

SMARTSKY SITE NUMBER: VA107A FEATHERSTONE **SMARTSKY SITE NAME:**

MONOPOLE SITE TYPE:

98'-6" TOWER HEIGHT:

CROWN CASTLE BU #: 842586

5722 WYANT LANE SITE ADDRESS: CHARLOTTESVILLE, VA 22903

ALBEMARLE **COUNTY:**

JURISDICTION: ALBEMARLE COUNTY

SMARTSKY FIRST TIME INSTALL

SITE INFORMATION

FEATHERSTONE

ALBEMARLE

CROWN CASTLE SITE NAME: SITE ADDRESS:

5722 WYANT LANE CHARLOTTESVILLE, VA 22903

COUNTY: MAP/PARCEL#:

07200-00-00-02100 AREA OF CONSTRUCTION: **EXISTING** 38° 1' 59.0" LATITUDE: -78° 41' 27.3" LONGITUDE: NAD83 LAT/LONG TYPE:

GROUND ELEVATION: 680.0 FT N/A**CURRENT ZONING:**

ALBEMARLE COUNTY **IURISDICTION:**

OCCUPANCY CLASSIFICATION: U TYPE OF CONSTRUCTION:

A.D.A. COMPLIANCE: FACILITY IS UNMANNED AND NOT FOR

HUMAN HABITATION LAWRENCE DAMON HOWELL

ZURICHSTRASSE 94 8700 KUSNACHT SWITZERLAND

TOWER OWNER: CCATT LLC

2000 CORPORATE DRIVE CANONSBURG, PA 15317

CARRIER/APPLICANT:

SMARTSKY 4690 FIRST FLIGHT DRIVE

CHARLOTTE, NC 28208

CROWN CASTLE APPLICATION ID:

PROPERTY OWNER:

368309

ELECTRIC PROVIDER: DOMINION POWER

(866) 366-4357

PROJECT TEAM

UNKNOWN

TELCO PROVIDER:

PROJECT DESCRIPTION

CONNECTIVITY AND CAPACITY TO THE EXISTING ELIGIBLE

• INSTALL (2) SECTOR MOUNTS

• INSTALL (6) PANEL ANTENNAS W/ SURGE PROTECTORS

• INSTALL (1) DISTRIBUTION PANEL

GROUND SCOPE OF WORK

5'-0"x5'-0" CONCRETE PAD

CROWNAE.APPROVAL@CROWNCASTLE.COM

CROWN CASTLE

CROWN CASTLE CONTACTS:

CROWN CASTLE A&E FIRM:

3530 TORINGDON WAY, SUITE 300 CHARLOTTE, NC 28277

2000 CORPORATE DRIVE

CANONSBURG, PA 15317

MIKE CHIRICO - PROJECT MANAGER

(919) 386-9514

BLAINE BROWN - CONSTRUCTION MANAGER

(703) 819-1080

AMANDA BROWN - A&E PROJECT MANAGER AMANDA.BROWN@CROWNCASTLE.COM

(704) 405-6575

SMARTSKY CONTACT: TAMMY WEST - PROGRAM MANAGER

(954) 261-9040

DRAWING INDEX

SHEET #	SHEET DESCRIPTION
T-1	TITLE SHEET
T-2	GENERAL NOTES
C-1	SITE PLAN & TOWER ELEVATION
C-2	ANTENNA PLANS AND SCHEMATIC
C-3	DETAILS
C-4	DETAILS
C-5	DETAILS
E-1	ELECTRICAL SCHEMATIC
G-1	GROUNDING DETAILS
G-2	GROUNDING DETAILS
G-3	GROUNDING DETAILS

ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR 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

THE PURPOSE OF THIS PROJECT IS TO ENHANCE BROADBAND

TOWER SCOPE OF WORK

• INSTALL (6) RRHs

• INSTALL (1) 7/8" HYBRID CABLE

• INSTALL NEW ICE BRIDGE

• INSTALL (1) SMARTSKY UTILITY FRAME

• INSTALL (1) SMARTSKY OUTDOOR CABINET ON A NEW

• INSTALL (1) GPS ANTENNA ON CABINET

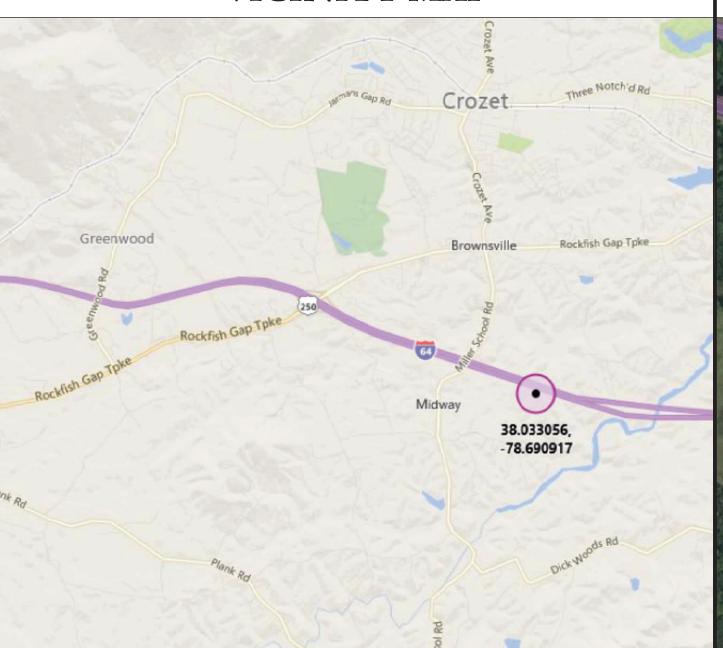
• INSTALL POWER & FIBER TO CABINET

DESIGN PACKAGE BASED ON THE APPLICATION ID: 368309

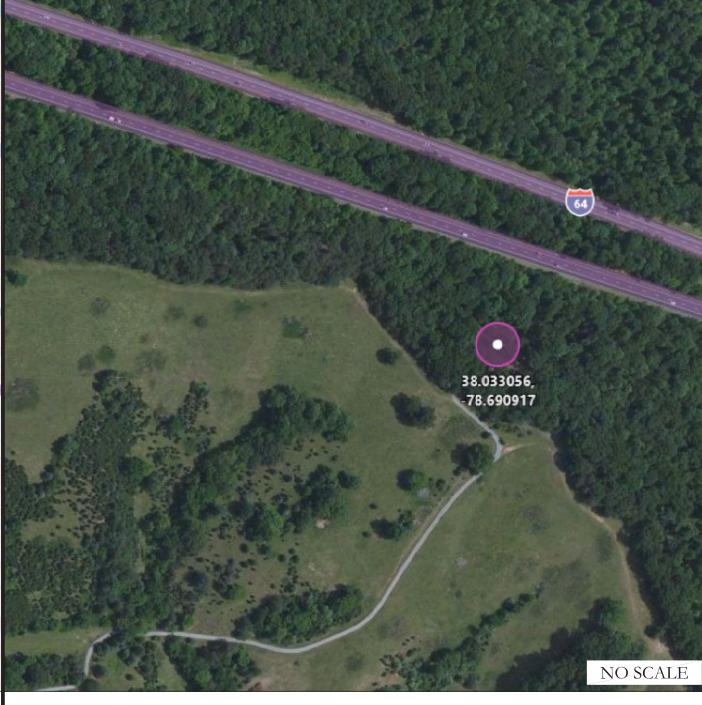
REVISION: 3

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.

VICINITY MAP



AERIAL MAP



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:

PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE

CROWN NOC AT 800-788-7011 & CROWN CONSTRUCTION MANAGER

BATESVILLE HISTORIC DISTRICT

CODE TYPE CODE

BUILDING **MECHANICAL** ELECTRICAL

2012 VA CONSTRUCTION CODE/2012 IBC W/ VA AMENDMENTS 2012 VA CONSTRUCTION CODE/2012 IMC W/ VA AMENDMENTS

2012 VA CONSTRUCTION CODE/2011 NEC W/ VA AMENDMENTS

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS: BY OTHERS

MOUNT ANALYSIS: BY OTHERS



CALL VIRGINIA ONE CALL CALL 3 WORKING DAYS BEFORE YOU DIG!







CHARLOTTE, NC 28208

SMARTSKY SITE NUMBER: **VA107A**

> BU #: **842586 FEATHERSTONE**

5722 WYANT LANE CHARLOTTESVILLE, VA 22903

EXISTING 98'-6" MONOPOLE

ISSUED FOR: DRWN DESCRIPTION

THIS DOCUMENT IS PRELIMINARY IN NATURE AND IS NOT A FINAL, SIGNED AND SEALED DOCUMENT

> Andrew Joseph Fandozzi III, P.E. Professional Engineer License: #053839 Crown Castle USA, Inc. COA #407005050

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

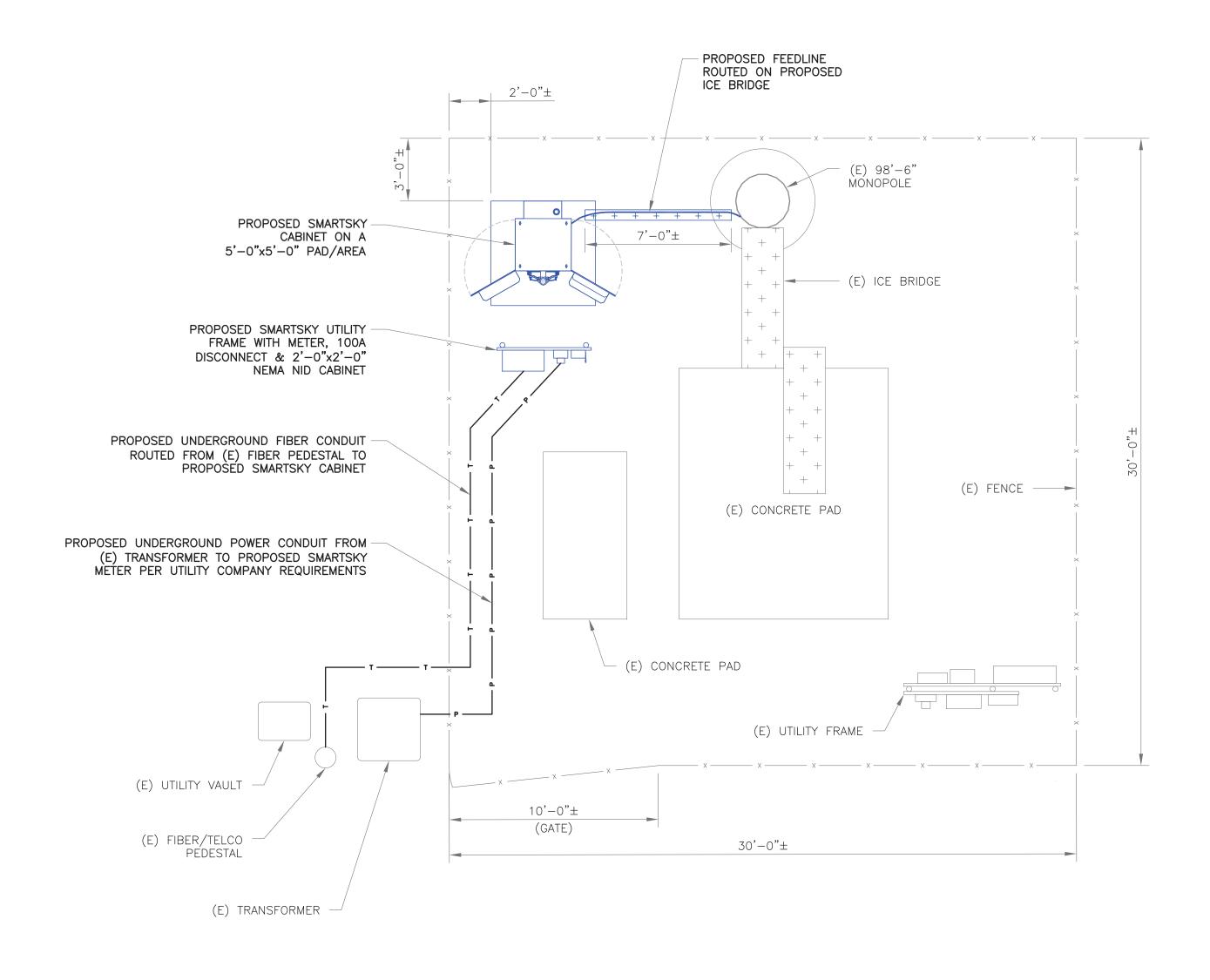
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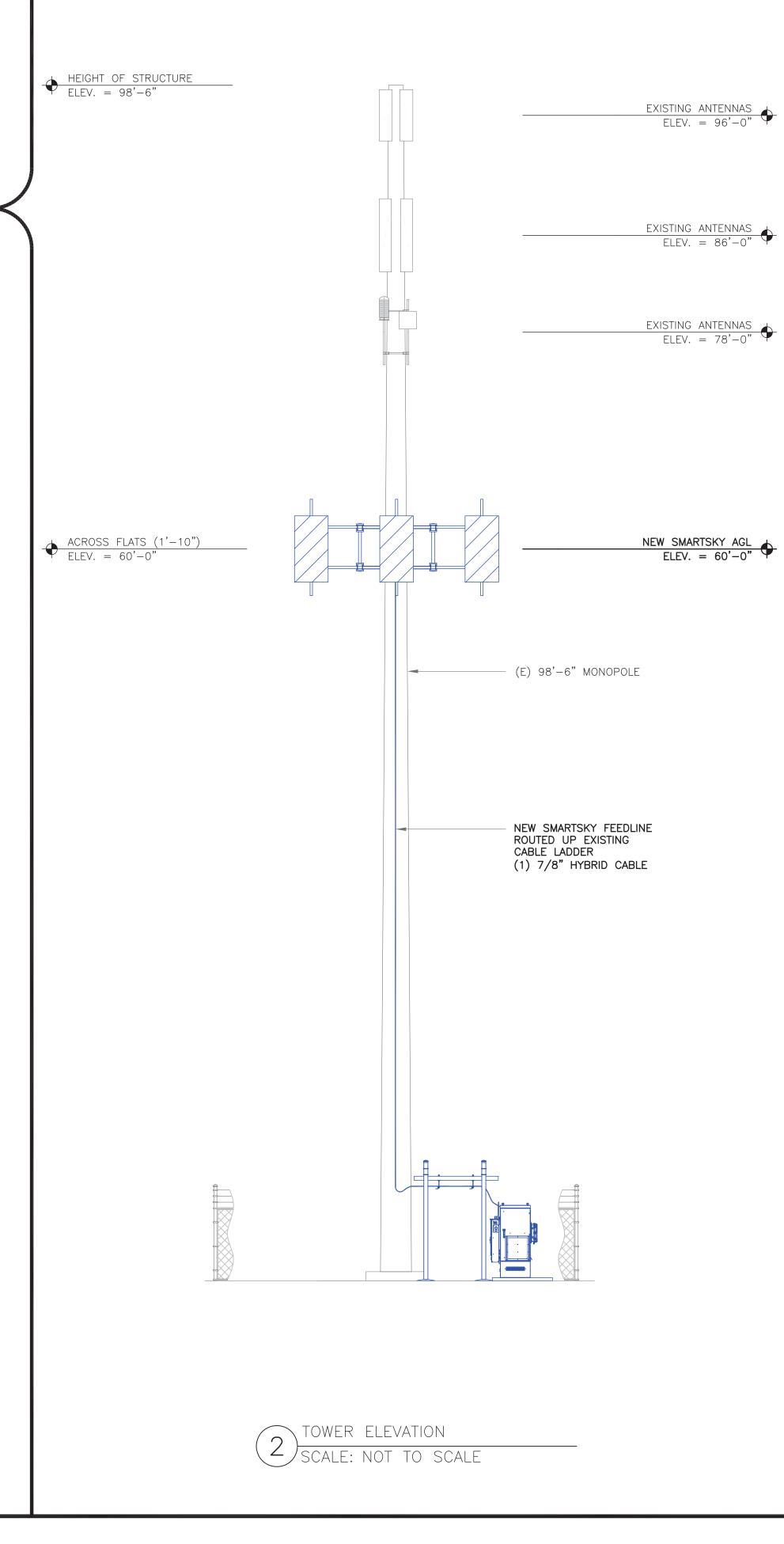


REVISION

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 CROWN CASTLE SPECIFICATIONS.
- 3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE CROWN CASTLE CONSTRUCTION MANAGER AND LOCAL UTILITY COMPANY FOR THE INSTALLATION OF CONDUITS, CONDUCTORS, BREAKERS, DISCONNECTS, OR ANY OTHER EQUIPMENT REQUIRED FOR ELECTRICAL SERVICE. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH LATEST EDITION OF THE STATE AND NATIONAL CODES, ORDINANCES AND REGULATIONS APPLICABLE TO THIS PROJECT.
- 4. USE EXISTING WAVEGUIDE LADDER/MOUNT FOR VERTICAL CABLE RUN WHERE FEASIBLE. COAX ATTACHMENT TO THE TOWER CANNOT BE INSTALLED ON THE CLIMBING LADDER. QUICK TIES ARE NOT AN ACCEPTABLE METHOD OF COAX ATTACHMENT.
- 5. INSTALLATION OF ICE BRIDGE SHALL NOT OBSTRUCT GPS ANTENNA ON TOP OF CABINET.
- 6. PULL BOX(S) ARE REQUIRED WHEN THE EQUIVALENT OF FOUR 90 BENDS, INCLUDING THE BENDS LOCATED AT AN OUTLET OR FITTING, ARE USED BETWEEN PULL POINTS; 150 FT OF CONDUIT LENGTH IS EQUIVALENT TO AN ADDITIONAL 90 DEGREES.







4690 FIRST FLIGHT DRIVE CHARLOTTE, NC 28208



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A	03/31/17	ТВ	PRELIMINARY	JM
No.				

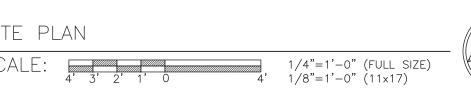
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SHEET NUMBER:

A



RF SCHEDULE & B.O.M.									
ITEM	MANUFACTURER	PART NUMBER	SUPPLIER	QUANTITY	LENGTH	RAD CENTER	AZIMUTH (TRUE NORTH)	MECH UP-TILT	COMMENTS
PANEL ANTENNA	CCI ANTENNAS	BFA8F-A5A	CUSTOMER	6	N/A	60'-0"	15°/45°/75°/105°/135°/165°	4.5° UP-TILT	_
RRH	HARRIS	RRH	CUSTOMER	6	N/A	60'-0"	N/A	-	_
DISTRIBUTION PANEL (1390)	RAYCAP	RHCDC-1390-PF-48	CUSTOMER	1	N/A	60'-0"	N/A	-	_
RRH DC SURGE SUPPRESSOR (3441)	RAYCAP	RHCDC-3441-P-48-NA	CUSTOMER	6	N/A	60'-0"	N/A	-	INLINE DC SURGE SUPPRESSION
HYBRID CABLE (FIBER & POWER)	EUCA HYBRID	78-12C6-24MM5	CUSTOMER	1	120'-0"±	60'-0"	N/A	-	_
FIBER JUMPER (1390 TO RRH)	EUPEN	HF2M900LCFA-A/A	CUSTOMER	6	29' (SEE NOTE 2)	60'-0"	N/A	-	2 FIBERS MULTI-MODE, LC/UPC
DC JUMPER (3441 TO RRH)	CHOGORI	11Z00116061701	CUSTOMER	6	15' (SEE NOTE 2)	60'-0"	N/A	-	2x14 AWG CONDUCTORS (B/W)
DC JUMPER (1390 TO 3441)	EUPEN	HP206	CUSTOMER	6	75' (SEE NOTE 2)	N/A	N/A	-	SPOOL OF 75' CUT TO LENGTH ON SITE

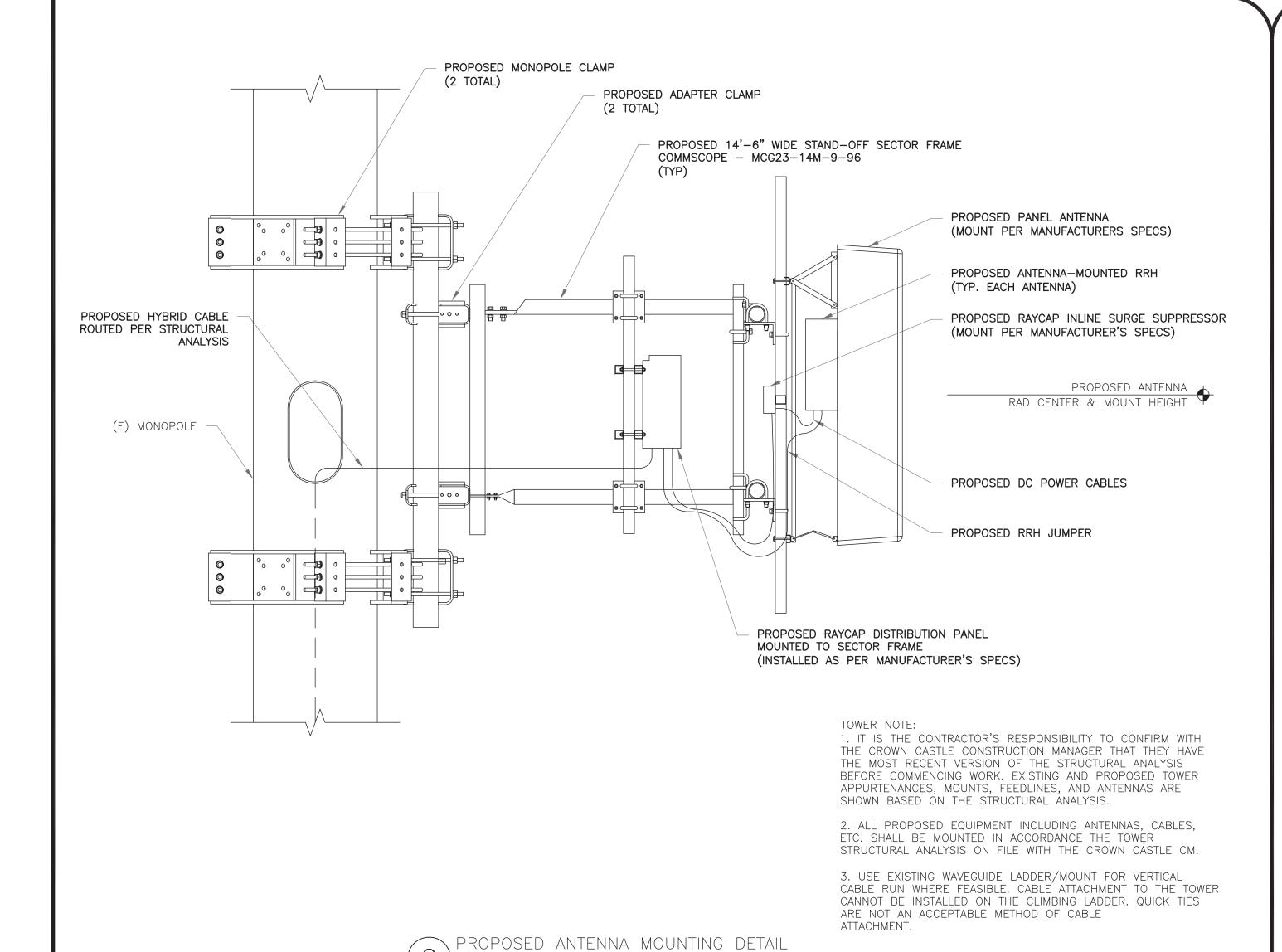
BASED ON APPROVED CROWN CASTLE APPLICATION DATED 01/26/2017. CONFIRM WITH CROWN CASTLE CONSTRUCTION MANAGER FOR APPLICABLE UPDATES/REVISIONS AND MOST RECENT RFDS.

. JUMPER AND DC POWER CABLE LENGTH SHOWN REFERS TO SHORTEST PRECUT LENGTH THAT WILL REACH RRH/INLINE SURGE SUPPRESSOR.

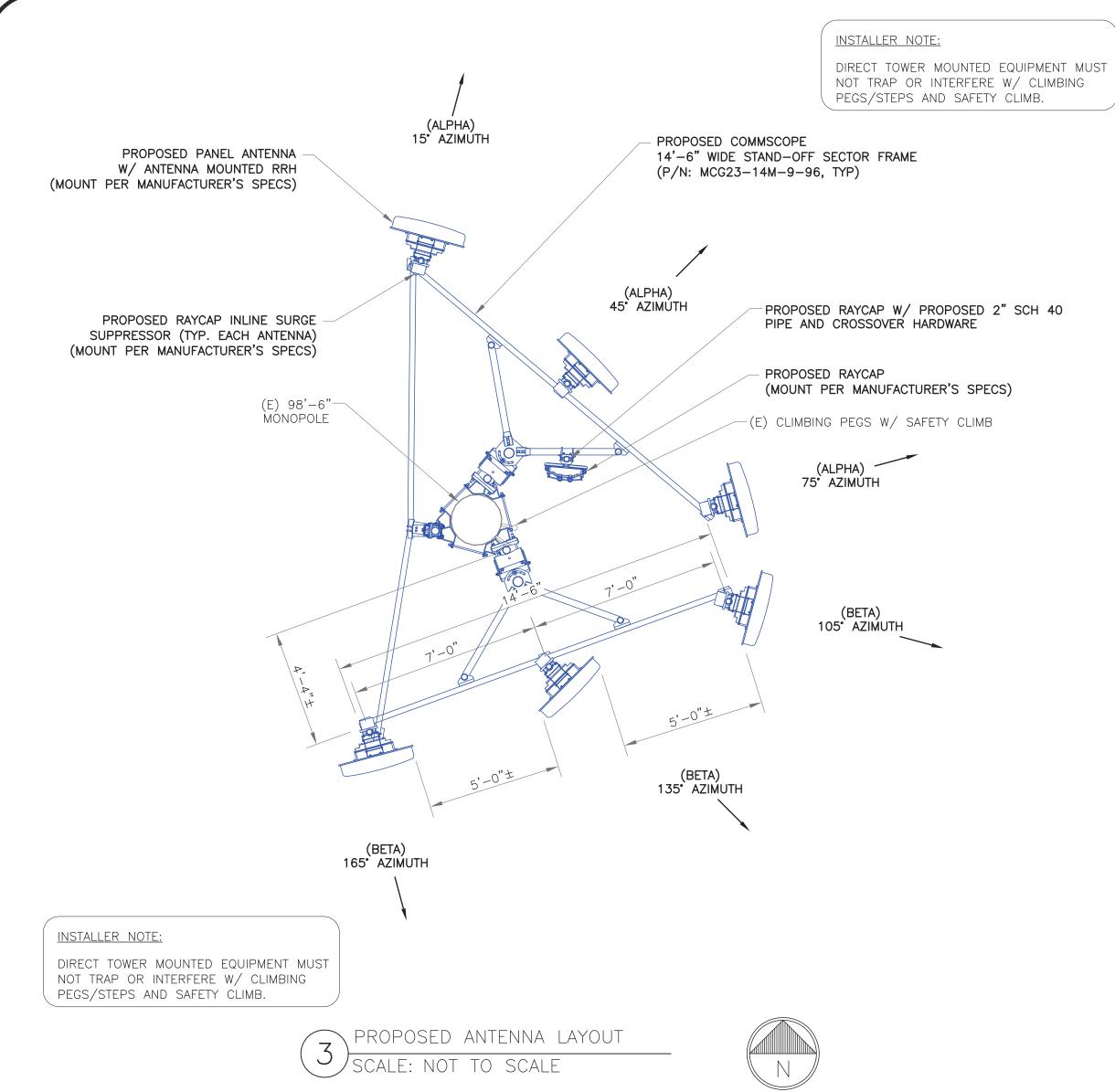
3. THE ANTENNAS LISTED IN THIS B.O.M. ARE ONLY USED TO REPRESENT A BASIS OF DESIGN DIMENSIONS FOR THE APPLICATION. THE CUSTOMER WILL PROVIDE ANTENNA MODELS AFTER PRELIMINARY DRAWINGS ARE

4. EXCESS COAX TO BE COILED.





2) SCALE: NOT TO SCALE





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