



# WA6659 GOOD SAMARITAN

LTE 1C RRH SWAP

407 14TH AVE SOUTHEAST

PUYALLUP, WA 98371

FA#: 10029581

PACE JOB#: MRWOR073518, MRWOR073334, MRWOR073337, MRWOR073340,  
MRWOR073351, MRWOR073390, MRWOR073493, MRWOR073498

PRCTI20240294

City of Puyallup  
Development  
Engineering  
APPROVED

See permit  
conditions.

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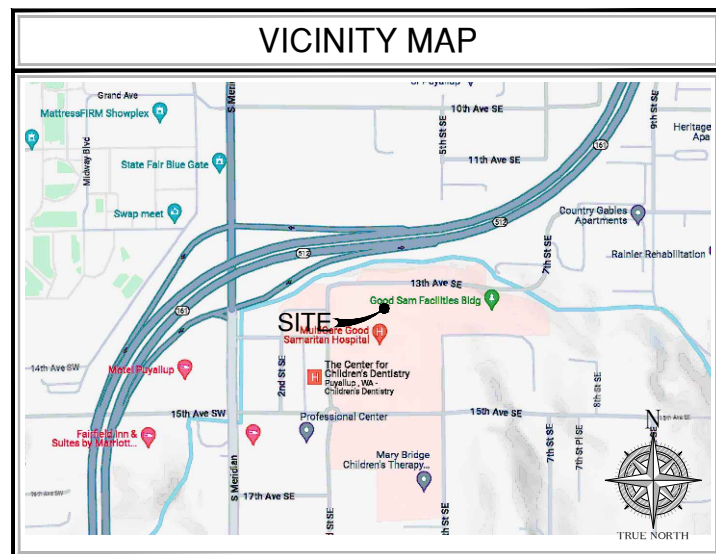
LAND SURVEYING  
ENGINEERING  
ARCHITECTURE  
DRONE INSPECTION  
REAL ESTATE SERVICES



RFDS V1.00 DATED: 02/29/2024

## WA6659 GOOD SAMARITAN

407 14TH AVE SOUTHEAST  
PUYALLUP, WA 98371  
PIERCE COUNTY



### PROJECT DESCRIPTION

- ANTENNA WORK (ROOFTOP):**
- ADD:**
- (3) ANTENNA WALL MOUNTS (PER STRUCTURAL)
  - (3) ANTENNA MOUNTING PIPES (PER STRUCTURAL)
  - (6) 5G ANTENNA/RADIO (2 PER SECTOR)
  - (12) RRH UNITS (4 PER SECTOR)
  - (3) DC9 SURGE SUPPRESSION UNITS (1 PER SECTOR)
  - (3) FIBER TRUNKS, (6) DC TRUNKS
- REMOVE:**
- (12) RRH UNITS (4 PER SECTOR)
  - (6) FIBER TRUNKS, (6) DC TRUNKS
  - (2) FC12 DISTRIBUTION UNITS
  - (9) DC2 SURGE SUPPRESSION UNITS (3 PER SECTOR)
- REMAIN:**
- (6) PANEL ANTENNAS (2 PER SECTOR)
- EQUIPMENT WORK (ROOFTOP):**
- ADD:**
- (1) POWER CABINET W/ POWER PLANT & (12) BATTERIES
  - (1) BATTERY CABINET W/ (8) BATTERIES
  - (1) PURCELL FLX42 LTE CABINET
- REMOVE:**
- (1) OUTDOOR ARGUS POWER CABINET W/ BATTERIES
  - (1) OUTDOOR PURCELL CABINET
  - (1) OUTDOOR BBU CABINET
  - (1) OUTDOOR UMTS CABINET
  - (3) FC12 DISTRIBUTION UNITS
- REMAIN:**
- (1) AT&T POWER PANEL
  - (2) HOFFMAN FIBER BOX
  - (1) TECH LIGHT
  - (3) GPS ANTENNA
  - (1) GENERATOR PLUG
  - (1) TRANSFORMER

### PROJECT CONTACTS

**APPLICANT/LESSEE:**  
NEW CINGULAR WIRELESS PCS, LLC (AT&T)  
7277 164TH AVE NE  
REDMOND, WA 98052

**PROPERTY OWNER:**  
MULTICARE HEALTH SYSTEM  
P.O. BOX 5299  
MS 737-4-FSAD  
CONTACT: TBD  
PHONE: TBD

**PROJECT CONSULTANT:**  
RYKA LAND SERVICES  
7525 SE 24TH ST, SUITE 100  
MERCER ISLAND, WA 98040  
PHONE: (206) 523-1941

**SITE ACQUISITION/PERMITTING:**  
SMARTLINK GROUP  
10 CHURCH CIRCLE  
ANNAPOLIS, MD 21401  
CONTACT: HEATHER HARRISON  
PHONE: (206) 240-3009  
EMAIL: heather.harrison@smartlinkgroup.com

**CONSTRUCTION MANAGER:**  
MASTEC NETWORK SOLUTIONS  
22263 68TH AVENUE SOUTH  
KENT, WA 98032  
CONTACT: RON EVENSON  
EMAIL: RON.EVENSON@MASTEC.COM

**PROJECT ENGINEER:**  
RYKA LAND SERVICES  
7525 SE 24TH ST, SUITE 100  
MERCER ISLAND, WA 98040  
CONTACT: RYAN MCDANIEL, P.E.  
PHONE: (206) 523-1941

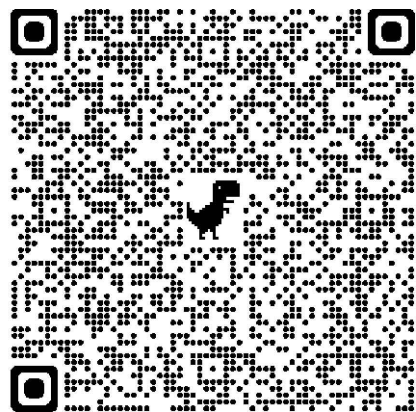
**PROJECT MANAGER:**  
NEW CINGULAR WIRELESS PCS, LLC (AT&T)  
7277 164TH AVE NE  
REDMOND, WA 98052  
CONTACT: WENDY LONG  
PHONE: (206) 321-1116  
EMAIL: WL729K@att.com

### 100% CONSTRUCTION DRAWINGS

#### DRAWING INDEX

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A-2	PARTIAL ROOFTOP PLAN
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A-5	PROPOSED ANTENNA CONFIGURATION
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### DRIVING DIRECTIONS



### SITE INFORMATION

**CODE INFORMATION:**  
ZONING CLASSIFICATION: MEDICAL (MED)  
BUILDING CODE: 2018 IBC  
CONSTRUCTION TYPE: II-B  
OCCUPANCY: U, S-2  
JURISDICTION: CITY OF PUYALLUP  
PROPOSED BUILDING USE: UNMANNED TELECOMMUNICATIONS FACILITY

**SITE LOCATION:**  
LATITUDE: 47° 10' 46.20" N (47.1795000°)  
LONGITUDE: 122° 17' 26.01" W (-122.290558°)  
TOP OF STRUCTURE (AGL): ±94'-1" AGL (TOP OF EXISTING PENTHOUSE)  
BASE OF STRUCTURE (AMSL): ±134.0' (AT ASSUMED AVERAGE GRADE)

**PARCEL NUMBER:** 9810000014, 9810000015, 9810000016  
**PARCEL AREA:** 3.90 ACRES (±169,884 SQ. FT.), 6.56 ACRES (±285,754 SQ. FT.), 0.05 ACRES (±2,178 SQ. FT.)

**GENERAL INFORMATION:**  
1. PARKING REQUIREMENTS ARE UNCHANGED  
2. TRAFFIC IS UNAFFECTED  
3. SIGNAGE IS NOT PROPOSED

Please update the plan set to conform to the 2021 IBC. [1032 PLAN SET]

DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALES SHOWN ON PLANS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE ENGINEER AND CARRIER OF ANY ERRORS OR OMISSIONS.

### APPROVAL/SIGN OFF

CONSULTANT GROUP SIGN OFF	DATE	SIGNATURE	AT&T SIGN OFF	DATE	SIGNATURE
CONSTRUCTION MANAGER			RF ENGINEER		
LANDLORD'S REPRESENTATIVE			INTERCONNECT		
PROJECT MANAGER			OPERATIONS		
SITE ACQUISITION			COMPLIANCE		
PERMITTING			CONSTRUCTION MANAGER		
ZONING			PROJECT MANAGER		

REVIEWERS SHALL CLEARLY PLACE INITIALS ADJACENT TO EACH REDLINE NOTE AS DRAWINGS ARE BEING REVIEWED

### LEGAL DESCRIPTION

SEE A-1 FOR LEGAL DESCRIPTION

TITLE  
TITLE SHEET

SHEET

T-1

PROPRIETARY INFORMATION:  
THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO AT&T MOBILITY SERVICES IS STRICTLY PROHIBITED.



**LIMITS OF LIABILITY:**

RYKA CONSULTING HAS MADE EVERY EFFORT TO CREATE COMPLETE AND ACCURATE CONTRACT DOCUMENTS WITH THE BEST INFORMATION AVAILABLE AT THE TIME OF THEIR COMPLETION. CONTRACTORS ARE CAUTIONED THAT MINOR OMISSIONS OR ERRORS IN THE CONTRACT DOCUMENTS MAY OCCUR AND SHALL NOT EXCUSE THE CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THE DOCUMENTS. REFERENCE ADMINISTRATIVE REQUIREMENTS.

**CONTRACT DOCUMENTS:**

- 1. THE CONTRACT DOCUMENTS INCLUDE THE AGENCY APPROVED PROJECT SPECIFICATIONS, PLANS, AND THEIR LATEST REVISIONS, ADDENDA, AND CLARIFICATIONS. THE CONTRACT DOCUMENTS MAY ALSO INCLUDE NETWORK CARRIER STANDARDS FOR INSTALLATION OF TELECOMMUNICATIONS EQUIPMENT.
2. THE CONTRACTOR SHALL KEEP A MINIMUM OF ONE SET OF CONTRACT DOCUMENTS ON FILE IN THE PROJECT OFFICE AT THE JOB SITE. COPIES OF THE PROJECT DOCUMENTS USED BY SITE STAFF SHALL BE UP TO DATE WITH THE PROJECT OFFICE COPY.
3. THE CONTRACTOR SHALL NOTIFY THE PROJECT TEAM OF ANY ERRORS, OMISSIONS, AND INCONSISTENCIES FOUND IN THE CONTRACT DOCUMENTS. THE NOTIFICATION SHALL BE GIVEN BOTH VERBALLY AND IN WRITING WITHIN 24 HOURS OF DISCOVERY.
4. IF AN ERROR OR OMISSION IN THE PROJECT DOCUMENTS REQUIRES RECTIFICATION, THE CONTRACTOR SHALL SUBMIT A PROPOSAL TO THE PROJECT TEAM TO RECTIFY THE ISSUE. THE PROPOSAL MUST BE APPROVED PRIOR TO WORK.
5. THE CONTRACT DRAWINGS ARE PREPARED TO SCALE WITH THE BEST KNOWLEDGE OF THE SITE GIVEN TO RYKA CONSULTING. WHERE DIMENSIONS ARE NOT SHOWN IN THE DRAWINGS, THE CONTRACTOR SHOULD CLARIFY WITH THE PROJECT TEAM WHEN THE INFORMATION IS CRITICAL TO PROPER INSTALLATION.
6. THE CONTRACTOR SHALL DOCUMENT ALL CHANGES AND SUBSTITUTIONS ON THE PROJECT OFFICE COPY OF THE CONTRACT DOCUMENTS.
7. WHEN FABRICATION OF STRUCTURAL ITEMS ARE REQUIRED, IT MAY BE NECESSARY TO SUBMIT SHOP DRAWINGS FOR REVIEW BY RYKA CONSULTING. SEE STRUCTURAL NOTES.
8. DEFERRED SUBMITTALS ARE REQUIRED FOR MATERIALS TO BE PROVIDED BY THE CONTRACTOR. WHERE MATERIALS IN THE PLANS ARE DESIGNATED AS PROVIDED BY CONTRACTOR, THE CONTRACTOR SHALL SUBMIT THE PREFERRED MATERIAL TO THE PROJECT TEAM FOR REVIEW AND APPROVAL PRIOR TO WORK.

**ADMINISTRATIVE REQUIREMENTS:**

- 1. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED (INCLUDING FEES) TO COMPLETE THE WORK DESCRIBED BY THE CONSTRUCTION DOCUMENTS.
2. PRIOR TO BIDDING, THE CONTRACTOR IS RESPONSIBLE FOR REVIEW OF THE PROJECT SITE AND CONTRACT DOCUMENTS TO UNDERSTAND THE DESIGN AND CONDITIONS AFFECTING THE WORK TO BE PERFORMED. ANY ERRORS, OMISSIONS, AND DISCREPANCIES MUST BE SUBMITTED TO THE PROJECT TEAM VERBALLY AND IN WRITING.
3. THE CONTRACTOR SHALL PROVIDE A WARRANTY FOR WORK FOR A PERIOD OF ONE YEAR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL REMEDY ALL FAULTY, INFERIOR, AND/OR IMPROPER MATERIALS, DAMAGED GOODS, AND/OR FAULTY WORKMANSHIP. ALL ROOFING AND WATERPROOFING MUST BE WARRANTED FOR A PERIOD OF TWO YEARS. THE PERIOD BEGINS AT SUBSTANTIAL COMPLETION OF THE PROJECT.
4. THE CONTRACTOR SHALL PROVIDE A COPY OF LICENSE AND INSURANCE TO THE TELECOMMUNICATIONS CARRIER.

**SITE SAFETY:**

- 1. THE CONTRACTOR SHALL PROVIDE OSHA COMPLIANT PROTECTION FOR THE SAFETY OF THE SITE STAFF AT ALL TIMES DURING THE CONSTRUCTION OF THE PROJECT.
2. CONTRACTOR SHALL KEEP GENERAL WORK AREA CLEAN AND HAZARD FREE DURING CONSTRUCTION. SITE SHALL BE LEFT IN CLEAN CONDITION AND FREE FROM DIRT AND DEBRIS. SURFACES SHALL BE CLEANED OF GREASE, PAINT, OR OTHER MATERIALS NOT SPECIFIED IN THE CONSTRUCTION DOCUMENTS.
3. THE CONTRACTOR IS TO PROVIDE PROTECTION FOR ADJOINING PROPERTIES FROM PHYSICAL HARM, NOISE, DUST, DIRT, AND FIRE AS REQUIRED BY THE GOVERNING AGENCIES. THE CONTRACTOR IS RESPONSIBLE FOR REPAIR OF ANY DAMAGE.
4. THE CONTRACTOR IS RESPONSIBLE FOR THE SECURITY OF THE PROJECT SITE AREA.
5. WHERE WORK REQUIRES OPEN HAZARDS TO SITE STAFF, THE HAZARD SHALL BE TEMPORARILY MITIGATED TO OSHA STANDARD UNTIL THE HAZARD IS CLOSED.
6. SEE STRUCTURAL NOTES.

**UTILITY REQUIREMENTS:**

- 1. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH UTILITY AGENCIES PRIOR TO WORK WITH UTILITIES.
2. CONTRACTOR TO LOCATE ALL UTILITIES PRIOR TO WORK.
3. CONTRACTOR TO PROTECT, REPLACE AND/OR REROUTE ANY EXISTING UTILITIES ENCOUNTERED DURING THE COURSE OF WORK.

**SPECIAL CONSIDERATIONS FOR WEATHERPROOFING:**

- 1. ALL PENETRATIONS TO EXISTING STRUCTURES MUST BE SEALED WITH APPROVED WEATHERPROOFING. IF WEATHERPROOFING IS OMITTED, CONTACT THE PROJECT TEAM FOR CLARIFICATION OR PROVIDE A WEATHERPROOFING PROPOSAL FOR APPROVAL.
2. CONTRACTOR SHALL COORDINATE WITH OWNER AND THE EXISTING ROOFING CONTRACTOR OF RECORD FOR ANY AUGMENTATION TO THE ROOF MEMBRANE, AND HAVING THE WORK GUARANTEED UNDER THE ROOFING CONTRACTOR'S EXISTING WARRANTY.

**WORK REQUIREMENTS:**

- 1. ALL WORK MUST BE PERFORMED DURING THE OWNERS PREFERRED HOURS.
2. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
3. ALL WORK PERFORMED ON THE PROJECT SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS. SEE STRUCTURAL NOTES.
4. IF INSPECTION OF WORK IS REQUIRED, THE CONTRACTOR SHALL NOTIFY THE INSPECTION ENTITY 24 HOURS IN ADVANCE OF THE WORK TO BE PERFORMED.
5. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH UTILITY AGENCIES PRIOR TO WORK WITH UTILITIES. REFERENCE UTILITIES SECTION.
6. THE CONTRACTOR SHALL COORDINATE ON-SITE STORAGE WITH OWNER IN ADVANCE OF WORK. PERMITS MAY BE REQUIRED FOR STORAGE ON PUBLIC RIGHT OF WAY.
7. ALL NEW CONSTRUCTION SHALL MATCH EXISTING CONSTRUCTION IN FORM, TEXTURE, FINISH, AND IN MATERIALS EXCEPT AS NOTED IN THE CONSTRUCTION DOCUMENTS.
8. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO PROTECT EXISTING WORK FROM DAMAGE DURING THE COURSE OF WORK FOR THIS PROJECT.
9. THE CONTRACTOR SHALL PROVIDE WORK WHICH IS LEVEL, PLUMB, AND WITHIN TOLERANCES SPECIFIED BY CODES AND STANDARDS INCLUDED IN THE STRUCTURAL NOTES.
10. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO MANUFACTURER'S SPECIFICATIONS UNLESS NOTED OTHERWISE OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.
11. ANY SUBSTITUTIONS OF MATERIALS MUST BE APPROVED BY THE PROJECT TEAM IN WRITING.
12. THE CONTRACTOR SHALL SUPPLY ALL MATERIALS INCIDENTAL TO THE WORK DESCRIBED BY THE CONTRACT DOCUMENTS.
13. THE CONTRACTOR MUST RESTORE ALL PORTIONS OF THE PROJECT SITE TO IT'S PRE-WORK CONDITION. WHERE THE WORK PERFORMED DOES NOT ALLOW FOR PRE-WORK RESTORATION, WORK AREAS MUST BE REPAIRED OR REPLACED TO MATCH EXISTING FINISH AND SITE GRADING.
14. THE CONTRACTOR IS RESPONSIBLE FOR ALL DISPOSAL OF DEBRIS AND ITEMS WHICH ARE SPECIFIED TO BE REMOVED IN THE COURSE OF WORK.

**CAST-IN PLACE CONCRETE:**

- 1. ALL CONCRETE DESIGN DESCRIBED BY THIS SET OF DRAWINGS IS BASED ON ACI 318
2. ALL STRUCTURAL CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4,000 PSI. UNLESS SPECIFIED OTHERWISE.
3. EACH CONCRETE MIX DESIGN SHALL HAVE A CYLINDER TEST HISTORY OF 60 DAYS MINIMUM, TESTED IN ACCORDANCE WITH ASTM C39, TESTED BY AN ACI CERTIFIED STRENGTH TESTING TECHNICIAN, AND THE STRENGTH STATISTICALLY DETERMINED IN ACCORDANCE WITH ACI 318. EACH MIX DESIGN USED ON SITE SHALL BE SUBMITTED TO, AND RECEIVED BY THE PROJECT TEAM BEFORE THE CONCRETE IS PLACED ON SITE.
4. RAW MATERIALS, MANUFACTURE, AND DELIVERY TO THE FORMWORK SHALL BE IN ACCORDANCE WITH ASTM C94 AND ACI 318.
5. EMBEDDED ITEMS ARE TO BE SECURELY FASTENED SO THAT THEY DO NOT MOVE DURING PLACEMENT OF THE CONCRETE. REFERENCE THE REINFORCING STEEL SECTION.
6. TWO CYLINDERS SHALL BE TAKEN FOR EACH LOAD DELIVERED TO THE FORMWORK. SAMPLES ARE TO BE TAKEN FROM THE CONCRETE AS IT IS PLACED IN THE FORMWORK IN ACCORDANCE WITH ASTM C172. CYLINDERS ARE TESTED PER ASTM C39 AND TESTED BY AN ACI CERTIFIED CSTI. CONCRETE SAMPLES ARE TO BE TESTED FOR AIR CONTENT AND WATER CEMENT RATIO. ALL TEST RESULTS ARE SUBMITTED TO THE PROJECT TEAM WITHIN ONE MONTH OF PLACING THE CONCRETE ON SITE.
7. WHEN AMBIENT TEMPERATURES FALL BELOW 55 DEGREES FAHRENHEIT, THE CONTRACTOR SHALL FOLLOW GUIDELINES DESCRIBED IN ACI 306. WHEN AMBIENT TEMPERATURES RISE ABOVE 90 DEGREES FAHRENHEIT, THE CONTRACTOR SHALL FOLLOW GUIDELINES DESCRIBED IN ACI 305. THE CONCRETE SHALL BE PROTECTED FROM FREEZING OR FROM EXCESSIVE HEAT WITH TENTS OR BLANKETS TO PROVIDE FOR HEAT OR MOISTURE LOSS.
8. ALL CONCRETE SHALL BE PLACED AS CLOSE TO PRACTICAL TO THE FINAL DESTINATION IN THE FORM. CONCRETE SHALL NOT BE PLACED FROM A HEIGHT GREATER THAN 6 FEET FROM THE POINT OF DISCHARGE.
9. VIBRATION SHALL BE USED TO CONSOLIDATE CONVENTIONAL CONCRETE. EXTERNAL STINGER VIBRATORS SHALL BE INSERTED VERTICALLY INTO FORMS EVERY 36 INCHES MAXIMUM AND FOR EACH LIFT. STINGER VIBRATORS SHALL BE INSERTED TO A VERTICAL DEPTH OF 12 INCHES INTO PREVIOUS LIFTS TO ENSURE CONSOLIDATION. FOLLOW GUIDELINES USED IN ACI 309R.
10. REPAIRS FOR MINOR DEFECTS MAY BE ADMINISTERED BY AN EXPERIENCED CRAFTSMAN WITHOUT AN APPROVED PROCEDURE. A MINOR DEFECT INCLUDES BUG HOLES, HONEYCOMBING, CHIPS, AND SPALLS THAT DO NOT EXCEED 1/2 INCH OF DEPTH INTO THE FACE OF THE CONCRETE. MAJOR REPAIRS EXTENDING BEYOND 1/2 INCH OF DEPTH AND UP TO THE REINFORCING MAY BE REPAIRED WITH AN APPROVED REPAIR PROCEDURE. REPAIR PROCEDURES MAY BE SUBMITTED TO THE PROJECT TEAM FOR APPROVAL IN ADVANCE OF FIELD WORK. DAMAGE EXTENDING BEYOND STEEL REINFORCING REQUIRES A RETROFIT DESIGN OR IS REJECTED.

- 11. SEE ARCHITECTURAL NOTES FOR CONCRETE FINISH REQUIREMENTS

**EXISTING STRUCTURES:**

- 1. THE EXISTING FRAMING IS REPRODUCED FROM THE LATEST INFORMATION PROVIDED. SOME FRAMING AND MATERIALS ENCOUNTERED AT THE TIME OF CONSTRUCTION MAY VARY FROM THAT SHOWN IN THE PLANS. IF THE PLAN CONDITION VARIES FROM THE AS-BUILT CONDITION, THE CONTRACTOR SHOULD CONSULT THE PROJECT TEAM FOR A REVISED DETAIL OR DIRECTION TO PROCEED.

**ABBREVIATIONS:**

Table with 2 columns: Abbreviation and Full Name. Includes terms like A/C AIR CONDITIONING, AGI ABOVE GROUND LEVEL, AMSL ABOVE MEAN SEA LEVEL, APPROX APPROXIMATELY, AWG AMERICAN WIRE GAGE, BCW BARE COPPER WIRE, BLDG BUILDING, BLK BLOCKING, CLR CLEAR, COAX COAXIAL CABLE, CONC CONCRETE, CONST CONSTRUCTION, CONT CONTINUOUS, DIA DIAMETER, DWG DRAWING, EA EACH, ELEV ELEVATION, ELEC ELECTRICAL, EQ EQUAL, EQUIP EQUIPMENT, EXT EXTERIOR, FIN FINISH, FLUOR FLUORESCENT, FLR FLOOR, FT FOOT, FRP FIBER-REINFORCED POLYMER, GA GAUGE, GALV GALVANIZED, GC GENERAL CONTRACTOR, GPS GLOBAL POSITIONING SYSTEM, GRND GROUND, HRZ HORIZONTAL, HR HOUR, HT HEIGHT, HVAC HEATING VENTILATION AIR CONDITIONING, ID INSIDE DIAMETER, IN INCH, INFO INFORMATION, INSUL INSULATION, INT INTERIOR, IBC INTERNATIONAL BUILDING CODE, LBS POUNDS, LMU LOCATION MEASUREMENT UNIT, LTE LONG TERM EVOLUTION, MAX MECH MAXIMUM MECHANICAL, MTL METAL, MFR MANUFACTURE MANAGER, MGR MINIMUM, MIN MISCELLANEOUS, NA NOT APPLICABLE, NIC NOT IN CONTRACT, NTS NOT TO SCALE, OC ON CENTER, OD OUTSIDE DIAMETER, PLYWD PLYWOOD, PROJ PROJECT, PROP PROPERTY, POS POSITION, PT PRESSURE TREATED, REQ REQUIRED, RF RADIO FREQUENCY, RM ROOM, RO ROUGH OPENING, RRH REMOTE RADIO HEAD, RRU REMOTE RADIO UNIT, SHT SHEET, SIM SIMILAR, SPEC SPECIFICATION, SF SQUARE FOOT, SS STAINLESS STEEL, STL STEEL, STRUCT STRUCTURAL, STD STANDARD, SUSP SUSPENDED, THRU THROUGH, TMA TOWER MOUNTED AMPLIFIER, TNNG TINNED, TYP TYPICAL, UNO UNLESS NOTED OTHERWISE, VERT VERTICAL, VIF VERIFY IN FIELD, WIF WITH, W/O WITHOUT, WP WATER PROOF

**CONCRETE SLABS ON GRADE:**

- 1. SLAB-ON-GRADE CONSTRUCTION SHALL BE SUPPORTED ON A 6 INCH LAYER OF CLEAN 3/4 INCH MINUS SUBGRADE COMPACTED TO A DENSITY OF NO LESS THAN 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D-1557). SUBGRADE SHALL BE SUPPORTED ON UNDISTURBED NATIVE SOIL OR PROPERLY PLACED AND COMPACTED STRUCTURAL FILL.
2. INTERIOR SLABS-ON-GRADE SHALL BE CAST OVER A 4 MIL VAPOR BARRIER.
3. PROVIDE CONTROL JOINTS IN ALL SLABS ON GRADE. JOINTS ARE TO BE INSTALLED AT 14 TO 16 FEET ON CENTER EACH WAY MAXIMUM UNLESS SHOWN OTHERWISE ON THE DRAWINGS. ALL SAW CUT JOINTS IN CONCRETE SLABS ARE TO BE MADE WITH AN EARLY CUT SAW AS SOON AS POSSIBLE AFTER POURING BUT NO LATER THAN ONE HOUR AFTER FINISHING.
4. PROVIDE ISOLATION JOINTS AROUND ALL COLUMNS/SPREAD FOOTINGS. JOINTS SHALL BE FORMED BY INSERTING PREFORMED JOINT FILLER FOR THE FULL DEPTH OF THE SLAB.
5. PROTECT CONCRETE FROM DAMAGE OR REDUCED STRENGTH DUE TO COLD OR HOT WEATHER IN ACCORDANCE WITH ACI 305 AND 306. CONTRACTOR SHALL TAKE SPECIAL CURING PRECAUTIONS TO MINIMIZE SHRINKAGE CRACKING OF CONCRETE SLABS.
6. THE CONTRACTOR SHALL TAKE CARE THAT HEAVY EQUIPMENT AND AREAS USED FOR STAGING DO NOT DAMAGE SLABS ON GRADE. DAMAGED SLABS ON SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL EXPENSE TO THE OWNER.
7. CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 2,500 PSI. UNLESS SPECIFIED OTHERWISE.

**CONCRETE OR MASONRY ANCHORAGE:**

- 1. EXPANSION BOLTS INTO CONCRETE SHALL BE 'KWIK BOLT TZ' AS MANUFACTURED BY THE HILTI CORP., INSTALLED IN STRICT ACCORDANCE WITH ICC-ES REPORT ESR-1917. SPECIAL INSPECTION IS REQUIRED. EXPANSION ANCHORS EXPOSED TO WEATHER SHALL BE STAINLESS STEEL.

**REINFORCING STEEL:**

- 1. ALL DETAILING, FABRICATION, AND PLACEMENT OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH THE ACI MANUAL OF CONCRETE PRACTICE.
2. REINFORCING BARS SHALL BE DEFORMED AND CONFORM TO ASTM A615 OR A706, GRADE 60. REINFORCING TIE WIRE MAY BE GRADE 40.
3. REINFORCING STEEL SPLICES SHALL BE 40 BAR DIAMETERS OR TWO TRANSVERSE WIRE SPACINGS FOR WIRE MATS.
4. MINIMUM CONCRETE PROTECTION FOR REINFORCEMENT SHALL BE IN ACCORDANCE WITH ACI 318.
5. NO.5 OR LARGER REINFORCING BARS SHALL NOT BE RE-BENT WITHOUT APPROVAL BY THE STRUCTURAL ENGINEER.
6. WELDING OF REBAR IS NOT ALLOWED WITHIN THE MIDDLE THIRD OF THE BAR LENGTH. WELDING OF REBAR IS CONDUCTED IN ACCORDANCE WITH AWS D1.4. USE ONLY ASTM A706 REINFORCING.
7. WIRE REINFORCING CONFORMS TO ASTM A82 OR A185.
8. CONCRETE COVER FOR REINFORCING STEEL CONFORMS TO ACI 318.

**LEGEND:**

Legend symbols and descriptions: SUBJECT BOUNDARY LINE, ADJACENT BOUNDARY LINE, SECTIONAL BREAKDOWN LINE, RIGHT-OF-WAY CENTERLINE, RIGHT-OF-WAY LINE, COAX COAXIAL CABLE LINE, FIBER FIBER OPTIC CABLE LINE, OHP OVERHEAD POWER LINE, OHT OVERHEAD TELEPHONE LINE, UGP BURIED POWER LINE, GAS BURIED GAS LINE, UGT BURIED TELEPHONE LINE, W BURIED WATER LINE, SS BURIED SANITARY SEWER, SD BURIED STORM DRAIN, DITCH LINE/FLOW LINE, VEGETATION LINE, CHAIN LINK FENCE, WOOD FENCE, BARBED WIRE/WIRE FENCE, TRANSFORMER, LIGHT STANDARD, POWER VAULT, UTILITY BOX, UTILITY POLE, POLE GUY WIRE, GAS VALVE, GAS METER, TELEPHONE VAULT, TELEPHONE-RISER, FIRE HYDRANT, GATE VALVE, WATER METER, FIRE STAND PIPE, CATCH BASIN, TYPE I, CATCH BASIN, TYPE II, SIGN, BOLLARD, MAIL BOX, SPOT ELEVATION, REVISION, GRID REFERENCE, DETAIL REFERENCE, ELEVATION REFERENCE, SECTION REFERENCE



LAND SURVEYING, ENGINEERING, ARCHITECTURE, DRONE INSPECTION, REAL ESTATE SERVICES

RFDS V1.00 DATED: 02/29/2024
WA6659
GOOD SAMARITAN
407 14TH AVE SOUTHEAST
PUYALLUP, WA 98371
PIERCE COUNTY

Table with 4 columns: REV. DATE DESCRIPTION BY. Includes entries for 03/25/24, 04/30/24, and 06/31/24.



TITLE GENERAL NOTES

SHEET G-1

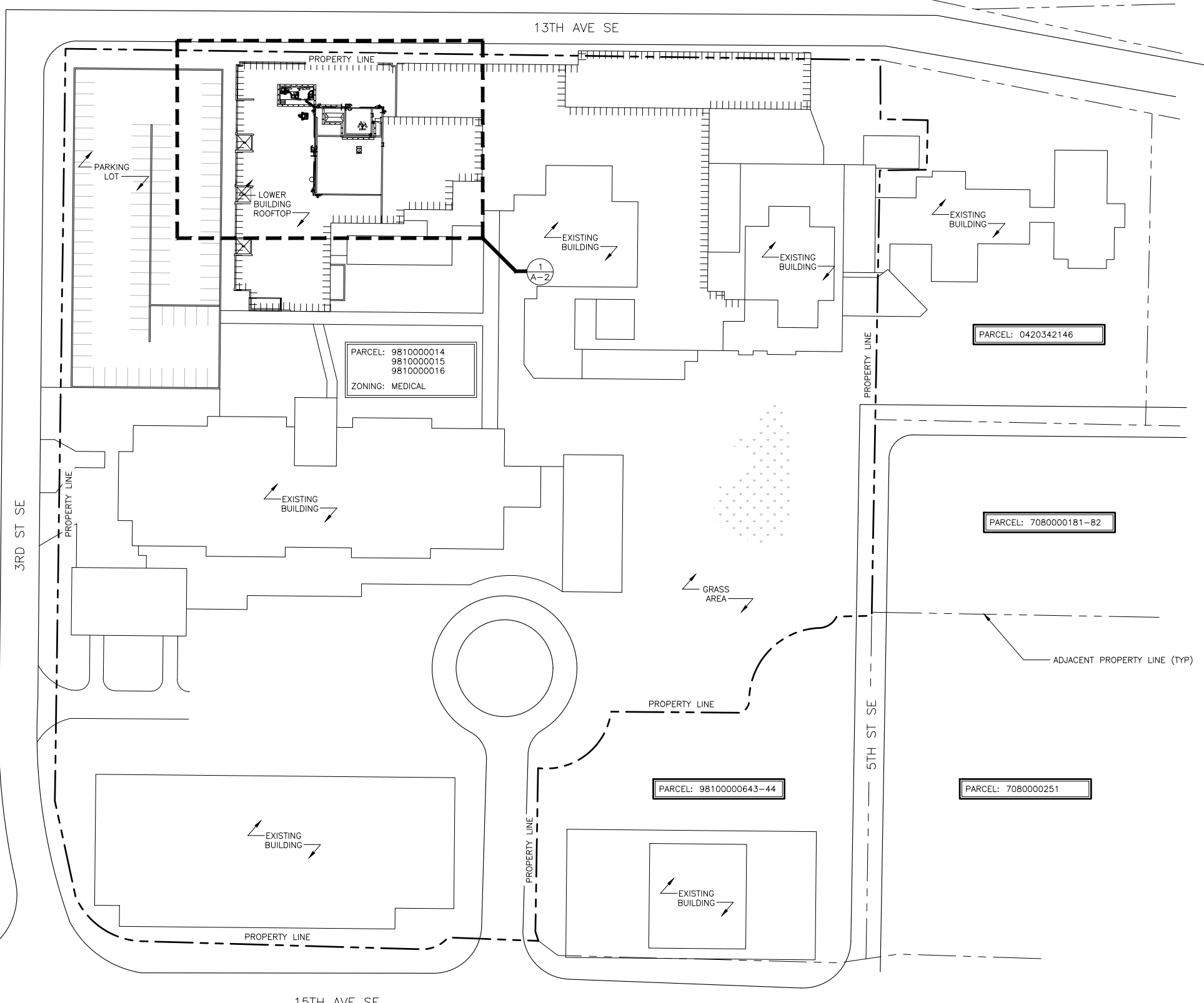
PROPRIETARY INFORMATION: THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO AT&T MOBILITY SERVICES IS STRICTLY PROHIBITED.

Know what's below. CALL before you dig.
811
DIG ALERT
washington811.com
CALL AT LEAST TWO WORKING DAYS BEFORE YOU DIG



**LEGAL DESCRIPTION:**  
 SECTION 34 TOWNSHIP 20 RANGE 04 QUARTER 23 WOODS 1ST CANNOT BE SOLD OR SUBD WITHOUT 001-4 & 001-5 LOT 1 OF BLA 2010-06-15-5001 DESC AS BEG AT A PT 30 FT E & 151.05 FT N OF INTER OF 15TH AV SE & 3RD ST SE TH N 322.08 FT TH N 305.27 FT TH E 692.45 FT TH S 78 DEG 58 MIN 52 SEC E 0.44 FT TH S 49.97 FT TH E 40.98 FT TH S 43.29 FT TH N 41.04 FT TH S 181.78 FT TH W 30 FT TH S 196.6 FT TO BEG CURVE CONCAVE TO NW HAVING A RAD OF 19.5 FT & C/A OF 59 DEG 50 MIN 20 SEC & BEING SUBTENDED BY A CHORD WHICH BEARS S 56 DEG 53 MIN 05 SEC W 19.45 FT TH SWLY & WLY ALG SD CURVE 20.37 FT TO PT OF REVERSE CURV TH WLY & SWLY & SLY 90.9 FT CONCAVE TO SE HAVING A RAD OF 60.5 FT & C/A OF 86 DEG 05 MIN 15 SEC TH S 3.26 FT TH SLY, SWLY & WLY 14.92 FT ALG CURVE CONCAVE TO NW HAVING A RAD OF 9.5 FT & C/A OF 89 DEG 59 MIN 59 SEC TH W 107.24 FT TO BEG OF CURVE CONCAVE TO NW HAVING A RAD OF 55.98 FT & C/A OF 81 DEG 57 MIN 04 SEC & BEING SUBTENDED BY CHORD WHICH BEARS S 49 DEG 34 MIN 17 SEC W 73.42 FT TH SLY, SWLY & WLY ALG SD CURVE 80.07 FT TH W 6.43 FT TH S 131.8 FT TH SLY & SLY 14.27 FT ALG SD CURVE CONCAVE TO E HAVING A RAD OF 25 FT & C/A OF 32 DEG 42 MIN 11 SEC TH N 88 DEG 06 MIN 01 SEC W 77.46 FT TO BEG OF CURVE CONCAVE TO N HAVING A RAD OF 40 FT & C/A OF 43 DEG 31 MIN 52 SEC & BEING SUBTENDED BY CHORD WHICH BEARS S 70 DEG 08 MIN 03 SEC W 29.66 FT TH SWLY & WLY ALG SD CURVE 30.39 FT TH N 88 DEG 06 MIN 01 SEC W 238.87 FT TO BEG OF A CURVE CONCAVE TO NE HAVING A RAD OF 63 FT & C/A OF 65 DEG 47 MIN 29 SEC & BEING SUBTENDED BY CHORD WHICH BEARS N 48 DEG 11 MIN 19 SEC W 68.43 FT TH WLY, NWLY & NLY ALG SD CURVE 72.34 FT TH N 12 DEG 28 MIN 32 SEC W 81.31 FT TO POB EXC POR DETER TAXABLE & EXC POR DETER EXEMPT PER DOR REG # 01777-001 TOG/W VAC ORD 2958 EASE OF RECORD OUT OF 981000-065-0 SEG 2011-0091 BB 10/11/10 BB DC00354165 5/2/2014 KG

**NOTE:**  
 THIS IS NOT A SITE SURVEY. ALL PROPERTY LINES AND BOUNDARIES ARE TAKEN FROM AN EXISTING PARCEL VIEWER AND ARE APPROXIMATE.



24"x36" SCALE: 1" = 50'-0"  
 11"x17" SCALE: 1" = 100'-0"



PARCEL PLAN 1



**RYKA**  
 LAND SERVICES

LAND SURVEYING  
 ENGINEERING  
 ARCHITECTURE  
 DRONE INSPECTION  
 REAL ESTATE SERVICES

RFDS V1.00 DATED: 02/29/2024

**WA6659**  
**GOOD SAMARITAN**

407 14TH AVE SOUTHEAST  
 PUYALLUP, WA 98371  
 PIERCE COUNTY

**REVISIONS**

REV.	DATE	DESCRIPTION	BY
A	03/25/24	ISSUED FOR 90% CD REVIEW	NJL
B	04/30/24	ISSUED FOR 100% CD REVIEW	NJL
O	05/31/24	ISSUED FOR 100% CONSTRUCTION	RLD

05-31-2024

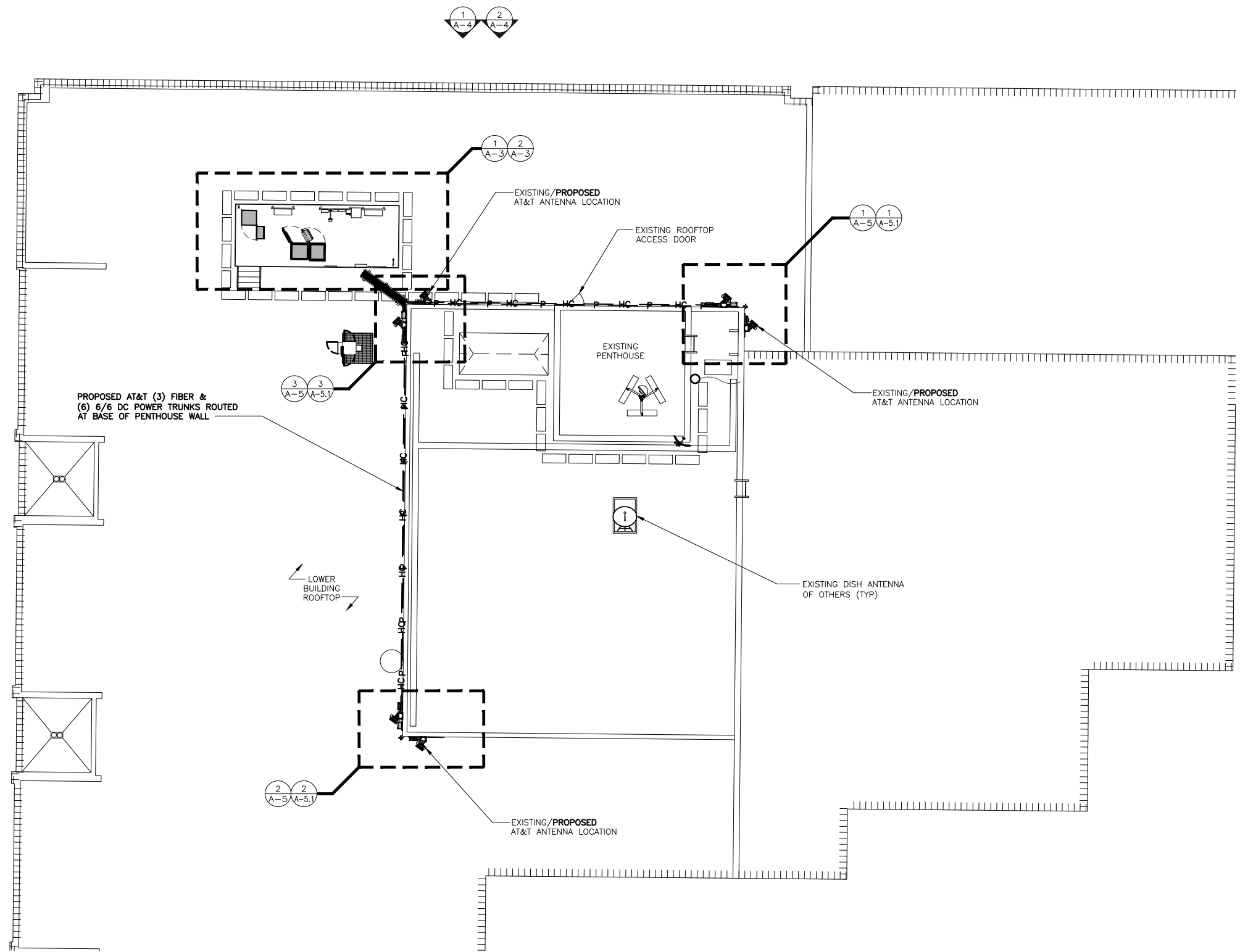
EXPIRES 01-09-2025

TITLE  
 PARCEL PLAN

SHEET  
**A-1**

PROPRIETARY INFORMATION:  
 THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO AT&T MOBILITY SERVICES IS STRICTLY PROHIBITED.

NOTE:  
ONLY PROPOSED AT&T ANTENNA  
CONFIGURATION IS SHOWN IN PLAN  
VIEW FOR CLARITY.



LAND SURVEYING  
ENGINEERING  
ARCHITECTURE  
DRONE INSPECTION  
REAL ESTATE SERVICES



RFDS V1.00 DATED: 02/29/2024

**WA6659**  
**GOOD SAMARITAN**

407 14TH AVE SOUTHEAST  
PUYALLUP, WA 98371  
PIERCE COUNTY

REVISIONS

REV.	DATE	DESCRIPTION	BY
A	03/25/24	ISSUED FOR 90% CD REVIEW	NUL
B	04/30/24	ISSUED FOR 100% CD REVIEW	NUL
0	05/31/24	ISSUED FOR 100% CONSTRUCTION	RLD

05-31-2024

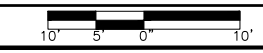


TITLE  
PARTIAL  
ROOFTOP PLAN

SHEET  
**A-2**

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24"x36" SCALE: 1" = 10'-0"  
11"x17" SCALE: 1" = 20'-0"



PARTIAL ROOFTOP PLAN 1





LAND SURVEYING  
ENGINEERING  
ARCHITECTURE  
DRONE INSPECTION  
REAL ESTATE SERVICES



RFDS V1.00 DATED: 02/29/2024

**WA6659**  
GOOD SAMARITAN

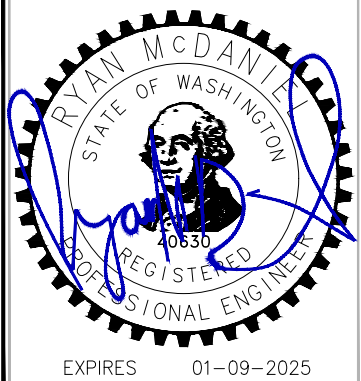
407 14TH AVE SOUTHEAST  
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PIERCE COUNTY



REVISIONS

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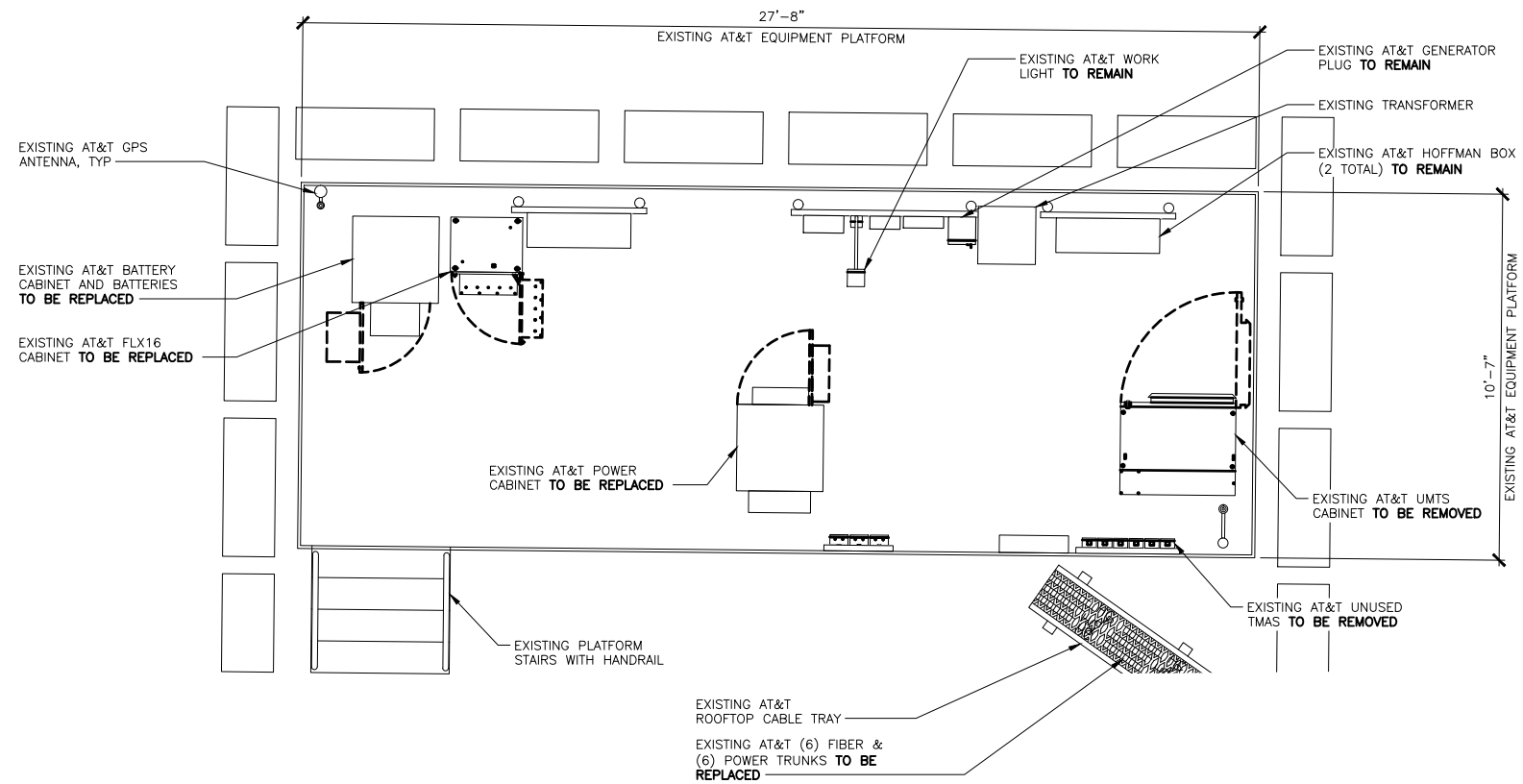


TITLE  
PROPOSED & EXISTING  
EQUIPMENT PLAN

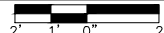
SHEET

**A-3**

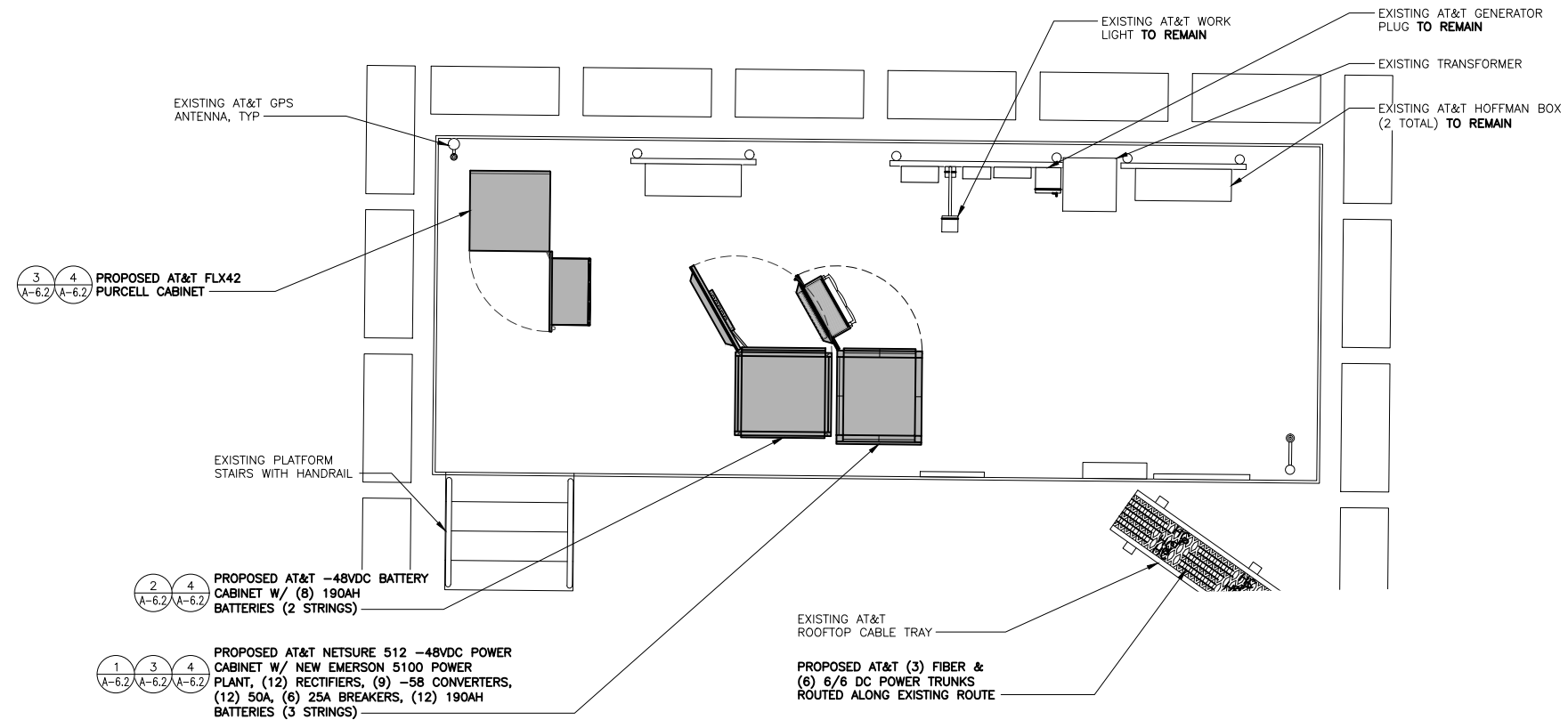
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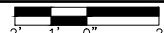
24"x36" SCALE: 3/8" = 1'-0"  
11"x17" SCALE: 3/16" = 1'-0"



EXISTING EQUIPMENT PLAN 2



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



PROPOSED EQUIPMENT PLAN 1





LAND SURVEYING  
ENGINEERING  
ARCHITECTURE  
DRONE INSPECTION  
REAL ESTATE SERVICES



RFDS V1.00 DATED: 02/29/2024

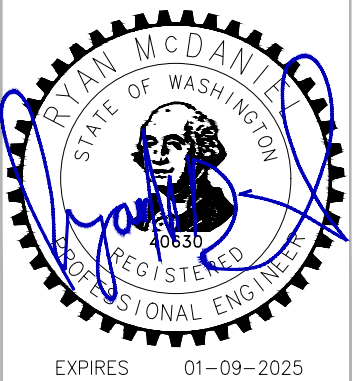
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PUYALLUP, WA 98371  
PIERCE COUNTY

REVISIONS

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05-31-2024

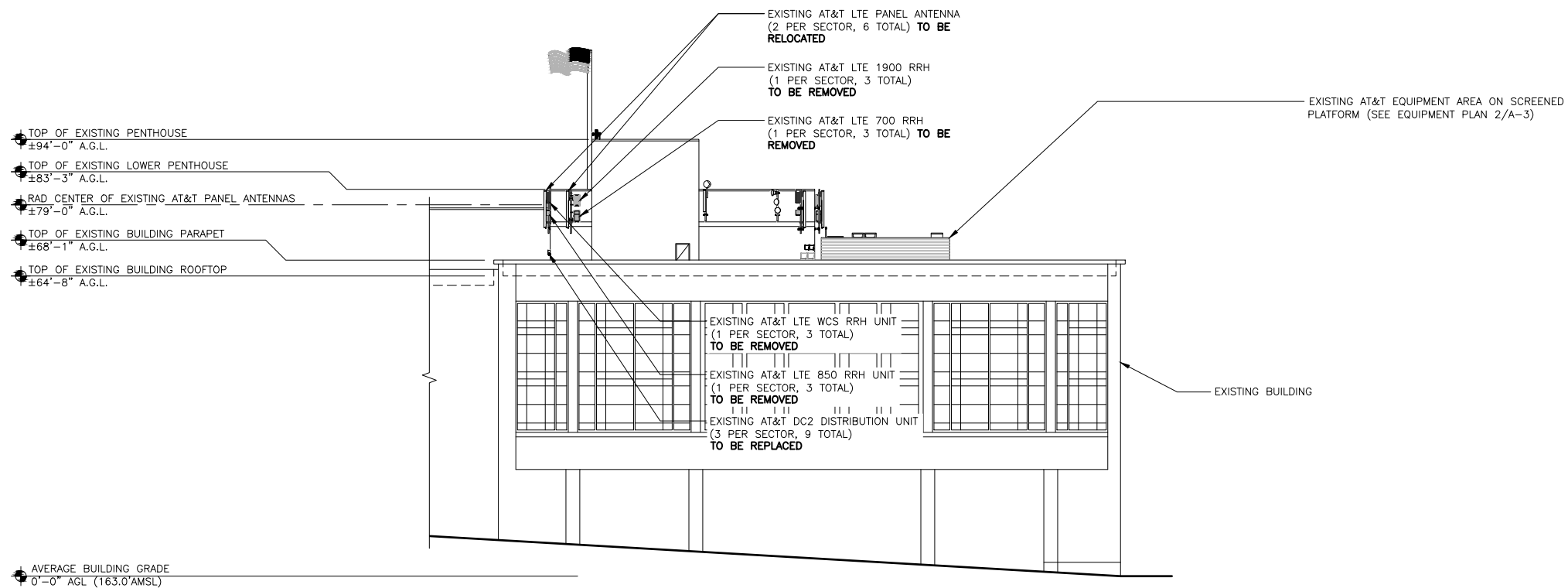


TITLE  
PROPOSED & EXISTING  
NORTH ELEVATION

SHEET

**A-4**

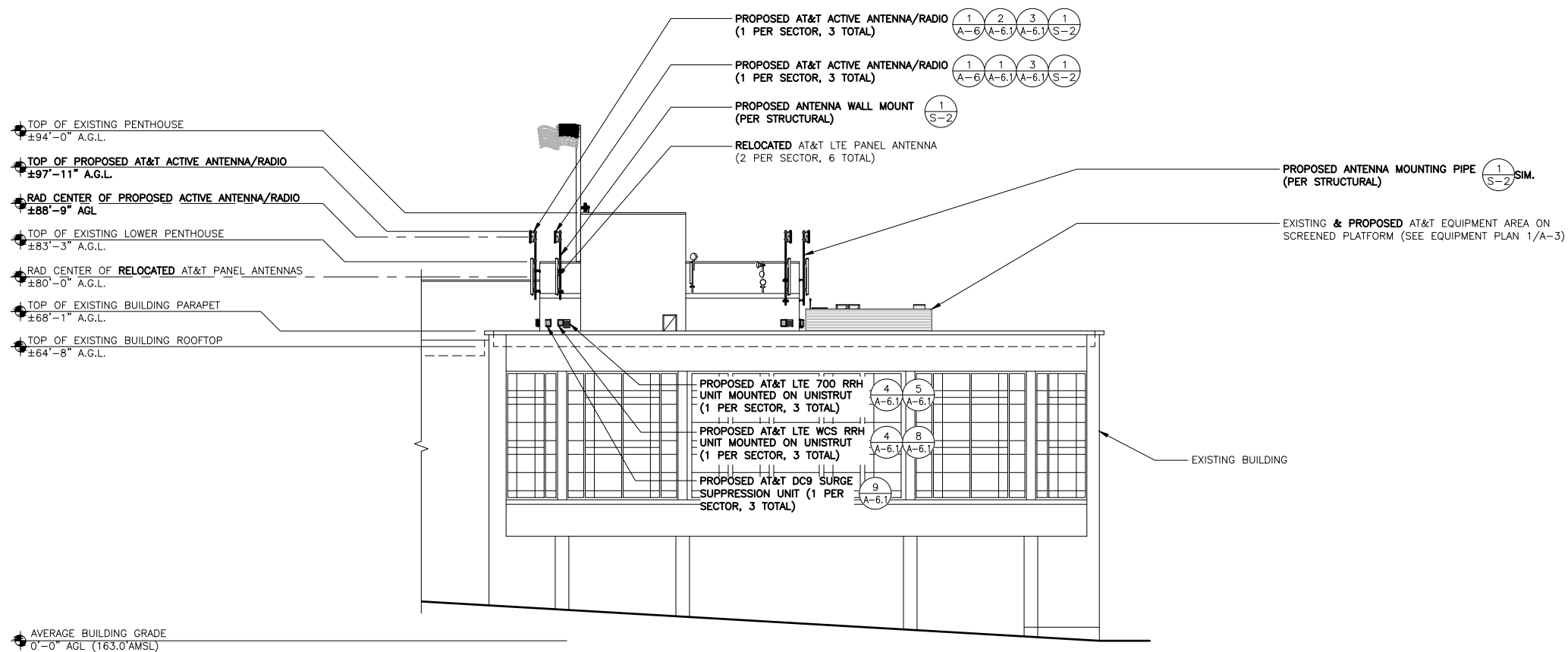
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EXISTING NORTH ELEVATION 2

24"x36" SCALE: 1/16" = 1'-0"  
11"x17" SCALE: 1/32" = 1'-0"  
16' 12' 8' 4' 0" 16'

**NOTE:**  
1. ALL ACCESSORY EQUIPMENT TO BE MOUNTED  
BELOW ANTENNAS WITH MINIMUM 24" VERTICAL  
SEPARATION.



PROPOSED NORTH ELEVATION 1

24"x36" SCALE: 1/16" = 1'-0"  
11"x17" SCALE: 1/32" = 1'-0"  
16' 12' 8' 4' 0" 16'



LAND SURVEYING  
ENGINEERING  
ARCHITECTURE  
DRONE INSPECTION  
REAL ESTATE SERVICES

RFDS V1.00 DATED: 02/29/2024

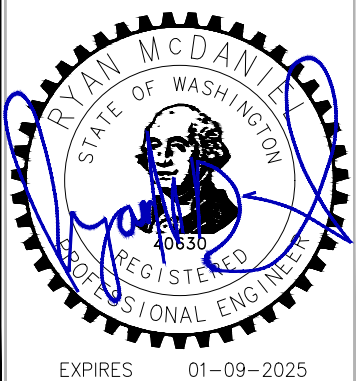
**WA6659**  
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PUYALLUP, WA 98371  
PIERCE COUNTY

REVISIONS

REV.	DATE	DESCRIPTION	BY
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B	04/30/24	ISSUED FOR 100% CD REVIEW	NUL
0	05/31/24	ISSUED FOR 100% CONSTRUCTION	RLD

05-31-2024



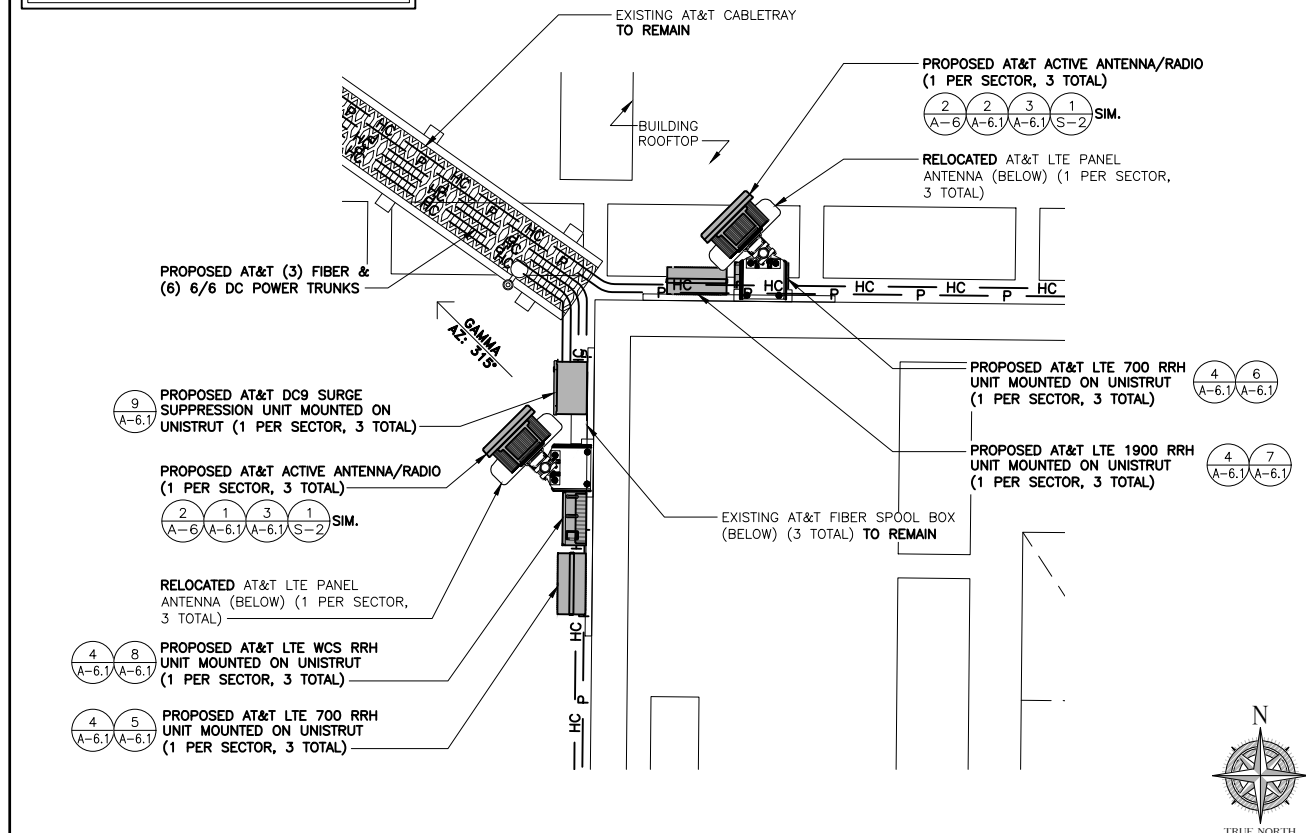
TITLE  
PROPOSED ANTENNA  
CONFIGURATIONS

SHEET

**A-5**

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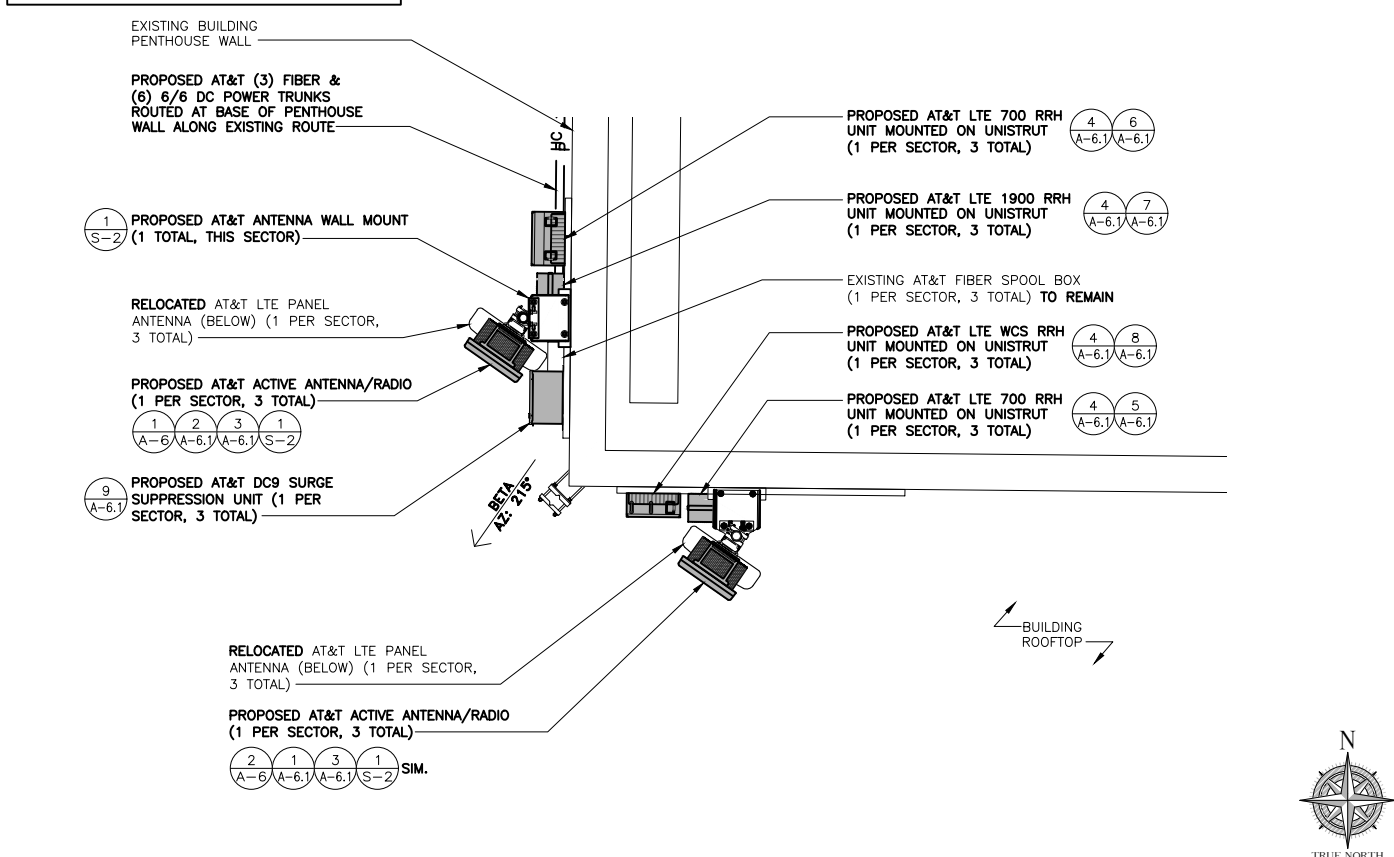
NOTE:  
1. ALL ACCESSORY EQUIPMENT TO BE MOUNTED  
BELOW ANTENNAS WITH MINIMUM 24" VERTICAL  
SEPARATION.



24"x36" SCALE: 3/8" = 1'-0"  
11"x17" SCALE: 3/16" = 1'-0" **PROPOSED ANTENNA CONFIGURATION (GAMMA SECTOR) 3**

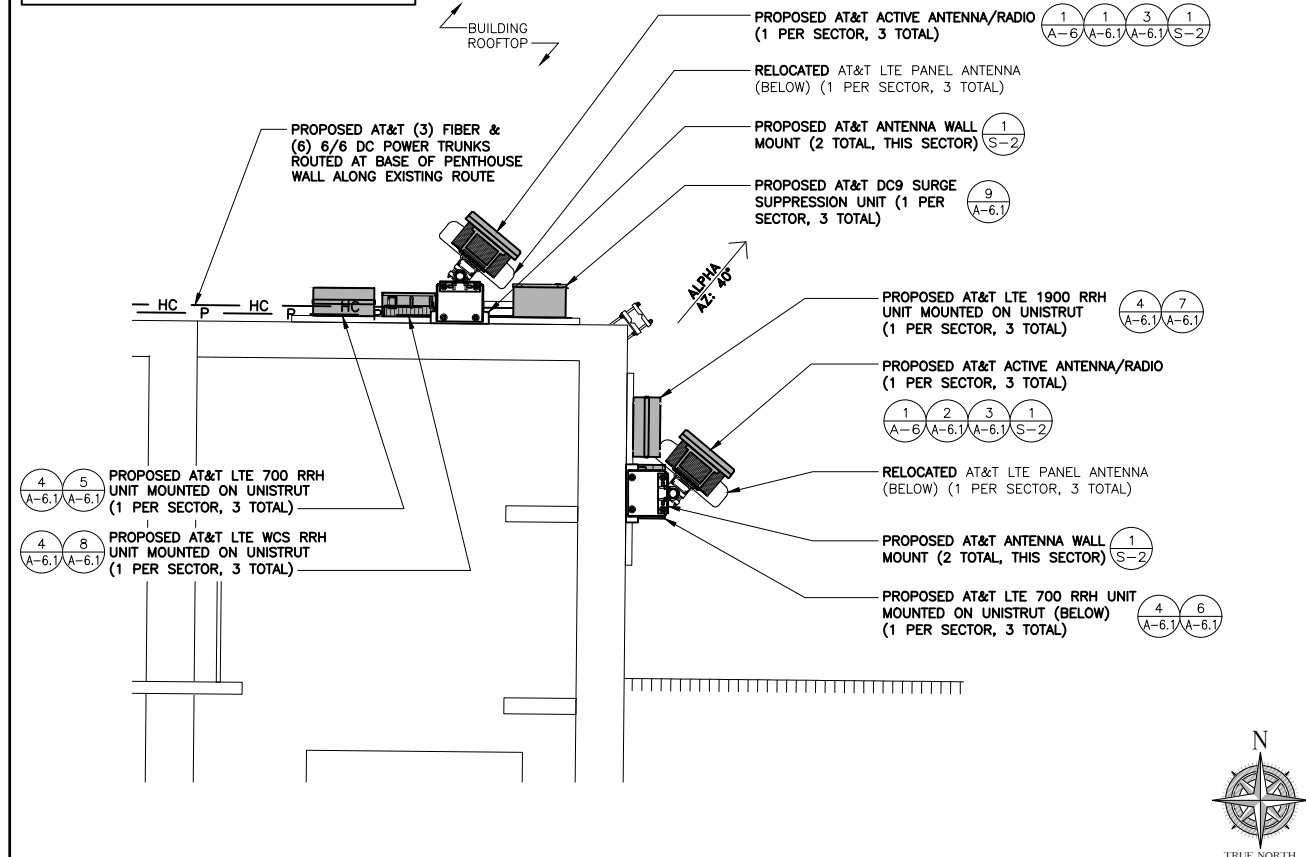
24"x36" SCALE: N.T.S.  
11"x17" SCALE: N.T.S. **NOT USED 4**

NOTE:  
1. ALL ACCESSORY EQUIPMENT TO BE MOUNTED  
BELOW ANTENNAS WITH MINIMUM 24" VERTICAL  
SEPARATION.



24"x36" SCALE: 3/8" = 1'-0"  
11"x17" SCALE: 3/16" = 1'-0" **PROPOSED ANTENNA CONFIGURATION (BETA SECTOR) 2**

NOTE:  
1. ALL ACCESSORY EQUIPMENT TO BE MOUNTED  
BELOW ANTENNAS WITH MINIMUM 24" VERTICAL  
SEPARATION.



24"x36" SCALE: 3/8" = 1'-0"  
11"x17" SCALE: 3/16" = 1'-0" **PROPOSED ANTENNA CONFIGURATION (ALPHA SECTOR) 1**





LAND SURVEYING  
ENGINEERING  
ARCHITECTURE  
DRONE INSPECTION  
REAL ESTATE SERVICES



RFDS V1.00 DATED: 02/29/2024

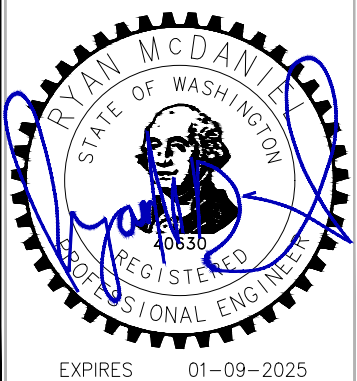
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**GOOD SAMARITAN**

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PUYALLUP, WA 98371  
PIERCE COUNTY

REVISIONS

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0	05/31/24	ISSUED FOR 100% CONSTRUCTION	RLD

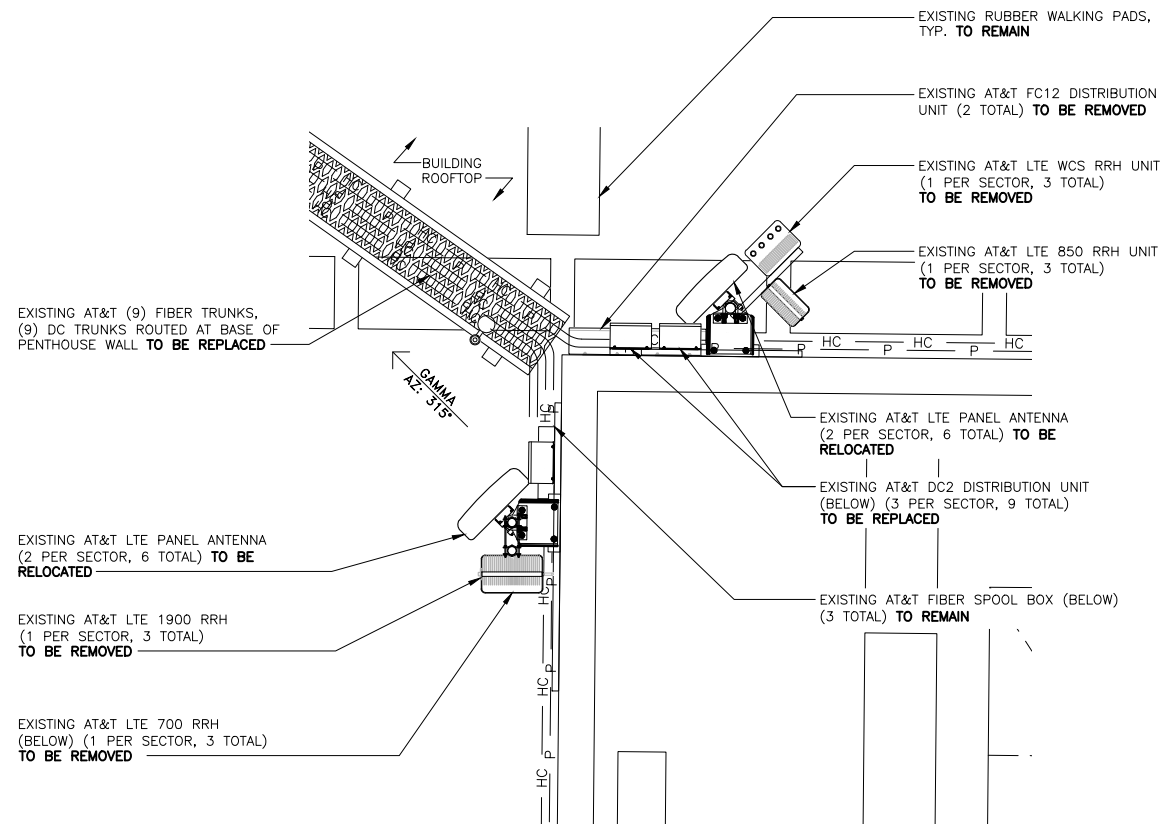
05-31-2024



TITLE  
EXISTING ANTENNA  
CONFIGURATIONS & SCHEDULE

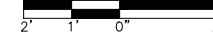
SHEET  
**A-5.1**

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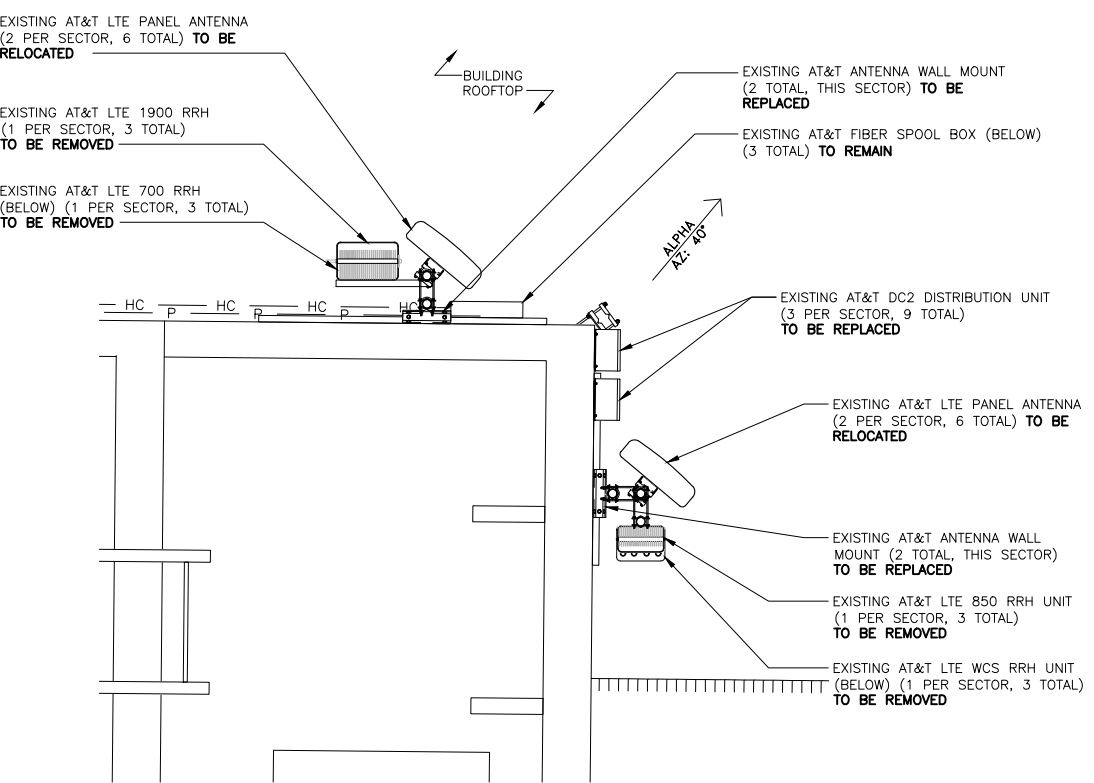
EXISTING ANTENNA CONFIGURATION (GAMMA SECTOR) 3

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



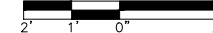
NOT USED 4

24"x36" SCALE: N.T.S.  
11"x17" SCALE: N.T.S.

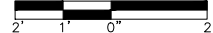
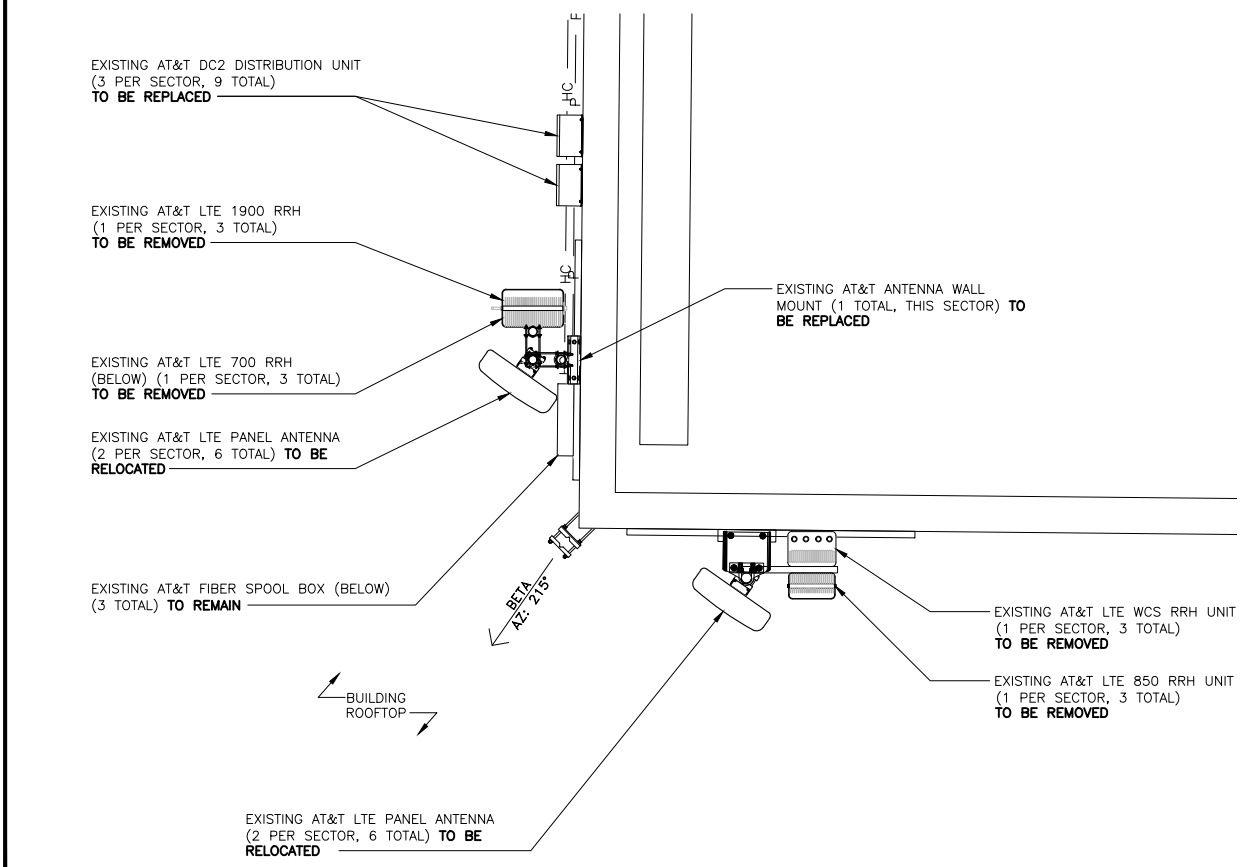


EXISTING ANTENNA CONFIGURATION (ALPHA SECTOR) 1

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



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

EXISTING ANTENNA CONFIGURATION (BETA SECTOR) 2



LAND SURVEYING  
ENGINEERING  
ARCHITECTURE  
DRONE INSPECTION  
REAL ESTATE SERVICES



RFDS V1.00 DATED: 02/29/2024

**WA6659**  
GOOD SAMARITAN

407 14TH AVE SOUTHEAST  
PUYALLUP, WA 98371  
PIERCE COUNTY

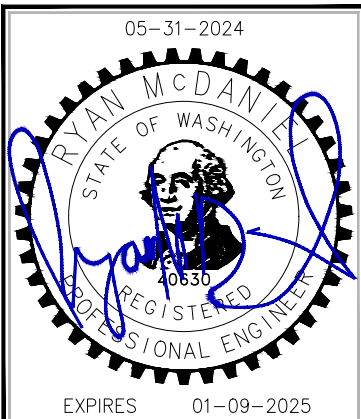
EXISTING ANTENNA SCHEDULE												PER RFDS, V1.0 DATED 02/29/2024	
POSITION	ALPHA	AZIMUTH	RAD CENTER	# OF ANTENNA	ANTENNA MANUFACTURER	ANTENNA MODEL	TMA	NUMBER OF FEEDERS	FEEDER TYPE	FEEDER LENGTH	SURGE SUPPRESSION UNIT	RRH MODEL	RRH LOCATION
1	LTE 850	40°	79'-0"	1	KMW	EPBQ-654L8H8-L2	-	-	(3) FIBER TRUNK (6) DC POWER TRUNKS	-	(3) DC2-48-60-0-9E	RRH 4T4R B5 160W AHCA	TOP
	LTE WCS											RRH4x25-WCS-4R	TOP
4	LTE 700	40°	79'-0"	1	KMW	EPBQ-654L8H8-L2	-	-	-	-	-	DUAL RRH 4T4R B12/14 320W AHLBA	TOP
	LTE 1900											DUAL RRH 4T4R B25/66 320W AHFIB	TOP
POSITION	BETA	AZIMUTH	RAD CENTER	# OF ANTENNA	ANTENNA MANUFACTURER	ANTENNA MODEL	TMA	NUMBER OF FEEDERS	FEEDER TYPE	FEEDER LENGTH	SURGE SUPPRESSION UNIT	RRH MODEL	RRH LOCATION
1	LTE 850	215°	79'-0"	1	KMW	EPBQ-654L8H8-L2	-	-	(3) FIBER TRUNK (6) DC POWER TRUNKS	-	(3) DC2-48-60-0-9E	RRH 4T4R B5 160W AHCA	TOP
	LTE WCS											RRH4x25-WCS-4R	TOP
4	LTE 700	215°	79'-0"	1	KMW	EPBQ-654L8H8-L2	-	-	-	-	-	DUAL RRH 4T4R B12/14 320W AHLBA	TOP
	LTE 1900											DUAL RRH 4T4R B25/66 320W AHFIB	TOP
POSITION	GAMMA	AZIMUTH	RAD CENTER	# OF ANTENNA	ANTENNA MANUFACTURER	ANTENNA MODEL	TMA	NUMBER OF FEEDERS	FEEDER TYPE	FEEDER LENGTH	SURGE SUPPRESSION UNIT	RRH MODEL	RRH LOCATION
1	LTE 850	315°	79'-0"	1	KMW	EPBQ-654L8H8-L2	-	-	(3) FIBER TRUNK (6) DC POWER TRUNKS	-	(3) DC2-48-60-0-9E	RRH 4T4R B5 160W AHCA	TOP
	LTE WCS											RRH4x25-WCS-4R	TOP
4	LTE 700	315°	79'-0"	1	KMW	EPBQ-654L8H8-L2	-	-	-	-	-	DUAL RRH 4T4R B12/14 320W AHLBA	TOP
	LTE 1900											DUAL RRH 4T4R B25/66 320W AHFIB	TOP

EXISTING ANTENNA SCHEDULE | 2

PROPOSED ANTENNA SCHEDULE												PER RFDS, V1.0 DATED 02/29/2024	
POSITION	ALPHA	AZIMUTH	RAD CENTER	# OF ANTENNA	ANTENNA MANUFACTURER	ANTENNA MODEL	TMA	NUMBER OF FEEDERS	FEEDER TYPE	FEEDER LENGTH	SURGE SUPPRESSION UNIT	RRH MODEL	RRH LOCATION
1	CBAND	40°	88'-9"	1	ERICSSON	AIR6419 B77D	-	-	(1) FIBER TRUNK (2) DC POWER TRUNKS	215'	(1) DC9-48-60-24-PC16-EV	INTEGRATED WITHIN AIR6419 B77D	
2	CBAND	40°	88'-9"	1	ERICSSON	AIR6419 B77G	-	-	-	-	-	INTEGRATED WITHIN AIR6419 B77G	
3	LTE 700	40°	80'-0"	1	KMW	EPBQ-654L8H8-L2	-	-	-	-	-	4478 B14	TOP
	LTE WCS											4890 B25/66	TOP
4	LTE 700	40°	80'-0"	1	KMW	EPBQ-654L8H8-L2	-	-	-	-	-	4478 B14	TOP
	LTE 1900											4890 B25/66	TOP
POSITION	BETA	AZIMUTH	RAD CENTER	# OF ANTENNA	ANTENNA MANUFACTURER	ANTENNA MODEL	TMA	NUMBER OF FEEDERS	FEEDER TYPE	FEEDER LENGTH	SURGE SUPPRESSION UNIT	RRH MODEL	RRH LOCATION
1	CBAND	215°	88'-9"	1	ERICSSON	AIR6419 B77D	-	-	(1) FIBER TRUNK (2) DC POWER TRUNKS	215'	(1) DC9-48-60-24-PC16-EV	INTEGRATED WITHIN AIR6419 B77D	
2	CBAND	215°	88'-9"	1	ERICSSON	AIR6419 B77G	-	-	-	-	-	INTEGRATED WITHIN AIR6419 B77G	
3	LTE 700	215°	80'-0"	1	KMW	EPBQ-654L8H8-L2	-	-	-	-	-	4478 B14	TOP
	LTE WCS											4890 B25/66	TOP
4	LTE 700	215°	80'-0"	1	KMW	EPBQ-654L8H8-L2	-	-	-	-	-	4478 B14	TOP
	LTE 1900											4890 B25/66	TOP
POSITION	GAMMA	AZIMUTH	RAD CENTER	# OF ANTENNA	ANTENNA MANUFACTURER	ANTENNA MODEL	TMA	NUMBER OF FEEDERS	FEEDER TYPE	FEEDER LENGTH	SURGE SUPPRESSION UNIT	RRH MODEL	RRH LOCATION
1	CBAND	315°	88'-9"	1	ERICSSON	AIR6419 B77D	-	-	(1) FIBER TRUNK (2) DC POWER TRUNKS	215'	(1) DC9-48-60-24-PC16-EV	INTEGRATED WITHIN AIR6419 B77D	
2	CBAND	315°	88'-9"	1	ERICSSON	AIR6419 B77G	-	-	-	-	-	INTEGRATED WITHIN AIR6419 B77G	
3	LTE 700	315°	80'-0"	1	KMW	EPBQ-654L8H8-L2	-	-	-	-	-	4478 B14	TOP
	LTE WCS											4890 B25/66	TOP
4	LTE 700	315°	80'-0"	1	KMW	EPBQ-654L8H8-L2	-	-	-	-	-	4478 B14	TOP
	LTE 1900											4890 B25/66	TOP

PROPOSED ANTENNA SCHEDULE | 1

REVISIONS			
REV.	DATE	DESCRIPTION	BY
NUL			
A	03/25/24	ISSUED FOR 90% CD REVIEW	NUL
B	04/30/24	ISSUED FOR 100% CD REVIEW	NUL
0	05/31/24	ISSUED FOR 100% CONSTRUCTION	RLD



TITLE  
EXISTING & PROPOSED  
RF SCHEDULES

SHEET  
**A-5.2**

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LAND SURVEYING  
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 ARCHITECTURE  
 DRONE INSPECTION  
 REAL ESTATE SERVICES



RFDS V1.00 DATED: 02/29/2024

**WA6659**  
**GOOD SAMARITAN**

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0	05/31/24	ISSUED FOR 100% CONSTRUCTION	RLD

PENDING  
 FINAL  
 DESIGN

The permit set should include the final design. [1032 PLAN SET, sheet A-5.3]

05-31-2024



TITLE  
 PROPOSED RF PLUMBING DIAGRAM

SHEET  
**A-5.3**

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ENGINEERING  
ARCHITECTURE  
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REAL ESTATE SERVICES



RFDS V1.00 DATED: 02/29/2024

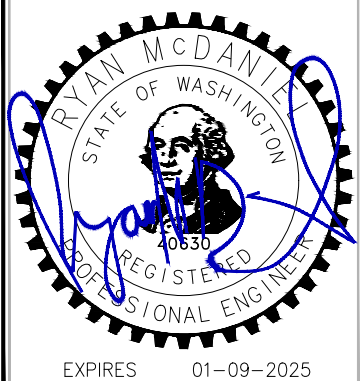
**WA6659**  
**GOOD SAMARITAN**

407 14TH AVE SOUTHEAST  
PUYALLUP, WA 98371  
PIERCE COUNTY

REVISIONS

REV.	DATE	DESCRIPTION	BY
A	03/25/24	ISSUED FOR 90% CD REVIEW	NUL
B	04/30/24	ISSUED FOR 100% CD REVIEW	NUL
0	05/31/24	ISSUED FOR 100% CONSTRUCTION	RLD

05-31-2024

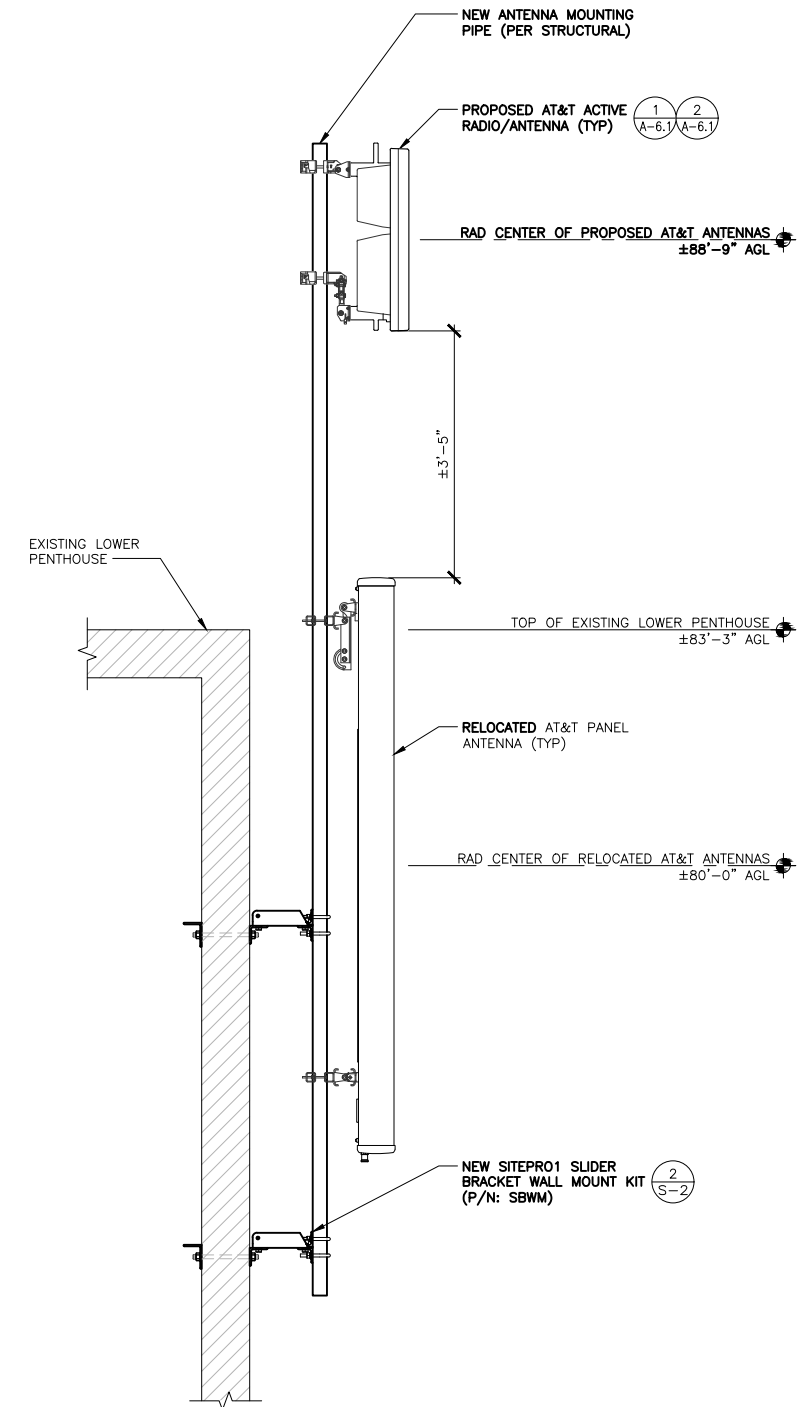
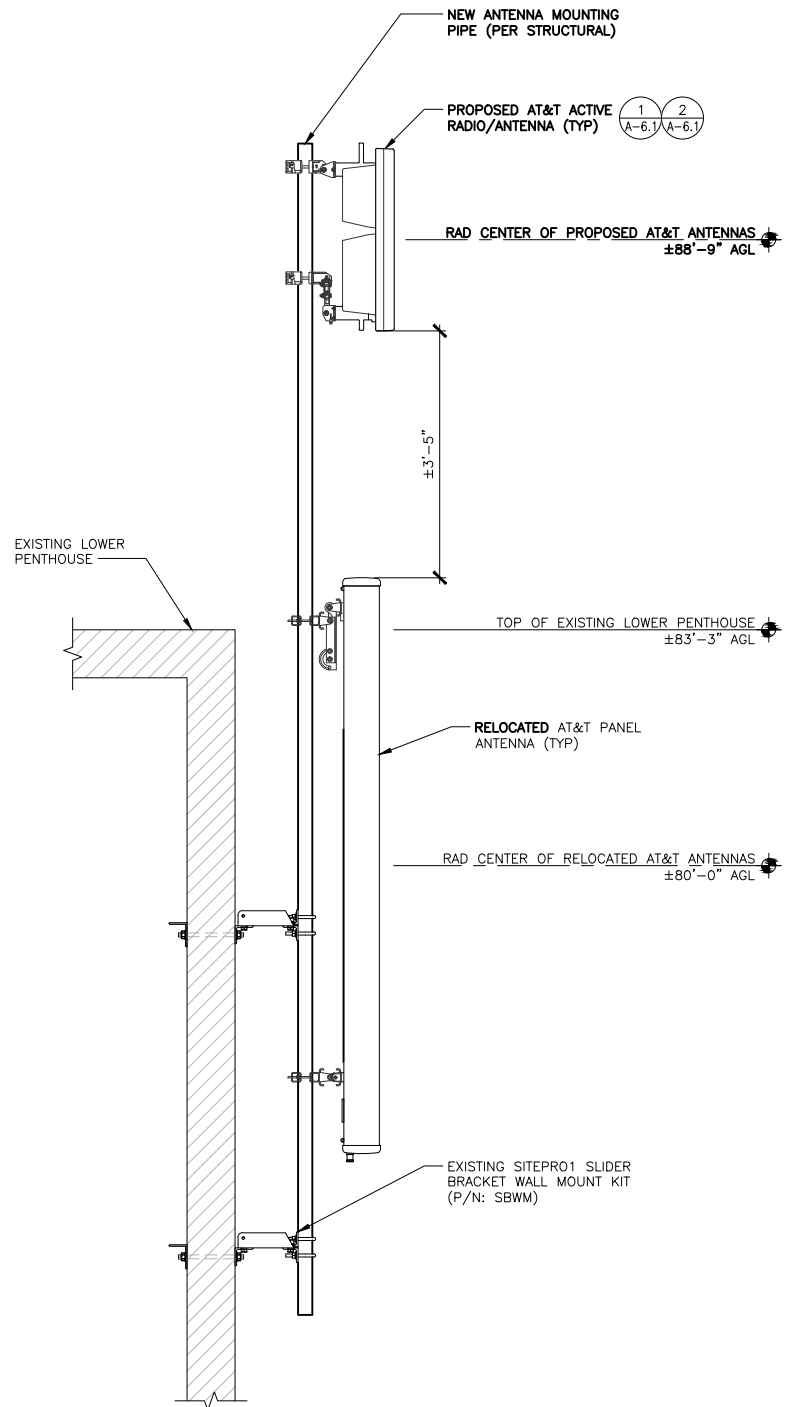


TITLE  
ANTENNA DETAILS

SHEET

**A-6**

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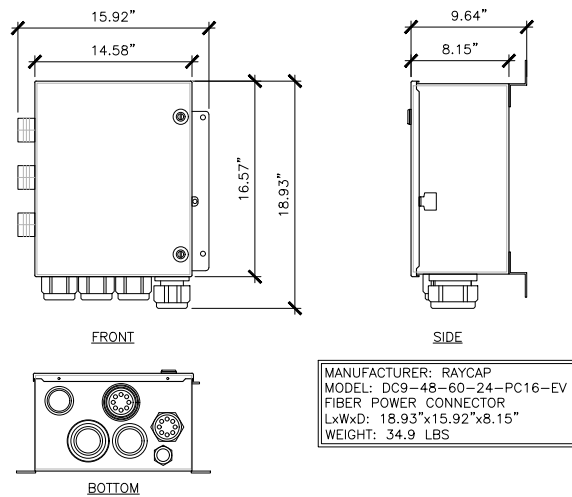
24"x36" SCALE: N.T.S. NOT USED **5**  
11"x17" SCALE: N.T.S.

24"x36" SCALE: N.T.S. NOT USED **4**  
11"x17" SCALE: N.T.S.

24"x36" SCALE: N.T.S. NOT USED **3**  
11"x17" SCALE: N.T.S.

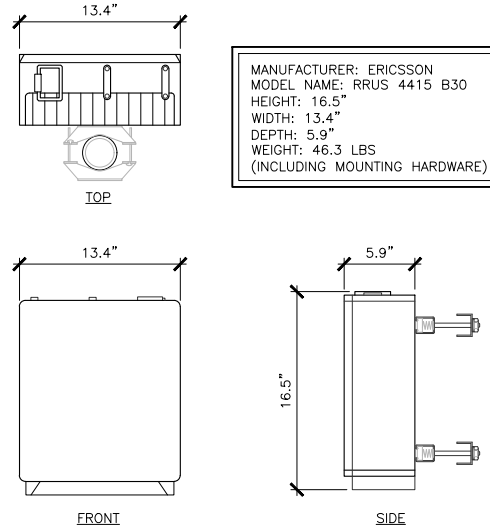
12"x24" SCALE: 3/4" = 1'-0"  
11"x17" SCALE: 3/8" = 1'-0"  
**ANTENNA MOUNTING 2**

12"x24" SCALE: 3/4" = 1'-0"  
11"x17" SCALE: 3/8" = 1'-0"  
**ANTENNA MOUNTING 1**



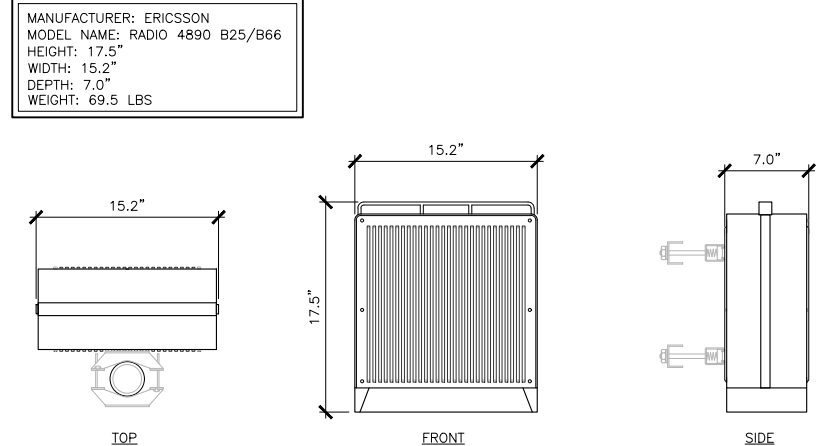
MANUFACTURER: RAYCAP  
 MODEL: DC9-48-60-24-PC16-EV  
 FIBER POWER CONNECTOR  
 LxWxD: 18.93"x15.92"x8.15"  
 WEIGHT: 34.9 LBS

12"x24" SCALE: 1-1/2" = 1'-0"  
 11"x17" SCALE: 3/4" = 1'-0"  
**DISTRIBUTION UNIT 9**



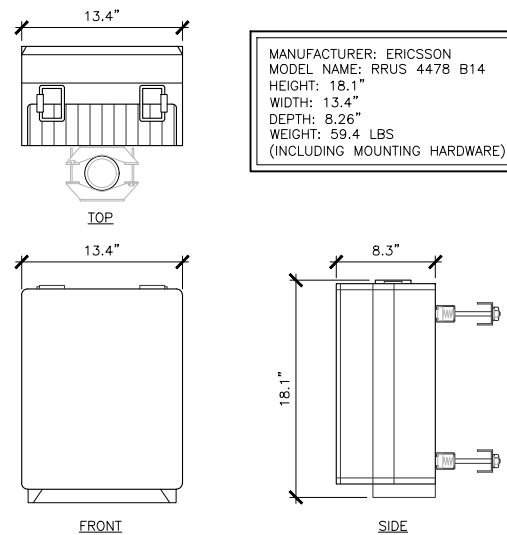
MANUFACTURER: ERICSSON  
 MODEL NAME: RRUS 4415 B30  
 HEIGHT: 16.5"  
 WIDTH: 13.4"  
 DEPTH: 5.9"  
 WEIGHT: 46.3 LBS  
 (INCLUDING MOUNTING HARDWARE)

12"x24" SCALE: 1-1/2" = 1'-0"  
 11"x17" SCALE: 3/4" = 1'-0"  
**WCS RRH UNIT 8**



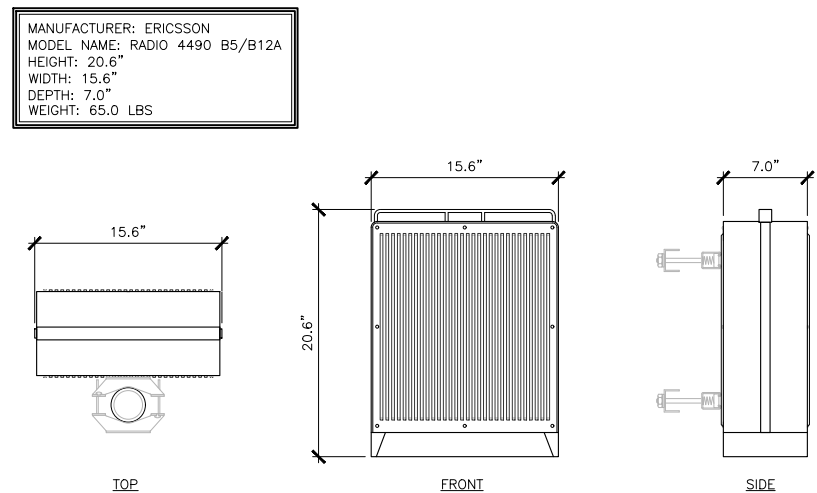
MANUFACTURER: ERICSSON  
 MODEL NAME: RADIO 4890 B25/B66  
 HEIGHT: 17.5"  
 WIDTH: 15.2"  
 DEPTH: 7.0"  
 WEIGHT: 69.5 LBS

12"x24" SCALE: 1-1/2" = 1'-0"  
 11"x17" SCALE: 3/4" = 1'-0"  
**1900 RRH UNIT 7**



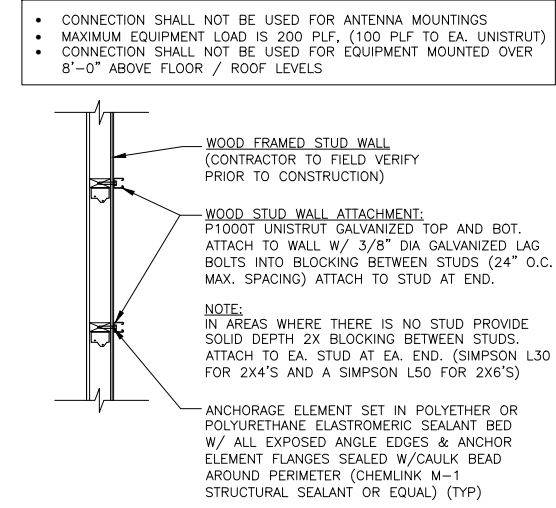
MANUFACTURER: ERICSSON  
 MODEL NAME: RRUS 4478 B14  
 HEIGHT: 18.1"  
 WIDTH: 13.4"  
 DEPTH: 8.26"  
 WEIGHT: 59.4 LBS  
 (INCLUDING MOUNTING HARDWARE)

12"x24" SCALE: 1-1/2" = 1'-0"  
 11"x17" SCALE: 3/4" = 1'-0"  
**700 RRH UNIT 6**

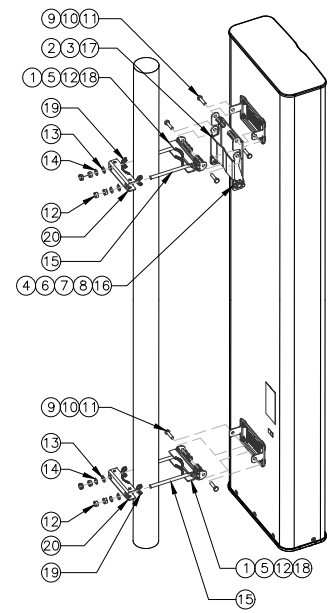


MANUFACTURER: ERICSSON  
 MODEL NAME: RADIO 4490 B5/B12A  
 HEIGHT: 20.6"  
 WIDTH: 15.6"  
 DEPTH: 7.0"  
 WEIGHT: 65.0 LBS

12"x24" SCALE: 1-1/2" = 1'-0"  
 11"x17" SCALE: 3/4" = 1'-0"  
**700 RRH UNIT 5**



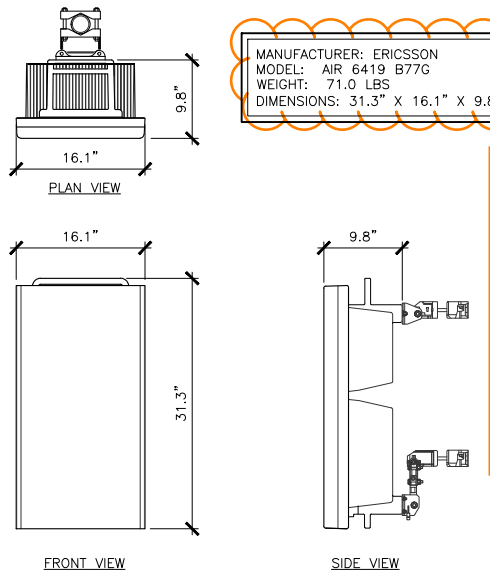
24"x36" SCALE: N.T.S.  
 11"x17" SCALE: N.T.S.  
**UNISTRUT MOUNTING DETAIL 4**



ITEM NO.	DESCRIPTION	QUANTITY
1	PIPECLAMP BRACKET,NO FLANGE (SQUARE HOLE)	2
2	BRACKET, NOTCHED	1
3	BRACKET	1
4	PLATE, TWO HOLES	2
5	BRACKET, PIPE CLAMP INTERFACE	2
6	SCR,HCS,HEX,M8X25,10mm UNT,SST,PASS	2
7	WSHR,BELLE,M8,16-8.2-1.5,SST,PASS	2
8	SCR,HCS,HEX,M10X25,10mm UNT,SST,PASS	2
9	NUT,HEX,M10,STL,GALV	12
10	WSHR,LK,SPLT,M10,STL,GALV	6
11	SCR,HCS,HEX,M10X40,STL,GALV	6
12	NUT,HEX,M12,STL,GALV	12
13	WSHR,FLT,M12,1.3X24X2.5,STL,GALV	4
14	WSHR,LK,SPLT,M12,STL,GALV	4
15	CARRIAGE BOLT,WITH HEAT SHRINK	4
16	WSHR,BELLE,M10,20-10.2-1.6,SST,PASS	2
17	SCISSOR GASKET	2
18	WSHR,FLAT,M16,17.5X30X2.5,SST	4
19	ISOLATOR	4
20	PIPECLAMP BRACKET,NO FLANGE (CIRCLE HOLE)	2

- NOTES:
- INSERT SCISSOR BRACKETS BETWEEN THE UPPER ANTENNA MOUNTING BRACKET AND THE UPPER POLE ADAPTER BRACKET. SECURE USING 1/2 INCH HARDWARE PROVIDED.
  - TO SET THE DEGREE OF DOWNTILT, ALIGN THE DESIRED HOLES ON THE SCISSOR BRACKETS AND SECURE USING 5/16 INCH HARDWARE PROVIDED.
  - THE NUMBER OF CONNECTORS WILL VARY BASED ON ANTENNA TYPE.

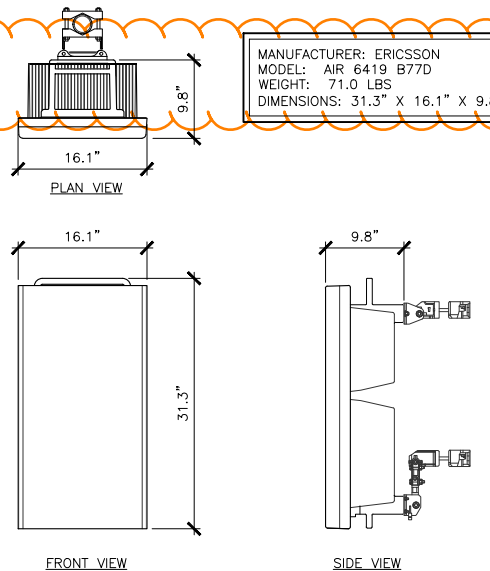
24"x36" SCALE: N.T.S.  
 11"x17" SCALE: N.T.S.  
**ANTENNA MOUNTING BRACKET 3**



MANUFACTURER: ERICSSON  
 MODEL: AIR 6419 B77G  
 WEIGHT: 71.0 LBS  
 DIMENSIONS: 31.3" X 16.1" X 9.8"

The weight of the AIR6419 B77G differs between the calculations (Structural Analysis, Mount Analysis, and Mount Design) and the specifications under details 1 and 2 on sheet A-6.1. Please confirm which weight is correct and make any necessary revisions. [1032 PLAN SET, sheet A6.1]

12"x24" SCALE: 3/4" = 1'-0"  
 11"x17" SCALE: 3/8" = 1'-0"  
**ACTIVE ANTENNA RADIO 2**



MANUFACTURER: ERICSSON  
 MODEL: AIR 6419 B77D  
 WEIGHT: 71.0 LBS  
 DIMENSIONS: 31.3" X 16.1" X 9.8"

12"x24" SCALE: 3/4" = 1'-0"  
 11"x17" SCALE: 3/8" = 1'-0"  
**ACTIVE ANTENNA RADIO 1**



LAND SURVEYING  
 ENGINEERING  
 ARCHITECTURE  
 DRONE INSPECTION  
 REAL ESTATE SERVICES

RFDS V1.00 DATED: 02/29/2024

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 PUYALLUP, WA 98371  
 PIERCE COUNTY

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TITLE  
 ANTENNA DETAILS

SHEET  
**A-6.1**

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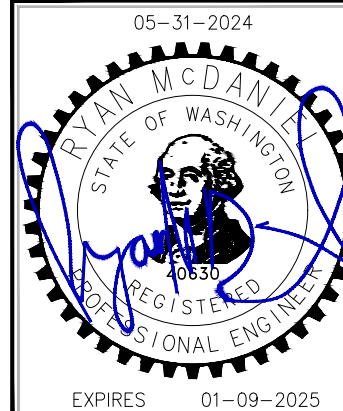
RFDS V1.00 DATED: 02/29/2024

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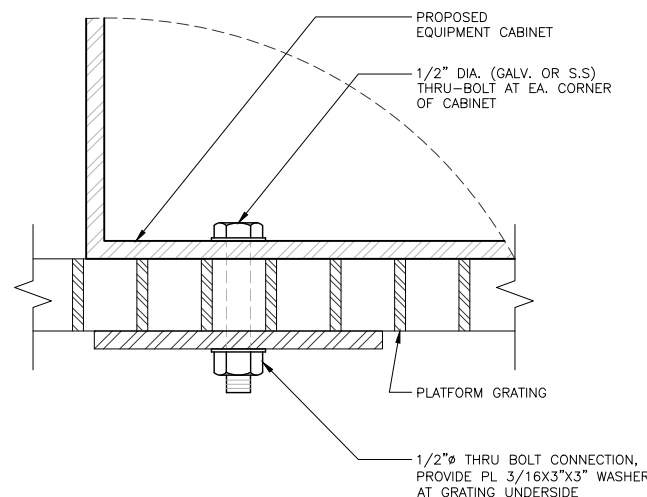
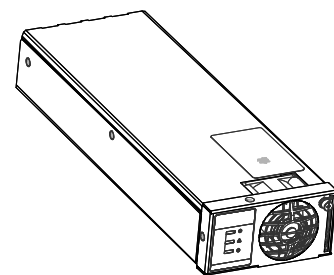
TITLE  
CABINET DETAILS

SHEET

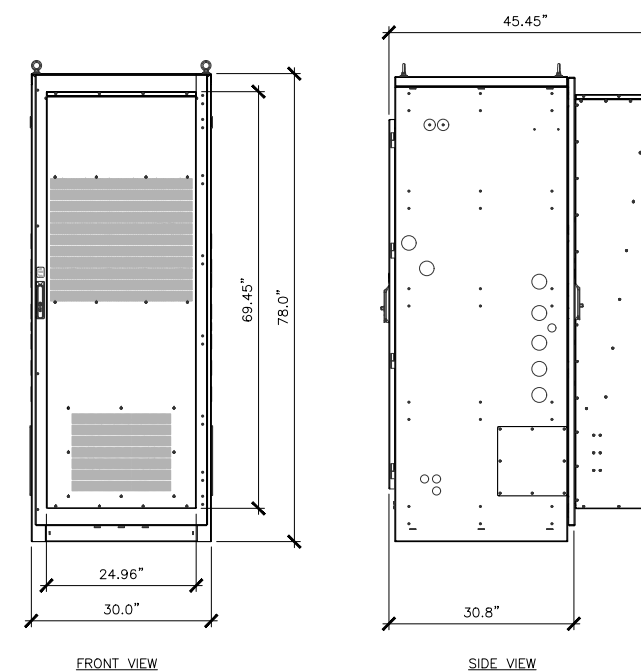
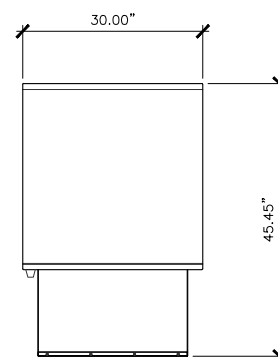
**A-7**

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MANUFACTURER: NETSURE 7100 POWER SYSTEM  
MODEL: RECTIFIER MODULE (1R482000e3)  
• PROVIDES ONE (1) MODEL R48-2000e3, SPEC. NO. 1R482000e3, 2000 WATT/ -48 VOLT RECTIFIER MODULE.  
• REFER TO RECTIFIER INSTRUCTIONS FOR MORE INFORMATION



MANUFACTURER: PURCELL SYSTEMS  
FLEXSURE FLX42-3031 GR-487 ENCLOSURE  
DIMENSIONS: 78.0"x30.0"x31.02" (HxWxD)  
CABINET WEIGHT: 440 LBS



24"x36" SCALE: N.T.S.  
11"x17" SCALE: N.T.S.

RECTIFIER MODULE **5**

24"x36" SCALE: N.T.S.  
11"x17" SCALE: N.T.S.

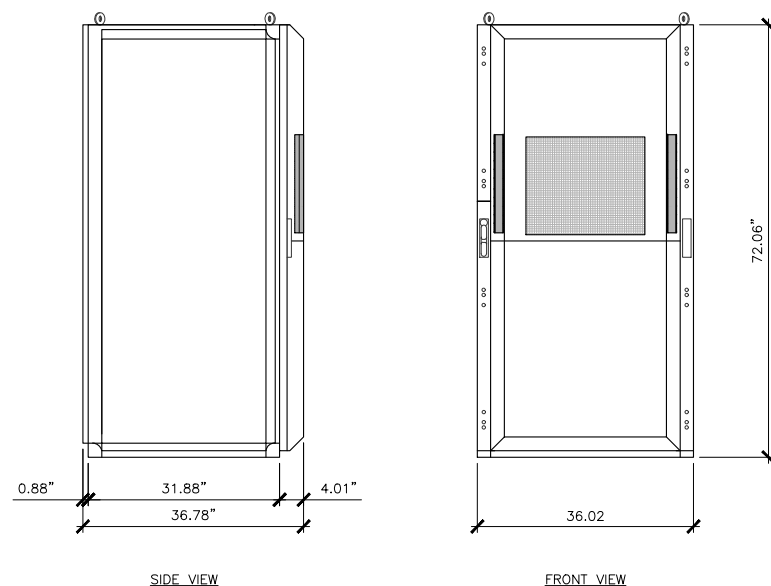
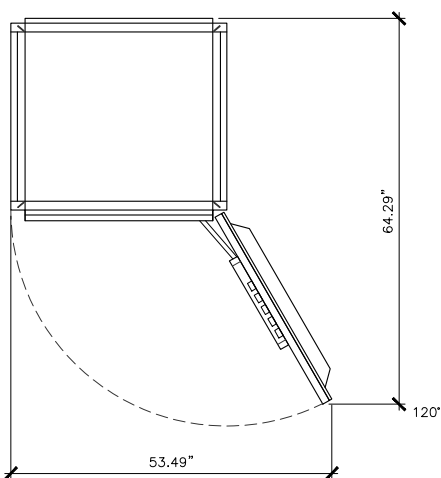
CABINET MOUNTING **4**

12"x24" SCALE: 3/4" = 1'-0"  
11"x17" SCALE: 3/8" = 1'-0"

FLX42 PURCELL CABINET **3**

MANUFACTURER: EMERSON NETWORK NETSURE VERTIV BATTERY CABINET  
EQUIPMENT:  
BATTERY SHELVES (5) SHELVES (+24 - 12 STRINGS MAX/-48V - 6 STRINGS MAX)  
THERMAL SOLUTION FREE AIR VENTED  
GROUND BAR 10 POSITIONS  
TERMINAL BLOCK 12-PAIR PHOENIX BLOCK  
DIMENSIONS: 72.06"x31.81"x39.02" (HxWxD)  
CABINET WEIGHT: 980 LBS (W/O BATTERIES)  
4101 LBS (W/ BATTERIES)  
CLEARANCES: FRONT 36", LEFT & RIGHT 0", REAR 12"

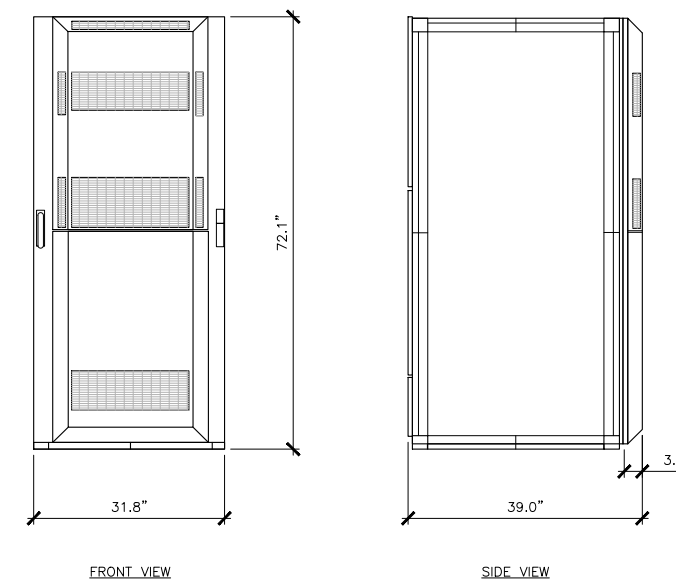
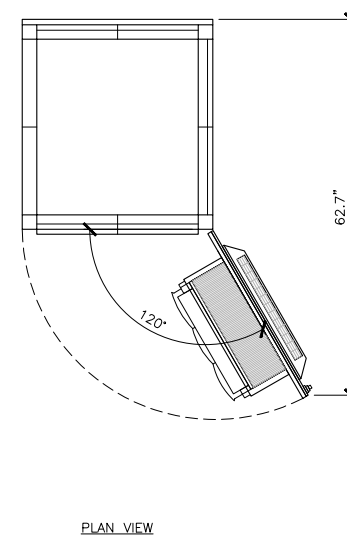
The weight of the Emerson Netsure Cabinet differs between the calculations (Structural Analysis, Mount Analysis, and Mount Design) and the specifications under detail 2 on sheet A-7. Please confirm which weight is correct and make any necessary revisions. [1032 PLAN SET, sheet A-7]



12"x24" SCALE: 3/4" = 1'-0"  
11"x17" SCALE: 3/8" = 1'-0"

NETSURE -48VDC OUTDOOR BATTERY CABINET **2**

MANUFACTURER: EMERSON NETWORK POWER  
EMERSON NETSURE 512 DC POWER SYSTEM  
DIMENSIONS: 72.06"x31.81"x39.02" (HxWxD)  
CABINET WEIGHT: 816 LBS  
FULLY LOADED CABINET: 2300 LBS  
CLEARANCES: FRONT 36", LEFT & RIGHT 0", BACK 12"



12"x24" SCALE: 3/4" = 1'-0"  
11"x17" SCALE: 3/8" = 1'-0"

NETSURE -48VDC OUTDOOR POWER CABINET **1**



**GENERAL NOTES:**

1. ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL INSTALLATION AND CONSTRUCTION MAY VARY DUE TO SITE SPECIFIC CONDITIONS.
2. GROUND ALL ANTENNA BASES, FRAMES, CABLE RUNS, AND OTHER METALLIC COMPONENTS USING GROUND WIRES AND CONNECT TO SURFACE MOUNTED BUS BARS. FOLLOW ANTENNA AND BTS MANUFACTURER'S PRACTICES FOR GROUNDING REQUIREMENTS. GROUND COAX SHIELD AT BOTH ENDS AND EXIT FROM TOWER OR POLE USING MFR'S PRACTICES.
3. ALL GROUND CONNECTIONS SHALL BE CADWELD. ALL WIRES SHALL BE COPPER THHN/THWN. ALL GROUND WIRE SHALL BE GREEN INSULATED WIRE ABOVE GROUND.
4. CONTRACTOR TO VERIFY AND TEST GROUND SOURCE, GROUNDING AND OTHER OPERATIONAL TESTING WILL BE WITNESSED BY CARRIER, REPRESENTATIVE.
5. REFER TO DIVISION 16 GENERAL ELECTRIC; GENERAL ELECTRICAL PROVISION AND COMPLY WITH ALL REQUIREMENTS OF GROUNDING STANDARDS.
6. ELECTRICAL CONTRACTOR TO PROVIDE DETAILED DESIGN OF GROUNDING SYSTEM, AND RECEIVE APPROVAL OF DESIGN BY AUTHORIZED CARRIER, REPRESENTATIVE, PRIOR TO INSTALLATION OF GROUNDING SYSTEM. PHOTO DOCUMENT ALL CADWELDS AND GROUND RINGS.
7. NOTIFY CONSTRUCTION MANAGER IF THERE ARE ANY DIFFICULTIES INSTALLING GROUNDING SYSTEM DUE TO SITE SOIL CONDITIONS.
8. USE PANI SCHEME FOR LOADING GROUNDS ON MGB AS DISCUSSED IN NSTD 119, 33 & 36.

**GROUND ROD NOTES:**

1. ELECTRICAL CONTRACTOR SHALL ORDER GROUND RESISTANCE TESTING ONCE THE GROUND SYSTEM HAS BEEN INSTALLED; A QUALIFIED INDIVIDUAL, UTILIZING THE FALL OF POTENTIAL METHOD, SHOULD PERFORM THE TEST. THE REPORT WILL SHOW THE LOCATION OF THE TEST AND CONTAIN NO LESS THAN 9 TEST POINTS ALONG THE TESTING LINE, GRAPHED OUT TO SHOW THE PLATEAU.
2. POINT GROUND TEST OR 3 POINT 62% TESTS WILL NOT BE ACCEPTED AS ALTERNATIVES TO THE AFORE MENTIONED GROUND TESTS. TEST SHALL BE PERFORMED WHILE THE COUNTERPOISE IS ISOLATED FROM THE A/C SYSTEM GRIDS AND EXISTING COMMUNICATIONS FACILITY.

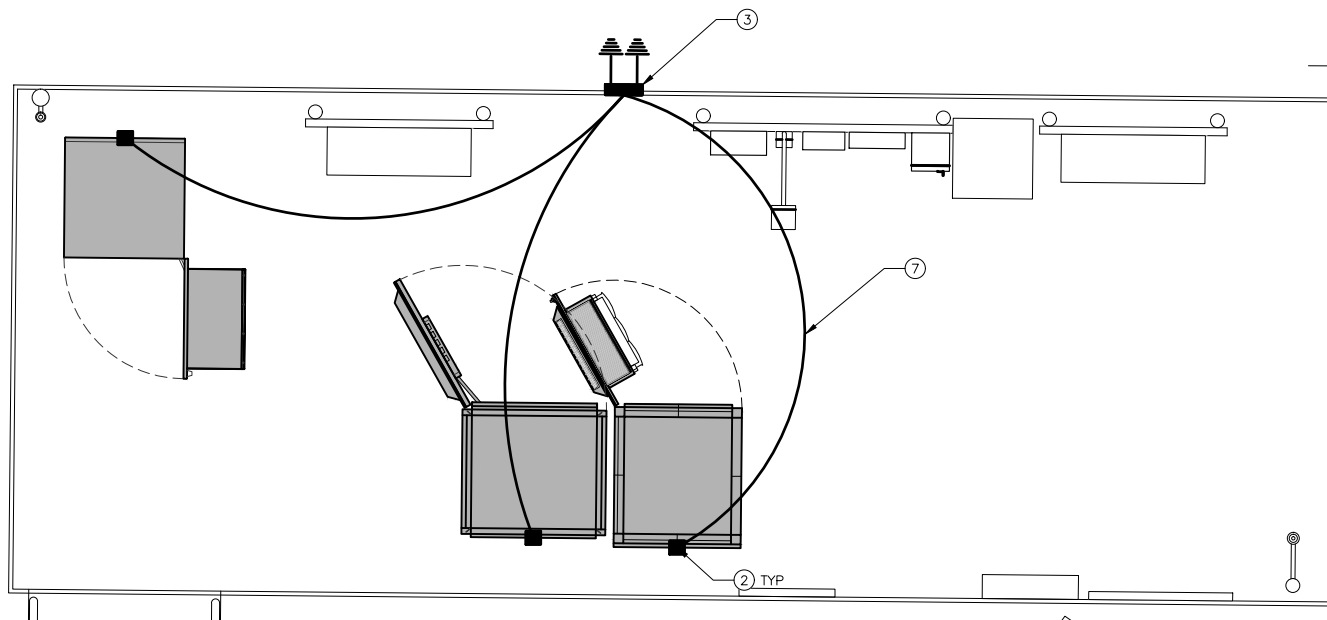
**KEY NOTES:**

- ① CADWELD (TYP.) SEE SHEET E-2.
- ② MECHANICAL CONNECTION (TYP.) SEE SHEET E-2.
- ③ EQUIPMENT BAR TIED INTO EXISTING SITE GROUNDING SYSTEM (V.I.F.) SEE SHEET E-2.
- ④ #6 AWG ANTENNA MOUNT GROUND TO EQUIPMENT GROUND BAR (TYP.) SEE SHEET E-2.
- ⑤ #6 AWG RRH MOUNT GROUND TO EQUIPMENT GROUND BAR (TYP.) SEE SHEET E-2.
- ⑥ #2 AWG GROUND FROM DISTRIBUTION UNIT TO TIE INTO EQUIPMENT GROUND BAR (TYP.) SEE SHEET E-2
- ⑦ #2 AWG GROUND FROM CABINET TO TIE INTO EQUIPMENT GROUND BAR (TYP.) SEE SHEET E-2

SYMBOL	DESCRIPTION
	COPPER GROUND ROD
	CADWELD/EXOTHERMIC WELD
	MECHANICAL CONNECTION
	TEST WELL
	GROUND BAR
	GROUND WIRE
	#2 AWG GROUND RING
	FIELD VERIFY & TIE INTO EXISTING GROUNDING SYSTEM

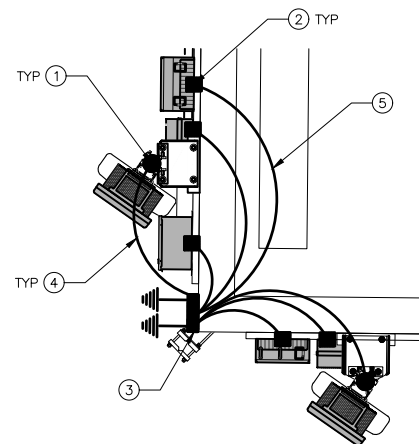
NOTE: ONE SECTOR SHOWN FOR CLARITY. GROUNDING SHOWN IS TYPICAL FOR ALL (3) SECTORS.

Separate Electrical Permit is required with the Washington State Department of Labor & Industries.  
<https://lni.wa.gov/licensing-permits/electrical/electrical-permits-fees-and-inspections>  
 or call for Licensing Information: 1-800-647-0982



24"x36" SCALE: 3/4" = 1'-0"  
 11"x17" SCALE: 3/8" = 1'-0"

ANTENNA SCHEMATIC GROUNDING PLAN 1



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

ANTENNA SCHEMATIC GROUNDING PLAN 1



LAND SURVEYING  
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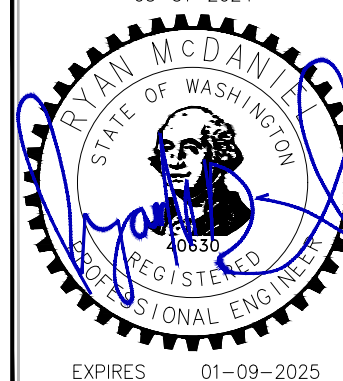
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 PUYALLUP, WA 98371  
 PIERCE COUNTY

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05-31-2024



TITLE  
 SCHEMATIC GROUNDING PLAN

SHEET

**E-1**

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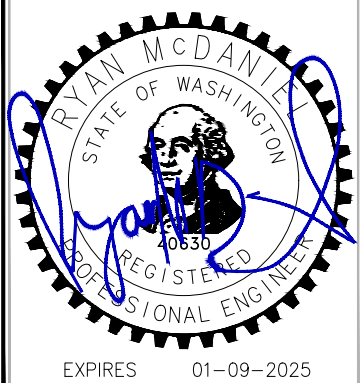
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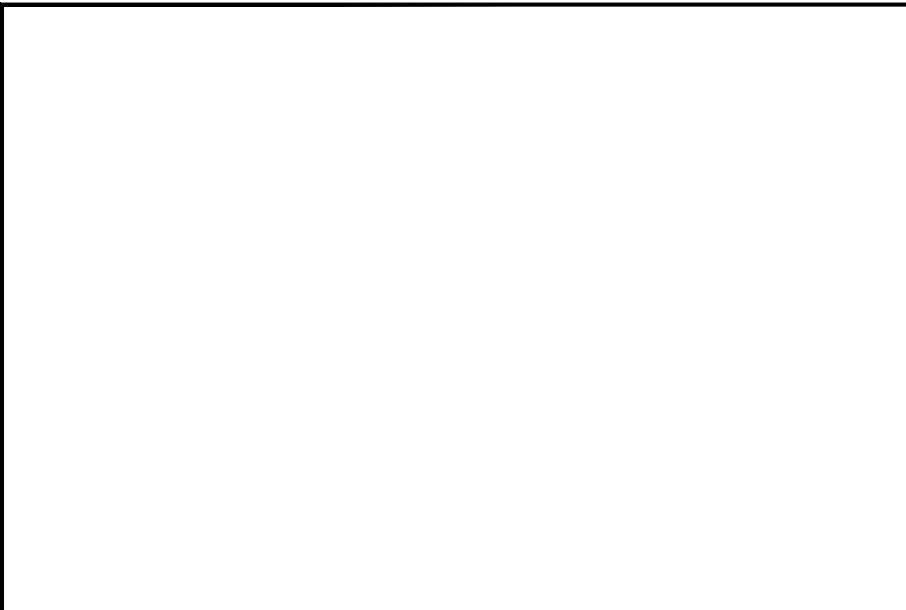
05-31-2024



TITLE  
GROUNDING DETAILS

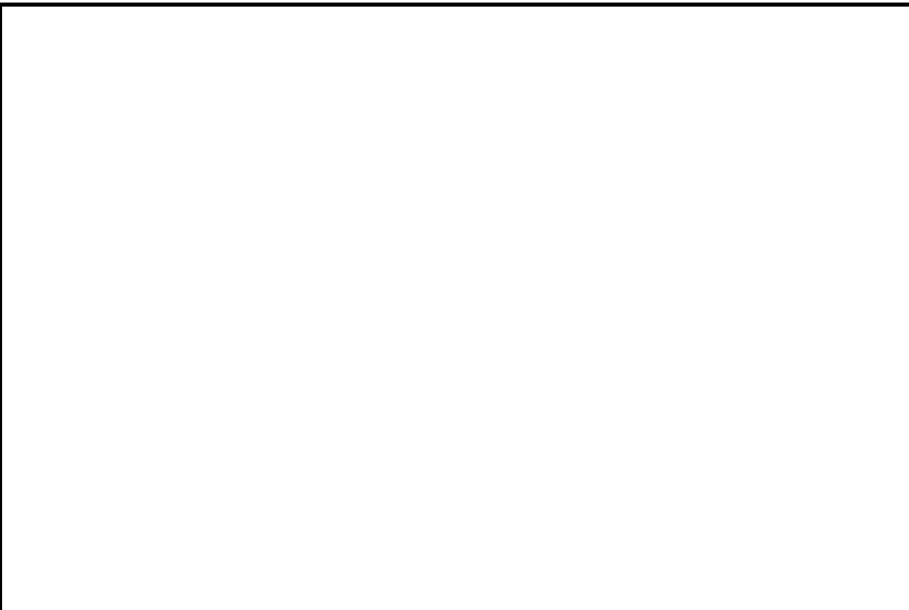
SHEET  
**E-2**

PROPRIETARY INFORMATION:  
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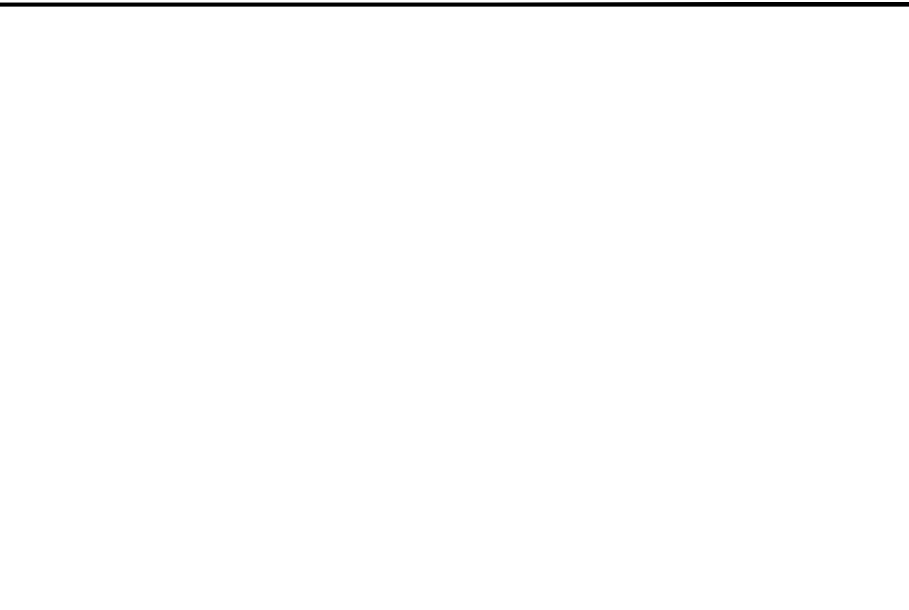
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11"x17" SCALE: N.T.S.

NOT USED 9



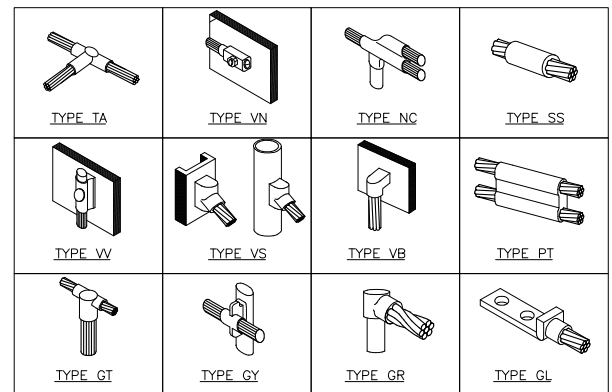
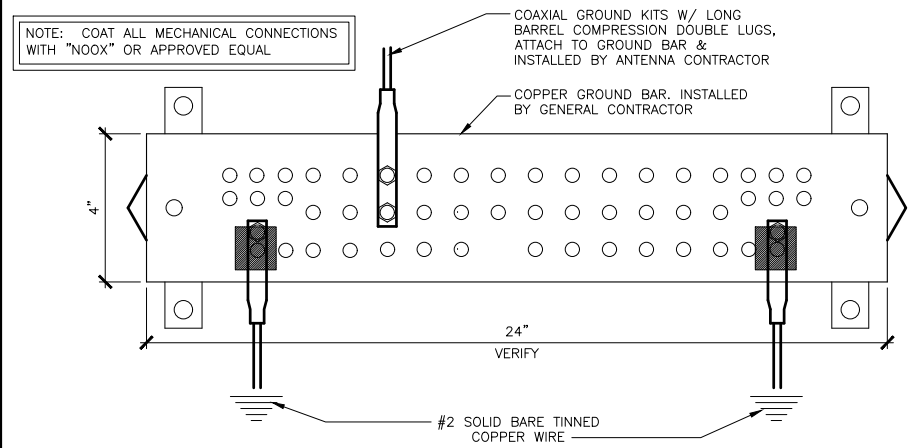
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11"x17" SCALE: N.T.S.

NOT USED 8



24"x36" SCALE: N.T.S.  
11"x17" SCALE: N.T.S.

NOT USED 7



24"x36" SCALE: N.T.S.  
11"x17" SCALE: N.T.S.

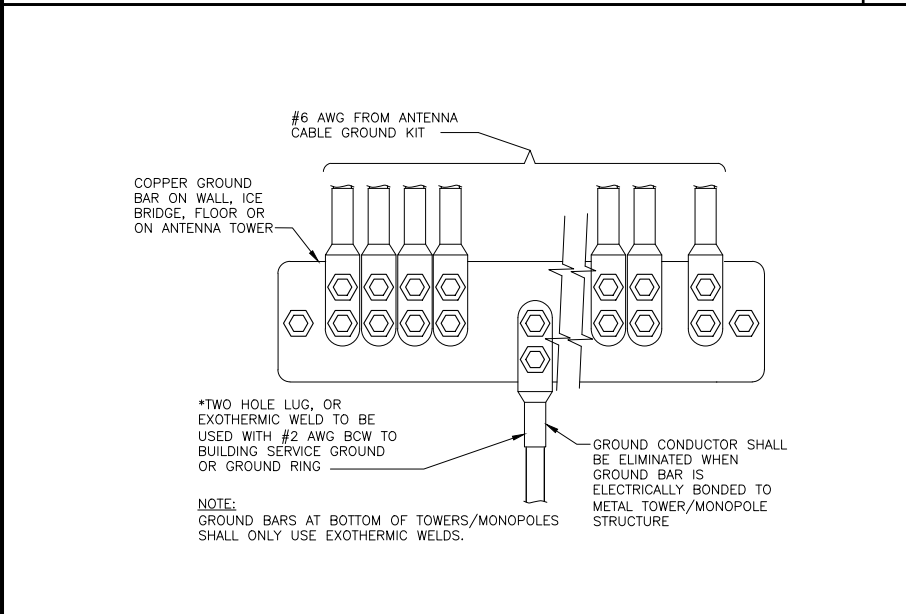
NOT USED 6

24"x36" SCALE: N.T.S.  
11"x17" SCALE: N.T.S.

GROUND BAR 5

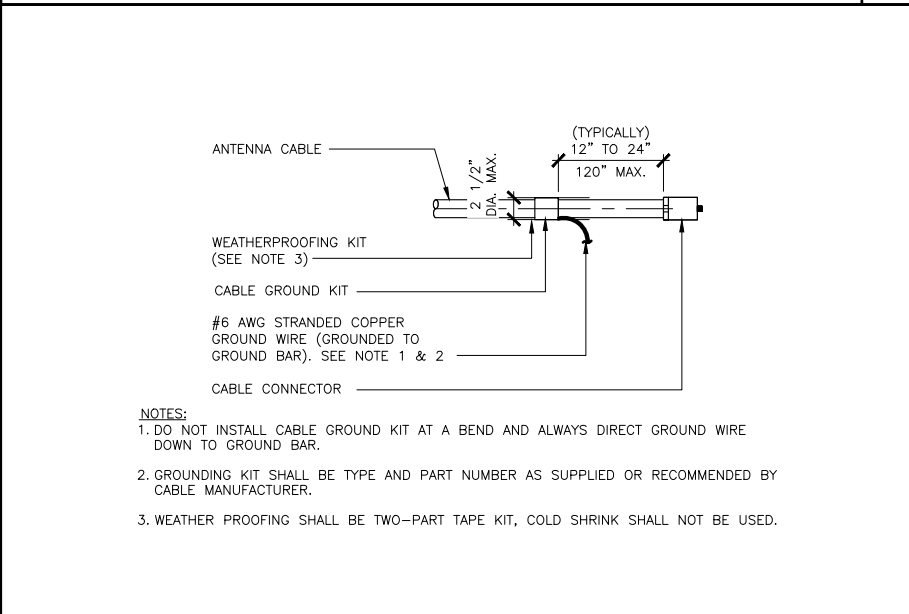
24"x36" SCALE: N.T.S.  
11"x17" SCALE: N.T.S.

CADWELD GROUNDING CONNECTIONS 4



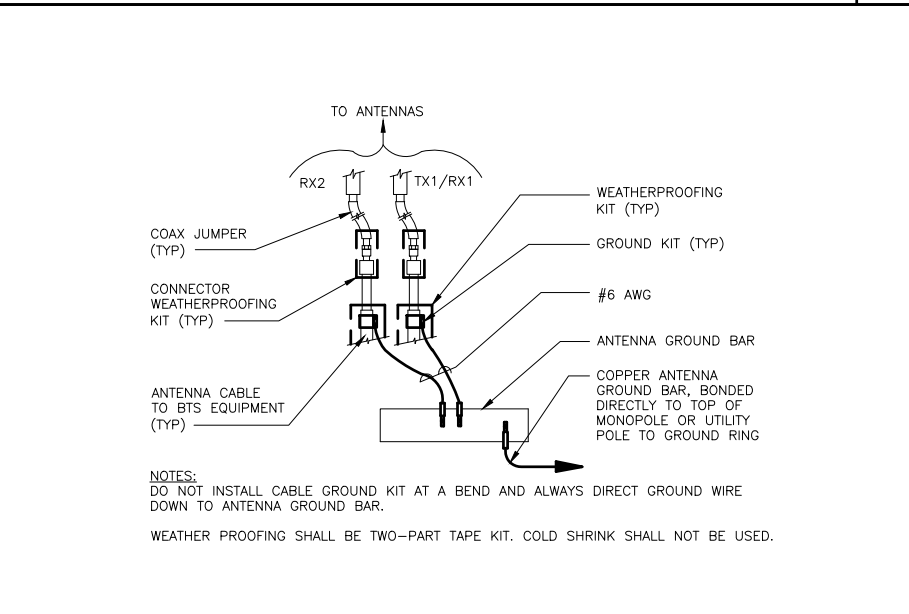
24"x36" SCALE: N.T.S.  
11"x17" SCALE: N.T.S.

GROUNDWIRE INSTALLATION 3



24"x36" SCALE: N.T.S.  
11"x17" SCALE: N.T.S.

CABLE GROUND KIT CONNECTIONS 2



24"x36" SCALE: N.T.S.  
11"x17" SCALE: N.T.S.

GROUNDING CABLE CONNECTIONS 1

**REFERENCES:**

THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING AND UNDERSTANDING THE REFERENCED CODES AND STANDARDS. ALL REFERENCES MUST BE CURRENT WITHIN THE LAST FIVE YEARS. THE FOLLOWING CODES AND STANDARDS ARE REFERENCED IN THE STRUCTURAL NOTES:

- ASTM A6 STANDARD SPECIFICATION FOR GENERAL REQUIREMENTS FOR ROLLED STRUCTURAL STEEL BARS, PLATES, SHAPES, AND SHEET PILING
- ASTM A36 STANDARD SPECIFICATION FOR CARBON STRUCTURAL STEEL
- ASTM A53 STANDARD SPECIFICATION FOR PIPE, STEEL, BLACK AND HOT-DIPPED, ZINC-COATED, WELDED AND SEAMLESS
- ASTM A123 STANDARD SPECIFICATION FOR ZINC (HOT-DIP GALVANIZED) COATINGS ON IRON AND STEEL PRODUCTS
- ASTM A153 STANDARD SPECIFICATION FOR ZINC COATING (HOT DIP) ON IRON AND STEEL HARDWARE
- ASTM A307 STANDARD SPECIFICATION FOR CARBON STEEL BOLTS AND STUDS, 60 000 PSI TENSILE STRENGTH
- ASTM A325 STANDARD SPECIFICATION FOR STRUCTURAL BOLTS, STEEL, HEAT TREATED, 120/105 KSI MINIMUM TENSILE STRENGTH
- ASTM A385 STANDARD PRACTICE FOR PROVIDING HIGH-QUALITY ZINC COATINGS (HOT-DIP)
- ASTM A490 STANDARD SPECIFICATION FOR STRUCTURAL BOLTS, ALLOY STEEL, HEAT TREATED, 150 KSI MINIMUM TENSILE STRENGTH
- ASTM A500 STANDARD SPECIFICATION FOR COLD-FORMED WELDED AND SEAMLESS CARBON STEEL STRUCTURAL TUBING IN ROUNDS AND SHAPES
- ASTM A563 STANDARD SPECIFICATION FOR CARBON AND ALLOY STEEL NUTS
- ASTM A568 STANDARD SPECIFICATION FOR STEEL, SHEET, CARBON, STRUCTURAL, AND HIGH-STRENGTH, LOW-ALLOY, HOT-ROLLED AND COLD-ROLLED. GENERAL REQUIREMENTS FOR
- ASTM A572 STANDARD SPECIFICATION FOR HIGH-STRENGTH LOW-ALLOY COLUMBIUM-VANADIUM STRUCTURAL STEEL
- ASTM A780 STANDARD PRACTICE FOR REPAIR OF DAMAGED AND UNCOATED AREAS OF HOT DIP GALVANIZED COATINGS
- ASTM A992 STANDARD SPECIFICATION FOR STRUCTURAL STEEL SHAPES
- ASTM B633 STANDARD SPECIFICATION FOR ELECTRODE COATINGS OF ZINC ON IRON AND STEEL
- ASTM B695 STANDARD SPECIFICATION FOR COATINGS OF ZINC MECHANICALLY DEPOSITED ON IRON AND STEEL
- ASTM F436 STANDARD SPECIFICATION FOR HARDENED STEEL WASHERS

AISC MANUAL OF STEEL CONSTRUCTION 14th Ed.

ASCE 07-16 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES  
AWS D1.1 STRUCTURAL WELDING CODE - STRUCTURAL STEEL  
2018 INTERNATIONAL BUILDING CODE

**GENERAL NOTES:**

1. PLANS, SECTIONS, AND DETAILS ARE NOT TO BE SCALED FOR DETERMINATION OF QUANTITIES, LENGTHS, OR FIT OF MATERIALS.
2. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE DRAWINGS, SPECIFICATIONS, AND REFERENCES AS INDICATED IN THESE NOTES.
3. ALL WORK DESCRIBED BY THESE DRAWINGS SHALL BE PERFORMED BY A QUALIFIED CONTRACTOR WITH A MINIMUM OF 5 YEARS OF PAST EXPERIENCE IN THE WORK BEING PERFORMED.
4. THESE STRUCTURAL NOTES PROVIDE STANDARDS FOR MATERIALS AND WORKMANSHIP FOR THE STRUCTURAL PORTION OF THE JOB. REFERENCE THE ARCHITECTURAL DRAWINGS FOR GENERAL NOTES WHICH ADDRESS REQUIREMENTS FOR THE CONTRACTOR, SAFETY, LIMITS OF SCOPE AND LIABILITY, AND EXPECTED WORKMANSHIP.
5. CONTRACTOR SHALL THOROUGHLY INSPECT AND SURVEY THE EXISTING STRUCTURE TO VERIFY DIMENSIONS, ELEVATIONS, FRAMING, ETC. WHICH AFFECT THE WORK SHOWN ON THE DRAWINGS.
6. DISCREPANCIES: THE CONTRACTOR SHALL INFORM RYKA CONSULTING IN WRITING, DURING THE BIDDING PERIOD, OF ANY DISCREPANCIES OR OMISSIONS ON THE DRAWINGS, THE SPECIFICATIONS, OR WITH RESPECT TO EXISTING CONDITIONS FROM THE SITE SURVEY. UPON RECEIPT OF SUCH INFORMATION, THE PROJECT REPRESENTATIVE WILL SEND WRITTEN INSTRUCTIONS TO ALL CONCERNED.

**SHOP DRAWINGS:**

1. ALL FABRICATION / SHOP DRAWINGS ARE TO BE REVIEWED FOR COMPLIANCE TO THE STRUCTURAL DRAWINGS AND SIGNED OFF BY THE STRUCTURAL ENGINEER PRIOR TO FABRICATION.

**STRUCTURAL ERECTION AND BRACING REQUIREMENTS:**

1. THE STRUCTURAL DRAWINGS ILLUSTRATE THE COMPLETED STRUCTURE WITH ALL ELEMENTS IN THEIR FINAL POSITIONS, PROPERLY SUPPORTED AND BRACED.
2. THE CONTRACTOR, IN THE PROPER SEQUENCE, SHALL PROVIDE SHORING AND BRACING AS MAY BE REQUIRED DURING CONSTRUCTION TO ACHIEVE THE FINAL COMPLETED STRUCTURE.
3. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND EXECUTION OF ALL MISCELLANEOUS SHORING, BRACING, TEMPORARY SUPPORTS, GUYING, ETC. NECESSARY TO PROVIDE A COMPLETE AND STABLE STRUCTURE AS SHOWN ON THESE DRAWINGS.

**STRUCTURAL STEEL:**

1. STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED, AND ERECTED IN ACCORDANCE WITH AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS - AISC LOAD AND RESISTANCE FACTOR DESIGN SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS. SUBMIT SHOP DRAWINGS TO THE PROJECT TEAM FOR APPROVAL PRIOR TO FABRICATION.
2. STEEL MEMBERS EXPOSED TO MOISTURE ARE HOT DIPPED GALVANIZED PER ASTM A123. MEMBERS PROTECTED FROM MOISTURE ARE SHOP COAT PAINTED.
3. PRE-QUALIFIED STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING MINIMUM GRADES (SEE FABRICATION DRAWINGS FOR SPECIFIC GRADES FOR SPECIFIC PARTS):
  - WIDE FLANGE                     ASTM A992             Fy = 50 ksi
  - CHANNEL                         ASTM A36             Fy = 36 ksi
  - ANGLE                             ASTM A36             Fy = 36 ksi
  - PLATE                             ASTM A572            Fy = 50 ksi
  - HSS/TUBE SHAPES             ASTM A500 GR.B     Fy = 46 ksi
  - STEEL PIPE                     ASTM A53 GR.B     Fy = 35 ksi
4. FIELD CUT EDGES, EXCEPT DRILLED HOLES, SHALL BE GROUND SMOOTH.

**WELDS:**

1. ALL WELDING TO BE PERFORMED BY AWS CERTIFIED WELDERS AND CONDUCTED IN ACCORDANCE WITH AISC AND AWS WELDING CODE - STEEL AWS D1.1 SPECIFICATIONS AND RECOMMENDATIONS.
2. WELDING TECHNICIANS SHALL BE WABO CERTIFIED.
3. FILLER METAL FOR WELDS SHALL BE 70 KSI, LOW HYDROGEN MATERIAL UNLESS SPECIFIED OTHERWISE.
4. REFER TO STRUCTURAL DRAWINGS FOR ALL FIELD WELD SIZES AND TYPES.
5. PRIOR TO FIELD WELDING GALVANIZED MATERIAL, CONTRACTOR SHALL GRIND OFF GALVANIZING 1/2" BEYOND ALL FIELD WELD SURFACES. REFERENCE CORROSION CONTROL NOTES FOR FINISHING FIELD WELDS.

**BOLTS AND SCREWS:**

1. ALL CONNECTIONS OF STRUCTURAL STEEL MEMBERS SHALL BE MADE USING SPECIFIED HIGH STRENGTH ASTM A325 OR A490 BOLTS WITH THREADS EXCLUDED IN SHEAR PLANE. U-BOLTS ARE ASTM A307 WITH LOCKING DEVICE EXCEPT WHERE NOT APPLICABLE.
2. NUTS CONFORM TO ASTM A563. WASHERS CONFORM TO ASTM F436.
3. THREADED RODS CONFORM TO ASTM A36 UNLESS SPECIFIED OTHERWISE.
4. ANCHOR RODS CONFORM TO ASTM F1554.
5. ALL BOLTS AND SCREWS ARE HOT DIPPED GALVANIZED PER ASTM A153.
6. HOLES FOR BOLTS IN BOTH STEEL AND WOOD CONSTRUCTION ARE 1/16" DIAMETER LARGER THAN THE BOLT DIAMETER.
7. FASTENERS SHALL BE INSTALLED IN PROPERLY ALIGNED HOLES.
8. ALL BOLTS AT EVERY CONNECTION SHALL BE INSTALLED SNUG FIT UNTIL THE SECTION IS FULLY COMPACTED, AND THEN TIGHTENED FURTHER BY AISC - "TURN OF THE NUT", TIGHTENING SHALL PROGRESS SYSTEMATICALLY.
9. BOLT LENGTHS UP TO AND INCLUDING FOUR DIAMETERS SHALL BE TENSIONED 1/3 TURN BEYOND SNUG FIT. BOLT LENGTHS OVER 4 DIAMETERS SHALL BE 1/2 TURN BEYOND SNUG FIT.
10. ALL BOLTED CONNECTIONS SHALL USE LOCK WASHERS.

**CORROSION CONTROL:**

1. ALL STEEL MEMBERS SHALL HAVE CORROSION CONTROL AS STATED BELOW:
  - STEEL MEMBERS SHALL BE HOT DIPPED GALVANIZED PER ASTM A123
  - FASTENERS AND HARDWARE SHALL BE HOT DIPPED GALVANIZED PER ASTM A153, ASTM B695 CLASS 50, OR BE ELECTRO-GALVANIZED PER ASTM B633. (A490 BOLTS SHALL NOT BE HOT DIPPED GALVANIZED)
  - GUYS STANDS SHALL BE PROTECTED IN ACCORDANCE WITH ASTM A475 OR A586 MINIMUM CLASS A COATING
  - GUY ANCHORAGE IN DIRECT CONTACT OF GROUND SHALL BE HOT DIPPED GALVANIZED PER ASTM A123
  - ALL REPAIRS SHALL BE PROTECTED IN ACCORDANCE WITH ASTM A780
2. ALL FIELD CUT SURFACES SHALL BE REPAIRED WITH (2) COATS OF A 95% ZINC RICH PAINT PER ASTM A780.
3. ALL DAMAGED SURFACES, WELDED AREAS AND AUTHORIZED NON-GALVANIZED MEMBERS OR PARTS (EXISTING OR NEW) SHALL BE PAINTED WITH (2) COATS OF ZINC RICH PAINT.

**DESIGN CRITERIA:**

2018 INTERNATIONAL BUILDING CODE  
ASCE 7-16

**SEISMIC DESIGN CRITERIA:**

LATITUDE = 47.1795°  
LONGITUDE = -122.2906°  
MAPPED PARAMETER, S<sub>s</sub> = 1.267 (USGS)  
MAPPED PARAMETER, S<sub>1</sub> = 0.436 (USGS)  
RISK CATEGORY = IV  
IMPORTANCE FACTOR, I<sub>e</sub> = 1.00  
SITE CLASS = D  
SEISMIC DESIGN CATEGORY = D  
AMPLIFICATION FACTOR, A<sub>p</sub> = 1.0  
RESPONSE FACTOR, R<sub>p</sub> = 2.5

**WIND DESIGN CRITERIA:**

WIND EXPOSURE = B  
WIND SPEED, V = 98 MPH  
TOPOGRAPHIC FACTOR, K<sub>zt</sub> = 1.00

Please revise the structural plans to conform to the 2021 International Building Code. [1032 PLAN SET, sheet S-1]



LAND SURVEYING  
ENGINEERING  
ARCHITECTURE  
DRONE INSPECTION  
REAL ESTATE SERVICES



RFDS V1.00 DATED: 02/29/2024

**WA6659**  
**GOOD SAMARITAN**

407 14TH AVE SOUTHEAST  
PUYALLUP, WA 98371  
PIERCE COUNTY

**REVISIONS**

REV.	DATE	DESCRIPTION	BY
A	03/25/24	ISSUED FOR 90% CD REVIEW	NUL
B	04/30/24	ISSUED FOR 100% CD REVIEW	NUL
0	06/31/24	ISSUED FOR 100% CONSTRUCTION	RLD



TITLE  
STRUCTURAL NOTES

SHEET

**S-1**

PROPRIETARY INFORMATION:  
THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO AT&T MOBILITY SERVICES IS STRICTLY PROHIBITED.





LAND SURVEYING  
ENGINEERING  
ARCHITECTURE  
DRONE INSPECTION  
REAL ESTATE SERVICES



RFDS V1.00 DATED: 02/29/2024

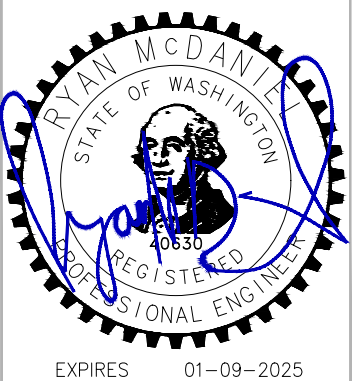
**WA6659**  
**GOOD SAMARITAN**

407 14TH AVE SOUTHEAST  
PUYALLUP, WA 98371  
PIERCE COUNTY

REVISIONS

REV.	DATE	DESCRIPTION	BY
A	03/25/24	ISSUED FOR 90% CD REVIEW	NUL
B	04/30/24	ISSUED FOR 100% CD REVIEW	NUL
0	05/31/24	ISSUED FOR 100% CONSTRUCTION	RLD

05-31-2024

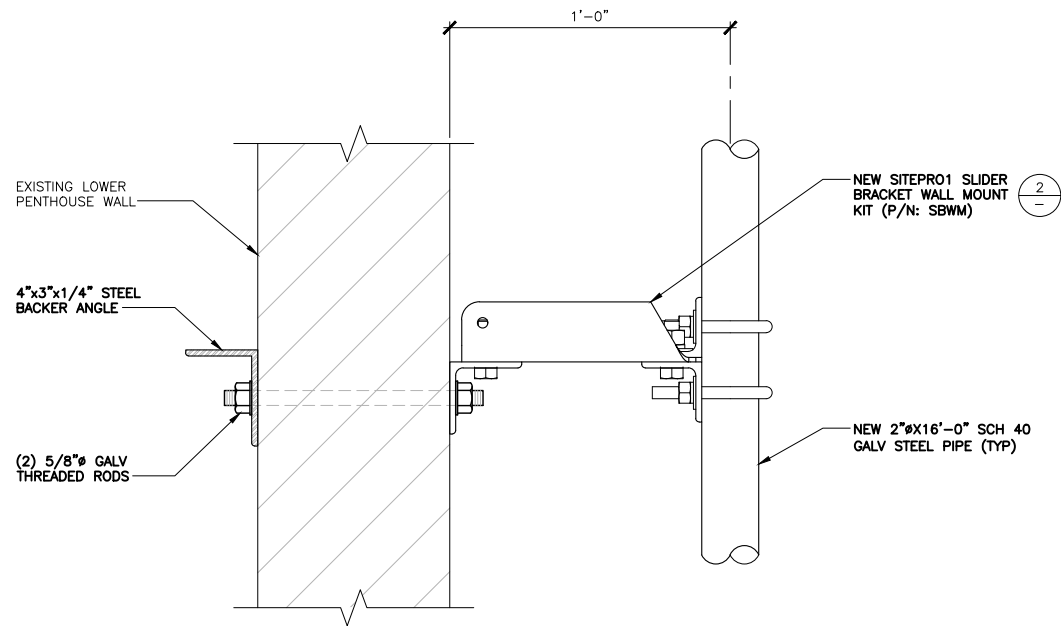


TITLE  
STRUCTURAL DETAILS

SHEET

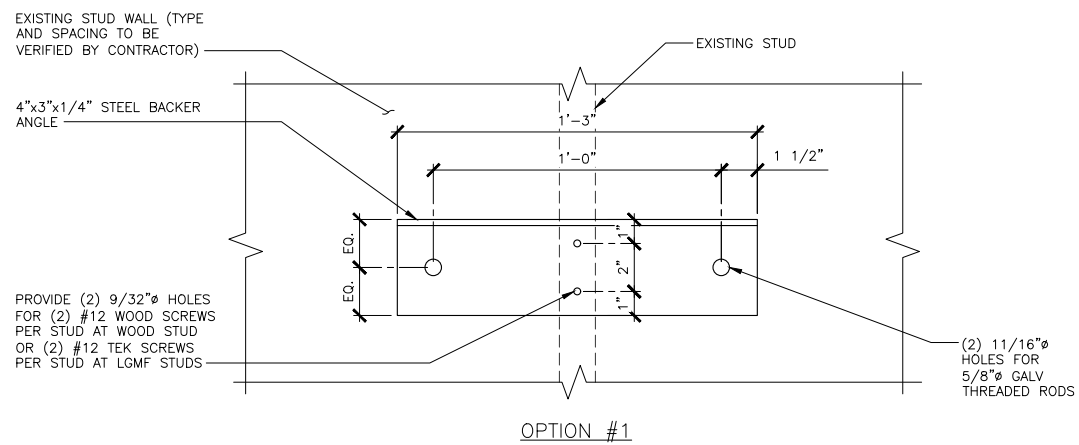
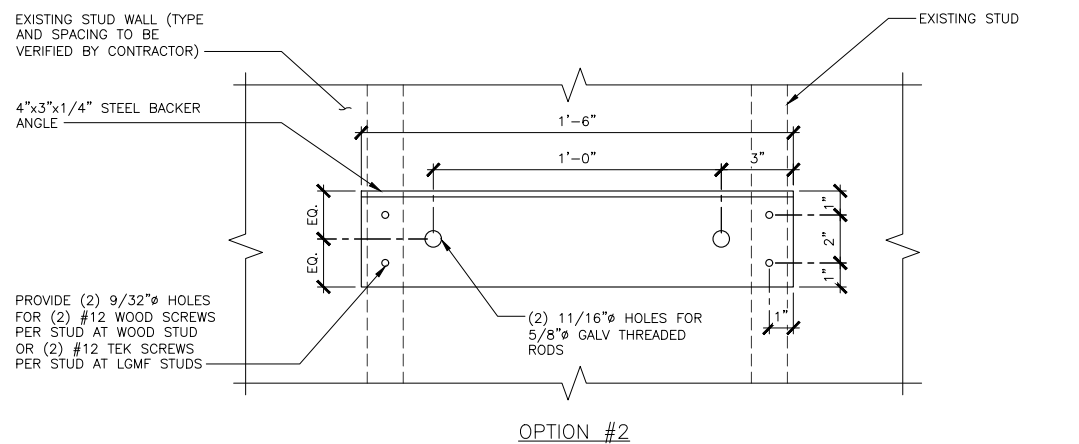
**S-2**

PROPRIETARY INFORMATION:  
THE INFORMATION CONTAINED IN THIS SET OF  
CONSTRUCTION DOCUMENTS IS PROPRIETARY BY  
NATURE. ANY USE OR DISCLOSURE OTHER  
THAN THAT WHICH RELATES TO AT&T MOBILITY  
SERVICES IS STRICTLY PROHIBITED.



12"x24" SCALE: 1-1/2" = 1'-0"  
11"x17" SCALE: 3/4" = 1'-0"

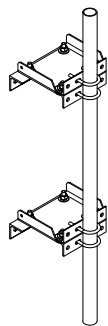
SLIDER BRACKET WALL MOUNT CONNECTION 4



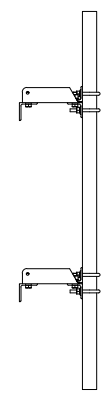
12"x24" SCALE: 1-1/2" = 1'-0"  
11"x17" SCALE: 3/4" = 1'-0"

BACKER ANGLE REQUIREMENTS 3

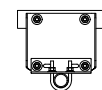
MANUFACTURER: SITE PRO 1  
MODEL: SBWM  
SLIDER BRACKET WALL MOUNT KIT  
WEIGHT: 52 LBS



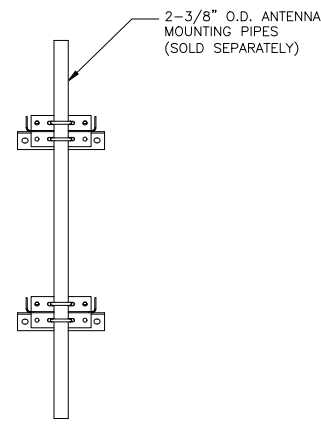
ISOMETRIC VIEW



SIDE VIEW



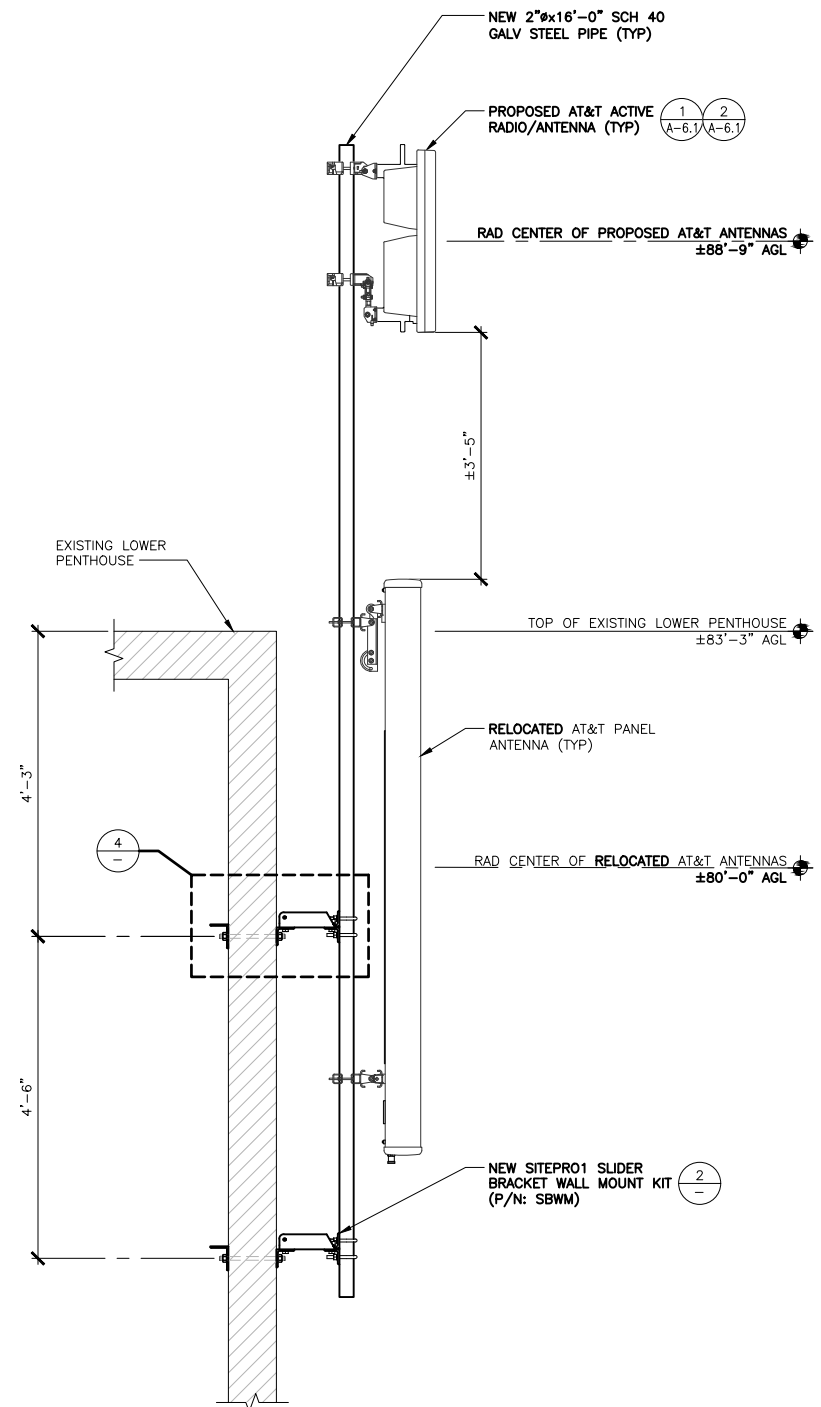
PLAN VIEW



FRONT VIEW

12"x24" SCALE: 3/4" = 1'-0"  
11"x17" SCALE: 3/8" = 1'-0"

SLIDER BRACKET WALL MOUNT 2



12"x24" SCALE: 3/4" = 1'-0"  
11"x17" SCALE: 3/8" = 1'-0"

ANTENNA MOUNTING 1