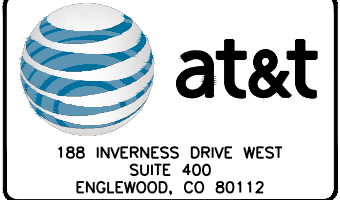


NOTES

1. THE EXISTING MONOPOLE IS CURRENTLY BEING ANALYZED BY OTHERS TO DETERMINE ITS STRUCTURAL CAPACITY TO CARRY THE PROPOSED NEW COAX & ANTENNAS. THESE DRAWINGS HAVE BEEN CREATED BASED ON THE ASSUMPTION THAT THE STRUCTURAL ANALYSIS WILL SHOW THAT THE MONOPOLE HAS SUFFICIENT CAPACITY TO SUPPORT THE PROPOSED NEW LOADS. INSTALLATION OF THE COAX & ANTENNAS SHALL NOT COMMENCE UNTIL AN APPROVED STRUCTURAL ANALYSIS HAS BEEN RECEIVED BY THE OWNER OR AT&T, & HAS BEEN REVIEWED BY BLACK & VEATCH.
2. A PASSING ANTENNA MOUNT ANALYSIS (CONFORMING TO TIA-222-H) FOR THE EXISTING MOUNT WAS COMPLETED BY TOWER ENGINEERING PROFESSIONALS ON 06/04/2024. ACCORDING TO THIS ANALYSIS, THE EXISTING MOUNT HAS SUFFICIENT CAPACITY TO SUPPORT THE LOADING INDICATED.

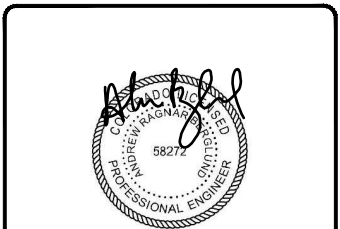
COAX & CABLE INFORMATION

- ALL EXISTING CABLES/COAX TO REMAIN UNLESS NOTED OTHERWISE
- (3) EXISTING 2" INNERDUCTS
- (6) EXISTING BAWG DC TRUNKS
- (3) EXISTING 18 PAIR FIBER TRUNKS
- (5) EXISTING 7/8" COAX CABLES



PROJECT#:	340216
DRAWN BY:	AVR
CHECKED BY:	KOO
RFDS:	N/A

REV	DATE	DESCRIPTION
0	07/30/24	ISSUED FOR CONSTRUCTION
A	07/02/24	ISSUED FOR REVIEW



July 30, 2024

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.

POWERS & STETSON
 HILL SITE #2023
 COLO2023
 6135 TEMPLETON GAP RD
 COLORADO SPRINGS, CO 80918
 NOKIA MARKETS MODERNIZATION

SHEET TITLE
ELEVATIONS

SHEET NUMBER
C-3

86'-0"±
T/APPERTENANCE

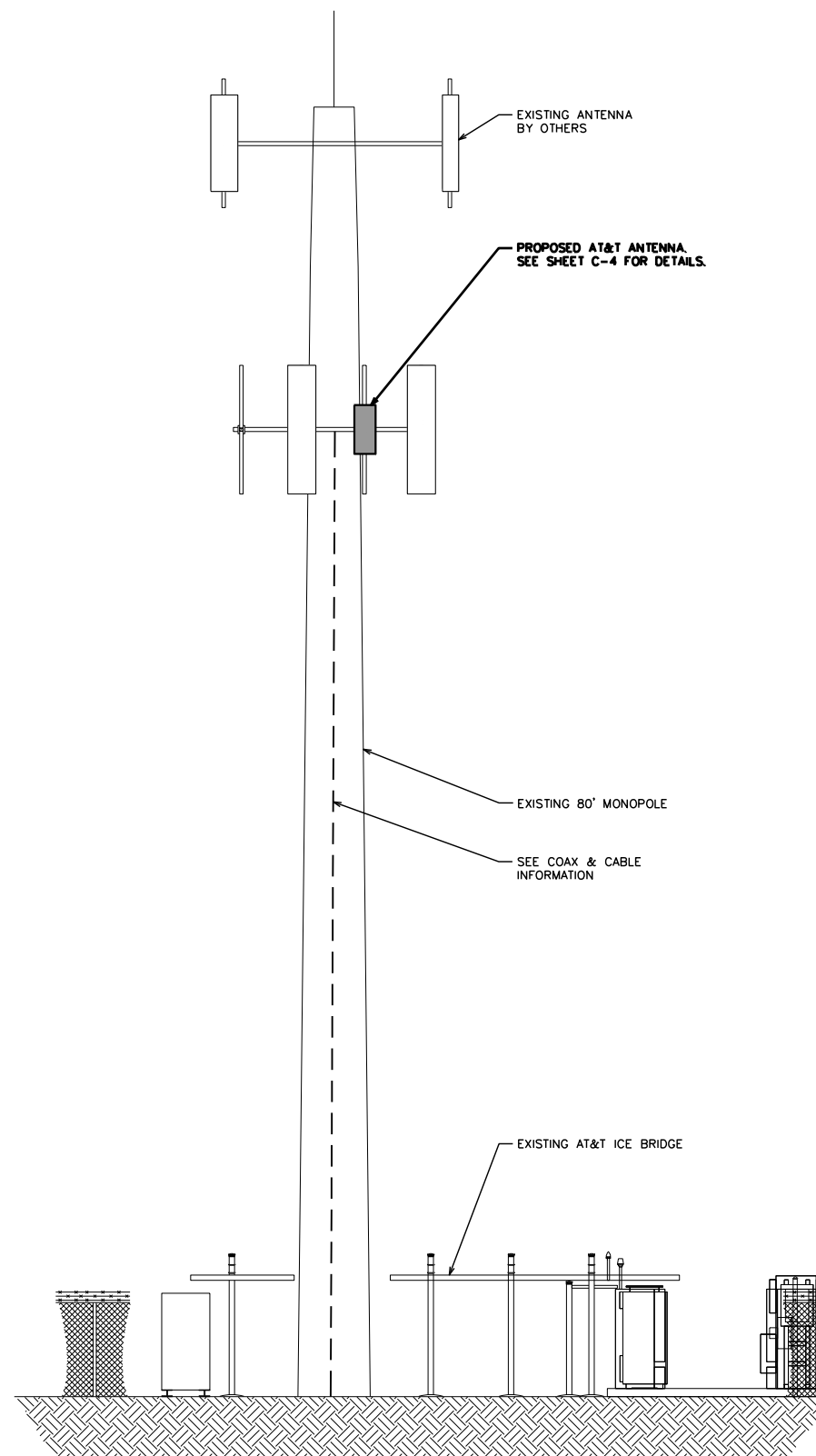
80'-0"±
T/TOWER

64'-0"±
TIP/AT&T ANTENNAS

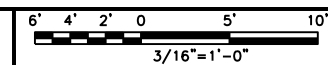
60'-0"±
E/AT&T ANTENNAS

60'-0"±
E/AT&T T-ARM MOUNTS

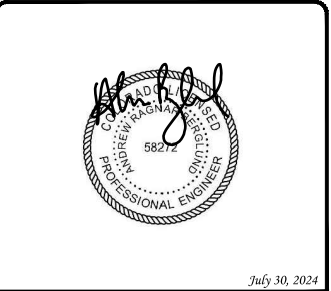
0'-0"±
T/CONCRETE



FINAL NORTH ELEVATION



REV	DATE	DESCRIPTION
0	07/30/24	ISSUED FOR CONSTRUCTION
A	07/02/24	ISSUED FOR REVIEW



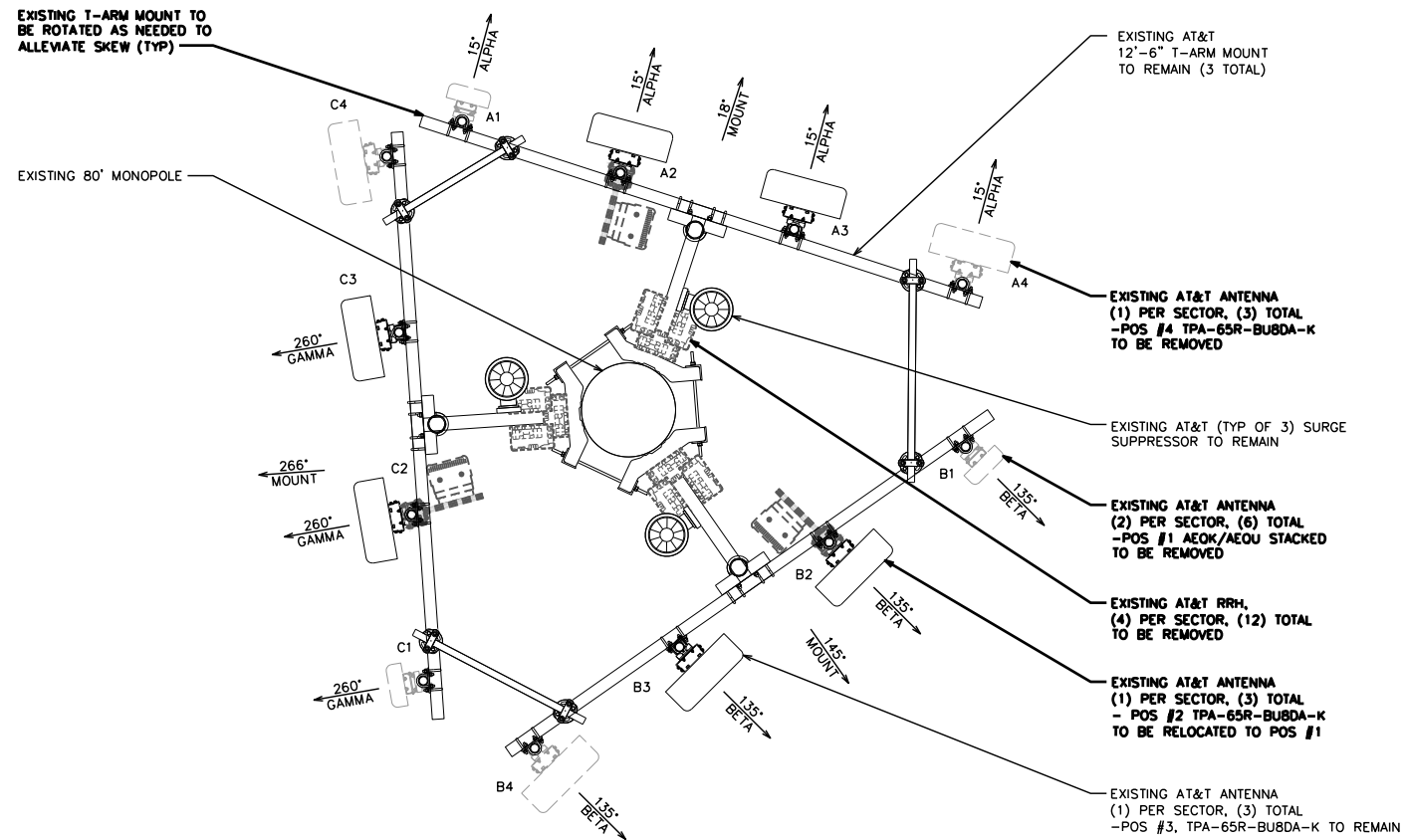
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POWERS & STETSON
HILL SITE #2023
COLO2023
6135 TEMPLETON GAP RD
COLORADO SPRINGS, CO 80918
NOKIA MARKETS MODERNIZATION

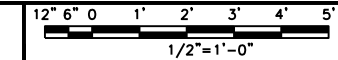
SHEET TITLE
ANTENNA LAYOUTS

SHEET NUMBER

C-4



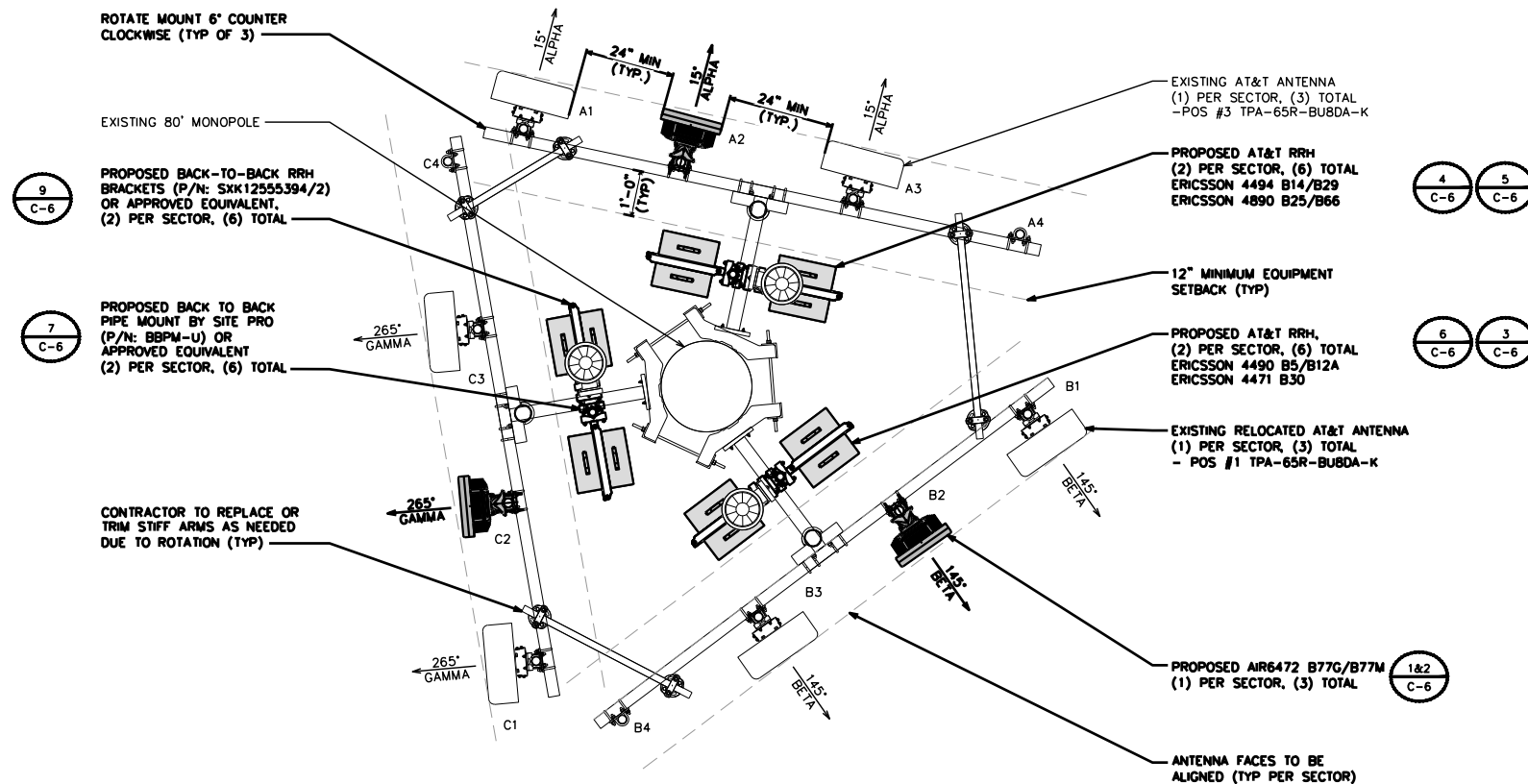
EXISTING ANTENNA LAYOUT



NOTE

1. THE EXISTING MONOPOLE IS CURRENTLY BEING ANALYZED BY OTHERS TO DETERMINE ITS STRUCTURAL CAPACITY TO CARRY THE PROPOSED NEW COAX & ANTENNAS. THESE DRAWINGS HAVE BEEN CREATED BASED ON THE ASSUMPTION THAT THE STRUCTURAL ANALYSIS WILL SHOW THAT THE MONOPOLE HAS SUFFICIENT CAPACITY TO SUPPORT THE PROPOSED NEW LOADS. INSTALLATION OF THE COAX & ANTENNAS.
2. A PASSING ANTENNA MOUNT ANALYSIS (CONFORMING TO TIA-222-H) FOR THE EXISTING MOUNT WAS COMPLETED BY TOWER ENGINEERING PROFESSIONALS ON 06/04/2024. ACCORDING TO THIS ANALYSIS, THE EXISTING MOUNT HAS SUFFICIENT CAPACITY TO SUPPORT THE LOADING INDICATED.
3. SECTOR MOUNTS TO BE ROTATED AS NEEDED TO ALLEVIATE SKEW
4. ANTENNA PIPE MOUNTS TO BE EVENLY SPACED (PER SECTOR). ENSURE 24" SPACING IS MAINTAINED BETWEEN ANTENNAS.

NOTE:
GENERAL CONTRACTOR TO INSTALL DCP18-K PIPE TO PIPE CLAMP SETS AS REQUIRED TO ENSURE ANTENNA FACE PLANE IS IN ALIGNMENT WITH OTHER ANTENNAS.



PROPOSED ANTENNA LAYOUT

MACRO BUILD STANDARDS NOTES
(UNLESS EXCEPTION HAS BEEN GRANTED):

1. GC TO INSTALL ANTENNAS WITHIN 2" COMMON ANTENNA FACE PLANE, UTILIZE DCP KITS AS NEEDED.
2. GC SHALL NOT INSTALL ANY EQUIPMENT WITHIN 12" OF REAR HORIZONTAL MEMBER.
3. MAST PIPES SHALL BE SPACED PER MBS STANDARDS, REFERENCE SHEET C-6.3.
4. UNLESS NOTED ON CDS, CORNER TO CORNER PIPE SPACING SHALL BE IN COMPLIANCE WITH MBS STANDARDS UNLESS EXCEPTION GRANTED, REFERENCE SHEET C-6.3.
5. AT&T APPROVED MBS EXCEPTIONS DURING SCOPING ARE LISTED ON DE130 SCOPING NOTES FOUND AT END OF CD SET.

