

VICINITY MAP



AMERICAN TOWER®

ATC SITE NAME: WOODSTOCK NW PCS CT  
ATC SITE NUMBER: 415439  
VERIZON SITE NAME: WOODSTOCK NW CT  
VERIZON SITE NUMBER: 467233  
SITE ADDRESS: 40 SHERMAN ROAD  
WOODSTOCK, CT 06281-1901

APPROVALS		
THE FOLLOWING PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS & AUTHORIZE THE SUBCONTRACTOR TO PROCEED WITH CONSTRUCTION AS DESCRIBED HEREIN. ALL CONSTRUCTION DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT & ANY CHANGES OR MODIFICATIONS THEY MAY IMPOSE		
APPROVAL:	SIGNATURE:	DATE:
PROJECT MANAGER:		
SITE ACQUISITION:		
CONSTRUCTION MANAGER:		
SITE OWNER:		
VERIZON	RF ENGINEER	
	DEVELOPMENT MANAGER	
	CONSTRUCTION MANAGER	
	OPS MANAGER	
	PROJECT MANAGER	

VERIZON  
ANTENNA AMENDMENT DRAWINGS

COMPLIANCE CODE	PROJECT SUMMARY		PROJECT DESCRIPTION	SHEET INDEX				
<p>ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNMENT AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.</p> <p>1. INTERNATIONAL BUILDING CODE (IBC)</p> <p>2. NATIONAL ELECTRIC CODE (NEC)</p> <p>3. LOCAL BUILDING CODE</p> <p>4. CITY/COUNTY ORDINANCES</p>	<p><u>SITE ADDRESS:</u></p> <p>40 SHERMAN ROAD</p> <p>WOODSTOCK, CT 06281-1901</p> <p>COUNTY: WINDHAM</p> <p><u>GEOGRAPHIC COORDINATES:</u></p> <p>LATITUDE: 41.97865275</p> <p>LONGITUDE: -72.09443573</p> <p>GROUND ELEVATION: 902' AMSL</p>		<p>THE PROPOSED PROJECT INCLUDES MODIFYING GROUND BASED AND TOWER MOUNTED EQUIPMENT AS INDICATED PER BELOW:</p> <p>REMOVE (9) ANTENNA(s), (6) RRH(s), (1) 1-5/8" COAX, AND (2) 1-1/4" HYBRIFLEX CABLE(s)</p> <p>INSTALL (3) DUAL ANTENNA MOUNT(s), (9) ANTENNA(s), (6) RRH(s), AND MOUNT MODIFICATIONS</p> <p>EXISTING (3) ANTENNA(s), (2) OVP(s), (11) 1-5/8" COAX CABLE(s) TO REMAIN</p>	SHEET NO:	DESCRIPTION:	REV:	DATE:	BY:
				G-001	TITLE SHEET	1	10/08/21	DO
				G-002	GENERAL NOTES	1	10/08/21	DO
				C-101	DETAILED SITE PLAN	1	10/08/21	DO
				C-201	TOWER ELEVATION	1	10/08/21	DO
				C-401	ANTENNA INFORMATION & SCHEDULE	1	10/08/21	DO
				C-501	CONSTRUCTION DETAILS	1	10/08/21	DO
				E-501	GROUNDING DETAILS	1	10/08/21	DO
				R-601	SUPPLEMENTAL			
					MOUNT MODIFICATION SHEET			
				</				

GENERAL CONSTRUCTION NOTES:

1. OWNER FURNISHED MATERIALS, VERIZON "THE COMPANY" WILL PROVIDE AND THE CONTRACTOR WILL INSTALL

A. BTS EQUIPMENT FRAME (PLATFORM) AND ICEBRIDGE SHELTER (GROUND BUILD/CO-LOCATE ONLY)

B. AC/TELCO INTERFACE BOX (PPC)

C. ICE BRIDGE (CABLE TRAY WITH COVER) (GROUND BUILD/CO-LOCATE ONLY, GC TO FURNISH AND INSTALL FOR ROOFTOP INSTALLATION)

D. TOWERS, MONOPOLES

E. TOWER LIGHTING

F. GENERATORS & LIQUID PROPANE TANK

G. ANTENNA STANDARD BRACKETS, FRAMES AND PIPES FOR MOUNTING

H. ANTENNAS (INSTALLED BY OTHERS)

I. TRANSMISSION LINE

J. TRANSMISSION LINE JUMPERS

K. TRANSMISSION LINE CONNECTORS WITH WEATHERPROOFING KITS

L. TRANSMISSION LINE GROUND KITS

M. HANGERS

N. HOISTING GRIPS

O. BTS EQUIPMENT
2. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL OTHER MATERIALS FOR THE COMPLETE INSTALLATION OF THE SITE INCLUDING, BUT NOT LIMITED TO, SUCH MATERIALS AS FENCING, STRUCTURAL STEEL SUPPORTING SUB-FRAME FOR PLATFORM, ROOFING LABOR AND MATERIALS, GROUNDING RINGS, GROUNDING WIRES, COPPER-CLAD OR XIT CHEMICAL GROUND ROD(S), BUSS BARS, TRANSFORMERS AND DISCONNECT SWITCHES WHERE APPLICABLE, TEMPORARY ELECTRICAL POWER, CONDUIT, LANDSCAPING COMPOUND STONE, CRANES, CORE DRILLING, SLEEPERS AND RUBBER MATTING, REBAR, CONCRETE CAISSONS, PADS AND/OR AUGER MOUNTS, MISCELLANEOUS FASTENERS, CABLE TRAYS, NON-STANDARD ANTENNA FRAMES AND ALL OTHER MATERIAL AND LABOR REQUIRED TO COMPLETE THE JOB ACCORDING TO THE DRAWINGS AND SPECIFICATIONS. IT IS THE POSITION OF VERIZON TO APPLY FOR PERMITTING AND CONTRACTOR RESPONSIBLE FOR PICKUP AND PAYMENT OF REQUIRED PERMITS.
3. ALL WORK SHALL CONFORM TO ALL CURRENT APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING ANSI/EIA/TIA-222, AND COMPLY WITH ATC CONSTRUCTION SPECIFICATIONS.
4. CONTRACTOR SHALL CONTACT LOCAL 811 FOR IDENTIFICATION OF UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED INSPECTIONS.
6. ALL DIMENSIONS TO, OF, AND ON EXISTING BUILDINGS, DRAINAGE STRUCTURES, AND SITE IMPROVEMENTS SHALL BE VERIFIED IN FIELD BY CONTRACTOR WITH ALL DISCREPANCIES REPORTED TO THE ENGINEER.
7. DO NOT CHANGE SIZE OR SPACING OF STRUCTURAL ELEMENTS.
8. DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
9. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
10. CONTRACTOR SHALL BRACE STRUCTURES UNTIL ALL STRUCTURAL ELEMENTS NEEDED FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: LATERAL BRACING, ANCHOR BOLTS, ETC.
11. CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES, GROUNDS DRAINS, DRAIN PIPES, VENTS, ETC. BEFORE COMMENCING WORK.
12. INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE VERIZON REP PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH REMEDIAL ACTION SHALL REQUIRE WRITTEN APPROVAL BY THE VERIZON REP PRIOR TO PROCEEDING.
13. EACH CONTRACTOR SHALL COOPERATE WITH THE VERIZON REP, AND COORDINATE HIS WORK WITH THE WORK OF OTHERS.
14. CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION OF THIS PROJECT TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE VERIZON CONSTRUCTION MANAGER.
15. ALL CABLE/CONDUIT ENTRY/EXIT PORTS SHALL BE WEATHERPROOFED DURING INSTALLATION USING A SILICONE SEALANT.
16. WHERE EXISTING CONDITIONS DO NOT MATCH THOSE SHOWN IN THIS PLAN SET, CONTRACTOR SHALL NOTIFY THE VERIZON REP AND ENGINEER OF RECORD IMMEDIATELY.
17. CONTRACTOR SHALL ENSURE ALL SUBCONTRACTORS ARE PROVIDED WITH A COMPLETE AND CURRENT SET OF DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
18. CONTRACTOR SHALL REMOVE ALL RUBBISH AND DEBRIS FROM THE SITE AT THE END OF EACH DAY.
19. CONTRACTOR SHALL COORDINATE WORK SCHEDULE WITH AMERICAN TOWER CORPORATION (ATC) AND TAKE PRECAUTIONS TO MINIMIZE IMPACT AND DISRUPTION OF OTHER OCCUPANTS OF THE FACILITY.
20. CONTRACTOR SHALL FURNISH VERIZON AND AMERICAN TOWER CORPORATION (ATC) WITH A PDF MARKED UP AS-BUILT SET OF DRAWINGS UPON COMPLETION OF WORK.
21. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH VERIZON REP TO DETERMINE WHAT, IF ANY, ITEMS WILL BE PROVIDED. ALL ITEMS NOT PROVIDED SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. CONTRACTOR WILL INSTALL ALL ITEMS PROVIDED.
22. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH VERIZON REP TO DETERMINE IF ANY PERMITS WILL BE OBTAINED BY CONTRACTOR. ALL REQUIRED PERMITS NOT OBTAINED BY VERIZON MUST BE OBTAINED, AND PAID FOR, BY THE CONTRACTOR.
23. CONTRACTOR SHALL INSTALL ALL SITE SIGNAGE IN ACCORDANCE WITH VERIZON SPECIFICATIONS AND REQUIREMENTS.
24. CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO VERIZON FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
25. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND LOCATED ACCORDING TO VERIZON SPECIFICATIONS, AND AS SHOWN IN THESE PLANS.
26. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
27. CONTRACTOR SHALL NOTIFY VERIZON REP A MINIMUM OF 48 HOURS IN ADVANCE OF POURING CONCRETE OR BACKFILLING ANY UNDERGROUND UTILITIES, FOUNDATIONS OR SEALING ANY WALL, FLOOR OR ROOF PENETRATIONS FOR ENGINEERING REVIEW AND APPROVAL.
28. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY INCLUDING COMPLIANCE WITH ALL APPLICABLE OSHA STANDARDS AND RECOMMENDATIONS AND SHALL PROVIDE ALL NECESSARY SAFETY DEVICES INCLUDING PPE AND PPM AND CONSTRUCTION DEVICES SUCH AS WELDING AND FIRE PREVENTION, TEMPORARY SHORING, SCAFFOLDING, TRENCH BOXES/SLOPING, BARRIERS, ETC.
29. THE CONTRACTOR SHALL PROTECT AT HIS OWN EXPENSE, ALL EXISTING FACILITIES AND SUCH OF HIS NEW WORK LIABLE TO INJURY DURING THE CONSTRUCTION PERIOD. ANY DAMAGE CAUSED BY NEGLECT ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, OR BY THE ELEMENTS DUE TO NEGLECT ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, EITHER TO THE EXISTING WORK, OR TO HIS WORK OR THE WORK OF ANY OTHER CONTRACTOR, SHALL BE REPAIRED AT HIS EXPENSE TO THE OWNER'S SATISFACTION.
30. ALL WORK SHALL BE INSTALLED IN A FIRST CLASS, NEAT AND WORKMANLIKE MANNER BY MECHANICS SKILLED IN THE TRADE INVOLVED. THE QUALITY OF WORKMANSHIP SHALL BE SUBJECT TO THE APPROVAL OF THE VERIZON REP. ANY WORK FOUND BY THE VERIZON REP TO BE OF INFERIOR QUALITY AND/OR WORKMANSHIP SHALL BE REPLACED AND/OR REWORKED AT CONTRACTOR EXPENSE UNTIL APPROVAL IS OBTAINED.
31. IN ORDER TO ESTABLISH STANDARDS OF QUALITY AND PERFORMANCE, ALL TYPES OF MATERIALS LISTED HEREINAFTER BY MANUFACTURER'S NAMES AND/OR MANUFACTURER'S CATALOG NUMBER SHALL BE PROVIDED BY THESE MANUFACTURERS AS SPECIFIED.
32. VERIZON FURNISHED EQUIPMENT SHALL BE PICKED-UP AT THE VERIZON WAREHOUSE, NO LATER THAN 48HR AFTER BEING NOTIFIED INSURED, STORED, UNCRATE, PROTECTED AND INSTALLED BY THE CONTRACTOR WITH ALL APPURTENANCES REQUIRED TO PLACE THE EQUIPMENT IN OPERATION, READY FOR USE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EQUIPMENT AFTER PICKING IT UP.
33. VERIZON OR HIS ARCHITECT/ENGINEER RESERVES THE RIGHT TO REJECT ANY EQUIPMENT OR MATERIALS WHICH, IN HIS OWN OPINION ARE NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS, EITHER BEFORE OR AFTER INSTALLATION AND THE EQUIPMENT SHALL BE REPLACED WITH EQUIPMENT CONFORMING TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE CONTRACTOR AT NO COST TO VERIZON OR THEIR ARCHITECT/ENGINEER.

SPECIAL CONSTRUCTION

ANTENNA INSTALLATION NOTES:

1. WORK INCLUDED:

A. ANTENNA AND COAXIAL CABLES ARE FURNISHED BY VERIZON UNDER A SEPARATE CONTRACT. THE CONTRACTOR SHALL ASSIST ANTENNA INSTALLATION CONTRACTOR IN TERMS OD COORDINATION AND SITE ACCESS. ERECTION SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF PERSONNEL AND

B. INSTALL ANTENNA AS INDICATE ON DRAWINGS AND VERIZON SPECIFICATIONS.

C. INSTALL GALVANIZED STEEL ANTENNA MOUNTS AS INDICATED ON DRAWINGS

D. INSTALL FURNISHED GALVANIZED STEEL OR ALUMINUM WAVEGUIDE AND PROVIDE PRINTOUT OF THAT TEST.

E. CONTRACTOR SHALL PROVIDE FOUR (4) SETS OF SWEEP TESTS USING ANRITZU-PACKARD 8713B RF SCALAR NETWORK ANALYZER. SUBMIT FREQUENCY DOMAIN REFLECTOMETER(FDR) TESTS RESULTS TO THE PROJECT MANAGER. SWEEP TESTS SHALL BE AS PER ATTACHED RFS "MINIMUM FIELD TESTING RECOMMENDED FOR ANTENNA AND HELIAX COAXIAL CABLE SYSTEMS" DATED 10/5/93. TESTING SHALL BE PERFORMED BY AN INDEPENDENT TESTING SERVICE AND BE BOUND AND SUBMITTED WITHIN ONE WEEK OF WORK COMPLETION.

F. INSTALL COAXIAL CABLES AND TERMINATING BETWEEN ANTENNAS AND EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. WEATHERPROOF ALL CONNECTIONS BETWEEN THE ANTENNA AND EQUIPMENT PER MANUFACTURER'S REQUIREMENTS. TERMINATE ALL COAXIAL CABLE THREE (3) FEET IN EXCESS OF ENTRY PORT LOCATION UNLESS OTHERWISE STATED.

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

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



45 BEECHWOOD DRIVE  
N. ANDOVER, MA 01845

TEL: (978) 557-5553  
FAX: (978) 336-5586

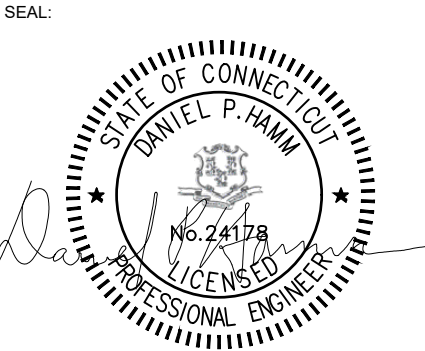
REV.	DESCRIPTION	BY	DATE
A	PRELIM	VS	08/24/21
0	FINAL	TR	09/16/21
1	FINALS REVISED	DO	10/08/21

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WOODSTOCK NW PCS CT

VERIZON SITE NAME:  
WOODSTOCK NW CT

SITE ADDRESS:  
40 SHERMAN ROAD  
WOODSTOCK, CT 06281-1901



DATE DRAWN:	09/16/21
ATC JOB NO:	13714508_D1
CUSTOMER ID:	WOODSTOCK NW CT
CUSTOMER #:	467233

GENERAL NOTES

SHEET NUMBER:  
G-002

REVISION:  
1

SITE PLAN NOTES:

1.
- THIS SITE PLAN REPRESENTS THE BEST PRESENT KNOWLEDGE AVAILABLE TO THE ENGINEER AT THE TIME OF THIS DESIGN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION AND VERIFY ALL EXISTING CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT.

2.
- ICE BRIDGE, CABLE LADDER, COAX PORT, AND COAX CABLE ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL CONFIRM THE EXACT LOCATION OF ALL PROPOSED AND EXISTING EQUIPMENT AND STRUCTURES DEPICTED ON THIS PLAN. BEFORE UTILIZING EXISTING CABLE SUPPORTS, COAX PORTS, INSTALLING NEW PORTS OR ANY OTHER EQUIPMENT, CONTRACTOR SHALL VERIFY ALL ASPECTS OF THE COMPONENTS MEET THE ATC SPECIFICATIONS.

3.
- THIS PROJECT INCLUDES NO INSTALL OR MODIFICATION AT GRADE.

LEGEND

⊗

GROUNDING TEST WELL

ATS

AUTOMATIC TRANSFER SWITCH

B

BOLLARD

CSC

CELL SITE CABINET

D

DISCONNECT

E

ELECTRICAL

F

FIBER

GEN

GENERATOR

G

GENERATOR RECEPTACAL

HH, V

HAND HOLE, VAULT

IB

ICE BRIDGE

K

KENTROX BOX

LC

LIGHTING CONTROL

M

METER

PB

PULL BOX

PP

POWER POLE

T

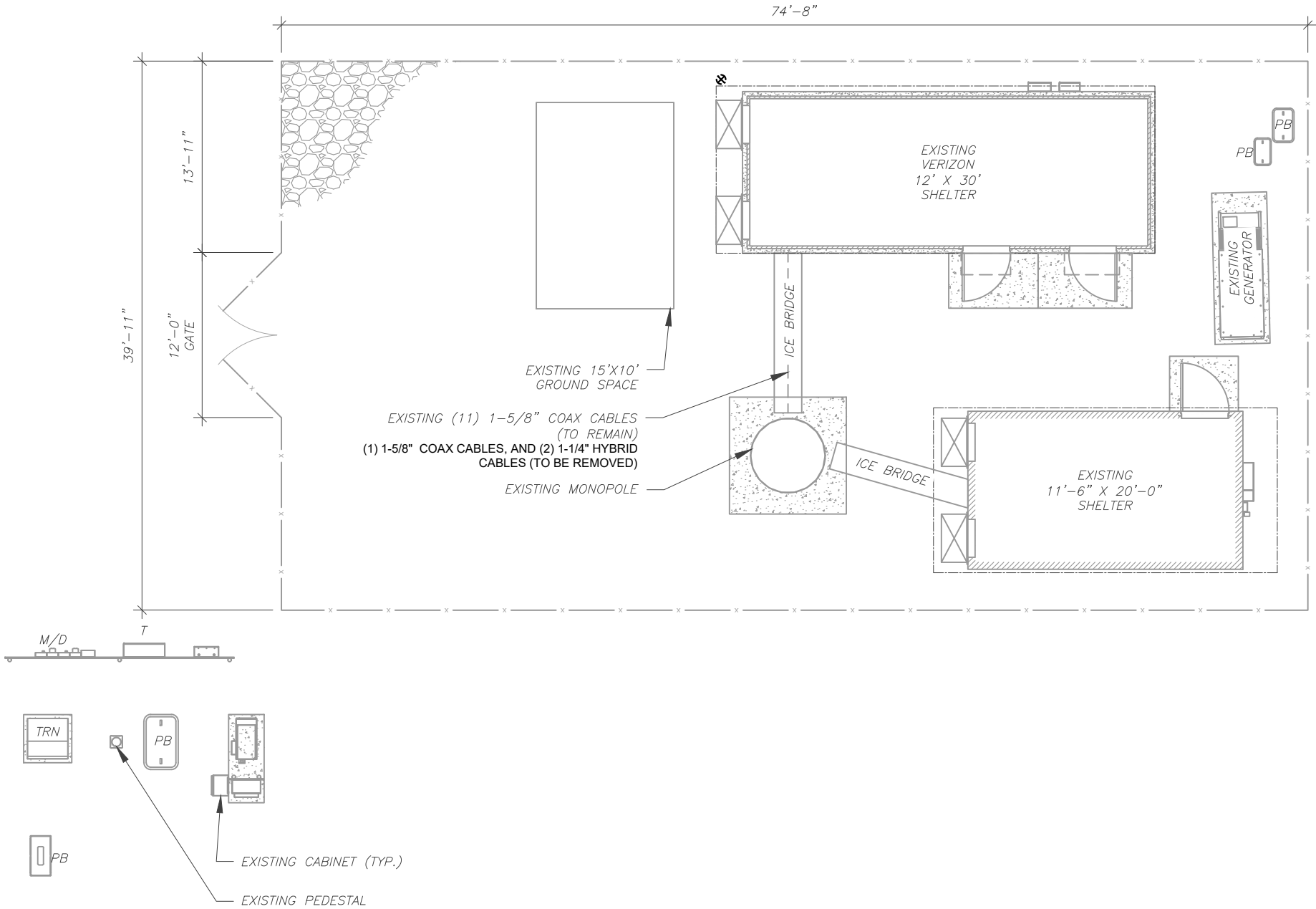
TELCO

TRN

TRANSFORMER

— x —

CHAINLINK FENCE



1 DETAILED SITE PLAN

GRAPHIC SCALE

10 0 5 10

( IN FEET )

1 UNIT = 10 FEET



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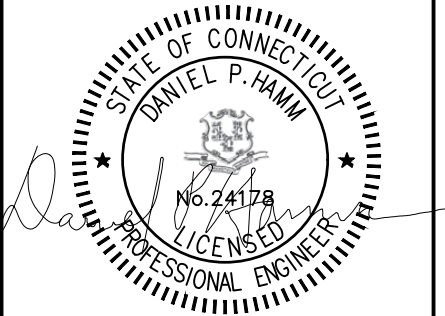
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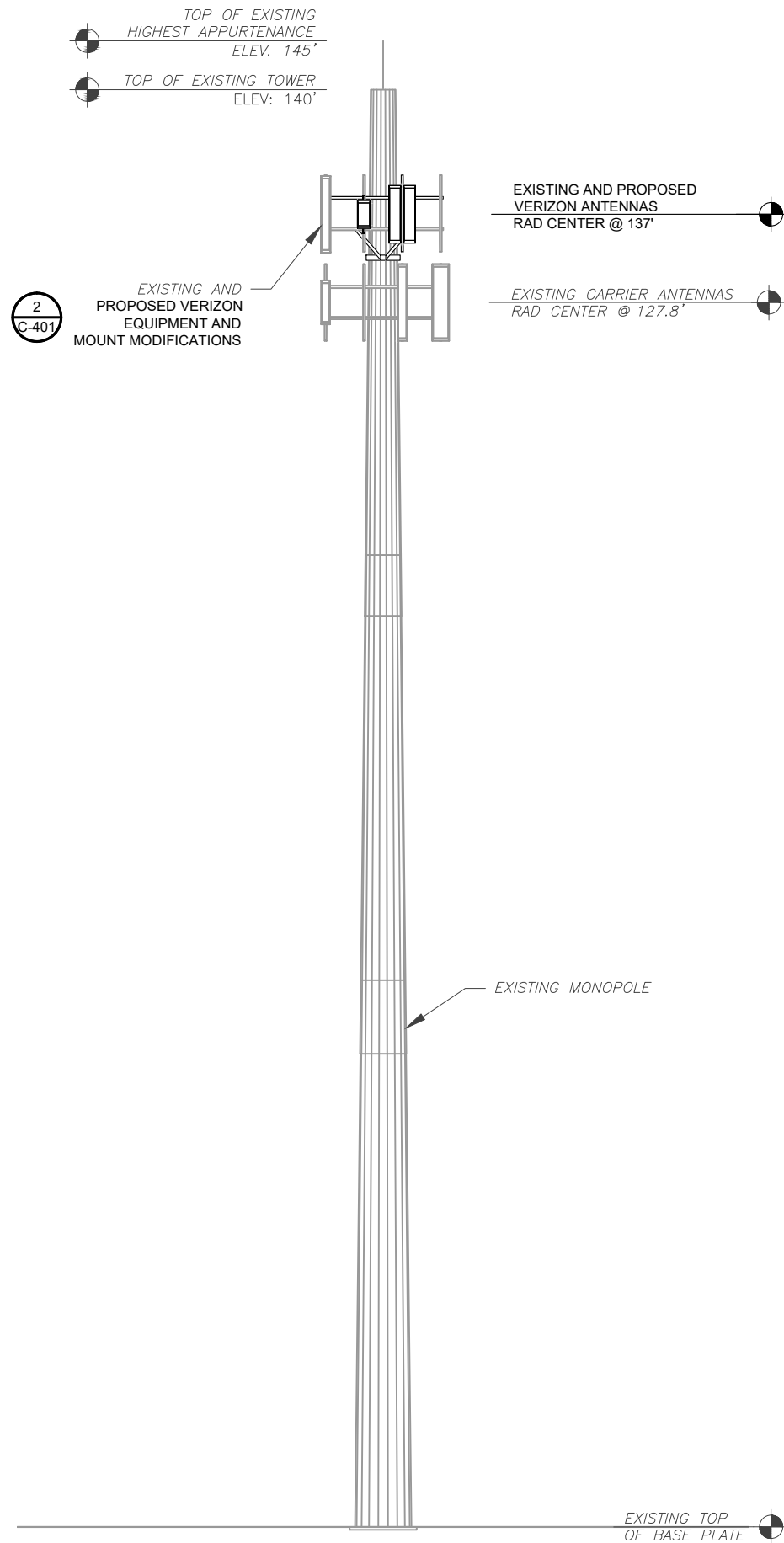
SEAL:



DATE DRAWN:	09/16/21
ATC JOB NO:	13714508_D1
CUSTOMER ID:	WOODSTOCK NW CT
CUSTOMER #:	467233

DETAILED SITE PLAN

SHEET NUMBER:	REVISION:
C-101	1



PER MOUNT ANALYSIS COMPLETED BY GPD ENGINEERING AND ARCHITECTURE, DATED 07-12-2021, THE EXISTING MOUNT MUST BE MODIFIED TO ADEQUATELY SUPPORT THE PROPOSED LOADING. THE MOUNT MODIFICATION PROPOSED IN THE MOUNT ANALYSIS, INCLUDED AT THE END OF THIS PLAN SET, MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED ANTENNAS AND OTHER EQUIPMENT.

- TOWER NOTE:**
1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM WITH THE PROJECT MANAGER THAT THEY HAVE THE MOST RECENT VERSION OF THE STRUCTURAL ANALYSIS BEFORE COMMENCING WORK. EXISTING AND PROPOSED TOWER APPURTENANCES, MOUNTS, AND ANTENNAS ARE SHOWN BASED ON THE STRUCTURAL ANALYSIS. WHERE APPLICABLE, ALL NEW ANTENNAS, EQUIPMENT, MOUNTS, CABLING, ETC. SHALL BE PAINTED/SOCKED TO MATCH EXISTING EQUIPMENT IN ACCORDANCE WITH FAA, JURISDICTION, AND/OR OTHER LOCAL REQUIREMENTS.
  2. TOWER ELEVATIONS ARE MEASURED FROM TOP OF BASE PLATE TO MATCH STRUCTURAL ANALYSIS. ELEVATIONS DO NOT REFLECT TRUE ABOVE GROUND LEVEL (A.G.L.)
  3. TOWER ELEVATION DEPICTION MAY NOT REFLECT ALL EQUIPMENT INCLUDED IN STRUCTURAL ANALYSIS. REFER TO STRUCTURAL ANALYSIS FOR FULL TOWER LOADING.

1 **TOWER ELEVATION**  
SCALE: N.T.S.



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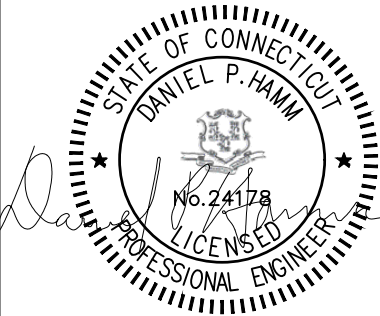
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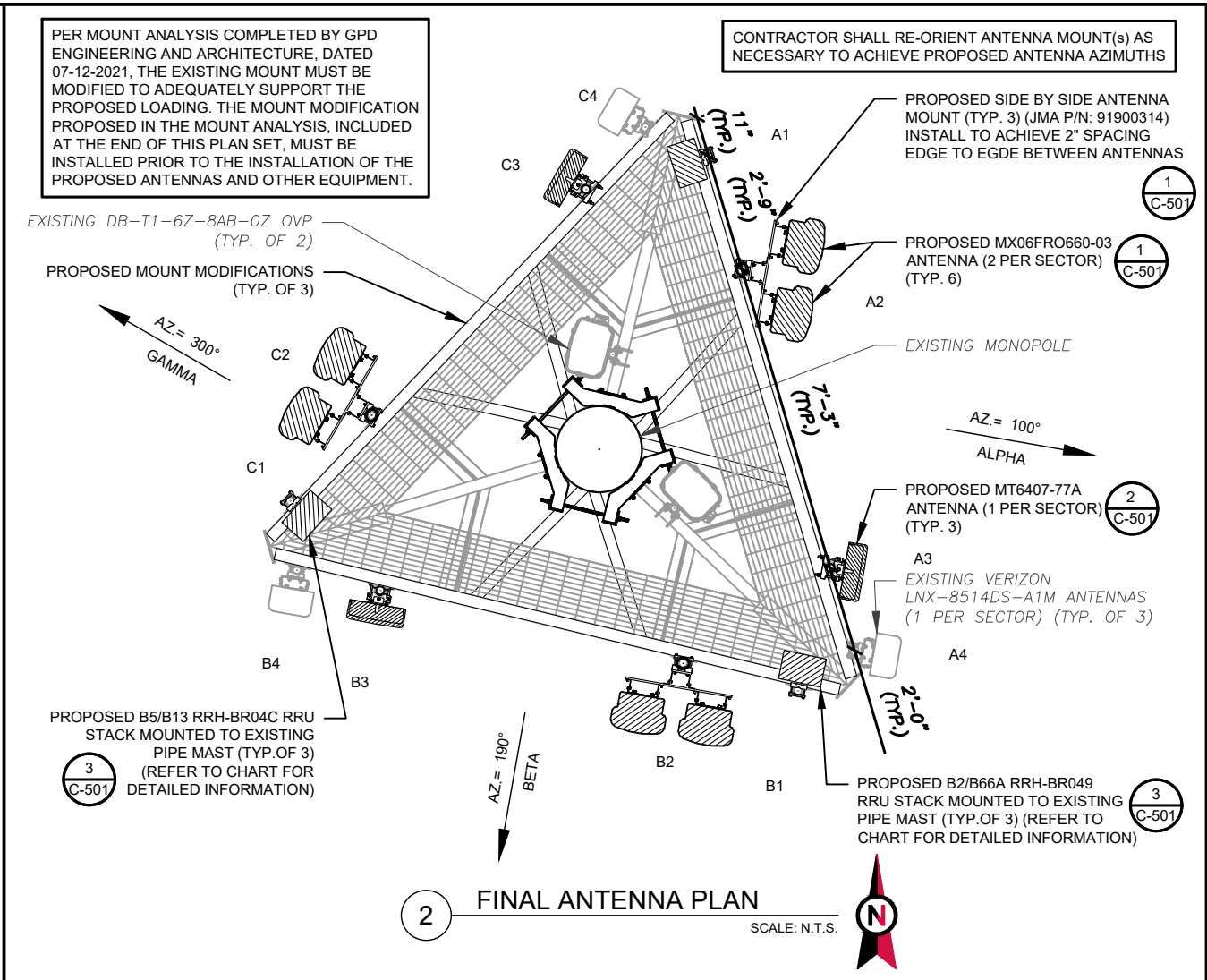
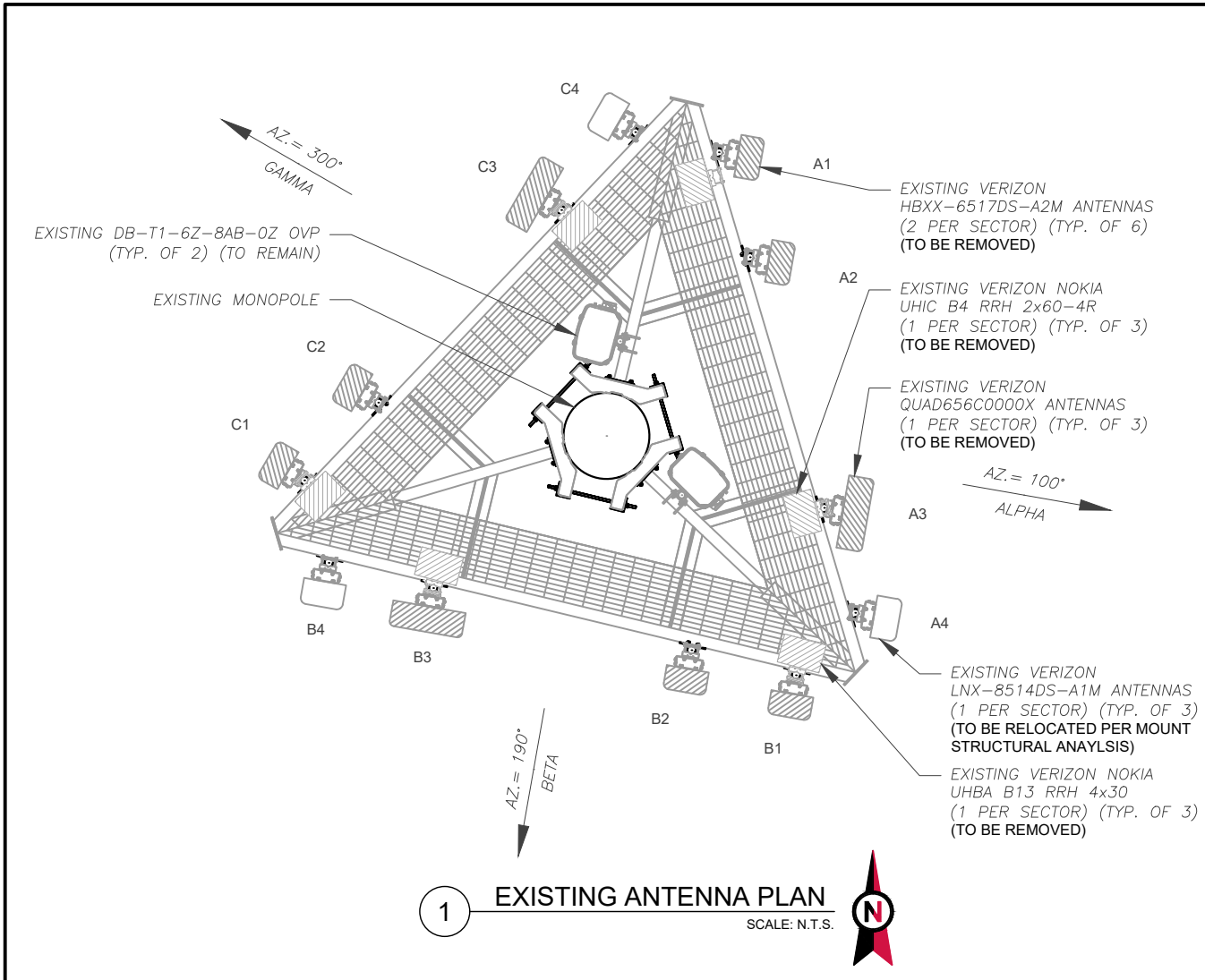


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CUSTOMER ID:	WOODSTOCK NW CT
CUSTOMER #:	467233

**TOWER ELEVATION**

SHEET NUMBER:	REVISION:
<b>C-201</b>	<b>1</b>





EXISTING ANTENNA SCHEDULE									
LOCATION			ANTENNA SUMMARY				NON ANTENNA SUMMARY		
SECTOR	RAD	AZ	POS	ANTENNA	BAND	MECH/ELEC D-TILT	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	137°	100°	A1	HBXX-6517DS-A2M	2100	0/4	RMV	UHBA B13 RRH 4x30	RMV
			A2	HBXX-6517DS-A2M	2100	0/4	RMV	-	-
			A3	QUAD656C0000X	700	0/0	RMV	UHIC B4 RRH 2x60-4R	RMV
			A4	LNX-8514DS-A1M	850 CDMA	0/2	RMN	-	-
BETA	137°	190°	B1	HBXX-6517DS-A2M	2100	0/4	RMV	UHBA B13 RRH 4x30	RMV
			B2	HBXX-6517DS-A2M	2100	0/4	RMV	-	-
			B3	QUAD656C0000X	700	0/0	RMV	UHIC B4 RRH 2x60-4R	RMV
			B4	LNX-8514DS-A1M	850 CDMA	0/2	RMN	-	-
GAMMA	137°	300°	C1	HBXX-6517DS-A2M	2100	0/2	RMV	UHBA B13 RRH 4x30	RMV
			C2	HBXX-6517DS-A2M	2100	0/2	RMV	-	-
			C3	QUAD656C0000X	700	0/0	RMV	UHIC B4 RRH 2x60-4R	RMV
			C4	LNX-8514DS-A1M	850 CDMA	0/2	RMN	-	-

- NOTES
1. CONFIRM WITH VERIZON REP FOR APPLICABLE UPDATES/REVISIONS AND MOST RECENT RFDS FOR NSN CONFIGURATION (CONFIG). GC TO CAP ALL UNUSED PORTS.
  2. CONFIRM SPACING OF PROPOSED EQUIP DOES NOT CAUSE TOWER CONFLICTS NOR IMPEDE TOWER CLIMBING PEGS.

STATUS ABBREVIATIONS

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

CABLE LENGTHS FOR JUMPERS


JUNCTION BOX TO RRU: 15'  
RRU TO ANTENNA: 10'

FINAL ANTENNA SCHEDULE									
LOCATION			ANTENNA SUMMARY				NON ANTENNA SUMMARY		
SECTOR	RAD	AZ	POS	ANTENNA	BAND	MECH/ELEC D-TILT	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	137°	100°	A1	-	-	-	-	B2/B66A RRH-BR049 B5/B13 RRH-BR04C	ADD ADD
			A2L	MX06FRO660-03	700/850/1900/2100	0/2	ADD	-	-
			A2R	MX06FRO660-03	700/850/1900/2100	0/2	ADD	-	-
			A3	MT6407-77A W/CLIP ON RRH	5G	0/6	ADD	-	-
BETA	137°	190°	A4	LNX-8514DS-A1M	850 CDMA	0/2	RMN	-	-
			B1	-	-	-	-	B2/B66A RRH-BR049 B5/B13 RRH-BR04C	ADD ADD
			B2L	MX06FRO660-03	700/850/1900/2100	0/2	ADD	-	-
			B2R	MX06FRO660-03	700/850/1900/2100	0/2	ADD	-	-
GAMMA	137°	300°	B3	MT6407-77A W/CLIP ON RRH	5G	0/6	ADD	-	-
			B4	LNX-8514DS-A1M	850 CDMA	0/2	RMN	-	-
			C1	-	-	-	-	B2/B66A RRH-BR049 B5/B13 RRH-BR04C	ADD ADD
			C2L	MX06FRO660-03	700/850/1900/2100	0/2	ADD	-	-
			C2R	MX06FRO660-03	700/850/1900/2100	0/2	ADD	-	-
			C3	MT6407-77A W/CLIP ON RRH	5G	0/6	ADD	-	-
			C4	LNX-8514DS-A1M	850 CDMA	0/2	RMN	-	-

EXISTING FIBER DISTRIBUTION/OVP BOX		EXISTING CABLING SUMMARY		
MODEL NUMBER	STATUS	COAX	HYBRID	STATUS
(2) DB-T1-6Z-8AB-OZ	RMN	(11) 1-5/8"	-	RMN
-	-	(1) 1-5/8"	(2) 1-1/4"	RMV


3 EQUIPMENT SCHEDULES

FINAL FIBER DISTRIBUTION / OVP BOX		FINAL CABLING SUMMARY		
MODEL NUMBER	STATUS	COAX	HYBRID	STATUS
(2) DB-T1-6Z-8AB-OZ	RMN	(11) 1-5/8"	-	RMN
-	-	-	-	-



45 BEECHWOOD DRIVE  
N. ANDOVER, MA 01845

TEL: (978) 557-5553  
FAX: (978) 336-5586



ATC SITE NUMBER:  
415439

ATC SITE NAME:  
WOODSTOCK NW PCS CT

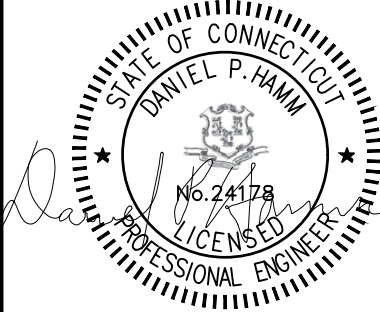
VERIZON SITE NAME:  
WOODSTOCK NW CT


SITE ADDRESS:  
40 SHERMAN ROAD  
WOODSTOCK, CT 06281-1901

REV. DESCRIPTION BY DATE

A	PRELIM	VS	08/24/21
0	FINAL	TR	09/16/21
1	FINALS REVISED	DO	10/08/21

SEAL:

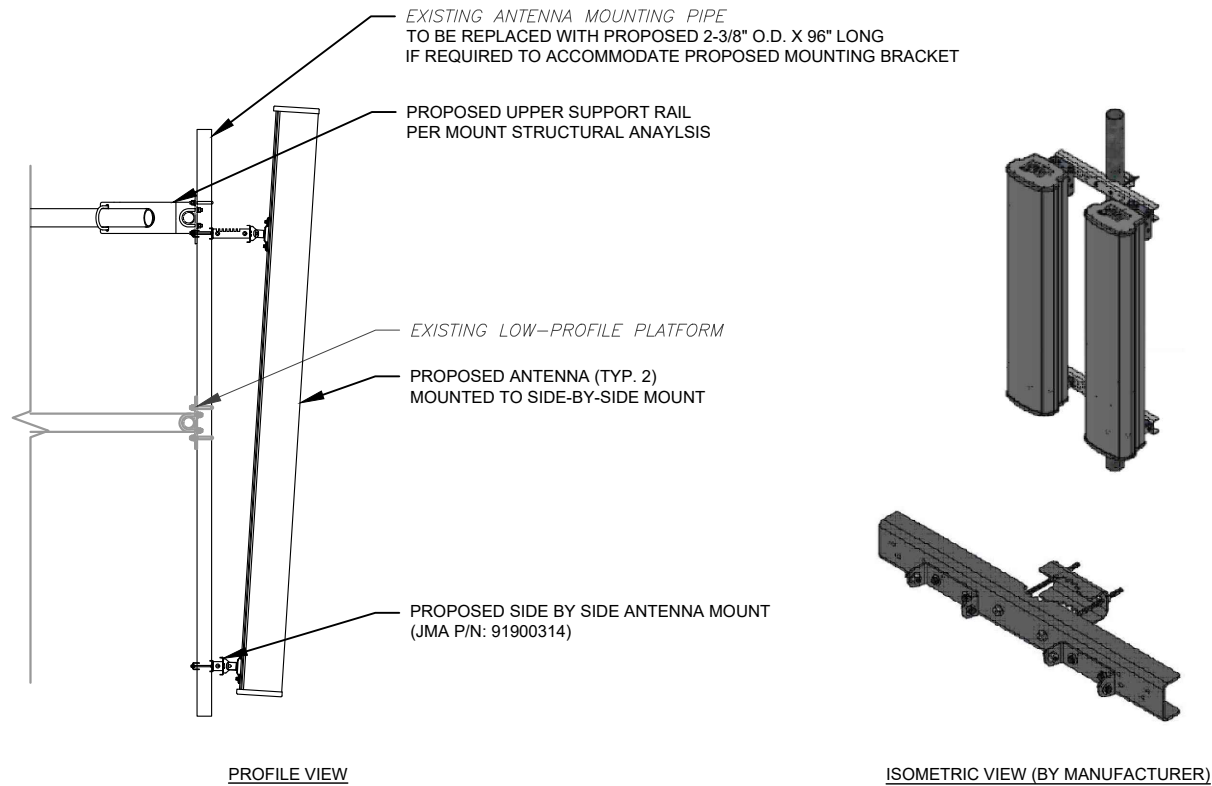




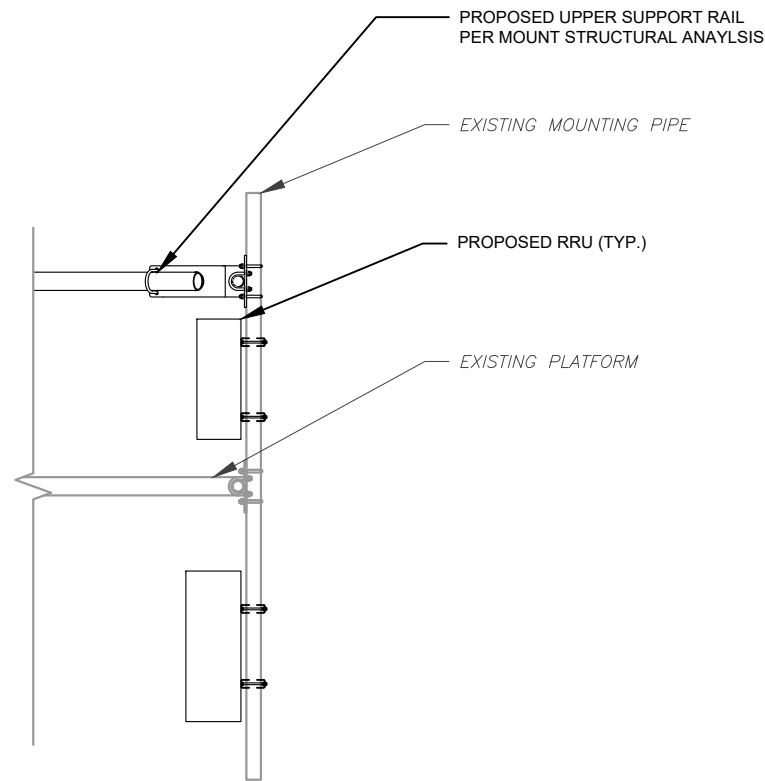
DATE DRAWN: 09/16/21  
ATC JOB NO: 13714508\_D1  
CUSTOMER ID: WOODSTOCK NW CT  
CUSTOMER #: 467233

ANTENNA INFORMATION & SCHEDULE

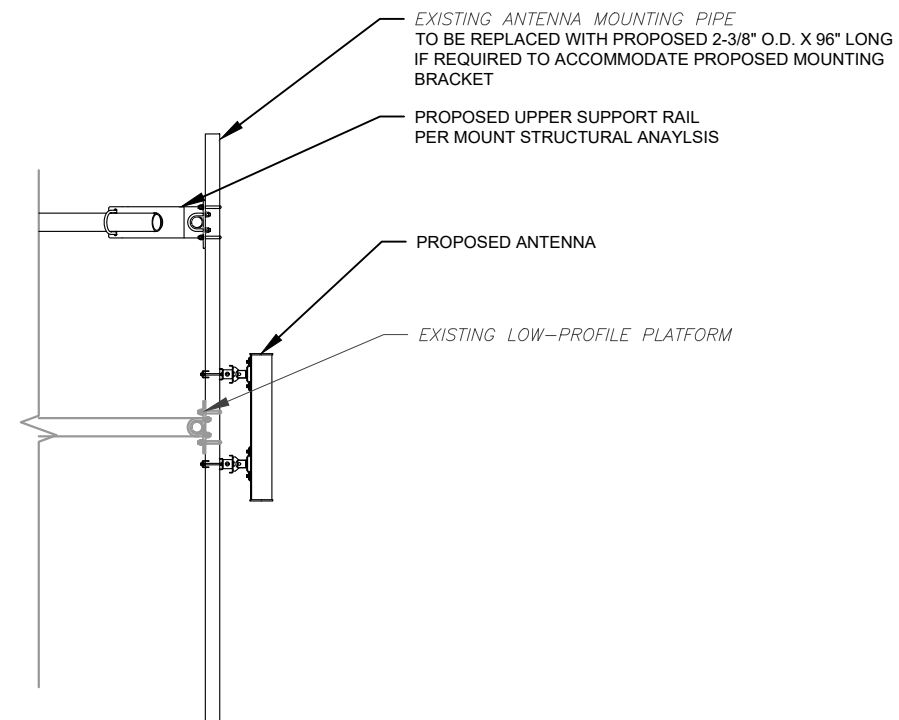
SHEET NUMBER: <b>C-401</b>	REVISION: <b>1</b>
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1 PROPOSED SIDE-BY-SIDE MOUNT  
SCALE: NOT TO SCALE



3 PROPOSED RRU MOUNTING DETAIL - TYPICAL  
SCALE: N.T.S.



2 PROPOSED 5G ANTENNA MOUNTING DETAIL - TYPICAL  
SCALE: N.T.S.



45 BEECHWOOD DRIVE  
N. ANDOVER, MA 01845  
TEL: (978) 557-5553  
FAX: (978) 336-5586

REV.	DESCRIPTION	BY	DATE
A	PRELIM	VS	08/24/21
0	FINAL	TR	09/16/21
1	FINALS REVISED	DO	10/08/21

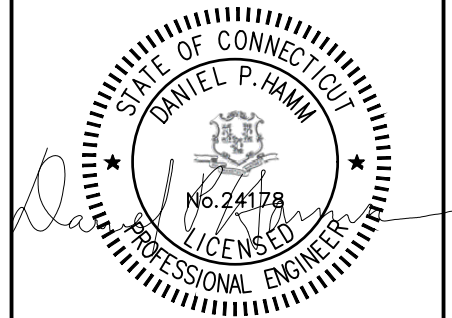
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415439

ATC SITE NAME:  
WOODSTOCK NW PCS CT

VERIZON SITE NAME:  
WOODSTOCK NW CT

SITE ADDRESS:  
40 SHERMAN ROAD  
WOODSTOCK, CT 06281-1901

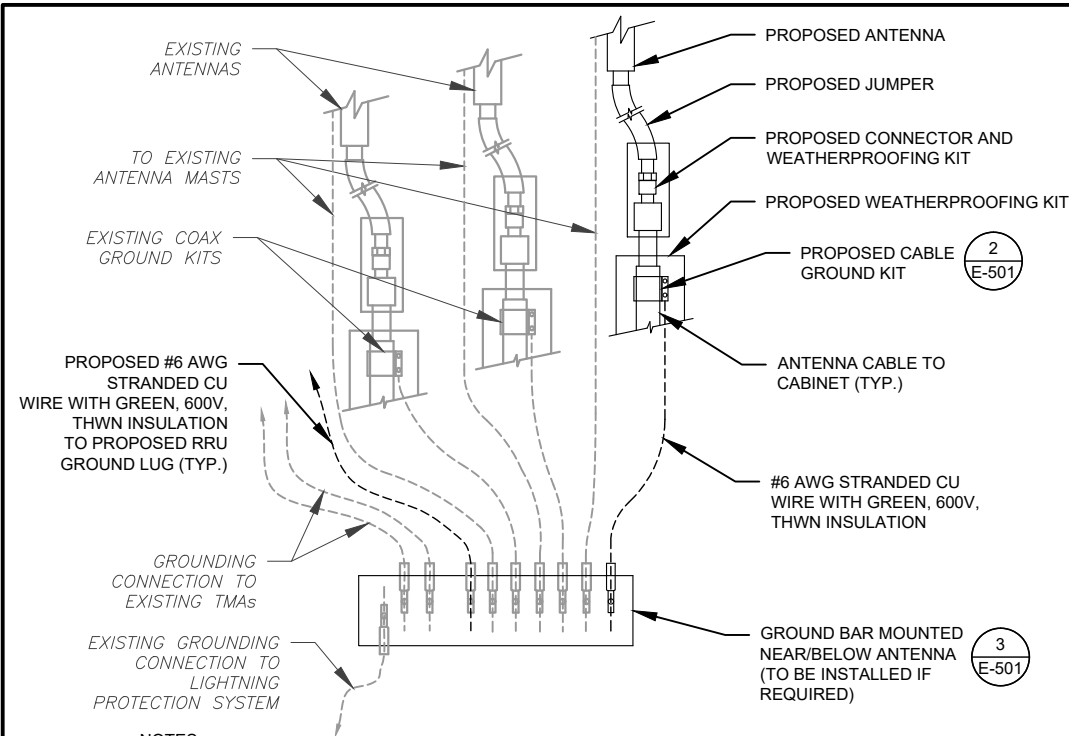
SEAL:



DATE DRAWN:	09/16/21
ATC JOB NO:	13714508_D1
CUSTOMER ID:	WOODSTOCK NW CT
CUSTOMER #:	467233

CONSTRUCTION  
DETAILS

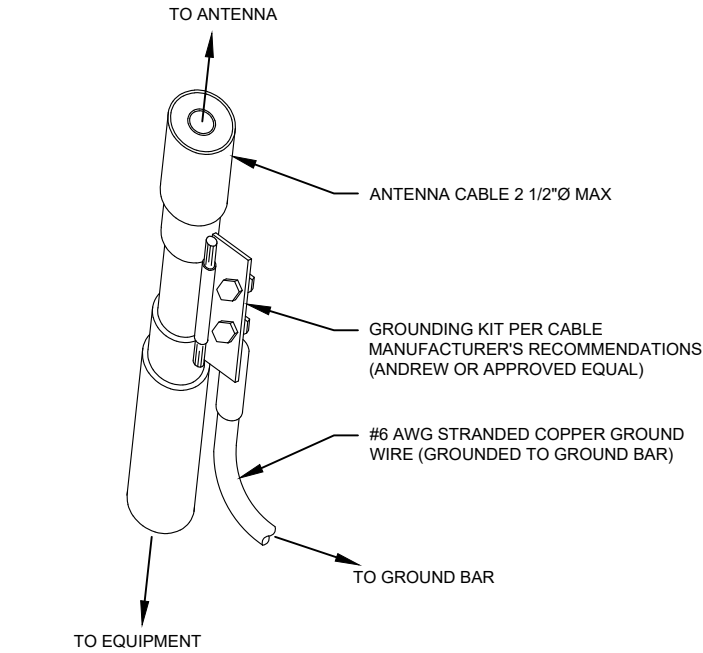
SHEET NUMBER: C-501	REVISION: 1
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NOTES:

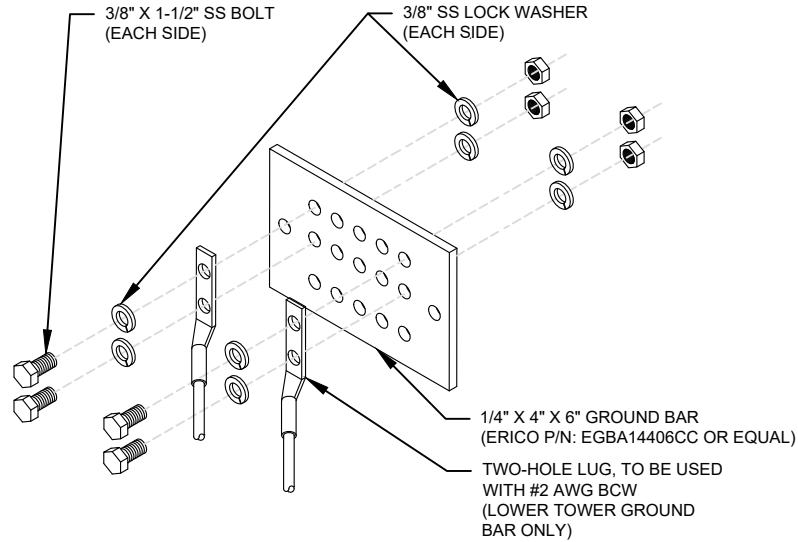
1. THIS DETAIL IS INTENDED TO SHOW THE GENERAL GROUNDING REQUIREMENTS. SLIGHT ADJUSTMENTS MAY BE REQUIRED BASED ON EXISTING SITE CONDITIONS. THE CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS AS NEEDED AND INFORM THE CONSTRUCTION MANAGER OF ANY CONFLICTS.
2. SITE GROUNDING SHALL COMPLY WITH VERIZON GROUNDING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

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



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

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



GROUND BAR NOTES:

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

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



45 BEECHWOOD DRIVE  
N. ANDOVER, MA 01845

TEL: (978) 557-5553  
FAX: (978) 336-5586

REV.	DESCRIPTION	BY	DATE
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0	FINAL	TR	09/16/21
1	FINALS REVISED	DO	10/08/21

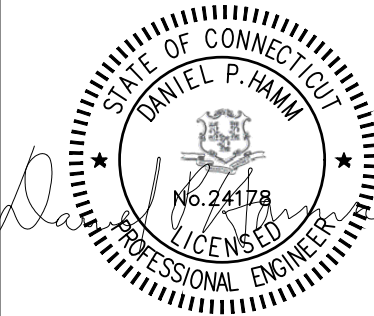
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415439

ATC SITE NAME:  
WOODSTOCK NW PCS CT

VERIZON SITE NAME:  
WOODSTOCK NW CT

SITE ADDRESS:  
40 SHERMAN ROAD  
WOODSTOCK, CT 06281-1901

SEAL:



DATE DRAWN:	09/16/21
ATC JOB NO:	13714508_D1
CUSTOMER ID:	WOODSTOCK NW CT
CUSTOMER #:	467233

GROUNDING DETAILS

SHEET NUMBER: E-501	REVISION: 1
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GPD Engineering And Architecture  
Professional Corporation  
520 South Main Street, Suite 2531  
Akron, OH 44311

Maser Consulting Contact:  
[Peter.albano@colliersengineering.com](mailto:Peter.albano@colliersengineering.com)  
(856) 371-9457



Mount Post-Modification Analysis Report  
(1) 13.58-Ft Platform Mount

July 12, 2021  
Site ID: 467233-VZW / WOODSTOCK NW CT  
Page | 5

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10084238  
GPD Project #: 2021740.467233.02  
Maser Consulting Project #: 21777446

July 12, 2021

Site Information

Site ID: 467233-VZW / WOODSTOCK NW CT  
Site Name: WOODSTOCK NW CT  
Carrier Name: Verizon Wireless  
Address: 117 SHERMAN RD  
Woodstock, Connecticut 06281  
Windham County  
Latitude: 41.978653°  
Longitude: -72.094425°

Structure Information

Tower Type: 150-Ft Monopole  
Mount Type: 13.58-Ft Platform Mount  
FUZE ID # 16272099

Analysis Results

Platform Mount: 44.6% Pass

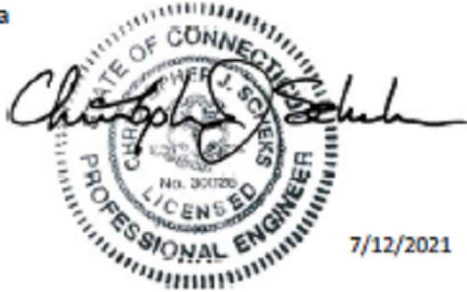
\*\*\*Contractor PMI Requirements:

Included at the end of this MA report  
Available & Submitted via portal at <https://pmi.vzwsmart.com>  
Contractor - Please Review Specific Site PMI Requirements Upon Award  
Requirements also Noted on Mount Modification Drawings  
Requirements may also be Noted on A & E drawings

Report Prepared By: Michael Hlava

Respectfully Submitted by:

Christopher J. Scheks, P.E.  
Connecticut #: 30026



Analysis Results:

Component	Utilization %	Pass/Fail
Platform End Connection	36.0 %	Pass
Standoff Inner	21.5 %	Pass
Standoff Outer	7.7 %	Pass
Face Horizontal	20.8 %	Pass
Grating Support I	43.1 %	Pass
Grating Support II	5.1 %	Pass
Pipe Mount	44.6 %	Pass
Proposed Pipe Mount	36.0 %	Pass
Mod Support Rail Corner	16.9 %	Pass
Mod Stabilizer	19.4 %	Pass
Mount Connection	33.3 %	Pass

Structure Rating – (Controlling Utilization of all Components)	44.6%
--	-------

Recommendation:

The existing mount will be SUFFICIENT for the final loading after the proposed modifications are successfully completed.

ANSI/ASSP rigging plan review services compliant with the requirements of ANSI/TIA 322 are available for a Construction Class IV site or other, if required. Separate review fees will apply.

Attachments:

1. Mount Photos
2. Mount Mapping Report (for reference only)
3. Analysis Calculations
4. Contractor Required PMI Report Deliverables
5. Antenna Placement Diagrams
6. TIA Wind Speed Adoption Lettter

NOTE: THIS SHEET WAS CREATED BY OTHERS AND PROVIDED AT THE REQUEST OF THE CUSTOMER WITHOUT EDIT. PLEASE REFERENCE THE MOUNT ANALYSIS REPORT FOR COMPLETE MOUNT ANALYSIS CALCULATIONS AND DETAILS. SUPPLEMENTAL PAGES INCLUDED IN THE CONSTRUCTION DRAWINGS ARE FOR REFERENCE ONLY. GENERAL CONTRACTOR IS TO VERIFY THEY HAVE THE MOST RECENT MOUNT ANALYSIS PRIOR TO CONTRUCTION.



WOODSTOCK NW CT

SITE #: 467233

SMART TOOL PROJECT #: 10084238



PROJECT CONTACTS:

MASER CONSULTING CONTACT:  
PETER ALBANO  
PETER.ALBANO@COLLIERSENGINEERING.COM  
(856) 371-9457  
PROJECT #: 21777446

ENGINEER CONTACT:  
GPD ENGINEERING AND ARCHITECTURE  
PROFESSIONAL CORPORATION  
520 SOUTH MAIN STREET, SUITE 2531  
AKRON, OH 44311  
(330)572-2100  
FOR QUESTIONS PLEASE EMAIL:  
GPDMODS@GPDGROUP.COM

SHEET INDEX:

T-01: TITLE SHEET
N-01: PROJECT NOTES & INSPECTION CHECKLIST
S-01: BILL OF MATERIALS
S-02: MODIFICATION SCHEDULE & DETAILS
S-03 - S-07: DETAILS/PARTS
S-08: MOUNT PHOTOS

CONTRACTOR PMI REQUIREMENTS:

PMI LOCATION:	HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #:	10084238
VZW LOCATION CODE (PSLC):	467233
FUZE ID:	16272099

REFERENCED DOCUMENTS:

FAILING MOUNT ANALYSIS REPORT	
SMART TOOL PROJECT #:	10050399
GPD PROJECT #:	2021740.467233.01
ANALYSIS DATE:	7/1/2021

MOUNT INFORMATION:

MOUNT TYPE:	13'-7" PLATFORM
SITE LOCATION:	LAT.: 41.978653° LONG.: -72.094425° STREET ADDRESS: 117 SHERMAN RD CITY, STATE ZIP: WOODSTOCK, CT 06281 COUNTY: WINDHAM

CODE COMPLIANCE:

GOVERNING CODES:	TIA-222-H
WIND SPEEDS:	119 MPH 3-SECOND GUST 50 MPH 3-SECOND GUST (W/ ICE)
ICE THICKNESS:	1.5"
RISK CATEGORY:	II
EXPOSURE CATEGORY:	B
TOPO CATEGORY:	1
SEISMIC CRITERIA:	
SITE CLASS:	D
RESPONSE COEFFICIENT (R):	2
1-SECOND SPECTRAL RESPONSE ACCELERATION (S <sub>1</sub> ):	0.055
SHORT PERIOD SPECTRAL RESPONSE ACCELERATION (S <sub>s</sub> ):	0.179



GPD Engineering and Architecture  
Professional Corporation

520 South Main Street  
Akron, OH 44311  
330.572.2100 Fax 330.572.2102

WOODSTOCK NW CT  
SITE #: 467233

DESIGN DRAWINGS  
PREPARED FOR:

SMART TOOL PROJECT #: 10084238

REV.	DATE	DESCRIPTION	
		INITIAL	RELEASE
0	7/9/21		

WOODSTOCK NW CT  
117 SHERMAN RD  
WOODSTOCK, CT 06281

TITLE SHEET

ISSUED FOR:  
PERMIT 7/9/2021  
BID -  
CONSTRUCTION -  
RECORD -

ENGINEER	DESIGNER
MAH	MAH
PROJECT MANAGER	APPROVED BY
DP	CJS

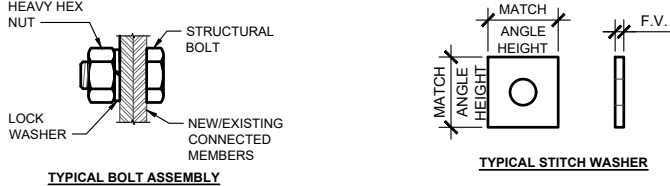
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2021740.467233.01

T-01

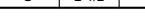
MODIFICATION INSPECTION CHECKLIST		
REQUIRED	REPORT ITEM	BRIEF DESCRIPTION
PRE-CONSTRUCTION		
X	PACKING SLIPS	ANY RECEIPT OF PURCHASE FOR THE MODIFICATION MATERIAL IS ACCEPTABLE.
X	CERTIFICATE OF CONFORMANCE	ALL PRE-ENGINEERED KITS, PARTS, AND/OR ASSEMBLIES PURCHASED FROM REPUTABLE SUPPLIERS SHALL HAVE A SITE SPECIFIC CERTIFICATE OF CONFORMANCE PROVIDED TO CONFIRM ACCEPTABILITY.
X	MATERIAL TEST REPORT (CUSTOM ORDERED OR FABRICATED HARDWARE ONLY)	ALL HARDWARE NOT SPECIFICALLY PROVIDED AS A PRE-ENGINEERED KIT, PART, AND/OR ASSEMBLY SHALL REQUIRE MTR'S TO VERIFY ACCEPTABILITY.
X	EXISTING MOUNT(S)	PHOTOS OF ALL SECTORS (WHERE APPLICABLE) PRIOR TO MODIFICATIONS.
X	HARDWARE PRIOR TO INSTALLATION	PHOTOS OF ALL HARDWARE BEFORE BEING INSTALLED ON THE MOUNT(S).
X	NDT - ALL FULL PENETRATION OR WELDS > 5/16"	AWS STAMPED REPORT REQUIRED. WELDING REQUIREMENTS NOT APPLICABLE FOR PRE-ENGINEERED KITS, PARTS OR ASSEMBLIES FROM REPUTABLE SUPPLIERS.
X	FABRICATOR CERTIFIED WELD INSPECTION	
X	WELDER'S CERTIFICATIONS	

POST-CONSTRUCTION		
X	ON SITE COLD GALVANIZING VERIFICATION (IF APPLICABLE, SEE STRUCTURAL STEEL NOTE #2)	ANY DAMAGE TO THE TOWER SHALL BE REPAIRED IN ACCORDANCE WITH STRUCTURAL STEEL NOTE #2.
X	GC AS-BUILT DRAWINGS	ALL DEVIATIONS TO THE DRAWINGS THAT WERE FOUND MUST BE CLEARLY MARKED AND APPROVED BY THE EOR.
X	MEMBER SIZES	NEW MEMBERS SHALL BE VERIFIED WITH A TAPE MEASURE, CALIPERS, THICKNESS GAUGE, OR OTHER STANDARD INDUSTRY EQUIPMENT.
X	CONNECTION HARDWARE	BOLT SIZE (VIA CALIPERS), FIT-UP, LOCKING MECHANISMS, AND TIGHTNESS SHALL ALL BE VERIFIED AND DOCUMENTED.
X	CRITICAL DIMENSIONS	ALL DIMENSIONS SPECIFICALLY CALLED OUT IN THE DRAWING PACKAGE SHALL BE VERIFIED WITH A TAPE MEASURE, THIS INCLUDES MEMBER LENGTHS, HORIZONTAL AND/OR VERTICAL OFFSETS, SPACING REQUIREMENTS, ETC.
X	FINAL INSTALLED CONFIGURATION	THE COMPLETE MODIFIED CONDITION SHALL BE INSPECTED TO ENSURE FULL CONFORMANCE WITH THE DESIGN DRAWINGS.

### BOLTING DETAILS



BOLT SCHEDULE					WORKABLE GAGES						
BOLT DIAMETER	STANDARD HOLE	SHORT SLOT	MIN. EDGE DISTANCE	C-C SPACING	LEG	4	3-1/2	3	2-1/2	2	1-3/4
1/2	9/16	9/16x11/16	7/8	1-1/2	G	2-1/2	2	1-3/4	1-3/8	1-1/8	1
5/8	11/16	11/16x7/8	1-1/8	1-7/8							
3/4	13/16	13/16x1	1-1/4	2-1/4							
7/8	15/16	15/16x1-1/8	1-1/2	2-5/8							
1	1-1/8	1-1/8x1-5/16	1-3/4	3							



-DIMENSIONS GIVEN IN INCHES  
-MATCH EXISTING WHEN APPLICABLE

## BILL OF MATERIALS

## VZWSMART KITS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
3	VZWSMART	VZWSMART-PLK2	SUPPORT RAIL BRACE KIT	FIELD TRIM REINFORCEMENT ANGLES TO REQUIRED LENGTH.
12		VZWSMART-MSK1	CROSSOVER PLATE ASSEMBLY	
3		VZWSMART-MSK2	CROSSOVER PLATE ASSEMBLY	
OTHER REQUIRED KITS				
1	SITE PRO 1	PRK-SFS-L	V-STYLE REINFORCEMENT KIT	FIELD TRIM REINFORCEMENT ANGLES TO REQUIRED LENGTH.
3	N/A	8'-0" P2.5 STD PIPE	MOUNT PIPE	SEE PAGE N-01 FOR STEEL GRADE REQUIREMENTS.
3		14'-0" P2.5 STD PIPE	SUPPORT RAIL PIPE	SEE PAGE N-01 FOR STEEL GRADE REQUIREMENTS.

NOTES:

1. ALL MATERIALS REQUIRED FOR THE DESIGNED MODIFICATIONS BUT NOT LISTED IN THIS SHEET ARE ASSUMED TO BE PROVIDED BY THE CONTRACTOR.

## VZWSMART KITS - APPROVED VENDORS

## COMMSCOPE

CONTACT	SALVADOR ANGUIANO
PHONE	(817) 304-7492
EMAIL	SALVADOR.ANGUIANO@COMMSCOPE.COM
WEBSITE	WWW.COMMSCOPE.COM

## METROSITE FABRICATORS, LLC

CONTACT	KENT RAMEY
PHONE	(706) 335-7045 (O), (706) 982-9788 (M)
EMAIL	KENT@METROSITELLC.COM
WEBSITE	METROSITEFABRICATORS.COM

## PERFECTVISION

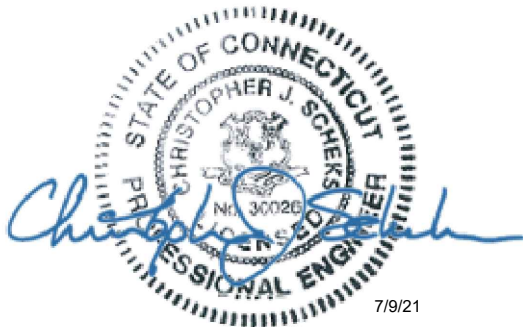
CONTACT	WIRELESS SALES
PHONE	(844) 887-6723
EMAIL	WIRELESSSALES@PERFECT-VISION.COM
WEBSITE	WWW.PERFECT-VISION.COM

## SABRE INDUSTRIES, INC.

CONTACT	ANGIE WELCH
PHONE	(866) 428-6937
EMAIL	AKWELCH@SABREINDUSTRIES.COM
WEBSITE	WWW.SABRESITESOLUTIONS.COM

## SITE PRO

CONTACT	PAULA BOSWELL
PHONE	(972) 236-9843
EMAIL	PAULA.BOSWELL@VALMONT.COM
WEBSITE	WWW.SITEPRO1.COM



7/9/21



**GPD Engineering and Architecture  
Professional Corporation**

520 South Main Street  
Akron, OH 44311  
330.572.2100 Fax 330.572.2102



WOODSTOCK NW CT  
SITE #: 467233

DESIGN DRAWINGS  
PREPARED FOR:

SMART TOOL PROJECT #: 10084238

[illegible]

WOODSTOCK NW CT  
117 SHERMAN RD  
WOODSTOCK, CT 06281

# BILL OF MATERIALS

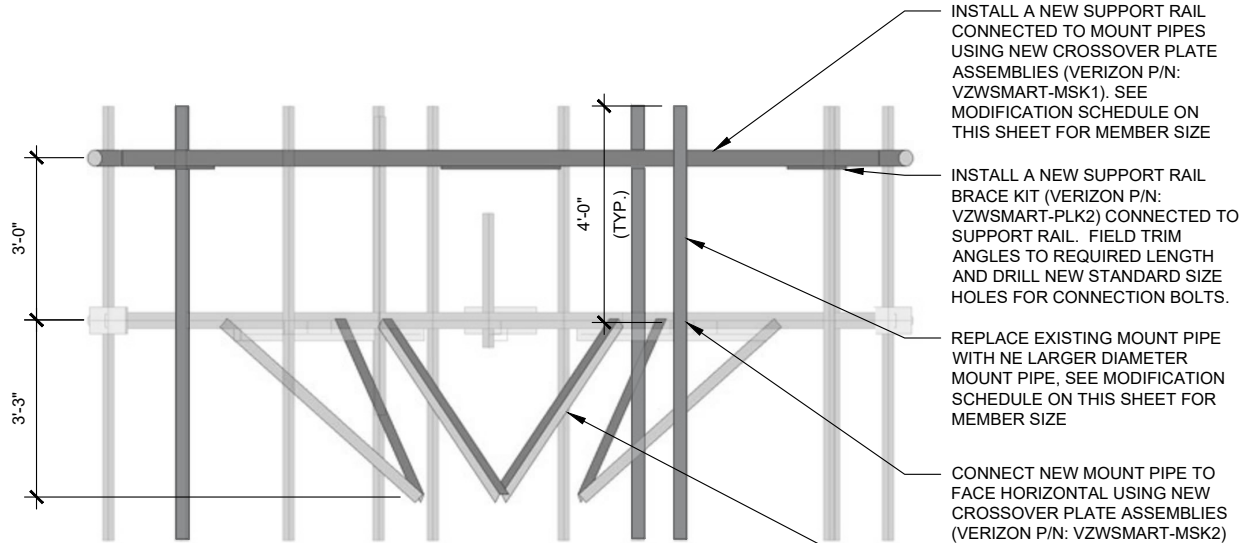
ISSUED FOR:	
PERMIT	7/9/2021
BID	-
CONSTRUCTION	-
RECORD	-

ENGINEER	DESIGNER
MAH	MAH
PROJECT MANAGER	APPROVED BY
DP	CJS

JOB NO.  
2021740.467233.01

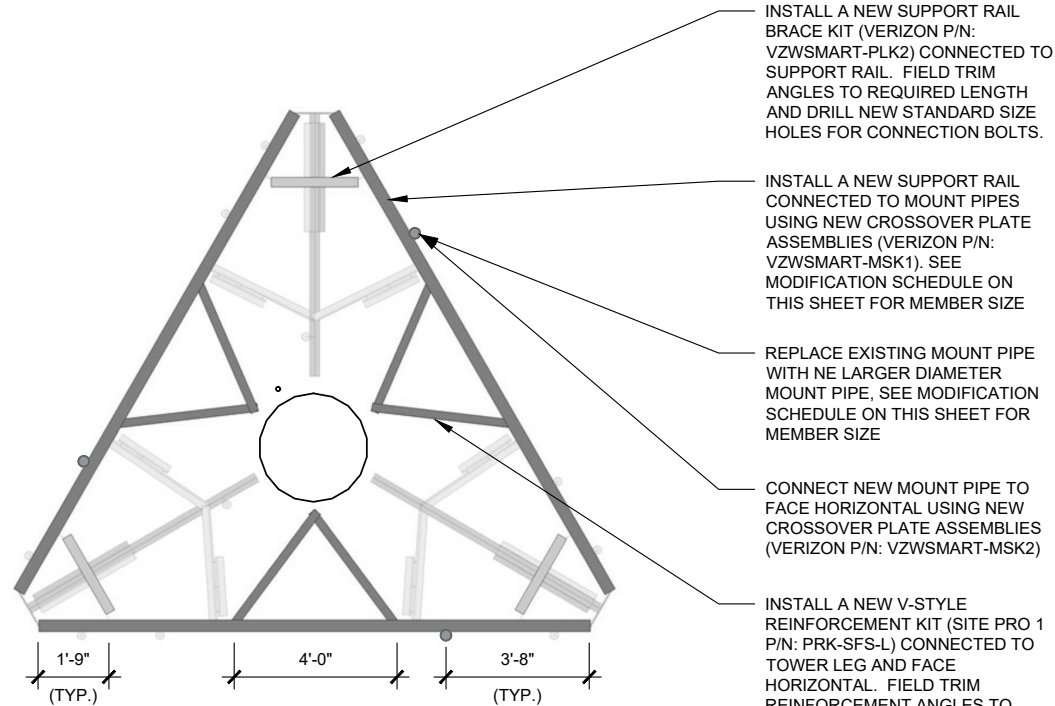
S-01





1 ELEVATION VIEW  
S-02

NOTE:  
1. ALL FIELD CUT ANGLES AND DRILLED HOLES SHALL BE SOLVENT CLEANED AND TOUCHED UP WITH TWO COATS OF BRUSH APPLIED ZRC ZINC RICH COLD GALVANIZING PAINT.

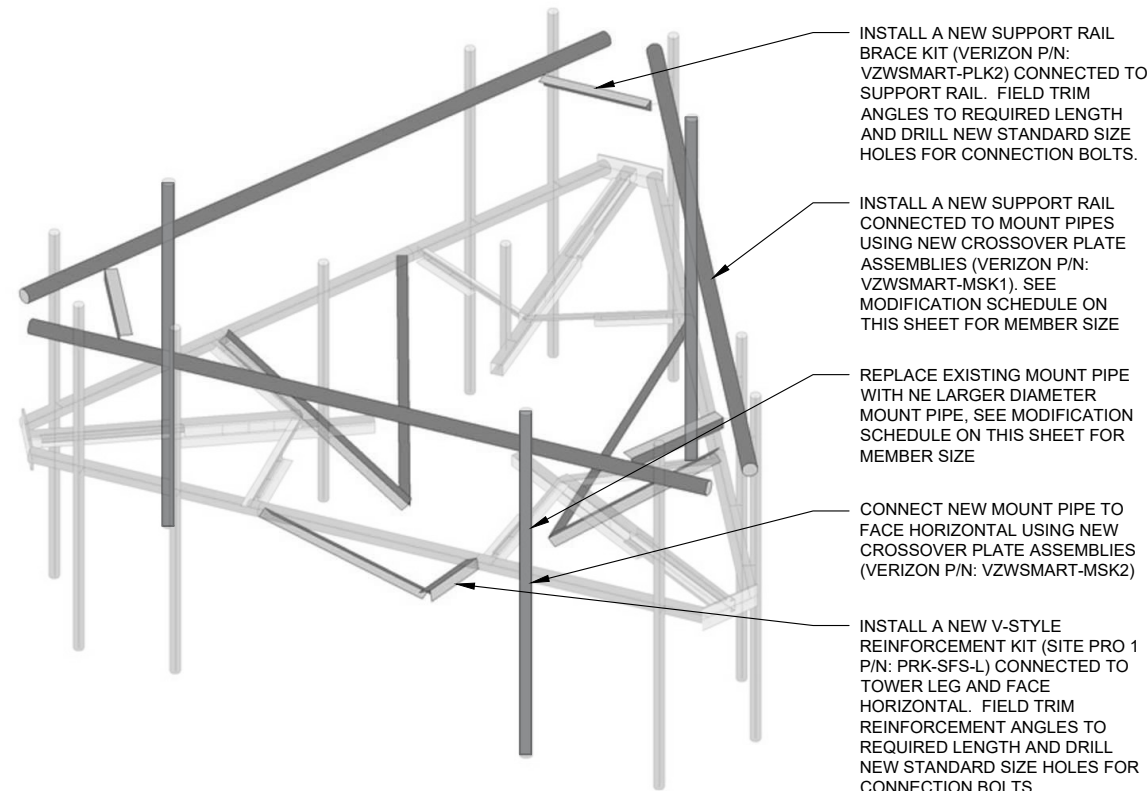
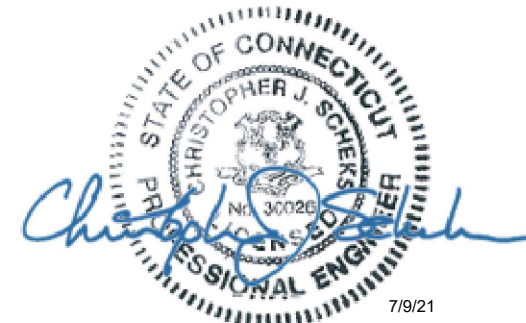


2 PLAN VIEW  
S-02

NOTE:  
1. ALL FIELD CUT ANGLES AND DRILLED HOLES SHALL BE SOLVENT CLEANED AND TOUCHED UP WITH TWO COATS OF BRUSH APPLIED ZRC ZINC RICH COLD GALVANIZING PAINT.

MODIFICATION SCHEDULE					
MEMBER TYPE	ELEVATION	EXISTING MEMBER	NEW MEMBER	REFERENCE DETAIL/SHEET	NOTES
MOUNT PIPE	136'-0"±	13'-7" PLATFORM	8'-0" P2.5 STD MOUNT PIPE (1 PER SECTOR)	SHEETS S-02 & S-03	INSTALL A NEW MOUNT PIPE CONNECTED TO FACE HORIZONTAL AND SUPPORT RAIL.
SUPPORT RAIL			14'-0" P2.5 STD SUPPORT RAIL (1 PER SECTOR)	SHEETS S-02 & S-03	INSTALL A NEW SUPPORT RAIL CONNECTED TO MOUNT PIPES.
SUPPORT RAIL CORNER KIT			SUPPORT RAIL CORNER KIT (1 PER CORNER)	SHEETS S-02 & S-03	INSTALL A NEW SUPPORT RAIL BRACE KIT CONNECTED TO SUPPORT RAIL.
V-STYLE REINFORCEMENT KIT			V-STYLE REINFORCEMENT KIT	SHEETS S-02 & S-03	INSTALL A NEW V-STYLE REINFORCEMENT KIT CONNECTED TO TOWER LEG AND FACE HORIZONTAL.

NOTES:  
1. ANY SUBSTITUTION OF PARTS SPECIFIED IN THIS DESIGN PACKAGE SHALL REQUIRE ENGINEER APPROVAL PRIOR TO FABRICATION.  
2. ALL MATERIAL REMOVED FROM MOUNT SHALL BE DISPOSED OF BY CONTRACTOR OFF SITE.  
3. INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB OR ANY SYSTEM INSTALLED ON THE STRUCTURE.



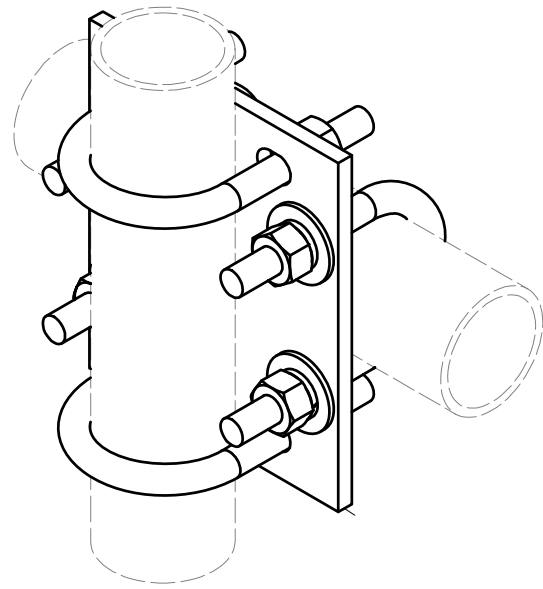
3 ISOMETRIC VIEW  
S-02

NOTE:  
1. ALL FIELD CUT ANGLES AND DRILLED HOLES SHALL BE SOLVENT CLEANED AND TOUCHED UP WITH TWO COATS OF BRUSH APPLIED ZRC ZINC RICH COLD GALVANIZING PAINT.

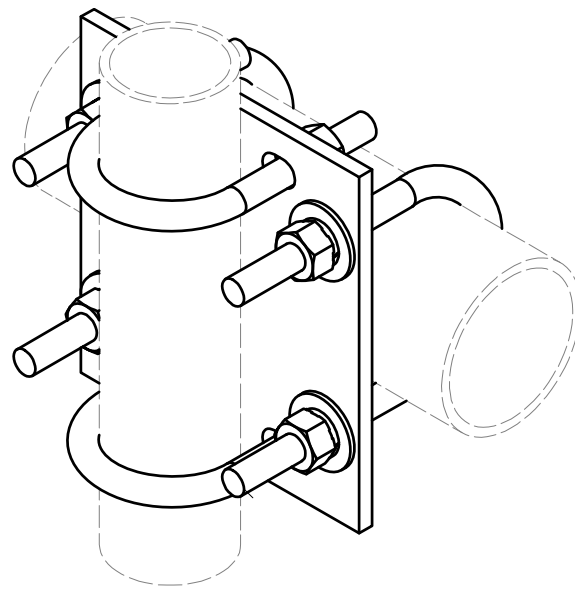
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ISSUED FOR:	
PERMIT	7/9/2021
BID	-
CONSTRUCTION	-
RECORD	-

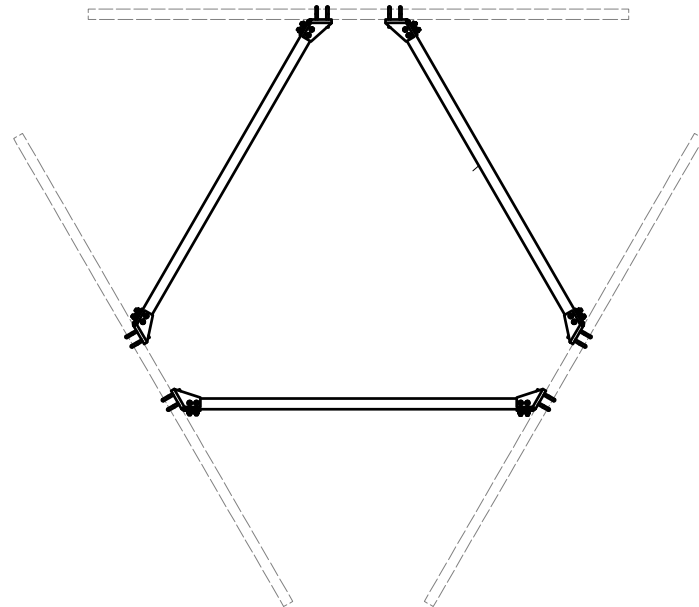
ENGINEER	DESIGNER
MAH	MAH
PROJECT MANAGER	APPROVED BY
DP	CJS



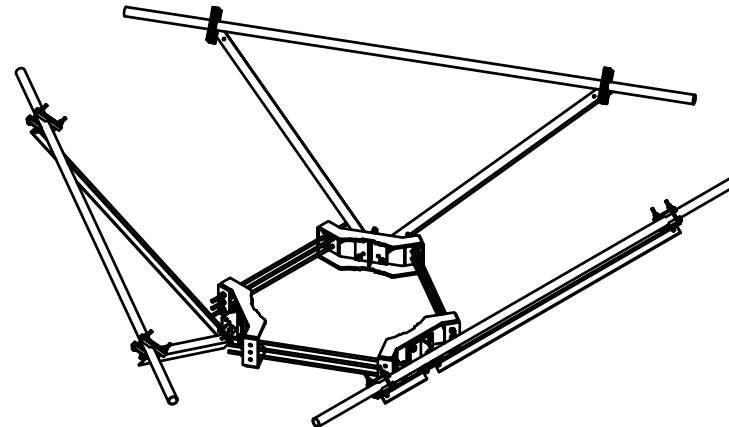
4 VZWSMART-MSK1 CROSSOVER PLATE ASSEMBLIES  
S-03



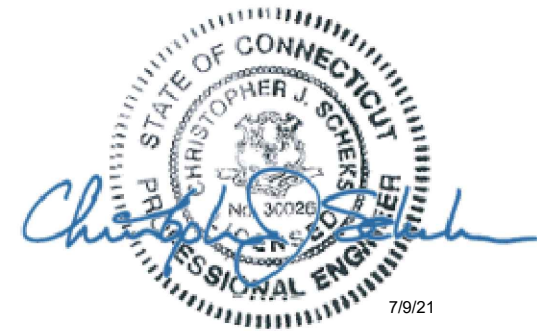
5 VZWSMART-MSK2 CROSSOVER PLATE ASSEMBLIES  
S-03



6 VZWSMART-PLK2 SUPPORT RAIL BRACE KIT  
S-03



7 PRK-SFS-L V-STYLE REINFORCEMENT KIT  
S-03



WOODSTOCK NW CT  
SITE # 467233

DESIGN DRAWINGS  
PREPARED FOR:



SMART TOOL PROJECT #: 10084238

REV.	DATE	DESCRIPTION	
		INITIAL	RELEASE
0	7/9/21		

WOODSTOCK NW CT  
117 SHERMAN RD  
WOODSTOCK, CT 06281  
DETAILS/PARTS

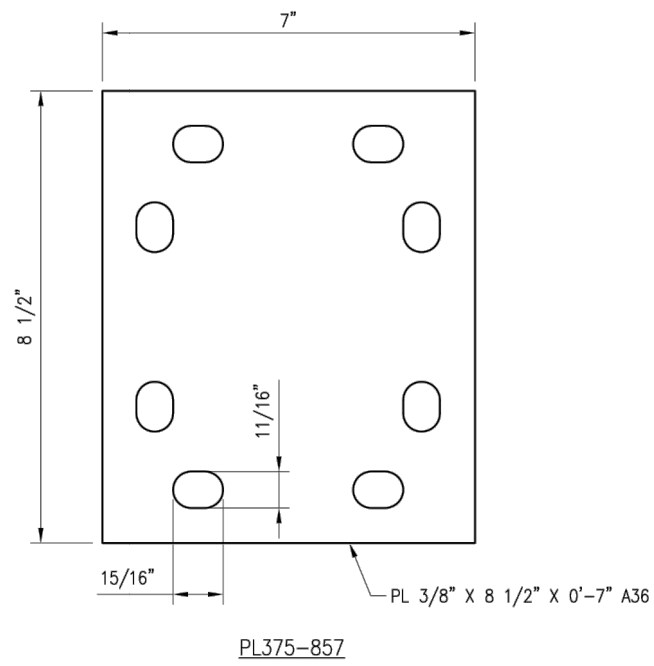
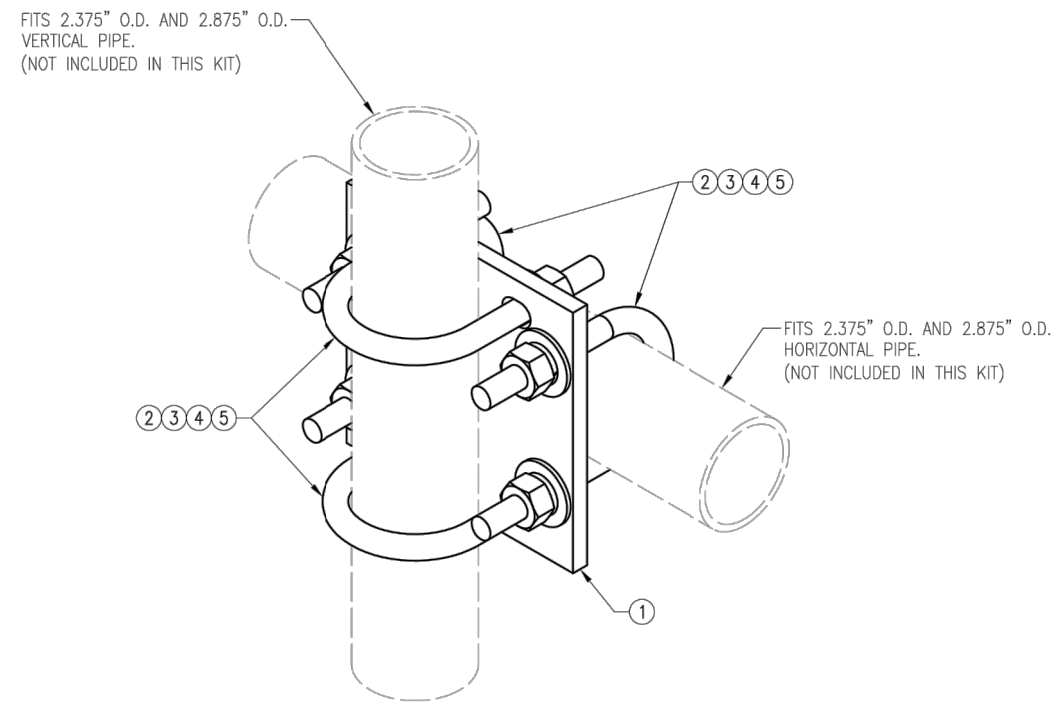
ISSUED FOR:	
PERMIT	7/9/2021
BID	-
CONSTRUCTION	-
RECORD	-

ENGINEER	DESIGNER
MAH	MAH
PROJECT MANAGER	APPROVED BY
DP	CJS

JOB NO.  
2021740.467233.01

S-03

REFERENCE  
ONLY



NOTES:  
1. HOT-DIPPED GALVANIZED PER ASTM A123.

VZSMART-MSK1 (CROSSOVER PLATE)					
ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	PL375-857	PL 3/8" X 8 1/2" X 0'-7" A36	MSK1-F1	6
2	4	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	5
3	8	FW-625	5/8" HDG USS FLAT WASHER	---	1
4	8	LW-625	5/8" HDG LOCK WASHER	---	0
5	8	NUT-625	5/8" HDG HEX NUT	---	1
GALVANIZED WT					14

VzW  
SMART Tool<sup>®</sup>  
Vendor

verizon

DRAWN BY: H.R.

CHECKED BY: HMA

REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	H.R.	05/08/20

SHEET TITLE:

VZSMART-MSK1  
CROSSOVER PLATE

SHEET NUMBER:

VZSMART-MSK1

REV #:

0

520 South Main Street  
Akron, OH 44311  
330.572.2100 Fax 330.572.2102

verizon

WOODSTOCK NW CT  
SITE # 467233

DESIGN DRAWINGS  
PREPARED FOR:

verizon

SMART TOOL PROJECT #: 10084238

REV.	DATE	DESCRIPTION
0	7/9/21	INITIAL RELEASE

WOODSTOCK NW CT  
117 SHERMAN RD  
WOODSTOCK, CT 06281

DETAILS/PARTS

ISSUED FOR:

PERMIT 7/9/2021

BID -

CONSTRUCTION -

RECORD -

ENGINEER	DESIGNER
MAH	MAH
PROJECT MANAGER	APPROVED BY
DP	CJS

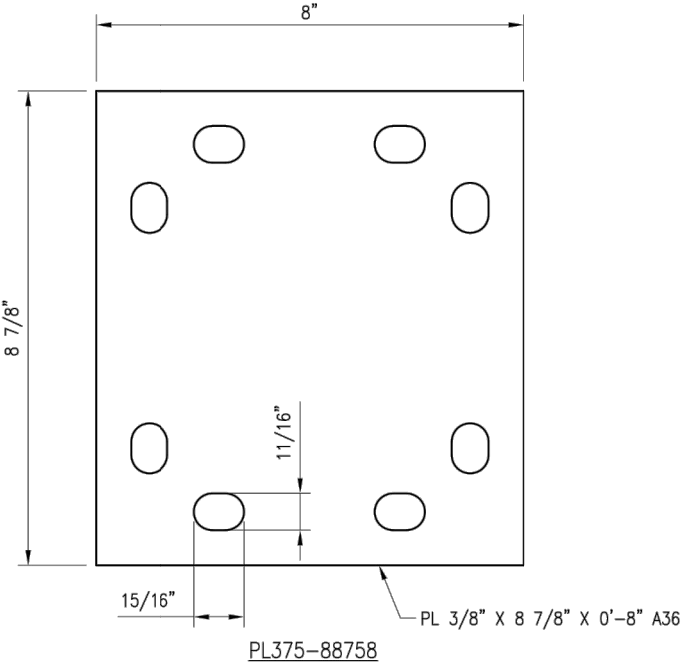
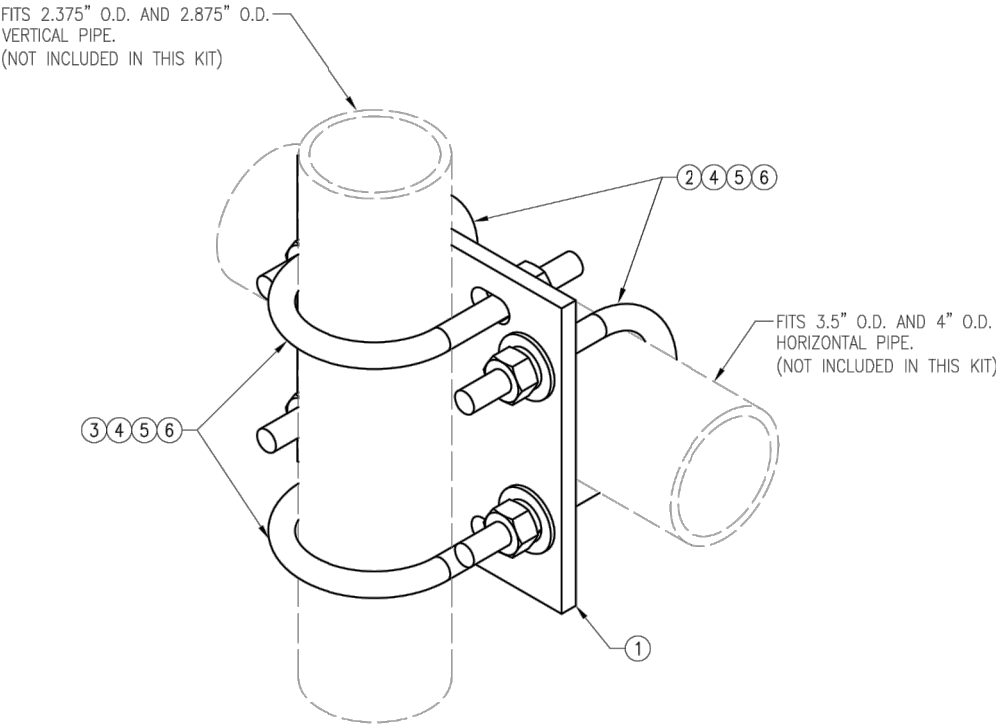
JOB NO.

2021740.467233.01

S-04



REFERENCE  
ONLY



NOTES:  
1. HOT-DIPPED GALVANIZED PER ASTM A123.

VZSMART-MSK2 (CROSSOVER PLATE)					
ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	PL375-88758	PL 3/8" X 8 3/4" X 0'-8" A36	MSK2-F1	8
2	2	MS02-625-4125-600	RU-BOLT 5/8" X 4 1/8" I.W. X 6" I.L. A36 (OR EQUIV.)	RBC-1	3
3	2	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	3
4	8	FW-625	5/8" HDG USS FLAT WASHER	---	1
5	8	LW-625	5/8" HDG LOCK WASHER	---	0
6	8	NUT-625	5/8" HDG HEX NUT	---	1
GALVANIZED WT					15

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DRAWN BY: HJR

CHECKED BY: HMA

REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	HJR	05/08/20

SHEET TITLE:

VZSMART-MSK2  
CROSSOVER PLATE

SHEET NUMBER:

VZSMART-MSK2

REV #:

0

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Professional Corporation  
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330.572.2100 Fax 330.572.2102

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WOODSTOCK NW CT  
SITE # 467233

DESIGN DRAWINGS  
PREPARED FOR:

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SMART TOOL PROJECT #: 10084238

REV.	DATE	DESCRIPTION
0	7/9/21	INITIAL RELEASE

WOODSTOCK NW CT  
117 SHERMAN RD  
WOODSTOCK, CT 06281

DETAILS/PARTS

ISSUED FOR:

PERMIT 7/9/2021

BID -

CONSTRUCTION -

RECORD -

ENGINEER	DESIGNER
MAH	MAH
PROJECT MANAGER	APPROVED BY
DP	CJS

JOB NO.

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S-05

REV.	DATE	DESCRIPTION
0	7/9/21	INITIAL RELEASE

WOODSTOCK NW CT  
117 SHERMAN RD  
WOODSTOCK, CT 06281

DETAILS/PARTS

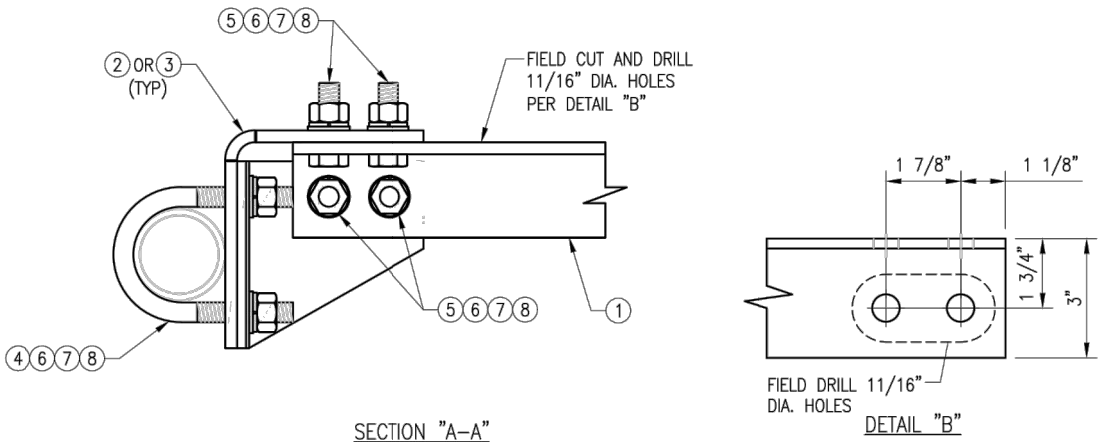
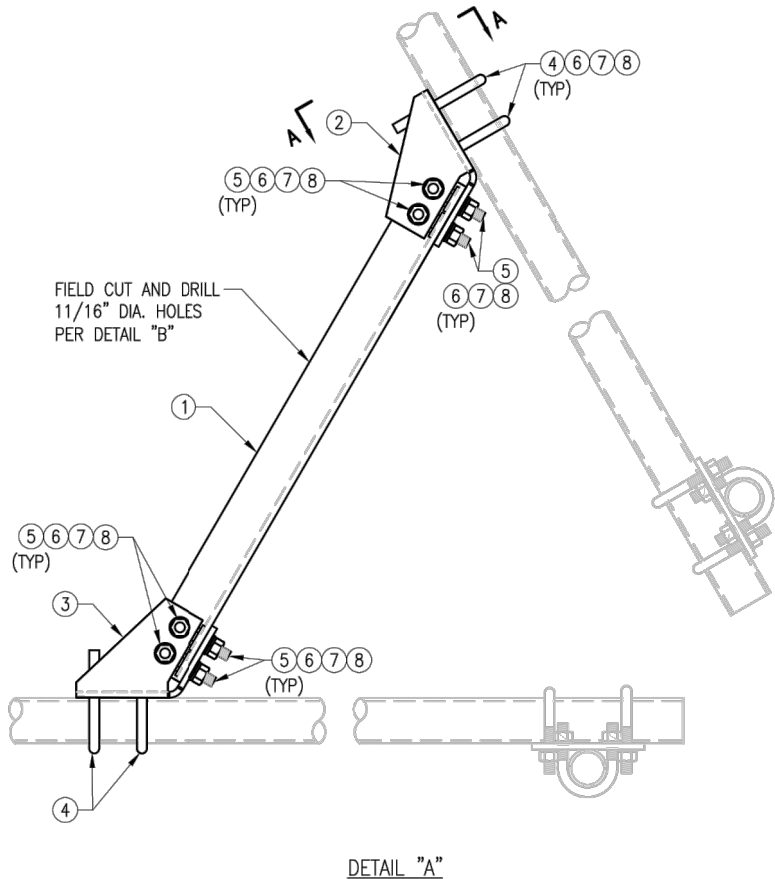
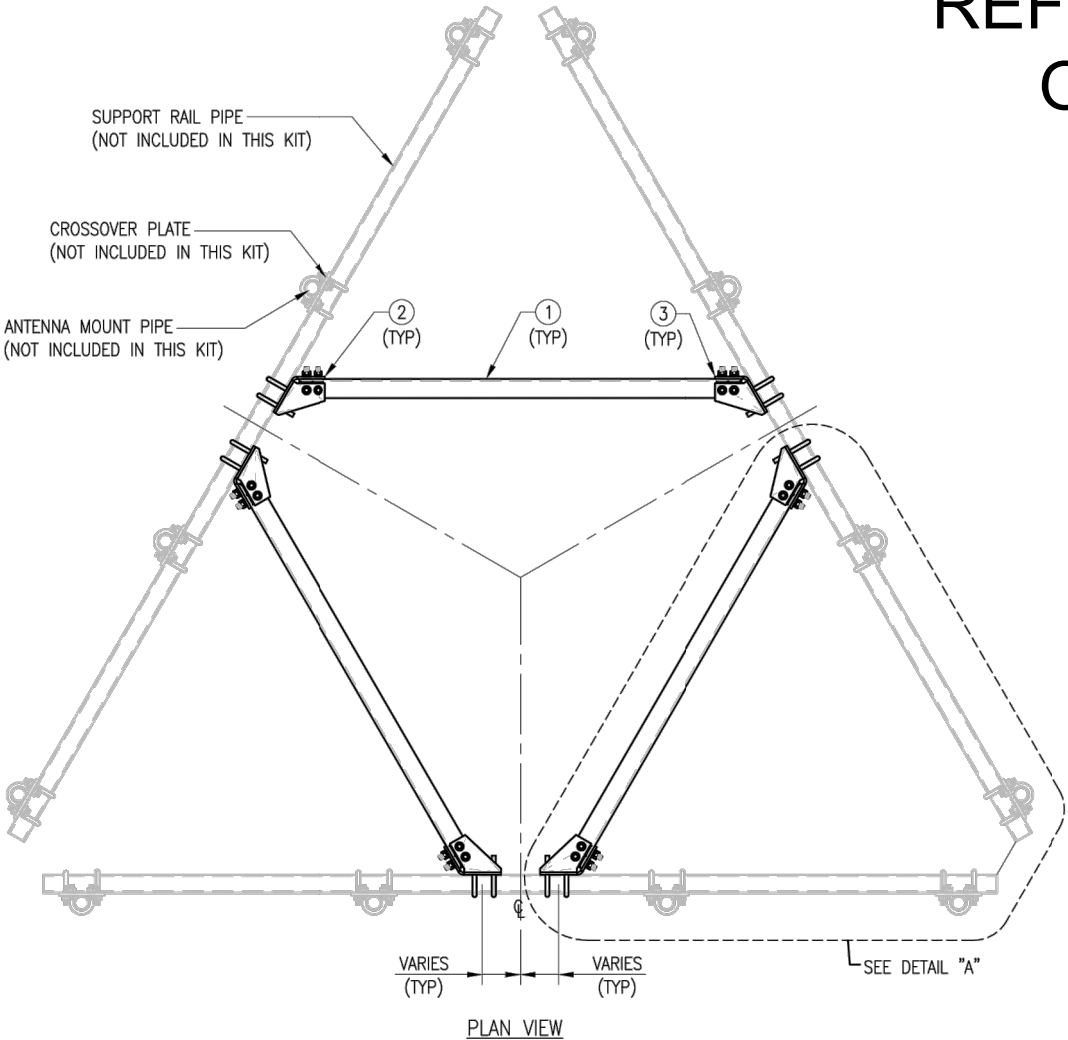
ISSUED FOR:	
PERMIT	7/9/2021
BID	-
CONSTRUCTION	-
RECORD	-

ENGINEER	DESIGNER
MAH	MAH
PROJECT MANAGER	APPROVED BY
DP	CJS

JOB NO.  
2021740.467233.01

S-06

# REFERENCE ONLY



NOTES:  
1. HOT-DIPPED GALVANIZED PER ASTM A123.

VZWSMART-PLK2 (PLATFORM SUPPORT RAIL BRACING)					
ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	L3325-8	L 3" X 3" X 1/4" X 8'-0" A36	PLK2-F1	120
2	3	CBP-L	CORNER BENT PLATE BRACKET	PLK2-F2	28
3	3	CBP-R	CORNER BENT PLATE BRACKET	PLK2-F2	28
4	12	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	16
5	24	---	BOLT 5/8" X 2" A325 W/HHN & LKW EA.	---	9
6	48	FW-625	5/8" HDG USS FLAT WASHER	---	4
7	48	LW-625	5/8" HDG LOCK WASHER	---	1
8	48	NUT-625	5/8" HDG HEX NUT	---	6
GALVANIZED WT					211

VzW  
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Vendor

verizon

DRAWN BY: CH/HR		CHECKED BY: HMA/KW	
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	CH/HR	05/08/20

SHEET TITLE:  
VZWSMART-PLK2  
PLATFORM SUPPORT  
RAIL KIT

SHEET NUMBER: VZWSMART-PLK2	REV #: 0
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WOODSTOCK NW CT  
SITE # 467233

DESIGN DRAWINGS  
PREPARED FOR:



SMART TOOL PROJECT #: 10084238

REV.	DATE	DESCRIPTION
0	7/9/21	INITIAL RELEASE

WOODSTOCK NW CT  
117 SHERMAN RD  
WOODSTOCK, CT 06281

DETAILS/PARTS

ISSUED FOR:	
PERMIT	7/9/2021
BID	-
CONSTRUCTION	-
RECORD	-

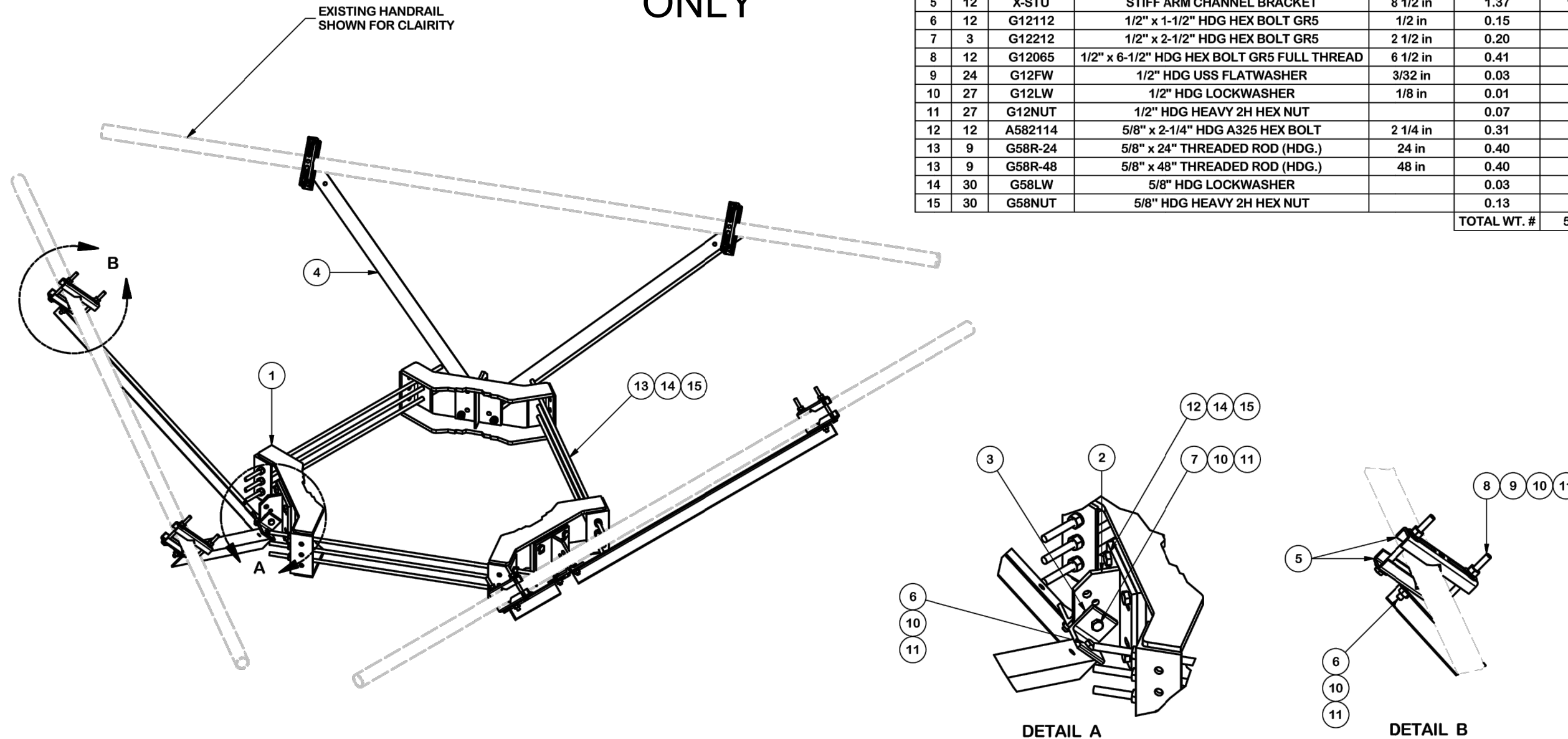
ENGINEER	DESIGNER
MAH	MAH
PROJECT MANAGER	APPROVED BY
DP	CJS

JOB NO.  
2021740.467233.01

S-07

REFERENCE  
ONLY

PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	3	X-LWRM	RING MOUNT WELDMENT		68.81	206.42
2	3	X-TBW	T-BRACKET WELDMENT		13.60	40.80
3	6	SHCM-T	CHAIN MOUNT TIGHTENER BRACKET	3 in	1.86	11.15
4	6	X-232697	TRPD-HD DIAGONAL ANGLE - SITE PRO 1	52 1/2 in	14.35	86.08
5	12	X-STU	STIFF ARM CHANNEL BRACKET	8 1/2 in	1.37	16.46
6	12	G12112	1/2" x 1-1/2" HDG HEX BOLT GR5	1/2 in	0.15	1.77
7	3	G12212	1/2" x 2-1/2" HDG HEX BOLT GR5	2 1/2 in	0.20	0.61
8	12	G12065	1/2" x 6-1/2" HDG HEX BOLT GR5 FULL THREAD	6 1/2 in	0.41	4.91
9	24	G12FW	1/2" HDG USS FLATWASHER	3/32 in	0.03	0.82
10	27	G12LW	1/2" HDG LOCKWASHER	1/8 in	0.01	0.38
11	27	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	1.93
12	12	A582114	5/8" x 2-1/4" HDG A325 HEX BOLT	2 1/4 in	0.31	3.75
13	9	G58R-24	5/8" x 24" THREADED ROD (HDG.)	24 in	0.40	3.59
13	9	G58R-48	5/8" x 48" THREADED ROD (HDG.)	48 in	0.40	3.59
14	30	G58LW	5/8" HDG LOCKWASHER		0.03	0.78
15	30	G58NUT	5/8" HDG HEAVY 2H HEX NUT		0.13	3.90
TOTAL WT. #						587.71



#### TOLERANCE NOTES

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

PROPRIETARY NOTE:  
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#### DESCRIPTION

HANDRAIL REINFORCEMENT KIT



A valmont COMPANY

Engineering  
Support Team:  
1-888-753-7446

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

REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE
A	CHANGED MAX. DIA. FOR HANDRAIL CONNECTION	SP1	BC	10/23/2017

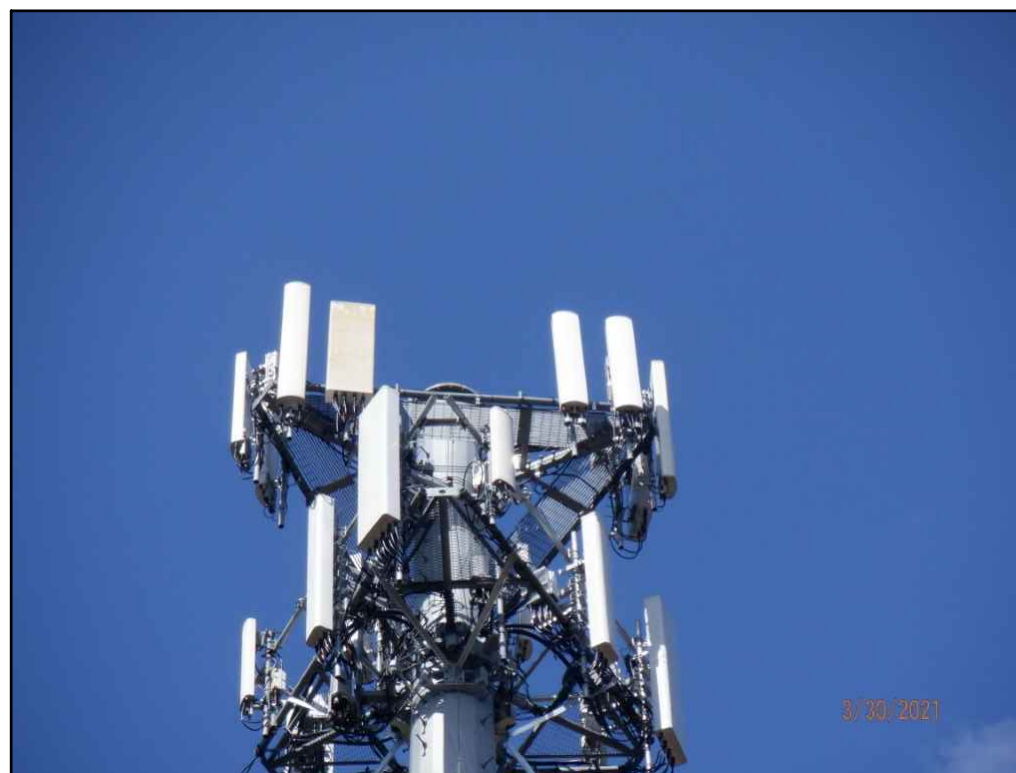
REVISION HISTORY

CPD NO.	DRAWN BY	ENG. APPROVAL
SP1	CSL3 2/23/2017	3RD PARTY
CLASS	SUB	DRAWING USAGE
81	02	SHOP

PART NO.	DWG. NO.
PRK-SFS	PRK-SFS

PAGE  
1 OF 3





**GPD Engineering and Architecture  
Professional Corporation**

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Akron, OH 44311  
330.572.2100 Fax 330.572.2102



WOODSTOCK NW CT  
SITE #: 467233

DESIGN DRAWINGS  
PREPARED FOR:

SMART TOOL PROJECT #: 10084238

[illegible]

WOODSTOCK NW CT  
117 SHERMAN RD  
WOODSTOCK, CT 06281

MOUNT PHOTOS

ISSUED FOR:	
PERMIT	7/9/202
BID	-
CONSTRUCTION	-
RECORD	-

ENGINEER	DESIGNER
MAH	MAH
PROJECT MANAGER	APPROVED BY
DP	CJS

JOB NO.  
2021740.467233.01

S-08



7/9/21