



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.

AP	PROVAL:	SIGNATURE:	DATE:
PR	OJECT MANAGER:		
SITE ACQUISITION:			
CONSTRUCTION MANAGER:			
SIT	E OWNER:		
	RF ENGINEER		
z	DEVELOPMENT MANAGER		
VERIZON	CONSTRUCTION MANAGER		
>	OPS MANAGER		
	PROJECT MANAGER		

VERIZON ANTENNA AMENDMENT DRAWINGS

COMPLIANCE CODE	PROJECT SUMMARY	PROJECT DESCRIPTION		SHEET INDEX				Ш
ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE	SITE ADDRESS:	THE PROPOSED PROJECT INCLUDES MODIFYING GROUND BASED AND TOWER MOUNTED EQUIPMENT AS INDICATED PER BELOW:	SHEET NO:	DESCRIPTION:	REV:	DATE:	BY:	
FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNMENT AUTHORITIES. NOTHING IN THESE PLANS IS	OTHING IN THESE PLANS IS WORK NOT CONFORMING TO WOODSTOCK, CT 06281-1901 COUNTY: WINDHAM REMOVE (9) ANTENNA(s), (6) RRH(s), (1) 1-5/8" COAX, AND (2) 1-1/4" HYBRIFLEX CABLE(s) INSTALL (3) DUAL ANTENNA MOUNT(s), (9) ANTENNA(s), (6) RRH(s),	G-001	TITLE SHEET	1	10/08/21	DO	11	
TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.		INSTALL (3) DUAL ANTENNA MOUNT(s), (9) ANTENNA(s), (6) RRH(s),	G-002	GENERAL NOTES	1	10/08/21	DO	11
INTERNATIONAL BUILDING CODE (IBC)			C-101	DETAILED SITE PLAN	1	10/08/21	DO	11
2. NATIONAL ELECTRIC CODE (NEC)	GEOGRAPHIC COORDINATES: LATITUDE: 41.97865275	EXISTING (3) ANTENNA(s), (2) OVP(s), (11) 1-5/8" COAX CABLE(s)	C-201	TOWER ELEVATION	1	10/08/21	DO	11
LOCAL BUILDING CODE CITY/COUNTY ORDINANCES	LONGITUDE: -72.09443573	TO REMAIN	C-401	ANTENNA INFORMATION & SCHEDULE	1	10/08/21	DO	11
	GROUND ELEVATION: 902' AMSL		C-501	CONSTRUCTION DETAILS	1	10/08/21	DO	11
			E-501	GROUNDING DETAILS	1	10/08/21	DO	11
			R-601	SUPPLEMENTAL				1
		PROJECT NOTES		MOUNT MODIFICATION SHEET				11
	PROJECT TEAM TOWER OWNER: APPLICANT: AMERICAN TOWER VERIZON WIRELESS 10 PRESIDENTIAL WAY WOBURN, MA 01801	THE FACILITY IS UNMANNED. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE. NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED.						- - -
UTILITY COMPANIES	ENGINEER:	HANDICAP ACCESS IS NOT REQUIRED. THE PROJECT DEPICTED IN THESE PLANS QUALIFIES AS AN ELIGIBLE FACILITIES REQUEST ENTITLED TO EXPEDITED.						11
POWER COMPANY: NORTHEAST UTILITY SERVICES PHONE: (888) 783-6617 TELEPHONE COMPANY: SBC SNET PHONE: (800) 922-4455	HUDSON DESIGN GROUP, LLC 45 BEECHWOOD DRIVE NORTH ANDOVER, MA 01845	REVIEW UNDER 47 U.S.C. § 1455(A) AS A MODIFICATION OF AN EXISTING WIRELESS TOWER THAT INVOLVES THE COLLOCATION, REMOVAL, AND/OR REPLACEMENT OF TRANSMISSION EQUIPMENT THAT IS NOT A SUBSTANTIAL CHANGE UNDER CFR § 1.61000 (B)(7).						
PHONE. (600) 922-4433	PROPERTY OWNER:	PROJECT LOCATION DIRECTIONS						┨╏
Know what's below. Call before you dig.	COLIN HALLQUEST 40 SHERMAN ROAD WOODSTOCK, CT 06281	I-84 EAST TO EXIT 73. TAKE RIGHT OFF EXIT ONTO ROUT 190. FOLLOW FOR 1.8 MILES AND TAKE A RIGHT ONTO RTE 171. GO OVER 2 MILES AND BEAR LEFT ONTO RTE 197. GO 1.9 MILES AND TAKE A RIGHT ONTO RTE 198. FOLLOW RTE 198FOR 0.2 MILES AND TAKE 1ST RIGHT ONTO SHERMAN ROAD.FOLLOW SHERMAN ROAD APPROX 1/2 AND GATE IS ON THE RIGHT.						- -





45 BEECHWOOD DRIVE N. ANDOVER, MA 01845

FAX: (978) 336-5586

REV.	DESCRIPTION	BY	DATE
<u> </u>	PRELIM	VS	08/24/21
△	FINAL	<u>TR</u> _	09/16/21
<u>/1\</u>	FINALS REVISED	DO	10/08/21
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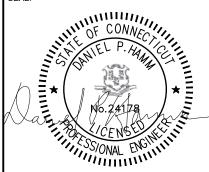
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SITE ADDRESS: 40 SHERMAN ROAD WOODSTOCK, CT 06281-1901

SFAL:





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

TITLE SHEET

SHEET NUMBER:

G-001

GENERAL CONSTRUCTION NOTES:

- 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) AC/TELCO INTERFACE BOX (PPC)
- ICE BRIDGE (CABLE TRAY WITH COVER) (GROUND BUILD/CO-LOCATE ONLY, GC TO FURNISH AND INSTALL FOR ROOFTOP INSTALLATION)
- TOWERS, MONOPOLES
- TOWER LIGHTING
- GENERATORS & LIQUID PROPANE TANK
- ANTENNA STANDARD BRACKETS, FRAMES AND PIPES FOR MOUNTING
- ANTENNAS (INSTALLED BY OTHERS)
- TRANSMISSION LINE
- TRANSMISSION LINE JUMPERS
- TRANSMISSION LINE CONNECTORS WITH WEATHERPROOFING KITS
- L. TRANSMISSION LINE GROUND KITS
- M. HANGERS
- HOISTING GRIPS
- O. BTS EQUIPMENT
- 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
- ALL WORK SHALL CONFORM TO ALL CURRENT APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING ANSI/EIA/TIA-222, AND COMPLY WITH ATC CONSTRUCTION
- CONTRACTOR SHALL CONTACT LOCAL 811 FOR IDENTIFICATION OF UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED
- 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
- DO NOT CHANGE SIZE OR SPACING OF STRUCTURAL ELEMENTS
- DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS
- THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR
- CONTRACTOR SHALL BRACE STRUCTURES LINTIL ALL STRUCTURAL FLEMENTS NEEDED FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: LATERAL BRACING,
- CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES. GROUNDS DRAINS, DRAIN PIPES, VENTS, ETC. BEFORE COMMENCING WORK
- 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
- EACH CONTRACTOR SHALL COOPERATE WITH THE VERIZON REP, AND COORDINATE HIS WORK WITH THE WORK OF OTHERS.
- 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.
- ALL CABLE/CONDUIT ENTRY/EXIT PORTS SHALL BE WEATHERPROOFED DURING INSTALLATION USING A SILICONE SEALANT
- WHERE EXISTING CONDITIONS DO NOT MATCH THOSE SHOWN IN THIS PLAN SET, CONTRACTOR SHALL NOTIFY THE VERIZON REP AND ENGINEER OF RECORD
- 17. CONTRACTOR SHALL ENSURE ALL SUBCONTRACTORS ARE PROVIDED WITH A COMPLETE AND CURRENT SET OF DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
- CONTRACTOR SHALL REMOVE ALL RUBBISH AND DEBRIS FROM THE SITE AT THE END OF
- CONTRACTOR SHALL COORDINATE WORK SCHEDULE WITH AMERICAN TOWER CORPORATION (ATC) AND TAKE PRECAUTIONS TO MINIMIZE IMPACT AND DISRUPTION OF OTHER OCCUPANTS OF THE FACILITY.
- CONTRACTOR SHALL FURNISH VERIZON AND AMERICAN TOWER CORPORATION (ATC) ITH A PDF MARKED UP AS-BUILT SET OF DRAWINGS UPON COMPLETION OF WORK
- 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

- 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
- 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
- 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
- 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
- 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.
- THE CONTRACTOR SHALL PROTECT AT HIS OWN EXPENSE, ALL EXISTING FACILITIES AND SPECIAL CONSTRUCTION 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 FLEMENTS 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.
- 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
- 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
- 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.
- VERIZON OR HIS ARCHITECT/ENGINEER RESERVES THE RIGHT TO REJECT ANY FOLIPMENT 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.

STRUCTURAL STEEL NOTES:

- STRUCTURAL STEEL SHALL CONFORM TO THE LATEST EDITION OF THE AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL
- STRUCTURAL STEEL ROLLED SHAPES, PLATES AND BARS SHALL CONFORM TO THE FOLLOWING ASTM DESIGNATIONS:
 - A. ASTM A-572, GRADE 50 ALL W SHAPES, UNLESS NOTED OR A992 OTHERWISE
 - B. ASTM A-36 ALL OTHER ROLLED SHAPES, PLATES AND BARS UNLESS NOTED
 - C. ASTM A-500, GRADE B HSS SECTION (SQUARE, RECTANGULAR, AND ROUND)
 - D. ASTM A-325, TYPE SC OR N. ALL BOLTS FOR CONNECTING STRUCTURAL
 - E. ASTM F-1554 07 ALL ANCHOR BOLTS, UNLESS NOTED OTHERWISE
- ALL EXPOSED STRUCTURAL STEEL MEMBERS SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION PER ASTM A123. EXPOSED STEEL HARDWARE AND ANCHOR BOLTS SHALL BE GALVANIZED PER ASTM A153 OR B695.
- ALL FIELD CUT SURFACES, FIELD DRILLED HOLES AND GROUND SURFACES WHERE EXISTING PAINT OR GALVANIZATION REMOVAL WAS REQUIRED SHALL BE REPAIRED WITH (2) BRUSHED COATS OF ZRC GALVILITE COLD GALVANIZING COMPOUND PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS
- DO NOT DRILL HOLES THROUGH STRUCTURAL STEEL MEMBERS EXCEPT AS SHOWN AND DETAILED ON STRUCTURAL DRAWINGS
- CONNECTIONS
 - A. ALL WELDING TO BE PERFORMED BY AWS CERTIFIED WELDERS AND CONDUCTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AWS WELDING

- ALL WELDS SHALL BE INSPECTED VISUALLY. 25% OF WELDS SHALL BE INSPECTED WITH DYE PENETRANT OR MAGNETIC PARTICLE TO MEET THE ACCEPTANCE CRITERIA OF AWS D1.1 REPAIR ALL WELDS AS NECESSARY
- C. INSPECTION SHALL BE PERFORMED BY AN AWS CERTIFIED WELD INSPECTOR.
- D. IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE BURNING/WELDING PERMITS AS REQUIRED BY LOCAL GOVERNING AUTHORITY AND IF REQUIRED SHALL HAVE FIRE DEPARTMENT DETAIL FOR ANY WELDING ACTIVITY.
- E. ALL ELECTRODES TO BE LOW HYDROGEN, MATCHING FILLER METAL, PER AWS D1.1, UNLESS NOTED OTHERWISE.
- F. MINIMUM WELD SIZE TO BE 0.1875 INCH FILLET WELDS, UNLESS NOTED
- G PRIOR TO FIELD WELDING GALVANIZING MATERIAL CONTRACTOR SHALL GRIND OFF GALVANIZING ½" BEYOND ALL FIELD WELD SURFACES. AFTER WELD AND WELD INSPECTION IS COMPLETE, REPAIR ALL GROUND AND WELDED SURFACES WITH ZRC GALVILITE COLD GALVANIZING COMPOUND PER ASTM A780 AND
- H. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE REQUIRED DURING CONSTRUCTION UNTIL ALL CONNECTIONS ARE
- ANY FIELD CHANGES OR SUBSTITUTIONS SHALL HAVE PRIOR APPROVAL FROM THE ENGINEER, AND T- MOBILE PROJECT MANAGER IN WRITING

ANTENNA INSTALLATION NOTES:

- 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
 - 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
 - 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:
- ALL EXTERIOR #6 GREED GROUND WIRE "DAISY CHAIN" CONNECTIONS ARE TO BE WEATHER SEALED WITH RFS CONNECTORS/SPLICE WEATHERPROOFING KIT #221213 OR
- 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 PRIOF 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 VS 08/24/21 TR 09/16/21 FINAL FINALS REVISED DO 10/08/21

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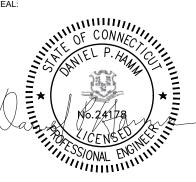
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SITE ADDRESS: 40 SHERMAN ROAD WOODSTOCK, CT 06281-1901

SFAL





DATE DRAWN: 09/16/21 13714508 D1 ATC JOB NO: WOODSTOCK NW CT CUSTOMER ID: CUSTOMER #: | 467233

GENERAL NOTES

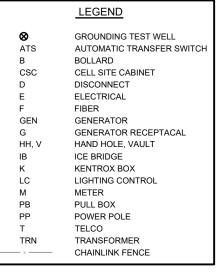
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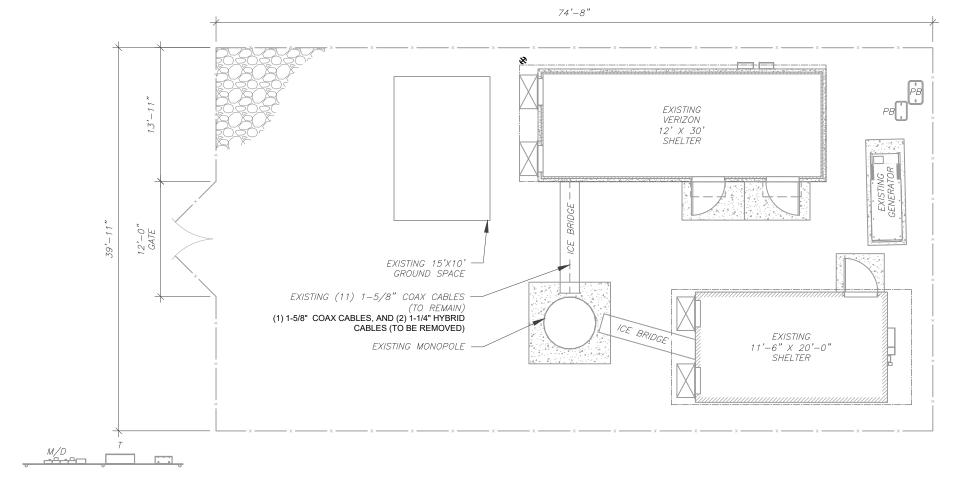
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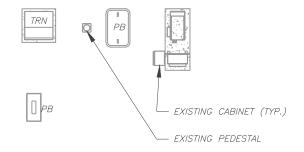
G-002

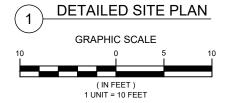
SITE PLAN NOTES:

- 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.















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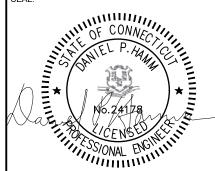
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SEAL



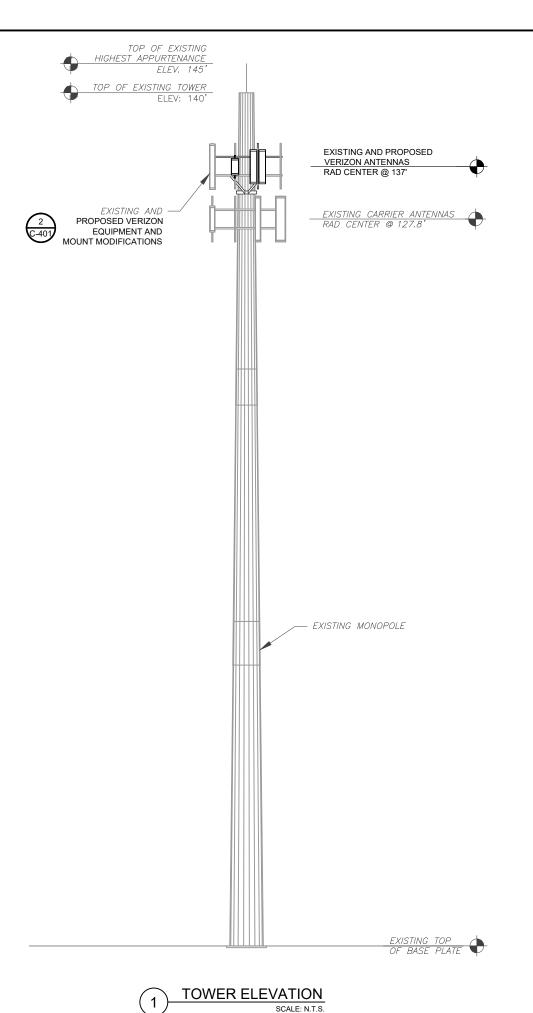


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DETAILED SITE PLAN

SHEET NUMBER:

C-101



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

- 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.
 TOWER ELEVATIONS ARE MEASURED FROM TOP
- 3. TOWER ELEVATIONS ARE MEASURED FROM TOP OF BASE PLATE TO MATCH STRUCTURAL ANALYSIS. ELEVATIONS DO NOT REFLECT TRUE ABOVE GROUND LEVEL (A.G.L.)
- 4. TOWER ELEVATION DEPICTION MAY NOT REFLECT ALL EQUIPMENT INCLUDED IN STRUCTURAL ANALYSIS. REFER TO STRUCTURAL ANALYSIS FOR FULL TOWER LOADING.





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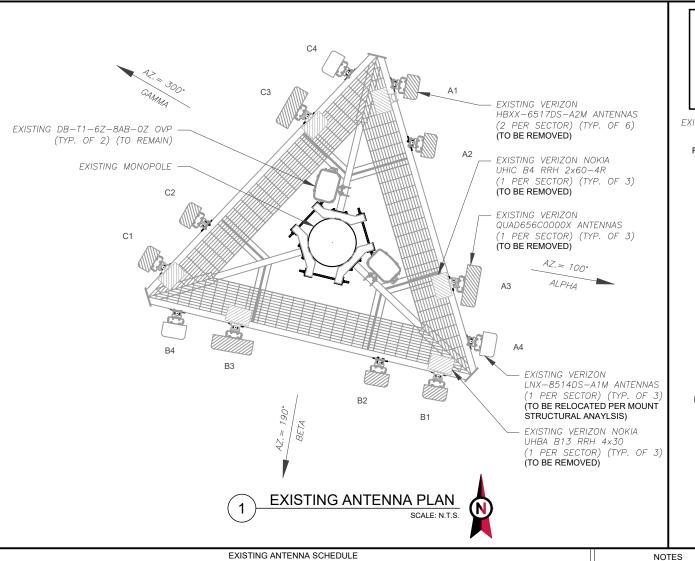
TOWER ELEVATION

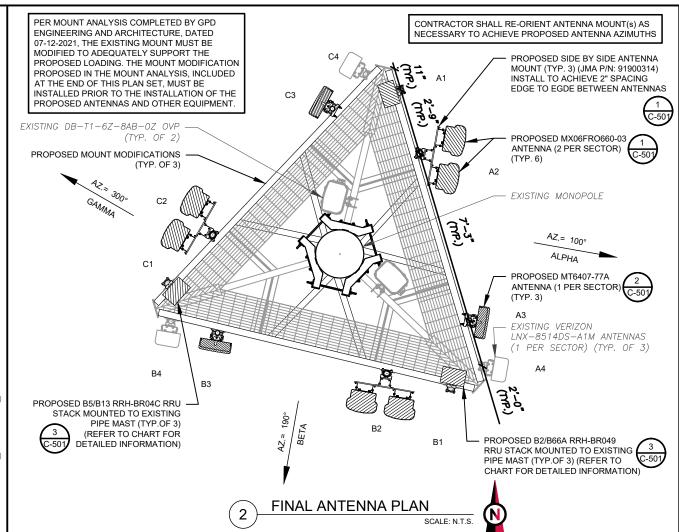
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REVISION:

C-201

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	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	
			A1	HBXX-6517DS-A2M	2100	0/4	RMV	UHBA B13 RRH 4x30	RMV	
AL DUA	177'	1000	A2	HBXX-6517DS-A2M	2100	0/4	RMV	_	_	1 2
ALPHA	137'	100°	A3	QUAD656C0000X	700	0/0	RMV	UHIC B4 RRH 2x60-4R	RMV	
			A4	LNX-8514DS-A1M	850 CDMA	0/2	RMN	-	_	
			B1	HBXX-6517DS-A2M	2100	0/4	RMV	UHBA B13 RRH 4x30	RMV	
DETA	4 7 7,	1000	B2	HBXX-6517DS-A2M	2100	0/4	RMV	_	_	_
BETA	137'	190°	B3	QUAD656C0000X	700	0/0	RMV	UHIC B4 RRH 2x60-4R	RMV	
			B4	LNX-8514DS-A1M	850 CDMA	0/2	RMN	_	_	
			C1	HBXX-6517DS-A2M	2100	0/2	RMV	UHBA B13 RRH 4x30	RMV	
0414144	4 7 7 7	7000	C2	HBXX-6517DS-A2M	2100	0/2	RMV	_	_	
GAMMA	137'	300°	C3	QUAD656C0000X	700	0/0	RMV	UHIC B4 RRH 2x60-4R	RMV	1
			C4	LNX-8514DS-A1M	850 CDMA	0/2	RMN	_	-	_
			'							1

l	NOTES
ļ	CONFIRM WITH VERIZON REP
l	FOR APPLICABLE UPDATES/REVISIONS AND
l	
ł	MOST RECENT RFDS FOR NSN
l	CONFIGURATION (CONFIG). GC
1	. 0 0, 11 7 122 0110 022 1 0111 01
ļ	2. CONFIRM SPACING OF
l	PROPOSED EQUIP DOES NOT
ł	CAUSE TOWER CONFLICTS
	NOR IMPEDE TOWER CLIMBING
l	PEGS.
ł	
l	

LOCATION

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'

SN	SECTOR	RAD	AZ	POS	ANTENNA	BAND	MECH/ELEC D-TILT	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS													
GC S.				A1	-	-	-	-	B2/B66A RRH-BR049 B5/B13 RRH-BR04C	ADD ADD													
т				A2L	MX06FRO660-03	700/850/1900/2100	0/2	ADD	-	-													
`	ALPHA	137'	100°	A2R	MX06FRO660-03	700/850/1900/2100	0/2	ADD	-	-													
ING																	А3	MT6407-77A W/CLIP ON RRH	5G	0/6	ADD	-	-
				A4	LNX-8514DS-A1M	850 CDMA	0/2	RMN	-	-													
	BETA				7' 190°			B1	-	-	-	-	B2/B66A RRH-BR049 B5/B13 RRH-BR04C	ADD ADD									
			190°	137' 190°		B2L	MX06FRO660-03	700/850/1900/2100	0/2	ADD	-	-											
		137'				' 190°	B2R	MX06FRO660-03	700/850/1900/2100	0/2	ADD	-	-										
							ВЗ	MT6407-77A W/CLIP ON RRH	5G	0/6	ADD	-	-										
					B4	LNX-8514DS-A1M	850 CDMA	0/2	RMN	-	-												
<u>RS</u>													C1	-	-	-	-	B2/B66A RRH-BR049 B5/B13 RRH-BR04C	ADD ADD				
				C2L	MX06FRO660-03	700/850/1900/2100	0/2	ADD	=	-													
	GAMMA	137'	300°	C2R	MX06FRO660-03	700/850/1900/2100	0/2	ADD	=	-													
				СЗ	MT6407-77A W/CLIP ON RRH	5G	0/6	ADD	-	-													
				C4	LNX-8514DS-A1M	850 CDMA	0/2	RMN	-	-													

FINAL ANTENNA SCHEDULE

ANTENNA SUMMARY

EXISTING FIBER DISTRIBUTION/OV	EXISTING CABLING SUMMARY			
MODEL NUMBER STATUS		COAX	HYBRID	STATUS
(2) DB-T1-6Z-8AB-0Z	RMN	(11) 1-5/8"	_	RMN
-	_	(1) 1-5/8"	(2) 1-1/4"	RMV

1		EQUIPMENT SCHEDULES
(٠	

FINAL FIBER DISTRIBUTION / OVE	FINAL CABLING SUMMARY			
MODEL NUMBER	STATUS	COAX	HYBRID	STATUS
(2) DB-T1-6Z-8AB-0Z	RMN	(11) 1-5/8"	-	RMN
-	-	-	-	-





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

REV.	DESCRIPTION	BY	DATE
<u> </u>	PRELIM	VS	08/24/21
<u> </u>	FINAL	TR_	09/16/21
<u> </u>	FINALS REVISED	DO	10/08/21
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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

THE P. HAMING

NON ANTENNA SUMMARY

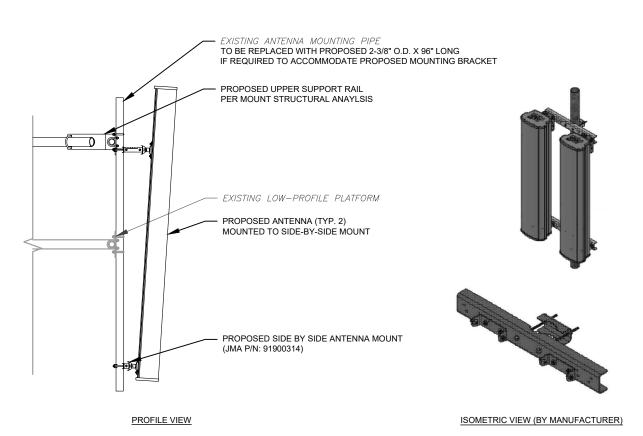


11/1/SONAL ENGINEER

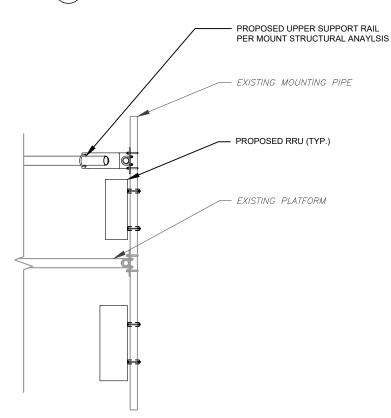
DATE DRAWN:	09/16/21
ATC JOB NO:	13714508_D1
CUSTOMER ID:	WOODSTOCK NW CT
CUSTOMER #:	467233

ANTENNA INFORMATION & SCHEDULE

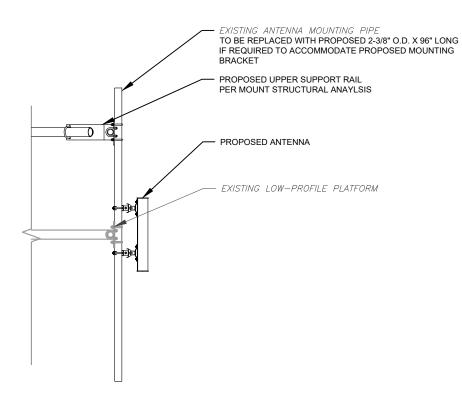
SHEET NUMBER:



PROPOSED SIDE-BY-SIDE MOUNT
SCALE: NOT TO SCALE



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



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
<u> </u>	PRELIM	VS	08/24/21
△	FINAL	TR_	09/16/21
<u> </u>	FINALS REVISED	DO_	10/08/21
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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

SEAL:





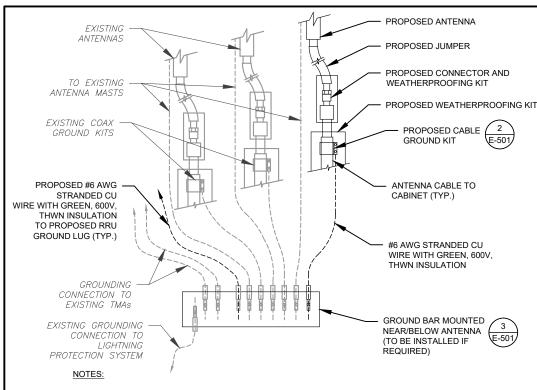
ı	DATE DRAWN:	09/16/21
	ATC JOB NO:	13714508_D1
	CUSTOMER ID:	WOODSTOCK NW CT
	CUSTOMER #:	467233

CONSTRUCTION DETAILS

SHEET NUMBER:

C-501

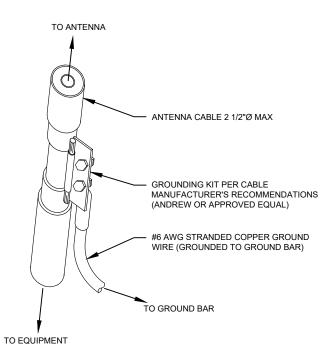
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- THIS DETAIL IS INTENDED TO SHOW THE GENERAL GROUNDING REQUIREMENTS. SLIGHT ADJUSTMENTS MAY BE REQUIRED BASED ON EXISTING SITE CONDITIONS. THE CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS AS NEEDED AND INFORM THE CONSTRUCTION MANAGER OF ANY CONFLICTS.
- 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.



SCALE: N.T.S

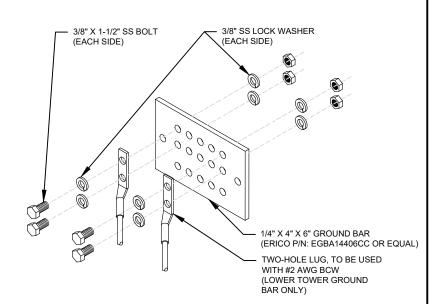


GROUND KIT NOTES:

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

CABLE GROUND KIT CONNECTION DETAIL

SCALE: N.T.S.



GROUND BAR NOTES:

- 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.







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

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 BY
 DATE

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 DO
 10/08/21

ATC SITE NUMBER: 415439

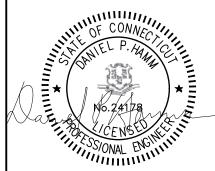
ATC SITE NAME:
WOODSTOCK NW PCS CT

VERIZON SITE NAME:

WOODSTOCK NW CT

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

SEAL





 DATE DRAWN:
 09/16/21

 ATC JOB NO:
 13714508_D1

 CUSTOMER ID:
 WOODSTOCK NW CT

 CUSTOMER #:
 467233

GROUNDING DETAILS

SHEET NUMBER:

E-501

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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 (856) 371-9457

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: Carrier Name:

Address:

Latitude:

Longitude:

WOODSTOCK NW CT Verizon Wireless

117 SHERMAN RD

Woodstock, Connecticut 06281 Windham County

41.978653° -72.094425°

Structure Information

Tower Type: Mount Type: 150-Ft Monopole 13.58-Ft Platform Mount

FUZE ID # 16272099

Analysis Results

Platform Mount: 44.6% Pass

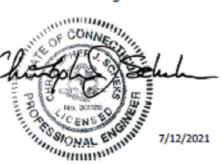
***Contractor PMI Requirements:

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



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

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

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%
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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:

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

SUPPLEMENTAL

SHEET NUMBER:

NOTE: THIS SHEET WAS CREATED BY OTHERS AND PROVIDED AT THE REQUEST OF THE CUSTOMER

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 (S₁): 0.055
SHORT PERIOD SPECTRAL RESPONSE ACCELERATION (S_S): 0,179

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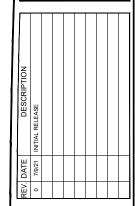


520 South Main Str Akron, OH 44: 330.572.2100 Fax 330.572.2





SMART TOOL PROJECT #: 1008



WOODSTOCK NW CT 117 SHERMAN RD WOODSTOCK, CT 06281

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

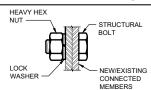
		.
ENGINEER	DESIGNER	П
MAH	MAH	
PROJECT MANAGER	APPROVED BY	ı
DP	CJS	

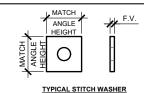
JOB NO. 2021740.467233.01

T-01

MODIFICATION INSPECTION CHECKLIST REQUIRED PRE-CONSTRUCTION ANY RECEIPT OF PURCHASE FOR THE MODIFICATION MATERIAL IS PACKING SLIPS ACCEPTABLE. ALL PRE-ENGINEERED KITS, PARTS, AND/OR ASSEMBLIES PURCHASED FROM CERTIFICATE OF CONFORMANCE REPUTABLE SUPPLIERS SHALL HAVE A SITE SPECIFIC CERTIFICATE OF CONFORMANCE PROVIDED TO CONFIRM ACCEPTABILITY. ALL HARDWARE NOT SPECIFICALLY PROVIDED AS A PRE-ENGINEERED KIT. ORDERED OR FABRICATED PART, AND/OR ASSEMBLY SHALL REQUIRE MTR'S TO VERIFY ACCEPTABILITY PHOTOS OF ALL SECTORS (WHERE APPLICABLE) PRIOR TO MODIFICATIONS EXISTING MOUNT(S HARDWARE PRIOR TO INSTALLATION PHOTOS OF ALL HARDWARE BEFORE BEING INSTALLED ON THE MOUNT(S), NDT - ALL FULL PENETRATION OR WELDS > 5/16" AWS STAMPED REPORT REQUIRED, WELDING REQUIREMENTS NOT FABRICATOR CERTIFIED WELD APPLICABLE FOR PRE-ENGINEERED KITS, PARTS OR ASSEMBLIES FROM INSPECTION REPUTABLE SUPPLIERS. WELDER'S CERTIFICATIONS ON SITE COLD GALVANIZING ANY DAMAGE TO THE TOWER SHALL BE REPAIRED IN ACCORDANCE WITH VERIFICATION (IF APPLICABLE, SEE STRUCTURAL STEEL NOTE #2. STRUCTURAL STEEL NOTE #2) ALL DEVIATIONS TO THE DRAWINGS THAT WERE FOUND MUST BE CLEARLY GC AS-BUILT DRAWINGS MARKED AND APPROVED BY THE EOR. NEW MEMBERS SHALL BE VERIFIED WITH A TAPE MEASURE, CALIPERS, THICKNESS GAUGE, OR OTHER STANDARD INDUSTRY EQUIPMENT. MEMBER SIZES BOLT SIZE (VIA CALIPERS), FIT-UP, LOCKING MECHANISMS, AND TIGHTNESS CONNECTION HARDWARE SHALL ALL BE VERIFIED AND DOCUMENTED. ALL DIMENSIONS SPECIFICALLY CALLED OUT IN THE DRAWING PACKAGE SHALL BE VERIFIED WITH A TAPE MEASURE. THIS INCLUDES MEMBER CRITICAL DIMENSIONS LENGTHS, HORIZONTAL AND/OR VERTICAL OFFSETS, SPACING REQUIREMENTS, ETC. THE COMPLETE MODIFIED CONDITION SHALL BE INSPECTED TO ENSURE FULL CONFORMANCE WITH THE DESIGN DRAWINGS. FINAL INSTALLED CONFIGURATION

BOLTING DETAILS





TYPICAL	BOLT	ASSEMBLY	

1-1/8 1-1/8x1-5/16

	BOI	LT SCHED	ULE			W	ORKA	BLE	GAGI	ES	
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
DIAIVIETER	HOLE		DISTANCE	SPACING	G	2-1/2	2	1-3/4	1-3/8	1-1/8	1 1
1/2	9/16	9/16x11/16	7/8	1-1/2		2-1/2		1-0/4	1-0/0	1-1/0	'
5/8	11/16	11/16x7/8	1-1/8	1-7/8	4	- Junuary		-DIME	ENSIONS	GIVEN IN	
3/4	13/16	13/16x1	1-1/4	2-1/4	្នា			INCH	IES		
7/8	15/16	15/16v1-1/8	1-1/2	2-5/8	1 🔺	- П		MAAT	CH EVICT	INC WHE	NI.

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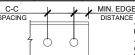
(2)

OF CONNECTION

Nr. 30026

7/9/21

SOWAL ENGINEE



1.5xL

MAX.

-DIMENSIONS GIVEN IN INCHES

DO NOT COPE

ANGLE

BEYOND THIS LINE

-SHORT SLOT HOLES SHALI ONLY BE USED WHEN DEPICTED ON THE PLANS ALLOWABLE ANGLE COPE

BOLT HOLE

1-3/4

THE DIMENSIONS PROVIDED ARE MINIMUM REQUIREMENTS ACTUAL DIMENSIONS OF PROPOSED MEMBERS WITHIN THESE DRAWINGS MAY VARY FROM THE AISC MINIMUM DECLUDEMENTS REQUIREMENTS AS AN ALTERNATIVE TO USING A LOCK WASHER PAL-NUTS CAN BE INSTALLED ABOVE THE HEX NUT. ALL BOLTS MUST HAVE LOCKING DEVICES INSTALLED AS PART OF THE ASSEMBLY.

ENGINEER IF DISTANCES ARE LESS THAN THOSE

ALL DIMENSIONS REPRESENTED IN THESE TABLES ARE AISC MINIMUM REQUIREMENTS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY

APPLICABLE

ADDITIONAL HARDENED FLAT WASHERS MAY BE REQUIRED IN CASES WHERE OVERSIZED OR SLOTTED HOLES ARE PRESENT. EXISTING CONDITIONS SHALL BE APPROVED BY THE EOR.

PROVIDED.

GENERAL NOTES

- THIS DESIGN IS IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF TIA/EIA-222, AWS, ANSI TIA-322, AND AISC. MATERIALS, FABRICATION, INSTALLATION, AND ALL OTHER SERVICES PROVIDED BY THE CONTRACTOR SHALL CONFORM TO THE ABOVE MENTIONED CODES AND THE CONTRACT SPECIFICATIONS.
- THIS DESIGN ASSUMES THE TOWER AND MOUNTS HAVE BEEN WELL MAINTAINED, ARE IN GOOD CONDITION, AND ARE WITHOUT DEFECT. BENT MEMBERS, CORRODED MEMBERS, LOOSE BOLTS, CRACKED WELDS AND OTHER MEMBER DEFECTS HAVE NOT BEEN CONSIDERED. THE TOWER IS ASSUMED TO BE PLUMB AND THE SITE IS ASSUMED TO BE LEVEL. THIS DESIGN IS BEING PROVIDED WITHOUT THE BENEFIT OF A CONDITION ASSESSMENT BY GPD.
- THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING: ANY PROBLEMS WITH ACCESS, INTERFERENCE, ETC. SHALL BE RESOLVED PRIOR TO MOBILIZATION. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND NOTE ANY EXISTING CONDITIONS THAT ARE NOT REPRESENTED ON THESE DRAWINGS OR THAT INTERFERE WITH THE CONTINUOUS INSTALLATION OF THE MODIFICATIONS. CONTRACTOR SHALL NOTE ALL ATTACHMENT POINTS, ANTENNAS, MOUNTS, COAX, LIGHTING, CLIMBING SUPPORTS, STEP BOLTS, PORT HOLES, AND ANY OTHER APPURTENANCES IN THE REGION OF THE MODIFICATIONS. GPD SHALL BE CONTACTED IMMEDIATELY TO EVALUATE THE SIGNIFICANCE OF ANY DEVIATION PRIOR TO ORDERING MATERIAL.
- ALL MATERIAL SPECIFIED FOR THIS PROJECT MUST BE NEW AND FREE OF ANY DEFECTS. ANY MATERIAL SUBSTITUTIONS, INCLUDING BUT NOT LIMITED TO ALTERED SIZES AND/OR STRENGTHS, MUST BE APPROVED BY THE OWNER AND ENGINEER IN WRITING. CONTRACTOR SHALL PROVIDE DOCUMENTATION TO ENGINEER FOR DETERMINING IF SUBSTITUTE IS SUITABLE FOR USE AND MEETS THE ORIGINAL DESIGN CRITERIA. DIFFERENCES FROM THE ORIGINAL DESIGN, INCLUDING MAINTENANCE, REPAIR AND REPLACEMENT, SHALL BE NOTED. ESTIMATES OF COSTS/CREDITS ASSOCIATED WITH THE SUBSTITUTION (INCLUDING RE-DESIGN COSTS AND COSTS TO SUB-CONTRACTORS) SHALL BE PROVIDED TO THE ENGINEER.
- CONTRACTOR IS RESPONSIBLE FOR ENGAGING A MODIFICATION INSPECTOR AT THE TIME OF AWARD TO COORDINATE AN INSPECTION SCHEDULE AND ENSURE PROPER DOCUMENTATION IS RETAINED THROUGHOUT THE PROJECT. REFER TO THE MODIFICATION INSPECTION TABLES ON THIS SHEET.
- INSTALLATION OF THE PROPOSED LOADING IS BY OTHERS AND IS BEYOND THE SCOPE OF THESE DRAWINGS.
- ALL CONTRACTORS AND LOWER TIER CONTRACTORS MUST ACKNOWLEDGE IN WRITING TO TOWER OWNER AND GPD THAT THEY HAVE OBTAINED, UNDERSTAND, AND WILL FOLLOW TOWER OWNER STANDARDS OF PRACTICE, CONSTRUCTION GUIDELINES, ALL SITE AND TOWER SAFETY PROCEDURES, ALL PRODUCT LIMITATIONS AND INSTALLATION PROCEDURES USED ON SITE, AND PROPOSED MODIFICATIONS DESCRIBED, RECEIPT OF ACKNOWLEDGMENT MUST OCCUR PRIOR TO BEGINNING CONSTRUCTION OR CLIMBING. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROVIDE THIS DOCUMENTATION FOR TOWER OWNER AND GPD ON COMPANY LETTERHEAD AND THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO DESCRIBED RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROVIDE THE SUBCONTRACTORS (ON SUBCONTRACTOR TO DETAIN THIS DOCUMENTATION FROM LOWER TIER SUBCONTRACTORS (ON SUBCONTRACTOR LETTERHEAD) AND DELIVER IT TO TOWER OWNER AND GPD
- IT IS ASSUMED THAT ANY STRUCTURAL MODIFICATION WORK SPECIFIED ON THESE PLANS WILL BE ACCOMPLISHED BY KNOWLEDGEABLE WORKMEN WITH TOWER CONSTRUCTION EXPERIENCE. THIS INCLUDES PROVIDING THE NECESSARY CERTIFICATIONS TO THE TOWER OWNER AND ENGINEER.
- THESE DRAWINGS DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS, MEANS, TECHNIQUES, SEQUENCES, AND PROCEDURES.
- 10. THE CONTRACTOR AND ALL SUB-CONTRACTORS SHALL BE RESPONSIBLE FOR THE SAFETY OF THEIR WORK FORCE, THE WORK AREA, ADJACENT AREA, AND ANY PROPERTY OCCUPANTS WHO MAY BE AFFECTED BY THE WORK UNDER CONTRACT. THE CONTRACTOR SHALL REVIEW AND ABIDE BY ALL LANDOWNER, PRIME CONTRACTOR, CARRIER, OSHA, AND LOCAL SAFETY GUIDELINES. ALL TOWER WORKERS SHALL UTILIZE APPROPRIATE FALL PROTECTION AND SAFETY EQUIPMENT THAT IS UP-TO-DATE AND INSPECTED PER OSHA AND INDUSTRY GUIDELINES. ALL WORKERS SHALL BE TRAINED AND MONITORED TO ENSURE SAFE WORKING PRACTICES ARE MAINTAINED.
- CONTRACTOR IS RESPONSIBLE FOR TEMPORARILY REMOVING ALL COAX, T-BRACKETS, ANTENNA MOUNTS, AND ANY OTHER APPURTENANCE THAT MAY INTERFERE WITH THE TOWER MODIFICATIONS. ALL TOWER APPURTENANCES MUST BE REPLACED AND/OR RESTORED TO ITS ORIGINAL LOCATION. SOME ATTACHMENTS MAY REQUIRE CUSTOM MODIFICATIONS TO PROPERLY FIT THE MODIFIED REGION OF THE STRUCTURE. THESE CUSTOMIZATIONS ARE DESIGNED BY OTHERS AND MUST BE APPROVED BY THE ENGINEER PRIOR TO REMOVING SUCH ATTACHMENTS. ANY CARRIER DOWNTIME MUST BE COORDINATED WITH THE TOWER OWNER IN WRITING.
- 12. CONTRACTOR SHALL ONLY WORK WITHIN THE LIMITS OF THE TOWER OWNER'S PROPERTY OR LEASE AREA AND APPROVED EASEMENTS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY WORK IS WITHIN THESE BOUNDARIES. CONTRACTOR SHALL EMPLOY A SURVEYOR AS REQUIRED. ANY WORK OUTSIDE THESE BOUNDARIES SHALL BE APPROVED IN WRITING BY THE LAND OWNER PRIOR TO MOBILIZATION. CONSTRUCTION STAKING AND BOUNDARY MARKING IS THE RESPONSIBILITY OF THE
- 13. THE STRUCTURAL INTEGRITY OF THIS DESIGN EXTENDS TO THE COMPLETE CONDITION ONLY. THE CONTRACTOR MUST BE COGNIZANT THAT THE REMOVAL OF ANY STRUCTURAL COMPONENT HAS THE POTENTIAL TO CAUSE THE PARTIAL OR COMPLETE COLLAPSE OF THE STRUCTURE. ALL NECESSARY PRECAUTIONS MUST BE TAKEN TO ENSURE THE STRUCTURAL INTEGRITY, INCLUDING, BUT NOT LIMITED TO, ENGINEERING ASSESSMENT OF CONSTRUCTION STRESSES WITH INSTALLATION MAXIMUM WIND SPEED AND/OR TEMPORARY BRACING AND SHORING.
- 14. WORK SHALL ONLY BE PERFORMED DURING CALM DRY DAYS (WINDS LESS THAN 10-MPH). ALL TEMPORARY BRACING AND TEMPORARY SUPPORTS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- 15. VERIFY IF THIS STRUCTURE IS AN FM TOWER AND TAKE NECESSARY ACTIONS TO PROVIDE SAFE WORKING CONDITIONS INCLUDING, BUT NOT LIMITED TO, HAVING FM SIGNAL TURNED OFF. CONTRACTOR SHALL HAVE PROPER RADMAN FOR NOTIFICATION OF EXCESSIVE RF EXPOSURE FOR ALL INDIVIDUALS WORKING ON SITE IF FM ANTENNAS ARE PRESENT
- 16. ALL MANUFACTURERS HARDWARE AND ASSEMBLY INSTRUCTIONS SHALL BE FOLLOWED EXACTLY. DEVIATION FROM THE INSTRUCTIONS IS UNACCEPTABLE AND REQUIRES WRITTEN APPROVAL FROM ENGINEER.
- 17. DO NOT SCALE DRAWINGS.
- 18. THE CLIMBING FACILITIES, SAFETY CLIMB AND ALL ASSOCIATED HARDWARE SHALL NOT BE IMPEDED OR MODIFIED WITHOUT THE WRITTEN CONSENT OF GPD.
- 19. INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB OR ANY SYSTEM INSTALLED ON THE STRUCTURE.

STRUCTURAL STEEL NOTES

- ALL NEW STEEL SHALL BE HOT-DIPPED GALVANIZED PER ASTM A123, ASTM A153/A153M, OR ASTM A653 G90, AS APPLICABLE FOR FULL WEATHER PROTECTION. FOR HIGH STRENGTH STEEL FASTENERS WHERE HOT-DIPPED GALVANIZING IS NOT PERMITTED MAGNI 565 COATING (OR ENGINEER APPROVED EQUIVALENT) SHALL BE USED. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING TOWER STEEL. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER
- ALL EXPOSED STRUCTURAL STEEL AS THE RESULT OF THIS SCOPE OF WORK INCLUDING, BUT NOT LIMITED TO, DAMAGED MEMBERS, FIELD WELDS, FIELD CUT MEMBERS, FIELD DRILLED HOLES, AND SHAFT INTERIORS (WHERE APPLICABLE), SHALL BE SOLVENT CLEANED AND HAVE TWO (2) COATS OF BRUSHED ON ZRC ZINC RICH COLD GALVANIZING PAINT APPLIED AND SHALL BE PAINTED TO MATCH THE TOWER FINISH (WHERE APPLICABLE). PHOTO DOCUMENTATION IS REQUIRED TO BE SUBMITTED TO THE MODIFICATION INSPECTOR.
- ALL STRUCTURAL STEEL SHALL CONFORM TO THE LISTED REQUIREMENTS U.N.O. IN THESE DRAWINGS:

• STEEL ANGLE:
• PIPE (ROUND):
• BOLTS:
• THREADED RODS:
• U-BOLTS:
• NUTS: ASTM A36 (Fy=36 KSI) ASTM A53 GRADE B (Fy=35 KSI) ASTM A325 TYPE 1 ASTM A307 GRADE A ASTM A363 GRADE A ASTM A563 GRADE DH WASHERS (AS REQUIRED):
 LOCKING DEVICES: ASTM F436 TYPE 1 PAL-NUT OR SPLIT WASHER

- ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES TO BE INSTALLED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF TIA/EIA-222 REQUIREMENTS.
- ALL BOLTS, INCLUDING U-BOLTS, SHALL BE TIGHTENED IN ACCORDANCE WITH AISC "SNUG TIGHT" REQUIREMENTS, U.N.O.
- ALL U-BOLTS SPECIFIED SHALL MEET THE REQUIREMENTS OF ASME B18.31.5-2011 BENT BOLTS.
- STRUCTURAL STEEL SHOP DRAWINGS SHALL BE PROVIDED TO ENGINEER FOR APPROVAL PRIOR TO FARRICATION
- UNLESS NOTED OTHERWISE, ALL NEW MEMBERS SHALL MAINTAIN THE EXISTING MEMBER WORK LINES AND NOT INTRODUCE ECCENTRICITIES INTO THE STRUCTURE.
- WELDING OF ANY KIND IS NOT PERMITTED ON SITE UNLESS SPECIFIED WITHIN THESE DRAWINGS. OXY FUEL GAS WELDING OR BRAZING IS STRICTLY PROHIBITED. SPECIFICALLY, NO TORCH CUTTING OR OPEN FLAME IS PERMITTED ON SITE. ALL HOLES SHALL BE CUT WITH A GRINDER.
- 10. FOR ALL SHOP WELDING, USE E70XX ELECTRODES FOR SMAW PROCESS AND E7XT-XX ELECTRODES FOR FCAW PROCESS, UNO.

MODIFICATION INSPECTION NOTES

- THE MI IS AN ON-SITE AND HANDS-ON INSPECTION OF THE MODIFICATIONS INCLUDING A REVIEW OF CONSTRUCTION REPORTS AND ADDITIONAL PERTINENT DOCUMENTATION PROVIDED BY THE GENERAL CONTRACTOR (GC), AS WELL AS AND INSPECTION DOCUMENTS PROVIDED BY 3RD PARTY INSPECTORS. THE MI IS TO ENSURE THE INSTALLATION WAS CONSTRUCTED IN ACCORDANCE WITH THE MODIFICATION DRAWINGS; IN ACCORDANCE WITH ALL APPLICABLE INDUSTRY STANDARDS; AND AS RECONSTRUCTED BY THE FROME FOR PECADOR (FOR DRAWINGS). DESIGNED BY THE ENGINEER OF RECORD (EOR).
- NO DOCUMENT, CODE, OR POLICY CAN ANTICIPATE EVERY SITUATION THAT MAY ARISE. ACCORDINGLY, THE CHECKLIST IS INTENDED TO SERVE AS A SOURCE OF GUIDING PRINCIPLES IN ESTABLISHING GUIDELINES FOR THE MODIFICATION INSPECTION.
- THE MI IS TO CONFIRM INSTALLATION CONFIGURATION AND WORKMANSHIP ONLY AND IS NOT A REVIEW OF THE MODIFICATION DESIGN ITSELF. AND THE MI INSPECTOR DOES NOT TAKE OWNERSHIP OF THE DESIGN. THE MI INSPECTOR SHALL INSPECT AN NOTE CONFORMANCE/NON-CONFORMANCE AND PROVIDE TO THE TOWER/STRUCTURE OWNER AND EOR FOR EVALUATION.
- TO ENSURE THAT THE REQUIREMENTS OF THE MODIFICATION INSPECTION ARE MET. IT IS VITAL THAT THE GENERAL CONTRACTOR (GC) AND THE MI INSPECTOR BEGIN COMMUNICATING AND COORDINATING AS SOON AS A PO OR PAYMENT IS RECEIVED. IT IS EXPECTED THAT EACH PARTY WILL BE PROACTIVE IN REACHING OUT TO THE OTHER PARTY. CONTACT LISTED ON THE TITLE SHEET SHALL BE CONTACTED IF SPECIFIC INSPECTOR CONTACT INFORMATION IS NOT KNOWN.

FAILING INSPECTION REQUIREMENTS

- IF THE MODIFICATION INSTALLATION WOULD FAIL THE MODIFICATION INSPECTION ("FAILED MODIFICATION INSPECTION"), THE GC SHALL WORK WITH THE MI INSPECTOR TO COORDINATE A REMEDIATION PLAN IN ONE OF TWO WAYS:
 - CORRECT FAILING ISSUES TO COMPLY WITH THE SPECIFICATIONS CONTAINED IN THE ORIGINAL MODIFICATION DRAWINGS AND COORDINATE A SUPPLEMENT MODIFICATION INSPECTION.
 - OR, WITH TOWER OWNER APPROVAL, THE GC MAY WORK WITH THE ENGINEER OF RECORD TO RE-ANALYZE THE MODIFICATION/REINFORCEMENT USING THE AS-BUILT CONDITION.

SERVICE LEVEL COMMITMENT

- THE FOLLOWING RECOMMENDATIONS AND SUGGESTIONS ARE OFFERED TO ENHANCE THE EFFICIENCY AND EFFECTIVENESS OF DELIVERING AN MI REPORT:
 - THE GC SHALL PROVIDE A MINIMUM OF 5 BUSINESS DAYS NOTICE, PREFERABLY 10, TO THE MI INSPECTOR AS TO WHEN THE SITE WILL E READY TO THE MI TO BE CONDUCTED.
 - THE GC AND MI INSPECTOR COORDINATE CLOSELY THROUGHOUT THE ENTIRE PROJECT.
 - WHEN POSSIBLE, IT IS PREFERRED TO HAVE THE GC AND MI INSPECTOR ON-SITE DURING THE MI TO HAVE ANY MINOR DEFICIENCIES CORRECTED DURING THE INITIAL MI. THEREFORE, THE GC MAY CHOOSE TO COORDINATE THE MI CAREFULLY TO ENSURE ALL CONSTRUCTION FACILITIES ARE AT THEIR DISPOSAL WHEN THE MI INSPECTOR IS ON SITE.

REQUIRED PHOTOS

- BETWEEN THE GC AND THE MI INSPECTOR THE FOLLOWING PHOTOGRAPHS, AT A MINIMUM, ARE TO BE TAKEN AND INCLUDED IN THE MI REPORT:
 - PRE-CONSTRUCTION GENERAL SITE CONDITION
 PHOTOGRAPHS DURING THE MODIFICATION CONSTRUCTION/ERECTION AND INSPECTION

 - PHOTOS OF ALL CRITICAL DETAILS
 - WELD PREPARATION
 - •• BOLT INSTALLATION
 - FINAL INSTALLED CONDITION • SURFACE COATING REPAIR
 - ANY OTHER PHOTOS DEEMED RELEVANT TO SHOW COMPLETE DETAILS OF THE MODIFICATIONS.
- 2. PHOTOS OF ELEVATED MODIFICATION TAKEN ONLY FROM THE GROUND SHALL BE CONSIDERED INADEQUATE.







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SSUED FOR 7/9/2021 PERMIT CONSTRUCTION RECORD

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U	ENGINEER	DESIGNER
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١	PROJECT MANAGER	APPROVED BY
١	DP	CJS

2021740.467233.01

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

VZWS	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 1			
CONTACT	PAULA BOSWELL			
PHONE	(972) 236-9843			
EMAIL	PAULA.BOSWELL@VALMONT.COM			
WEBSITE	WWW.SITEPRO1.COM			









DESCRIPTION	INITIAL RELEASE				
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WOODSTOCK NW CT 117 SHERMAN RD WOODSTOCK, CT 06281

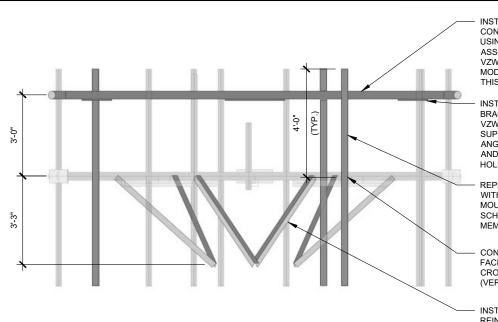
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BILL OF MATERIALS

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ľ	MAH	MAH
١	PROJECT MANAGER	APPROVED BY
١	DP	CJS

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



INSTALL A NEW SUPPORT RAIL CONNECTED TO MOUNT PIPES USING NEW CROSSOVER PLATE ASSEMBLIES (VERIZON P/N: VZWSMART-MSK1). SEE MODIFICATION SCHEDULE ON THIS SHEET FOR MEMBER SIZE

INSTALL A NEW SUPPORT RAIL BRACE KIT (VERIZON P/N: VZWSMART-PLK2) CONNECTED TO SUPPORT RAIL. FIELD TRIM ANGLES TO REQUIRED LENGTH AND DRILL NEW STANDARD SIZE HOLES FOR CONNECTION BOLTS.

REPLACE EXISTING MOUNT PIPE WITH NE LARGER DIAMETER
MOUNT PIPE. SEE MODIFICATION SCHEDULE ON THIS SHEET FOR MEMBER SIZE

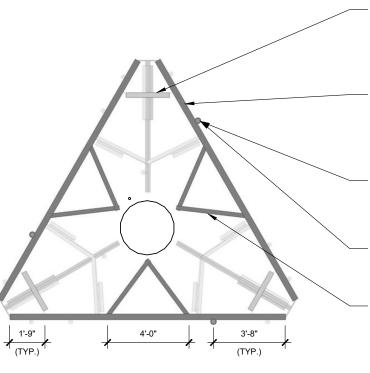
CONNECT NEW MOUNT PIPE TO FACE HORIZONTAL USING NEW CROSSOVER PLATE ASSEMBLIES (VERIZON P/N: VZWSMART-MSK2)

INSTALL A NEW V-STYLE REINFORCEMENT KIT (SITE PRO 1 P/N: PRK-SFS-L) CONNECTED TO TOWER LEG AND FACE HORIZONTAL. FIELD TRIM REINFORCEMENT ANGLES TO REQUIRED LENGTH AND DRILL NEW STANDARD SIZE HOLES FOR CONNECTION BOLTS



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.

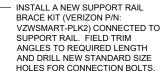


PLAN VIEW

NOTE:

1. ALL FIELD CUT ANGLES AND DRILLED

THE SOLVENT CLEANED HOLES SHALL BE SOLVENT CLEANED AND TOUCHED UP WITH TWO COATS OF BRUSH APPLIED ZRC ZINC RICH COLD GALVANIZING PAINT.

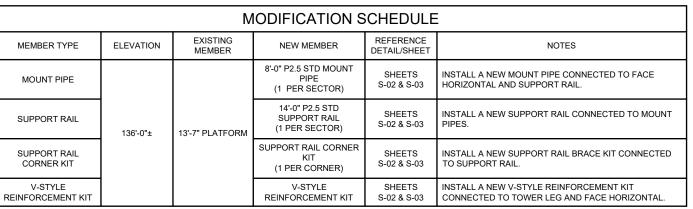


INSTALL A NEW SUPPORT RAIL CONNECTED TO MOUNT PIPES USING NEW CROSSOVER PLATE ASSEMBLIES (VERIZON P/N: VZWSMART-MSK1). SEE MODIFICATION SCHEDULE ON THIS SHEET FOR MEMBER SIZE

REPLACE EXISTING MOUNT PIPE WITH NE LARGER DIAMETER MOUNT PIPE. SEE MODIFICATION SCHEDULE ON THIS SHEET FOR MEMBER SIZE

CONNECT NEW MOUNT PIPE TO FACE HORIZONTAL USING NEW CROSSOVER PLATE ASSEMBLIES (VERIZON P/N: VZWSMART-MSK2)

INSTALL A NEW V-STYLE REINFORCEMENT KIT (SITE PRO 1 P/N: PRK-SFS-L) CONNECTED TO TOWER LEG AND FACE HORIZONTAL. FIELD TRIM REINFORCEMENT ANGLES TO REQUIRED LENGTH AND DRILL NEW STANDARD SIZE HOLES FOR CONNECTION BOLTS



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.

INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB OR ANY SYSTEM INSTALLED ON THE



INSTALL A NEW SUPPORT RAIL BRACE KIT (VERIZON P/N: VZWSMART-PLK2) CONNECTED TO SUPPORT RAIL. FIELD TRIM ANGLES TO REQUIRED LENGTH AND DRILL NEW STANDARD SIZE HOLES FOR CONNECTION BOLTS.

INSTALL A NEW SUPPORT RAIL CONNECTED TO MOUNT PIPES USING NEW CROSSOVER PLATE ASSEMBLIES (VERIZON P/N: VZWSMART-MSK1). SEE MODIFICATION SCHEDULE ON THIS SHEET FOR MEMBER SIZE

REPLACE EXISTING MOUNT PIPE WITH NE LARGER DIAMETER MOUNT PIPE, SEE MODIFICATION SCHEDULE ON THIS SHEET FOR MEMBER SIZE

CONNECT NEW MOUNT PIPE TO FACE HORIZONTAL USING NEW CROSSOVER PLATE ASSEMBLIES (VERIZON P/N: VZWSMART-MSK2)

INSTALL A NEW V-STYLE REINFORCEMENT KIT (SITE PRO 1 P/N: PRK-SFS-L) CONNECTED TO TOWER LEG AND FACE HORIZONTAL. FIELD TRIM REINFORCEMENT ANGLES TO REQUIRED LENGTH AND DRILL NEW STANDARD SIZE HOLES FOR CONNECTION BOLTS.



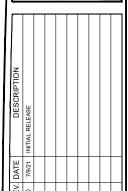
NOTE:
1. ALL FIELD CUT ANGLES AND DRILLED HOLES SHALL BE SOLVENT CLEANED AND TOUCHED UP WITH TWO COATS OF BRUSH APPLIED ZRC ZINC RICH COLD GALVANIZING PAINT.







SMART TOOL PROJECT #: 10084



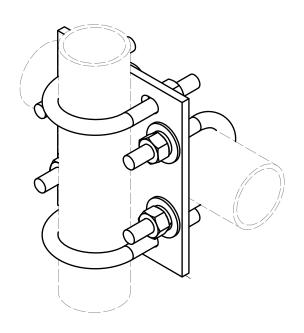
MODIFICATION SCHEDULE & DETAILS WOODSTOCK NW CT 117 SHERMAN RD WOODSTOCK, CT 06281

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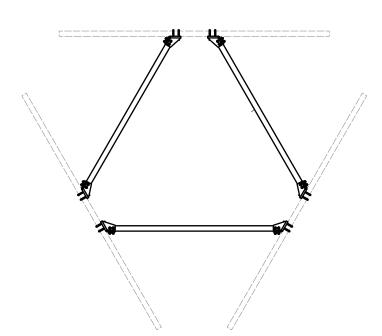
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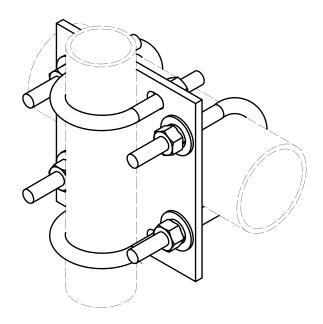
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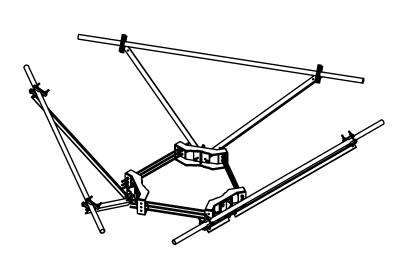
4 VZWSMART-MSK1 CROSSOVER PLATE ASSEMBLIES



6 VZWSMART-PLK2 SUPPORT RAIL BRACE KIT



5 VZWSMART-MSK2 CROSSOVER PLATE ASSEMBLIES



7 PRK-SFS-L V-STYLE REINFORCEMENT KIT



520 South Main Street Akron, OH 44311 330.572.2100 Fax 330.572.2102

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DESIGN DRAWINGS PREPARED FOR:

Verizon SMART TOOL PROJECT #: 10084238

REV. DATE DESCRIPTION

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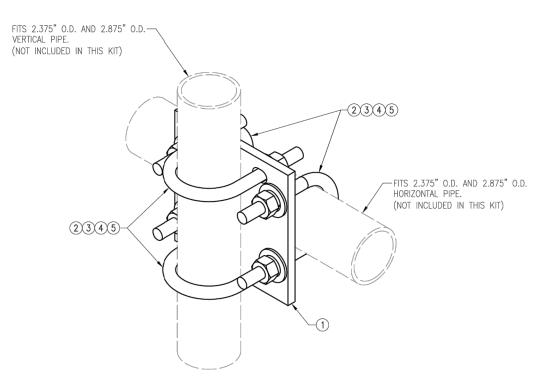
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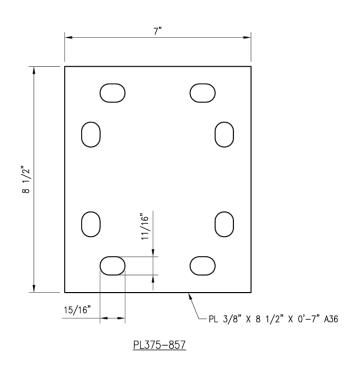
DETAILS/PARTS

ENGINEER	DESIGNER
МАН	МАН
PROJECT MANAGER	APPROVED BY
DP	CJS

JOB NO. 2021740.467233.01

REFERENCE ONLY





	VZWSMART-MSK1 (CROSSOVER PLATE)						
	VZWSMAKI-MSKI (CROSSOVEK FLAIE)						
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						

VzW SMART Tool[©] Vendor

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VZWSMART-MSK1 CROSSOVER PLATE

SHEET NUMBER:

VZWSMART-MSK1

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WOODSTOCK NW CT SITE #: 467233 DESIGN DRAWINGS

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SMART TOOL PROJECT #: 100842

NEW, DATE DESCRIPTION

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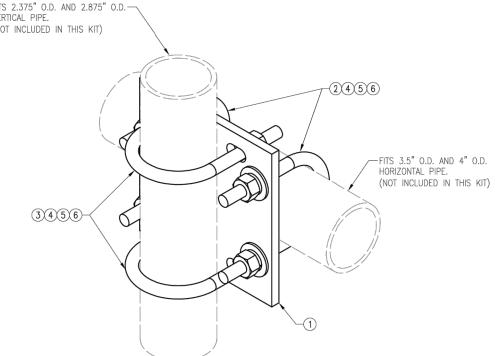
WOODSTOCK NW CT 117 SHERMAN RD WOODSTOCK, CT 06281 DETAILS/PARTS

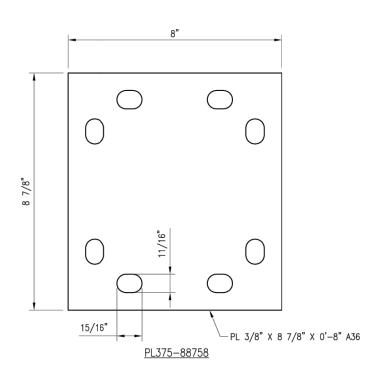
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١	PROJECT MANAGER	APPROVED BY	
١	DP	CJS	

JOB NO. 2021740.467233.01

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





	VZWSMART-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	

VzW SMART Tool® Vendor

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DRAWN BY: H.R

VZWSMART-MSK2 CROSSOVER PLATE

VZWSMART-MSK2

WOODSTOCK NW CT 117 SHERMAN RD WOODSTOCK, CT 06281

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DETAILS/PARTS

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П	PROJECT MANAGER	APPROVED BY	
١	DP	CJS	

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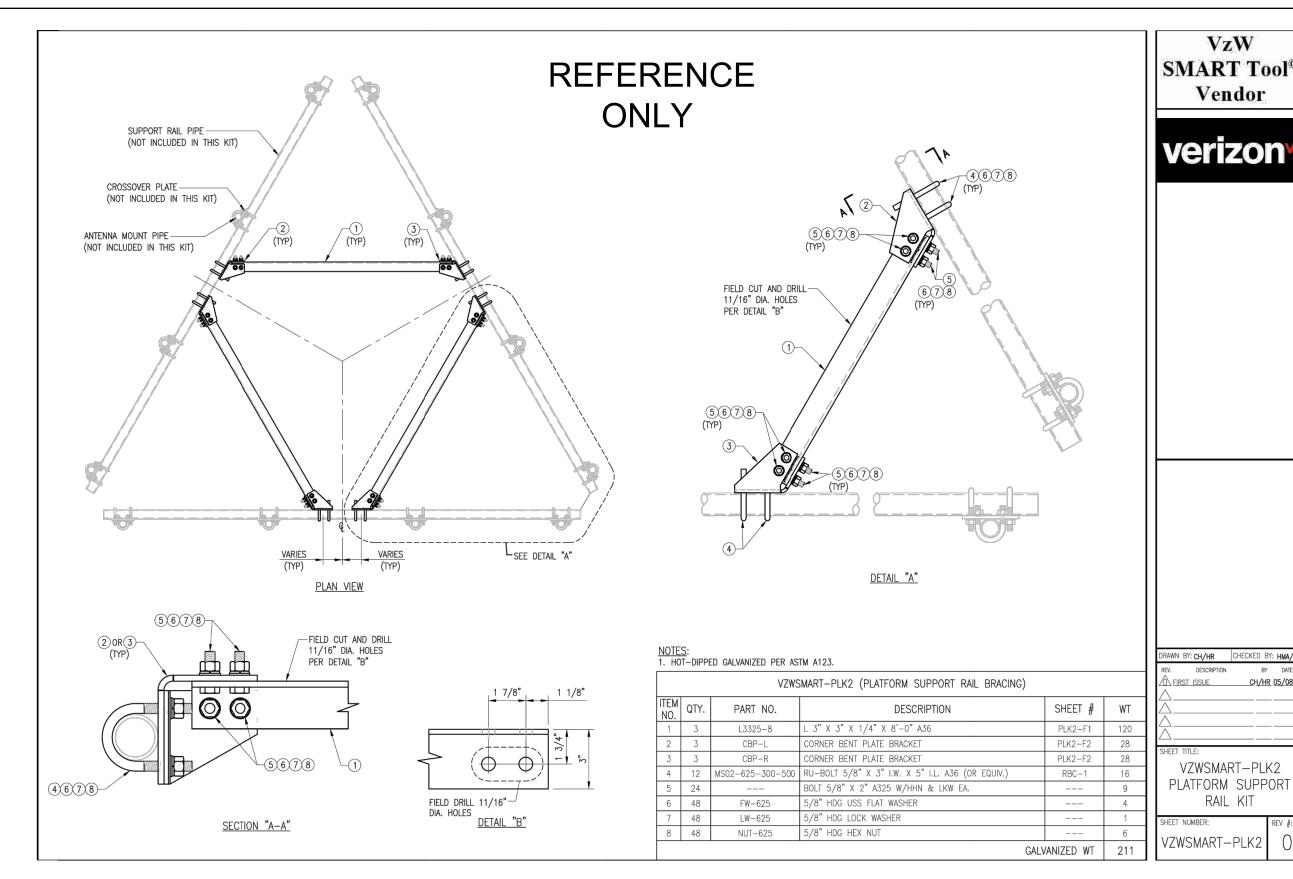
SMART TOOL PROJECT #: 100842

REFERENCE ONLY

FITS 2.375" O.D. AND 2.875" O.D. — VERTICAL PIPE. (NOT INCLUDED IN THIS KIT)

NOTES:

1. HOT-DIPPED GALVANIZED PER ASTM A123.



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SMART TOOL PROJECT #: 10084

WOODSTOCK NW CT 117 SHERMAN RD WOODSTOCK, CT 06281

RAWN BY: CH/HR CHECKED BY: HMA/KW

VZWSMART-PLK2

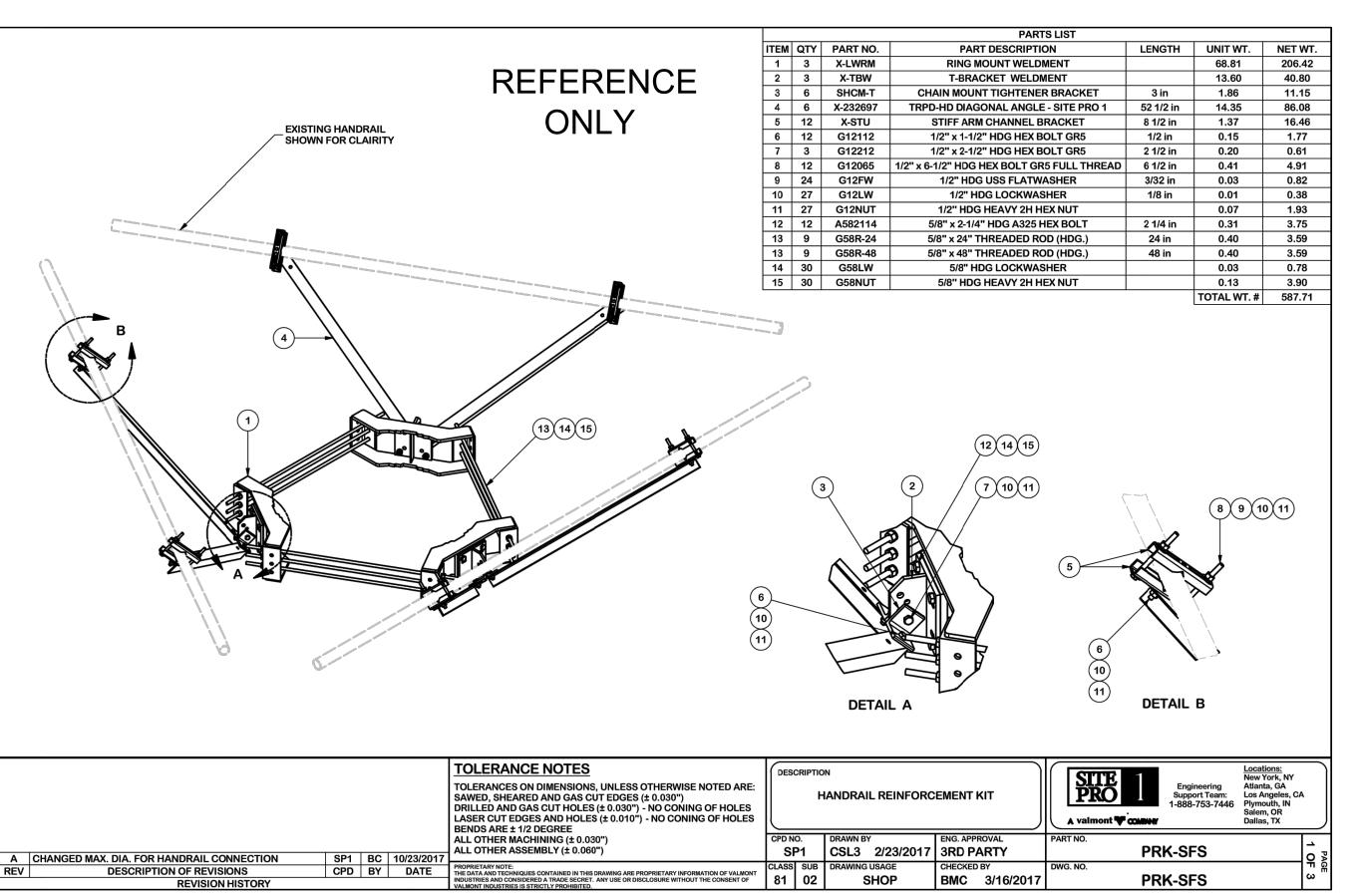
RAIL KIT

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RECORD	-

DETAILS/PARTS

ENGINEER	DESIGNER
МАН	МАН
PROJECT MANAGER	APPROVED BY
DP	CJS

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520 South Main S Akron, OH 44 330.572.2100 Fax 330.572.2



WOODSTOCK NW CT SITE #: 467233 DESIGN DRAWINGS PREPARED FOR:



DESCRIPTION	INITIAL RELEASE				
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WOODSTOCK NW CT 117 SHERMAN RD WOODSTOCK, CT 06281

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DETAILS/PARTS

١.			
П	ENGINEER	DESIGNER	
V	MAH	МАН	
Т	PROJECT MANAGER	APPROVED BY	
١	DP	CJS	

JOB NO. 2021740.467233.01





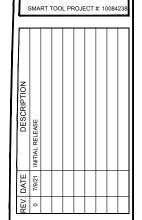






ngineering and Architecture ofessional Corporation 520 South Main Street Alron, OH 44311 330.572.2100 Fax 330.572.2102





WOODSTOCK NW CT 117 SHERMAN RD WOODSTOCK, CT 06281 MOUNT PHOTOS

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	ISSUED FOR:	
	PERMIT	7/9/2021
ľ	BID	-
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ſ	ENGINEER	DESIGNER	
١	MAH	MAH	
	PROJECT MANAGER	APPROVED BY	
	DP	CJS	

JOB NO. 2021740.467233.01