



RUTLAND REGIONAL PLANNING COMMISSION

RRPC REGIONAL COMMITTEE TUESDAY, NOVEMBER 21, 2023, 6:00 PM

MEETING DETAILS

Virtual: [Teams Meeting](#), ID: 224 634 587 902, Pass: dBEdSy | Call: 1-802-440-1368, ID: 641 278 173#

In-Person: The Opera House, 3rd Floor, 67 Merchants Row, Rutland, VT 05701

MEETING AGENDA

- 6:00 CALL TO ORDER & INTRODUCTIONS
- 6:02 APPROVAL OF NOVEMBER 21ST AGENDA
- 6:04 APPROVAL OF OCTOBER 17TH MINUTES
- 6:06 OPEN TO PUBLIC
- 6:10 SECTION 248
- [23-2845-AN](#) T-Mobile Northeast, LLC. – Wireless Communications Facility, 4563 Killington Road, Killington
- 6:30 ACT 250
- [JO 1-454](#) Zach Reich– Construct a small wedding venue on a 106-acre parcel of land, 649 Lamb Hill Road, Wells
 - [JO 1-453](#) Downtown Rutland Hotel and Residence- 7 story, 99-unit hotel with 26 residential apartment, 43 Center Street, Rutland
 - [1R1027](#) Housing Trust of Rutland County, Inc.- Marble Village Apartments project– 376, 398 & 416 Main St., West Rutland
 - [1R1025](#) Boondock Motors Inc.- 3.2-acre lot for commercial auto repair, towing and recovery, 670 Hollister Quarry Road, Pittsford
 - [1R0316-5A](#) Rutland AMA Realty Ventures, LLC- redevelopment of a Starbucks coffee shop – 165 US Route 7 South, Rutland Town
- 6:50 ADJOURN

Questions? Need special accommodations?
Contact: Devon Neary at devon@rutlandrpc.org or (802) 775-0871.



RUTLAND REGIONAL PLANNING COMMISSION

RRPC REGIONAL COMMITTEE TUESDAY, OCTOBER 17, 2023, 6:00 PM

MEETING DETAILS

Virtual: [Teams Meeting](#), ID: 224 634 587 902, Pass: dBEdSy | Call: 1-802-440-1368, ID: 641 278 173#

In-Person: The Opera House, 3rd Floor, 67 Merchants Row, Rutland, VT 05701

MEETING DETAILS

Committee Members: Fred Nicholson-Chair, Sarah Pelkey-Vice-Chair, Andy Salamon, John Sabotka, Robert Lloyd

Other: Devon Neary, Logan Solomon

MEETING MINUTES

1. CALL TO ORDER & INTRODUCTIONS

Meeting was called to order by Chair Nicholson at 6:15 PM.

2. APPROVAL OF OCTOBER 17TH AGENDA

Motion to approve the October 17, 2023 agenda by Schneider. Second by Pelkey. Approved by voice vote.

3. APPROVAL OF SEPTEMBER 19TH MINUTES

Motion to approve the September 19, 2023 minutes by Sabotka. Second by Lloyd. Approved by voice vote.

4. OPEN TO PUBLIC

None present.

5. SECTION 248

The committee reviewed a 60-day notice from T-Mobile Northeast, LLC. For the construction of a Wireless Communications Facility on 4563 Killington Road in Killington. Commissioner Salamon stated he would bring it before the Killington Planning Commission for review/comment. No action taken.

6. ACT 250

The committee reviewed two applications by the Housing Trust of Rutland County for a 22-Unit Residential Redevelopment on Columbian Avenue and 30-Unit Residential Construction on Forest Street. Both projects were considered “priority housing projects” and do not require an ACT250 permit. The group also reviewed a project from New England Woodcraft for the Construction of Underground Chamber System at 481 North Street in Brandon. Committee reviewed and thought it was a good example of a 3-acre rule stormwater treatment. Lastly, the committee reviewed a project from Majaco Killington, LLC. For an 8-lot subdivision of a 28 acre



RUTLAND REGIONAL PLANNING COMMISSION

parcel for the construction of 7 single family homes. The committee discussed potential issues with stormwater discharge, tree-clearing, and more. Commissioner Salamon will bring to Killington Planning Commission for review/comment. Committee will add this back on the agenda for next meeting.

7. ADJOURN

Meeting was adjourned at 6:50 PM.

DRAFT

Project Number	Application Type	Project Name	Town	Description	Status
JO 1-456	JO	Town of Killington Water Main	Killington	Municipal water main installation.	Received
JO 1-455	JO	Haystack Catering	Pawlet	Expanding catering and events business by building a dedicated catering kitchen on first floor of new building, with a yoga and wellness studio on the second floor.	JO issued
JO 1-454	JO	Zach Reich	Wells	Construct a small wedding venue on a 106-acre parcel of land, to include: use of the existing foundations and utilities from an onsite barn, equipment shed, and uncompleted sugar house to be reconstructed/repurposed as overnight guest housing accommodations (for potentially ~40 persons); construction of a wedding venue hall with bathrooms, large kitchen, bar, and open space for seating and dancing for up to ~150 guests (venue hall to be located in the vicinity of Lot B3, which was created in subdivision permit WW-1-1553); and construction of a parking lot. Project may also include revised subdivision and/or boundary line adjustments and construction of two residential houses.	JO issued
JO 1-453	JO	Downtown Rutland Hotel and Residence	Rutland City	7 story, 99-unit hotel with 26 residential apartment units on the 5th and 6th floors. The 7th floor will be a bar and restaurant. The lobby would also include a bar and restaurant, and there would be utilities and parking in the basement.	JO issued
JO 1-452	JO	Paramount Center Renovations	Rutland City	Revitalization of building(s) in downtown Rutland, Renovate Paramount Theatre and adjacent 4-story Richardson building. Paramount is a performing arts center and the Richardson building provides support spaces including offices, lobbies and restrooms.	JO issued

JO 1-451	JO	Town of Killington	Killington	Modify the three 500,000-gallon water storage tanks previously approved in the Master Plan decision to two 750,000-gallon tanks. The total size and gallonage remains the same; the tanks will be located in the same (previously approved) location, and the total site area for the tanks will also be unchanged.	JO issued
JO 1-444	JO	Camp Sunrise	Benson	Maintenance and reconstruction of camp buildings, pre-existing development.	JO issued
1R1027		Housing Trust of Rutland County, Inc.	West Rutland	<p>Marble Village Apartments project is the redevelopment of three vacant and blighted properties on Main Street in the state-designated Village Center of West Rutland. The existing buildings will be demolished and replaced with a new three-story 24-unit energy efficient apartment building with community gardens, green space, and a community patio space.</p> <p>The proposed building program consists of 17 one bedroom apartments, 5 two bedroom apartments and 2 studio apartments. 2 of the one bedroom apartments will be accessible, one of which will also include audio visual accessibility features. 1 two bedroom apartment will be accessible.</p> <p>Gross square footage is 21,400 square feet on three floors, 7,000 square feet footprint.</p>	Submitted

1R1025	Major	Boondock Motors Inc.	Pittsford	<p>Applicant seeks approval to conduct commercial operations on a 3.2-acre lot for commercial auto repair, towing and recovery services in Pittsford, Vermont. Pittsford is a so-called "1-acre town" and the commercial project is therefore subject to Act 250 jurisdiction. Applicant conducts repair operations Monday through Saturday between 7:00AM and 6:00PM with occasional repairs being performed (as needed) on Sundays. Towing/recovery services take place 7 days per week, 24 hours a day. Applicant also seeks approval for the installation of a replacement septic system (as permitted under WW-1-3583) and minor site modifications including landscaping and the construction of a privacy fence along the eastern property boundary line.</p> <p>A single-family residence on the property is excluded from this application.</p>	Pending (Hearing)
1R1002-1		Majaco Killington LLC	Killington	<p>The property was subject to LUP # 1R1002 which expired in August 2019. The new project is an eight (8) lot subdivision of a 28 acre parcel. Single family homes are planned to be constructed on seven (7) of the eight (8) lots at this time. A home is not planned for the eighth lot at this time. At which time a home is planned for the eighth lot an updated application would be submitted for approval. All of the planned seven (7) home sites will have direct driveway access to the existing town roads. A Stowe Club Highlands Analysis has been uploaded.</p>	Incomplete

1R0980(Altered)-1	Minor	Town of Killington	Killington	The project includes the following new and modified elements of a previously permitted water system: the installation of underground power to serve the previously approved high service pump station and well metering house, to include horizontal directional drilling below the river bed to the well house for installation of a water main and the electric conduit; the addition of a third well/water source, including installation of ancillary electric service, water line, and infrastructure; and the relocation of the high service pump station footprint and its access driveway.	Pending (Comment Period)
1R0949-2		James and Samantha Sheldon	Pawlet	The Applicants are seeking after-the-fact approval for modifications to the parking area, exterior lighting, and signage previously approved and conditioned in LUP 1R0949-1. Specifically, the modifications include the addition of two pole-mounted parking area lights, two building-mounted flags/signs, and the reconfiguration /reorientation of the parking lot footprint and parking spaces. No other modifications to the previously approved project or construction of improvements are proposed.	Incomplete
1R0335-9		Moon Ridge Home Owners Association, Inc.	Killington	The project is focused on an home owned by the Nicholson's within the existing Moon Ridge Development. The Nicholson's are the only single family home in the development and seek to construct a new (independent) wastewater system in order to disconnect from the community wastewater system to which they are currently connected. They have deeded access to a replacement wastewater area identified as X (area 10) on the approved plan. No modifications to the home are proposed at this time.	Incomplete

1R0316-5A		Rutland AMA Realty Ventures, LLC	Rutland Town	<p>Application seeks to amend prior permit issued for 1R0316-5, for the redevelopment of the former Friendly's restaurant property with a Starbucks coffee shop, to update minor building aesthetic and lighting related details that have resulted from additional planning with the building tenant. Primary modifications include changes in materials on the exterior, increasing the square footage of storefront windows, moving the roof access ladder, reduction in on building signage, and the addition of three illuminated (downlit) bollards and three non-illuminated bollards. Changes are discussed within the application.</p>	Pending (Major/Minor Determination)
1R0271-26	Minor	Omya Inc. Tailings Management Facility	Pittsford	<p>The Project involves the development of a new Tailings Management Facility (TMF) adjacent to the existing TMF, which is nearing capacity. Tailings are a byproduct of Omya's calcium carbonate production process. The new TMF will be located entirely on Omya's property in an area characterized by the existing TMF as well as other, long-closed tailings management areas. The new TMF is expected to provide at least 25 additional years of on-site tailings storage. The new TMF, like the existing TMF, will be managed under the Vermont Solid Waste Management Rules (2020) in accordance with a facility certification from DEC Waste Management Division for which Omya has applied.</p>	Permit
1R0206-3	Minor	Green Mountain Development Group, Inc.	Rutland City	<p>The Project consists of the rehabilitation of the 22 existing rental homes located at 101 Mahoney Drive in Rutland, Vermont. The project will involve upgrading the building envelope, HVAC systems, and accessibility features.</p> <p>There will be no change to the property use, the number or size of buildings, lots, or roadways, with de minimis changes to impervious surfaces (less than 500 new sf of impervious surface).</p>	Pending (Comment Period)

1R0166-12	Major/Minor	Mountain Top Inn	Chittenden	<p>improvements previously undertaken; proposed construction of improvements to be undertaken; and increased occupancies and frequencies of use corresponding to the combined permitted usages as specified in the State of Vermont ANR operating permits. Specifically, the application seeks approval for the following:</p> <ul style="list-style-type: none"> • Construction of a supplemental water source/system (well D, to replace existing well A); • Removal and remediation of prior improvements to the rope tow; • Relocation of the trash and recycling area; • Resurfacing/paving and expansion of existing [dirt] parking lots; • Installation of a stormwater treatment system for runoff from parking lot improvements and expansion; • Renovations to (demolition and reconstruction on existing footprint) and change of use of Horseshoe Cabin (from staff housing to three (3) commercial residential living units serving up to six (6) guests); • Installation of a wastewater (“WW”) system; • Construction of a well pump house (for water system improvements authorized in LUP 1R0166-13); and • Increased usage of the Inn and Wedding Barn and 	Pending (Hearing)
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August 17, 2023

To: Parties on attached Service List

Re: 60-Day Advance Notice of Intent to Apply for a Certificate of Public Good Pursuant to 30 V.S.A. § 248a (“**Section 248a**”)

Applicant: T-Mobile Northeast, LLC (“**T-Mobile**”)

Project: Wireless Communications Facility at 4563 Killington Road, Killington, VT

Site Number: 4RV0827A

Dear Party on attached Service List:

Prince Lobel Tye LLP (“**Prince Lobel**”) represents T-Mobile in connection with T-Mobile’s intent to file an application with the Vermont Public Utility Commission (the “**PUC**”), under the provisions of Section 248a, for a Certificate of Public Good to allow the construction and installation of a new communications support structure and wireless communications facility (as described below, the “**Facility**” or “**Project**”) on property located at 4563 Killington Road, Killington, Vermont (the “**Property**” or “**Site**”), on land owned by Killington/Pico Ski Resort Partners, LLC, a Delaware limited liability company. Pursuant to Section 248a, T-Mobile must provide written notice, at least sixty (60) days in advance of filing a Section 248a application, to specified parties (see attached Service List).

The application will be filed pursuant to the Order Adopting Revised Standards and Procedures Implementing 30 V.S.A. §248a, issued by the PUC on January 18, 2023 (the “**Procedures Order**”) and the Standards and Procedures Applicable to Electronic Filing Using ePUC, effective January 17, 2017 (“**ePUC Procedures**”). The Procedures Order, ePUC Procedures and additional information regarding the review of communications projects under Section 248a, can be found on the PUC’s website: <https://puc.vermont.gov> and from the Clerk of the PUC at puc.clerk@vermont.gov. Documents filed with the ePUC are available electronically through the PUC’s website at <http://epuc.vermont.gov>.

In accordance with the Procedures Order, attached to this notice is a statement which itemizes the rights and opportunities available to municipalities and planning officials pursuant to §§ 248a(c)(2), (e)(2), (m), (n), (o), and (p), See Exhibit A.

Project Description

T-Mobile is proposing to develop a new wooden utility pole located at the Property to replace its facility that was located on the roof of the Killington Base Lodge, which has now been decommissioned.

The proposed Facility at the Property will generally consist of the following components:

1. An approximately 88’ above ground level Class 1, Southern Yellow Pine Wood Utility Pole (the “**Pole**” or “**Proposed Pole**”), to be installed adjacent to other existing utility poles along Killington Road, near the base of the access road leading to the base lodge. See Exhibit B, Sheets C-2 and C-3.
2. Three (3) panel antennas (1 per sector), measuring approximately 95.9” x 23.5” x 7.10” to be installed at a height of 85’, with three (3) remote radio head units (“**RRUs**”), power and fiber attachments, and equipment cabinet to be installed lower on the Pole. See Exhibit B, Sheets C-3 and A-1.

Prince Lobel Tye LLP
One International Place
Suite 3700
Boston, MA 02110
TEL: 617 456 8000
FAX: 617 456 8100

3. Four (4) bollards installed in the ground two (2) on either side of the Pole. See Sheet A-2 for bollard detail.
4. Utilities (power and fiber optic cable) extending from an existing utility pole located within the vicinity of the Proposed Pole along Killington Road.
5. Ancillary improvements and other appurtenances located within the Project Site, all necessary for the operation of the Facility.

Each feature of the Facility is described in more detail on the Site Plan attached as Exhibit B.

The Project will result in minimal disturbance to the immediate and surrounding area and the existing natural vegetation and other features of the Property are proposed to remain. The Project is expected to result in less than 100 square feet of permanent earth disturbance. Based on the minimal level of disturbance and the height of the Pole the Project qualifies as a project of limited size and scope under Section 248a(b)(4).

Finally, pursuant to Section 248a(c)(3), if the proposed facility relates to the provision of wireless service, the applicant must show that the proposed facility reasonably cannot be co-located on or at an existing telecommunications facility, or such co-location would cause an undue adverse effect on aesthetics. In this case, as part of the design for this project, T-Mobile RF engineers evaluated existing telecommunications facilities and existing structures for possible co-location opportunities. No such facilities or structures in the area allow T-Mobile to meet its objectives of this Site, namely providing the necessary capacity and coverage expectations of its customers. The Project will replace the decommissioned facility at the base lodge and improve wireless service in the area.

Please feel free to contact me if you have any questions or comments about the proposed Project. If possible, please submit comments within 30 days of your receipt of this letter so that we may properly consider such comments prior to our filing of the petition. Please direct all inquiries and/or comments to Adam Braillard at 617-456-8153 or email to abraillard@princelobel.com.

As a recipient of this notice, you will be notified when the petition is filed with the PUC, which will be at least 60 days and no longer than 180 days from the date the PUC receives this notice. You will then have 30 days from receipt of that notification to file comments, a motion to intervene or request a hearing with the PUC. Please review Exhibit A for additional information and procedures.

Thank you in advance for your attention to this matter.

Sincerely,



Adam F. Braillard

Direct: 617-456-8153

Email: abraillard@princelobel.com

Service List

Statutory Parties: Municipal/Regional/State Officials and Representatives

<p>Via Email Killington Selectboard c/o Michael Ramsey, Town Manager 2706 River Road, P.O. Box 429 Killington, VT 05751 Email: townmanager@killingtontown.com</p>	<p>Via Email Killington Planning Commission c/o Jim Haff, Interim Zoning Administrator & Michael Ramsey, Town Manager 2706 River Road, P.O. Box 429 Killington, VT 05751 Email: townplanner@killington.com Email: townmanager@killington.com</p>
<p>Via Email Rutland Regional Planning Commission Attn: Devon Neary, Executive Director 67 Merchants Row Rutland, VT 05701 Email: Devon@rutlandrpc.org</p>	
<p>Vermont Public Utility Commission (via ePUC)</p>	<p>Vermont Agency of Transportation (via ePUC)</p>
<p>Vermont Agency of Natural Resources (via ePUC)</p>	<p>Vermont Division for Historic Preservation (via ePUC)</p>
<p>Vermont Department of Public Service (via ePUC)</p>	<p>Director of Public Advocacy of the Vermont Department of Public Service (via ePUC)</p>

Statutory Parties: Landowners (via U.S. Mail)

<p>Parcel ID: 36-014-001 Killington/Pico Ski Resort Partners LLC c/o Keiki Sierman 4763 Killington Road Killington, VT 05751</p>	<p>Parcel ID: 36-014-001 SP Land Company LLC P.O. Box 290 Killington, VT 05751</p>
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Adjoining Landowners (via U.S. Mail)

<p>Parcel IDs: 35-001-000 and 36-11C-000 SP Land Company LLC P.O. Box 290 Killington, VT 05751</p>	<p>Parcel ID: 28-001-000 Pico Pond, LLC c/o Margaret McBride 725 Rocky Hollow Drive Akron, OH, 44313</p>
<p>Parcel ID: 36-13A-000 Seibert-Breen Caren 141 Rockaway Rd. Lebanon, NJ 08833</p>	<p>Parcel ID: 36-13B-000 Grand Summit Resort Hotel 228 East Mountain Rd. Killington, VT 05751</p>

Exhibit A

In accordance with 30 V.S.A. § 248a(e) and the Order Adopting Revised Standards and Procedures Implementing 30 V.S.A. §248a, issued by the PUC on January 18, 2023, the following statement itemizes the rights and opportunities available to the legislative body (the Selectboard) and the planning commission of the municipality in which the project is to be located, under Sections 248a§(c)(2), (2), (m), (n), (o) and (p).

- Pursuant to (c)(2):

Unless there is a good cause to find otherwise, substantial deference has been given to the plans of the affected municipalities; to the recommendations of the municipal legislative bodies and the municipal planning commissions regarding the municipal plans; and to the recommendations of the regional planning commission concerning the regional plan. Nothing in this section or other provision of the law shall prevent a municipal body from basing its recommendations to which substantial deference is required under this subdivision (2) on an ordinance adopted under 24 V.S.A. §2291 (19) or bylaw adopted under 24 V.S.A. Chapter 117 by the municipality in which the facility is located. A rebuttable presumption respecting compliance with the applicable plan shall be created by letter from an affected municipal legislative body or municipal planning commission concerning compliance with the municipal plan and by a letter from a regional planning commission concerning compliance with the regional plan.

- Pursuant to (e)(2):

On the request of the municipal legislative body or the planning commission, the applicant shall attend a public meeting with the municipal legislative body or the planning commission, or both, within the 60-day notice period before filing an application for a certificate of public good. The Department of Public Service shall attend the public meeting on the request of the municipality. The Department shall consider the comments made and the information obtained at the meeting in making recommendations to the Commission on the application and in determining whether to retain additional personnel under subsection (o) of this section.

- Pursuant to (m):

Municipal bodies; participation. The legislative body and the planning commission for the municipality in which a telecommunications facility is located shall have the right to appear and participate on any application under this section seeking a certificate of public good for the facility.

- Pursuant to (n):

Municipal recommendations. The Commission shall consider comments and recommendations submitted by the municipal legislative body and planning commission. The Commission's decision to issue or deny a certificate of public good shall include a detailed written response to each recommendation of the municipal legislative body and planning commission.

- Pursuant to (o):

Retention; experts. The Department of Public Service may retain experts and other personnel as identified in section 20 of this title to provide information essential to a full consideration of an application for a certificate of public good under this section. The Department may allocate the expenses incurred in

retaining these personnel to the applicant in accordance with Section 21 of this title. The Department may commence retention of these personnel once the applicant has filed the 60-day notice under subsection (e) of this section. A municipal legislative body or planning commission may request that the Department retain these personnel. Granting such a request shall not oblige the Department or the personnel it retains to agree with the position of the municipality.

- Pursuant to (p):

Review process; guide. Each legislative body and planning commission is hereby informed of the existence of the Guide to the Section 248a Process for the Siting and Deployment of Telecommunications Facilities, available through the Vermont Department of Public Service's website at: https://publicservice.vermont.gov/sites/dps/files/documents/Pubs_Plans_Reports/Legislative_Reports/Public%20Guide%20248a.pdf. The purpose of the Guide is to explain the process of reviewing telecommunication facilities under Section 248a for use by local governments, regional planning commissions and members of the public who seek to participate in the process. Additional documents of potential assistance include:

- https://puc.vermont.gov/sites/psbnew/files/doc_library/citizens-guide.pdf
- https://puc.vermont.gov/sites/psbnew/files/doc_library/public-participation-and-intervention.pdf
- https://puc.vermont.gov/sites/psbnew/files/doc_library/wireless-communications-facilities-section-248a_2.pdf
- <https://vermontstandardoffer.com/wp-content/uploads/2023/01/22-5122-INV-order-adopting-standards-procedures-final.pdf>

Exhibit B

See attached site plan

NOTE TO GENERAL CONTRACTOR:
 NO WORK IS TO BE PERFORMED ON THIS SITE WITHOUT REVIEW OF THE APPROVED STRUCTURAL ANALYSIS. IF ANY DISCREPANCIES ARE FOUND, THE GENERAL CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING. AT NO TIME WILL ANY ADDITIONAL ANTENNAS BE INSTALLED WITHOUT WRITTEN CONSENT FROM TOWER/BUILDING ENGINEER.



T-MOBILE NORTHEAST LLC

SITE NUMBER: 4RV0827A

SITE NAME: RV827/KILLNGTNBASELODGE 1

T-MOBILE ANCHOR INSTALLATION, DESIGN 67E998E

4563 KILLINGTON ROAD
 KILLINGTON, VT 05751
 TOWN OF KILLINGTON
 RUTLAND COUNTY

NB+C
TOTALLY COMMITTED.
 NB+C ENGINEERING SERVICES, LLC.
 100 APOLLO DRIVE, SUITE 303
 CHELMSFORD, MA 01824
 (978) 856-8308

T-Mobile
 T-MOBILE NORTHEAST LLC
 15 COMMERCE WAY, SUITE B
 NORTON, MA 02766
 OFFICE: (508) 286-2700
 FAX: (508) 286-2893

4RV0827A
 RV827/KILLNGTNBASELODGE 1
 4563 KILLINGTON ROAD
 KILLINGTON, VT 05751
 RUTLAND COUNTY

REVISIONS			
REV	DATE	DESCRIPTION	BY
0	07/18/23	ISSUED FOR CONSTRUCTION	SW



DANIEL J. CORNING, P.E.
 VT PROFESSIONAL ENGINEER LIC #134458

TITLE SHEET

T-1

SITE INFORMATION

LATITUDE (NAD 83): 43.618520°
 LONGITUDE (NAD 83): -72.801385°
 CONSTRUCTION TYPE: IIB
 USE GROUP: U
 STRUCTURE OWNER: SP LAND COMPANY
 PO BOX 290
 KILLINGTON, VT 05751
 PARCEL NUMBER: 13638
 PARCEL OWNER: SP LAND COMPANY
 PO BOX 290
 KILLINGTON, VT 05751
 STRUCTURE TYPE: WOOD POLE
 STRUCTURE HEIGHT: 88.0'

VICINITY MAP



SCOPE OF WORK

PROJECT CONSISTS OF INSTALLING (1) PROPOSED UTILITY POLE, (1) PROPOSED EQUIPMENT CABINET, (1) PROPOSED BATTERY CABINET, (3) PROPOSED ANTENNAS, (3) PROPOSED RRUS, AND (2) PROPOSED 6x24 HYBRID CABLES TO A PROPOSED WIRELESS TELECOMMUNICATIONS FACILITY.

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE LATEST EDITIONS OF THE FOLLOWING CODES.

- 2015 INTERNATIONAL BUILDING CODE
- 2020 NATIONAL ELECTRICAL CODE
- NFPA 1 FIRE CODE, 2015 EDITION
- NFPA 101 LIFE SAFETY CODE, 2015 EDITION
- AMERICAN CONCRETE INSTITUTE
- AMERICAN INSTITUTE OF STEEL CONSTRUCTION
- MANUAL OF STEEL CONSTRUCTION 13TH EDITION
- ANSI/TIA-222-G
- TIA 607
- INSTITUTE FOR ELECTRICAL & ELECTRONICS ENGINEER 81
- IEEE C2 NATIONAL ELECTRIC SAFETY CODE LATEST EDITION
- TELECORDIA GR-1275
- ANSI/T 311

DRAWING INDEX

- T-1 TITLE SHEET
- GN-1 GENERAL NOTES
- C-1 PLOT PLAN
- C-2 SITE PLAN & EQUIPMENT PLAN
- C-3 ELEVATION
- A-1 ANTENNA ORIENTATION PLAN & SCHEDULE
- A-2 EQUIPMENT SPECIFICATIONS & DETAILS
- A-3 ANTENNA & RRH MOUNTING DETAILS
- A-4 CABLING DETAIL
- E-1 ELECTRICAL PLAN
- E-2 ELECTRICAL DETAILS
- G-1 GROUNDING DETAILS

DO NOT SCALE DRAWINGS

THESE DRAWINGS ARE FORMATTED TO BE SCALED AT FULL SIZE (22"X34") AND MAY NOT SCALE WHEN PRINTED AT OTHER SIZES. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE DESIGNER / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR MATERIAL ORDERS OR BE RESPONSIBLE FOR THE SAME. CONTRACTOR SHALL USE BEST MANAGEMENT PRACTICE TO PREVENT STORM WATER POLLUTION DURING CONSTRUCTION.

APPROVAL BLOCK

	DATE	APPROVED	APPROVED AS NOTED	DISAPPROVED/REVISE
PROPERTY OWNER	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SITE ACQUISITION	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CONSTRUCTION MANAGER	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ZONING	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
RF ENGINEER	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PROJECT TEAM

APPLICANT: T-MOBILE NORTHEAST LLC
 15 COMMERCE WAY, SUITE B
 NORTON, MA 02766
 OFFICE: (508) 286-2700
 FAX: (508) 286-2893
 PROJECT MANAGEMENT FIRM: NETWORK BUILDING + CONSULTING, LLC.
 100 APOLLO DRIVE, SUITE 303
 CHELMSFORD, MA 01824
 ENGINEERING FIRM: NB+C ENGINEERING SERVICES, LLC.
 100 APOLLO DRIVE, SUITE 303
 CHELMSFORD, MA 01824

ELECTRICAL & GROUNDING NOTES

- ALL ELECTRICAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC) AS WELL AS APPLICABLE STATE AND LOCAL CODES.
- ALL ELECTRICAL ITEMS SHALL BE U.L. APPROVED OR LISTED AND PROCURED PER SPECIFICATION REQUIREMENTS.
- THE ELECTRICAL WORK INCLUDES ALL LABOR AND MATERIAL DESCRIBED BY DRAWINGS AND SPECIFICATION INCLUDING INCIDENTAL WORK TO PROVIDE COMPLETE OPERATING AND APPROVED ELECTRICAL SYSTEM.
- GENERAL CONTRACTOR SHALL PAY FEES FOR PERMITS, AND IS RESPONSIBLE FOR OBTAINING SAID PERMITS AND COORDINATION OF INSPECTIONS.
- ELECTRICAL AND TELCO WIRING AT EXPOSED INDOOR LOCATIONS SHALL BE IN ELECTRICAL METALLIC TUBING OR RIGID NONMETALLIC TUBING (RIGID SCHEDULE 40 PVC OR RIGID SCHEDULE 80 PVC FOR LOCATIONS SUBJECT TO PHYSICAL DAMAGE) (AS PERMITTED BY CODE).
- ELECTRICAL AND TELCO WIRING AT CONCEALED INDOOR LOCATIONS SHALL BE IN ELECTRICAL METALLIC TUBING, ELECTRICAL NONMETALLIC TUBING, OR RIGID NONMETALLIC TUBING (RIGID SCHEDULE 40 PVC AS PERMITTED BY CODE).
- ELECTRICAL AND TELCO WIRING OUTSIDE A BUILDING, ABOVE GRADE AND EXPOSED TO WEATHER SHALL BE IN WATER TIGHT GALVANIZED RIGID STEEL CONDUITS (RGS) AND WHERE REQUIRED IN LIQUID TIGHT FLEXIBLE METAL OR NONMETALLIC CONDUITS.
- BURIED CONDUIT SHALL BE RIGID NONMETALLIC CONDUIT (RIGID SCHEDULE 40 PVC); DIRECT BURIED IN AREAS OF OCCASIONAL LIGHT TRAFFIC, ENCASED IN REINFORCED CONCRETE IN AREAS OF HEAVY TRAFFIC.
- LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT SHALL BE USED INDOORS AND OUTDOORS IN AREAS WHERE VIBRATION OCCURS AND FLEXIBILITY IS NEEDED.
- ELECTRICAL WIRING SHALL BE COPPER WITH TYPE THHN, THWN-2, OR THIN INSULATION.
- RUN ELECTRICAL CONDUIT OR CABLE BETWEEN ELECTRICAL UTILITY DEMARCATION POINT AND PROJECT OWNER CELL SITE PPC AS INDICATED ON THIS DRAWING. PROVIDE FULL LENGTH PULL ROPE. COORDINATE INSTALLATION WITH UTILITY COMPANY.
- RUN TELCO CONDUIT OR CABLE BETWEEN TELEPHONE UTILITY DEMARCATION POINT AND PROJECT OWNER CELL SITE TELCO CABINET AND BTS CABINET AS INDICATED ON THIS DRAWING. PROVIDE FULL LENGTH PULL ROPE IN INSTALLED TELCO CONDUIT. PROVIDE GREENLEE CONDUIT MEASURING TAPE AT EACH END.
- ALL EQUIPMENT LOCATED OUTSIDE SHALL HAVE NEMA 3R ENCLOSURE.
- GROUNDING SHALL COMPLY WITH NEC ART. 250. ADDITIONALLY, GROUNDING, BONDING AND LIGHTING PROTECTION SHALL BE DONE IN ACCORDANCE WITH T-MOBILE CELL SITE GROUNDING STANDARDS.
- GROUND CABLE SHIELDS MINIMUM AT BOTH ENDS USING MANUFACTURERS CABLE GROUNDING KITS SUPPLIED BY PROJECT OWNER.
- INSTALL #2 AWG GREEN-INSULATED STRANDED WIRE FOR ABOVE GRADE GROUNDING AND #2 BARE TINNED COPPER WIRE FOR BELOW GRADE GROUNDING UNLESS OTHERWISE NOTED.
- ALL POWER AND GROUND CONNECTIONS TO BE CRIMP-STYLE, COMPRESSION WIRE LUGS AND WIRE NUTS BY HARGER (OR APPROVED EQUAL) RATED FOR OPERATION AT NO LESS THAN 75°C OR CADWELD EXOTHERMIC WELD. DO NOT ALLOW BARE COPPER WIRE TO BE IN CONTACT WITH GALVANIZED STEEL.
- ROUTE GROUNDING CONDUCTORS ALONG THE SHORTEST AND STRAIGHTEST PATH POSSIBLE, EXCEPT AS OTHERWISE INDICATED. GROUNDING LEADS SHOULD NEVER BE BENT AT RIGHT ANGLE. ALWAYS MAKE AT LEAST 12" RADIUS BENDS. #6 WIRE CAN BE BENT AT 6" RADIUS WHEN NECESSARY. BOND ANY METAL OBJECTS WITHIN 6 FEET OF PROJECT OWNER EQUIPMENT OR CABINET TO MASTER GROUND BAR OR GROUNDING RING.
- CONNECTIONS TO GROUND BARS SHALL BE MADE WITH TWO HOLE COMPRESSION TYPE COPPER LUGS. APPLY OXIDE INHIBITING COMPOUND TO ALL LOCATIONS.
- APPLY OXIDE INHIBITING COMPOUND TO ALL MECHANICAL GROUND CONNECTIONS.
- CONTRACTOR SHALL PROVIDE AND INSTALL OMNI DIRECTIONAL ELECTRONIC MARKER SYSTEM (EMS) BALLS OVER EACH GROUND ROD AND BONDING POINT BETWEEN EXISTING TOWER/ MONOPOLE GROUNDING RING AND EQUIPMENT GROUNDING RING.
- CONTRACTOR SHALL TEST COMPLETED GROUND SYSTEM AND RECORD RESULTS FOR PROJECT CLOSE-OUT DOCUMENTATION. 5 OHMS MINIMUM RESISTANCE REQUIRED.
- CONTRACTOR SHALL CONDUCT ANTENNA, CABLE, AND LNA RETURN-LOSS AND DISTANCE-TO-FAULT MEASUREMENTS (SWEEP TESTS) AND RECORD RESULTS FOR PROJECT CLOSE OUT.
- THE T-MOBILE ELECTRICAL EQUIPMENT INCLUDING PANEL, SWITCH GEAR AND DISCONNECT ARE TO BE LABELED WITH ENGRAVED BAKELITE LABELS.

GENERAL NOTES

- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITIES COMPANY OR OTHER PUBLIC AUTHORITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.
- THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK. MINOR OMISSIONS OR ERRORS IN THE BID DOCUMENTS SHALL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR THE OVERALL INTENT OF THESE DRAWINGS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SITE IMPROVEMENTS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED AS A RESULT OF CONSTRUCTION OF THIS FACILITY.
- THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING A BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- CONTRACTOR SHALL VERIFY ANTENNA ELEVATION AND AZIMUTH WITH RF ENGINEERING PRIOR TO INSTALLATION.
- ALL STRUCTURAL ELEMENTS SHALL BE HOT DIPPED GALVANIZED STEEL.
- CONTRACTOR SHALL MAKE A UTILITY "ONE CALL" TO LOCATE ALL UTILITIES PRIOR TO EXCAVATING.
- IF ANY UNDERGROUND UTILITIES OR STRUCTURES EXIST BENEATH THE PROJECT AREA, CONTRACTOR MUST LOCATE IT AND CONTACT THE APPLICANT & THE OWNER'S REPRESENTATIVE.
- OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION BY TECHNICIANS APPROXIMATELY 2 TIMES PER MONTH.
- PROPERTY LINE INFORMATION WAS PREPARED USING DEEDS, TAX MAPS, AND PLANS OF RECORD AND SHOULD NOT BE CONSTRUED AS AN ACCURATE BOUNDARY SURVEY.
- THIS PLAN IS SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD.
- THE PROPOSED FACILITY WILL CAUSE ONLY A "DE MINIMIS" INCREASE IN STORMWATER RUNOFF. THEREFORE, NO DRAINAGE STRUCTURES ARE PROPOSED.
- NO SIGNIFICANT NOISE, SMOKE, DUST, OR ODOR WILL RESULT FROM THIS FACILITY.
- THE FACILITY IS UNMANNED AND NOT INTENDED FOR HUMAN HABITATION (NO HANDICAP ACCESS REQUIRED).
- THE FACILITY IS UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SANITARY SERVICE.
- POWER TO THE FACILITY WILL BE MONITORED BY A SEPARATE METER.

STRUCTURAL NOTES

- THE STRUCTURAL STEEL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ANCHOR BOLT LOCATIONS, ELEVATION OF TOP OF CONCRETE AND BEARING PLATES, ALIGNMENT ETC. PRIOR TO START OF STEEL ERECTION.
- THE LATEST EDITION OF THE FOLLOWING SPECIFICATIONS SHALL GOVERN:
 - A. AISC - "ALLOWABLE STRESS DESIGN SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS".
 - B. AISC - "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES".
 - C. AWS - "D1.1 STRUCTURAL WELDING CODE - STEEL".
- MATERIAL, UNLESS OTHERWISE NOTED, SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS

STRUCTURAL WIDE FLANGE & M SHAPES	A992 OR A572
	FY = 50KSI
OTHER STRUCTURAL SHAPES AND PLATES	A36, FY = 36 KSI
A500, GRADE B	
	FY = 46 KSI
HIGH STRENGTH BOLTS	A325
THREADED RODS	A354, GRADE BC
ANCHOR BOLTS	A325 OR A354 BC
PIPE (HANDRAIL)	SCH 40 PIPE
- ALL WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1 USING E70XX ELECTRODES. UNLESS OTHERWISE NOTED PROVIDE CONTINUOUS MINIMUM SIZED FILLET WELDS PER AISC REQUIREMENTS.
- HOLES IN STEEL SHALL BE DRILLED OR PUNCHED. ALL SLOTTED HOLES SHALL BE PROVIDED WITH SMOOTH EDGES. BURNING OF HOLES AND TORCH CUTTING AT THE SITE IS NOT PERMITTED. ALL HOLES IN BEARING PLATES SHALL BE DRILLED.
- ALL STEEL TO BE HOT-DIPPED GALVANIZED AFTER FABRICATION PER ASTM A123.
- EPOXY ANCHORS TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
- ALL BOLTS SHALL BE TIGHTENED USING TURN-OF-THE-NUT METHOD PER AISC SPECIFICATIONS USING STANDARD HOLES.
- CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND FIT PRIOR TO FABRICATION.

ENGINEERING FIRM

APPLICANT

SITE INFORMATION

4RV0827A
RV827/KILLNGTNBASELODGE 1
4563 KILLINGTON ROAD
KILLINGTON, VT 05751
RUTLAND COUNTY

DESIGN RECORD

REVISIONS			
REV	DATE	DESCRIPTION	BY
0	07/18/23	ISSUED FOR CONSTRUCTION	SW

PROFESSIONAL STAMP



ENGINEER

DANIEL J. CORNING, P.E.
VT PROFESSIONAL ENGINEER LIC #134458

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

GN-1



PARCEL ID:
28-001-000
PROPERTY OWNER:
PICO FOND, LLC
C/O MARGARET MC BRIDE
KILLINGTON, VT 05751

PARCEL ID:
35-001-000
PROPERTY OWNER:
SP LAND COMPANY, LLC
PO BOX 290
KILLINGTON, VT 05751

PARCEL ID:
36-13B-000
PROPERTY OWNER:
GRAND SUMMIT RESORT HOTEL
228 EAST MOUNTAIN RD
KILLINGTON, VT 05751

PARCEL ID:
36-009-001
PROPERTY OWNER:
KILLINGTON / PICO RESORT PARTNERS, LLC
C/O KEIKI SIERMAN
KILLINGTON, VT 05751

PARCEL ID: 36-13A-000
PROPERTY OWNER:
SIEBERT-BREEN CAREN
141 ROCKAWAY RD
LEBANON, NJ 08833

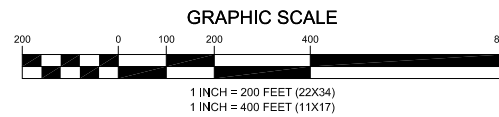
PARCEL ID: 36-014-001
SP LAND COMPANY, LLC
PO BOX 290
KILLINGTON, VT 05751
AREA = 13.24 ACRES ±

PARCEL ID:
36-11C-000
PROPERTY OWNER:
SP LAND COMPANY, LLC
PO BOX 290
KILLINGTON, VT 05751

PARCEL ID:
35-001-000
PROPERTY OWNER:
SP LAND COMPANY, LLC
PO BOX 290
KILLINGTON, VT 05751

PROPOSED 100' CLASS 1
SOUTHERN YELLOW PINE
WOOD UTILITY POLE

1 PLOT PLAN
C-1 SCALE: 1" = 200' (22X34)
SCALE: 1" = 400' (11X17)



ENGINEERING FIRM

NB+C
TOTALLY COMMITTED.
NB+C ENGINEERING SERVICES, LLC.
100 APOLLO DRIVE, SUITE 303
CHELMSFORD, MA 01824
(978) 856-8308

APPLICANT

T-Mobile
T-MOBILE NORTHEAST LLC
15 COMMERCE WAY, SUITE B
NORTON, MA 02766
OFFICE: (508) 286-2700
FAX: (508) 286-2893

SITE INFORMATION

4RV0827A
RV827/KILLNGTNBASELODGE 1
4563 KILLINGTON ROAD
KILLINGTON, VT 05751
RUTLAND COUNTY

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ENGINEER

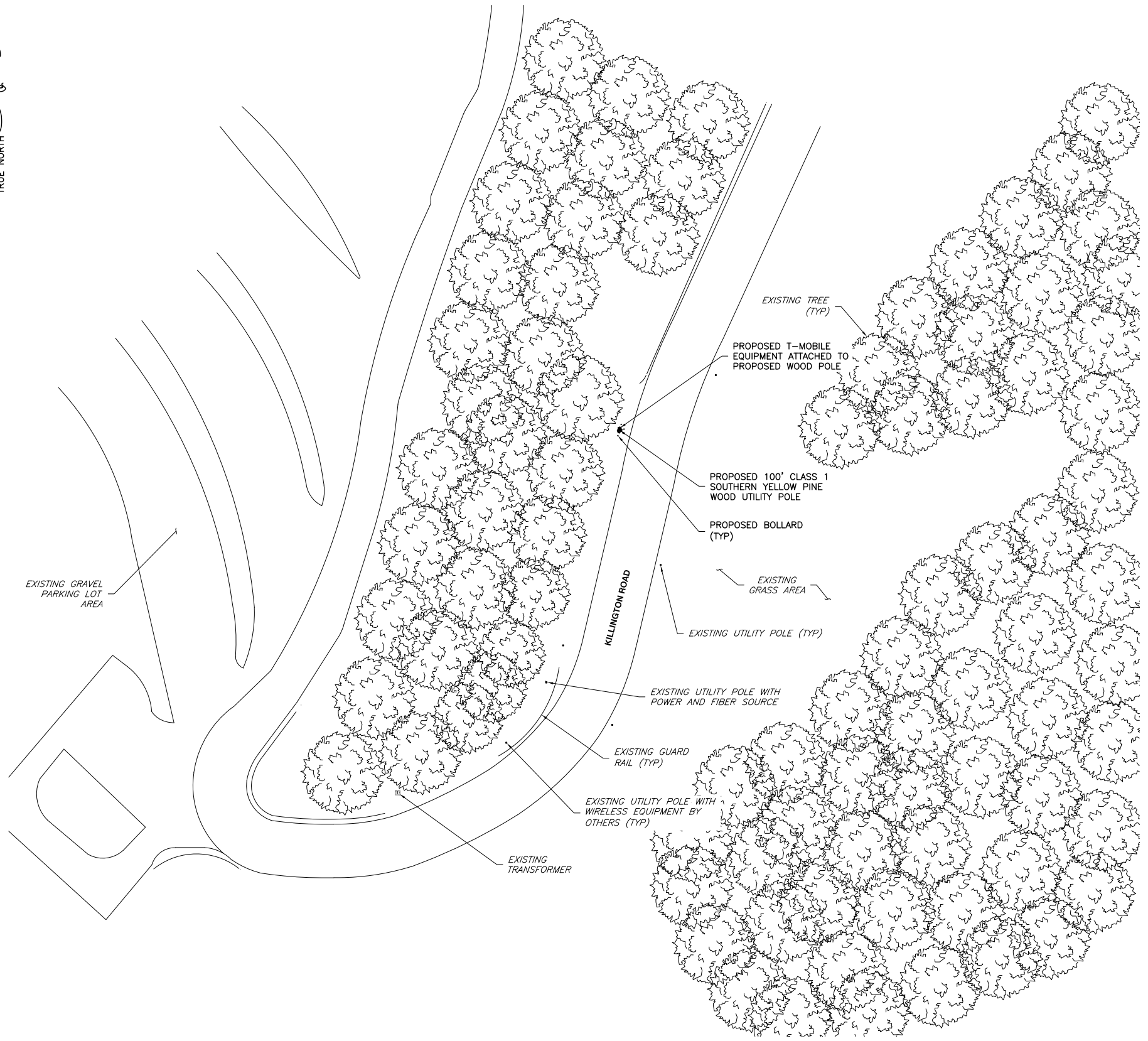
DANIEL J. CORNING, P.E.
VT PROFESSIONAL ENGINEER LIC #134458

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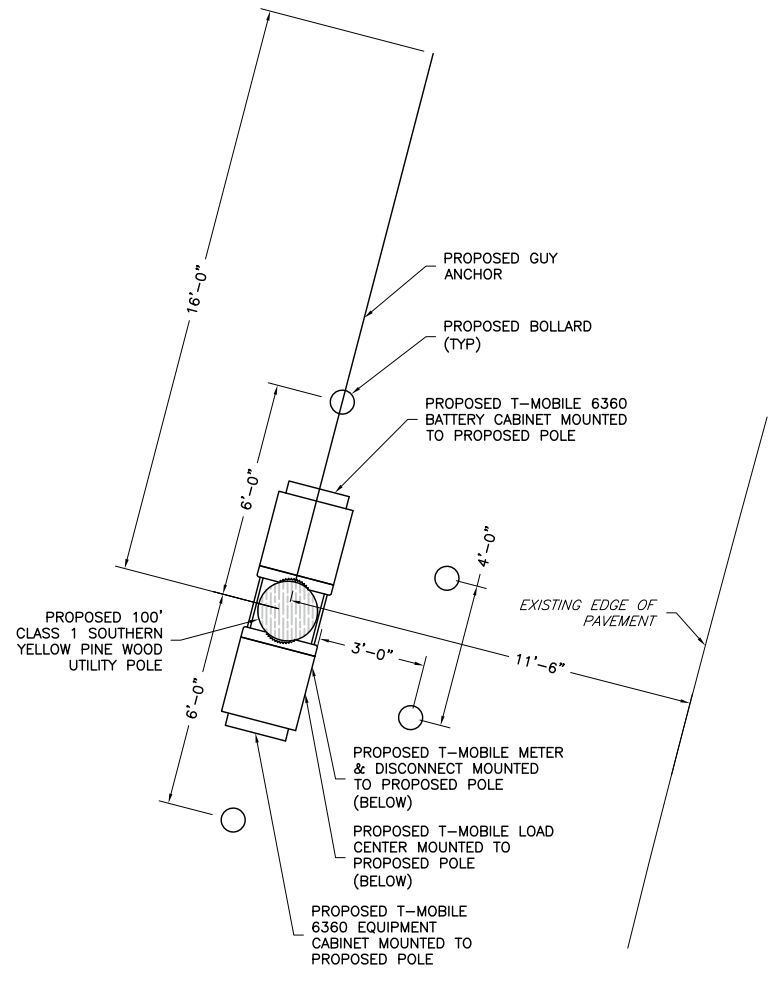
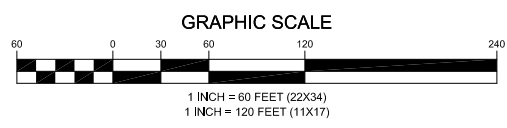
PLOT PLAN

SHEET NUMBER

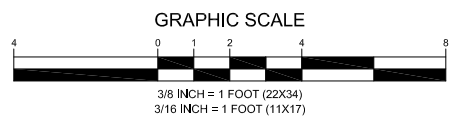
C-1



1 SITE PLAN
SCALE: 1" = 60' (22X34)
SCALE: 1" = 120' (11X17)



2 EQUIPMENT PLAN
SCALE: 3/8" = 1' (22X34)
SCALE: 3/16" = 1' (11X17)



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SITE INFORMATION
4RV0827A
RV827/KILLNGTNBASELodge 1
4563 KILLINGTON ROAD
KILLINGTON, VT 05751
RUTLAND COUNTY

REVISIONS

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PROFESSIONAL STAMP
STATE OF VERMONT
DANIEL CORNING
No. 34458
CIVIL
LICENSED PROFESSIONAL ENGINEER

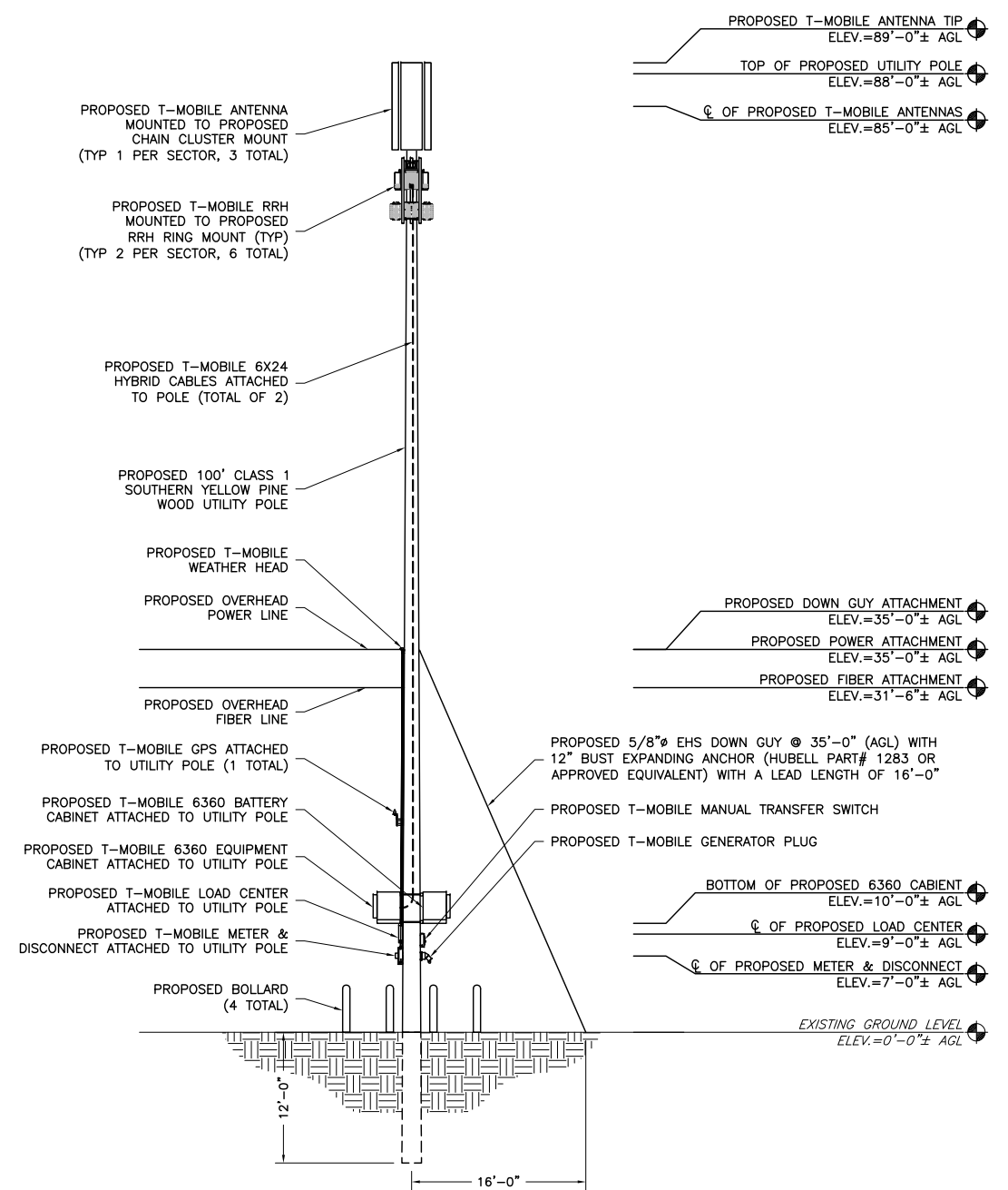
ENGINEER
DANIEL J. CORNING, P.E.
VT PROFESSIONAL ENGINEER LIC #134458

SHEET TITLE
SITE PLAN & EQUIPMENT PLAN

SHEET NUMBER
C-2

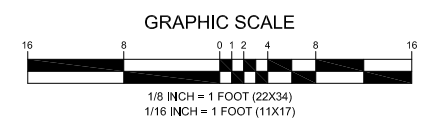
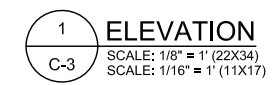
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NOTE:
6360 EQUIPMENT CABINET IS A CUSTOM CONFIGURATION AND WILL REQUIRE ERICSSON SUPPORT DURING CONSTRUCTION AND INTEGRATION.



GENERAL ANTENNA NOTES

1. ALL ANTENNAS TO BE FURNISHED WITH DOWNTILT BRACKETS. CONTRACTOR TO COORDINATE REQUIRED MECHANICAL DOWNTILT FOR EACH ANTENNA WITH RF ENGINEER.
2. ANTENNA CENTERLINE HEIGHT IS IN REFERENCE TO ELEVATION 0.0'.
3. CHECK WITH RF ENGINEER FOR LATEST ANTENNA TYPE & AZIMUTH.
4. CONTRACTOR SHALL VERIFY ANTENNA TYPE AND AZIMUTH WITH CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION.
5. ALL CABLE LENGTHS ARE ESTIMATED AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
6. COLOR TAPE MARKINGS MUST BE 3/4" WIDE AND UV RESISTANT, SUCH AS SCOTCH 35 VINYL ELECTRICAL COLOR CODING TAPE.
7. CONTRACTOR SHALL COORDINATE COLOR CODINGS IN THE FIELD WITH T-MOBILE REPRESENTATIVE.
8. A STRUCTURAL ANALYSIS REPORT HAS BEEN ISSUED BY NB+C ENGINEERING SERVICES, LLC, DATED 04/05/2023 TO CERTIFY THAT THE PROPOSED COMMUNICATION STRUCTURE AND COMPONENTS ARE STRUCTURALLY ADEQUATE TO SUPPORT ALL EXISTING AND PROPOSED ANTENNAS, COAXIAL CABLES AND OTHER APPURTENANCES.



ENGINEERING FIRM

NB+C
TOTALLY COMMITTED.
NB+C ENGINEERING SERVICES, LLC.
100 APOLLO DRIVE, SUITE 303
CHELMSFORD, MA 01824
(978) 856-8308

APPLICANT

T-Mobile
T-MOBILE NORTHEAST LLC
15 COMMERCE WAY, SUITE B
NORTON, MA 02766
OFFICE: (508) 286-2700
FAX: (508) 286-2893

SITE INFORMATION

4RV0827A
RV827/KILLNGTNBASE LODGE 1
4563 KILLINGTON ROAD
KILLINGTON, VT 05751
RUTLAND COUNTY

DESIGN RECORD

REVISIONS			
REV	DATE	DESCRIPTION	BY
0	07/18/23	ISSUED FOR CONSTRUCTION	SW

PROFESSIONAL STAMP



ENGINEER

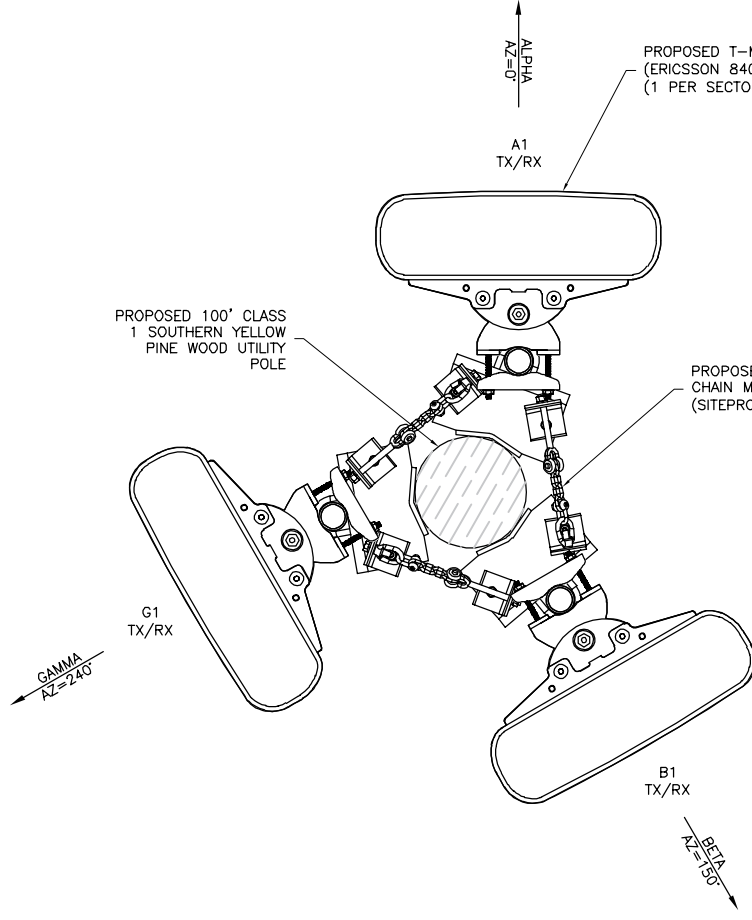
DANIEL J. CORNING, P.E.
VT PROFESSIONAL ENGINEER LIC #134458

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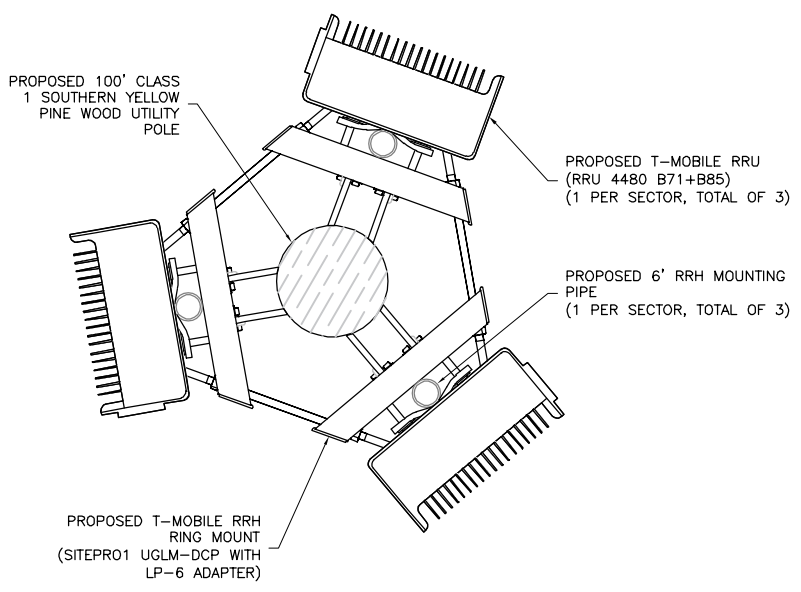
ELEVATION

SHEET NUMBER

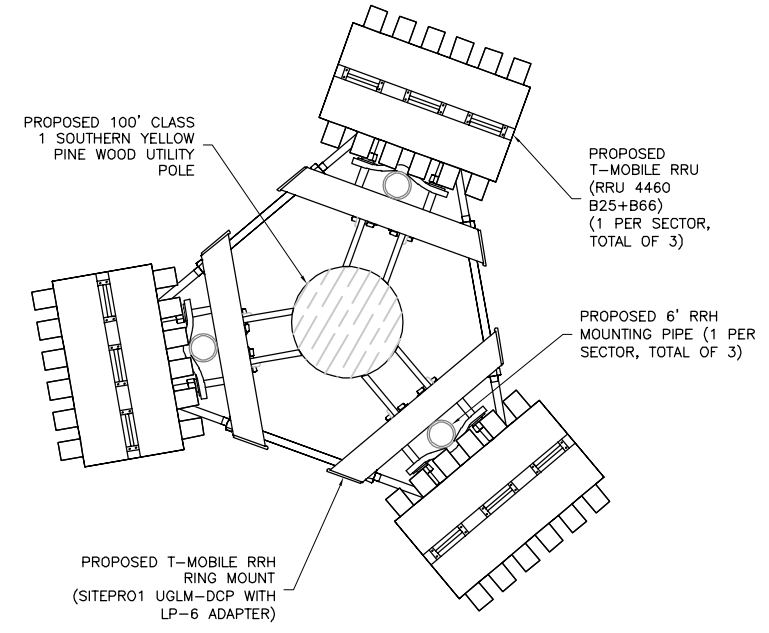
C-3



1 PROPOSED ANTENNA ORIENTATION PLAN
A-1 NOT TO SCALE



2 PROPOSED UPPER RRH ORIENTATION PLAN
A-1 NOT TO SCALE



3 PROPOSED LOWER RRH ORIENTATION PLAN
A-1 NOT TO SCALE

ANTENNA SCHEDULE												
SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA DIMENSIONS (HxWxD)	TIP HEIGHT	AZIMUTH	ELEC DOWNTILT	MECH DOWNTILT	RRU QUANTITY & MODEL	TMA/DIPLEXER QUANTITY & MODEL	CABLE QUANTITY & TYPE	CABLE LENGTH
A1	PROPOSED	ERICSSON	840590966	95.9"x23.5"x7.10"	89.00'	0°	0°	0°	(1) PROPOSED RRU 4480 B71+B85	-	(1) PROPOSED 6x24 HYBRID CABLE	68.00'
-	-	-	-	-	-	-	-	(1) PROPOSED RRU 4460 B25+B66	-			
-	-	-	-	-	-	-	-	-	-			
-	-	-	-	-	-	-	-	-	-			
B1	PROPOSED	ERICSSON	840590966	95.9"x23.5"x7.10"	89.00'	150°	0°	0°	(1) PROPOSED RRU 4480 B71+B85	-	(1) PROPOSED 6x24 HYBRID CABLE	68.00'
-	-	-	-	-	-	-	-	(1) PROPOSED RRU 4460 B25+B66	-			
-	-	-	-	-	-	-	-	-	-			
-	-	-	-	-	-	-	-	-	-			
C1	PROPOSED	ERICSSON	840590966	95.9"x23.5"x7.10"	89.00'	240°	0°	0°	(1) PROPOSED RRU 4480 B71+B85	-	SHARED THROUGH HYBRIFLEX	-
-	-	-	-	-	-	-	-	(1) PROPOSED RRU 4460 B25+B66	-			
-	-	-	-	-	-	-	-	-	-			
-	-	-	-	-	-	-	-	-	-			

NOTES:
1. PLANS PREPARED PER RFDS DATED 04/26/2023. CONTRACTOR TO VERIFY PROPOSED ANTENNA INFORMATION IS THE MOST CURRENT DATA AT TIME OF CONSTRUCTION.
2. CONTRACTOR TO CONFIRM CABLE LENGTHS PRIOR TO CONSTRUCTION.

4 ANTENNA CONFIGURATION SCHEDULE
A-1 NOT TO SCALE

NB+C
TOTALLY COMMITTED.
NB+C ENGINEERING SERVICES, LLC.
100 APOLLO DRIVE, SUITE 303
CHELMSFORD, MA 01824
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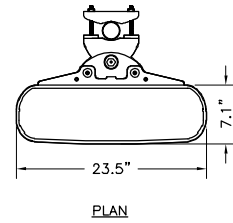
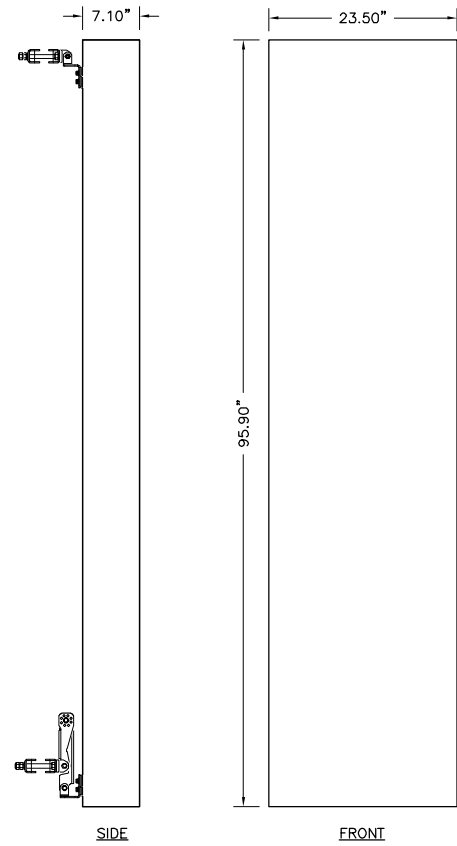
STATE OF VERMONT
DANIEL CORNING
No. 34458
CIVIL
LICENSED PROFESSIONAL ENGINEER

DANIEL J. CORNING, P.E.
VT PROFESSIONAL ENGINEER LIC #134458

ANTENNA ORIENTATION PLAN & SCHEDULE

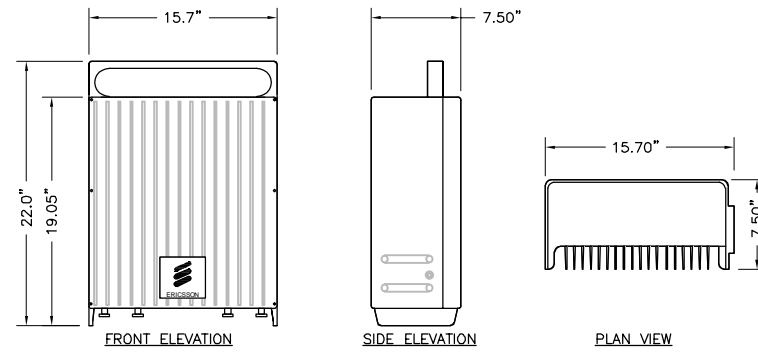
A-1

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MECHANICAL SPECIFICATIONS
 ERICSSON: 840590966
 HEIGHT: 95.9 IN
 WIDTH: 23.5 IN
 DEPTH: 7.10 IN
 WEIGHT: 101.4 LBS

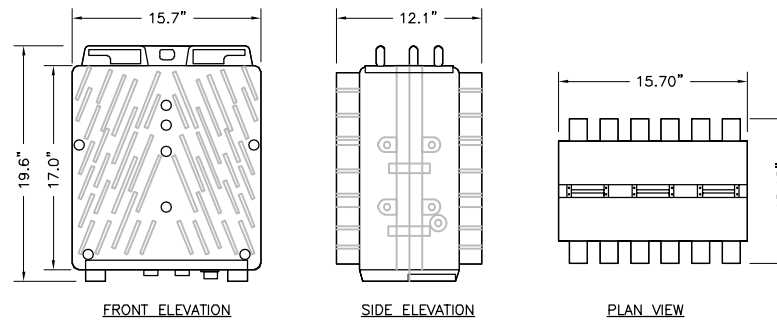
1 ERICSSON PANEL ANTENNA
 A-2 NOT TO SCALE



SIZE AND WEIGHT TABLE				
MANUFACTURER & MODEL NUMBER	HEIGHT	WIDTH	DEPTH	WEIGHT WITHOUT BRACKET
ERICSSON 4480	22.0"	15.7"	7.50"	81.00 LBS

NOTE:
 DO NOT PAINT THE RRU. RRU SOLAR SHIELD CAN BE PAINTED PER MANUFACTURER'S METHOD OF PROCEDURE.

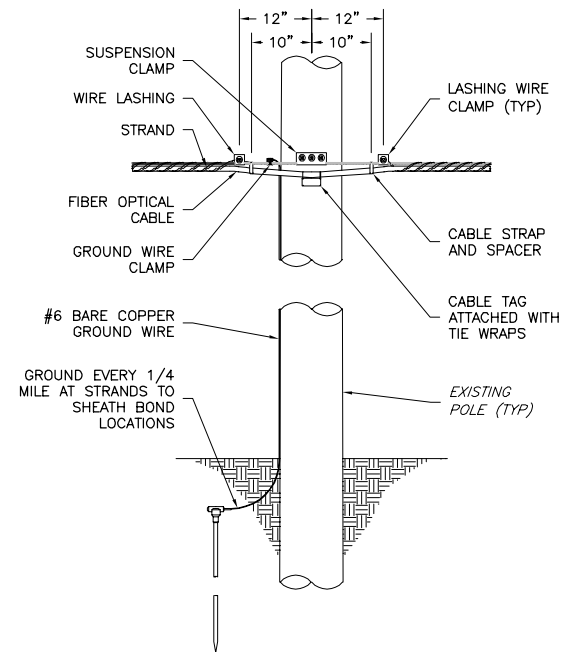
3 REMOTE RADIO UNIT (RRU)
 A-2 NOT TO SCALE



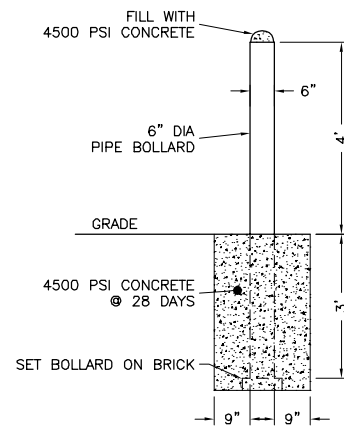
SIZE AND WEIGHT TABLE				
MANUFACTURER & MODEL NUMBER	HEIGHT	WIDTH	DEPTH	WEIGHT WITHOUT BRACKET
ERICSSON 4460	19.6"	15.7"	12.1"	109.00 LBS

NOTE:
 DO NOT PAINT THE RRU. RRU SOLAR SHIELD CAN BE PAINTED PER MANUFACTURER'S METHOD OF PROCEDURE.

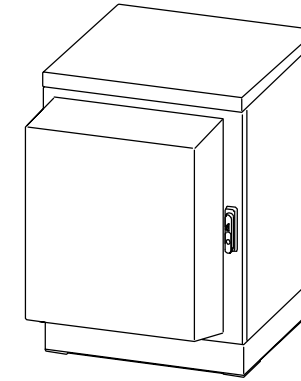
4 REMOTE RADIO UNIT (RRU)
 A-2 NOT TO SCALE



2 TYPICAL AERIAL FIBER ATTACHMENT
 A-2 NOT TO SCALE

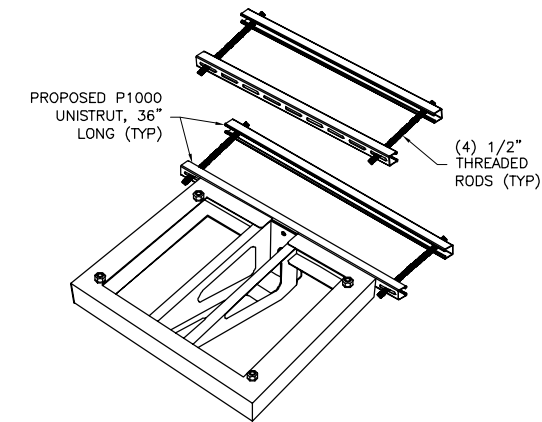


5 BOLLARD DETAIL
 A-2 SCALE: 1/2" = 1'

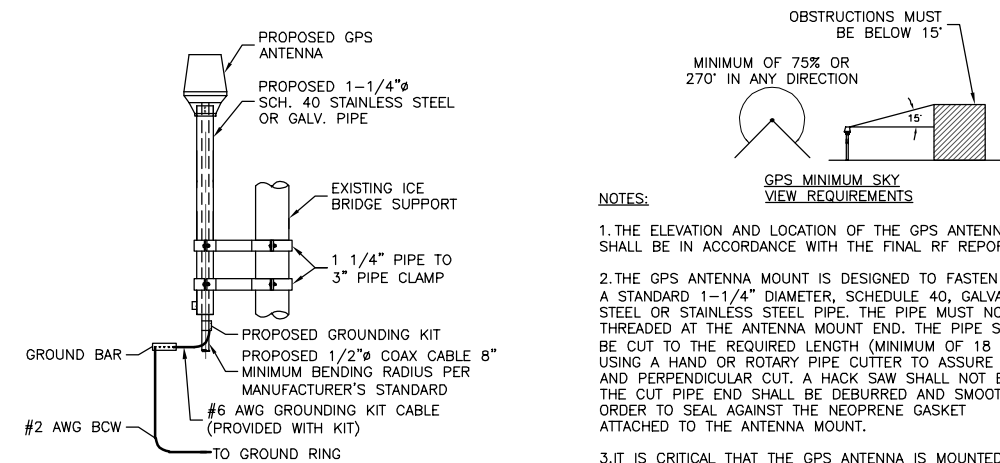


MECHANICAL SPECIFICATIONS
 ERICSSON: 6360
 HEIGHT: 34.6 IN
 WIDTH: 25.6 IN
 DEPTH: 29.8 IN
 WEIGHT: 231.5 LBS

6 6360 EQUIPMENT CABINET DETAIL
 A-2 NOT TO SCALE



7 ENCLOSURE POLE BRACKET
 A-2 NOT TO SCALE



NOTES:

1. THE ELEVATION AND LOCATION OF THE GPS ANTENNA SHALL BE IN ACCORDANCE WITH THE FINAL RF REPORT.
2. THE GPS ANTENNA MOUNT IS DESIGNED TO FASTEN TO A STANDARD 1-1/4" DIAMETER, SCHEDULE 40, GALVANIZED STEEL OR STAINLESS STEEL PIPE. THE PIPE MUST NOT BE THREADED AT THE ANTENNA MOUNT END. THE PIPE SHALL BE CUT TO THE REQUIRED LENGTH (MINIMUM OF 18 INCHES) USING A HAND OR ROTARY PIPE CUTTER TO ASSURE A SMOOTH AND PERPENDICULAR CUT. A HACK SAW SHALL NOT BE USED. THE CUT PIPE END SHALL BE DEBURRED AND SMOOTH IN ORDER TO SEAL AGAINST THE NEOPRENE GASKET ATTACHED TO THE ANTENNA MOUNT.
3. IT IS CRITICAL THAT THE GPS ANTENNA IS MOUNTED SUCH THAT IT IS WITHIN 2 DEGREES OF VERTICAL AND THE BASE OF THE ANTENNA IS WITHIN 2 DEGREES OF LEVEL.
4. DO NOT SWEEP TEST GPS ANTENNA.

8 GPS ANTENNA MOUNTING DETAIL
 A-2 NTS

ENGINEERING FIRM

NB+C
TOTALLY COMMITTED.
 NB+C ENGINEERING SERVICES, LLC.
 100 APOLLO DRIVE, SUITE 303
 CHELMSFORD, MA 01824
 (978) 856-8308

APPLICANT

T-Mobile
 T-MOBILE NORTHEAST LLC
 15 COMMERCE WAY, SUITE B
 NORTON, MA 02766
 OFFICE: (508) 286-2700
 FAX: (508) 286-2893

SITE INFORMATION

4RV0827A
 RV827/KILLINGTNBASE LODGE 1
 4563 KILLINGTON ROAD
 KILLINGTON, VT 05751
 RUTLAND COUNTY

DESIGN RECORD

REVISIONS				
REV	DATE	DESCRIPTION	BY	
0	07/18/23	ISSUED FOR CONSTRUCTION	SW	

PROFESSIONAL STAMP



ENGINEER

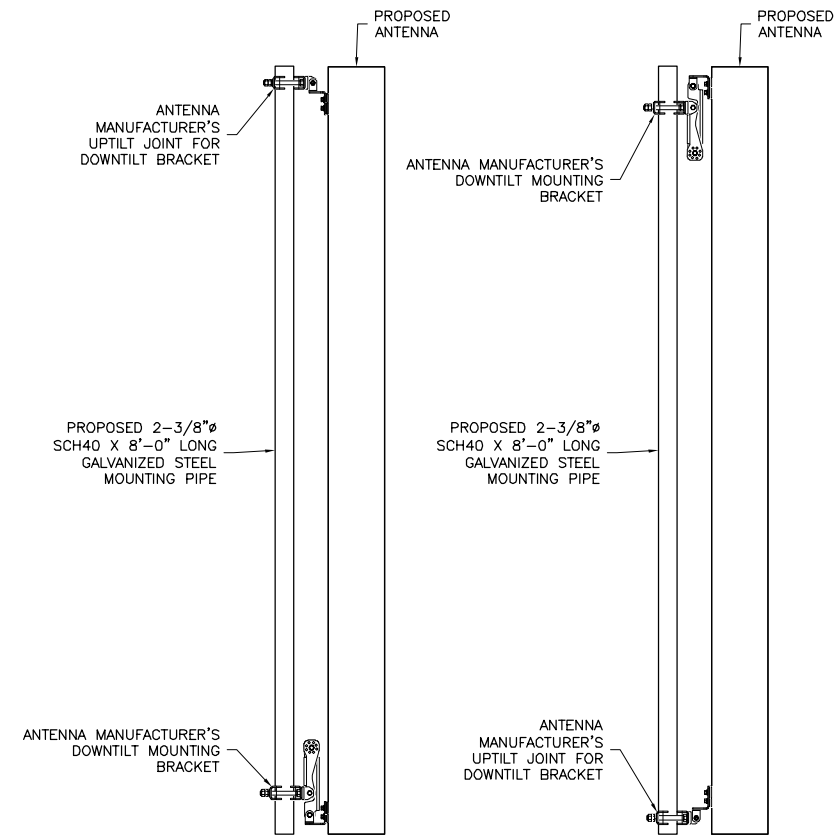
DANIEL J. CORNING, P.E.
 VT PROFESSIONAL ENGINEER LIC #134458

SHEET TITLE

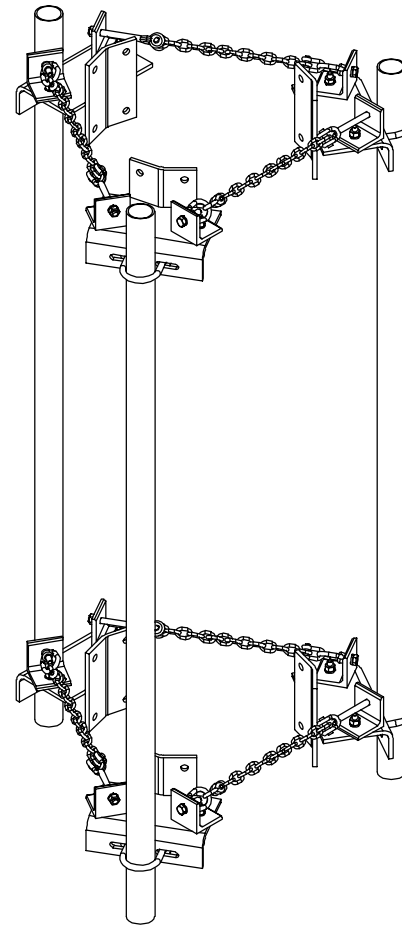
EQUIPMENT SPECIFICATIONS & DETAILS

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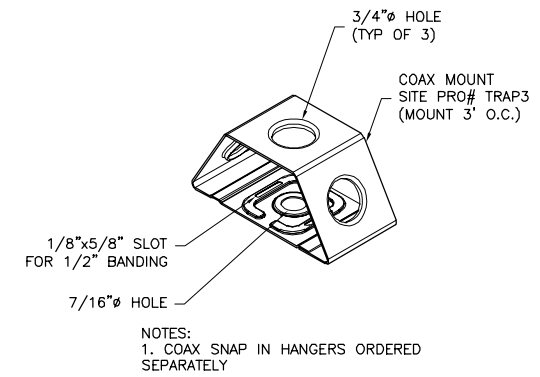
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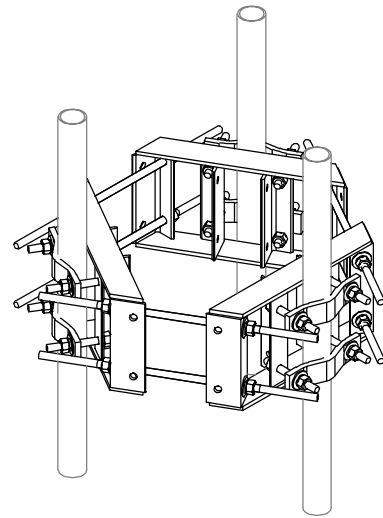
1 ANTENNA MOUNTING DETAIL
A-3 NOT TO SCALE



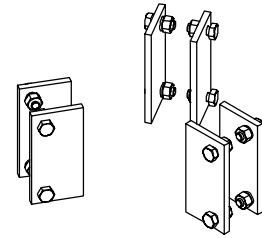
2 SITEPRO1 CHM3 CHAIN MOUNT DETAIL
A-3 NOT TO SCALE



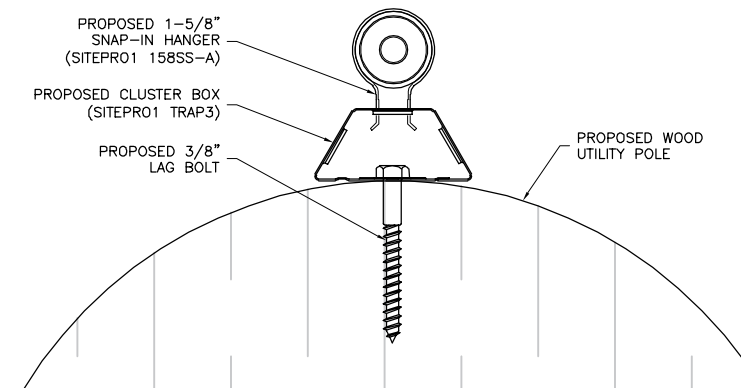
3 CABLE MOUNT
A-3 NTS



4 SITEPRO1 UGLM-DCP RRH RING MOUNT DETAIL
A-3 NOT TO SCALE



5 SITEPRO1 LP-6 ADAPTER DETAIL
A-3 NOT TO SCALE



6 CABLE MOUNT DETAIL
A-3 NTS

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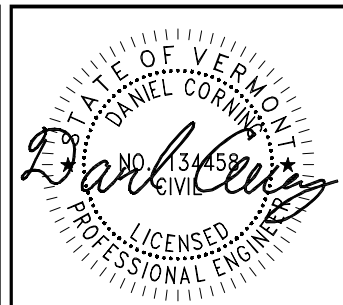
SITE INFORMATION

4RV0827A
RV827/KILLNGTNBASE LODGE 1
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ENGINEER

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VT PROFESSIONAL ENGINEER LIC #134458

SHEET TITLE

ANTENNA & RRH
MOUNTING
DETAILS

SHEET NUMBER

A-3

REVISIONS

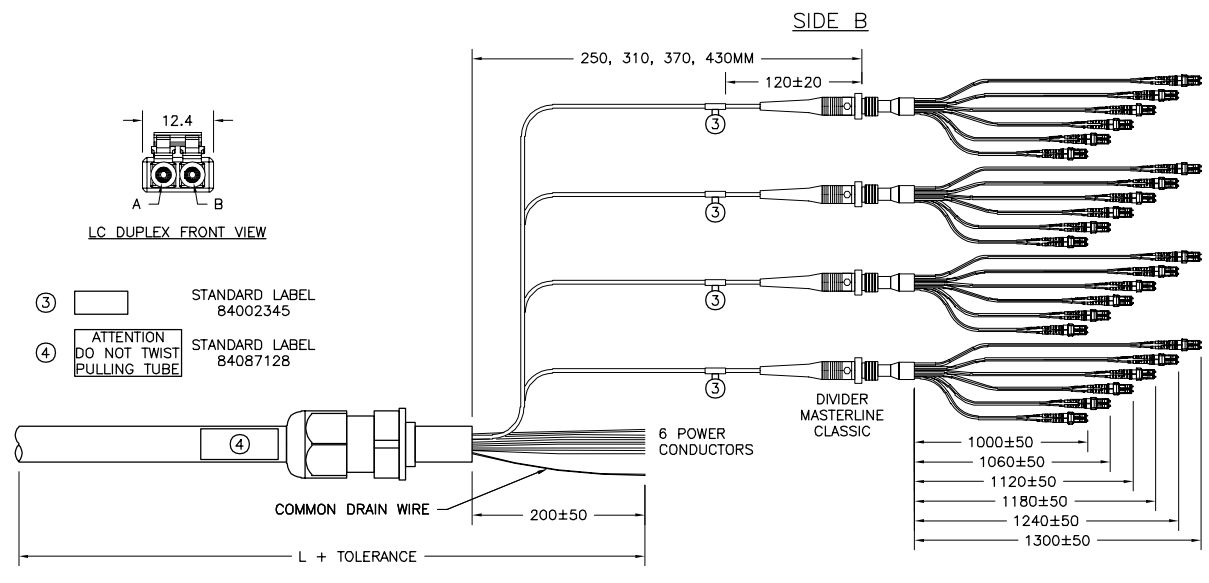
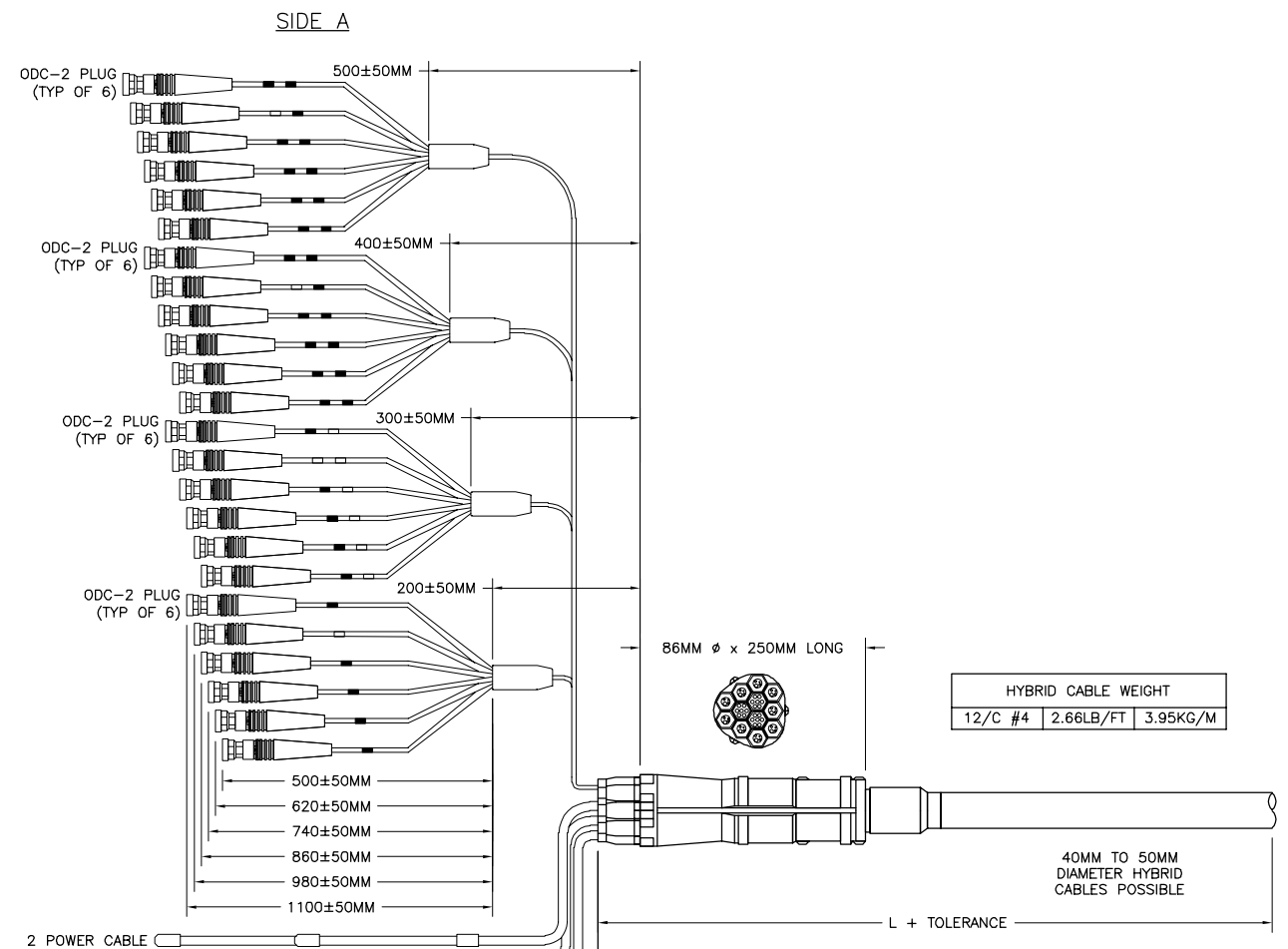
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CABLING DETAILS

A-4



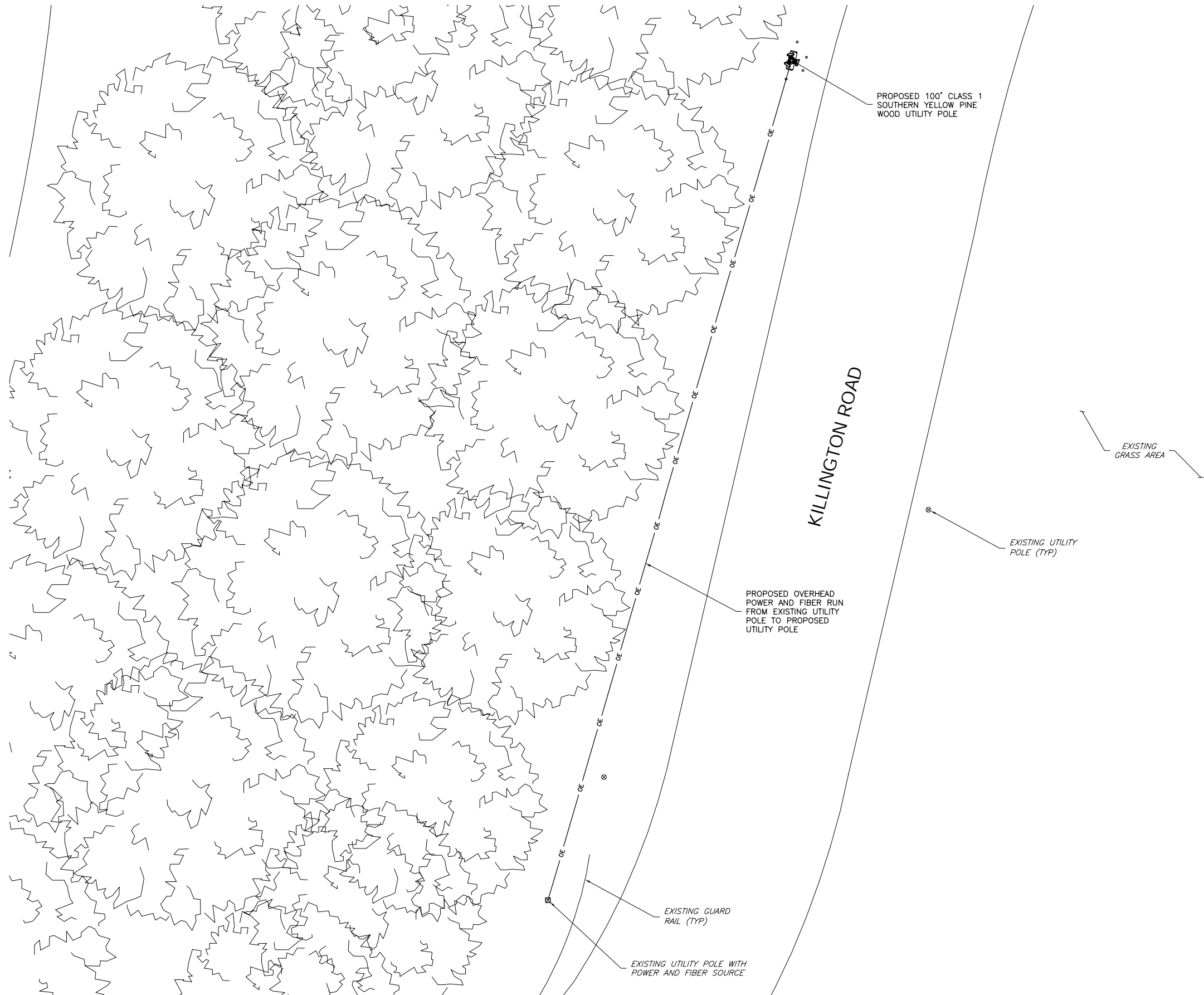
RRH NO.	SIDE A		SIDE B		RUBBER GROMMETS
	ODC PLUG	PIN	COLOR	LENGTH SIDE B	
1	ODC-2 RED	1 B	RED (SHORT BREAKOUT)	1000 ± 50	1
2	ODC-2 GREEN	1 B	GREEN	1060 ± 50	1
3	ODC-2 BLUE	1 B	BLUE	1120 ± 50	1
4	ODC-2 YELLOW	1 B	YELLOW	1180 ± 50	1
5	ODC-2 WHITE	1 B	WHITE	1240 ± 50	1
6	ODC-2 BLACK	1 B	BLACK	1300 ± 50	1

RRH NO.	REF HOOK UP	SIDE A		SIDE B
		WIRE COLOR	CABLE DESIGNATOR	WIRE COLOR
1	-48V	BLACK	RED	RED
	0V	GREY		BLACK
2	-48V	BLACK	GREEN	GREEN
	0V	GREY		WHITE
3	-48V	BLACK	BLUE	BLUE
	0V	GREY		ORANGE

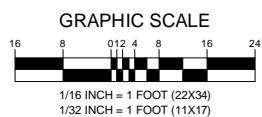
RRH NO.	REF HOOK UP	SIDE A		SIDE B
		WIRE COLOR	CABLE DESIGNATOR	WIRE COLOR
4	-48V	BLACK	YELLOW	RED
	0V	GREY		BLACK
5	-48V	BLACK	WHITE	GREEN
	0V	GREY		WHITE
6	-48V	BLACK	BLACK	BLUE
	0V	GREY		ORANGE

1 MLE HYBRID CABLE (6 POWER/24 FIBER)
A-4 NOT TO SCALE

LAST PLOTTED: 07/19/2023 2:26 PM



1
E-1
ELECTRICAL PLAN
SCALE: 1/16" = 1' (22X34)
SCALE: 1/32" = 1' (11X17)



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ENGINEER

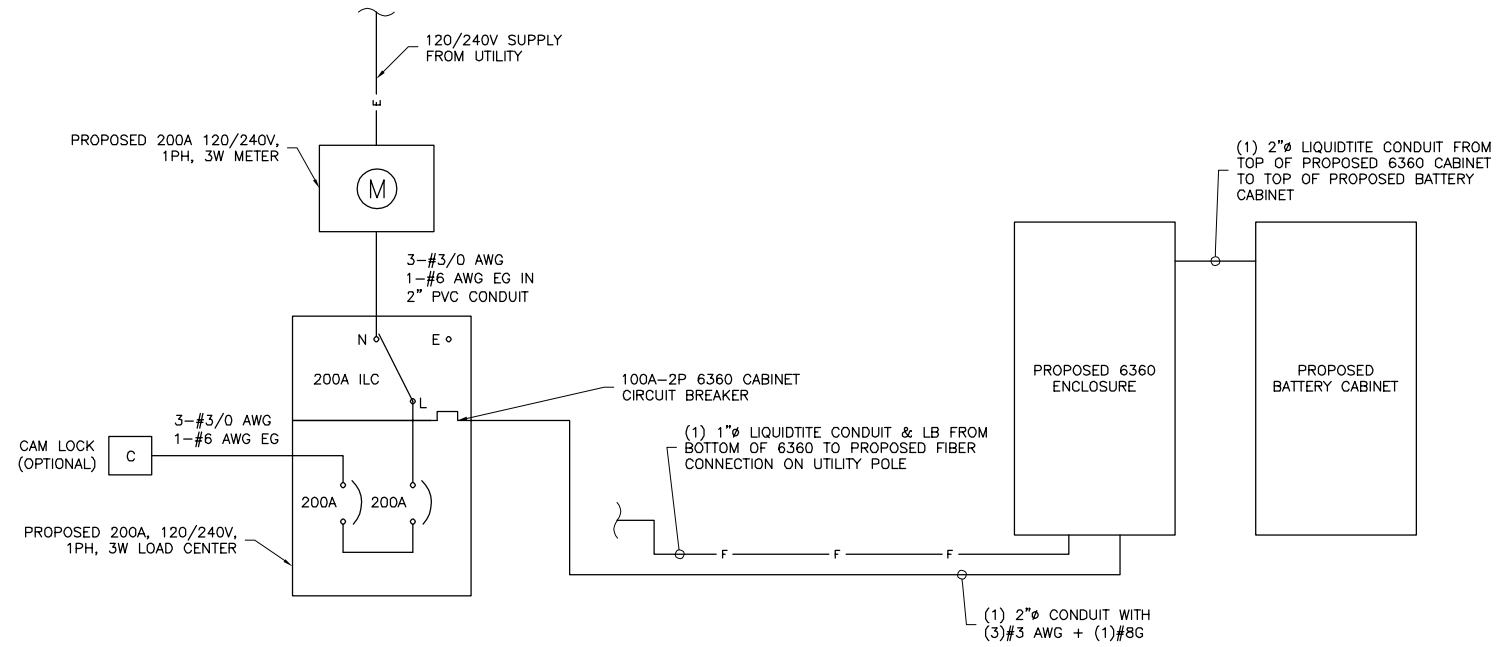
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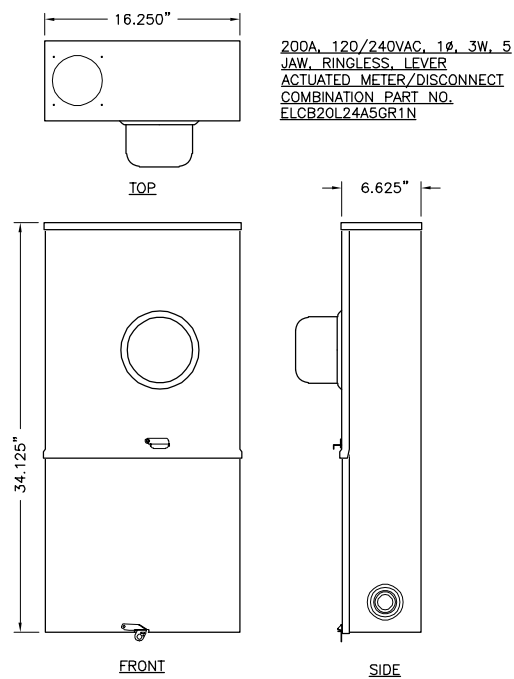
ELECTRICAL PLAN

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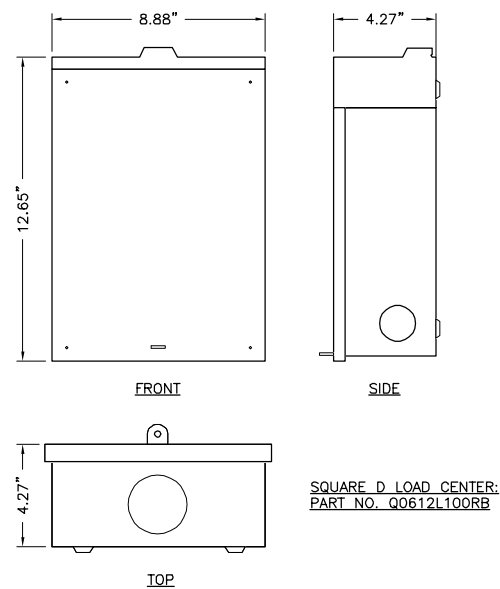
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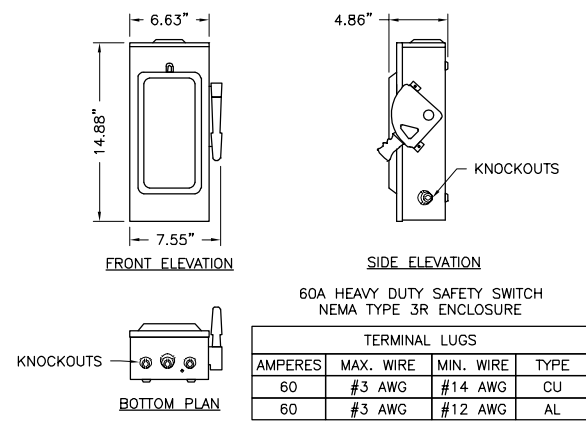
1 POWER DIAGRAM
E-2 NOT TO SCALE



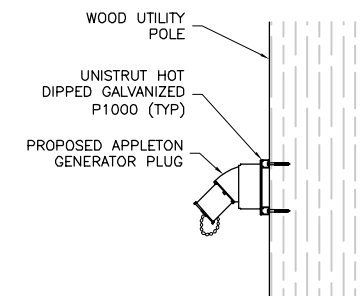
2 METER/DISCONNECT
E-2 NTS



3 AC LOAD CENTER DETAIL
E-2 NTS



4 SAFETY SWITCH DETAIL
E-2 NTS



5 APPLETON GENERATOR RECEPTACLE
E-2 NTS

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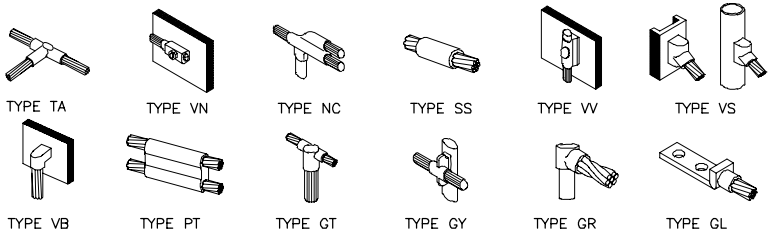
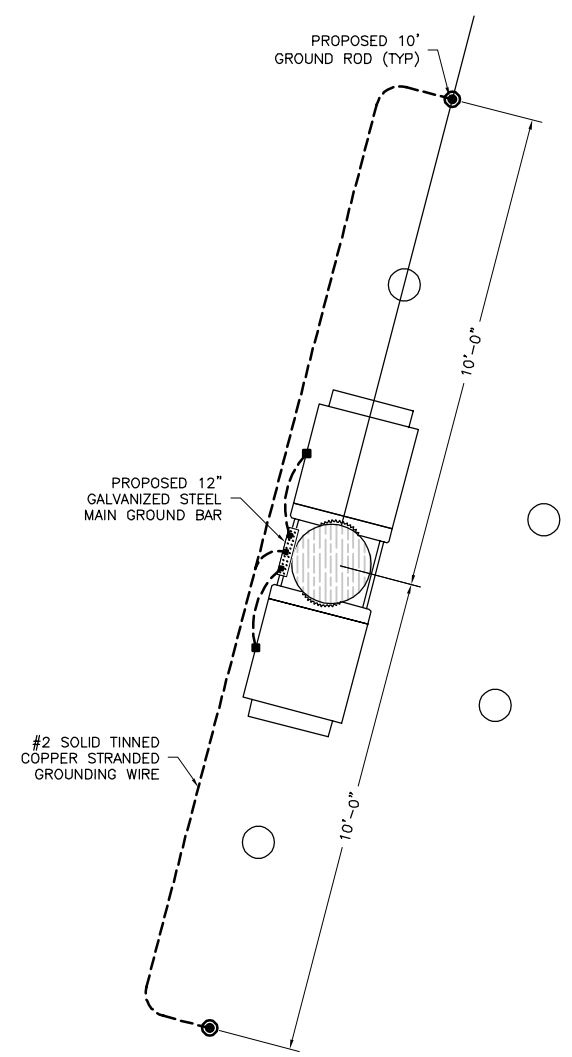
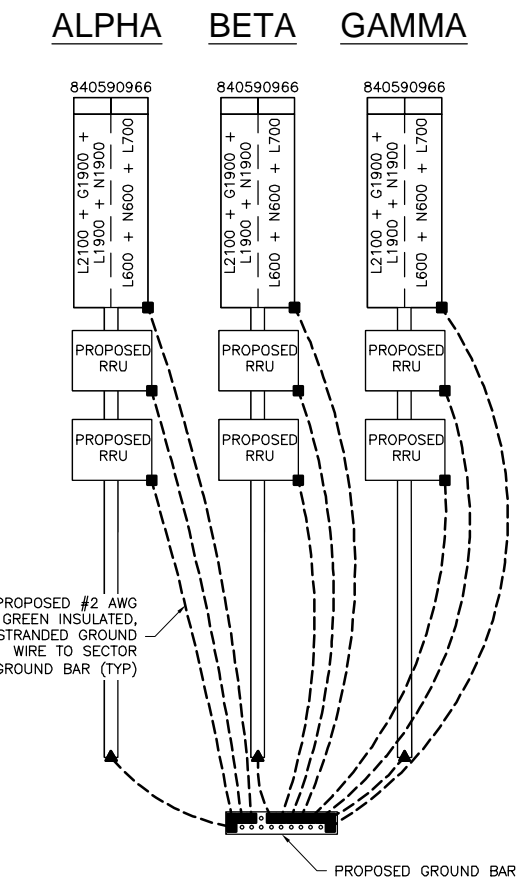
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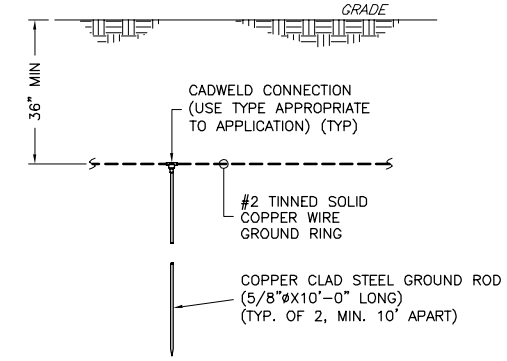
ELECTRICAL
DETAILS

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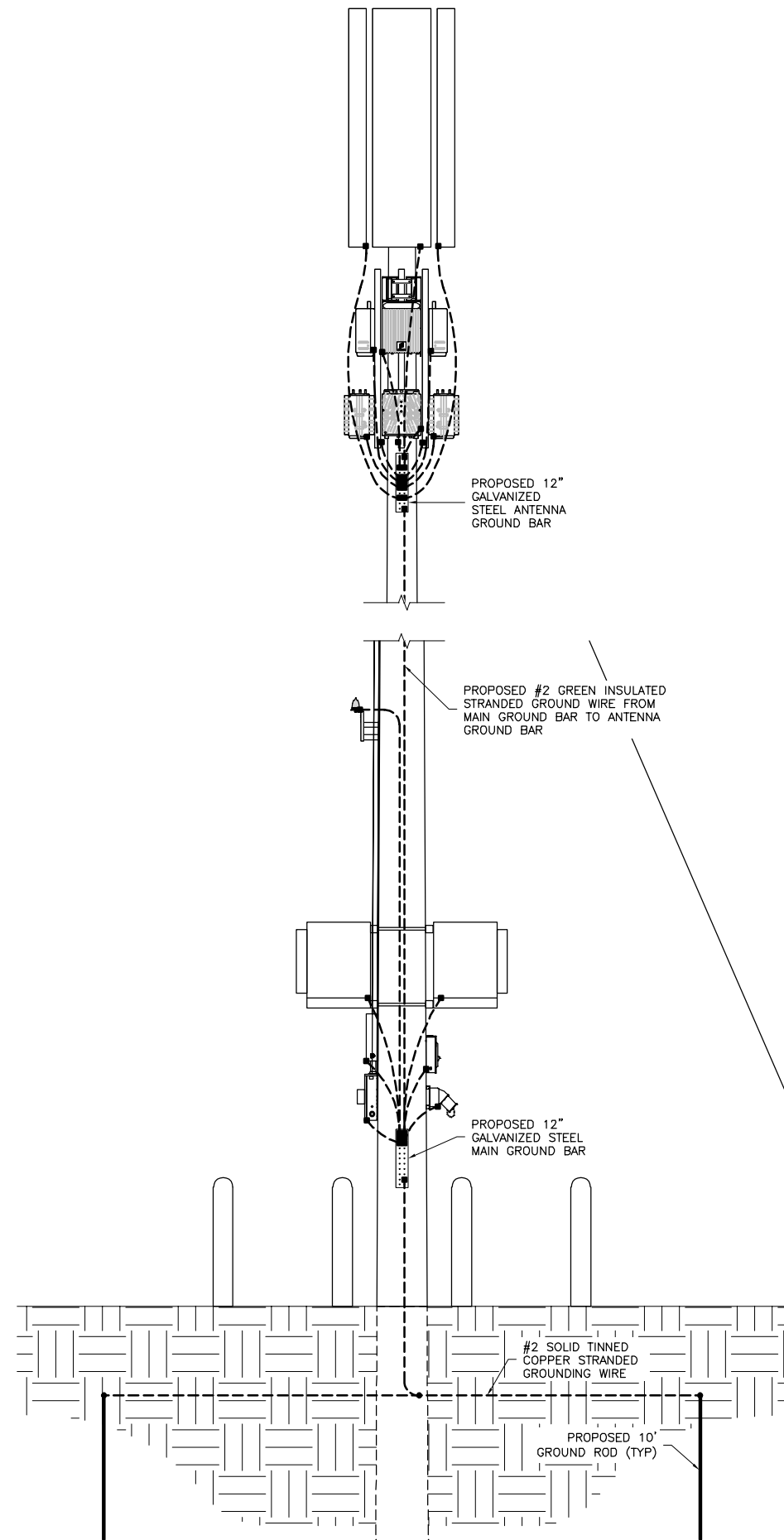
E-2



2 GROUNDING CONNECTION DETAILS
G-1 NOT TO SCALE






4 TYPICAL GROUND ROD DETAIL
G-1 NTS



5 GROUNDING ELEVATION
G-1 NOT TO SCALE

GROUNDING LEGEND	
■	MECHANICAL COMPRESSION CONNECTION
▲	CADWELD CONNECTION
●	EXOTHERMIC WELD CONNECTION
---	PROPOSED GROUND WIRING
---	EXISTING GROUND WIRING

ENGINEERING FIRM	 TOTALLY COMMITTED. <small>NB+C ENGINEERING SERVICES, LLC. 100 APOLLO DRIVE, SUITE 303 CHELMSFORD, MA 01824 (978) 856-8308</small>												
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DESIGN RECORD	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4">REVISIONS</th> </tr> <tr> <th>REV</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>07/18/23</td> <td>ISSUED FOR CONSTRUCTION</td> <td>SW</td> </tr> </tbody> </table>	REVISIONS				REV	DATE	DESCRIPTION	BY	0	07/18/23	ISSUED FOR CONSTRUCTION	SW
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SHEET TITLE	GROUNDING DETAILS												
SHEET NUMBER	G-1												