



DISH Wireless, LLC. SITE ID:

MWMKE00177A

DISH Wireless, LLC. SITE ADDRESS:

**3486 COUNTY HIGHWAY MN
MCFARLAND VILLAGE, MN 53558**

WISCONSIN CODE COMPLIANCE

ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES:

CODE TYPE	CODE
BUILDING	WISCONSIN CBC/2015 IBC W/ WI AMENDMENTS
MECHANICAL	WISCONSIN CBC/2015 IMC W/ WI AMENDMENTS
ELECTRICAL	WISCONSIN ELECTRICAL CODE/2017 NEC W/ WI AMENDMENTS

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SCOPE OF WORK

THIS IS NOT AN ALL INCLUSIVE LIST. CONTRACTOR SHALL UTILIZE SPECIFIED EQUIPMENT PART OR ENGINEER APPROVED EQUIVALENT. CONTRACTOR SHALL VERIFY ALL NEEDED EQUIPMENT TO PROVIDE A FUNCTIONAL SITE. THE PROJECT GENERALLY CONSISTS OF THE FOLLOWING:
TOWER SCOPE OF WORK:

- INSTALL (3) PROPOSED PANEL ANTENNAS (1 PER SECTOR)
- INSTALL (2) PROPOSED MICROWAVE DISH ANTENNAS AND (2) RADIOS
- INSTALL (1) PROPOSED ANTENNA PLATFORM
- INSTALL (6) PROPOSED RRU's (2 PER SECTOR)
- INSTALL (1) PROPOSED OVER VOLTAGE PROTECTION DEVICE (OVP)
- INSTALL (1) PROPOSED HYBRID CABLE (LENGTH: 195'-0")
- INSTALL (2) MW POWER, (2) MW FIBER AND (2) MW CAT 5 CABLES (LENGTH: 195'-0")
- INSTALL PROPOSED JUMPERS

GROUND SCOPE OF WORK:

- INSTALL (1) PROPOSED METAL PLATFORM
- INSTALL (1) PROPOSED ICE BRIDGE
- INSTALL (1) PROPOSED PPC CABINET
- INSTALL (1) PROPOSED EQUIPMENT CABINET
- INSTALL (1) PROPOSED POWER CONDUIT
- INSTALL (1) PROPOSED TELCO CONDUIT
- INSTALL (1) PROPOSED TELCO-FIBER BOX
- INSTALL (1) PROPOSED GPS UNIT
- INSTALL (1) PROPOSED SAFETY SWITCH (IF REQUIRED)

SITE PHOTO



UNDERGROUND SERVICE ALERT - DIGGERS HOTLINE
UTILITY NOTIFICATION CENTER OF WISCONSIN
(800) 242-8511
WWW.DIGGERSHOTLINE.COM

CALL 3 WORKING DAYS UTILITY NOTIFICATION PRIOR TO CONSTRUCTION

GENERAL NOTES

THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE. NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.

11"x17" PLOT WILL BE HALF SCALE UNLESS OTHERWISE NOTED

CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS, AND CONDITIONS ON THE JOB SITE, AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.

SITE INFORMATION

PROPERTY OWNER: KHAN M. & SADIA ARIF
ADDRESS: 3486 COUNTY HIGHWAY MN
MCFARLAND VILLAGE, WI 53558

TOWER TYPE: MONOPOLE

TOWER CO SITE ID: TBD

TOWER APP NUMBER: TBD

COUNTY: FIELD 16

LATITUDE (NAD 83): 43° 01' 01.0" N
43.016944°

LONGITUDE (NAD 83): 89° 16' 15.4" W
-89.270944°

ZONING JURISDICTION: DANE COUNTY

ZONING DISTRICT: RURAL RESIDENTIAL

PARCEL NUMBER: 06-100-218-2450

OCCUPANCY GROUP: U

CONSTRUCTION TYPE: II-B

POWER COMPANY: TBD

TELEPHONE COMPANY: TBD

PROJECT DIRECTORY

APPLICANT: DISH Wireless, LLC.
5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120

TOWER OWNER: TOWERKING

SITE DESIGNER: FULLERTON ENGINEERING
1100 E WOODFIELD RD., STE 500
SCHAUMBURG, IL 60173
(847) 908-8400

SITE ACQUISITION: MEGHAN LANIGAN

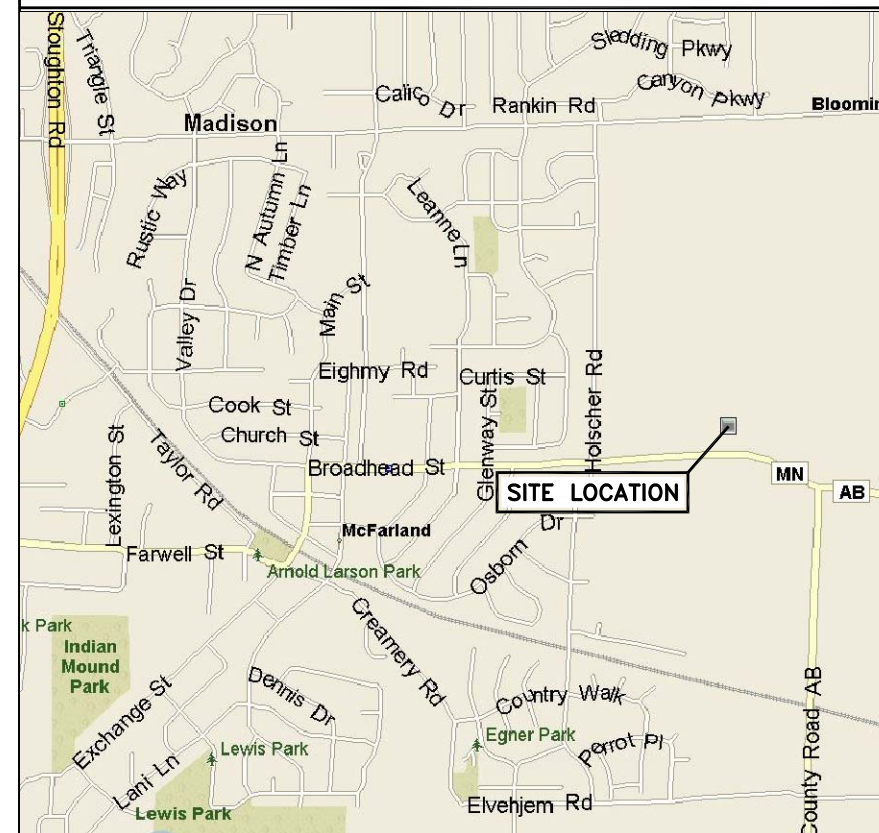
CONSTRUCTION MANAGER: ANDREW HILGERSON

RF ENGINEER: CESAR SOSA

DIRECTIONS

DIRECTIONS FROM DANE COUNTY REGIONAL AIRPORT:
TURN LEFT (SOUTH-EAST) ONTO ANDERSON ST.
TURN RIGHT (SOUTH) ONTO US-51 [N STOUGHTON RD].
TURN LEFT (EAST) ONTO SIGGELKOW RD.
TURN RIGHT (SOUTH) ONTO HOLSCHER RD.
TURN LEFT (EAST) ONTO CR-MN [COUNTY ROAD MN].
TURN LEFT (NORTH) ONTO LOCAL ROAD(S), ARRIVE AT SITE.

VICINITY MAP



5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120



1100 E. WOODFIELD ROAD, SUITE 500
SCHAUMBURG, ILLINOIS 60173
TEL: 847-908-8400
COA# 3620-11
www.FullertonEngineering.com

NOT TO BE USED FOR CONSTRUCTION

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

DRAWN BY:	CHECKED BY:	APPROVED BY:
LA	DZ	DS

RFDS REV #: 1

PRELIMINARY DOCUMENTS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	2/20/23	ISSUED FOR REVIEW

A&E PROJECT NUMBER
2021.0030.0148

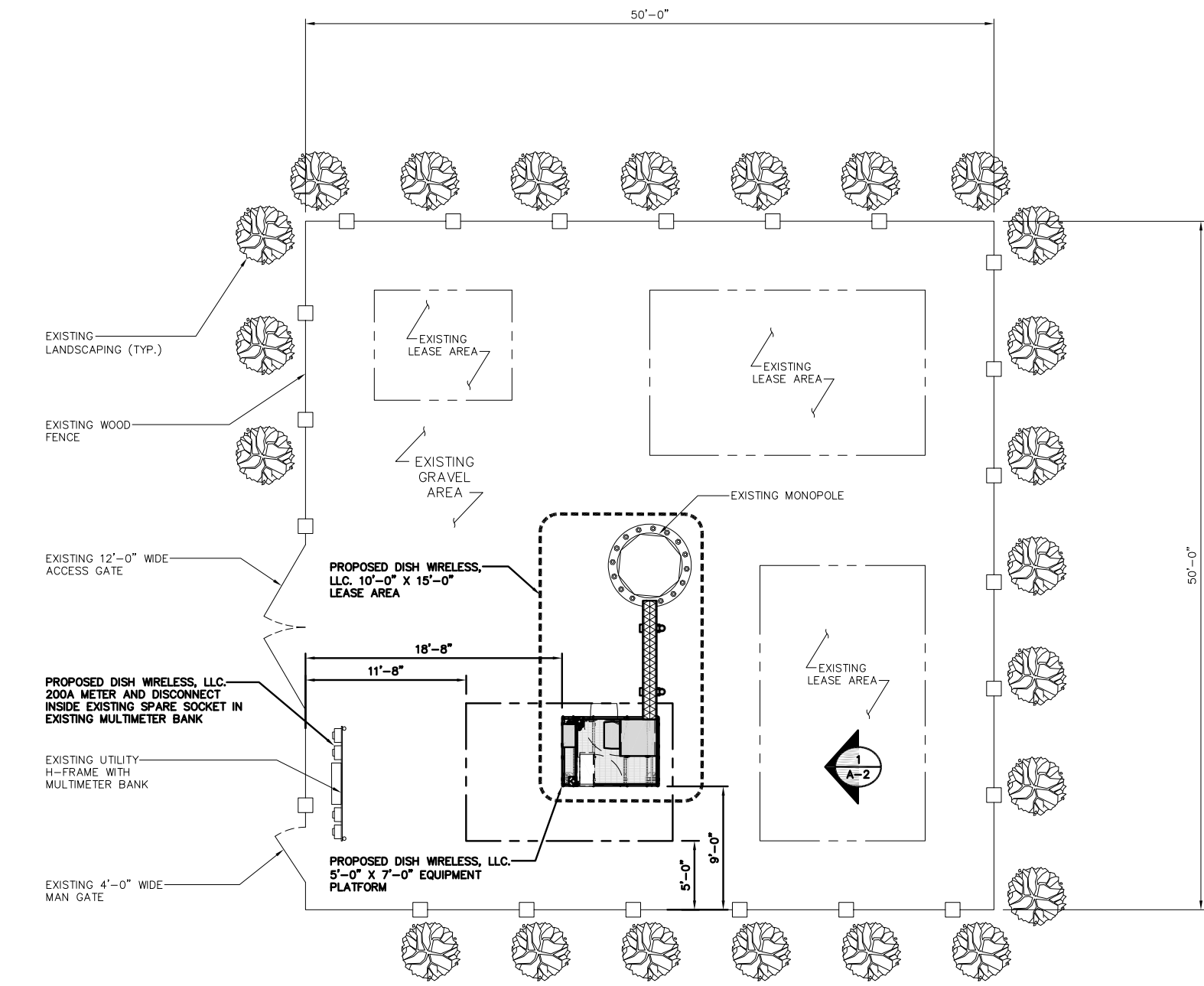
DISH WIRELESS, LLC.
PROJECT INFORMATION
MWMKE00177A
3486 COUNTY HIGHWAY MN
MCFARLAND VILLAGE, MN 53558

SHEET TITLE
TITLE SHEET

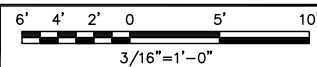
SHEET NUMBER
T-1

NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
2. ANTENNAS AND MOUNTS OMITTED FOR CLARITY.
3. TOWER AND COMPOUND ARE LABELED AS "EXISTING" BUT HAVE NOT BEEN CONSTRUCTED AT THE TIME OF ISSUANCE OF THIS CONSTRUCTION DRAWING SET. SITE CONDITIONS ARE SHOWN BASED ON PLANS FOR THE SITE PREPARED BY OTHERS. THE TOWER AND COMPOUND WILL BE CONSTRUCTED PRIOR TO THE INSTALLATION OF THE DISH WIRELESS EQUIPMENT AND IT IS ASSUMED SITE CONDITIONS WILL MATCH WHAT IS SHOWN IN THESE CONSTRUCTION DRAWINGS. IF CONDITIONS DIFFER AT TIME OF INSTALLATION OF DISH EQUIPMENT, CONTRACTOR SHALL NOTIFY A DISH WIRELESS REPRESENTATIVE AND THE ENGINEER FOR ADDITIONAL ANALYSIS AND DESIGN.



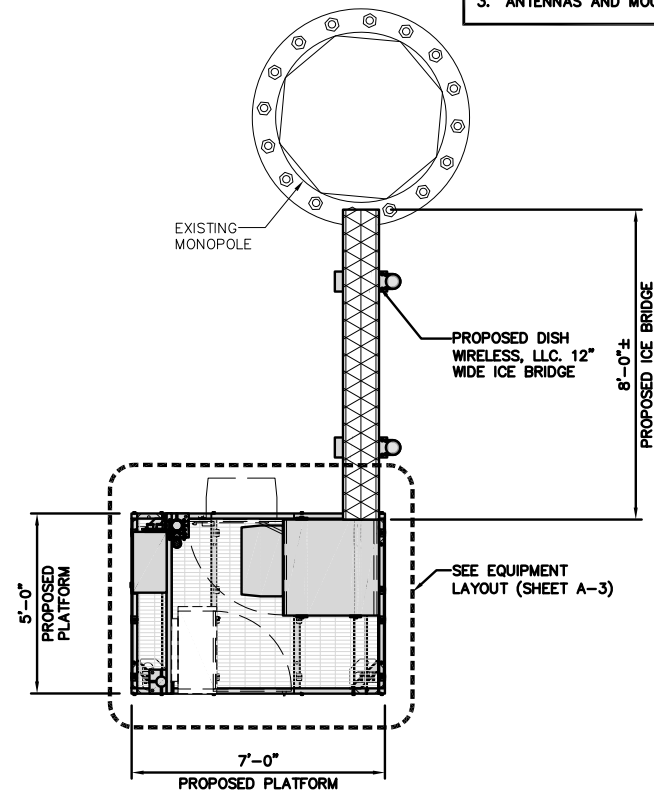
SITE PLAN



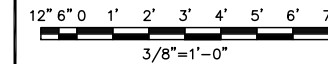
1

NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
2. CONTRACTOR SHALL MAINTAIN A 10'-0" MINIMUM SEPARATION BETWEEN THE PROPOSED GPS UNIT, TRANSMITTING ANTENNAS AND EXISTING GPS UNITS.
3. ANTENNAS AND MOUNTS OMITTED FOR CLARITY.



ENLARGED SITE PLAN



2

NOT USED

NO SCALE

3



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APPROVED BY: DS

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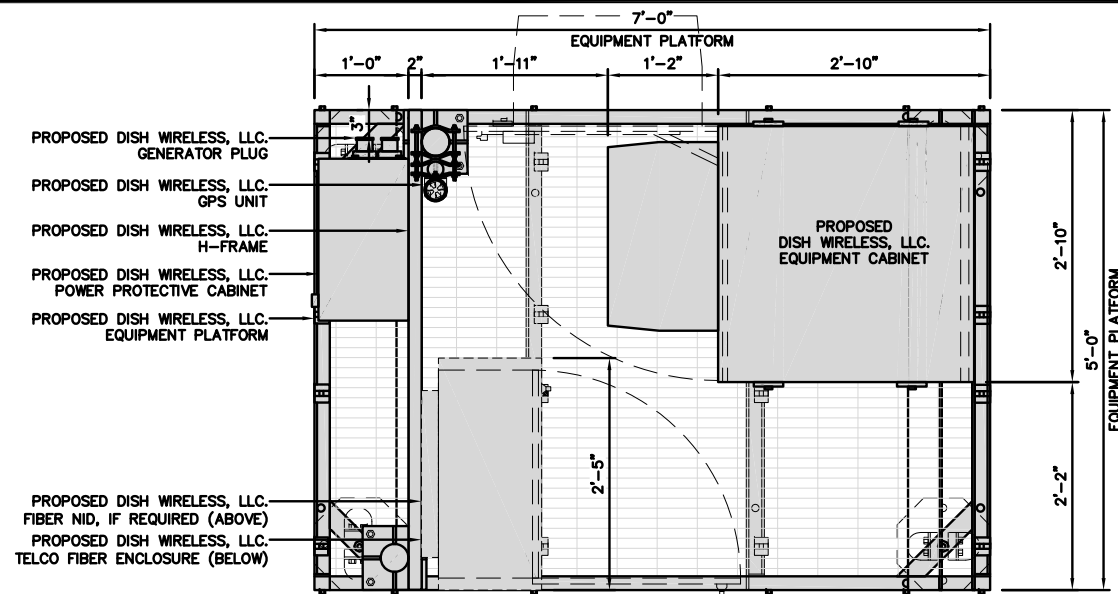
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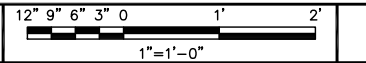
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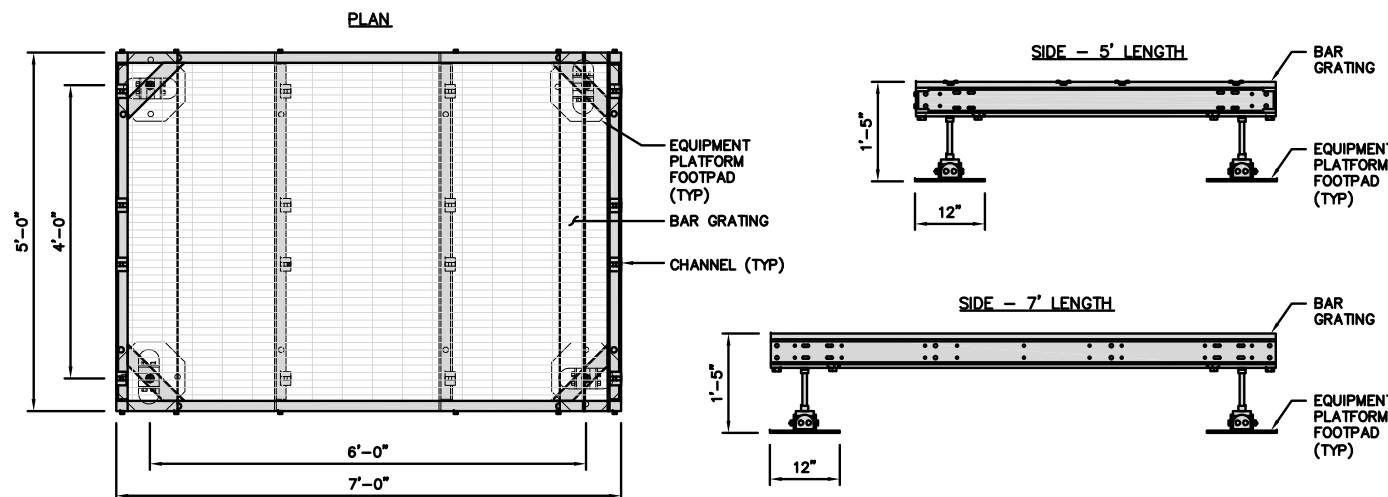


PLATFORM EQUIPMENT PLAN



1

COMMSCOPE MTC4045LP 5X7 PLATFORM	
DIMENSIONS (HxWxD)	16"x84"x60"
TOTAL WEIGHT	423 LBS

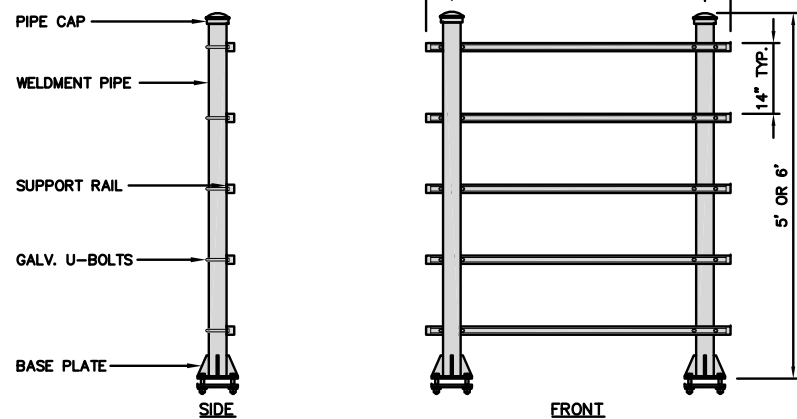


PLATFORM DETAIL

NO SCALE 2

COMMSCOPE MTC4045HFLD H-FRAME	
UNISTRUT/SUPPORT RAILS QTY	5
WEIGHT	59.74 lbs

NOTE:
OR DISH Wireless L.L.C.
APPROVED EQUIVALENT



H-FRAME DETAIL

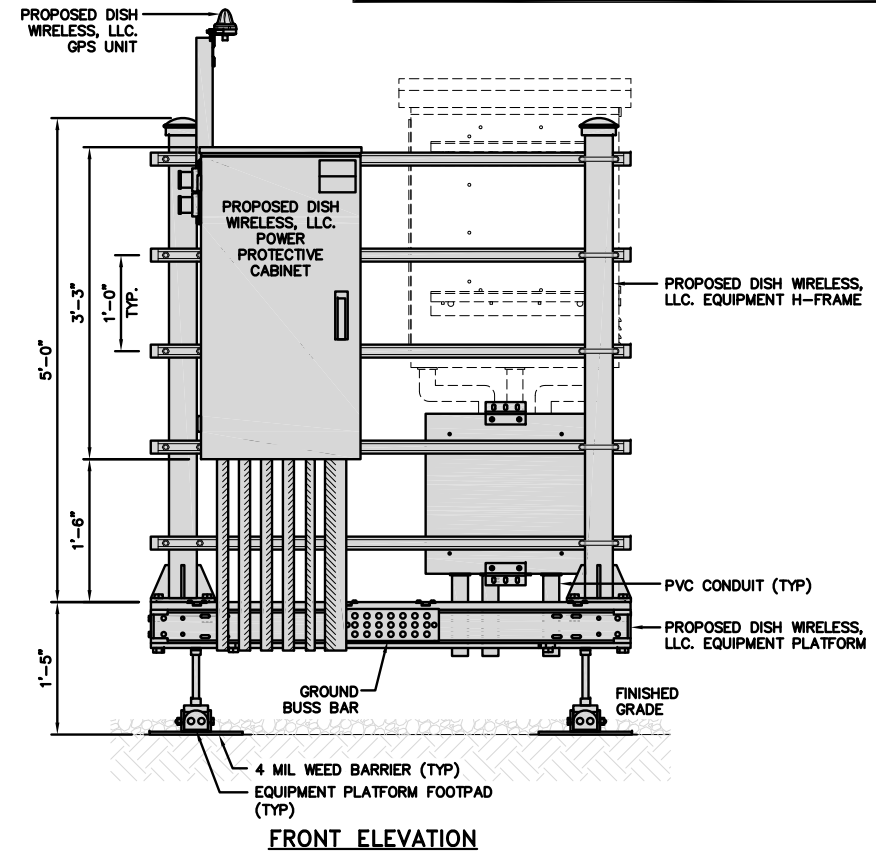
NO SCALE 3

NOT USED

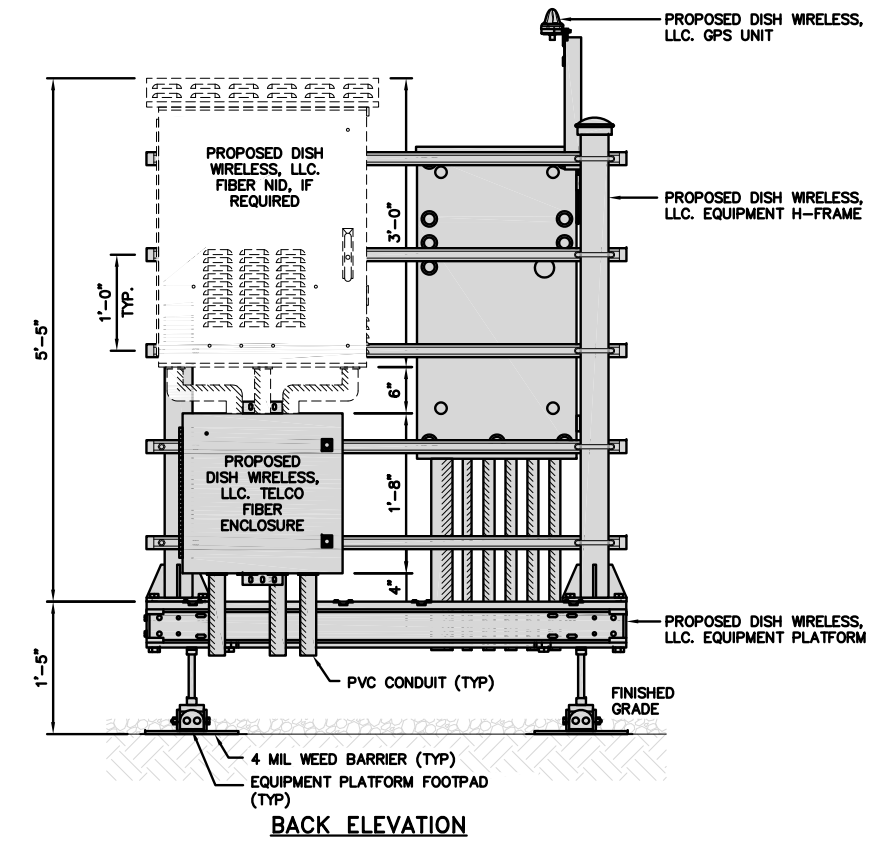
NO SCALE 4

NOTES

1. CONTRACTOR TO BURY PLATFORM FEET WITH A MINIMUM OF 2' OF FILL PER EXISTING SITE SURFACE.
2. WEED BARRIER FABRIC TO BE ADDED AT DISCRETION OF DISH WIRELESS, LLC. CONSTRUCTION MANAGER AT TIME OF CONSTRUCTION. ONE SHEET 8'x8' INSTALLED UNDER ALL FOUR FEET OF THE PLATFORM (4 MIL BLACK PLASTIC).
3. EQUIPMENT CABINET OMITTED FOR CLARITY.

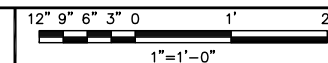


FRONT ELEVATION



BACK ELEVATION

H-FRAME EQUIPMENT ELEVATION



5



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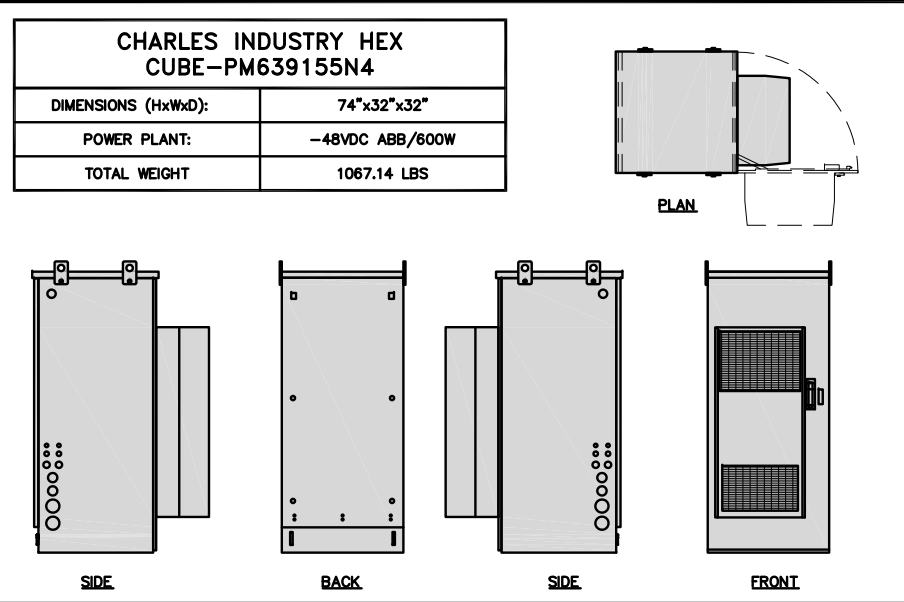
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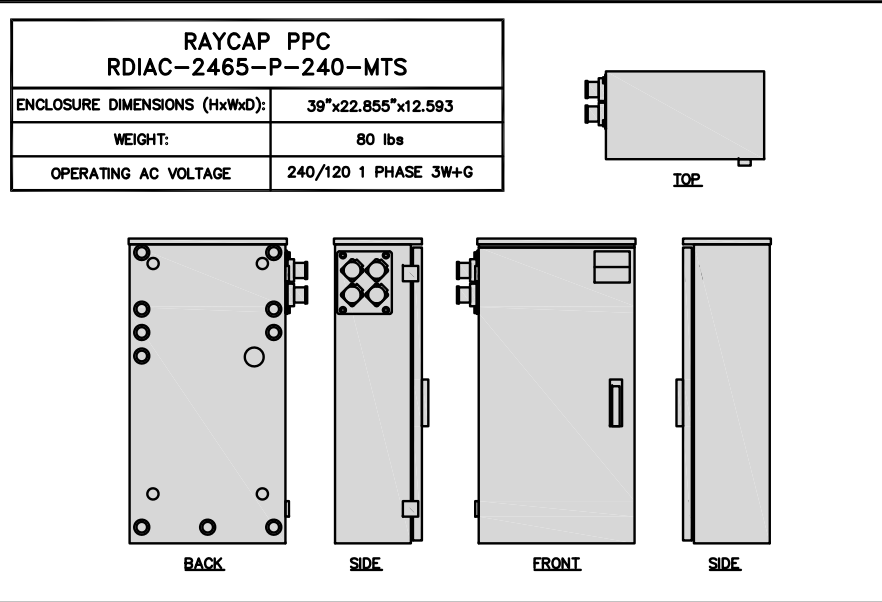
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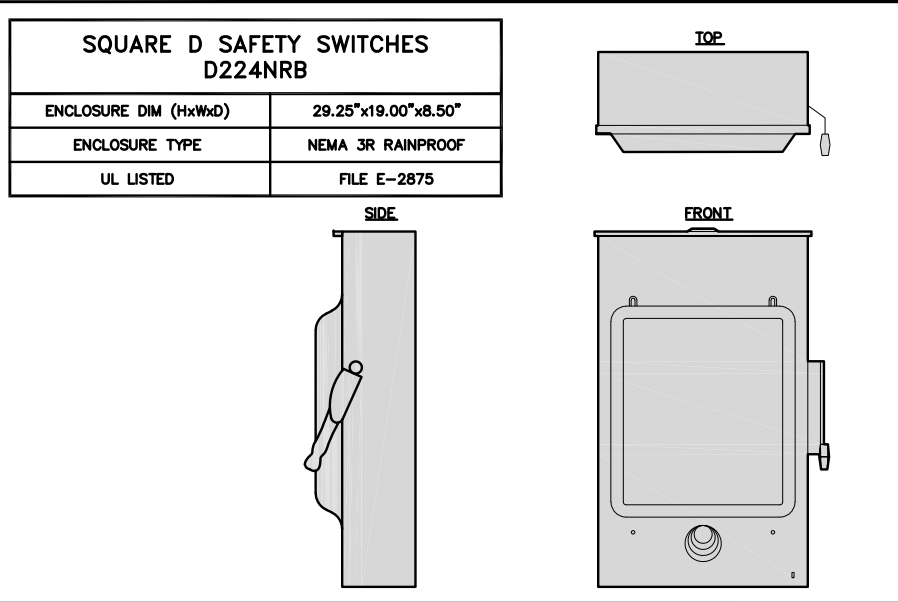
A-3



CABINET DETAIL NO SCALE 1



POWER PROTECTION CABINET (PPC) DETAIL NO SCALE 2



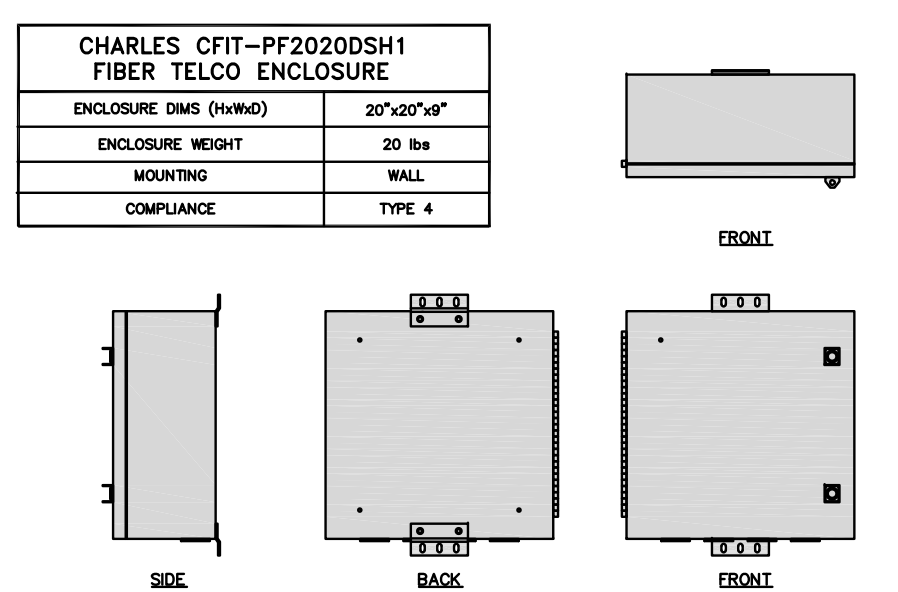
SAFETY SWITCH DETAIL (IF REQUIRED) NO SCALE 3



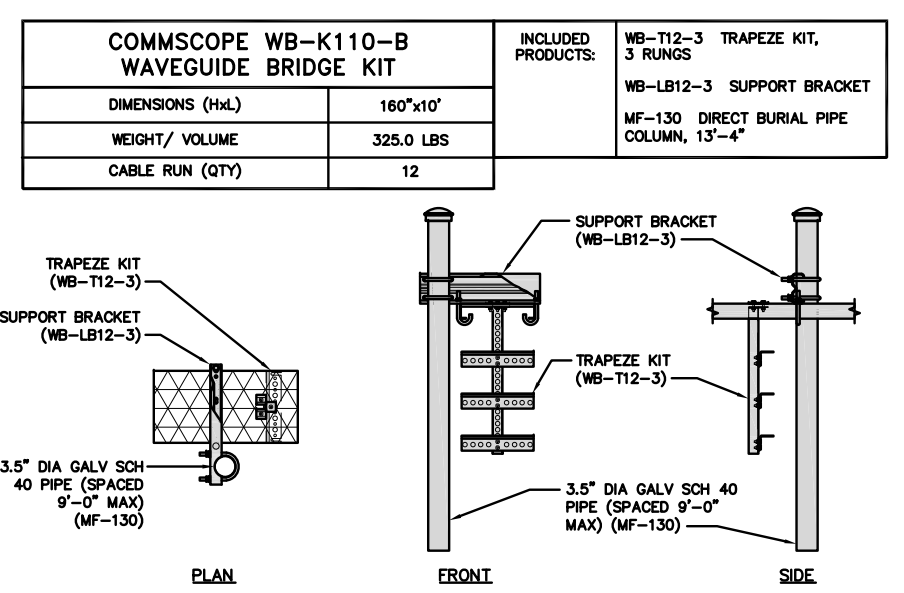
NOT USED NO SCALE 4



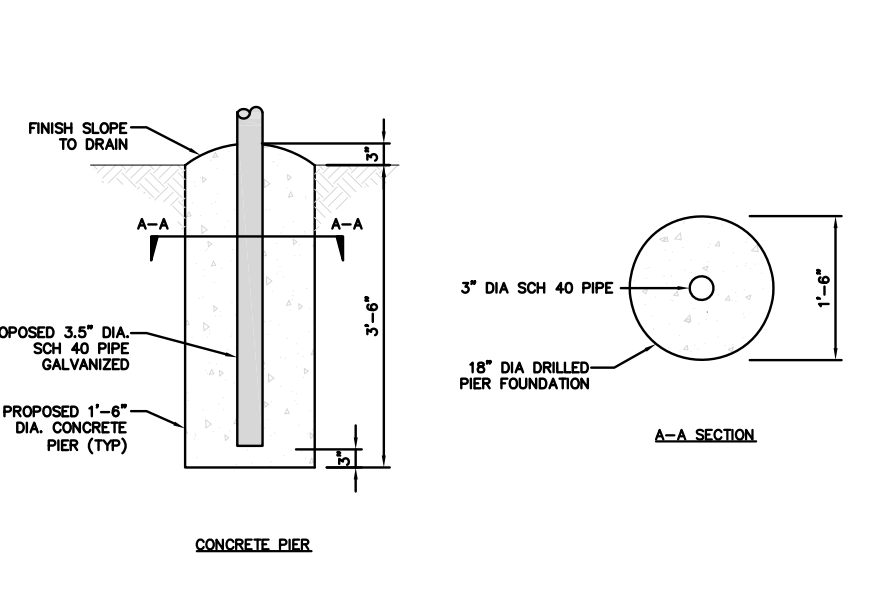
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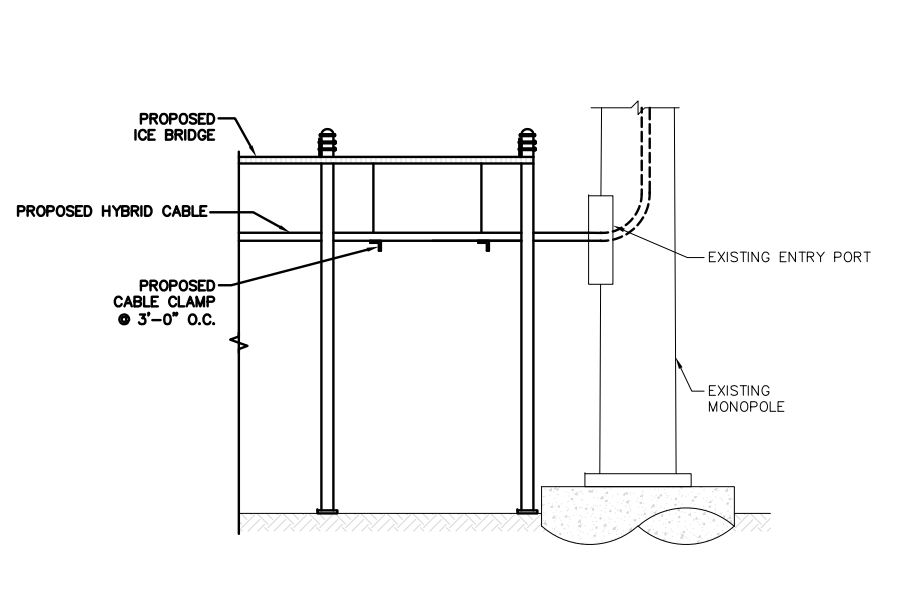
FIBER TELCO ENCLOSURE DETAIL NO SCALE 6



ICE BRIDGE DETAIL NO SCALE 7



TYPICAL ICE BRIDGE CONCRETE PIER DETAIL NO SCALE 8



ICE BRIDGE DETAIL NO SCALE 9

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