

KENNETH C. BALDWIN

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Also admitted in Massachusetts  
and New York

July 6, 2022

Melanie A. Bachman, Esq.  
Executive Director/Staff Attorney  
Connecticut Siting Council  
10 Franklin Square  
New Britain, CT 06051

Re: **EM-VER-082-210715 – Cellco Partnership d/b/a Verizon Wireless  
Telecommunications Facility, 393 Jackson Hill Road, Middlefield, Connecticut**

### **Completion of Construction**

Dear Ms. Bachman:

The purpose of this letter is to notify the Siting Council that construction activity associated with the above-referenced Cellco Partnership d/b/a Verizon Wireless facility modification has been completed.

As required by the Council's approval, attached is a final inspection report from ProTerra Design Group, LLC, dated June 29, 2022, verifying that Cellco's facility modifications were completed in accordance with the April 30, 2021 Mount Analysis.

If you have any questions or need any additional information regarding this facility, please do not hesitate to contact me.

Sincerely,



Kenneth C. Baldwin

KCB/kmd  
Attachment

# Final Report of Inspections

Project: *Verizon Equipment Upgrade Project on an existing Monopole*  
Site Name: **Middlefield South CT** (Location Code: **467144**; Fuze ID: **16244625**)

**Building Permit No.** *21-105B*  
**CSC Reference No.** *EM-VER-082-210715*

Site Address: *393 Jackson Hill Road*  
*Middlefield, CT 06455*

Owner: *Verizon*

Owner's Address: *20 Alexander Drive, 2nd Floor*  
*Wallingford, CT 06492*

Engineer of Record: *Jesse Moreno, P.E.*  
*ProTerra Design Group, LLC*

The review of the project consisted of a general visual inspection from ground level of completed construction by representatives of ProTerra Design Group, LLC and a review of contractor closeout photos. To our knowledge no special testing or special inspection is required for the scope of work as shown in the drawings.

Based on my knowledge, information and belief the completed construction substantially conforms to the approved plans, Connecticut State Building Code, Structural Standards for Steel Antenna Towers and Antenna Supporting Systems (ANSI/TIA/EIA-222-G), the equipment manufacturer's installation guidelines, and the following:

1. Final Construction Drawings prepared by ProTerra Design Group, LLC dated July 08, 2021.
2. Passing Mount Analysis and associated mount modification drawings prepared by Maser Consulting Connecticut dated April 30, 2021.
3. Passing Structural Analysis prepared by Tower Engineering Solutions dated June 03, 2021.

All deviations from the approved plans do not endanger the intended occupancy of the facility and equipment substitutions are approved as equivalent to the original specifications. Construction has been satisfactorily completed.

The following field inspection report(s) and documentation form a basis for our determination and are to be considered an integral part of this final report.

Respectfully submitted,  
ProTerra Design Group, LLC

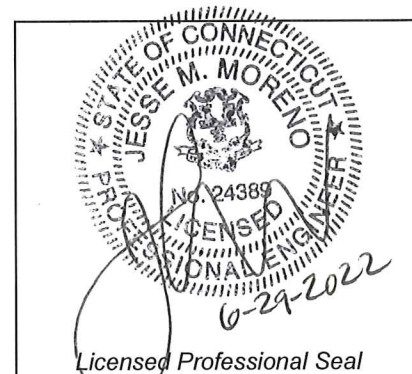
*Jesse Moreno, P.E.*  
(Type or print name)



Signature

*6-29-2022*

Date

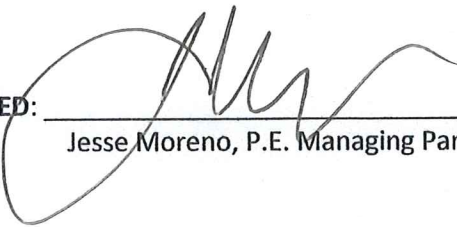




The comments in this field report are a record of observations made on site. If there are any errors or omissions please notify ProTerra Design Group, LLC in writing or all comments and all parties shall consider this report factual and acceptable.

**COPIES TO:** File

**SUBMITTED:**   
Peter Nute, Project Engineer

**REVIEWED:**   
Jesse Moreno, P.E. Managing Partner



Verizon Sector with new radios



Dual mount panel antennas



New Verizon Antenna



Verizon Cable entry at shelter



RRH mounted to separate pipe which differs from original design, but is an acceptable installation.

TOWN OF MIDDLEFIELD  
INSPECTION REQUEST

Permit # 21-105B Owner \_\_\_\_\_

Location 313 Jackson Hill  
No. Street

Req. by \_\_\_\_\_ Date \_\_\_\_\_ Tel (\_\_\_\_) \_\_\_\_\_

When Needed \_\_\_\_\_ Time \_\_\_\_\_

Footing \_\_\_\_\_ Insulation \_\_\_\_\_

Foundation \_\_\_\_\_ Generator \_\_\_\_\_

Solar \_\_\_\_\_ L.P. Gas \_\_\_\_\_

Framing \_\_\_\_\_ Under Slab Poly \_\_\_\_\_

Rough Electric \_\_\_\_\_ Pool \_\_\_\_\_

HVAC \_\_\_\_\_ Perm Service \_\_\_\_\_

Plumbing \_\_\_\_\_ Final CO \_\_\_\_\_

Other \_\_\_\_\_

Approved \_\_\_\_\_ Not Approved \_\_\_\_\_ Reinspection Required \_\_\_\_\_

Inspected by J. Huss Time \_\_\_\_\_ Phone (860) 349-7123

Comments \_\_\_\_\_

Call back

- Added 2/3 Antennas

- (OK) to close permit

[Signature]

12-6-2001



Maser Consulting Connecticut  
135 New Road  
Madison, CT 06443  
860.395.0055  
peter.albano@colliersengineering.com

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## Antenna Mount Post-Modification Inspection Report

PMI

SMART Tool Project #: 10068150  
Maser Consulting Connecticut Project #: 21777099A

December 28, 2021

### Site Information

*Site ID:* 467144-VZW / MIDDLEFIELD SOUTH CT  
*Site Name:* MIDDLEFIELD SOUTH CT  
*Carrier Name:* Verizon Wireless  
*Address:* 393 Jackson Hill Road  
Middlefield, Connecticut 06455  
Middlesex County  
*Latitude:* 41.517378°  
*Longitude:* -72.714314°

### Structure Information

*Tower Type:* Monopole  
*Mount Type:* 12.50-Ft Platform

**FUZE ID # 16244625**

**Inspection Result: Pass**

Report Prepared By: Frank Centone

## **Executive Summary:**

The objective of this report is to confirm that the proposed modification has been completed in accordance with the modification design drawings listed below. Maser Consulting did not visit the site and was not present during construction.

Based on our review of the provided modification photos, it is our opinion that the modification **has been completed** in accordance with the modification design drawings.

## **Project Closeout Documents:**

<b>Document Type</b>	<b>Remarks</b>
<i>Previous Mount Modification</i>	<i>Maser Consulting Connecticut, Project #: 21777099A, dated April 30, 2021</i>
<i>Mount Analysis</i>	<i>Maser Consulting Connecticut, Project #: 21777099A, dated April 30, 2021</i>
<i>Material Packing List/Invoice</i>	<i>Metro Site Fabricators, LLC., Number: 28255, dated November 15, 2021</i>
<i>Signed Post Modification Inspection (PMI) Report Requirements Checklist*</i>	<i>Eastern Communications, dated December 3, 2021</i>
<i>Contractor As-Built Drawings</i>	<i>ProTerra Design Group, LLC., Fuze ID: 16244625, dated July 8, 2021</i>
<i>Contractor Radio Frequency Data Sheet (RFDS)</i>	<i>Verizon RFDS Site ID: 674965, dated June 9, 2021</i>
<i>Modification Photos*</i>	<i>Eastern Communications, dated December 3, 2021</i>

\*GC is required to provide the documentation per the Post Modification Inspection (PMI) Report Requirements section of the mount analysis report.

## **Post-Modification Inspection Summary:**

### **Modification:**

#### Antennas

- Install (6) JAHH-65B-R3B antenna, (2) per sector
- Install (3) MT6407-77A antenna, (1) per sector
- Install (3) B2/B66A radio, (1) per sector
- Install (3) B5/B13 radio, (1) per sector
- Install (3) CBC diplexer, (1) per sector

#### Steel

- Install support rail kit above existing face horizontal
- Replace mount pipe in position 3 of all sectors with a P2 1/2 STD pipe

### **Deviations:**

#### Antennas

- N/A

#### Steel

- N/A

Comments: N/A

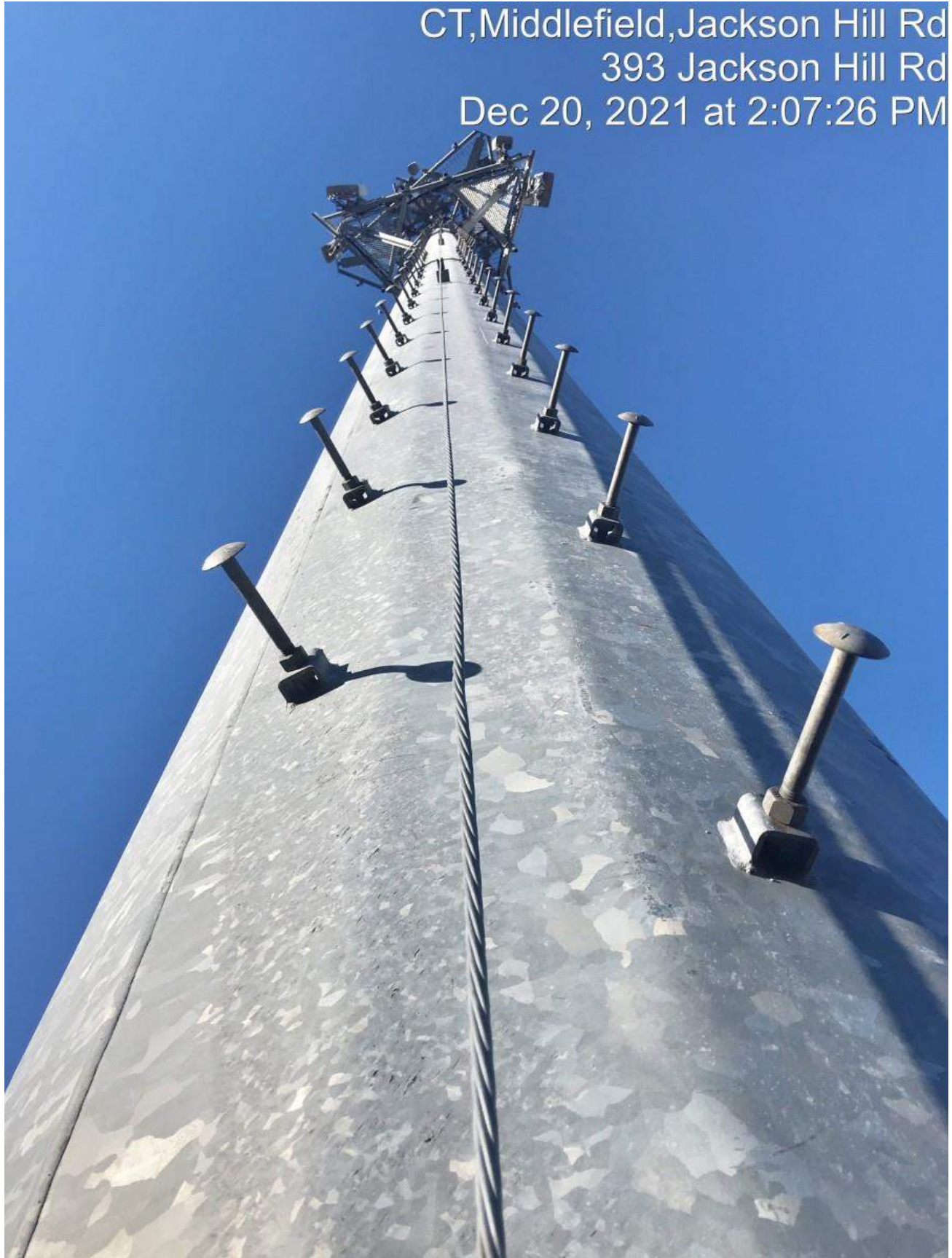
## **Contractor certifies that the climbing facility / safety climb was not damaged during installation:**

Yes       No

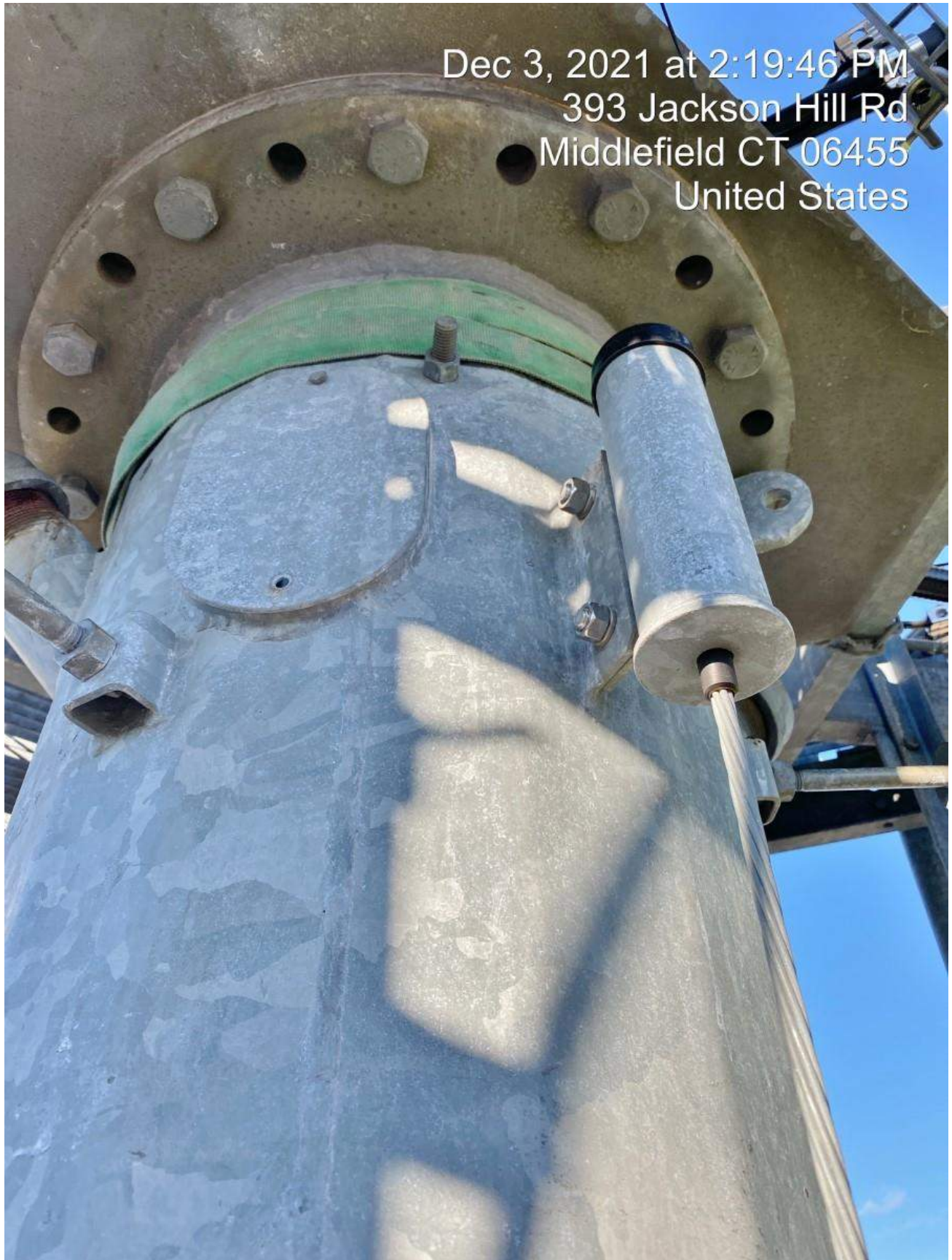
**Comments:** Safety climb wire rope guide installed to existing collar threaded rods.

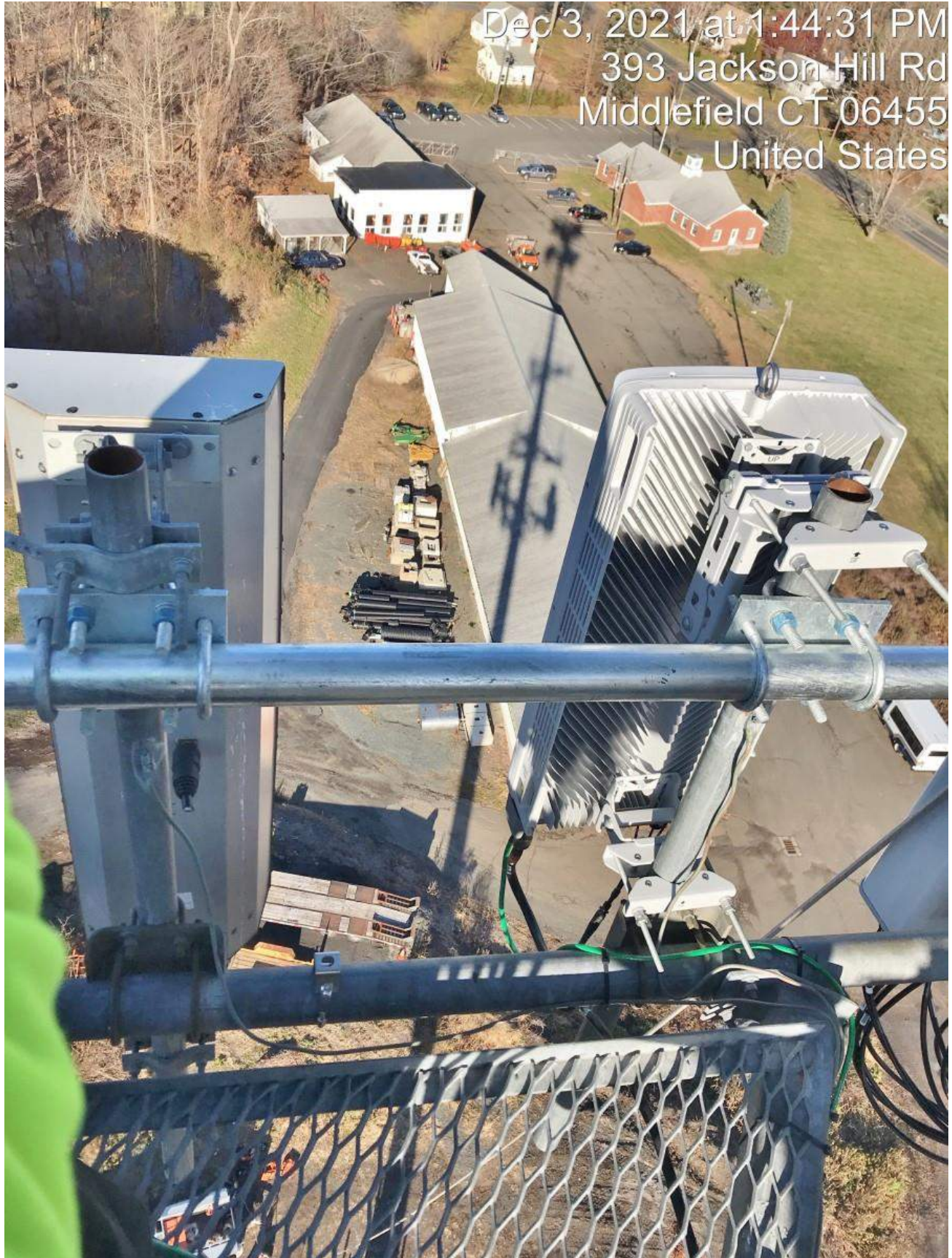


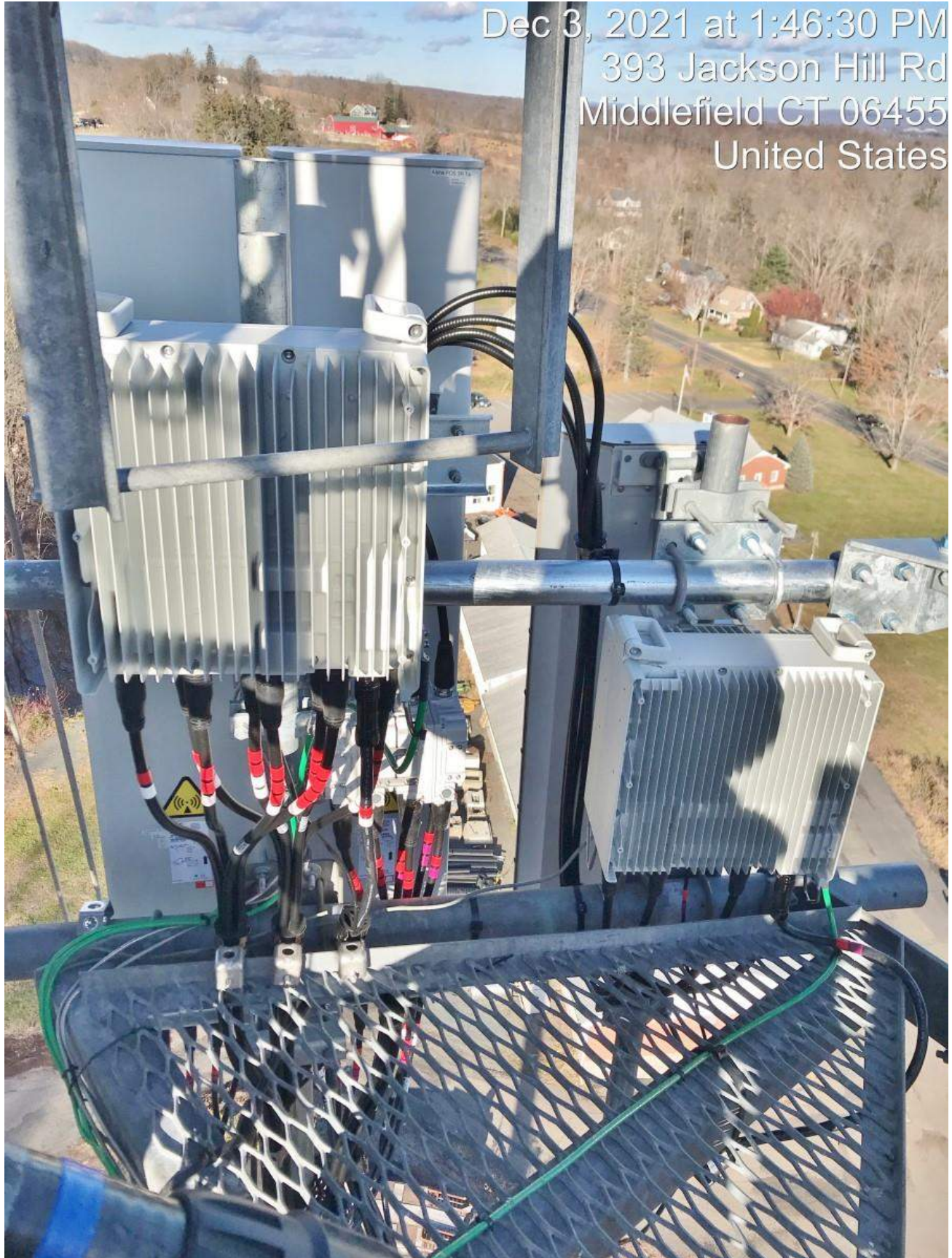




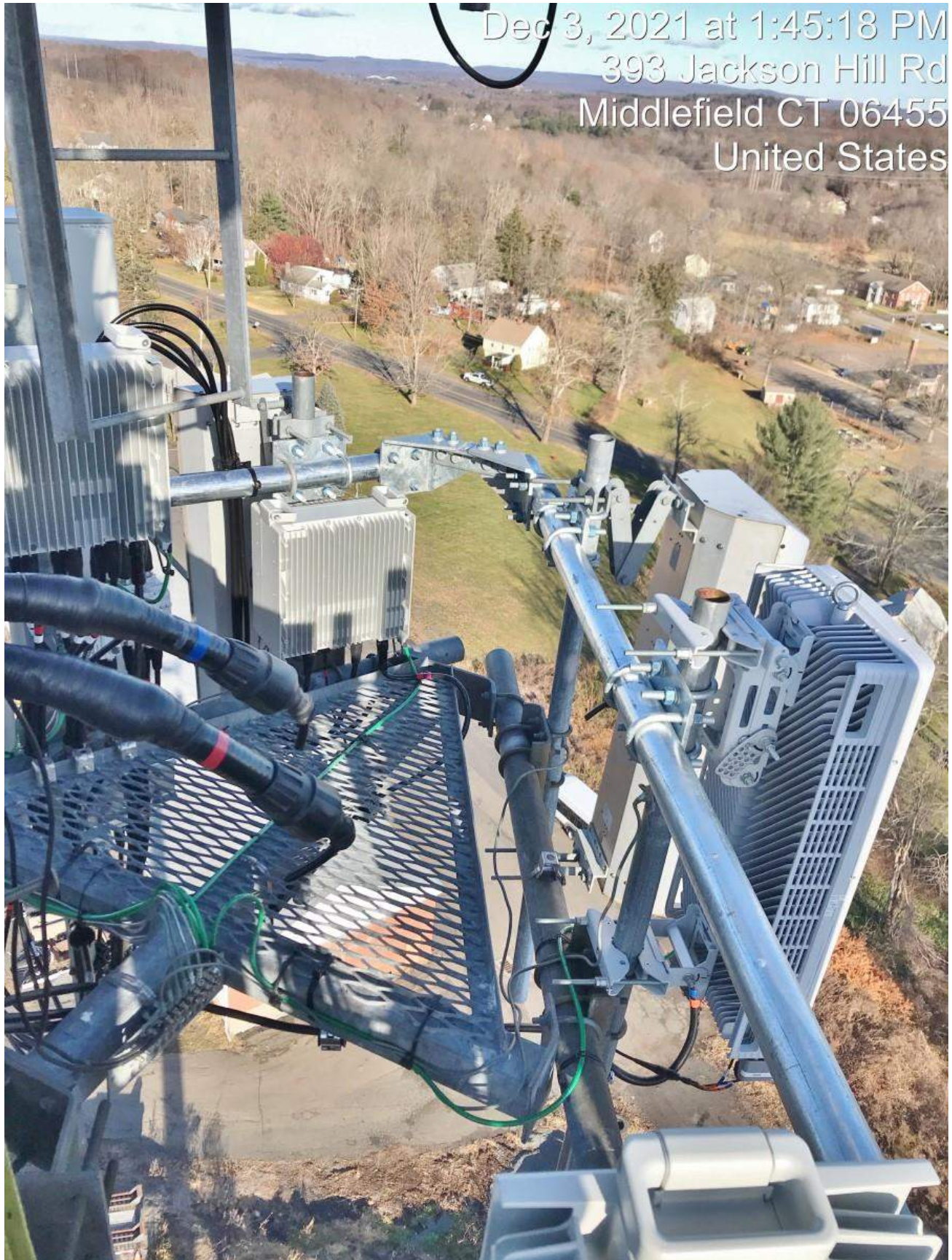


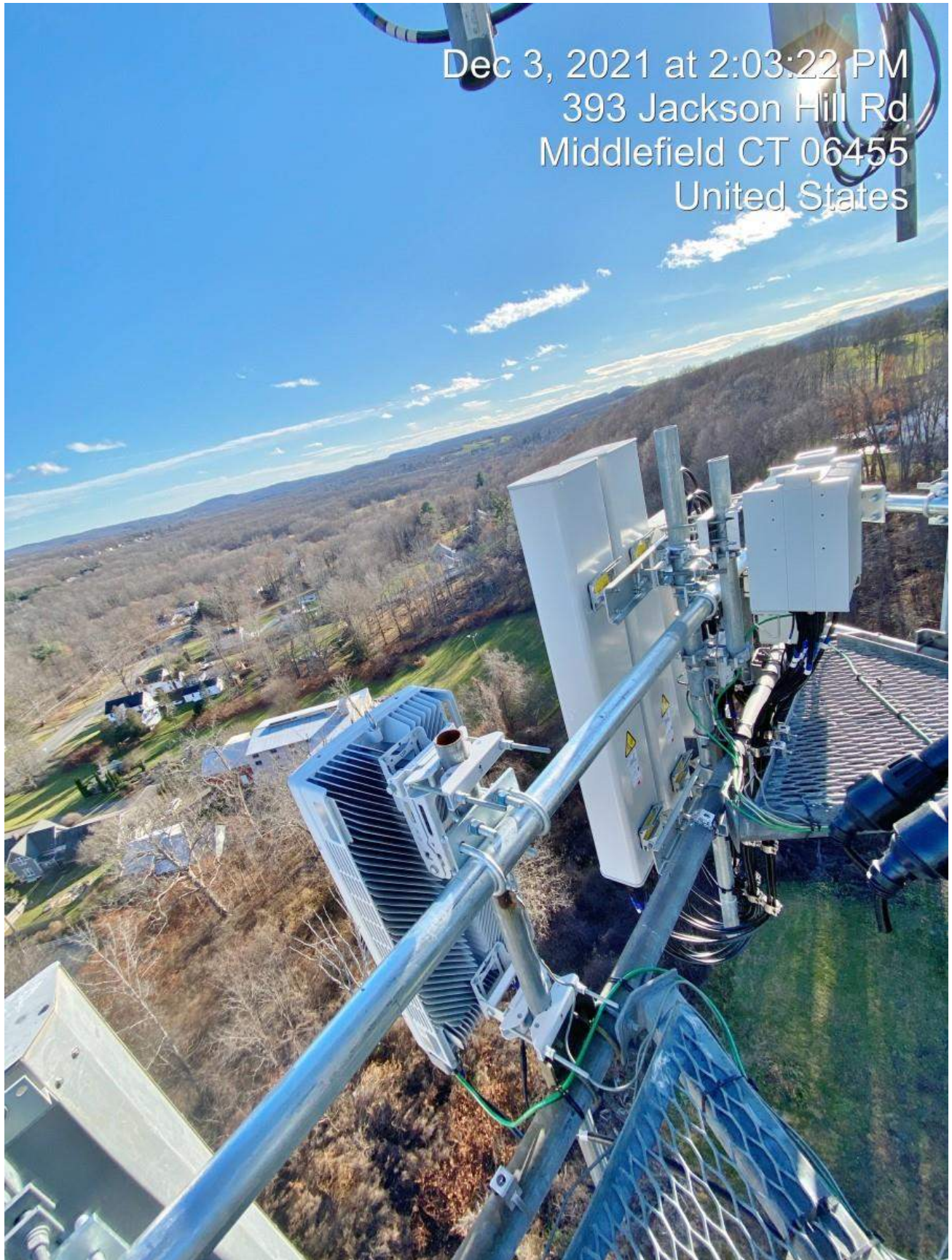






Dec 3, 2021 at 1:46:30 PM  
393 Jackson Hill Rd  
Middlefield CT 06455  
United States

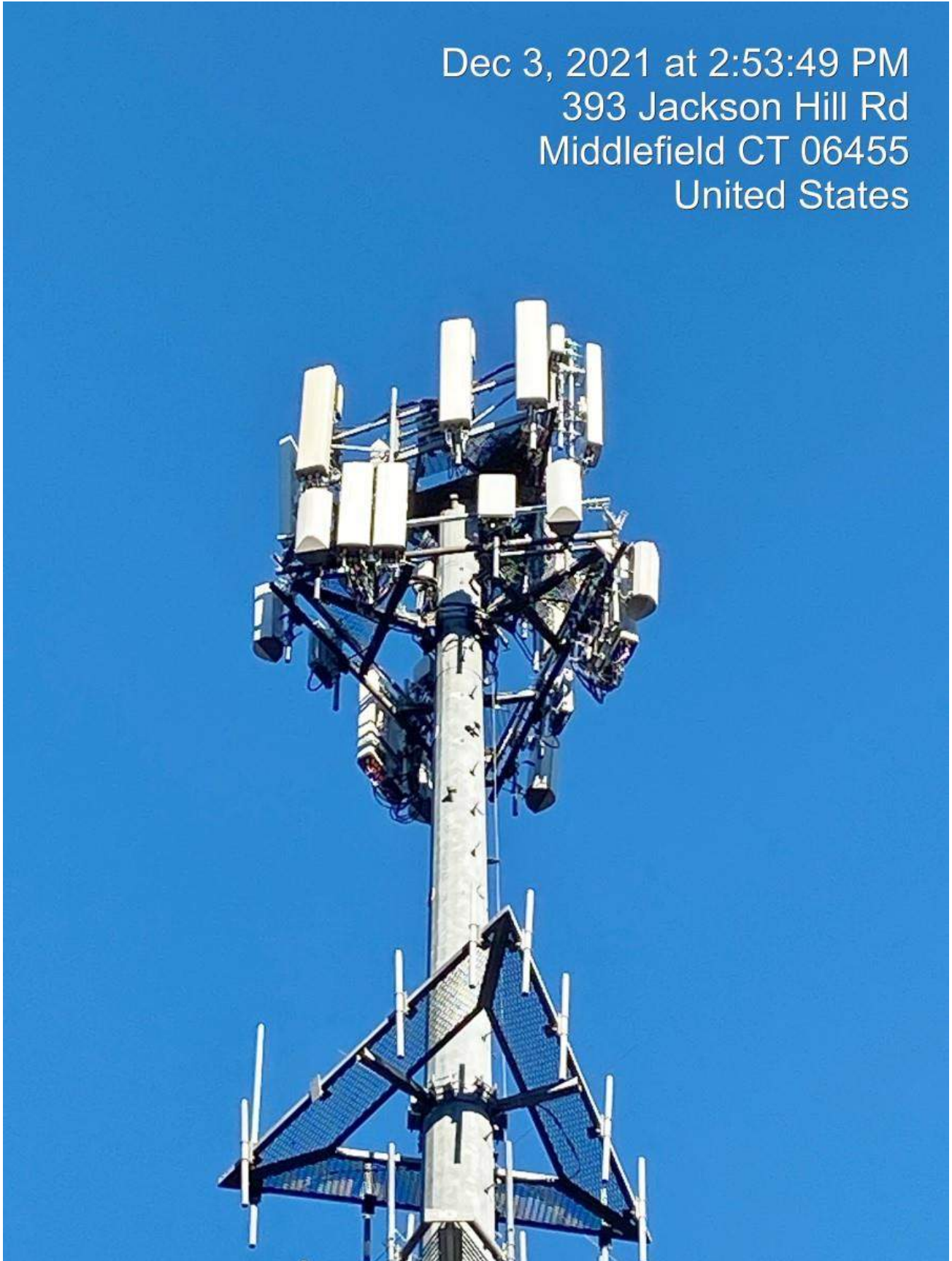








Dec 3, 2021 at 2:53:49 PM  
393 Jackson Hill Rd  
Middlefield CT 06455  
United States



# Mount Desktop – Post Modification Inspection (PMI) Report Requirements

## Documents & Photos Required from Contractor – Mount Modification

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**Purpose** – to provide Maser Consulting Connecticut the proper documentation in order to complete the required Mount Desktop review of the Post Modification Inspection Report.

- Contractor is responsible for making certain the photos provided as noted below provide confirmation that the modification was completed in accordance with the modification drawings.
- Contractor shall relay any data that can impact the performance of the mount or the mount modification, this includes safety issues.

### **Base Requirements:**

- Any special photos outside of the standard requirements will be indicated on the drawings
- Provide “as built drawings” showing contractor’s name, preparer’s signature, and date. Any deviations from the drawings (proposed modification) must be shown.
- Notation that all hardware was properly installed, and the existing hardware was inspected for any issues.
- Verification that loading is as communicated in the modification drawings. NOTE If loading is different than what is conveyed in the modification drawing contact Maser Consulting Connecticut immediately.
- Each photo should be time and date stamped
- Photos should be high resolution and submitted in a Zip File and should be organized in the file structure as depicted in Schedule A attached.
- Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope.
- The photos in the file structure should be uploaded to <https://pmi.vzwsmart.com> as depicted on the drawings

### **Photo Requirements:**

- Base and “During Installation Photos”
  - Base pictures include
    - Photo of Gate Signs showing the tower owner, site name, and number
    - Photo of carrier shelter showing the carrier site name and number if available
    - Photos of the galvanizing compound and/or paint used (if applicable), clearly showing the label and name
  - “During Installation Photos if provided - must be placed only in this folder
- Photos taken at ground level
  - Overall tower structure before and after installation of the modifications
  - Photos of the appropriate mount before and after installation of the modifications; if the mounts are at different rad elevations, pictures must be provided for all elevations that the modifications were installed

- Photos taken at Mount Elevation

- Photos showing each individual sector before and also after installation of modifications. Each entire sector must be in one photo to show in the inter-connection of members.
  - These photos should also certify that the placement and geometry of the equipment on the mount is as depicted on the sketch and table in the mount analysis
- Close-up photos of each installed modification per the modification drawings; pictures should also include connection hardware (U-bolts, bolts, nuts, all-threaded rods, etc.)
- Photos showing the measurements of the installed modification member sizes (i.e. lengths, widths, depths, diameters, thicknesses)
- Photos showing the elevation or distances of the installed modifications from the appropriate reference locations shown in the modification drawings
- Photos showing the installed modifications onto the tower with tape drop measurements (if applicable) (i.e. ring/collar mounts, tie-backs, V-bracing kits, etc.); if the existing mount elevation needs to be changed according to the modification drawings, a tape drop measurement shall be provided before the elevation change
- Photos showing the safety climb wire rope above and below the mount prior to modification.
- Photos showing the climbing facility and safety climb if present.

**Material Certification:**

- Materials utilized must be as per specification on the drawings or the equivalent as validated by Maser Consulting Connecticut.
  - If the drawings are as specified on the drawings
    - The contractor should provide the packing list or the materials utilized to perform the mount modification
  - If an equivalent is utilized
    - It is required that the Maser Consulting Connecticut certification of such is included in the contractor submission package. There may be an additional charge for this certification if the equivalent submission doesn't meet specifications as prescribed in the drawings.
- The contractor must certify that the materials meet these specifications by one of these methods.

The Material utilized was as specified on the Maser Consulting Connecticut Mount Modification Drawings and included in the Material certification folder is a packing list or invoice for these materials

The material utilized was an "equivalent" and included as part of the contractor submission is the Maser Consulting Connecticut certification, invoices, or specifications validating accepted status

Certifying Individual: Company Eastern Communicat, VA S  
Name William Edwards 860-308-4951

Signature

*W. Edwards*

**Antenna & equipment placement and Geometry Confirmation:**

- The contractor must certify that the antenna & equipment placement and geometry is in accordance with the antenna placement diagrams as included in this mount analysis.
- The contractor certifies that the photos support and the equipment on the mount is as depicted on the antenna placement diagrams as included in this mount analysis.
- The contractor notes that the equipment on the mount is not in accordance with the antenna placement diagrams and has accordingly marked up the diagrams or provided a diagram outlining the differences.

Certifying Individual:

Company

*Eastern Communications*

Name

*William Edwards 860-308-4981*

Signature

*W. Edwards*

**Special Instructions / Validation as required from the MA or Mod Drawings:**

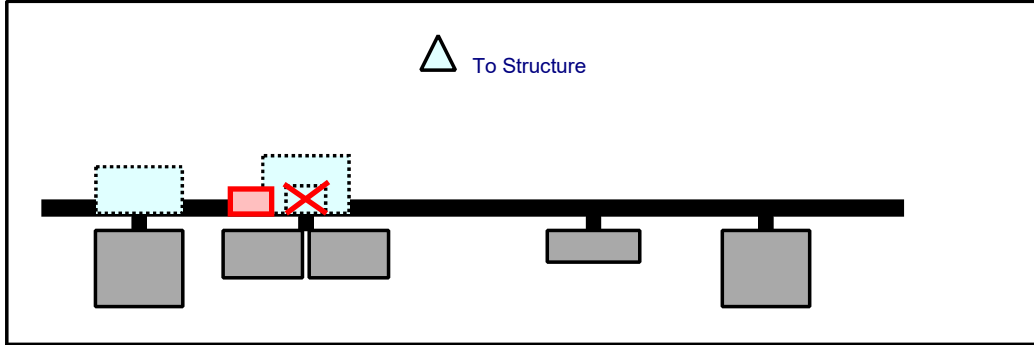
**Issue:**

Contractor shall install new safety climb wire rope guides to the threaded rods of the existing and proposed mount collar assemblies to prevent interference with mount connection.

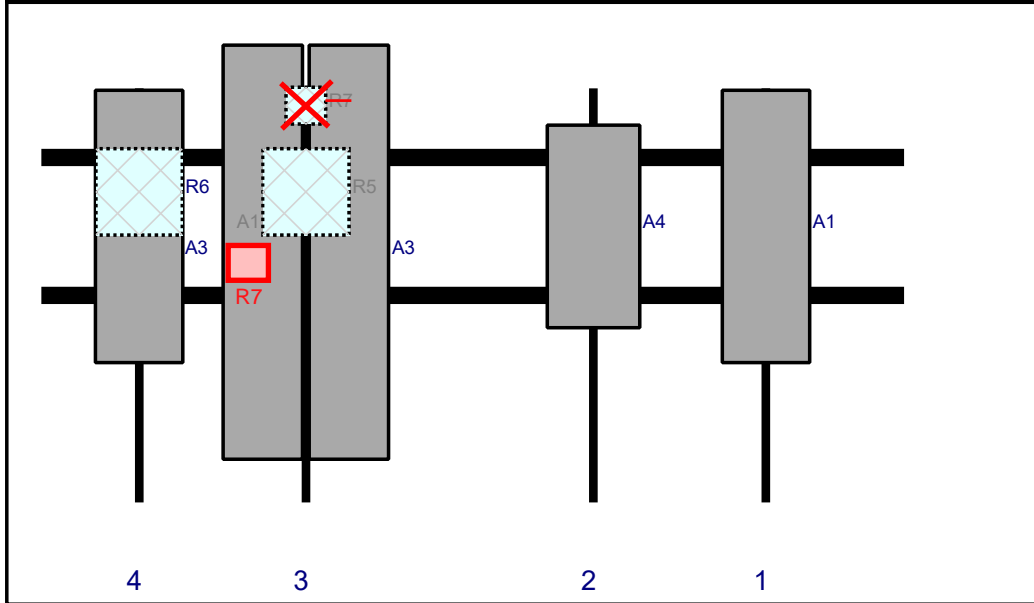
**Response:**

*Install new Wire Rope guides on existing collar Mount.*

Plan View

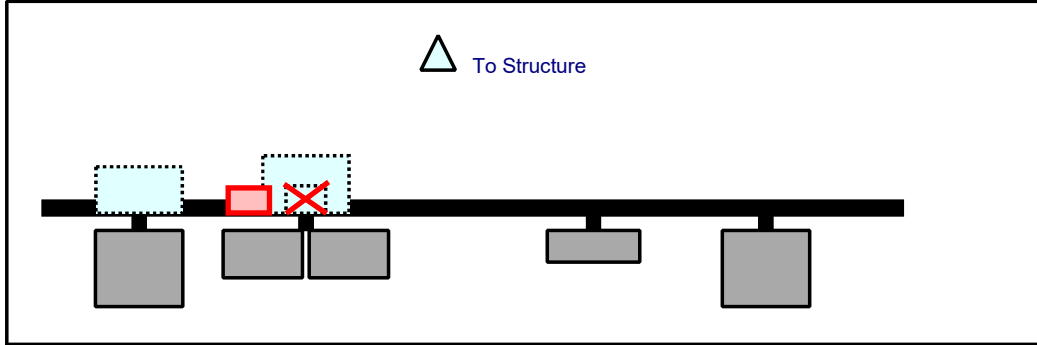


Front View  
Looking at Structure

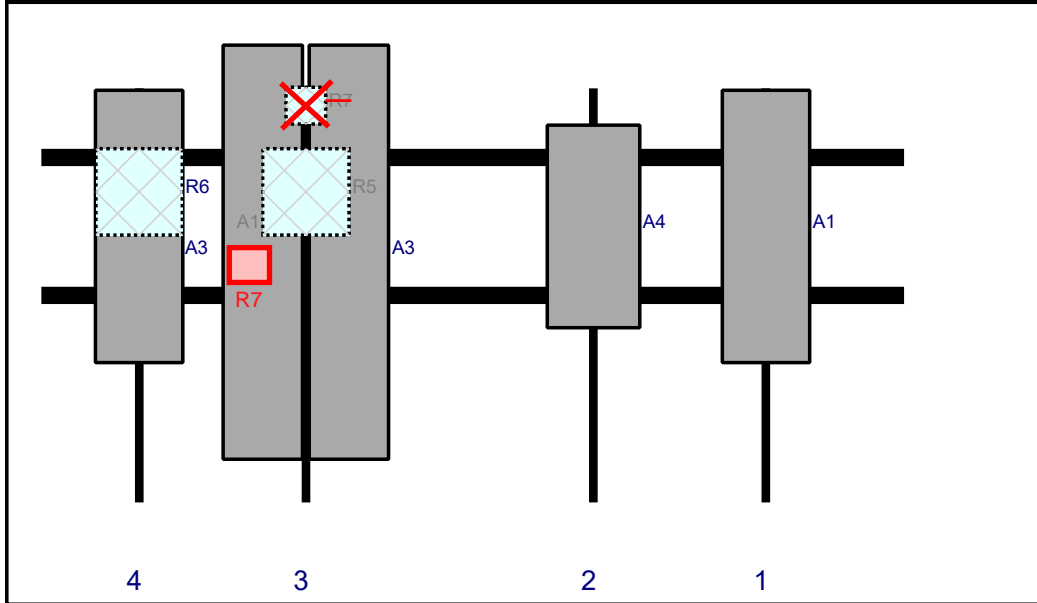


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	LPA-80063/4CF	47.4	15.2	126	1	a	Front	24	0	Retained	02/20/2021
A4	MT6407-77A	35.2	16.06	96	2	a	Front	24	0	Added	
A3	JAHH-65B-R3B	72	13.8	46	3	a	Front	28.5	7.5	Added	
A3	JAHH-65B-R3B	72	13.8	46	3	b	Front	28.5	-7.5	Added	
R5	B2/B66A RRH-BR049	15	15	46	3	a	Behind	18	0	Added	
R7	CBC78T-DS-43-2X	6.4	6.9	46	3	a	Behind	3	0	Added	
A1	LPA-80063/4CF	47.4	15.2	17	4	a	Front	24	0	Retained	02/20/2021
R6	B5/B13 RRH-BR04C	15	15	17	4	a	Behind	18	0	Added	

Plan View

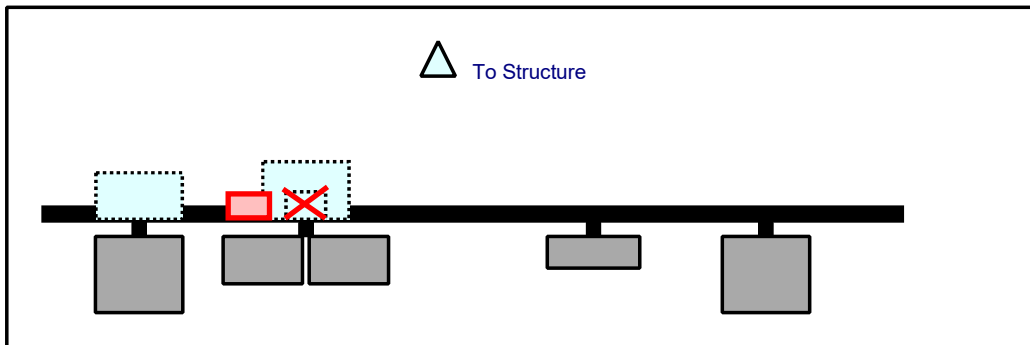


Front View  
Looking at Structure

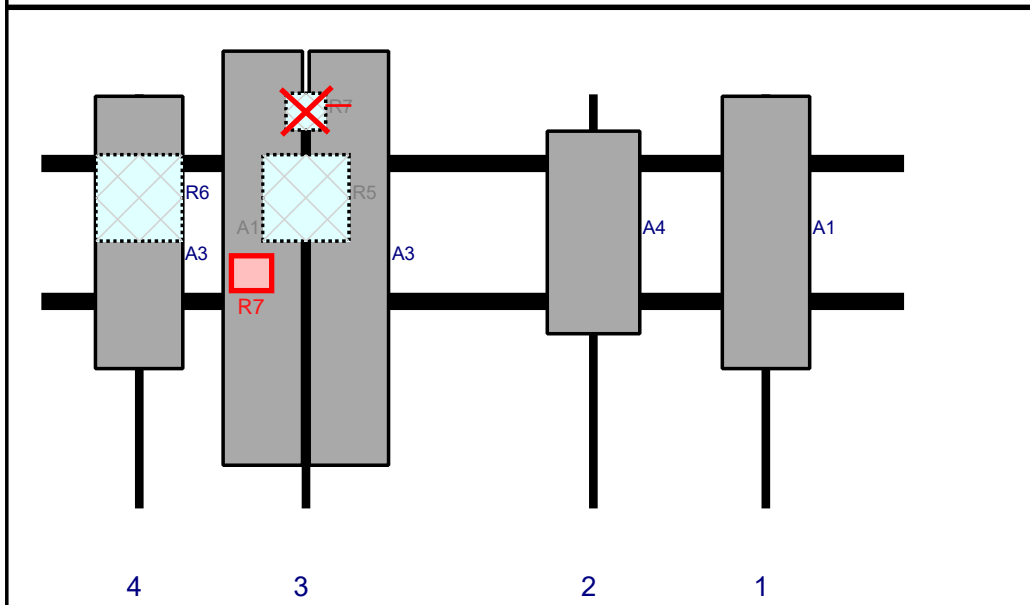


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
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A1	LPA-80063/4CF	47.4	15.2	17	4	a	Front	24	0	Retained	02/20/2021
R6	B5/B13 RRH-BR04C	15	15	17	4	a	Behind	18	0	Added	

Plan View



Front View  
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	LPA-80063/4CF	47.4	15.2	126	1	a	Front	24	0	Retained	02/20/2021
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A3	JAHH-65B-R3B	72	13.8	46	3	a	Front	28.5	7.5	Added	
A3	JAHH-65B-R3B	72	13.8	46	3	b	Front	28.5	-7.5	Added	
R5	B2/B66A RRH-BR049	15	15	46	3	a	Behind	18	0	Added	
R7	CBC78T-DS-43-2X	6.4	6.9	46	3	a	Behind	3	0	Added	
A1	LPA-80063/4CF	47.4	15.2	17	4	a	Front	24	0	Retained	02/20/2021
R6	B5/B13 RRH-BR04C	15	15	17	4	a	Behind	18	0	Added	



**From:** [Greg Dulnik](#)  
**To:** [Will Edwards](#)  
**Cc:** [Steven Slade](#); [Cindy Morton](#); [Peter Albano](#); [Nathan LaPorte](#)  
**Subject:** RE: Middlefield South project# 21777099A  
**Date:** Monday, November 22, 2021 10:37:26 AM

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Good morning Will,

Per our call and your discussion with Derek, the new support rail is at only 2'. This gives insufficient room above the grating for running lines out the bottom. So the RRHs need to straddle over the support rail. To do this, it is proposed to use a 24" to 30" length of P2 STD pipe and two parallel pipe clamps to support a parallel pipe inside the support rail. This is approved and will be saved in our files for reference during the PMI. Let me know if you need anything else.

Thank you.

**Greg Dulnik**

Assistant Project Manager

Brentwood, Tennessee

[greg.dulnik@colliersengineering.com](mailto:greg.dulnik@colliersengineering.com)

Main: 877 627 3772 | Direct: 615 442 3902 | Mobile: 615 974 8305

[colliersengineering.com](http://colliersengineering.com)

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**From:** Greg Dulnik

**Sent:** Thursday, November 11, 2021 2:07 PM

**To:** Will Edwards <[wedwards@easterncomm.com](mailto:wedwards@easterncomm.com)>

**Cc:** Steven Slade <[sslade@easterncomm.com](mailto:sslade@easterncomm.com)>; Cindy Morton <[cmorton@easterncomm.com](mailto:cmorton@easterncomm.com)>; Peter Albano <[peter.albano@colliersengineering.com](mailto:peter.albano@colliersengineering.com)>; Nathan LaPorte <[nathan.laporte@colliersengineering.com](mailto:nathan.laporte@colliersengineering.com)>

**Subject:** RE: Middlefield South project# 21777099A

Good afternoon Will,

We are pending confirmation from VzW but they said that the intent was not to change the ACL so if you match the existing (138') I believe we will be in line with the design.

The radio relocations will have a negligible change in the capacity so this would just need to be redlined during the PMI process.

I will save this email in our records for reference. Let me know if you need anything else at this time.

Thank you.

**Greg Dulnik**

Assistant Project Manager

Brentwood, Tennessee

[greg.dulnik@colliersengineering.com](mailto:greg.dulnik@colliersengineering.com)

Main: 877 627 3772 | Direct: 615 442 3902 | Mobile: 615 974 8305

[colliersengineering.com](http://colliersengineering.com)

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timely, secure, error or virus free. The sender does not accept liability for any errors or omissions.  
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**From:** Will Edwards <[wedwards@easterncomm.com](mailto:wedwards@easterncomm.com)>

**Sent:** Thursday, November 11, 2021 11:34 AM

**To:** Greg Dulnik <[greg.dulnik@colliersengineering.com](mailto:greg.dulnik@colliersengineering.com)>

**Cc:** Steven Slade <[sslade@easterncomm.com](mailto:sslade@easterncomm.com)>; Cindy Morton <[cmorton@easterncomm.com](mailto:cmorton@easterncomm.com)>

**Subject:** Middlefield South project# 21777099A

Hi Greg,

As discussed the platform on this site is at 137'. Existing antenna center is 138'. RFDS calls for antenna center to be at 140'. If we mount antennas at 140' will the mount still pass and would you want to change hand rail height?

Also we would like to swap positions of the radios and put the B2/B66 radios in position 4 and the B5/B13 radios in position 3. Will this affect the MA, and can you note it in your PMI report.

Thank you,  
Will Edwards



103R Old Windsor Road Bloomfield, CT 06002 | Office: 860-242-8100 | Cell:860-308-4951 |  
Fax: 860-242-8103