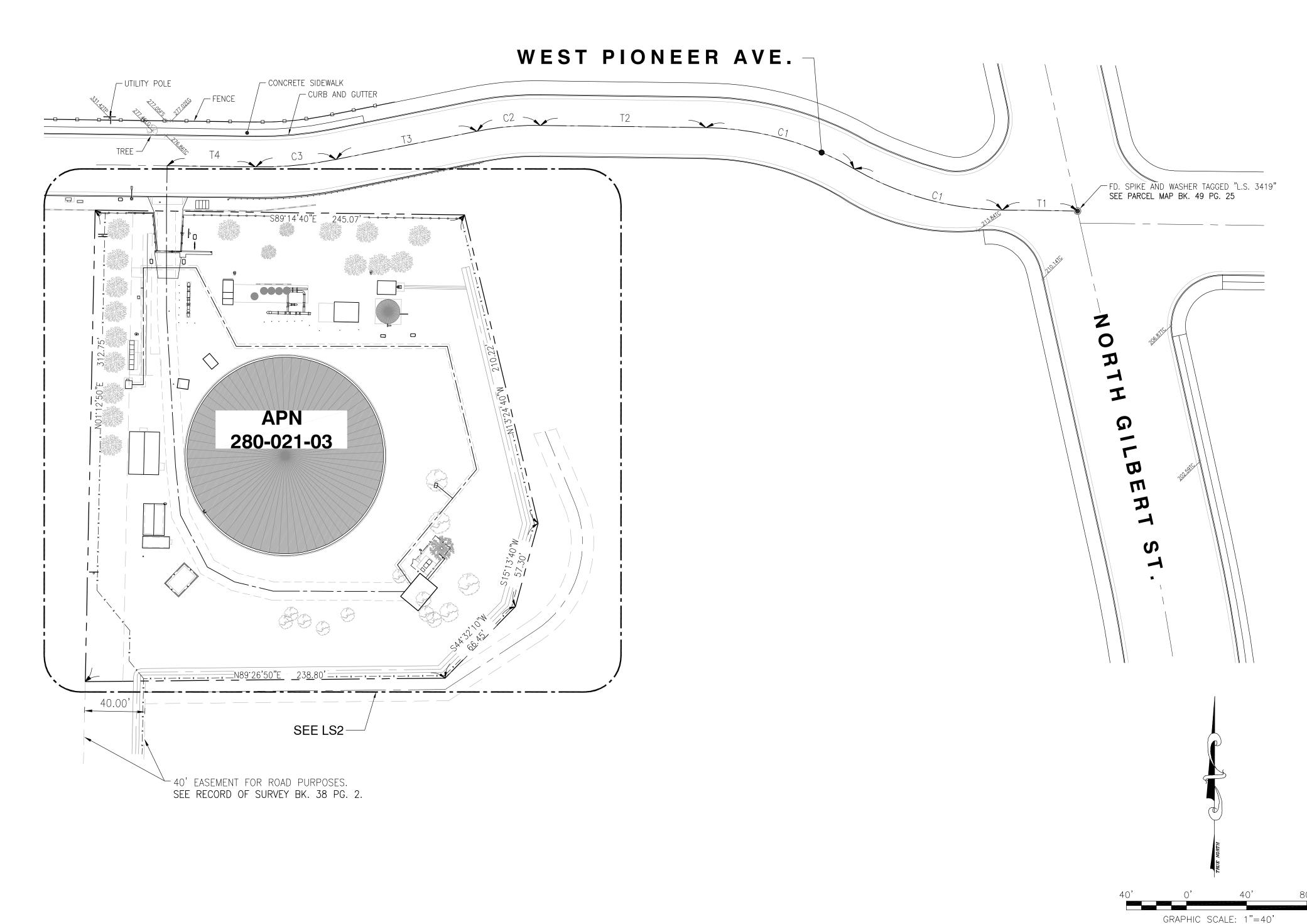
THE PROPERTY LINES AND EASEMENTS SHOWN HEREON ARE FROM RECORD INFORMATION AS NOTED HEREON. CELLSITE CONCEPTS TRANSLATED THE TOPOGRAPHIC SURVEY TO RECORD INFORMATION USING FOUND MONUMENTS SHOWN HEREON. THE LOCATION OF PROPERTY LINES SHOWN HEREON ARE APPROXIMATE AND FOR INFORMATIONAL PURPOSES ONLY. THEY ARE NOT TO

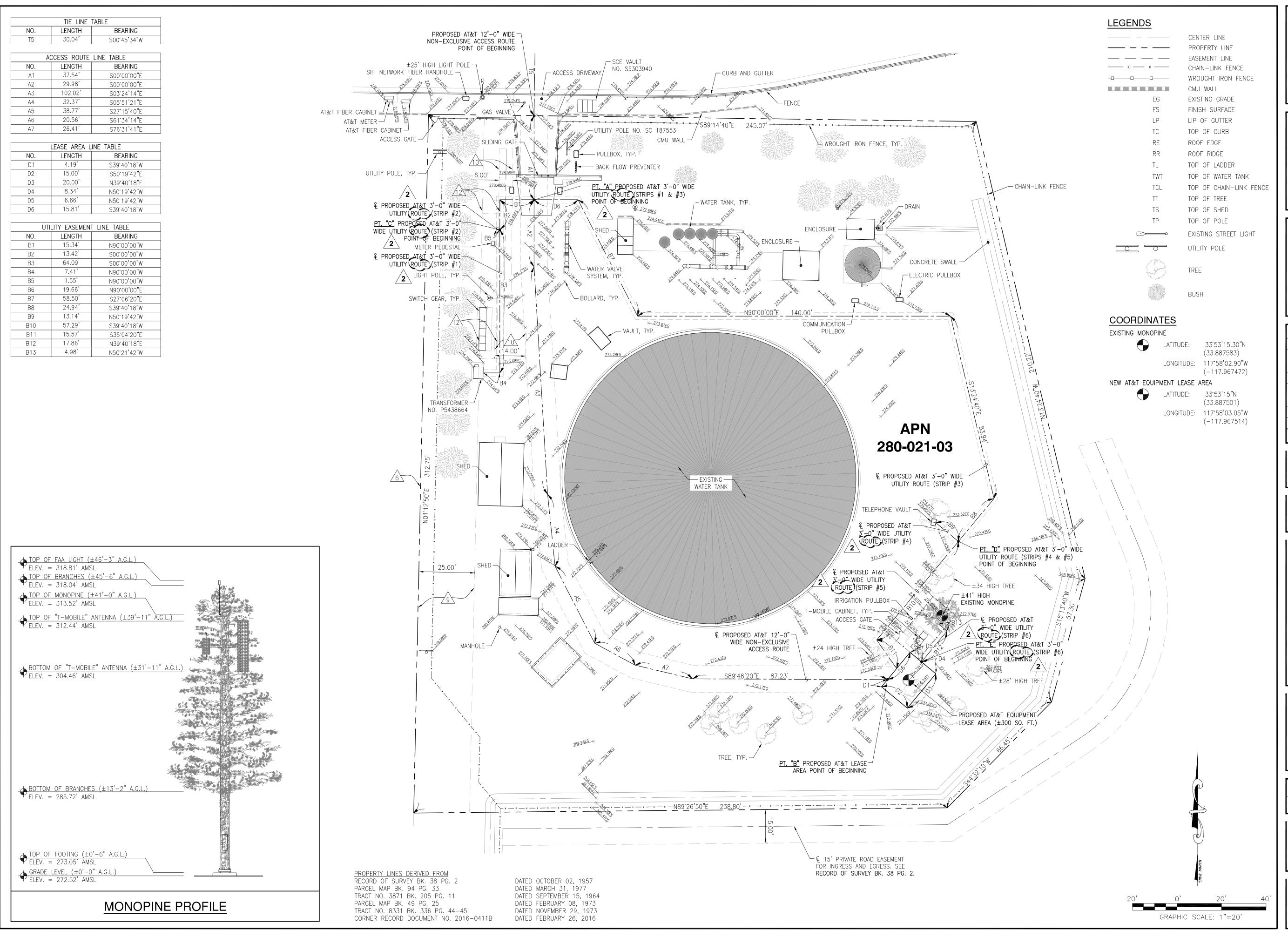
2. ANY CHANGES MADE TO THE INFORMATION ON THIS PLAN, WITHOUT THE WRITTEN CONSENT OF CELLSITE CONCEPTS, RELIEVES CELLSITE CONCEPTS OF

PLANTS SHOWN HEREON, SHOULD BE CONSIDERED APPROXIMATE (+/-) AND ONLY FOR THE DATE OF THIS SURVEY. THEY ARE PROVIDED AS A GENERAL

4. WRITTEN DIMENSIONS SHALL TAKE PREFERENCE OVER SCALED & SHALL BE VERIFIED ON THE JOB SITE. ANY DISCREPANCY SHALL BE BROUGHT TO THE

5. FIELD SURVEY COMPLETED ON MAY 17, 2022.











4	10/03/2024	PLAN CHECK COMMENTS
3	07/15/2024	REVISED LEGAL DESCRIPTION
2	06/17/2022	FINAL SURVEY
1	06/01/2022	PRELIMINARY SURVEY
REV	DATE	DESCRIPTION

ISSUED DATE: -

OCTOBER 03, 2024

ISSUED FOR: •

FINAL SURVEY

LICENSURE: -



PROJECT-INFORMATION: -

CLL01408

PONTIAC FIREBIRD

2470 WEST PIONEER AVE. #A,
FULLETON, CA 92832

	DRAWN BY:	VNS
	CHECKED BY:	RH
	SHEETTITLE:	

TOPOGRAPHIC SURVEY

SHEET-NUMBER: -

LS-2

12 FEET WIDE NON-EXCLUSIVE ACCESS ROUTE CENTERLINE DESCRIPTION:

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE CITY OF FULLERTON, COUNTY OF ORANGE, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

ALL THAT PORTION OF THE NORTHEAST QUARTER OF SECTION 30, TOWNSHIP 3 SOUTH, RANGE 10 WEST, SAN BERNARDINO BASE AND MERIDIAN, PARTLY IN THE RANCHO LOS COYOTES AND PARTLY IN THE RANCHO SAN JUAN CAJON DE SANTA ANA, IN THE CITY OF FULLERTON, COUNTY OF ORANGE, STATE OF CALIFORNIA.

A STRIP OF LAND FOR NON-EXCLUSIVE ACCESS ROUTE PURPOSES FOR THE LAND REFERRED TO HEREIN SITUATED IN THE CITY OF FULLERTON, COUNTY OF ORANGE, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

A ROUTE TWELVE (12.00) FEET IN WIDTH LYING SIX (6.00) FEET ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE TO WIT:

COMMENCING AT THE NORTH 1/4 CORNER OF SAID SECTION 30, ALSO BEING THE CENTERLINE INTERSECTION OF NORTH GILBERT STREET AND WEST PIONEER AVENUE ON A FOUND SPIKE AND WASHER TAGGED "L.S. 3419", AS SHOWN ON THAT PARCEL MAP, FILED IN BOOK 49 ON PAGE 25 IN THE OFFICE OF THE COUNTY RECORDER OF ORANGE COUNTY; THENCE NORTHWESTERLY ALONG THE CENTERLINE OF WEST PIONEER AVENUE, NORTH 89'14'26" WEST A DISTANCE OF 50.00 FEET TO THE BEGINNING OF A TANGENT CURVE CONCAVE TO THE NORTHEAST HAVING A RADIUS OF 200.00 FEET; THENCE NORTHWESTERLY, 103.12 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 29'32'30" TO THE BEGINNING OF A REVERSE CURVE CONCAVE TO THE SOUTHWEST HAVING A RADIUS OF 200.00 FEET; THENCE NORTHWESTERLY, 103.12 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 29'32'30"; THENCE NORTH 89'14'26" WEST A DISTANCE OF 110.00 FEET TO THE BEGINNING OF A TANGENT CURVE CONCAVE TO THE SOUTHEAST HAVING A RADIUS OF 200.00 FEET; THENCE SOUTHWESTERLY, 42.13 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 12'04'12"; THENCE SOUTH 78'41'22" WEST A DISTANCE OF 95.37 FEET TO THE BEGINNING OF A TANGENT CURVE CONCAVE TO THE NORTHWEST HAVING A RADIUS OF 255.00 FEET; THENCE SOUTHWESTERLY, 53.72 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 12'04'12"; THENCE NORTH 89'14'26" WEST A DISTANCE OF 58.77 FEET; THENCE LEAVING CENTERLINE OF WEST PIONEER AVENUE, SOUTH 00'45'34" WEST A DISTANCE OF 30.04 FEET TO THE POINT OF BEGINNING OF THIS CENTERLINE DESCRIPTION:

THENCE SOUTH 00.00.00" EAST, A DISTANCE OF 37.54 FEET TO A POINT REFERRED TO HEREINAFTER AS POINT "A";

THENCE SOUTH 00.00'00" EAST, A DISTANCE OF 29.98 FEET; THENCE SOUTH 03'24'14" EAST, A DISTANCE OF 102.02 FEET;

THENCE SOUTH 05'51'21" EAST, A DISTANCE OF 32.37 FEET;

THENCE SOUTH 27.15'40" EAST, A DISTANCE OF 38.77 FEET;

THENCE SOUTH 61'34'14" EAST, A DISTANCE OF 20.56 FEET; THENCE SOUTH 76'31'41" EAST, A DISTANCE OF 26.41 FEET;

THENCE SOUTH 89'48'20" EAST A DISTANCE OF 87.23 FEET TO A POINT ON THE SOUTHWESTERLY LINE OF THE PROPOSED AT&T LEASE AREA, REFERRED TO HEREINAFTER AS POINT "B", ALSO BEING THE TERMINUS POINT OF THIS CENTERLINE DESCRIPTION.

THE SIDE LINES OF SAID TWELVE (12.00) FEET WIDE ACCESS ROUTE IS TO BE EXTENDED AND/OR SHORTENED TO TERMINATE IN THE LANDS OF THE GRANTOR AND SHALL BE JOINED AT ALL ANGLE POINTS.

SUBJECT TO ALL EASEMENTS AND/OR RIGHT-OF-WAY RECORDS.

SEE NON-EXCLUSIVE ACCESS ROUTE ON SHEET LS-2.

PROPOSED AT&T LEASE AREA DESCRIPTION:

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE CITY OF FULLERTON, COUNTY OF ORANGE, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

ALL THAT PORTION OF THE NORTHEAST QUARTER OF SECTION 30, TOWNSHIP 3 SOUTH, RANGE 10 WEST, SAN BERNARDINO BASE AND MERIDIAN, PARTLY IN THE RANCHO LOS COYOTES AND PARTLY IN THE RANCHO SAN JUAN CAJON DE SANTA ANA, IN THE CITY OF FULLERTON, COUNTY OF ORANGE, STATE OF CALIFORNIA.

A STRIP OF LAND FOR AT&T LEASE AREA PURPOSES FOR THE LAND REFERRED TO HEREIN SITUATED IN THE CITY OF FULLERTON, COUNTY OF ORANGE, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS TO WIT:

BEGINNING AT SAID POINT "B";

THENCE SOUTH 39'40'18" WEST, A DISTANCE OF 4.19 FEET;

THENCE SOUTH 50'19'42" EAST, A DISTANCE OF 15.00 FEET; THENCE NORTH 39'40'18" EAST. A DISTANCE OF 20.00 FEET:

THENCE NORTH 50°19'42" WEST, A DISTANCE OF 8.34 FEET TO A POINT REFERRED TO HEREINAFTER AS <u>POINT "E"</u>;

THENCE NORTH 50'19'42" WEST, A DISTANCE OF 6.66 FEET;

THENCE SOUTH 39'40'18" WEST, A DISTANCE OF 15.81 FEET TO THE POINT OF BEGINNING OF THIS PROPOSED AT&T LEASE AREA DESCRIPTION.

CONTAINING 300 SQUARE FEET MORE OR LESS.

SUBJECT TO ALL EASEMENTS AND/OR RIGHT-OF-WAY RECORDS.

SEE AT&T LEASE AREA ON SHEET LS-2.

3 FEET WIDE UTILITY ROUTE CENTERLINE DESCRIPTION (STRIP #1):

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE CITY OF FULLERTON, COUNTY OF ORANGE, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

ALL THAT PORTION OF THE NORTHEAST QUARTER OF SECTION 30, TOWNSHIP 3 SOUTH, RANGE 10 WEST, SAN BERNARDINO BASE AND MERIDIAN, PARTLY IN THE RANCHO LOS COYOTES AND PARTLY IN THE RANCHO SAN JUAN CAJON DE SANTA ANA, IN THE CITY OF FULLERTON, COUNTY OF ORANGE, STATE OF CALIFORNIA.

A STRIP OF LAND FOR UTILITY EASEMENT PURPOSES FOR THE LAND REFERRED TO HEREIN SITUATED IN THE CITY OF FULLERTON, COUNTY OF ORANGE, STATE OF CALIFORNIA AND IS DESCRIBED AS FOLLOWS:

AN EASEMENT FOR POWER UTILITIES THREE (3.00) FEET IN WIDTH LYING ONE AND A HALF (1.50) FEET ON EACH

BEGINNING AT SAID **POINT "A"**;

THENCE NORTH 90.00,00, WEST, A DISTANCE OF 15.34 FEET;

SIDE OF THE FOLLOWING DESCRIBED CENTERLINE TO WIT:

THENCE SOUTH 00'00'00" WEST, A DISTANCE OF 13.42 FEET TO A POINT REFERRED TO HEREINAFTER AS POINT "C";

THENCE SOUTH 00'00'00" WEST, A DISTANCE OF 64.09 FEET; THENCE NORTH 90'00'00" WEST, A DISTANCE OF 7.41 FEET TO THE TERMINUS POINT OF THIS CENTERLINE DESCRIPTION.

THE SIDE LINES OF SAID THREE (3.00) FEET WIDE UTILITY EASEMENT IS TO BE EXTENDED AND/OR SHORTENED TO TERMINATE IN THE LANDS OF THE GRANTOR AND SHALL BE JOINED AT ALL ANGLE POINTS.

SUBJECT TO ALL EASEMENTS AND/OR RIGHT-OF-WAY RECORDS.

SEE UTILITY EASEMENT (STRIP #1) ON SHEET LS-2.

~ 3 FEET WIDE UTILITY ROUTE CENTERLINE DESCRIPTION (STRIP #2):

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE CITY OF FULLERTON, COUNTY OF ORANGE, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

ALL THAT PORTION OF THE NORTHEAST QUARTER OF SECTION 30, TOWNSHIP 3 SOUTH, RANGE 10 WEST, SAN BERNARDINO BASE AND MERIDIAN, PARTLY IN THE RANCHO LOS COYOTES AND PARTLY IN THE RANCHO SAN JUAN CAJON DE SANTA ANA, IN THE CITY OF FULLERTON, COUNTY OF ORANGE, STATE OF CALIFORNIA.

A STRIP OF LAND FOR UTILITY EASEMENT PURPOSES FOR THE LAND REFERRED TO HEREIN SITUATED IN THE CITY OF FULLERTON, COUNTY OF ORANGE, STATE OF CALIFORNIA AND IS DESCRIBED AS FOLLOWS:

AN EASEMENT FOR POWER UTILITIES THREE (3.00) FEET IN WIDTH LYING ONE AND A HALF (1.50) FEET ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE TO WIT:

BEGINNING AT SAID <u>POINT "C"</u>; THENCE NORTH 90.00.00" WEST, A DISTANCE OF 1.55 FEET TO THE TERMINUS POINT OF THIS CENTERLINE

THE SIDE LINES OF SAID THREE (3.00) FEET WIDE UTILITY EASEMENT IS TO BE EXTENDED AND/OR SHORTENED TO TERMINATE IN THE LANDS OF THE GRANTOR AND SHALL BE JOINED AT ALL ANGLE POINTS.

SUBJECT TO ALL EASEMENTS AND/OR RIGHT-OF-WAY RECORDS.

SEE UTILITY EASEMENT (STRIP #2) ON SHEET/ \S -2

3 FEET WIDE UTILITY ROUTE CENTERLINE DESCRIPTION (STRIP #3):

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE CITY OF FULLERTON, COUNTY OF ORANGE, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

ALL THAT PORTION OF THE NORTHEAST QUARTER OF SECTION 30, TOWNSHIP 3 SOUTH, RANGE 10 WEST, SAN BERNARDINO BASE AND MERIDIAN, PARTLY IN THE RANCHO LOS COYOTES AND PARTLY IN THE RANCHO SAN JUAN CAJON DE SANTA ANA, IN THE CITY OF FULLERTON, COUNTY OF ORANGE, STATE OF CALIFORNIA.

A STRIP OF LAND FOR UTILITY EASEMENT PURPOSES FOR THE LAND REFERRED TO HEREIN SITUATED IN THE CITY OF FULLERTON, COUNTY OF ORANGE, STATE OF CALIFORNIA AND IS DESCRIBED AS FOLLOWS:

AN EASEMENT FOR POWER UTILITIES THREE (3.00) FEET IN WIDTH LYING ONE AND A HALF (1.50) FEET ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE TO WIT:

BEGINNING AT SAID <u>POINT "A"</u>;

THENCE NORTH 90'00'00" EAST, A DISTANCE OF 19.66 FEET; THENCE SOUTH 27.06'20" EAST, A DISTANCE OF 58.50 FEET;

THENCE NORTH 90'00'00" EAST, A DISTANCE OF 140.00 FEET; THENCE SOUTH 13.24.40" EAST, A DISTANCE OF 83.94 FEET;

THENCE SOUTH 39'40'18" WEST, A DISTANCE OF 24.94 FEET TO A POINT REFERRED TO HEREINAFTER AS POINT "D", ALSO BEING THE TERMINUS POINT OF THIS CENTERLINE DESCRIPTION.

THE SIDE LINES OF SAID THREE (3.00) FEET WIDE UTILITY EASEMENT IS TO BE EXTENDED AND/OR SHORTENED TO TERMINATE IN THE LANDS OF THE GRANTOR AND SHALL BE JOINED AT ALL ANGLE POINTS.

SUBJECT TO ALL EASEMENTS AND/OR RIGHT-OF-WAY RECORDS.

3 FEET WIDE UTILITY ROUTE CENTERLINE DESCRIPTION (STRIP #4)

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE CITY OF FULLERTON, COUNTY OF ORANGE, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

ALL THAT PORTION OF THE NORTHEAST QUARTER OF SECTION 30, TOWNSHIP 3 SOUTH, RANGE 10 WEST, SAN BERNARDINO BASE AND MERIDIAN, PARTLY IN THE RANCHO LOS COYOTES AND PARTLY IN THE RANCHO SAN JUAN CAJON DE SANTA ANA, IN THE CITY OF FULLERTON, COUNTY OF ORANGE, STATE OF CALIFORNIA.

A STRIP OF LAND FOR UTILITY EASEMENT PURPOSES FOR THE LAND REFERRED TO HEREIN SITUATED IN THE CITY OF FULLERTON, COUNTY OF ORANGE, STATE OF CALIFORNIA AND IS DESCRIBED AS FOLLOWS:

AN EASEMENT FOR FIBER UTILITIES THREE (3.00) FEET IN WIDTH LYING ONE AND A HALF (1.50) FEET ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE TO WIT:

BEGINNING AT SAID **POINT "D"**;

THENCE NORTH 50'19'42" WEST, A DISTANCE OF 13.14 FEET TO THE TERMINUS POINT OF THIS CENTERLINE

THE SIDE LINES OF SAID THREE (3.00) FEET WIDE UTILITY EASEMENT IS TO BE EXTENDED AND/OR SHORTENED TO TERMINATE IN THE LANDS OF THE GRANTOR AND SHALL BE JOINED AT ALL ANGLE POINTS.

SUBJECT TO ALL EASEMENTS AND/OR RIGHT-OF-WAY RECORDS.

SEE UTILITY EASEMENT (STRIP #4) ON SHEET/\S-2.

3 FEET WIDE UTILITY ROUTE CENTERLINE DESCRIPTION (STRIP #5): ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE CITY OF FULLERTON, COUNTY OF ORANGE, STATE OF

CALIFORNIA, DESCRIBED AS FOLLOWS:

ALL THAT PORTION OF THE NORTHEAST QUARTER OF SECTION 30, TOWNSHIP 3 SOUTH, RANGE 10 WEST, SAN BERNARDINO BASE AND MERIDIAN, PARTLY IN THE RANCHO LOS COYOTES AND PARTLY IN THE RANCHO SAN JUAN CAJON DE SANTA ANA, IN THE CITY OF FULLERTON, COUNTY OF ORANGE, STATE OF CALIFORNIA.

A STRIP OF LAND FOR UTILITY EASEMENT PURPOSES FOR THE LAND REFERRED TO HEREIN SITUATED IN THE CITY OF FULLERTON, COUNTY OF ORANGE, STATE OF CALIFORNIA AND IS DESCRIBED AS FOLLOWS:

AN EASEMENT FOR FIBER AND POWER UTILITIES THREE (3.00) FEET IN WIDTH LYING ONE AND A HALF (1.50) FEET ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE TO WIT:

BEGINNING AT SAID POINT "D";

THENCE SOUTH 39'40'18" WEST, A DISTANCE OF 57.29 FEET; THENCE SOUTH 35'04'20" EAST, A DISTANCE OF 15.57 FEET TO THE TERMINUS POINT OF THIS CENTERLINE

THE SIDE LINES OF SAID THREE (3.00) FEET WIDE UTILITY EASEMENT IS TO BE EXTENDED AND/OR SHORTENED TO TERMINATE IN THE LANDS OF THE GRANTOR AND SHALL BE JOINED AT ALL ANGLE POINTS.

SUBJECT TO ALL EASEMENTS AND/OR RIGHT-OF-WAY RECORDS.

SEE UTILITY EASEMENT (STRIP #5) ON SHEET LS-2.

~ 3 FEET WIDE UTILITY ROUTE CENTERLINE DESCRIPTION (STRIP #6):

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE CITY OF FULLERTON, COUNTY OF ORANGE, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

ALL THAT PORTION OF THE NORTHEAST QUARTER OF SECTION 30, TOWNSHIP 3 SOUTH, RANGE 10 WEST, SAN BERNARDINO BASE AND MERIDIAN, PARTLY IN THE RANCHO LOS COYOTES AND PARTLY IN THE RANCHO SAN JUAN CAJON DE SANTA ANA, IN THE CITY OF FULLERTON, COUNTY OF ORANGE, STATE OF CALIFORNIA.

A STRIP OF LAND FOR UTILITY EASEMENT PURPOSES FOR THE LAND REFERRED TO HEREIN SITUATED IN THE CITY OF FULLERTON, COUNTY OF ORANGE, STATE OF CALIFORNIA AND IS DESCRIBED AS FOLLOWS:

AN EASEMENT FOR POWER UTILITIES THREE (3.00) FEET IN WIDTH LYING ONE AND A HALF (1.50) FEET ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE TO WIT:

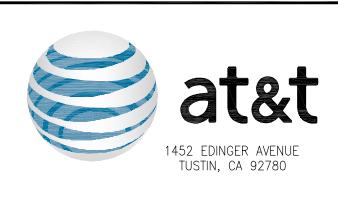
BEGINNING AT SAID POINT "E";

THENCE NORTH 39'40'18" EAST, A DISTANCE OF 17.86 FEET; THENCE NORTH 50'21'42" WEST, A DISTANCE OF 4.98 FEET TO THE TERMINUS POINT OF THIS CENTERLINE DESCRIPTION.

THE SIDE LINES OF SAID THREE (3.00) FEET WIDE UTILITY EASEMENT IS TO BE EXTENDED AND/OR SHORTENED TO TERMINATE IN THE LANDS OF THE GRANTOR AND SHALL BE JOINED AT ALL ANGLE POINTS.

SUBJECT TO ALL EASEMENTS AND/OR RIGHT-OF-WAY RECORDS.

SEE UTILITY EASEMENT (STRIP #6) ON SHEET LS-2.







4	10/03/2024	PLAN CHECK COMMENTS
3	07/15/2024	REVISED LEGAL DESCRIPTION
2	06/17/2022	FINAL SURVEY
1	06/01/2022	PRELIMINARY SURVEY
REV	DATE	DESCRIPTION

ISSUED DATE:

OCTOBER 03, 2024

ISSUED FOR: -

FINAL SURVEY

LICENSURE: -



PROJECT-INFORMATION: -

CLL01408 PONTIAC FIREBIRD 2470 WEST PIONEER AVE. #A, FULLETON, CA 92832

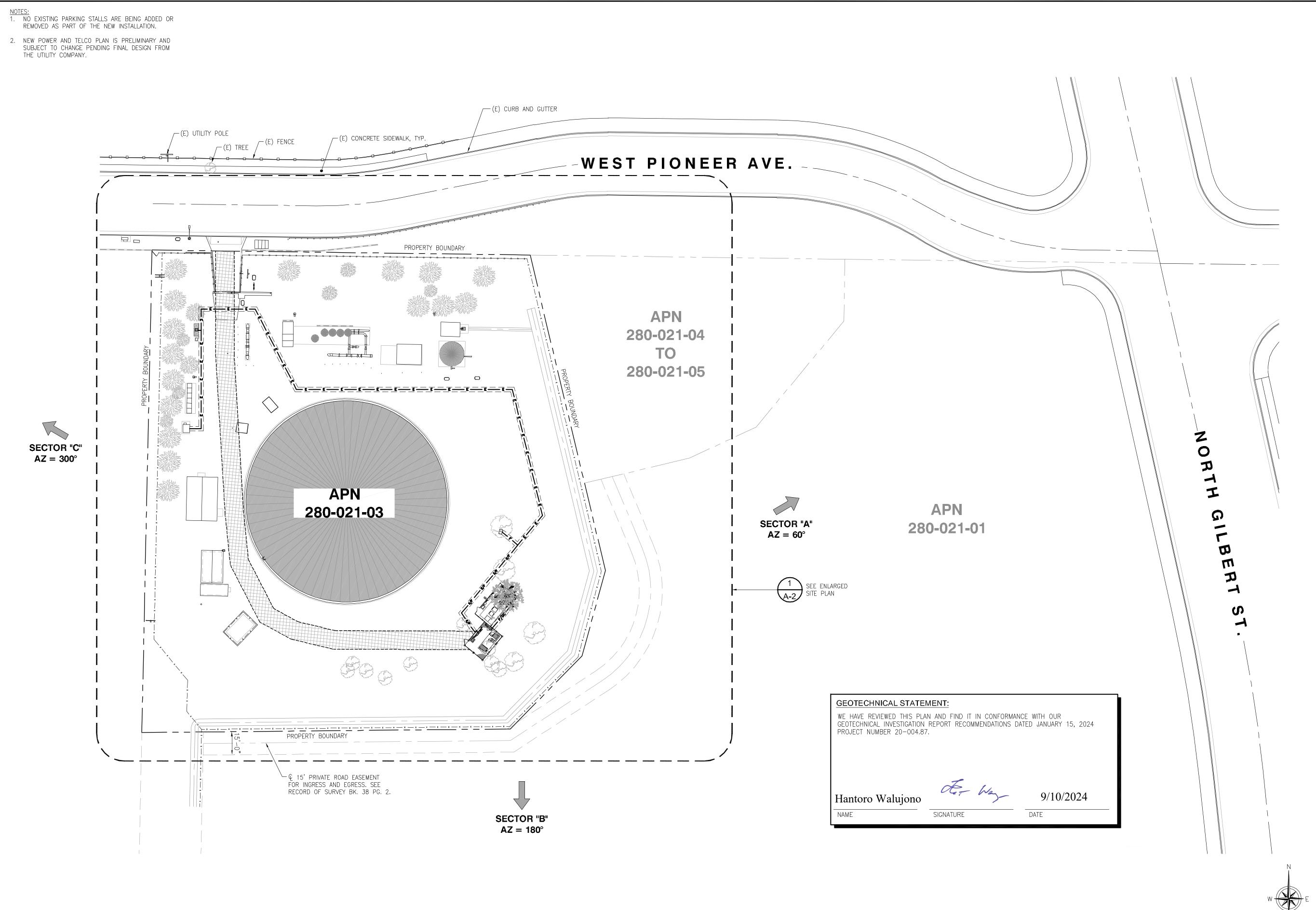
DRAWN BY: CHECKED BY:

SHEET-FITLE: -

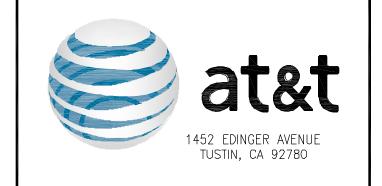
TOPOGRAPHIC SURVEY

SHEET-NUMBER: -

LS-3



SITE PLAN







2	10/03/2024	PLAN CHECK COMMENTS
1	08/02/2024	PLAN CHECK COMMENTS/ ADDED FIBER DESIGN
0	04/26/2024	100% CD'S
В	04/19/2023	REMOVED MW ANTENNA
А	11/04/2022	90% CD'S FOR REVIEW
REV	DATE	DESCRIPTION

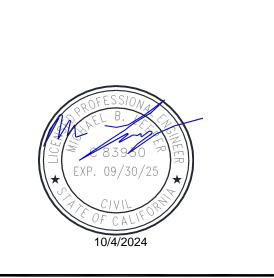
I ISSUED DATE:

10/03/2024

SSUED FOR:

BP SUBMITTAL

LICENSURE: —



PROJECT INFORMATION: —

CLL01408
PONTIAC FIREBIRD

2470 WEST PIONEER AVE. #A, FULLERTON, CA 92832

DRAWN BY:

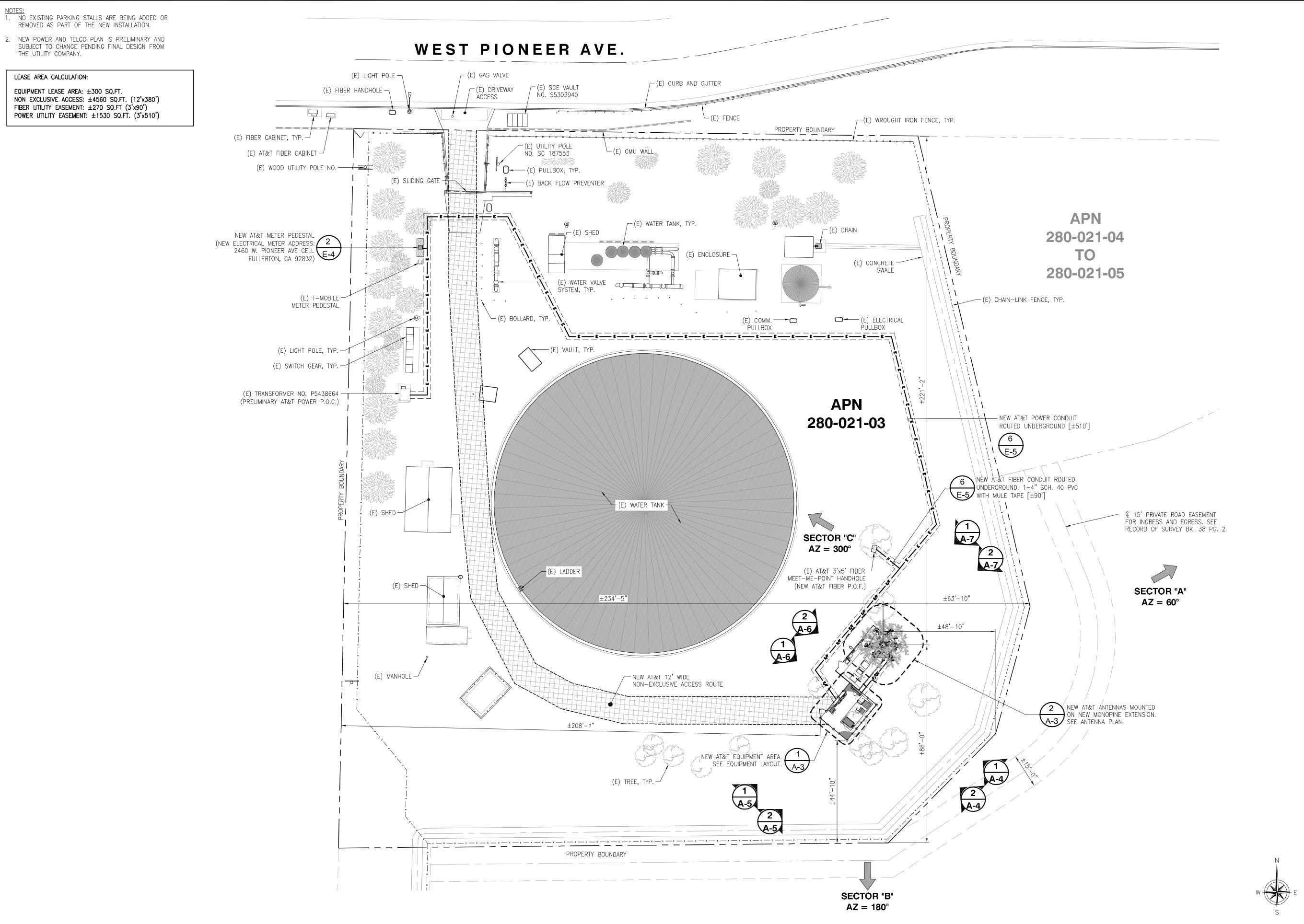
CHECKED BY:

SHEET TITLE:

SITE PLAN

SHEET NUMBER: —

24"x36" SCALE: 1" = 30'-0" 11"x17" SCALE: 1" = 60'-0"



ENLARGED SITE PLAN







2	10/03/2024	PLAN CHECK COMMENTS
1	08/02/2024	PLAN CHECK COMMENTS/ ADDED FIBER DESIGN
0	04/26/2024	100% CD'S
В	04/19/2023	REMOVED MW ANTENNA
Α	11/04/2022	90% CD'S FOR REVIEW
REV	DATE	DESCRIPTION

I ISSUED DATE:

10/03/2024

ISSUED FOR

BP SUBMITTAL

LICENSURE:



PROJECT INFORMATION:

CLL01408

PONTIAC FIREBIRD

2470 WEST PIONEER AVE. #A,
FULLERTON, CA 92832

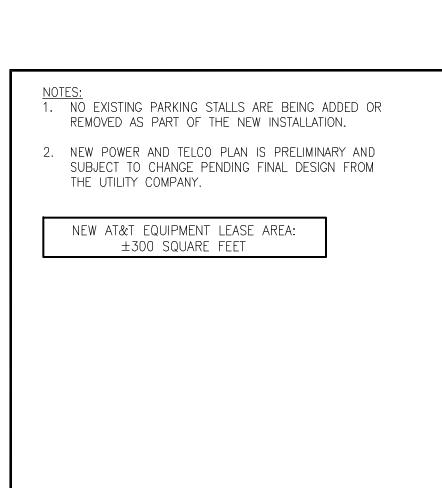
DRAWN BY:	AJYR
CHECKED BY:	SVF

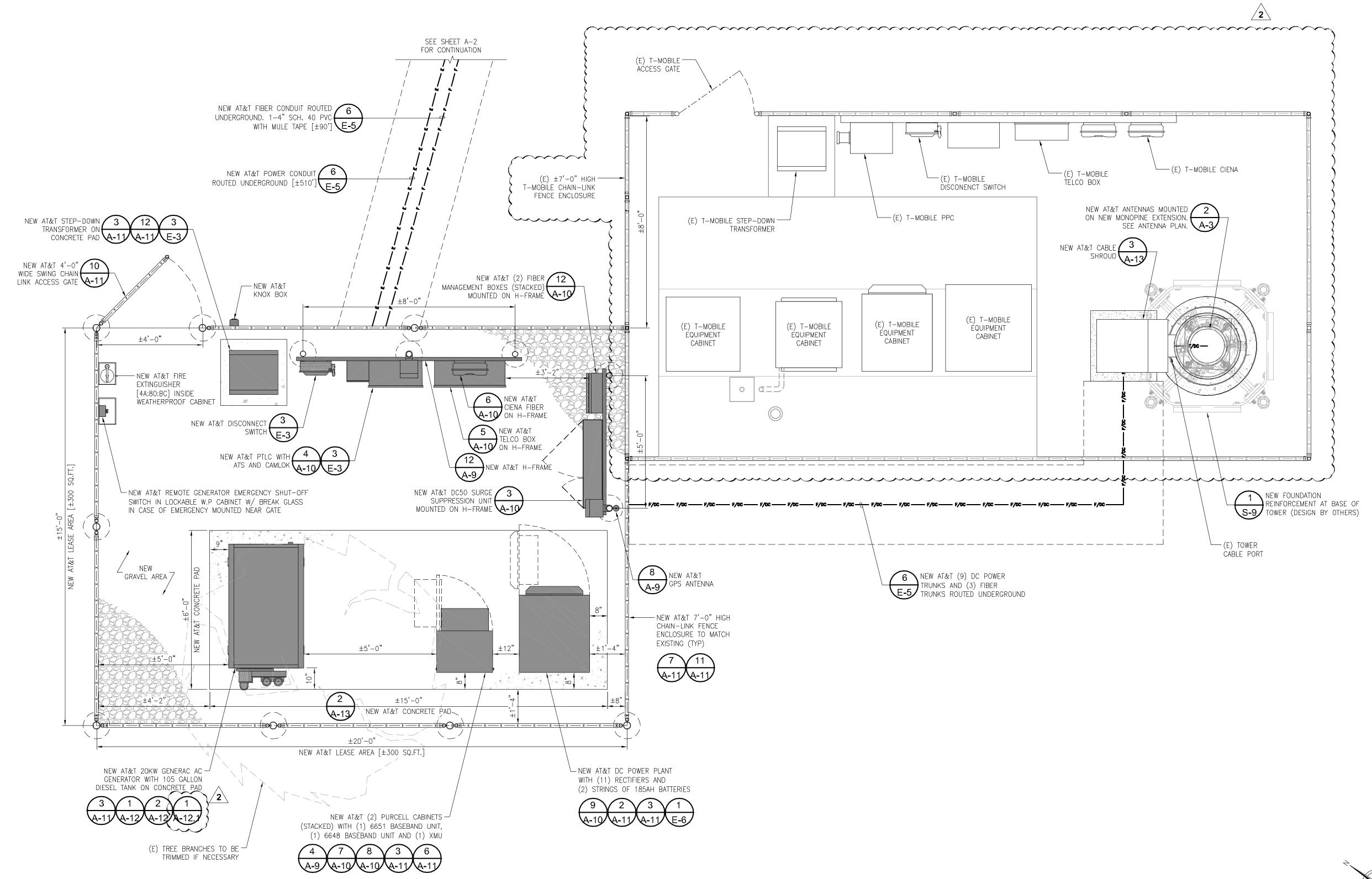
SHEET-TITLE:

ENLARGED SITE PLAN

SHEET-NUMBER:

24"x36" SCALE: 1" = 20'-0" 11"x17" SCALE: 1" = 40'-0"











2	10/03/2024	PLAN CHECK COMMENTS
1	08/02/2024	PLAN CHECK COMMENTS/ ADDED FIBER DESIGN
0	04/26/2024	100% CD'S
В	04/19/2023	REMOVED MW ANTENNA
А	11/04/2022	90% CD'S FOR REVIEW
REV	DATE	DESCRIPTION

ISSUED DATE:

10/03/2024

BP SUBMITTAL

LICENSURE:



PROJECT INFORMATION:

CLL01408 PONTIAC FIREBIRD 2470 WEST PIONEER AVE. #A, FULLERTON, CA 92832

DRAWN BY:	AJYR
CHECKED BY:	SVF

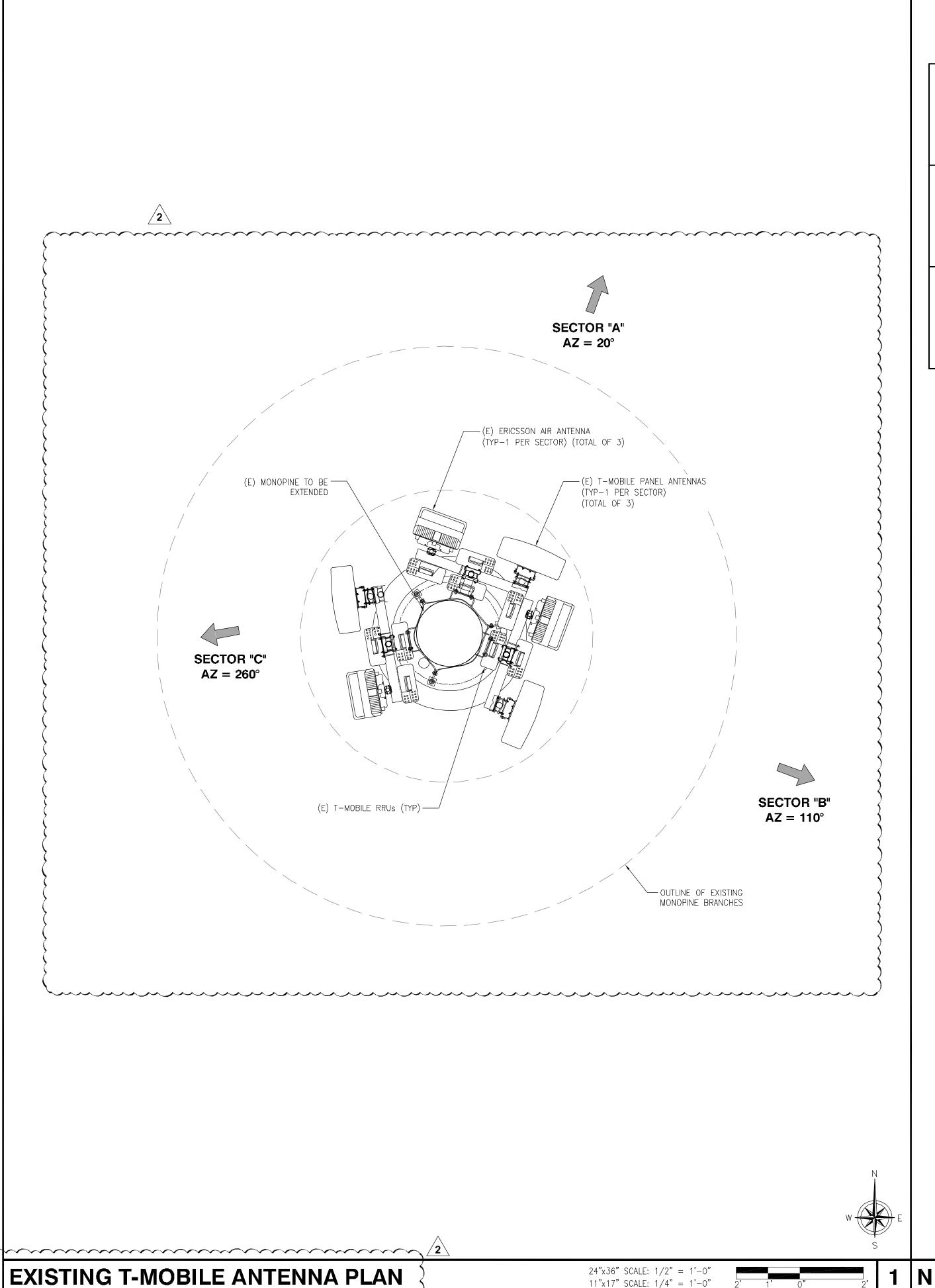
SHEET-TITLE:

NEW EQUIPMENT LAYOUT

SHEET NUMBER:

A-3

24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" **NEW EQUIPMENT LAYOUT**

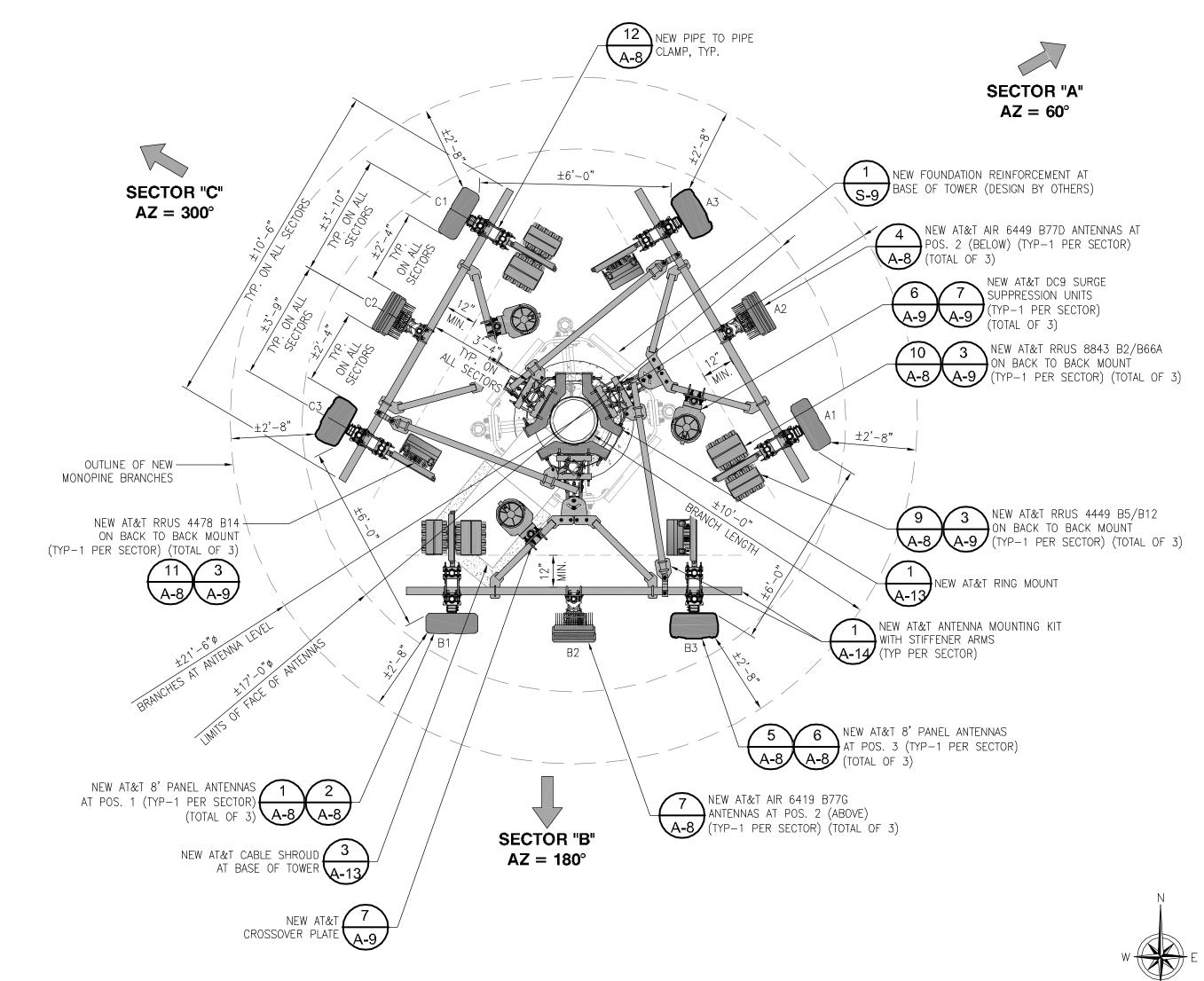


Cummunumum de de la company de

	NEW ANTENNA SCHEDULE [RFDS REV 2.00 DATED 02/29/2024]												
	ANTENNA POSITION	STATUS	RAD CENTER	TECHNOLOGY	ANTENNA MAKE/MODEL	AZIMUTH	ANTENNA COUNT	FILTER COUNT	TMA COUNT	TRANSMISSION LENGTH	TRANSMISSION TYPE(S)	RRUS MAKE/MODEL	RRUS COUNT
	A1	NEW	±56'-0"	LTE 700/	COMMSCOPE NNH4-65C-R6-V3	60°	1	_	_	±85'-0"		ERICSSON RRUS 4449 B5/B12	1
<u>K</u>	7 (1	11211	±50 0	850/1900/AWS			'			100 0		ERICSSON RRUS 8843 B2/B66A	1 1
SECTOR	A2	NEW	±58'-10"	C-BAND DOD	ERICSSON AIR 6419 B77G 28.3"HX16.1"WX7.9"D	60°	1	_	_	±85'-0"	(3) POWER	ERICSSON AIR 6419 B77G	1 1
					ERICSSON AIR 6449 B77D						TRUNKS AND (1) FIBER TRUNK	ERICSSON AIR 6449 B77D	1
ALPHA	A2	NEW	±55'-4"	C-BAND	31"HX15.9"WX8.7"D	60,	1	-	_	±85'-0"	(I) FIBER IRUNK	_	<u> </u>
⋖	А3	NEW	±56'-0"	LTE 700FN	QUINTEL QD8612-7 96"HX18.1"WX9.6"D	60°	1	-	_	±85'-0"		ERICSSON RRUS 4478 B14	1 –
	5.4	11511	+ 5 ol ol	LTE 700/	COMMSCOPE NNH4-65C-R6-V3							ERICSSON RRUS 4449 B5/B12	1
	B1	NEW	±56'-0"	850/1900/AWS	96"HX19.6"WX7.8"D	180°	1	_	_	±85'-0"		ERICSSON RRUS 8843 B2/B66A	1
SECTOR	B2	NEW	±58'-10"	C-BAND DOD	ERICSSON AIR 6419 B77G 28.3"HX16.1"WX7.9"D	180°	1	-	_	±85'-0"	(3) POWER	ERICSSON AIR 6419 B77G	1
					ERICSSON AIR 6449 B77D						TRUNKS AND	ERICSSON AIR 6449 B77D	1 1
BETA	В2	NEW	±55'-4"	C-BAND	31"HX15.9"WX8.7"D	180°	1	_	_	±85'-0"	(1) FIBER TRUNK	_	
ш	B3	NEW	±56'-0"	LTE 700FN	QUINTEL QD8612-7	180°	1	_	_	±85'-0"		ERICSSON RRUS 4478 B14	1
				,	96"HX18.1"WX9.6"D							ERICSSON RRUS 4449 B5/B12	<u> </u>
	C1	NEW	±56'-0"	LTE 700/ 850/1900/AWS	COMMSCOPE NNH4-65C-R6-V3 96"HX19.6"WX7.8"D	300°	1	_	_	±85'-0"		ERICSSON RRUS 8843 B2/B66A	1 1
SECTOR	0.0		.501 .59	, , ,	ERICSSON AIR 6419 B77G							ERICSSON AIR 6419 B77G	1
SEC	C2	NEW	±58'-10"	C-BAND DOD	28.3"HX16.1"WX7.9"D	300°	1		_	±85'-0"	(3) POWER TRUNKS AND	_	_
GAMMA	C2	NEW	±55'-4"	C-BAND	ERICSSON AIR 6449 B77D 31"HX15.9"WX8.7"D	300°	1	_	_	±85'-0"	(1) FIBER TRUNK	ERICSSON AIR 6449 B77D	1
GAN					31 HX15.9 WX8.7 D QUINTEL QD8612-7				-	_		ERICSSON RRUS 4478 B14	<u> </u>
	С3	NEW	±56'-0"	LTE 700FN	96"HX18.1"WX9.6"D	300°	1	_	_	±85'-0"		-	

NOTES:

- THE NEW LAYOUT IS PRELIMINARY AND SUBJECT TO CHANGE PENDING FULL STRUCTURAL ANALYSIS.
- 2. NEW AT&T ANTENNAS, RRUS, SURGE SUPPRESSION UNITS AND ANTENNA MOUNTING KIT TO BE PAINTED GREEN FOR CONCEALMENT. COVER ANTENNAS WITH RF-FRIENDLY LEAF SOCKS









2	10/03/2024	PLAN CHECK COMMENTS
1	08/02/2024	PLAN CHECK COMMENTS/ ADDED FIBER DESIGN
0	04/26/2024	100% CD'S
В	04/19/2023	REMOVED MW ANTENNA
А	11/04/2022	90% CD'S FOR REVIEW
REV	DATE	DESCRIPTION

| ISSUED DATE:

10/03/2024

ISSUED-FO

BP SUBMITTAL

LICENSURE: —



PROJECT INFORMATION: —

CLL01408
PONTIAC FIREBIRD
2470 WEST PIONEER AVE. #A,

DRAWN BY: AJYR

FULLERTON, CA 92832

SHEET-TITLE:

CHECKED BY:

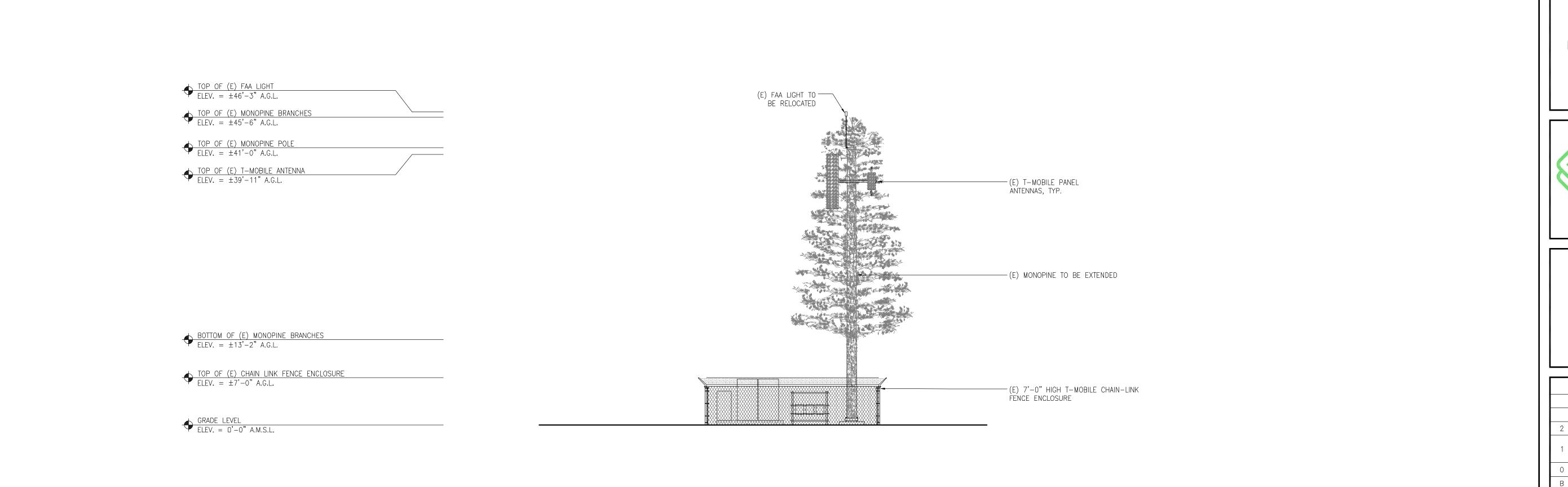
EXISTING ANTENNA AND NEW ANTENNA PLAN

| SHEET-NUMBER:

24"x36" SCALE: 3/8" = 1'-0" 11"x17" SCALE: 3/16" = 1'-0"

A-3.1

NEW AT&T ANTENNA PLAN







16885 VIA DEL CAMPO CT., SUITE 318 SAN DIEGO, CA 92127 tel: (858) 432-4112 / (858) 432-4257

2	10/03/2024	PLAN CHECK COMMENTS
1	08/02/2024	PLAN CHECK COMMENTS/ ADDED FIBER DESIGN
0	04/26/2024	100% CD'S
В	04/19/2023	REMOVED MW ANTENNA
А	11/04/2022	90% CD'S FOR REVIEW
REV	DATE	DESCRIPTION

ISSUED DATE:

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

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

10/03/2024

ISSUED-FO

BP SUBMITTAL

LICENSURE: —



PROJECT INFORMATION:

CLL01408

PONTIAC FIREBIRD

2470 WEST PIONEER AVE. #A,
FULLERTON, CA 92832

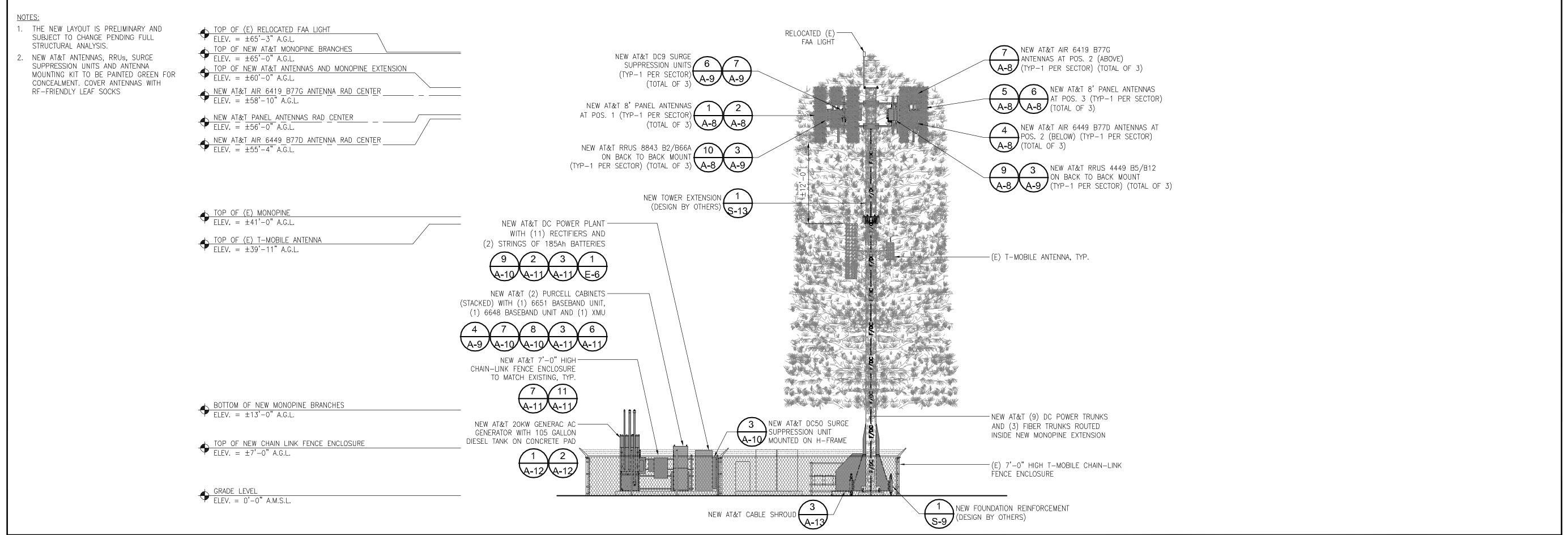
DRAWN BY:	AJYR
CHECKED BY:	SVF
- CHEET TITLE	

ELEVATIONS

_

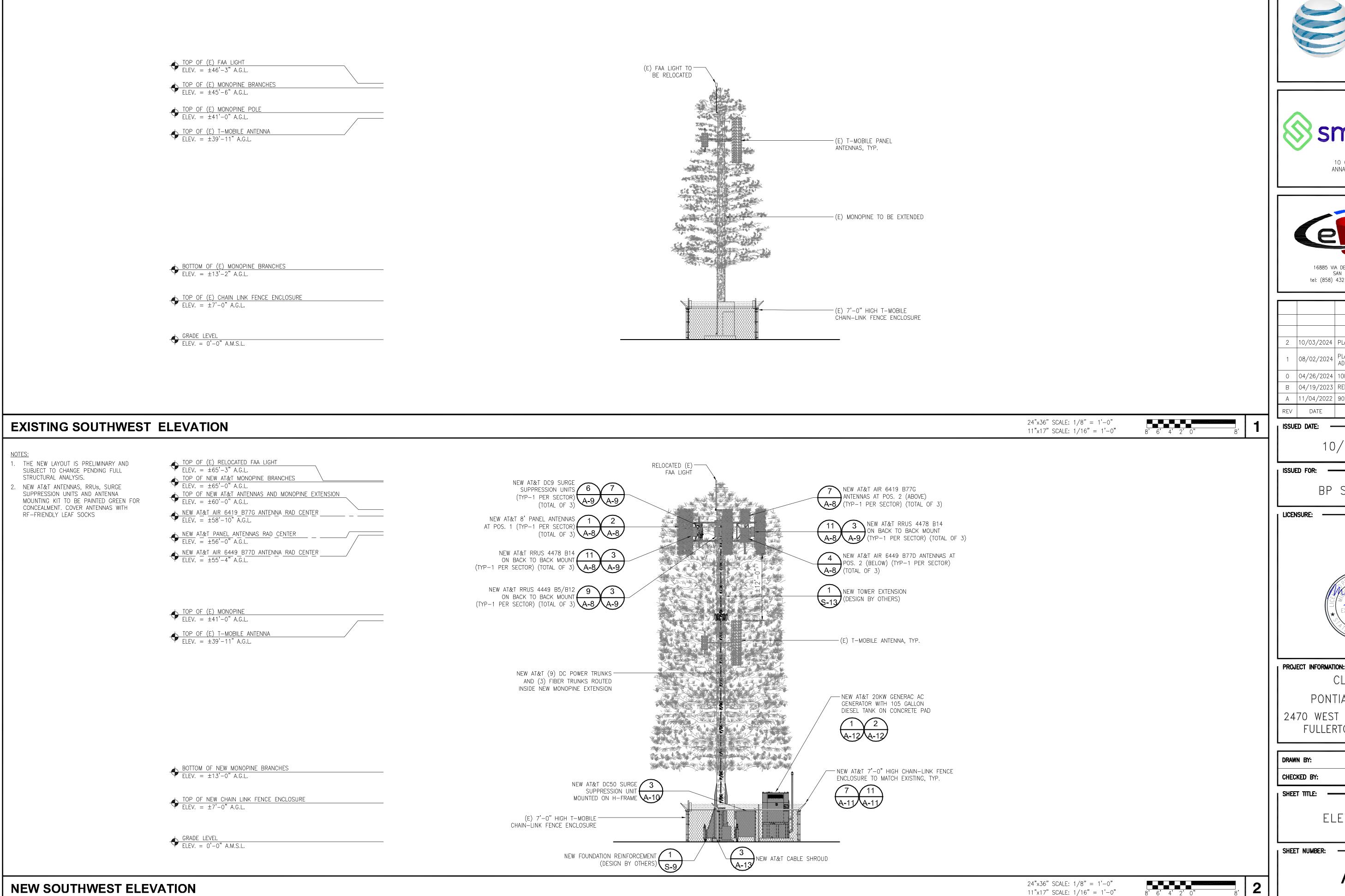
SHEET-NUMBER: —

A-4



EXISTING SOUTHEAST ELEVATION

NEW SOUTHEAST ELEVATION









2	10/03/2024	PLAN CHECK COMMENTS
1	08/02/2024	PLAN CHECK COMMENTS/ ADDED FIBER DESIGN
0	04/26/2024	100% CD'S
В	04/19/2023	REMOVED MW ANTENNA
А	11/04/2022	90% CD'S FOR REVIEW
REV	DATE	DESCRIPTION

ISSUED DATE:

10/03/2024

BP SUBMITTAL

LICENSURE: —

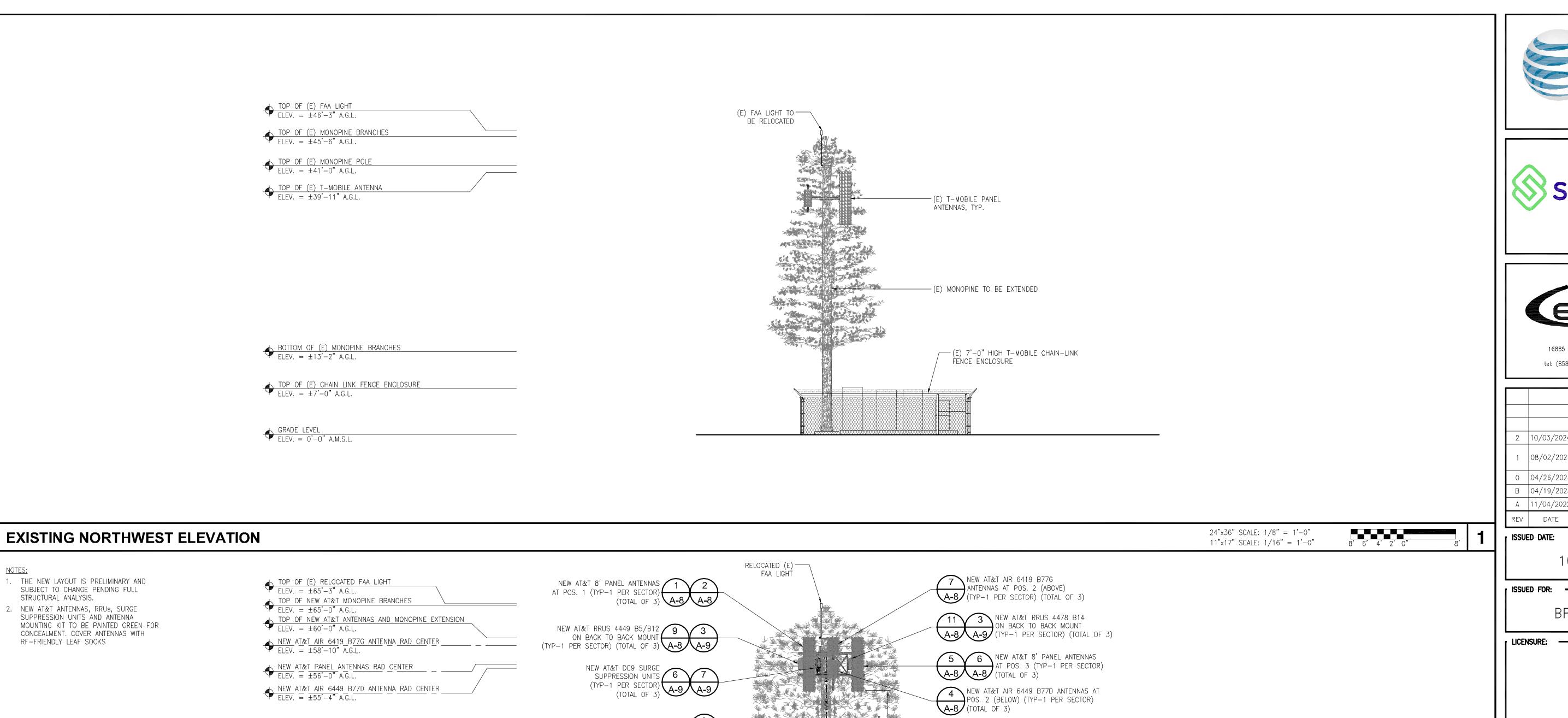


PROJECT INFORMATION: — CLL01408 PONTIAC FIREBIRD

2470 WEST PIONEER AVE. #A, FULLERTON, CA 92832

DRAWN BY:	AJYR
CHECKED BY:	SVF
SHEET-TITLE:	

ELEVATIONS



TOP OF (E) MONOPINE
ELEV. = ±41'-0" A.G.L.

TOP OF (E) T-MOBILE ANTENNA ELEV. = ±39'-11" A.G.L.

BOTTOM OF NEW MONOPINE BRANCHES

ELEV. = ±13'-0" A.G.L.

GRADE LEVEL

ELEV. = 0'-0" A.M.S.L.

NEW NORTHWEST ELEVATION

TOP OF NEW CHAIN LINK FENCE ENCLOSURE ELEV. = ±7'-0" A.G.L.







	2	10/03/2024	PLAN CHECK COMMENTS
	1	08/02/2024	PLAN CHECK COMMENTS/ ADDED FIBER DESIGN
	0	04/26/2024	100% CD'S
	В	04/19/2023	REMOVED MW ANTENNA
	А	11/04/2022	90% CD'S FOR REVIEW
	REV	DATE	DESCRIPTION

ISSUED DATE:

10/03/2024

ISSUED FOR:

BP SUBMITTAL



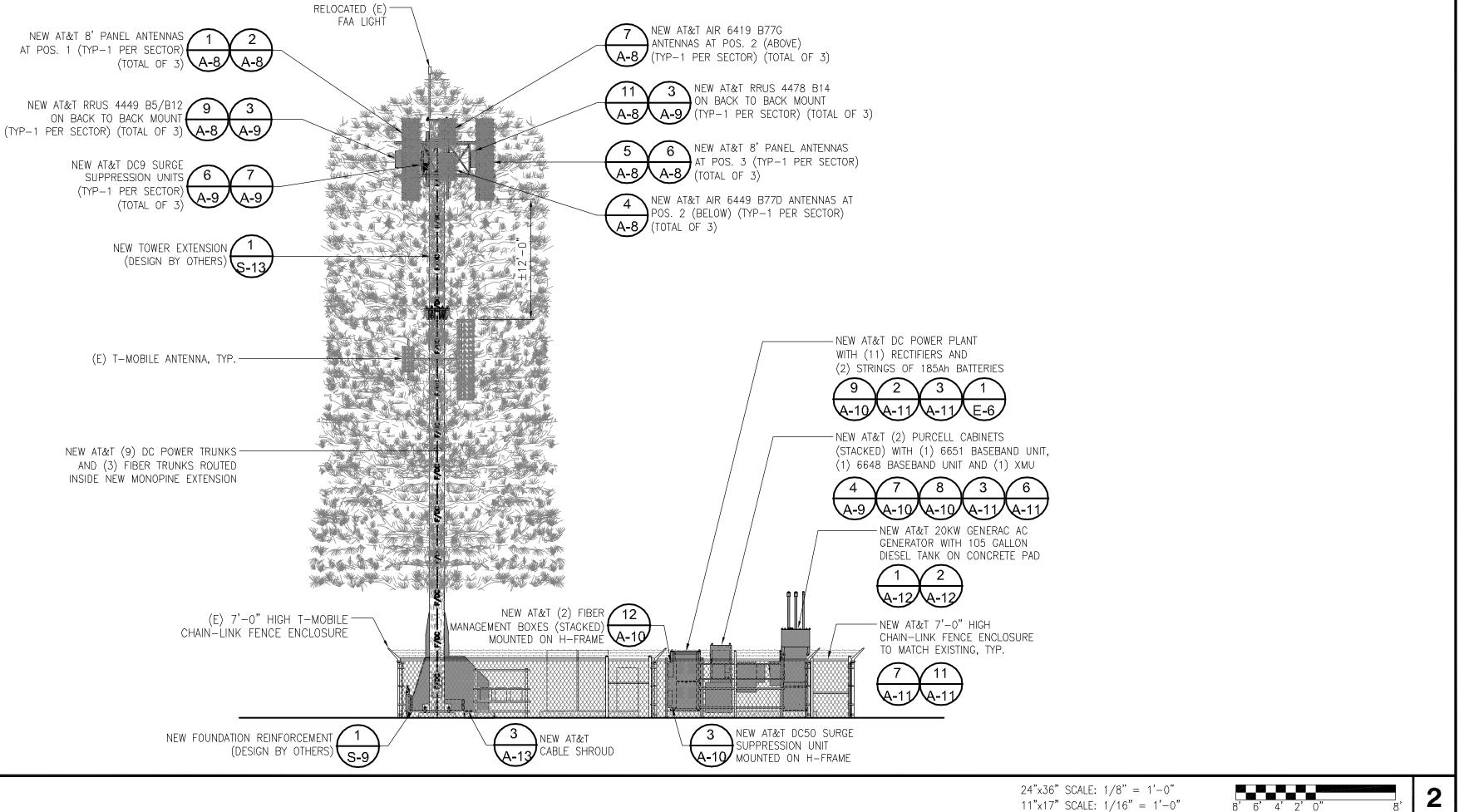
PROJECT INFORMATION: —

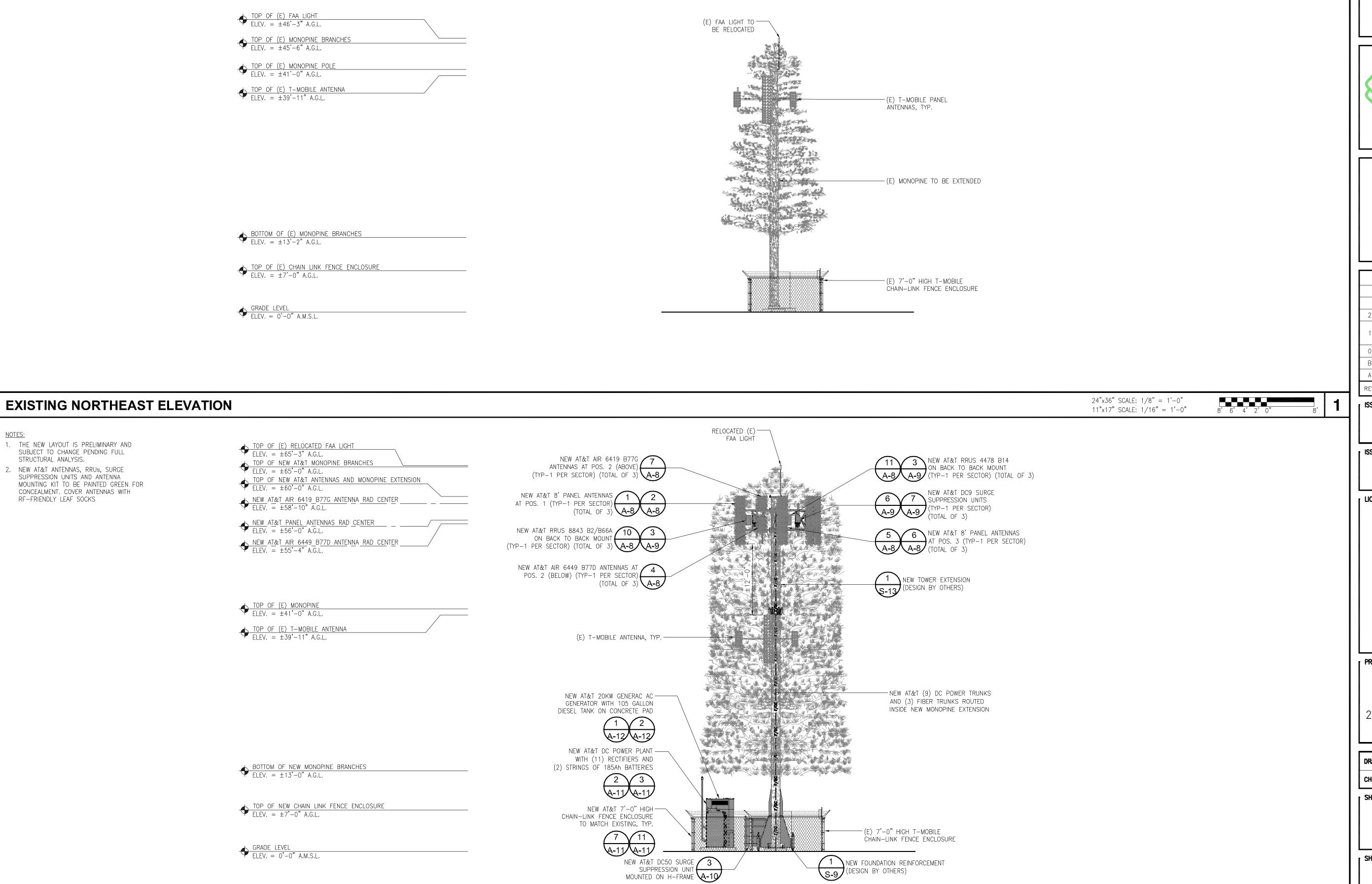
CLL01408 PONTIAC FIREBIRD 2470 WEST PIONEER AVE. #A, FULLERTON, CA 92832

- 1		
ı	DRAWN BY:	AJYR
ı	CHECKED BY:	SVF
ı	SHEET TITLE	

ELEVATIONS

SHEET NUMBER: ---





NEW NORTHEAST ELEVATION







	2	10/03/2024	PLAN CHECK COMMENTS
	1	08/02/2024	PLAN CHECK COMMENTS/ ADDED FIBER DESIGN
	0	04/26/2024	100% CD'S
	В	04/19/2023	REMOVED MW ANTENNA
	А	11/04/2022	90% CD'S FOR REVIEW
1	REV	DATE	DESCRIPTION

| ISSUED DATE:

10/03/2024

ISSUED-FOR:

BP SUBMITTAL

LICENSURE: —



PROJECT INFORMATION: —

CLL01408

PONTIAC FIREBIRD

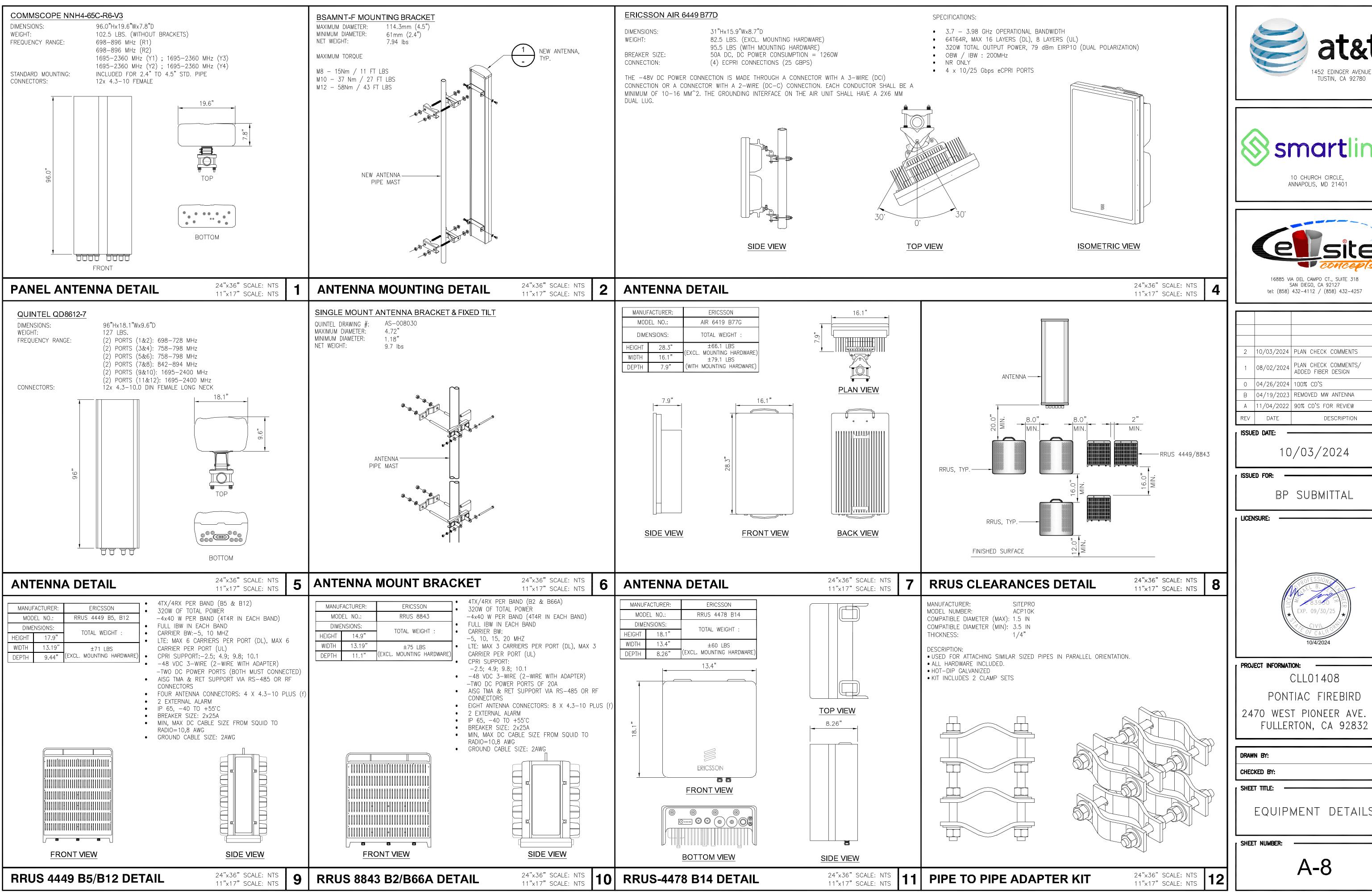
2470 WEST PIONEER AVE. #A,
FULLERTON, CA 92832

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1	08/02/2024	PLAN CHECK COMMENTS/ ADDED FIBER DESIGN
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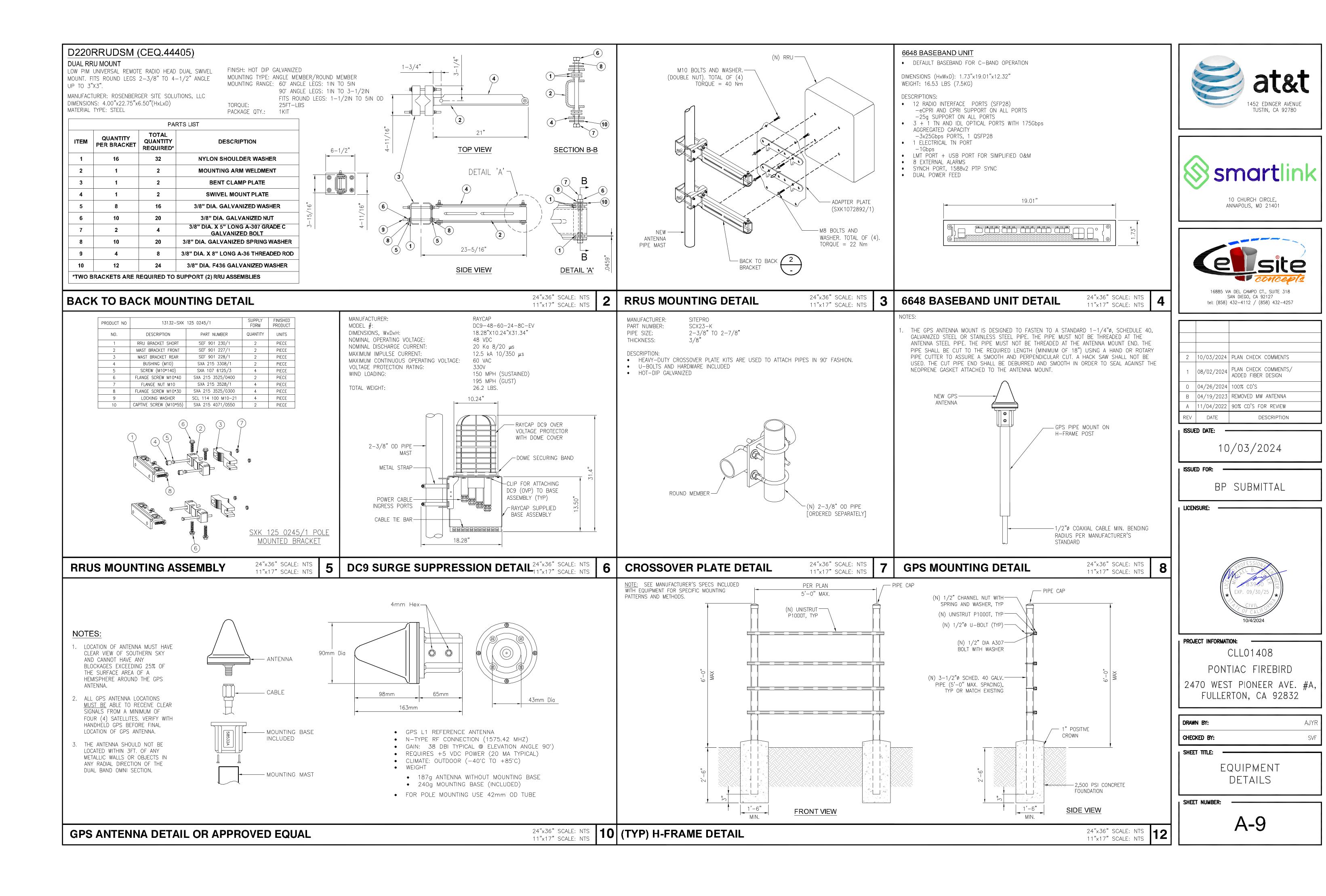


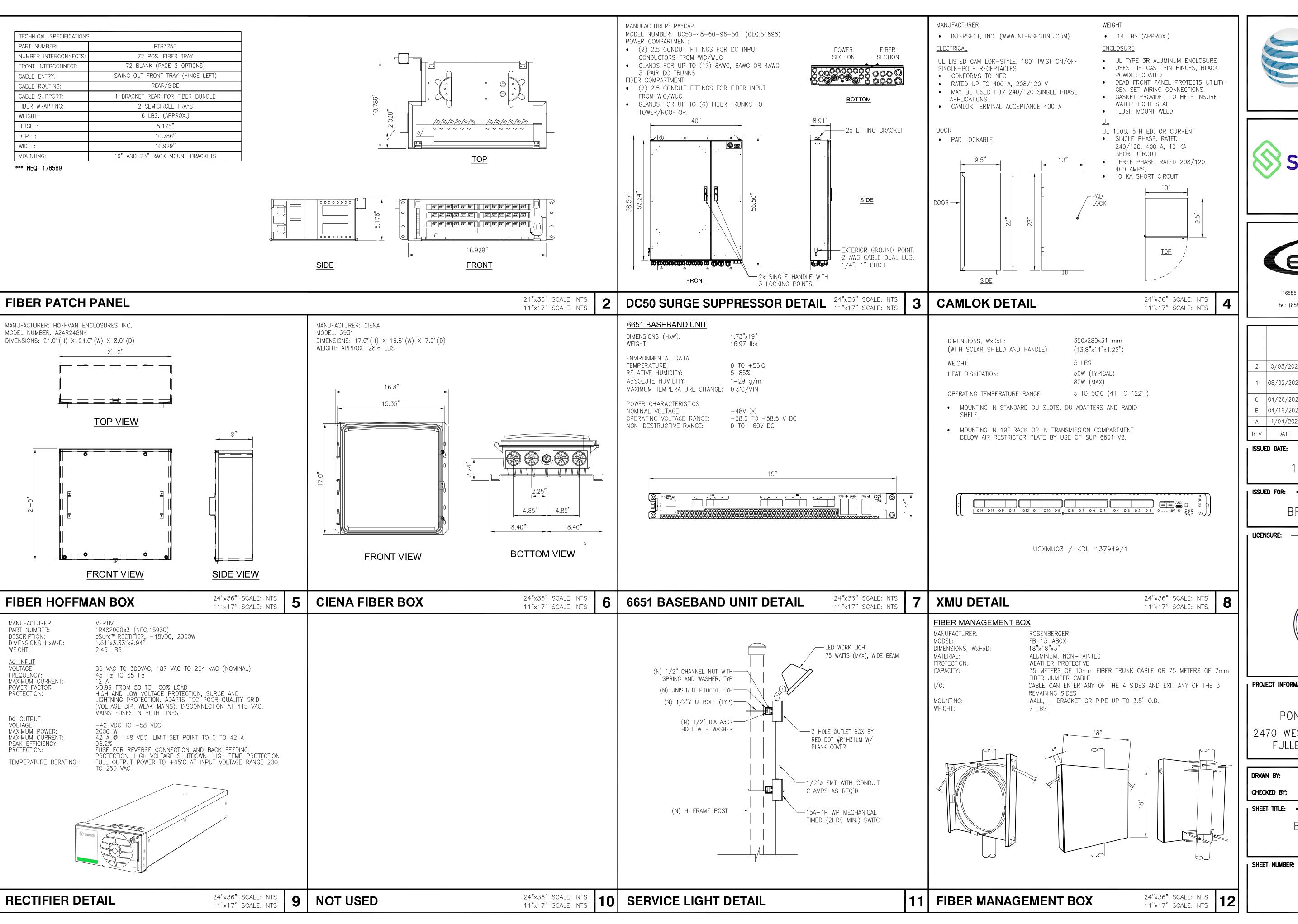
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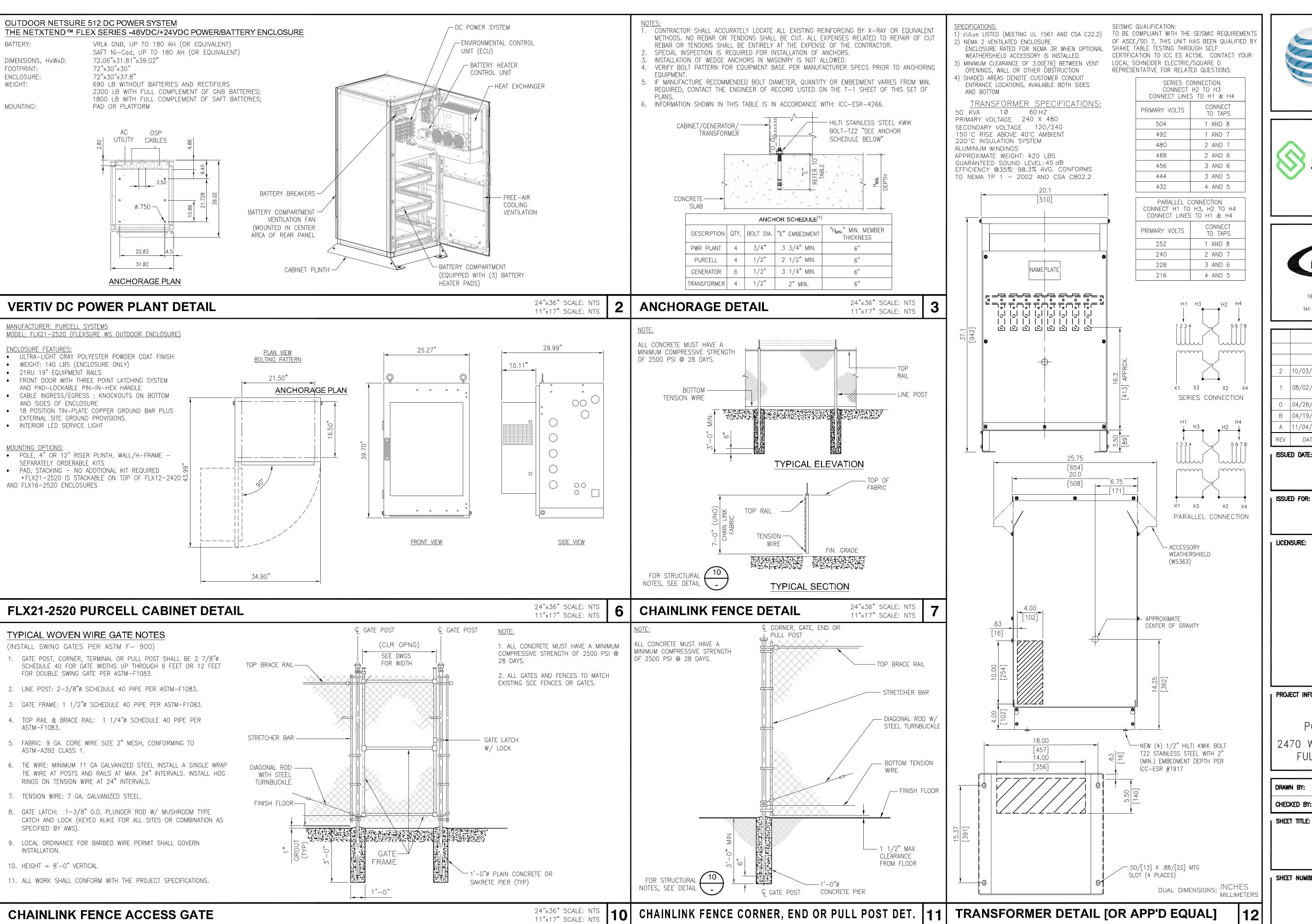
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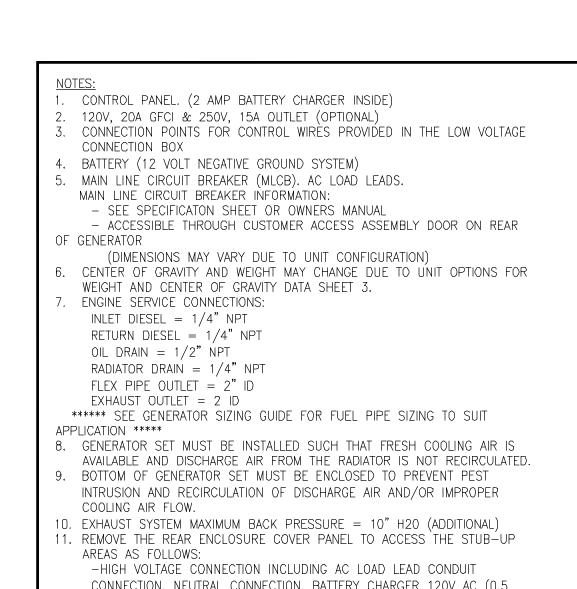
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| 2470 WEST PIONEER AVE. #A, FULLERTON, CA 92832

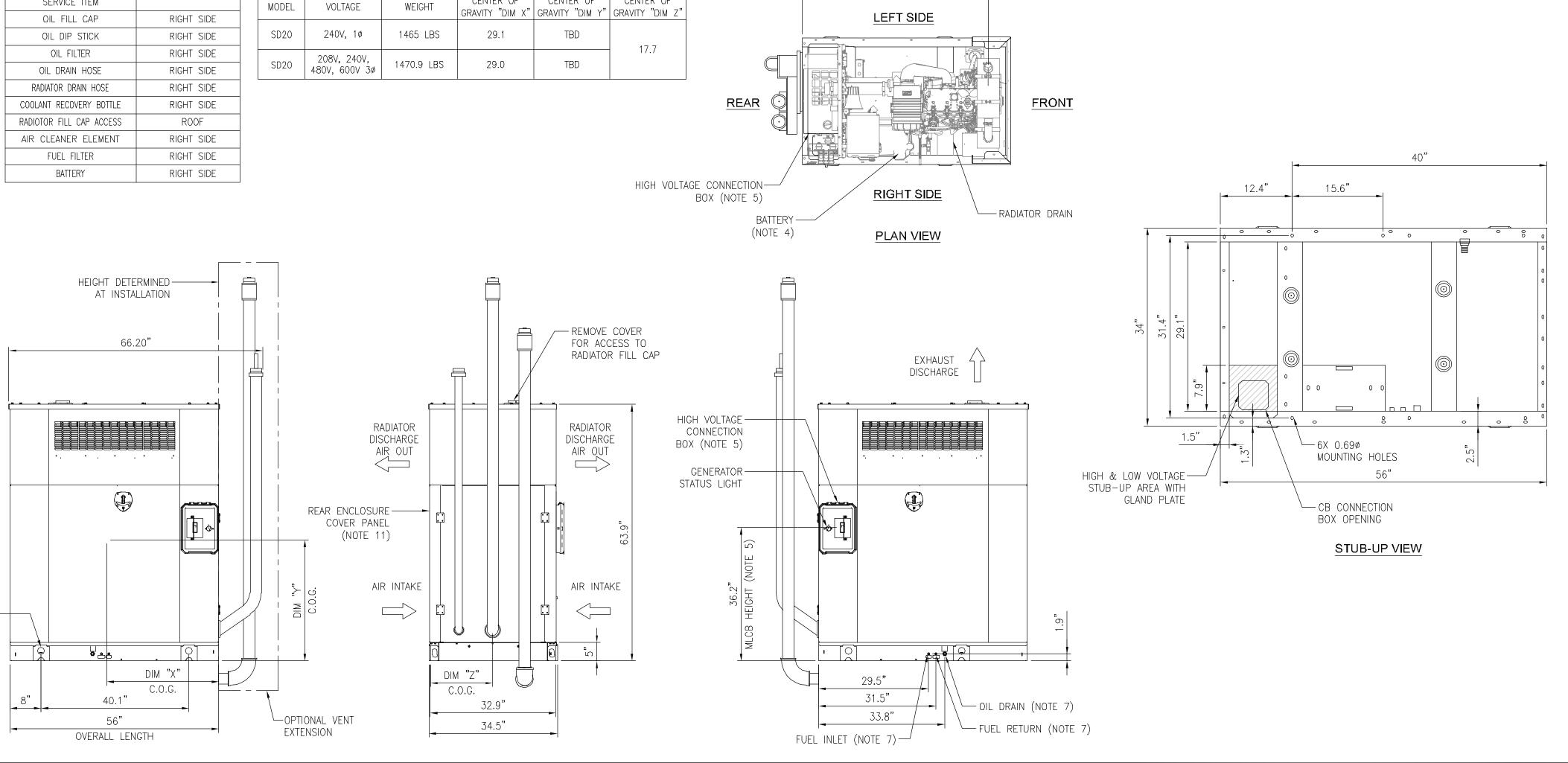
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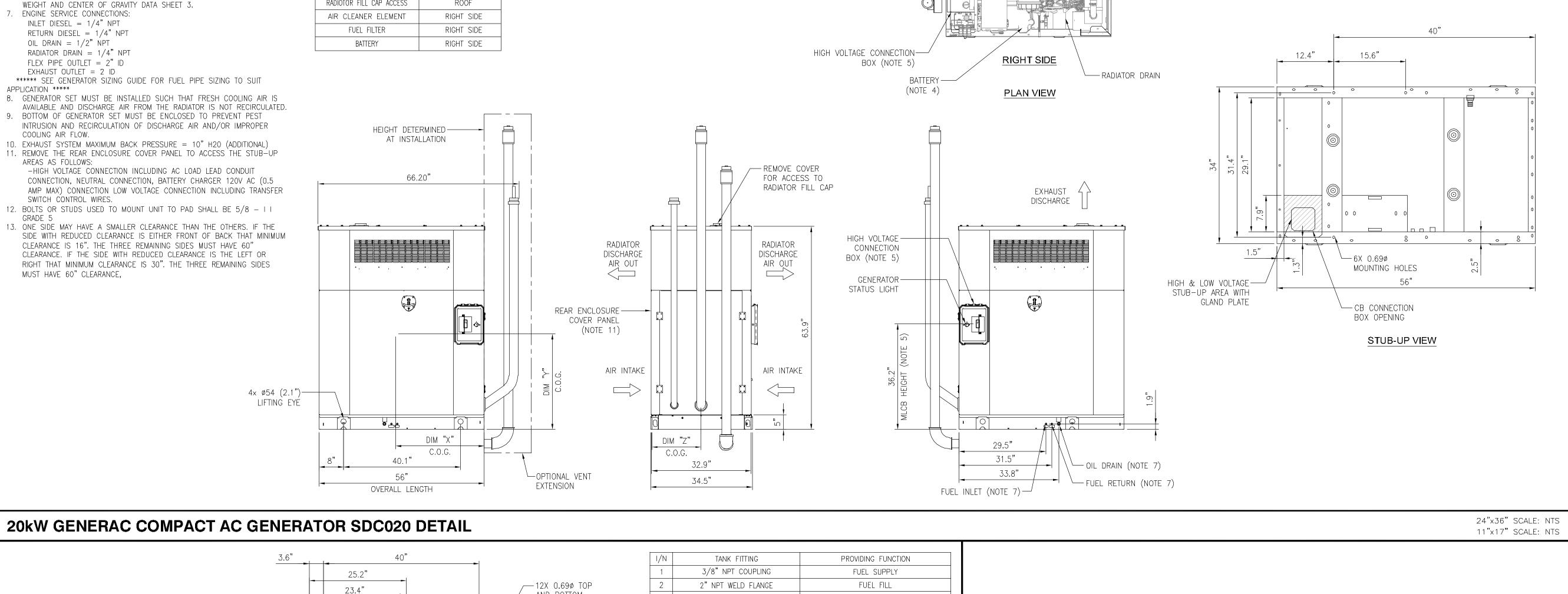
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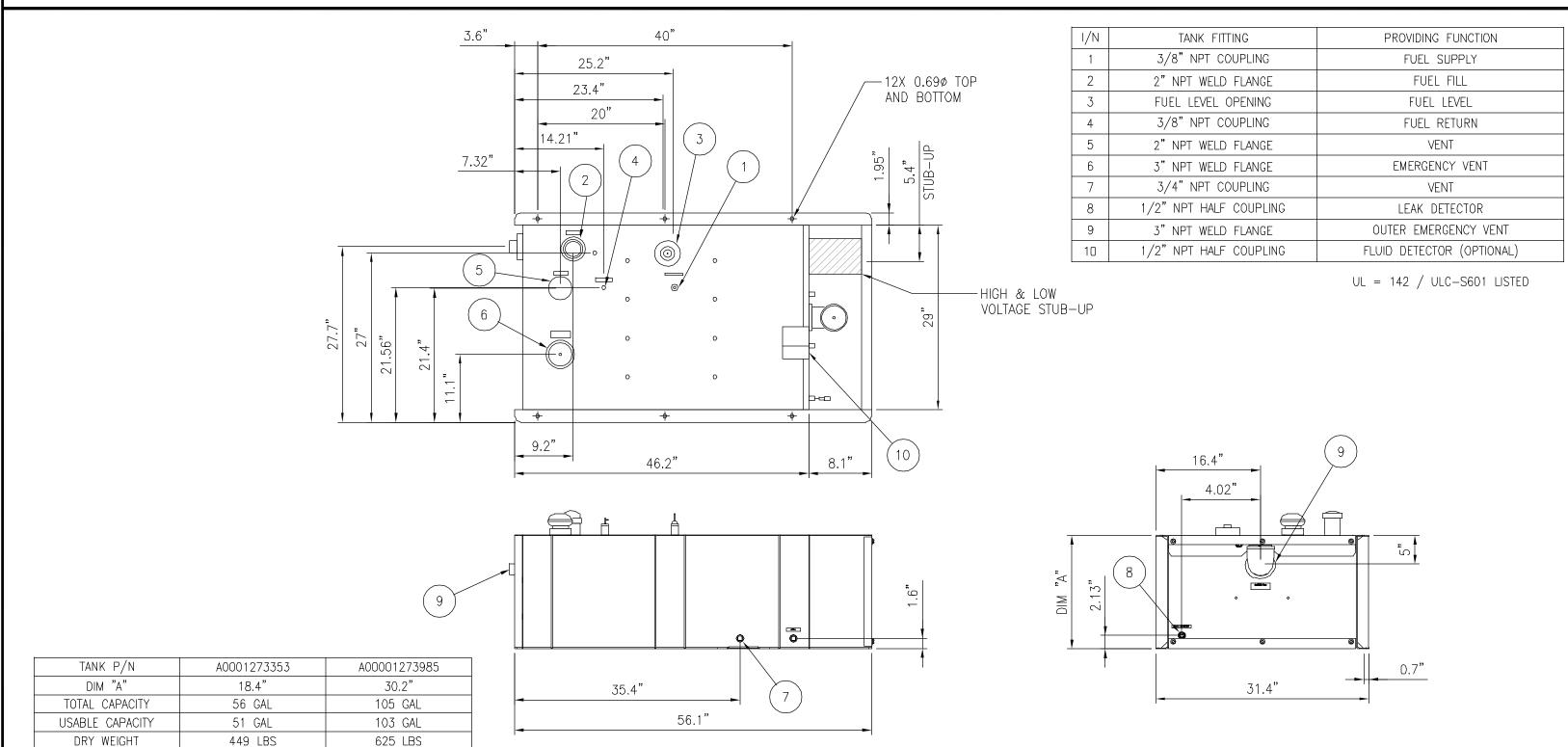


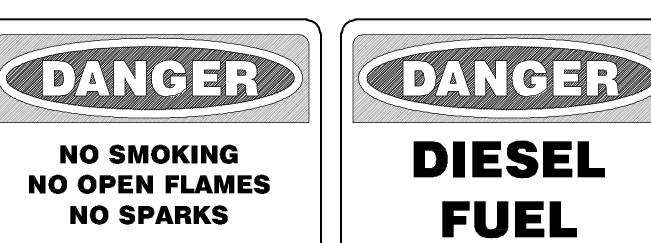
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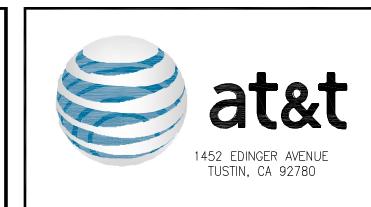


DANGER **CLASS II COMBUSTIBLE LIQUID &** IRRITANT LIQUID

- 1. ALL LETTERS SHALL BE ON A CONTRASTING BACKGROUND. 2. SIGNS SHALL BE DURABLE CONSTRUCTION AND SUITABLE
- FOR THE ENVIRONMENT IN WHICH THEY ARE POSTED. 3. LETTERS SHALL NOT BE LESS THAN 3" IN HEIGHT

24"x36" SCALE: NTS 3

11"x17" SCALE: NTS







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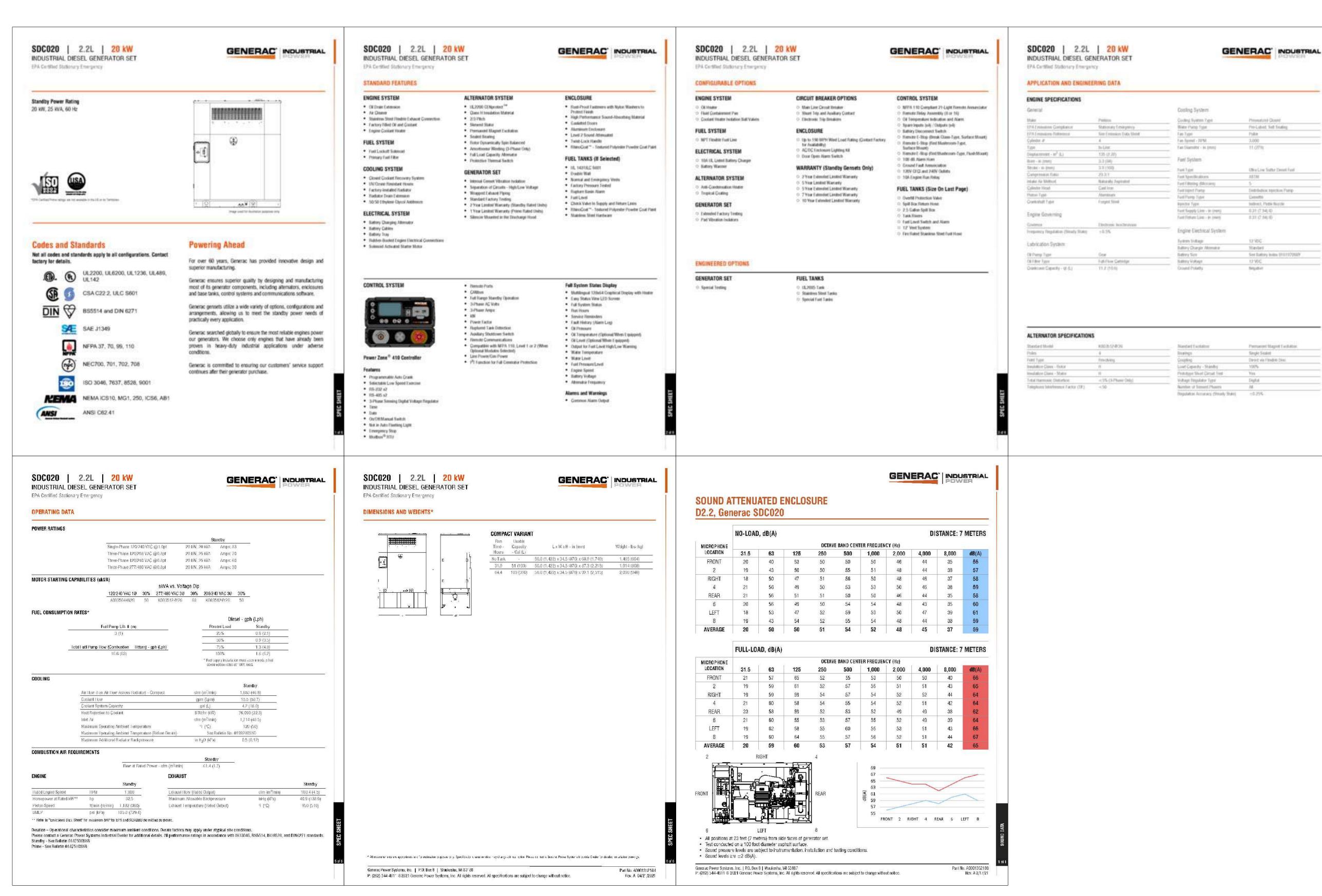
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20kW GENERAC COMPACT GENERATOR SDC020 FUEL TANK DETAILS

24"x36" SCALE: NTS 11"x17" SCALE: NTS

HAZARD SIGNAGE











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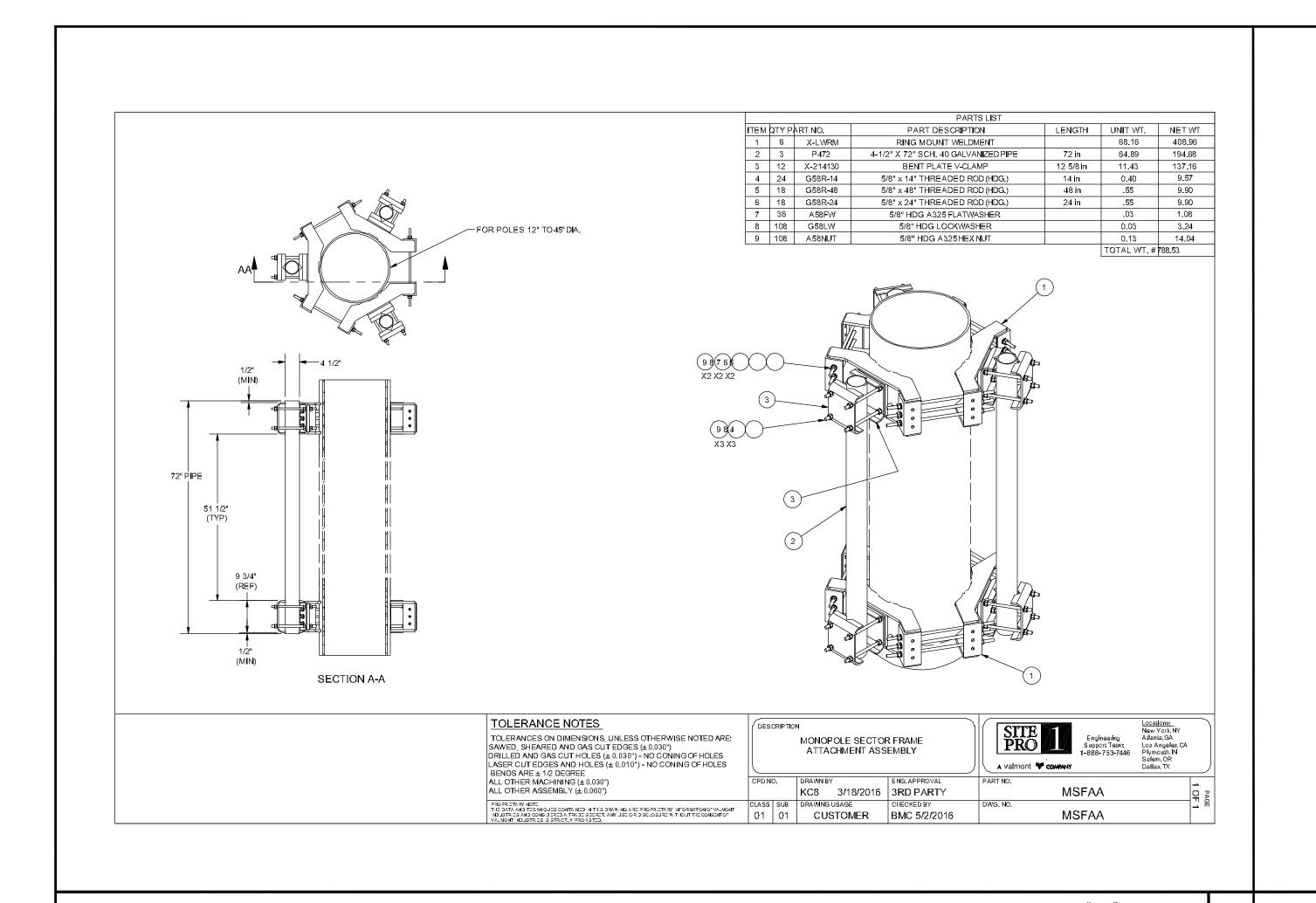
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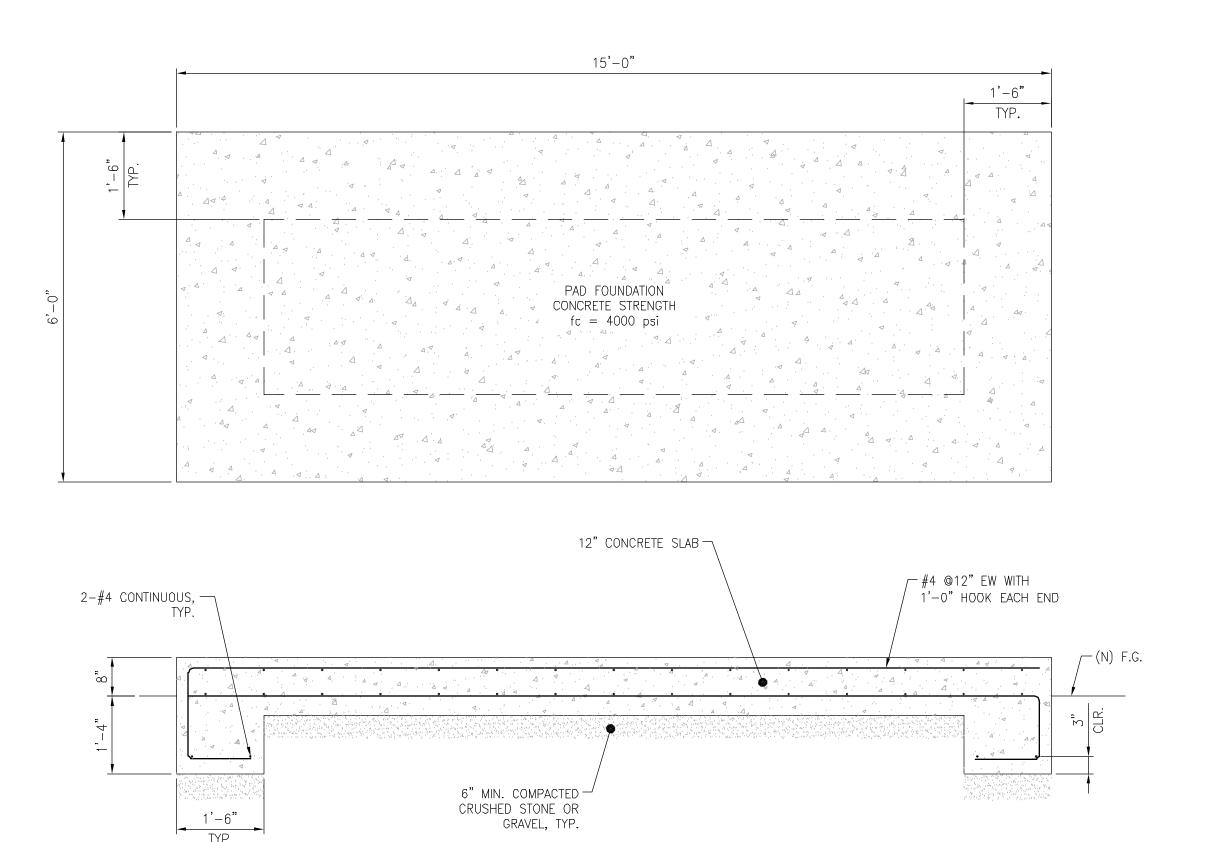
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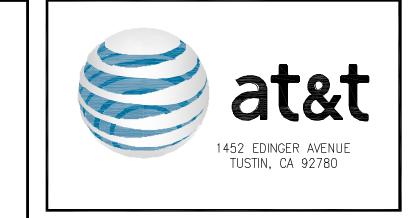
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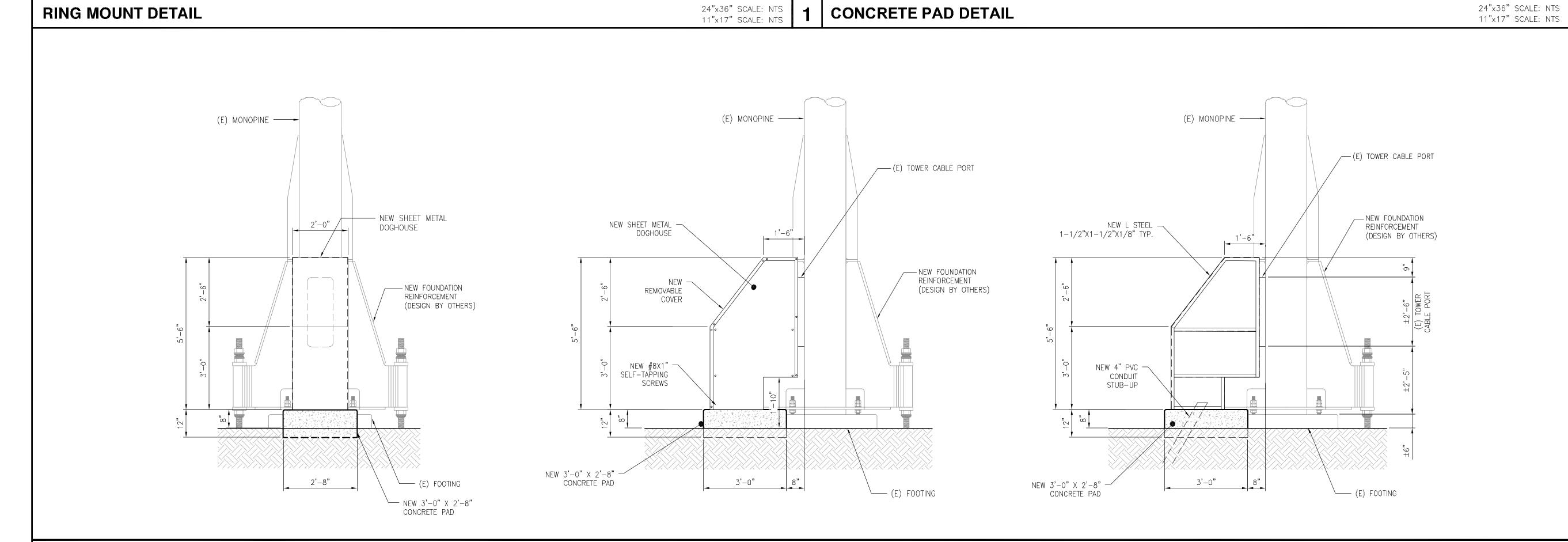
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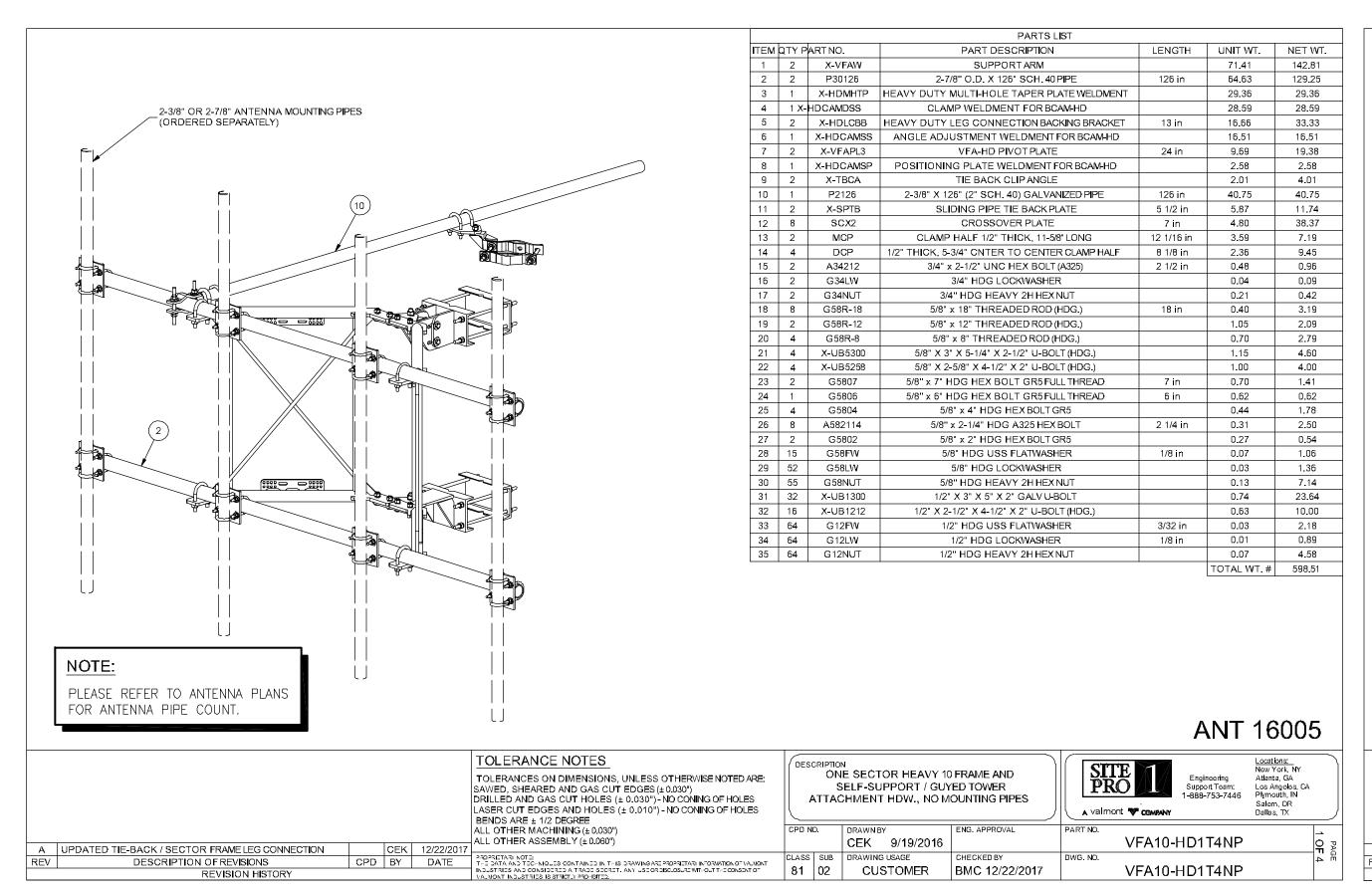
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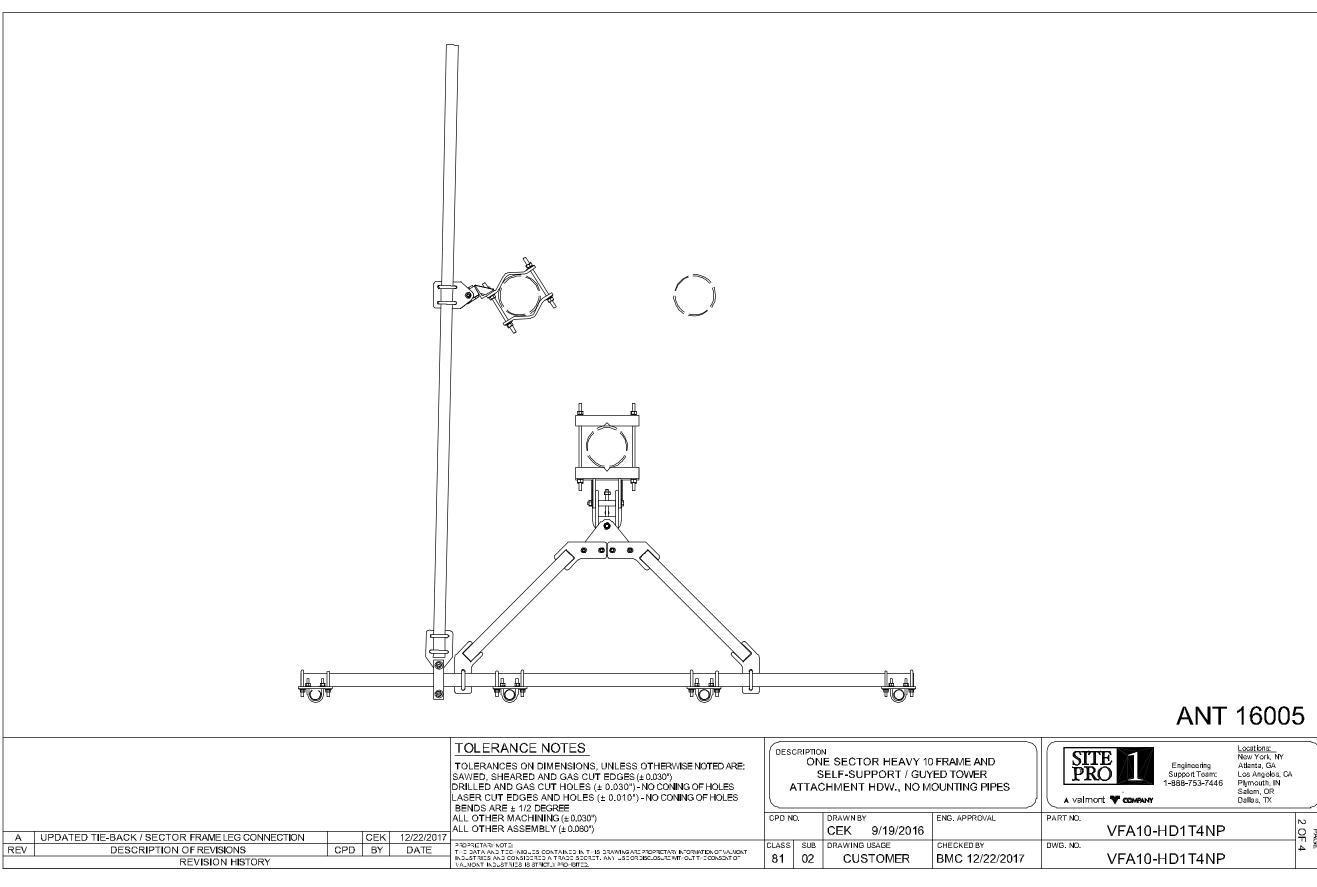
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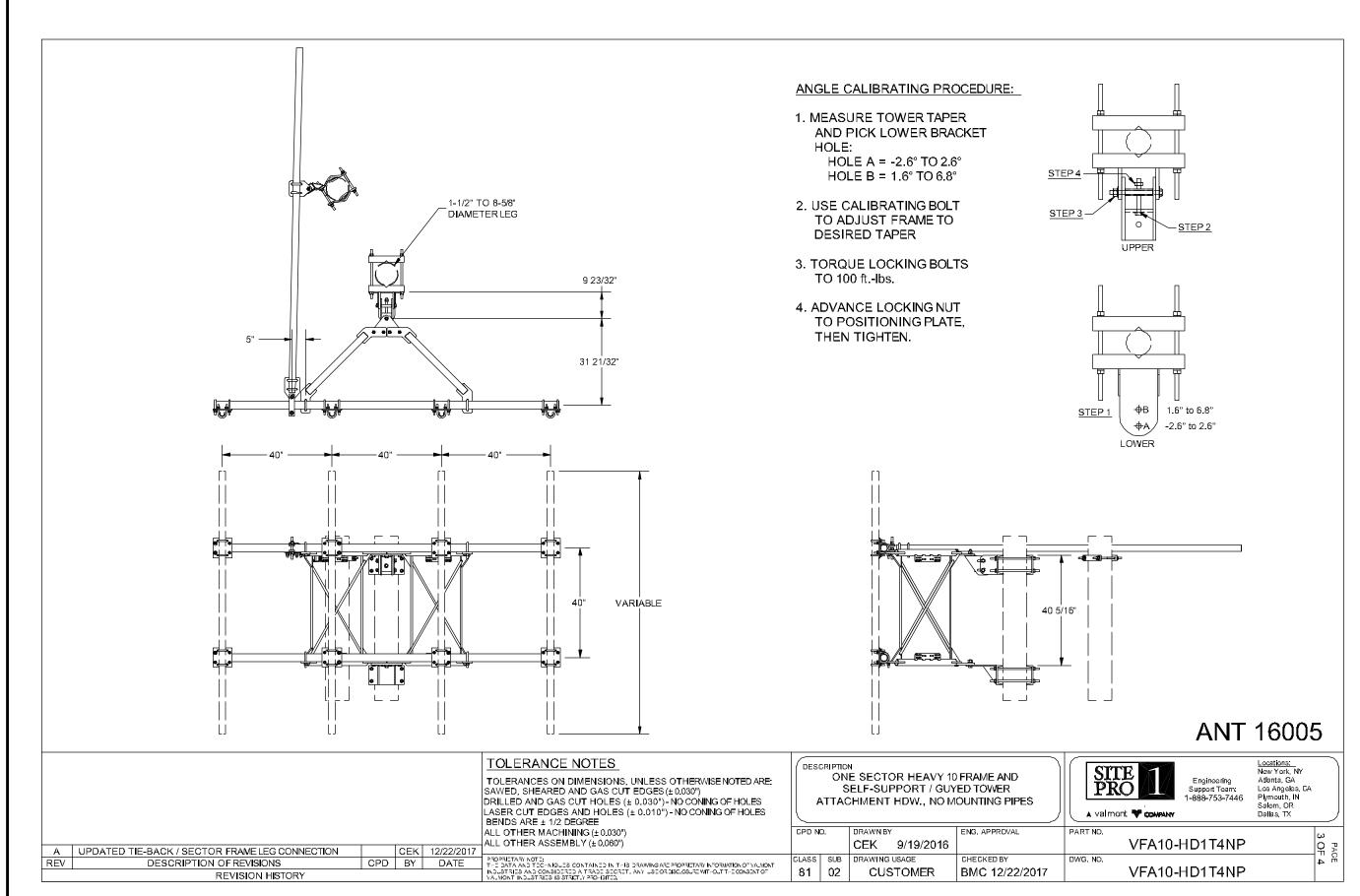
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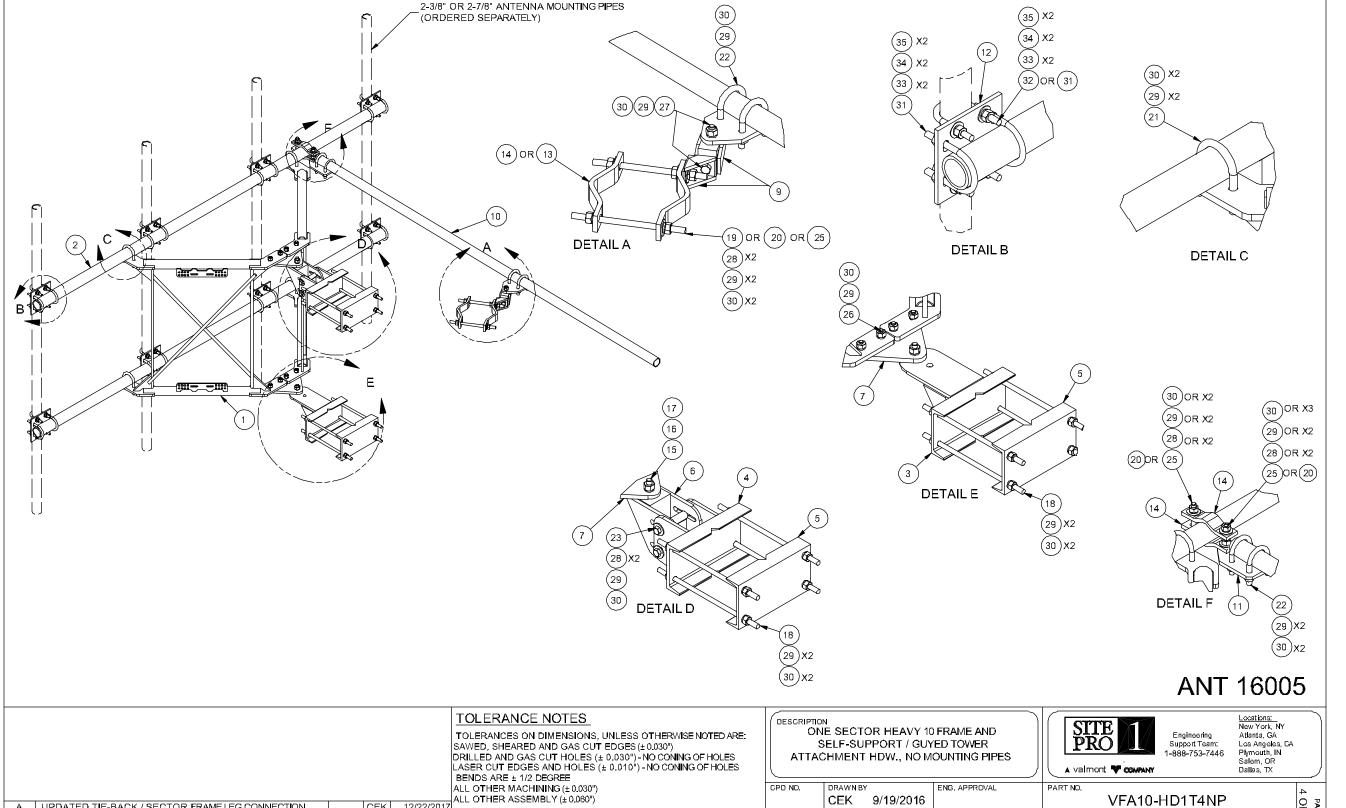
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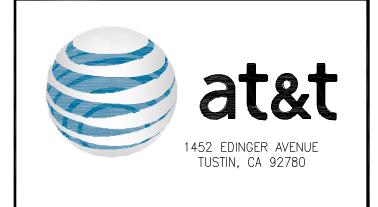






PROPRIETARY NOTE:
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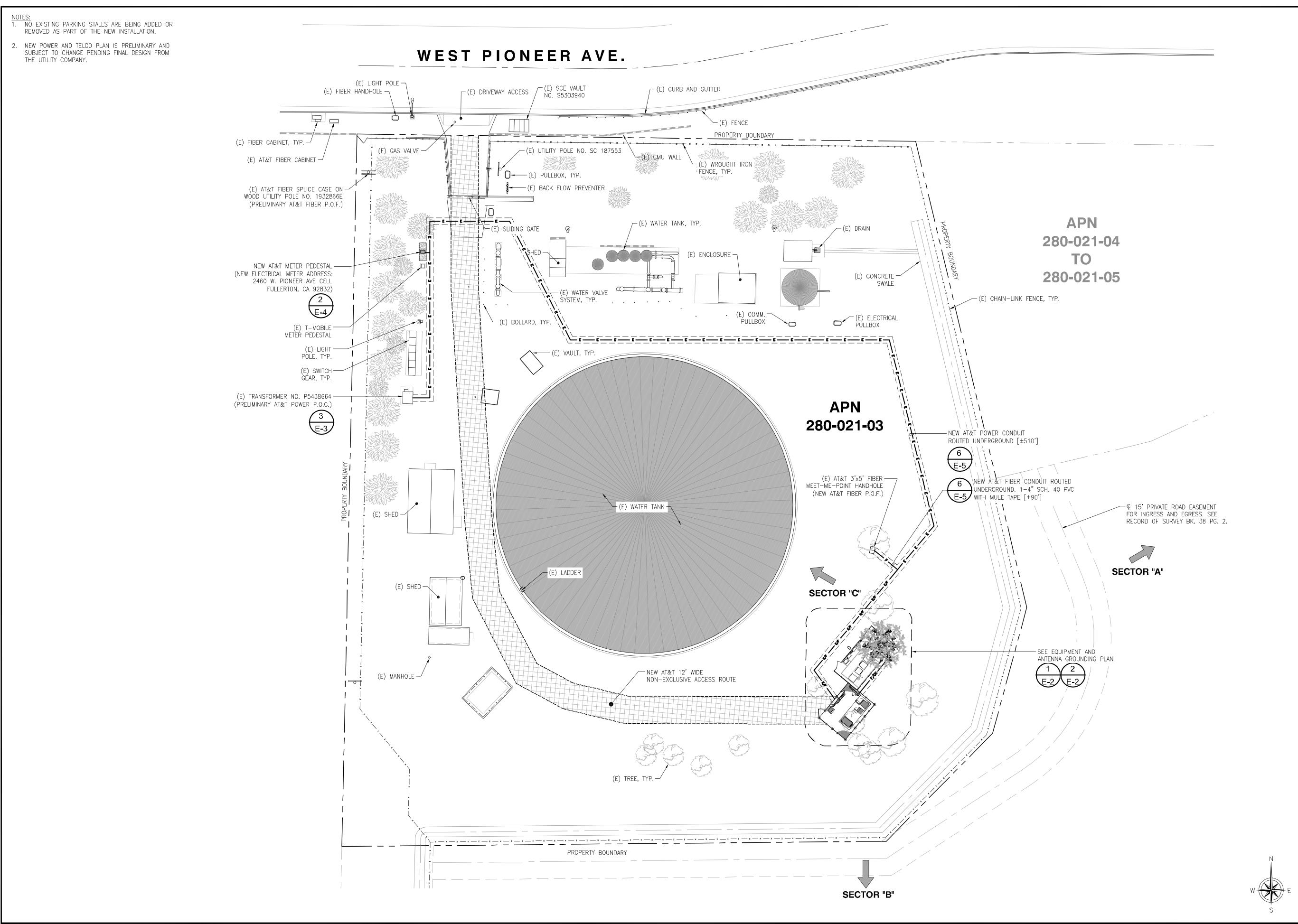
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A-14

24"x36" SCALE: NTS **ANTENNA MOUNTING KIT DETAIL** 11"x17" SCALE: NTS

A UPDATED TIE-BACK / SECTOR FRAME LEG CONNECTION

DESCRIPTION OF REVISIONS
REVISION HISTO



ELECTRICAL SITE PLAN







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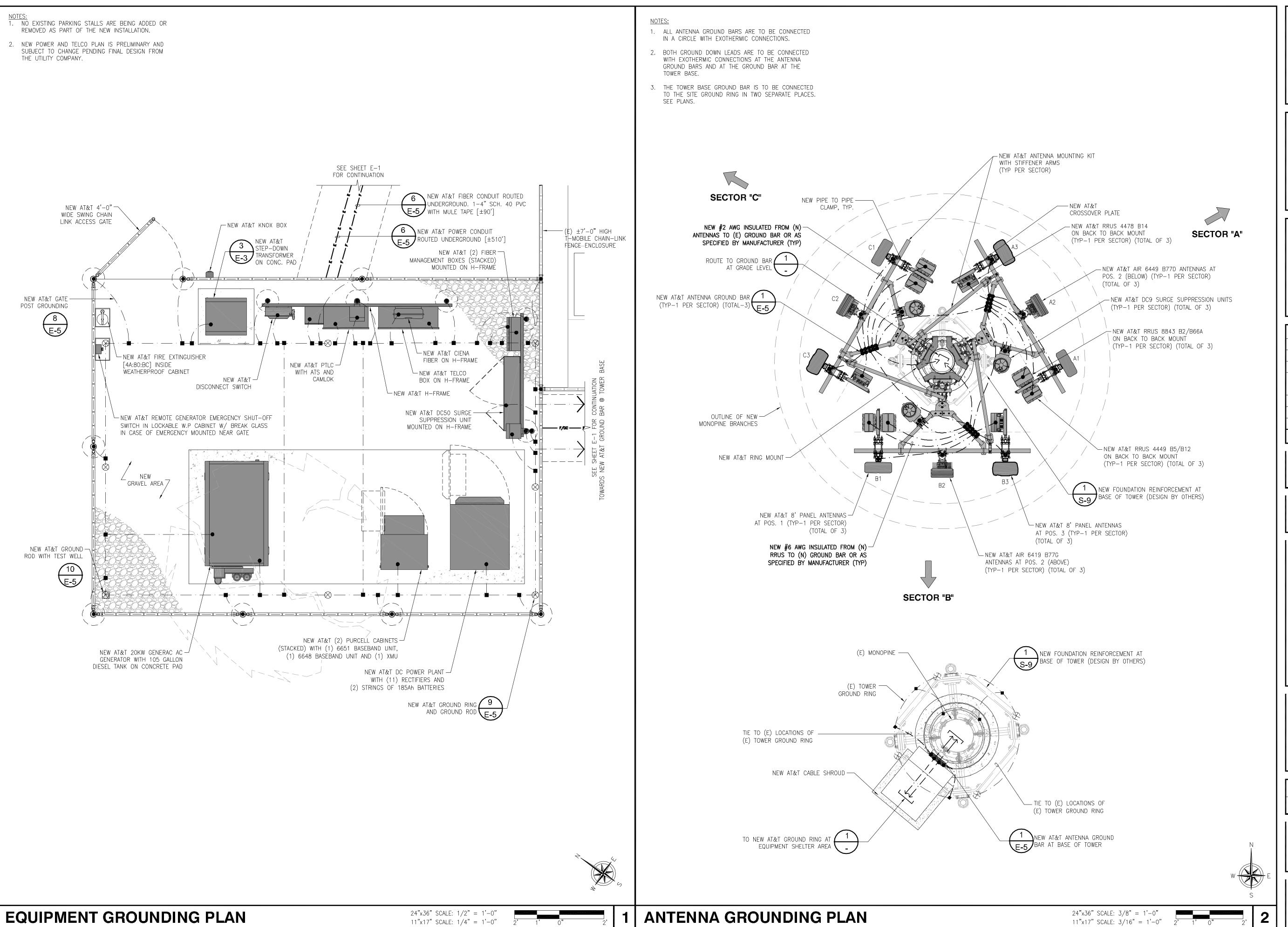
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ELECTRICAL SITE PLAN

SHEET-NUMBER: —

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







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DATE SIGNED: 07/15/2024

PROJECT INFORMATION:

CLL01408 PONTIAC FIREBIRD

2470 WEST PIONEER AVE. #A, FULLERTON, CA 92832

DRAWN BY: CHECKED BY:

SHEET-TITLE: EQUIPMENT AND ANTENNA GROUNDING PLANS

SHEET NUMBER:

E-2

ELECTRICAL NOTES

- THIS INSTALLATION SHALL COMPLY WITH THE CURRENTLY ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE AND WITH UTILITY COMPANY AND LOCAL CODE
- 2. INSTALL SUFFICIENT LENGTHS OF LFMC INCLUDING ALL CONDUIT FITTINGS (NUTS, REDUCING BUSHINGS, ELBOWS, COUPLINGS, ETC) NECESSARY FOR CONNECTION FROM
- IMC OR PVC CONDUIT TO THE INTERIOR OF THE BTS CABINET. POWER, CONTROL AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE CONDUCTOR (#14 AWG AND LARGER), 600V, OIL RESISTANT THHN OR THWN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90°C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED.
- CUT, COIL AND TAPE A 3 FOOT PIGTAIL FROM END OF LFMC FOR TERMINATING BY BTS EQUIPMENT MANUFACTURER.
- SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE CONDUCTOR (#6 AWG AND LARGER), 600V, OIL RESISTANT THHN OR THWN-2 GREEN INSULATION, CLASS B STRANDED COPPER CABLE RATED FOR 90°C (WET AND DRY)
- OPERATION, LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED OUTDOORS OR BELOW GRADE SHALL BE SINGLE CONDUCTOR #2 AWG SOLID, TINNED, COPPER CABLE.
- 7. POWER AND CONTROL WIRING, NOT IN TUBING OR CONDUIT, SHALL BE MULTI-CONDUCTOR, TYPE TC. CABLE (#14 AWG AND LARGER), 600V, OIL RESISTANT THHN OR THWN-2, CLASS B, STRANDED COPPER CABLE RATED FOR 90°C (WET OR DRY) OPERATION, WITH OUTER JACKET LISTED OR LABELED FOR THE LOCATION USED.
- CABLES SHALL NOT BE ROUTED THROUGH LADDER-STYLE CABLE TRAY RUNGS. RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND NEC.
- 10. NEW RACEWAY OR CABLE TRAY SHALL MATCH THE EXISTING INSTALLATION WHERE
- 11. ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP STYLE, COMPRESSION, WIRE LUGS AND WIRENUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRENUTS
- SHALL BE RATED FOR OPERATION AT NO LESS THAN 75°C 12. EACH END OF EVERY POWER, GROUNDING AND T1 CONDUCTOR AND CABLE SHALL BE LABELED WITH COLOR CODED INSULATION OR ELECTRICAL TAPE. THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC & OSHA AND MATCH EXISTING INSTALLATION
- 13. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH ENGRAVED LAMINATED PLASTIC LABELS. ALL EQUIPMENT SHALL BE LABELED WITH THEIR VOLTAGE RATING, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (PANELBOARD AND CIRCUIT IDENTIFICATION).
- 14. ALL TIE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.
- 15. RIGID NONMETALLIC CONDUIT (PVC SCHEDULE 40 OR PVC SCHEDULE 80) SHALL BE USED UNDERGROUND, DIRECT BURIED IN AREAS OF OCCASIONAL LIGHT VEHICLE TRAFFIC OR ENCASED IN REINFORCED CONCRETE IN AREAS OF HEAVY VEHICLE
- 16. ALL CONDUIT RUN ABOVE GROUND OR EXPOSED SHALL BE LFMC, IMC OR RIGID
- 17. ELECTRICAL METALLIC TUBING (EMT) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
- 18. LIQUID TIGHT FLEXIBLE METALLIC CONDUIT SHALL BE USED INDOORS AND OUTDOORS WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
- 19. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION TYPE AND APPROVED FOR THE LOCATION USED. SETSCREW FITTINGS ARE NOT ACCEPTABLE.
- 20. CABINETS, BOXES AND WIREWAYS SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND NEC.
- 21. CABINETS, BOXES AND WIREWAYS SHALL MATCH THE EXISTING INSTALLATION WHERE 22. PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS
- IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS TO SAFEGUARD LIFE AND PROPERTY. THE SUBCONTRACTOR SHALL REVIEW AND INSPECT THE EXISTING FACILITY GROUNDING SYSTEM AND LIGHTNING PROTECTION SYSTEM (AS DESIGNED AND INSTALLED) FOR STRICT COMPLIANCE WITH THE NEC. THE SITE SPECIFIC LIGHTNING PROTECTION CODE AND GENERAL COMPLIANCE WITH TELCORDIA AND TIA GROUNDING STANDARDS. THE
- CONTRACTOR FOR RESOLUTION. 24. ALL ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER GES'S) SHALL BE BONDED TOGETHER AT OR BELOW GRADE BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE

SUBCONTRACTOR SHALL REPORT ANY VIOLATIONS OR ADVERSE FINDINGS TO THE

- 25. PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR NEW GROUND ELECTRODE SYSTEMS. THE SUBCONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE
- A TEST RESULT OF 5 OHMS OR LESS. 26. METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION SIZED IN ACCORDANCE WITH THE NEC SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
- 27. EACH INDOOR BTS CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH SUPPLEMENTAL EQUIPMENT GROUND WIRES #6 OR LARGER.
- 28. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW
- 29. APPROVED ANTIOXIDANT COATINGS (I.E. CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS. 30. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED
- TO THE BRIDGE AND THE TOWER GROUND BAR. 31. SURFACES TO BE CONNECTED TO GROUND CONDUCTORS SHALL BE CLEANED TO A
- BRIGHT SURFACE AT ALL CONNECTIONS. 32. EXPOSED GROUND CONNECTIONS SHALL BE MADE WITH COMPRESSION CONNECTORS WHICH ARE THEN BOLTED TO EQUIPMENT USING STAINLESS STEEL HARDWARE.
- INSTALLATION TORQUE SHALL BE PER MANUFACTURER'S REQUIREMENTS. 33. DC POWER CABLES SHALL BE COBRA COP-FLEX 2000, FLEXIBLE CLASS B OR APPROVED EQUAL.
- 34. PROVIDE SUPPORTING DEVICES FOR ALL ELECTRICAL EQUIPMENT, FIXTURES, BOXES, PANEL, ETC., SUPPORT LUMINARIES FROM UNDERSIDE OF STRUCTURAL CEILING, EQUIPMENT SHALL BE BRACED TO WITHSTAND HORIZONTAL FORCES IN ACCORDANCE WITH STATE AND LOCAL CODE REQUIREMENTS. PROVIDE PRIOR ALIGNMENT AND LEVELING OF ALL DEVICES AND FIXTURES.
- 35. CUTTING, PATCHING, CHASES, OPENINGS: PROVIDE LAYOUT IN ADVANCE TO ELIMINATE UNNECESSARY CUTTING OR DRILLING OF WALLS, FLOORS CEILINGS, AND ROOFS. ANY DAMAGE TO BUILDING STRUCTURE OR EQUIPMENT SHALL BE REPAIRED BY THE CONTRACTOR. OBTAIN PERMISSION FROM THE ENGINEER BEFORE CORING.
- 36. IN DRILLING HOLES INTO CONCRETE WHETHER FOR FASTENING OR ANCHORING PURPOSES, OR PENETRATIONS THROUGH THE FLOOR FOR CONDUIT RUNS. PIPE RUNS, ETC., IT MUST BE CLEARLY UNDERSTOOD THAT TENDONS AND/OR REINFORCING STEEL WILL NOT BE DRILLED INTO, CUT OR DAMAGED UNDER THE CIRCUMSTANCES.
- 37. LOCATION OF TENDONS AND/OR REINFORCING STEEL ARE NOT DEFINITELY KNOWN AND THEREFORE, MUST BE SEARCHED FOR BY APPROPRIATE METHODS AND EQUIPMENT VIA X-RAY OR OTHER DEVICES THAT CAN ACCURATELY LOCATE THE REINFORCING AND/OR STEEL TENDONS.
- 38. PENETRATIONS IN FIRE RATED WALLS SHALL BE FIRE STOPPED IN ACCORDANCE WITH THE REQUIREMENTS OF THE C.B.C.

GROUNDING NOTES

- ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL GROUNDING INSTALLATION REQUIREMENTS AND CONSTRUCTION ACCORDING TO SITE CONDITIONS.
- 2. ALL GROUNDING CONDUCTORS: #2 AWG SOLID BARE TINNED COPPER WIRE UNLESS OTHERWISE NOTED.
- GROUND BAR LOCATED IN BASE OF EQUIPMENT WILL BE PROVIDED, FURNISHED AND INSTALLED BY THE VENDOR.
- ALL BELOW GRADE CONNECTIONS: EXOTHERMIC WELD TYPE, ABOVE GRADE CONNECTIONS: EXOTHERMIC WELD TYPE.
- GROUND RING SHALL BE LOCATED A MINIMUM OF 24" BELOW GRADE OR 6" MINIMUM BELOW THE FROST LINE.
- INSTALL GROUND CONDUCTORS AND GROUND ROD MINIMUM OF 1'-0" FROM EQUIPMENT CONCRETE SLAB, SPREAD FOOTING, OR FENCE. EXOTHERMIC WELD GROUND CONNECTION TO FENCE POST: TREAT WITH A COLD
- GALVANIZED SPRAY. GROUND BARS: EQUIPMENT GROUND BUS BAR (EGB) LOCATED AT THE BOTTOM OF ANTENNA POLE/MAST FOR MAKING GROUNDING JUMPER CONNECTIONS TO COAX FEEDER
- ELECTRICAL CONTRACTOR. ALL GROUNDING INSTALLATIONS AND CONNECTIONS SHALL BE MADE BY ELECTRICAL

CABLES SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.

JUMPERS (FURNISHED BY OWNERS) SHALL BE INSTALLED AND CONNECTED BY

- CONTRACTOR. 10. OBSERVE N.E.C. AND LOCAL UTILITY REQUIREMENTS FOR ELECTRICAL SERVICE
- GROUNDING. 11. GROUNDING ATTACHMENT TO TOWER SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS OR AT GROUNDING POINTS PROVIDED (2 MINIMUM).
- 12. IF EQUIPMENT IS IN A C.L. FENCE ENCLOSURE, GROUND ONLY CORNER POSTS AND SUPPORT POSTS OF GATE. IF CHAIN LINK LID IS USED, THEN GROUND LID
- 13. GROUNDING AT PPC CABINET SHALL BE VERTICALLY INSTALLED.
- 14. ALL GROUNDING FOR ANTENNAS SHALL BE CONNECTED SO THAT IT WILL BY-PASS MAIN BUSS BAR.
- 15. ALL EMT RUNS SHALL BE GROUNDED AND HAVE A BUSHING, NO PVC ABOVE GROUND.
- 16. USE SEPARATE HOLES FOR GROUNDING AT BUSS BAR. NO "DOUBLE-UP" OF
- 17. POWER AND TELCO CABINETS SHALL BE GROUNDED (BONDED) TOGETHER.
- 18. NO LB'S ALLOWED ON GROUNDING. 19. PROVIDE STAINLESS STEEL CLAMP AND BRASS TAGS ON COAX AT ANTENNAS AND
- DOGHOUSE. 20. ALL ELECTRICAL AND GROUNDING AT THE CELL SITE SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE (NEC), NATIONAL FIRE PROTECTION ASSOCIATION
- (NFPA) 780 (LATEST EDITION), AND MANUFACTURER SPECIFICATION. 21. IF THE AC PANEL IN THE POWER CABINET IS WIRED AS SERVICE ENTRANCE, THE AC SERVICE GROUND CONDUCTOR SHALL BE CONNECTED TO GROUND ELECTRODE SYSTEM. WHEN THE AC PANEL IN THE POWER CABINET IS CONSIDERED A SUB-PANEL, THE GROUND WIRE SHALL BE INSTALLED IN THE AC POWER CONDUIT THE INSTALLATION SHALL BE PER LOCAL AND NATIONAL ELECTRIC CODE
- (NFPA-70). 22. EXOTHERMIC WELDING IS RECOMMENDED FOR GROUNDING CONNECTION WHERE PRACTICAL. OTHERWISE, THE CONNECTION SHALL BE MADE USING COMPRESSION TYPE-2 HOLES. LONG BARREL LUGS OR DOUBLE CRIMP CLAMP "C" CLAMP. THE COPPER CABLES SHALL BE COATED WITH ANTIOXIDANT (COPPER SHIELD) BEFORE MAKING THE CONNECTIONS. THE MANUFACTURER'S TORQUING RECOMMENDATIONS ON THE BOLT ASSEMBLY TO SECURE CONNECTIONS SHALL BE FOLLOWED.
- 23. THE ANTENNA CABLES SHALL BE GROUNDED AT THE TOP AND BOTTOM OF THE VERTICAL RUN FOR LIGHTING PROTECTION. THE ANTENNA CABLE SHIELD SHALL BE BONDED TO A COPPER GROUND BUSS AT THE LOWER MOST POINT OF A VERTICAL RUN JUST BEFORE IT BEGINS TO BEND TOWARD THE HORIZONTAL PLANE. WIRE RUNS TO GROUND SHALL BE KEPT AS STRAIGHT AND SHORT AS POSSIBLE. ANTENNA CABLE SHIELD SHALL BE GROUNDED JUST BEFORE ENTERING THE CELL CABINET. ANY ANTENNA CABLES OVER 200 FEET IN LENGTH SHALL ALSO BE EQUIPPED WITH ADDITIONAL GROUNDING AT MID-POINT.
- 24. ALL GROUNDING CONDUCTORS INSIDE THE BUILDING SHALL BE RUN IN CONDUIT RACEWAY SYSTEM, AND SHALL BE INSTALLED AS STRAIGHT AS PRACTICAL WITH MINOR BENDS TO AVOID OBSTRUCTIONS. THE BENDING RADIUS OF ANY #2 GROUNDING CONDUCTOR IS 8". PVC RACEWAY MAY BE FLEXIBLE OR RIGID PER THE FIELD CONDITIONS. GROUNDING CONDUCTORS SHALL NOT MAKE CONTACT WITH ANY METALLIC CONDUITS, SURFACES OR EQUIPMENT.
- 25. PROVIDE PVC SLEEVES WHERE GROUNDING CONDUCTORS PASS THROUGH THE BUILDING WALLS AND /OR CEILINGS.
- 26. INSTALL GROUND BUSHINGS ON ALL METALLIC CONDUITS AND BOND TO THE EQUIPMENT GROUND BUSS IN THE PANEL BOARD.
- 27. GROUND ANTENNA BASES, FRAMES, CABLE RACKS AND OTHER METALLIC COMPONENTS WITH #2 GROUNDING CONDUCTORS AND CONNECT TO INSULATED SURFACE MOUNTED GROUND BARS. CONNECTION DETAILS SHALL FOLLOW MANUFACTURER'S SPECIFICATIONS FOR GROUNDING.
- 28. ALL NEW GROUNDING CONDUCTORS SHALL BE ROUTED AND CONNECTED TO THE MAIN GROUND BAR OR EXISTING GROUND RING.

BONDING & GROUNDING:

#6 AWG SOLID COPPER INSULATED GROUND WIRE (24" COILED IN TELCO SERVICE BOX) WITH BONDING CLAMPS IN PLACE. THE TELEPHONE GROUND MUST BE BONDED TO THE POWER GROUND. THE TELEPHONE SERVICE CABINET MUST BE BONDED TO THE TELEPHONE GROUND WIRE. ANY QUESTIONS REGARDING TELEPHONE GROUNDS SHOULD BE REFERRED TO THE INTERCONNECT ENGINEER.

SYMBOLS:

GROUNDING WIRE, DASHED LINE INDICATES UNDERGROUND POWER LINE, DASHED

INDICATES UNDERGROUND TELEPHONE LINE, DASHED LINE INDICATES UNDERGROUND

____A ____COAXIAL CABLE, DASHED LINE INDICATES UNDERGROUND

DETAIL REFERENCE DETAIL NO. 2 ON SHEET E3

GROUND ROD GROUND ROD WITH ACCESS

FUSED DISCONNECT SWITCH

M UTILITY METER

CIRCUIT BREAKER

-Œ}- FUSE

DUPLEX RECEPTACLE WITH GFCI IN WEATHERPROOF ENCLOSURE

\$_M SWITCH ab — SWITCH LEG M - MANUAL MOTOR STARTER

CLAMP OR DOUBLE HOLE LUG TYPE GROUND CONNECTION EXOTHERMIC CONNECTION

(CADWELD) TO GROUND RING AND COMPRESSION CONNECTION TO GROUND HALO

- 1. MULTIPLE CIRCUITS COMMON NEUTRAL REQUIRED LISTED
- CIRCUIT BREAKER HANDLE TIES. 2. THIS PERMIT APPLICATION AUTHORIZES ONLY (11) 2000 WATT
- 3. THIS LOAD PANEL IS FED FROM ONE OF THREE POSSIBLE SOURCES, SEE ONE LINE.

PANEL SCHEDULE - PANEL "A"

POWER AND TELCO POINT OF CONNECTION AND ROUTES

CONFIRMATION BY THE UTILITY COMPANIES RESPECTIVELY.

FOR FINAL AND EXACT WORK/MATERIALS REQUIREMENTS

SPECIFICATIONS ONLY WHERE APPLICABLE PER PROJECT

ENCASEMENT OF CONDUIT, TRANSFORMER PAD, BARRIERS,

POLE RISER TRENCHING, BACK FILL, AND UTILITY FEES,

CONTRACTOR SHALL CLEARLY IDENTIFY NEW ELECTRICAL

WITH ENGRAVED PHENOLIC NAME PLATES, WHITE 1/4"

COVERS WITH SELF TAPING STAINLESS STEEL SCREWS.

PROVIDE CLEARLY TYPEWRITTEN PANEL "AT&T-A". CLEAR

PLASTIC LAMINATED, PANEL SCHEDULE ON INSIDE OF

(CONTINUITY, MEGGER, ETC.) UPON COMPLETION OF

RESISTANCE FROM THE MAIN ELECTRICAL METERED

SERVICE, MAIN PANEL GROUND BUS, THROUGH THE

GROUND ELECTRODE AT&T GROUND RING TO EARTH

8. CONTRACTOR TO VERIFY ALL CONDUIT ROUTING, (N) AT&T

WITH LANDLORD AND UTILITY COORDINATOR IN FIELD.

1. SERVICE POWER SHALL BE 120/240V, 1PH, 3W, 200AMP.

2. UTILITY RECEPTACLE IS A GFCI DUPLEX OUTLET INSTALLED

3. PROVIDE A MIN. 36" WORK CLEARANCE IN FRONT OF

4. ALL BREAKERS IN THE ELEC PANEL RATED 10,000 RMS

SYMMETRICAL AMPS, 240V MAX. 75°C.

5. ALL WIRING SHALL BE COPPER 75° C U.N.O.

UNDERGROUND: PVC (SCHED 40 OR 80)

INDOOR: EMT (RGS) IN TRAFFIC AREAS

6. CONDUIT REQUIREMENTS (TYP., U.N.O):

OUTDOOR (ABOVE GRADE): RGS

METER, (N) MTS, AND (N) GROUND ROD EXACT LOCATION

6. TEST ALL ELECTRICAL & GROUNDING SYSTEMS

INSTALLATION PRIOR TO FINALIZING WORK.

SHALL NOT EXCEED 5 OHMS.

IN THE DEADFRONT OF PPC.

PANELS/SERVICE EQUIP.

ELECTRICAL NOTES:

HIGH LETTERS ON BLACK BACKGROUND, MOUNT TO

METERED SERVICE/DISCONNECT AND "AT&T-PPC" CABINET

AND CONSTRUCT TO UTILITY ENGINEERING PLANS AND

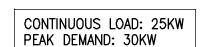
ARE PRELIMINARY AND SUBJECT TO CHANGE TO

2. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANY

CONTRACTOR SHALL FURNISH AND INSTALL CONDUIT,

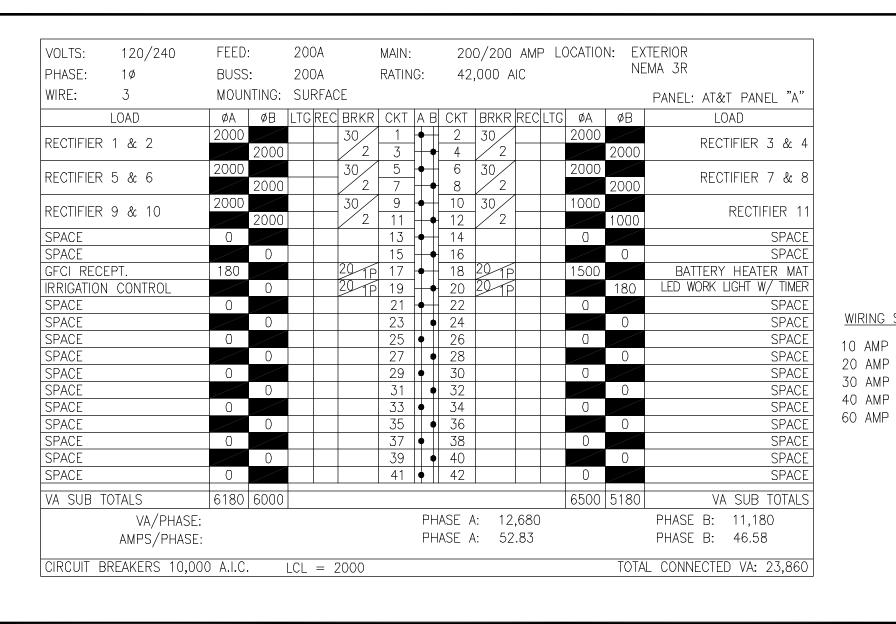
PULL WIRES, CABLE PULL BOXES. CONCRETE

AND INCLUDE REQUIREMENTS IN SCOPE.



POWER AND TELCO NOTES:

SCOPE OF WORK.



ELECTRICAL

EXISTING UTILITY POLE #P5438664

277/480V, 1PH **[POWER POC]**

480V SOURCE/SERVICE PREFERRED.

EQUIPMENT AREA

NEW 3" CONDUIT WITH PULL ROPE

NEW CURRENT LIMITING FUSED PULLOUT -

NEW 480V, 2POLE, NEMA 3 HIGH SIDE FUSED

NEW PAD MTD. 480/240V-240/120V, 1PH,

50KVA STEPDOWN TRANSFORMER, NEMA 3R

DISCONNECT SWITCH WITH 100A FUSES

NEW 1/2"ø C. WITH 2-#3AWG +

NEW #2 CU AWG GROUND TO NEW-

NEW 2 1/2"ø CONDUIT WITH

(N) 240V-200A, 1P MICRON-

 $3-3/\emptyset + 1-\#4$ AWG GND (±10')

CAM-LOK GENERATOR CONNECTOR

1PH, 3W, 200A, POWER TRANSFER

[MOUNTED ON H-FRAME]

(N) AT&T NEMA 1R, 3-SOURCE ATS 120/240V,

LOAD CENTER WITH TVSS (UL 891) BY INTERSECT

METER GROUND RODS 5/8"ø x 10'

 $1-\#4AWG GND, 600V (\pm 5'-0")$

LONG PER CEC ART. 250

(MOUNTED ON PTLC)

A-19

[MOUNTED ON H-FRAME]

DISCONNECT WITH CLASS T 100AMP

CURRENT LIMITING FUSES

LONG PER CEC ART. 250

NEW #2 CU AWG GROUND TO NEW —

METER GROUND RODS 5/8"ø x 10'

AND MEASURE TAPE PER UTILITY

STANDARDS (±80')

WIRING SIZE TABLE U.N.O. #12 AWG #10 AWG #8 AWG #6 AWG

24"x36" SCALE: NTS

11"x17" SCALE: NTS

METER ADDRESS:

NEW 277/480V, 1PH, 3W, METER

AND CURRENT LIMITING FUSED

NEW 1/2" C. WITH 2-1/0 +

 $1-\#6AWG GND, 600V (\pm 430'-0")$

PEDESTAL WITH TEST BYPASS SWITCH

DISCONNECT [MOUNTED ON CONC. PAD]

2460 W. PIONEER AVE CELL

SITE POWER IS LIMITED TO 84 AMPS

WHEN ON GENERATOR POWER

NEW AT&T REMOTE GENERATOR EMERGENCY

W/ BREAK GLASS IN CASE OF EMERGENCY

MOUNTED NEAR GATE PER CEC 445.18 AND

-(N) AT&T GENERAC 20kW AC

2 POLE OUTPUT BREAKER

GENERATOR WITH 105 GALLON FUEL

#2 AWG GROUND TO 5/8"øx10'

COPPER CLAD GROUND RODS

PER NEC ART 250

(N) 3/4" C-CONTROL WIRING

-(N) 2" CONDUIT, 3-#3/0 +,

KEYED NOTES

(1) NORMAL - UTILITY POWER

(2) STANDBY GENERATOR POWER

1-#4 AWG GND. [±5']

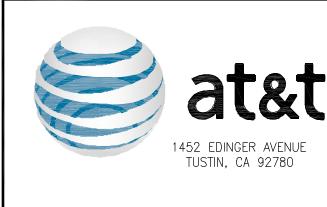
AS REQUIRED

TANK. 120/240V, 1PH,3W, 100 AMP,

APPLICABLE SUB-SECTION(S).

SHUT-OFF SWITCH IN LOCKABLE W.P CABINET

FULLERTON, CA 92832







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В	04/19/2023	REMOVED MW ANTENNA
А	11/04/2022	90% CD'S FOR REVIEW
REV	DATE	DESCRIPTION

ISSUED FOR:

10/03/2024

BP SUBMITTAL

LICENSURE:



DATE SIGNED: 07/15/2024

PROJECT INFORMATION:

CLL01408 PONTIAC FIREBIRD

| 2470 WEST PIONEER AVE. #A, FULLERTON, CA 92832

DRAWN BY: CHECKED BY: SHEET TITLE:

ELECTRICAL NOTES, PANEL SCHEDULE & SINGLE LINE DIAGRAM

SHEET NUMBER:

E-3

(3) EMER. #2 - GENERATOR CONNECTOR AT&T PANEL "A" 42-POSITION LOAD CENTER PANEL "A" INSIDE CABINET (ALL BREAKERS COME FACTORY INSTALLED. (4) BATTERY CHARGER - GENERATOR MODIFY CIRCUIT BREAKER ARRANGEMENT AS SHOWN IN THE PANEL SCHEDULE) (5) BLOCK HEATER - GENERATOR (N) AT&T PPC

(4)(5)

INSTALL (N) 2-20AMP, 1P, 120V (6) BREAKERS FOR BATTERY CHARGER AND BLOCK HEATER IN 3/4" CONDUIT

24"x36" SCALE: NTS

11"x17" SCALE: NTS

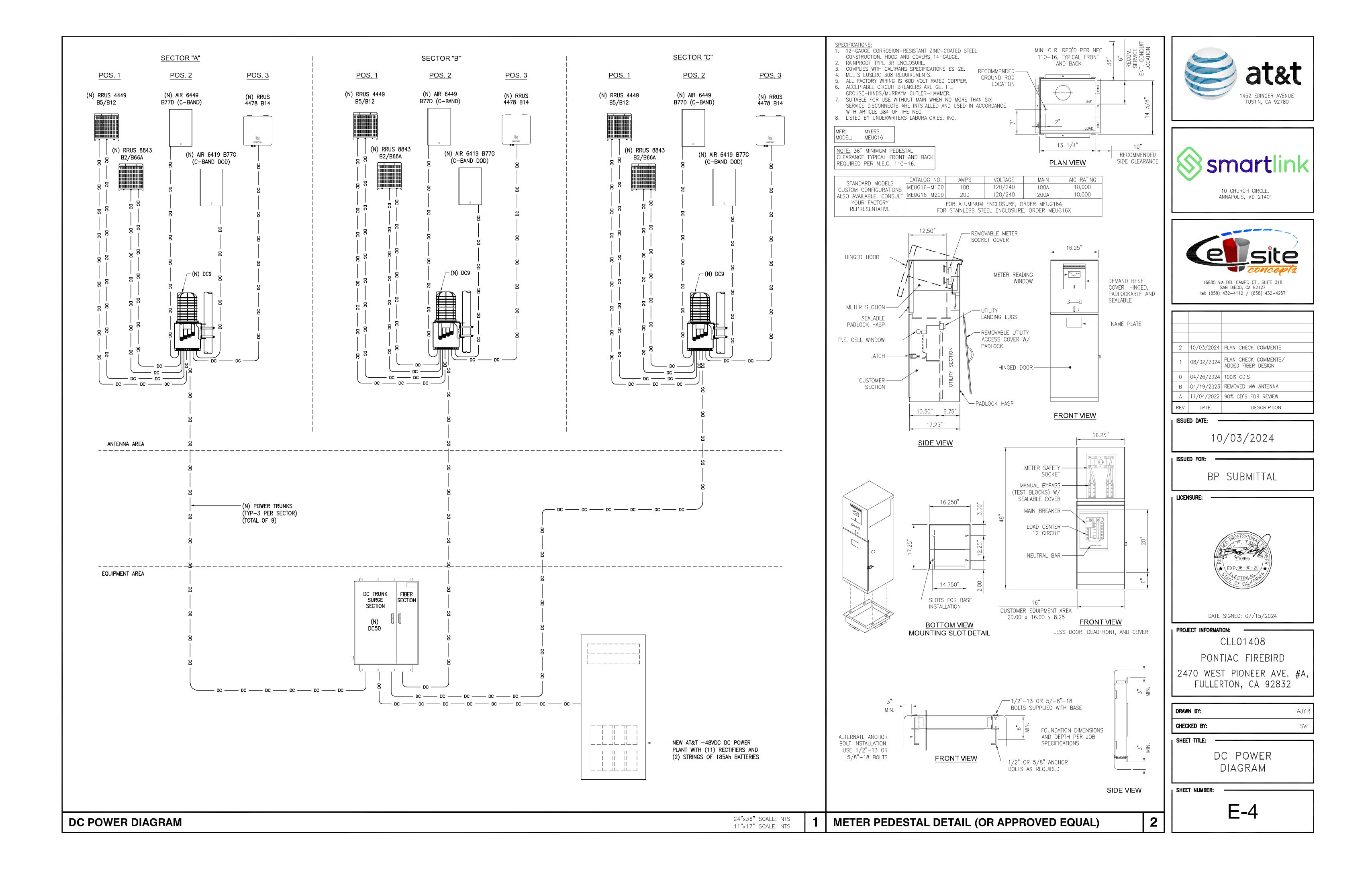
ELECTRICAL, GROUNDING AND BONDING NOTES

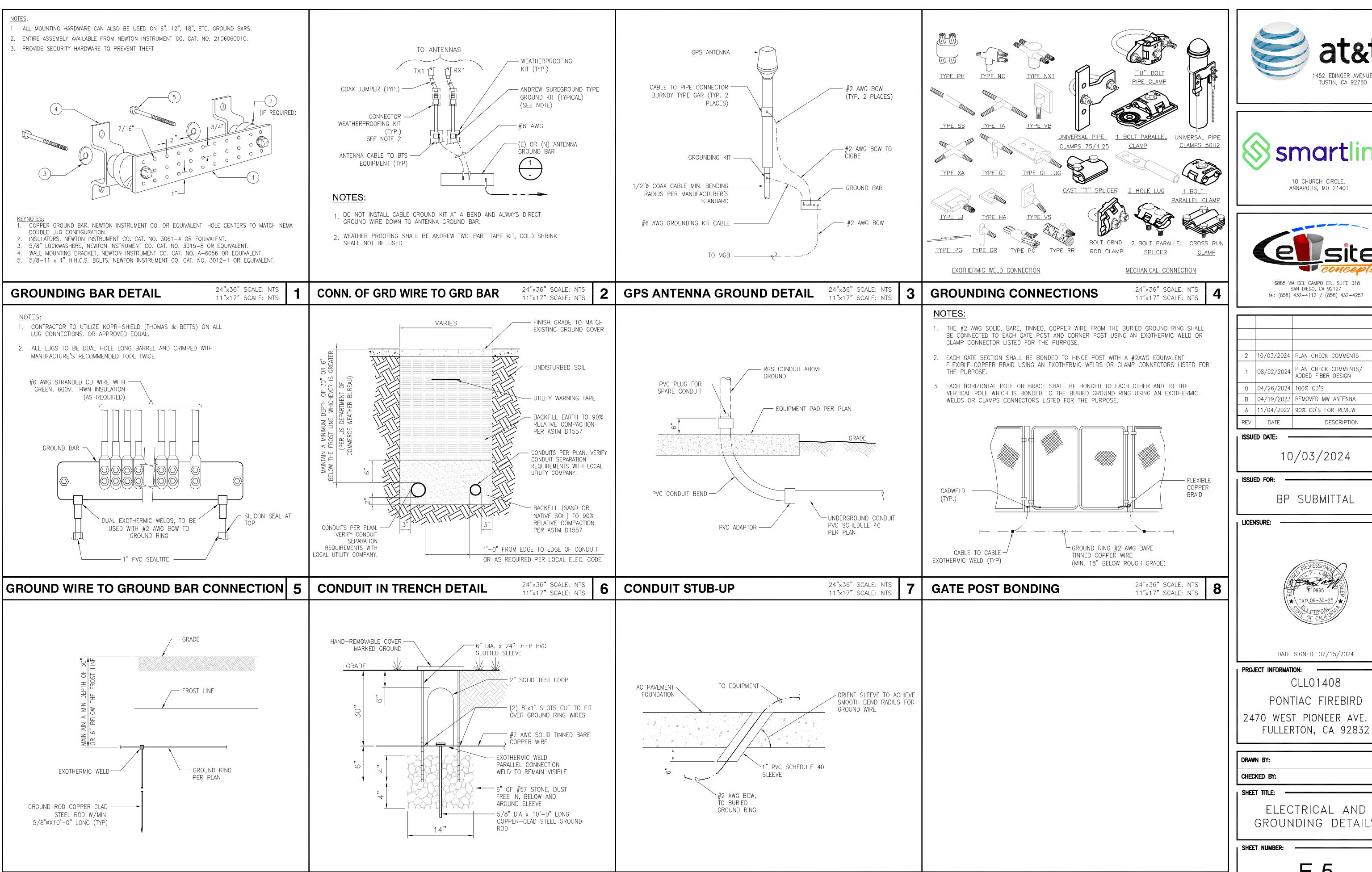
24"x36" SCALE: NTS 11"x17" SCALE: NTS

SINGLE LINE DIAGRAM

IN PARALLEL

ATS/MTS OPERATION IS BREAK BEFORE MAKE. AT NO TIME WILL SOURCES BE





24"x36" SCALE: NTS 11"x17" SCALE: NTS

10 CONDUIT SLEEVE DETAIL

GROUND ROD WITH TEST WELL

24"x36" SCALE: NTS 11"x17" SCALE: NTS

GROUND ROD DETAIL

24"x36" SCALE: NTS 11"x17" SCALE: NTS

11 NOT USED







		X X X X X X X X X X
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PROJECT INFORMATION:

CLL01408 PONTIAC FIREBIRD

2470 WEST PIONEER AVE. #A,

DRAWN BY:	AJYR
CHECKED BY:	SVF

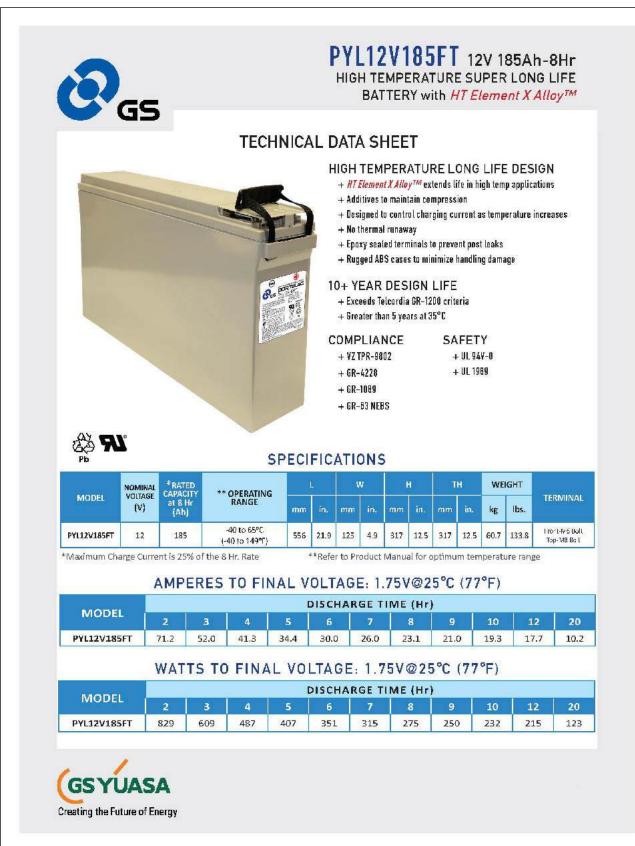
ELECTRICAL AND GROUNDING DETAILS

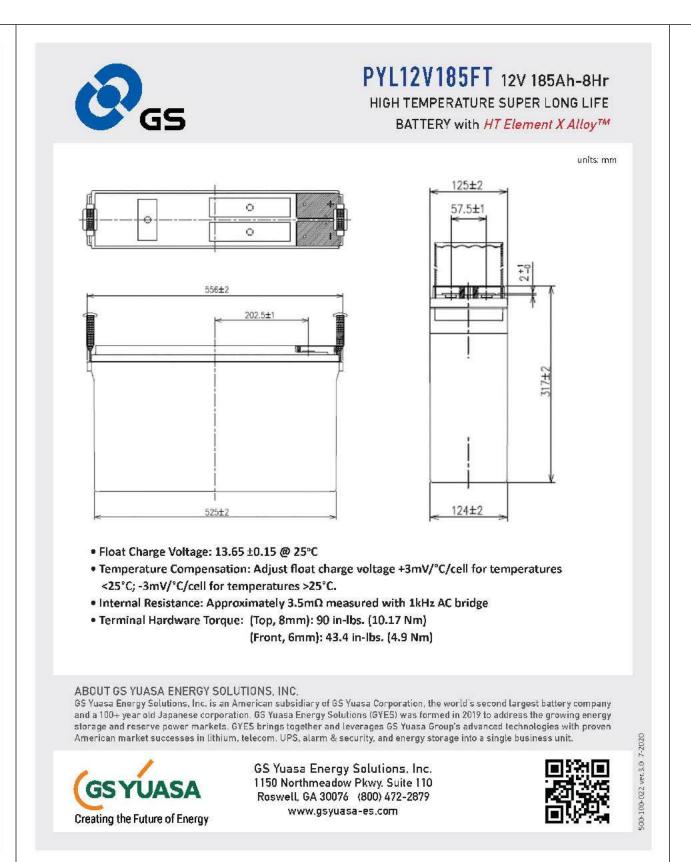
24"x36" SCALE: NTS

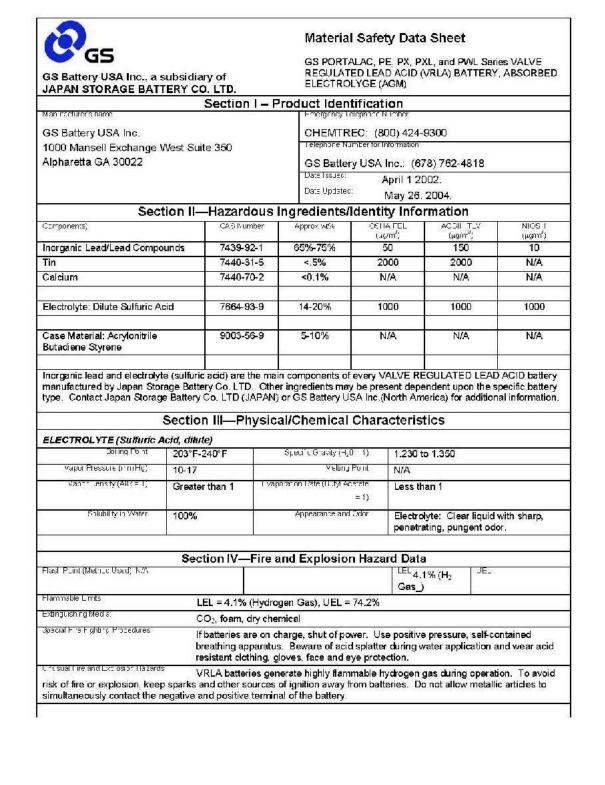
11"x17" SCALE: NTS

12

E-5







Page 1

Section V—Reactivity Data X Prolonged overcharge on high current, ignition sources Sulfuric acid: Contact with combustibles and organic materials may cause fire and explosion. Also reacts violently with strong reducing agents, metals, sulfur trioxide gas, strong oxidizers, and water. Contact with metals may product toxic sulfur dioxide furnes and may release flammable hydrogen gas Lead Compounds: Avoid contact with strong acids, bases, halides, halogenates, potassium nitrate, permanganate, peroxides, nascent hydrogen, and reducing agents. Hazardous Decomposition or Byproducts Sulfuric acid: Sulfur trioxide, carbon monoxide, sulfuric acid mist, sulfur dioxide, and hydrogen sulfide. Lead Compounds: High temperatures above the melting point are likely to produce toxic metal furne, vapor, or dust; contact with strong acid or base or presence of nascent hydrogen may generate highly toxic arsine gas... Hazardous Polymerization Section VI—Health Hazard Data Sulfuric acid: Harmful by all routes of entry. Lead Compounds: Hazardous exposure can occur only when product is heated, oxidized, or otherwise process or damaged to create dust, vapor or fume. Sulfuric acid: Breathing sulfuric acid vapors and mists may cause severe respiratory. Lead Compounds: Dust or furnes may cause irritation of upper respiratory tract or lungs Sulfuric acid: Severe irritation, burns and ulceration. Lead Compounds: Not absorbed through the skin. Sulfuric acid: May cause severe irritation of the mouth, throat, esophagus, and stomach. Lead Compounds: May cause abdominal pain, nausea, vomiting, diarrhea, and severe cramping. Acute ingestion should Sulfuric acid: Severe irritation, burns, cornea damage, and possible blindness. Lead Compounds: May cause eye irritation. Sulfuric acid: Severe skin irritation, burns, damage to cornea may cause blindness, upper respiratory irritation. Lead Compounds: May cause abdominal pain, nausea, headaches, vomiting, loss of appetite, severe cramping, muscular aches and weakness, and difficulty sleeping. Chronic Health Hazards Sulfuric acid: Possible scarring of the cornea, inflammation of the nose, throat and bronchial tubes, possible erosion of Lead Compounds: May cause anemia, damage to kidneys and nervous system, and damage to reproductive system in both males and females. Carcinogenicity Sulfuric acid: The National Toxicological Program (NTP) and The International Agency for Research on Cancer (IARC) have classified .strong inorganic acid mist containing sulfuric acid. as a Category 1 carcinogen, a substance that is carcinogenic to humans. The ACGIH has classified istrong inorganic acid mist containing sulfuric acid, as an A2 carcinoger (suspected human carcinogen). These classifications do not apply to liquid forms of sulfuric acid or sulfuric acid solutions ontained within a battery. Inorganic acid mist (sulfuric acid mist) is not generated under normal use of this product. Misuse of the product, such as overcharging, may result in the generation of sulfuric acid mist. Lead Compounds: - Human studies are inconclusive regarding lead exposure and an increased cancer risk. The EPA and the International Agency for Research on Cancer (IARC) have categorized lead and inorganic lead compounds as a B2 classification (probable/possible human carcinogen) based on sufficient animal evidence and inadequate human evidence. Page 2 QFS-06REV A







tel: (858) 432-4112 / (858) 432-4257

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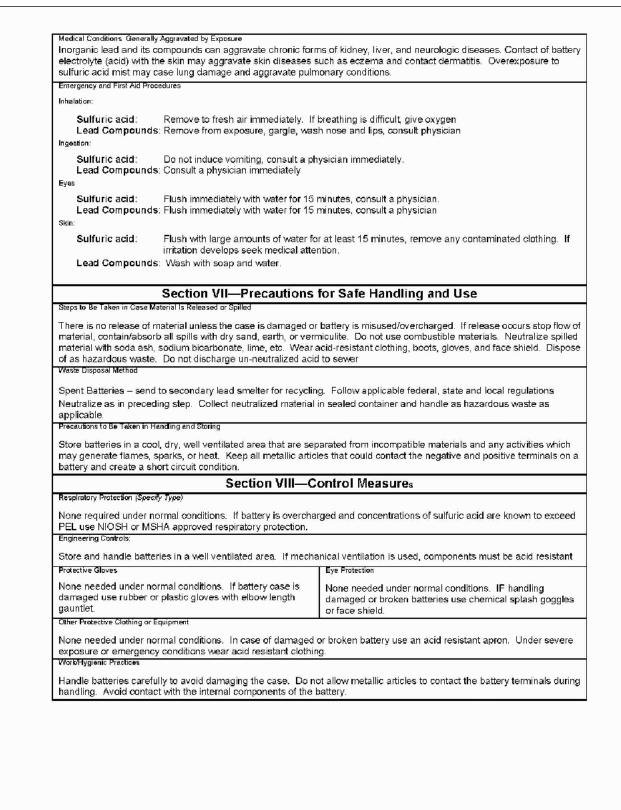
2470 WEST PIONEER AVE. #A, FULLERTON, CA 92832

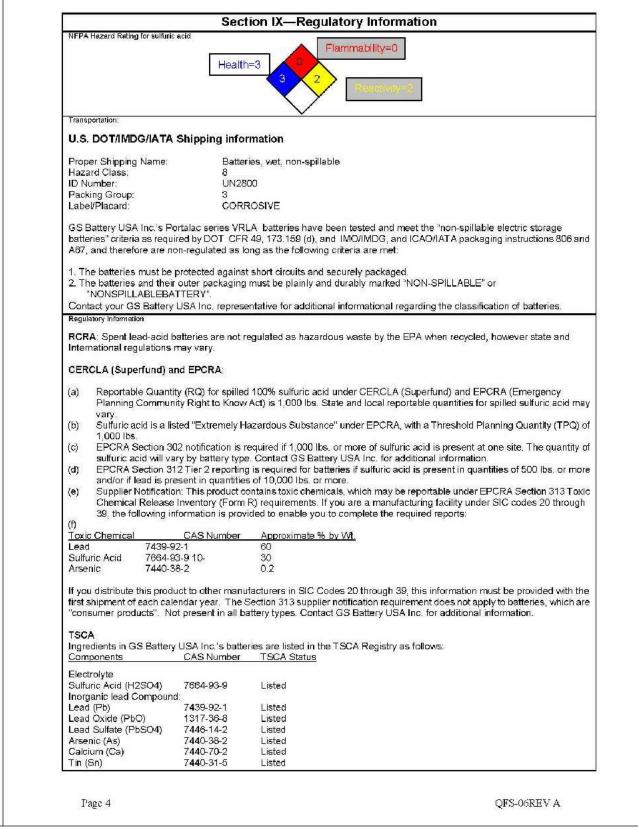
DRAWN BY:	AJYR
CHECKED BY:	SVF

SHEET-TITLE: —

BATTERY SPECS, MSDS AND KWH CALCULATION

sheet Number: —





202	22 CFC SECTION 1206 COMPLIANCE
	NEW VERTIV DC POWER PLANT
BATTERY TYPE: AMP—HR PER BATTERY VOLTS PER BATTERY KWH PER BATTERY BATTERY QUANTITY: TOTAL KWH:	(N) GS BATTERY PYL12V185FT 185 AH 12 VOLTS 2.22 KWH 8 17.76 KWH
SINCE THE TOTAL KWH AT THIS 2022 CFC SECTION 1206.	S SITE IS LESS THAN 70KWH, THIS SITE IS IN COMPLIANCE WITH

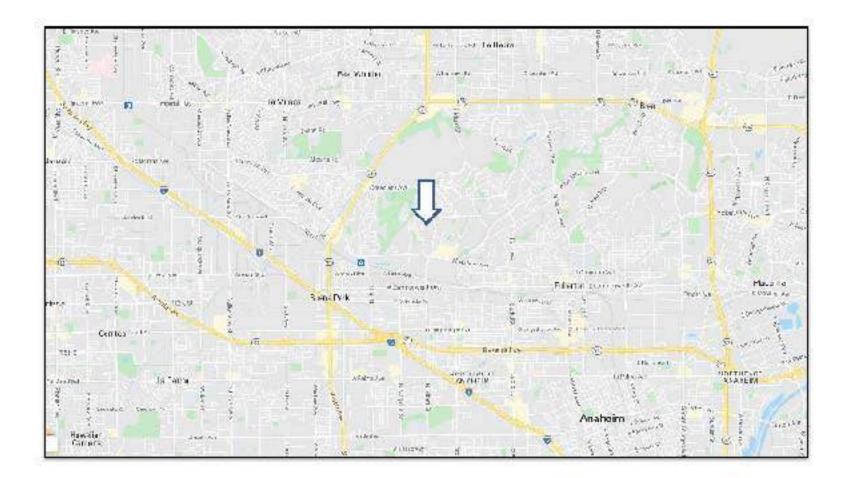
QFS-06REV A

BATTERY SPECS, MSDS AND KWH CALCULATION

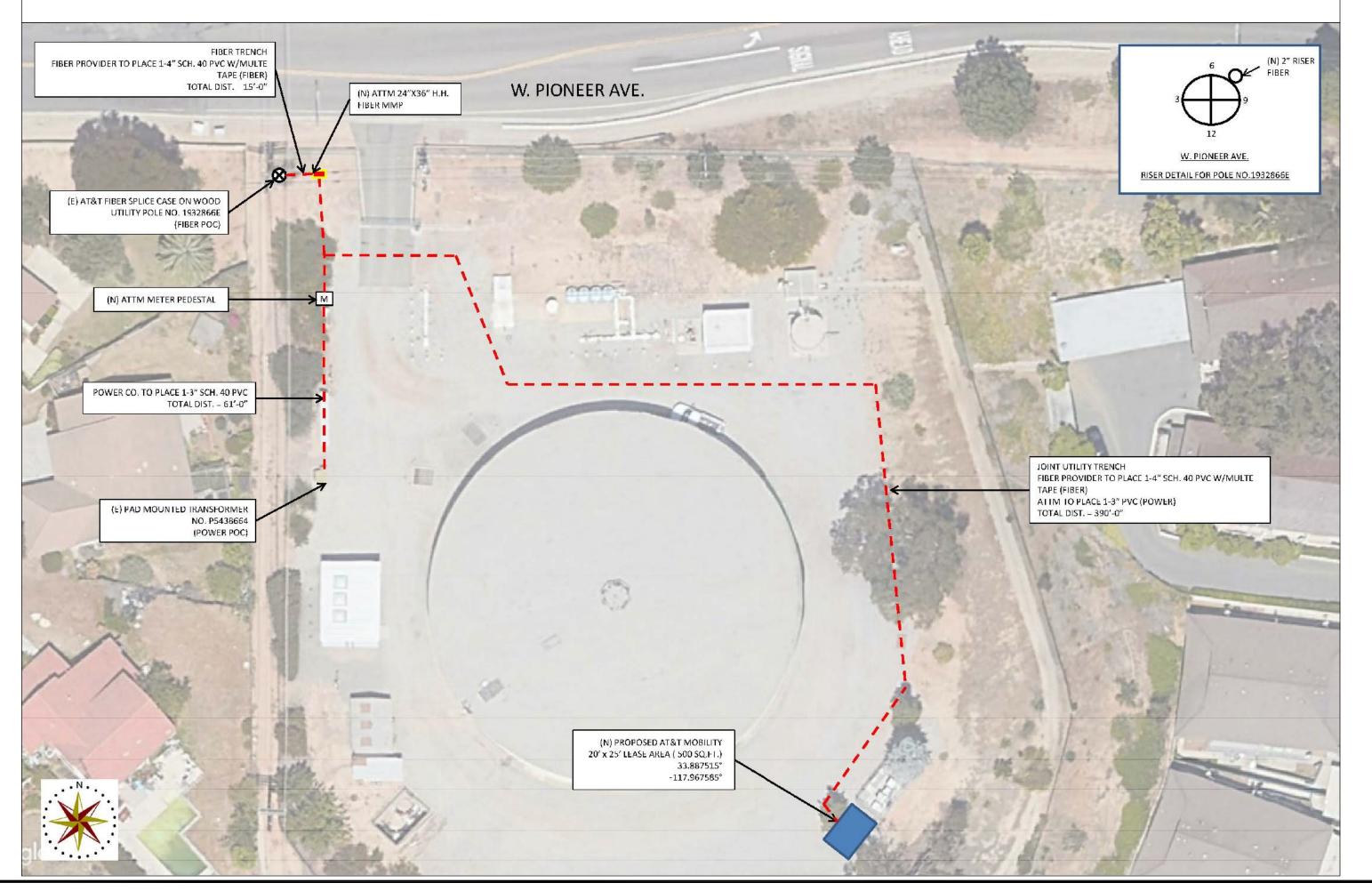
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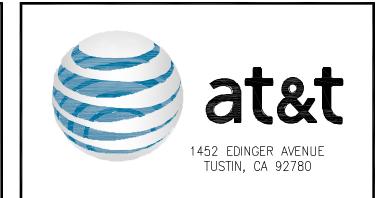






SITE NUMBER: CLL01408
WALK DATE: MAY 17, 2022
SITE ADDRESS: 2470 W. PIONEER AVE.
FULLERTON, CA 92833
POWER CO.: SCE
LEC: AT&T









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LICENSURE:



DATE SIGNED: 07/15/2024

PROJECT INFORMATION:

CLL01408

PONTIAC FIREBIRD

2470 WEST PIONEER AVE. #A,

FULLERTON, CA 92832

DRAWN BY: AJYR

CHECKED BY: SVF

PRELIMINARY
POWER DESIGN
(BY UTILITY PROVIDER)

SHEET-NUMBER: —

E-7

NOTE:

THE CD SITE DESIGN FOR POWER IS
SUBJECT TO CHANGE BASED ON RECEIPT
OF FINAL POWER DESIGN FROM UTILITIES







AT&T MOBILITY CLL01408 / FA# 13023941 USID 317745

FOR SITE INFORMATION AND ACCESS CALL Alisha Strasheim (951-440-0669) DATE OF WALK SURVEY: 06/27/2024 Site Address: 2470 West Pioneer Ave. Fullerton, CA 92832

Walk Completed with Melanio Balmania of ATTWL (714-267-4158) MB3406@att.com

ENGINEERING NOTES:

This site is located at the city of Fullerton

Stewart pump Station on W. Pioneer Ave. Lease

area is on the Southeast corner of the property.

TELCO CELL SITE REQUIREMENTS SPOC BINDER DATED 02/27/2022

- 1.) 1-2" minimum diameter duct of approved material or 1-4" at carriers request a.) Within or on buildings - rigid galvanized steel (when required), or electro-metallic tubing
- b.) In underground PVC schedule 40 or equivalent
- 2.) Within or on buildings a.) Electrical LB's and condulets are not acceptable as pull boxes
- b.) No 90 degree transitions at or within a pull box
- c.) In line pull box minimum dimensions = 12" L x 8" W x 8" D d.) Vertical sections of conduit will require a pull box every 100 feet and the use of approved
- cable restraints e,) A maximum of 300 feet horizontal between pull boxes f.) A maximum of 2-90 degree sweeping radius bends between pull boxes g.) Minimum
- bending radius of 10 cable diameter (10") on buildings h.) Fire stopping required when openings are made in any fire rated barrier (refer To BSP 620-100-105 and BSP 622-700-102)
- I.) All external conduit terminations shall be weather-tight
- 3.) In underground construction a.) A conduit length maximum of 300 feet between pull boxes
- b.) A sweeping bend is a radius 10 times the conduit diameter (20" in the UG) 4.) Pull lines in all ducts (minimum of 3/8" poly rope) & a measuring tape must also be in place to determine "as built" conduit length; both must be continuous piece end-to-end.
- TRENCHING 1.) Minimum coverage of duct on private property = 18" or as specified by permitting agent 2.) Minimum coverage of duct in public r/w = 24" or as specified by permitting agent
- 3.) Minimum of 12" separation in Joint trench between power & telco, or as specified by permitting agent (vertical separation approved due to specific site conditions) 4.) Pull boxes = minimum 17" W x 30" L
- 5.) Splice boxes = minimum 30" W x 48" L 6.) All conduit to enter the ends of boxes (not sides) and be mortared (not swept into the bottom like power). Conduits to be cut flush with the inside face of the box 7.) Bases are required on all splice boxes. Splice boxes are to be equipped with cable racks
- and pulling eyes 8.) Traffic related boxes, bases & lids on all pull or splice boxes that are subject to vehicles BONDING AND GROUNDING 1.) #6 AWG copper ground wire (6' coil), & bonding clamps in place at each attachment point
- 2.) Solid ground wire preferred (stranded as a second choice) 3.) Ground telco service cabinet to MGB (main ground buss) at Pacific Bell Central Office locations. MGB is tied to existing central office grounding ring
- 4.) Bond all metallic cabinets with non-metallic conduit to building ground or ground rod

GROUNDING THE TELEPHONE LINE PROTECTOR UNIT

1. A neutral bus of the AC Service Panel 2. A power grounding electrode conductor (GEL)

Power Grounding Electrode Conducto

3. A power grounding electrode (power ground rod) 4. A metallic power service raceway / conduct

Acceptable TLPU Grounding Connections to the Power Ground

- 5. Building steel (building steel is required to be bonded to the power GEC) 6. A cold water pipe (cold water pipe is required to be bonded to the power GEC)
- From Telephone require a pull box. Minimum dimensions for an in-ground pull Power Service Cable box is 17"x30"24" deep. Connect Protector Ground Power Service Wire To Nearest Grounding Point 1, 2, 3, 4, 5, 6 Raceway/Conduit SCOPE OF WORK:

Cold Water Pipe

- Hoffman Box located at H-Frame in ATTM lease area approx. 75' away. Total OTAL MULE TAPE to be installed 75'.
- Clena (3931). GC to install & label 14AWG (Telco Flex), -48VDC, 5
- GC to install & label #6 ground on telco H-Frame for
- GC to Install & label #6 ground to mini-buss bar in (N) 30"x36"x8" Hoffman Box FTE. · GC to install (N) buss bar on H-Frame.

GC to install & label #6 ground wire at Ciena location.

CONSTRUCTION NOTES:

MMP is (E) ATTWL 3x5 Handhole on private property. Site does note have 24/7 access. Need keycard for entrance. · Condult should have a minimum 3' sweeping radius-no right angles-no more than three 90° turns without a pull box. Paths longer than 300' or with two or more 90-degree turns will

Terminate conduit in pull boxes and splice boxes in the end wall of the box and perpendicular to the end wall. Trim conduit flush with end walls and grout around conduit to seal. Couplings on rigid conduit may extend into the box no

- · GC to survey proposed ATTM Telco route. MMP is (E) ATTWL 3x5 Handhole on private property. GC to notify and provide construction schedule to LL. GC to provide (N) 4" SCH. 40 PVC from MMP to
- GC to install (n) 30"x36"x8" Hoffman Box and ATTWL
- AMP power from DC power plant to (E) H-Frame for

PACE #: MRLOS094248, USID: 317745, PTN #: 3551A12TDE, FA #: 13023941 SITE INFORMATION APPLICANT AZERESS: AFAT MORESTY 145) EDWICE MYE. TUSTON CA 92750 MANAGER CROLE, MANAGER CROLE, MANAGER, NO THAT LARRISE (MA) 83). LONGITHELIMO 83). CRUMO REPORTOR. COLUMNO: ANI §1. 20490 PRODUCTION. CREMI COLUMNO: ANY ROLL LEAK SPACE. P-L PUBLIC LAND PROJECT TEAM DRIVING DIRECTIONS CODE COMPLIANCE WORK AND MATERIALS SPORT BY PERFORMED AND INSTALLED BY ACCORDINGS. WITH THE ROLT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNORS OMINISTRATIVE CODE (INCL. TITLE 24 & 25) LDDW OFFICIALS & CODE ADMINISTRATORS (BOCA) **GENERAL NOTES** ACCESSIBILITY NOTE

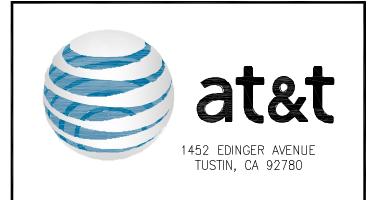
SITE NUMBER: CLL01408

SITE NAME: PONTIAC FIREBIRD

2470 WEST PIONEER AVE. #A, FULLERTON, CA 92832



at&t





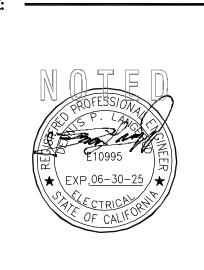


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REV	DATE	DESCRIPTION

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BP SUBMITTAL



DATE SIGNED: 07/15/2024

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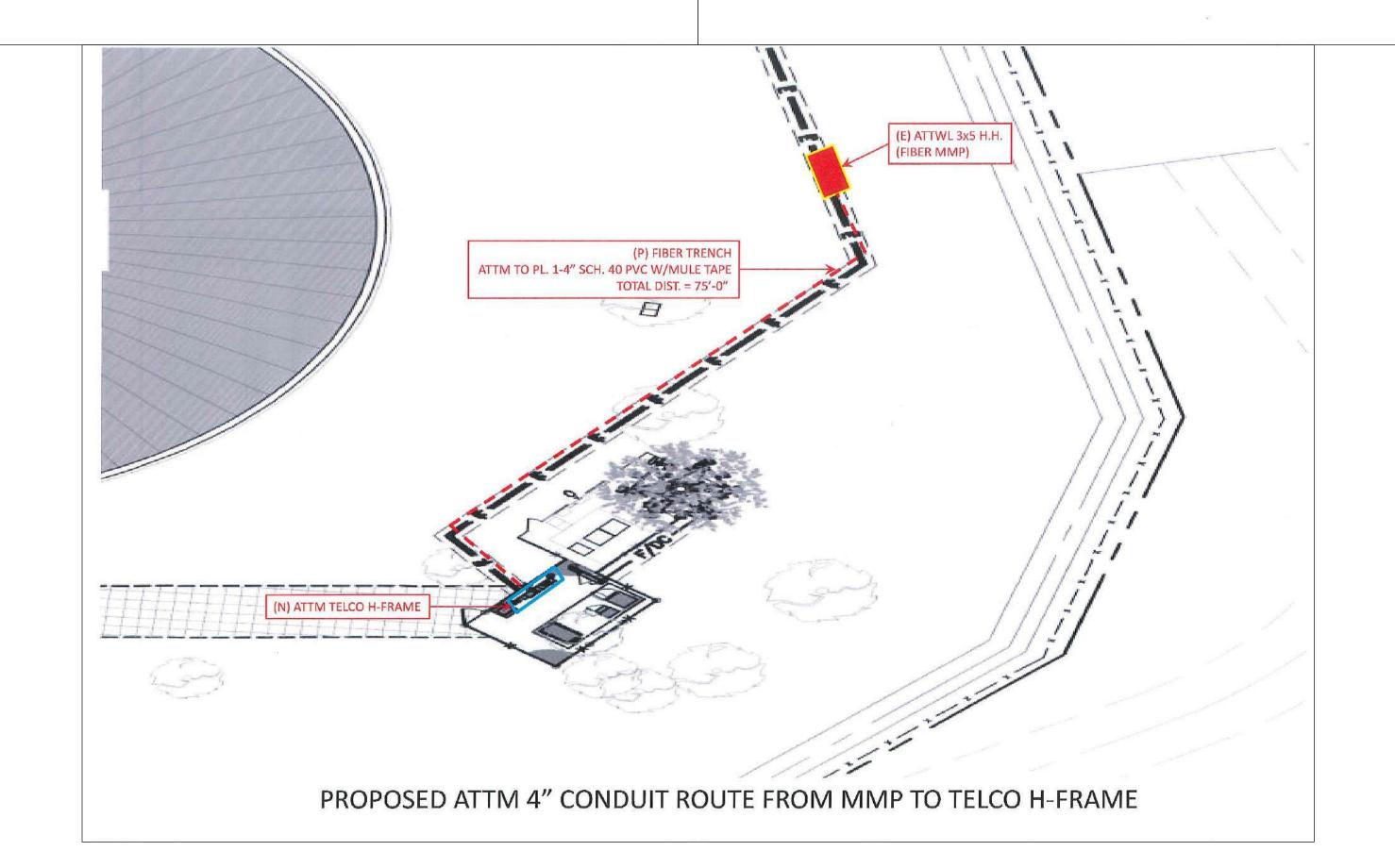
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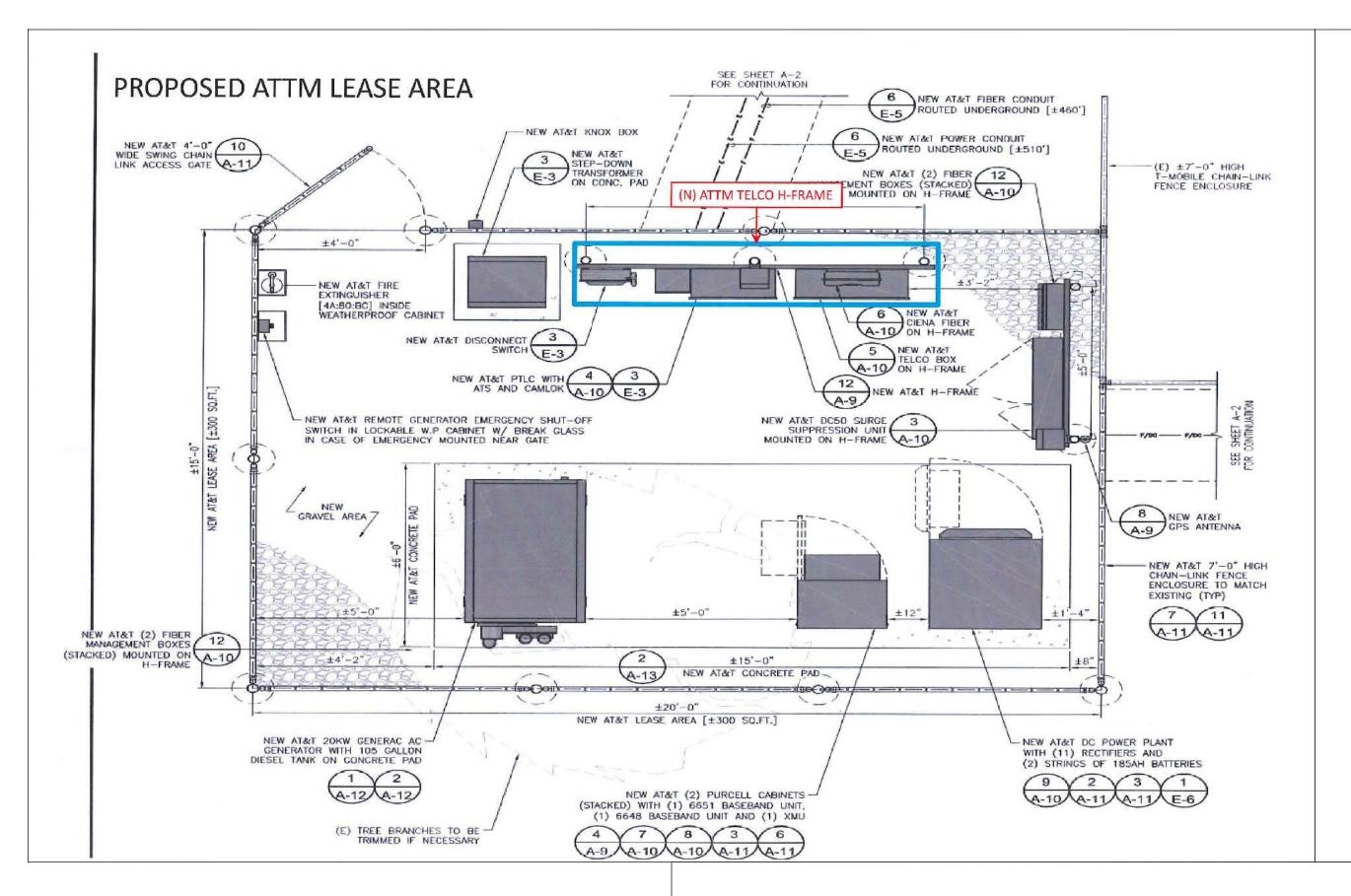
FIBER DESIGN (BY OTHERS)

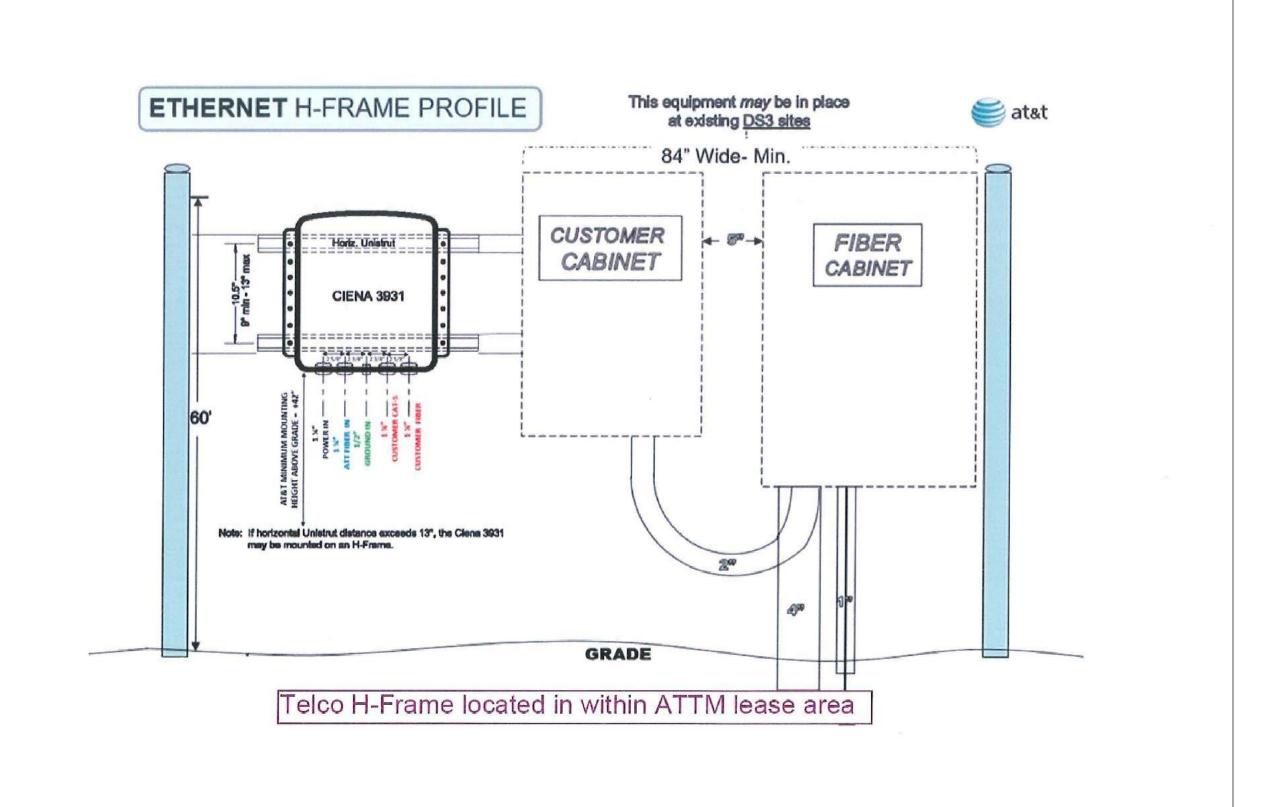
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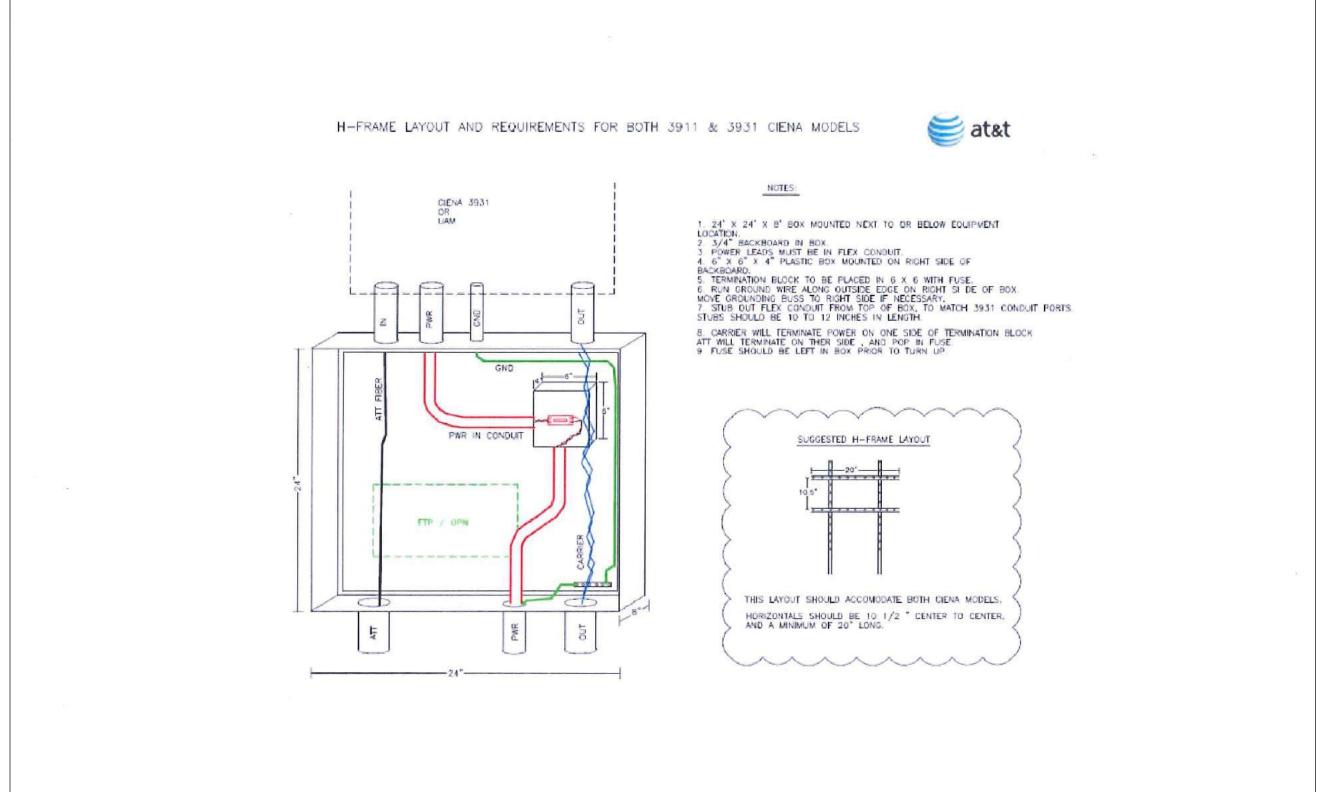
E-8



24"x36" SCALE: NTS 11"x17" SCALE: NTS FIBER DESIGN (BY OTHERS)













2	10/03/2024	PLAN CHECK COMMENTS
1	08/02/2024	PLAN CHECK COMMENTS/ ADDED FIBER DESIGN
0	04/26/2024	100% CD'S
В	04/19/2023	REMOVED MW ANTENNA
А	11/04/2022	90% CD'S FOR REVIEW
REV	DATE	DESCRIPTION

| ISSUED-DA

10/03/2024

ISSUED FOR:

BP SUBMITTAL

LICENSURE: ---



DATE SIGNED: 07/15/2024

PROJECT INFORMATION: -

CLL01408 PONTIAC FIREBIRD

2470 WEST PIONEER AVE. #A, FULLERTON, CA 92832

DRAWN BY:	AJYR
CHECKED BY:	SVF

SHEET-TITLE: -

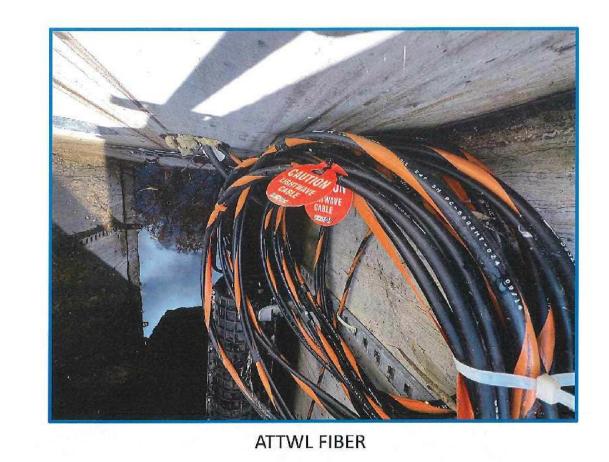
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SHEET NUMBER: ---

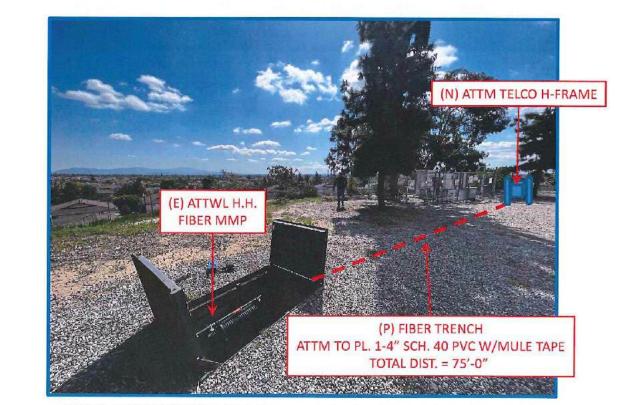
E-9

FIBER DESIGN (BY OTHERS)

24"x36" SCALE: NTS
11"x17" SCALE: NTS





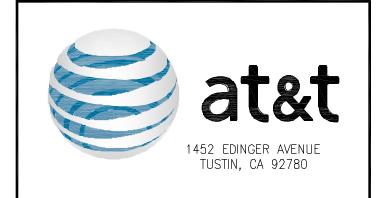


FIBER TRENCH FROM MMP AT ENTRANCE OF LEASE ARE













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LICENSURE:



DATE SIGNED: 07/15/2024

PROJECT INFORMATION: —

CLL01408 PONTIAC FIREBIRD

2470 WEST PIONEER AVE. #A, FULLERTON, CA 92832

DRAWN BY:	AJYR
CHECKED BY:	SVF

SHEET-TITLE:

FIBER DESIGN (BY OTHERS)

SHEET-NUMBER: —

E-10

FIBER DESIGN (BY OTHERS)

24"x36" SCALE: NTS
11"x17" SCALE: NTS

STRUCTURAL DESIGN DRAWINGS

SITE NAME:

SITE NUMBER:

PIONEER US-CA-1322

SITE ADDRESS:

2470 PIONEER AVE #A **FULLERTON, CA 92832** (ORANGE COUNTY) N 33°53'15.00", W 117°58'02.00"

INDEX OF SHEETS

MODIFICATION PROVISIONS

THE MODIFICATIONS DEPICTED ON THESE DRAWINGS ARE BASED ON THE RECOMMENDATIONS OUTLINED IN THE STRUCTURAL MODIFICATION ANALYSIS REPORT COMPLETED BY TOWER ENGINEERING PROFESSIONALS (TEP), JOB#: 72879.980281 DATED JULY 30, 2024 (REV 0) PER TIA-222-H. THIS REPORT IS BASED ON A SPECIFIC ANTENNÁ LOADING AND COAX CONFIGURATION. SEE THE REPORT FOR THE ANTENNA AND COAX LOADING INFORMATION. ANY OTHER ANTENNA OR COAX CONFIGURATION REQUIRES REVIEW BY TEP. SATISFACTORY COMPLETION OF THE MODIFICATIONS INDICATED ON THESE DRAWINGS WILL RESULT IN THE STRUCTURE MEETING THE REQUIREMENTS OF THE SPECIFICATIONS UNDER WHICH THE STRUCTURAL WAS COMPLETED.

CONTRACTOR SHALL FIELD VERIFY ALL: DIMENSIONS, QUANTITIES, PART NUMBERS AND COAX/ANTENNA PLACEMENTS PRIOR TO: BIDDING, ORDERING MATERIALS, AND CONSTRUCTION.

NO. SHEET TITLE	REV
T-1 TITLE SHEET	0
N-1 MI CHECKLIST AND NOTES	0
N-2 PROJECT NOTES I	0
N-3 PROJECT NOTES II	0
N-4 NEXGEN2 INSTALLATION DETAILS	0
S-1 TOWER ELEVATION AND MODIFICATION SCHEDULE	0
S-2 SECTION DETAILS	0
S-3 SHAFT REINFORCEMENT DETAILS	0
S-4 TYP. SHAFT REINFORCEMENT DETAILS I	0
S-5 TYP. SHAFT REINFORCEMENT DETAILS II	0
S-6 TRANSITION STIFFENER DETAILS	0
S-7 SITE PLAN	0
S-8 FOUNDATION REINFORCEMENT DETAILS I	0
S-9 FOUNDATION REINFORCEMENT DETAILS II	0
S-10 FOUNDATION REINFORCEMENT DETAILS III	0
S-11 FOUNDATION REINFORCEMENT DETAILS IV	0
S-12 MICRO-PILE DETAILS	0
S-13 TOWER EXTENSION DETAILS I	0
S-14 TOWER EXTENSION DETAILS II	0
S-15 FLANGE BRACKET DETAILS	0
S-16 REPLACEMENT BRANCH RECEPTACLES	0

PROJECT TEAM

PROJECT CONTACT:

PHOENIX TOWER INTERNATIONAL **ADDRESS** 999 YAMATO ROAD, SUITE 100 CITY, STATE, ZIP BOCA RATON, FL, 33431 CONTACT CHELSI MONIHAN (503) 593-0282 PHONE CHELSI.MONIHAN@TAEC.COM FMAII

ENGINEERING FIRM PROJECT MANAGER:

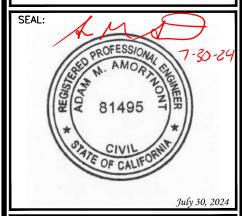
TOWER ENGINEERING PROFESSIONALS, INC. 326 TRYON ROAD CITY, STATE, ZIP RALEIGH, NC 27603 CONTACT JARRED L. WALLACE, P.E. PHONE (919) 661 - 6351**EMAIL** MRF@TEPGROUP.NET



BOCA RATON, FL 33431 OFFICE: (503) 593-0282 PLANS PREPARED BY:



www.tepgroup.net



07-30-24 MODIFICATION DRAWINGS DATE ISSUED FOR:

DRAWN BY: JLW | CHECKED BY:

SHEET TITLE:

TITLE SHEET

SHEET NUMBER:

REVISION:

TEP#: 72879.98028

ATTENTION

QUALIFIED ENGINEERING SERVICES ARE AVAILABLE FROM TEP TO ASSIST CONTRACTORS IN CLASS IV RIGGING PLAN REVIEWS. FOR REQUESTED QUALIFIED ENGINEERING SERVICES, CONTACT TEP FOR QUOTE AT RIGGING@TEPGROUP.NET.

	MI CHECKLIST						
REQUIRED	RED REPORT ITEM BRIEF DESCRIPTION						
	PRE-CONSTRUCTION						
NA	EOR APPROVED SHOP DRAWINGS	ONCE THE PRE-MODIFICATION MAPPING IS COMPLETE AND PRIOR TO FABRICATION, THE CONTRACTOR SHALL PROVIDE DETAILED ASSEMBLY DRAWINGS AND/OR SHOP DRAWINGS ALONG WITH EOR RFI FORM DETAILING ANY CHANGES FROM THE ORIGINAL DESIGN TO THE EOR FOR REVIEW AND APPROVAL.					
х	FABRICATION INSPECTION	A LETTER FROM THE FABRICATOR, STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH INDUSTRY STANDARDS AND THE CONTRACT DOCUMENTS, SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.					
Х	FABRICATOR CERTIFIED WELD INSPECTION	A CWI SHALL INSPECT ALL WELDING PERFORMED ON STRUCTURAL MEMBERS DURING FABRICATION. A WRITTEN REPORT SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.					
Х	MATERIAL TEST REPORTS (MTR)	MATERIAL TEST REPORTS SHALL BE PROVIDED FOR MATERIAL USED. MTRS SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.					
Х	FABRICATOR NDE INSPECTION REPORT	CRITICAL SHOP WELDS THAT REQUIRE TESTING ARE NOTED ON THESE CONTRACT DRAWINGS. A CERTIFIED NDT INSPECTOR SHALL PERFORM NON-DESTRUCTIVE EXAMINATION AND A REPORT SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.					
NA	NDE OF MONOPOLE BASE PLATE	A NDE OF THE POLE TO BASE PLATE CONNECTION IS REQUIRED AND A WRITTEN REPORT SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.					
Х	PACKING SLIPS	PACKING/SHIPPING LIST FOR ALL MATERIAL USED DURING CONSTRUCTION OF THE MODIFICATION					
ADDITIONAL	TESTING AND INSPECTIONS:						
NA							
		CONSTRUCTION					
х	FOUNDATION INSPECTIONS	A VISUAL OBSERVATION OF THE EXCAVATION AND REBAR SHALL BE PERFORMED BEFORE PLACING THE CONCRETE. A VISUAL OBSERVATION OF THE REBAR SHALL BE PERFORMED BEFORE PLACING THE EPOXY. A SEALED WRITTEN REPORT SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.					
NA	CONCRETE COMP. STRENGTH AND SLUMP TEST	THE CONCRETE MIX DESIGN, SLUMP TEST, AND COMPRESSIVE STRENGTH TESTS SHALL BE PROVIDED AS PART OF THE FOUNDATION REPORT.					
NA	EARTHWORK: SOIL COMPACTION	FOUNDATION SOIL COMPACTION SHALL BE INSPECTED AND APPROVED BY AN APPROVED FOUNDATION INSPECTOR AND RESULTS INCLUDED AS PART OF THE FOUNDATION REPORT.					
NA	EARTHWORK: BEARING CAPACITY	FOUNDATION SUB-GRADES SHALL BE INSPECTED AND APPROVED BY AN APPROVED FOUNDATION INSPECTOR AND RESULTS INCLUDED AS PART OF THE FOUNDATION REPORT.					
х	MICROPILE/ROCK ANCHOR	MICROPILES/ROCK ANCHORS SHALL BE INSPECTED BY THE FOUNDATION INSPECTION VENDOR AND SHALL BE INCLUDED AS PART OF THE FOUNDATION INSPECTION REPORT, ADDITIONAL TESTING AND/OR INSPECTION REQUIREMENTS ARE NOTED IN THESE CONTRACT DOCUMENTS.					
NA	POST-INSTALLED ANCHOR ROD VERIFICATION	POST INSTALLED ANCHOR ROD VERIFICATION SHALL BE PERFORMED AND A REPORT SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT.					
NA	BASE PLATE GROUT VERIFICATION	THE GENERAL CONTRACTOR SHALL PROVIDE DOCUMENTATION TO THE MI INSPECTOR THAT CERTIFIES THAT THE GROUT WAS REMOVED AND/OR INSTALLED IN ACCORDANCE WITH CONTRACTOR DOCUMENTS FOR INCLUSION IN THE MI REPORT.					
х	FIELD CERTIFIED WELD INSPECTION	AN AWS CERTIFIED WELD INSPECTOR SHALL INSPECT AND TEST FIELD WELDS, IN ACCORDANCE WITH AWS D1.1/D1.1M: "STRUCTURAL WELDING CODE - STE A REPORT SHALL BE PROVIDED. NDE OF FIELD WELDS SHALL BE PERFORMED AS REQUIRED PER CONTRACT DOCUMENTS. THE NDE REPORT SHALL BE INCLUDED IN THE CWI REPORT.					
Х	X FIELD NDE A NDE OF THE FIELD WELDS IN ACCORDANCE WITH AWS D1.1 AND ANY ADDITIONAL NDE REQUIREMENTS NOTED IN THESE DESIGN						
Х	ON-SITE COLD GALVANIZING VERIFICATION	THE GENERAL CONTRACTOR SHALL PROVIDE WRITTEN AND PHOTOGRAPHIC DOCUMENTATION TO THE MI INSPECTOR VERIFYING THAT ANY ON-SITE COLD GALVANIZING WAS APPLIED PER MANUFACTURER SPECIFICATIONS AND APPLICABLE STANDARDS.					
NA	TENSION TWIST AND PLUMB	THE GENERAL CONTRACTOR SHALL PROVIDE A REPORT IN ACCORDANCE WITH APPLICABLE STANDARDS DOCUMENTING TENSION TWIST AND PLUMB.					
NA	CANISTER DRAWINGS	THE CONTRACTOR SHALL SUBMIT A LEGIBLE COPY OF ANY FINAL FABRICATION OR PARTS DRAWINGS PROVIDED BY THE CANISTER VENDOR					
х	GC AS-BUILT DRAWINGS	THE GENERAL CONTRACTOR SHALL SUBMIT A LEGIBLE COPY OF THE ORIGINAL DESIGN DRAWINGS EITHER STATING "INSTALLED AS DESIGNED" OR NOTING ANY CHANGES THAT WERE REQUIRED AND APPROVED BY THE ENGINEER OF RECORD. EOR/RFI FORMS APPROVING ALL CHANGES SHALL BE SUBMITTED					
ADDITIONAL	TESTING AND INSPECTIONS:						
NA							
		POST-CONSTRUCTION					
х	CONSTRUCTION COMPLIANCE LETTER	A LETTER FROM THE GENERAL CONTRACTOR STATING THAT THE WORKMANSHIP WAS PERFORMED IN ACCORDANCE WITH INDUSTRY STANDARDS AND THESE CONTRACT DRAWINGS					
NA	POST-INSTALLED ANCHOR ROD PULL TESTS	POST-INSTALLED ANCHOR RODS SHALL BE TESTED BY A PULL TEST INSPECTOR AND A REPORT SHALL BE PROVIDED INDICATING TESTING RESULTS.					
Х	PHOTOGRAPHS	PHOTOGRAPHS SHALL BE SUBMITTED TO THE MI. PHOTOS SHALL DOCUMENT ALL PHASES OF THE CONSTRUCTION. THE PHOTOS SHALL BE ORGANIZED IN A MANNER THAT EASILY IDENTIFIES THE EXACT LOCATION OF THE PHOTO.					
NA	BOLT HOLE INSTALLATION VERIFICATION REPORT	THE MI INSPECTOR SHALL VERIFY THE HOLE SIZE AND CONDITION OF 10% OF ALL NON PRE-TENSIONED BOLTS INSTALLED AS PART OF THE MODIFICATION. THE MI REPORT SHALL CONTAIN THE COMPLETED BOLT INSTALLATION VERIFICATION REPORT, INCLUDING THE SUPPORTING PHOTOGRAPHS.					
Х	PUNCH LIST DEVELOPMENT AND CORRECTION DOCUMENTATION	FINAL PUNCH LIST INDICATING ALL NONCONFORMANCE(S) IDENTIFIED AND THE FINAL RESOLUTION/APPROVAL.					
х	MI INSPECTOR RECORD DRAWING(S)	THE MI INSPECTOR SHALL OBSERVE AND REPORT ANY DISCREPANCIES BETWEEN THE CONTRACTOR'S REDLINE DRAWING AND THE ACTUAL COMPLETED INSTALLATION.					
ADDITIONAL	TESTING AND INSPECTIONS:						
NA							
THE MI CHEC	CKLIST SHALL BE REVIEWED PRIOR TO THE START OF CONSTRUCT	TION. ALL PARTIES TO THE MODIFICATION SHALL UNDERSTAND INSPECTION/DOCUMENTATION THAT IS APPLICABLE TO THE SCOPE OF WORK THEY ARE					

THE MI CHECKLIST SHALL BE REVIEWED PRIOR TO THE START OF CONSTRUCTION. ALL PARTIES TO THE MODIFICATION SHALL UNDERSTAND INSPECTION/DOCUMENTATION THAT IS APPLICABLE TO THE SCOPE OF WORK THEY ARE PERFORMING. ERRORS ON THE MI CHECKLIST SHALL BE BROUGHT TO THE ATTENTION OF THE TOWER OWNER POINT OF CONTACT AND EOR AS SOON AS POSSIBLE.

MODIFICATION INSPECTION NOTES:

GENERAL

CONTRACTOR (GC), AS WELL AS ANY INSPECTION DOCUMENTS PROVIDED BY 3RD PARTY INSPECTORS. THE MI IS TO ENSURE THE INSTALLATION WAS CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, NAMELY THE MODIFICATION DRAWING AS DESIGNED BY THE ENGINEER OF RECORD

MODIFICATION INSPECTION.

THE MI IS TO CONFIRM INSTALLATION CONFIGURATION AND WORKMANSHIP ONLY AND IS NOT A REVIEW OF THE MODIFICATION DESIGN ITSELF, AND THE MI INSPECTOR DOES NOT TAKE OWNERSHIP OF THE MODIFICATION DESIGN. OWNERSHIP OF THE STRUCTURAL MODIFICATION DESIGN EFFECTIVENESS AND INTEGRITY RESIDES WITH THE EOR AT ALL TIMES. THE MI INSPECTOR SHALL

SERVICE LEVEL COMMITMENT

THE FOLLOWING RECOMMENDATIONS AND SUGGESTIONS ARE OFFERED TO ENHANCE THE EFFICIENCY AND EFFECTIVENESS OF DELIVERING AN MI REPORT:

- THE GC SHALL PROVIDE A MINIMUM OF 5 BUSINESS DAYS NOTICE, PREFERABLY 10, TO THE MI INSPECTOR AS TO WHEN THE SITE WILL BE READY FOR THE MI
- TO BE CONDUCTED.

 THE GC AND MI INSPECTOR COORDINATE CLOSELY THROUGHOUT THE ENTIRE PROJECT.

 WHEN POSSIBLE, IT IS PREFERRED TO HAVE THE GC AND MI INSPECTOR ON-SITE

REQUIRED PHOTOS

MODIFICATION

X DENOTES A DOCUMENT NEEDED FOR THE PMI REPORT
NA DENOTES A DOCUMENT THAT IS NOT REQUIRED FOR THE PMI REPORT

THE MI IS AN ON-SITE VISUAL AND HANDS-ON INSPECTION OF TOWER MODIFICATIONS INCLUDING A REVIEW OF CONSTRUCTION REPORTS AND ADDITIONAL PERTINENT DOCUMENTATION PROVIDED BY THE GENERAL

NO DOCUMENT, CODE OR POLICY CAN ANTICIPATE EVERY SITUATION THAT MAY ARISE. ACCORDINGLY, THIS CHECKLIST IS INTENDED TO SERVE AS A SOURCE OF GUIDING PRINCIPLES IN ESTABLISHING GUIDELINES FOR

INSPECT AND NOTE CONFORMANCE/NONCONFORMANCE AND PROVIDE TO THE TOWER OWNER POINT OF CONTACT FOR EVALUATION.

TO ENSURE THAT THE REQUIREMENTS OF THE MI ARE MET, IT IS VITAL THAT THE GENERAL CONTRACTOR (GC) AND THE MI INSPECTOR BEGIN COMMUNICATING AND COORDINATING AS SOON AS A PURCHASE ORDER (PO) IS RECEIVED. IT IS EXPECTED THAT EACH PARTY WILL BE PROACTIVE IN REACHING OUT TO THE OTHER PARTY. IF CONTACT INFORMATION IS NOT KNOWN THE GC AND/OR INSPECTOR SHALL CONTACT THE TOWER OWNER POINT OF CONTACT.

- DURING THE MI TO HAVE ANY MINOR DEFICIENCIES CORRECTED DURING THE INITIAL MI. THEREFORE, THE GC MAY CHOOSE TO COORDINATE THE MI CAREFULLY TO ENSURE ALL CONSTRUCTION FACILITIES ARE AT THEIR DISPOSAL WHEN THE MI INSPECTOR IS ON SITE.

BETWEEN THE GC AND THE MI INSPECTOR THE FOLLOWING PHOTOGRAPHS, AT A MINIMUM, ARE TO BE TAKEN AND INCLUDED IN THE MI REPORT:

PRE-CONSTRUCTION GENERAL SITE CONDITION
PHOTOGRAPHS DURING THE REINFORCEMENT
CONSTRUCTION/ERECTION AND INSPECTION
• RAW MATERIALS
• PHOTOS OF ALL CRITICAL DETAILS
• FOUNDATION MODIFICATIONS

WELD PREPARATION
 BOLT INSTALLATION
 FINAL INSTALLED CONDITION
 SURFACE COATING REPAIR
 POST CONSTRUCTION PHOTOGRAPHS

FINAL INFIELD CONDITION

PHOTOS OF ELEVATED MODIFICATIONS TAKEN ONLY FROM THE GROUND SHALL BE CONSIDERED INADEQUATE.

PLANS PREPARED FOR: **PHOENIX TOWER**

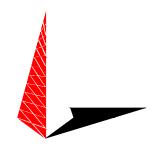
INTERNATIONAL 999 YAMATO ROAD, SUITE 100 BOCA RATON, FL 33431 OFFICE: (503) 593-0282

PROJECT INFORMATION:

PIONEER SITE #: US-CA-1322

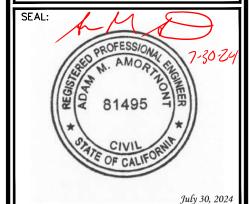
2470 PIONEER AVE A FULLERTON, CA 92832 (ORANGE COUNTY)

PLANS PREPARED BY:



TOWER ENGINEERING PROFESSIONALS

326 TRYON ROAD RALEIGH, NC 27603 OFFICE: (919) 661-6351 www.tepgroup.net



07-30-24 MODIFICATION DRAWINGS REV DATE ISSUED FOR:

DRAWN BY: JLW | CHECKED BY:

SHEET TITLE:

MI CHECKLIST **AND NOTES**

SHEET NUMBER:

N-'

REVISION:

TEP#: 72879.98028

GENERAL NOTES:

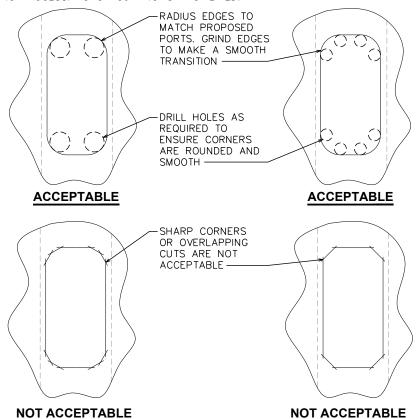
- 1. ALL REFERENCES TO THE OWNER IN THESE DOCUMENTS SHALL BE CONSIDERED PHOENIX TOWER INTERNATIONAL OR ITS DESIGNATED REPRESENTATIVE.
- 2. ALL WORK PRESENTED ON THESE DESIGN DRAWINGS MUST BE COMPLETED BY THE GENERAL CONTRACTOR (GC) UNLESS NOTED OTHERWISE. THE GC MUST HAVE CONSIDERABLE EXPERIENCE IN PERFORMANCE OF WORK SIMILAR TO THAT DESCRIBED HEREIN. BY ACCEPTANCE OF THIS ASSIGNMENT, THE GC IS ATTESTING THAT HE DOES HAVE SUFFICIENT EXPERIENCE AND ABILITY, THAT HE IS KNOWLEDGEABLE OF THE WORK TO BE PERFORMED AND THAT HE IS PROPERLY LICENSED AND PROPERLY REGISTERED TO DO THIS WORK IN THE STATE OF CALIFORNIA.
- 3. WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE 2022 CALIFORNIA BUILDING CODE.
- 4. UNLESS SHOWN OR NOTED OTHERWISE ON THE DESIGN DRAWINGS, OR IN THE SPECIFICATIONS, THE FOLLOWING NOTES SHALL APPLY TO THE MATERIALS LISTED HEREIN, AND TO THE PROCEDURES TO BE USED ON THIS PROJECT.
- 5. ALL HARDWARE ASSEMBLY MANUFACTURER'S INSTRUCTIONS SHALL BE FOLLOWED EXACTLY AND SHALL SUPERSEDE ANY CONFLICTING NOTES ENCLOSED HEREIN.
- 6. ALL MATERIALS AND EQUIPMENT FURNISHED SHALL BE NEW AND OF GOOD QUALITY, FREE FROM FAULTS AND DEFECTS AND IN CONFORMANCE WITH THE DESIGN DRAWINGS. ANY AND ALL SUBSTITUTIONS MUST BE PROPERLY APPROVED AND AUTHORIZED IN WRITING BY THE OWNER AND ENGINEER OF RECORD (EOR) PRIOR TO INSTALLATION. THE GC SHALL FURNISH SATISFACTORY EVIDENCE AS TO THE KIND AND QUALITY OF THE MATERIALS AND EQUIPMENT BEING SUBSTITUTED.
- 7. THE GC SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE GC IS RESPONSIBLE FOR ENSURING THAT THIS PROJECT AND RELATED WORK COMPLIES WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL SAFETY CODES AND REGULATIONS GOVERNING THIS WORK.
- 8. ACCESS TO THE PROPOSED WORK SITE MAY BE RESTRICTED. THE GC SHALL COORDINATE INTENDED CONSTRUCTION ACTIVITY, INCLUDING WORK SCHEDULE AND MATERIALS ACCESS, WITH THE RESIDENT LEASING AGENT FOR APPROVAL.
- 9. ALL PERMITS THAT MUST BE OBTAINED ARE THE RESPONSIBILITY OF THE GC. THE GC WILL BE RESPONSIBLE FOR ABIDING BY ALL CONDITIONS AND REQUIREMENTS OF THE PERMITS.
- 10. IF APPLICABLE, ALL CONCRETE WORK SHALL COMPLY TO LOCAL CODES AND THE ACI 318-19, "BUILDING REQUIREMENTS FOR STRUCTURAL CONCRETE".
- 11. 24 HOURS PRIOR TO THE BEGINNING OF ANY CONSTRUCTION, THE GC MUST NOTIFY THE APPLICABLE JURISDICTIONAL (STATE, COUNTY OR CITY) ENGINEER.
- 12. ALL MATERIALS AND WORKMANSHIP SHALL BE WARRANTED FOR ONE YEAR FROM ACCEPTANCE DATE.
- 13. ALL DIMENSIONS SHALL BE VERIFIED WITH THE DESIGN DRAWINGS (LATEST REVISION) PRIOR TO COMMENCING CONSTRUCTION. NOTIFY THE EOR IMMEDIATELY IF ANY DISCREPANCIES ARE DISCOVERED. THE OWNER SHALL HAVE A SET OF APPROVED DESIGN DRAWINGS AVAILABLE AT THE SITE AT ALL TIMES WHILE WORK IS BEING PERFORMED. A DESIGNATED RESPONSIBLE EMPLOYEE SHALL BE AVAILABLE FOR CONTACT BY GOVERNING AGENCY INSPECTORS.
- 14. THE CLIMBING FACILITIES, SAFETY CLIMB AND ALL PARTS THEREOF SHALL NOT BE IMPEDED, MODIFIED, OR ALTERED WITHOUT THE EXPRESS WRITTEN APPROVAL OF THE OWNER AND EOR. ALL ALTERATIONS TO A SAFETY CLIMB'S ORIGINAL MANUFACTURER'S CONFIGURATION MUST BE DESIGNED BY THE EOR. IF THE GC FINDS THAT THE CLIMBING FACILITIES ARE IMPEDED, EITHER DURING BIDDING, DURING PRE-FABRICATION MAPPING, OR WHILE ON-SITE, THE GC SHALL CONTACT THE OWNER AND EOR TO DETERMINE A METHOD OF RESOLUTION.
- 15. ANY WORK PERFORMED WITHOUT A PREFABRICATION MAPPING IS DONE AT THE RISK OF THE GC AND/OR FABRICATOR.
- 16. IF DURING THE COURSE OF A FOUNDATION MODIFICATION, THE GC ENCOUNTERS EXISTING CONDUIT LOCATED WITHIN THE CONFINES OF THE EXISTING OR PROPOSED FOUNDATION CONCRETE, AND THIS CONDUIT IS NOT IN A LOCATION THAT IS SPECIFIED WITHIN THESE DESIGN DRAWINGS, THE GC SHALL IMMEDIATELY CONTACT THE EOR FOR GUIDANCE BEFORE PROCEEDING WITH THE INSTALLATION OF THE PROPOSED FOUNDATION MODIFICATION S. IF CONDUIT IS TO BE INSTALLED THROUGH THE EXISTING FOUNDATION OR PROPOSED FOUNDATION MODIFICATION AND HASN'T BEEN SPECIFIED WITHIN THESE DESIGN DRAWINGS THEN THE GC SHALL IMMEDIATELY CONTACT THE EOR FOR GUIDANCE PRIOR TO PROCEEDING WITH THE INSTALLATION OF THE PROPOSED FOUNDATION MODIFICATIONS.

ATTENTION

ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GC RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN AND SHALL MEET ANSI/ASSE A10.48 (LATEST EDITION), FEDERAL, STATE, AND LOCAL REGULATIONS; AND ANY APPLICABLE INDUSTRY CONSENSUS STANDARDS RELATED TO THE CONSTRUCTION ACTIVITIES BEING PERFORMED. ALL RIGGING PLANS SHALL ADHERE TO ANSI/ASSE A10.48 (LATEST EDITION) INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION TO CERTIFY THE SUPPORTING STRUCTURE(S) IN ACCORDANCE WITH THE ANSI/TIA-322 (LATEST EDITION).

GUIDELINES FOR PORT HOLE CUTTING:

- PORT HOLES SHALL BE CUT RADIALLY TO MATCH THE PROFILE OF THE PORT. THE USE OF DRILL HOLES
 AT THE CORNERS OF THE HOLES ARE RECOMMENDED TO ENSURE CORNERS ARE SMOOTH AND ROUNDED.
 OVERCUT HOLES CAUSING STRESS RISERS IN THE EXISTING TOWER SHAFT ARE NOT ACCEPTABLE. SEE
 BELOW FOR ACCEPTABLE METHODS OF CUTTING.
- 2. CONTRACTOR SHALL TAKE NECESSARY STEPS TO ENSURE EXISTING COAX ARE NOT DAMAGED DURING THE HOLE CUTTING PROCESS. TORCH CUTTING IS PROHIBITED.

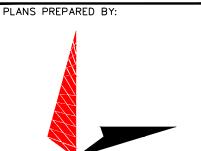




PROJECT INFORMATION:

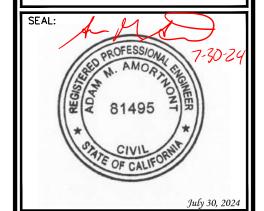
PIONEER SITE #: US-CA-1322

2470 PIONEER AVE A FULLERTON, CA 92832 (ORANGE COUNTY)



TOWER ENGINEERING PROFESSIONALS

326 TRYON ROAD RALEIGH, NC 27603 OFFICE: (919) 661-6351 www.tepgroup.net



O 07-30-24 MODIFICATION DRAWINGS
REV DATE ISSUED FOR:

DRAWN BY: JLW | CHECKED BY: TI

SHEET TITLE:

PROJECT NOTES I

SHEET NUMBER:

N-2

0

REVISION:

TEP#: 72879.980281

STRUCTURAL STEEL NOTES:

- THE FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE AISC STEEL CONSTRUCTION MANUAL, LOAD AND RESISTANCE FACTOR DESIGN (LRFD), 15TH EDITION.
- 2. UNLESS OTHERWISE NOTED, ALL STRUCTURAL ELEMENTS SHALL CONFORM TO THE FOLLOWING REQUIREMENTS: STRUCTURAL STEEL:
 - ANGLE: ASTM A36
 - PIPE/TUBE: ASTM A500-46
 - PLATE: ASTM A36 (SELF SUPPORTING AND GUYED TOWERS)
 - PLATE: ASTM A572-65 (MONOPOLE)
 - ALL BOLTS, ASTM A325 TYPÈ I GALVANIZED HIGH STRENGTH BOLTS.
 - ALL U-BOLTS, ASTM A193 GRADE B7
 - ALL NUTS, ASTM A563 CARBON AND ALLOY STEEL NUTS.
 - ALL WASHERS, ASTM F436 HARDENED STEEL WASHERS.
- 3. ALL CONNECTIONS NOT FULLY DETAILED ON THESE PLANS SHALL BE DETAILED BY THE STEEL FABRICATOR IN ACCORDANCE WITH AISC STEEL CONSTRUCTION MANUAL, LRFD, 15TH EDITION.
- 4. HOLES SHALL NOT BE FLAME CUT THROUGH STEEL UNLESS APPROVED BY THE ENGINEER.
- 5. HOT-DIP GALVANIZE ALL ITEMS UNLESS OTHERWISE NOTED, AFTER FABRICATION WHERE PRACTICABLE. GALVANIZING: ASTM A123, ASTM, A153/A153M OR ASTM A653/A653M, G90, AS APPLICABLE. ADDITIONALLY, ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING STEEL. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
- 6. REPAIR DAMAGED SURFACES WITH GALVANIZING REPAIR METHOD AND PAINT CONFORMING TO ASTM A780 OR BY APPLICATION OF STICK OR THICK PASTED MATERIAL SPECIFICALLY DESIGNED FOR REPAIR OF GALVANIZING. CLEAN AREAS TO BE REPAIRED AND REMOVE SLAG FROM WELDS. HEAT SURFACES TO WHICH STICK OR PASTE MATERIAL IS APPLIED, WITH A TORCH TO A TEMPERATURE SUFFICIENT TO MELT THE METALLICS IN STICK OR PASTED; SPREAD MOLTEN MATERIAL UNIFORMLY OVER SURFACES TO BE COATED AND WIPE OFF EXCESS MATERIAL. AFTER REPAIR, STEEL SHALL BE REPAINTED TO MATCH EXISTING FINISH (IF APPLICABLE).
- 7. A NUT LOCKING DEVICE SHALL BE INSTALLED ON ALL PROPOSED AND/OR REPLACED BOLTS.
- 8. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH TO EXCLUDE THE THREADS FROM THE SHEAR PLANE.
- 9. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT BE AT LEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.
- 10. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.

WELDING NOTES:

- ALL WELDING SHALL BE IN ACCORDANCE WITH THE AWS D1.1/D1.1M: 2015 "STRUCTURAL WELDING CODE-STEEL"
- 2. ALL WELDING SHALL BE PERFORMED BY AWS CERTIFIED WELDERS.
- CONTRACTOR SHALL RETAIN AN AWS CERTIFIED WELD INSPECTOR TO PERFORM VISUAL INSPECTIONS ON FIELD WELDS, A LETTER AND REPORT SHALL BE ISSUED TO THE CONTRACTOR, CONTRACTOR SHALL SUBMIT LETTER AND REPORT TO TOWER ENGINEERING PROFESSIONALS.
- GRIND THE SURFACE ADJACENT TO THE WELD FOR A DISTANCE OF 2" MINIMUM ALL AROUND. GRIND THE SURFACE OF THE ROD TO BE INSTALLED FOR A DISTANCE OF 2" MINIMUM ALL AROUND THE AREA TO BE WELDED. ENSURE BOTH AREAS ARE 100% FREE OF ALL GALVANIZING. SURFACES TO BE WELDED SHALL BE FREE FROM SCALE, SLAG, RUST, MOISTURE, GREASE OR ANY OTHER FOREIGN MATERIAL THAT WOULD PREVENT PROPER WELDING.
- 5. DO NOT WELD IF THE TEMPERATURE OF THE STEEL IN THE VICINITY OF THE WELD AREA IS BELOW O DEGREES (FAHRENHEIT). THE MINIMUM PREHEAT AND INTERPASS TEMPERATURE REQUIREMENTS SHALL COMPLY WITH SECTION 3.5.1 AND TABLE 3.2 OF THE AWS D1.1/D1.1M: 2015.
- 6. DO NOT WELD ON WET OR FROST-COVERED SURFACES AND PROVIDE ADEQUATE PROTECTION FROM HIGH
- 7. FOR ALL WELDING, USE 80 KSI LOW HYDROGEN ELECTRODES. ELECTRODES SHALL BE APPROPRIATE FOR THE WELDING POSITION REQUIRED TO MAKE THE JOINT.
- AFTER FINAL INSPECTION, THE AREA OF THE WELDS, THE INSTALLATION AND ALL SURFACES DAMAGED BY WELDING OR GRINDING SHALL RECEIVE A COLD-GALVANIZED COATING. THIS COATING SHALL BE APPLIED BY BRUSH. THE GALVANIZING COMPOUND SHALL CONTAIN A MINIMUM OF 95% +/- PURE ZINC. THE FINISHED COATING SHALL BE A MINIMUM THICKNESS OF 3 MILS.
- 9. PROVIDE WELDS ALL AROUND OR ADD SEAL WELDS WHERE STRUCTURAL WELDS ARE NOT SPECIFIED.

BOLT TIGHTENING PROCEDURE:

- UNLESS OTHERWISE NOTED, ALL BOLTED CONNECTIONS SHALL BE BROUGHT TO A SNUG TIGHT CONDITION AS DEFINED IN SECTION 8.1 OF THE AISC SPECIFICATION FOR STRUCTURAL JOINTS USING A325 OR A490 BOLTS, LOCATED IN THE AISC MANUAL OF STEEL CONSTRUCTION. ALL SNUG TIGHT BOLTS SHALL BE INSTALLED WITH A NUT-LOCKING DEVICE OR MECHANISM SUCH AS, BUT NOT LIMITIED TO, LOCK NUTS, LOCK WASHERS, OR PALNUTS, TO PREVENT LOOSENING.
- WHEN SPECIFIED IN THE DRAWINGS. CONNECTION BOLTS SHALL BE INSTALLED AND TIGHTENED AS PER SECTION 8.2.1 OF THE AISC SPECIFICATION FOR STRUCTURAL JOINTS USING A325 OR A490 BOLTS, LOCATED IN THE AISC MANUAL OF STEEL CONSTRUCTION. THE INSTALLATION PROCEDURE IS PARAPHRASED AS

8.2.1 TURN-OF-THE-NUT TIGHTENING

BOLTS SHALL BE INSTALLED IN ALL HOLES OF THE CONNECTION AND BROUGHT TO A SNUG TIGHT CONDITION AS DEFINED IN SECTION 8.1, UNTIL ALL THE BOLTS ARE SIMULTANEOUSLY SNUG TIGHT AND THE CONNECTION IS FULLY COMPACTED. FOLLOWING THIS INITIAL OPERATION ALL BOLTS IN THE CONNECTION SHALL BE TIGHTENED FURTHER BY THE APPLICABLE AMOUNT OF ROTATION SPECIFIED BELOW. DURING THE TIGHTENING OPERATION THERE SHALL BE NO ROTATION OF THE PART NOT TURNED BY THE WRENCH. TIGHTENING SHALL PROGRESS SYSTEMATICALLY FROM THE MOST RIGID PART OF THE JOINT IN A MANNER THAT WILL MINIMIZE RELAXATION OF PREVIOUSLY PRETENSIONED BOLTS.

PRE-TENSIONED BOLTS AS SPECIFIED ON THE DRAWINGS SHALL BE TIGHTENED IN ACCORDANCE WITH AISC -"TURN OF THE NUT" METHOD, USING THE CHART BELOW.

BOLT LENGTHS UP TO AND INCLUDING FOUR DIA.

½"	BOLTS UP TO	AND	INCLUDING	2.0	INCH	LENGTH	+1/3	TURN	BEYOND	SNUG	TIGHT
½" %"	BOLTS UP TO	AND	INCLUDING	2.5	INCH	LENGTH	+1/3	TURN	BEYOND	SNUG	TIGHT
3/4"	BOLTS UP TO	AND	INCLUDING	3.0	INCH	LENGTH	+1/3	TURN	BEYOND	SNUG	TIGHT
%"	BOLTS UP TO	AND	INCLUDING	3.5	INCH	LENGTH	+1/3	TURN	BEYOND	SNUG	TIGHT
1"	BOLTS UP TO	AND	INCLUDING	4.0	INCH	LENGTH	+ 1/3	TURN	BEYOND	SNUG	TIGHT

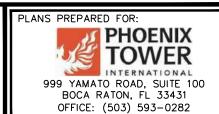
BOLT LENGTHS OVER FOUR DIA BUT NOT EXCEEDING FIGHT DIA

	ELITOTITO GYERT GOR BIA: BOT NOT EXCEED	ING EIGHT BIA.
1/2"	BOLTS 2.25 TO 4.0 INCH LENGTH	+½ TURN BEYOND SNUG TIGHT
5∕8"	BOLTS 2.75 TO 5.0 INCH LENGTH	$+lac{1}{2}$ TURN BEYOND SNUG TIGHT
3/4"	BOLTS 3.25 TO 6.0 INCH LENGTH	$+lac{1}{2}$ TURN BEYOND SNUG TIGHT
%"	BOLTS 3.75 TO 7.0 INCH LENGTH	+½ TURN BEYOND SNUG TIGHT
1"	BOLTS 4.25 TO 8.0 INCH LENGTH	+½ TURN BEYOND SNUG TIGHT

4. ALL ONE-SIDED BOLTS SHALL BE TIGHTENED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.

FIELD NDE MINIMUM REQUIREMENTS:

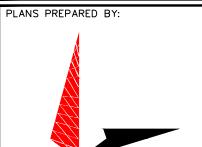
- ALL NDE SHALL BE IN ACCORDANCE WITH AWS D1.1.
- 2. FOR NEW BASE STIFFENERS (INCLUSIVE OF TRANSITION STIFFENERS) AND ANCHOR ROD BRACKETS, COMPLETE JOINT PENETRATION WELDS SHALL BE 100% INSPECTED BY ULTRASONIC TESTING (UT). ALL PARTIAL JOINT PENETRATION AND FILLET WELDS SHALL BE 100% INSPECTED BY MAGNETIC PARTICLE TESTING
- FOR NEW FLAT PLATE REINFORCEMENT AT THE BASE OF THE TOWER, COMPLETE JOINT PENETRATION WELDS SHALL BE 100% INSPECTED BY ULTRASONIC TESTING (UT). ALL PARTIAL JOINT PENETRATION AND FILLET WELDS SHALL BE 100% INSPECTED BY MAGNETIC PARTICLE TESTING (MT), BUT MAY BE LIMITED TO A HEIGHT OF 10'-0''.
- 4. FOR NDE OF THE EXISTING BASE PLATE CIRCUMFERENTIAL WELD, GC SHALL REFERENCE THE MI CHECKLIST FOR APPLICABILITY, NOTIFY THE EOR AND TOWER OWNER IMMEDIATELY IF ANY CRACKS ARE SUSPECTED OR HAVE BEEN IDENTIFIED. THE NDE SHALL INCLUDE ALL EXISTING MODIFICATIONS THAT HAVE BEEN WELDED TO THE BASE PLATE.
- 5. ALL TESTING LIMITATIONS SHALL BE DETAILED IN THE NDE REPORT.



PROJECT INFORMATION:

PIONEER SITE #: US-CA-1322

2470 PIONEER AVE A FULLERTON, CA 92832 (ORANGE COUNTY)



TOWER ENGINEERING PROFESSIONALS

326 TRYON ROAD RALEIGH, NC 27603 OFFICE: (919) 661-6351 www.tepgroup.net



0	07-30-24	MODIFICATION DRAWINGS
REV	DATE	ISSUED FOR:

JLW | CHECKED BY: DRAWN BY:

SHEET TITLE:

PROJECT NOTES II

REVISION:

SHEET NUMBER:

TEP#: 72879.98028

NOTES:

- 1. ALL SHOP AND FIELD DRILLED HOLES SHALL BE NOMINAL 30MM DIAMETER. THE MAXIMUM HOLE DIAMETER PERMITTED IS $1\frac{3}{16}$ ".
- 2. THE NEXGEN2™ SHALL BE MAGNI 565 COATED PER ASTM F2833 AS APPROPRIATE.
- 3. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
- 4. SHIMS FOR MONOPOLE REINFORCEMENT MEMBER SHALL BE REQUIRED WHERE GAPS BETWEEN THE POLE SHAFT AND REINFORCING MEMBER EXIST AT FASTENER LOCATIONS. FOR INTERMEDIATE CONNECTIONS, THE MINIMUM SHIM LENGTH AND WIDTH SHALL BE THE WIDTH OF THE REINFORCING MEMBER. FOR TERMINATION CONNECTIONS, A CONTINUOUS SHIM PLATE (PREFERRED) OR EQUIVALENT INDIVIDUAL SHIM PLATES THE WIDTH OF THE REINFORCING MEMBER MAY BE USED. ADJACENT SHIM PLATE THICKNESSES MAY TAPER IN INCREMENTS OF \$\frac{1}{16}\$" AND SHALL BE NO LESS THAN \$\frac{1}{6}\$". STACKING OF SHIMS IS PERMITTED. SHIMS GREATER THAN \$\frac{1}{4}\$" IN THICKNESS LOCATED WITHIN THE TERMINATION LENGTH OF THE SHAFT REINFORCEMENT PLATE SHALL BE WELDED TO THE SHAFT REINFORCEMENT PLATE. TIGHTENING THE BOLTS TO COLD BEND THE STEEL PLATES AROUND THE SHIMS IS STRICTLY PROHIBITED IN LIEU OF SHIMS AND WILL BE CAUSE FOR REJECTION

INSPECTION NOTES AND PROCEDURES:

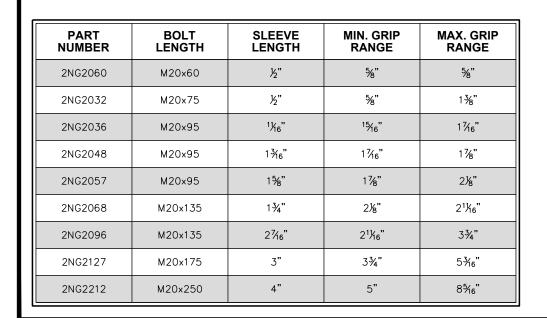
- REVIEW STRUCTURAL DESIGN DRAWINGS.
- 2. VISUALLY INSPECT SHEARED BOLT ENDS TO ENSURE CORRECT TENSION WAS ACHIEVED.
- 3. VERIFY BOLT ENDS ARE SUFFICIENTLY COATED WITH AN APPROVED COLD GALVANIZING COMPOUND.

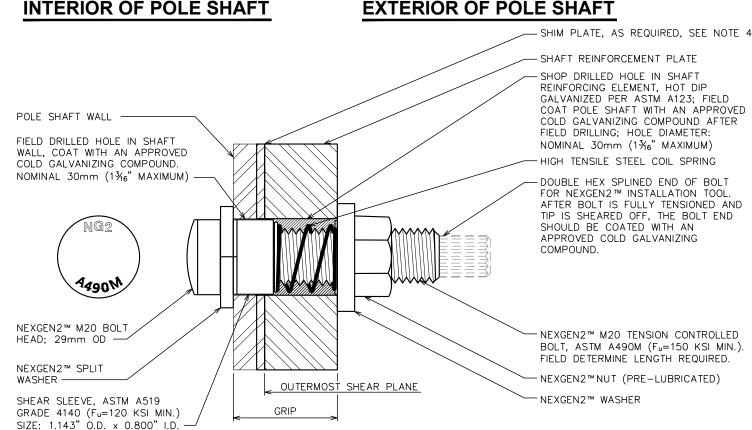
MANUFACTURER CONTACT:

ALLFASTENERS

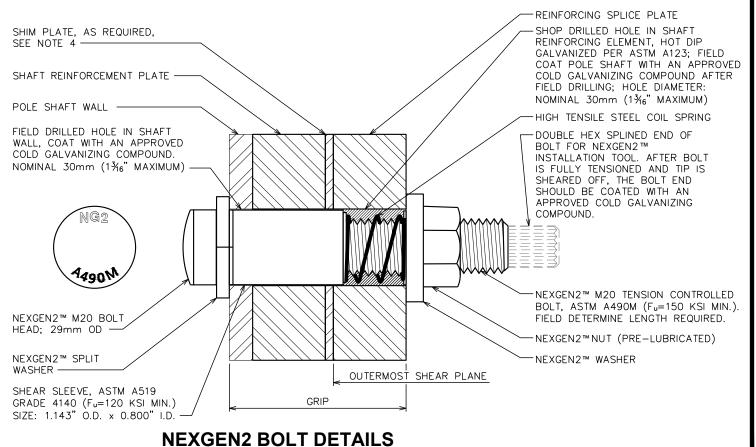
-959 LAKE ROAD, MEDINA, OHIO, USA 44256 -PHONE: 440-232-6060 | FAX: 440-232-6062

-WEBSITE: WWW.ALLFASTENERS.COM | WWW.AFTOWER.COM





NEXGEN2 BOLT DETAILS





BOCA RATON, FL 33431 OFFICE: (503) 593-0282

PROJECT INFORMATION:

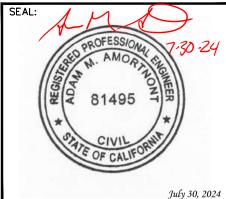
PIONEER SITE #: US-CA-1322

2470 PIONEER AVE A FULLERTON, CA 92832 (ORANGE COUNTY)



TOWER ENGINEERING PROFESSIONALS

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O 07-30-24 MODIFICATION DRAWINGS
REV DATE ISSUED FOR:

DRAWN BY: JLW CHECKED BY: TLI

SHEET TITLE:

NEXGEN2 INSTALLATION DETAILS

SHEET NUMBER:

N-4

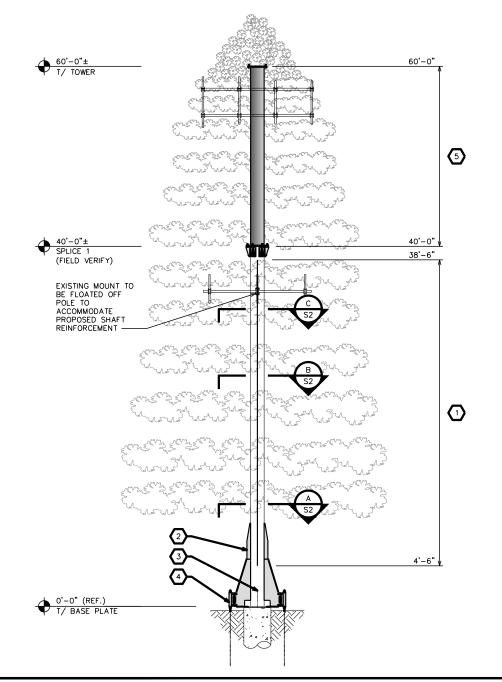
REVISION:

MANUFACTURER POLE SPECIFICATIONS TAPER BASE PLATE STEEL (Fy): ASTM A36 (36 KSI) ANCHOR RODS 1 1/2"ø ASTM A36

MANUFACTURER SHAFT SECTION DATA

SHAFT SECTION	SECTION SHAPE	SECTION LENGTH	SECTION THICKNESS	SECTION GRADE	FLANGE PLATE GRADE	LAP SPLICE	DIAMETER ACE OF ROUND S	OSS FLATS OR SECTION (IN.)
523.1.5.1.		(FT.)	(IN.)	(IN.) Fy (KSI) Fy (KSI)	Fy (KSI)	(IN.)	TOP	воттом
1	ROUND	20.00	0.2500	35	50	-	18.000	18.000
2	ROUND	40.00	0.2500	42	-	ı	18.000	18.000

NOTE: DIMENSIONS SHOWN DO NOT INCLUDE GALVANIZING TOLERANCES



	MODIFICATION SCHEDULE		
NO.	MODIFICATION DESCRIPTION	ELEVATION (FT.)	SHEET
1	INSTALL PROPOSED MONOPOLE SHAFT REINFORCEMENT.	4.50 - 38.50	S-2 THROUGH S-5
2	INSTALL PROPOSED TRANSITION STIFFENERS.	5.25	S-2 AND S-6
(3)	REMOVE EXISTING ANCHOR BOLT REINFORCEMENT.	0.00	S-7 AND S-8
4	INSTALL PROPOSED FOUNDATION REINFORCEMENT.	0.00	S-7 THROUGH S-12
(5)	INSTALL PROPOSED TOWER EXTENSION.	40.00 - 60.00	S-13 THROUGH S-16
6	REMOVE AND REPLACE EXISTING BARK AND BRANCHES TO ACCOMMODATE PROPOSED REINFORCEMENT.	-	-
7	CONTRACTOR TO REMOVE CLADDING AS NECESSARY PRIOR TO INSTALLING PROPOSED MODIFICATIONS. THE EXTENT OF THE CLADDING REMOVAL SHALL BE LIMITED TO ONLY THE AREA REQUIRED TO INSTALL THE PROPOSED REINFORCEMENT. CONTRACTOR SHALL VERIFY THAT THE REMAINING CLADDING IS SECURELY ATTACHED TO THE STRUCTURE.	-	-
8	PAINT PROPOSED MODIFICATIONS TO MATCH TOWER SHAFT.	-	-
9	CONTRACTOR TO PLUMB TOWER PER SECTION 13.3.3 OF ANSI/TIA-222-H.	_	_
10	MODIFICATION INSPECTION BY TEP. CONTACT TEP FOR FEE: PMI@TEPGROUP.NET	-	-

NOTES:

- CONTRACTOR SHALL FIELD VERIFY SPLICE ELEVATION PRIOR TO INSTALLATION. CONTACT TOWER OWNER AND ENGINEER OF RECORD IF SPLICE ELEVATIONS DIFFER FROM WHAT IS SHOWN. SHAFT REINFORCEMENT ELEVATIONS ARE DEPENDENT ON SPLICE ELEVATIONS AND MAY NEED TO BE ADJUSTED TO ACCOMMODATE ACTUAL SPLICE ELEVATION.
- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO PROVIDE THE MODIFICATION INSPECTOR / ENGINEER OF RECORD WITH A SEALED CERTIFIED WELD INSPECTION REPORT. THIS REPORT SHALL DOCUMENT THE ENTIRE WELDING PROCESS (PRE/DURING/POST) WITH PROPER PHOTOS. WELDING SHALL
- CONFORM TO AWS D1.1/D1.1M: 2015 "STRUCTURAL WELDING CODE-STEEL", FOR ADDITIONAL NOTES, SEE WELDING NOTES.
 ANTENNAS AND OTHER APPURTENANCES MAY NEED TO BE TEMPORARILY REMOVED OR MOVED DURING THE INSTALLATION OF THE MODIFICATIONS

- ANTENNAS AND OTHER APPURTENANCES MAY NEED TO BE TEMPORARILE REMOVED OR MOVED DURING THE INSTALLATION OF THE MODIFICATIONS REQUIRED, CONTINUOUS INSPECTIONS AND MATERIAL TESTING WILL NEED TO BE PERFORMED.

 CONTRACTOR SHALL ORDER AND INSTALL A NEW TOWER TAG IF THE EXISTING TOWER TAG IS MOVED OR DAMAGED DUE TO THE INSTALLATION OF THE MODIFICATION SHOWN ABOVE.

 PRIOR TO FABRICATION AND INSTALLATION, CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND QUANTITIES GIVEN. LENGTHS AND QUANTITIES PROVIDED ARE FOR QUOTING PURPOSES ONLY AND SHALL NOT BE USED FOR FABRICATION.

 NO DETAILED INFORMATION REGARDING INTERFERENCES WAS PROVIDED. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS. REPORT ANY AND ALL DISCREPANCIES TO TOWER ENGINEERING PROFESSIONALS, INC. AND PHOENIX TOWER INTERNATIONAL CONSTRUCTION MANAGER

65KSI FLAT PLATE REINFORCEMENT SCHEDULE

QTY.	PART NO.	FLAT/ ANGLE	EL (F	EV T.)	PLATE LENGTH			NIEKWEDIAIE	NTERMEDIATE T	INTERMEDIATE BOL	EDIATE TOTAL STEEL	TERMINATION DETAIL	
		7	вот.	TOP	(FT.)	вот.	TOP	(IN.)	QTY.	(LB.)	вот.	TOP	
2	TEP-CFP-06012521	45, 315	4.50	25.50	21.00	12	12	20.00	64	1071.9	2	5	
2	TEP-CFP-06012527	135, 225	4.50	31.00	26.50	12	12	20.00	72	1352.6	2	5	
1	TEP-CFP-06012512	0	19.25	31.00	11.75	12	12	20.00	27	299.9	5	5	
3	TEP-CFP-04512513	60, 180, 300	25.50	38.50	13.00	8	8	24.00	60	746.5	5	3A	
								TOTALS:	223	3470.9			

NOTES:

- . SEE SHEETS N-4 FOR BOLT INSTALLATION DETAILS. SEE SHEET S-3 FOR FLAT PLATE DETAILS. SEE SHEETS S-4 AND S-5 FOR TERMINATION DETAILS.
- 2. FOR FLAT PLATES STARTING AT 6", THE BOTTOM OF THE FLAT PLATE SHALL BEGIN AT 6" +/- 1". FOR SINGLE PLATES OR MULTIPLE PLATES SPLICED TOGETHER, THE BOTTOM OF THE FLAT PLATE RUN SHALL BEGIN AT THE PROPOSED ELEVATION +/- 3". FOR MULTIPLE PLATES SPLICED TOGETHER, THE TOP OF THE FLAT PLATE IS TO BE PLACED SUCH THAT THERE IS NO MORE THAN A 3" DIFFERENCE BETWEEN THE ACTUAL OVERALL LENGTH OF THE SPAN AND THE PROPOSED OVERALL LENGTH OF THE SPAN, FROM THE BOTTOM OF THE BOTTOM PLATE TO THE TOP OF THE TOP PLATE.
- SHIMS FOR MONOPOLE REINFORCEMENT MEMBER SHALL BE REQUIRED WHERE GAPS BETWEEN THE POLE SHAFT AND REINFORCING MEMBER EXIST AT FASTENER LOCATIONS. FOR INTERMEDIATE CONNECTIONS, THE MINIMUM SHIM LENGTH AND WIDTH SHALL BE THE WIDTH OF THE REINFORCING MEMBER. FOR TERMINATION CONNECTIONS, A CONTINUOUS SHIM PLATE (PREFERRED) OR EQUIVALENT INDIVIDUAL SHIM PLATES THE WIDTH OF THE
- MEMBER, FOR IERMINATION CONNECTIONS, A CONTINUOUS SHIM PLATE (PREFERRED) OR EQUIVALENT INDIVIDUAL SHIM PLATES THE WIDTH OF THE REINFORCING MEMBER MAY BE USED. SHIM THICKNESSES SHALL BE NO LESS THAN %6". STACKING OF SHIMS IS PERMITTED. FINGER SHIMS AND HORSESHOE SHIMS ARE PERMITTED. STACKING OF SHIMS SHALL BE NO GREATER THAN X" WITHOUT EOR APPROVAL.

 SHIMS GREATER THAN X" IN THICKNESS LOCATED WITHIN THE TERMINATION LENGTH OF THE SHAFT REINFORCEMENT PLATE SHALL BE WELDED TO THE SHAFT REINFORCEMENT PLATE. TIGHTENING THE BOLTS TO COLD BEND THE STEEL PLATES AROUND THE SHIMS IS STRICTLY PROHIBITED IN LIEU OF SHIMS AND WILL BE CAUSE FOR REJECTION.
- FLAT PLATE REINFORCEMENTS SHALL BE INSTALLED ON THE CENTER OF THE TOWER SHAFT FLATS UNLESS OTHERWISE NOTED.
 ADDITIONAL BOLT QUANTITY REFERS TO TOTAL NUMBER OF ADDITIONAL BOLTS WHEN SPLICING INTO EXISTING FLAT PLATE.



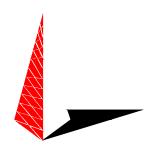
PROJECT INFORMATION:

PIONEER SITE #: US-CA-1322

OFFICE: (503) 593-0282

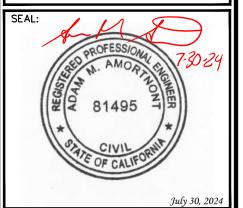
2470 PIONEER AVE A FULLERTON, CA 92832 (ORANGE COUNTY)

PLANS PREPARED BY:



TOWER ENGINEERING PROFESSIONALS

326 TRYON ROAD RALEIGH, NC 27603 OFFICE: (919) 661-6351 www.tepgroup.net



07-30-24 MODIFICATION DRAWINGS ISSUED FOR: REV DATE

JLW | CHECKED BY: DRAWN BY:

SHEET TITLE:

TOWER ELEVATION AND MODIFICATION **SCHEDULE**

SHEET NUMBER:

REVISION:

TEP#: 72879.98028

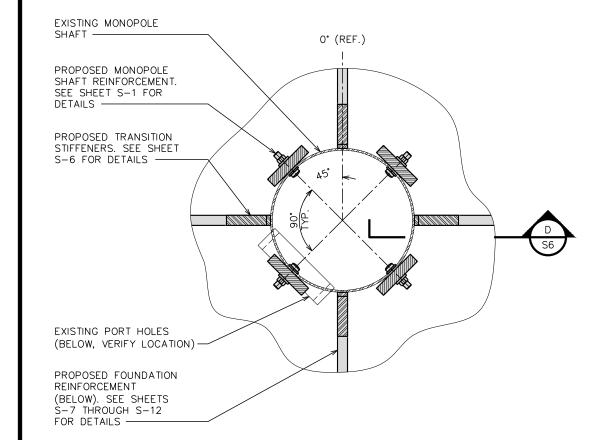
TOWER ELEVATION

SCALE IN FEET

SCALE: $\frac{3}{2}$ " = 1'-0"

ATTENTION

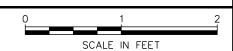
O* REF. WAS ASSUMED TO BE ALIGNED WITH NORTH. FIELD VERIFY BASE PLATE ORIENTATION PRIOR TO INSTALLATION. CONTACT TOWER OWNER AND ENGINEER OF RECORD SHOULD ANY DISCREPANCIES ARISE.



NOTE:

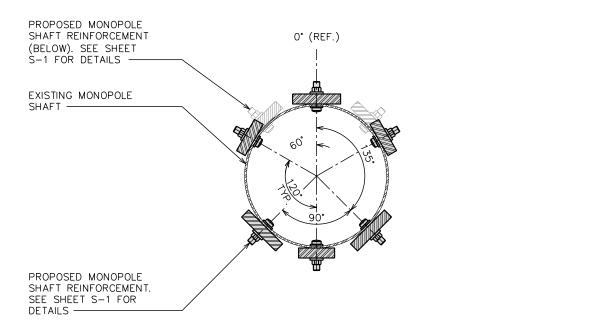
PROPOSED FOUNDATION REINFORCEMENT NOT SHOWN FOR CLARITY. SEE SHEET S-8 FOR FULL SECTION CUT VIEW.





ATTENTION

O* REF. WAS ASSUMED TO BE ALIGNED WITH NORTH. FIELD VERIFY BASE PLATE ORIENTATION PRIOR TO INSTALLATION. CONTACT TOWER OWNER AND ENGINEER OF RECORD SHOULD ANY DISCREPANCIES ARISE.

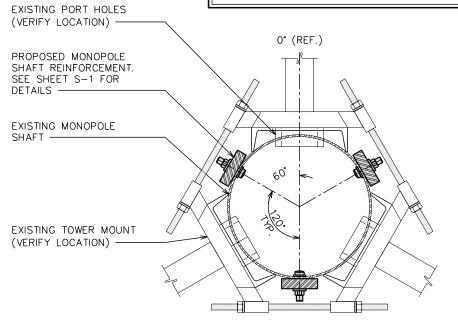


SECTION SCALE: 1" = 1'-0"

0 1 2 SCALE IN FEET

ATTENTION

O* REF. WAS ASSUMED TO BE ALIGNED WITH NORTH. FIELD VERIFY BASE PLATE ORIENTATION PRIOR TO INSTALLATION. CONTACT TOWER OWNER AND ENGINEER OF RECORD SHOULD ANY DISCREPANCIES ARISE.



SECTION

SCALE: 1" = 1'-0"

C



PLANS PREPARED FOR: PHOENIX TOWER INTERNATIONAL

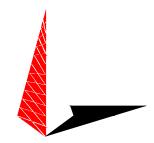
999 YAMATO ROAD, SUITE 100 BOCA RATON, FL 33431 OFFICE: (503) 593-0282

PROJECT INFORMATION:

PIONEER SITE #: US-CA-1322

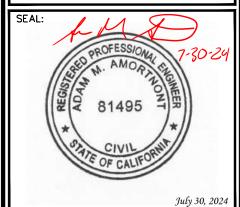
2470 PIONEER AVE A FULLERTON, CA 92832 (ORANGE COUNTY)

PLANS PREPARED BY:



TOWER ENGINEERING PROFESSIONALS

326 TRYON ROAD RALEIGH, NC 27603 OFFICE: (919) 661-6351 www.tepgroup.net



0	07-30-24	MODIFICATION DRAWINGS
RFV	DATE	ISSUED FOR:

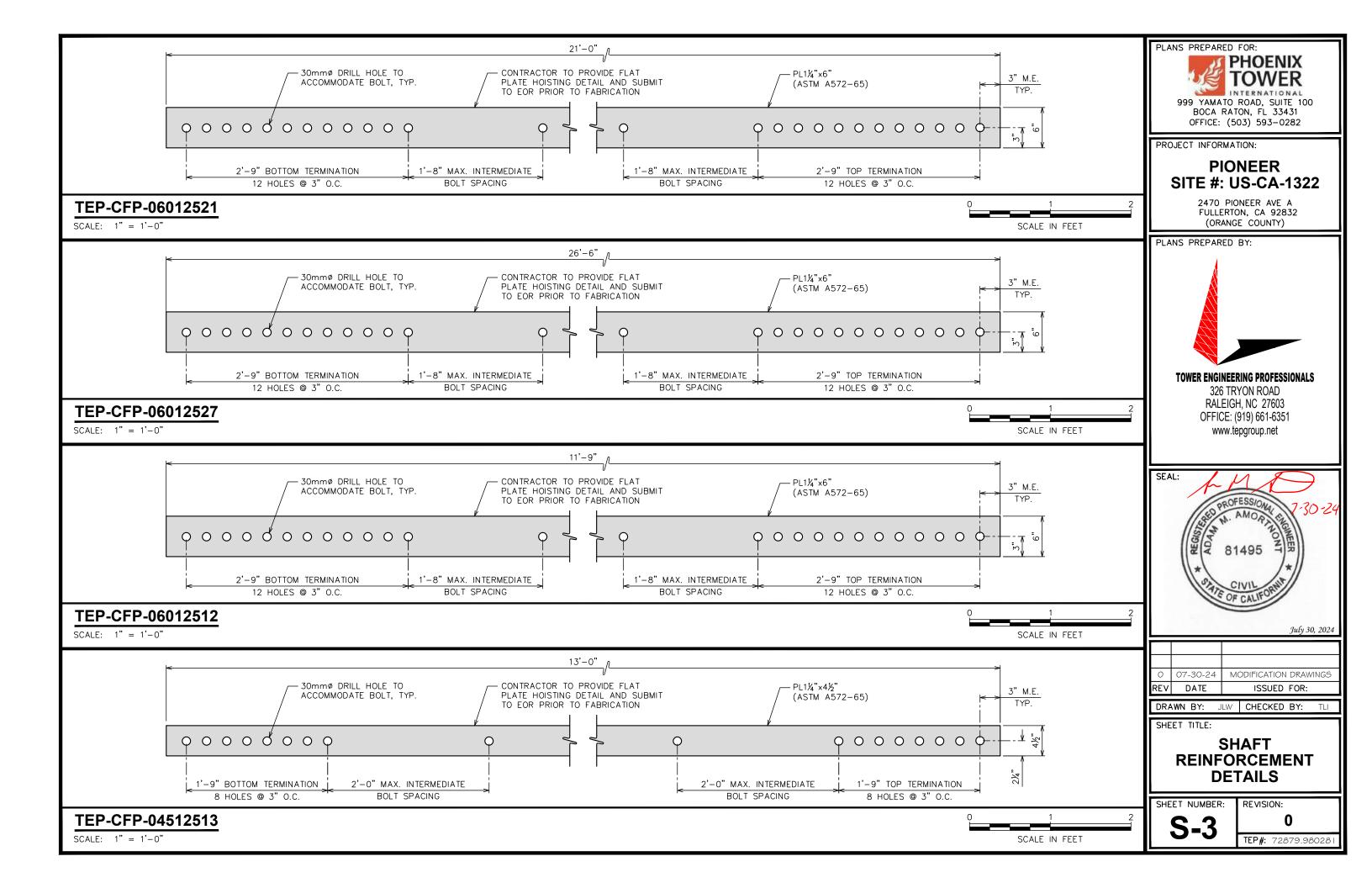
DRAWN BY: JLW CHECKED BY: TL

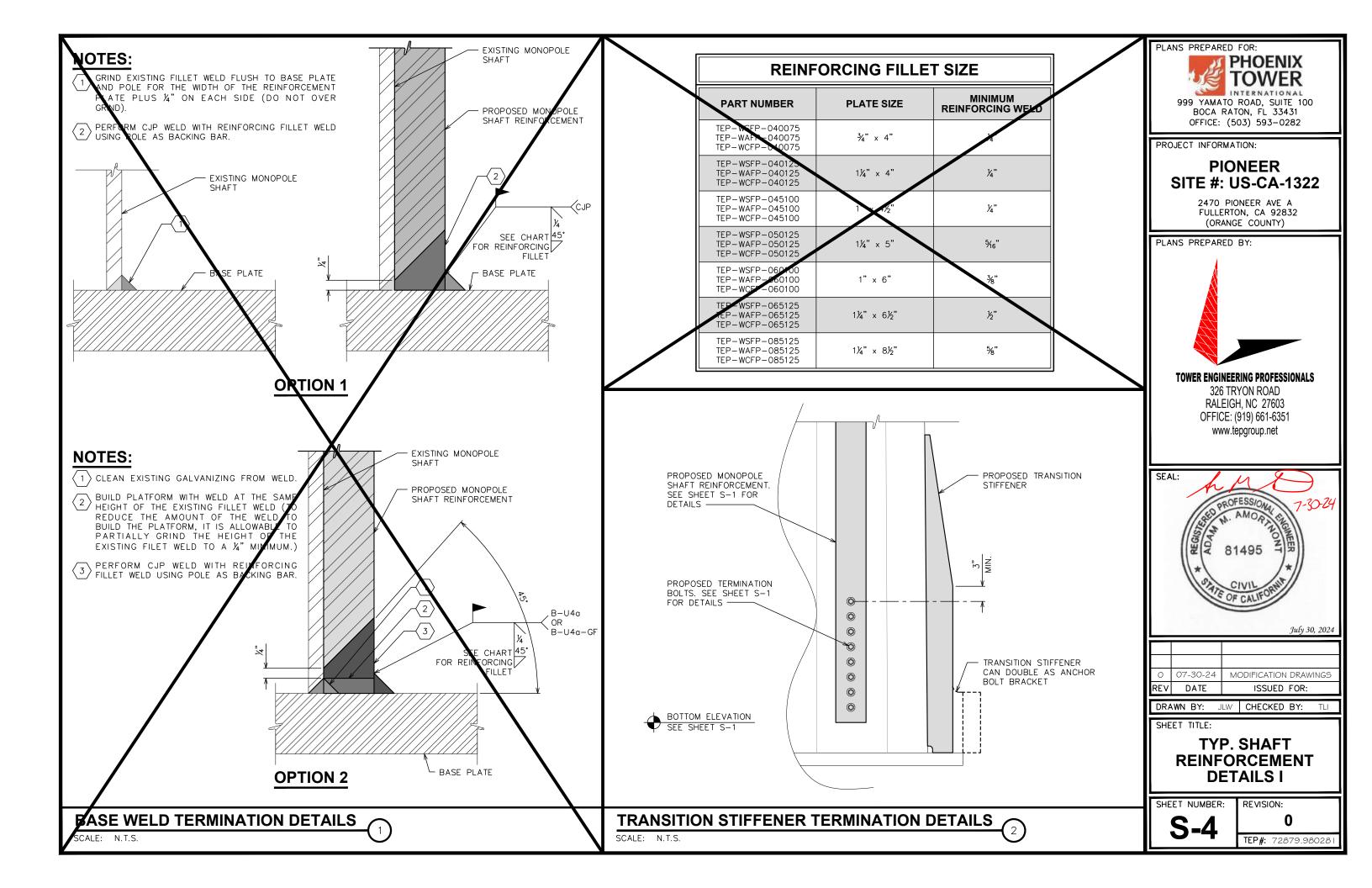
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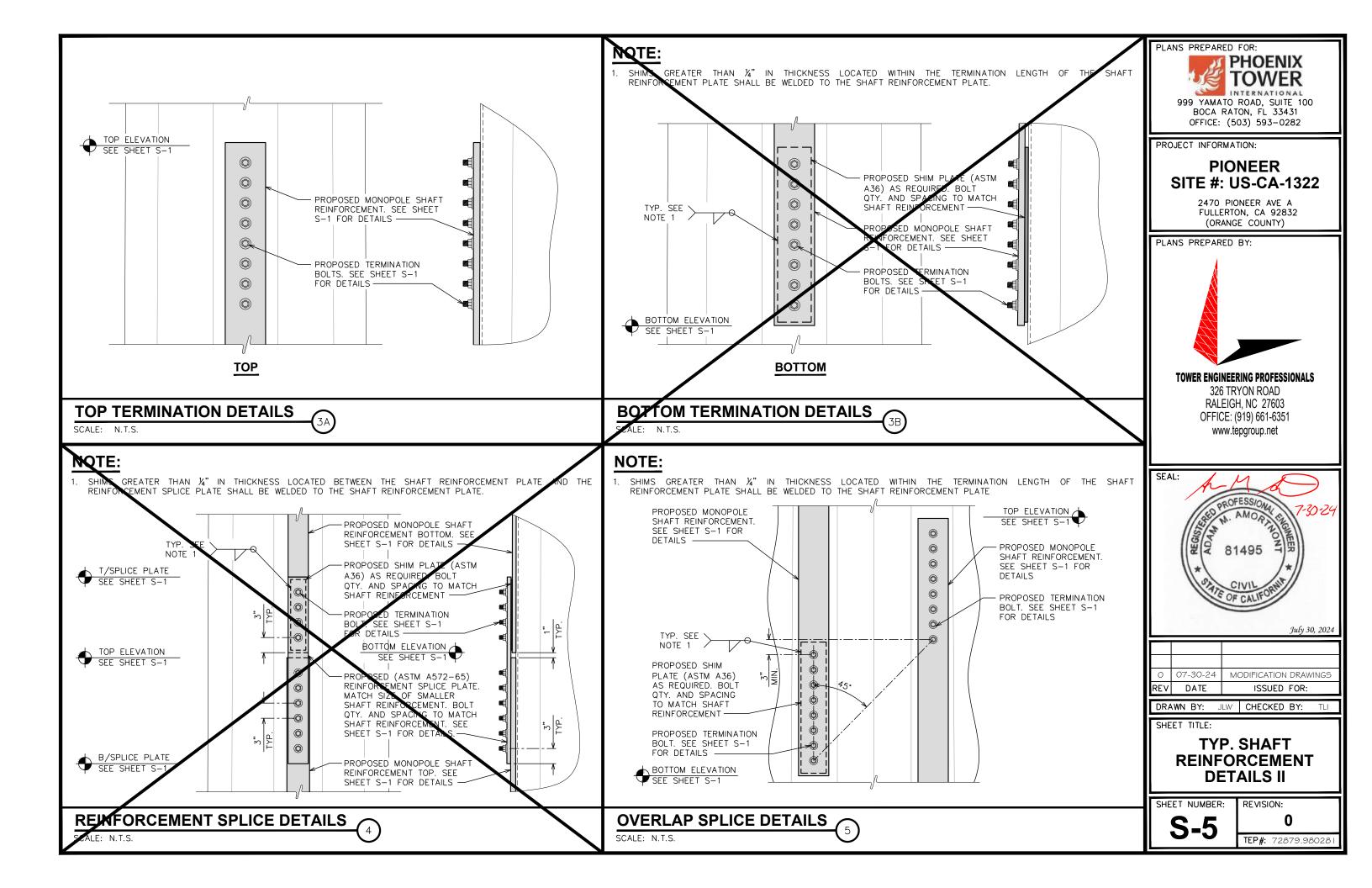
SECTION DETAILS

SHEET NUMBER:

REVISION:





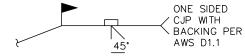


TRANSITION STIFFENER

DESCRIPTION	MEASUREMENT
HEIGHT	5'-0"
TOTAL HEIGHT	10'-4"
WIDTH	5½"
T/ TERMINATION	2'-6"
STIFFENER THICKNESS	11/4"
MATERIAL	ASTM A572-65
TOTAL QUANTITY	4

NOTE:

TO FIT-UP, THE CONTRACTOR SHALL BE PERMITTED TO USE THE ONE-SIDED CJP WELD DEPICTED BELOW.
CONTRACTOR SHALL RED-LINE AS-BUILT DRAWINGS
TO INDICATE THE CHOSEN DETAIL.



PLANS PREPARED FOR: **PHOENIX TOWER** INTERNATIONAL

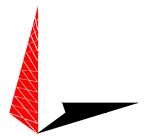
999 YAMATO ROAD, SUITE 100 BOCA RATON, FL 33431 OFFICE: (503) 593-0282

PROJECT INFORMATION:

PIONEER SITE #: US-CA-1322

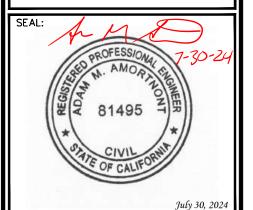
2470 PIONEER AVE A FULLERTON, CA 92832 (ORANGE COUNTY)

PLANS PREPARED BY:



TOWER ENGINEERING PROFESSIONALS

326 TRYON ROAD RALEIGH, NC 27603 OFFICE: (919) 661-6351 www.tepgroup.net



0	07-30-24	MODIFICATION DRAWINGS
REV	DATE	ISSUED FOR:

DRAWN BY: JLW CHECKED BY:

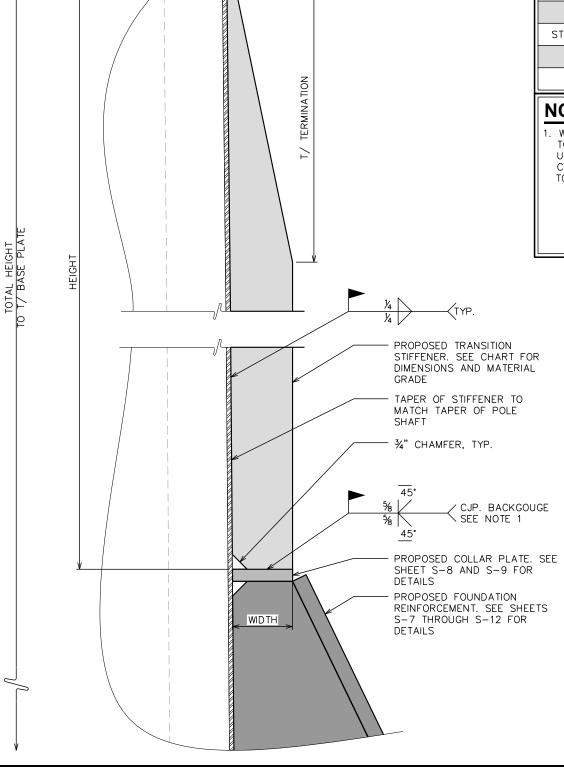
SHEET TITLE:

TRANSITION STIFFENER DETAILS

SHEET NUMBER:

REVISION:

TEP#: 72879.98028

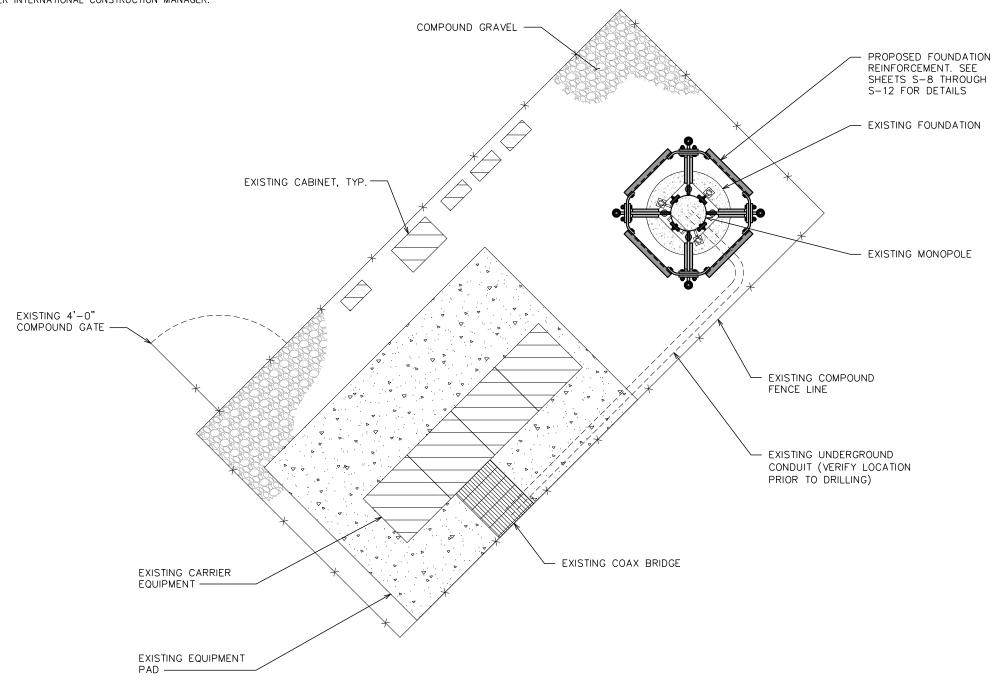


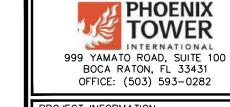
TRANSITION STIFFENER DETAILS

SCALE: N.T.S.

NOTES:

- CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING EQUIPMENT PRIOR TO CONSTRUCTION. COORDINATE WITH TOWER OWNER ANY REQ'D RELOCATION OF EXISTING EQUIPMENT THAT MAY INTERFERE WITH THE MAST FOUNDATION REINFORCEMENT.
- 2. CONTRACTOR SHALL VERIFY AS-BUILT DIMENSIONS OF EXISTING FOUNDATION PRIOR TO CONSTRUCTION.
- 3. CONTRACTOR TO COORDINATE RELOCATION OF INTERFERING ICE BRIDGE SUPPORTS WITH PHOENIX TOWER INTERNATIONAL CONSTRUCTION MANAGER.





PLANS PREPARED FOR:

PROJECT INFORMATION:

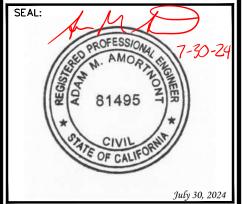
PIONEER SITE #: US-CA-1322

2470 PIONEER AVE A FULLERTON, CA 92832 (ORANGE COUNTY)

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0	07-30-24	MODIFICATION DRAWINGS
REV	DATE	ISSUED FOR:

DRAWN BY: JLW CHECKED BY: TLI

SHEET TITLE:

SITE PLAN

SHEET NUMBER:

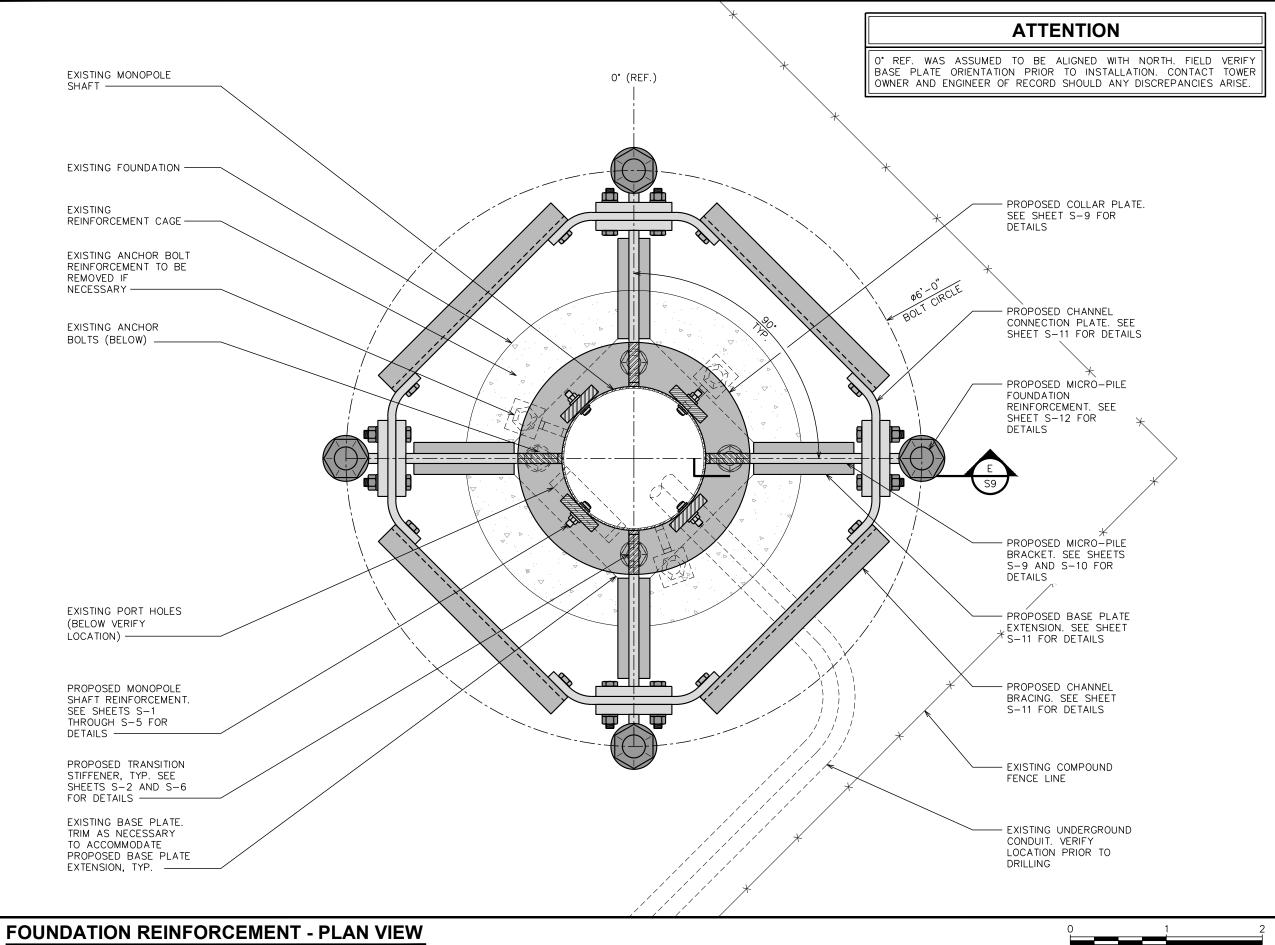
REVISION:

TEP#: 72879.980281

SITE PLAN

SCALE: ¼" = 1'-0"

0 4 SCALE IN FEET



PLANS PREPARED FOR:

PHOENIX

TOWER

INTERNATIONAL

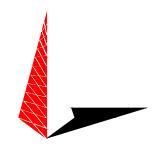
999 YAMATO ROAD, SUITE 100 BOCA RATON, FL 33431 OFFICE: (503) 593-0282

PROJECT INFORMATION:

PIONEER SITE #: US-CA-1322

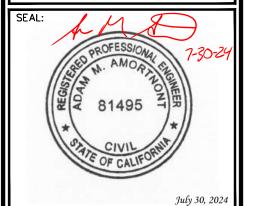
2470 PIONEER AVE A FULLERTON, CA 92832 (ORANGE COUNTY)

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REV DATE ISSUED FOR:

DRAWN BY: JLW CHECKED BY:

SHEET TITLE:

FOUNDATION REINFORCEMENT DETAILS I

SHEET NUMBER:

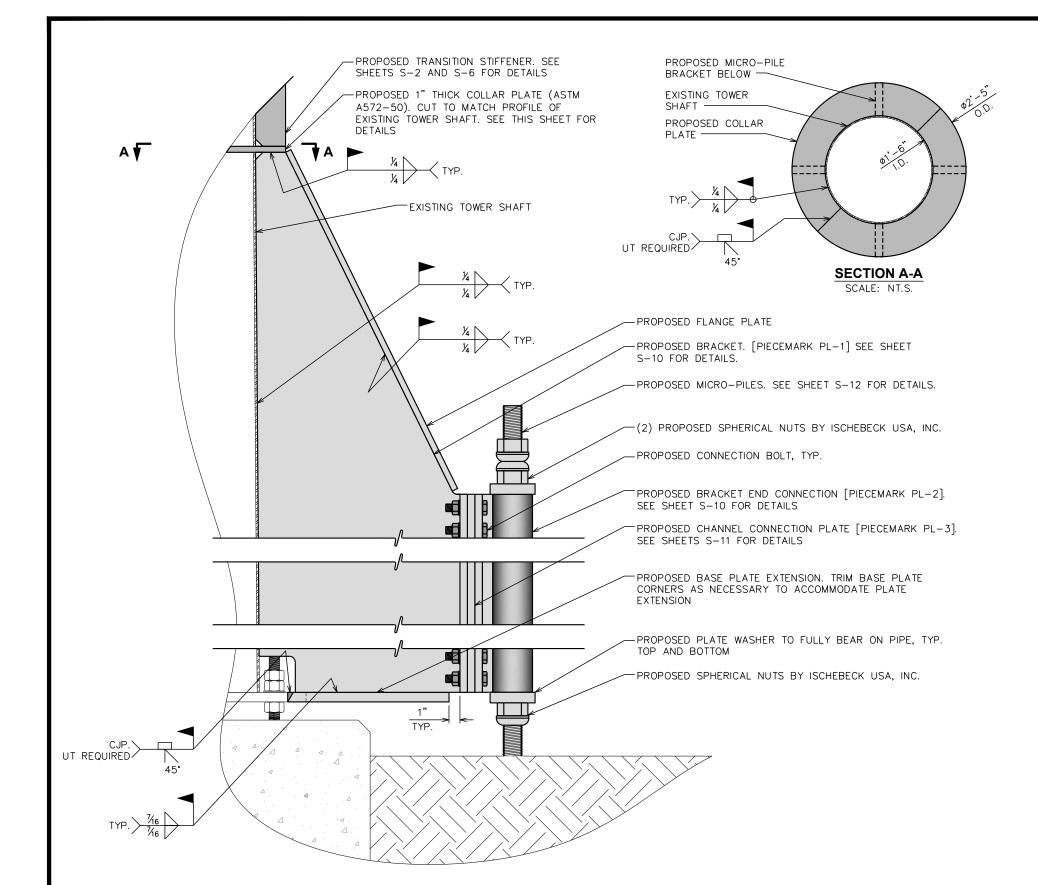
8-8 L

TEP#: 72879.98028

REVISION:

1" = 1'-0"

SCALE IN FEET



CONNECTION BOLTS

DESCRIPTION	MEASUREMENT
CONNECTION BOLT DIA.	1"
MATERIAL	ASTM A325-X
TOTAL QUANTITY	32

SPHERICAL NUT

DESCRIPTION	MEASUREMENT
TOTAL QUANTITY	12

ACCESSORIES

DESCRIPTION	MEASUREMENT
FLANGE PLATE	PL4"x1"
MATERIAL	ASTM A572-50
TOTAL QUANTITY	4
DESCRIPTION	MEASUREMENT
BASE PLATE EXTENSION	PL4"x1'-0½"x1½"
MATERIAL	ASTM A572-50
TOTAL QUANTITY	4
DESCRIPTION	MEASUREMENT
PLATE WASHER	PL5½" O.D. x 1¼" TH. (3" I.D.)
MATERIAL	ASTM A572-65
TOTAL QUANTITY	8

PLANS PREPARED FOR:

PHOENIX
TOWER

INTERNATIONAL
999 YAMATO ROAD, SUITE 100

PROJECT INFORMATION:

PIONEER SITE #: US-CA-1322

BOCA RATON, FL 33431

OFFICE: (503) 593-0282

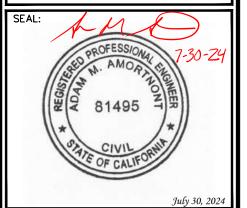
2470 PIONEER AVE A FULLERTON, CA 92832 (ORANGE COUNTY)

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O 07-30-24 MODIFICATION DRAWINGS
REV DATE ISSUED FOR:

DRAWN BY: JLW CHECKED BY: TL

SHEET TITLE:

FOUNDATION REINFORCEMENT DETAILS II

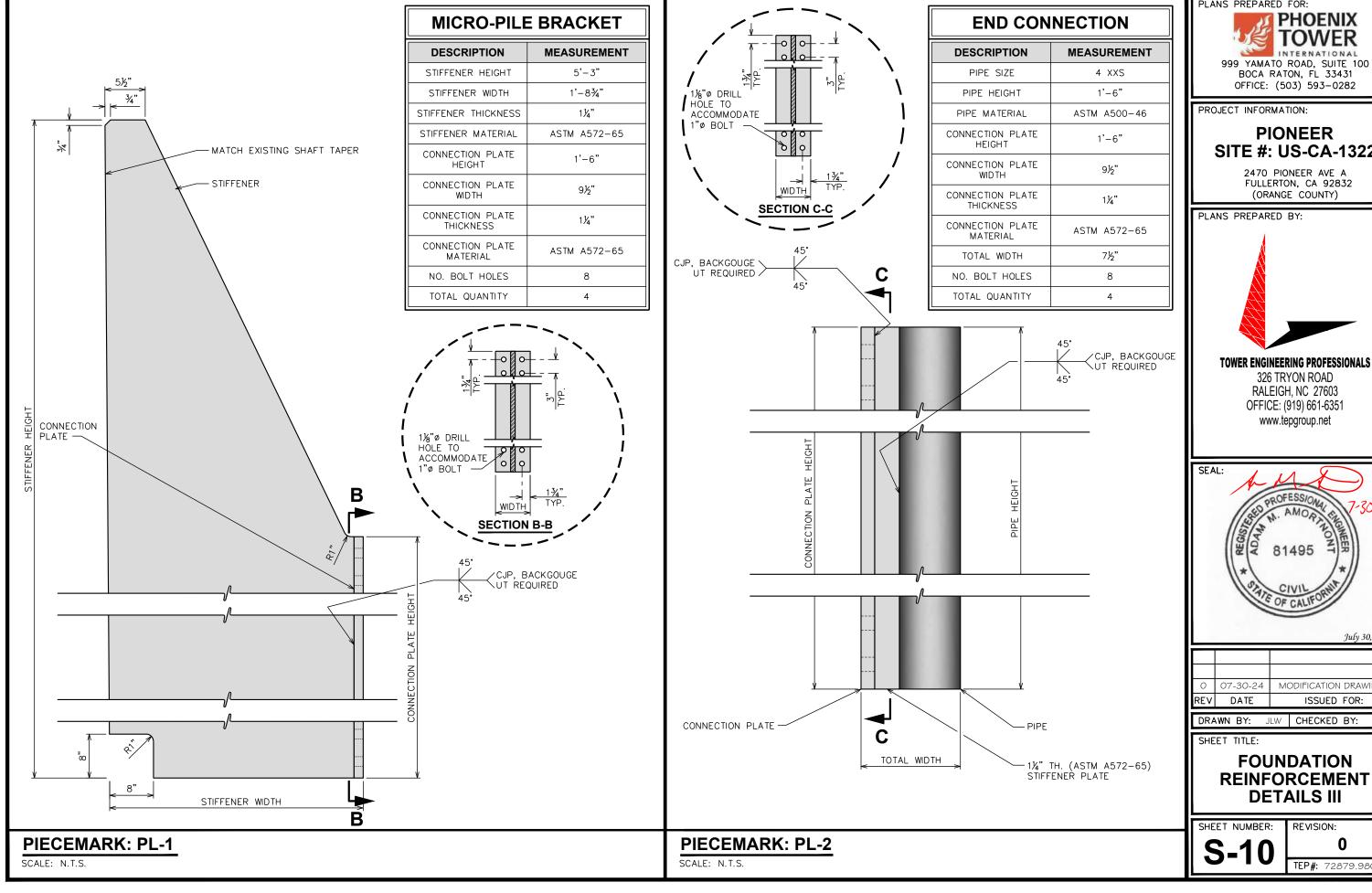
SHEET NUMBER:

REVISION:

TEP#: 72879.980281

MICRO-PILE BRACKET DETAIL

SCALE: N.T.S.



PLANS PREPARED FOR: **PHOENIX TOWER** INTERNATIONAL

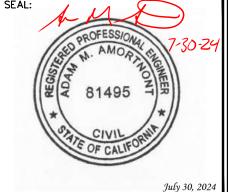
PIONEER SITE #: US-CA-1322

2470 PIONEER AVE A FULLERTON, CA 92832 (ORANGE COUNTY)



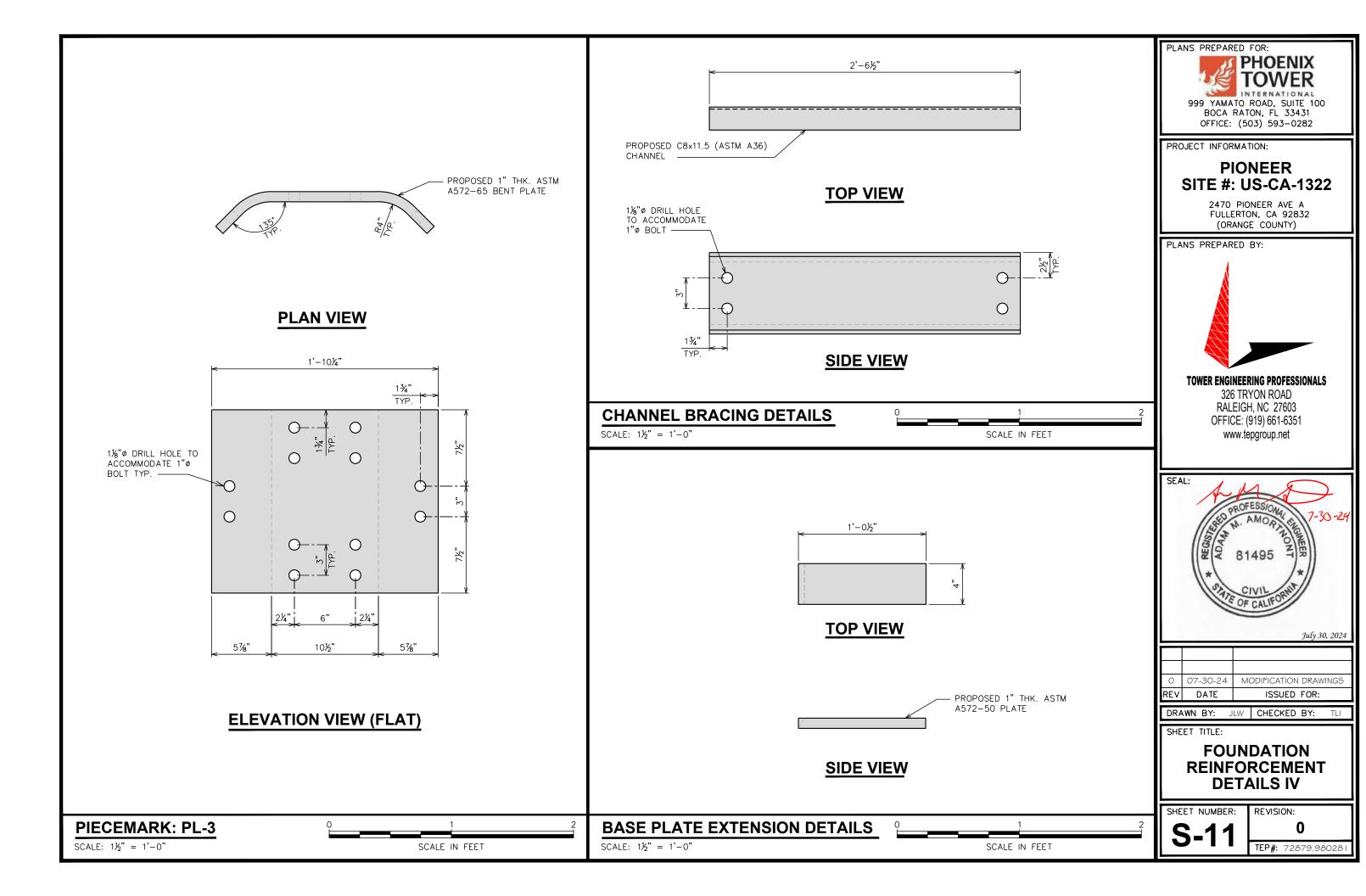
TOWER ENGINEERING PROFESSIONALS

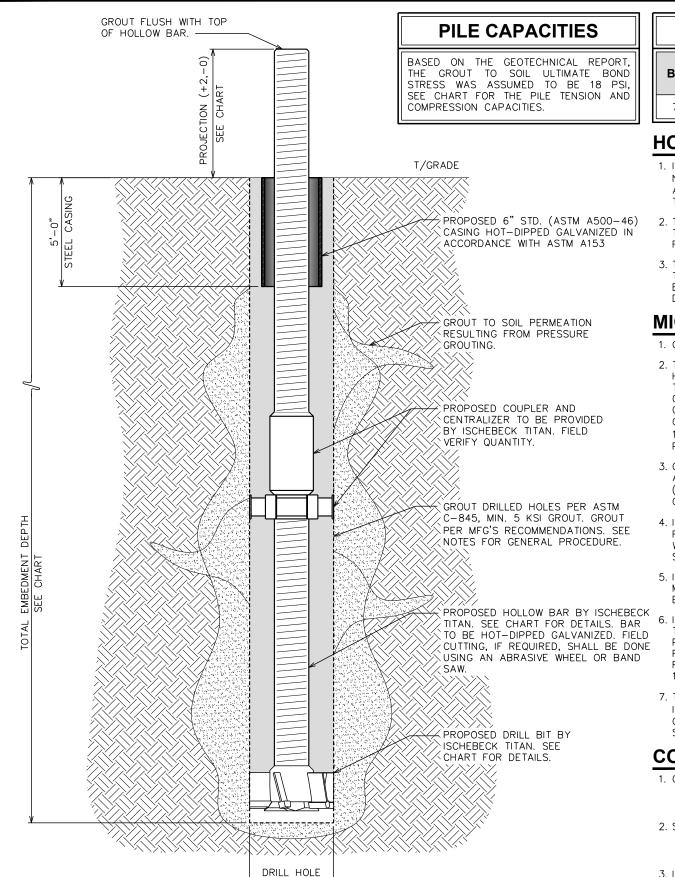
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0	07-30-24	MODIFICATION DRAWINGS
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FOUNDATION REINFORCEMENT DETAILS III





SEE CHART

ISCHEBECK TITAN HOLLOW BARS

BAR SIZE	ALLOWABLE AXIAL PILE CAPACITY (KIPS)	DRILL BIT TYPE	DRILL BIT SIZE DRILL HOLE SIZE	EMBEDMENT DEPTH	PROJECTION
73 / 53	175.4	CROSS CUT	6.9" (175mm)	54'-0"	3'-9"

HOLLOW BAR SYSTEM

- 1. IN SOILS THAT DO NOT ALLOW FOR OPEN-HOLED DRILLING (I.E. GRANULAR SOILS THAT ARE COLLAPSIBLE IN NATURE), DRILLING WITH A GROUT FLUID SERVES THE PURPOSES OF FLUSHING SPOILS FROM THE BOREHOLE AND PREVENTS LOOSER, SURROUNDING MATERIAL FROM COLLAPSING DUE TO THE HIGHER RELATIVE DENSITY OF THE GROUT.
- 2. THE INJECTION BAR IS A HIGH-STRENGTH IMPACT-RESISTANT HEAVY WALL STEEL TUBING CONTINUOUSLY THREADED OVER ITS LENGTH WITH A HEAVY DUTY THREAD PATTERN. THE STEEL TUBING PROVIDES MAXIMUM FLOW WITH MINIMUM RESISTANCE DURING HIGH PRESSURE FLUSHING AND GROUTING OPERATIONS.
- 3. THE HOLLOW BAR SERVES AS THE DRILL STEEL. A SACRIFICIAL BIT IS INSTALLED ON THE END OF THE BAR AND THE CONTRACTOR ADVANCES THE BAR CONTINUALLY PUMPING AND CIRCULATING GROUT TO MAINTAIN AN OPEN BOREHOLE. THIS TECHNIQUE IS THE SAME AS WASH BORING EXCEPT THAT GROUT RATHER THAN BENTONITE DRILLING MUD SERVES AS THE DRILLING FLUID.

MICRO-PILE INSTALLATION NOTES

- 1. GENERALLY THE SYSTEM IS INSTALLED WITH ROTARY PERCUSSIVE DRILLING AND CONTINUOUS GROUTING.
- 2. THE THICKNESS OF GROUT CAN BE VARIED DEPENDING ON SUSCEPTIBILITY OF THE BOREHOLE TO COLLAPSE. HOWEVER, A GROUT MIXTURE OF 0.4 WATER TO CEMENT RATIO IS RECOMMENDED IN POOR COLLAPSIBLE SOILS TO ENSURE A HIGH ENOUGH DENSITY TO SUPPORT THE ANNULUS. IN ALL CASES, A FINAL GROUT MIXTURE OF 0.4 WATER TO CEMENT RATIO SHALL BE USED ONCE THE ANCHOR HAS REACHED ITS TERMINATION DEPTH TO COMPLETELY FLUSH ALL DRILLING GROUT AND DEBRIS FOR ADEQUATE IN—SITU STRUCTURAL CAPACITY. SPECIFIC GRAVITY OF THE FINAL GROUT MIXTURE SHALL BE CHECKED USING A MUD BALANCE SCALE (PRODUCT CODE: 115—00 BY OFI TESTING EQUIPMENT, OR EQUIVALENT) TO ENSURE A VALUE OF 1.9 OR HIGHER PRIOR TO PUMPING AND UPON EXIT FROM THE BOREHOLE.
- 3. GROUTS ARE DESIGNED TO PROVIDE HIGH STRENGTH AND STABILITY, BUT MUST ALSO BE PUMPABLE. GROUTS ARE TO BE PRODUCED WITH POTABLE WATER TO REDUCE THE DANGER OF REINFORCEMENT CORROSION. TYPE IL (MS) BLENDED CEMENT CONFORMING TO ASTM C595 AND SUITABLE FOR EXPOSURE TO MODERATE SULFATE CONDITIONS IS RECOMMENDED, SUPPLIED EITHER IN BAGGED OR BULK FORM DEPENDING ON AVAILABILITY.
- 4. IT IS RECOMMENDED THAT THE GROUT BE MIXED IN A COLLOIDAL (SHEAR TYPE) MIXER, SO ONCE PUMPED THE FINE GROUT PARTICLES ARE FULLY ABLE TO DISPERSE INTO THE SMALL VOIDS OF THE SURROUNDING SOIL. THE WELL MIXED GROUT EXITS THE SIDE PORTS OF THE DRILL BIT UNDER PRESSURE TO FLUSH AND REMOVE THE SOFTER PARTS OF THE SOIL WHILE PENETRATING INTO THE FIRMER MATERIAL FOR INCREASED BOND CAPACITY.
- 5. IT IS RECOMMENDED THAT THE CONTRACTOR PARTIALLY WITHDRAW EACH FULLY DRILLED SECTION UP THE DRILL MAST PRIOR TO ATTACHING NEW SECTIONS. THIS WAY THE DRILLING CAN BEGIN IN PLUNGING TYPE ACTION TO EVEN FURTHER IMPROVE GROUT PENETRATION.
- 6. IN ALL CASES THE HOLLOW BAR SYSTEM SHOULD BE DRILLED SLOW ENOUGH TO ENSURE ROTATION THROUGH THE SOIL AS OPPOSED TO EXCESSIVE PERCUSSION AND FEED PRESSURE WITH LIMITED ROTATION. SUCH PRACTICE WILL PROVIDE THE FORMATION OF A TRUE BOREHOLE WITH CONSISTENT GROUT COVER. GROUTING PRESSURE SHOULD BE SUFFICIENT TO MAINTAIN CIRCULATION AT ALL TIMES WITH A SMALL AMOUNT OF GROUT RETURN VISIBLE AT THE MOUTH OF THE BOREHOLE. NORMAL DRILLING ROTATION IS IN THE RANGE OF 40 AND 100 RPM.
- 7. THE MICRO-PILE HAS BEEN DESIGNED SUCH THAT THE FAILURE WILL OCCUR BETWEEN THE SOIL/ANCHOR INTERFACE, NOT THE GROUT/ANCHOR INTERFACE. THEREFORE, THE INSTALLATION SHALL BE OBSERVED BY A QUALIFIED PERSON EXPERIENCED IN THE INSTALLATION AND INSPECTION OF THIS TYPE OF MICRO-PILE AND SHALL BE WORKING UNDER THE DIRECTION OF A PROFESSIONAL ENGINEER.

CONTACT INFORMATION

- 1. GEOTECHNICAL ENGINEER
 - JOHN D. LONGEST, P.E. (TEP)
 - (919) 661-6351
- 2. STRUCTURAL ENGINEER:
 - ADAM M. AMORTNONT, P.E. (TEP)
 - (919) 661-6351
- 3. ISCHEBECK TITAN CONTACT:
 - MARC MASTRANTUONO, P.E.
 - (239) 316-2049

PLANS PREPARED FOR: PHOENIX TOWER

999 YAMATO ROAD, SUITE 100 BOCA RATON, FL 33431 OFFICE: (503) 593-0282

PROJECT INFORMATION:

PIONEER SITE #: US-CA-1322

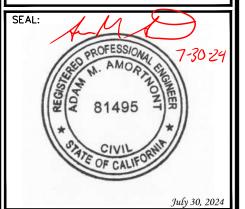
2470 PIONEER AVE A FULLERTON, CA 92832 (ORANGE COUNTY)

PLANS PREPARED BY:



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0	07-30-24	MODIFICATION DRAWINGS
REV	DATE	ISSUED FOR:

DRAWN BY: JLW | CHECKED BY: TL

SHEET TITLE:

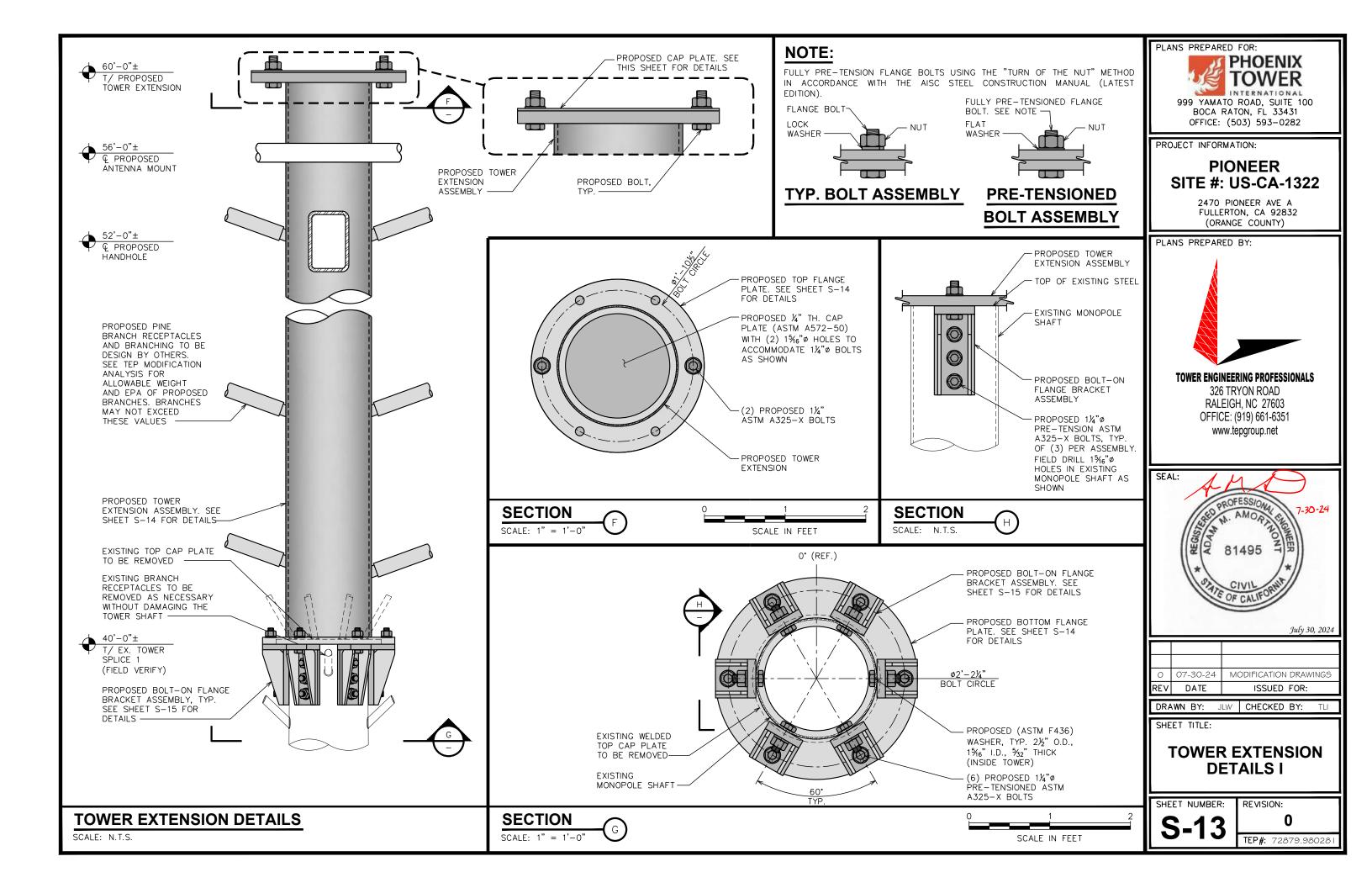
MICRO-PILE DETAILS

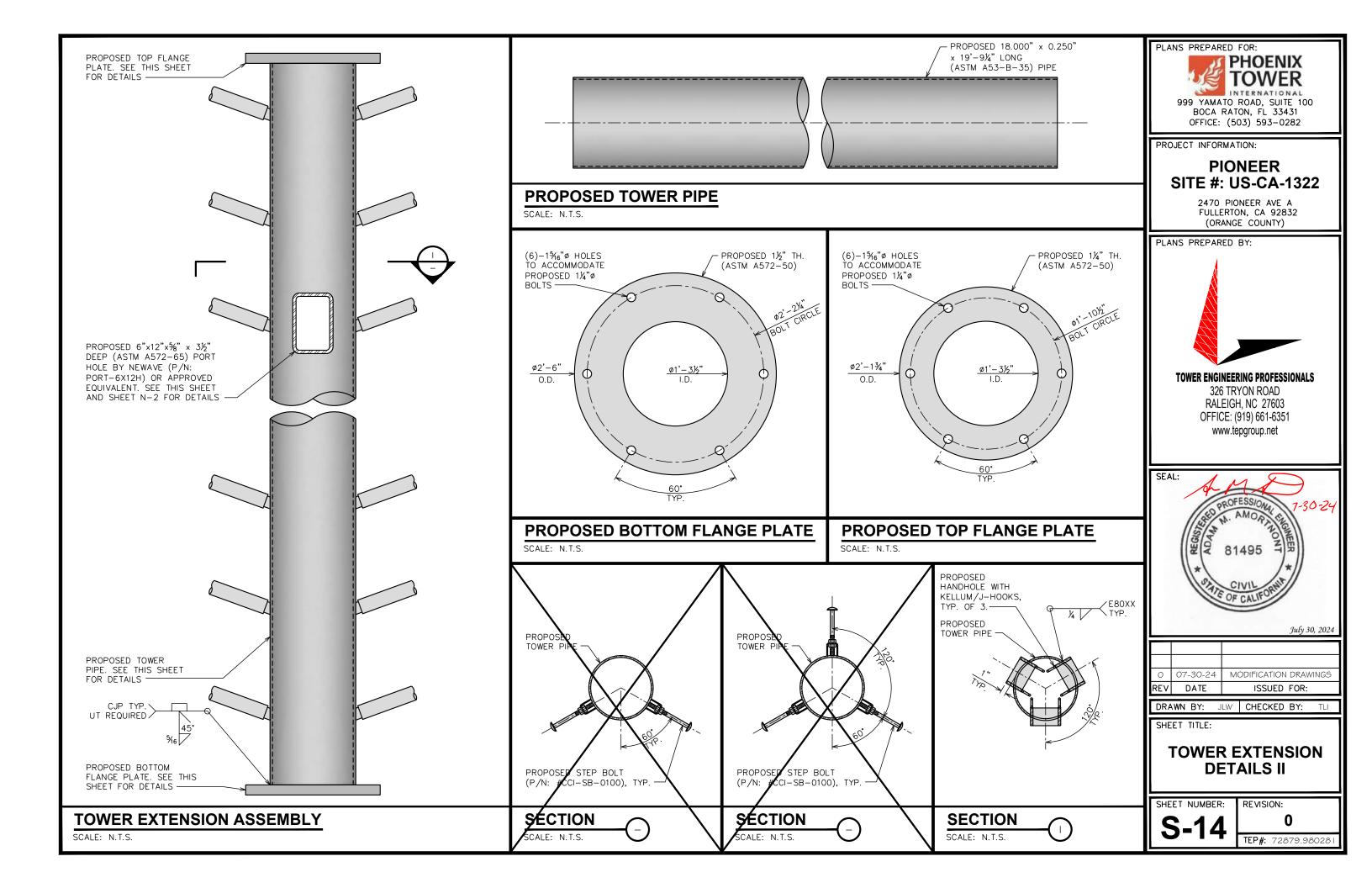
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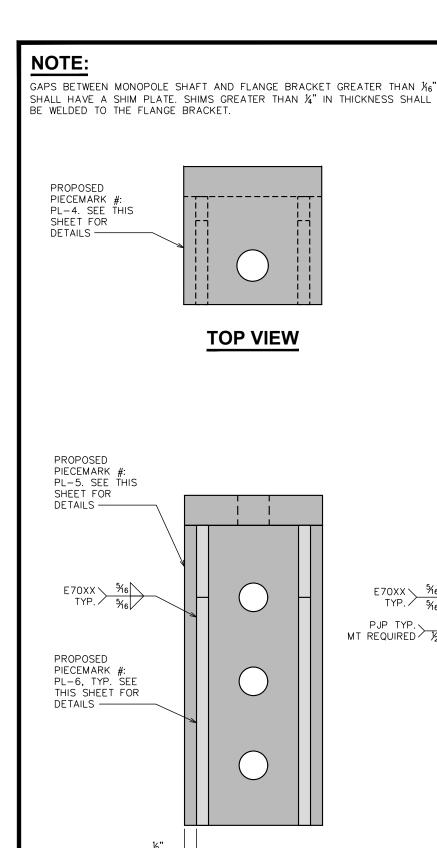
REVISION

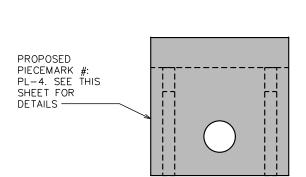
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MICRO-PILE DETAILS

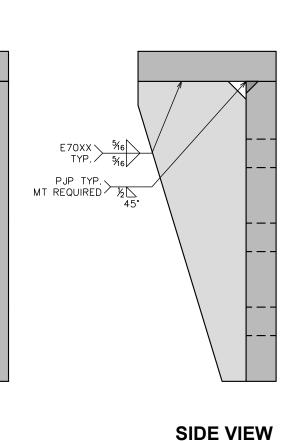


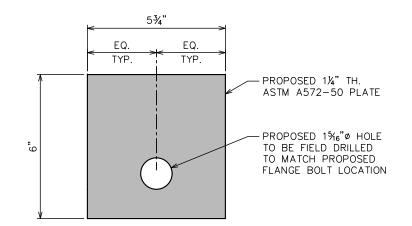




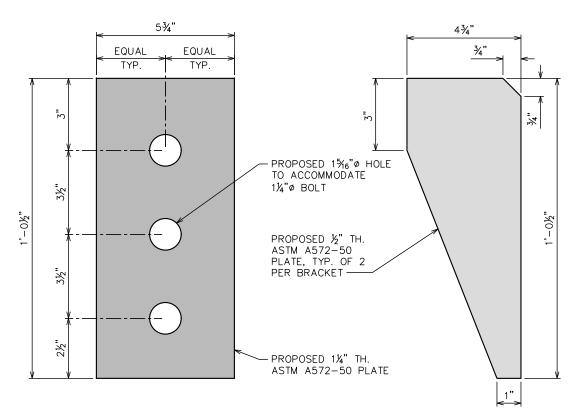


TOP VIEW





PIECEMARK#: PL-4



PIECEMARK#: PL-5

PIECEMARK#: PL-6

PLANS PREPARED FOR: **PHOENIX TOWER** INTERNATIONAL

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PROJECT INFORMATION:

PIONEER SITE #: US-CA-1322

2470 PIONEER AVE A FULLERTON, CA 92832 (ORANGE COUNTY)

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FLANGE BRACKET DETAILS

SHEET NUMBER:

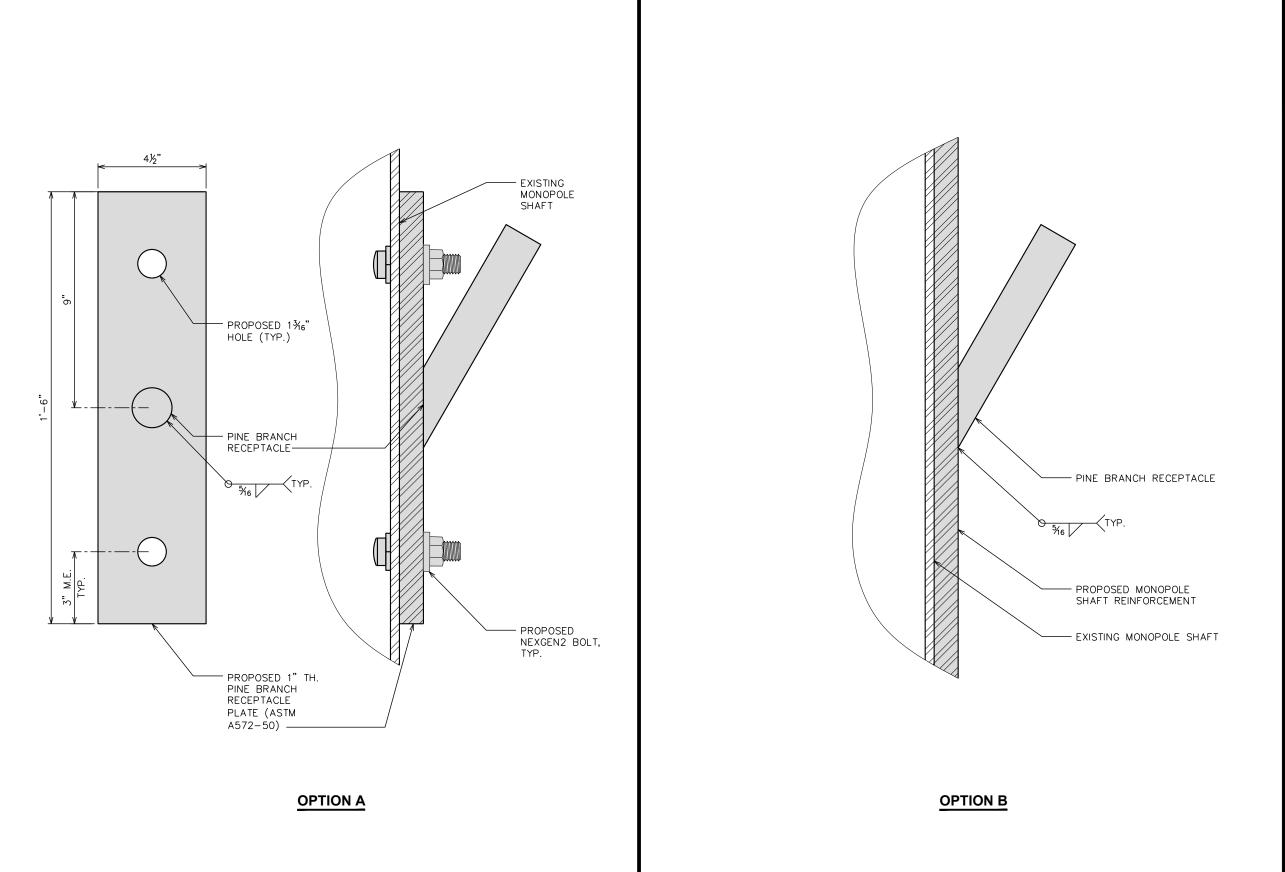
REVISION:

BOLT-ON FLANGE BRACKET ASSEMBLY

FRONT VIEW

SCALE: N.T.S.

BOLT-ON FLANGE BRACKET DETAILS



PLANS PREPARED FOR:

PHOENIX
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OFFICE: (503) 593-0282

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SHEET TITLE

REPLACEMENT BRANCH RECEPTACLE

SHEET NUMBER:

.........



5401 S. CANADA PLACE TUCSON, AZ 85706 PH: (520) 663-1330

LACE



PHOENIX TOWER

INTERNATIONAL

JOB #: 24-523



DATE: 7/16/24

DESIGNED: DGC DRAFTER: DGC

REVISIONS

REV DATE DESCRIPTION

1 7/23/24 MOUNT DEPICTION

PIONEER

SITE #: US-CA-1322 REBRANCHING OF EXISTING 60'-0" MONOPINE

CELL TREES, INC. Job:

24-523

LOCATION:

2470 PIONEER AVE FULLERTON, CA 92832 ORANGE COUNTY

DRAWING INDEX

MP-1 TITLE SHEET

MP-2 ELEVATION VIEW & EPA VALUES MP-3 BRANCH LAYOUT & RECEIVER

IIILE SHEEI
PIONEER
SITE #: US-CA-1322
REBRANCHING OF EXISTING 60'-0" MONOPINE



A1212-1042-241

MP-1

1



JOB NO.: A1212-1042-241

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PROJECT: Pioneer

Branch Layout

Eff. Area Factor:	0.82		
C _A Factor:	0.6		
Bott. Branch Elev. [ft]:			
Top of Steel Elev. [ft]:	60		

Branch Layout Along Pole:

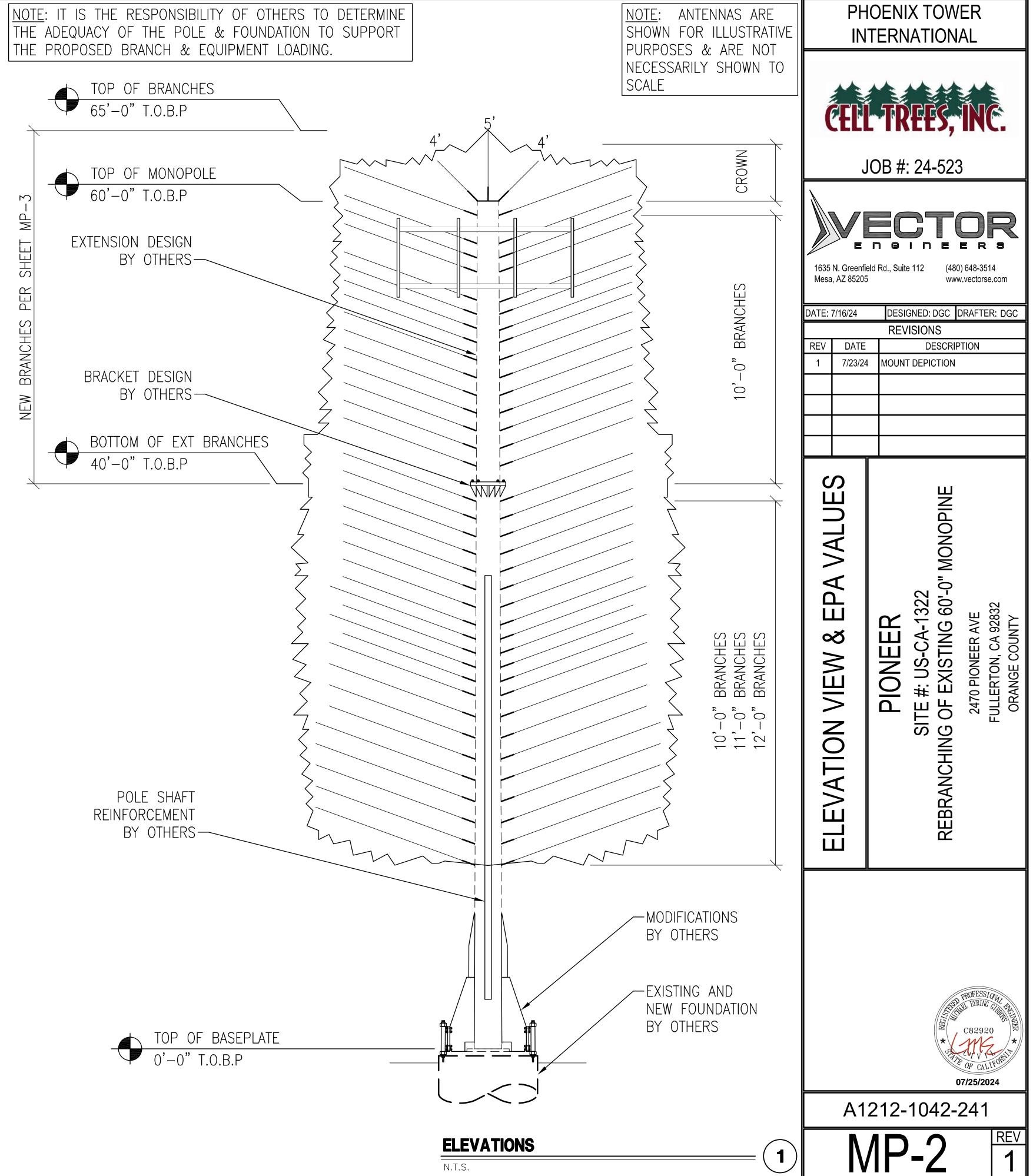
		Elevation		Branch	Total Wt.		Wind Area	
Branch Length [ft]	Qty	Start [ft]	Stop [ft]	Wt. [lbs]	[lbs]	Gross [ft ²]	Eff. [ft ²]	C _A A _E [ft ²]
10	19	51.7	60.0	42	798	177.8	145.5	87.3
10	19	43.5	51.7	42	798	177.8	145.5	87.3
10	19	35.2	43.5	42	798	177.8	145.5	87.3
10	18	27.4	35.2	42	756	168.4	137.8	82.7
12	17	20.0	27.4	154	2618	188.7	154.4	92.6
12	16	13.0	20.0	154	2464	177.6	145.3	87.2
	•	•		Total (lbs):	8232			

Antenna Branches:

Branch Length [ft]	Qty	Elev. [ft]	Weight	C _A A _E [ft ²]
2	48	58	480	43.9
4	6	58	138	11.0
4	6	54	138	11.0

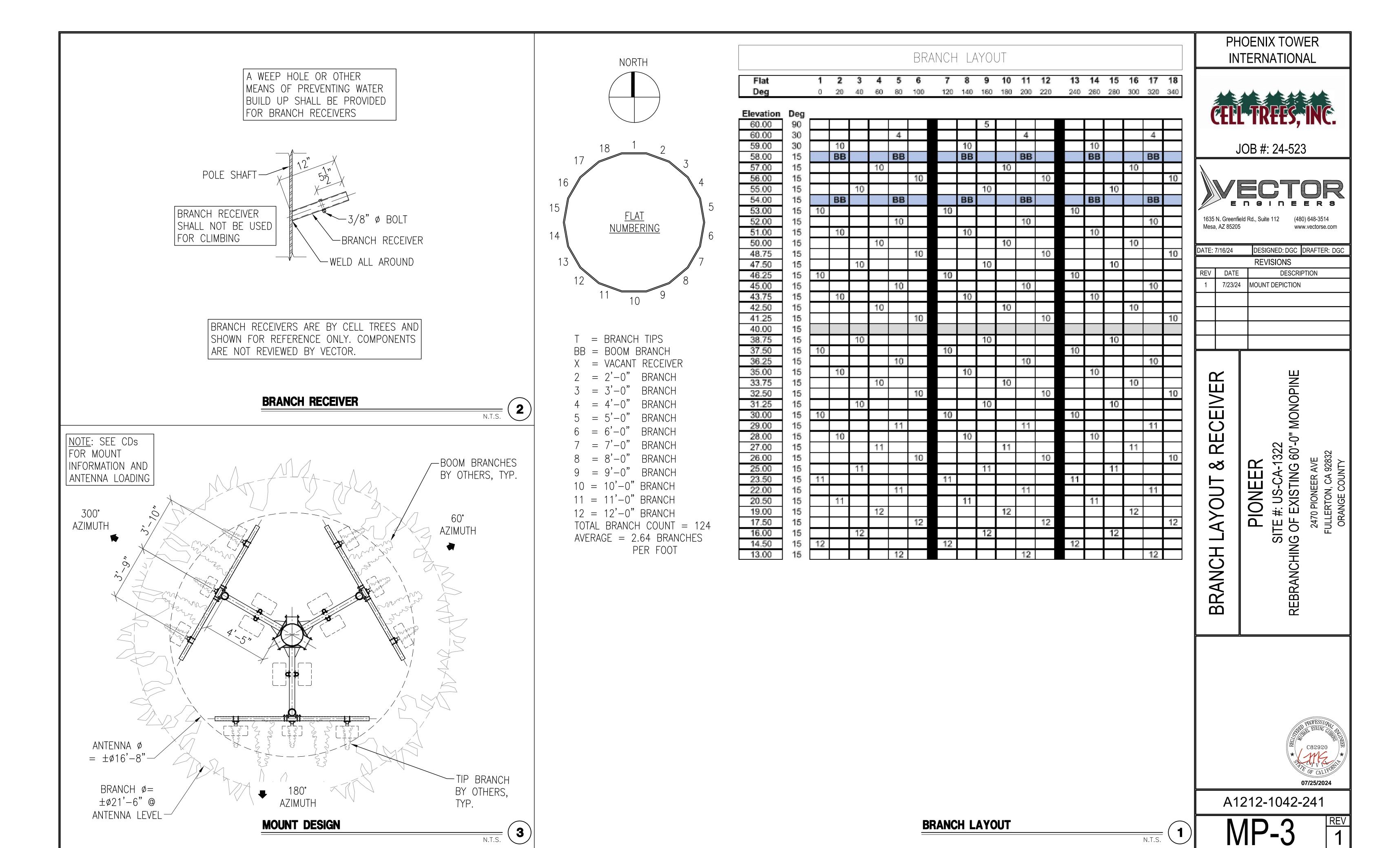
Top Crown:

Branch Length [ft]	Qty	Weight	Total Wt.	Total C _A A _E	
5	1	24	93	19.28	
4	3	69		19.20	



2

BRANCH EPA VALUES



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