



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@ct.gov

Web Site: portal.ct.gov/csc

VIA ELECTRONIC MAIL

January 4, 2022

Jeffrey Barbadora
Site Acquisition Specialist
Crown Castle
1800 W. Park Drive
Westborough, MA 01581
jeff.barbadora@crowncastle.com

RE: **EM-T-MOBILE-007-211115** – T-Mobile notice of intent to modify an existing telecommunications facility located at 1684 Chamberlain Highway, Berlin, Connecticut.

Dear Mr. Barbadora:

The Connecticut Siting Council (Council) is in receipt of your correspondence of December 29, 2021 submitted in response to the Council's December 28, 2021 notification of an incomplete request for exempt modification with regard to the above-referenced matter.

The submission renders the request for exempt modification complete and the Council will process the request in accordance with the Federal Communications Commission 60-day timeframe.

Thank you for your attention and cooperation.

Sincerely,

Melanie A. Bachman
Executive Director

MAB/FOC/emr



T-MOBILE SITE NUMBER: CTNH614A

T-MOBILE SITE NAME: CTNH614A

SITE TYPE: MONOPOLE

TOWER HEIGHT: 133'-0"

BUSINESS UNIT #: 876382

**SITE ADDRESS: 1684 CHAMBERLAIN HIGHWAY
BERLIN, CT 6037**

COUNTY: HARTFORD

JURISDICTION: HARTFORD COUNTY

T-MOBILE SPRINT RETAIN SITE CONFIGURATION: 67E5998E_1XAIR+10P



35 GRIFFIN ROAD
BLOOMFIELD, CT 06002



1500 CORPORATE DRIVE
CANONSBURG, PA 15317



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**T-MOBILE SITE NUMBER:
CTNH614A**

**BU #: 876382
BERLIN/LAVIANA
ORCHARD**

**1684 CHAMBERLAIN
HIGHWAY
BERLIN, CT 6037**

EXISTING 133'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	06/01/2021	RCD	FINAL	SS
1	06/04/2021	PEG	FINAL	SS
2	10/28/2021	TJ	SA REFERENCE	SS

SITE INFORMATION

CROWN CASTLE USA INC. BERLIN/LAVIANA ORCHARD
SITE NAME:
SITE ADDRESS: 1684 CHAMBERLAIN HIGHWAY
BERLIN, CT 6037
COUNTY: HARTFORD
MAP/PARCEL #: 19-4-15-17
AREA OF CONSTRUCTION: EXISTING
LATITUDE: 41.58977778° (41° 35' 23.07")
LONGITUDE: -72.80530000° (-72° 48' 19.20")
LAT/LONG TYPE: NAD83
GROUND ELEVATION: 354.34 FT
CURRENT ZONING: MR-1
JURISDICTION: HARTFORD COUNTY
OCCUPANCY CLASSIFICATION: U
TYPE OF CONSTRUCTION: IIB
A.D.A. COMPLIANCE: FACILITY IS UNMANNED AND NOT FOR
HUMAN HABITATION
PROPERTY OWNER: LAVIANA RONALD L & ARLENE G
1684 CHAMBERLAIN HWY
KENSINGTON CT 06037
TOWER OWNER: CROWN CASTLE
2000 CORPORATE DRIVE
CANONSBURG, PA 15317
CARRIER/APPLICANT: T-MOBILE
35 GRIFFIN ROAD
BLOOMFIELD, CT 06002
ELECTRIC PROVIDER: TBD
TELCO PROVIDER: TBD

DRAWING INDEX

SHEET #	SHEET DESCRIPTION
T-1	TITLE SHEET
T-2	GENERAL NOTES
C-1	SITE PLAN & ENLARGED SITE PLAN
C-2	FINAL ELEVATION & ANTENNA PLANS
C-3	ANTENNA & CABLE SCHEDULE
C-4	PLUMBING DIAGRAM
C-5	EQUIPMENT SPECS
C-6	EQUIPMENT SPECS
E-1	AC PANEL SCHEDULES & ONE LINE DIAGRAM
G-1	ANTENNA GROUNDING DIAGRAM
G-2	GROUNDING DETAILS

ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR
----- CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING
DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL
IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY
DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR
BE RESPONSIBLE FOR SAME.

PROJECT DESCRIPTION

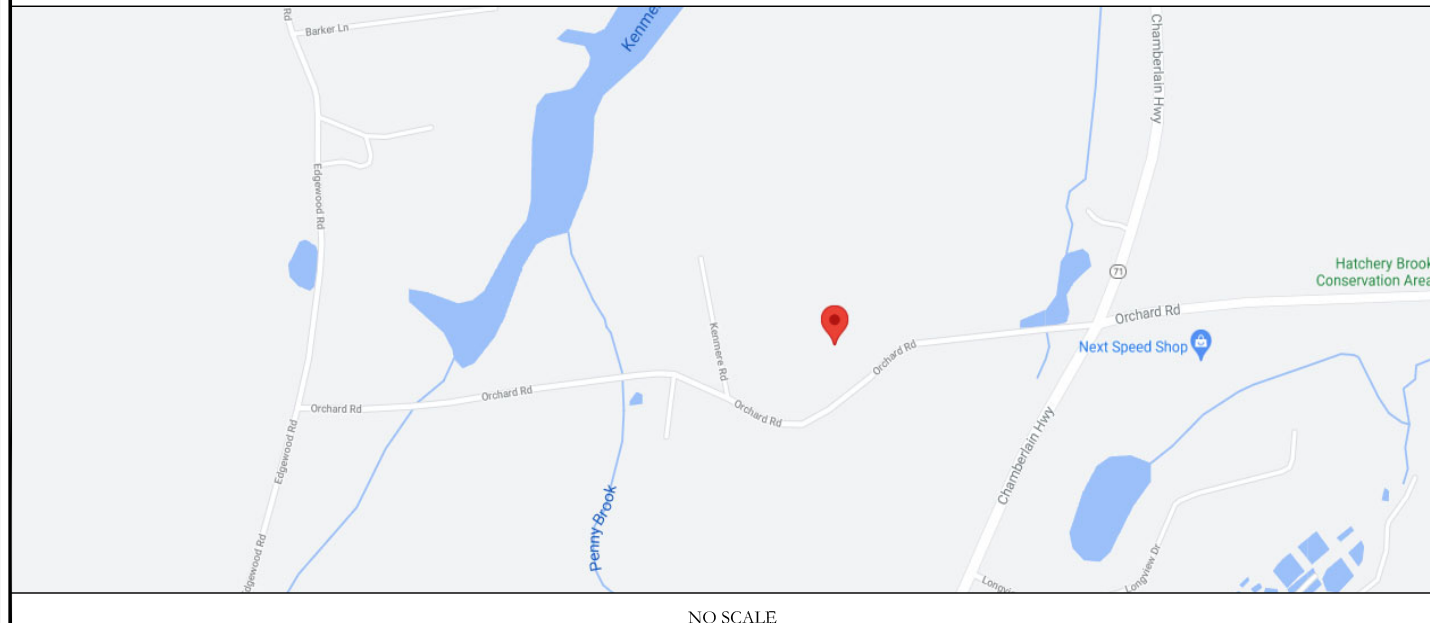
THE PURPOSE OF THIS PROJECT IS TO ENHANCE
BROADBAND CONNECTIVITY AND CAPACITY TO THE
EXISTING ELIGIBLE WIRELESS FACILITY.

- TOWER SCOPE OF WORK:**
- REMOVE (3) ANTENNAS
 - REMOVE (6) RRHs
 - REMOVE (1) RRH MOUNT
 - REMOVE (3) HYBRID CABLES
 - INSTALL (6) ANTENNAS
 - INSTALL (6) RRHs
 - INSTALL (4) HYBRID CABLES
 - INSTALL (1) GPS
 - INSTALL (1) GPS LINE

- GROUND SCOPE OF WORK:**
- REMOVE (1) MMBS EQUIPMENT CABINET
 - REMOVE (1) BBU EQUIPMENT CABINET
 - INSTALL (1) 6160 & (1) B160 BATTERY CABINETS
 - INSTALL (3) BB 6648
 - INSTALL (1) DUG20
 - INSTALL (1) PSU 4813
 - INSTALL (1) CSR IXRe V2 (GEN2)

NOTE:
PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST
CONTACT THE CROWN NOC AT (800) 788-7011 & CROWN
CONSTRUCTION MANAGER.

LOCATION MAP



NO SCALE

**APPLICABLE CODES/REFERENCE
DOCUMENTS**

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	2018 CT STATE BUILDING CODE
MECHANICAL	2015 IMC
ELECTRICAL	2017 NEC

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS:	PAUL J. FORD & COMPANY
DATED:	10/21/2021
MOUNT ANALYSIS:	INFINIGY
DATED:	08/31/2021
RFDS REVISION:	1
DATED:	03/30/2021
ORDER ID:	557904
REVISION:	1



CALL CONNECTICUT ONE CALL
(800) 922-4455 CBYD.COM
CALL 2 WORKING DAYS
BEFORE YOU DIG!



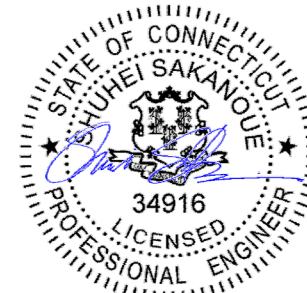
APPROVALS

APPROVAL	SIGNATURE	DATE
PROPERTY OWNER OR REP.	_____	_____
LAND USE PLANNER	_____	_____
T-MOBILE	_____	_____
OPERATIONS	_____	_____
RF	_____	_____
NETWORK	_____	_____
BACKHAUL	_____	_____
CONSTRUCTION MANAGER	_____	_____

THE PARTIES ABOVE HEREBY APPROVE AND ACCEPT THESE DOCUMENTS
AND AUTHORIZE THE CONTRACTOR TO PROCEED WITH THE
CONSTRUCTION DESCRIBED HEREIN. ALL CONSTRUCTION DOCUMENTS
ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT AND
ANY CHANGES AND MODIFICATIONS THEY MAY IMPOSE.

PROJECT TEAM

A&E FIRM: INFINIGY
1033 WATERVLIET SHAKER RD.
ALBANY, NY 12205
CROWN CASTLE USA INC. DISTRICT
CONTACTS: 1500 CORPORATE DRIVE
CANONSBURG, PA 15317
TRICIA PELON - PROJECT MANAGER
(518)-424-2396
JASON D'AMICO - CONSTRUCTION MANAGER
(860)-209-0104



10/28/21

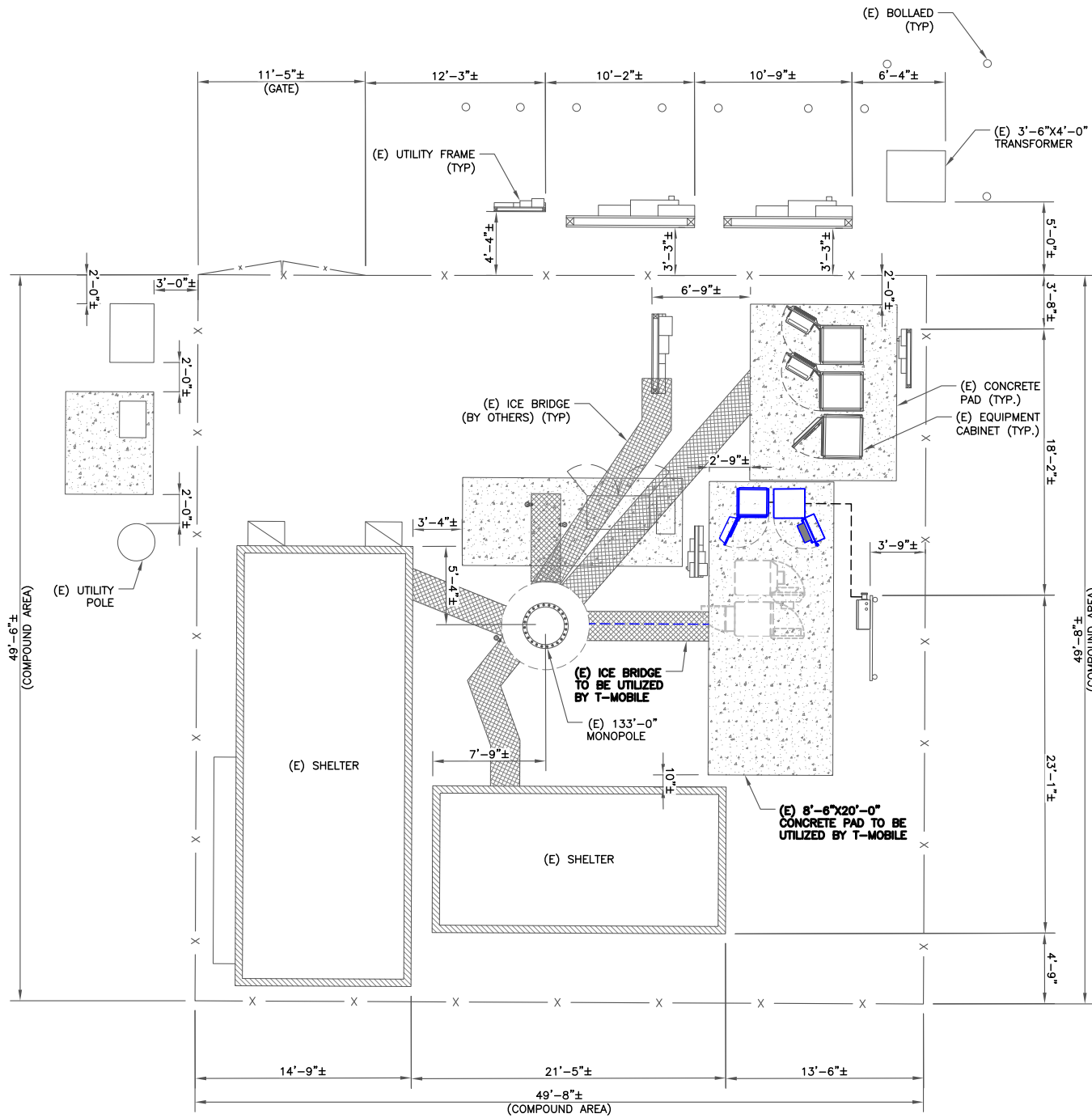
IT IS A VIOLATION OF LAW FOR ANY PERSON,
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OF A LICENSED PROFESSIONAL ENGINEER,
TO ALTER THIS DOCUMENT.

SHEET NUMBER: REVISION:

T-1

2

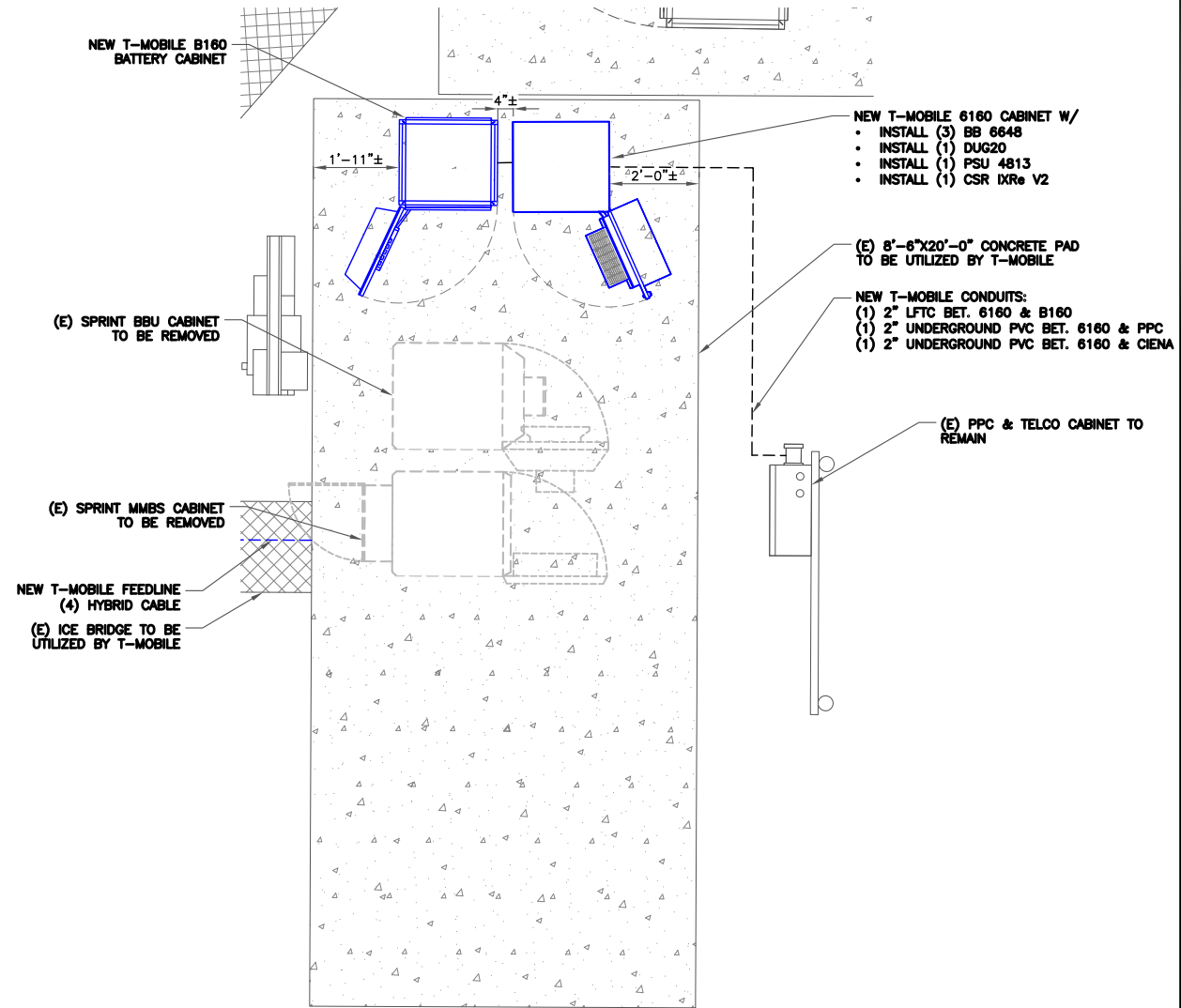
NOTE:
 1. PLANS BASED ON SITE PLAN PROVIDED BY TOWER OWNER AND SITE VISIT PERFORMED BY INFINIGY. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND LOCATION/ORIENTATION OF EXISTING T-MOBILE EQUIPMENT.



1 SITE PLAN
 SCALE: 3/8"=1'-0" (FULL SIZE)
 3/16"=1'-0" (11x17)



NOTES:
 THE POWER DESIGN FOR ANY AC ELECTRICAL POWER CHANGES IS TO BE PERFORMED BY OTHERS AND IS SHOWN HERE FOR REFERENCE PURPOSES ONLY. T-MOBILE IS SOLELY RESPONSIBLE FOR THE ELECTRICAL POWER DESIGN.



2 ENLARGED SITE PLAN
 SCALE: 1/2"=1'-0" (FULL SIZE)
 1/4"=1'-0" (11x17)



T-Mobile
 35 GRIFFIN ROAD
 BLOOMFIELD, CT 06002

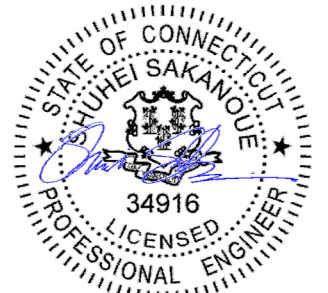
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 BU #: 876382
BERLIN/LAVIANA ORCHARD
 1684 CHAMBERLAIN HIGHWAY
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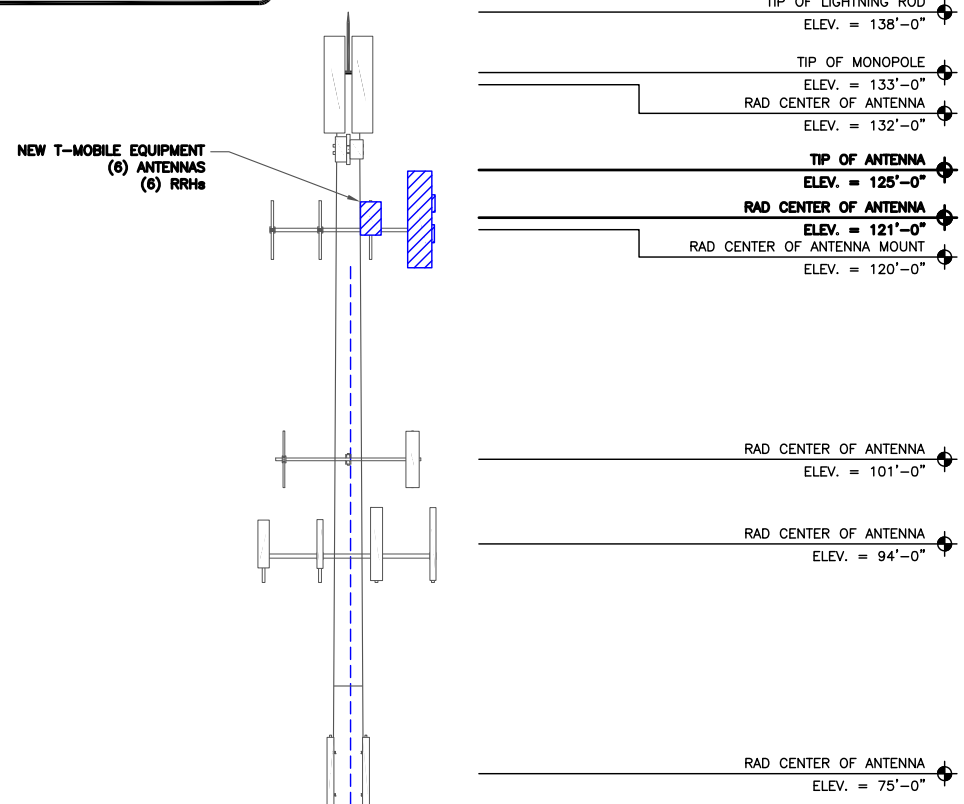


10/28/21

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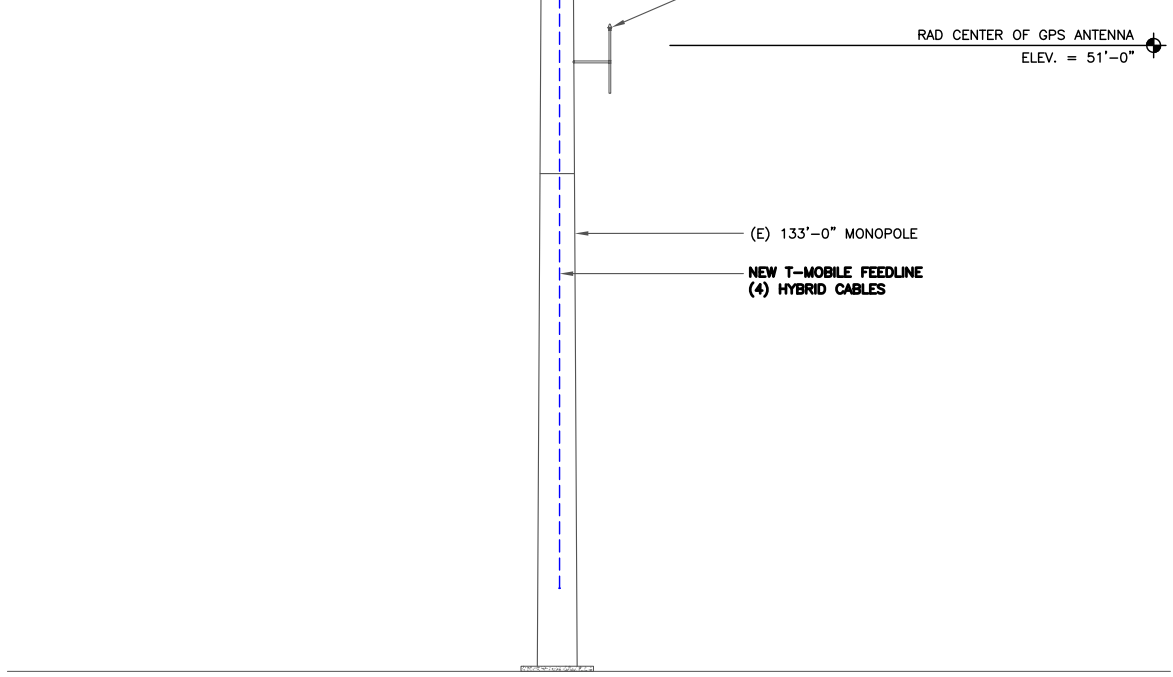
SHEET NUMBER: **C-1**
 REVISION: **2**

NOTES:
 1. ELEVATION BASED ON DRAWING PROVIDED BY TOWER OWNER. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND LOCATION/ORIENTATION OF EXISTING EQUIPMENT.
 2. INFINIGY HAS NOT EVALUATED THE TOWER STRUCTURE AND ASSUMES NO RESPONSIBILITY FOR THEIR STRUCTURAL INTEGRITY REGARDING PROPOSED LOADINGS. FINAL INSTALLATION SHALL COMPLY WITH RESULTS OF PASSING STRUCTURAL ANALYSES PERFORMED BY OTHERS.

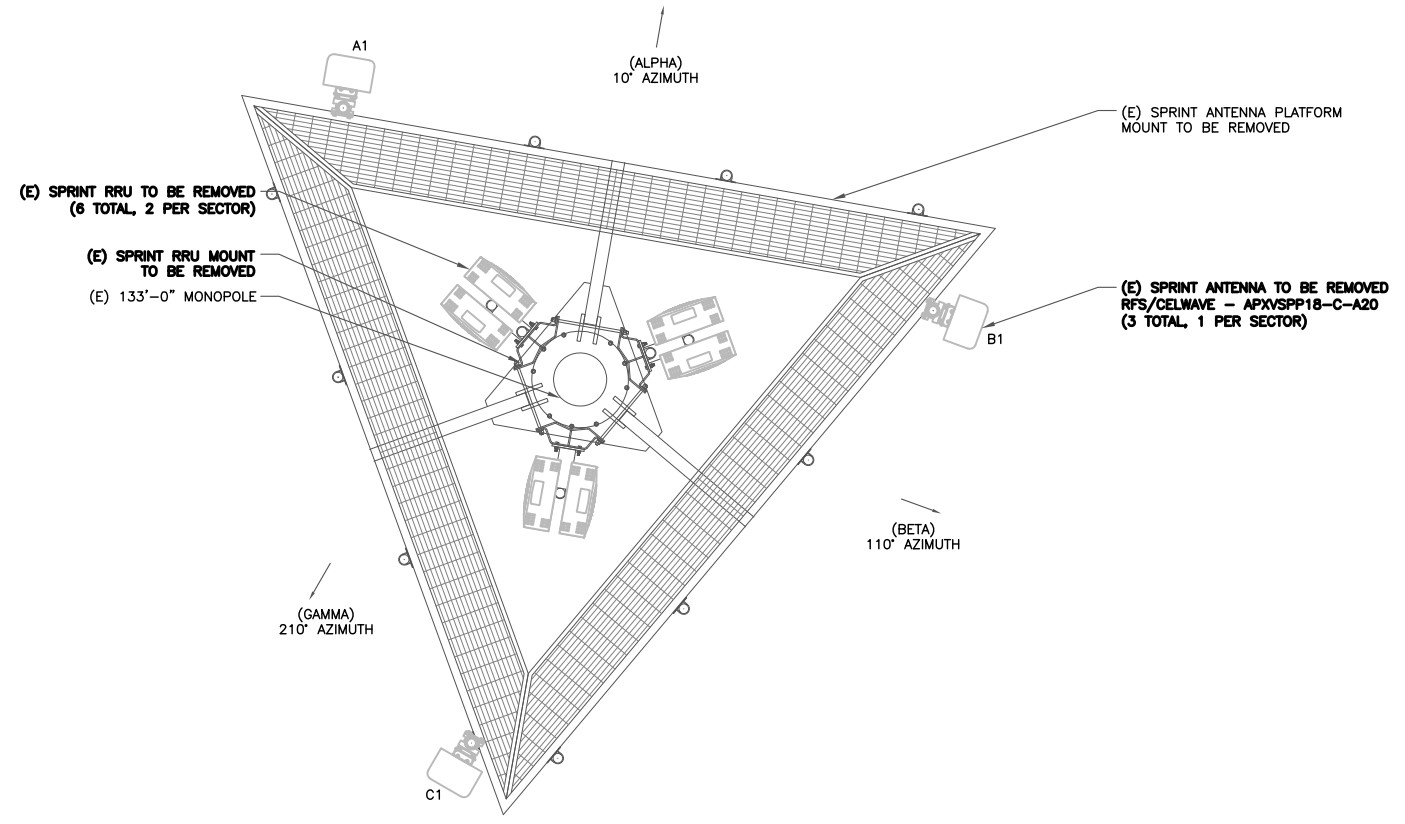


T-MOBILE EQUIPMENT
 ANTENNA CL: 120'-0"
 MOUNT CL: 121'-0"

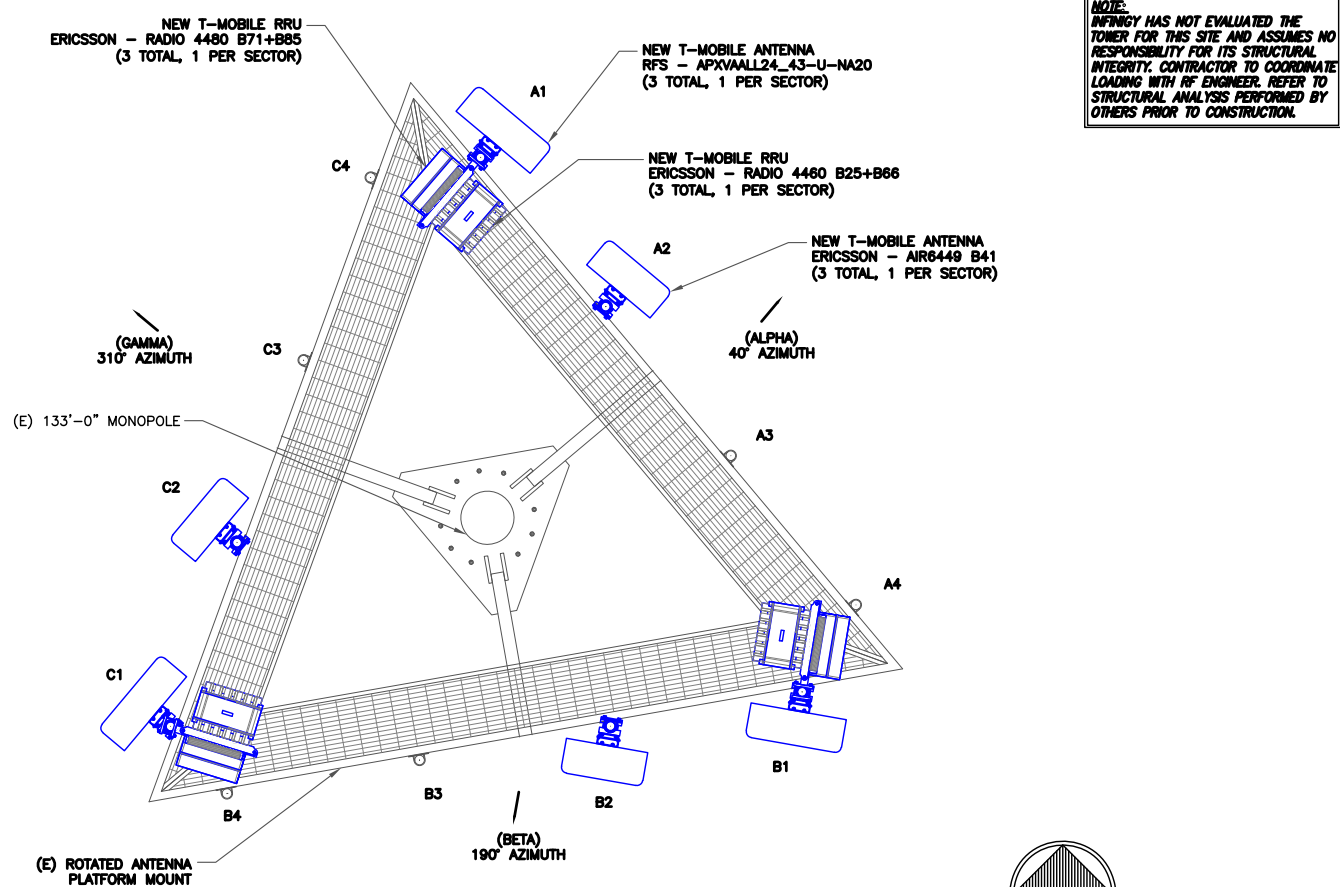
ANY AND ALL TOWER MOUNTED EQUIPMENT MUST NOT TRAP OR INTERFERE W/ EXISTING SAFETY CLIMB



1 FINAL ELEVATION
SCALE: NOT TO SCALE



2 EXISTING ANTENNA LAYOUT
SCALE: NOT TO SCALE



NOTE:
 INFINIGY HAS NOT EVALUATED THE TOWER FOR THIS SITE AND ASSUMES NO RESPONSIBILITY FOR ITS STRUCTURAL INTEGRITY. CONTRACTOR TO COORDINATE LOADING WITH RF ENGINEER. REFER TO STRUCTURAL ANALYSIS PERFORMED BY OTHERS PRIOR TO CONSTRUCTION.

3 FINAL ANTENNA LAYOUT
SCALE: NOT TO SCALE

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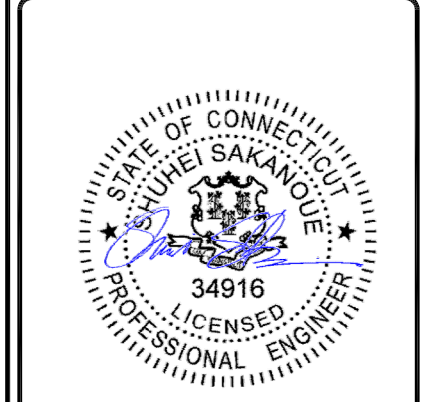
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BERLIN/LAVIANA ORCHARD

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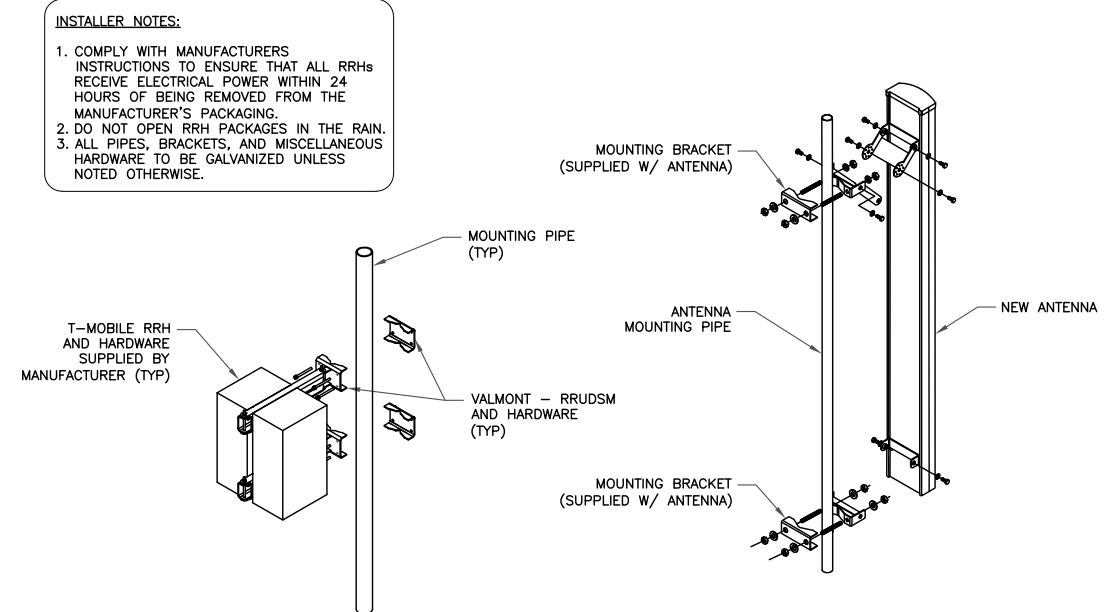
10/28/21

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SHEET NUMBER: **C-2** REVISION: **2**

ANTENNA SCHEDULE										
SECTOR	POS.	TECHNOLOGY	RAD CENTER	AZIMUTH	ANTENNA MANUFACTURER	ANTENNA MODEL	MECH. TILT	ELECT. TILT	TOWER MOUNTED EQUIPMENT	FEEDLINE TYPE
ALPHA	A1	L700, L800, N600, L1900, G1900, L2100	120°-0°	40°	RFS	APXVALL24_43-U-NA20	--	--	(1) ERICSSON - RRUS 4480 B71+B85 (1) ERICSSON - RRUS 4480 B25+B66	(4) 6X24 HCS HYBRID (SHARED)
ALPHA	A2	L2500, N2500	120°-0°	40°	ERICSSON	AIR6449 B41	--	--	--	
ALPHA	A3	--	--	--	--	--	--	--	--	
ALPHA	A4	--	--	--	--	--	--	--	--	
SECTOR	POS.	TECHNOLOGY	RAD CENTER	AZIMUTH	ANTENNA MANUFACTURER	ANTENNA MODEL	MECH. TILT	ELECT. TILT	TOWER MOUNTED EQUIPMENT	FEEDLINE TYPE
BETA	B1	L700, L800, N600, L1900, G1900, L2100	120°-0°	190°	RFS	APXVALL24_43-U-NA20	--	--	(1) ERICSSON - RRUS 4480 B71+B85 (1) ERICSSON - RRUS 4480 B25+B66	(4) 6X24 HCS HYBRID (SHARED)
BETA	B2	L2500, N2500	120°-0°	190°	ERICSSON	AIR6449 B41	--	--	--	
BETA	B3	--	--	--	--	--	--	--	--	
BETA	B4	--	--	--	--	--	--	--	--	
SECTOR	POS.	TECHNOLOGY	RAD CENTER	AZIMUTH	ANTENNA MANUFACTURER	ANTENNA MODEL	MECH. TILT	ELECT. TILT	TOWER MOUNTED EQUIPMENT	FEEDLINE TYPE
GAMMA	C1	L700, L800, N600, L1900, G1900, L2100	120°-0°	310°	RFS	APXVALL24_43-U-NA20	--	--	(1) ERICSSON - RRUS 4480 B71+B85 (1) ERICSSON - RRUS 4480 B25+B66	(4) 6X24 HCS HYBRID (SHARED)
GAMMA	C2	L2500, N2500	120°-0°	310°	ERICSSON	AIR6449 B41	--	--	--	
GAMMA	C3	--	--	--	--	--	--	--	--	
GAMMA	C4	--	--	--	--	--	--	--	--	

1 ANTENNA AND CABLE SCHEDULE
SCALE: NOT TO SCALE



2 ANTENNA WITH RRHs MOUNTING DETAIL
SCALE: NOT TO SCALE

NOTE:
1. CONTRACTOR SHALL INSTALL 3RD DUAL RRH MOUNT TO ACCOMMODATE ALL RRH BRACKETS HOLES IF NECESSARY.

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BU #: 876382
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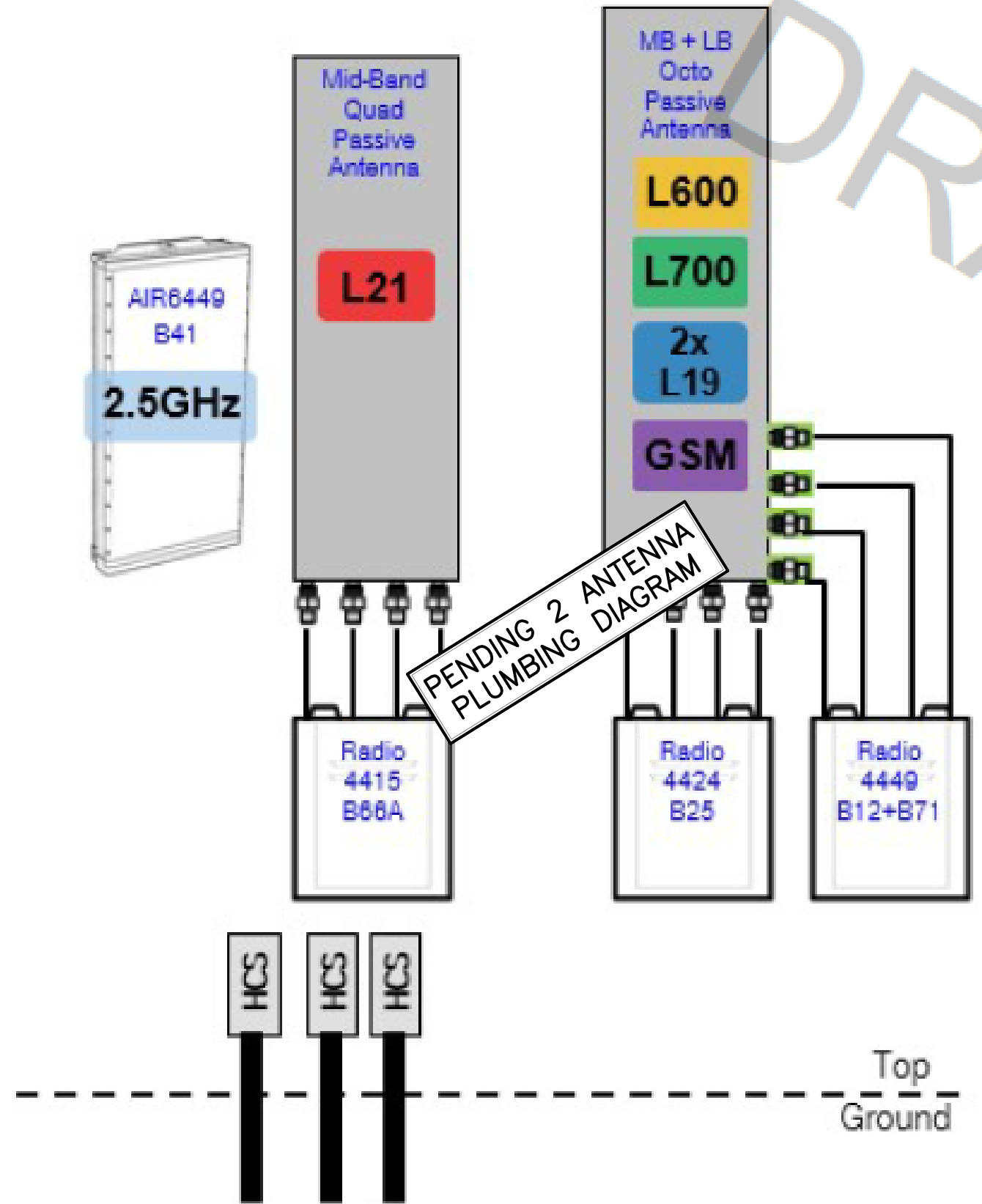
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STATE OF CONNECTICUT
SHUHEI SAKANQUE
34916
LICENSED PROFESSIONAL ENGINEER

10/28/21

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SHEET NUMBER: **C-3** REVISION: **2**



1 PLUMBING DIAGRAM
SCALE: NOT TO SCALE

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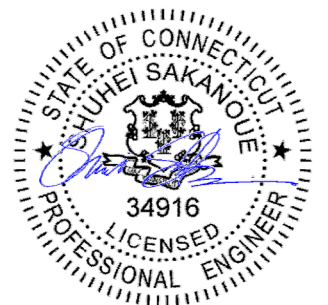
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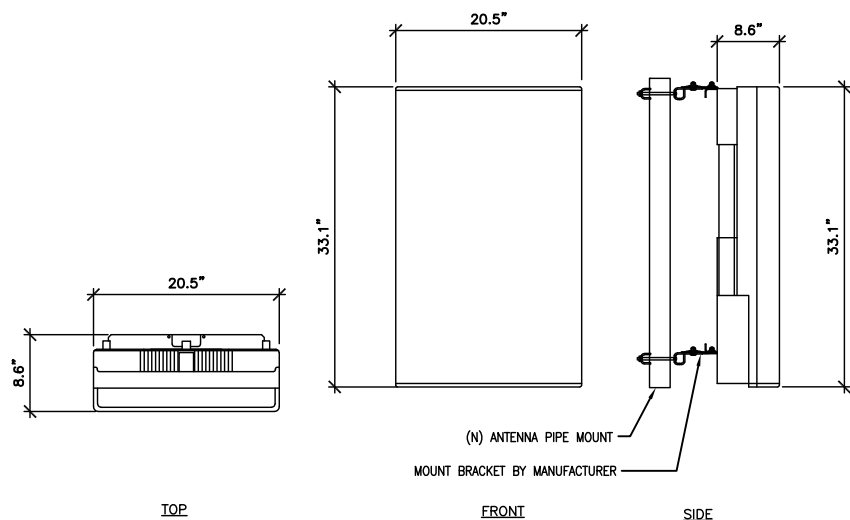
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C-4

REVISION:

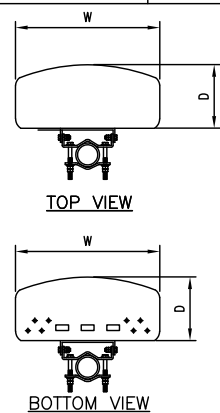
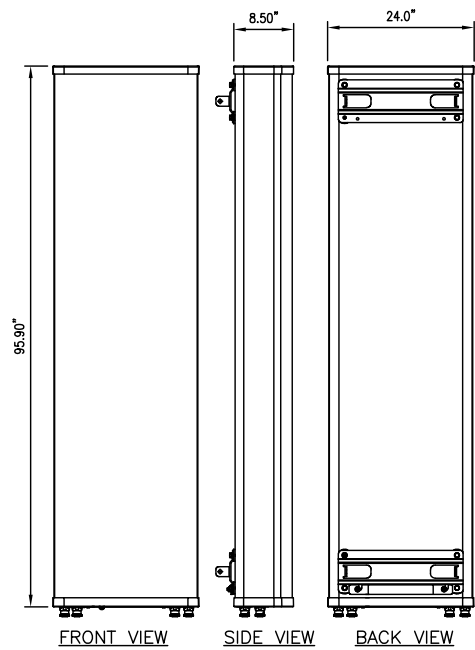
2

MANUFACTURER: ERICSSON
 MODEL: AIR6449 B41
 WEIGHT: 104 LBS (W/ MOUNT BRACKET 113)
 DIMENSIONS: 33.1"H. X 20.5"W. X 8.6"D.
 FREQUENCY: REFER TO RF DATA SHEET



1 (N) AIR6449 B41 ANTENNA SPEC
 SCALE: NOT TO SCALE

700MHz RFS ANTENNAS	
MODEL	WEIGHT (lb)
(8') APXVAALL24_43-UNA20	149.90
WEIGHT W/ MOUNTING BRACKET (lb):	154

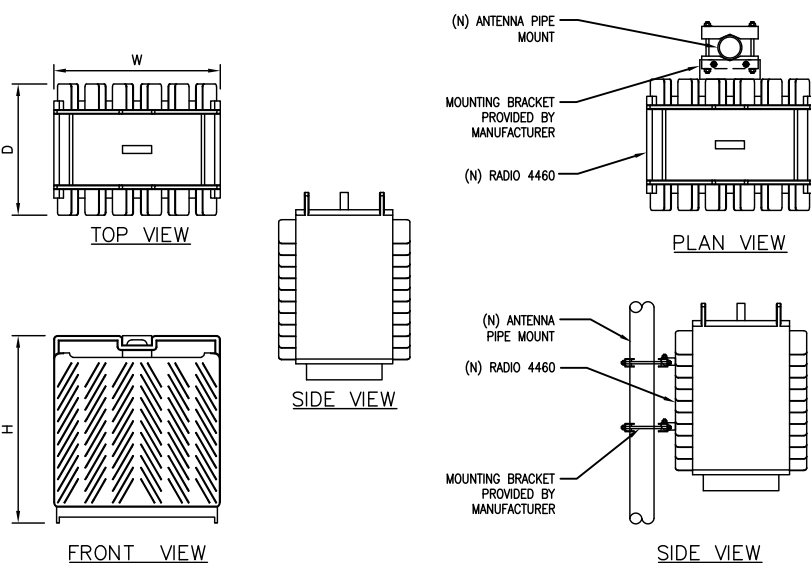
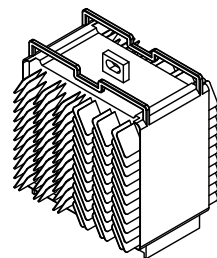


2 (N) APXVAALL24_43-UNA20 ANTENNA SPEC
 SCALE: NOT TO SCALE

3 NOT USED
 SCALE: NOT TO SCALE

ERICSSON RADIO-4460 B25 B66

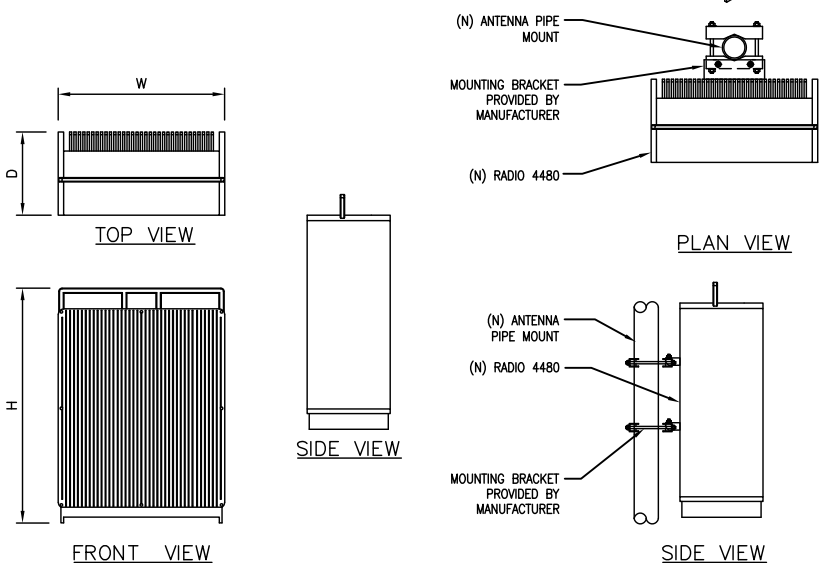
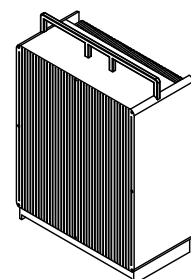
DIMENSIONS, WxDxH: 17.0"x15.1"x11.9"
 MAX OUTPUT POWER: 4x80W (2x(2x80W))
 TOTAL WEIGHT: 109 lbs
 TEMPERATURE: -40° TO 55° C



4 (N) RADIO 4460 SPEC
 SCALE: NOT TO SCALE

ERICSSON RADIO-4480 B71 B85

DIMENSIONS, WxDxH: 21.8"x15.7"x7.5"
 MAX OUTPUT POWER: 4x80W (2x(2x80W))
 TOTAL WEIGHT: 93 lbs
 TEMPERATURE: -40° TO 55° C



5 (N) RADIO 4480 SPEC
 SCALE: NOT TO SCALE

6 NOT USED
 SCALE: NOT TO SCALE

T-Mobile

35 GRIFFIN ROAD
 BLOOMFIELD, CT 06002

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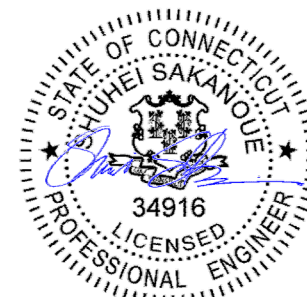
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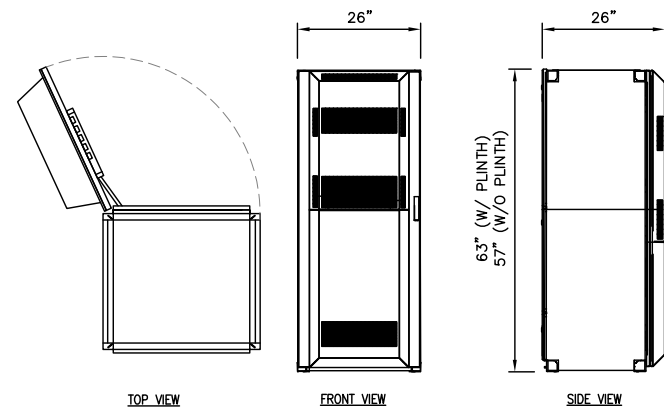
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C-5

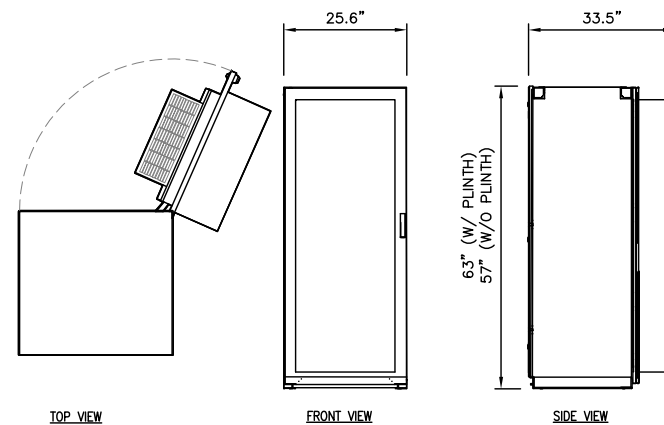
REVISION:

2



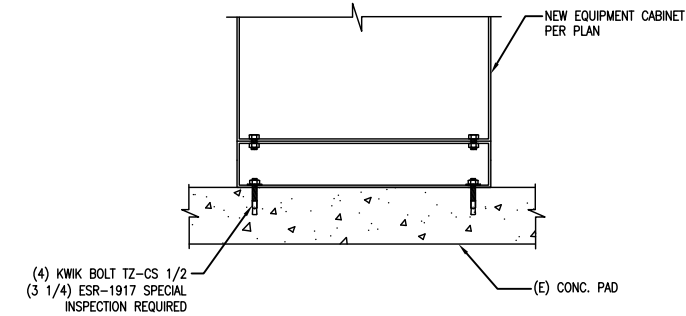
ERICSSON MODEL NO.:	B160
RACK SPACE:	19U
DIMENSIONS, HxWxD:	63"x26"x26" (W/ 6" PLINTH)
CABINET WEIGHT, EMPTY:	485 LBS
MAXIMUM WEIGHT:	2100± LBS

1 (N) B160 CABINET DETAIL
SCALE: NOT TO SCALE

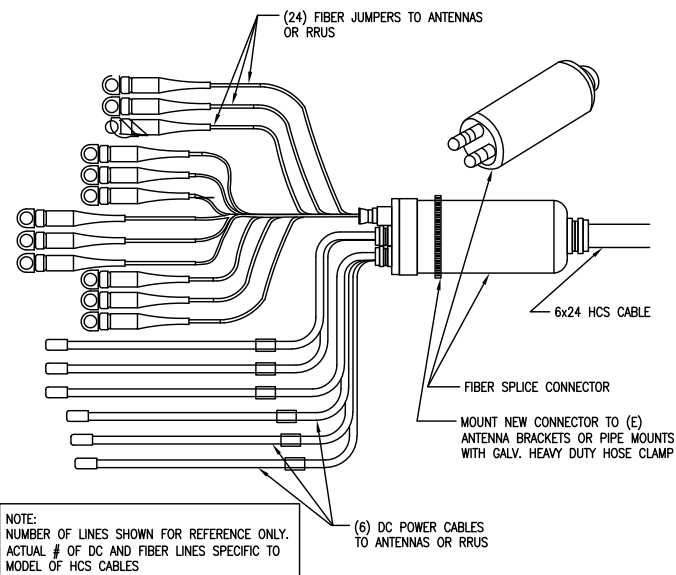


ERICSSON MODEL NO.:	6160
RACK SPACE:	19U
DIMENSIONS, HxWxD:	63"x25.6"x25.6" (W/ 6" PLINTH)
CABINET WEIGHT, EMPTY:	410 LBS
MAXIMUM WEIGHT:	770± LBS

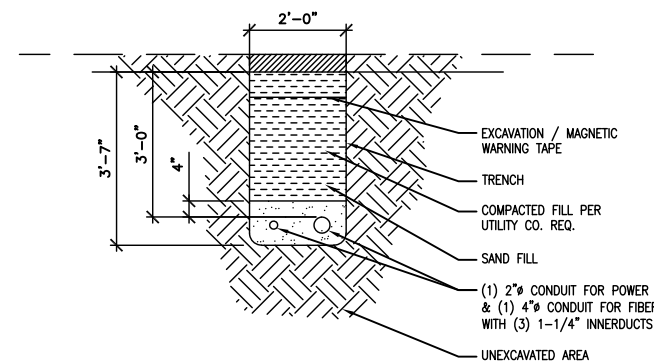
2 (N) 6160 CABINET DETAIL
SCALE: NOT TO SCALE



3 (N) EQUIPMENT CABINET MOUNTING DETAIL
SCALE: NOT TO SCALE



4 (N) 6X24 HCS CABLE DETAIL
SCALE: NOT TO SCALE



5 (N) CONDUIT TRENCH DETAIL
SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE

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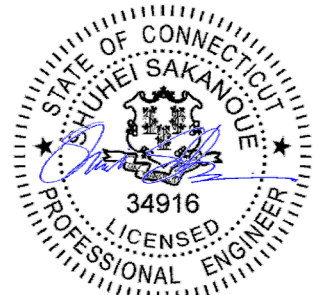
BU #: 876382
BERLIN/LAVIANA
ORCHARD

1684 CHAMBERLAIN
HIGHWAY
BERLIN, CT 6037

EXISTING 133'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	06/01/2021	RCD	FINAL	SS
1	06/04/2021	PEG	FINAL	SS
2	10/28/2021	TJ	SA REFERENCE	SS



10/28/21

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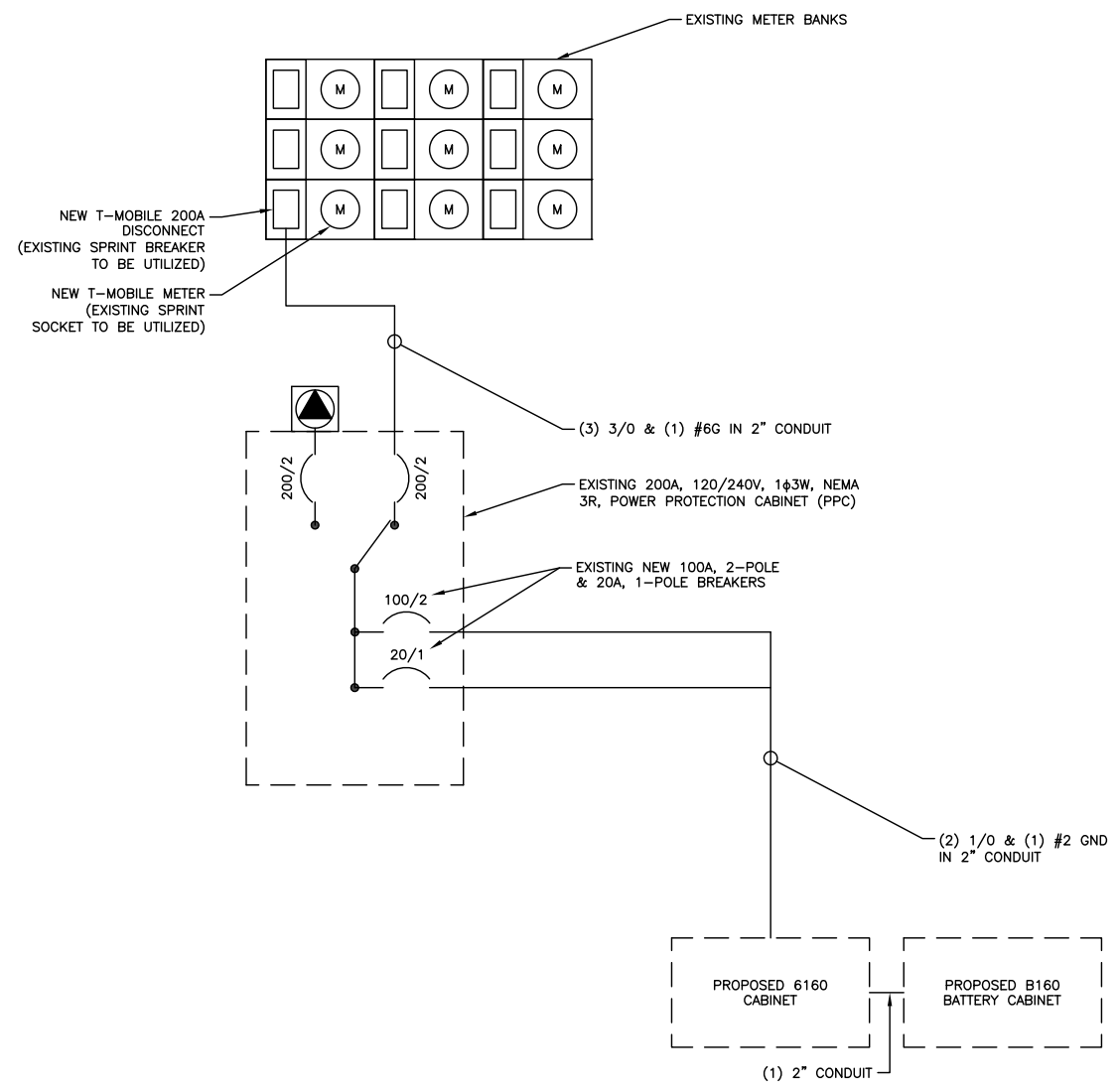
SHEET NUMBER: C-6
REVISION: 2

T-MOBILE PANEL SCHEDULE											
MAIN: 200A MAIN BREAKER			VOTAGE/PHASE: 120/240V, 1-PHASE, 3-WIRE				SHORT CIRCUIT CURRENT RATING: --				
MOUNTING: INSIDE PPC ENCLOSURE			ENCLOSURE: NEMA 3R				SURGE PROTECTION DEVICE: YES				
DESCRIPTION	LOAD (VA)	C or NC	C/B	CIR No.	PHASE LOADS (VA)		CIR No.	C/B	C or NC	LOAD (VA)	DESCRIPTION
					A	B					
RBS 6601	1000	C	100	1	1000		2	30	NC	0	GENERATOR
	1000	C		3		1000	4		NC	0	
6160	7000	C	100	5	7200		6	20	NC	200	TOWER LIGHTS
	7000	C		7		7200	8		NC	200	
6160 GFI	180	NC	20	9	360		10	20	NC	180	TELCO GFCI
BLANK				11		0	12				BLANK
				13		0	14				
				15		0	16				
				17		0	18				
				19		0	20				
				21		0	22				
				23		0	24				
BASE LOAD (VA) =					8560	8200	*INDICATES NEW LOAD. ALL OTHER LOADS ARE EXISTING.				
25% OF CONTINUOUS LOAD (VA) =					2050	2050	NEW BREAKER TO BE SAME TYPE AND HAVE SAME AIC RATING AS EXISTING. CUSTOMER HAS NOT PROVIDED LOADS FOR EQUIPMENT CABINETS THEREFORE THE CABINET LOADS SHOWN ARE ESTIMATED VALUES.				
TOTAL LOAD (VA) =					11610	10250					
TOTAL LOAD (A) =					89	86					

1 AC PANEL SCHEDULE
SCALE: NOT TO SCALE

NOTES:

- ALL NEW CONDUCTORS TO BE INSTALLED SHALL BE COPPER. ALL CONDUCTORS SHALL BE THHW, THWN, THWN-2, XHHW, OR XHHW-2 UNLESS NOTED OTHERWISE.
- CONTRACTOR IS TO FIELD VERIFY ALL EXISTING ITEMS SHOWN ON THE ELECTRICAL ONE-LINE DIAGRAM AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- ALL GROUNDING AND BONDING PER THE NEC.



2 ONE LINE DIAGRAM
SCALE: NOT TO SCALE

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STATE OF CONNECTICUT
SHUHEI SAKANQUE
34916
LICENSED PROFESSIONAL ENGINEER

10/28/21

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SHEET NUMBER: **E-1** REVISION: **2**

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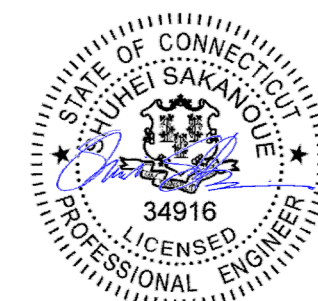
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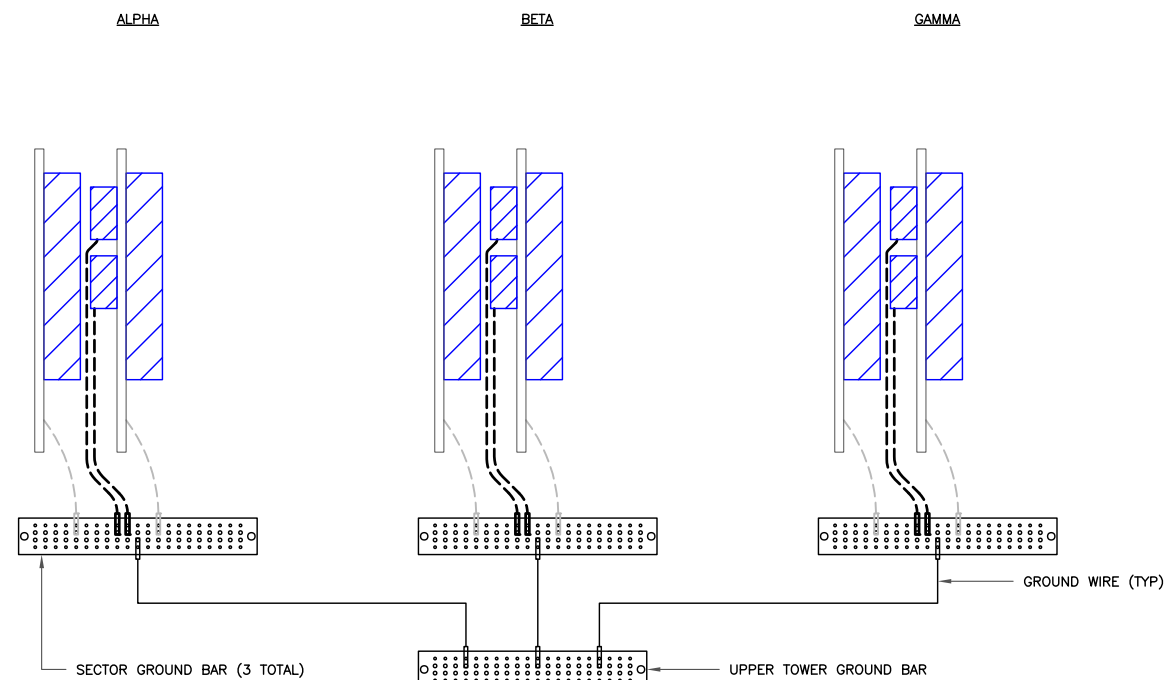
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SHEET NUMBER: REVISION:

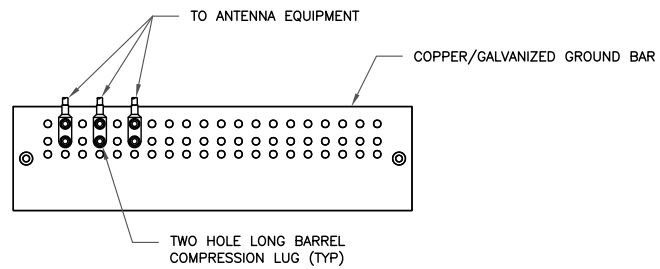
G-1

2



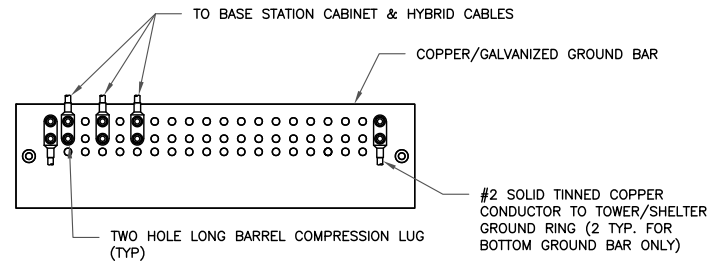
NOTE:
ALL NEW GROUNDS TO BE #6 STRANDED
COPPER WITH GREEN INSULATION UNLESS
NOTED OTHERWISE.

1 ANTENNA GROUNDING DIAGRAM
SCALE: NOT TO SCALE



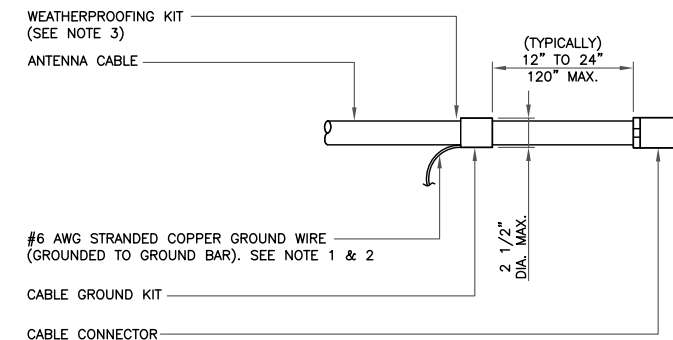
- NOTES:
1. DOUBLING UP "OR STACKING" OF CONNECTIONS IS NOT PERMITTED.
 2. EXTERIOR ANTIOXIDANT JOINT COMPOUND TO BE USED ON ALL EXTERIOR CONNECTIONS.
 3. GROUND BAR SHALL NOT BE ISOLATED FROM TOWER. MOUNT DIRECTLY TO ANTENNA MOUNT STEEL.

1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



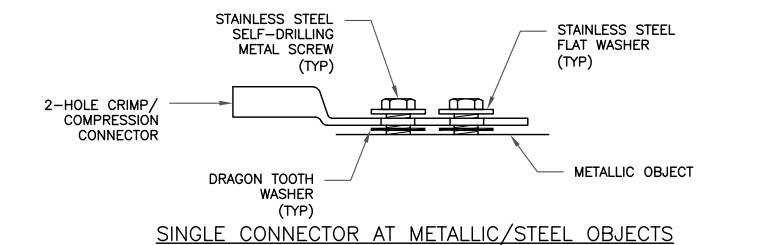
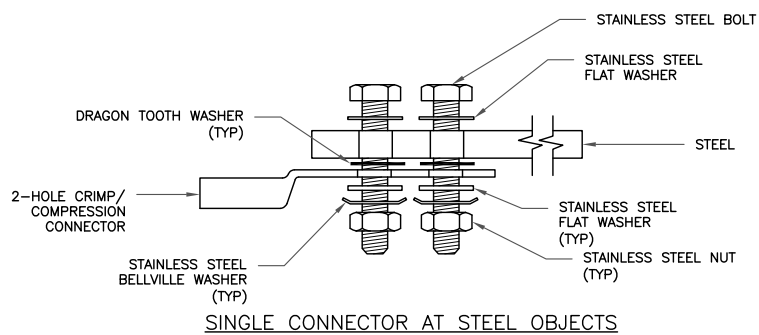
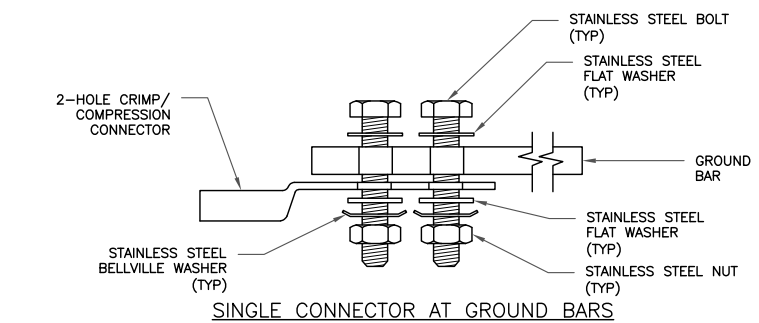
- NOTES:
1. EXTERIOR ANTIOXIDANT JOINT COMPOUND TO BE USED ON ALL EXTERIOR CONNECTIONS.
 2. GROUND BAR SHALL NOT BE ISOLATED FROM TOWER. MOUNT DIRECTLY TO TOWER STEEL (TOWER ONLY).
 3. GROUND BAR SHALL BE ISOLATED FROM BUILDING OR SHELTER.

2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE

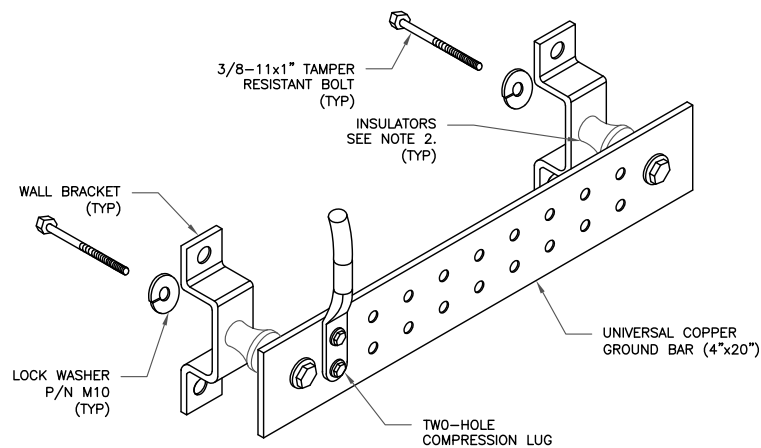


- NOTES:
1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
 2. GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
 3. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT, COLD SHRINK SHALL NOT BE USED.

3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



4 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



- NOTES:
1. DOWN LEAD (HOME RUN) CONDUCTORS ARE NOT TO BE INSTALLED ON CROWN CASTLE USA INC. TOWER, PER THE GROUNDING DOWN CONDUCTOR POLICY QAS-STD-10091. NO MODIFICATION OR DRILLING TO TOWER STEEL IS ALLOWED IN ANY FORM OR FASHION, CAD-WELDING ON THE TOWER AND/OR IN THE AIR ARE NOT PERMITTED.
 2. OMIT INSULATOR WHEN MOUNTING TO TOWER STEEL OR PLATFORM STEEL USE INSULATORS WHEN ATTACHING TO BUILDING OR SHELTERS.

5 GROUND BAR DETAIL
SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE

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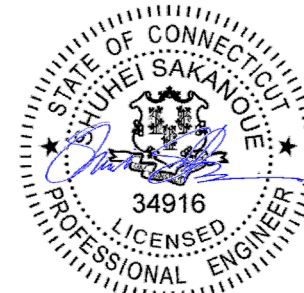
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SHEET NUMBER: **G-2** REVISION: **2**