



AMERICAN FORK CITY DEVELOPMENT REVIEW COMMITTEE AGENDA

Regular Session
November 25, 2024
Monday 10:00 AM

American Fork City Public Works Building

275 East 200 North

American Fork City, UT 84003

<https://www.americanfork.gov/AgendaCenter>

Development Review Committee Members

Patrick O'Brien, Dev. Services Director

Aaron Brems, Fire Chief

Sam Kelly, Public Works Director

Notice is hereby given that the American Fork City Development Review Committee will meet in regular session on November 25, 2024, at the American Fork City Public Works building, 275 East 200 North commencing at 10:00 AM. The agenda shall be as follows:

1. Regular Session

- a. Roll Call

2. Common Consent Agenda (Common Consent is that class of DRC action that requires no further discussion or which is routine in nature. All items on the Common Consent Agenda are adopted by a single motion unless removed from the Common Consent Agenda).

- a. Approval of the November 11, 2024, Development Review Committee minutes.

3. Action Items (Action Items is that class of DRC action that requires further discussion on Preliminary Plans, Final Plats, and Site Plans. The Development Review Committee Board will have authority to approve Preliminary Plans and Final Plats but make a recommending action on Site Plans.)

- a. Review and recommendation on an application for a Commercial Site Plan, known as AT&T Upgrade, located at approximately 1584 S 500 E, American Fork City, UT 84003. The Commercial Site Plan will be on approximately 3.32 acres and will be in the I-1 Industrial zone.

4. Other Business

- a. Upcoming Projects

5. Adjournment

Dated this 21st day of November 2024

Patrick O'Brien

Development Services Director

**The order of agenda items may change at the discretion of the Development Review Committee*

UNAPPROVED MINUTES

11.18.2024

AMERICAN FORK CITY DEVELOPMENT REVIEW COMMITTEE REGULAR SESSION NOVEMBER 18th, 2024

The American Fork City Development Review Committee met in a regular session on November 11th, 2024, at the American Fork Public Works Building, 275 East 200 North, commencing at 10:00 a.m.

Development Review Committee:

Development Services Director: Patrick O'Brien

Public Works Director: Sam Kelly

Fire Chief: Aaron Brems

Staff Present:

Ben Hunter	City Engineer
Travis Van Ekelburg	Senior Planner
Cody Opperman	Planner II
Angie McKee	Administrative Assistant I
Mat Sacco	Fire Marshall

Others Present: David Peterson

REGULAR SESSION

Roll Call

COMMON CONSENT AGENDA

Minutes of the November 11th, 2024, Development Review Committee Regular Session.

Sam Kelly motioned to approve the Common Consent agenda

UNAPPROVED MINUTES

11.18.2024

Patrick O'Brien seconded the motion.

Voting was as follows:

Patrick O'Brien	AYE
Sam Kelly	AYE
Aaron Brems	AYE

The motion passed

ACTION ITEMS

- a. Review and action on an application for a Preliminary Plat, known as Autumn Crest Phase 2 Plat A, located at approximately 1100 N 1100 E, American Fork City. The Preliminary Plat will be for approximately 6.13 acres and will be in the R1-9000 Residential Zone.**

Travis Van Ekelenburg reviewed the background information for action item letter a: The applicant is applying for a Preliminary Plan approval for Autumn Crest Phase 2 Plat A, located in the area of 1100 North 1100 East, in the R1-9000 Residential Zone. The proposal consists of 20 lots for a planned subdivision. All development parcels consist of 6.27 acres. Staff is confident that the 2 conditions of approval will be met.

Patrick O'Brien moved that we recommend approval on a Preliminary Plan for Autumn Crest Phase 2 Plat A, located in the area of 1100 North 1100 East, American Fork, UT 84003, in the R1-9000 Residential Zone, subject to any conditions found in the Staff Report, or recommended by the Fire Marshal.

Sam Kelly seconded the motion.

UNAPPROVED MINUTES

11.18.2024

Voting was as follows:

Patrick O'Brien	AYE
Sam Kelly	AYE
Aaron Brems	AYE

The motion passed

- b. Review and action on an application for a Final Plat, known as Autumn Crest Phase 2 Plat A, located at approximately 1100 North 1100 East, American Fork City, UT 84003. The Final Plat will be on approximately 6.13 acres and will be in the R1-9000 Zone.**

Travis Van Ekelenburg reviewed the background information for action item letter b: The applicant is applying for a Final Plat approval for Autumn Crest Phase 2 Plat A, located in the area of 1100 North 1100 East, in the R1-9000 Residential Zone. The proposal consists of 20 lots for a planned subdivision. All development parcels consist of 6.27 acres.

Sam Kelly moved that we approve on a Preliminary Plan for Autumn Crest Phase 2 Plat A, located in the area of 1100 North 1100 East, American Fork City, UT 84003, in the R1-9000 Residential Zone, subject to any conditions found in the Staff Report, or recommended by the Fire Marshal.

Chief Brems seconded the motion.

Voting was as follows:

Patrick O'Brien	AYE
Sam Kelly	AYE
Aaron Brems	AYE

The motion passed

UNAPPROVED MINUTES

11.18.2024

Other Business

Travis Van Ekelenburg and Patrick O'Brien

Adjournment

Sam Kelly motioned to adjourn the meeting.

Patrick O'Brien seconded the motion.

Meeting adjourned at 10: 09AM

Angie McKee

Administrative Assistant I

The order of agenda items may change to accommodate the needs of the committee, public and staff.

Agenda Topic

Review and recommendation on an application for a Commercial Site Plan, known as AT&T Upgrade, located at approximately 1584 S 500 E, American Fork City, UT 84003. The Commercial Site Plan will be on approximately 3.32 acres and will be in the I-1 Industrial zone.

BACKGROUND INFORMATION		
Location:		1584 S 500 E
Project Type:		Commercial Site Plan
Applicants:		Scout Carruthers
Existing Land Use:		Design Industrial
Surrounding Land Use:	North	Design Industrial
	South	Design Industria
	East	Design Industrial
	West	Design Industrial
Existing Zoning:		I-1
Surrounding Zoning:	North	PI-1
	South	I-1
	East	I-1
	West	PI-1
Square Footage (By Use)		Approximately 1000
Total Number of Units		N/A
Parking Requirement		N/A

Background

The applicant has applied for a Commercial Site Plan for an existing wireless facility upgrade for AT& T wireless. The upgrade is a standard equipment upgrade that will not increase the height of the tower and will not expand on the existing footprint.

Sec 17.7.201 Developer Confers With Development Review Committee

The developer(s) shall meet with the Development Review Committee to discuss the basic concept of the proposed large scale development and to obtain information pertaining to the general plan and zoning classification of the area proposed for subdivision, city requirements and standards for design and construction of streets, utilities and other requirements affecting the land proposed to be subdivided. The purpose of the conference(s) is to provide informal assistance to the developer(s) in the preparation of the plans early in the process. The Development Review Committee may suggest changes in the proposed layout so the project may be more fully consistent with the city's general plan and also with the city's development regulations and policies. The recommendations from the Development Review Committee prior to the submission of a formal application shall be purely advisory and in no way shall the conference be construed to constitute approval of the plan.

Sec 17.7.202 Developer Prepares Preliminary Plats And Supporting Materials And Submits To Staff

- A. After the pre-submittal conference the developer shall prepare and submit to the Development Services Department a preliminary plat submittal packet containing the following:
- B. An application for approval of the large scale development project, together with copies of plats and materials showing the layout of the proposed project, including the location, size and dimensions of all lots; the placement and cross-section of all proposed streets; the location of all public utility easements; the intended treatment of drainage; and the intended treatment of any other essential features of the proposed project
- C. A geotechnical report for the project area
- D. Evidence of payment of the required review fee.
- E. Evidence of water right proposed to be conveyed to the city.
- F. Evidence of review of the proposed project by required public utility agencies.
- G. Other materials deemed by city staff to be essential for an adequate understanding of the proposed project. The scale of the plans, content of the materials, number of copies, time of submittal and other particulars regarding the materials provided in support of an application for approval shall be as established, from time to time, by action of the planning commission.

Sec 17.7.203 DRC Reviews Preliminary Plats, Documents, And Statements

Upon receipt of the preliminary plat submittal packet from the developer the Development Services Director or assignee shall review the plans, documents, and materials for completeness and for conformance with city requirements, standards and general plan, and submit said plans, documents, and statements or portions thereof to the Development Review Committee for their review and recommendation.

Sec 17.7.204 Development Review Committee Reports Results Of Review Of Preliminary Plats, Documents, And Statements To Developer

- A. The Development Review Committee shall conduct a Development Review Conference to review and discuss the materials submitted by the developer.
- B. Upon completion of review, the Development Review Committee shall provide the results of the review and comments to the Development Services Director or assignee. The results and comments shall be compiled and provided to the developer.
- C. The Development Review Committee may suggest changes in order for the preliminary plat materials to be more consistent with the objectives of the general plan and development regulations and policies.

Sec 17.7.206 Development Review Committee Takes Final Action On Preliminary Plat And Supporting Materials

- A. After considering the recommendation of all DRC members, the DRC may table the matter, approve, or grant approval, including granting approval upon conditions stated.
- B. Approval by of the Preliminary Plat shall not constitute final approval of the project, but shall be deemed as approval to proceed with preparation of a final plat, detailed engineering and supporting materials.

Sec 17.7.207 Developer Prepares And Submits Final Plats, Detailed Engineering Plans And Supporting Material And Submits To Staff

- A. After receiving authorization to proceed, the developer shall prepare and submit to the Development Services Director a final plat submittal packet containing the following:
- B. Application for final plan/plat approval.
- C. A reproducible drawing of the proposed final plat prepared in a format approved for recording at the office of the Utah County Recorder.
- D. Copies of the detailed engineering documents and other supporting materials.
- E. An itemized engineers estimate of the cost of constructing the required improvements.
- F. Copy of project documentation.
- G. Evidence of payment of review and recording fee.
- H. Documents conveying water rights to city.
- I. Evidence that any boundary conflicts with adjacent properties are fully resolved.
- J. Other materials deemed by city staff to be essential for an adequate understanding of the proposed project.

The scale of the final plan/plat, content of the materials, number of copies, time of submittal and

other particulars regarding the materials provided in support of an application for final plan/plat approval shall be as established, from time to time, by action the Development Services Director.

Sec 17.7.208 DRC Reviews Final Plans/Plats, Detailed Engineering And Supporting Materials

Upon receipt of the submission from the developer the Development Services Director or assignee shall review the plans/plats and supporting materials for accuracy and completeness. Upon determination of a complete application, the plans, documents and statements, or portions thereof, shall then be provided to the Development Review Committee and applicable public agencies for review of compliance with Federal, State and local laws and regulations, city requirements and standards, and the general plan.

Sec 17.7.209 Development Review Conference - DRC Reports - Results Of Review Of Final Plans/plat, Detailed Engineering Plans And Supporting Materials To Developer

- A. The Development Review Committee shall conduct a Development Review Conference to review and discuss the materials submitted by the developer.
- B. Upon completion of review, the Development Review Committee shall provide the results of the review and comments to the Development Services Director or assignee. The results and comments shall be compiled and provided to the developer.
- C. The Development Review Committee may suggest changes to the submittal materials so that the final plat will conform with the development regulations and policies of the city and the terms of preliminary plat approval.

Sec 17.7.211 Development Review Committee Acts On Final Plan(s)/Plat(s) And Supporting Materials

- A. When the final plan(s)/plat(s) and supporting materials required for approval have been completed in final form, the Development Review Committee shall act on the final plat(s) and supporting materials. After considering the recommendation of all DRC members, the DRC may table the matter, approve, or grant approval, including granting approval upon conditions stated. Approval of the final plat(s) shall be made only upon a finding that:
 - 1. The final plan(s)/plat(s) and supporting materials conform with terms of the preliminary approval.
 - 2. The final plan(s)/plat(s) complies with all city requirements and standards relating to large scale developments.
 - 3. The detailed engineering plans and materials comply with the city standards and policies.
 - 4. The estimates of cost of constructing the required improvements are commensurate to market costs, as verified by the City Engineer.

5. The water rights conveyance documents have been provided.
- B. If approved, the City Administrator, Community Development Services Director, and City Engineer shall sign the Final Plat(s) upon completion of all conditions. If any conditions are attached, the Final Plat(s) or construction drawings shall be amended to reflect such changes and an accurate Final Plat(s) shall be submitted to the City, prior to signing.

Sec 17.6.112 Low Power Radio Service Antenna Facilities (Cellular Phone Transmission Towers And Facilities)

- A. Intent. It is the intent of this section to establish an approval procedure and placement standards and criteria too more adequately address the various planning issues relating to the placement of low power radio service antenna facilities within the city—including issues of demand, visual mitigation, noise, engineering, residential impacts, health, safety and facility sites—while ensuring that such procedure, standards, and/or criteria do not unreasonably discriminate among competing wireless telecommunications service providers.
- B. Procedure for approval. The applicable procedure to be followed in securing approval of a low power radio service antenna facility shall be as follows:
- When proposed for placement within the I-1 Industrial, CC-1 Central Commercial or GC-1 General Commercial zones, approval shall be sought and obtained from the planning commission in accordance with the provisions of Section 17.6.101.
 - When proposed for placement in any other zone, approval shall be sought and obtained from the city council following receipt of a recommendation from the planning commission.
 - The appropriate governmental body under subsections B.1. and B.2. above (i.e., the approval authority) shall act on a request for such approval within a reasonable period of time.

Project Conditions of Approval

1. N/A

Findings of Fact

- The Commercial Site Plan meets requirements of code section 17.7.200 and 17.6.112

Project Map



Standards Conditions of Approval

APPLICANT is responsible and shall submit/post/obtain all necessary documentation and evidence to comply with these Standard Conditions of Approval prior to any platting, permitting, or any other form of authorization by the City including plat recording or other property conveyance to the City and prior to scheduling a pre-construction meeting. All recording shall take place at the Utah County Recorder's Office.

1. **Title Report:** Submit an updated Title Report not older than 30 days or other type of appropriate verification that shows all dedications to the City are free and clear of encumbrances, taxes, or other assessments.
2. **Property Taxes and Liens:** Submit evidence that all the property taxes, for the current and/or previous years, liens, and agricultural land use roll over fees have been paid in full.
3. **Water Rights:** Submit evidence that all the required water rights have been conveyed to American Fork City.

4. **Performance Guarantee:** Post a performance guarantee for all required public and essential common improvements.
5. **Easements and Agreements:** Submit/record a long-term Storm Water Pollution Prevention Maintenance Agreement signed and dated by the property owner and any required easement documentation.
6. **Land Disturbance Permit:** Obtain a Land Disturbance Permit.
7. **Compliance with the Plan Review Comments:** All plans and documents shall comply with all the Technical Review Committee comments and the City Engineer's final review.
8. **Commercial Structure:** Record an Owner Acknowledgment and Utility Liability Indemnification if the proposed building is a multi-unit commercial structure served by a single utility service.
9. **Sensitive Lands:** Record all applicable documents required for compliance with the City's Sensitive Lands Ordinance.
10. **Utility Notification Form:** Submit a Subdivision Utility Notification Form.
11. **Professional Verification:** Submit final stamped construction documentation by all appropriate professionals.
12. **Fees:** Payment of all development, inspection, recording, streetlight, and other project related fees.
13. **Mylar:** Submit a Mylar. All plats will receive final verification of all formats, notes, conveyances, and other items contained on the plat by City staff (recorder, legal, engineer, GIS, planning).

Staff Recommendation

The Commercial Site Plan meets the requirements of Section 17.6.101. Staff recommends APPROVING the application.

Potential Motions – Commercial Site Plan

Approval

I move to recommend approval for the proposed Commercial Site Plan, located at approximately 1584 S 500 E, American Fork City, UT 84003, in the I-1, subject to any conditions found in the staff report.

Denial

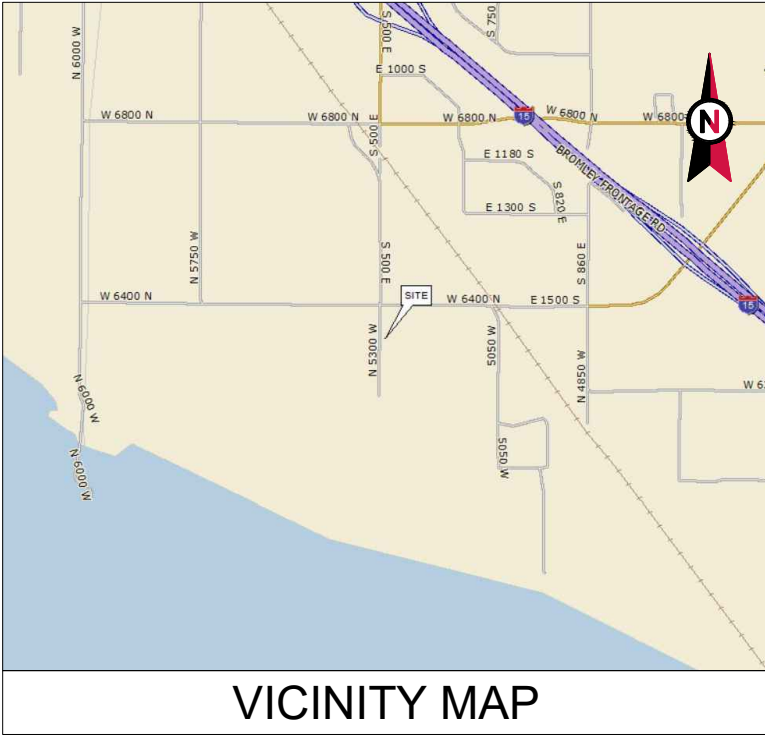
Development Review Committee Staff Report
Meeting Date: November 25, 2024



I move to deny the proposed Commercial Site Plan, located at approximately 1584 S 500 E, American Fork City, UT 84003, in the I-1.

Table

I move to table action for the proposed Commercial Site Plan, located at approximately 1584 S 500 E, American Fork City, UT 84003, in the I-1 zone and instruct staff/developer to...



VICINITY MAP

AT&T MOBILITY
ANTENNA AMENDMENT PLAN



AMERICAN TOWER®

ATC SITE NAME: PRO FARMER UT
ATC SITE NUMBER: 416704
AT&T MOBILITY IWM ID / PACE JOB NUMBER / PTN:
LTE: WSUTH0035171 / MRUTH062621 / 3752A1A9D3
LTE SOFTWARE CARRIER: WSUTH0035291 / MRUTH062860 / 3752A1A9G2
LTE SOFTWARE CARRIER: WSUTH0035283 / MRUTH062905 / 3752A1A9JL
5G NR RADIO: WSUTH0035163 / MRUTH062833 / 3752A1A9AD
LTE: WSUTH0034968 / MRUTH062925 / 3752A1A9JK
5G NR RADIO: WSUTH0034789 / MRUTH062825 / 3752A1A95V
5G NR RADIO: WSUTH0034501 / MRUTH061494 / 3752A1A9EP
LTE: WSUTH0034172 / MRUTH061337 / 3752A1A9D4
AT&T MOBILITY SITE ID: SIUT001351
AT&T MOBILITY FA CODE: 11553530
AT&T MOBILITY SITE NAME: PLEASANT GROVE & I-15 RELO
SITE ADDRESS: 1584 S 500 E
AMERICAN FORK, UT 84003-3314



LOCATION MAP

THIS PAGE CONTAINS CONFIDENTIAL,
PROPRIETARY OR TRADE SECRET
INFORMATION EXEMPT FROM
DISCLOSURE UNDER APPLICABLE LAW.

COMPLIANCE CODE	PROJECT SUMMARY	PROJECT DESCRIPTION	SHEET INDEX				
ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNMENT AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES. 1. 2021 INTERNATIONAL BUILDING CODE (IBC) 2. 2020 NATIONAL ELECTRIC CODE (NEC) 3. LOCAL BUILDING CODE 4. CITY/COUNTY ORDINANCES SEE NEXT PAGE FOR DRC SIGNATURE STAMPS	SITE ADDRESS: 1584 S 500 E AMERICAN FORK, UT 84003-3314 COUNTY: UTAH GEOGRAPHIC COORDINATES: LATITUDE: 40.34635 LONGITUDE: -111.78532 GROUND ELEVATION: 4,502' AMSL ZONING INFORMATION: JURISDICTION: CITY OF AMERICAN FORK PARCEL ID: 45:402:0011	THE PROPOSED PROJECT INCLUDES MODIFYING GROUND BASED AND TOWER MOUNTED EQUIPMENT AS INDICATED PER BELOW: TOWER WORK: REMOVE (6) ANTENNA(S), (18) RRH(s), AND (1) SQUID(S). INSTALL (3) RRH DUAL SWIVEL MOUNT(S), (6) PIPE TO PIPE CLAMP(S), (6) ANTENNA(S), (12) RRH(s), (1) SQUID(S), (1) 0.39" FIBER TRUNK(S), AND (1) 0.82" 6 AWG DC TRUNK(S). EXISTING (6) ANTENNA(S), (2) SQUID(S), (6) 7/8" COAX CABLE(S), (6) 0.96" 8 AWG 6 DC TRUNK(S), (2) 0.39" FIBER TRUNK(S), AND (1) 3/8" RET CONTROL CABLE(S) TO REMAIN. GROUND WORK: REMOVE (1) +24VDC INDOOR POWER PLANT(S), (6) RECTIFIER(S), (2) STAND-ALONE CONVERTER SYSTEM(S), (6) +24/-48VDC CONVERTER MODULE(S), (4) 150a CONVERTER(S), (2) +24VDC BATTERY RACK(S), (36) GNB MARATHON M12V155FT BATTER(IES), (1) 20A FSM4-1DC BREAKER(S), (2) 20A SIAD DC BREAKER(S), (3) 20A 1900 DC BREAKER(S), (3) 15A 700 DC BREAKER(S). INSTALL (1) NETSURE 7100 -48VDC/-58VDC POWER PLANT(S), (1) -48VDC VETRIV BATTERY RACK(S), (1) DC12(s), (11) EA. HE 2KW -48VDC RECTIFIER(S), (8) EA. HE 1.6KW -48VDC/-58VDC CONVERTER(S), (1) VERTIV CONVERTER SHELF(S), (20) ENERSYS POWERSAFE SBS-190F BATTER(IES), (1) GENERIC DRM BBU(S), (2) 250A DC BREAKER(S), (7) 25A DC BREAKER(S), (2) 15A DC BREAKER(S), (6) DC UP-CONVERTERS FOR 4490 B5/B12A(S), (6) DC UP-CONVERTERS FOR 4890 B25/B66(S), (3) DC UP-CONVERTERS FOR AIR6419 B77D(S), AND (3) DC UP-CONVERTERS FOR AIR6419 B77G(S).	SHEET NO:	DESCRIPTION:	REV:	DATE:	BY:
	G-001	TITLE SHEET	0	09/06/24	SSP		
	G-002	GENERAL NOTES	0	09/06/24	SSP		
	C-001	OVERALL SITE PLAN	0	09/06/24	SSP		
C-101	DETAILED SITE PLAN	0	09/06/24	SSP			
C-102	DETAILED EQUIPMENT LAYOUT	0	09/06/24	SSP			
C-201	TOWER ELEVATION	0	09/06/24	SSP			
C-401	ANTENNA INSTALLATION	0	09/06/24	SSP			
C-402	ANTENNA SCHEDULE	0	09/06/24	SSP			
C-501	CONSTRUCTION DETAILS	0	09/06/24	SSP			
E-101	ELECTRICAL DETAILS	0	09/06/24	SSP			
E-102	ELECTRICAL DETAILS	0	09/06/24	SSP			
E-103	ELECTRICAL DETAILS	0	09/06/24	SSP			
E-501	GROUNDING DETAILS	0	09/06/24	SSP			
R-601	SUPPLEMENTAL						
R-602	SUPPLEMENTAL						
R-603	SUPPLEMENTAL						
R-604	SUPPLEMENTAL						
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R-610	SUPPLEMENTAL						

UTILITY COMPANIES	PROJECT TEAM	PROJECT NOTES
POWER COMPANY: PACIFICORP PHONE: (866) 726-8237 TELEPHONE COMPANY: CENTURYLINK PHONE: (800) 244-1111	TOWER OWNER: AMERICAN TOWER 10 PRESIDENTIAL WAY WOBURN, MA 01801 ENGINEER: TEP 326 TRYON RD RALEIGH, NC 27603 APPLICANT: AT&T MOBILITY PROPERTY OWNER: DECORATIVE ENTERPRISES INC 1584 S 580 E AMERICAN FORK, UT 84003-5628	1. THE FACILITY IS UNMANNED. 2. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE. 3. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE. 4. NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED. 5. HANDICAP ACCESS IS NOT REQUIRED. 6. THE PROJECT DEPICTED IN THESE PLANS QUALIFIES AS AN ELIGIBLE FACILITIES REQUEST ENTITLED TO EXPEDITED REVIEW UNDER 47 U.S.C. § 1455(A) AS A MODIFICATION OF AN EXISTING WIRELESS TOWER THAT INVOLVES THE COLLOCATION, REMOVAL, AND/OR REPLACEMENT OF TRANSMISSION EQUIPMENT THAT IS NOT A SUBSTANTIAL CHANGE UNDER CFR § 1.61000 (B)(7).

PROJECT LOCATION DIRECTIONS
TAKE I-15 SOUTH TO PLEASANT GROVE EXIT #275. EXIT TO THE WEST (RIGHT) AND MERGE TO THE FULL LEFT HAND LANE AND GO STRAIGHT 0.9 MILES TO 500 EAST. TURN LEFT ON 500 EAST AND GO LESS THAN 0.1 MILES TO THE TOWER ON THE LEFT HAND SIDE OF THE ROAD. THE 2 GRAY DOORS TO THE SITE CAN BE ACCESSED FROM 500 EAST. TOWER ACCESS FROM BUSINESS GATE OPPOSITE SIDE OF THE BLOCK AS TOWER.

811

Know what's below.
Call before you dig.



PLANS PREPARED BY:



326 TRYON ROAD
RALEIGH, NC 27603-3530
OFFICE: (919) 661-6351
www.tepgroup.net

REV.	DESCRIPTION	BY	DATE
A	PRELIMINARY	APM	08/14/24
B	100% CONSTRUCTION	SSP	09/06/24

ATC SITE NUMBER: 416704
ATC SITE NAME: PRO FARMER UT
AT&T MOBILITY SITE NUMBER:
SIUT001351
AT&T MOBILITY SITE NAME:
PLEASANT GROVE & I-15 RELO
SITE ADDRESS:
1584 S 500 E
AMERICAN FORK, UT 84003-3314



DATE DRAWN:	09/06/24
ATC JOB NO:	14842351
CUSTOMER NAME:	PLEASANT GROVE & I-15 RELO
CUSTOMER ID:	SIUT001351

TITLE SHEET

SHEET NUMBER: G-001	REVISION: 0
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GENERAL CONSTRUCTION NOTES:

- OWNER FURNISHED MATERIALS, AT&T MOBILITY "THE COMPANY" WILL PROVIDE AND THE CONTRACTOR WILL INSTALL.
- A. BTS EQUIPMENT FRAME (PLATFORM) AND ICEBRIDGE SHELTER (GROUND BUILD/CO-LOCATE ONLY)
- B. AC/TELCO INTERFACE BOX (PPC)
- C. ICE BRIDGE (CABLE TRAY WITH COVER) (GROUND BUILD/CO-LOCATE ONLY, GC TO FURNISH AND INSTALL FOR ROOFTOP INSTALLATION)
- D. TOWERS, MONOPOLES
- E. TOWER LIGHTING
- F. GENERATORS & LIQUID PROPANE TANK
- G. ANTENNA STANDARD BRACKETS, FRAMES AND PIPES FOR MOUNTING
- H. ANTENNAS (INSTALLED BY OTHERS)
- I. TRANSMISSION LINE
- J. TRANSMISSION LINE JUMPERS
- K. TRANSMISSION LINE CONNECTORS WITH WEATHERPROOFING KITS
- L. TRANSMISSION LINE GROUND KITS
- M. HANGERS
- N. HOISTING GRIPS
- O. BTS EQUIPMENT
2. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL OTHER MATERIALS FOR THE COMPLETE INSTALLATION OF THE SITE INCLUDING, BUT NOT LIMITED TO, SUCH MATERIALS AS FENCING, STRUCTURAL STEEL SUPPORTING SUB-FRAME FOR PLATFORM, ROOFING LABOR AND MATERIALS, GROUNDING RINGS, GROUNDING WIRES, COPPER-CLAD OR XIT CHEMICAL GROUND ROD(S), BUSS BARS, TRANSFORMERS AND DISCONNECT SWITCHES WHERE APPLICABLE, TEMPORARY ELECTRICAL POWER, CONDUIT, LANDSCAPING COMPOUND STONE, CRANES, CORE DRILLING, SLEEPERS AND RUBBER MATTING, REBAR, CONCRETE CAISSONS, PADS AND/OR AUGER MOUNTS, MISCELLANEOUS FASTENERS, CABLE TRAYS, NON-STANDARD ANTENNA FRAMES AND ALL OTHER MATERIAL AND LABOR REQUIRED TO COMPLETE THE JOB ACCORDING TO THE DRAWINGS AND SPECIFICATIONS, IT IS THE POSITION OF AT&T MOBILITY TO APPLY FOR PERMITTING AND CONTRACTOR RESPONSIBLE FOR PICKUP AND PAYMENT OF REQUIRED PERMITS.
3. ALL WORK SHALL CONFORM TO ALL CURRENT APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING ANSI/EIA/TIA-222, AND COMPLY WITH ATC CONSTRUCTION SPECIFICATIONS.
4. CONTRACTOR SHALL CONTACT LOCAL 811 FOR IDENTIFICATION OF UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED INSPECTIONS.
6. ALL DIMENSIONS TO, OF, AND ON EXISTING BUILDINGS, DRAINAGE STRUCTURES, AND SITE IMPROVEMENTS SHALL BE VERIFIED IN FIELD BY CONTRACTOR WITH ALL DISCREPANCIES REPORTED TO THE ENGINEER.
7. DO NOT CHANGE SIZE OR SPACING OF STRUCTURAL ELEMENTS.
8. DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
9. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
10. CONTRACTOR SHALL BRACE STRUCTURES UNTIL ALL STRUCTURAL ELEMENTS NEEDED FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: LATERAL BRACING ANCHOR BOLTS, ETC.
11. CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES, GROUNDS DRAINS, DRAIN PIPES, VENTS, ETC. BEFORE COMMENCING WORK.
12. INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE AT&T MOBILITY REP PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH REMEDIAL ACTION SHALL REQUIRE WRITTEN APPROVAL BY THE AT&T MOBILITY REP PRIOR TO PROCEEDING.
13. EACH CONTRACTOR SHALL COOPERATE WITH THE AT&T MOBILITY REP, AND COORDINATE HIS WORK WITH THE WORK OF OTHERS.
14. CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION OF THIS PROJECT TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE AT&T MOBILITY CONSTRUCTION MANAGER.
15. ALL CABLE/CONDUIT ENTRY/EXIT PORTS SHALL BE WEATHERPROOFED DURING INSTALLATION USING A SILICONE SEALANT.
16. WHERE EXISTING CONDITIONS DO NOT MATCH THOSE SHOWN IN THIS PLAN SET, CONTRACTOR SHALL NOTIFY THE AT&T MOBILITY REP AND ENGINEER OF RECORD IMMEDIATELY.
17. CONTRACTOR SHALL ENSURE ALL SUBCONTRACTORS ARE PROVIDED WITH A COMPLETE AND CURRENT SET OF DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
18. CONTRACTOR SHALL REMOVE ALL RUBBISH AND DEBRIS FROM THE SITE AT THE END OF EACH DAY.
19. CONTRACTOR SHALL COORDINATE WORK SCHEDULE WITH AMERICAN TOWER CORPORATION (ATC) AND TAKE PRECAUTIONS TO MINIMIZE IMPACT AND DISRUPTION OF OTHER OCCUPANTS OF THE FACILITY.
20. CONTRACTOR SHALL FURNISH AT&T MOBILITY AND AMERICAN TOWER CORPORATION (ATC) WITH A PDF MARKED UP AS-BUILT SET OF DRAWINGS UPON COMPLETION OF WORK.
21. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH AT&T MOBILITY REP TO DETERMINE WHAT, IF ANY, ITEMS WILL BE PROVIDED. ALL ITEMS NOT PROVIDED SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. CONTRACTOR WILL INSTALL ALL

ITEMS PROVIDED.

23. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH AT&T MOBILITY REP TO DETERMINE IF ANY PERMITS WILL BE OBTAINED BY CONTRACTOR. ALL REQUIRED PERMITS NOT OBTAINED BY AT&T MOBILITY MUST BE OBTAINED, AND PAID FOR, BY THE CONTRACTOR.
23. CONTRACTOR SHALL INSTALL ALL SITE SIGNAGE IN ACCORDANCE WITH AT&T MOBILITY SPECIFICATIONS AND REQUIREMENTS.
24. CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO AT&T MOBILITY FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
25. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND LOCATED ACCORDING TO AT&T MOBILITY SPECIFICATIONS, AND AS SHOWN IN THESE PLANS.
26. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
27. CONTRACTOR SHALL NOTIFY AT&T MOBILITY REP A MINIMUM OF 48 HOURS IN ADVANCE OF POURING CONCRETE OR BACKFILLING ANY UNDERGROUND UTILITIES, FOUNDATIONS OR SEALING ANY WALL, FLOOR OR ROOF PENETRATIONS FOR ENGINEERING REVIEW AND APPROVAL.
28. WHEN THE PROJECT SCOPE REQUIRES THE USE OF THE SAFETY CLIMB, THE GENERAL CONTRACTOR SHALL ENSURE THE SAFETY CLIMB IS FREE OF OBSTRUCTIONS, NOT RUBBING ON OR TRAPPED BY ANY INSTALLED CUSTOMER EQUIPMENT, IS VISUALLY TAUT, MEETS MANUFACTURER INSTALLATION SPECIFICATIONS, AND IS FIRMLY SECURED AT ALL CABLE GUIDE LOCATIONS UPON PROJECT COMPLETION.
29. COMPLETION OF PROJECT SHALL NOT OBSTRUCT, TRAP, LOOSEN, OR OTHERWISE CAUSE FAILURE TO MEET MANUFACTURER INSTALLATION REQUIREMENTS FOR THE SAFETY CLIMB.
30. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY INCLUDING COMPLIANCE WITH ALL APPLICABLE OSHA STANDARDS AND RECOMMENDATIONS AND SHALL PROVIDE ALL NECESSARY SAFETY DEVICES INCLUDING PPE AND PPM AND CONSTRUCTION DEVICES SUCH AS WELDING AND FIRE PREVENTION, TEMPORARY SHORING, SCAFFOLDING, TRENCH BOXES/SLOPING, BARRIERS, ETC.
31. THE CONTRACTOR SHALL PROTECT AT HIS OWN EXPENSE, ALL EXISTING FACILITIES AND SUCH OF HIS NEW WORK LIABLE TO INJURY DURING THE CONSTRUCTION PERIOD. ANY DAMAGE CAUSED BY NEGLIGENCE ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, OR BY THE ELEMENTS DUE TO NEGLIGENCE ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, EITHER TO THE EXISTING WORK, OR TO HIS WORK OR THE WORK OF ANY OTHER CONTRACTOR, SHALL BE REPAIRED AT HIS EXPENSE TO THE OWNER'S SATISFACTION.
32. ALL WORK SHALL BE INSTALLED IN A FIRST CLASS, NEAT AND WORKMANLIKE MANNER BY MECHANICS SKILLED IN THE TRADE INVOLVED. THE QUALITY OF WORKMANSHIP SHALL BE SUBJECT TO THE APPROVAL OF THE AT&T MOBILITY REP. ANY WORK FOUND BY THE AT&T MOBILITY REP TO BE OF INFERIOR QUALITY AND/OR WORKMANSHIP SHALL BE REPLACED AND/OR REWORKED AT CONTRACTOR EXPENSE UNTIL APPROVAL IS OBTAINED.
33. IN ORDER TO ESTABLISH STANDARDS OF QUALITY AND PERFORMANCE, ALL TYPES OF MATERIALS LISTED HEREINAFTER BY MANUFACTURER'S NAMES AND/OR MANUFACTURER'S CATALOG NUMBER SHALL BE PROVIDED BY THESE MANUFACTURERS AS SPECIFIED.
34. AT&T MOBILITY FURNISHED EQUIPMENT SHALL BE PICKED-UP AT THE AT&T MOBILITY WAREHOUSE, NO LATER THAN 48HR AFTER BEING NOTIFIED INSURED, STORED, UNCRATE, PROTECTED AND INSTALLED BY THE CONTRACTOR WITH ALL APPURTENANCES REQUIRED TO PLACE THE EQUIPMENT IN OPERATION, READY FOR USE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EQUIPMENT AFTER PICKING IT UP.
35. AT&T MOBILITY OR HIS ARCHITECT/ENGINEER RESERVES THE RIGHT TO REJECT ANY EQUIPMENT OR MATERIALS WHICH, IN HIS OWN OPINION ARE NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS, EITHER BEFORE OR AFTER INSTALLATION AND THE EQUIPMENT SHALL BE REPLACED WITH EQUIPMENT CONFORMING TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE CONTRACTOR AT NO COST TO AT&T MOBILITY OR THEIR ARCHITECT/ENGINEER.
- ## **SPECIAL CONSTRUCTION**
- ### **ANTENNA INSTALLATION NOTES:**
1. WORK INCLUDED:
- A. ANTENNA AND COAXIAL CABLES ARE FURNISHED BY AT&T MOBILITY UNDER A SEPARATE CONTRACT. THE CONTRACTOR SHALL ASSIST ANTENNA INSTALLATION CONTRACTOR IN TERMS OF COORDINATION AND SITE ACCESS. ERECTION SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF PERSONNEL.
- B. INSTALL ANTENNAS AS INDICATED ON DRAWINGS AND AT&T MOBILITY SPECIFICATIONS.
- C. INSTALL GALVANIZED STEEL ANTENNA MOUNTS AS INDICATED ON DRAWINGS.
- D. INSTALL FURNISHED GALVANIZED STEEL OR ALUMINUM WAVEGUIDE.
- E. CONTRACTOR SHALL PROVIDE FOUR (4) SETS OF SWEEP TESTS USING ANRITZU-PACKARD 8713B RF SCALAR NETWORK ANALYZER. SUBMIT FREQUENCY DOMAIN REFLECTOMETER(FDR) TESTS RESULTS TO THE PROJECT MANAGER. SWEEP TESTS SHALL BE AS PER ATTACHED RFS "MINIMUM FIELD TESTING RECOMMENDED FOR ANTENNA AND HELIAX COAXIAL CABLE SYSTEMS" DATED 10/5/93. TESTING SHALL BE PERFORMED BY AN INDEPENDENT TESTING SERVICE AND BE BOUND AND SUBMITTED WITHIN ONE WEEK OF WORK COMPLETION.
- F. INSTALL COAXIAL CABLES AND TERMINATING BETWEEN ANTENNAS AND EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. WEATHERPROOF ALL CONNECTIONS BETWEEN THE ANTENNA AND EQUIPMENT PER MANUFACTURER'S REQUIREMENTS. TERMINATE ALL COAXIAL CABLE THREE (3) FEET IN EXCESS OF ENTRY PORT LOCATION UNLESS OTHERWISE STATED.

G. ANTENNA AND COAXIAL CABLE GROUNDING:

2. ALL EXTERIOR #6 GREEN GROUND WIRE "DAISY CHAIN" CONNECTIONS ARE TO BE WEATHER SEALED WITH RFS CONNECTORS/SPICE WEATHERPROOFING KIT #221213 OR EQUAL.
3. ALL COAXIAL CABLE GROUNDING KITS ARE TO BE INSTALLED ON STRAIGHT RUNS OF COAXIAL CABLE (NOT WITHIN BENDS)

 American Fork City Development Review Committee 	
Water/PI Division Reviewed jbrems 11/18/2024	Planning and Zoning Reviewed tvanekelenburg 11/20/2024
Fire Department Reviewed M. Sacco 11/18/2024	
Public Infrastructure Reviewed dhoward 11/19/2024	Engineering Division Reviewed rburkhill 11/20/2024
Sewer/Storm Drain Division Reviewed ascott 11/20/2024	
Communications Reviewed MHunsaker 11/20/2024	Streets Division Reviewed ehdyde 11/20/2024

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Next Step:
**Proceed to Development Review
Committee
11/25/2024**

ALL DISCREPANCIES FROM WHAT IS SHOWN ON THESE CONSTRUCTION DRAWINGS SHALL BE COMMUNICATED TO ATC ENGINEERING IMMEDIATELY FOR CORRECTION OR RE-DESIGN. FAILURE TO COMMUNICATE DIRECTLY WITH ATC ENGINEERING OR ANY CHANGES FROM THE DESIGN CONDUCTED WITHOUT PRIOR APPROVAL FROM ATC ENGINEERING SHALL BE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.



PLANS PREPARED BY:



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RALEIGH, NC 27603-3530
OFFICE (919) 361-6351
- No comments jp.net

No comments

REV.	DESCRIPTION	BY	DATE
A	PRELIMINARY	APM	08/14/24
0	100% CONSTRUCTION	SSP	09/06/24

ATC SITE NUMBER: 416704
ATC SITE NAME: PRO FARMER UT
AT&T MOBILITY SITE NUMBER:
SIUT001351
AT&T MOBILITY SITE NAME:
PLEASANT GROVE & I-15 RELO
SITE ADDRESS:
1584 S 500 E
AMERICAN FORK, UT 84003-3314

SEAL:



DATE DRAWN:	09/06/24
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CUSTOMER NAME:	PLEASANT GROVE & I-15 RELO
CUSTOMER ID:	SIUT001351

GENERAL NOTES

SHEET NUMBER:

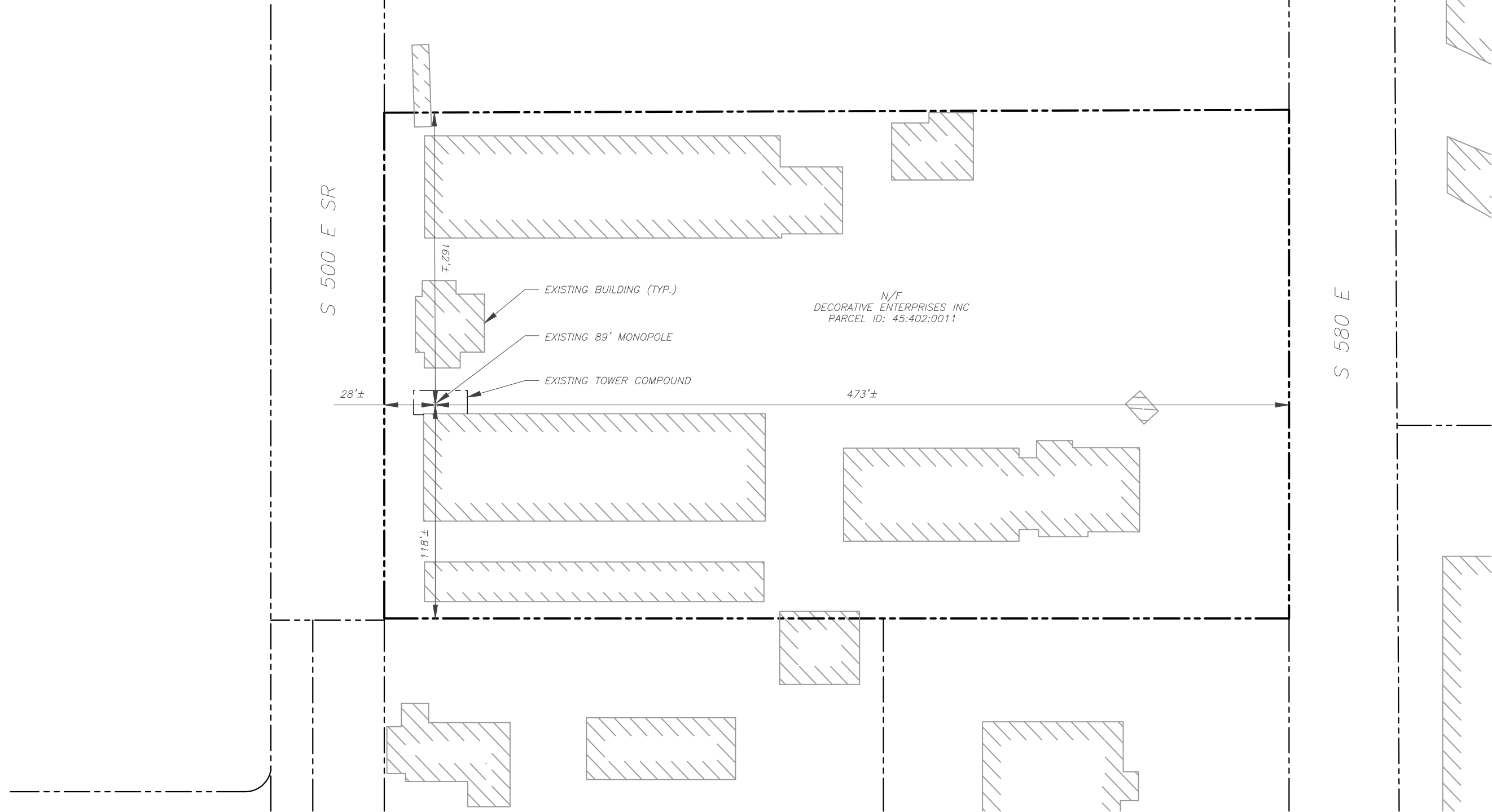
G-002

REVISION:

0

NOTES:

1. BOUNDARY LINES OBTAINED FROM UTAH COUNTY ONLINE GIS.
2. ZONING INFORMATION OBTAINED FROM UTAH COUNTY.
3. THE TOWER IS LOCATED IN ZONE "X," AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN ACCORDING TO FEMA COMMUNITY PANEL #49049C0306F, DATED JUNE 19, 2020.



LEGEND

--- EXISTING PROPERTY LINE

--- EXISTING ADJACENT PROPERTY LINE

--- EXISTING LEASE AREA

1 OVERALL SITE PLAN

SCALE: 1" = 60'

0 60' 120'

SCALE: 1"=60' (11X17)

1"=30' (22X34)



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SITE ADDRESS:

1584 S 500 E

AMERICAN FORK, UT 84003-3314

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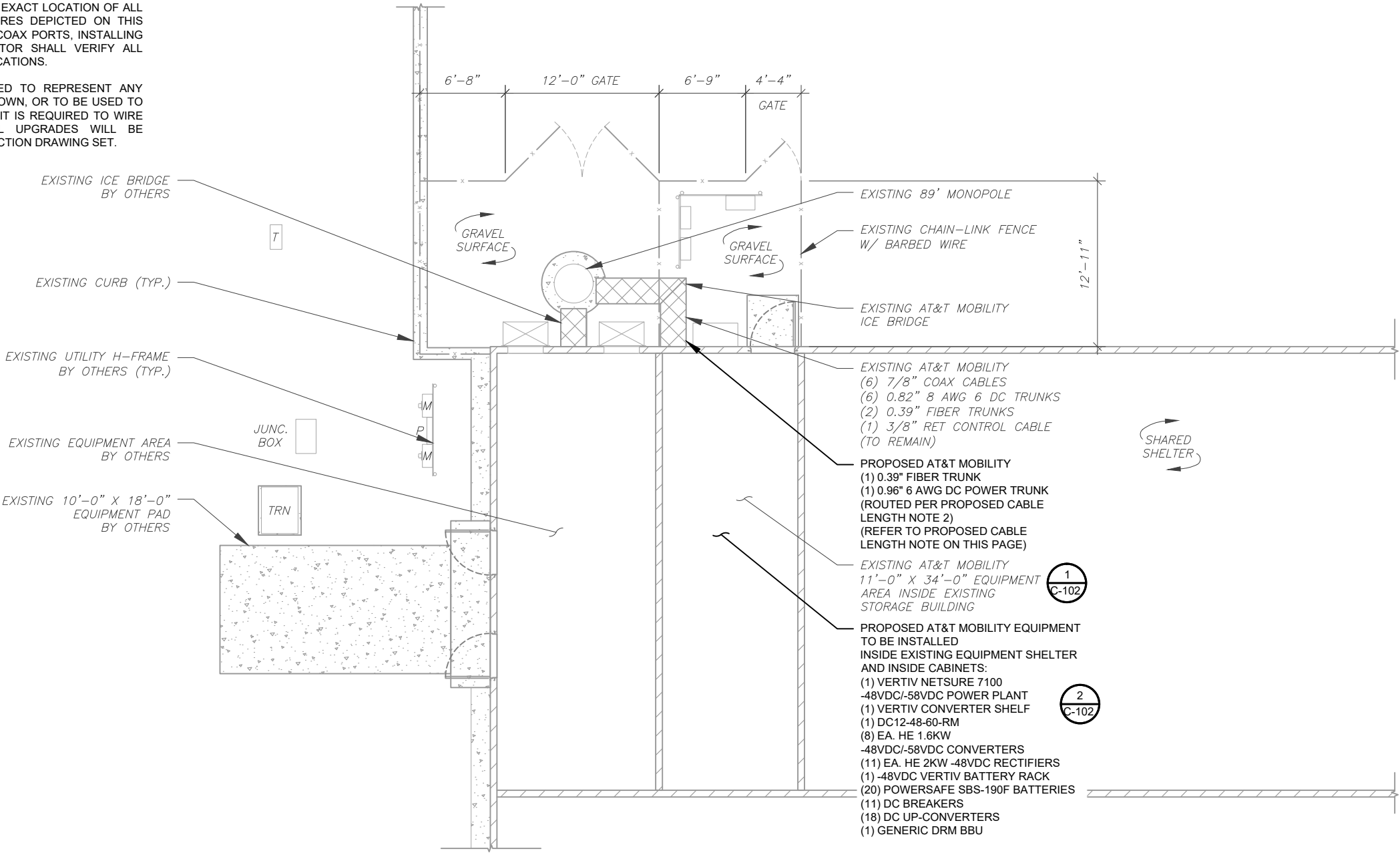
OVERALL SITE PLAN

SHEET NUMBER:	REVISION:
C-001	0

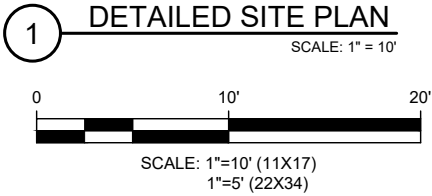
SITE PLAN NOTES:

1. THIS SITE PLAN REPRESENTS THE BEST PRESENT KNOWLEDGE AVAILABLE TO THE ENGINEER AT THE TIME OF THIS DESIGN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION AND VERIFY ALL EXISTING CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT.
2. ICE BRIDGE, CABLE LADDER, COAX PORT, AND COAX CABLE ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL CONFIRM THE EXACT LOCATION OF ALL PROPOSED AND EXISTING EQUIPMENT AND STRUCTURES DEPICTED ON THIS PLAN. BEFORE UTILIZING EXISTING CABLE SUPPORTS, COAX PORTS, INSTALLING NEW PORTS OR ANY OTHER EQUIPMENT, CONTRACTOR SHALL VERIFY ALL ASPECTS OF THE COMPONENTS MEET THE ATC SPECIFICATIONS.
3. THIS CONSTRUCTION DRAWING SET IS NOT INTENDED TO REPRESENT ANY ELECTRICAL DESIGN OTHER THAN THE GROUNDING SHOWN, OR TO BE USED TO OBTAIN AN ELECTRICAL PERMIT. AN ELECTRICAL PERMIT IS REQUIRED TO WIRE UP THE PROPOSED EQUIPMENT. ANY ELECTRICAL UPGRADES WILL BE ENGINEERED AND PERMITTED IN A SEPARATE CONSTRUCTION DRAWING SET.

LEGEND	
⊗	GROUNDING TEST WELL
ATS	AUTOMATIC TRANSFER SWITCH
B	BOLLARD
CSC	CELL SITE CABINET
D	DISCONNECT
E	ELECTRICAL
F	FIBER
GEN	GENERATOR
G	GENERATOR RECEPTACLE
HH, V	HAND HOLE, VAULT
IB	ICE BRIDGE
K	KENTROX BOX
LC	LIGHTING CONTROL
M	METER
PB	PULL BOX
PP	POWER POLE
T	TELCO
TRN	TRANSFORMER
—x—	CHAINLINK FENCE



- PROPOSED CABLE NOTES:**
1. ESTIMATED LENGTH OF PROPOSED CABLE IS **120'**. ESTIMATED LENGTH OF CABLE WAS PROVIDED BY CUSTOMER OR CALCULATED BY ADDING THE RAD CENTER AND THE DISTANCE FROM THE SHELTER ENTRY PLATE TO THE TOWER (ALONG THE ICE BRIDGE) AND A SAFETY FACTOR MEASUREMENT OF 15% (OF THE TWO PREVIOUS VALUES). CDS DEFER TO GREATEST CABLE LENGTH.
2. ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. IF ADEQUATE SPACE EXISTS, ROUTE CABLES THROUGH ENTRY PORT HOLE, UP INSIDE OF MONOPOLE, AND THROUGH EXIT PORT HOLE. IF ROUTING OUTSIDE THE MONOPOLE, ATTACH CABLES USING STAND-OFF ADAPTERS MOUNTED TO TOWER USING STAINLESS STEEL BANDING. ADEQUATELY SECURE CABLES USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER.



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1584 S 500 E
AMERICAN FORK, UT 84003-3314

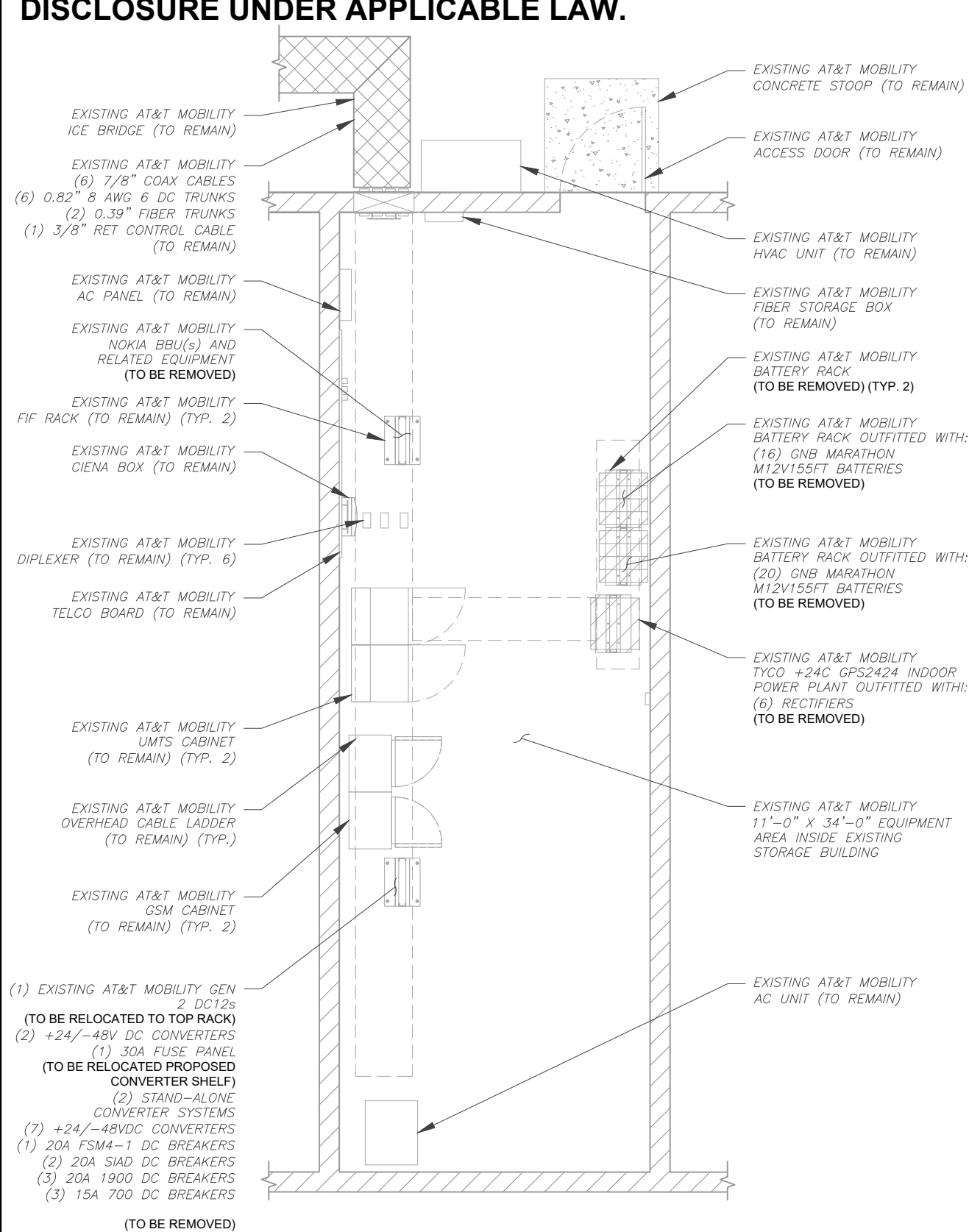


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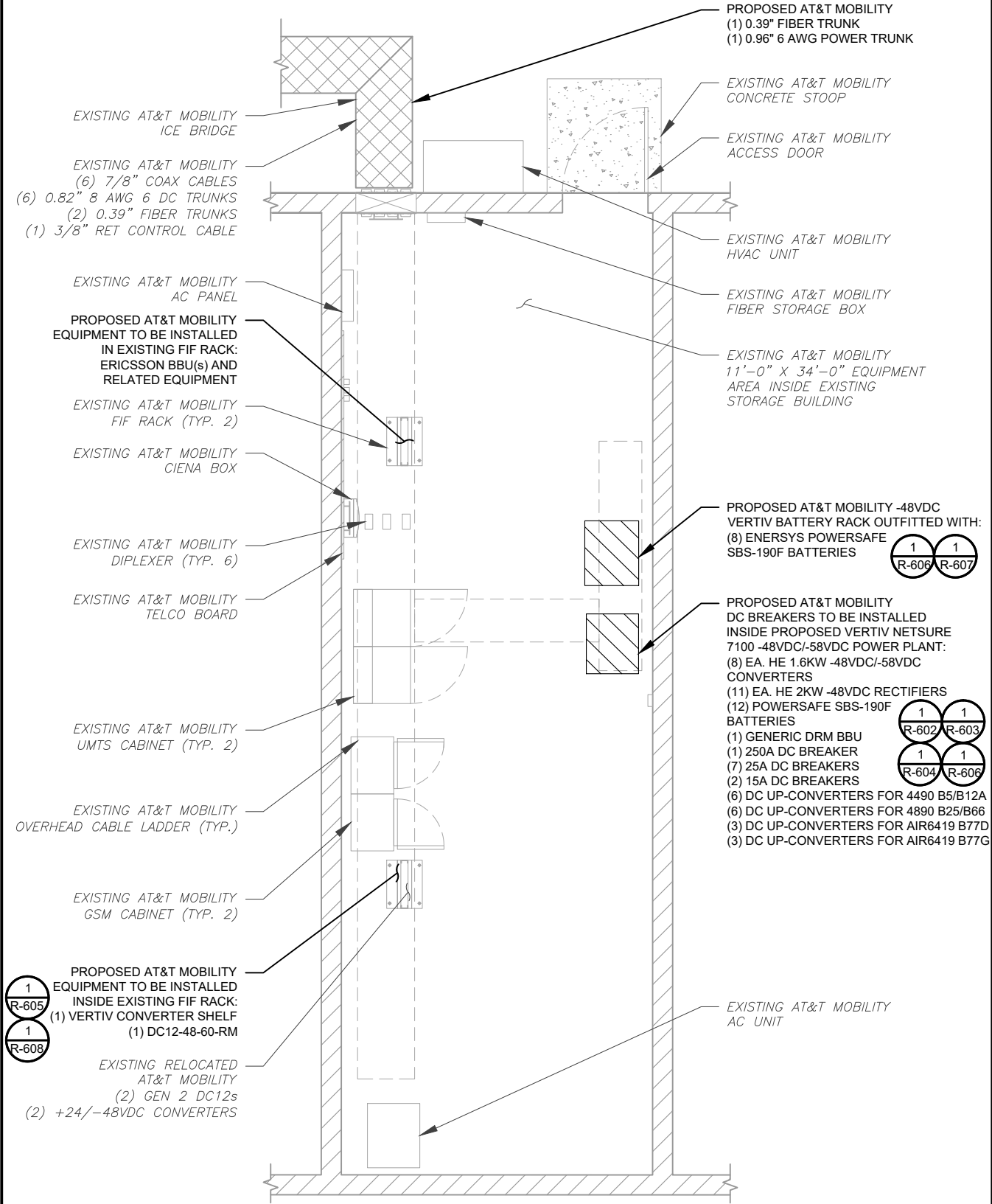
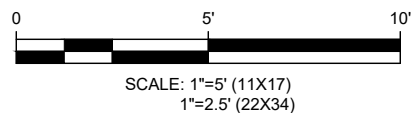
DETAILED SITE PLAN

SHEET NUMBER:	REVISION:
C-101	0

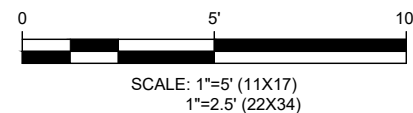
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1 EXISTING DETAILED EQUIPMENT LAYOUT
SCALE: 1" = 5'



2 PROPOSED DETAILED EQUIPMENT LAYOUT
SCALE: 1" = 5'



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CUSTOMER ID:	SIUT001351

DETAILED EQUIPMENT
LAYOUT

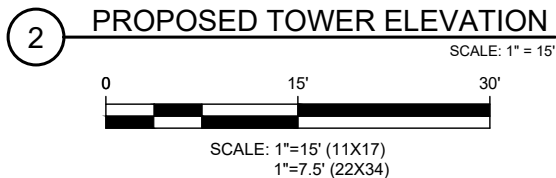
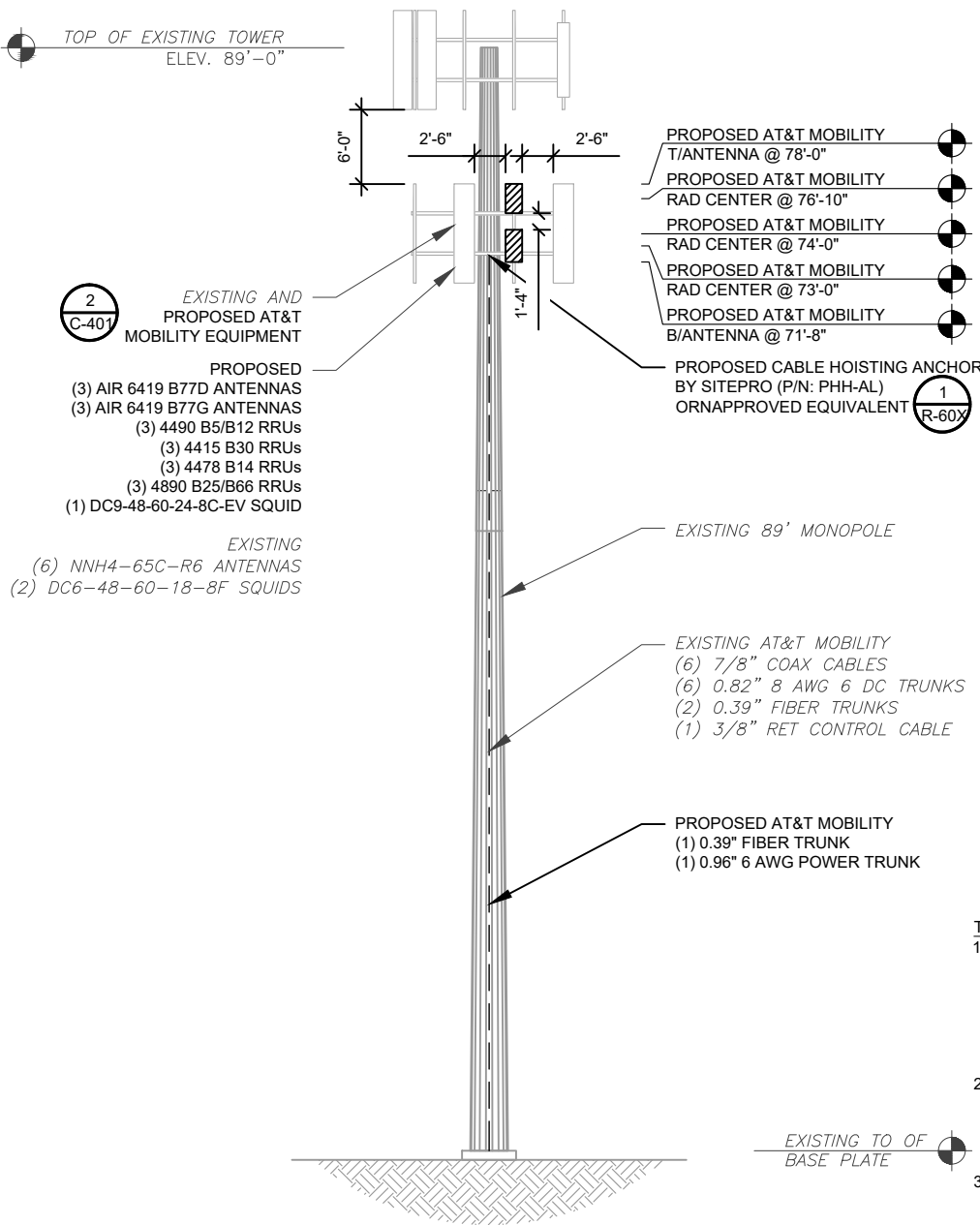
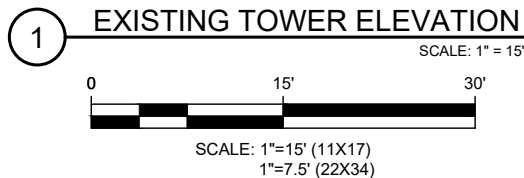
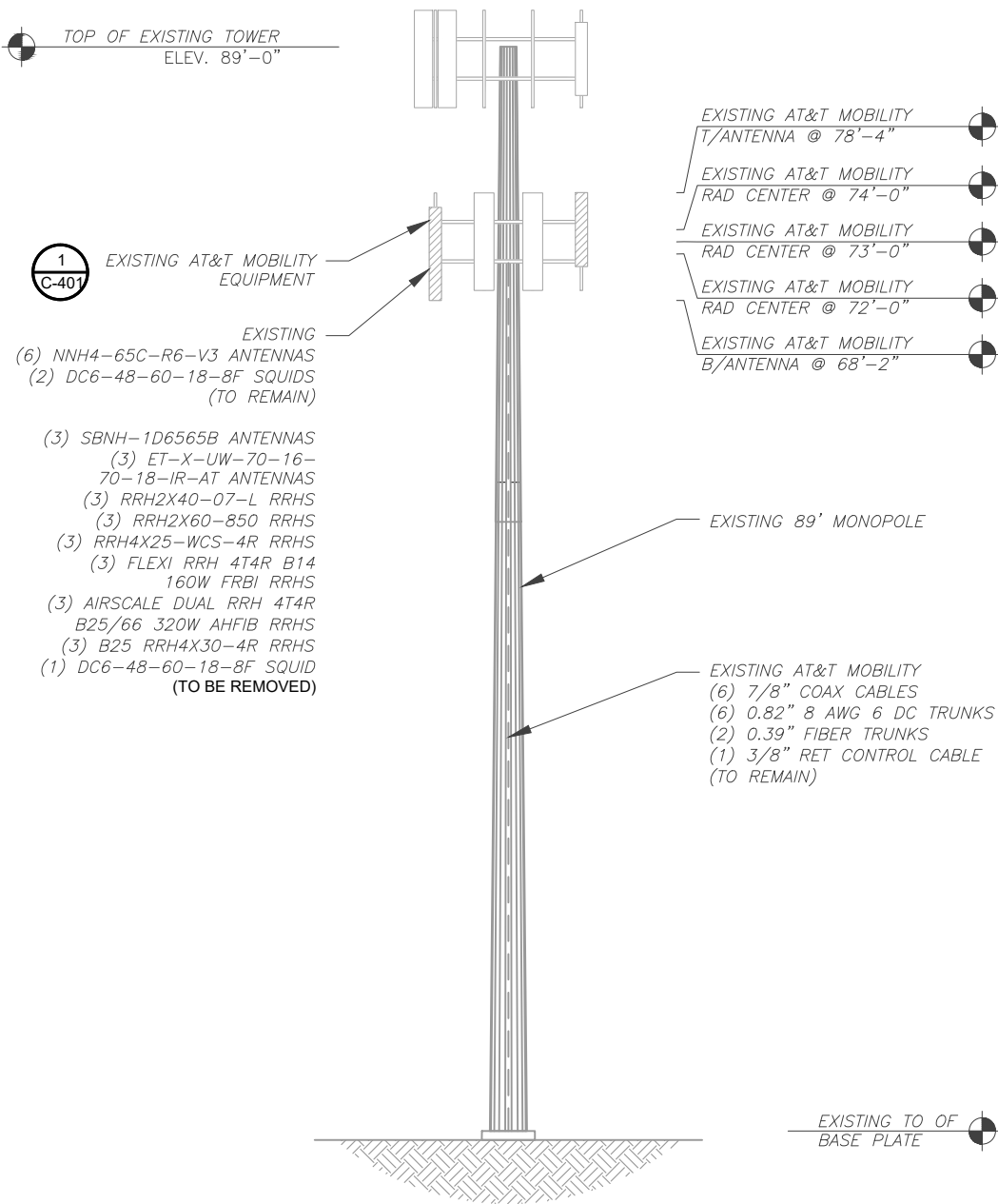
SHEET NUMBER:

C-102

REVISION:

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ATC IS ANALYZING THE ANTENNA MOUNT UNDER A SEPARATE PROJECT. CONSTRUCTION IS NOT TO PROCEED UNTIL THE MOUNT ANALYSIS IS COMPLETE AND INDICATES THE ADDITIONAL LOADING DOES NOT OVERSTRESS THE MOUNT.

DETAIL SOW:
REMOVE (6) ANTENNA(S)
REMOVE (18) RRH(S)
REMOVE (1) SQUID(S)
INSTALL (3) RRH DUAL SWIVEL MOUNT(S)
INSTALL (6) PIPE TO PIPE CLAMP(S)
INSTALL (6) ANTENNA(S)
INSTALL (12) RRH(S)
INSTALL (1) SQUID(S)
INSTALL (1) 0.39" FIBER TRUNK(S)
INSTALL (1) 0.82" 6 AWG DC TRUNK(S)
EXISTING (6) ANTENNA(S)
EXISTING (2) SQUID(S)
EXISTING (6) 7/8" COAX CABLE(S)
EXISTING (6) 0.96" 8 AWG 6 DC TRUNK(S)
EXISTING (2) 0.39" FIBER TRUNK(S)
EXISTING AND (1) 3/8" RET CONTROL CABLE(S)

- TOWER NOTES:
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM WITH THE PROJECT MANAGER THAT THEY HAVE THE MOST RECENT VERSION OF THE STRUCTURAL ANALYSIS BEFORE COMMENCING WORK. EXISTING AND PROPOSED TOWER APPURTENANCES, MOUNTS, AND ANTENNAS ARE SHOWN BASED ON THE STRUCTURAL ANALYSIS.
 - WHERE APPLICABLE, ALL NEW ANTENNAS, EQUIPMENT, MOUNTS, CABLING, ETC. SHALL BE PAINTED/SOCKED TO MATCH EXISTING EQUIPMENT IN ACCORDANCE WITH FAA, JURISDICTION, AND/OR OTHER LOCAL REQUIREMENTS.
 - ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. IF ADEQUATE SPACE EXISTS, ROUTE CABLES THROUGH ENTRY PORT HOLE, UP INSIDE OF MONOPOLE, AND THROUGH EXIT PORT HOLE. IF ROUTING OUTSIDE THE MONOPOLE, ATTACH CABLES USING STAND-OFF ADAPTERS MOUNTED TO TOWER USING STAINLESS STEEL BANDING. ADEQUATELY SECURE CABLES USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER.
 - TOWER ELEVATION DEPICTION MAY NOT REFLECT ALL EQUIPMENT INCLUDED IN STRUCTURAL ANALYSIS. REFER TO STRUCTURAL ANALYSIS FOR FULL TOWER LOADING.



PLANS PREPARED BY:



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AMERICAN FORK, UT 84003-3314

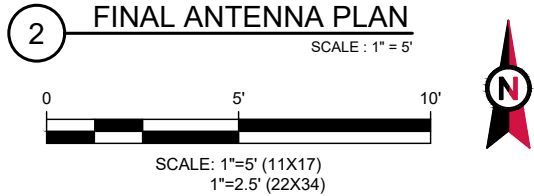
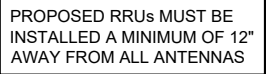
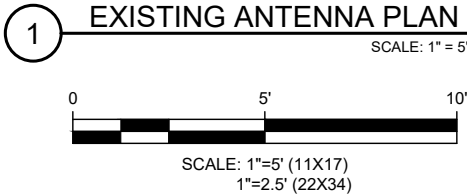


DATE DRAWN:	09/06/24
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CUSTOMER ID:	SIUT001351

TOWER ELEVATION

SHEET NUMBER: C-201
REVISION: 0

EXISTING CONFIGURATIONS ARE BASED ON RFDS.
CONTRACTOR TO VERIFY EXISTING CONDITIONS.



ATC IS ANALYZING THE ANTENNA MOUNT UNDER A SEPARATE PROJECT. CONSTRUCTION IS NOT TO PROCEED UNTIL THE MOUNT ANALYSIS IS COMPLETE AND INDICATES THE ADDITIONAL LOADING DOES NOT OVERSTRESS THE MOUNT.



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AT&T MOBILITY SITE NUMBER:

SIUT001351

AT&T MOBILITY SITE NAME:

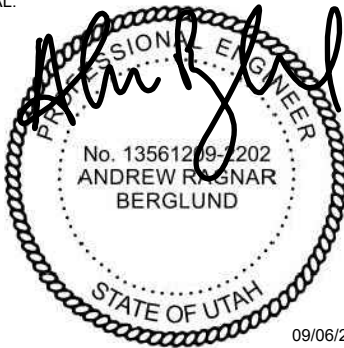
PLEASANT GROVE & I-15 RELO

SITE ADDRESS:

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AMERICAN FORK, UT 84003-3314

SEAL:



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ANTENNA INSTALLATION

SHEET NUMBER: **C-401**

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EXISTING ANTENNA SCHEDULE									
LOCATION			ANTENNA SUMMARY					NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	MECH. D-TILT	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	74'	70°	A1	SBNH-1D6565B	UMTS 850	0°/0°/0°	RMV	—	—
	73'		A2	NNH4-65C-R6	LTE 700/LTE AWS	0°/0°/0°	REL	(1) AIRSCALE DUAL RRH 4T4R B25/66 320W AHFIB (1) FLEXI RRH 4T4R B14 160W FRBI	RMV RMV
			A3	NNH4-65C-R6	LTE 850/LTE WCS	0°/0°/0°	RMN	(1) RRH2x60-850 (1) RRH4x25-WCS-4R	RMV RMV
	72'		A4	ET-X-UW-70-16-70-18-IR-AT-RA	LTE 700/LTE 1900	0°/0°/0°	RMV	(1) B25 RRH4X30-4R (1) RRH2X40W_7L	RMV RMV
BETA	73'	180°	B1	SBNH-1D6565B	UMTS 850	0°/0°/0°	RMV	—	—
	74'		B2	NNH4-65C-R6	LTE 700/LTE AWS	0°/0°/0°	REL	(1) AIRSCALE DUAL RRH 4T4R B25/66 320W AHFIB (1) FLEXI RRH 4T4R B14 160W FRBI	RMV RMV
			73'	B3	NNH4-65C-R6	LTE 850/LTE WCS	0°/0°/0°	RMN	(1) RRH2x60-850 (1) RRH4x25-WCS-4R
	74'			B4	ET-X-UW-70-16-70-18-IR-AT-RA	LTE 700/LTE 1900	0°/0°/0°	RMV	(1) B25 RRH4X30-4R (1) RRH2X40W_7L
GAMMA	74'	320°	C1	SBNH-1D6565B	UMTS 850	0°/0°/0°	RMV	—	—
	73'		C2	NNH4-65C-R6	LTE 700/LTE AWS	0°/0°/0°	REL	(1) AIRSCALE DUAL RRH 4T4R B25/66 320W AHFIB (1) FLEXI RRH 4T4R B14 160W FRBI	RMV RMV
			C3	NNH4-65C-R6	LTE 850/LTE WCS	0°/0°/0°	RMN	(1) RRH2x60-850 (1) RRH4x25-WCS-4R	RMV RMV
	72'		C4	ET-X-UW-70-16-70-18-IR-AT-RA	LTE 700/LTE 1900	0°/0°/0°	RMV	(1) B25 RRH4X30-4R (1) RRH2X40W_7L	RMV RMV

NOTES

1. CONFIRM WITH AT&T MOBILITY REP FOR APPLICABLE UPDATES/REVISIONS AND MOST RECENT RFDS FOR NSN CONFIGURATION (CONFIG). GC TO CAP ALL UNUSED PORTS.

2. CONFIRM SPACING OF PROPOSED EQUIP DOES NOT CAUSE TOWER CONFLICTS NOR IMPEDE TOWER CLIMBING PEGS.

3. THE ANTENNA ORIENTATION PLAN IS A SCHEMATIC. ATC DID NOT CONFIRM EXISTING SITE CONDITIONS INCLUDING, BUT NOT LIMITED TO, ANTENNA AZIMUTHS, MOUNT CONFIGURATIONS AND TOWER ORIENTATION. SCALES SHOWN ARE FOR REFERENCE ONLY AND EXISTING DIMENSIONS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO INSTALLATION AND NOTIFY ATC OF ANY DISCREPANCIES.

4. CONTRACTOR TO ENSURE PROPER SEPARATION IN ACCORDANCE WITH AT&T'S FIRSTNET REQUIREMENTS.

STATUS ABBREVIATIONS

RMV: TO BE REMOVED
RMN: TO REMAIN
REL: TO BE RELOCATED
ADD: TO BE ADDED

CABLE LENGTHS FOR JUMPERS

JUNCTION BOX TO RRU: 15'

RRU TO ANTENNA: 10'

FINAL ANTENNA SCHEDULE									
LOCATION			ANTENNA SUMMARY					NON ANTENNA SUMMARY	
SECTOR	RAD	AZ	POS	ANTENNA	BAND	MECH. D-TILT	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	74°-0"	70°	A1	NNH4-65C-R6	-	0°/0°/0°	RMN	(1) 4490 B5/B12 (1) 4415 B30	ADD ADD
	76°-10"		A2A	AIR6419 B77D	5G CBAND	0°/0°/0°	ADD	-	-
	73°-0"		A2B	AIR6419 B77G	5G DOD	0°/0°/0°	ADD		
	74°-0"		A3	NNH4-65C-R6	-	0°/0°/0°	RMN	(1) 4478 B14 (1) 4890 B25/B66	ADD ADD
			A4	-	-	0°/0°/0°	-	-	-
BETA	74°-0"	180°	B1	NNH4-65C-R6	-	0°/0°/0°	RMN	(1) 4490 B5/B12 (1) 4415 B30	ADD ADD
	76°-10"		B2A	AIR6419 B77D	5G CBAND	0°/0°/0°	ADD	-	-
	73°-0"		B2B	AIR6419 B77G	5G DOD	0°/0°/0°	ADD		
	74°-0"		B3	NNH4-65C-R6	-	0°/0°/0°	RMN	(1) 4478 B14 (1) 4890 B25/B66	ADD ADD
			B4	-	-	0°/0°/0°	-	-	-
GAMMA	74°-0"	320°	C1	NNH4-65C-R6	-	0°/0°/0°	RMN	(1) 4490 B5/B12 (1) 4415 B30	ADD ADD
	76°-10"		C2A	AIR6419 B77D	5G CBAND	0°/0°/0°	ADD	-	-
	73°-0"		C2B	AIR6419 B77G	5G DOD	0°/0°/0°	ADD		
	74°-0"		C3	NNH4-65C-R6	-	0°/0°/0°	RMN	(1) 4478 B14 (1) 4890 B25/B66	ADD ADD
			C4	-	-	0°/0°/0°	-	-	-

EXISTING FIBER DISTRIBUTION/SQUID		EXISTING CABLING SUMMARY			
MODEL NUMBER	STATUS	COAX	DC	FIBER	STATUS
(2) DC6-48-60-18-8F	RMN	—	(6) 0.82" 8 AWG 6	(2) 0.39"	RMN
(1) DC6-48-60-18-8F	RMV	(6) 7/8"	(1) 3/8" RET	—	RMN

1

EQUIPMENT SCHEDULES

FINAL FIBER DISTRIBUTION/SQUID		FINAL CABLING SUMMARY			
MODEL NUMBER	STATUS	COAX	DC	FIBER	STATUS
(2) DC6-48-60-18-8F	RMN	-	(6) 0.82" 8 AWG 6	(2) 0.39"	RMN
-	-	(6) 7/8"	(1) 3/8" RET	-	RMN
(1) DC9-48-60-24-8C-EV	ADD	-	(1) 0.96" 6 AWG	(1) 0.39"	ADD



PLANS PREPARED BY:



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OFFICE: (919) 661-6351
www.tepgroup.net

REV.	DESCRIPTION	BY	DATE
A	PRELIMINARY	APM	08/14/24
B	100% CONSTRUCTION	SSP	09/06/24
C			
D			

ATC SITE NUMBER: 416704

ATC SITE NAME: PRO FARMER UT

AT&T MOBILITY SITE NUMBER:

SIUT001351

AT&T MOBILITY SITE NAME:

PLEASANT GROVE & I-15 RELO

SITE ADDRESS:

1584 S 500 E

AMERICAN FORK, UT 84003-3314

SEAL:

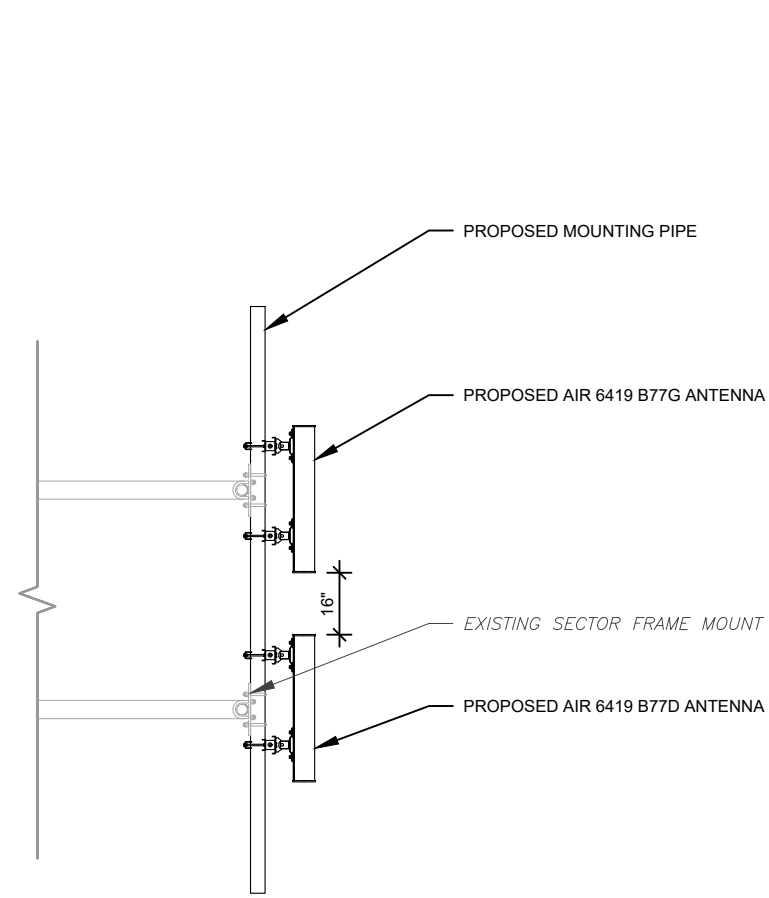
09/06/24



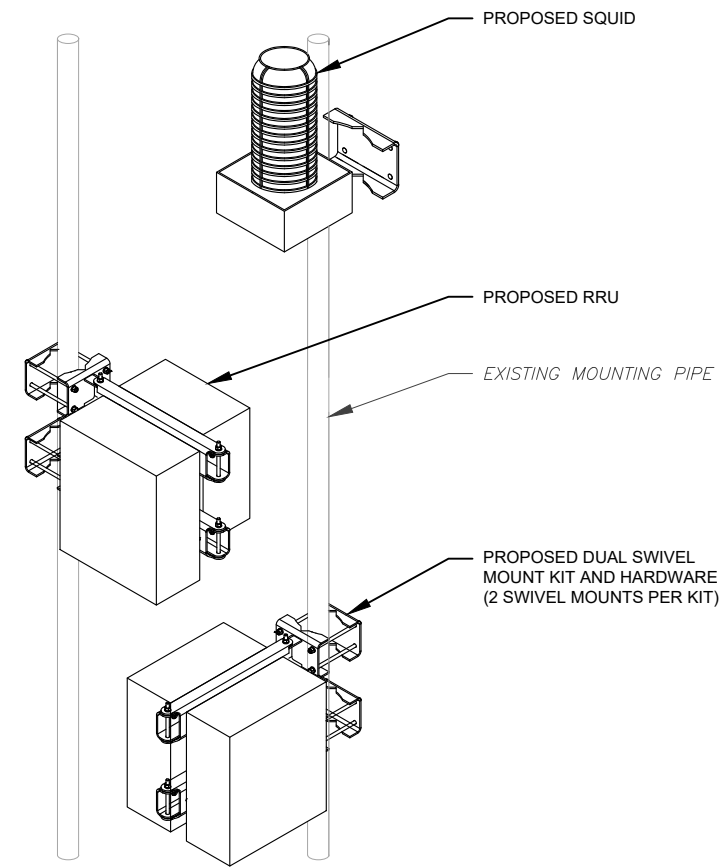
DATE DRAWN:	09/06/24
ATC JOB NO:	14842351
CUSTOMER NAME:	PLEASANT GROVE & I-15 RELO
CUSTOMER ID:	SIUT001351

ANTENNA SCHEDULE

SHEET NUMBER:	REVISION:
C-402	0



1 PROPOSED 5G ANTENNA MOUNTING DETAIL
SCALE: N.T.S.



2 PROPOSED RRU & SQUID MOUNTING DETAIL
SCALE: N.T.S.



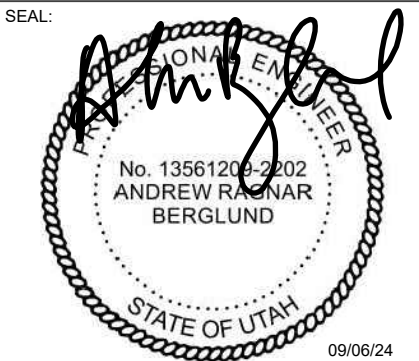
PLANS PREPARED BY:



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REV.	DESCRIPTION	BY	DATE
A	PRELIMINARY	APM	08/14/24
0	100% CONSTRUCTION	SSP	09/06/24

ATC SITE NUMBER: 416704
ATC SITE NAME: PRO FARMER UT
AT&T MOBILITY SITE NUMBER:
SIUT001351
AT&T MOBILITY SITE NAME:
PLEASANT GROVE & I-15 RELO
SITE ADDRESS:
1584 S 500 E
AMERICAN FORK, UT 84003-3314

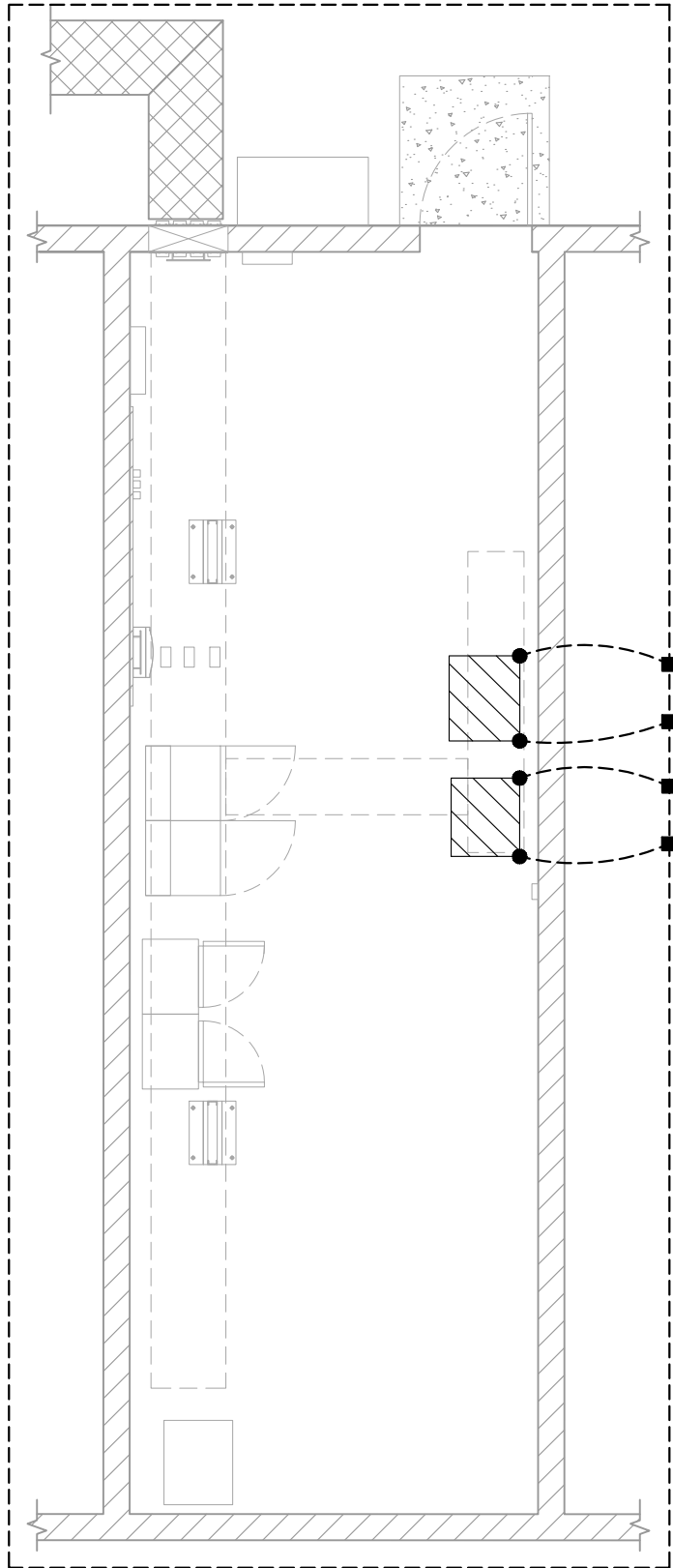


DATE DRAWN:	09/06/24
ATC JOB NO:	14842351
CUSTOMER NAME:	PLEASANT GROVE & I-15 RELO
CUSTOMER ID:	SIUT001351

CONSTRUCTION
DETAILS

SHEET NUMBER:	REVISION:
C-501	0

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LEGEND

■

EXOTHERMIC CONNECTION

●

MECHANICAL CONNECTION

▬

ANTENNA GROUND BAR

⌈

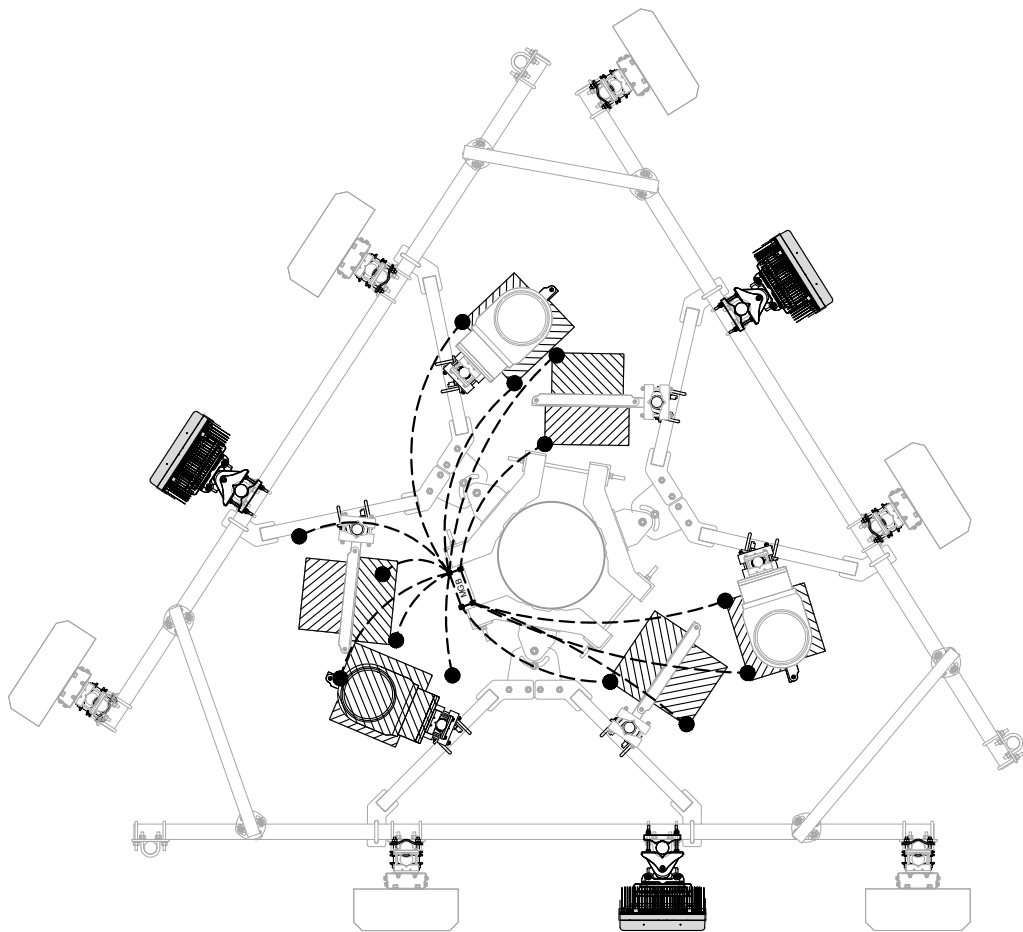
MASTER GROUND BAR

1

EQUIPMENT GROUNDING PLAN

SCALE: N.T.S.

N



LEGEND

■

EXOTHERMIC CONNECTION

●

MECHANICAL CONNECTION

▬

ANTENNA GROUND BAR

⌈

MASTER GROUND BAR

2

ANTENNA GROUNDING PLAN

SCALE: N.T.S.

N



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REV.	DESCRIPTION	BY	DATE
A	PRELIMINARY	APM	08/14/24
0	100% CONSTRUCTION	SSP	09/06/24

ATC SITE NUMBER: 416704
ATC SITE NAME: PRO FARMER UT
AT&T MOBILITY SITE NUMBER:
SIUT001351
AT&T MOBILITY SITE NAME:
PLEASANT GROVE & I-15 RELO
SITE ADDRESS:
1584 S 500 E
AMERICAN FORK, UT 84003-3314

SEAL:

09/06/24



DATE DRAWN:	09/06/24
ATC JOB NO:	14842351
CUSTOMER NAME:	PLEASANT GROVE & I-15 RELO
CUSTOMER ID:	SIUT001351

ELECTRICAL DETAILS

SHEET NUMBER:	REVISION:
E-101	0

OUTSIDE AC POWER PANEL (EXISTING)											
120/240 VOLTS, 1-PHASE, 3-WIRE, 200A											
MAIN BREAKER RATING (A) :				SYSTEM VOLTAGE (V) :							
DESCRIPTION	VA	c/nc	BKR	POSN	L1	L2	POSN	BKR	c/nc	VA	DESCRIPTION
BLANK				1	0		2		c	0	SURGE
BLANK				3		0	4	30/3	c	0	
BLANK				5	0		6		c	0	
BLANK				7		0	8				
BLANK				9	0		10				BLANK
CONDENSING UNIT #2	3250	c	60/2	11		13460	12	100/2	c	10210	INSIDE AC PANEL
	3250	c		13	12660		14		c	9410	
BLANK				15		0	16				BLANK
HVAC #1	3250	c	60/2	17	3250		18	100/2	nc	0	SPARE / OFF
	3250	c		19		3250	20		nc	0	
BLANK				21	0		22				BLANK
BLANK				23		180	24	20/1	nc	180	GFCI
PHASE TOTALS (VA):				15910		16890					
PHASE TOTALS (A):				133		141					
CURRENT PER PHASE W/ 125% Continuous Loads (A):				166		176		Amperes/phase cannot exceed main breaker rating			
PANEL TOTAL (VA):				32800				Legend: c = continuous, nc = non-continuous			
PANEL TOTAL W/ 125% Continuous Loads (VA):				40955							

1 EXISTING AC PANEL (OUTSIDE)
SCALE: N.T.S.

INSIDE AC POWER PANEL (EXISTING)											
120/240 VOLTS, 1-PHASE, 3-WIRE, 200A											
MAIN BREAKER RATING (A) :				SYSTEM VOLTAGE (V) :							
DESCRIPTION	VA	c/nc	BKR	POSN	L1	L2	POSN	BKR	c/nc	VA	DESCRIPTION
LIGHTS	900	nc	20/1	1	2225		2		c	1325	RECTIFIER #1
SMOKE ALARM	100	c	20/1	3		1425	4	30/2	c	1325	
RECEPTACLES	360	nc	20/1	5	1685		6	30/2	c	1325	RECTIFIER #2
RECEPTACLES	360	nc	20/1	7		1685	8		c	1325	
AIR HANDLER HVAC #2	1000	c	20/2	9	2325		10	30/2	c	1325	RECTIFIER #3
	1000	c		11		2325	12		c	1325	
RECTIFIER #7 / OFF	0	nc	30/2	13	1325		14	30/2	c	1325	RECTIFIER #4
	0	nc		15		1325	16		c	1325	
RECTIFIER #8 / OFF	0	nc	30/2	17	1325		18	30/2	c	1325	RECTIFIER #5
	0	nc		19		1325	20		c	1325	
BLANK				21	1325		22	30/2	c	1325	RECTIFIER #6
BLANK				23		1325	24		c	1325	
BLANK				25	0		26				BLANK
BLANK				27		0	28				BLANK
BLANK				29	0		30				BLANK
BLANK				31		0	32				BLANK
BLANK				33	0		34				BLANK
BLANK				35		0	36				BLANK
BLANK				37	0		38				BLANK
BLANK				39		0	40				BLANK
BLANK				41	0		42				BLANK
PHASE TOTALS (VA):				10210		9410					
PHASE TOTALS (A):				85		78					
CURRENT PER PHASE W/ 125% Continuous Loads (A):				104		97		Amperes/phase cannot exceed main breaker rating			
PANEL TOTAL (VA):				19620				Legend: c = continuous, nc = non-continuous			
PANEL TOTAL W/ 125% Continuous Loads (VA):				24120							

2 EXISTING AC PANEL (INSIDE)
SCALE: N.T.S.

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OUTSIDE AC POWER PANEL (PROPOSED)											
120/240 VOLTS, 1-PHASE, 3-WIRE, 200A											
MAIN BREAKER RATING (A) :				SYSTEM VOLTAGE (V) :							
DESCRIPTION	VA	c/nc	BKR	POSN	L1	L2	POSN	BKR	c/nc	VA	DESCRIPTION
BLANK				1	0		2		c	0	SURGE
BLANK				3		0	4	30/3	c	0	
BLANK				5	0		6		c	0	
BLANK				7		0	8				
BLANK				9	0		10				BLANK
CONDENSING UNIT #2	3250	c	60/2	11		14310	12	150/2	c	11060	INSIDE AC PANEL
	3250	c		13	13510		14		c	10260	
BLANK				15		0	16				BLANK
HVAC #1	3250	c	60/2	17	3250		18	100/2	nc	0	SPARE / OFF
	3250	c		19		3250	20		nc	0	
BLANK				21	0		22				BLANK
BLANK				23		180	24	20/1	nc	180	GFCI
PHASE TOTALS (VA):				16760		17740					
PHASE TOTALS (A):				140		148					
CURRENT PER PHASE W/ 125% Continuous Loads (A):				175		184		Amperes/phase cannot exceed main breaker rating			
PANEL TOTAL (VA):				34500				Legend: c = continuous, nc = non-continuous			
PANEL TOTAL W/ 125% Continuous Loads (VA):				43080							

3 PROPOSED AC PANEL (OUTSIDE)
SCALE: N.T.S.

INSIDE AC POWER PANEL (PROPOSED)											
120/240 VOLTS, 1-PHASE, 3-WIRE, 200A											
MAIN BREAKER RATING (A) :				SYSTEM VOLTAGE (V) :							
DESCRIPTION	VA	c/nc	BKR	POSN	L1	L2	POSN	BKR	c/nc	VA	DESCRIPTION
LIGHTS	900	nc	20/1	1	2500		2		c	1600	VERTIV RECTIFIER 1 & 2
SMOKE ALARM	100	c	20/1	3		1700	4	30/2	c	1600	
RECEPTACLES	360	nc	20/1	5	1960		6	30/2	c	1600	VERTIV RECTIFIER 3 & 4
RECEPTACLES	360	nc	20/1	7		1960	8		c	1600	
AIR HANDLER HVAC #2	1000	c	20/2	9	2600		10	30/2	c	1600	VERTIV RECTIFIER 5 & 6
	1000	c		11		2600	12		c	1600	
SPARE / OFF	0	nc	30/2	13	1600		14	30/2	c	1600	VERTIV RECTIFIER 7 & 8
	0	nc		15		1600	16		c	1600	
SPARE / OFF	0	nc	30/2	17	1600		18	30/2	c	1600	VERTIV RECTIFIER 9 & 10
	0	nc		19		1600	20		c	1600	
BLANK				21	800		22	30/2	c	800	VERTIV RECTIFIER 11
BLANK				23		800	24		c	800	
BLANK				25	0		26				BLANK
BLANK				27		0	28				BLANK
BLANK				29	0		30				BLANK
BLANK				31		0	32				BLANK
BLANK				33	0		34				BLANK
BLANK				35		0	36				BLANK
BLANK				37	0		38				BLANK
BLANK				39		0	40				BLANK
BLANK				41	0		42				BLANK
PHASE TOTALS (VA):				11060		10260					
PHASE TOTALS (A):				92		86					
CURRENT PER PHASE W/ 125% Continuous Loads (A):				113		106		Amperes/phase cannot exceed main breaker rating			
PANEL TOTAL (VA):				21320				Legend: c = continuous, nc = non-continuous			
PANEL TOTAL W/ 125% Continuous Loads (VA):				26245							

4 PROPOSED AC PANEL (INSIDE)
SCALE: N.T.S.



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REV.	DESCRIPTION	BY	DATE
A	PRELIMINARY	APM	08/14/24
B	100% CONSTRUCTION	SSP	09/06/24

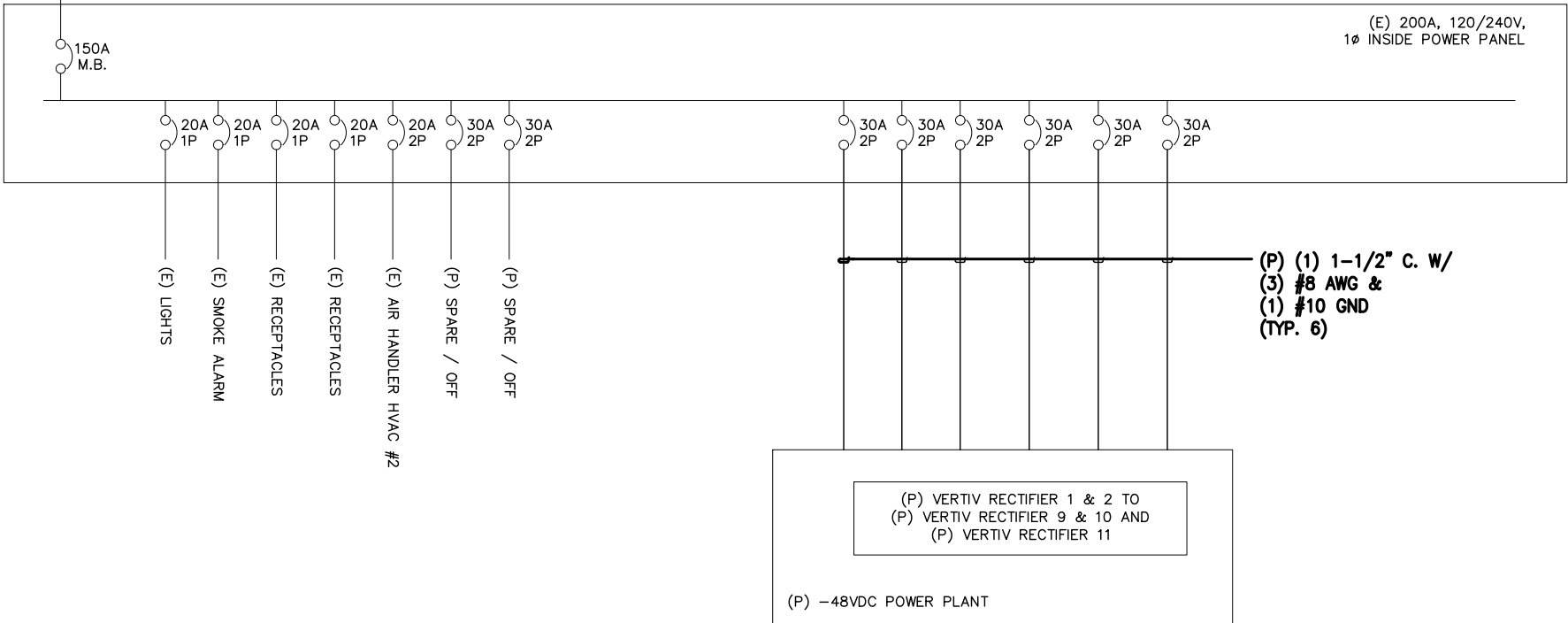
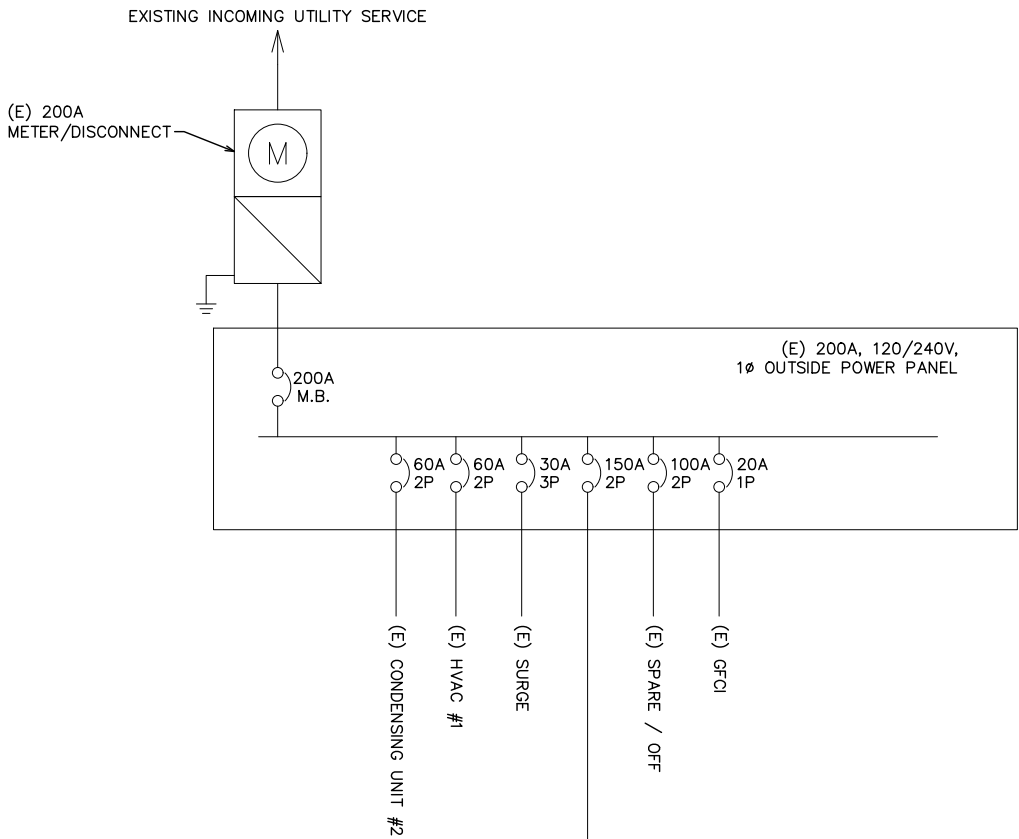
ATC SITE NUMBER: 416704
ATC SITE NAME: PRO FARMER UT
AT&T MOBILITY SITE NUMBER:
SIUT001351
AT&T MOBILITY SITE NAME:
PLEASANT GROVE & I-15 RELO
SITE ADDRESS:
1584 S 500 E
AMERICAN FORK, UT 84003-3314



DATE DRAWN:	09/06/24
ATC JOB NO:	14842351
CUSTOMER NAME:	PLEASANT GROVE & I-15 RELO
CUSTOMER ID:	SIUT001351

ELECTRICAL DETAILS

SHEET NUMBER:	REVISION:
E-102	0



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LEGEND:
(E) - EXISTING
(N) - NEW

1 ONE-LINE DIAGRAM
SCALE: N.T.S.



PLANS PREPARED BY:



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REV.	DESCRIPTION	BY	DATE
A	PRELIMINARY	APM	08/14/24
0	100% CONSTRUCTION	SSP	09/06/24

ATC SITE NUMBER: 416704
ATC SITE NAME: PRO FARMER UT
AT&T MOBILITY SITE NUMBER:
SIUT001351
AT&T MOBILITY SITE NAME:
PLEASANT GROVE & I-15 RELO
SITE ADDRESS:
1584 S 500 E
AMERICAN FORK, UT 84003-3314

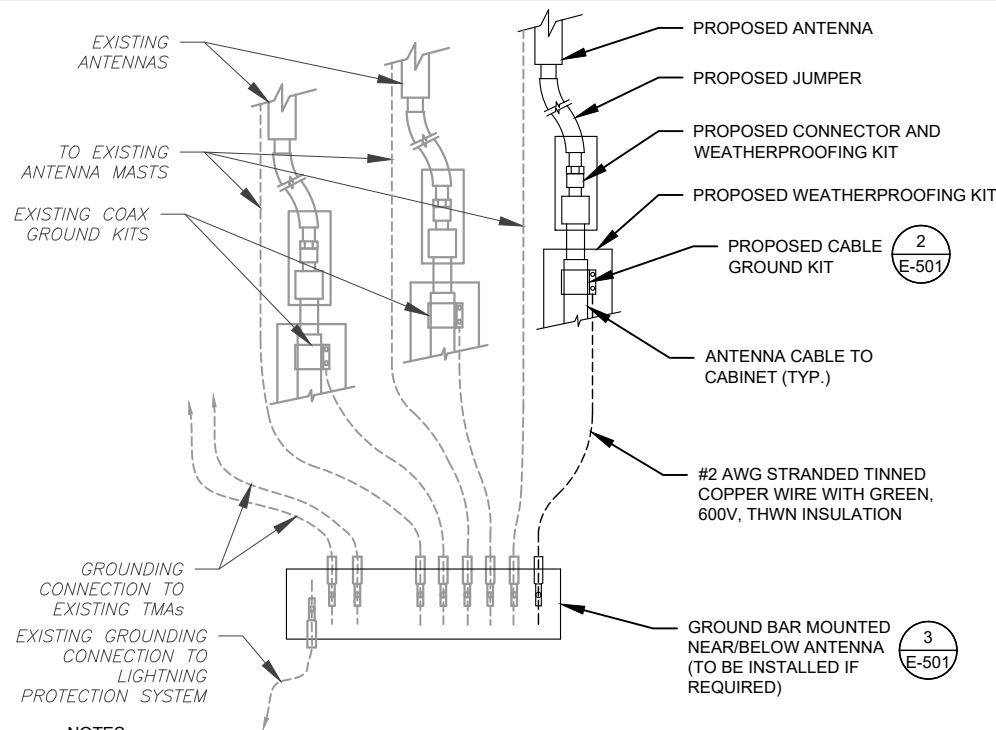


DATE DRAWN:	09/06/24
ATC JOB NO:	14842351
CUSTOMER NAME:	PLEASANT GROVE & I-15 RELO
CUSTOMER ID:	SIUT001351

ELECTRICAL DETAILS

SHEET NUMBER:
E-103

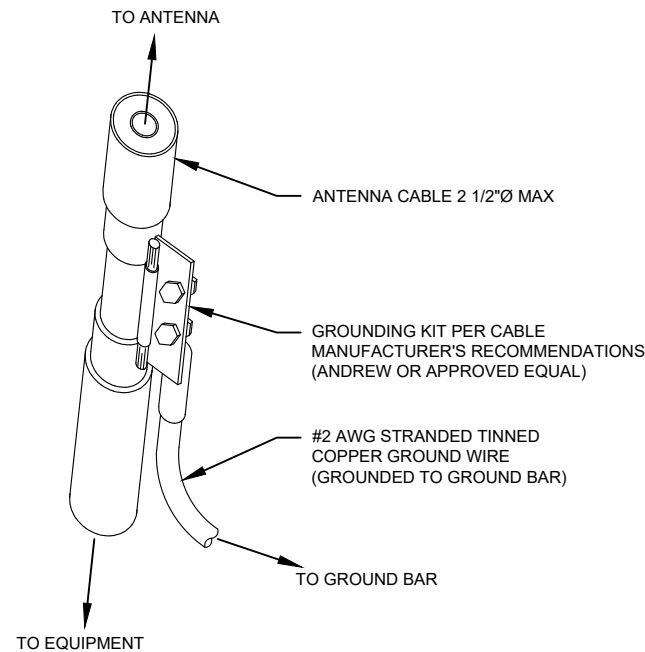
REVISION:
0



NOTES:

1. THIS DETAIL IS INTENDED TO SHOW THE GENERAL GROUNDING REQUIREMENTS. SLIGHT ADJUSTMENTS MAY BE REQUIRED BASED ON EXISTING SITE CONDITIONS. THE CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS AS NEEDED AND INFORM THE CONSTRUCTION MANAGER OF ANY CONFLICTS.
2. SITE GROUNDING SHALL COMPLY WITH AT&T MOBILITY GROUNDING STANDARDS, LATEST EDITION, AND COMPLY WITH AT&T MOBILITY GROUNDING CHECKLIST, LATEST VERSION. WHEN NATIONAL AND LOCAL GROUNDING CODES ARE MORE STRINGENT THEY SHALL GOVERN.

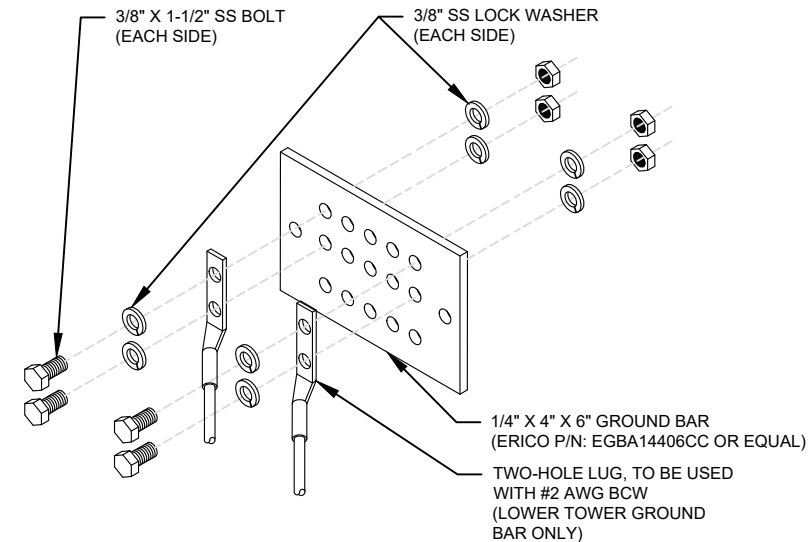
1 TYPICAL ANTENNA GROUNDING DIAGRAM
SCALE: N.T.S.



GROUND KIT NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
2. CONTRACTOR SHALL PROVIDE WEATHERPROOFING KIT (ANDREW PART NUMBER 221213) AND INSTALL/TAPE PER MANUFACTURER'S SPECIFICATIONS.

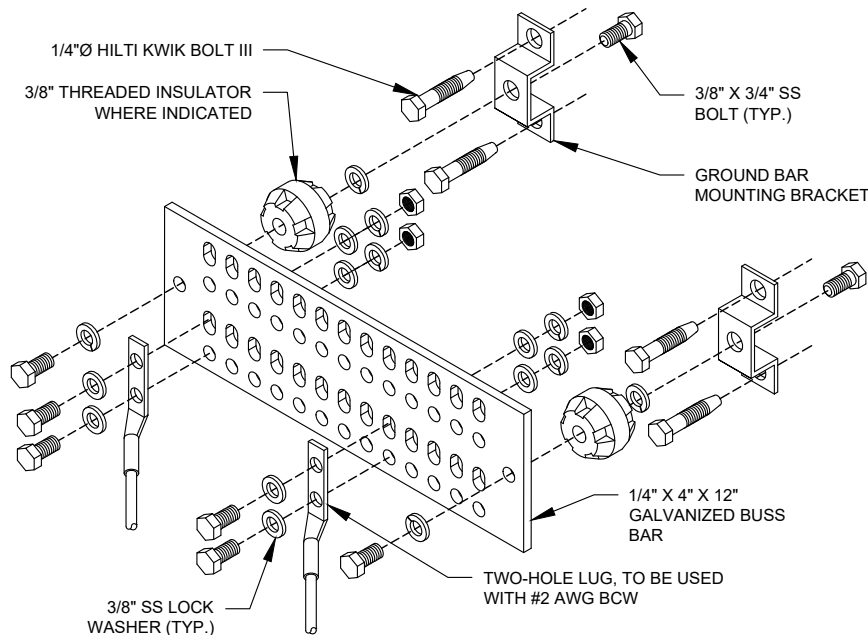
2 CABLE GROUND KIT CONNECTION DETAIL
SCALE: N.T.S.



GROUND BAR NOTES:

1. GROUND BAR KITS COME WITH ALL HARDWARE, NUTS, BOLTS, WASHERS, ETC. EXCEPT THE STRUCTURAL MOUNTING MEMBER(S).
2. GROUND BAR TO BE BONDED DIRECTLY TO TOWER.

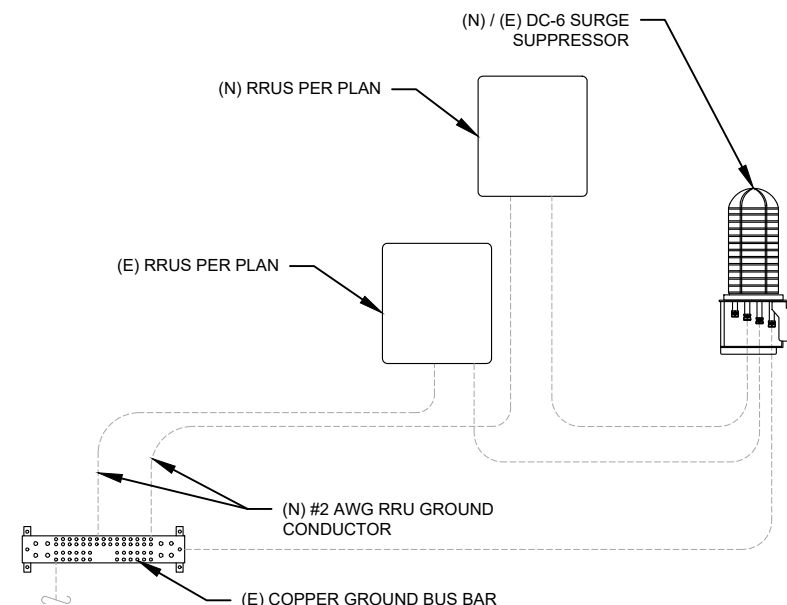
3 TOWER GROUND BAR DETAIL
SCALE: N.T.S.



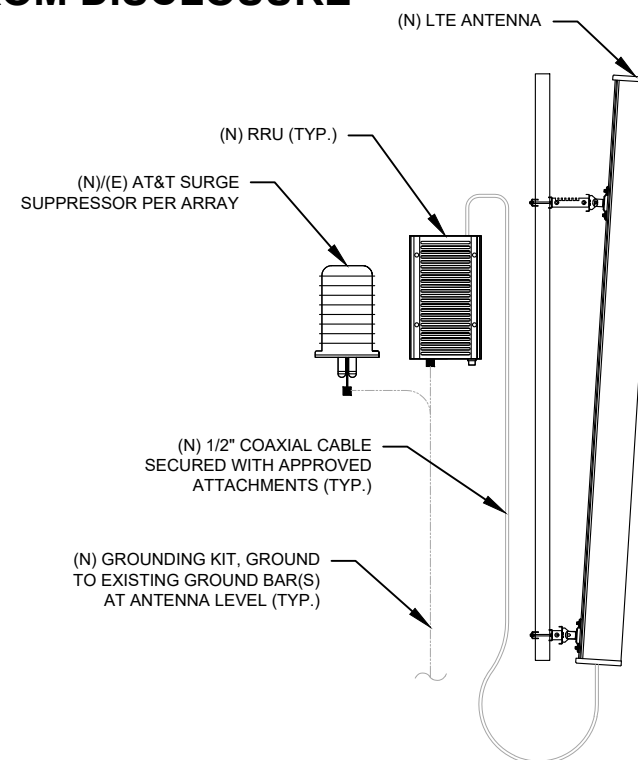
GROUND BAR NOTES

1. GROUND KITS COME WITH ALL HARDWARE, NUTS, BOLTS, WASHERS, ETC. EXCEPT THE STRUCTURAL MOUNTING MEMBER(S).
2. GROUND BAR SHALL BE BOLTED TO STRUCTURAL MEMBER OR ANCHORED TO CONCRETE SLAB W/ HILTI KWIK BOLT III.

4 MAIN GROUND BAR DETAIL
SCALE: N.T.S.



5 RRU GROUNDING
SCALE: N.T.S.



6 ANTENNA/RRU GROUNDING
SCALE: N.T.S.



PLANS PREPARED BY:



326 TRYON ROAD
RALEIGH, NC 27603-3530
OFFICE: (919) 661-6351
www.tepgroup.net

REV.	DESCRIPTION	BY	DATE
A	PRELIMINARY	APM	08/14/24
B	100% CONSTRUCTION	SSP	09/06/24

ATC SITE NUMBER: 416704

ATC SITE NAME: PRO FARMER UT

AT&T MOBILITY SITE NUMBER:

SIUT001351

AT&T MOBILITY SITE NAME:

PLEASANT GROVE & I-15 RELO

SITE ADDRESS:

1584 S 500 E

AMERICAN FORK, UT 84003-3314

SEAL:



DATE DRAWN:	09/06/24
ATC JOB NO:	14842351
CUSTOMER NAME:	PLEASANT GROVE & I-15 RELO
CUSTOMER ID:	SIUT001351

GROUNDING DETAILS

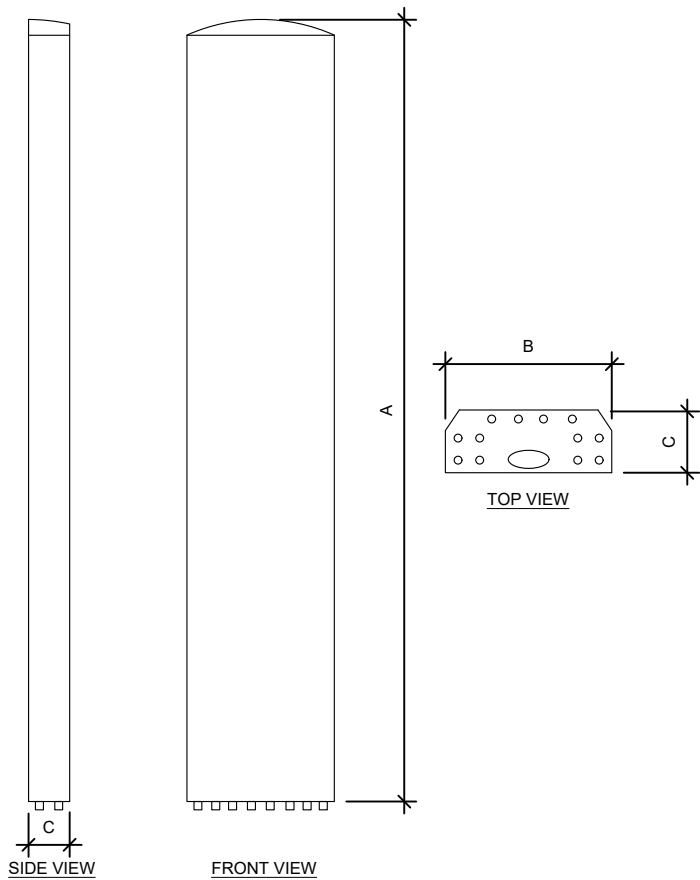
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E-501

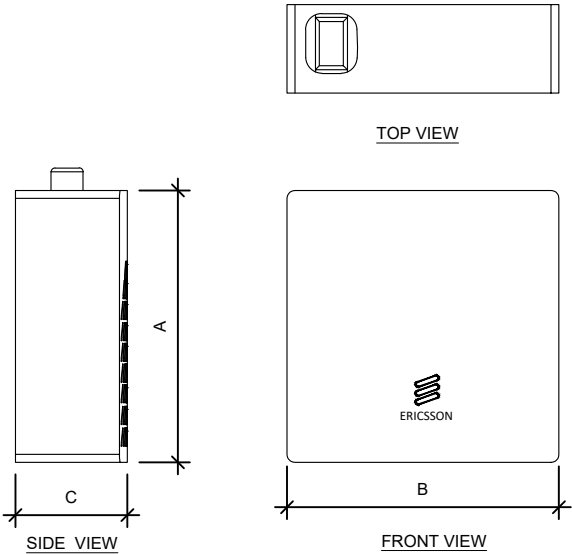
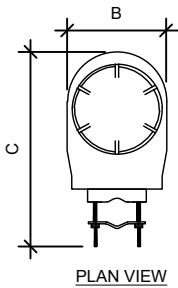
REVISION:

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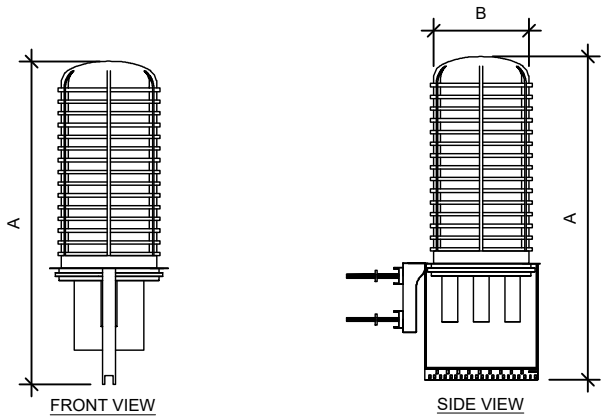
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ANTENNA SPECIFICATIONS				
ANTENNA MODEL	A	B	C	WEIGHT (LBS)
AIR 6419 B77G	28.3"	16.1"	7.9"	66.1
AIR 6419 B77D	31.2"	16.1"	9.1"	63.1



RRU SPECIFICATIONS				
RRU MODEL	A	B	C	WEIGHT (LBS)
RADIO 4890 B25/B66	20.6"	15.7"	7.2"	69.5
RADIO 4415 B30	16.5"	13.4"	5.9"	46.0
RADIO 4478 B14	16.5"	13.4"	7.7"	59.9
RADIO 4490 B5/B12	20.6"	15.7"	7"	68.4



RAYCAP SPECIFICATIONS				
RAYCAP MODEL	A	B	C	WEIGHT (LBS)
DC9-48-60-24-8C-EV	25.9"	12.4"	9.7"	18.5

SUPPLEMENTAL

SHEET NUMBER:

R-601

REVISION:

-

NETSURE™ 7100 SERIES

Stand Alone DC Power System



NETSURE™ 7100 SERIES



KEY FEATURES

- Developed for ease of use, enabling safe and quick power and load adjustments on live systems
- System features world leading power density rectifiers, enabling up to 63 kW applications with plenty of distribution space, all in a single footprint
- Individual current measurement feature displays current reading for each fuse/circuit breaker
- Remote IO terminals are easily and safely accessible for adding new alarm signals
- Cabinet efficiency >99,7% from rectifier output to distribution output enabling maximum system efficiency >96,2% from grid to load
- Remote battery management and load control functions minimize the dependency of reactive site call-outs



Highly scalable DC Power system with system range from 3,5 kW to 63 kW in a single cabinet that utilize minimal space. The NetSure 7100 series delivers affordable high power density with outstanding efficiency and system reliability.

Improving reliability

Where constant migration and change is the norm
The NetSure 7100 Series of -48V DC power systems delivers outstanding reliability within a modular, scalable stand-alone cabinet. Power can be scaled in 3,5 kW increments up to 63 kW, alternative up to 21 kW with room for battery back up in the same cabinet. Distribution units can be added, swapped or removed on live sites, making system expansions a standard procedure. Power supply extensions can be made safe-and-easy, without compromising reliability.

Minimizing energy loss

Save operating costs and non-renewable resources
The NetSure 7100 Series minimizes power conversion energy losses, reducing heat dissipation and lowering energy consumption — both on the power supply and the cooling system. Cabinet infrastructure efficiency is greater than 99,7% from rectifier output to breaker output with maximum system efficiency just over 96,2% from grid to load.

Securing availability

Instead of deploying costly excess capacity up-front
With intelligent load management there is no need to install excess capacity up-front to cover for load build-ups and potential overloads. Each load can be monitored and measured down to the distribution, fuse or circuit breaker level. Our NetSure controller displays actual load current utilization in relation to fuse/circuit breaker threshold levels. Site power and load can be added incrementally, at an optimal investment pace, without compromising system reliability and power availability.

Application

The stand-alone NetSure 7100 Series is the ideal solution for small telecom central office and data center sites requiring reliability and power availability in a small footprint. This single cabinet with embedded battery backup is well suited for replacing less power efficient solutions and wherever frequent load changes require continuous monitoring of individual loads.

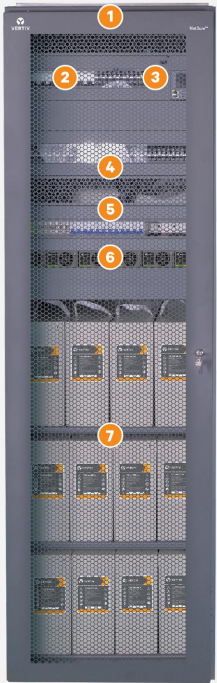
Technical Specifications

AC INPUT	
Range	Single phase: 85 VAC to 300 VAC (Nominal: 200 VAC to 240 VAC)
Line Frequency	50 or 60 Hz (45 Hz to 65 Hz)
Connections	Terminal or distribution for up to 18 circuit breakers
Surge Protection	Optional
DC OUTPUT	
Adjustable Range	-42 VDC to -58 VDC (Nominal: -48 VDC)
Power, Maximum	63 kW (18 x 3,5 kW rectifier modules)
Efficiency, Peak	96,3% eSure™ R48-3500e3 rectifier
DC SYSTEM UNITS	
Distribution Units	Available for circuit breakers, cartridge fuses, NH00 fuses, NH2 fuses
Circuit Breakers	From 2 A up to 200 A
Fuses	NH00 (up to 400 A) and NH2 (up to 400 A)
Intelligent Load Management	Optional, equipment for all distribution units
Battery Connections	4 x (300 A or 400 A) circuit breakers or fuses
Battery Shelves	Optional, up to 4 x 8 U
PHYSICAL CHARACTERISTICS	
Mounting	Top cabling
Dimensions (H x W x D)	2020 mm x 600 mm x 600 mm (per cabinet)
Weight	170 kg per cabinet (fully equipped)
Access and Security	Front access, IP20, door with lock as option
ENVIRONMENTAL	
Temperature Range, Operating	-5 °C to +60 °C (full power up to +40 °C)
Relative Humidity, Operating	<90%
Altitude	2000 m
Audible Noise	59dB for R48-3500e3
Ventilation	Forced ventilated (rectifier fans)
SAFETY AND STANDARDS COMPLIANCE	
Electrical	CE EN60950-1
EMC	EN 300 386-2, Class B
Environmental	REACH, RoHS 6

Ordering Information

MODEL NUMBER	PART NUMBER	DESCRIPTION
—	BMK220A11	Stand Alone NetSure 7100 DC power system, 42 kW
—	BMK220A12	Stand Alone NetSure 7100 DC power system, 63 kW
1R483500E3	BML440068/1	3,5 kW eSure rectifier, high efficiency
M830D	BMP903100/2	NetSure control unit (2 x 2 U front)

OVERVIEW



NetSure 7100 Stand Alone Cabinet

- 1 Screen Door
- 2 Battery Connection Unit
- 3 NetSure Control Unit
- 4 Load Distribution Unit
- 5 AC Distribution Unit
- 6 eSure Rectifiers
- 7 Battery Shelves

VertivCo.com | Emerson Network Power Limited, George Curl Way, Southampton, SO18 2RY, VAT Number: GB188146827

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EN328DRD-NS7100S / August 2018

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SUPPLEMENTAL

eSure™ Rectifier

R48-2000e3

VERTIV™

ESURE™ CONVERTER

VERTIV™

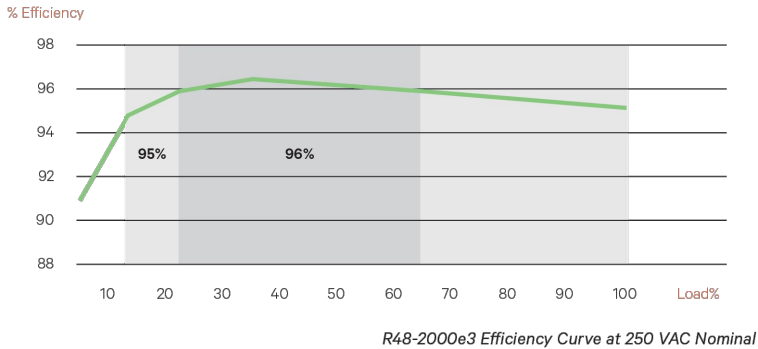
- Benefits
- Optimize the amount of energy delivered and reduce power consumption with over 96% efficiency.
 - Increase space for revenue generating equipment with modules that pack more power in a small space with high power density.
 - Facilitate easy maintenance, expansion and system changes with hot swappable capabilities.
 - Enjoy increased reliability and active load sharing with Digital Signal Processing (DSP) which translates into fewer components and optimized operation.
 - Appreciate the flexibility to utilize in a variety of applications with a wide input voltage range of 85 VAC to 300 VAC and full power output at temperatures from -40°C to +65°C.

In addition to reducing power consumption and lowering operating cost, eSure™ high-efficiency rectifiers offer superior performance and uncompromised reliability.

Description

The 2000 watt high-efficiency eSure rectifier (model R48-2000e3) converts standard AC supply voltages into stable nominal -48 VDC voltage that is adjustable to application needs. This constant power rectifier designed with the latest patented switch-mode technology, uses DSP (Digital Signal Processing) for efficient operation.

The R48-2000e3 can be connected in parallel with other rectifiers and converters to support a variety of telecom applications. Unified remote management and control of the power system is enabled when combined with a Vertiv™ controller.



Technical Specifications

DC INPUT	
Voltage	41 VDC to 58.5 VDC
Maximum Current	39.5 A
DC OUTPUT	
Voltage	24 VDC to 28 VDC
Maximum Power	1500 W @ Vout >24 VDC
Maximum Current	63 A @ 48-24 VDC, limit set point 6.3 to 63 A (see figure 1)
Peak Efficiency	>95%
Psophometric Noise (System)	<2 mV; <32 dBrnc
Temperature Derating	See figure 2
CONTROL AND MONITORING	
Rectifier Alarm and Signaling	Alarm and status reported via CAN bus to system controller
Visual Indications	Green LED: Normal Operation Yellow LED: Alarm Red LED: Failure Flashing Red LED: Fan Failure
ENVIRONMENTAL	
Operating	-40°C to +80°C / -40°F to +176°F
Storage	-40°C to +85°C / -40°F to +185°F
Relative Humidity	0 to 95%
Altitude	2000 m / 6560 ft at full power
STANDARDS COMPLIANCE	
Safety	60950 (EN, IEC and UL)
EMC	ETSI EN 300 386 class A, FCC CFR 47 Part 15 class A, Telcordia GR-1089-CORE class A
Environment	REACH, RoS, WEEE
MECHANICS	
Dimensions (H x W x D)	41 x 84.5 x 252.5 (mm) / 1.61 x 3.33 x 9.94 (inches)
Weight	113 kg / 249 lbs

Ordering Information

MODEL NUMBER	DESCRIPTION
1C48241 500	Converter, 48 to 24 VDC, 1500 W

Figures

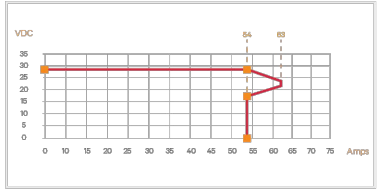


Figure 1:
Output voltage vs. Output current
at max. output power 1500 W

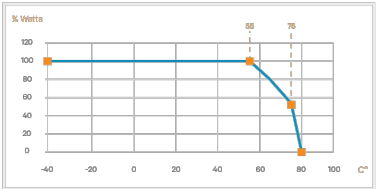


Figure 2:
Output Power vs. Temperature

ESURE™ CONVERTER

C48/24 -1500



ESURE™ CONVERTER



KEY FEATURES

Converter, 48 to 24 VDC, 1500 W

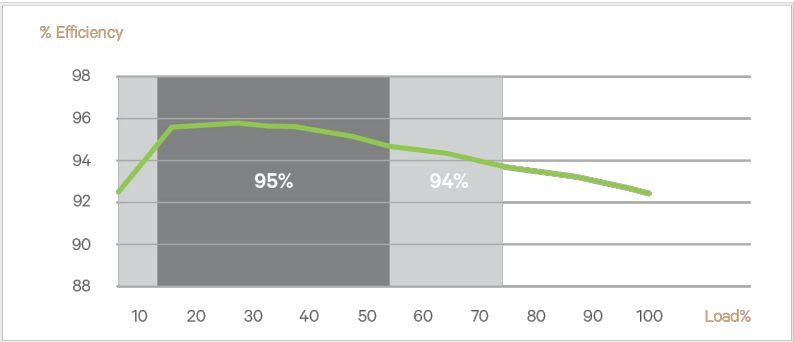
- High efficiency over 95% – reduces power consumption lowering operating costs
- High power density – provides more space for revenue generating equipment
- Hot pluggable and interchangeable – for easy expansions and maintenance
- Digital signal processing (DSP) – means fewer components, optimized operation and active load sharing for increased reliability
- Wide input voltage range (41 VDC to 58 VDC) – allows for flexibility, durability and resilience
- Wide operating temperature range from -40°C to +65° – meets the harshest climatic environment requirements
- Compliant with global standards – delivers quality, performance and reliability no matter what the application or location demands

In addition to reducing power consumption and lowering operating cost, eSure™ high-efficiency converters offer superior performance and uncompromised reliability.

Description

The eSure C48/24-1500 high-efficiency converter is designed to operate from a nominal 48 Vdc source to provide nominal 24 VDC load power, which is adjustable to application needs. This constant power converter designed with the latest patented switchmode technology, uses digital signal processing (DSP) for efficient operation.

When redundancy is critical or loads are high, multiple C48/24-1500 converters can be connected in parallel to support a variety of telecom applications. Unified remote management and control of the power system is enabled when combined with a Vertiv™ controller.



C48 24-1500 Efficiency Curve at 58 VDC Nominal

Technical Specifications

DC INPUT	
Voltage	41 VDC to 58.5 VDC
Maximum Current	39.5 A
DC OUTPUT	
Voltage	24 VDC to 28 VDC
Maximum Power	1500 W @ Vout >24 VDC
Maximum Current	63 A @ 48-24 VDC, limit set point 6.3 to 63 A (see figure 1)
Peak Efficiency	>95%
Psophometric Noise (System)	<2 mV; <32 dBnc
Temperature Derating	See figure 2
CONTROL AND MONITORING	
Rectifier Alarm and Signaling	Alarm and status reported via CAN bus to system controller
Visual Indications	Green LED: Normal Operation Yellow LED: Alarm Red LED: Failure Flashing Red LED: Fan Failure
ENVIRONMENTAL	
Operating	-40°C to +80°C / -40°F to +176°F
Storage	-40°C to +85°C / -40°F to +185°F
Relative Humidity	0 to 95%
Altitude	2000 m / 6560 ft at full power
STANDARDS COMPLIANCE	
Safety	60950 (EN, IEC and UL)
EMC	ETSI EN 300 386 class A, FCC CFR 47 Part 15 class A, Telcordia GR-1089-CORE class A
Environment	REACH, R5, WEEE
MECHANICS	
Dimensions (H x W x D)	41 x 84.5 x 252.5 (mm) / 1.61 x 3.33 x 9.94 (inches)
Weight	113 kg / 249 lbs

Ordering Information

MODEL NUMBER	DESCRIPTION
1C48241 500	Converter, 48 to 24 VDC, 1500 W

Figures

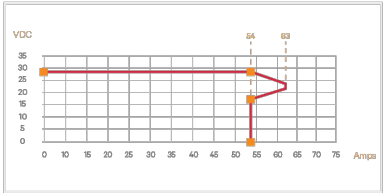


Figure 1:
Output voltage vs. Output current
at max. output power 1500 W

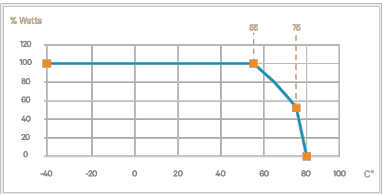


Figure 2:
Output Power vs. Temperature

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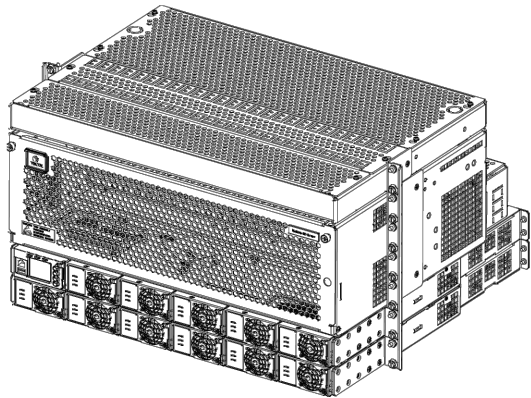
Vertiv™ NetSure™ DCS48/58-600 Converter System
System Application Guide



SYSTEM OVERVIEW

Description: -48 VDC to -58 VDC @ up to 600 Amperes Converter System

The Vertiv™ NetSure™ DCS48/58-600 Converter System is a complete integrated converter system containing -48 VDC to -58 VDC converters, intelligent control, metering, monitoring, and distribution. The converter system is designed for operation with the positive output grounded.



This system consists of the following components.

- DC Distribution Cabinet**

The base system includes one (1) distribution cabinet, which provides DC distribution through fuses and/or circuit breakers. The distribution cabinet can be equipped either with a 1-row, 26-position bullet nose type circuit breaker and TPS/TLS fuseholder distribution panel or a distribution panel equipped with four (4) GJ/218 type circuit breaker positions. The distribution cabinet may be equipped with a load disconnect contactor.

A field installed only expansion distribution cabinet is available which provides DC distribution through fuses and/or circuit breakers. The expansion distribution cabinet is equipped with a 1-row, 26-position bullet nose type circuit breaker and TPS/TLS fuseholder distribution panel. The expansion distribution cabinet may be equipped with a load disconnect contactor.
- Controller**

NCU (NetSure™ Control Unit) Controller: The NCU controller provides power system control, converter module control, metering functions, monitoring functions, local/remote alarm functions, and connections for binary inputs and programmable relay outputs. The system also accepts up to two (2) temperature probes to monitor ambient and/or battery temperature. The controller also provides data acquisition and system alarm management. The controller contains a color TFT display and keypad for local access. The controller provides an Ethernet port and comes with comprehensive webpages for local/remote access. The controller has SNMP V3 capability for remote system management. The controller supports software upgrade via its USB port. Refer to the NCU Controller Instructions (UM1M830BNA) for more information.
- Converter Module Mounting Shelf (Spec. No. 588705300)**

The system contains two (2) Spec. No. 588705300 converter module mounting shelves, each of which houses the converter modules. The top converter module mounting shelf also houses the NCU controller.

A field installed only expansion converter module mounting shelf is available. Up to two (2) expansion converter module mounting shelves can be installed in an existing system.
- 48 VDC to -58 VDC Converter Modules**

The system accepts 2000 watt peak, 1600 watt average converter modules to provide -58 VDC load power. Refer to the Converter Instructions (UM1C48582000P3) for more information.

Vertiv™ NetSure™ DCS48/58-600 Converter System
System Application Guide

General Converter Systems Specifications

See detailed specifications on page 41.

Family:	NetSure™
Spec. No.:	584641000
Model:	DCS48/58-600
DC Input Voltage:	Nominal -48 VDC (-41 VDC to -58.5 VDC).
DC Output Voltage:	Nominal -57 VDC, positive ground. Output voltage is adjustable from -56.0 VDC to -58.0 VDC via the system controller.
DC Output Capacity:	600 A, maximum
1C48582000P3 Converter Rating:	See UM1C48582000P3.
Agency Approval:	UL Listed to UL/CSA 62368-1 (cULus), Meets NEBS Level 1
Mounting Type:	Nominal 23" Relay Rack or Equipment Rack Mounting
Mounting Depth:	See "Overall Dimensions" on page 43.
Mounting Height:	See "Overall Dimensions" on page 43.
Access:	Front and Rear for Installation, Expansion, and Maintenance. Front for Operation.
Control:	Microprocessor
Color:	Faceplates: Textured Gray Other Surfaces: Bright Zinc
Environment:	-40 °C to +65 °C (-40 °F to +149 °F)

Energys Powersafe SBS 190F

Call 877.993.8855 or email: connect@alpinepowersystems.com for immediate assistance.



The Powersafe SBS 190F Front Terminal battery further extends the technical leadership of the Powersafe SBS 190F product range. Powersafe SBS 190F Front Terminal monoblocs retain the benefits of Thin Plate Pure Lead technology such as long life, high energy density superior shelf life.

Powersafe SBS 190F General Specifications:

- Number Of Cells:** 6
- Number of Voltages:** 12
- Nominal Capacity:**
 - 8hr rate 1.75Vpc @ 77°F: 190
 - 10hr rate 1.80Vpc @ 20°C: 190
- Nominal Dimensions:**
 - Length: 22.1 in, 561 mm
 - Width: 4.90 in, 125 mm
 - Height: 12.4 in, 316 mm
- Weight:** 132 lbs, 60.0 kg
- Short Circuit Current (Amps):** 3800
- Internal Resistance:** 3.30
- Electrolyte:**
 - Volume: 2.34 gal, 8.86 L
- Weight:** 25.3 lbs, 11.5 kg

NETSURE™ 48V VRLA BATTERY RACK



NETSURE™ 48V VRLA BATTERY RACK



KEY FEATURES

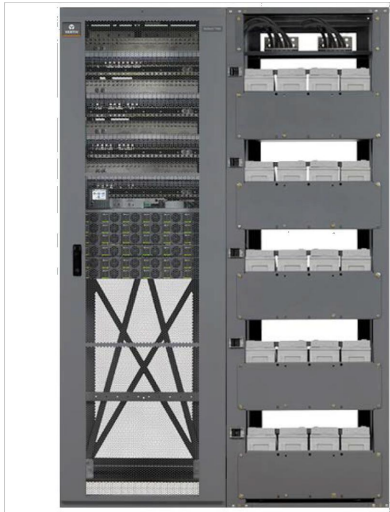
- Battery connection cables are supplied with factory installed lugs for easy installation
- Circuit breakers provide individual battery string disconnect with alarm
- Compatible with any DC power system for versatility
- Complies with industry standards: UL Listed and Seismic Zone 4 compliant

Compact, flexible design is Seismic Zone 4 rated and ideal for telecommunications facilities requiring modular battery plants.

Product Overview

The NetSure™ 48V VRLA Battery Rack provides back-up capacity up to 1050 amp-hours per bay for -48V applications. Model 48BA800 battery racks accommodate five strings of VRLA batteries in a four-post construction rack. Each string is available with 100 amp, 150 amp or 200 amp disconnect breakers.

When deploying equipment at greenfield sites or upgrading existing infrastructure, this rack can be integrated with a NetSure DC power system to deliver ample battery backup. The NetSure system is equipped with an NCU controller that controls low voltage battery disconnect and monitors battery recharge and discharge current. Battery life is maximized through monitoring and controlling battery voltage and current during charge cycles.



48V Battery Rack with NetSure™ 7100 DC Power System

Technical Specifications

DC OUTPUT	
Output Capacity	800 amps per bay
ENVIRONMENTAL	
Operating Ambient Temperature Range	-40°C to +40°C (-40°F to +104°F)
Storage Ambient Temperature Range	-40°C to +85°C (-40°F to +185°F)

Application

The NetSure™ 48V VRLA Battery Rack is designed for use in wireline and wireless communication systems installed in small offices, huts, CEVs and CUEs. It is also designed for use with NetSure DC power systems, and is compatible with most DC power equipment.

Additional Information

Additional specification, engineering and installation information may be obtained by requesting SAG588820400.



Single-Bay Battery Rack

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DC6-48-60-RM • DC12-48-60-RM

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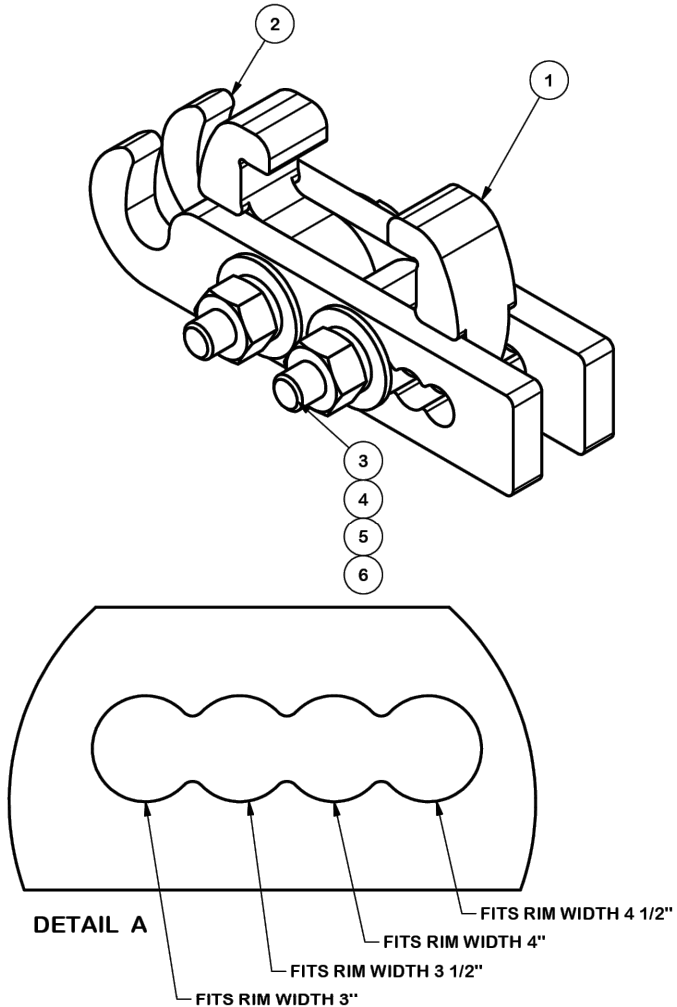
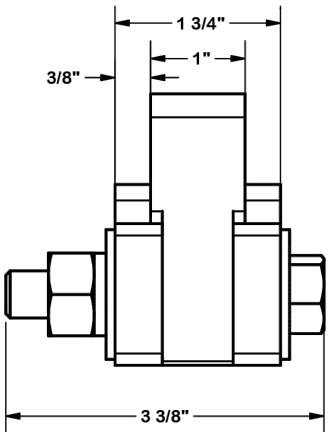
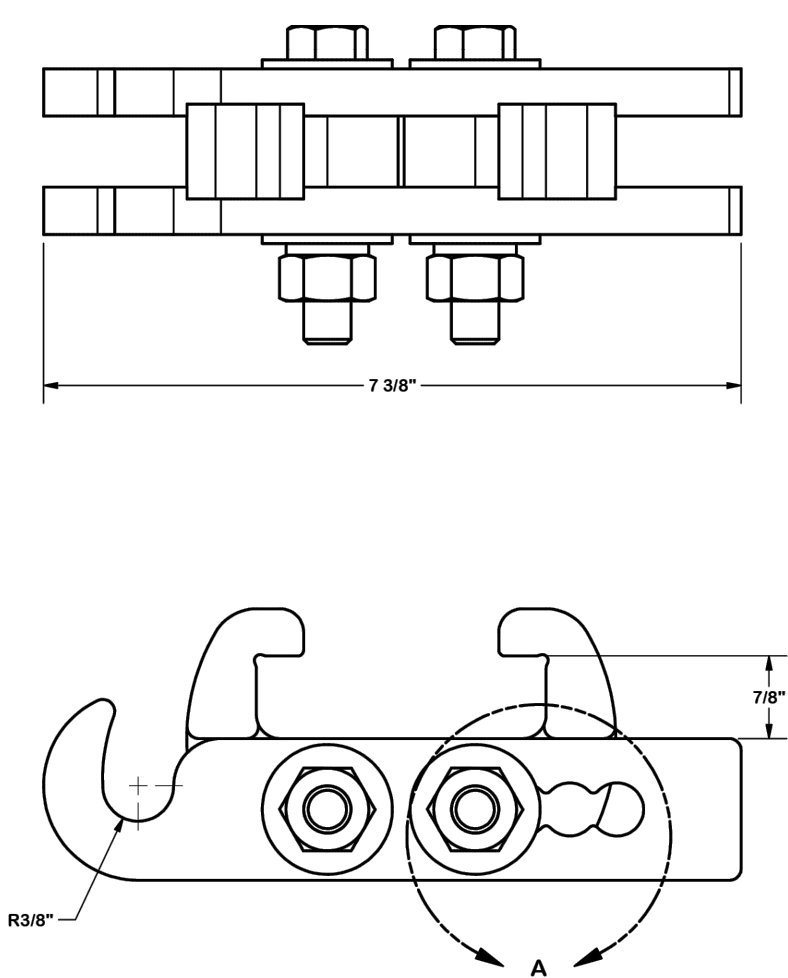
DC6-48-60-RM • DC12-48-60-RM

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G02-00-120 130626



PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	2	X-HHR-HANGH	1" MILL PLATE (A572 GR50)	12 in	1.14	2.29
2	2	X-HHR-HANGL	1/2" MILL PLATE (A572 GR.50)	12 in	1.34	2.68
3	2	G1203	1/2" x 3" HDG HEX BOLT GR5 FULL THREAD	3 in	0.22	0.43
4	4	G12FW	1/2" HDG USS FLATWASHER	3/32 in	0.03	0.14
5	2	G12LW	1/2" HDG LOCKWASHER	1/8 in	0.01	0.03
6	2	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	0.14

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

COAX HANGER BRACKET



Engineering
Support Team:
1-888-753-7446

Locations:
New York, NY
Atlanta, GA
Los Angeles, CA
Plymouth, IN
Salem, OR
Dallas, TX

A valmont COMPANY

CPD NO.

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PROPOSED SITE PRO HOISTING ANCHOR DETAIL

SCALE : N.T.S.

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SUPPLEMENTAL

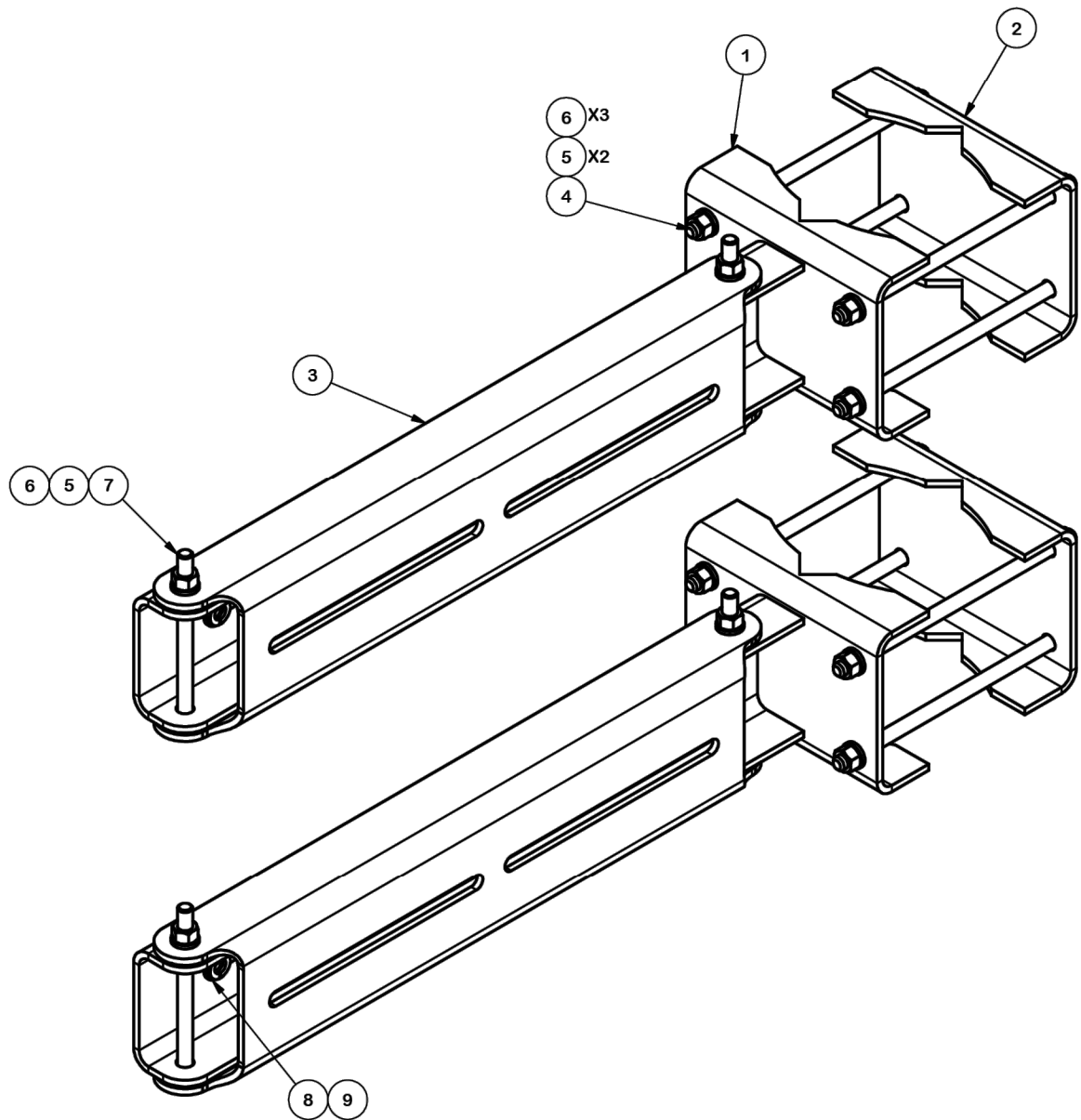
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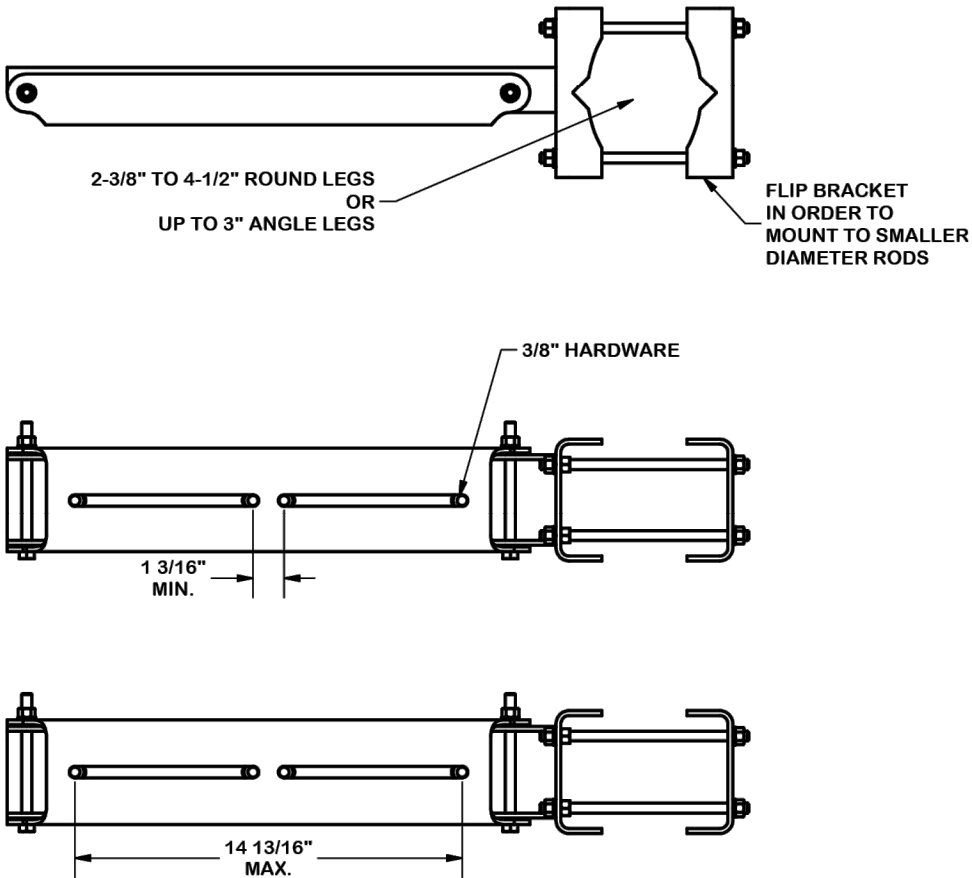
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PARTS LIST					
ITEM	QTY	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	2	MOUNTING ARM		8.99	17.97
2	2	CLAMP PLATE		2.35	4.69
3	2	SWIVEL MOUNT		6.65	13.30
4	8	3/8"-16 UNC X 8" GALV. THREADED ROD		0.25	2.00
5	20	3/8" GALV LOCK WASHER		0.01	0.13
6	28	3/8"-16 UNC GALV HEX NUT		0.02	0.52
7	4	3/8" X 5" GALV BOLT		0.18	0.71
8	8	3/8" SS FLAT WASHER		0.01	0.06
9	8	3/8" SS LOCK WASHER		0.01	0.05
TOTAL WT. #					39.43



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 THIS DRAWING 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

RRU
DUAL SWIVEL MOUNT

CPD NO.

DRAWN BY

CEK 1/12/2015

ENG. APPROVAL

CLASS

SUB

DRAWING USAGE

CHECKED BY

BMC 2/3/2015



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

PART NO.

RRUDSM

DWG. NO.

RRUDSM

PAGE
1 OF 1

1

PROPOSED SITE PRO RRU DUAL SWIVEL MOUNT DETAIL

SCALE : N.T.S.

NOTE: THIS SHEET WAS CREATED BY OTHERS AND PROVIDED AT THE REQUEST OF CUSTOMER WITHOUT EDIT.

SUPPLEMENTAL

SHEET NUMBER:

R-610

REVISION:

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