



REVIEWED FOR
CODE COMPLIANCE
(IBC 107.3.1)



By AMiddleton at 11:25:35 AM, 11/5/2025

Zoning - Peyton McClure - Approved - 2/27/2026
StructuralRev - Flory Roa - Approved - 3/11/2026



10300 OLD ALABAMA ROAD CONNECTOR
ALPHARETTA, GA 30022

BROOKSTONE

SBA SITE ID: GA01082-B
MDG LOCATION ID: 5000091797
FUZE PROJECT ID: 17504152
PROJECT SCOPE: FD-MIMO

SITE ADDRESS

1345 MARS HILL ROAD
KENNESAW, GA 30152
COBB COUNTY
LATITUDE: 33° 59' 11.11" N
LONGITUDE: 84° 43' 07.77" W



3/10/2026



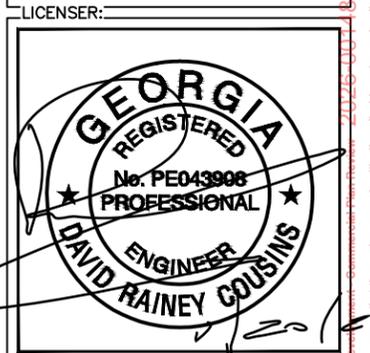
PROJECT INFORMATION:
VERIZON NAME:
BROOKSTONE
MDG LOCATION ID: 5000091797
SBA SITE ID: GA01082-B
1345 MARS HILL ROAD
KENNESAW, GA 30152
COBB COUNTY

PLANS PREPARED BY:
Kimley»Horn
1920 WEKIVA WAY
WEST PALM BEACH, FL 33411
PHONE: (561) 845-0665
WWW.KIMLEY-HORN.COM



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0	10/30/25	CONSTRUCTION	JJB
A	10/13/25	PRELIMINARY	JJB



KHA PROJECT NUMBER:
241149015
DRAWN BY: JJB CHECKED BY: SM

SHEET TITLE:
COVER SHEET

SHEET NUMBER:
T1

NOTICE TO CONTRACTOR:
MOUNT MODIFICATIONS ARE REQUIRED PRIOR TO WORK BEING COMPLETED. REFER TO MOUNT MODIFICATION DRAWINGS BY OTHERS. REFER TO MOUNT MODIFICATION DRAWINGS, ATTACHED TO CONSTRUCTION DRAWINGS FOR REFERENCE. ADDITIONALLY, CONTRACTOR TO REVIEW PASSING MA AND ENSURE ALL PMI REQUIREMENTS HAVE BEEN SATISFIED.

SCOPE OF WORK
VERIZON WIRELESS WILL REMOVE (3) ANTENNAS FROM EXISTING (150') TALL CELL TOWER OWNED BY SBA INFRASTRUCTURES, LLC. VERIZON WILL INSTALL (3) ANTENNAS. THE FINAL CONFIGURATION WILL BE (9) ANTENNAS, (2) HYBRID CABLES, (6) COAX AND (1) OVP.



DRIVING DIRECTIONS

TOWER OWNER
SBA COMMUNICATIONS
8051 CONGRESS AVENUE
BOCA RATON, FL 33487

DEVELOPER
VERIZON WIRELESS
10300 OLD ALABAMA ROAD CONN.
ALPHARETTA, GA 30022
PHONE: (678) 277-3612
ATTN.: MATTHEW HARTLEY

CONSULTANT
KIMLEY-HORN AND ASSOCIATES, INC.
11720 AMBER PARK DRIVE, SUITE 600
ALPHARETTA, GA 30009
PHONE: (678) 274-5032
ATTN.: DAVID COUSINS, P.E.

CONTACTS

SHEET NO.	SHEET TITLE
T1	COVER SHEET
N1	GENERAL NOTES
C1	OVERALL SITE PLAN
C2	SITE PLAN
C3	TOWER ELEVATION
C4	RFDS
C5	SCOPE OF WORK SUMMARY
-	MOUNT MODIFICATION SPECS BY OTHERS

SHEET INDEX

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1.00 GENERAL NOTES

- 1.01 ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE DRAWINGS AND SPECIFICATIONS. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE, LOCAL AND NATIONAL CODES, ORDINANCES AND OR REGULATIONS APPLICABLE TO THIS PROJECT.
- 1.02 THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND SHALL CHECK ALL DIMENSIONS. ALL DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE PROJECT MANAGER AND/OR ENGINEER AND BE RESOLVED BEFORE PROCEEDING WITH WORK. WHERE THERE IS A CONFLICT BETWEEN DRAWING AND VERIZON SPECIFICATIONS, THE VERIZON PROJECT ENGINEER SHOULD BE CONTACTED FOR CLARIFICATION.
- 1.03 ALL INFORMATION SHOWN ON THE DRAWINGS RELATIVE TO EXISTING CONDITIONS IS GIVEN AS THE BEST PRESENT KNOWLEDGE, BUT WITHOUT GUARANTEE OF ACCURACY. WHERE ACTUAL CONDITIONS CONFLICT WITH THE DRAWINGS, THEY SHALL BE REPORTED TO THE PROJECT MANAGER AND/OR ENGINEER SO THAT PROPER REVISIONS MAY BE MADE. MODIFICATION OF DETAILS OF CONSTRUCTION SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE PROJECT MANAGER AND/OR ENGINEER.
- 1.04 CONTRACTOR SHALL REVIEW AND BE FAMILIAR WITH SITE CONDITIONS AS SHOWN ON THE ATTACHED SITE PLAN AND/OR SURVEY DRAWINGS.
- 1.05 WAVEGUIDE BRIDGE AND EQUIPMENT CABINETS ARE SHOWN FOR REFERENCE ONLY. REFER TO SEPARATE DRAWINGS FOR SPECIFIC INFORMATION.
- 1.06 CONTRACTOR TO PROVIDE DUMPSTER AND PORTABLE TOILET FACILITY DURING CONSTRUCTION.
- 1.07 CONTRACTOR TO PROVIDE ANY NECESSARY SIGNAGE PER VERIZON PROJECT MANAGER'S INSTRUCTIONS.
- 1.08 UNLESS OTHERWISE INDICATED, VERIZON SHALL OBTAIN & PROVIDE CONSTRUCTION PERMITS. THE CONTRACTOR SHALL OBTAIN, AT HIS OWN EXPENSE, ALL REQUIRED LOCAL, CITY, STATE AND/OR COUNTY CONSTRUCTION LICENSES. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL APPLY FOR & PROVIDE A CERTIFICATE OF OCCUPANCY.
- 1.09 CONSTRUCTION WASTE MAY NEITHER BE BURNED NOR BURIED AND MUST BE TAKEN TO AN APPROVED LANDFILL.
- 1.10 SECURITY TO THE SITE SHALL BE MAINTAINED AT ALL TIMES.

2.00 STRUCTURAL STEEL NOTES

- 2.01 STRUCTURAL STEEL SHALL CONFORM TO THE LATEST EDITION OF THE AISC "SPECIFICATION FOR THE DESIGN, FABRICATION & ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".
- 2.02 ALL INTERIOR STRUCTURAL STEEL SHALL BE FINISHED WITH ONE COAT FABRICATOR'S NON-LEAD, RED OXIDE PRIMER. PRIMING SHALL BE PERFORMED AFTER SHOP FABRICATION TO THE GREATEST EXTENT POSSIBLE. ALL DINGS, SCRAPES, MARS, & WELDS IN THE PRIMED AREAS SHALL BE REPAIRED BY FIELD TOUCH-UP PRIOR TO COMPLETION OF THE WORK.
- 2.03 ALL EXTERIOR STRUCTURAL STEEL SHALL BE GALVANIZED IN ACCORDANCE WITH THE SPECIFICATION ASTM A123 UNLESS OTHERWISE NOTED. GALVANIZING SHALL BE PERFORMED AFTER SHOP FABRICATION TO THE GREATEST EXTENT POSSIBLE. ALL DINGS, SCRAPES, MARS, & WELDS SHALL BE REPAIRED BY FIELD TOUCH-UP PRIOR TO COMPLETION OF THE WORK.
- 2.04 HOLES SHALL NOT BE PLACED THROUGH STRUCTURAL STEEL MEMBERS EXCEPT AS SHOWN AND DETAILED ON THE DRAWINGS.
- 2.05 CONNECTIONS:
 - 2.05A ALL WELDING SHALL BE DONE USING E70XX ELECTRODES AND SHALL CONFORM TO AISC AND AWS D1.1. WHERE FILLET WELD SIZES ARE NOT SHOWN, PROVIDE THE MINIMUM SIZE PER TABLE J2.4 IN THE AISC "MANUAL OF STEEL CONSTRUCTION", 13TH EDITION. AT THE COMPLETION OF WELDING, ALL DAMAGE TO GALVANIZED COATING SHALL BE REPAIRED.
 - 2.05B BOLTED CONNECTIONS SHALL USE BEARING TYPE GALVANIZED ASTM A325 BOLTS (3/4") AND SHALL HAVE A MINIMUM OF TWO BOLTS UNLESS NOTED OTHERWISE.
 - 2.05C NON-STRUCTURAL CONNECTIONS FOR STEEL GRATING MAY USE 5/8" DIA GALVANIZED ASTM A307 BOLTS UNLESS NOTED OTHERWISE.
 - 2.05D CONNECTION DESIGN BY FABRICATOR WILL BE SUBJECT TO REVIEW AND APPROVAL BY ENGINEER.



PROJECT INFORMATION:

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BROOKSTONE
MDG LOCATION ID: 5000091797
SBA SITE ID: GA01082-B
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KENNESAW, GA 30152
COBB COUNTY

PLANS PREPARED BY:

Kimley»Horn
1920 WEKIVA WAY
WEST PALM BEACH, FL 33411
PHONE: (561) 845-0665
WWW.KIMLEY-HORN.COM

REV: DATE: ISSUED FOR: BY:

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A	10/13/25	PRELIMINARY	JJB

LICENSER:



KHA PROJECT NUMBER:

241149015

DRAWN BY: CHECKED BY:

JJB

SM

SHEET TITLE:

GENERAL NOTES

SHEET NUMBER:

N1



Every effort has been made to ensure that these plans comply with all applicable codes and ordinances. Items undetected or unknown to the reviewer does not relieve the contractor of the responsibility to comply with the applicable codes and ordinances.

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NOTE:
 INFORMATION SHOWN ABOVE WAS REPRODUCED FROM NEARMAP & COBB COUNTY GIS AND IS PROVIDED HERE FOR ILLUSTRATIVE PURPOSES ONLY.

1
C1 OVERALL SITE PLAN
 SCALE: 1" = 200'



PROJECT INFORMATION:
 VERIZON NAME:
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 SBA SITE ID: GA01082-B
 1345 MARS HILL ROAD
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OVERALL SITE PLAN

SHEET NUMBER:
C1

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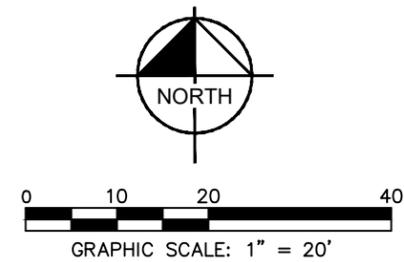
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TOWER COMPOUND

NOTE:
SITE PLAN INFORMATION SHOWN ABOVE WAS REPRODUCED FROM NEARMAP AND IS PROVIDED HERE FOR ILLUSTRATIVE PURPOSES ONLY. IF DISCREPANCIES ARE DISCOVERED SIGNIFICANT ENOUGH TO AFFECT PROJECT SCOPE, THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR DIRECTION PRIOR TO PROCEEDING.

1 SITE PLAN
C2 SCALE: 1" = 20'



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SHEET TITLE:
SITE PLAN

SHEET NUMBER:
C2

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NOTE:
TOTAL ALLOWABLE STRUCTURE HEIGHT PER FAA IS 158' AGL.

TOP OF HIGHEST APPURTENANCE
EL. 158' A.G.L.
TOP OF TOWER
EL. 150' A.G.L.

EXISTING & PROPOSED VERIZON ANTENNAS
EL. 140' A.G.L.

EXISTING 150' MONOPOLE TOWER

EXISTING CHAIN LINK
SECURITY FENCE

EXISTING GRADE
(±0' A.G.L.)

NOTICE TO CONTRACTOR:
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NOTES:
1. ALL INFORMATION ON THIS PAGE IS PROVIDED BY VERIZON AND IS SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. CONTRACTOR SHALL CONTACT THE VERIZON CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION FOR ALL DETAILED ANTENNA AND COAX CABLE INFORMATION.
2. REFER TO STRUCTURAL ANALYSIS BY TOWER ENGINEERING SOLUTIONS, LLC FOR ANALYSIS OF EXISTING STRUCTURE AND TO VERIFY ALL ELEVATIONS.
3. REFER TO MOUNT ANALYSIS AND MOUNT MODIFICATIONS BY TOWER ENGINEERING SOLUTIONS, LLC IF DICTATED BY MOUNT ANALYSIS.
4. NO AC SERVICE ELECTRICAL WORK AND NO SITE ELECTRICAL GROUNDING WORK IS BEING PERFORMED UNDER THIS PERMIT.
5. OVERALL TELECOM LOAD CHANGES, IF ANY, ARE NOT SIGNIFICANT AND DO NOT EXCEED THE CONTINUOUS OR PEAK DEMAND LOAD BUDGET AS DESIGNED AND PERMITTED.

1 MONOPOLE TOWER ELEVATION
C3 NOT TO SCALE



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TOWER ELEVATION

SHEET NUMBER:
C3

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EXISTING VZW ANTENNA 80010510V01
(TO BE REMOVED 1 PER SECTOR)

EXISTING VZW ANTENNA
NHH-65A-R2B (TO REMAIN 1 PER
SECTOR)

PROPOSED VZW ANTENNA AIR3283 (TO
BE INSTALLED 1 PER SECTOR)

EXISTING VZW ANTENNA
NHH-65A-R2B (TO REMAIN 1 PER
SECTOR)

EXISTING VZW ANTENNA AIR6449 (TO
REMAIN 1 PER SECTOR)

EXISTING VZW ANTENNA AIR6449 (TO
REMAIN 1 PER SECTOR)

EXISTING 150' MONOPOLE TOWER

EXISTING 150' MONOPOLE TOWER

GAMMA
SECTOR
240°

BETA
SECTOR
120°

GAMMA
SECTOR
270°

BETA
SECTOR
150°

1 EXISTING MOUNTING DETAIL
C4 NOT TO SCALE

1 FINAL MOUNTING DETAIL
C4 NOT TO SCALE

ANTENNA SECTOR	ANTENNA POSITION	AZIMUTH IN DEGREES	MECHANICAL DOWN TILT	ANTENNA (QTY) MAKE/MODEL	REMOTE RADIO UNIT (QTY) MAKE/MODEL	OVER VOLTAGE PROTECTION (QTY) MAKE/MODEL	TMA/DIPLEXER	COMPOSITION CABLES							
								LENGTH	COAX (QTY) SIZE	HYBRID QTY SIZE					
SECTOR A	A4	30°	0°	(1) ERICSSON/ AIR6449	-	(1) RAYCAP/ RXXDC-6627-PF-48 12 OVP	-	-	(6) 1½"	2	1½"				
	A3	30°	0°	(1) COMMSCOPE/ NHH-65A-R2B	-		-	-							
	A2	30°	0°	(1) ERICSSON/ AIR3283	-		-	-							
	A1	0°	0°	-	-		-	-							
SECTOR B	B4	150°	0°	(1) ERICSSON/ AIR6449	-		-	-				-	-	-	-
	B3	150°	0°	(1) COMMSCOPE/ NHH-65C-R2B	-		-	-				-	-	-	-
	B2	150°	0°	(1) ERICSSON/ AIR3283	-		-	-				-	-	-	-
	B1	0°	0°	-	-		-	-				-	-	-	-
SECTOR G	G4	270°	0°	(1) ERICSSON/ AIR6449	-		-	-				-	-	-	-
	G3	270°	0°	(1) COMMSCOPE/ NHH-65C-R2B	-		-	-				-	-	-	-
	G2	270°	0°	(1) ERICSSON/ AIR3283	-		-	-				-	-	-	-
	G1	0°	0°	-	-		-	-				-	-	-	-

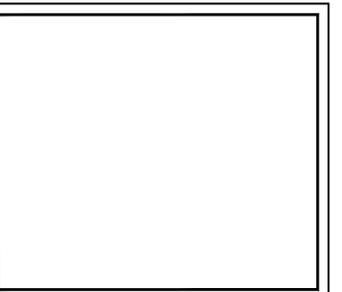
2 TOWER EQUIPMENT SCHEDULE
C4 NOT TO SCALE

NOTICE TO CONTRACTOR:
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SHEET TITLE:
RFDS

SHEET NUMBER:
C4

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EQUIPMENT REPLACEMENT SUMMARY SCHEDULE

EQUIPMENT	QUANTITY	DESCRIPTION
EXISTING EQUIPMENT		
ANTENNAS	3	COMMSCOPE NHH-65A-R2B
	3	ERICSSON AIR 6449
	3	KATHREIN 80010510V01
FEEDLINES	2	1-5/8" HYBRID FIBER
	6	COAX CABLE
OTHER EQUIPMENT	1	RAYCAP RXXDC-6627-PF-48 12 OVP
EQUIPMENT TO BE REMOVED		
ANTENNAS	3	KATHREIN 80010510V01
EQUIPMENT TO BE INSTALLED		
ANTENNAS	3	ERICSSON AIR3283
FINAL CONFIGURATION		
ANTENNAS	3	COMMSCOPE NHH-65A-R2B
	3	ERICSSON AIR3283
	3	ERICSSON AIR 6449
FEEDLINES	2	1-5/8" HYBRID FIBER
	6	COAX CABLE
OTHER EQUIPMENT	1	RAYCAP RXXDC-6627-PF-48 12 OVP

1 **SCOPE OF WORK SUMMARY**
C5 NOT TO SCALE



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SCOPE OF WORK SUMMARY

SHEET NUMBER:

C5



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MOUNT MODIFICATION DRAWINGS

PROPOSED CARRIER: VERIZON

TOWER OWNER: SBA
TOWER OWNER SITE #: GA01082

CARRIER SITE NUMBER: 5000091797-VZW
CARRIER SITE NAME: BROOKSTONE

COORDINATES (LATITUDE: 33.986419°, LONGITUDE: -84.718825°)

FUZE ID # 17504152

TES
A CONGRUEX COMPANY
1320 GREENWAY DRIVE, SUITE 600
IRVING, TX 75038
PH: (972) 483-0607



TES JOB NO:
10321455

CUSTOMER SITE NO:
5000091797-VZW
CUSTOMER SITE NAME:
BROOKSTONE
1345 MARS HILL RD
KENNESAW, GA 30152

09/10/2025



Bikkey Shah
09/11/2026

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SHEET TITLE:

TITLE SHEET

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SHEET NUMBER: ST-1 REV #: 0

Contractor PMI Requirements			
PMI Accessed At	https://pmi.vzwsmart.com		
Smart Tool Vendor Project Number	10321455	Post MOD Analysis Report Project Number	10321455
VzW Location Code (PSLC)	5000091797	Report Dated	09/08/2025
*** PMI and Requirements embedded in Mount Analysis Report			

VzW APPROVED SMART KIT VENDORS
Refer to Mount Modification Drawings Page for VzW SMART KIT Approved Vendors

SHEET	SHEET TITLE	REV
ST-1	TITLE SHEET	0
SBOM	BILL OF MATERIALS	0
SGN-1	GENERAL NOTES	0
SCF-1	CLIMBING FACILITY DETAILS	0
SS-1	ANTENNA MOUNT MODIFICATION DETAILS	0
SS-2	MOUNT PHOTOS	0
-	SPECIFICATION SHEETS	

GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH THE ANSI/TIA-222-H, ANSI/ASSP A10.48, AND ANY OTHER GOVERNING BUILDING CODES AND OSHA SAFETY REGULATIONS.
2. ALL WORK INDICATED ON THE DRAWINGS SHALL BE PERFORMED BY QUALIFIED CONTRACTORS EXPERIENCED IN TELECOMMUNICATIONS TOWER, POLE AND FOUNDATION CONSTRUCTION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND FABRICATION OF ALL MISCELLANEOUS PARTS (SUCH AS SHIMS), TEMPORARY SUPPORTS, AND GUYINGS, ETC., PER ANSI/ASSP A10.48, TO COMPLETE THE ASSEMBLY AS SHOWN IN THE DRAWINGS.
4. CONTRACTOR SHALL PROCEED WITH THE INSTALLATION WORK CAREFULLY SO THE WORK WILL NOT DAMAGE ANY EXISTING CABLE, EQUIPMENT OR THE STRUCTURE.
5. THE USE OF GAS TORCH OR WELDER, ARE NOT ALLOWED ON ANY TOWER STRUCTURE WITHOUT THE CONSENT OF THE TOWER OWNER.
6. GENERALLY THE CONTRACTOR IS RESPONSIBLE TO CONDUCT AN ONSITE VISIT SURVEY OF THE JOB SITE AFTER AWARD, AND REPORT ANY ISSUES WITH THE SITE TO **TES** BEFORE PROCEEDING CONSTRUCTION.
7. TEMPORARILY RELOCATE ANY EXISTING COAX ATTACHED TO THE LEGS AND/OR ANY OTHER MEMBERS WHERE OBSTRUCTION WITH THE PROPOSED MODIFICATION MAY OCCUR.
8. IT IS THE RESPONSIBILITY OF THE GC TO VERIFY THAT THERE IS NO INTERFERENCES (WITH SAFETY CLIMB BRACKETS, TRANSMISSION LINES, ETC.) PRIOR TO MOBILIZATION AND INSTALLATION OF THESE MODIFICATIONS.
9. PLEASE NOTIFY TES IMMEDIATELY IF ANY INSTALLATION ISSUES OCCUR RELATED TO THIS DRAWING @ 972-483-0607 OR EMAIL-**PMISUPPORT@TESTOWER.US**

FABRICATION

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

WELDING

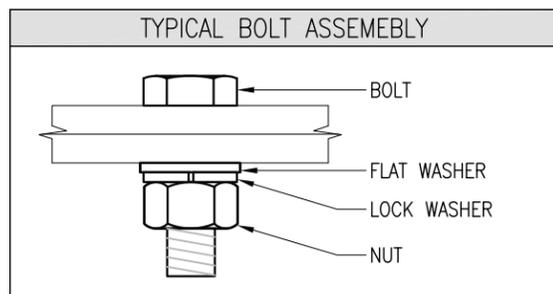
1. ALL WELDING SHALL BE PERFORMED BY AWS CERTIFIED WELDERS AND IN ACCORDANCE WITH THE LATEST EDITION OF THE AWS WELDING CODE D1.1. ALL ELECTRODES TO BE LOW HYDROGEN, MATCHING FILLER METAL, PER AWS D1.1, UNO. (E70XX UNLESS NOTED OTHERWISE).
2. PRIOR TO FIELD WELDING GALVANIZED MATERIAL, CONTRACTOR SHALL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

BOLTED ASSEMBLIES AND TIGHTENING OF CONNECTIONS

1. ALL HIGH STRENGTH BOLTS SHALL CONFORM TO THE PROVISIONS OF THE SPECIFICATIONS FOR STRUCTURAL JOINTS USING A325 OR A490 BOLTS AS APPROVED BY THE RCSC.
2. FLANGE BOLTS SHALL BE TIGHTENED BY THE AISC "TURN-OF-THE-NUT" METHOD. THE FOLLOWING TABLE SHOULD BE USED FOR THE "TURN-OF-THE-NUT" TIGHTENING.
3. SPLICE BOLTS AND ALL OTHER BOLTS IN BEARING TYPE CONNECTIONS SHALL BE TIGHTENED TO A SNUG-TIGHT CONDITION.
4. THE SNUG-TIGHT CONDITION IS DEFINED AS THE TIGHTNESS ATTAINED BY EITHER A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF AN IRONWORKER WITH AN ORDINARY SPUD WRENCH TO BRING THE CONNECTED PLIES INTO FIRM CONTACT.
5. FOR THREADED ROD CONNECTIONS, TRIM EXCESS THREADED ROD TO NO MORE THAN 3" PAST THE NUT AND COAT WITH ZINC KOTE GALVANIZING COMPOUND.

VERIFICATION AND INSPECTION

1. IF APPLICABLE, VERIFICATION INSPECTION TO BE PERFORMED SHALL BE IN ACCORDANCE TO IBC-2018 SECTION 1705.2 FOR STEEL CONSTRUCTION AND TABLE 1705.3 FOR CONCRETE CONSTRUCTION.



NOTES

1. ALL DIMENSIONS REPRESENTED IN THIS SHEET ARE AISC MINIMUM REQUIREMENTS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ENGINEER IF DISTANCES ARE LESS THAN THOSE PROVIDED.
2. THE DIMENSIONS PROVIDED ARE MINIMUM REQUIREMENTS. ACTUAL DIMENSIONS OF PROPOSED MEMBERS WITHIN THESE DRAWINGS MAY VARY FROM THE AISC MINIMUM REQUIREMENTS.
3. SHORT SLOT HOLES SHALL ONLY BE USED WHEN DEPICTED IN THE DRAWINGS.
4. MATCH EXISTING GAGES WHEN APPLICABLE, UNLESS MINIMUM EDGE DISTANCE ARE COMPROMISED.

TABLE 8.2 NUT ROTATION FROM SNUG-TIGHT CONDITION FOR TURN-OF-NUT PRETENSIONING^{a,b}

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

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

^b APPLICABLE ONLY TO JOINTS IN WHICH ALL MATERIAL WITHIN THE GRIP IS STEEL.

^c WHEN THE BOLT LENGTH EXCEEDS 12d_b, THE REQUIRED NUT ROTATION SHALL BE DETERMINED BY ACTUAL TESTING IN A SUITABLE TENSION CALIBRATOR THAT SIMULATES THE CONDITIONS OF SOLIDLY FITTING STEEL.

^d BEVELED WASHER NOT USED.

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

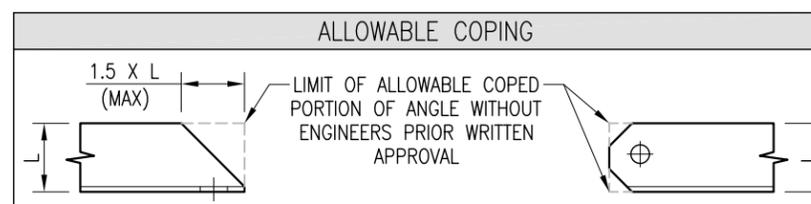
NOMINAL HOLE DIMENSIONS		
BOLT DIAMETER	STANDARD HOLE	SHORT SLOT
1/2"	9/16"	9/16" X 11/16"
5/8"	11/16"	11/16" X 7/8"
3/4"	13/16"	13/16" X 1"
7/8"	15/16"	15/16" X 1 1/8"
1"	1 1/16"	1 1/16" X 1 5/16"

BOLT EDGE AND SPACING		
BOLT DIAMETER	MIN EDGE	SPACING
1/2"	7/8"	1 1/2"
5/8"	1 1/8"	1 7/8"
3/4"	1 1/4"	2 1/4"
7/8"	1 1/2"	2 5/8"
1"	1 3/4"	3"

The diagram shows a rectangular plate with two circular bolt holes. A dimension line indicates the distance from the center of a hole to the nearest edge, labeled as 'MIN. EDGE'.

WORKABLE GAGES	
ANGLE SIZE	GAGE
1 3/4"	1"
2"	1 1/8"
2 1/2"	1 3/8"
3"	1 3/4"
3 1/2"	2"
4"	2 1/2"

The diagram shows an L-shaped gage with a dimension line across the top flange, labeled 'GAGE'.



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1320 GREENWAY DRIVE, SUITE 600
IRVING, TX 75038
PH: (972) 483-0607

verizon

TES JOB NO:
10321455

CUSTOMER SITE NO:
5000091797-VZW
CUSTOMER SITE NAME:
BROOKSTONE

1345 MARS HILL RD
KENNESAW, GA 30152

DRAWN BY: RB CHECKED BY: RI/FL

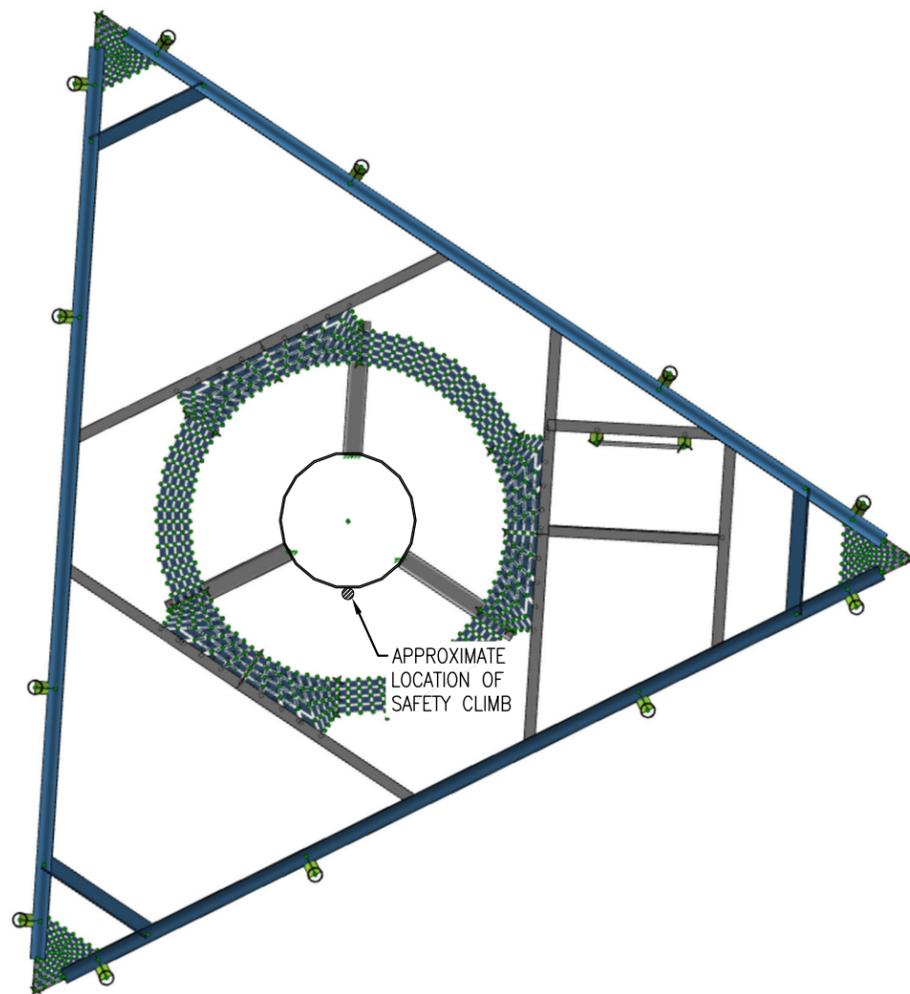
REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	RB	09/10/25

SHEET TITLE:

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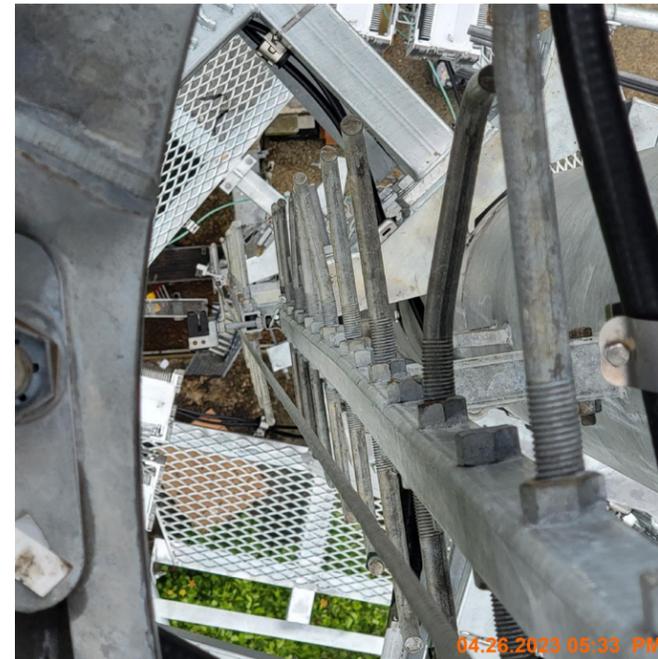
SHEET NUMBER: SGN-1 REV #: 0



1 LOCATION OF SAFETY CLIMB
SCF-1

NOTE:

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



PICTURE OF SAFETY CLIMB

EXISTING LOCATION OF SAFETY CLIMB

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TES JOB NO:
10321455

CUSTOMER SITE NO:
5000091797-VZW

CUSTOMER SITE NAME:
BROOKSTONE

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DRAWN BY: RB CHECKED BY: RI/FL

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CLIMBING FACILITY
DETAILS

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SHEET NUMBER: REV #:

SCF-1 0



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1
SS-1

ISOMETRIC VIEW
EXISTING ANTENNA MOUNT @ 140.0' ELEV.

MOUNT MODIFICATION SCHEDULE		
SL. NO.	MOUNT MODIFICATION DESCRIPTION	REFERENCE SHEET NO.
1	INSTALL NEW SITE PRO HANDRAIL KIT FOR 12'-6" FACE	HRK12

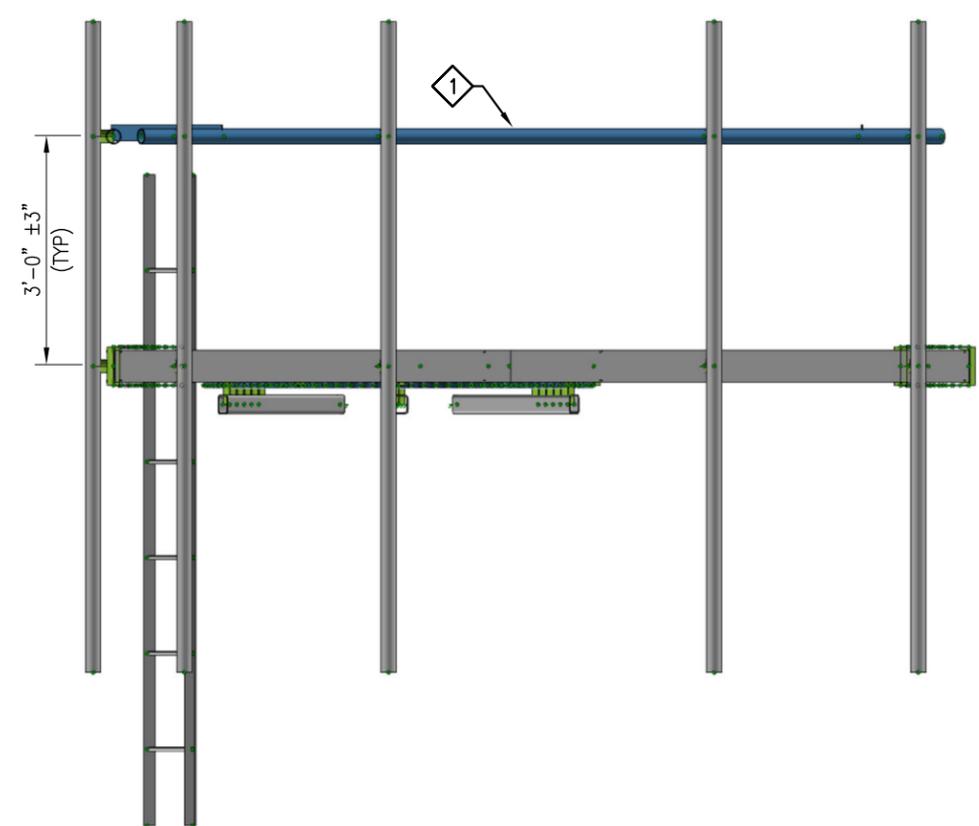
FIELD CUTTING AND FIELD DRILLING MAY BE NECESSARY TO ACHIEVE THE REQUIRED DIMENSIONS

FOR THREADED ROD CONNECTIONS, TRIM EXCESS THREADED ROD TO NO MORE THAN 3" PAST THE NUT AND COAT WITH ZINC KOTE GALVANIZING COMPOUND.

IF EXISTING TOWER IS PAINTED, CONTRACTOR TO VERIFY WITH TOWER OWNER IF NEW MODIFICATION MEMBERS ARE TO BE PAINTED TO MATCH EXISTING TOWER COLOR.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEAN-UP, REMOVAL AND DISPOSAL OF EXCESS MATERIALS USED AND REMOVED FROM THE STRUCTURE AT THE COMPLETION OF THE PROJECT.

MEMBERS IN BLUE COLOR ARE NEW REINFORCEMENTS AND MEMBERS IN AQUA COLOR (IF SHOWN) ARE RELOCATED MEMBERS



2
SS-1 SIDE VIEW

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TES JOB NO:
10321455
CUSTOMER SITE NO:
5000091797-VZW
CUSTOMER SITE NAME:
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1345 MARS HILL RD
KENNESAW, GA 30152

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SHEET TITLE:
**ANTENNA MOUNT
MODIFICATION DETAILS**

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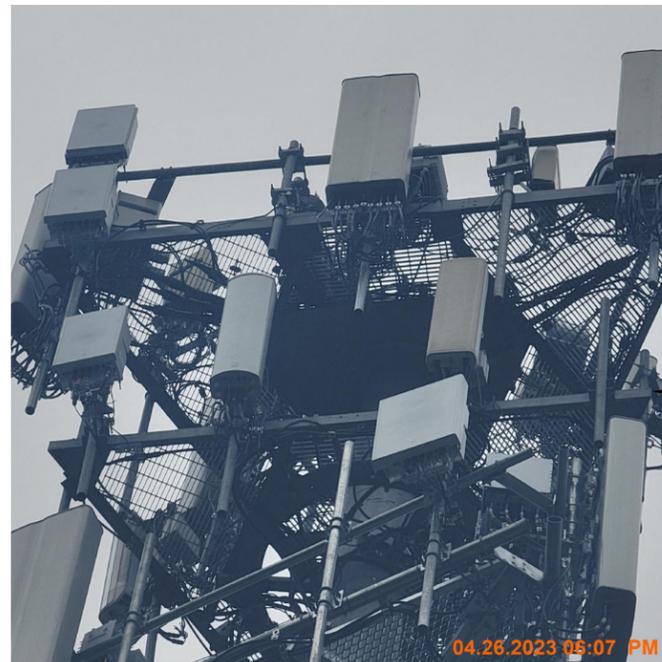
SHEET NUMBER: SS-1	REV #: 0
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TES JOB NO:
10321455
 CUSTOMER SITE NO:
5000091797-VZW
 CUSTOMER SITE NAME:
BROOKSTONE
 1345 MARS HILL RD
 KENNESAW, GA 30152



EXISTING ANTENNA
MOUNT @ 140.0' ELEV

PHOTO 1



PHOTO 2



PHOTO 3



PHOTO 4

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1	FIRST ISSUE	RB	09/10/25

SHEET TITLE:

MOUNT PHOTOS

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SHEET NUMBER: REV #:

SS-2 0

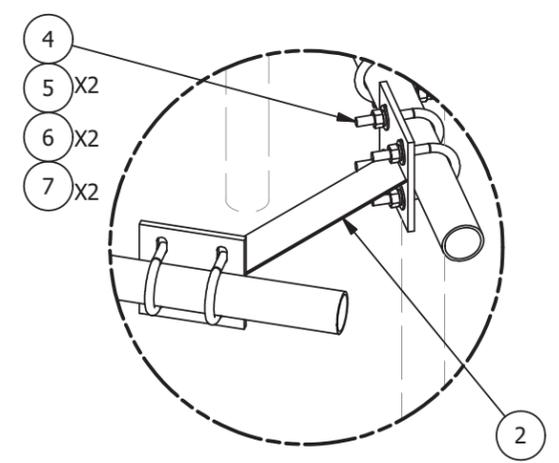
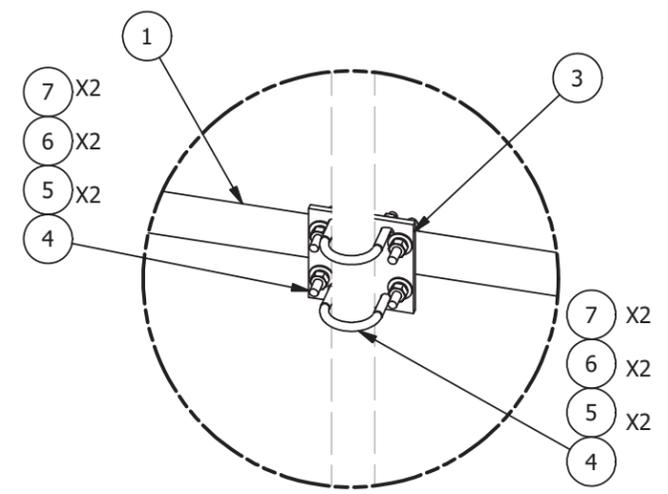
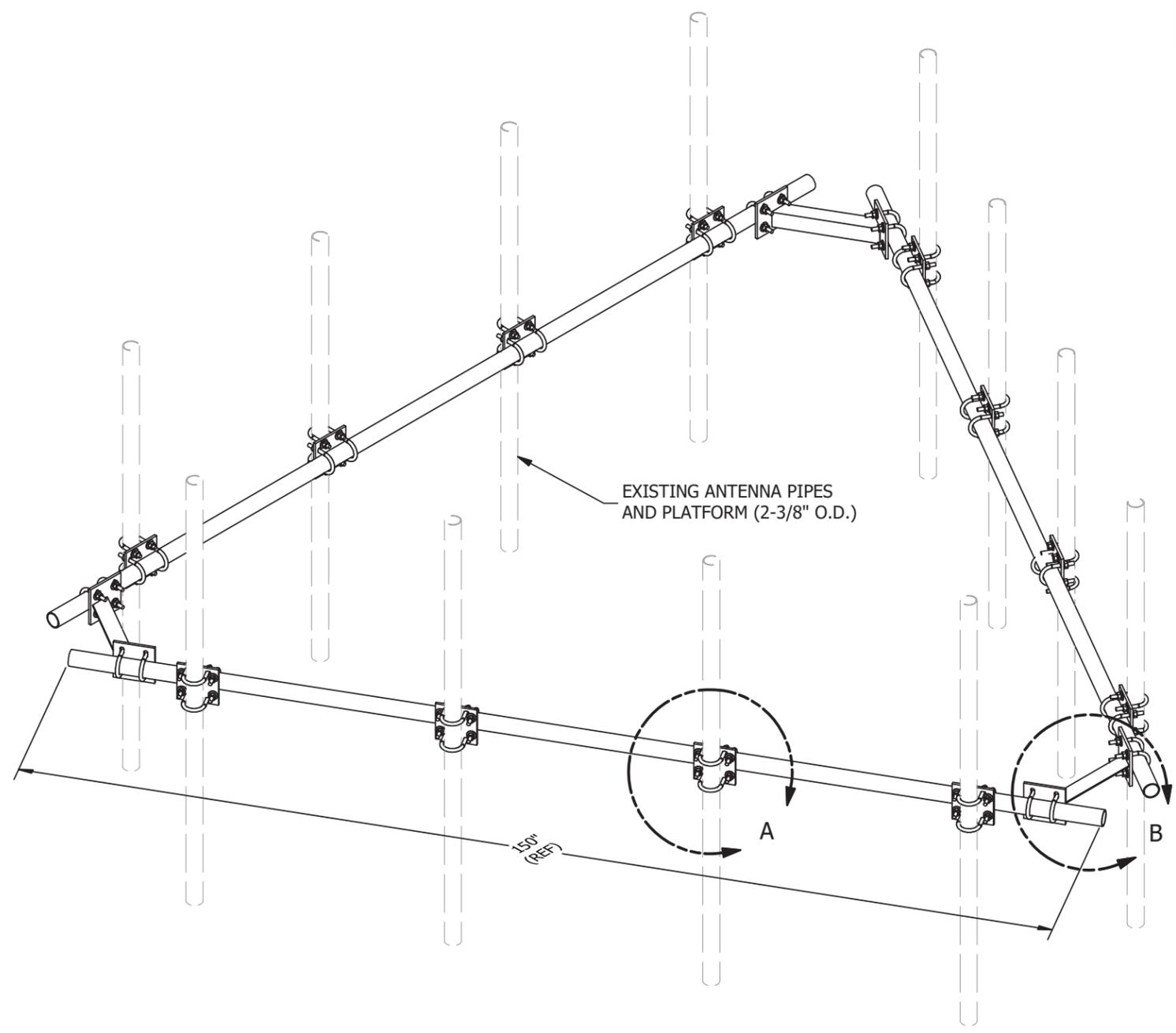


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**THE FOLLOWING DRAWINGS ARE INCLUDED FOR REFERENCE ONLY
PLEASE REFER TO THE INSTALLATION DRAWINGS FOR ACTUAL INSTALLATION DETAILS**



PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	3	P2150	2-3/8" O.D. X 150" SCH 40 GALVANIZED PIPE	150 in	45.77	137.31
2	3	X-AHCP	ANGLE HANDRAIL CORNER PLATE		12.92	38.76
3	12	SCX1	CROSSOVER PLATE 2-3/8" X 2-3/8"	6 in	3.71	44.50
4	60	X-UB1212	1/2" X 2-1/2" X 4-1/2" X 2" U-BOLT (HDG.)		0.63	37.51
5	120	G12FW	1/2" HDG USS FLATWASHER	3/32 in	0.03	4.09
6	120	G12LW	1/2" HDG LOCKWASHER	1/8 in	0.01	1.67
7	120	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	8.60
					TOTAL WT. #	272.43



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 KIT FOR 12'-6" FACE			
CPD NO.	DRAWN BY	ENG. APPROVAL	
	KC8 5/30/2012		
CLASS	SUB	DRAWING USAGE	CHECKED BY
81	01	CUSTOMER	BMC 7/13/2014

SITE PRO 1 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
	PART NO. HRK12	DWG. NO. HRK12

REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE
A	REPLACED HCP WITH X-AHCP		CEK	7/10/2014
REVISION HISTORY				

Civil County Community Development - Commercial Plan Review 2026-001486 3/11/2026
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