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Also admitted in Massachusetts  
and New York

May 1, 2023

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

Re: **EM-VER-128-220412 – Cellco Partnership d/b/a Verizon Wireless  
Telecommunications Facility, 225 Grist Mill Road, Simsbury, Connecticut**

### **Completion of Construction**

Dear Attorney Bachman:

The purpose of this letter is to notify the Siting Council that construction activity associated with the above-referenced facility modification has been completed.

As required by the Council's approval, attached is a Modification Inspection Report from Tower Engineering Solutions dated April 26, 2023, verifying that the facility modifications were completed in accordance with the recommendations of the Structural Analysis. Photographs of the completed improvements are also attached.

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

Sincerely,



Kenneth C. Baldwin

Attachment

Copy to:

Aleksey Tyurin



**Tower Engineering Solutions**

Phone (972) 483-0607, Fax (972) 975-9615  
1320 Greenway Drive, Suite 600, Irving, Texas 75038

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## Modification Inspection Report

**Existing 150.00-Ft Rohn Monopole**  
**Customer Name: SBA Communications Corp**  
**Customer Site Number: CT10022-A**  
**Customer Site Name: Simsbury 2, CT**  
**Carrier Name: Verizon**  
**Carrier Site ID / Name: 467522 / SIMSBURY\_CT**  
**Site Location: 225 Grist Mill Road**  
**Simsbury, Connecticut**  
**Hartford County**  
**Latitude: 41.866708**  
**Longitude: -72.815772**

**Inspection Result: [PASS]**

**Report Prepared By: Cesar Rojas**





**Tower Engineering Solutions**

Phone (972) 483-0607, Fax (972) 975-9615  
1320 Greenway Drive, Suite 600, Irving, Texas 75038

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## **Modification Inspection Report**

**Existing 150.00-Ft Rohn Monopole**

**Customer Name: SBA Communications Corp**

**Customer Site Number: CT10022-A**

**Customer Site Name: Simsbury 2, CT**

**Carrier Name: Verizon**

**Carrier Site ID / Name: 467522 / SIMSBURY\_CT**

**Site Location: 225 Grist Mill Road**

**Simsbury, Connecticut**

**Hartford County**

**Latitude: 41.866708**

**Longitude: -72.815772**

**Inspection Result: [PASS]**

**Report Prepared By: Cesar Rojas**

## Introduction

The purpose of this modification Inspection Report is to summarize the modification has been completed in accordance with the modification drawings listed below. The designed modification is outlined under Modification Summary below.

Based on our review of the project closeout documents, we have determined that the modification **has been** completed in accordance with the design modification drawings. The noted deviations (if there is any) from the design were approved by TES and are documented in the modification summary below.

## Project Closeout Documents

|                                     |   |
|-------------------------------------|---|
| <b>Modification Design Drawings</b> | TES Job# 124082, dated 03/22/2022                   |
| <b>Contractor As-Built Drawing</b>  | Standard Wireless Group, dated 6/26/2022            |
| <b>Installation Photos</b>          | Attached  |
| <b>Post-Mod Report</b>              | TES Project number 124082, dated: February 21, 2022 |

## Modification Summary and Photos

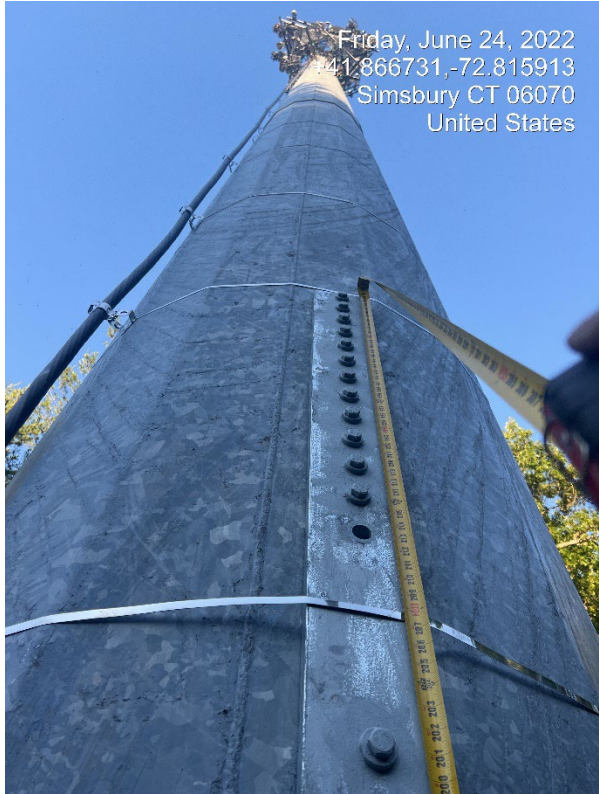
Modification: Install reinforcing plates from 1' to 21' and anchor bolts.

Deviations: None.

Comments: No deficiencies found.









# MODIFICATION AND DESIGN DRAWINGS FOR AN EXISTING 150' ROHN MONOPOLE TOWER

PROPOSED CARRIER: VERIZON

SITE: CT10022-A-SBA / SIMSBURY 2, CT  
 COORDINATES (LATITUDE: 41.866708°, LONGITUDE: -72.815772°)

### CONSTRUCTION CLASS

THE RIGGING PLAN FOR THIS SITE WOULD BE A MINIMUM OF A CLASS III AND THE CONTRACTOR SHALL MAKE FINAL DETERMINATION

PER THE INTERNATIONAL BUILDING CODE THIS STRUCTURE IS CLASSIFIED AS:

1. CONSTRUCTION TYPE II-B (TABLE 601)
2. GROUP U OCCUPANCY (SECTION 312.1 UNOCCUPIED TOWER SITE)



Tower Engineering Solutions  
 1320 GREENWAY DRIVE, SUITE 600  
 IRVING, TX 75038  
 PHONE: (972) 483-0607



5900 BROKEN SOUND PARKWAY, NW  
 BOCA RATON, FL 33487  
 (800)-487-SITE

TES JOB NO:  
 124082

CUSTOMER SITE NO:  
 CT10022-A-SBA  
 CUSTOMER SITE NAME:  
 SIMSBURY 2, CT  
 225 GRIST MILL ROAD  
 SIMSBURY, CT 06070



DRAWN BY: BS CHECKED BY: KA/AD

| REV. | DESCRIPTION | BY | DATE     |
|------|-------------|----|----------|
| 1    | FIRST ISSUE | BS | 03/02/22 |
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SHEET TITLE:  
 TITLE SHEET

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SHEET NUMBER: T-1 REV #: 0

PLEASE NOTE THIS SET OF DRAWINGS IS FOR INSTALLATION AND ASSEMBLY ONLY. FABRICATION DETAIL DRAWINGS ARE NOT PROVIDED AND MUST BE COMPLETED BY THE STEEL FABRICATOR SELECTED. TES CAN PROVIDE THE FABRICATION DETAIL DRAWINGS FOR AN ADDITIONAL FEE.

| SHEET  | SHEET TITLE                                    | REV |
|--------|--|-----|
| T-1    | TITLE SHEET                                    | 0   |
| BOM    | BILL OF MATERIALS                              | 0   |
| GN-1   | GENERAL NOTES                                  | 0   |
| A-1    | TOWER PROFILE                                  | 0   |
| A-2    | INSTALLATION OF NEW ANCHOR ROD DETAILS         | 0   |
| A-3    | REINFORCEMENT ASSEMBLY                         | 0   |
| SPEC-1 | NEXGEN2 BLIND BOLT ASSEMBLY INSTALLATION GUIDE | 0   |
| SPEC-2 | NEXGEN2 BLIND BOLT ASSEMBLY INSTALLATION GUIDE | 0   |
|        |  |     |
|        |  |     |

NOTE:

1. THE MODIFICATION DRAWINGS ARE BASED ON THE TES PROJECT NO. 123348, DATED 02/10/2022.





**GENERAL NOTES**

1. ALL WORK SHALL COMPLY WITH THE ANSI/TIA-222-G, ANSI/ASSP A10.48, 2018 CONNECTICUT STATE BUILDING CODE AND ANY OTHER GOVERNING BUILDING CODES AND OSHA SAFETY REGULATIONS.
2. ALL WORK INDICATED ON THE DRAWINGS SHALL BE PERFORMED BY QUALIFIED CONTRACTORS EXPERIENCED IN TELECOMMUNICATIONS TOWER, POLE AND FOUNDATION CONSTRUCTION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND FABRICATION OF ALL MISCELLANEOUS PARTS (SUCH AS SHIMS), TEMPORARY SUPPORTS, AND GUYINGS, ETC., PER ANSI/ASSP A10.48, TO COMPLETE THE ASSEMBLY AS SHOWN IN THE DRAWINGS.
4. CONTRACTOR SHALL PROCEED WITH THE INSTALLATION WORK CAREFULLY SO THE WORK WILL NOT DAMAGE ANY EXISTING CABLE, EQUIPMENT OR THE STRUCTURE.
5. THE USE OF GAS TORCH OR WELDER, ARE NOT ALLOWED ON ANY TOWER STRUCTURE WITHOUT THE CONSENT OF THE TOWER OWNER.
6. GENERALLY THE CONTRACTOR IS RESPONSIBLE TO CONDUCT AN ONSITE VISIT SURVEY OF THE JOB SITE AFTER AWARD, AND REPORT ANY ISSUES WITH THE SITE TO **TES** BEFORE PROCEEDING CONSTRUCTION.

**FABRICATION**

1. ALL STEEL SHALL MEET OR EXCEED THE MINIMUM STRENGTH AS SPECIFIED IN THE DRAWINGS. IF YIELD STRENGTH WAS NOT NOTED IN THE DRAWINGS, CONTRACTORS SHALL CONTACT TES FOR DIRECTION.
2. ALL FIELD CUT EDGES SHALL BE GROUND SMOOTH. ALL FIELD CUT AND DRILLED SURFACES SHALL BE REPAIRED WITH A MINIMUM OF TWO COATS OF ZINGA COLD GALVANIZING COMPOUND PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.

**WELDING**

1. ALL WELDING SHALL BE PERFORMED BY AWS CERTIFIED WELDERS AND IN ACCORDANCE WITH THE LATEST EDITION OF THE AWS WELDING CODE D1.1. ALL ELECTRODES TO BE LOW HYDROGEN, MATCHING FILLER METAL, PER AWS D1.1, UNO. (E70XX UNLESS NOTED OTHERWISE).
2. PRIOR TO FIELD WELDING GALVANIZED MATERIAL, CONTRACTOR SHALL GRIND OFF GALVANIZING APPROX. 0.5" BEYOND THE PROPOSED FIELD WELD SURFACES.
3. ALL WELDS SHALL BE INSPECTED VISUALLY. A MINIMUM OF 25% OF WELDS SHALL BE INSPECTED WITH DYE PENETRANT OR MAGNETIC PARTICLE TO MEET THE ACCEPTANCE CRITERIA OF AWS D1.1. 100% OF WELDS SHALL BE INSPECTED IF DEFECTS ARE FOUND.
4. WELD INSPECTIONS SHALL BE PERFORMED BY AN AWS CERTIFIED WELD INSPECTOR.
5. AFTER INSPECTION, ALL FIELD WELDED SURFACES SHALL BE REPAIRED WITH A MINIMUM OF TWO COATS OF ZINGA COLD GALVANIZING COMPOUND PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.

**BOLTED ASSEMBLIES AND TIGHTENING OF CONNECTIONS**

1. ALL HIGH STRENGTH BOLTS SHALL CONFORM TO THE PROVISIONS OF THE SPECIFICATIONS FOR STRUCTURAL JOINTS USING A325 OR A490 BOLTS AS APPROVED BY THE RCSC.
2. FLANGE BOLTS SHALL BE TIGHTENED BY THE AISC "TURN-OF-THE-NUT" METHOD. THE FOLLOWING TABLE SHOULD BE USED FOR THE "TURN-OF-THE-NUT" TIGHTENING.
3. SPLICE BOLTS AND ALL OTHER BOLTS IN BEARING TYPE CONNECTIONS SHALL BE TIGHTENED TO A SNUG-TIGHT CONDITION.
4. THE SNUG-TIGHT CONDITION IS DEFINED AS THE TIGHTNESS ATTAINED BY EITHER A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF AN IRONWORKER WITH AN ORDINARY SPUD WRENCH TO BRING THE CONNECTED PLIES INTO FIRM CONTACT.
5. HB HOLLO-BOLT SHALL BE INSTALLED PER ICC ESR-3330 INSTRUCTIONS.

**VERIFICATION AND INSPECTION**

1. IF APPLICABLE, VERIFICATION INSPECTION TO BE PERFORMED SHALL BE IN ACCORDANCE TO IBC-2015 SECTION 1705 - FOR STEEL CONSTRUCTION & TABLE 1705.3 FOR CONCRETE CONSTRUCTION.

**POST INSTALLED EPOXY INJECTED ANCHOR BOLTS:**

1. CONCRETE MUST BE A MINIMUM OF 28 DAYS OLD.
2. FOLLOW MANUFACTURER'S REQUIREMENTS FOR CURE TIME VS. AMBIENT TEMPERATURE.
3. DRILL HOLE TO REQUIRED DIAMETER AND DEPTH. ALL WATER, DIRT, OIL, DEBRIS, GREASE OR DUST MUST BE REMOVED FROM EACH CORE HOLE. FOLLOW MANUFACTURER'S RECOMMENDATION FOR CORRECT TYPE OF CORE BIT. AVOID DAMAGING EXISTING REINFORCING STEEL OR OTHER EMBEDDED ITEMS. NOTIFY TES ENGINEERING IF VOIDS IN THE CONCRETE, REINFORCING STEEL OR OTHER EMBEDDED ITEMS ARE ENCOUNTERED. STOP CORING IMMEDIATELY IF THIS OCCURS.
4. A HOLE ROUGHENING DEVICE FROM EITHER HILTI OR ALLFASTENERS SHALL BE USED WITH ALL HOLES. FOLLOW ALL MANUFACTURER'S RECOMMENDED CORING AND INSTALLATION INSTRUCTIONS.
5. AFTER CORING AND ROUGHENING, FLUSH EACH HOLE WITH RUNNING WATER TO REMOVE ANY SLURRY OR DEBRIS. REMOVE ALL WATER FROM THE HOLE BY MECHANICAL PUMPING.
6. BRUSH EACH HOLE WITH AN APPROPRIATE SIZED NYLON BRUSH AND FLUSH WITH RUNNING WATER A SECOND TIME. REMOVE ALL WATER FROM THE HOLE.
7. AFTER THE SECOND WATER FLUSH BRUSH THE HOLE AGAIN WITH THE APPROPRIATE SIZED NYLON BRUSH.
8. BLOW EACH HOLE WITH COMPRESSED AIR TWO TIMES MINIMUM.
9. CONFIRM THAT EACH HOLE IS PROPERLY ROUGHED AND DRY.
10. NO EPOXY INJECTION SHALL TAKE PLACE IN RAINY CONDITIONS.
11. EPOXY SHOULD BE VISIBLE AT THE TOP OF THE CORE HOLE AFTER INSTALLATION.
12. CONTRACTOR TO SUPPLY ONE PHOTO OF EACH ROUGHED AND CLEANED HOLE IN CLOSEOUT PHOTO PACKAGE.

TABLE 8.2 NUT ROTATION FROM SNUG-TIGHT CONDITION FOR TURN-OF-NUT PRETENSIONING<sup>a,b</sup>

| BOLT LENGTH <sup>f</sup>                                     | DISPOSITION OF OUTER FACE OF BOLTED PARTS |  |  |
|--|---|--|--|
|  | BOTH FACES NORMAL TO BOLT AXIS            | ONE FACE NORMAL TO BOLT AXIS, OTHER SLOPED NOT MORE THAN 1:20 <sup>d</sup> | BOTH FACES SLOPED NOT MORE THAN 1:20 FROM NORMAL TO BOLT AXIS <sup>d</sup> |
| NOT MORE THAN 4d <sub>b</sub>                                | 1/3 TURN                                  | 1/2 TURN   | 2/3 TURN   |
| MORE THAN 4d <sub>b</sub> BUT NOT MORE THAN 8d <sub>b</sub>  | 1/2 TURN                                  | 2/3 TURN   | 5/6 TURN   |
| MORE THAN 8d <sub>b</sub> BUT NOT MORE THAN 12d <sub>b</sub> | 2/3 TURN                                  | 5/6 TURN   | 1 TURN   |

<sup>a</sup> NUT ROTATION IS RELATIVE TO BOLT REGARDLESS OF THE ELEMENT (NUT OR BOLT) BEING TURNED. FOR REQUIRED NUT ROTATIONS OF 1/2 TURN AND LESS, THE TOLERANCE IS PLUS OR MINUS 30 DEGREES; FOR REQUIRED NUT ROTATIONS OF 2/3 TURN AND MORE, THE TOLERANCE IS PLUS OR MINUS 45 DEGREES.

<sup>b</sup> APPLICABLE ONLY TO JOINTS IN WHICH ALL MATERIAL WITHIN THE GRIP IS STEEL.

<sup>c</sup> WHEN THE BOLT LENGTH EXCEEDS 12d<sub>b</sub>, THE REQUIRED NUT ROTATION SHALL BE DETERMINED BY ACTUAL TESTING IN A SUITABLE TENSION CALIBRATOR THAT SIMULATES THE CONDITIONS OF SOLIDLY FITTING STEEL.

<sup>d</sup> BEVELED WASHER NOT USED.

SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS, JUNE 30, 2004 RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS

**INSTALLATION TORQUE REQUIRED FOR HOLLO BOLTS AND AJAX BOLTS:**

1. HB12 HOLLO BOLT: 59 FT-LBS
2. HB16 HOLLO BOLT: 140 FT-LBS
3. HB20 HOLLO BOLT: 221 FT-LBS
4. M20 AJAX BOLT: 280 FT-LBS.

**FIELD HOT WORK PLAN NOTES:**

FOLLOWING GUIDELINES SHALL BE COMPLIED WITH:

1. CONTRACTOR'S RESPONSIBILITY TO COMPLETE A HOT WORK PLAN IF AWARDED PER CUSTOMER SPECIFICATIONS GUIDELINES FOR WELDING, CUTTING & SPARK PRODUCING WORK.
2. HAVE A FIRE PLAN APPROVED BY THE CUSTOMER AND THEIR SAFETY MANAGEMENT DEPT.
3. CONTRACTOR MUST OBTAIN THE CONTACT INFO OF THE LOCAL FIRE DEPARTMENT AND THE 911 ADDRESS OF THE TOWER SITE BEFORE CONSTRUCTION.
4. CONTRACTOR SHALL MAKE SURE THAT CELL PHONE COVERAGE IS AVAILABLE IN THE TOWER SITE. IF CELL COVERAGE IS NOT AVAILABLE, AN IMMEDIATE AVAILABLE MEANS OF DIRECT COMMUNICATION WITH THE FIRE DEPARTMENT SHALL BE DETERMINED PRIOR TO CONSTRUCTION START.
5. ALL CONSTRUCTION SHALL BE PERFORMED UNDER WIND SPEED LESS THAN 10 MPH ON THE GROUND LEVEL. IF WIND SPEED INCREASE, CONTRACTOR MUST DETERMINE IF CONSTRUCTION SHALL BE DISCONTINUED.
6. FIRE SUPPRESSION EQUIPMENT MUST BE MADE AVAILABLE ON SITE AND READY TO USE.
7. CONTRACTOR SHALL ASSIGN A FIRE WATCHER TO PERFORM FIRE-FIGHTING DUTIES.
8. ALL WELDERS SHALL BE AWS OR STATE CERTIFIED. THEY MUST ALSO BE EXPERIENCED IN WELDING ON GALVANIZED MATERIALS.
9. IF IT IS POSSIBLE, ALL EXISTING COAX NEAR WELDING AREA SHALL BE TEMPORARILY MOVED AWAY FROM THE WELDING AREA BEFORE WELDING THE PLATES.
10. PLEASE REPORT ANY FIELD ISSUE TO TES @ 972-483-0607.



**Tower Engineering Solutions**

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IRVING, TX 75038  
PHONE: (972) 483-0607



5900 BROKEN SOUND PARKWAY, NW  
BOCA RATON, FL 33487  
(800)-487-SITE

TES JOB NO:  
124082

CUSTOMER SITE NO:  
CT10022-A-SBA  
CUSTOMER SITE NAME:  
SIMSBURY 2, CT  
225 GRIST MILL ROAD  
SIMSBURY, CT 06070



6/26/22

*Handwritten signature*

DRAWN BY: BS | CHECKED BY: KA/AD

| REV. | DESCRIPTION | BY | DATE     |
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GN-1 | 0

**NOTES:**

1. TEMPORARILY RELOCATE ANY EXISTING COAX ATTACHED TO THE MONOPOLE AND ANY OTHER MEMBERS WHERE OBSTRUCTION WITH THE PROPOSED MODIFICATION MAY OCCUR.
2. TEMPORARY RELOCATION OF EXISTING EQUIPMENT AROUND THE FOUNDATION MAY BE REQUIRED DURING CONSTRUCTION.

**SCOPE OF WORK**

1. INSTALL NEW (3) ANCHOR ROD REINFORCEMENTS. SEE SHEET A-2 FOR DETAILS.
2. INSTALL NEW (2) LP6X125-BR4.75-20T AND (1) LP6X125-BL4.75-20T FLAT BAR REINFORCEMENTS FROM ±1'-0" TO ±21'-0" ELEV. SEE SHEET A-3 FOR DETAILS.
3. APPLY FOUNDATION COATING
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEAN-UP, REMOVAL AND DISPOSAL OF EXCESS MATERIALS USED AND REMOVED FROM THE STRUCTURE AT THE COMPLETION OF THE PROJECT.



PHOTO 1  
FOUNDATION

**FOUNDATION COATING NOTES:**

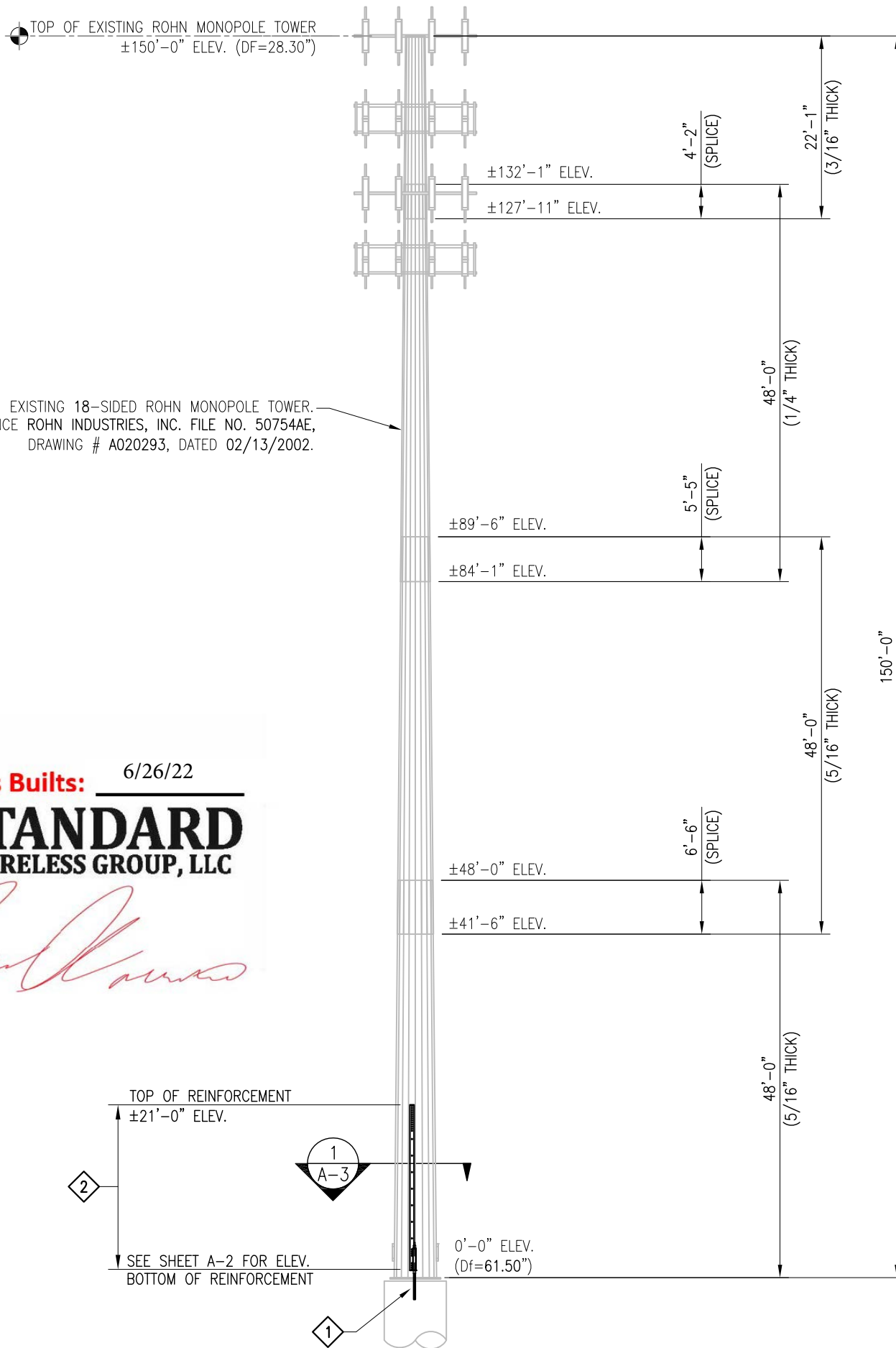
1. THE COATING MATERIALS SHALL BE LANCO WHITE ACRYLIC ELASTOMERIC COATING AND SEALER, OR HYDRO ARMOR COATING.
2. THE COATING CAN BE PLACED AT LEAST (2) DAYS AFTER THE PLACEMENT OF THE CONCRETE FOR FOUNDATION REINFORCEMENT, AND MINIMUM (4) DAYS FOR NEW FOUNDATION CONSTRUCTION.
3. THE CONCRETE SURFACE SHALL BE CLEAN AND DRY PRIOR TO THE APPLICATION OF THE COATING.
4. THE COATING SHALL BE APPLIED TO ALL THE SURFACES OF THE CONCRETE ABOVE THE GROUND AND 6" BELOW THE GRADE SURFACE IF APPLICABLE.
5. MINIMUM 30 MILS COATING IS REQUIRED.
6. APPLY COLD GALVANIZE AT LEAST 2'-3' ABOVE FOUNDATION.

TOP OF EXISTING ROHN MONOPOLE TOWER  
±150'-0" ELEV. (DF=28.30")

EXISTING 18-SIDED ROHN MONOPOLE TOWER.  
REFERENCE ROHN INDUSTRIES, INC. FILE NO. 50754AE,  
DRAWING # A020293, DATED 02/13/2002.

As Built: 6/26/22

**STANDARD WIRELESS GROUP, LLC**



**Tower Engineering Solutions**  
1320 GREENWAY DRIVE, SUITE 600  
IRVING, TX 75038  
PHONE: (972) 483-0607



5900 BROKEN SOUND PARKWAY, NW  
BOCA RATON, FL 33487  
(800)-487-SITE

TES JOB NO:  
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CUSTOMER SITE NO:  
CT10022-A-SBA  
CUSTOMER SITE NAME:  
SIMSBURY 2, CT  
225 GRIST MILL ROAD  
SIMSBURY, CT 06070

DRAWN BY: BS | CHECKED BY: KA/AD

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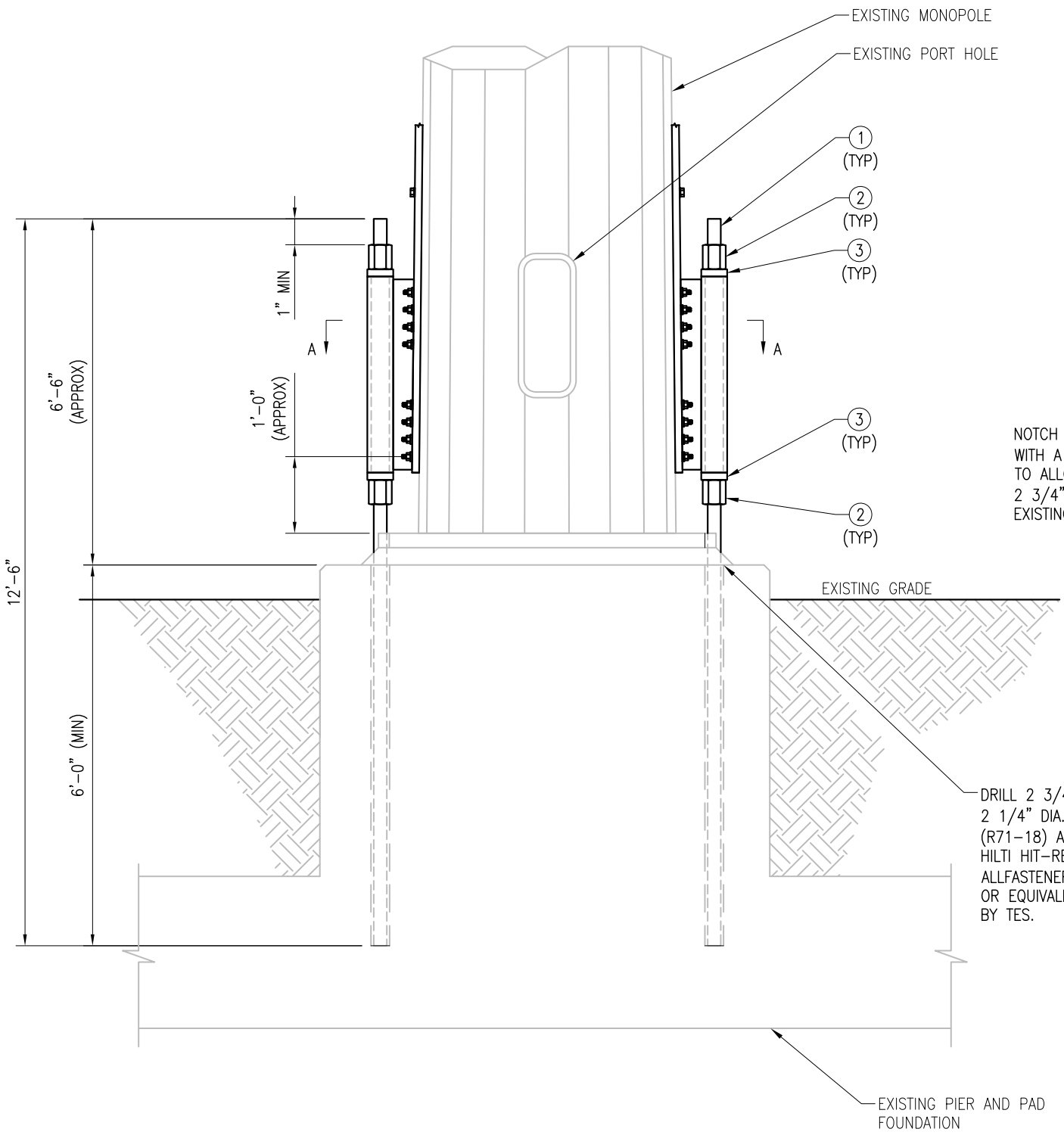
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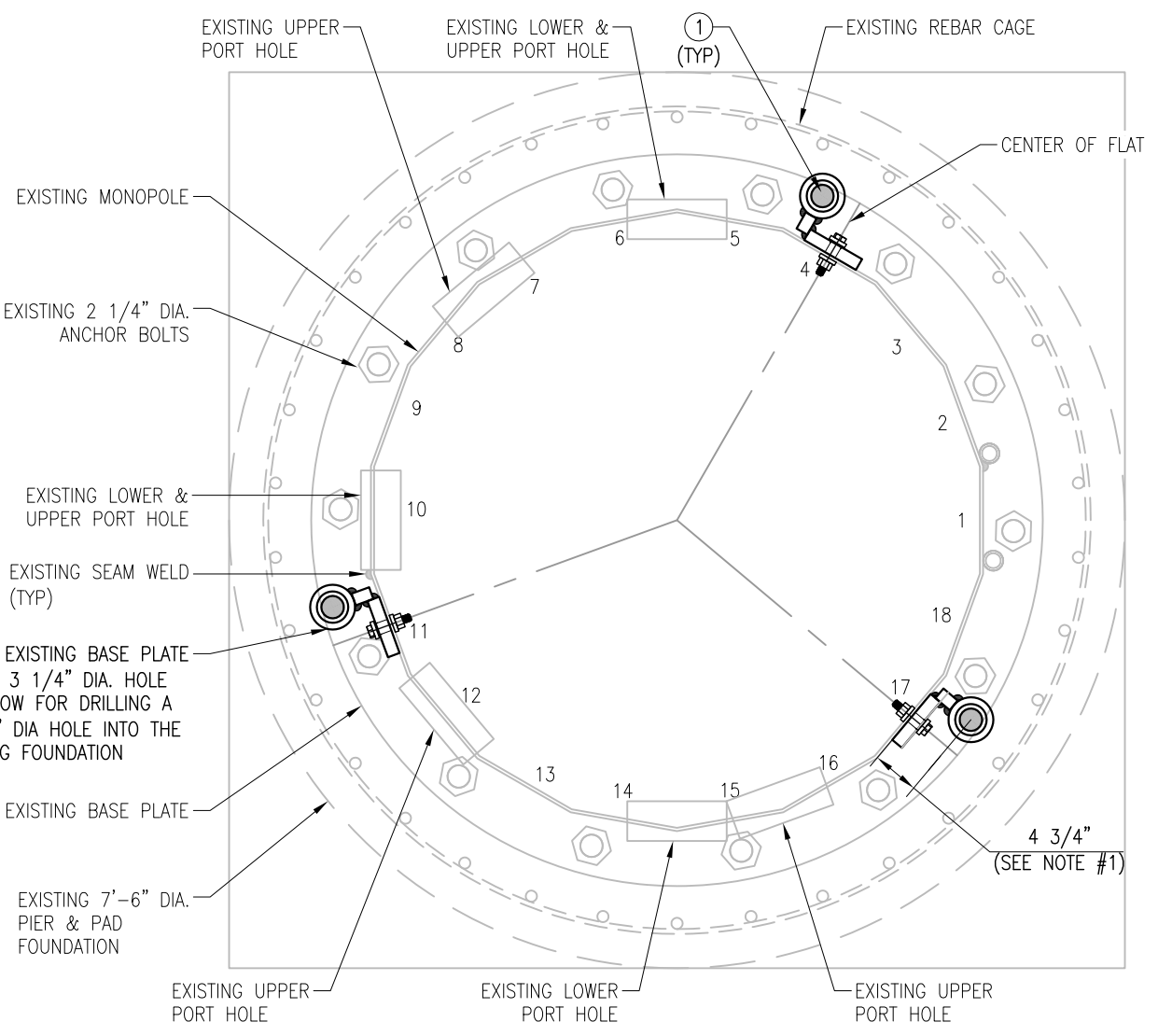
SHEET NUMBER: A-1 | REV #: 0

US PATENT 9,714,520 B1



ELEVATION

**NOTE:**  
SEE NOTES ON SHEET GN-1 FOR POST-INSTALLED EPOXY INJECTED ANCHOR BOLTS



SECTION "A-A"

NOTCH EXISTING BASE PLATE WITH A 3 1/4" DIA. HOLE TO ALLOW FOR DRILLING A 2 3/4" DIA HOLE INTO THE EXISTING FOUNDATION

DRILL 2 3/4" DIA. HOLE TO ACCOMMODATE 2 1/4" DIA. WILLIAMS ALL-THREAD ROD (R71-18) AS SHOWN. GROUT USING HILTI HIT-RE 500 V3 EPOXY OR ALLFASTENERS 12AF35LVE EPOXY (TYP) OR EQUIVALENT MATERIAL APPROVED BY TES.

**INSTALLATION NOTES:**

1. USE WELDED REINFORCEMENT BRACKET ASSEMBLY TO SET THE POSITION OF THE ALL-THREAD ROD.
2. DRILL NEW 2 3/4" DIA. HOLES INTO EXISTING FOUNDATION FOR ALL-THREAD ROD.
3. INSTALL REINFORCEMENT BRACKET AND CONFIRM FIT WITH MONOPOLE REINFORCEMENT PLATES.
4. TIGHTEN NUTS ON THE ALL-THREAD ROD LOCKING IT INTO POSITION.
5. APPLY (2) COATS OF ZINGA COLD GALVANIZING COMPOUND PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS TO ALL FIELD CUT AND EXPOSED AREAS.
6. DRILLING CONTRACTOR TO EXERCISE EXTREME CARE TO AVOID DAMAGING THE EXISTING REINFORCING TIES IN THE CONCRETE PIER. IF REBAR IS ENCOUNTERED IN THE CONCRETE WHILE DRILLING, CONTRACTOR TO STOP DRILLING AND INFORM TES FOR SOLUTION.
7. CONTRACTOR PLEASE NOTE-WHILE DRILLING PREPARE TO DRILL THROUGH ANCHOR BOLT TEMPLATE.
8. SEE SHEETS SPEC-1 & 2 FOR NEXGEN2 BLIND BOLT INSTALLATION. IT IS REQUIRED THAT THE CONTRACTOR TAKE PHOTOS OF THE INSTALLED BOLT FOR VERIFICATION OF PROPER INSTALLATION.

| ITEM NO. | QTY. | PART NO. | DESCRIPTION  |
|----------|------|----------|--|
| 1        | 3    | R71-18   | 12'-6" WILLIAMS 2 1/4" DIA. ALL-THREAD ROD (150 KSI) |
| 2        | 6    | R73-18   | 2 1/4" NUT (WILLIAMS R73-18) (TYP)                   |
| 3        | 6    | PLW-1    | PL 1 1/4" X 4 1/2" FLAT WASHER, A572-65              |

As Built: 6/26/22  
**STANDARD WIRELESS GROUP, LLC**



**Tower Engineering Solutions**  
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IRVING, TX 75038  
PHONE: (972) 483-0607



5900 BROKEN SOUND PARKWAY, NW  
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TES JOB NO:  
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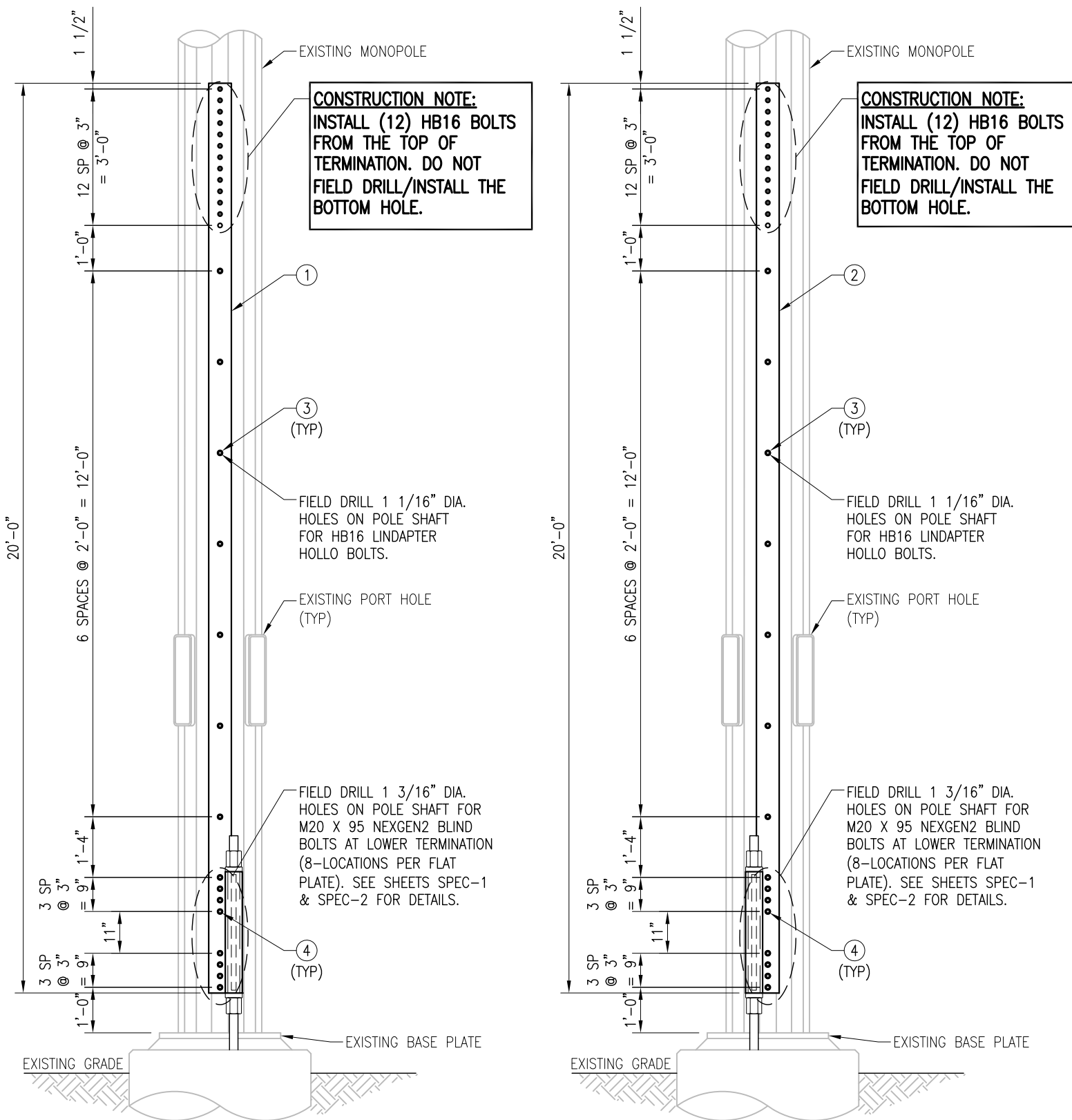
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| 1    | FIRST ISSUE | BS | 03/02/22 |
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SHEET TITLE:  
**INSTALLATION OF NEW ANCHOR ROD DETAILS**

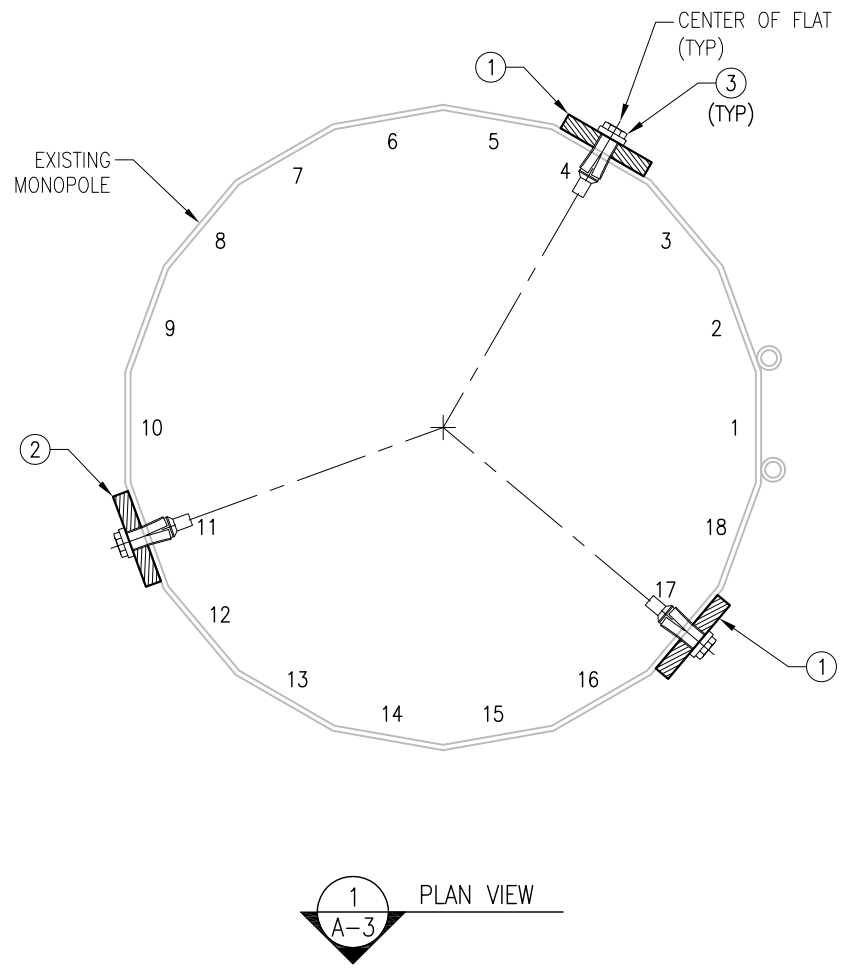
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SHEET NUMBER:  
A-2  
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0

US PATENT 9,714,520 B1



ELEVATION VIEW  
REFER TO PLAN VIEW  
(±1'-0" TO ±21'-0" ELEV.)



- NOTES:
1. REFER TO SHEET A-2 FOR FLAT BAR ORIENTATION.
  2. INSTALLATION TORQUE FOR HOLLO/AJAX-BOLTS: SEE SHEET GN-1
  3. APPLY (2) COATS OF ZINGA COLD GALVANIZING COM AND MANUFACTURER'S RECOMMENDATIONS TO ALL FIELD DRILLED AND EXPOSED AREAS.



| ITEM NO. | QTY. | PART NO.           | DESCRIPTION (BASE SECTION)               |
|----------|------|--------------------|--|
| 1        | 2    | LP6X125-BR4.75-20T | PL 6" X 1 1/4" X 20'-0" A572-65 WELDMENT |
| 2        | 1    | LP6X125-BL4.75-20T | PL 6" X 1 1/4" X 20'-0" A572-65 WELDMENT |
| 3        | 57   | HB16-2             | LINDAPTER 5/8" TYPE HB HOLLO-BOLT (HCF)  |
| 4        | 24   | 2NG2048            | M20 X 95 NEXGEN2 BLIND BOLT ASSEMBLY     |



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TES JOB NO:  
124082  
CUSTOMER SITE NO:  
CT10022-A-SBA  
CUSTOMER SITE NAME:  
SIMSBURY 2, CT  
225 GRIST MILL ROAD  
SIMSBURY, CT 06070

DRAWN BY: BS CHECKED BY: KA/AD

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REINFORCEMENT ASSEMBLY

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SHEET NUMBER: A-3 REV #: 0



*Paul Lawrence*



**NEXGEN2**  
BLIND BOLT ASSEMBLY



**INSTALLATION GUIDE**

**PRE-INSTALL BOLT ON INSTALL TOOL:**



Thread the installation tool tip into the splined end of the bolt.

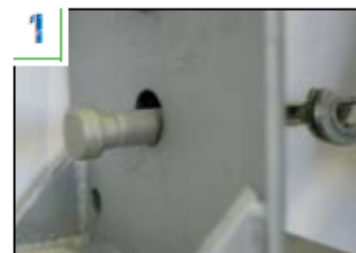


Remove the nut, the face washer and the spring shear sleeve and slide along the handle of the tool.



Move the collapsible washer to the correct location on the tool and fold in place.

**INSTALLATION:**



Install the bolt into the hole followed by the collapsible washer.



Rotate the tool 180°.



Pulling back, rock the tool side-to-side to engage the collapsible washer.



Engage the spring shear sleeve into the shear plane.



Slide the face washer forward and move the nut up to fasten to the bolt. Tighten the nut snug tight at this point.



Remove the tool by unscrewing it from bolt (counterclockwise).



Using the shear wrench engage the outer socket with the splined end of the bolt. Press the trigger until correct tension has been achieved (the bolt spline separates from the bolt).



Press the small trigger on the shear wrench to eject the bolt spline. The application is now complete.

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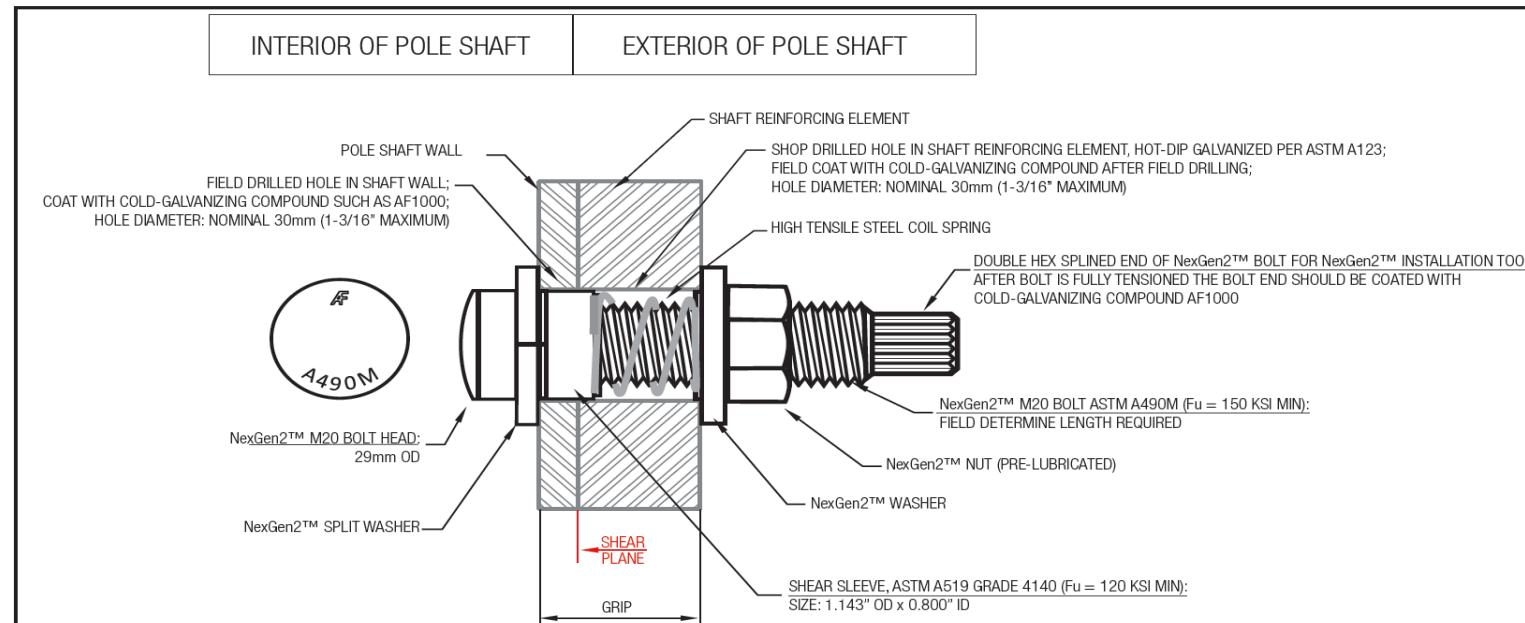
Pre-Tension



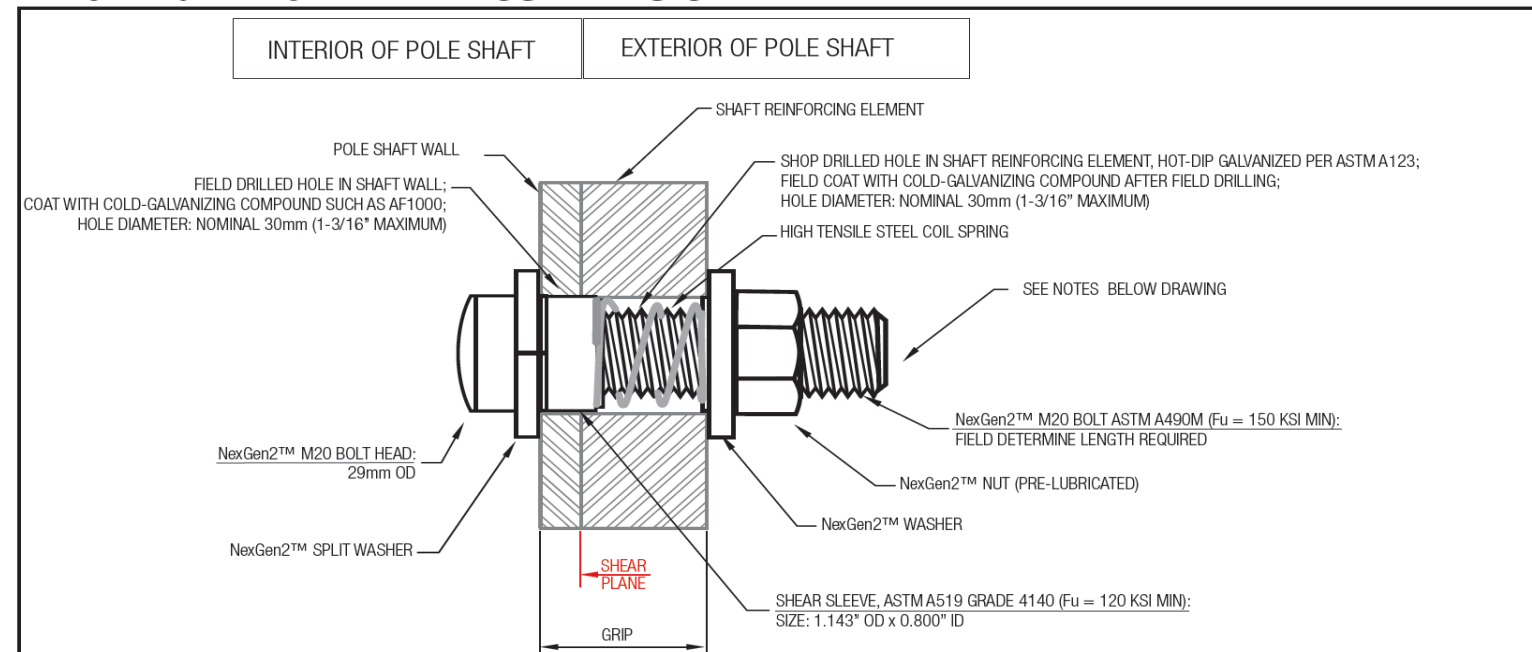
Post-Tension



**TYPICAL NG2™ BOLT DETAIL: PRE-TENSION**



**TYPICAL NG2™ BOLT DETAIL: POST-TENSION**



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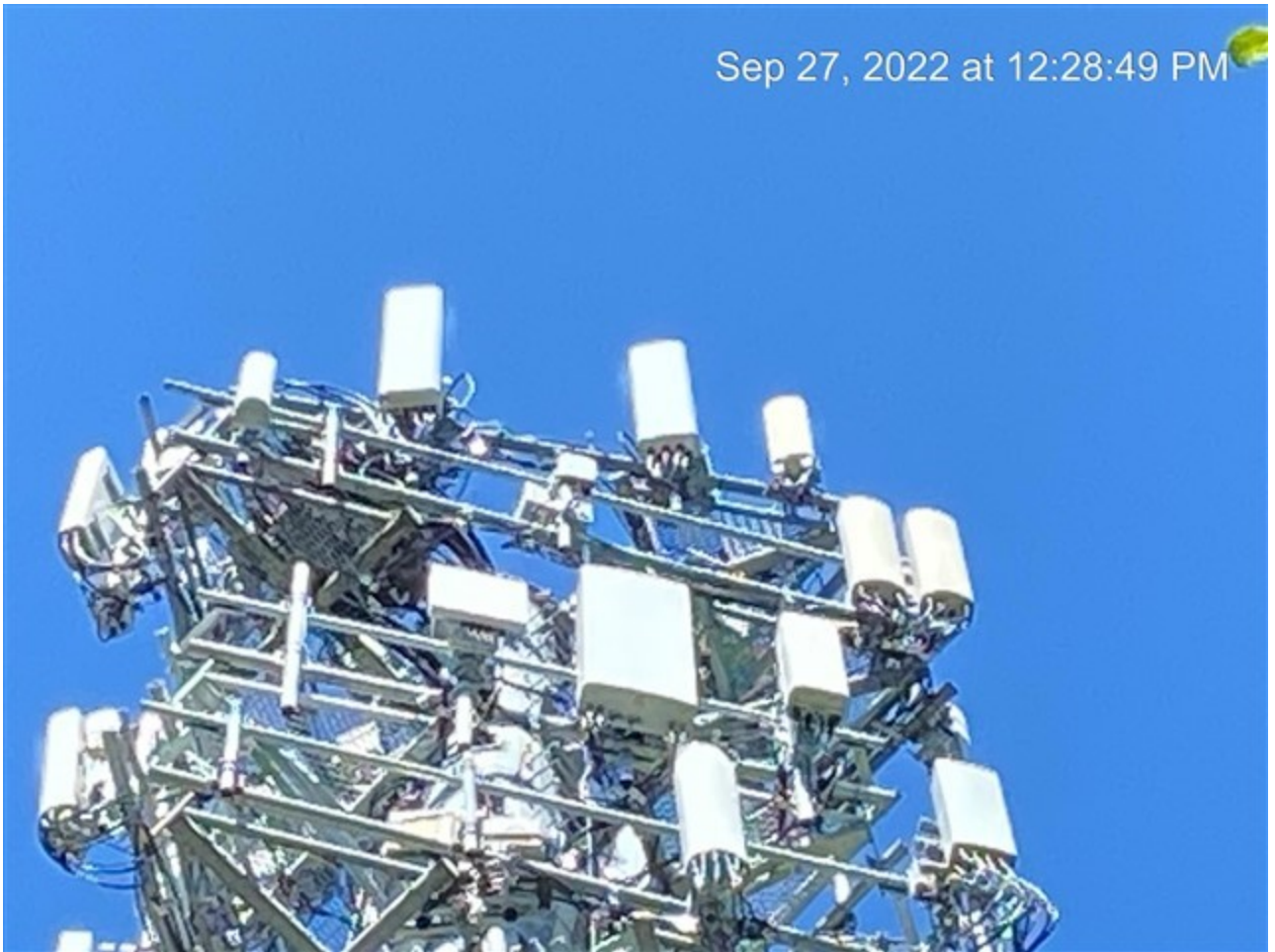
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