

- 1.0 GENERAL NOTES
 - 1.1 ALL IMPERIAL DIMENSIONS ARE IN BRACKETS [X.XX]
- 2.0 DESIGN NOTES
- 3.0 MANUFACTURING/SPECIAL REQUIREMENTS
- 4.0 TEST
- 5.0 PACKAGING
 - 5.1 PACKAGING SHALL MEET COMMSCOPE REQUIRMENTS PER DOCUMENT IS-PL-3005

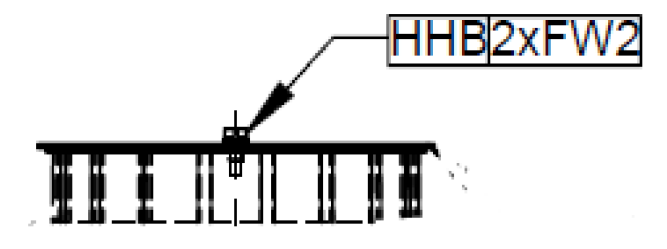
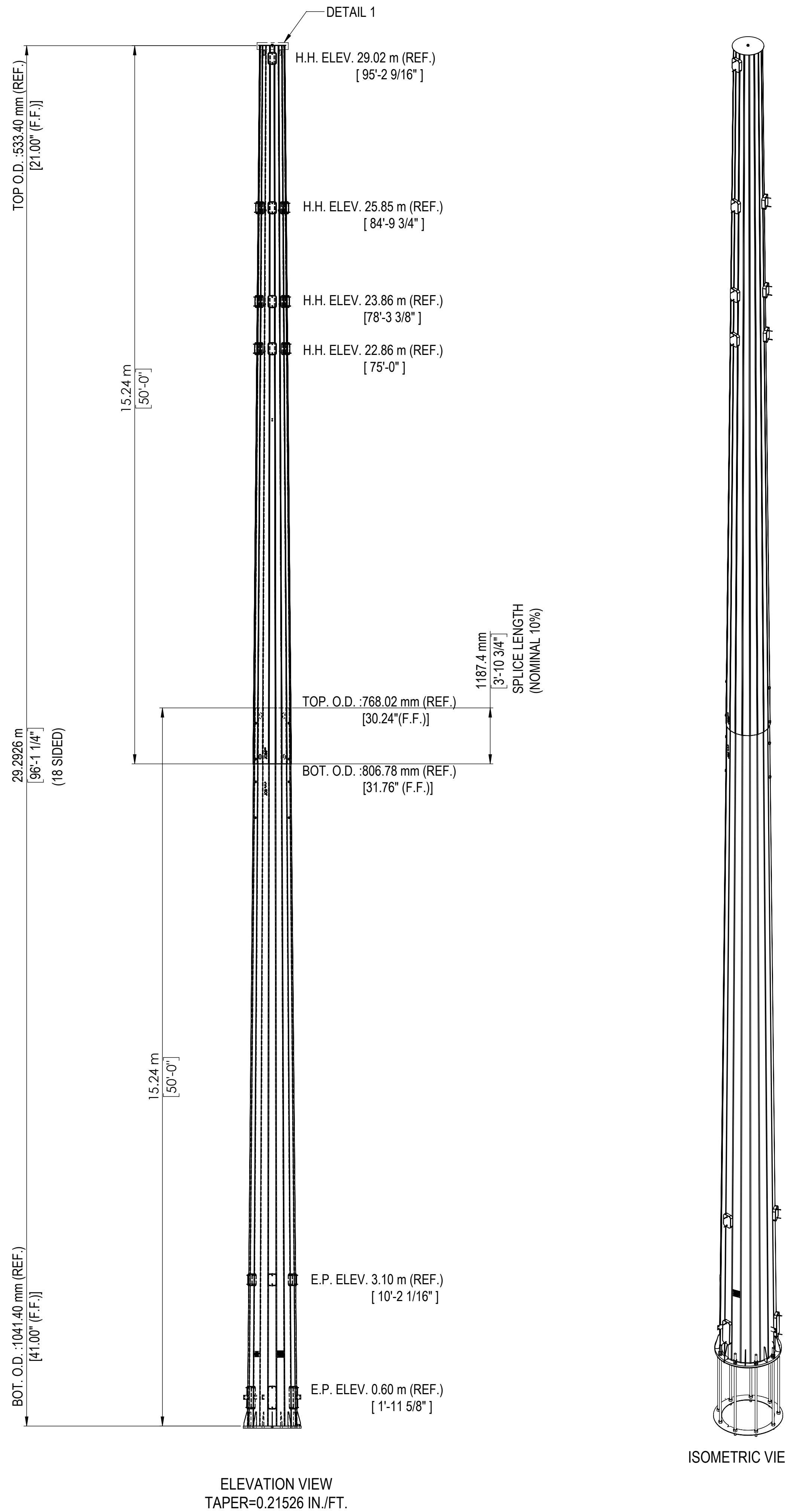
THIS STANDARD DEFINES THE STANDARD PROCEDURE FOR JACKING SLIP-FIT POLES TOGETHER.

1. POLE ASSEMBLY SHOULD BE ONE ON THE GROUND. ASSEMBLY OF THE POLE IN THE AIR, IN A VERTICAL FASHION, IS NOT RECOMMENDED.
2. ALIGN THE SECTIONS PROPERLY. THERE IS A 2" LONG WELD ON THE MATCHING CORNERS OF EACH SECTION. LINE THEM UP FOR PROPER SECTION ALIGNMENT.
3. THERE ARE TWO SETS OF JACKING NUTS (TWO IN EACH SET) WELDED TO EACH SECTION. SLIP THE SECTIONS TOGETHER SO THE JACKING NUTS RUN ALONG THE POLE IN-LINE AND HORIZONTALLY THIS WILL PROVIDE ADEQUATE SPACE FOR THE JACKING EQUIPMENT AND IT WILL ENSURE PROPER ALIGNED.
4. THERE ARE SEVERAL ACCEPTABLE TYPES OF EQUIPMENT FOR PULLING THE SECTIONS TOGETHER: HYDRAULIC JACKS, CHAIN HOIST OR TURNBUCKLES . REGARDLESS OF THE EQUIPMENT USED, HOWEVER , JACKING PLATES MUST BE USED. FOUR JACKING PLATES ARE REQUIRED (ONE PLATE PER SECTION). THE JACKING PLATE SHOULD BE BOLTED TO BOTH JACKING NUTS AND THE LOAD SHOULD BE APPLIED TO THE JACKING PLATES . THE GOAL IS TO INSURE THAT THE BOTH JACKING NUTS ON EACH SECTION CARRY THE JACKING LOAD.
5. EACH SECTION SHOULD BE BLOCKED UP OFF THE GROUND. LUBRICATION SHOULD BE APPLIED TO THE MALE SECTION TO AID IN SLIPPING PROCESS. LIQUID DISH WASHING DETERGENT IS PREFERRED. DO NOT USE OIL BASED LUBRICANTS. THEY WILL BE DIFFICULT, IF NOT IMPOSSIBLE, TO REMOVE.
6. THE JACKING DEVICES SHOULD BE ATTACHED AFTER THE SECTIONS HAVE BEEN BROUGHT TOGETHER AS FAR AS POSSIBLE. THE MINIMUM AND MAXIMUM JACKING FORCES APPEAR IN THE ATTACHED TABLE. DURING THE JACKING PROCESS THE SECTIONS SHOULD BE WORKED UP AND DOWN TO HELP "WALK" THE FEMALE SECTION ON TO THE MALE SECTION.

NOTE:
IF THE MINIMUM SPLICE LENGTH CANNOT BE ACHIEVED, OR IF THERE ARE VISIBLE GAPS (IN EXCESS OF 3/16" ON OPPOSITE FLATS) AFTER THE SECTIONS PASS MAXIMUM SLIP -- COMMSCOPE SHOULD BE CONTACTED BEFORE PROCEEDING WITH THE ERECTION. UNDER NO CIRCUMSTANCE SHOULD THE STRUCTURE BE ERECTED OR LOADED IF THESE CONDITIONS EXIST.

RECOMMENDED JACKING FORCES		
MINIMUM PLATE THICKNESS (INCHES)	MINIMUM JACKING FORCE PER SIDE (POUNDS)	MAXIMUM JACKING FORCE PER SIDE (POUNDS)
3/16	19000	25800
1/4	26800	32700
5/16	34700	42000
3/8	42500	47500
7/16 and Above	48000	52000

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	DM1121 15MAY23	LX1002 40171792CMO
B	CREATED 860670691-030 BOM	DM1121 21JUN23	LX1002 40173889CMO

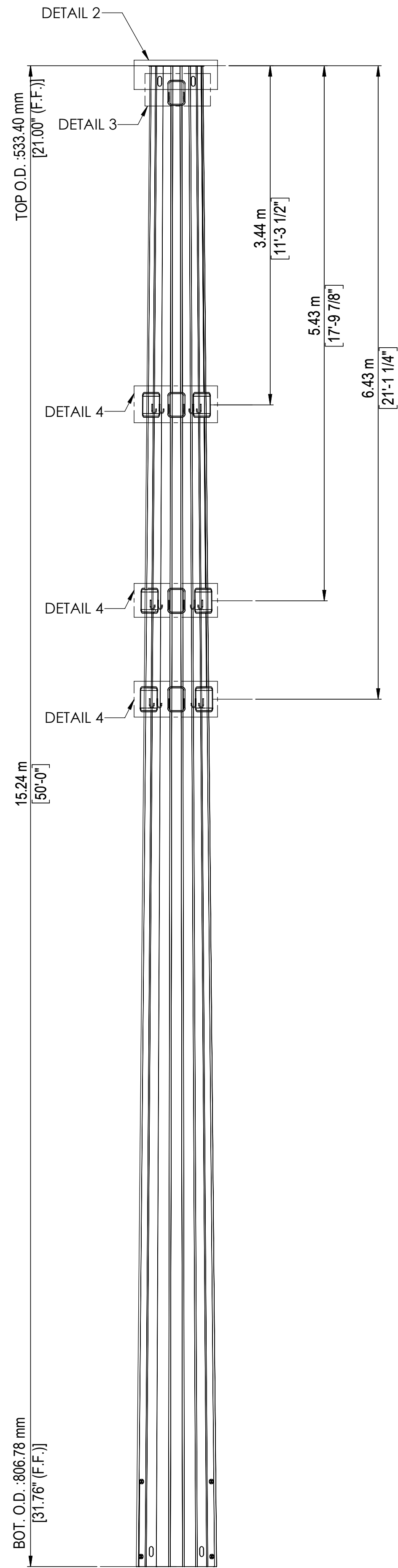
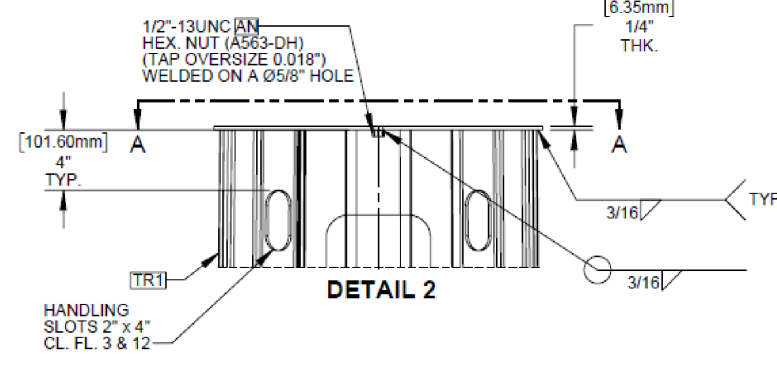


DETAIL 1

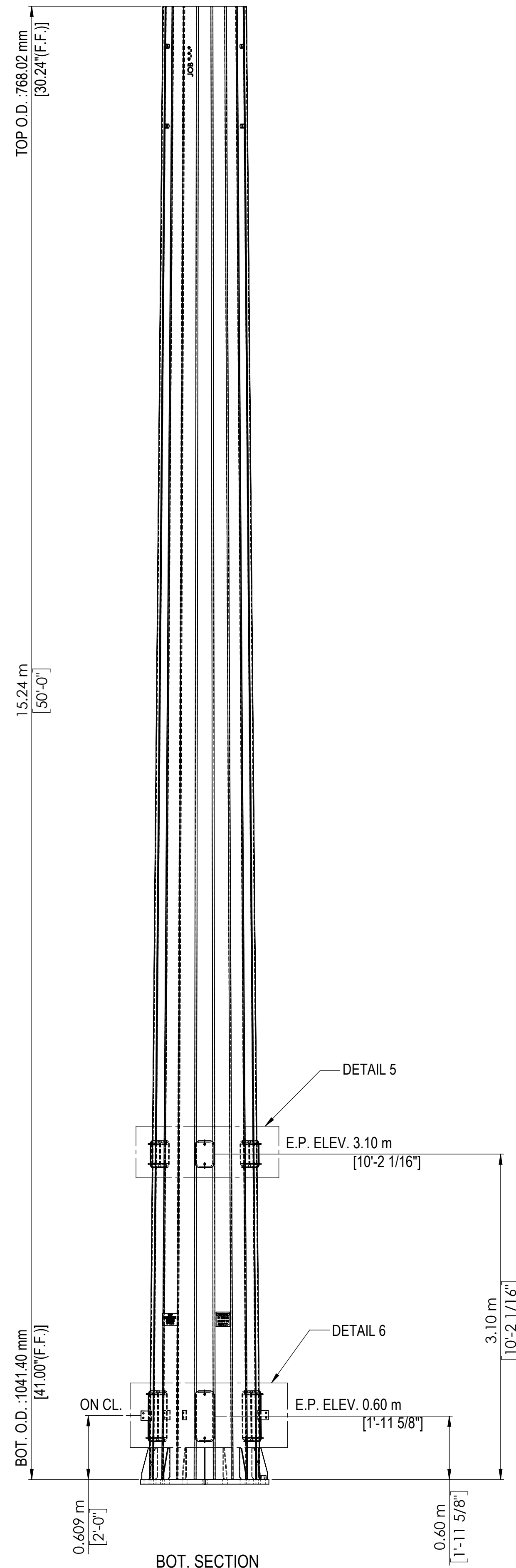
COMMSCOPE, INC. OF NORTH CAROLINA			
TOLERANCES		SAP MATERIAL MASTER	
0 PLACE X ± 6[0.25]	2 PLACE XX ± 1.50[0.06]	860670691-030	
1 PLACE X ± 3.0[0.12]	ANGLES ± 2°		

FINISH		MATERIAL	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS (INCHES IN PARENTHESES)		HANDBOOK TECHNICAL DRAWINGS, VOLUMES 1 & 2, THIRD EDITION (2002)	
CE	DM1121	DATE	01APR22
RW	DM1121	DATE	06/21/2023
AD	LX1002	DATE	06/21/2023
RE	DM1121	DATE	06/21/2023
ECN	40173889CMO	SCALE	DOCUMENT NO.
		1:100	860670691-030
SIZE	Auth Group	INSL	MODEL
A1			
VERSION	STATUS	REVISION	VERSION
00	RE	A	01
STATUS	REVISION	VERSION	STATUS
RE	A	01	RE
REVISION	B	1 OF 3	

NOTES:

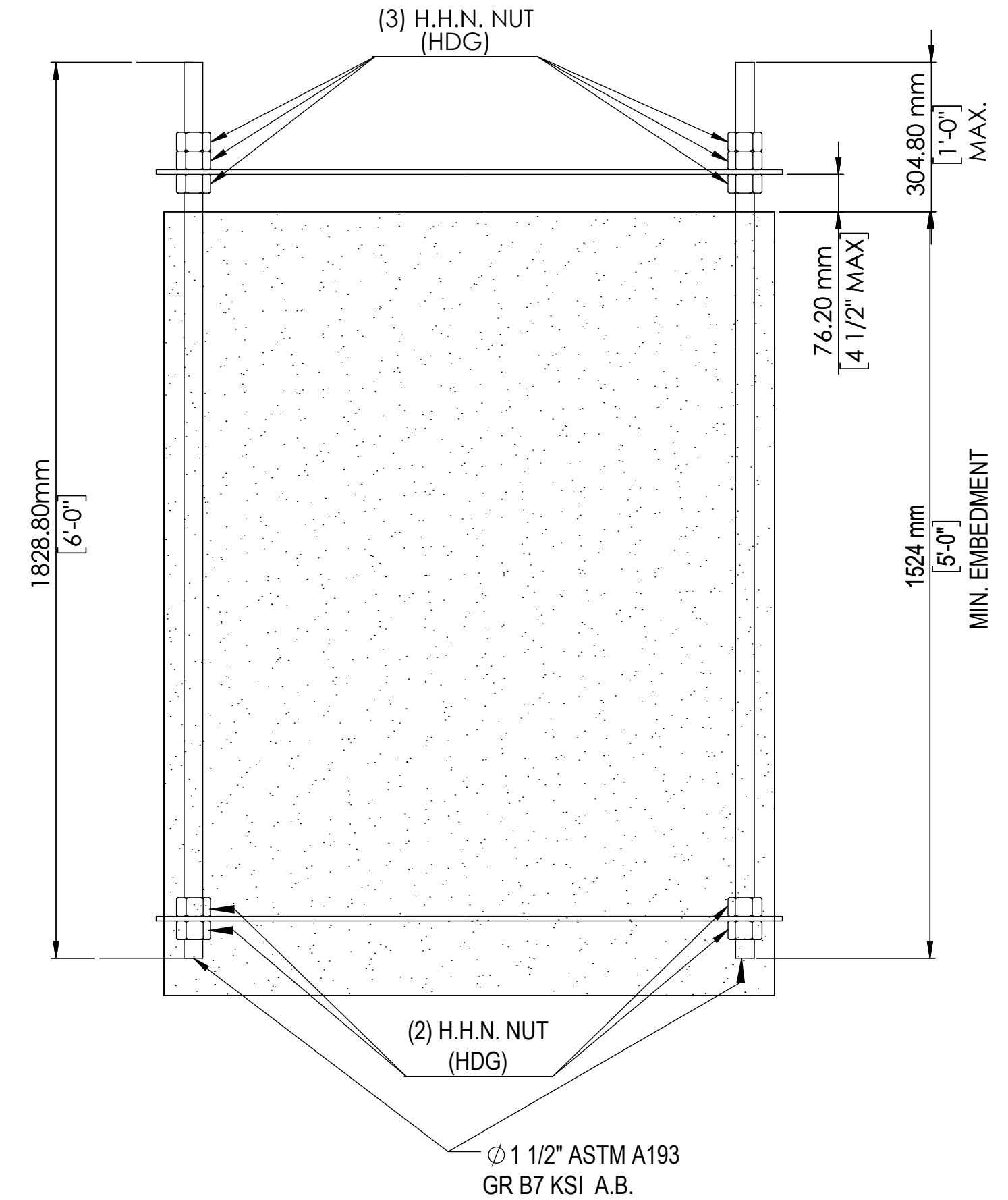


TOP SECTION
TAPER=0.21526 IN./FT.



BOT. SECTION
TAPER=0.21526 IN./FT.

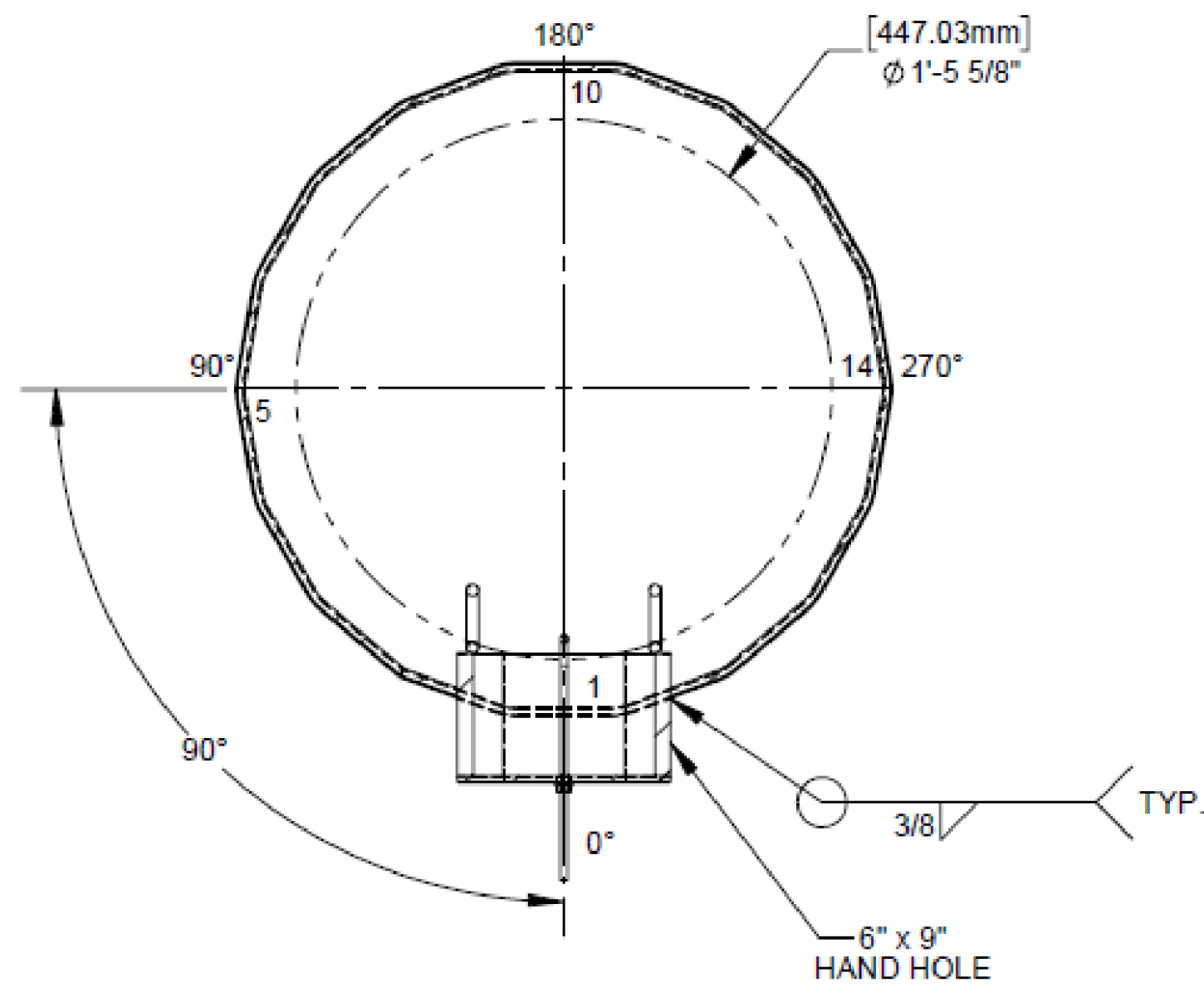
- NOTE:
- 1.) FOUNDATION DETAIL IS AN ILLUSTRATION ONLY.
 - 2.) THE NUMBER AND ORIENTATION OF ANCHOR BOLTS SHOWN IN THIS DETAIL MAY VARY. USE TEMPLATE DETAIL FOR CORRECT LAYOUT.
 - 3.) A.B. TO BE FULL LENGTH GALVANIZED
 - 4.) TORQUE FOR ANCHOR BOLT 8000 FT/LB



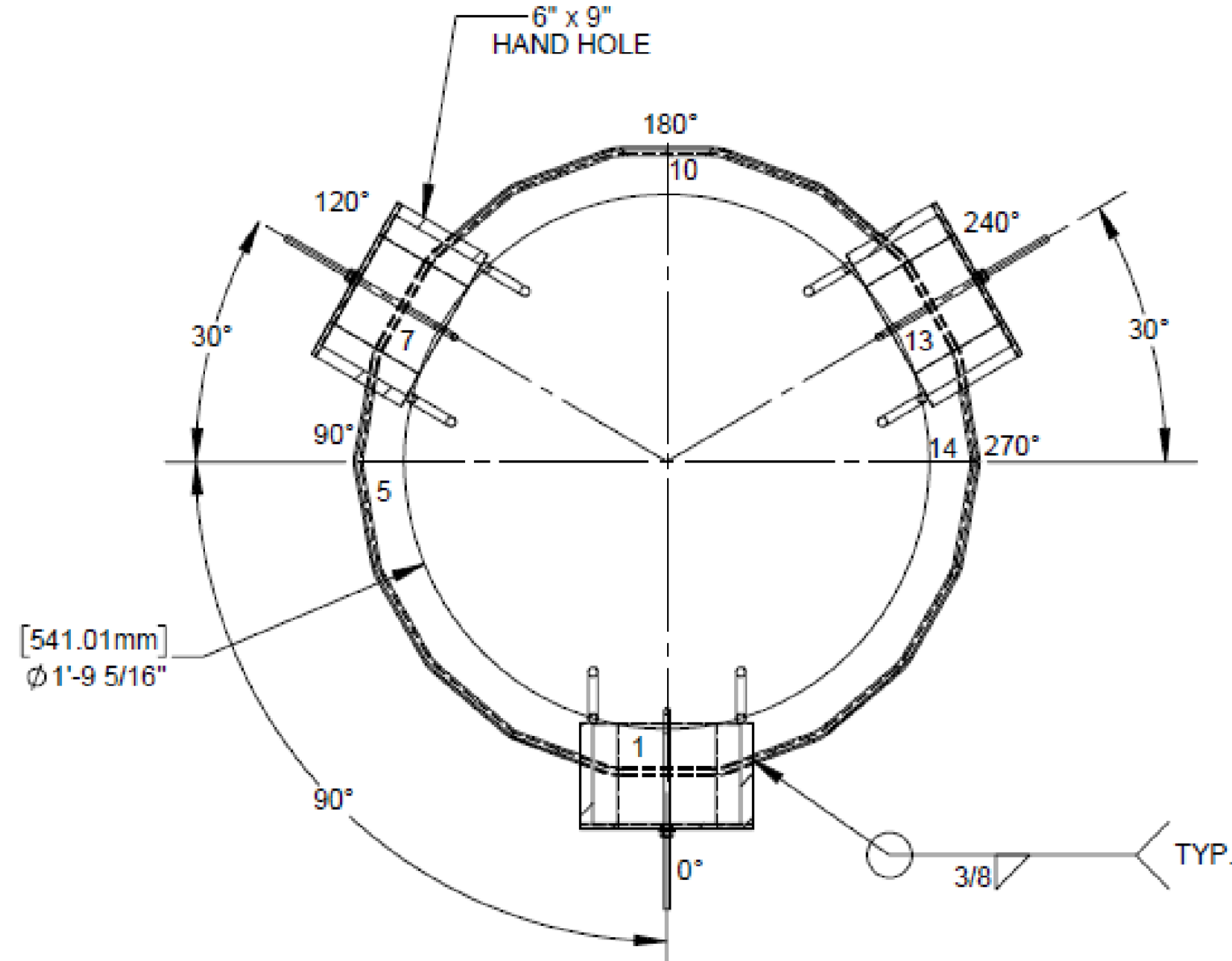
FOUNDATION DETAIL

COMMSCOPE, INC. OF NORTH CAROLINA			
TITLE 30m CONVERGED MONOPOLE SOLUTION, GALV			
SIZE A1	SCALE 2:1	DOCUMENT NO. 860670691-030	
DRAWING		VERSION	SHEET
STATUS	REVISION	01	2 OF 3
RE	B		

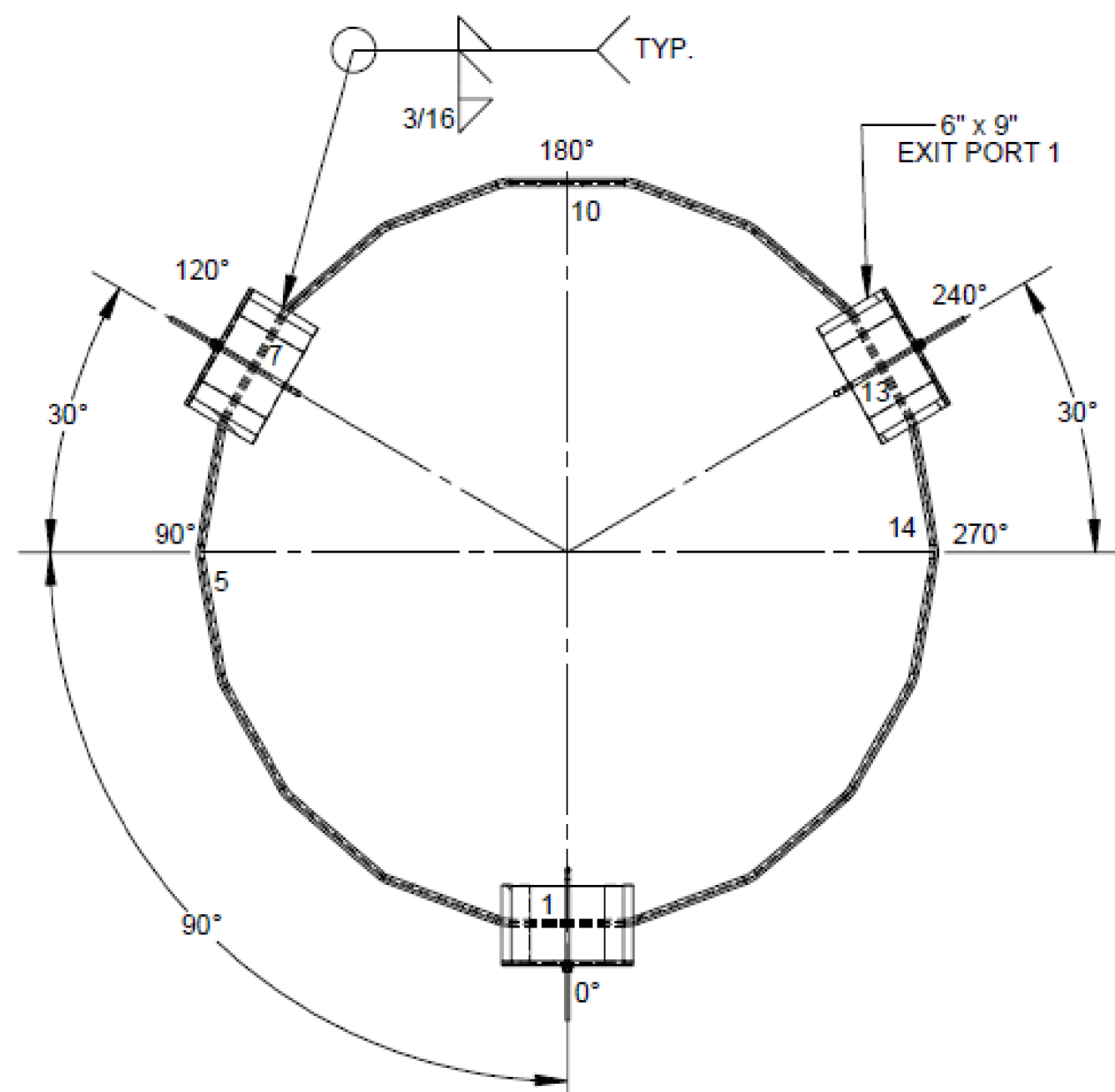
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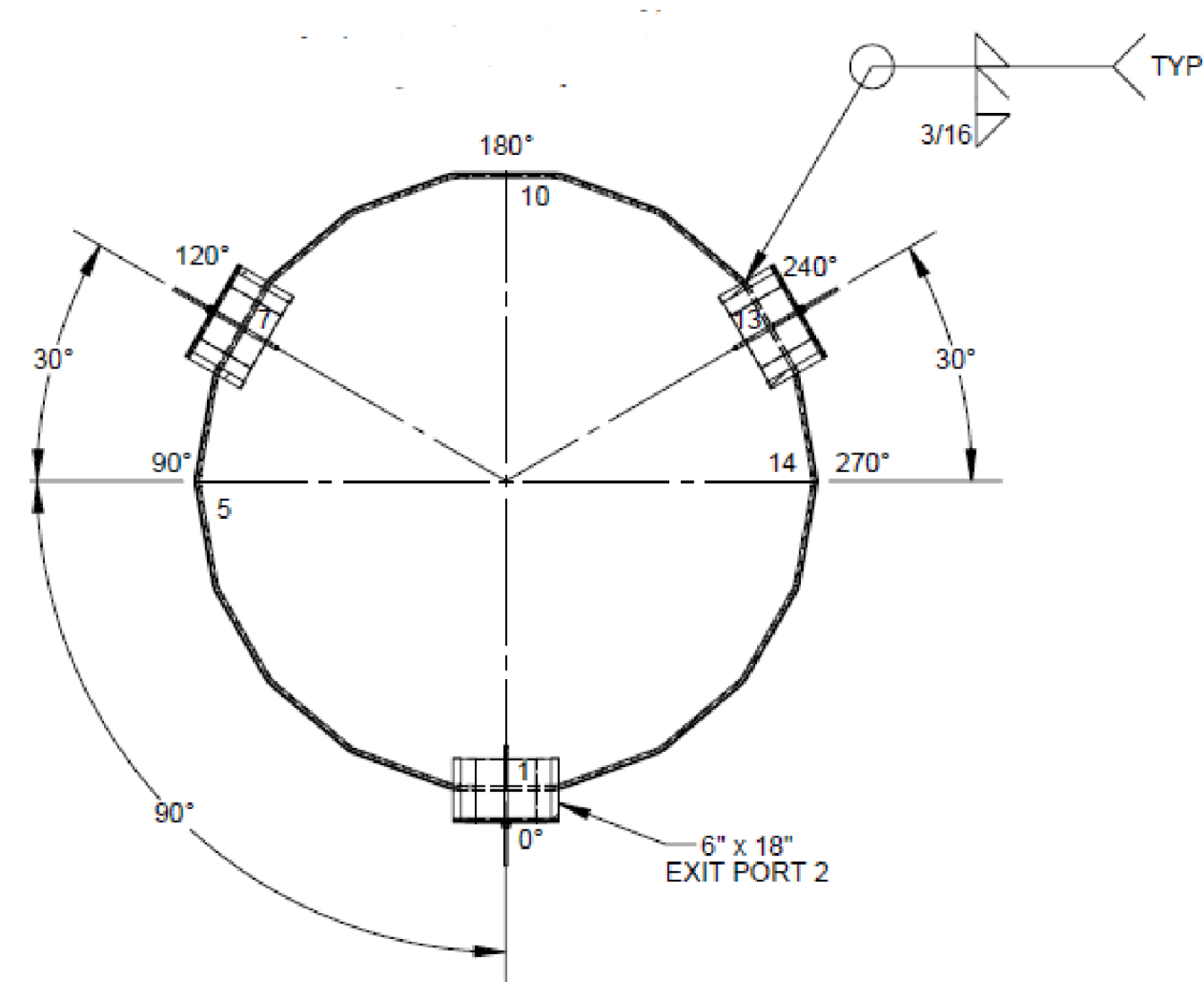
H.H. ORIENTATION
DETAIL 3



H.H. ORIENTATION
DETAIL 4



E.P. ORIENTATION
DETAIL 5



E.P. ORIENTATION
DETAIL 6

COMMSCOPE, INC. OF NORTH CAROLINA

TITLE
30m CONVERGED MONOPOLE SOLUTION, GALV

SIZE A1	SCALE 2:1	DOCUMENT NO. 860670691-030
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DRAWING			SHEET 3 OF 3
VERSION 01	STATUS RE	REVISION B	

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