

Sector: C

1/16/2025

Structure Type: Rooftop

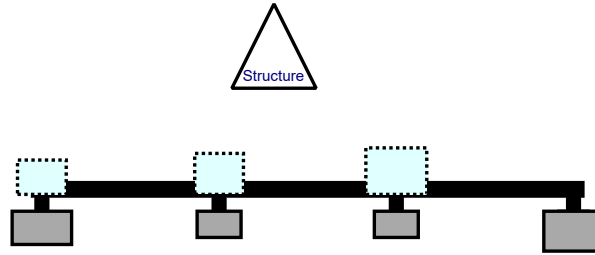
10274519

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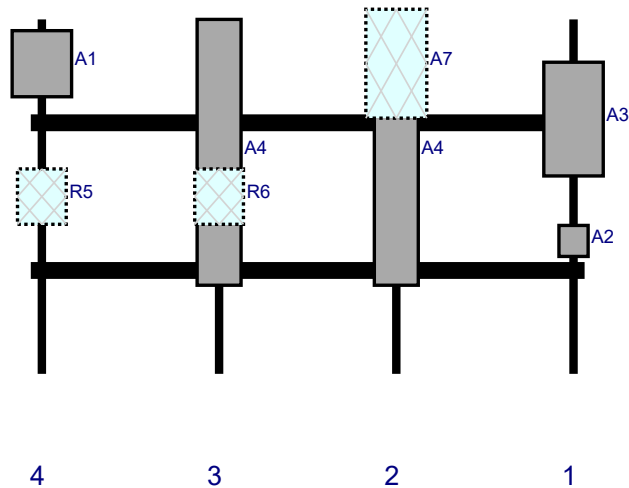
Mount Elev: 70.00

Page: 3

Plan View



Front View - Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A2	4408 w/ KRE 105 281/1	8.4	7.9	147	1	a	Front	60	0	Retained	
A3	AIR 6449	30.8	16.1	147	1	a	Front	27	0	Retained	
A4	NHH-65B-R2B	72	11.9	99	2	b	Front	36	0	Retained	
A7	RC3DC-3315-PF-48	29.5	16.5	99	2	a	Behind	12	0	Retained	
A4	NHH-65B-R2B	72	11.9	51	3	a	Front	36	0	Retained	
R6	8843	15	13.2	51	3	a	Behind	48	0	Retained	
A1	39GHz VectaStar NR gNB	17.9	16.1	3	4	a	Front	12	0	Added	
R5	4449	15	13.2	3	4	a	Behind	48	0	Retained	

MOUNT MODIFICATION DRAWINGS
PROPOSED CARRIER: VERIZON

5000270666-VZW / DAMEN AND FOSTER - A
5110 N DAMEN
CHICAGO, ILLINOIS 60625
COOK COUNTY
LAT: 41° 58' 32.02"; LONG: -87° 40' 49.40"
TOWER MANAGED BY: CHICAGO PUBLIC SCHOOL

FUZE ID # 17333684

CONTRACTOR PMI REQUIREMENTS			
PMI ACCESSED AT	HTTPS://PMI.VZWSMART.COM		
SMART TOOL VENDOR PROJECT #	10274519		
VZW LOCATION CODE (PSLC)	239328		
MDG #	5000270666		
*** PMI AND REQUIREMENTS ALSO EMBEDDED WITHIN MOUNT ANALYSIS REPORT			
VZW APPROVED SMART KIT VENDORS			
REFER TO BILL OF MATERIALS SHEET FOR VZW SMART KIT APPROVED VENDORS			

SHEET INDEX		
SHEET	DESCRIPTION	REV
ST-1	TITLE SHEET	0
SBOM	BILL OF MATERIALS	0
SGN-1	GENERAL NOTES	0
SS-1	MODIFICATION DETAILS	0
SS-2	GEOMETRY VERIFICATION	0
SS-3	MOUNT PHOTOS	0
	SPECIFICATION SHEETS	

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FOSTER - A
CHICAGO, ILLINOIS
MOUNT MODIFICATION DRAWINGS

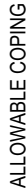
PROJECT No:	24324-1517.005.5191
DRAWN BY:	PLS
DESIGNED BY:	ZC
CHECKED BY:	
DATE:	1/16/2025

TITLE
SHEET

ST-1

- STRUCTURAL STEEL:

1. STRUCTURAL STEEL MATERIALS, FABRICATION, DETAILING, AND WORKMANSHIP SHALL CONFORM TO THE LATEST ADDITION OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC):
 - A. BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC):
 - 1. SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS
 - 2. SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM HIGH STRENGTH BOLTS¹ AS APPROVED BY THE RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS
 - B. BY THE AMERICAN WELDING SOCIETY (AWS):
 - 1. CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIGES²
 - 2. STANDARD SYMBOLS FOR WELDING, BRAZING, AND NON-DESTRUCTIVE EXAMINATION³
2. NEW STEEL, UNLESS NOTED OTHERWISE SHALL CONFORM TO THE REQUIREMENTS OF THE ASTM STANDARD SPECIFICATION FOR STRUCTURAL STEEL NOTED BELOW:
 - A. A36 STEEL - ASTM A36 (GR. B) (68KSI YIELD POINT MATERIAL)
 - B. HSS RECTANGULAR - ASTM A500 (GR. B) (68KSI YIELD POINT MATERIAL)
 - C. HSS ROUND - ASTM A500 (GR. B) (42KSI YIELD POINT MATERIAL)
 - D. PIPE - ASTM A133 (GR. B) (55 KSI YIELD POINT MATERIAL)
 - E. C.M.C. L. PLATES - BARS & ALL OTHER STEEL - ASTM A36 (36KSI YIELD POINT MATERIAL)
3. ALL NEW STEEL SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123, ASTM 153M/153, OR ASTM A586 360.
4. ALL BOLTS, U-BOLTS, AND THREADED RODS SHALL BE PROVIDED WITH LOCK-WASHERS, OR LOCK-WASERS, OR PAL-NUTS TORQUED TO THE SNUG-TIGHT CONDITION AS DEFINED BY AISC.
5. ALL DIAMETER, EITHER PUNCHED OR DRILLED, IN THE EXISTING STEEL MEMBERS SHALL BE 1/16" INCH LARGER THAN THE BOLT DIA. EITHER PUNCHED OR DRILLED. BURNING OF MEMBERS SHALL NOT BE PERMITTED. SLOTTED HOLES AROUND THE PERIMETER OF THE BOLT DIA. SHALL BE 1/8" INCH LARGER THAN THE BOLT DIA. UNLESS NOTED OTHERWISE. ALL BOLT HOLES SHALL BE PLACED AT AISC STANDARD GAGE DIMENSIONS, UNLESS NOTED OTHERWISE.
6. IF ANY EXISTING ASTM A329 BOLTS ARE REMOVED, THEY MUST BE REPLACED WITH NEW A325 BOLTS OR GREATER.
7. ALL EXISTING PAINTED OR GALVANIZED SURFACES DAMAGED DURING CONSTRUCTION SHALL BE WIRE BRUSHED CLEAN, REPAIRED BY FLM GALVANIZING BRUSH-APPLIED PAINT (ZINC-NOTE OR APPROVED EQUIVALENT), AND REPAINTED TO MATCH THE EXISTING FINISH CONFORMING TO ASTM A760.
8. ALL PARTS ARE TO MARKED WITH ITEM NUMBERS USING 3/4" HIGH STEEL STENCILS.
9. SHOP SHALL ASSEMBLE AND VERIFY FIT AND GAPS BEFORE BREAKDOWN FOR GALVANIZING.
10. NO FIELD WELDING SHALL BE DONE TO THE EXISTING STRUCTURE WITHOUT THE PRIOR APPROVAL OF THE OWNER AND SUPERVISION BY THE INSPECTOR/TESTING AGENCY.
11. ALL REQUIRED CUTS SHALL BE CUT WITHIN THE DIMENSIONS SHOWN ON THE DRAWINGS. NO CUTS SHALL EXTEND BEYOND THE OUTLINE OF THE DIMENSIONS SHOWN ON THE DRAWINGS. ALL CUT EDGES SHALL BE GRIND SMOOTH TO REMOVE ALL SHARP EDGES. ALL JOINTS TO BE REMOVED SHALL BE GRIND SMOOTH TO REMOVE ALL SHARP EDGES. IT MAY BE NECESSARY TO DRILL STARTER HOLES AS REQUIRED TO MAKE THE CUT.
12. ALL JOINTS ARE BEARING TYPE CONNECTIONS. UNO IF NO BOLT LENGTH IS GIVEN IN THE BILL OF MATERIALS, THE CONNECTION MAY INCLUDE THREADS IN THE SHEAR PLANE, AND THE CG IS RESPONSIBLE FOR SIZING THE LENGTH OF THE BOLT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE JOINT AFTER GRINDING IS COMPLETED.

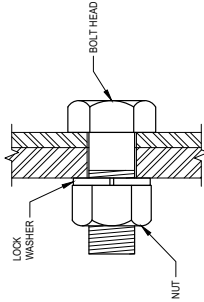


BOLT SCHEDULE (IN)				
BOLT DIAMETER	STANDARD HOLE	SHORT SLOT	MIN EDGE DISTANCE	SPACING
1/2	9/16	9/16 x 1 1/16	7/8	1 1/2
5/8	1 1/16	1 1/16 x 7/8	1 1/8	1 7/8
3/4	1 3/16	1 3/16 x 1	1 1/4	2 1/4
7/8	1 5/16	1 5/16 x 1 1/8	1 1/2	2 5/8
1	1 1/16	1 1/16 x 1 5/16	1 3/4	3

WORKABLE GAGES (IN)	
LEG	GAGE
4	2 1/2
3 1/2	2
3	1 3/4
2 1/2	1 3/8
2	1 1/8

NOTE:

1. ALL DIMENSIONS REPRESENTED IN THE ABOVE TABLES ARE ASC 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 ASC MINIMUM REQUIREMENTS.
3. SHORT SLOT HOLES SHALL ONLY BE USED WHEN DEPICTED IN THE DRAWING.
4. MATCH EXISTING GAGES WHEN APPLICABLE. UNLESS MINIMUM EDGE DISTANCES ARE COMPROMISED.



TYP BOLT ASSEMBLY

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CHICAGO, ILLINOIS
MOUNT MODIFICATION DRAWINGS

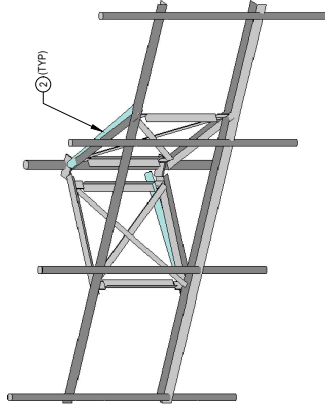
PROJECT NO:	24324-1517.005.5191
DRAWN BY:	PLS
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DATE:	1/16/2025

GENERAL
NOTES

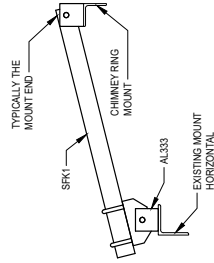
SGN-1

NOTES:

1. PRIOR TO FABRICATION AND INSTALLATION, CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND QUANTITIES GIVEN. LENGTH AND QUANTITIES PROVIDED ARE FOR QUOTING PURPOSE ONLY AND SHALL NOT BE USED FOR FABRICATION.
2. ALL MODIFICATIONS SHOWN ARE TYPICAL. ALL SECTORS UNLESS NOTED OTHERWISE.
3. SOME MEMBERS NOT SHOWN FOR CLARITY.
4. RADIO AND/OR THE POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACCOMMODATE THE LOCATION OF THE SHOWN. EAR SHALL BE ADJUSTED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER POSITION.
5. MEMBERS IN BLUE COLOR ARE NEW REINFORCEMENTS AND MEMBERS IN AQUA COLOR (IF SHOWN) ARE RELOCATED MEMBERS.
6. ALL SHOWN DIMENSIONS HAVE AN INSTALLABLE TOLERANCE OF $\pm 0.03'$ UNLESS NOTED OTHERWISE.



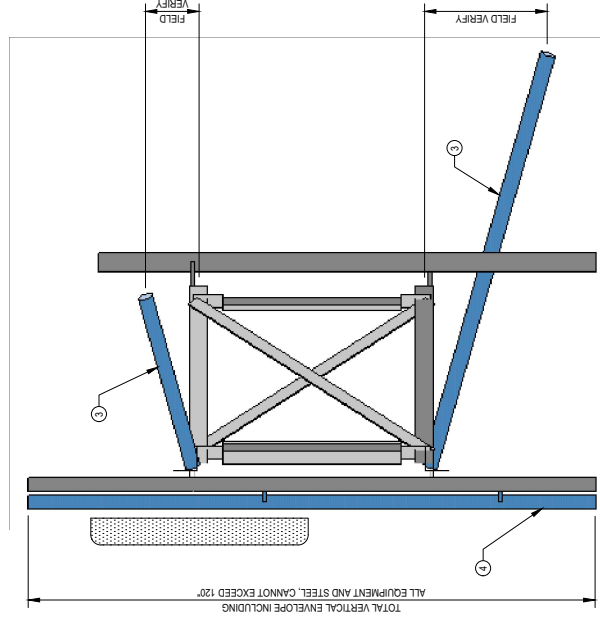
EXISTING MOUNT VIEW 1
SCALE: NTS SS-1



DETAIL

MOUNT MODIFICATION SCHEDULE			
	ELEVATION	MOUNT MODIFICATION DESCRIPTION	REFERENCE SHEETS
1	70'-0"	COMPLETE GEOMETRY VERIFICATION SHEET	SS-1
2	70'-0"	REMOVE EXISTING TIE BACKS	SS-1
3	70'-0"	INSTALL NEW TIE BACK WTS	SS-1
4	70'-0"	INSTALL NEW MOUNT USING NEW PIPE TO PIPE CLAMPS (ALPHA ONLY)	SS-1

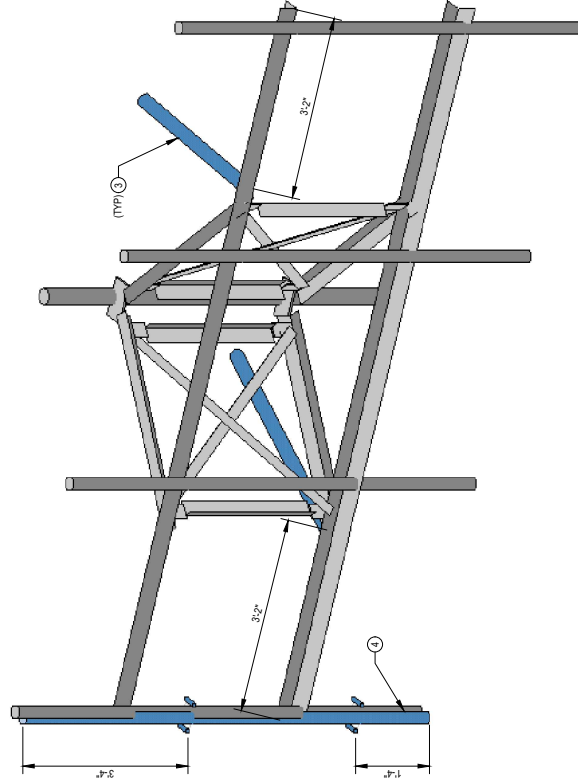
TIEBACKS TO BE INSTALLED AT NEARLY 90 DEGREE ANGLE RELATIVE TO THE MOUNT FACE. FIELD DRILL HOLES INTO EXISTING MOUNT HORIZONTAL ANGLE AND CHIMNEY ANGLE RING MOUNT. SEE DETAIL 4/SS-1 FOR ATTACHMENT CONFIGURATION.



SIDE VIEW

SCALE: NTS

3 SS-1



ISOMETRIC MODIFIED MOUNT VIEW 2
SCALE: NTS SS-1



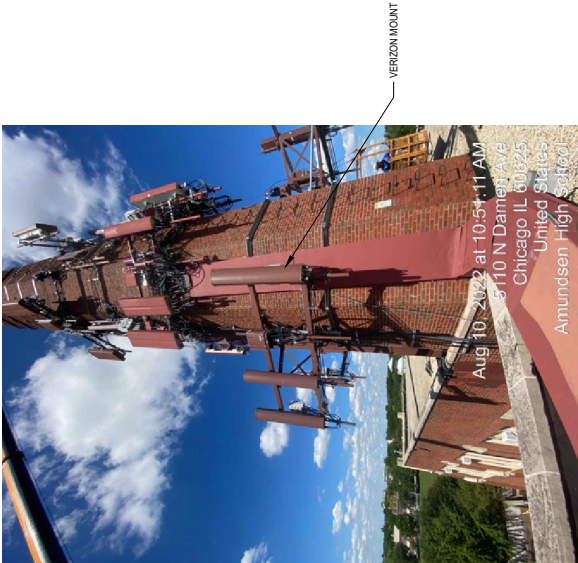
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GEOMETRY VERIFICATION

SS-2

MOUNT ISOMETRIC VIEW (TYP. ALL SECTORS)
N.T.S.

		MOUNT PIPE SIZE	LENGTH	HORIZONTAL SPACING	PROJECTION
	1				
	2				
	3				
	4				



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MOUNT MODIFICATION DRAWINGS

PROJECT No:	24324-1517.005.5101
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MOUNT
PHOTOS

SS-3