

L600/67E998E\_10P+1QP  
RFDS VER 4



**SITE NUMBER: SL04115C**      **CITY: HUNTSVILLE**  
**SITE NAME: SNOW\_BASIN\_SKIRUNS**      **COUNTY: WEBER**  
**SITE TYPE: WOOD POLE**      **JURISDICTION: CITY OF HUNTSVILLE**



PROJECT INFORMATION:  
 (L600)  
**SL04115C**  
**SNOW\_BASIN\_SKIRUNS**  
 SE 1/4 SEC.5, T.5N.,R.1E., SLM  
 HUNTSVILLE, UTAH 84317  
 WEBER COUNTY

CURRENT ISSUE DATE:  
 12/14/21

ISSUED FOR:  
**CONSTRUCTION**

REV.: DATE: DESCRIPTION: BY:

0	12/14/21	100% CD	RC

PLANS PREPARED BY:  
 Synergy  
 a division of advantage engineers  
 7543 Woodley Ave., #201, Van Nuys, CA 91406  
 Office: (818) 840-0808 Fax: (818) 840-0708

CONSULTANT:  
 Synergy  
 a division of advantage engineers  
 7543 Woodley Ave., #201, Van Nuys, CA 91406  
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DRAWN BY: \_\_\_\_\_ CHK.: \_\_\_\_\_ APV.: \_\_\_\_\_  
 RC      TMH      TMH

LICENSURE:  
 SHEET TITLE:

**TITLE SHEET**

SHEET NUMBER: **T-1**      REVISION: **0**  
 SL04115C

**PROJECT SUMMARY**

**SITE ADDRESS:**  
 SE 1/4 SEC.5, T.5N.,R.1E., SLM  
 HUNTSVILLE, UTAH 84317

**PROPERTY OWNER CONTACT:**  
 SNOWBASIN RESORT COMPANY  
 3925 SNOW BASIN RD  
 HUNTSVILLE, UTAH 84317

**APPLICANT:**  
 T-MOBILE WEST LLC  
 121 SOUTH ELECTION RD. SUITE 330  
 DRAPER, UT 84020

**REPRESENTATIVE:** ELIZABETH FASSLER  
**T-MOBILE PROJECT MANAGER:** SEAN MADDOX  
**PROJECT MANAGER:** VINNY ROWE  
**CONSTRUCTION MANAGER:** JAMES PEMBERTON

**CONSULTING TEAM**

**SAC/ZONING/PERMITTING:**  
 SYNERGY A DIVISION OF  
 ADVANTAGE ENGINEERS, LLC  
 3663 N. LAUGHLIN RD. STE. 201  
 SANTA ROSA, CA 95403  
 CONTACT: SEAN MADDOX  
 PHONE: (619) 804-3668

**ARCHITECTURAL/ENGINEERING:**  
 ADVANTAGE ENGINEERS, LLC  
 7151 COLUMBIA GATEWAY DR., SUITE A  
 COLUMBIA, MD 21046  
 CONTACT: TRISTRAM HOKENSON, P.E.  
 PHONE: (443) 367-0003

**STRUCTURAL ENGINEERING:**  
 ADVANTAGE ENGINEERS, LLC  
 7151 COLUMBIA GATEWAY DR., SUITE A  
 COLUMBIA, MD 21046  
 CONTACT: TRISTRAM HOKENSON, P.E.  
 PHONE: (443) 367-0003

**LATITUDE / LONGITUDE**

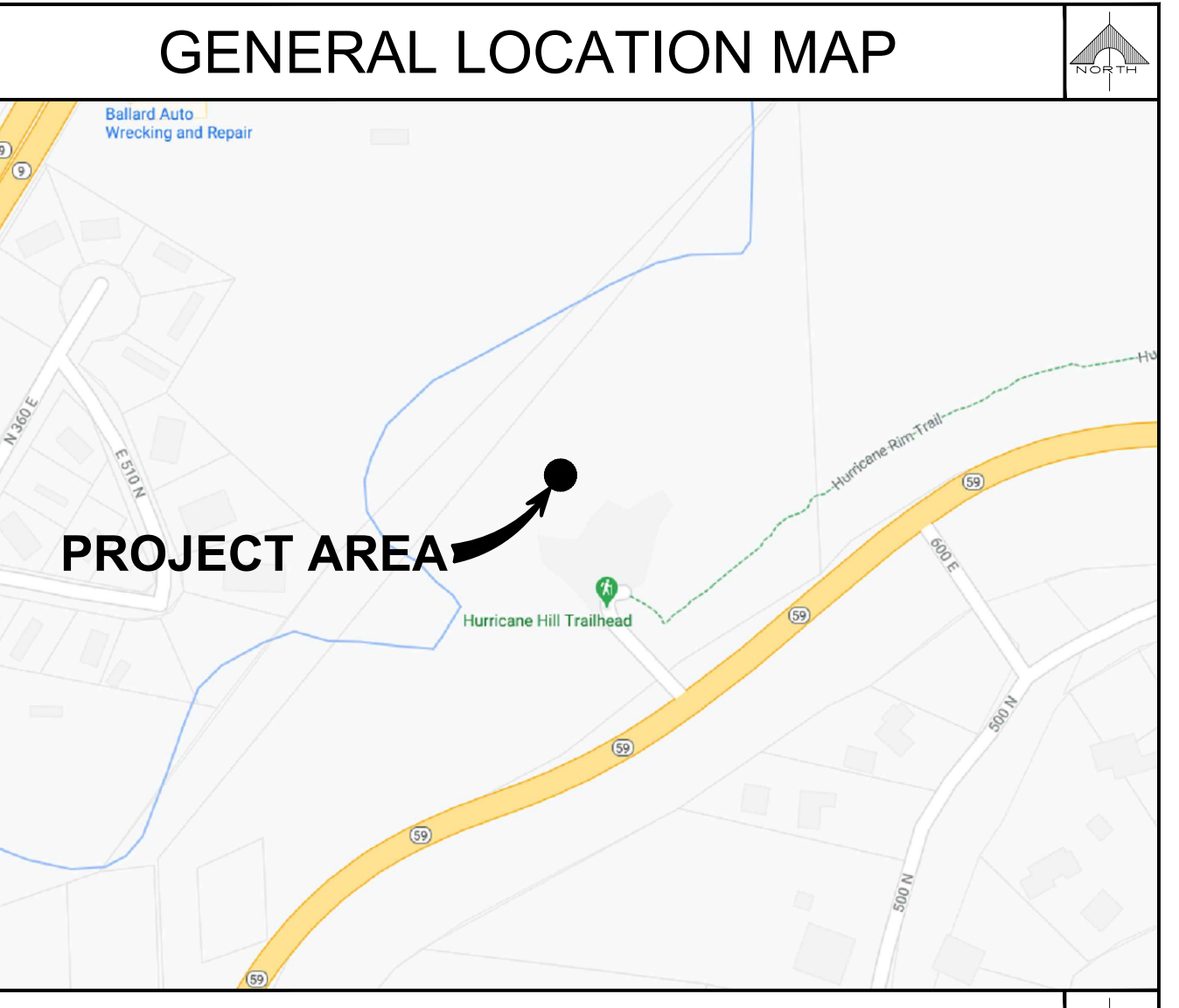
LAT: 41° 11' 47.2" N      LAT: 41.196445°  
 LONG: -111° 51' 32.0" W      LONG: -111.858890°  
 ELEV: 7850 FT

**UTILITY PURVEYOR**

**POWER:** COMPANY: PG&E      **TELCO:** COMPANY: AT&T

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**SITE SUMMARY**

OCCUPANCY CLASSIFICATION: U (UNMANNED TELECOMMUNICATIONS FACILITY)  
 OCCUPANCY CLASSIFICATION MAIN BUILDING: GENERAL COMMERCIAL  
 ZONE CLASSIFICATION: HIGH AND LOW DENSITY RESIDENTIAL  
 BUILDING TYPE: N/A  
 APN: TBD

**PROJECT DESCRIPTION**

THE PROJECT ENTAILS:  
 T-MOBILE PROPOSES TO MODIFY (E) WIRELESS TELECOMMUNICATIONS SITE BY:

**ANCHOR:**

- REMOVE (2) EXISTING RR33-20-00DP ANTENNAS, (1) PER SECTOR
- REMOVE (4) EXISTING AWC/PCS DIPLEXER, (2) PER SECTOR
- REMOVE (2) EXISTING TRX, (1) PER SECTOR
- ADD (2) NEW APXVAALL24\_43-U-NA20 ANTENNAS, (1) PER SECTOR
- ADD (2) NEW APXVLL19P\_43-C-A20 ANTENNAS, (1) PER SECTOR
- ADD (2) NEW RADIO 4480 B71+B85, (1) PER SECTOR
- ADD (2) NEW RADIO 4460 B25+B66, (1) PER SECTOR

**EQUIPMENT NOTE:**

- REMOVE (2) RUS01 B2
- REMOVE (4) RUS01 B4
- REMOVE (1) RBS 6201 EQUIPMENT CABINET
- REMOVE ALL (7) COAX IN NOT IN SERVICE
- RETAIN (1) DUG20 AND (1) BB 6630
- RETAIN (1) CSR 7705 SAR M
- ADD (1) NEW 6160 SITE SUPPORT CABINET
- ADD (1) NEW B160 BATTERY CABINET
- ADD (1) BB 6648 AND (1) RBS6601 TO 6160 SITE SUPPORT CABINET
- ADD (1) PSU 4813
- ADD (1) 6X24 HCS 4AWG (30M)
- ADD (1) CSR IXRE V2 (GEN2)
- ADD (1) GPS ANTENNA

**APPROVAL**

THE FOLLOWING PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS AND AUTHORIZE THE CONTRACTOR TO PROCEED WITH THE CONSTRUCTION DESCRIBED HEREIN. ALL CONSTRUCTION DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT AND ANY CHANGES AND MODIFICATIONS THEY MAY IMPOSE.

	PRINT NAME	SIGNATURE	DATE
LANDLORD:	_____	_____	_____
ZONING MGR:	_____	_____	_____
DEVELOP. MGR:	_____	_____	_____
CONST. MGR:	_____	_____	_____
PROJECT MGR:	_____	_____	_____
SR. RF ENGINEER:	_____	_____	_____
RF ENGINEER:	_____	_____	_____
OPERATIONS:	_____	_____	_____
SAC REP.:	_____	_____	_____
UTILITIES:	_____	_____	_____
REAL ESTATE MGR:	_____	_____	_____

**LEGAL DESCRIPTION**

TBD

**ACCESSIBILITY REQUIREMENTS**

THE FACILITY IS UNMANNED AND NOT FOR CONTINUOUS HUMAN HABITATION. HANDICAPPED ACCESS IS NOT REQUIRED PER THE BUILDING CODE 2018 OF UTAH, SECTION 1103.2.7 (LIMITED ACCESS SPACES) SECTION 1103.2.9 (EQUIPMENT SPACES)

**CODE COMPLIANCE**

- BUILDING CODE 2018 OF UTAH
- COMMERCIAL ENERGY CONSERVATION CODE 2018 OF UTAH
- MECHANICAL CODE 2018 OF UTAH
- PLUMBING CODE 2018 OF UTAH
- ANSI / TIA-222-H-2017
- CITY / COUNTY ORDINANCES
- FIRE CODE 2018 OF UTAH
- ASCE 7-16
- ACI 318-14
- AISC STEEL CONSTRUCTION MANUAL, 15TH EDITION

**DRIVING DIRECTION**

FROM T-MOBILE OFFICE: 121 SOUTH ELECTION RD. SUITE 330, DRAPER, UT 84020  
 HEAD NORTH TOWARD S ELECTION RD, TURN LEFT TOWARD S ELECTION RD, TURN RIGHT TOWARD S ELECTION RD, TURN LEFT ONTO S ELECTION RD, TURN RIGHT ONTO LONE PEAK PKWY, TURN RIGHT ONTO UT-175/W 11400 S, USE THE LEFT 2 LANES TO MERGE WITH I-15 N VIA THE RAMP TO SALT LAKE CITY, KEEP LEFT TO STAY ON I-15 N, KEEP LEFT TO STAY ON I-15 N, KEEP LEFT TO STAY ON I-15 N, USE THE RIGHT LANE TO TAKE EXIT 331 FOR UT-232 E, USE ANY LANE TO TURN RIGHT ONTO UT-232 N/N HILL FIELD RD, TURN RIGHT ONTO UT-193 E/W 3000 N, TURN LEFT ONTO THE US-89 N RAMP, USE THE RIGHT LANE TO MERGE WITH I-84 E VIA THE RAMP TO MORGAN, TAKE EXIT 92 FOR UT-167 TOWARD MOUNTAIN GREEN/HUNTSVILLE, TURN LEFT ONTO UT-167 N, TURN RIGHT TO STAY ON UT-167 N, TURN LEFT TO STAY ON UT-167 N, TURN LEFT ONTO UT-226 W, TURN LEFT, SLIGHT LEFT, TURN RIGHT, SLIGHT LEFT AT SHELBY JOHN RD, TURN LEFT AT ELOISE RD, TURN LEFT, SLIGHT RIGHT.

**ROOFING & WATERPROOFING NOTES**

- 1. CONTRACTOR SHALL CONTACT THE BUILDING OWNER TO DETERMINE IF ROOF IS UNDER WARRANTY... CONTRACTOR SHALL GUARANTEE THAT ANY AND ALL NEW ROOFING WORK MEETS THE SPECIFICATION OF ANY EXISTING ROOFING WARRANTIES...
2. CONTRACTOR SHALL USE METHODS AND MATERIALS SIMILAR AND COMPATIBLE WITH EXISTING MATERIALS & CONDITIONS FOR ROOF PATCHING, NEW PENETRATIONS, ETC.
3. THE CONTRACTOR SHALL PROPERLY SEAL ALL NEW ROOF & BUILDING ENVELOPE PENETRATIONS SUCH THAT THE INTEGRITY OF THE ORIGINAL BUILDING ASSEMBLY AND ALL APPLICABLE WARRANTIES ARE MAINTAINED.
4. IF IT DEEMED NECESSARY TO REMOVE EXISTING FINISHED AND/OR MATERIALS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECONSTRUCTING FINISHES AND MATERIALS TO LINE-NEW CONDITIONS...
5. AT THE CLIENT CONSTRUCTION MANAGER'S DISCRETION, THE CONTRACTOR SHALL PROVIDE ROOFTOP WALKPADS TO ALL NEW EQUIPMENT INCLUDING ANTENNAS AND BTS UNITS...

**PENETRATION AT FIRE RATED ASSEMBLIES NOTES**

- 1. AT THE CLIENT PROJECT MANAGER'S DIRECTION, THE CONTRACTOR SHALL PROVIDE "HILTI" HIGH PERFORMANCE FIRESTOP SYSTEM #FS601 AT ALL FIRE RATED PENETRATIONS...
2. ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE CONSTRUCTED SO AS TO MAINTAIN AN EQUAL OR GREATER FIRE RATING.

**GENERAL NOTES**

- 1. THE LATEST EDITION OF THE AMERICAN INSTITUTE OF ARCHITECTS DOCUMENT A201 "GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION" ARE INCLUDED IN THESE SPECIFICATIONS...
2. THESE NOTES SHALL BE CONSIDERED A PART OF THE WRITTEN SPECIFICATION.
3. THIS FACILITY IS AN UNOCCUPIED T-MOBILE TELECOMMUNICATIONS SITE AND IS EXEMPT FROM DISABLED ACCESS REQUIREMENTS.
4. PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTOR PARTICIPATING SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH ALL FIELD CONDITIONS...
5. THE CONTRACTOR SHALL INCLUDE IN THE BID ALL MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE THE WORK AS INDICATED...
6. THE CONTRACTOR SHALL PROVIDE CONTINUOUS SUPERVISION WHILE ANY SUBCONTRACTORS OR WORKMEN ARE IN THE SITE...
7. WORKMANSHIP THROUGHOUT SHALL BE OF THE BEST QUALITY OF THE TRADE INVOLVED...
8. INSTALL ALL EQUIPMENT AND MATERIALS PER THE LATEST EDITION OF THE MANUFACTURER'S INSTALLATION SPECIFICATIONS...
9. THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL GIVE ALL NOTICES AND SHALL COMPLY WITH ALL APPLICABLE LOCAL CODES...
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL REMEDY ALL FAULTY, INFERIOR, AND/OR IMPROPER MATERIALS, DAMAGED GOODS, AND/OR FAULTY WORKMANSHIP FOR ONE (1) YEAR AFTER THE PROJECT IS COMPLETE...

NCRA NATIONAL ROOFING CONTRACTORS ASSOCIATION
0' HARE INTERNATIONAL CENTER
10255 W. HIGGENS ROAD, SUITE 600
ROSEMONT, IL 60018
SMACNA SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
4201 LAFAYETTE CENTER DRIVE
CHANTILLY, VA 20151
IILP INTERNATIONAL INSTITUTE FOR LATH AND PLASTER
P.O. BOX 1663
LAFAYETTE, CA 94549

**GENERAL NOTES (CONTINUATION)**

- 11. THE GENERAL CONTRACTOR MUST PERFORM WORK DURING PROPERTY OWNER'S PREFERRED HOURS TO AVOID DISRUPTION OF NORMAL ACTIVITY.
12. ALL EXPOSED METAL SHEET SHALL BE HOT-DIPPED GALVANIZED.
13. PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A OR 2-A10BC WITHIN 75'-0" TRAVEL DISTANCE TO ALL PORTIONS OF THE PROJECT AREA CONSTRUCTION.
14. THE GOVERNING AGENCIES, CODE AUTHORITIES, AND BUILDING INSPECTORS SHALL PROVIDE THE MINIMUM STANDARDS FOR CONSTRUCTION TECHNIQUES, MATERIALS, AND FINISHES USED THROUGHOUT THE PROJECT...
15. PRIOR TO STARTING CONSTRUCTION OF THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES, AND TO PROTECT THEM FROM DAMAGE...
16. A COPY OF THE APPROVED PLANS SHALL BE KEPT IN A PLACE SPECIFIED BY THE GOVERNING AGENCY...
17. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE ALL CONSTRUCTION SETS REFLECT THE SAME INFORMATION AS THE APPROVED PLANS...
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE SECURITY OF THE SITE FROM THE START TO THE COMPLETION OF THE PROJECT...
19. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY POWER, WATER AND TOILET FACILITIES.
20. ALL CONSTRUCTION PHASES OF THE PROJECT SHALL CONFORM TO THE CURRENT GOVERNING CODES.
21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL SAFETY PRECAUTIONS AND REGULATIONS DURING THE WORK...
22. THE CONTRACTOR SHALL SUPERVISE AND COORDINATE ALL WORK, USING PROFESSIONAL KNOWLEDGE AND SKILLS...
23. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN AND PAY FOR ALL PERMITS, LICENSES AND/OR INSPECTIONS TO COMPLETE THE PROJECT...
24. ALL DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE UNLESS OTHERWISE NOTED.
25. THE CONTRACTOR SHALL PROVIDE THE FIRE MARSHALL APPROVED MATERIALS TO FILL/SEAL PENETRATIONS THROUGH THE FIRE RATE ASSEMBLIES.
26. PROPOSED CONSTRUCTION ADDED TO EXISTING CONSTRUCTION SHALL BE MATCHED IN FORM, TEXTURE, MATERIAL AND PAINT COLOR...
27. WHERE SPECIFIED, MATERIALS TESTING SHALL BE TO THE LATEST STANDARDS AVAILABLE...
28. ALL GENERAL NOTES AND STANDARD DETAILS ARE THE MINIMUM REQUIREMENTS TO BE USED IN CONDITIONS WHICH ARE NOT SPECIFICALLY SHOWN OTHERWISE.
29. ALL DEBRIS AND REFUSE IS TO BE REMOVED FROM THE PROJECT DAILY...
30. ALL SYMBOLS AND ABBREVIATIONS ARE CONSIDERED CONSTRUCTION INDUSTRY STANDARDS...
31. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE METHODS, TECHNIQUES AND SEQUENCES OF PROCEDURES TO PERFORM THE WORK...
32. CONTRACTORS SHALL BID WALK THE PROJECT TO ASCERTAIN CONDITIONS WHICH MAY ADVERSELY AFFECT THE WORK OR COST THEREOF.
33. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, THE DIMENSIONS, ELEVATIONS, ETC. NECESSARY FOR THE PROPER CONSTRUCTION...
34. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HEREON OR NOT...
35. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN WORK, SHALL BE PROTECTED AT ALL TIMES...
36. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF WORK...
37. NO CHANGES ARE TO BE MADE TO THESE PLANS WITHOUT THE KNOWLEDGE AND WRITTEN CONSENT OF THE ARCHITECT/ENGINEER...
38. ANY REFERENCES TO THE WORDS APPROVED, OR APPROVAL IN THESE DOCUMENTS SHALL BE HERE DEFINED TO MEAN GENERAL ACCEPTANCE OR REVIEW...

**GENERAL NOTES (CONTINUATION)**

- 39. A PRE-CONSTRUCTION CONFERENCE OF REPRESENTATIVES FROM AFFECTED AGENCIES SHALL BE HELD ON THE JOB AT LEAST ONE (1) WEEK PRIOR TO BEGINNING CONSTRUCTION.
40. DRAWINGS ARE NOT TO BE SCALED UNDER ANY CIRCUMSTANCES...
41. DETAILS INCLUDED HEREIN ARE INTENDED TO SHOW END RESULT OF DESIGN...
42. THE PREPARATION OF THE SITE FOR CONSTRUCTION SHALL INCLUDE THE REMOVAL OF ALL BROKEN CONCRETE, TREE TRUNKS AND ANY OTHER DEBRIS...
43. BACKFILL ALL TRENCHES WITH CLEAN, STERILE SOIL HAVING A SAND EQUIVALENT OF 30% OR GREATER...
44. FOUNDATION FOOTINGS SHALL EXTEND INTO AND BEAR AGAINST NATURAL UNDISTURBED SOIL...
45. SHOULD ANY LOOSE FILL, EXPANSIVE SOIL, GROUND WATER OR ANY OTHER UNEXPECTED CONDITIONS BE ENCOUNTERED...
46. WITHIN AN AREA A MINIMUM OF 5'-0" BEYOND THE BUILDING LIMITS, EXCAVATE A MINIMUM OF 4" OF EXISTING SOIL...
47. THE SURFACE OF THE EXPOSED SUBGRADE SHALL BE INSPECTED BY PROBING OR TESTING TO CHECK FOR POCKETS OF SOFT OR UNSUITABLE MATERIAL...
48. PROOF ROLL THE SURFACE OF THE EXPOSED SUBGRADE WITH A LOADED TANDEM AXLE DUMP TRUCK...
49. FILL ALL EXCAVATED AREAS WITH APPROVED CONTROLLED FILL...
50. ANY STRUCTURAL DRAWINGS HERE IN REPRESENT THE FINISHED STRUCTURE...
51. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL PROTECT ALL AREAS FROM DAMAGE WHICH MAY OCCUR DURING CONSTRUCTION...
52. WHEN REQUIRED STORAGE OF MATERIALS OCCURS, THEY SHALL BE EVENLY DISTRIBUTED OVER THE FLOOR OR ROOF...
53. PRIOR TO PROCEEDING WITH ANY WORK WITHIN AN EXISTING FACILITY...
54. THE ARCHITECT/ENGINEER IS NOT RESPONSIBLE FOR COMPLICATIONS, DAMAGES, INJURY, OR DEATH ARISING OUT OF ANY KIND OF NEGLIGENCE...

**SHOP DRAWING REVIEW**

- 1. REVIEW BY THE ARCHITECT/ENGINEER IS FOR GENERAL COMPLIANCE WITH THE DESIGN CONCEPT AND THE CONTRACT DOCUMENTS, MARKINGS OR COMMENTS SHALL NOT BE CONSTRUED AS RELIEVING THE CONTRACTOR FROM COMPLIANCE WITH THE PROJECT PLANS AND SPECIFICATIONS...

**LANDLORD/LESSOR NOTES**

- 1. A PRECONSTRUCTION CONFERENCE OF REPRESENTATIVES FROM APPLICABLE AGENCIES SHALL BE HELD ON SITE AT LEAST ONCE PRIOR TO BEGINNING CONSTRUCTION...
2. CONTRACTOR SHALL MAINTAIN ACCESS TO THE SITE AT ALL TIMES FOR LANDLORD/LESSOR PERSONNEL...
3. THE CONTRACTOR AND CELL CARRIER SHALL BE RESPONSIBLE FOR ANY DAMAGE DUE TO CONSTRUCTION ACTIVITIES...
4. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (DIG ALERT) AT LEAST TWO (2) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION...
5. ALL PROPOSED AND EXISTING FACILITIES OWNED BY THE REPRESENTED CELLULAR CARRIER SHALL BE PROPERLY TAGGED IDENTIFYING THE OWNER'S NAME...
6. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THE SITE IS SECURE DURING BOTH WORKING AND NON-WORKING HOURS.

**ACCESSIBILITY EXCEPTION NOTES**

- 1. SECTION 1103.2.7: LIMITED ACCESS SPACES - SPACES NOT CUSTOMARILY OCCUPIED AND ACCESSED ONLY BY LADDERS, CATWALKS, CRAWL SPACES, FREIGHT ELEVATORS, OR VERY NARROW PASSAGEWAYS SHALL NOT BE REQUIRED TO COMPLY WITH THESE REQUIREMENTS OR TO BE ON AN ACCESSIBLE ROUTE.
2. SECTION 1103.2.9: EQUIPMENT SPACES - SPACES FREQUENTED ONLY BY SERVICE PERSONNEL FOR MAINTENANCE, REPAIR OR OCCASIONAL MONITORING OF EQUIPMENT SHALL NOT BE REQUIRED TO COMPLY WITH THIS REQUIREMENT...

**GENERAL RF NOTES**

- 1. ALL ANTENNAS AND ANTENNA CABLE SHALL BE FURNISHED BY T-MOBILE WIRELESS AND INSTALLED BY ANTENNA INSTALLATION CONTRACTOR.
2. PRIOR TO INSTALLATION OF ANTENNAS THE CONTRACTOR SHALL VERIFY THAT THE AZIMUTH AND DIMENSIONS SHOWN ON THE PLANS MATCH ACTUAL FIELD CONDITIONS.
3. ANTENNA INSTALLATION CONTRACTOR SHALL PROVIDE ALL CONDUIT, CABLE TRAYS, GROUND KITS, CLAMPS, GROUNDS, ETC., FOR COMPLETE INSTALLATION...
4. ANTENNA CONDUIT SHALL INCLUDE FACTORY-MADE LARGE RADIUS SWEEPS AT ALL CHANGES IN DIRECTION...
5. ALL UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC WITH STEEL BENDS...
6. IN HIGH TRAFFIC AREAS OR WHERE SUSCEPTIBLE TO DAMAGE CONTRACTOR SHALL PROVIDE FORMED 14 GA GALVANIZED SHEET METAL COVER...
7. VERIFY ROUTE AND LENGTH OF CABLE PRIOR TO CUTTING...
8. MAXIMUM LENGTH OF 7/8" COAXIAL CABLE SHALL BE 140'-0". MAXIMUM LENGTH OF 1-5/8" COAXIAL CABLE SHALL BE 240'-0".
9. VERIFY MODEL NUMBERS OF ANTENNAS WITH T-MOBILE WIRELESS SERVICES.
10. THE CONTRACTOR SHALL PROVIDE TESTING OF ANTENNAS AND SHALL PROVIDE DOCUMENTATION TO THE T-MOBILE WIRELESS PROJECT MANAGER.
11. INSTALL EMBOSSED ALUMINUM IDENTIFICATION TAGS AT THE END OF THE MAIN COAXIAL CABLE RUNS...

**NOTE:** CONTRACTOR TO FIELD VERIFY ALL (E) CONSTRUCTION CONDITIONS BEFORE SUBMITTAL OF FINAL BIDS, START OF CONSTRUCTION AND OR FABRICATION.

T-Mobile Stick Together logo
121 SOUTH ELECTION RD. SUITE 330
DRAPER, UT 84103

PROJECT INFORMATION:
(L600)
SL04115C
SNOW\_BASIN\_SKIRUNS
SE 1/4 SEC.5, T.5N.,R.1E., SLM
HUNTSMVILLE, UTAH 84317
WEBER COUNTY

CURRENT ISSUE DATE:
12/14/21

ISSUED FOR:
CONSTRUCTION

Table with columns: REV., DATE, DESCRIPTION, BY. Row 1: Delta symbol, 12/14/21, 100% CD, RC.

PLANS PREPARED BY:
Synergy advantage engineers
7543 Woodley Ave., #201, Van Nuys, CA 91406
Office: (818) 840-0808 Fax: (818) 840-0708

CONSULTANT:
Synergy advantage engineers
7543 Woodley Ave., #201, Van Nuys, CA 91406
Office: (818) 840-0808 Fax: (818) 840-0708

Table with columns: DRAWN BY, CHK., APV. Row 1: RC, TMH, TMH.

LICENSURE:
SHEET TITLE:

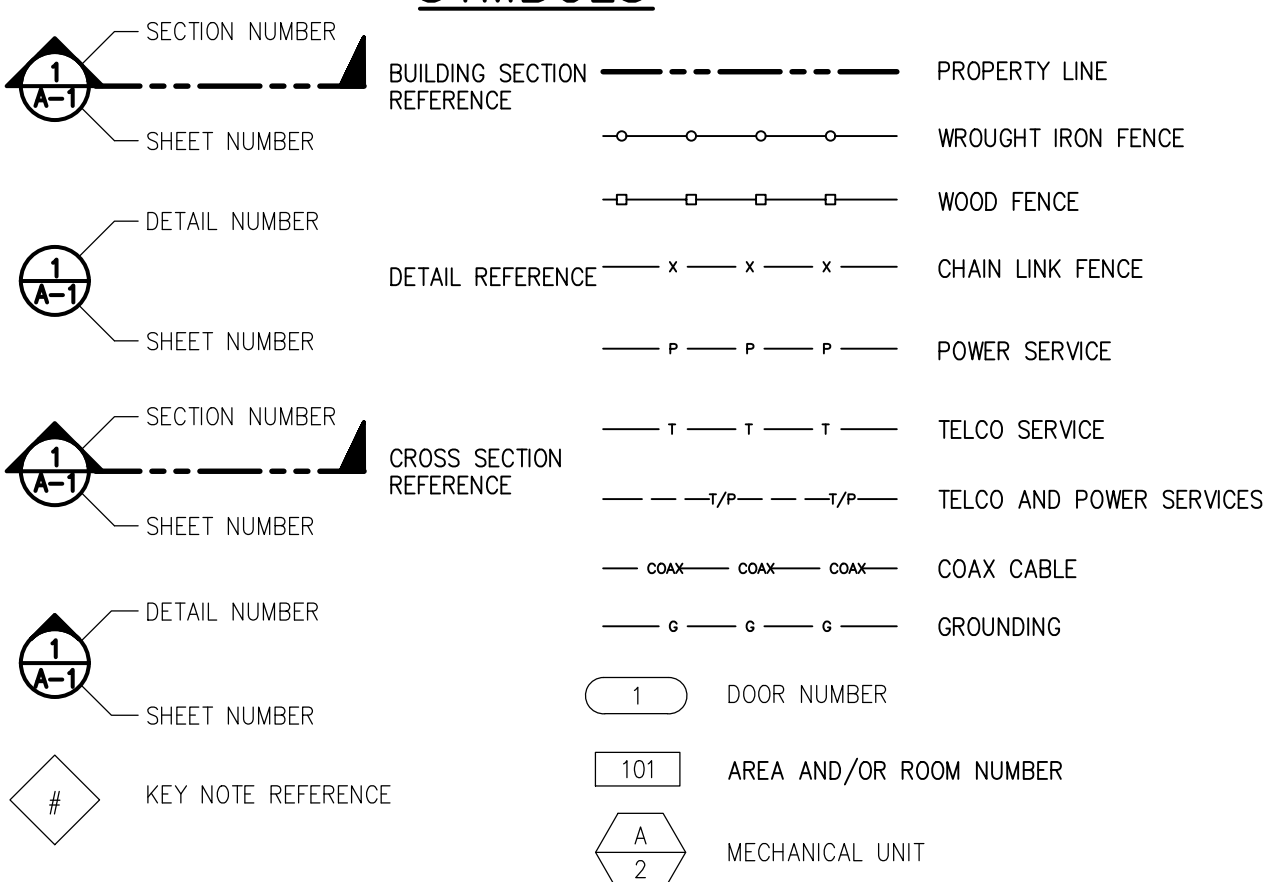
GENERAL NOTES

SHEET NUMBER: T-2 REVISION: 0
SL04115C

## ABBREVIATIONS

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



## PAINTING SPECIFICATIONS

- A. GENERAL
- ALL PAINT PRODUCT LINES SHALL BE SHERWIN WILLIAMS UNLESS SPECIFICALLY NOTED OTHERWISE.
  - CONTRACTOR SHALL PREPARE ALL SURFACES AND APPLY ALL FINISHES PER LATEST EDITION OF MANUFACTURER'S SPECIFICATIONS.
  - COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS REGARDING SUFFICIENT DRYING TIME BETWEEN COATS WITH PROVISIONS AS RECOMMENDED BY MANUFACTURER FOR EXISTING WEATHER CONDITIONS.
  - FINISH COLOR AND TEXTURE OF ALL PAINTED SURFACES SHALL MATCH EXISTING ADJACENT SURFACES UNLESS OTHERWISE NOTED.
  - ALL PAINT MATERIAL DATA SHEETS SHALL BE PROVIDED TO THE T-MOBILE CONSTRUCTION MANAGER.
  - PREPARE PREVIOUSLY PAINTED SURFACE BY LIGHT SANDING WITH 400 GRIT SANDPAPER AND NON-HYDROCARBON WASH. PREPARE GALVANIZED SURFACES BY ACID ETCH OR SOLVENT CLEANING IN ACCORDANCE WITH SSPC-SP1.
  - FURNISH DROP CLOTHES, SHIELDS, MASKING AND PROTECTIVE METHODS TO PREVENT SPRAY OR DROPPINGS FROM DAMAGING ADJACENT SURFACES AND FACILITIES.
  - APPLY PAINT BY AIRLESS SPRAY, SANDING LIGHTLY BETWEEN EACH SUCCEEDING ENAMEL COAT ON FLAT SURFACES. APPLY MATERIAL TO ACHIEVE A COATING NO THINNER THAN THE DRY FILM THICKNESS INDICATED.
  - APPLY BLOCK FILTER TO CONCRETE BLOCK CONSTRUCTION AT A RATE TO ENSURE COMPLETE COVERAGE WITH PORES COMPLETELY FILLED.
  - CONTRACTOR SHALL CORRECT RUNS, SAGS, MISSES AND OTHER DEFECTS INCLUDING INADEQUATE COVERAGE AS DIRECTED BY THE CINGULAR WIRELESS CONSTRUCTION MANAGER. REPAIR AS NECESSARY TO ACHIEVE SURFACES WHICH ARE SMOOTH, EVENLY COATED WITH UNIFORM SHEEN AND FREE FROM BLEMISHES.
- B. PAINTING SCOPE
- PAINT THE FOLLOWING MATERIALS AND SYSTEMS CHECKED BELOW WITH THE COATING SYSTEM INDICATED.

PAINTING SCOPE					
SURFACE TO BE PAINTED	COATING SYSTEM	PAINT	DO NOT PAINT	N/A	
BTS UNIT					
ALL EQUIPMENT & CABINETS OTHER THAN THE BTS UNIT					
ANTENNA COVERS, TILT BRACKETS, MOUNTING BRACKETS AND ASSOCIATED HARDWARE, CABLE AND CABLE COVERS EXPOSED TO VIEW, EXPOSED CONDUIT AND HANGERS, ETC.					
FLASHING UNITS, METAL TRIM AND OTHER METAL SURFACES					
STUCCO, CONCRETE, CONCRETE BLOCK AND CEMENTIOUS TYPE FINISH SYSTEMS					
PLYWOOD, LUMBER AND WOOD TRIM INCLUDING THE BACK SIDE OF ALL SCREENWALLS					
DRYWALL					
CONCRETE POLES					
METAL POLES AND METAL POLE STAND-OFF					

- C. COATING SYSTEM SPECIFICATIONS
- DTM ACRYLIC COATING (SERIES B66) BY SHERWIN WILLIAMS CO. 1MIL DFT PER COAT APPLIED IN TWO COATS OVER DTM BONDING PRIMER (B66A50).
  - 100% ACRYLIC, LATEX COATING EQUIVALENT TO A-100 (SERIES A-82) BY SHERWIN WILLIAMS CO. 1 MIL DFT PER COAT APPLIED IN TWO COATS OVER SPECIFIED PRIMER PAINT & PRIMER
- D. ANTENNAS
- PRIMER - KEM AQUA E61-W525  
TOPCOAT - COROTHANE II B65W200/B60V22
- BTS CABINET  
PRIMER - KEM AQUA E61-W525  
TOPCOAT - COROTHANE II B65W200/B60V22
- COAXIAL JUMPER CABLES  
PRIMER - AS REQUIRED FOR ADHESION. APPLY ONE COAT OF KEM AQUA WATER REDUCIBLE PRIMER E61W25 REDUCED 25%  
TOPCOAT - 2 COATS COROTHANE II POLYURETHANE B65W200/B60V2
- RAW STEEL  
PRIMER - KEM BOND HS B50WZ4, DMT ACRYLIC PRIMER  
TOPCOAT - 2 COATS COROTHANE II POLYURETHANE B65W200/B60V2
- GALVANIZED METAL  
ACID ETCH WITH COMMERCIAL ETCH OR VINEGAR PRIMER COAT AND FINISH COAT (GALVITE HIGH SOLIDS OR DTM PRIMER/FINISH)
- STAINLESS STEEL  
PRIMER - OTM WASH PRIMER, B71Y1  
TOPCOAT - 2 COATS COROTHANE II POLYURETHANE B65W200/B60V2
- PRE-PRIMED STEEL  
TOUCH UP ANY RUST OR UN-PRIMED STEEL WITH KEM BOND HS, SS0WZ4
- ALUMINUM & COPPER  
PRIMER - DTM WASH PRIMER, B71Y1  
TOPCOAT - 2 COATS COROTHANE II POLYURETHANE B65W200/B60V2
- CONCRETE MASONRY  
PRIMER - PRO MAR EXTERIOR BLOCK FILLER  
TOPCOAT - 2 COATS A-100 LATEX HOUSE & TRIM, SHEEN TO MATCH
- CONCRETE STUCCO(EXISTING)  
2 COATS A-100 LATEX HOUSE & TRIM, SHEEN TO MATCH
- STUCCO  
PRIMER - PRO MAR MASONRY CONDITIONER B-46-W21000  
TOPCOAT - SUPERPAINT A-80 SERIES A-89 SATIN A-84 GLOSS
- WOOD  
PRIMER - A-100 EXTERIOR ALKYD W009D PRIMER Y-24W20  
TOPCOAT - 2 COATS A-100 LATEX HOUSE & TRIM SHEEN TO MATCH ADJACENT SURFACES
- FIELD CUTS/DAMAGE(PRIOR TO PRIME & PAINT)  
FIRST & SECOND COAT - CUPRINOL CLEAR WOOD PRESERVATIVE #158-0356  
ALL PENETRATIONS INTO FINISHED CLU-LAMS SHALL BE CAULKED WITH "SIKAFLEX" SEALANT
- STEEL TOUCH UP  
STEEL THAT HAS BEEN WELDED, CUT OR SCRATCHED IN THE FIELD SHALL BE TOUCHED UP WITH COLD GALVANIZED PAINT

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PROJECT INFORMATION:

(L600)  
**SL04115C**  
**SNOW\_BASIN\_SKIRUNS**  
SE 1/4 SEC.5, T.5N.,R.1E., SLM  
HUNTSVILLE, UTAH 84317  
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PLANS PREPARED BY:

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DRAWN BY: CHK.: APV.:

RC	TMH	TMH
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LICENSURE:

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SHEET TITLE:

**ABBREVIATIONS,  
SPECIFICATIONS AND  
SYMBOLS**

SHEET NUMBER: REVISION:

T-3

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SL04115C

**GENERAL NOTES**

1. ALL CONSTRUCTION AND WORKMANSHIP SHALL CONFORM TO THE DRAWINGS AND GOVERNING CODES.
2. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE AND SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND CONDITIONS OF ALL WORK AND MATERIALS INCLUDING THOSE FURNISHED BY SUBCONTRACTORS. ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE STRUCTURAL ENGINEER IMMEDIATELY AND SHALL BE RESOLVED BEFORE PROCEEDING WITH THE WORK.
3. STRUCTURAL DRAWINGS SHALL WORK IN CONJUNCTION WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS.
4. DESIGN, MATERIALS, EQUIPMENT, AND PRODUCTS OTHER THAN THOSE DESCRIBED OR INDICATED ON THE DRAWINGS MAY BE CONSIDERED FOR USE PROVIDED PRIOR APPROVAL IS OBTAINED FROM THE STRUCTURAL ENGINEER.
5. ALL CONDITIONS SHOWN OR NOTED AS EXISTING ARE BASED ON THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE DRAWINGS. NO WARRANTY IS IMPLIED TO THEIR ACCURACY. CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS. SHOULD CONDITIONS BECOME APPARENT THAT DIFFER FROM THE CONDITIONS SHOWN, THEY SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE PROFESSIONAL ENGINEER. PROFESSIONAL ENGINEER WILL THEN PREPARE ADDITIONAL DRAWINGS AS MAY BE NEEDED TO ACCOMMODATE THE CONDITIONS AS BROUGHT TO THEIR ATTENTION.
6. MECHANICAL EQUIPMENT MUST BE FIRMLY ATTACHED TO THE STRUCTURE. ISOLATORS, FASTENERS, AND OTHER ELEMENTS PROVIDING STABILITY FOR MECHANICAL EQUIPMENT SHALL BE CAPABLE OF TRANSMITTING CODE REQUIRED LOADS, BUT IN NO EVENT LESS THAN A SHEAR LOAD EQUIVALENT TO 0.45 TIMES THE OPERATING WEIGHT OF THE EQUIPMENT.
7. WATERPROOFING: SEE ARCHITECTURAL DRAWINGS.
8. THE FOUNDATION DESIGN IS BASED ON 2018 IBC TABLE 1806.2. ALLOWABLE SOIL BEARING VALUE IS 1500.
9. THE NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS.
10. TYPICAL DETAILS MAY NOT NECESSARILY BE CUT ON PLANS, BUT APPLY UNLESS NOTED OTHERWISE.

**CONCRETE**

1. ALL POURED-IN-PLACE CONCRETE SHALL HAVE AN ULTIMATE COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. UNLESS OTHERWISE NOTED, CEMENT TO BE TYPE-8 FROM TESTED STOCK PER ASTM C150.
2. CONCRETE FORM TOLERANCES SHALL BE WITHIN THE STANDARDS SET BY THE AMERICAN CONCRETE INSTITUTE.
3. ALL REINFORCING STEEL, ANCHOR BOLTS, DOWELS OR OTHER INSERTS SHALL BE SECURED IN POSITION AND INSPECTED BY THE LOCAL BUILDING DEPARTMENT INSPECTOR PRIOR TO THE POURING OF ANY CONCRETE.
4. NO PIPES OR DUCTS SHALL BE PLACED IN STRUCTURAL CONCRETE UNLESS SPECIFICALLY DETAILED. REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR LOCATIONS.
5. FORM EXPOSED CORNERS OF COLUMNS, BEAMS, WALLS, ETC. WITH 3/4" CHAMFERS UNLESS DETAILED OTHERWISE.
6. PROVIDE LIGHT BROOM FINISH ON ALL EXPOSED CONCRETE UNLESS NOTED OTHERWISE.

**REINFORCING STEEL**

1. REINFORCING STEEL SHALL CONFORM TO ASTM A-615 GRADE 60 U.N.O.
2. BARS SHALL BE CLEAN OF MUD, OIL, OR OTHER COATINGS LIKELY TO IMPAIR BONDING.
3. ALL REINFORCING SHALL BE SECURED IN PLACE PRIOR TO PLACING CONCRETE OR GROUTING MASONRY. ALL REINFORCING SHALL BE CHAIRED TO ENSURE PROPER CLEARANCES. SUPPORT OF FOUNDATION REINFORCING MUST PROVIDE ISOLATION FROM MOISTURE/CORROSION BY USE OF A PLASTIC OR CONCRETE CHAIR. DUCT-TAPE IS NOT AN ACCEPTABLE MOISTURE/CORROSION PROTECTION.
4. REINFORCING STEEL SHALL BE SPLICED AS SHOWN OR NOTED. SPLICES AT OTHER LOCATIONS SHALL BE REVIEWED BY THE STRUCTURAL ENGINEER. ALL VERTICAL WALL REINFORCEMENT SHALL BE CONTINUOUS BETWEEN SPlice LOCATIONS SHOWN IN THE DRAWINGS.
5. ALL GRADE 60 REINFORCING TO BE WELDED SHALL BE ASTM A706.
6. CLEAR CONCRETE COVERAGE IS AS FOLLOWS:
 

CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH EXPOSED TO EARTH OR WEATHER	3"
#6 OR LARGER	2"
#5 AND SMALLER	1-1/2"
COLUMNS (TO TIES)	1-1/2"
BEAMS (TO STIRRUPS)	1-1/2"
FLAT SLABS	3/4"
WALLS	SEE SCHEDULE AND OR DETAILS
ALL OTHER PER LATEST EDITION OF ACI 318	

**STRUCTURAL STEEL**

1. THE LABOR, MATERIALS AND EXECUTION REQUIRED FOR ALL CONCRETE WORK AS INDICATED ON THE DRAWINGS SHALL BE IN ACCORDANCE WITH THOSE APPLICABLE PORTIONS OF CHAPTER 22 OF THE LATEST ADOPTED EDITION OF THE INTERNATIONAL BUILDING CODE.
2. STRUCTURAL STEEL NOT ENCASED IN CONCRETE SHALL BE SHOP PAINTED WITH TNEEC99 METAL PRIMER OR APPROVED EQUIVALENT.
3. UNLESS NOTED OTHERWISE, ALL BOLTS SHALL BE ASTM A307. THIS INCLUDES EXPANSION/ADHESIVE ANCHORS. BOLTED CONNECTIONS SHALL CONFORM TO AISC SPECIFICATIONS UNLESS NOTED OTHERWISE ON THE DRAWINGS.
4. UNLESS NOTED OTHERWISE ALL WELDS PER THE LATEST EDITIONS OF THE AWS STANDARDS SHALL CONFORM TO AISC SPECIFICATIONS. WELDING SHALL BE PERFORMED BY WELDERS HOLDING VALID CERTIFICATES AND HAVING CURRENT EXPERIENCE IN THE TYPE OF WELD SHOWN ON THE DRAWINGS OR NOTES. THESE DRAWINGS DO NOT DISTINGUISH BETWEEN SHOP AND FIELD WELDS.
5. CONTRACTOR IS PERMITTED TO CUT AND WELD ANTENNA SUPPORT ASSEMBLY ARMS AS NECESSARY TO MEET THE LENGTH REQUIREMENTS IN THE FIELD. WELDS SHALL CONSIST OF A 3/16" FILLET ALL THE WAY AROUND FOR 1/4" THICK STEEL OR LESS AND 3/8" FILLET WELD FOR STEEL 1/2" THICK OR LESS. CONTRACTOR SHALL RESTORE CORROSION BARRIER WITH AN APPROVED PAINT IN ACCORDANCE WITH BS 729-1971 AND PREN 1029."

**STRUCTURAL NOTES (CONTINUATION)**

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

**ADHESIVE / MECHANICAL ANCHORS**

1. ALL POST-INSTALLED ANCHORS SHALL BE PER SIMPSON OR HILTI MANUFACTURING AS INDICATED ON THE PLANS.
2. MECHANICAL ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING APPROVAL CODES:
  - FOR HILTI KWIK BOLT T22 ANCHORS, INSTALLATION SHALL COMPLY WITH ICC-ES ESR-4561 FOR ANCHORS TO MASONRY AND ICC-ES ESR-4266 FOR ANCHORAGE TO CONCRETE.
  - ADHESIVE ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING APPROVAL CODES:
    - FOR SIMPSON SET-XP EPOXY ANCHORS, INSTALLATION SHALL BE IN ACCORDANCE WITH ICC-ES ESR-2508 FOR ANCHORAGE TO CONCRETE, LAPMO USES ER-265 FOR ANCHORAGE TO MASONRY.
    - FOR HILTI HIT-HY 200 EPOXY ANCHORS, INSTALLATION SHALL BE IN ACCORDANCE WITH ICC ESR-3187 FOR ANCHORAGE TO CONCRETE.
3. ALLOW A MINIMUM OF 72 HOURS AFTER NEW CONCRETE IS PLACED PRIOR TO LOCATING MECHANICAL OR ADHESIVE ANCHORS. ALL MECHANICAL/ADHESIVE ANCHORS REQUIRE SPECIAL STRUCTURAL INSPECTION PER THE BUILDING CODE.

**MASONRY**

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

**WOOD**

1. IN STUD WALLS, UNLESS NOTED OTHERWISE, INSTALL DOUBLE STUDS AT ALL JAMBS, CORNERS, INTERSECTIONS AND AT ISOLATED BEARING POINTS OF FRAMING MEMBERS ABOVE. EVERY OTHER STUD OF WOOD FRAME BEARING WALL SHALL HAVE A SIMPSON H3 ANCHOR TOP AND BOTTOM, EXCEPT AT THOSE WALLS WHERE PLYWOOD SHEATHING IS NAILED DIRECTLY TO THE TOP AND BOTTOM PLATES. PROVIDE 2X SOLID BLOCKING AT MID-HEIGHT OF BEARING STUD WALLS.
2. SAWN LUMBER FRAMING SHALL COMPLY WITH THE LATEST EDITION OF THE GRADING RULES OF THE WMPA OR THE WCLBI. ALL SAWN LUMBER SHALL BE STAMPED WITH THE GRADE MARK OF AN APPROVED LUMBER GRADING AGENCY AND SHALL HAVE MINIMUM PROPERTIES WHICH MEET OR EXCEED THE FOLLOWING WOOD TYPES:

MEMBER	WOOD TYPE
JOISTS	2X4 (PANELIZED)
	2X4
	2X6 OR LARGER
BEAMS	WIDTH OF 4" OR LESS
	WIDTH GREATER THAN 4"
LEDGERS AND TOP PLATES	
STUDS	2X4
	2X6 OR LARGER
POSTS	4X4
	6X6 OR LARGER

3. GLU-LAMINATED BEAMS SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES:  $F_b = 2,400$  PSI,  $F_y = 240$  PSI,  $E = 1,800,000$  PSI. BEAMS CANTILEVERING OVER SUPPORTS SHALL HAVE THE SPECIFIED MINIMUM PROPERTIES TOP AND BOTTOM. ALL BEAMS SHALL BE FABRICATED USING WATERPROOF GLUE. FABRICATION AND HANDLING PER LATEST AITC AND WCLA STANDARDS. BEAMS TO BEAR GRADE STAMP AND AITO STAMP AND CERTIFICATE. CAMBER AS SHOWN ON DRAWINGS. IN THE ABSENCE OF CAMBER SHOWN ON THE PLAN, PROVIDE STANDARD CAMBER. STANDARD CAMBER IS DEFINED AS A RADIUS OF CURVATURE EQUAL TO 2500 FEET.
4. PLYWOOD SHALL BE APA "CDX" RATED SHEATHING OR BETTER AND SHALL BEAR THE STAMP OF AN APPROVED TESTING AGENCY. LAY UP PLYWOOD WITH FACE GRAIN PERPENDICULAR TO SUPPORTS. (ON ROOFS WHERE PLYWOOD IS LAYED UP WITH FACE GRAIN PARALLEL TO SUPPORTS, USE A MINIMUM OF 5-PLY PLYWOOD). STAGGER JOINTS. ALL NAILING SHALL BE COMMON NAILS UNLESS NOTED OTHERWISE. WHERE SCREWS ARE INDICATED FOR WOOD TO WOOD ATTACHMENTS, USE WOOD SCREWS. ALL PLYWOOD SHALL BE OF THE FOLLOWING NOMINAL THICKNESS, SPAN/INDEX RATIO AND SHALL BE ATTACHED AS FOLLOWS UNLESS NOTED OTHERWISE.

USE	THICKNESS	SPAN/INDEX RATIO	ATTACHMENT EDGE	INTERMEDIATE
ROOF	5/8"	32/16	10d@6" O.C.	10d@12" O.C.
FLOOR	3/4"	40/20	10d@6" O.C.	10d@12" O.C.
FLOOR	3/4"	40/20	SCREWS@6" O.C.	SCREWS@12" O.C.
SHEAR WALL	3/8"	24/0	8d@6" O.C.	8d@12" O.C.

**FIBER REINFORCED PLASTIC (FRP)**

1. ALL CONNECTIONS SHALL BE 5/8" DIAMETER FIBER BOLTS, U.N.O. (PULTEX 1625 OR EQUIVALENT) AND ALL HOLES UNLESS NOTED OTHERWISE SHALL BE PUNCHED OR DRILLED 1/16" LARGER IN DIAMETER THAN THE BOLTS THEY RECEIVE.
2. ALL CONTACT SURFACES OF FRP STRUCTURAL SHAPES AND/OR HYBRID POLYMER COMPOSITE ARCHITECTURAL PANELS SHALL BE BONDED PER MANUFACTURER'S RECOMMENDATIONS. USE 1/4" FRP SCREEN SKIN AND EPOXY GLUE SKIN TO FRAMING MEMBERS WITH 3/8" DIAMETER FIBER BOLTS AT 24" O.C. EIFS SHALL MATCH BUILDING AND BE ATTACHED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
3. ALL LIQUID NAILS MULTI-PURPOSE CONSTRUCTION ADHESIVE SHALL BE PER MACCO OR APPROVED EQUIVALENT. BONDING SURFACE SHALL BE CAREFULLY PREPARED TO ENSURE A GOOD ADHESIVE BOND BY WIPING THE SURFACE WITH A STERILIZING SOLVENT, REMOVING SURFACE GLOSS BY LIGHT SANDING, APPLY ADHESIVE, AND FASTEN OR CLAMP BONDING SURFACES UNTIL CURED.
4. ALL EXPOSED JOINTS AT ARCHITECTURAL PANELS AND SHAPES (EDGES, CORNERS, ETC.) SHALL BE CAULKED WITH AN APPROVED FLEXIBLE POLYURETHANE SEALANT/CAULK.
5. ALL OPEN ENDS OR GAPS OF SCREEN FRAMING WHERE WATER SUSCEPTIBLE TO WATER INFILTRATION SHALL BE WEATHER CAPPED OR SEALED BY THE GENERAL CONTRACTOR.
6. ALL FRP MATERIAL SHALL CONFORM TO ASTM D638, 695, 790, 2344, 732, ADDITIONALLY WITH BOLTS CONFORMING TO ASTM B565. ALL FRP MATERIAL SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES FOR ALLOWABLE STRESS DESIGN (BASED ON A SAFETY FACTOR OF 7). VALUES ARE REPRESENTED IN KSI.

MECHANICAL PROPERTY	LENGTHWISE	CROSSWISE
TENSILE STRESS $F_t$	4.3	1.0
COMPRESSIVE STRESS $F_c$	4.3	2.1
FLEXURAL STRESS $F_y$	4.3	1.4
MODULUS OF ELASTICITY $E$	2.8X10 <sup>6</sup>	--
SHEAR $F_v$	0.6	--
BOLT SHEAR	1.2	--

**SPECIAL STRUCTURAL INSPECTION – STRUCTURAL ONLY**

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

VERIFICATION AND INSPECTION	INSPECTION TYPE	REFERENCE STANDARD
	CONTINUOUS	PERIODIC
STEEL CONSTRUCTION		
WELDING		
AT FLOOR AND ROOF		AWS D1.3
DECK WELDS		
FOR REINFORCING STEEL		AWS D1.4, ACI 318
FOR STRUCTURAL STEEL		
HIGH STRENGTH BOLTING	X	AISC 360-16, 2014 RCSC
CONCRETE CONSTRUCTION		
REINFORCING STEEL		ACI 318
POST-INSTALLED ANCHORS	X	ACI 318
USE OF REQUIRED DESIGN MIX		ACI 318
MASONRY CONSTRUCTION		
REINFORCING STEEL		TMS 402 AND 602/ACI 530
GROUT PLACEMENT		
CLEANOUTS PRIOR TO CLOSURE		
POST-INSTALLED ANCHORS		

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



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**SHEET TITLE:**

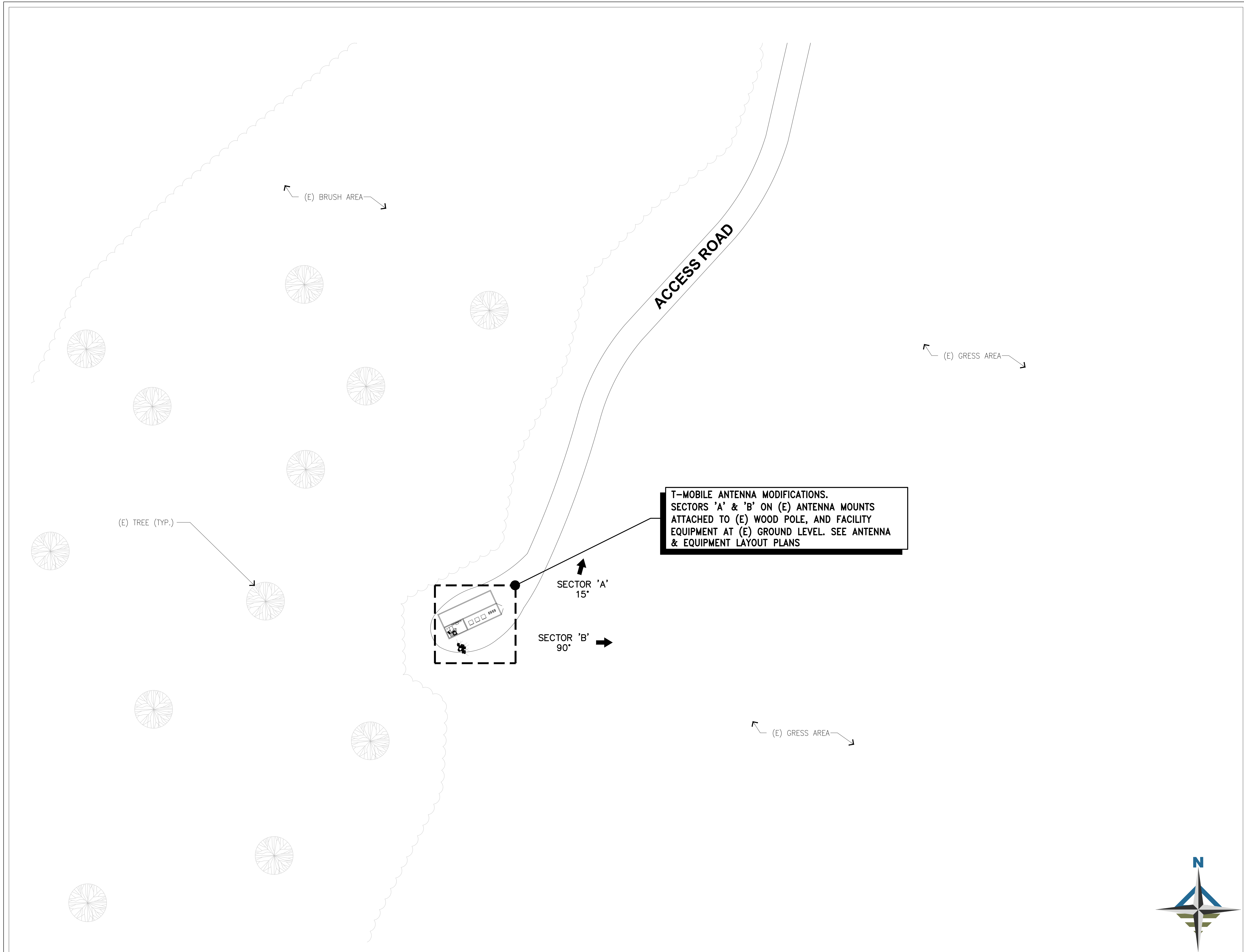
**GENERAL STRUCTURAL NOTES**

**SHEET NUMBER: REVISION:**

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OVERALL SITE PLAN

SCALE: 1"=30'-0"

1

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7543 Woodley Ave., #201, Van Nuys, CA 91406  
Office: (818) 840-0808 Fax: (818) 840-0708

CONSULTANT:

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Office: (818) 840-0808 Fax: (818) 840-0708

DRAWN BY:	CHK.:	APV.:
RC	TMH	TMH

LICENSURE:

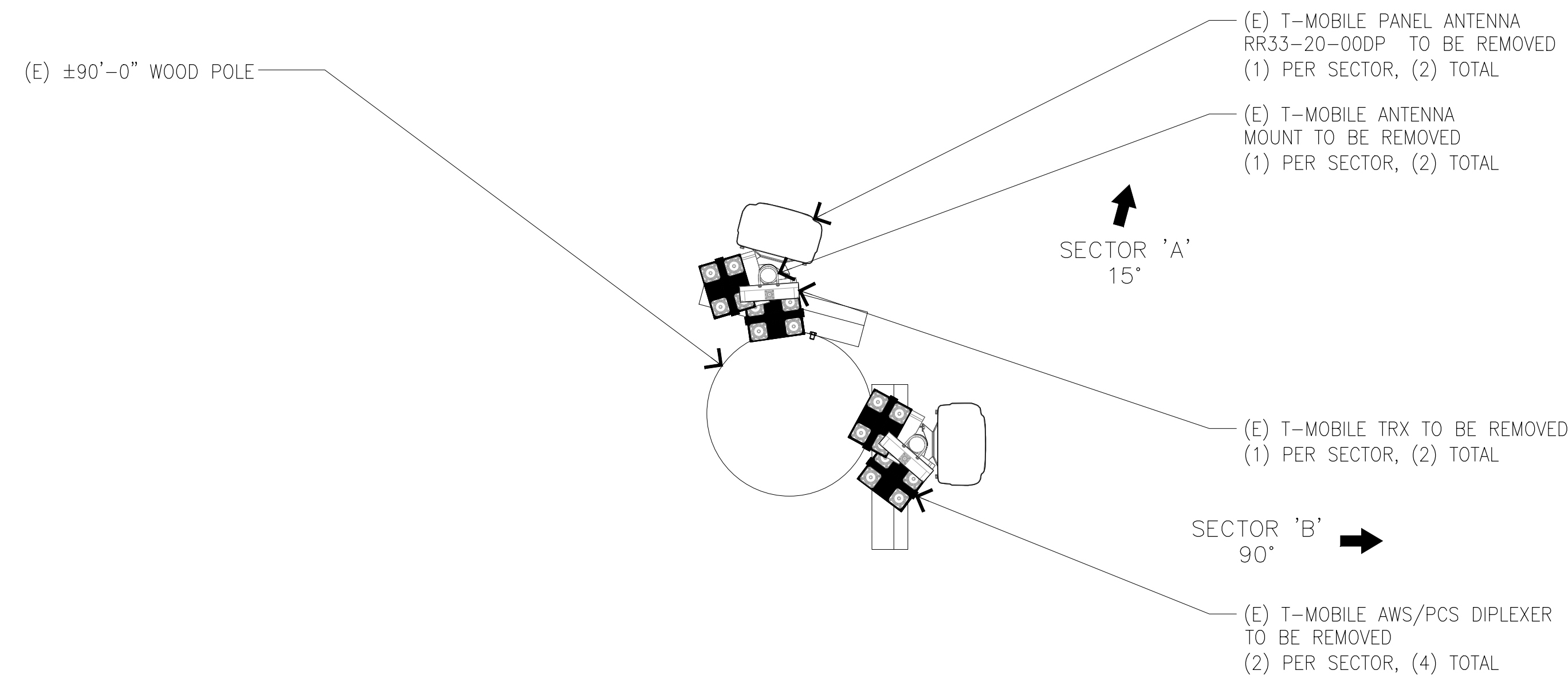
SHEET TITLE:

**OVERALL SITE PLAN**

SHEET NUMBER: **A-1** REVISION: **0**

SL04115C

EXISTING ANTENNA SCHEDULE													
SECTOR	AZIMUTH	RAD CENTER	ANTENNA			RRU/TMA/SMART BIAS T	BIAS T QTY.	COAX JUMPER QTY.	FIBER JUMPER QTY.	HCS/COAX CABLE		POWER	
			MODEL NO.	SIZE	QTY.					TYPE	QTY.	SIZE & TYPE	QTY.
SECTOR "A"	15°	60'-0"	RR33-20-00DP	60.6"L X 12.0"W X 7.0"D	1	TRX AWS/PCS DIPLEXER	1	-	-	7/8" COAX	2	-	-
SECTOR "B"	90°	60'-0"	RR33-20-00DP	60.6"L X 12.0"W X 7.0"D	1	TRX AWS/PCS DIPLEXER	1	-	-	7/8" COAX	2	-	-
TOTAL					2		4	-	-		4		-



PROJECT INFORMATION:

(L600)  
SL04115C  
SNOW\_BASIN\_SKIRUNS  
SE 1/4 SEC.5, T.5N.,R.1E., SLM  
HUNTSVILLE, UTAH 84317  
WEBER COUNTY

CURRENT ISSUE DATE:

12/14/21

ISSUED FOR:

CONSTRUCTION

REV.: DATE: DESCRIPTION: BY:

REV.	DATE	DESCRIPTION	BY
0	12/14/21	100% CD	RC

PLANS PREPARED BY:

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DRAWN BY: CHK.: APV.:

RC	TMH	TMH
----	-----	-----

LICENSURE:

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SHEET TITLE:

EXISTING ANTENNA  
LAYOUT PLAN

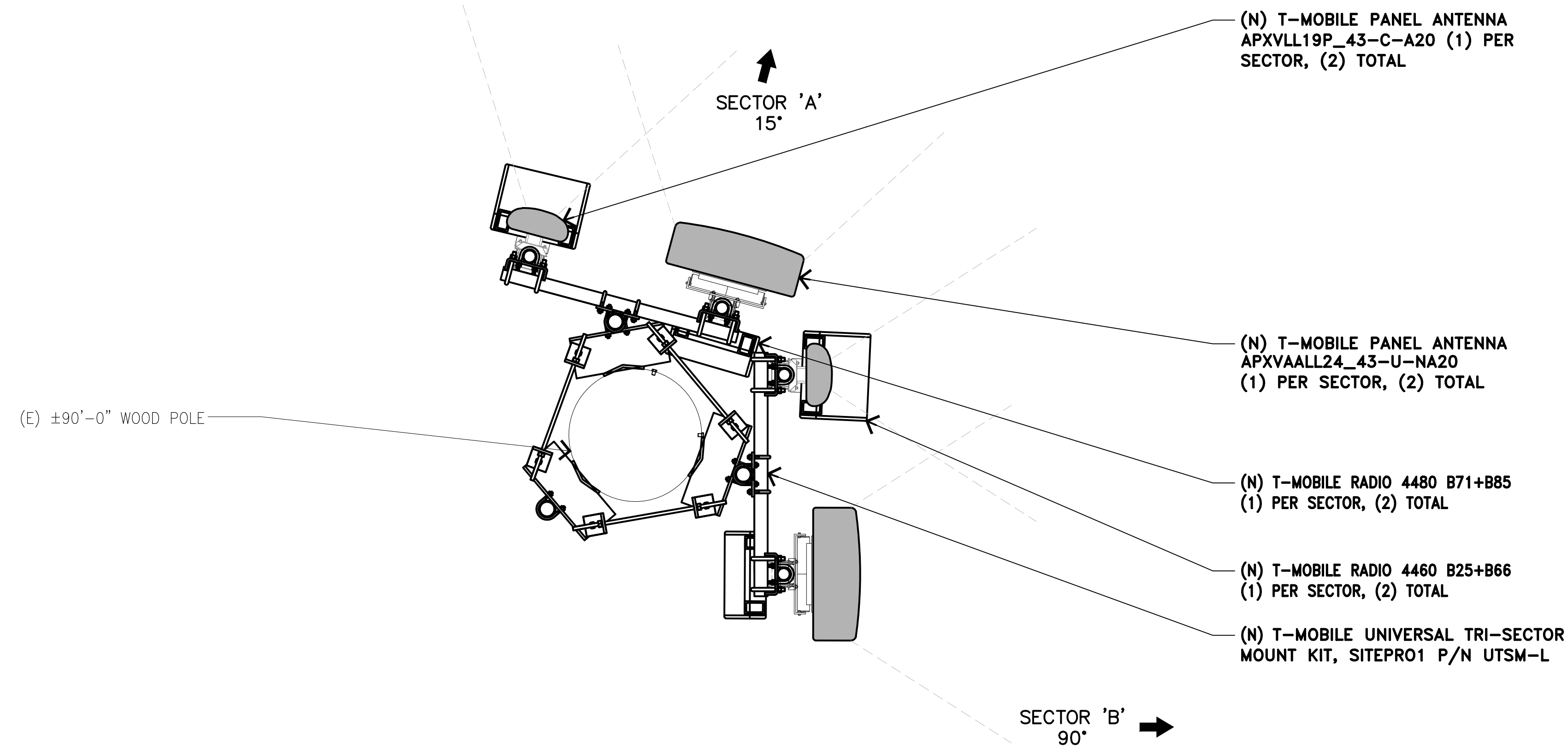
SHEET NUMBER: REVISION:

A-2

0

SL04115C

PROPOSED ANTENNA SCHEDULE														
SECTOR	AZIMUTH	RAD CENTER	ANTENNA			RRU/TMA/SMART BIAS T		MECHANICAL TILT	COAX JUMPER	FIBER JUMPER	HCS/COAX CABLE		POWER	
			MODEL NO.	SIZE	QTY.	TYPE	QTY.				QTY.	QTY.	SIZE & TYPE	QTY.
SECTOR "A"	15°	60'-0"	APXVLL19P_43-C-A20	75.8"L X 11.3"W X 4.6"D	1	RADIO 4460 B25+B66	1	0°	4	-	6X24 HCS	1	-	-
			APXVAALL24_43-U-NA20	95.9"L X 24.0"W X 8.5"D	1	RADIO 4480 B71+B85	1							
SECTOR "A"	90°	60'-0"	APXVLL19P_43-C-A20	75.8"L X 11.3"W X 4.6"D	1	RADIO 4460 B25+B66	1	0°	4	-	-	-	-	-
			APXVAALL24_43-U-NA20	95.9"L X 24.0"W X 8.5"D	1	RADIO 4480 B71+B85	1							
TOTAL					4		4		16	-		1		-



REV.	DATE	DESCRIPTION	BY
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a division of advantage engineers

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DRAWN BY:	CHK.:	APV.:
RC	TMH	TMH

LICENSURE:

SHEET TITLE:

PROPOSED ANTENNA LAYOUT PLAN

SHEET NUMBER: A-3

REVISION: 0

SL04115C



PROJECT INFORMATION:

(L600)  
**SL04115C**  
**SNOW\_BASIN\_SKIRUNS**  
SE 1/4 SEC.5, T.5N.,R.1E., SLM  
HUNTSVILLE, UTAH 84317  
WEBER COUNTY

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PLANS PREPARED BY:



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CONSULTANT:



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DRAWN BY: CHK.: APV.:

RC	TMH	TMH
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LICENSURE:

SHEET TITLE:

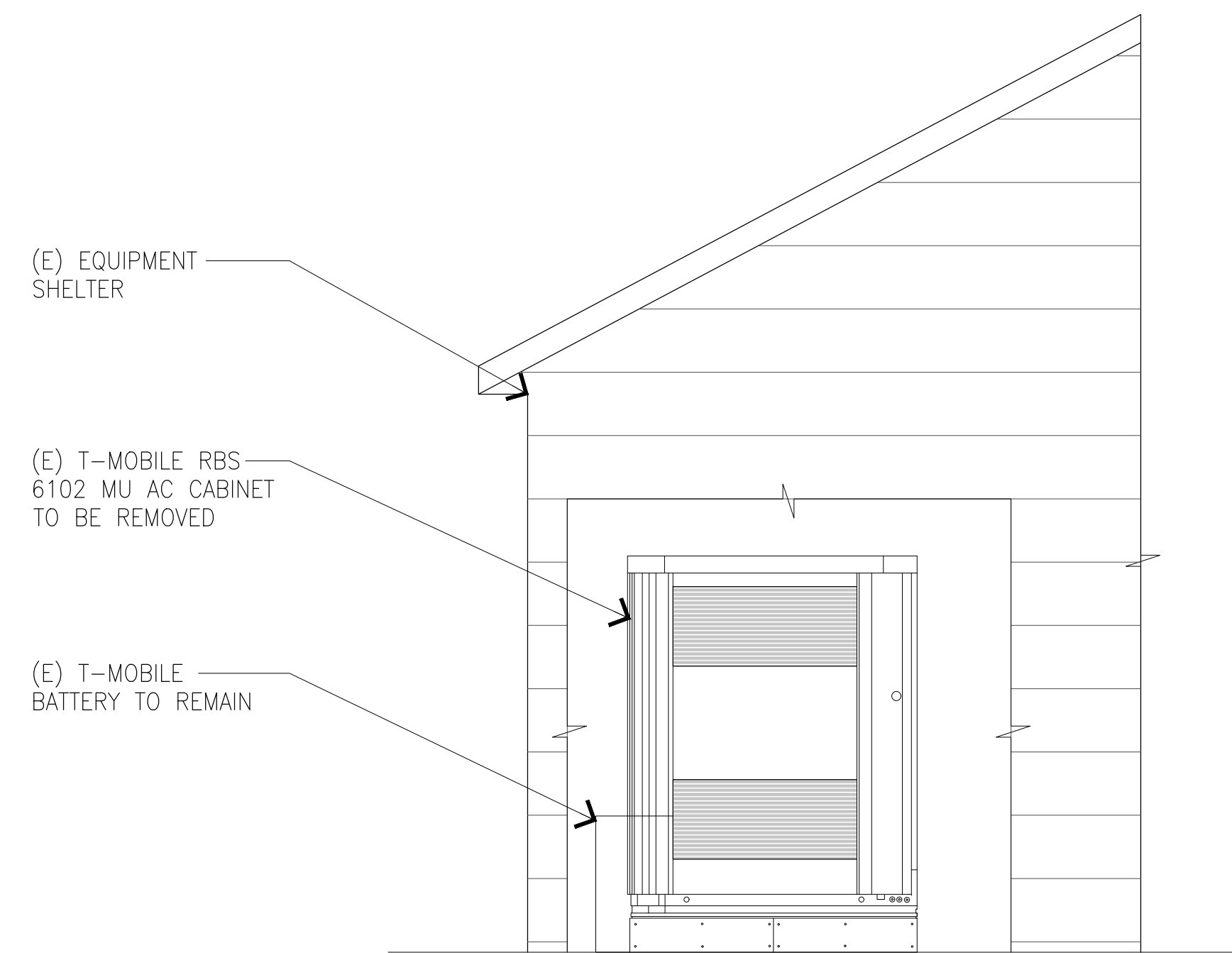
**EQUIPMENT LAYOUT PLANS  
AND ENLARGED  
EQUIPMENT ELEVATIONS**

SHEET NUMBER: REVISION:

**A-4**

**0**

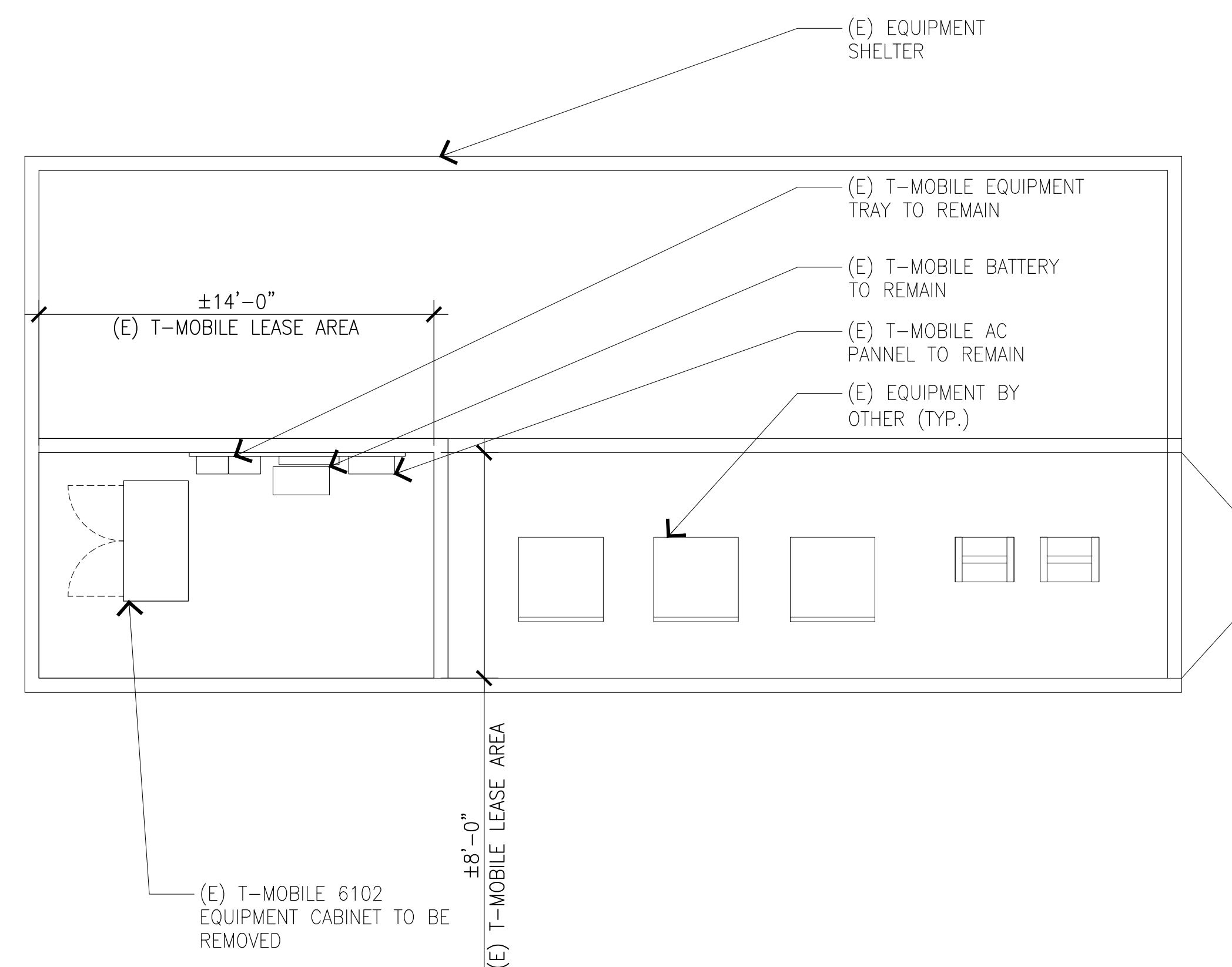
SL04115C



(E) ENLARGED EQUIPMENT ELEVATION

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

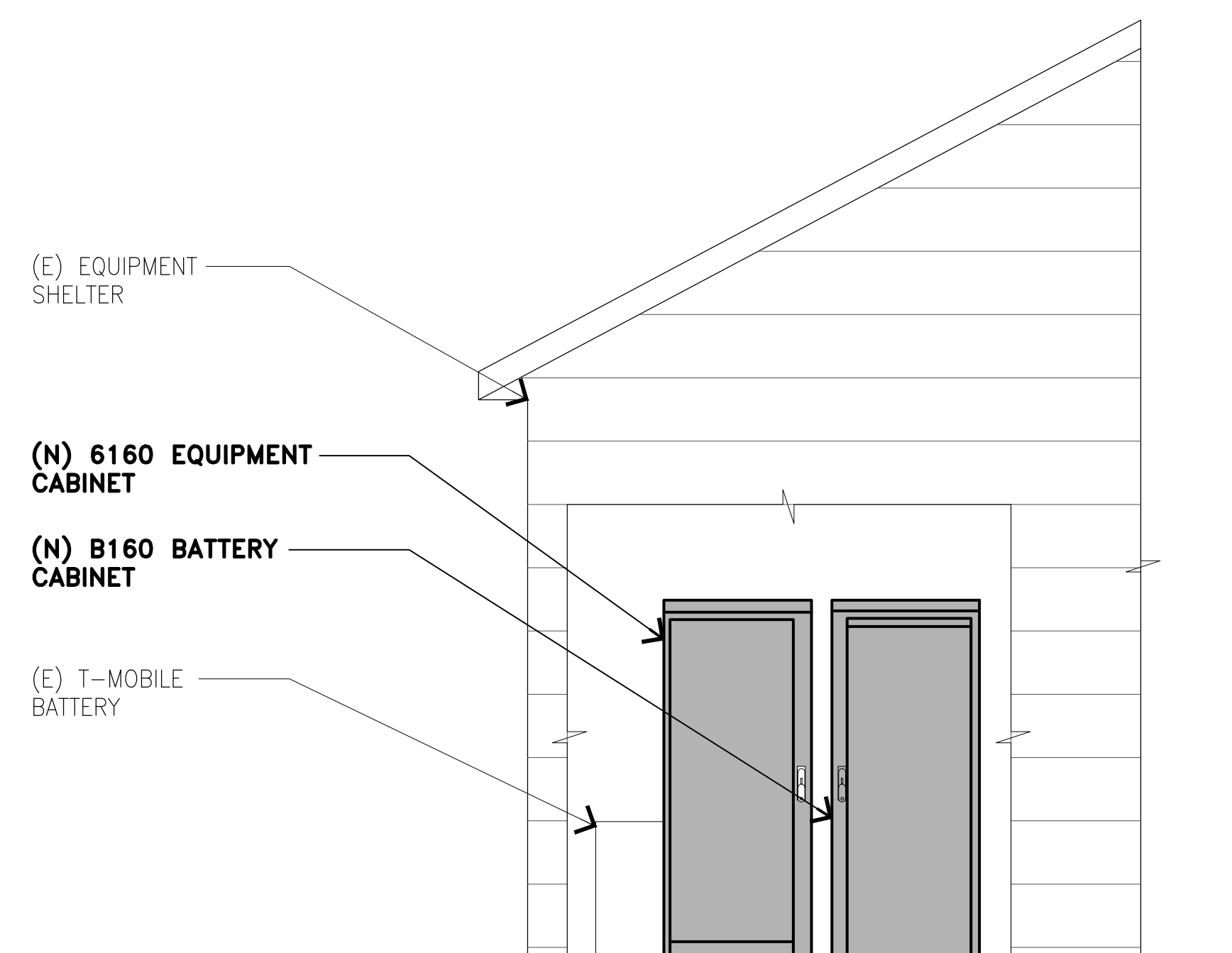
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(E) EQUIPMENT LAYOUT PLAN AT GRADE LEVEL

SCALE: 1/4"=1'-0" 0 1' 2' 4' 8'

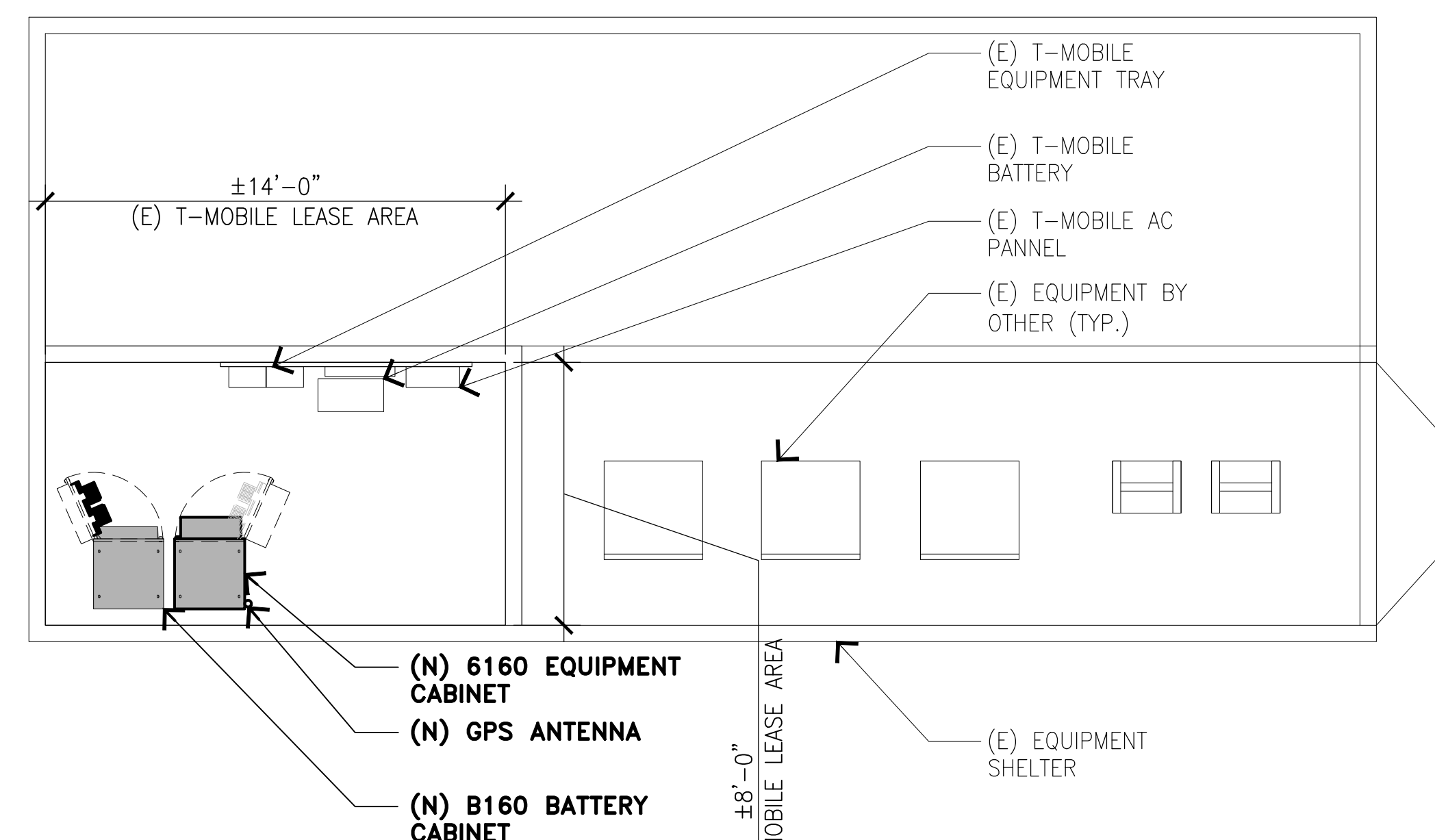
1



(N) ENLARGED EQUIPMENT ELEVATION

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

4



(N) EQUIPMENT LAYOUT PLAN AT GRADE LEVEL

SCALE: 1/4"=1'-0" 0 1' 2' 4' 8'

2

- EQUIPMENT NOTE:**
- REMOVE (2) RUS01 B2
  - REMOVE (4) RUS01 B4
  - REMOVE (1) RBS 6201 EQUIPMENT CABINET
  - REMOVE ALL (7) COAX IN NOT IN SERVICE
  - RETAIN (1) DUG20 AND (1) BB 6630
  - RETAIN (1) CSR 7705 SAR M
  - ADD (1) NEW 6160 SITE SUPPORT CABINET
  - ADD (1) NEW B160 BATTERY CABINET
  - ADD (1) BB 6648 AND (1) RBS6601 TO 6160 SITE SUPPORT CABINET
  - ADD (1) PSU 4813
  - ADD (1) 6X24 HCS 4AWG (30M)
  - ADD (1) CSR IXRE V2 (GEN2)
  - ADD (1) GPS ANTENNA
- \*\*\* CM NOTES \*\*\***
- CONFIRM AC SERVICE IS 100AMPS; REPLACE EXISTING PPC WITH 100AMPS IF REQUIRED
  - POWER UPGRADE NEEDED (DC POWER)
  - UPDATE A/C BREAKER TO 150 AMPS AND WIRING AS REQUIRED





PROJECT INFORMATION:

(L600)  
**SL04115C**  
**SNOW\_BASIN\_SKIRUNS**  
SE 1/4 SEC.5, T.5N.,R.1E., SLM  
HUNTSVILLE, UTAH 84317  
WEBER COUNTY

CURRENT ISSUE DATE:

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**CONSTRUCTION**

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0	12/14/21	100% CD	RC

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CONSULTANT:



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DRAWN BY: CHK.: APV.:

RC	TMH	TMH
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LICENSURE:

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SHEET TITLE:

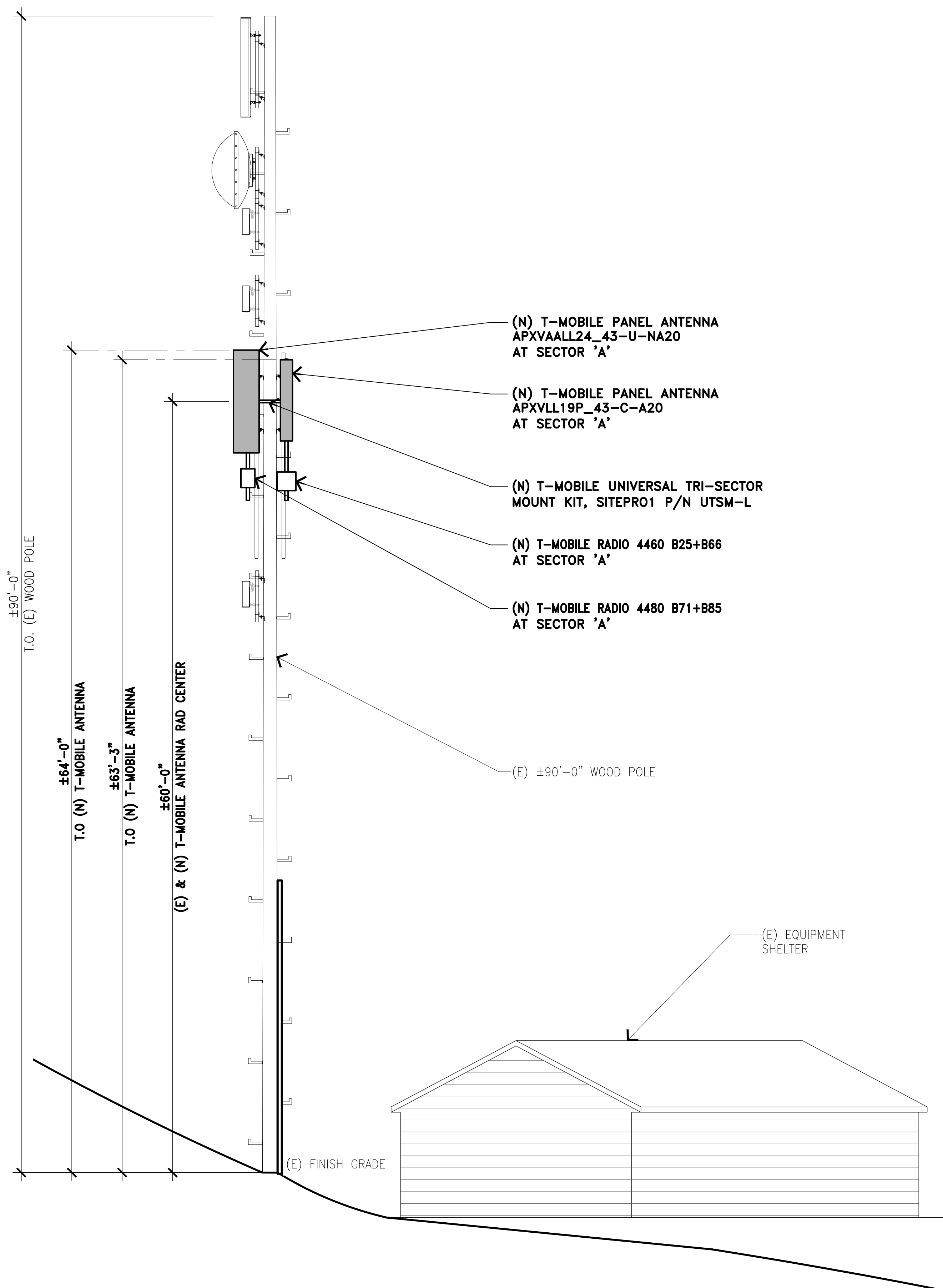
ELEVATIONS I

SHEET NUMBER: REVISION:

**A-5**

0

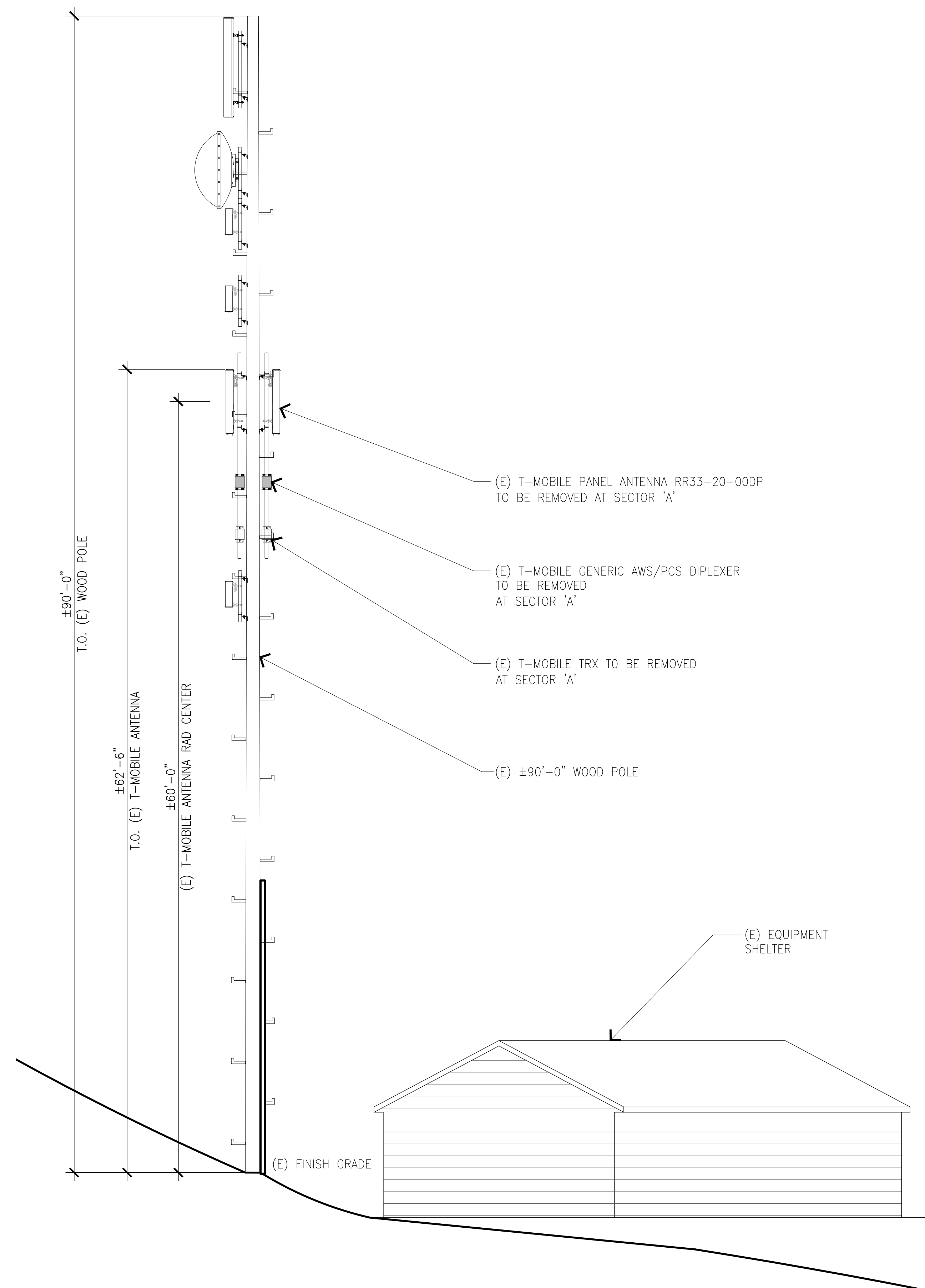
SL04115C



(N) NORTH ELEVATION

SCALE: 3/16"=1'-0"  
0 1' 3' 5' 10'

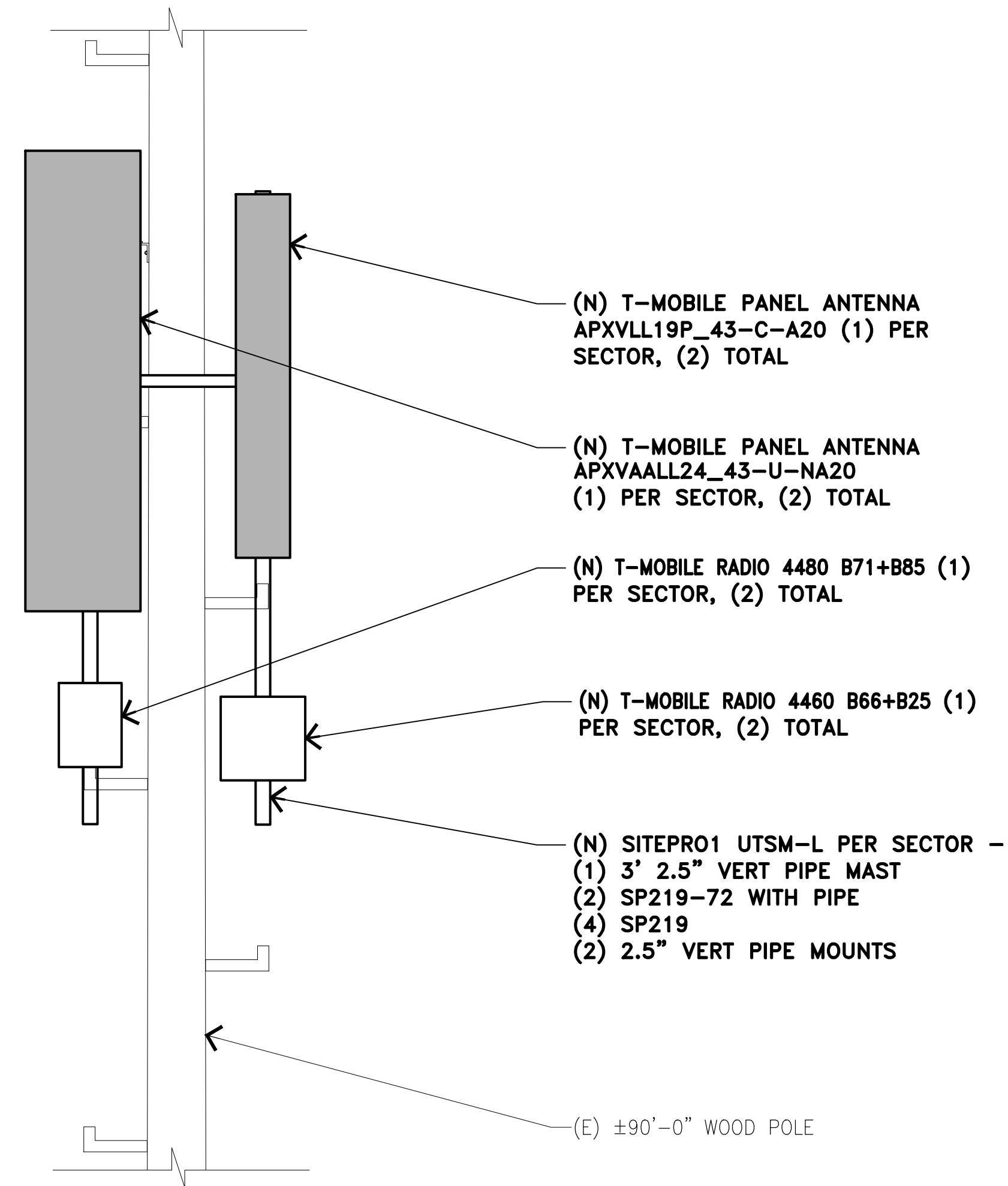
2



(E) NORTH ELEVATION

SCALE: 3/16"=1'-0"  
0 1' 3' 5' 10'

1



TYPICAL ANTENNA LAYOUT

SCALE:  
N.T.S.

3

NOT USED

SCALE:  
N.T.S.

1

NOT USED

SCALE:  
N.T.S.

4

NOT USED

SCALE:  
N.T.S.

2

**T-Mobile**  
Stick Together

121 SOUTH ELECTION RD. SUITE 330  
DRAPER, UT 84103

PROJECT INFORMATION:

(L600)  
SLO4115C  
SNOW\_BASIN\_SKIRUNS  
SE 1/4 SEC.5, T.5N.,R.1E., SLM  
HUNTSVILLE, UTAH 84317  
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DRAWN BY: CHK.: APV.:

RC	TMH	TMH
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LICENSURE:

Blank area for licensure information.

SHEET TITLE:

DETAILS AND  
SPECIFICATIONS I

SHEET NUMBER: REVISION:

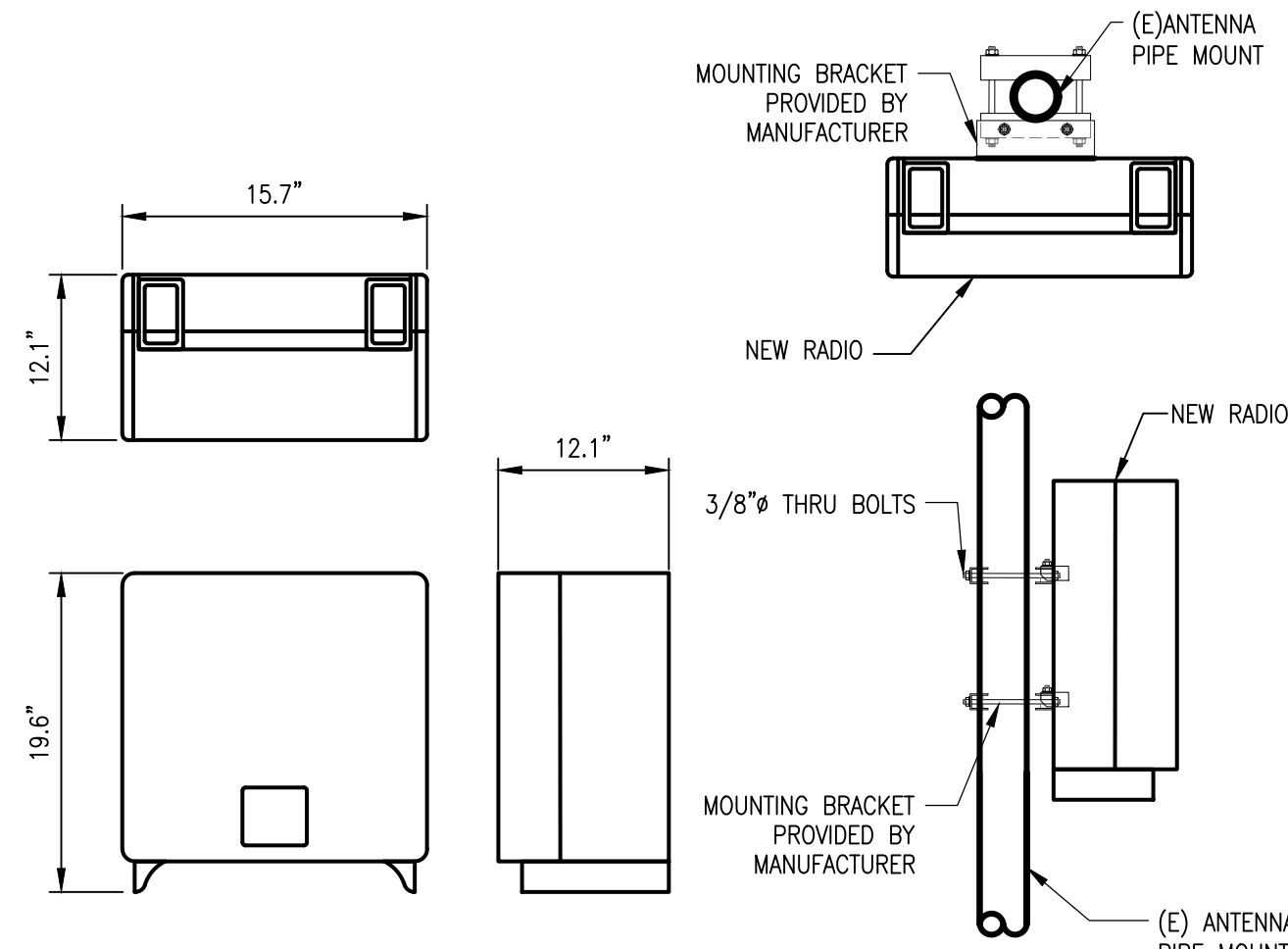
D-1

0

SLO4115C

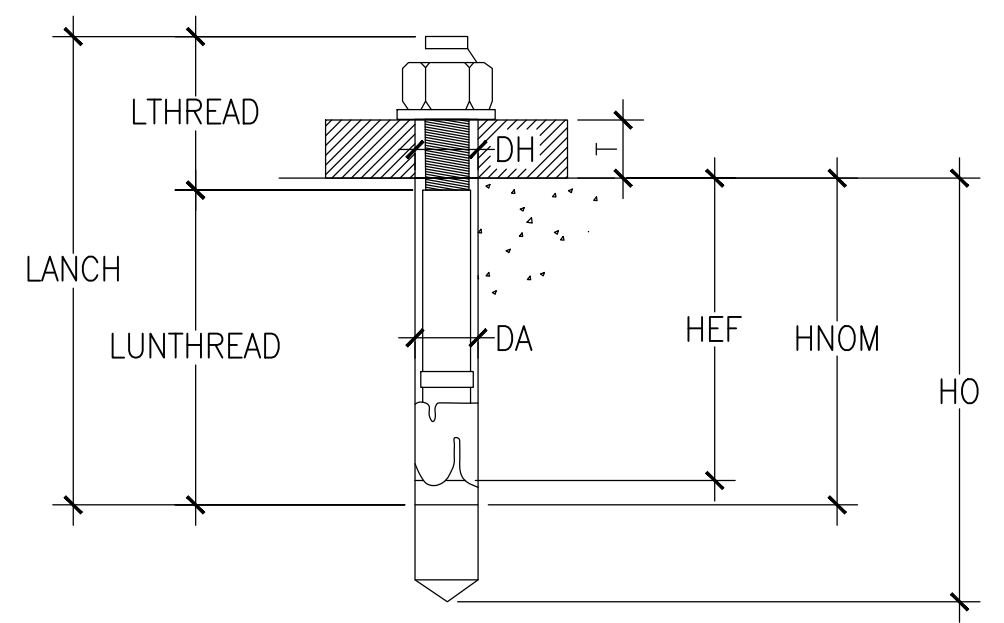
**ERICSSON RADIO 4460**

DIMENSIONS, WxDxH: 15.7"x12.1"x19.6"  
 TOTAL WEIGHT: 109 lbs  
 TEMPERATURE: -40° TO 55° C



**INSTALLATION NOTES FOR POST-INSTALLED ANCHORS:**

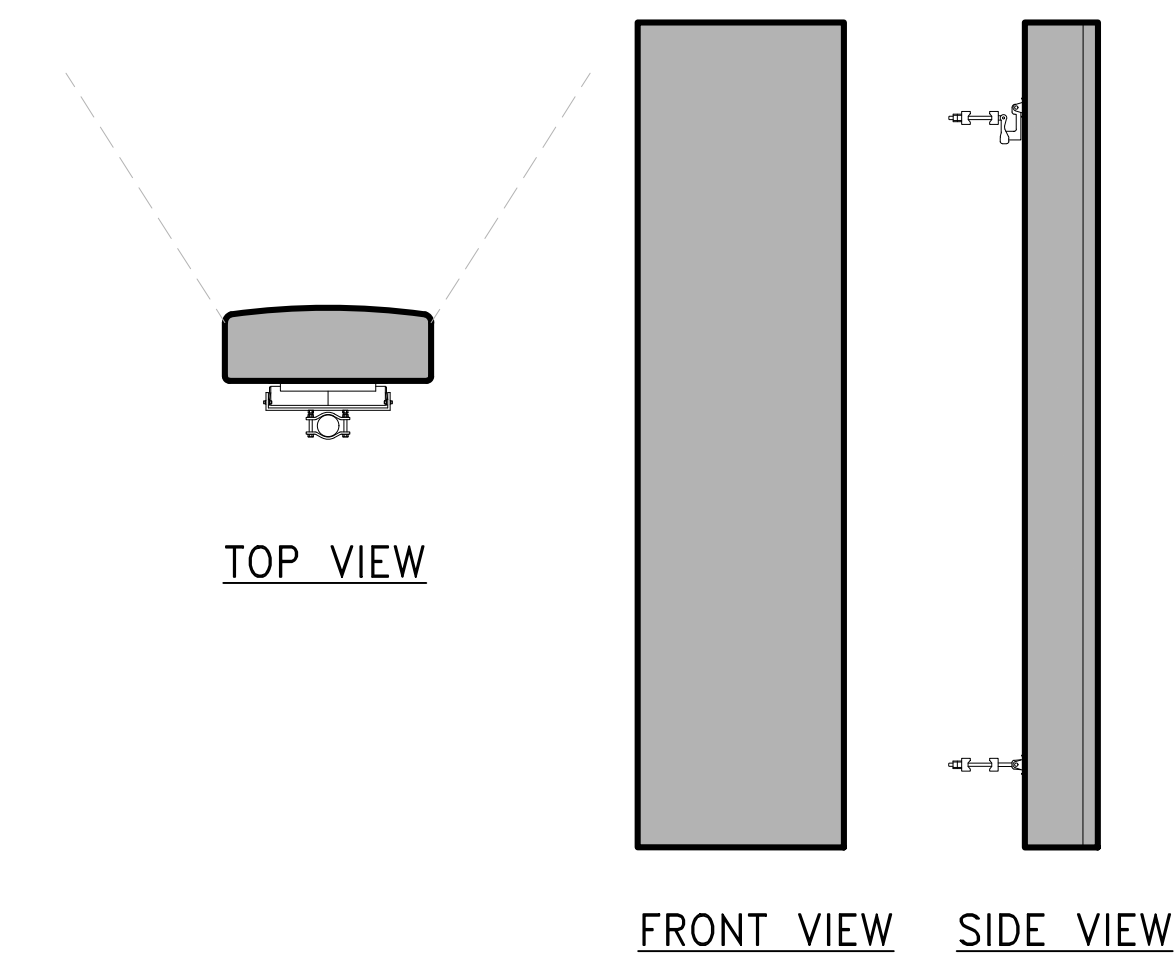
- CENTER OF ANCHORS TO HAVE A MINIMUM OF 12" DISTANCE TO CONCRETE EDGES/SEAMS AND OTHERS EXISTING OR ABANDONED ANCHORS.
- CONTRACTOR SHALL FIELD VERIFY CONCRETE THICKNESS PER TABLE BELOW.
- CONTRACTOR SHALL SCAN FOR AND LOCATE EXISTING REBAR BEFORE DRILLING. DO NOT CUT OR DAMAGE FOUNDATION REBAR. IF REBAR IS ENCOUNTERED DURING DRILLING OPERATIONS, NOTIFY EOR IMMEDIATELY. MINOR ADJUSTMENT TO ANCHOR LOCATION MAY BE REQUIRED.
- CONTRACTOR SHALL USE EQUIPMENT MANUFACTURER'S BOLTING LAYOUT AND SPECIFICATIONS. SPECIAL INSPECTIONS REQUIRED DURING INSTALLATION OF ANCHORS.
- MANUAL CLEANING OF THE DRILLED HOLE IS REQUIRED ACCORDING TO ANCHOR MANUFACTURER INSTRUCTIONS AND ICC-ES EVALUATION REPORT NO. ESR-1917.
- ABANDONED ANCHORS TO BE REMOVED OR CUT FLUSH WITH CONCRETE SURFACE. ANY REMAINING VOIDS SHALL BE FILLED WITH HILT-RE 500 V3 EPOXY (ICC ESR NO.3814).



INSTALLATION DETAILS FOR POST-INSTALLED ANCHORS	
ANCHOR TYPES	HILTI KB-TZ2 STAINLESS STEEL
LENGTH OF ANCHOR, LUNTHREAD (in)	4.500
DIAMETER OF ANCHOR, DA (in)	0.500
MINIMUM THICKNESS OF FASTENED STEEL MATERIAL, TMIN (in)	0.25*
MINIMUM EFFECTIVE EMBEDMENT, HEF (in)	3.250
MINIMUM NOMINAL EMBEDMENT, HNOM (in)	3.750
MINIMUM DRILL HOLE DEPTH, HO (in)	4.000**
MINIMUM CONCRETE SLAB THICKNESS, TCONC (in)	5.500*
REQUIRED INSTALLATION TORQUE	40 FT-LB

\*NOTIFY EOR IF MATERIAL THICKNESS DOES NOT MEET MINIMUM VALUES SPECIFIED.  
 \*\*HAMMER DRILL HOLE IN CONCRETE BASE MATERIAL AND CLEAN HOLE PER MANUFACTURER'S SPECIFICATIONS

MANUFACTURER: RFS  
 MODEL NO.: APXVAALL24\_43-U-NA20 (OCTO)  
 DIMENSIONS, HxWxD: 96.0"x24.0"x8.6"  
 WEIGHT: 123 lbs.



**RADIO 4460 B25+B66 DETAIL**

SCALE: NONSCALE 8

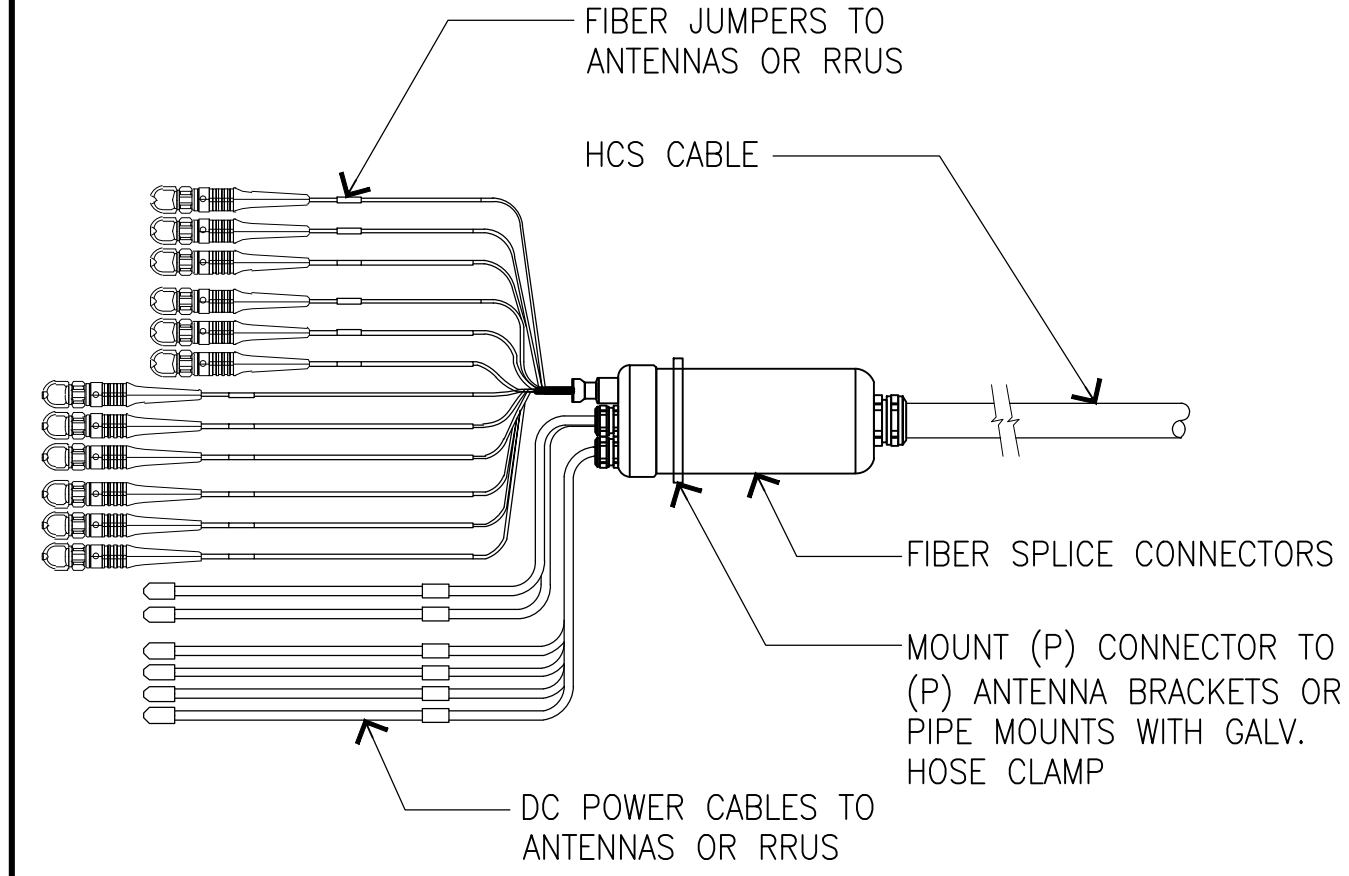
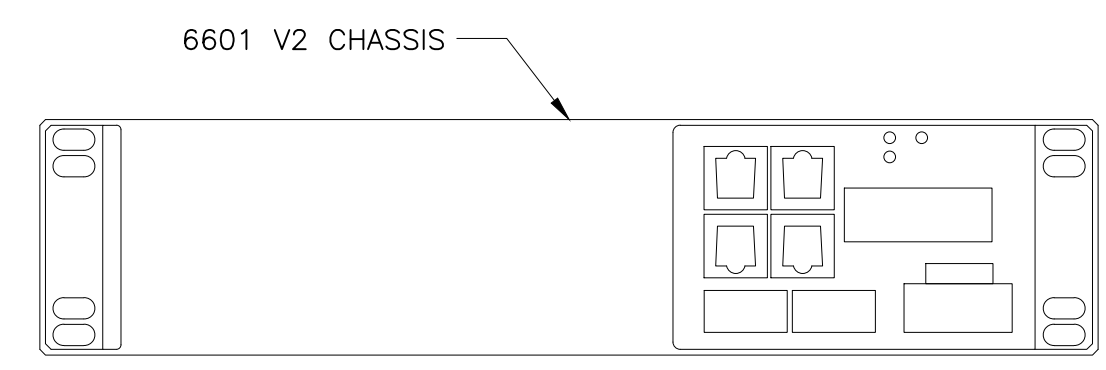
**CABINET ANCHORAGE DETAIL**

SCALE: NTS 4

**RFS - APXVAALL24\_43-U-NA2**

SCALE: NTS 1

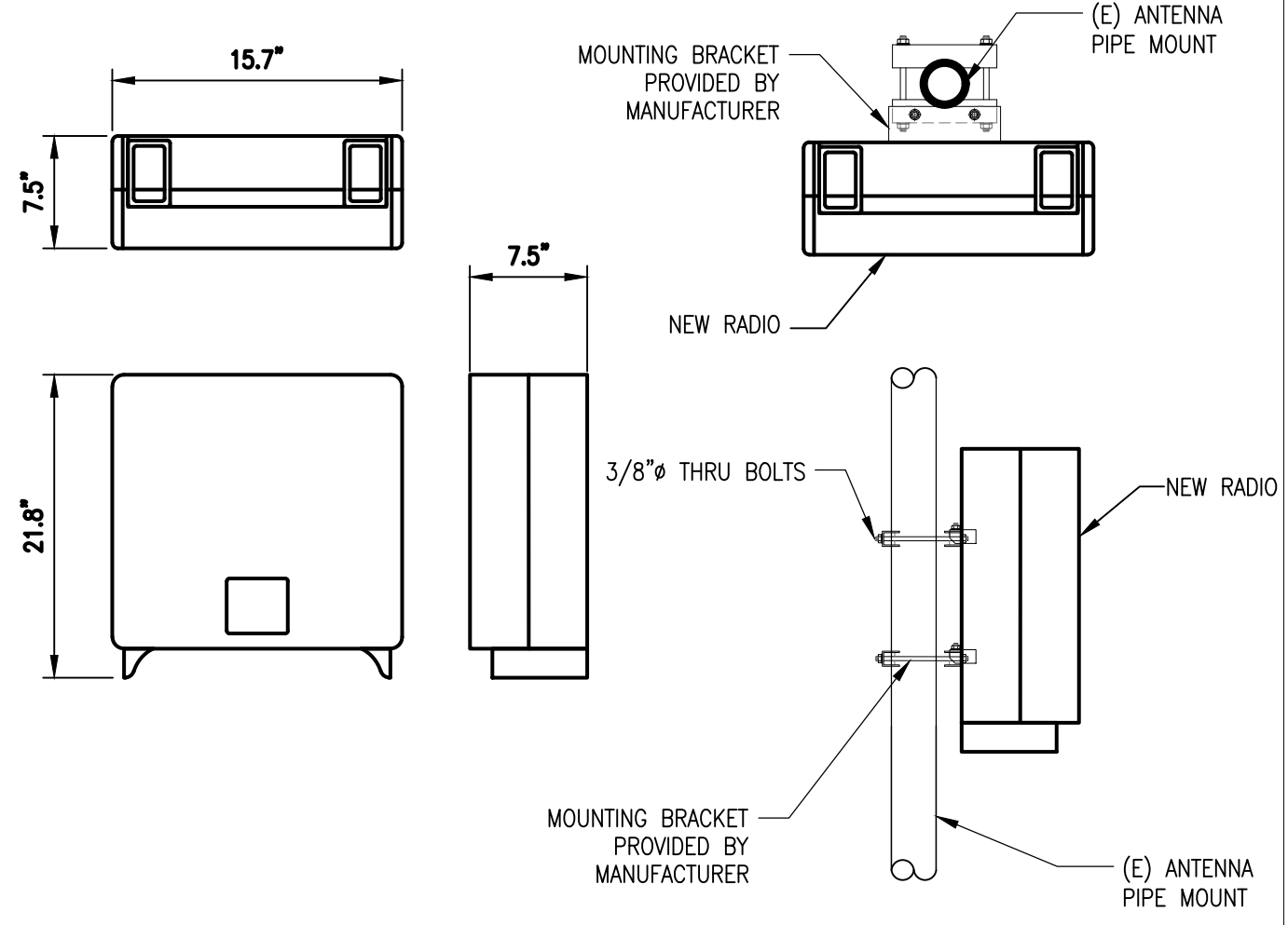
**ERICSSON INDOOR RBS 6601V2 CHASSIS**  
 DC POWER SUPPLY  
 NOMINAL VOLTAGE: -48VDC  
 OPERATING VOLTAGE RANGE: -40.0 TO -57.6VDC  
 NON-DESTRUCTIVE VOLTAGE RANGE: 0 TO -60VDC  
 POWER CONSUMPTION: 250W



**VOLTAGE BOOSTER**  
 DIMENSIONS, WxDxH: (19"x14.3"x1.7")  
 OPERATING TEMPERATURE: -40 TO +60°C  
 INPUT VOLTAGE: -38 TO -58.5 VOLTS  
 INPUT CURRENT, MAX: 200A  
 FUSE RATING: 30A, 40A OR 50A



**ERICSSON RADIO 4480 B71+B85**  
 DIMENSIONS, WxDxH: 15.2"x7.5"x19.2"  
 TOTAL WEIGHT: 92.5 lbs  
 TEMPERATURE: -40° TO 55° C



**RBS6601 DETAIL**

SCALE: N.T.S. 9

**HCS DETAIL**

SCALE: N.T.S. 6

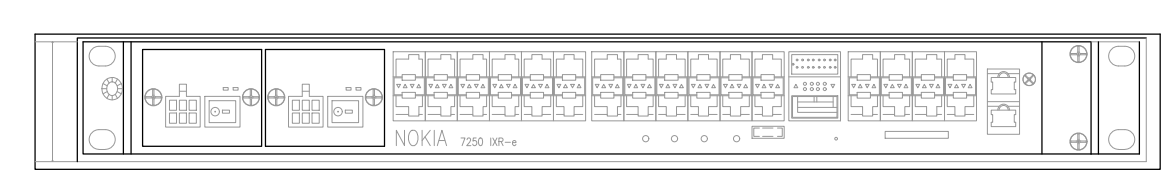
**PSU 4813 VOLTAGE BOOSTER**

SCALE: NTS 5

**RADIO 4480 B71+B85 DETAIL**

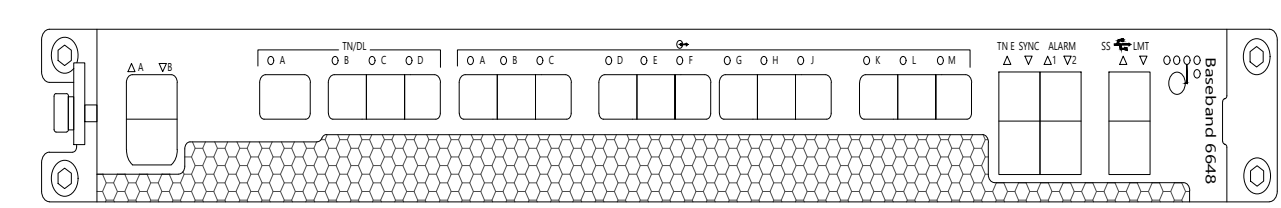
SCALE: NO SCALE 2

MANUFACTURER: NOKIA  
 MODEL: IXR-e  
 DIMENSIONS: 17.25"x10.0"x1.75"

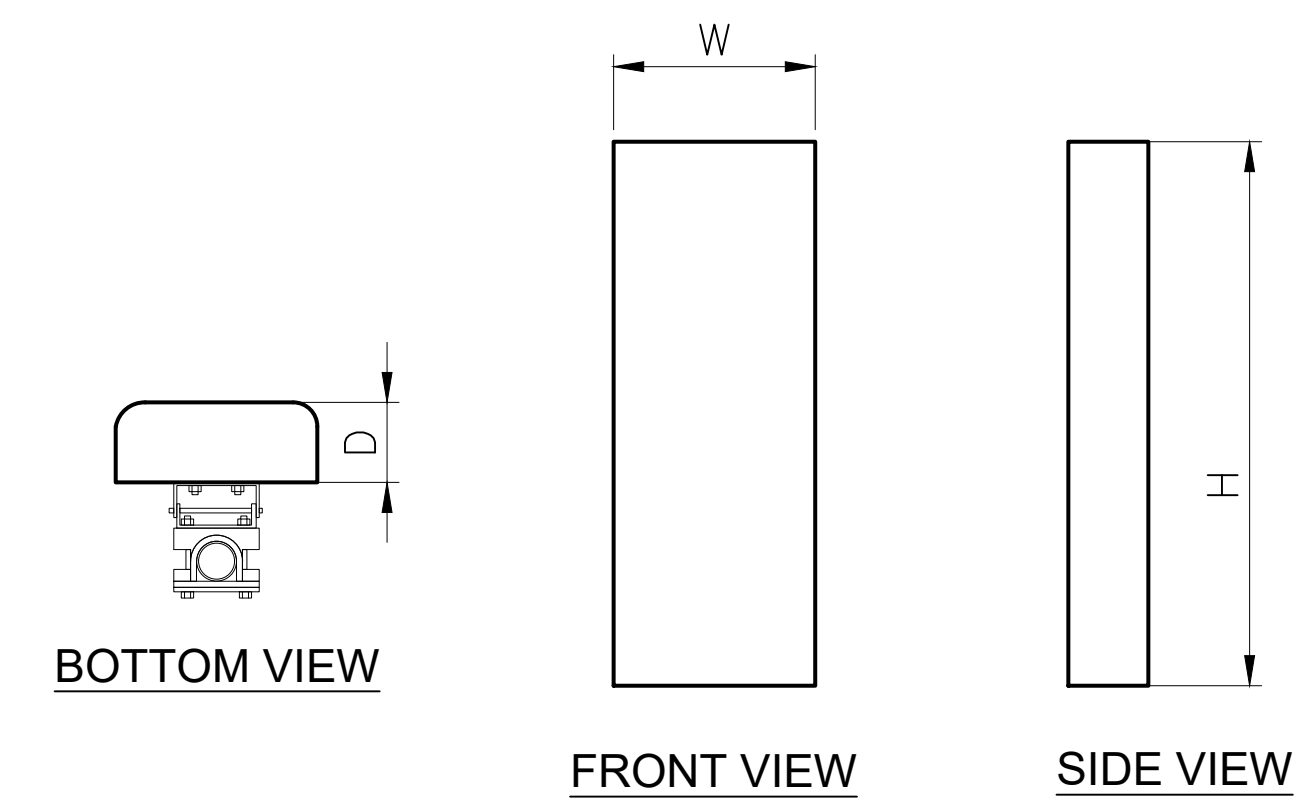


**ERICSSON BASEBAND UNIT 6648**

DC POWER SUPPLY  
 NOMINAL VOLTAGE: -48VDC  
 TEMPERATURE: 0 TO + 55 DEG C  
 DIMENSION (W x D): 19" X 13.86"  
 WEIGHT: 16.53 lbs



RFS_APXVLL19P_43-C-A20	
DIMENSIONS (HxWxD)	75.8"x11.3"x4.6"
WEIGHT W/O MOUNTING KIT	40.9 LBS.



**CSR IXRE ROUTER DETAIL**

SCALE: NTS 10

**BASEBAND 6648 SPECIFICATION**

SCALE: NTS 7

**RFS\_APXVLL19P\_43-C-A20**

SCALE: NTS 3

**T-Mobile**  
 Stick Together  
 121 SOUTH ELECTION RD. SUITE 330  
 DRAPER, UT 84103

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 (L600)  
**SL04115C**  
**SNOW\_BASIN\_SKIRUNS**  
 SE 1/4 SEC.5, T.5N.,R.1E., SLM  
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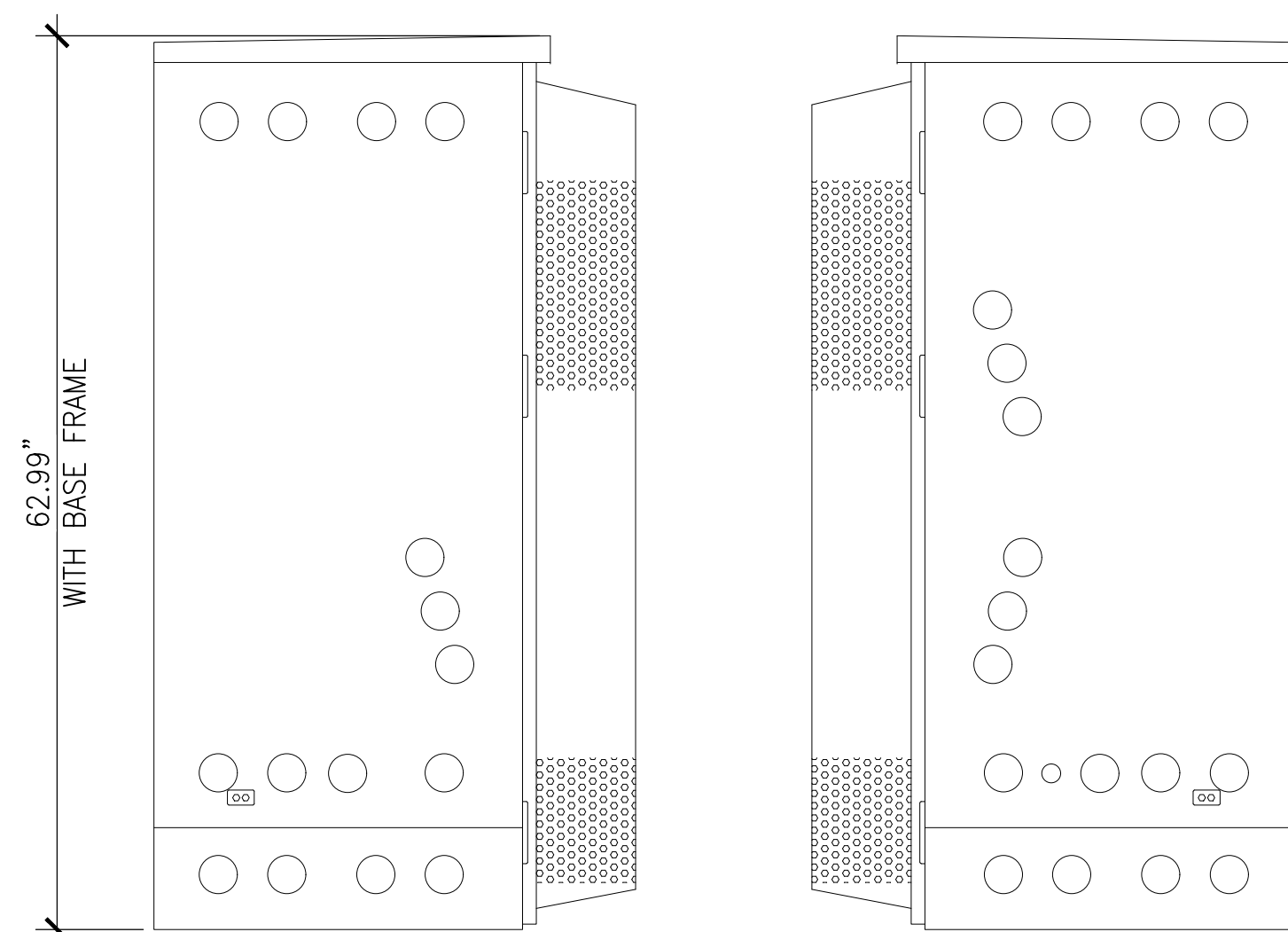
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DRAWN BY: RC  
 CHK.: TMH  
 APV.: TMH

LICENSURE:  
 SHEET TITLE:  
**DETAILS AND SPECIFICATIONS II**

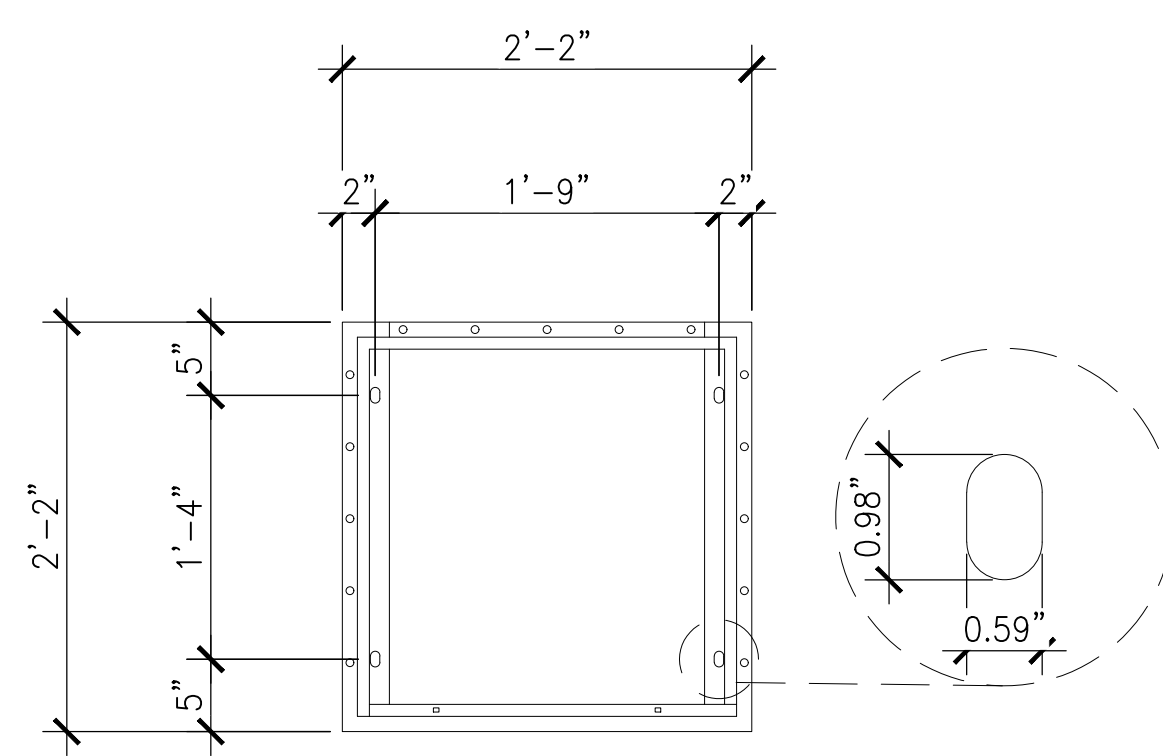
SHEET NUMBER:  
**D-2**  
 REVISION:  
 0

SL04115C

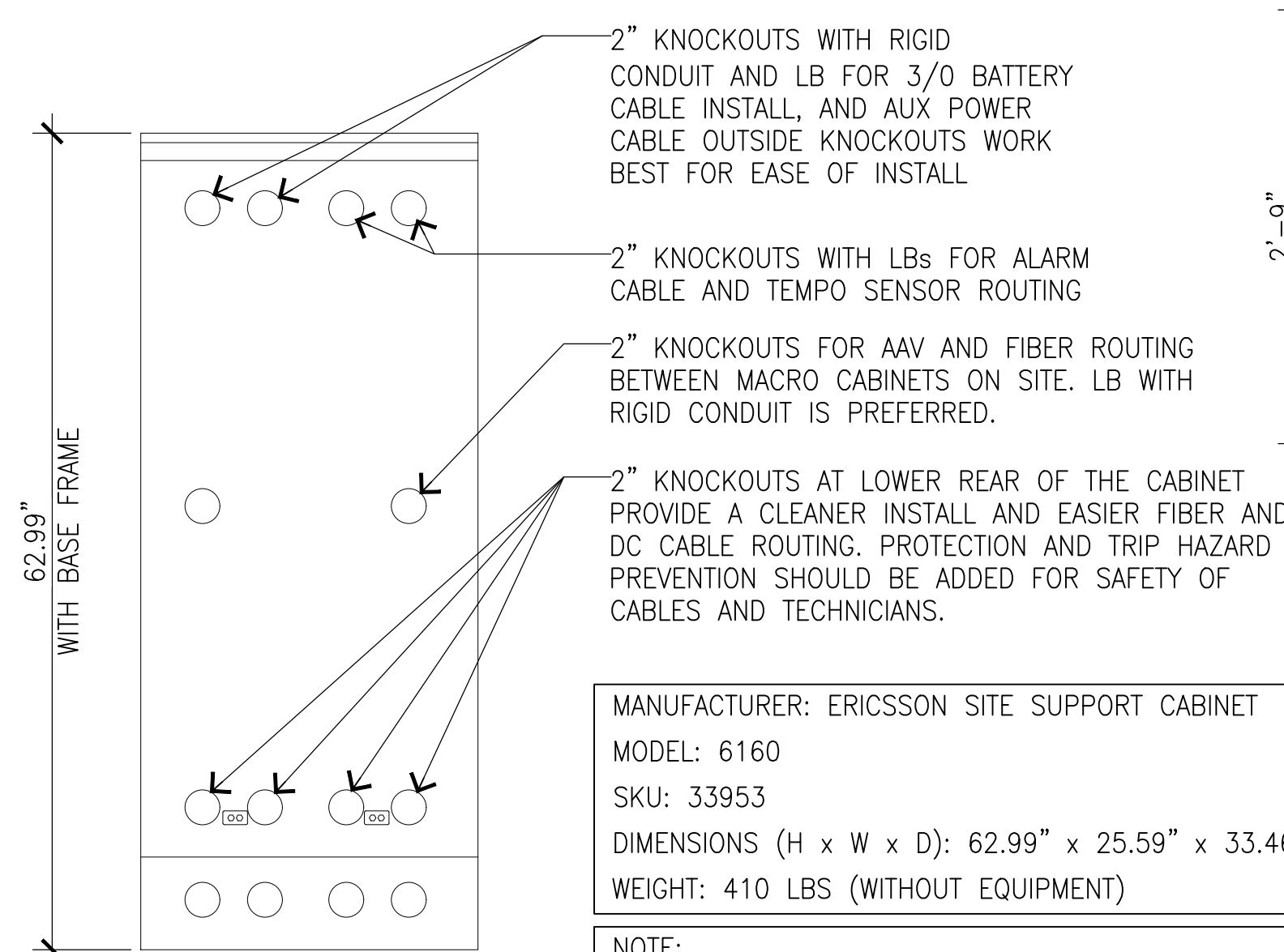


LEFT VIEW

RIGHT VIEW



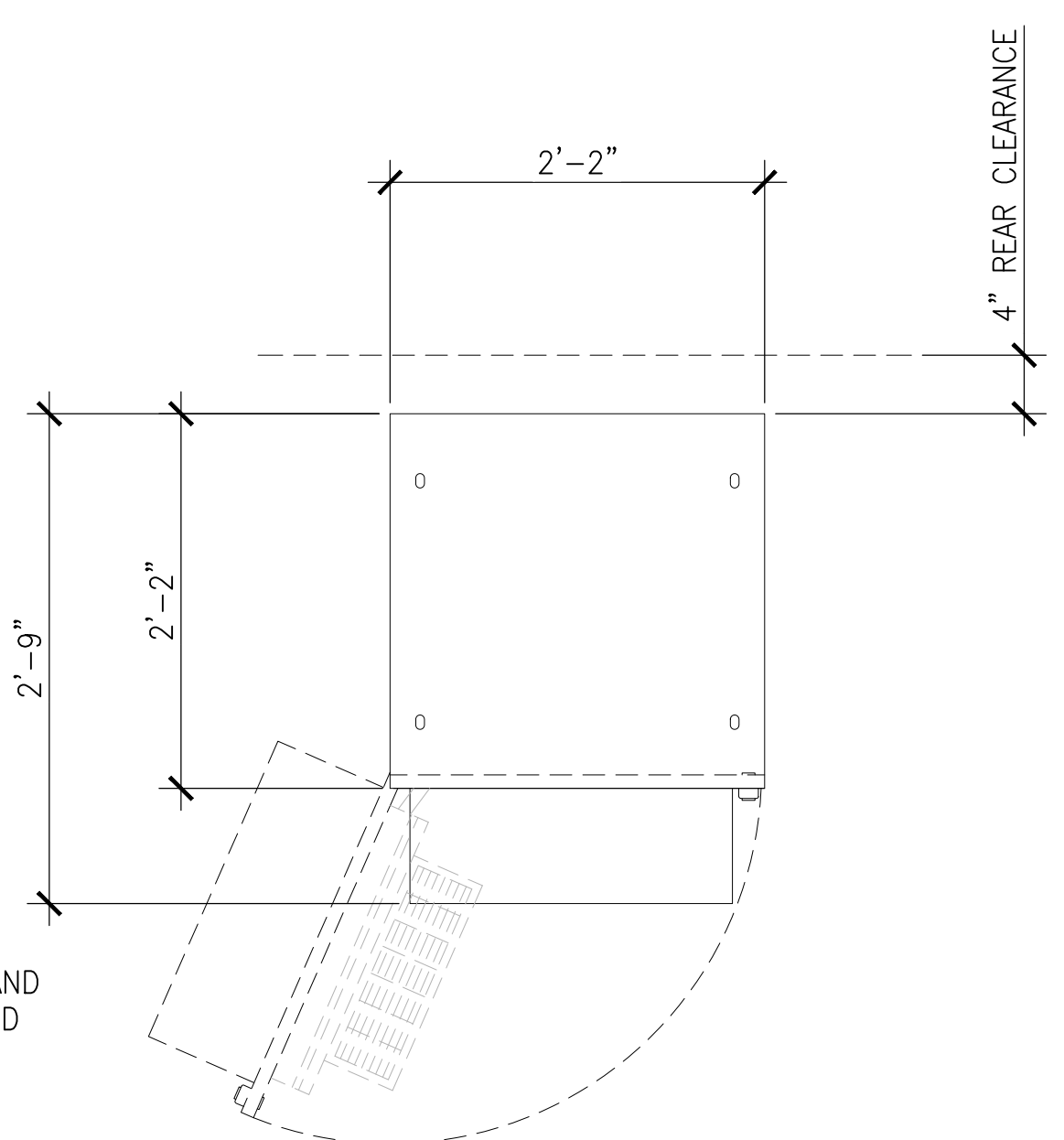
INSTALLATION HOLE PATTERN



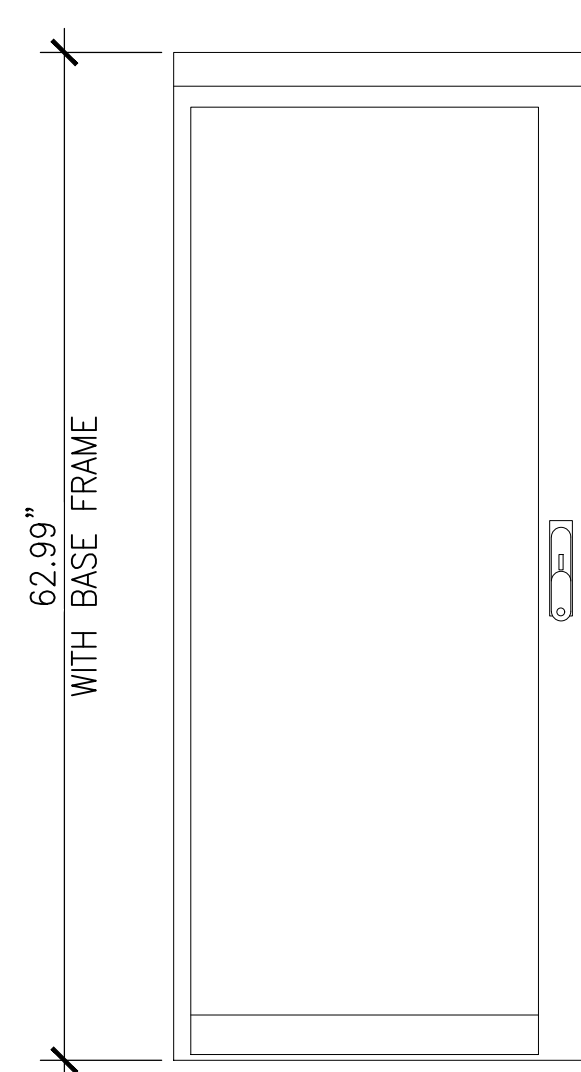
REAR VIEW

MANUFACTURER: ERICSSON SITE SUPPORT CABINET  
 MODEL: 6160  
 SKU: 33953  
 DIMENSIONS (H x W x D): 62.99" x 25.59" x 33.46"  
 WEIGHT: 410 LBS (WITHOUT EQUIPMENT)

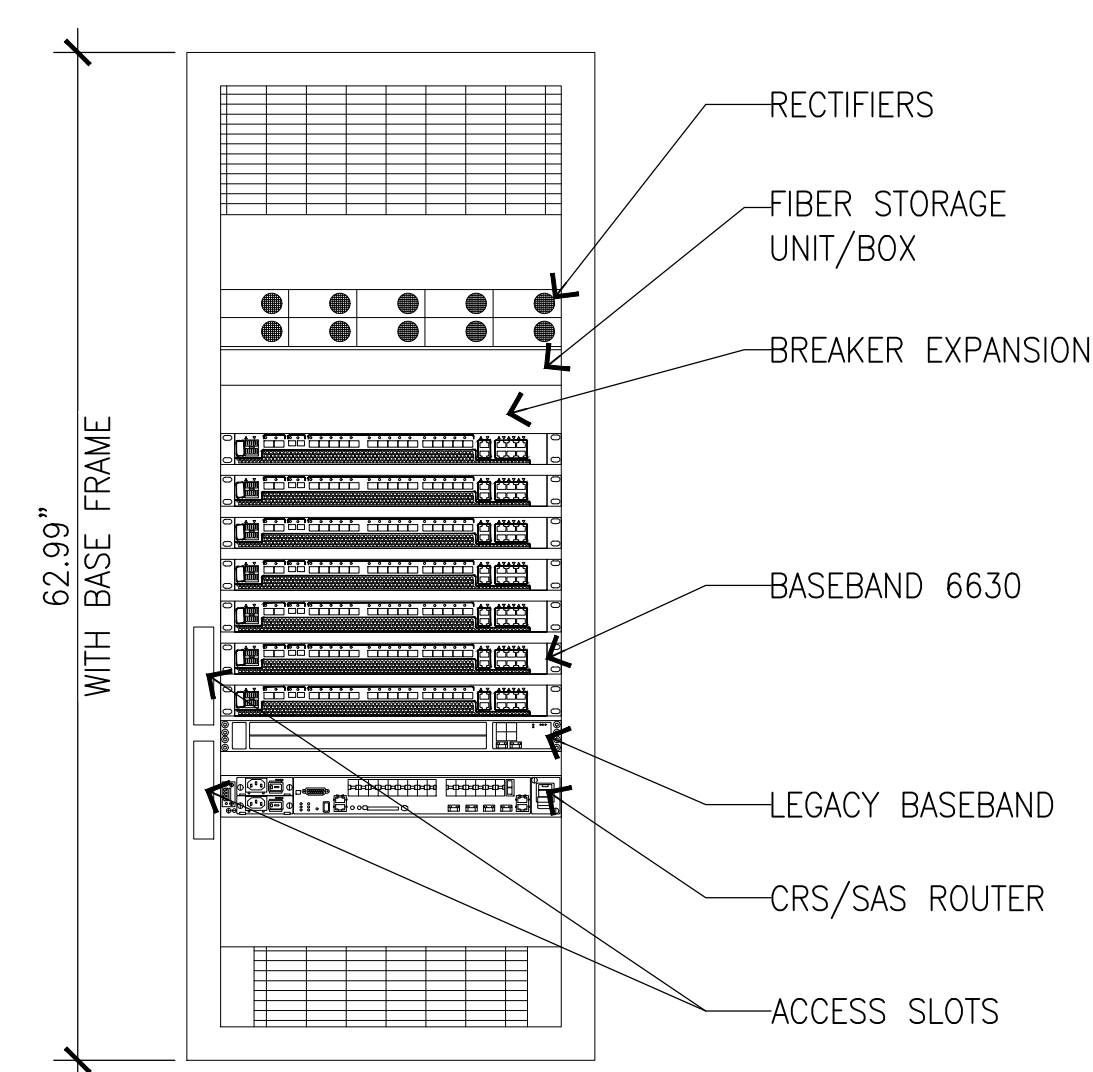
NOTE:  
 • CORRECT KNOCKOUT TOOL REQUIRED FOR PUNCHING KNOCKOUTS. DO NOT DRILL KNOCKOUTS THROUGH  
 • CONDUIT MUST BE PROPERLY SECURED TO PREVENT DAMAGE TO CABINETS AND/OR CABLING



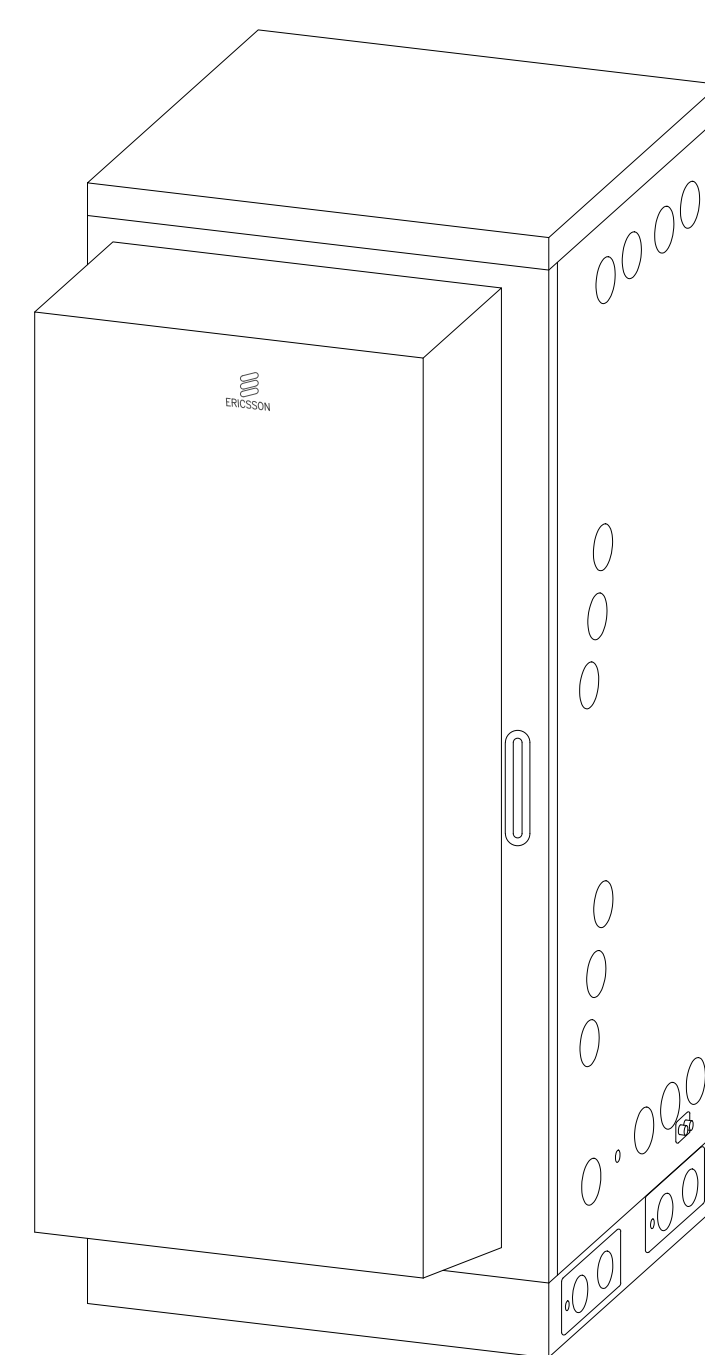
PLAN VIEW



FRONT VIEW



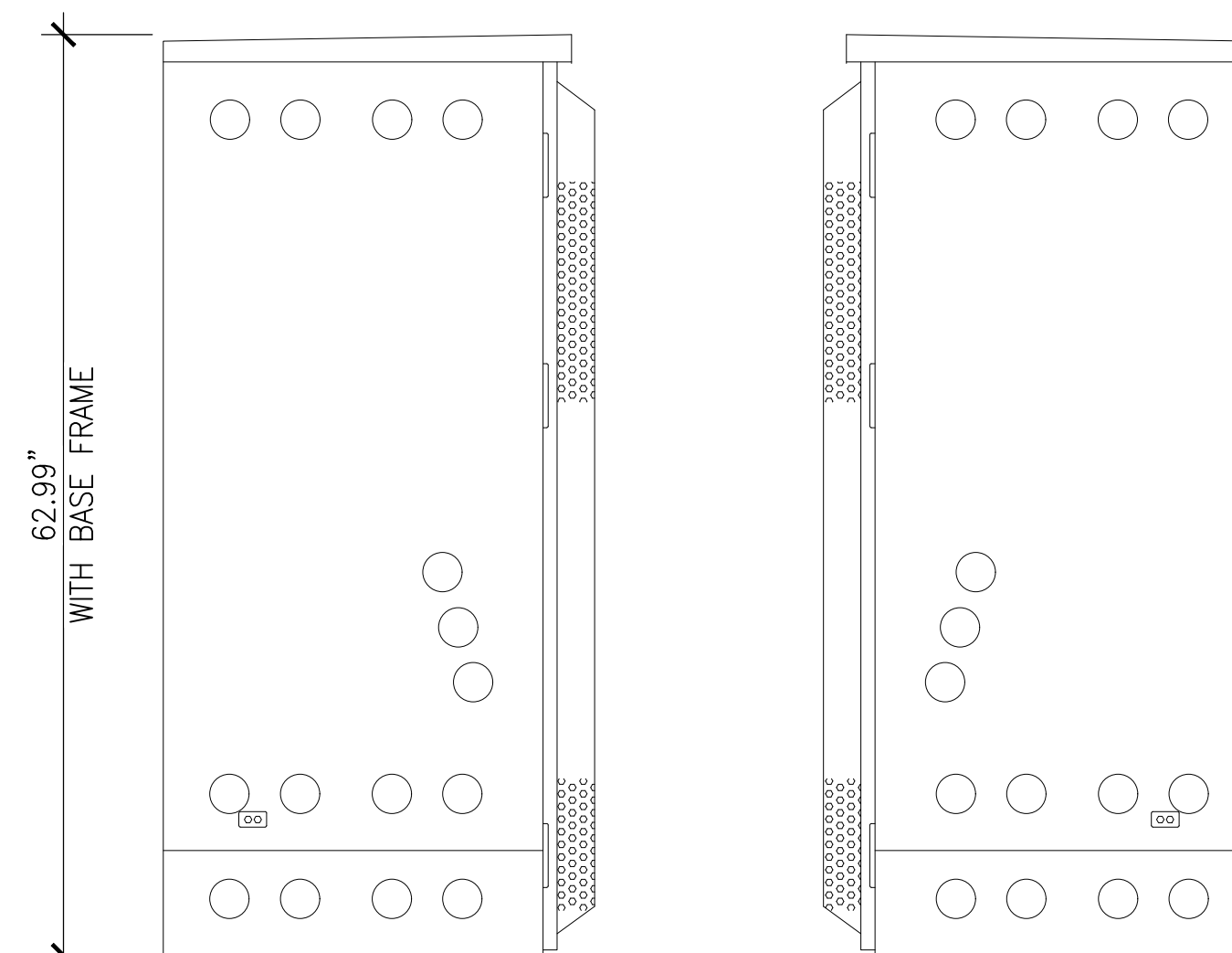
FRONT VIEW (OPEN)



ISOMETRIC VIEW

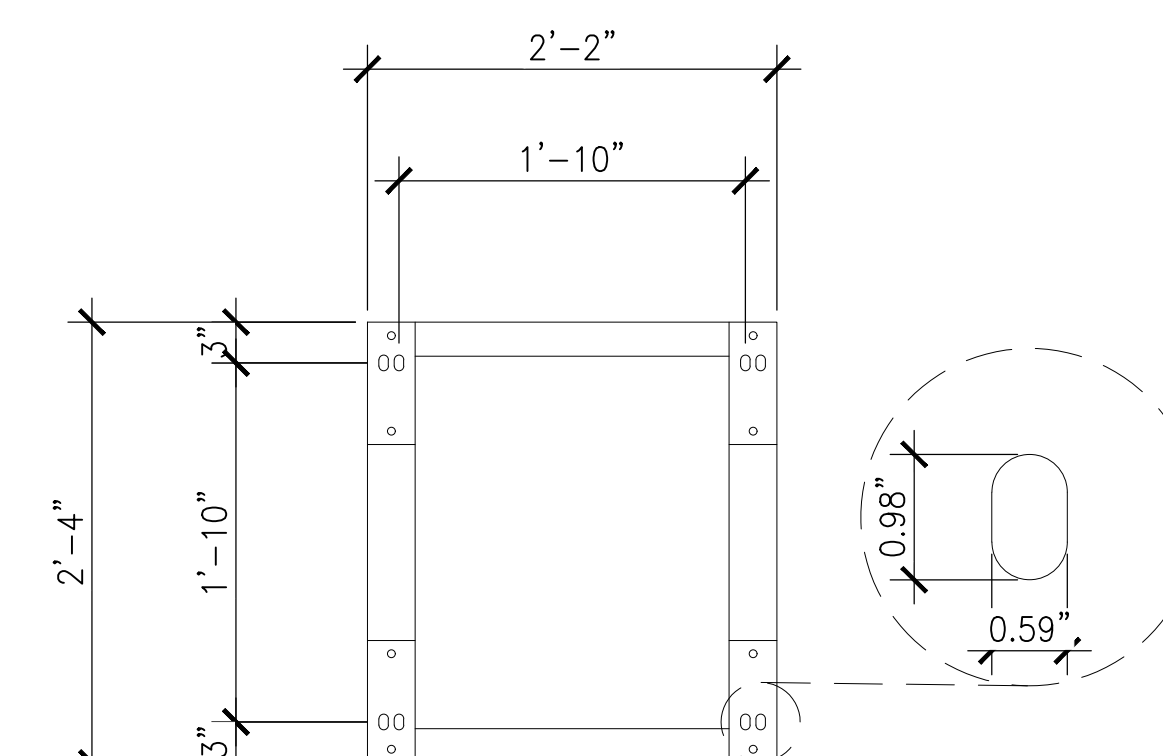
ERICSSON 6160 SITE SUPPORT CABINET DETAILS

SCALE: N.T.S. 2

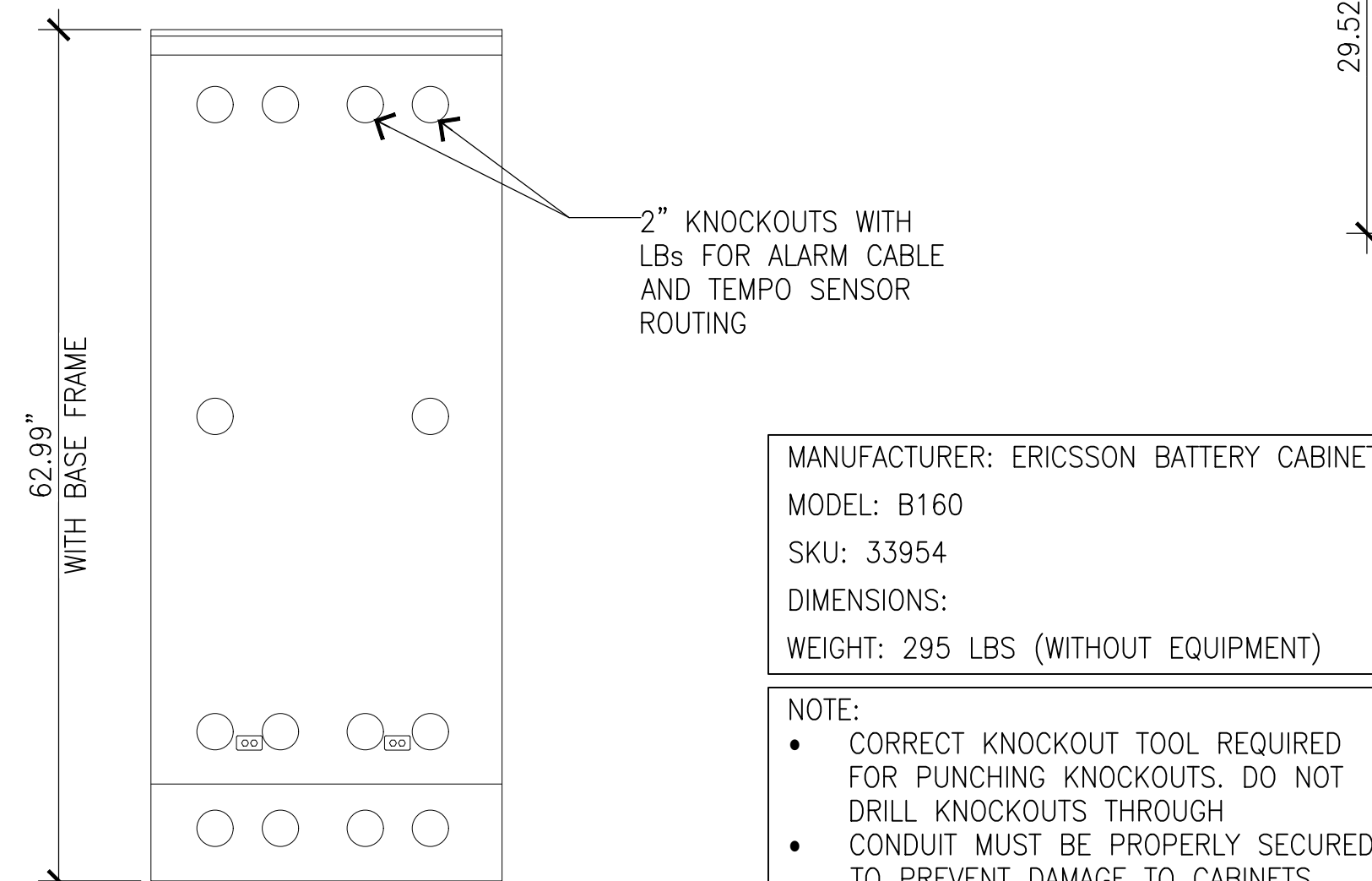


LEFT VIEW

RIGHT VIEW



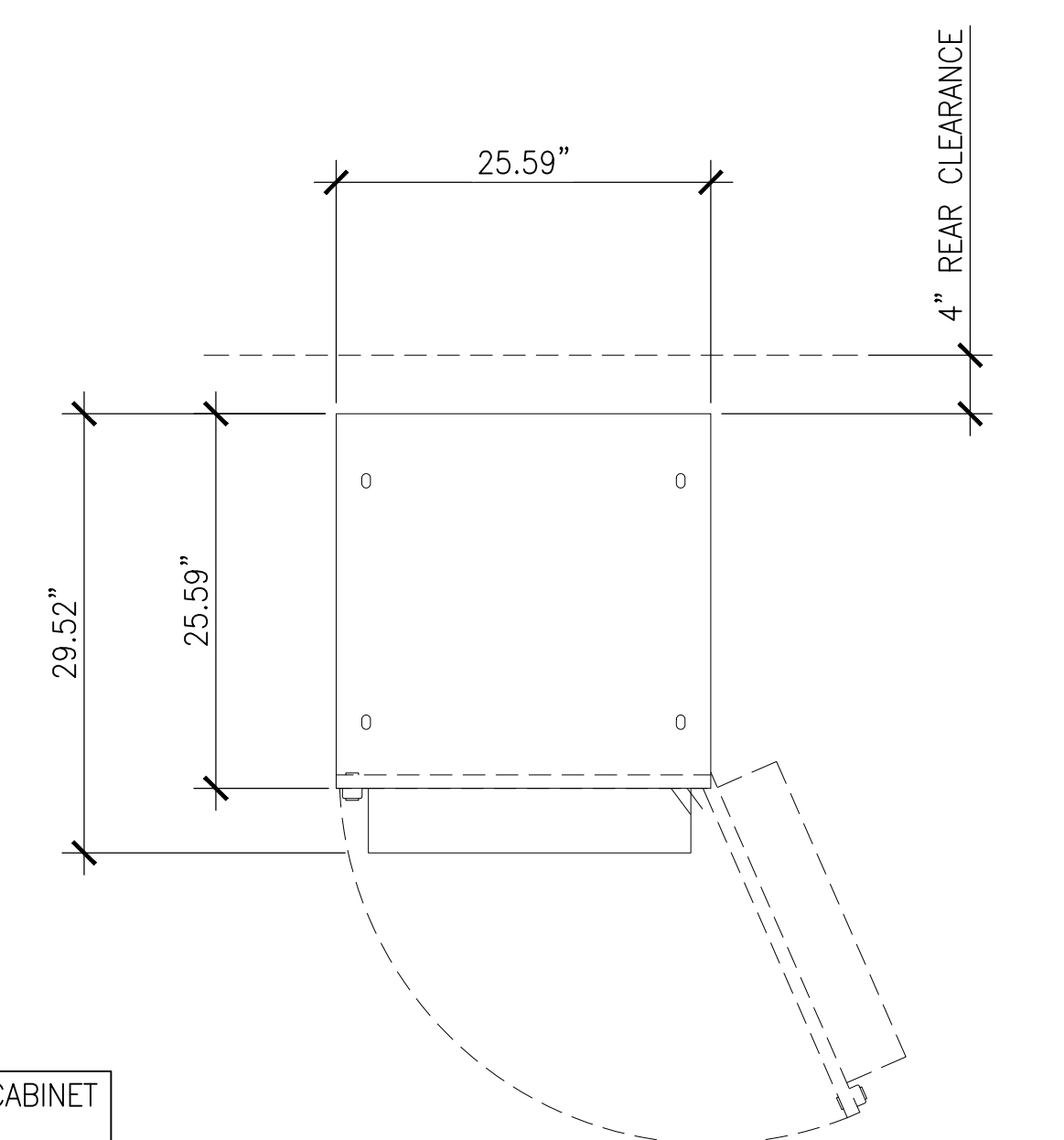
INSTALLATION HOLE PATTERN



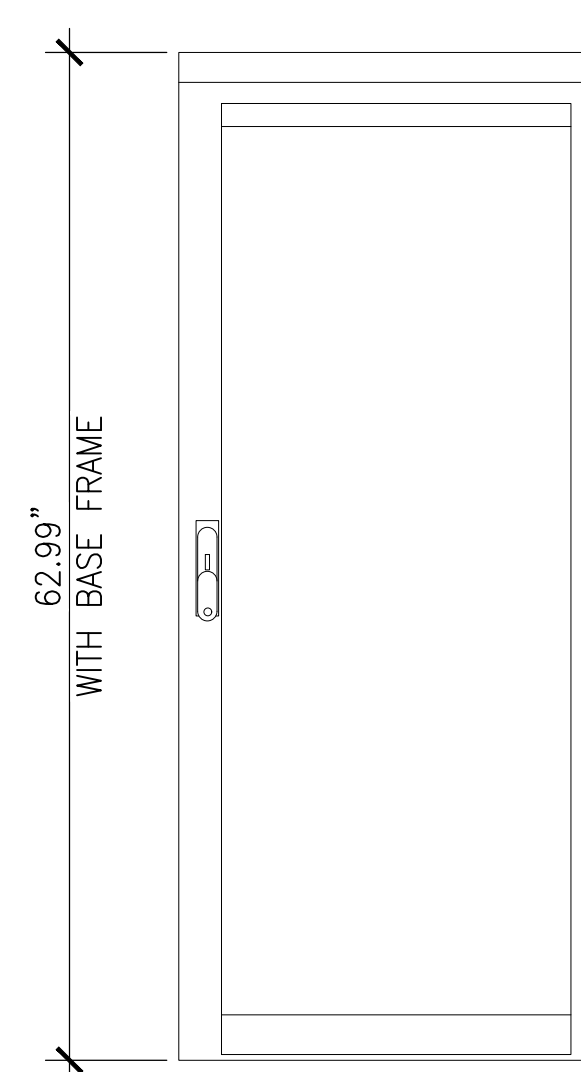
REAR VIEW

MANUFACTURER: ERICSSON BATTERY CABINET  
 MODEL: B160  
 SKU: 33954  
 DIMENSIONS:  
 WEIGHT: 295 LBS (WITHOUT EQUIPMENT)

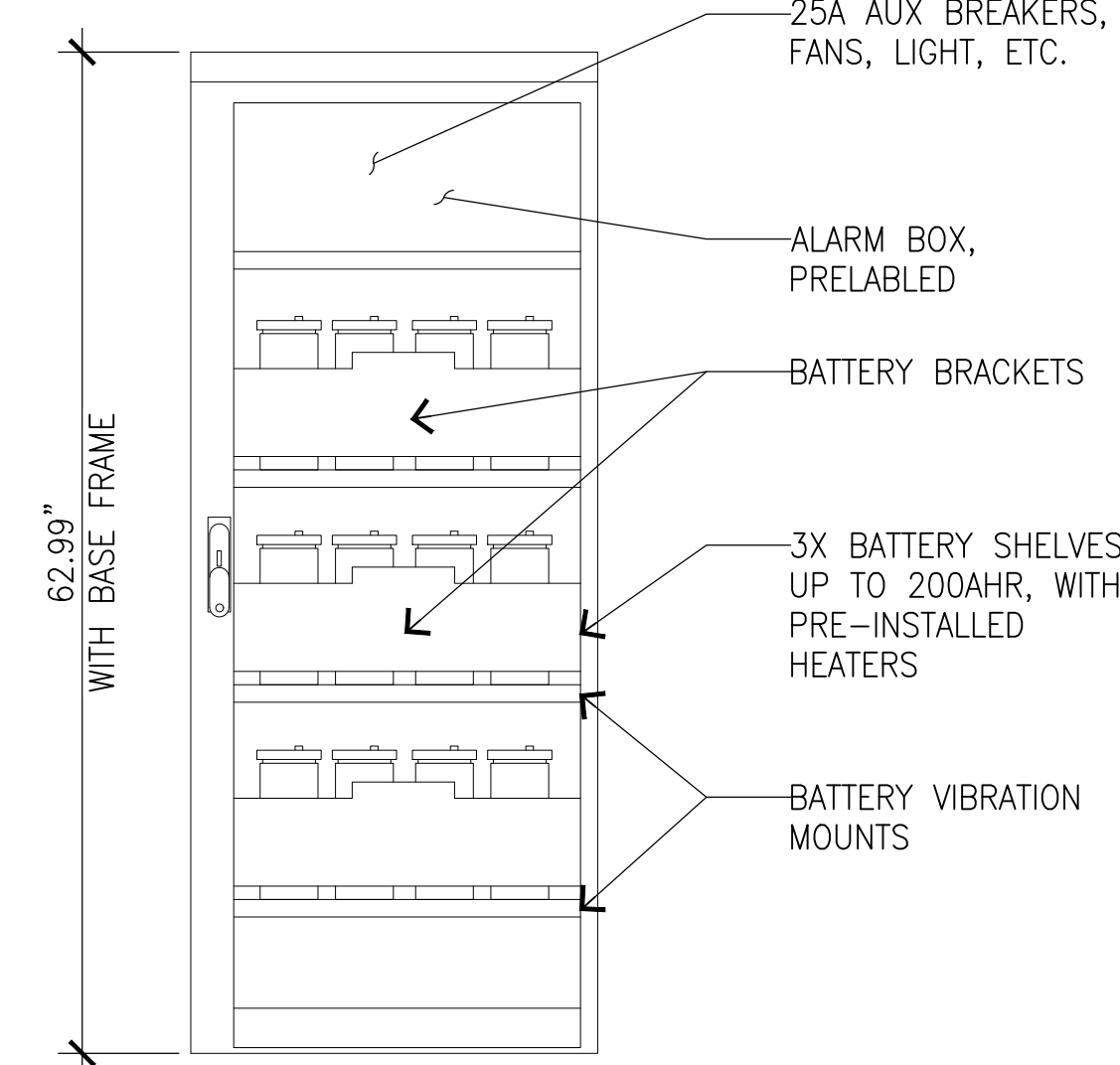
NOTE:  
 • CORRECT KNOCKOUT TOOL REQUIRED FOR PUNCHING KNOCKOUTS. DO NOT DRILL KNOCKOUTS THROUGH  
 • CONDUIT MUST BE PROPERLY SECURED TO PREVENT DAMAGE TO CABINETS AND/OR CABLING



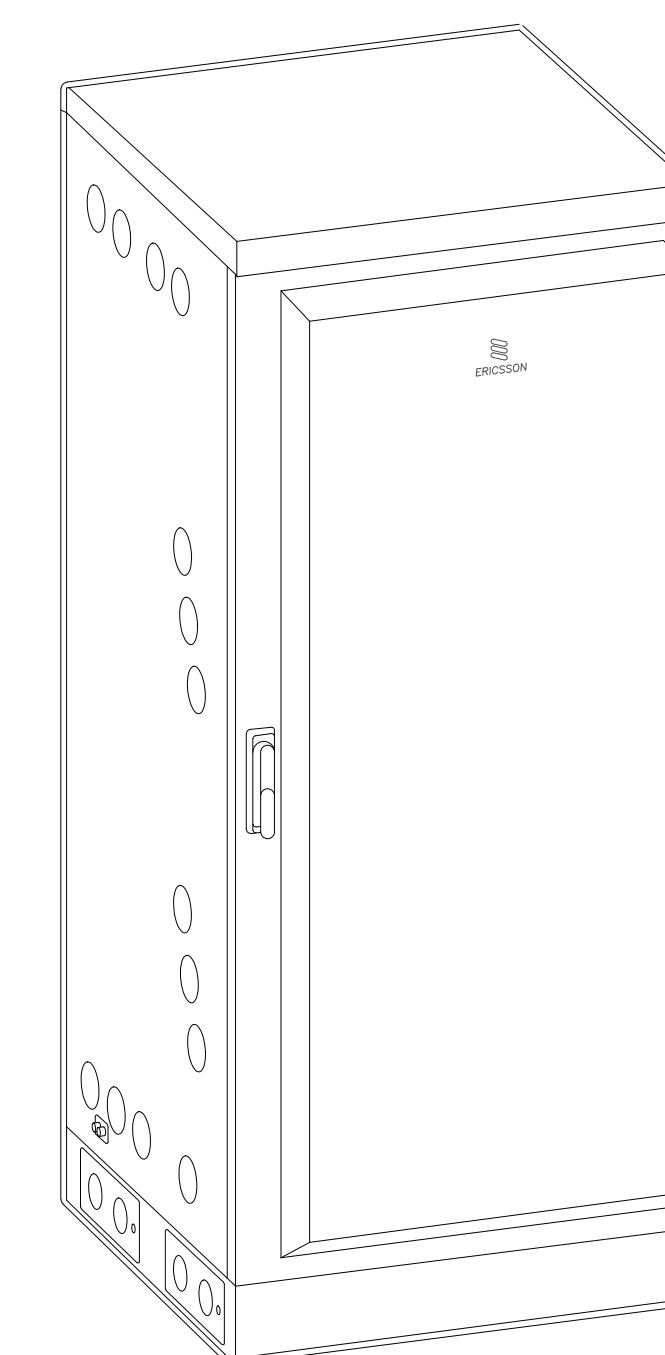
PLAN VIEW



FRONT VIEW



FRONT VIEW (OPEN)



ISOMETRIC VIEW

ERICSSON B160 BATTERY CABINET DETAILS

SCALE: N.T.S. 1

PROJECT INFORMATION:

(L600)  
**SL04115C**  
**SNOW\_BASIN\_SKIRUNS**  
 SE 1/4 SEC.5, T.5N.,R.1E., SLM  
 HUNTSVILLE, UTAH 84317  
 WEBER COUNTY

CURRENT ISSUE DATE:

12/14/21

ISSUED FOR:

**CONSTRUCTION**

REV.: DATE: DESCRIPTION: BY:

REV.	DATE	DESCRIPTION	BY
0	12/14/21	100% CD	RC

PLANS PREPARED BY:



7543 Woodley Ave., #201, Van Nuys, CA 91406  
 Office: (818) 840-0808 Fax: (818) 840-0708

CONSULTANT:



7543 Woodley Ave., #201, Van Nuys, CA 91406  
 Office: (818) 840-0808 Fax: (818) 840-0708

DRAWN BY: CHK.: APV.:

RC	TMH	TMH
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LICENSURE:

SHEET TITLE:

**DETAILS AND SPECIFICATIONS III**

SHEET NUMBER: REVISION:

**D-3**

**0**

SL04115C

PROJECT INFORMATION:

(L600)  
SL04115C  
SNOW\_BASIN\_SKIRUNS  
SE 1/4 SEC.5, T.5N.,R.1E., SLM  
HUNTSVILLE, UTAH 84317  
WEBER COUNTY

CURRENT ISSUE DATE:

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CONSTRUCTION

REV.: DATE: DESCRIPTION: BY:

0	12/14/21	100% CD	RC

PLANS PREPARED BY:



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CONSULTANT:



7543 Woodley Ave., #201, Van Nuys, CA 91406  
Office: (818) 840-0808 Fax: (818) 840-0708

DRAWN BY: CHK.: APV.:

RC TMH TMH

LICENSURE:

SHEET TITLE:

DETAILS AND SPECIFICATIONS IV

SHEET NUMBER: REVISION:

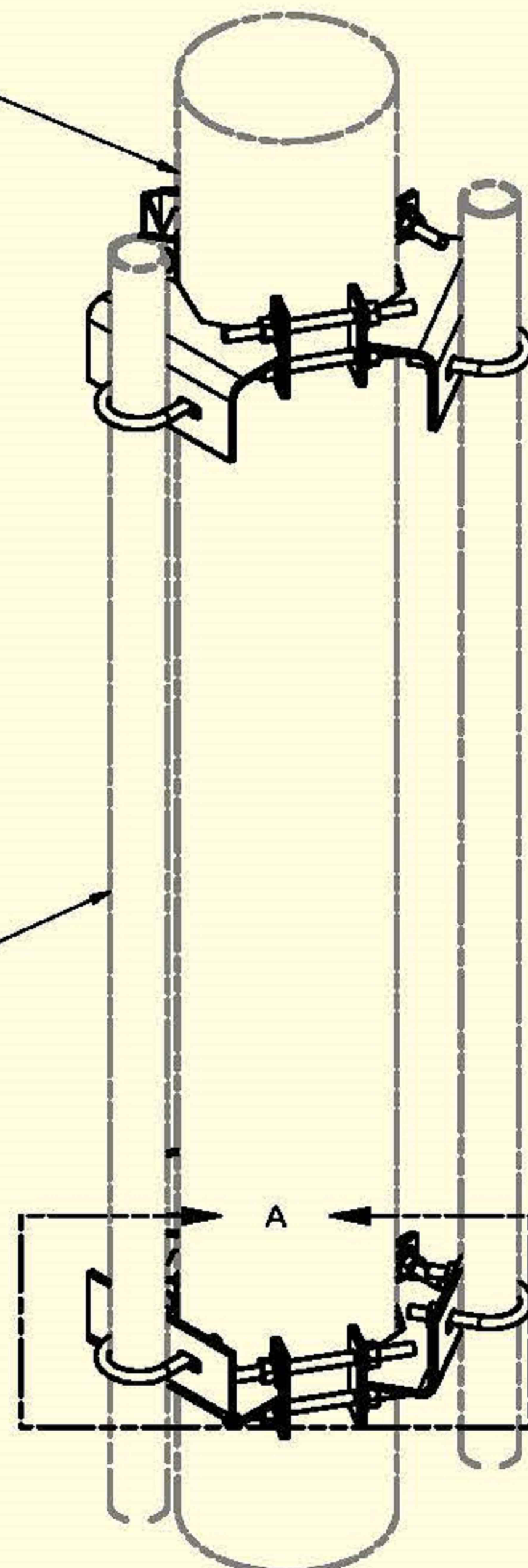
D-4

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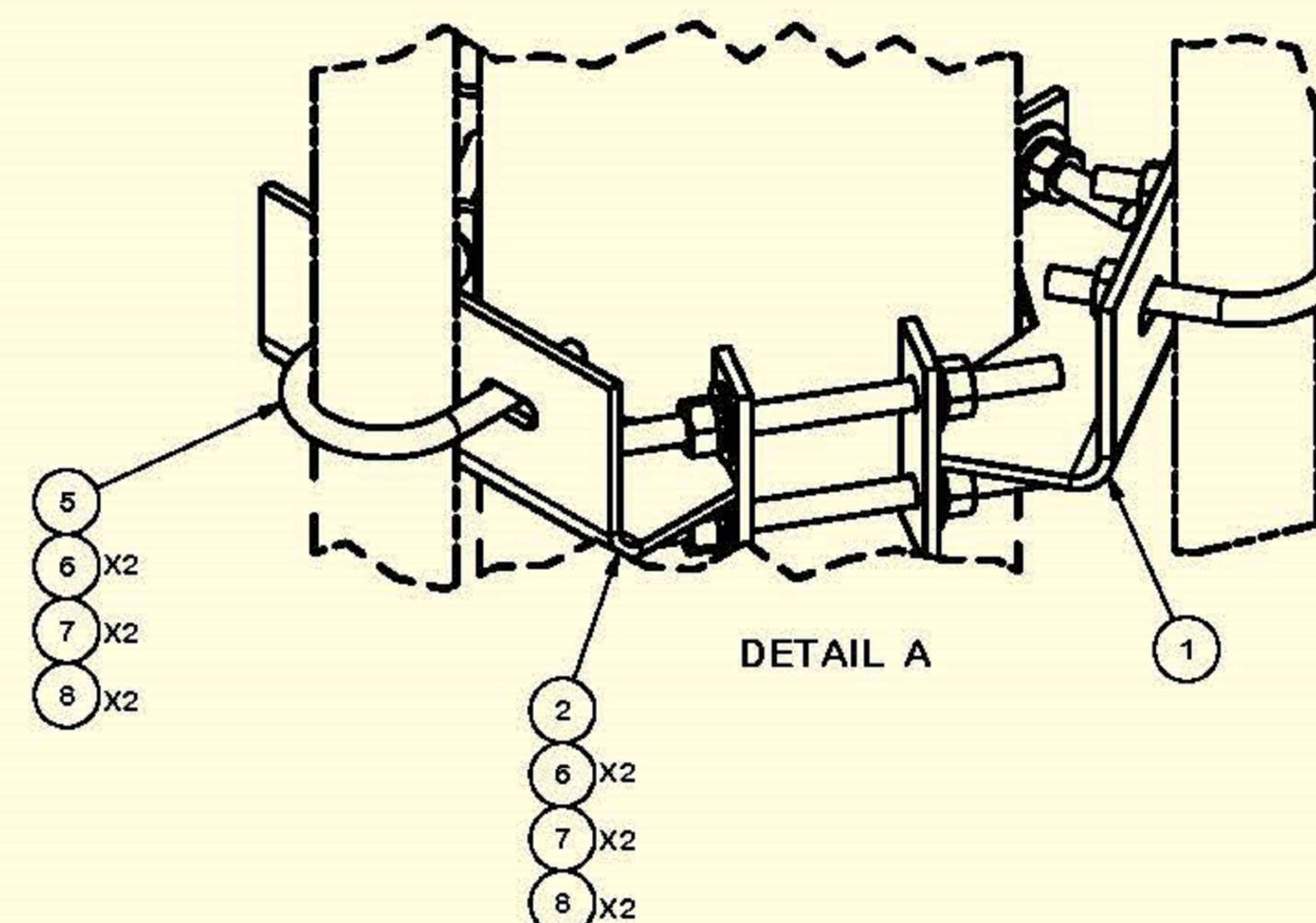
SL04115C

CONNECTS TO EXISTING TOWER LEG:  
6" TO 10"

2-3/8" TO 3-1/2"  
ANTENNA MOUNTING PIPES  
SOLD SEPARATELY



PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	6	X-UTSML	UNIVERSAL TRI-SECTOR MOUNT WEDLEMNT FOR LARGER LEGS		4.74	28.44
2	12	G12R-8	1/2" x 8" THREADED ROD (HDG.)		0.45	5.35
3	6	X-UB1358	1/2" X 3-5/8" X 5-1/2" X 3" U-BOLT (HDG.)		0.77	4.63
4	6	X-UB1300	1/2" X 3" X 5" X 2" U-BOLT (HDG.)		0.67	4.01
5	6	X-UB1212	1/2" X 2-1/2" X 4-1/2" X 2" U-BOLT (HDG.)		0.60	3.58
6	36	G12FW	1/2" HDG USS FLATWASHER	3/32 in	0.03	1.23
7	36	G12LW	1/2" HDG LOCKWASHER	1/8 in	0.01	0.50
8	36	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	2.58
TOTAL WT. #						45.81



TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:  
SAWED, SHEARED AND GAS CUT EDGES ( $\pm 0.030"$ )  
DRILLED AND GAS CUT HOLES ( $\pm 0.030"$ ) - NO CONING OF HOLES  
LASER CUT EDGES AND HOLES ( $\pm 0.010"$ ) - NO CONING OF HOLES  
BENDS ARE  $\pm 1/2$  DEGREE  
ALL OTHER MACHINING ( $\pm 0.030"$ )  
ALL OTHER ASSEMBLY ( $\pm 0.060"$ )

PROPRIETARY NOTE:  
THE DATA AND TECHNIQUES CONTAINED IN THE DRAWINGS ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES IS STRICTLY PROHIBITED.

DESCRIPTION  
UNIVERSAL TRI-SECTOR MOUNT KIT  
FOR LARGER LEGS

**SITE PRO**  
A valmont industries company  
Locations:  
New York, NY  
Atlanta, GA  
Los Angeles, CA  
Plymouth, IN  
Salem, OR  
Dallas, TX  
Tampa, FL  
Engineering Support Team:  
1-888-753-7446

CPD NO.	DRAWN BY	ENG. APPROVAL
	CEK 3/7/2019	
CLASS	SUB	DRAWING USAGE
81	02	CUSTOMER
		CHECKED BY
		BMC 3/12/2019

PART NO.	UTSM-L
DWG. NO.	UTSM-L

PAGE  
1 OF 1

PROJECT INFORMATION:

(L600)  
SL04115C  
SNOW\_BASIN\_SKIRUNS  
SE 1/4 SEC.5, T.5N.,R.1E., SLM  
HUNTSVILLE, UTAH 84317  
WEBER COUNTY

CURRENT ISSUE DATE:

12/14/21

ISSUED FOR:

CONSTRUCTION

REV.: DATE: DESCRIPTION: BY:

0	12/14/21	100% CD	RC

PLANS PREPARED BY:

**Synergy**  
a division of **advantage engineers**  
7543 Woodley Ave., #201, Van Nuys, CA 91406  
Office: (818) 840-0808 Fax: (818) 840-0708

CONSULTANT:

**Synergy**  
a division of **advantage engineers**  
7543 Woodley Ave., #201, Van Nuys, CA 91406  
Office: (818) 840-0808 Fax: (818) 840-0708

DRAWN BY: CHK.: APV.:

RC TMH TMH

LICENSURE:

SHEET TITLE:

DETAILS AND SPECIFICATIONS V

SHEET NUMBER: REVISION:

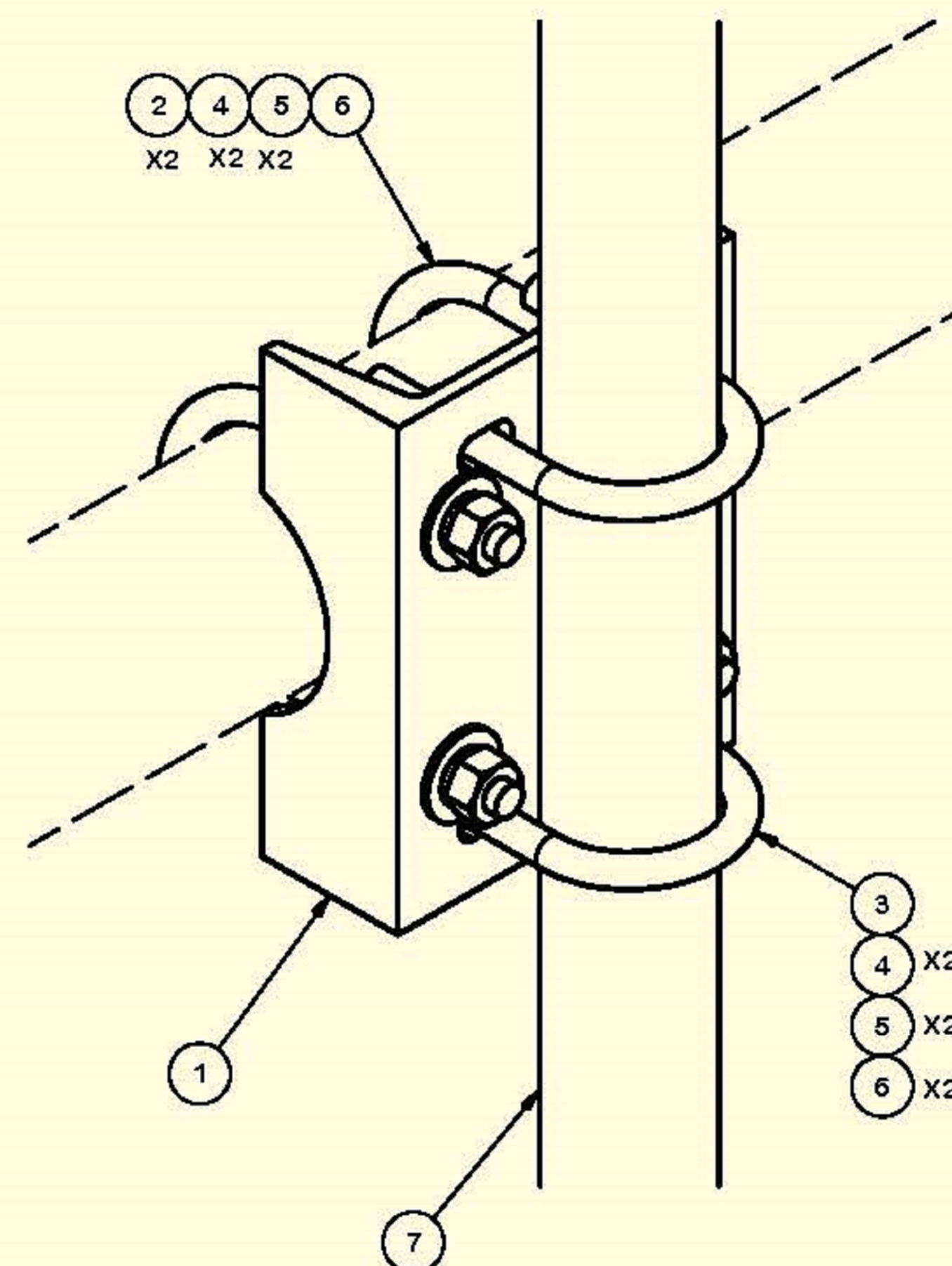
D-5

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SL04115C

2-3/8" O.D. VERTICAL MOUNTING PIPES						
ASSEMBLY "A"	PART NO. "B"	PART DESCRIPTION	LENGTH "C"	UNIT WT. "D"	NET WT. "E"	TOTAL WEIGHT
SP219-63	P263	2-3/8" DIA X 63" SCH 40 GALVANIZED PIPE	63"	20.18	20.18	32.65
SP219-72	P272	2-3/8" DIA X 63" SCH 40 GALVANIZED PIPE	72"	23.07	23.07	35.54
SP219-84	P284	2-3/8" DIA X 63" SCH 40 GALVANIZED PIPE	84"	26.91	26.91	39.38
SP219-96	P296	2-3/8" DIA X 63" SCH 40 GALVANIZED PIPE	96"	30.76	30.76	43.23
SP219-126	P2126	2-3/8" DIA X 10'-6" SCH 40 GALVANIZED PIPE	126"	40.37	40.37	52.84

PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	1	X-SP219	SMALL SUPPORT CROSS PLATE	8.250 in	8.61	8.61
2	2	X-UB1306	1/2" X 3-5/8" X 6" X 3" U-BOLT (HDG.)		0.26	0.51
3	2	X-UB1212	1/2" X 2-1/2" X 4-1/2" X 2" U-BOLT (HDG.)		0.26	0.51
4	8	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	0.57
5	8	G12LW	1/2" HDG LOCKWASHER	.125	0.01	0.11
6	8	G12FW	1/2" HDG USS FLATWASHER	0.095	0.03	0.27
7	1	"B"	2-3/8" O.D. VERTICAL MOUNTING PIPES	"C"	"D"	"E"



FINISH:  
HOT DIP GALVANIZED.

TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:  
SAWED, SHEARED AND GAS CUT EDGES ( $\pm 0.030"$ )  
DRILLED AND GAS CUT HOLES ( $\pm 0.030"$ ) - NO CONING OF HOLES  
LASER CUT EDGES AND HOLES ( $\pm 0.010"$ ) - NO CONING OF HOLES  
BENDS ARE  $\pm 1/2$  DEGREE  
ALL OTHER MACHINING ( $\pm 0.030"$ )  
ALL OTHER ASSEMBLY ( $\pm 0.060"$ )

PROPRIETARY NOTE:  
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DESCRIPTION  
PIPE MOUNT KITS

**SITE PRO**  
A valmont COMPANY  
Locations:  
New York, NY  
Atlanta, GA  
Los Angeles, CA  
Plymouth, IN  
Salem, OR  
Dallas, TX  
Engineering Support Team:  
1-888-753-7446

REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE
A	UPDATED DRAWING, MADE NEW DRAWING FOR SP219-xxxH		CEK	1/25/2016

CPD NO.	DRAWN BY	ENG. APPROVAL
	KC8 8/8/2012	
CLASS	DRAWING USAGE	CHECKED BY
81	CUSTOMER	BMC 2/2/2016

PART NO.	DWG. NO.
SEE ASSEMBLY "A"	SP219-xxx

PAGE  
1 OF 1

PROJECT INFORMATION:

(L600)  
SLO4115C  
SNOW\_BASIN\_SKIRUNS  
SE 1/4 SEC.5, T.5N.,R.1E., SLM  
HUNTSVILLE, UTAH 84317  
WEBER COUNTY

CURRENT ISSUE DATE:

12/14/21

ISSUED FOR:

CONSTRUCTION

REV.: DATE: DESCRIPTION: BY:

0	12/14/21	100% CD	RC

PLANS PREPARED BY:



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CONSULTANT:



7543 Woodley Ave., #201, Van Nuys, CA 91406  
Office: (818) 840-0808 Fax: (818) 840-0708

DRAWN BY: CHK.: APV.:

RC	TMH	TMH
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LICENSURE:

SHEET TITLE:

DETAILS AND SPECIFICATIONS VI

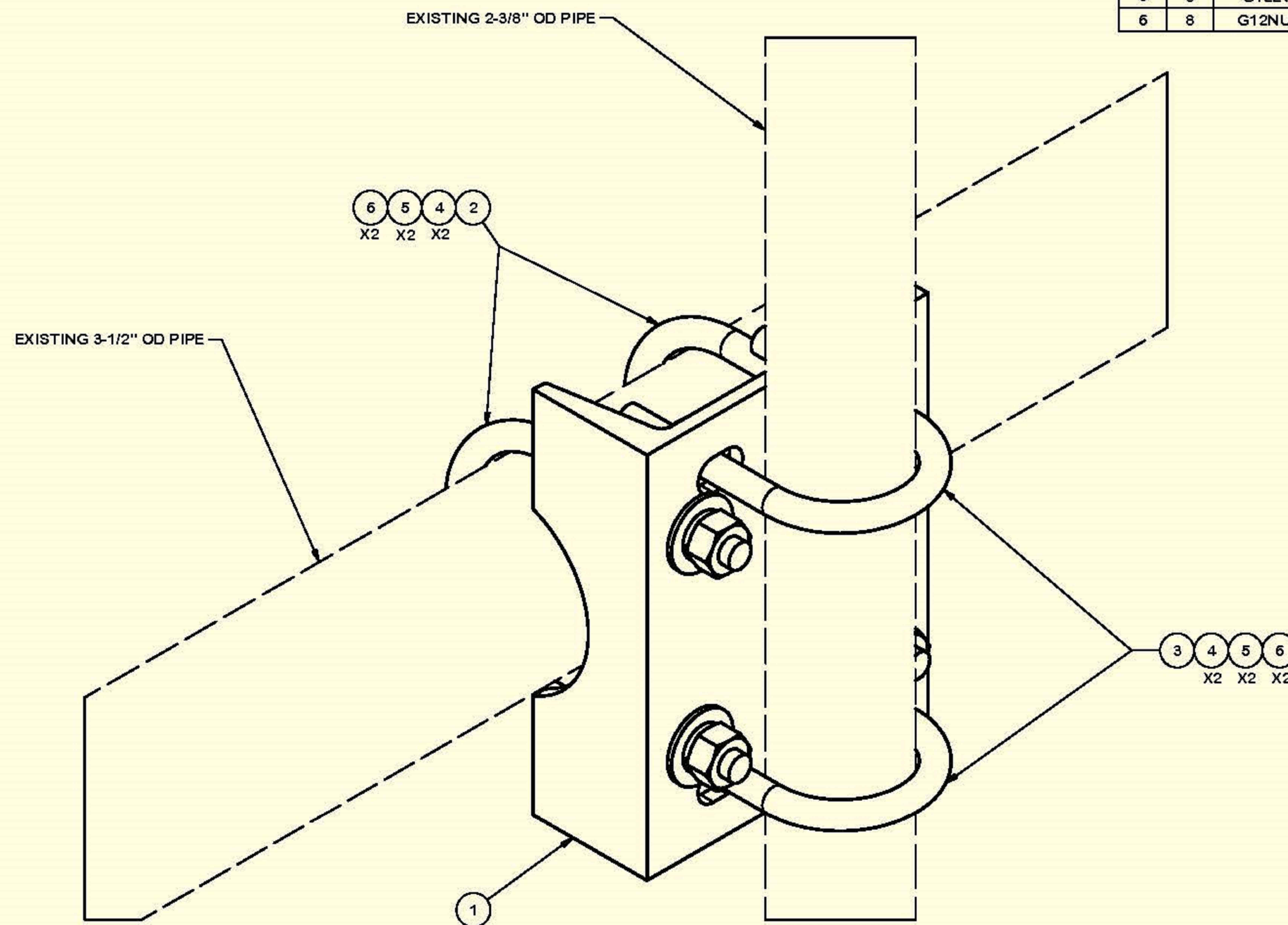
SHEET NUMBER: REVISION:

D-6

0

SLO4115C

PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	1	X-SP219	SMALL SUPPORT CROSS PLATE	8 1/4 in	8.61	8.61
2	2	X-UB1306	1/2" X 3-5/8" X 6" X 3" U-BOLT (HDG.)		0.83	1.66
3	2	X-UB1212	1/2" X 2-1/2" X 4-1/2" X 2" U-BOLT (HDG.)		0.63	1.25
4	8	G12FW	1/2" HDG USS FLATWASHER		0.03	0.27
5	8	G12LW	1/2" HDG LOCKWASHER		0.01	0.11
6	8	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	0.57
					TOTAL WT. #	12.47



TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:  
SAWED, SHEARED AND GAS CUT EDGES ( $\pm 0.030$ )  
DRILLED AND GAS CUT HOLES ( $\pm 0.030$ ) - NO CONING OF HOLES  
LASER CUT EDGES AND HOLES ( $\pm 0.010$ ) - NO CONING OF HOLES  
BENDS ARE  $\pm 1/2$  DEGREE  
ALL OTHER MACHINING ( $\pm 0.030$ )  
ALL OTHER ASSEMBLY ( $\pm 0.060$ )

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DESCRIPTION		
PIPE MOUNT KIT		

**SITE PRO**  
A valmont company

Locations:  
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Salem, OR  
Dallas, TX

Engineering Support Team:  
1-888-753-7446

CPD NO. 4518	DRAWN BY KC8 6/26/2012	ENG. APPROVAL	PART NO. SP219	PAGE 1 OF 1
CLASS SUB 81 01	DRAWING USAGE CUSTOMER	CHECKED BY CEK 1/23/2013	DWG. NO. SP219	

PROJECT INFORMATION:

(L600)  
**SL04115C**  
**SNOW\_BASIN\_SKIRUNS**  
SE 1/4 SEC.5, T.5N.,R.1E., SLM  
HUNTSVILLE, UTAH 84317  
WEBER COUNTY

CURRENT ISSUE DATE:

12/14/21

ISSUED FOR:

**CONSTRUCTION**

REV.: DATE: DESCRIPTION: BY:

REV.	DATE	DESCRIPTION	BY
0	12/14/21	100% CD	RC

PLANS PREPARED BY:



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CONSULTANT:



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DRAWN BY: CHK.: APV.:

RC	TMH	TMH
----	-----	-----

LICENSURE:

SHEET TITLE:

**GROUNDING NOTES AND DETAILS**

SHEET NUMBER: REVISION:

**G-1** 0

SL04115C

NOTES:

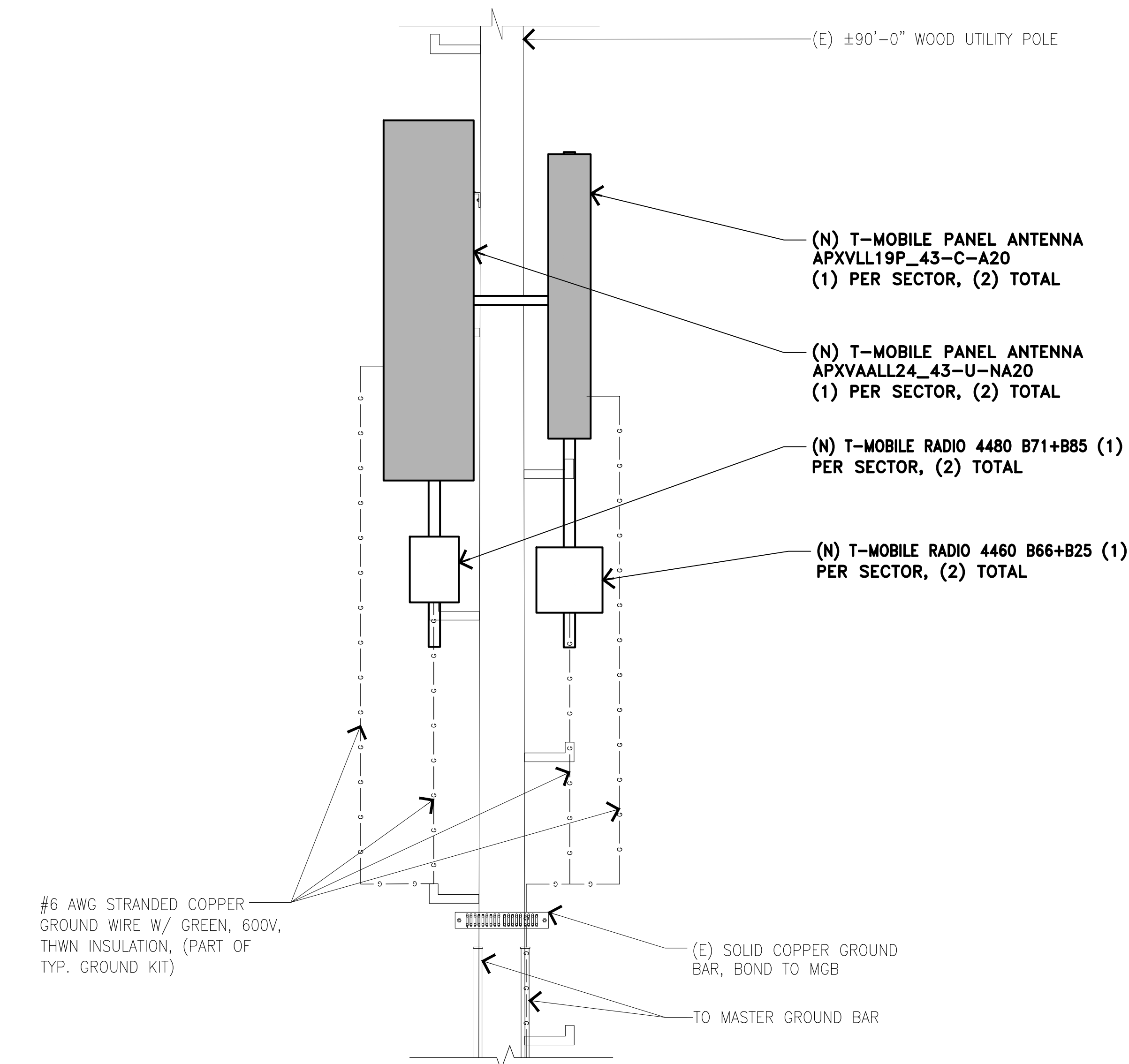
- ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION, AND AC POWER GES'S) SHALL BE BONDED TOGETHER, AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
- METAL RACEWAY SHALL NOT BE USED AS THE CEC REQUIRED EQUIPMENT GROUND CONDUCTOR STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
- EACH BTS CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, 6 AWG STRANDED COPPER OR LARGER FOR INDOOR BTS; 2 AWG STRANDED COPPER FOR OUTDOOR BTS.
- EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE
- APPROVED ANTIOXIDANT COATINGS (CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS
- ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED WITH STAINLESS STEEL HARDWARE TO THE BRIDGE AND THE TOWER GROUND BAR.
- ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS
- MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE W/ THE NEC
- METAL CONDUIT AND TRAY SHALL BE GROUNDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH 6 AWG COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS

SYMBOLS:

- GROUND TEST WELL
- GROUND ROD
- COMPRESSION / MECHANICAL TYPE CONNECTION
- CADWELD TYPE CONNECTION
- GROUND WIRE
- GROUND BAR

NOTES:

- DO NOT INSTALL CABLE GROUND KIT AT A BEND
- ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR
- TYPICAL FACTORY MADE JUMPERS ONLY



NOT USED

SCALE: N.T.S. 6

NOT USED

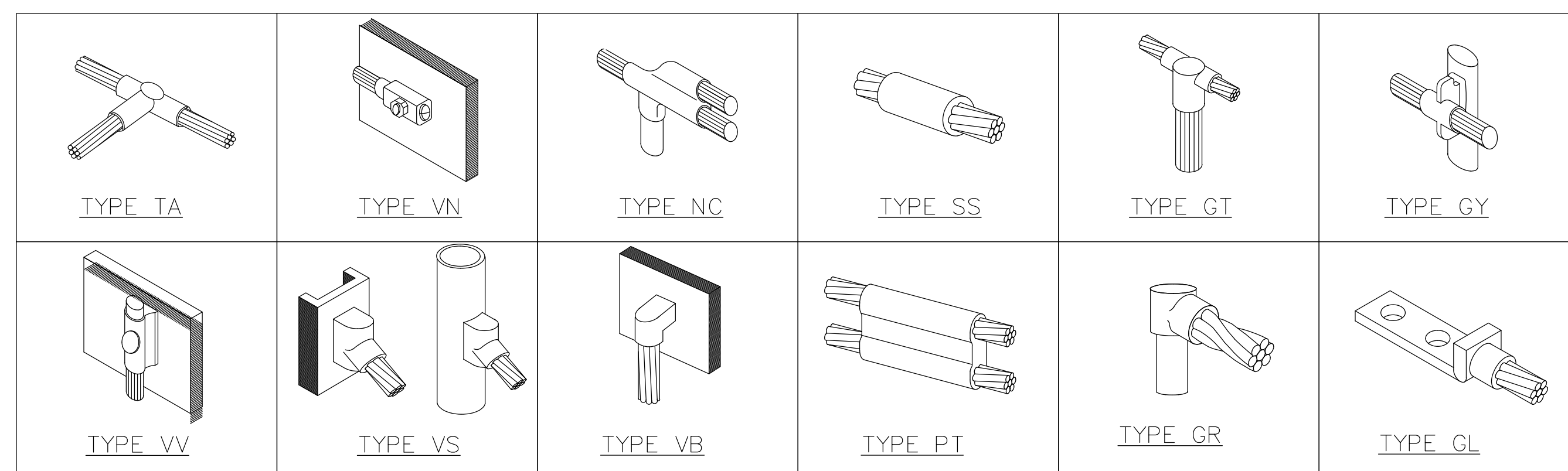
SCALE: N.T.S. 7

NOTES AND SYMBOLS

SCALE: N.T.S. 4

TYPICAL ANTENNA GROUNDING

SCALE: N.T.S. 1



TYPICAL CADWELD CONNECTIONS

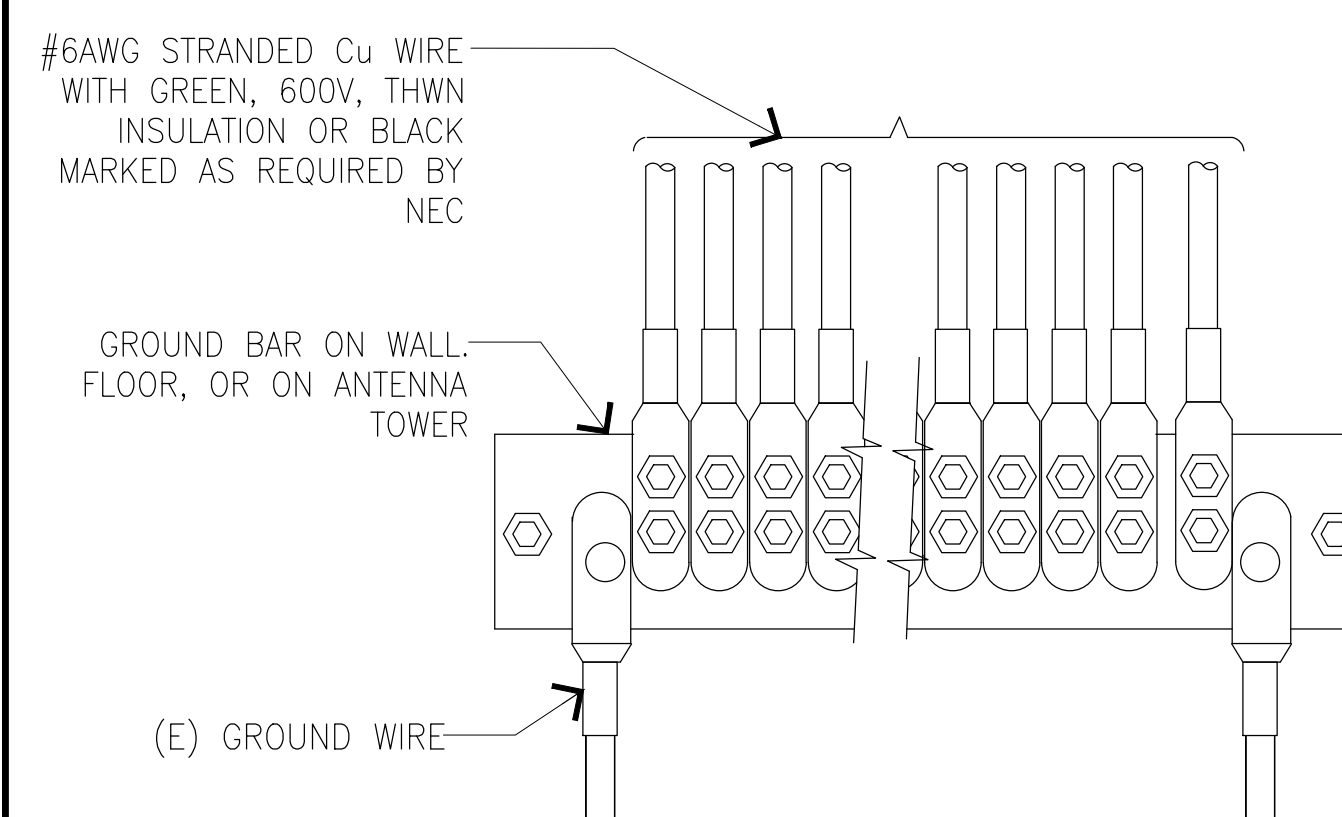
SCALE: N.T.S. 5

GROUND CONDUCTOR TO GROUND BAR

SCALE: N.T.S. 3

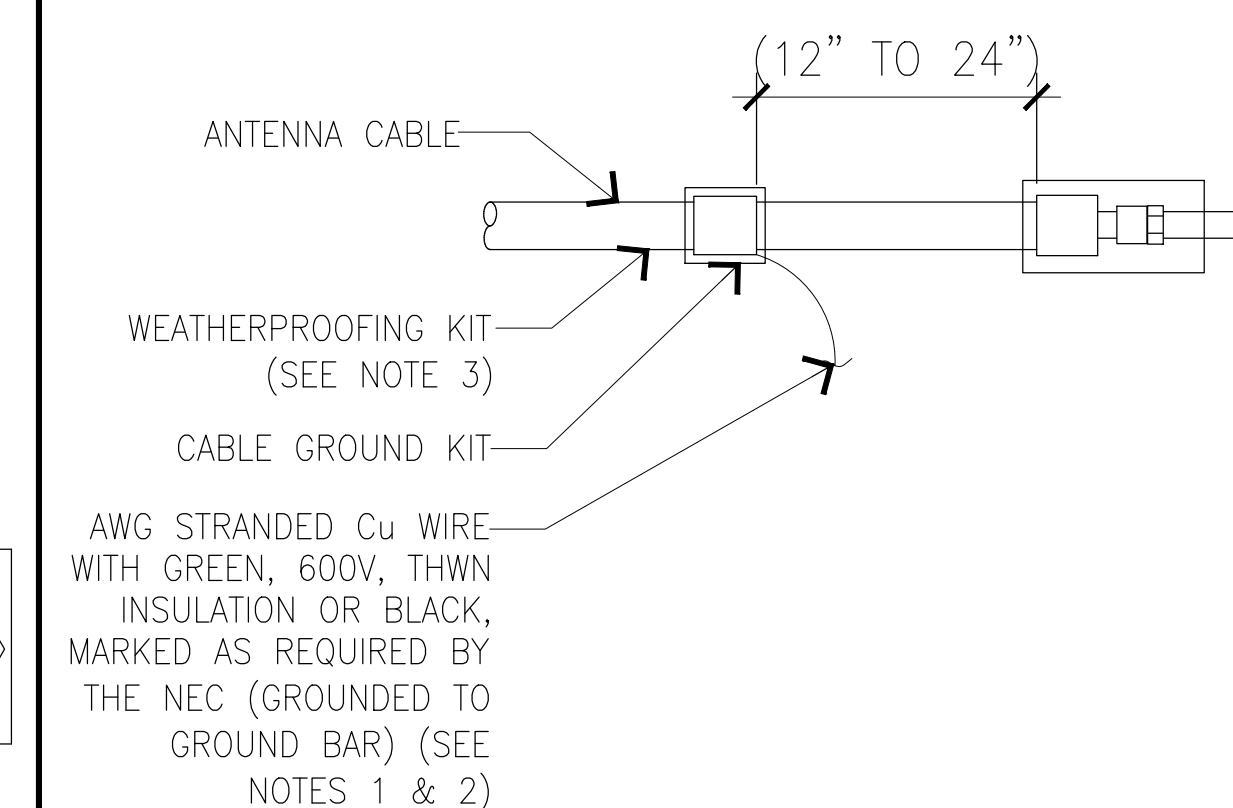
GROUNDING KIT

SCALE: N.T.S. 2



NOTES:

- APPLY NO-OX TO LUG AND BAR CONTACT SURFACE. DO NOT COAT INLINE LUG
- IF STOLEN GROUND BARS ARE ENCOUNTERED, CONTACT T-MOBILE CM



NOTES:

- DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
- GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
- WEATHERPROOFING SHALL BE (TYPE AND PART NUMBER) AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER AND APPROVED BY CONTRACTOR