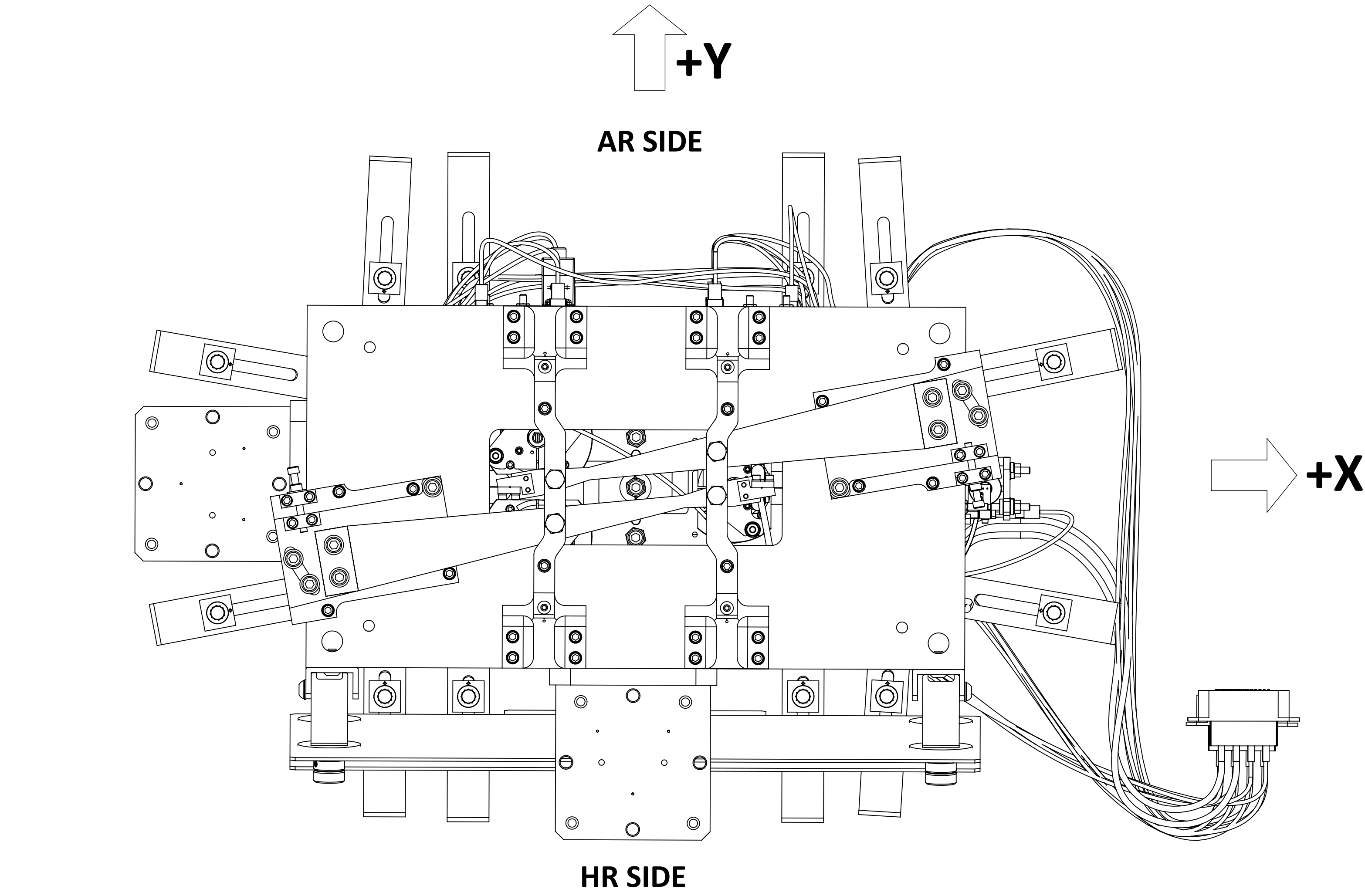


NOTES CONTINUED:

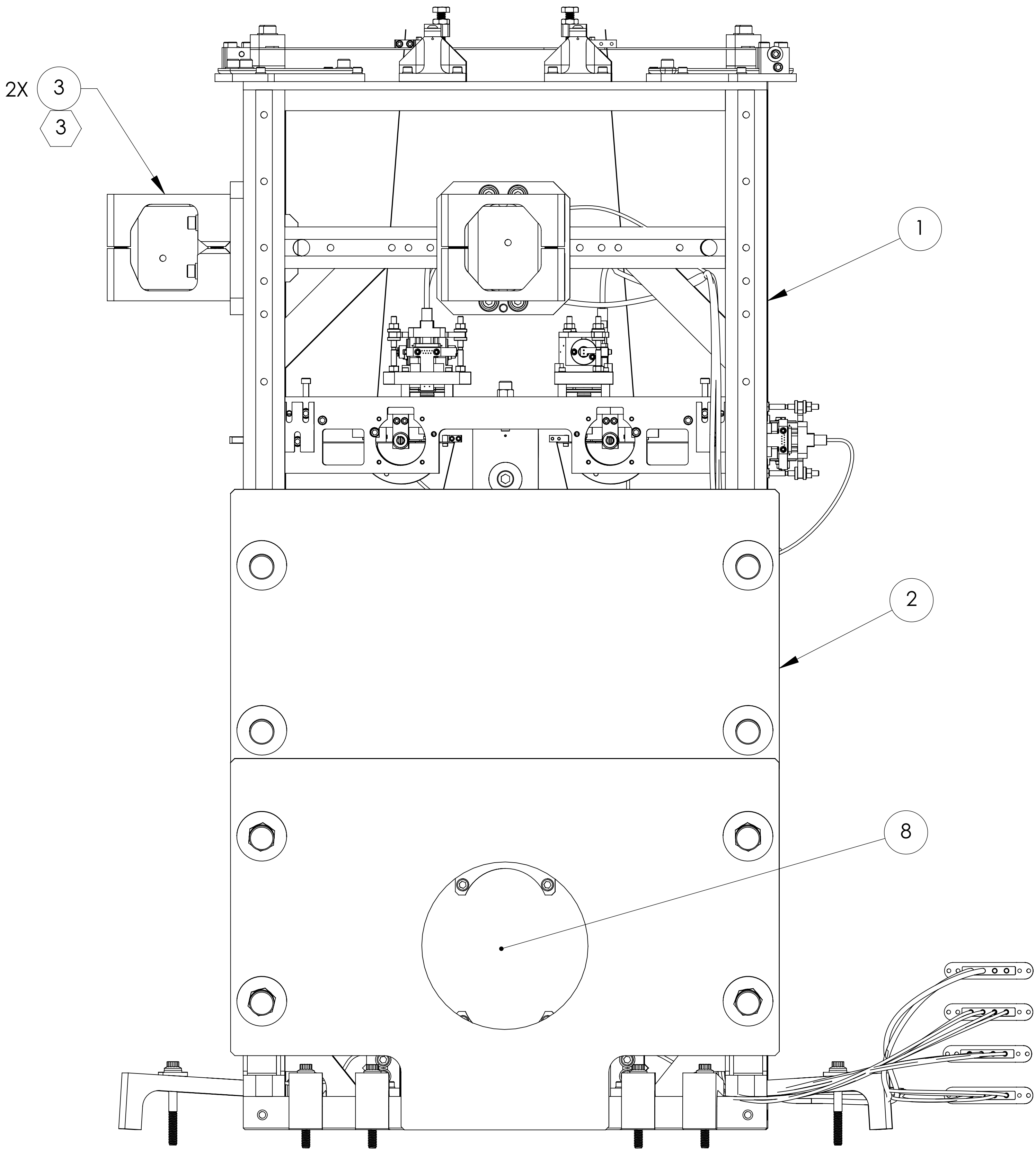
3 VIBRATION ABSORBER ATTACHED USING
HARDWARE SUPPLIED WITH D1002424.

INSTALL CONFIGURATION (IN CHAMBER - DOORS CLOSED) L1 HSTS FC2

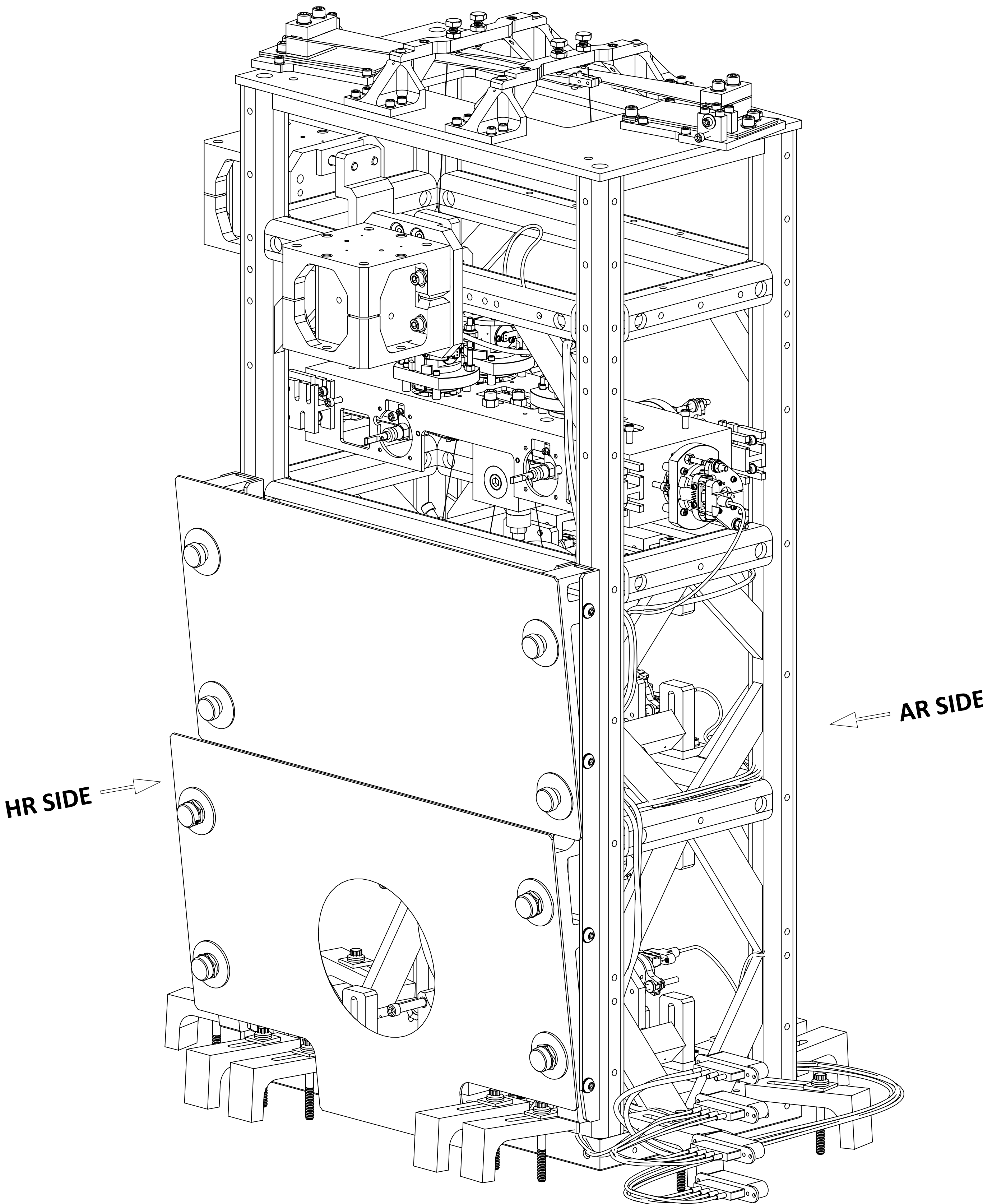
REV.	DATE	DCN #	DRAWING TREE #
v1	16 MAY 2022	E2200205	
-	-	-	
-	-		



LOCAL COORDINATES - SEE SHEET 3 FOR REFERENCE			
X mm	Y mm	Z mm	YAW
-533.433	-189.900	- 98.442	0.189 °



HR SIDE - FRONT VIEW



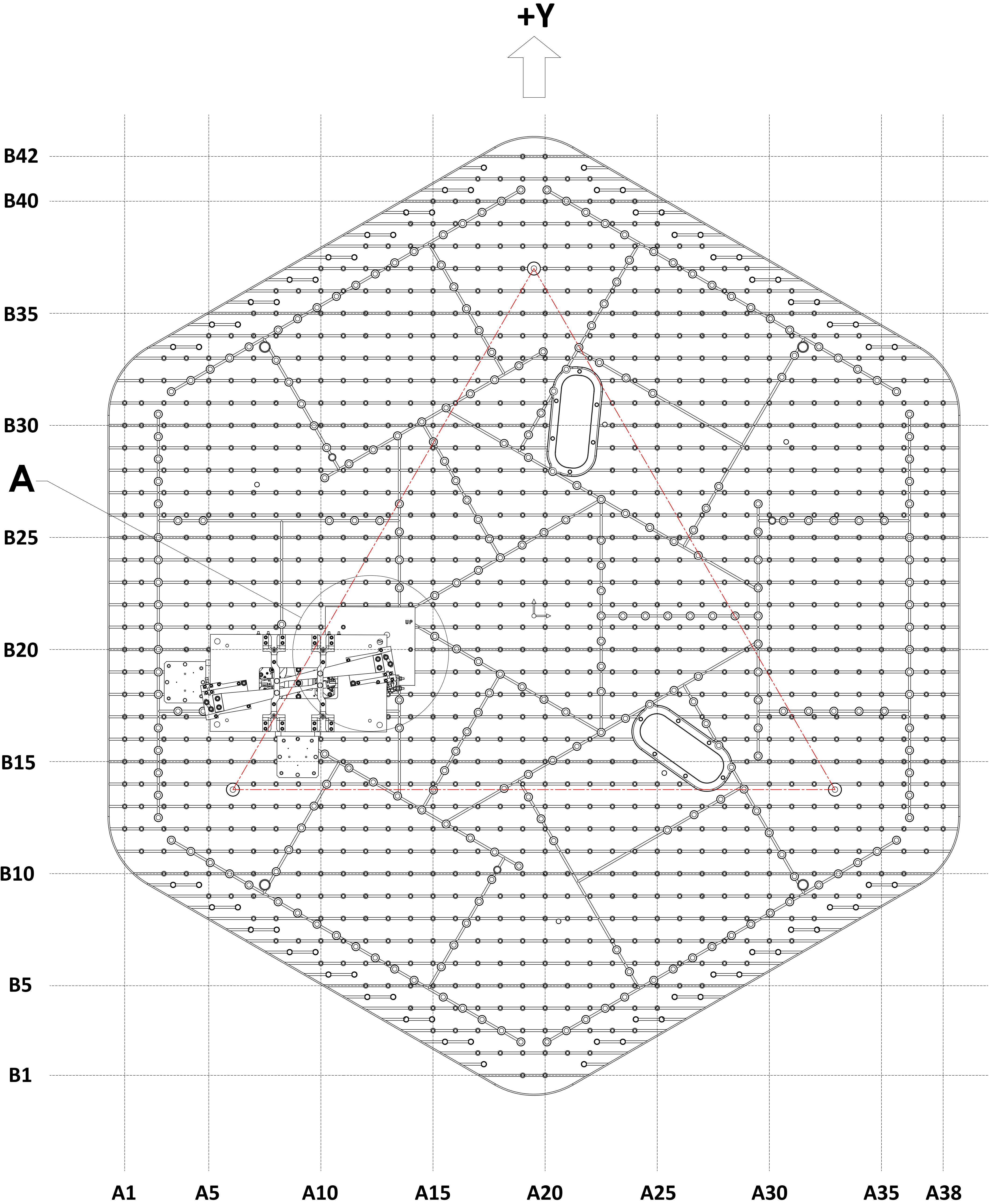
3D VIEW

HAM8-L1 CABLES				
ROUTE NO.	FROM OSEM POSITION	TO CB FLOOR DES.	CABLE PART NO.	NOM. CABLE LENGTH (IN)
1	M3-UL(S)	CB-2 (1ST)	D2100049	36
	M3-LL(N)			
	M3-UR(N)			
2	M3-LR(S)	CB-2 (2ND)	D2100049	45
	M2-UL(S)			
	M2-LL(N)			
3	M2-UR(N)	CB-2 (3RD)	D2100049	54
	M2-LR(S)			
	M1-T3(N)			
4	M1-LF(N)	CB-2 (4TH)	D2100050	54
	M1-RT(S)			
	M1-SD(S)			

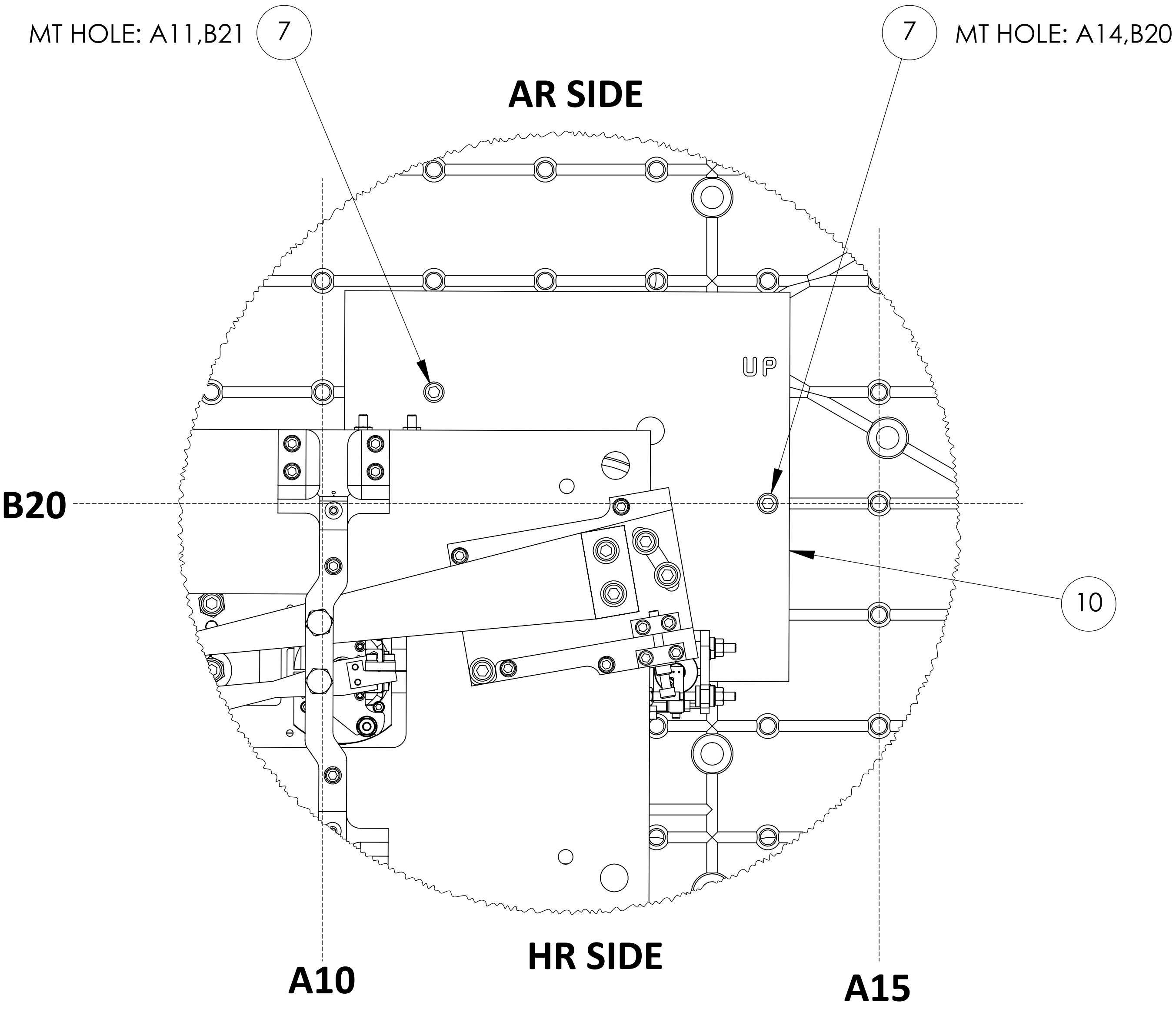
PARTS LIST				
ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	QTY.
1	D1900325	A+ SUS, HSTS Overall Assembly	N/A	1
2	D1900497-01	A+, SUS, HSTS BAFFLE ASSY.	N/A	1
3	D1002424	VIBRATION ABSORBER ASSEMBLY	N/A	2
4	D1201293-3	ALIGO, SUS, 1/4 WASHER, BEVELED	304 SSTL	12
5	D1100785-530	WASHER, FLAT, .25 X .530 O.D.	NITRONIC 60	12
6	2AL2.25-12SL	1/4-20 X 2.25 12PT BOLT	450 SSTL	12
7	UC COMPONENTS #C-2012-N (OR EQUIVALENT)	SCREW, SOCKET HEAD CAP, 1/4-20 UNC-2A X 0.75 LONG, FULLY THREADED	300 SSTL	2
8	D2200138	A+, COC, L1-FC2 Optic Assembly	N/A	1
9	D1800303-17	SLIC HAM Optics Table Dog Clamp (Black Nickel coated) 1.1L	304 SSTL	12
10	D2200168	A+, SUS, HAM8-L1 HSTS Installation Plate	6061-T6 Al	1

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)				 CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME A+ SUS HAM8-L1, XYZ Local CS for HSTS								
1. INTERPRET DRAWING PER ASME Y14.5-1994. 2. DO NOT SCALE FROM DRAWING.						SYSTEM A+		SUB-SYSTEM SUS		DESIGNER		SIZE	DWG. NO.	REV.
MATERIAL N/A				FINISH N/A μinch		NEXT ASSY D1900311		DRAFTER	D. GRIFFITH	13 MAY 2022	E	D1900312	v1	
								CHECKER	SEE DCC	SEE DCC	SCALE: 1:5	PROJECTION:		SHEET 1 OF 9
								APPROVAL						

ALIGNMENT PLATE INSTALLATION / LOCATION
L1 HSTS FC2



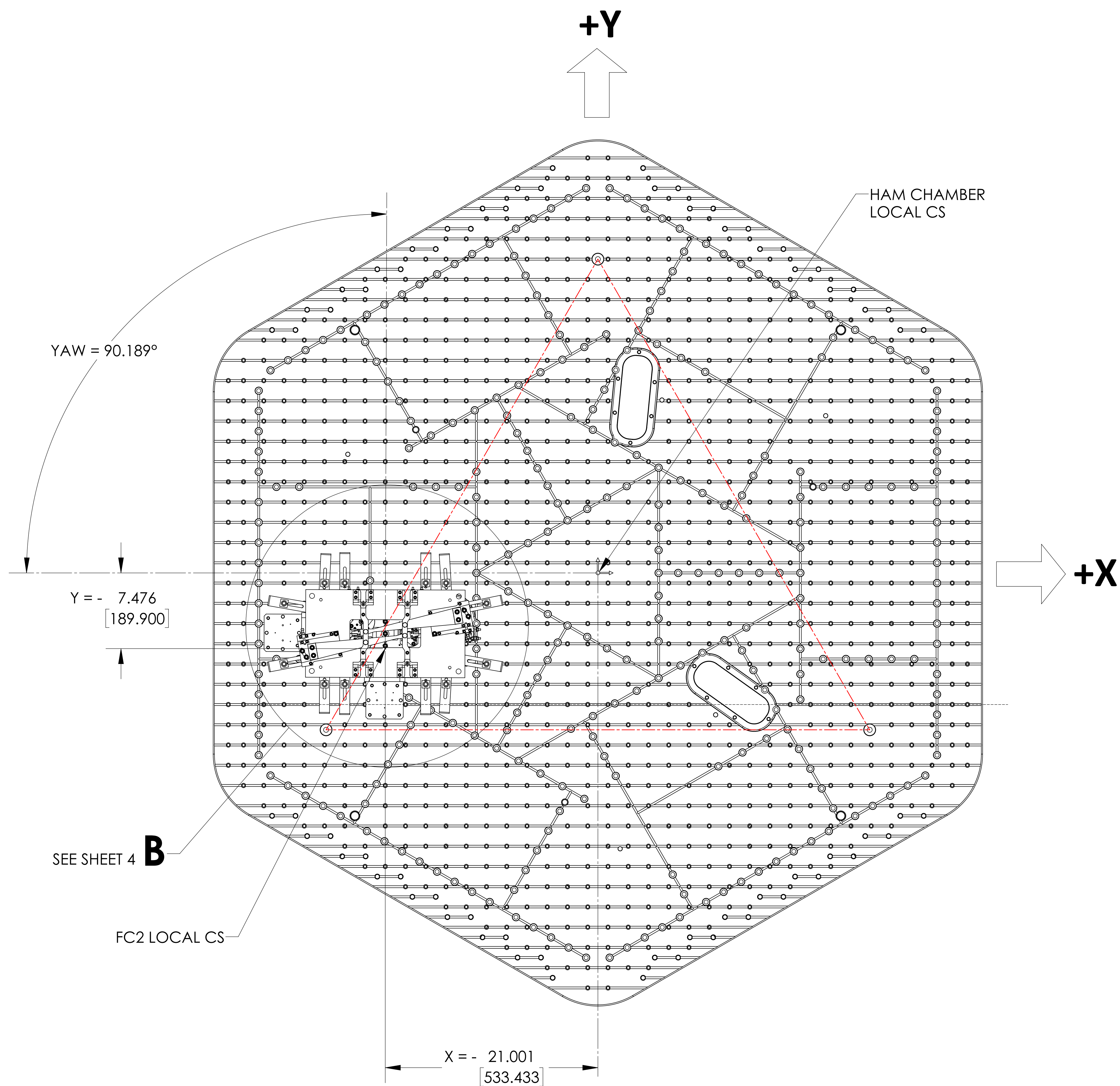
TOP VIEW
(HSTS BAFFLE ASSEMBLIES NOT SHOWN)



DETAIL A
SCALE 2 : 3
(HSTS BAFFLE ASSEMBLIES NOT SHOWN)

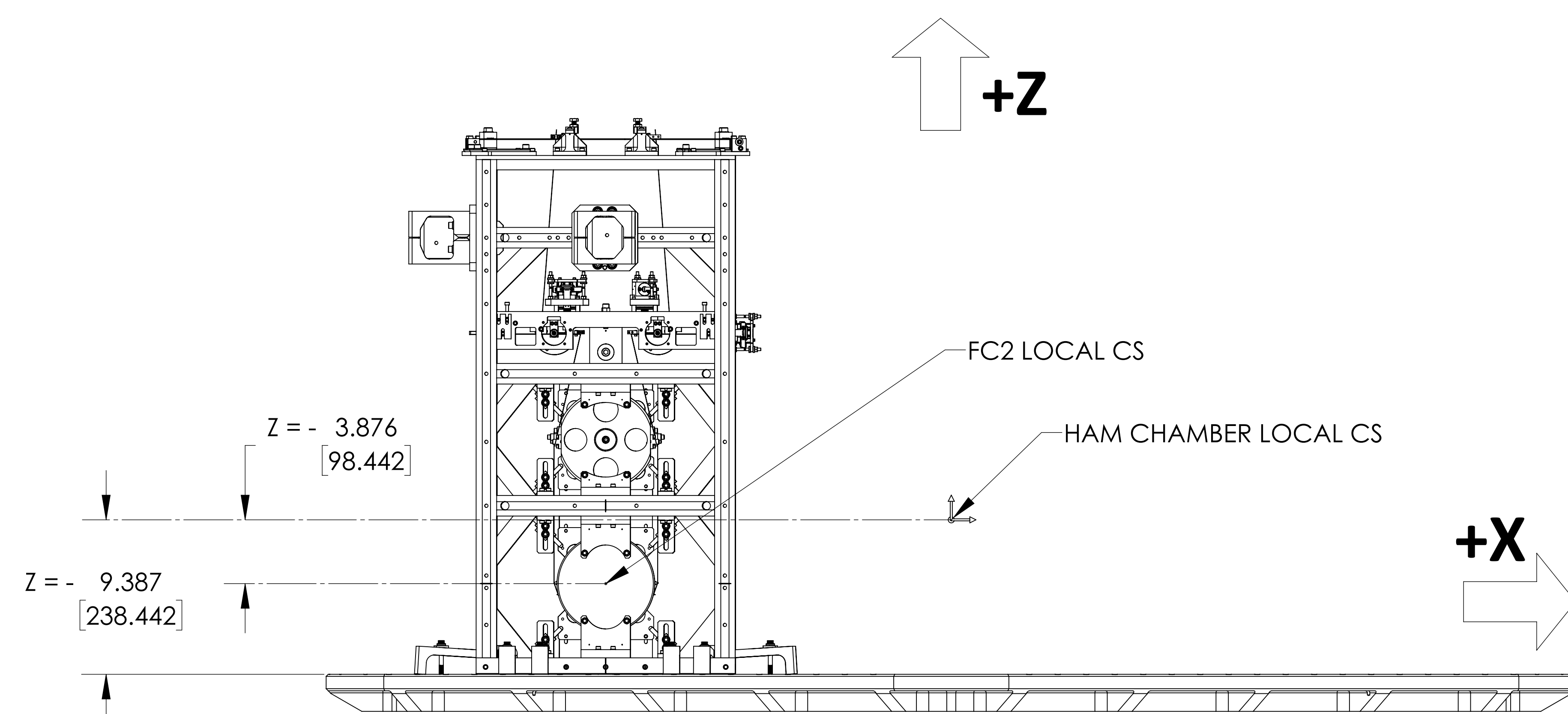
PARTS LIST				
ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	REQ
1	D1900325	A+ SUS, HSTS Overall Assembly	N/A	1
2	D1900497-01	A+, SUS, HSTS BAFFLE ASSY.	N/A	1
3	D1002424	VIBRATION ABSORBER ASSEMBLY	N/A	2
4	D1201293-3	ALIGO, SUS, 1/4 WASHER, BEVELED	304 SSTL	12
5	D1100785-530	WASHER, FLAT, .25 X .530 O.D.	NITRONIC 60	12
6	2AL2.25-12SL	1/4-20 X 2.25 12PT BOLT	450 SSTL	12
7	UC COMPONENTS #C-2012-N (OR EQUIVALENT)	SCREW, SOCKET HEAD CAP, 1/4-20 UNC- 2A X 0.75 LONG, FULLY THREADED	300 SSTL	2
8	D2200138	A+, COC, L1-FC2 Optic Assembly	N/A	1
9	D1800303-17	SLIC HAM Optics Table Dog Clamp (Black Nickel coated) 1.1L	304 SSTL	12
10	D2200168	A+, SUS, HAM8-L1 HSTS Installation Plate	6061-T6 Al	1

LOCAL COORDINATES DEFINITION



TOP VIEW

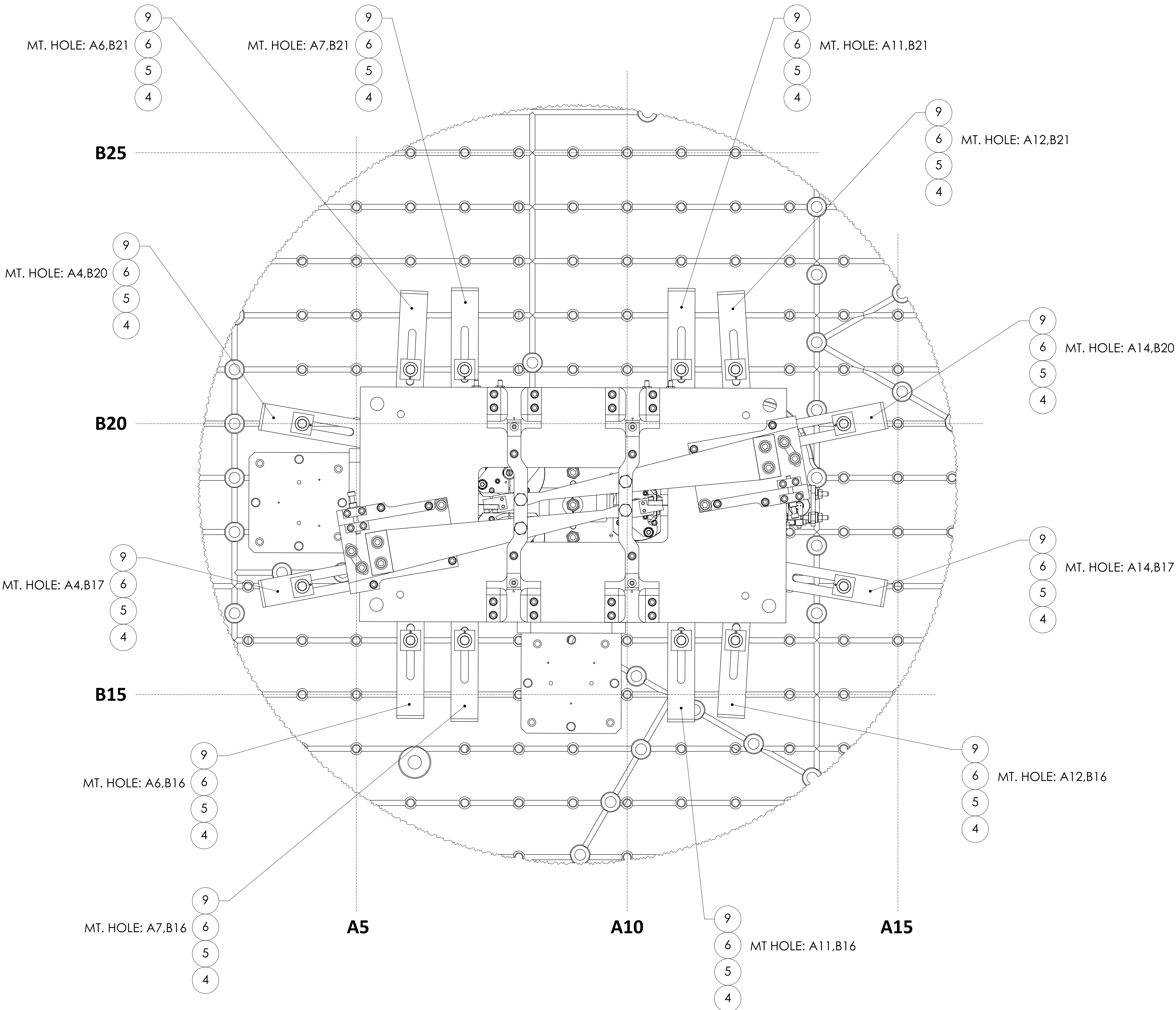
(BAFFLE AND CABLE ASSEMBLIES NOT SHOWN)



FRONT VIEW

(BAFFLE AND CABLE ASSEMBLIES NOT SHOWN)

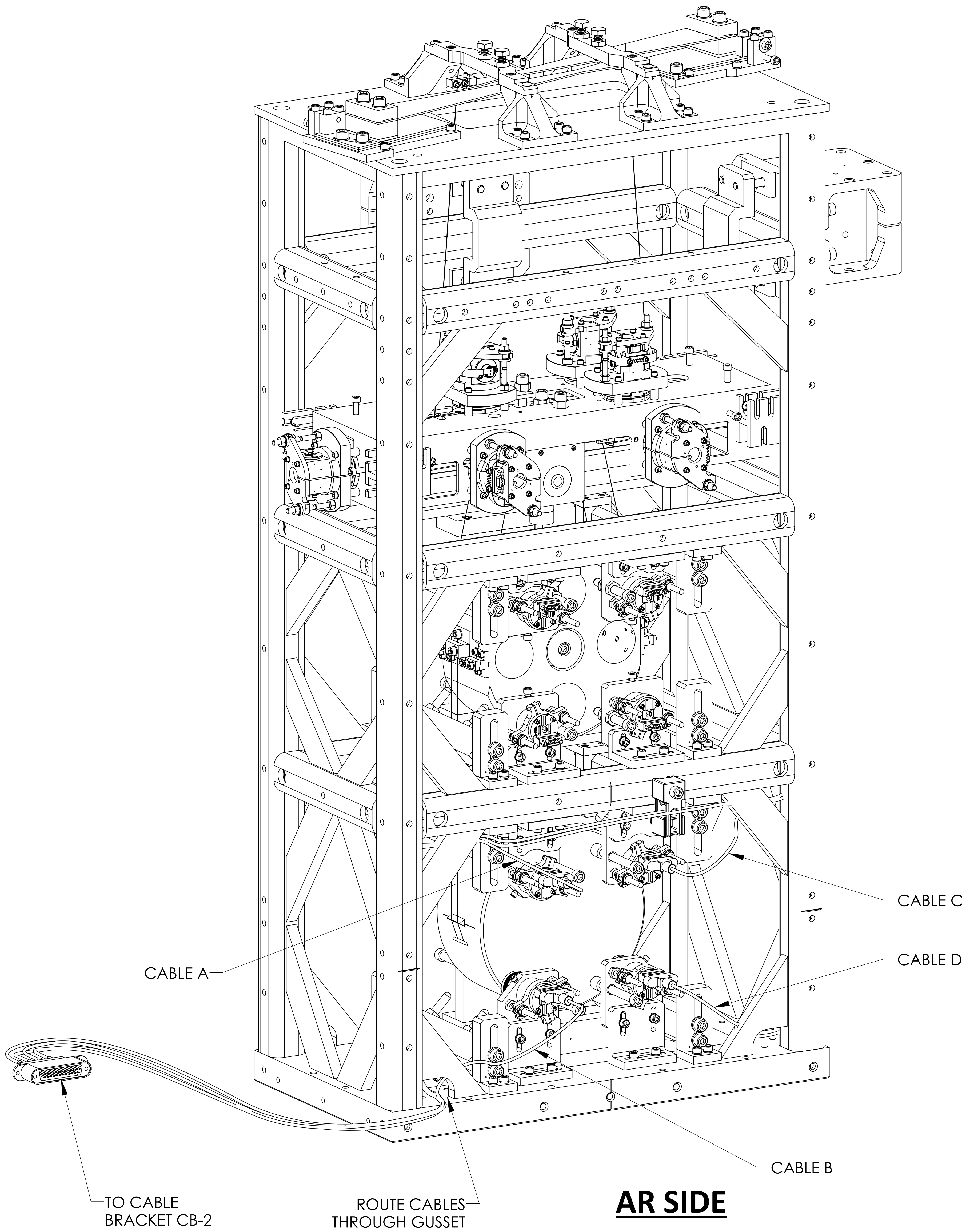
DOG CLAMP IDENTIFICATION / INSTALLATION
L1 HSTS FC2



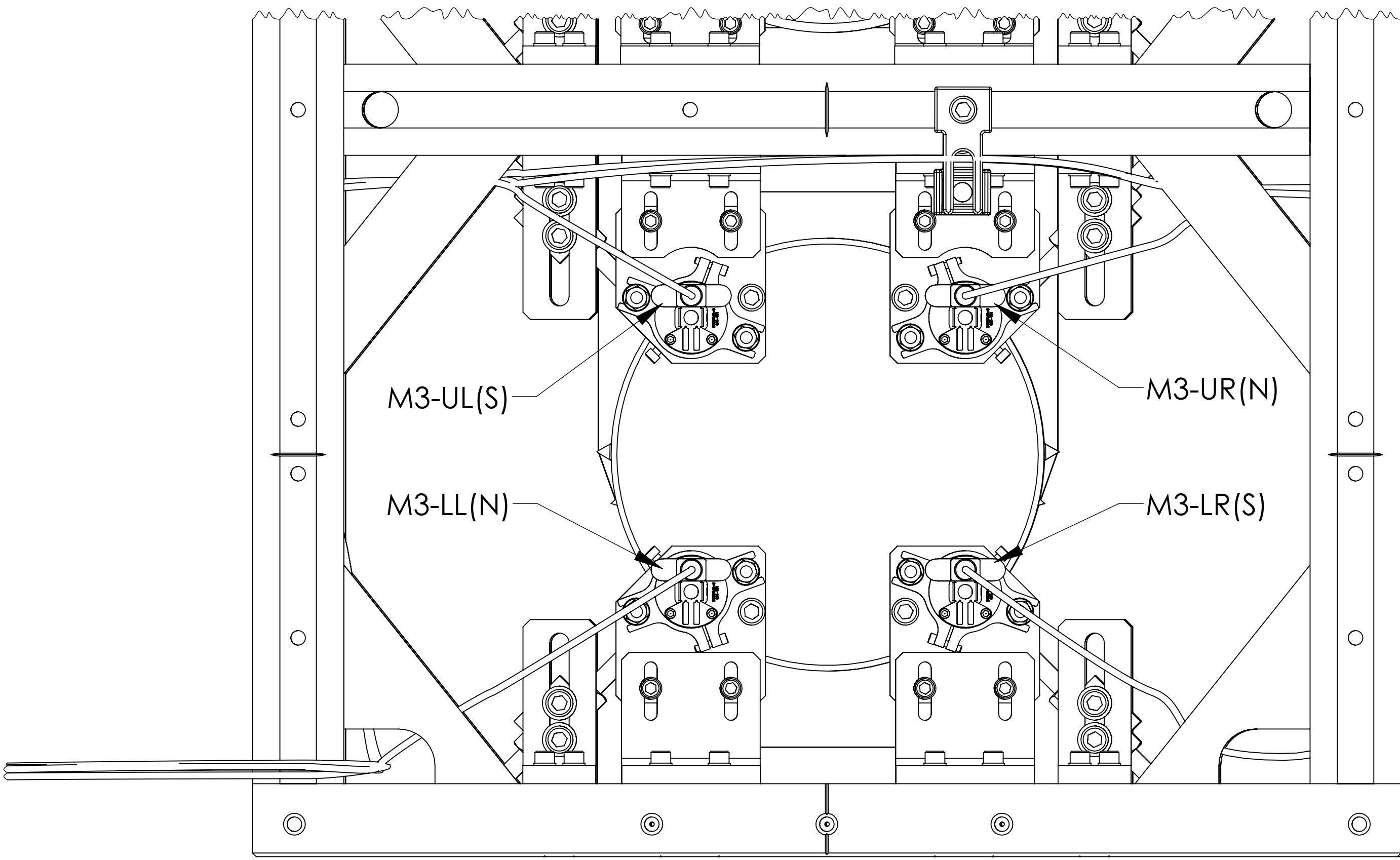
DETAIL B
SCALE 2 : 3
(BAFFLE AND CABLE ASSEMBLIES NOT SHOWN)

PARTS LIST				
ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	REQ
1	D1900325	A+ SUS, HSTS Overall Assembly	N/A	1
2	D1900497-01	A+, SUS, HSTS BAFFLE ASSY.	N/A	1
3	D1002424	VIBRATION ABSORBER ASSEMBLY	N/A	2
4	D1201293-3	ALIGO, SUS, 1/4 WASHER, BEVELED	304 SSTL	12
5	D1100785-530	WASHER, FLAT, .25 X .530 O.D.	NITRONIC 60	12
6	2AL2.25-12SL	1/4-20 X 2.25 12PT BOLT	450 SSTL	12
7	UC COMPONENTS #C-2012-N (OR EQUIVALENT)	SCREW, SOCKET HEAD CAP, 1/4-20 UNC- 2A X 0.75 LONG, FULLY THREADED	300 SSTL	2
8	D2200138	A+, COC, L1-FC2 Optic Assembly	N/A	1
9	D1800303-17	SLIC HAM Optics Table Dog Clamp (Black Nickel coated) 1.1L	304 SSTL	12
10	D2200168	A+, SUS, HAM8-L1 HSTS Installation Plate	6061-T6 Al	1

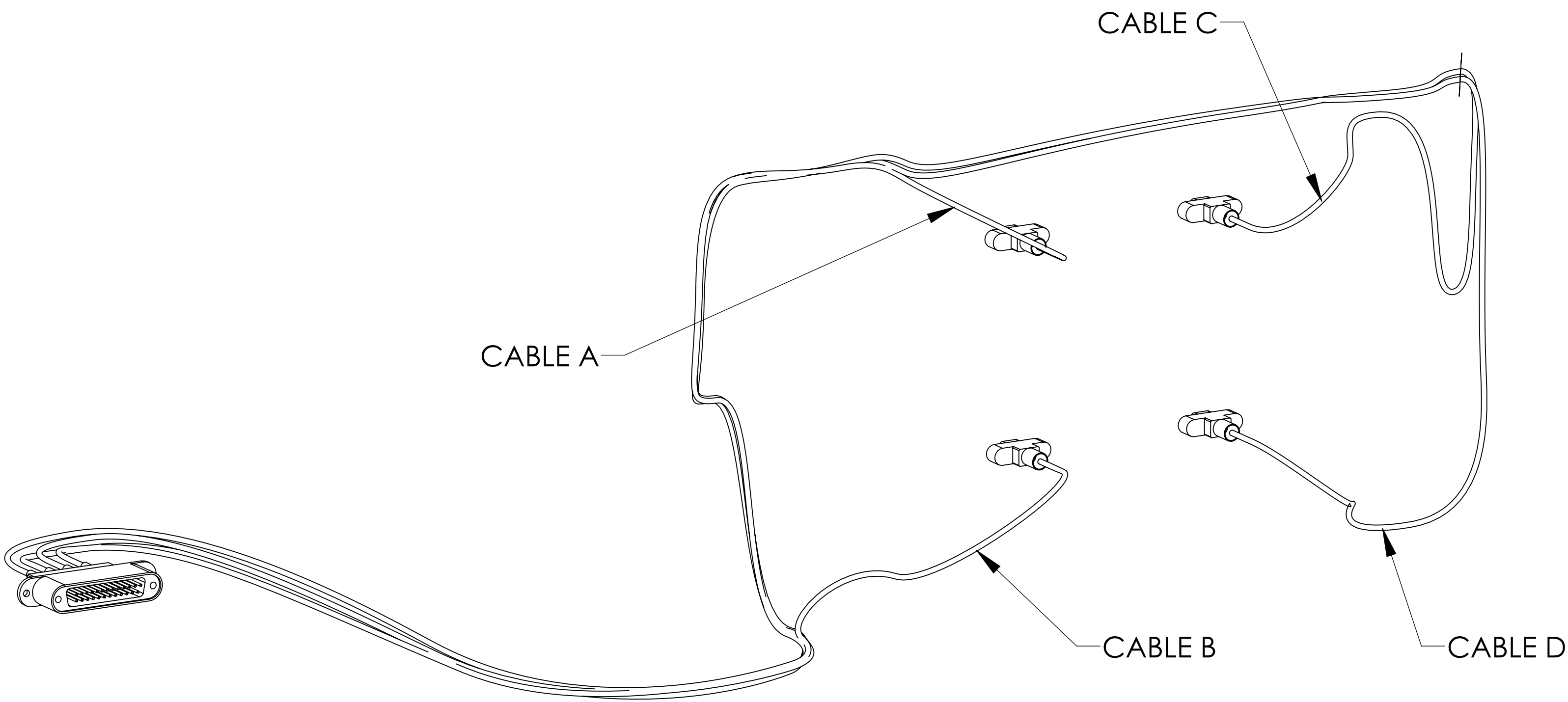
ROUTE NO 1
SEE T1200318 FOR STEP BY STEP CABLING GUIDE



AR SIDE

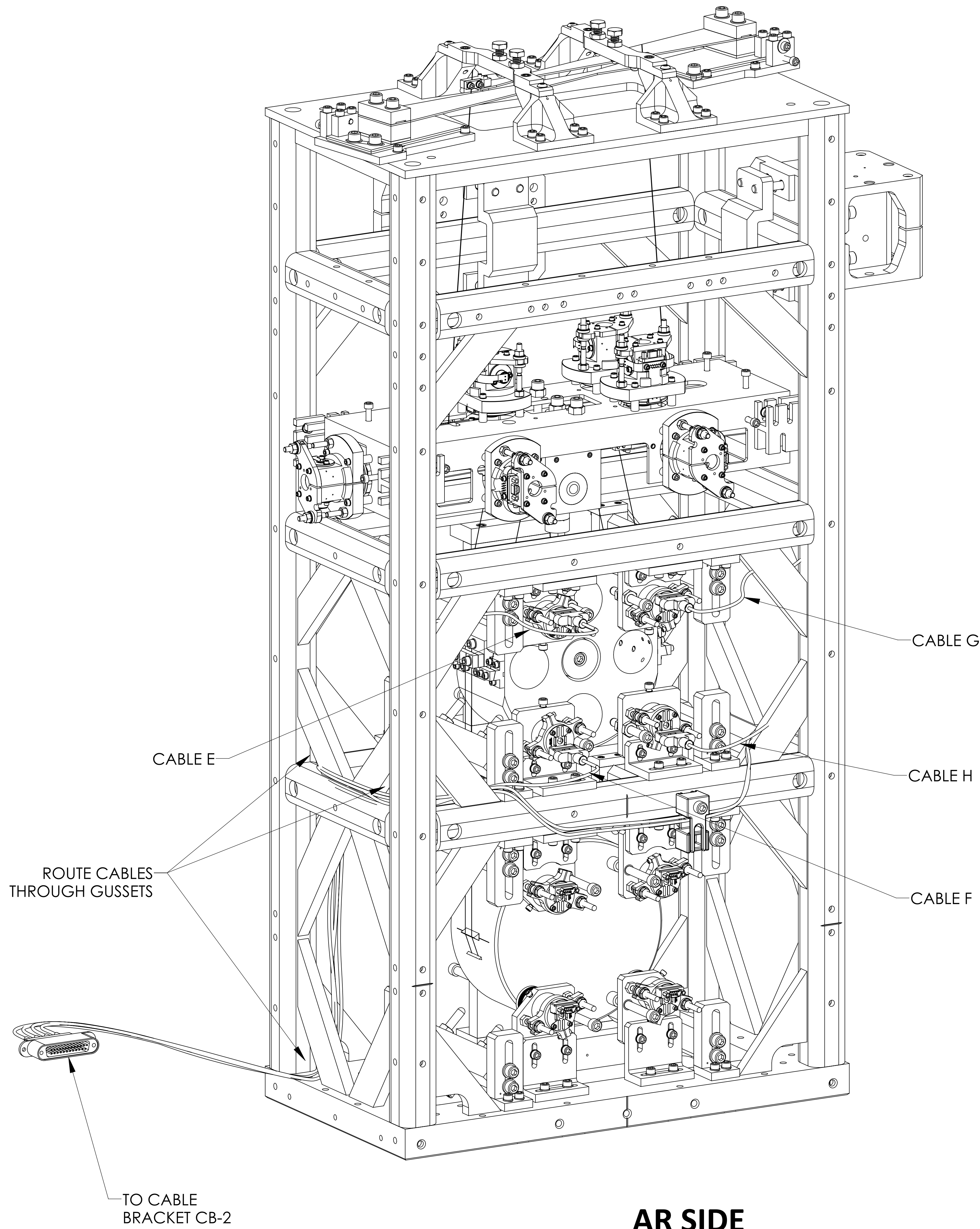


AR SIDE - BACK VIEW

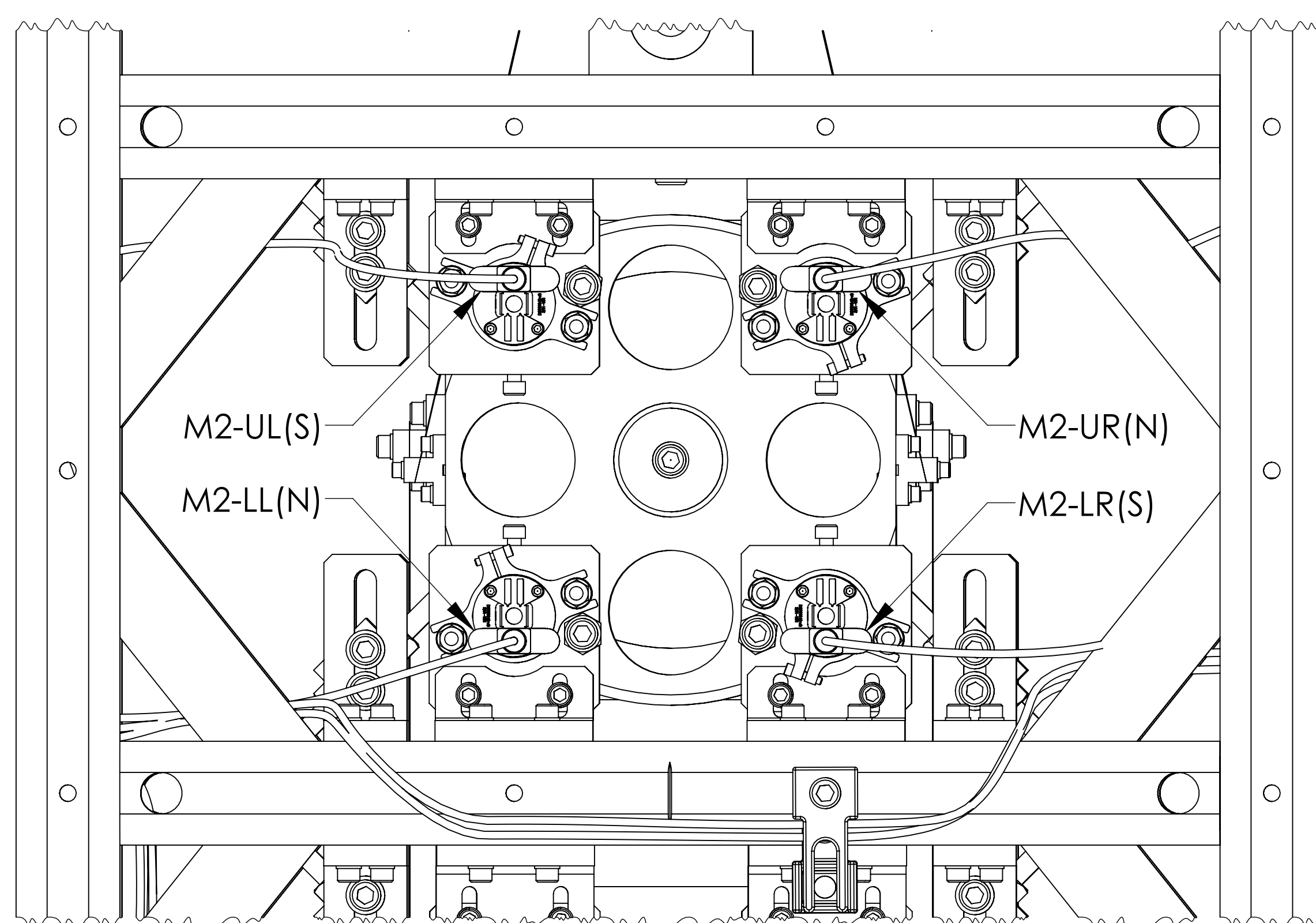


CABLE ASSEMBLY D2100049 - 36"

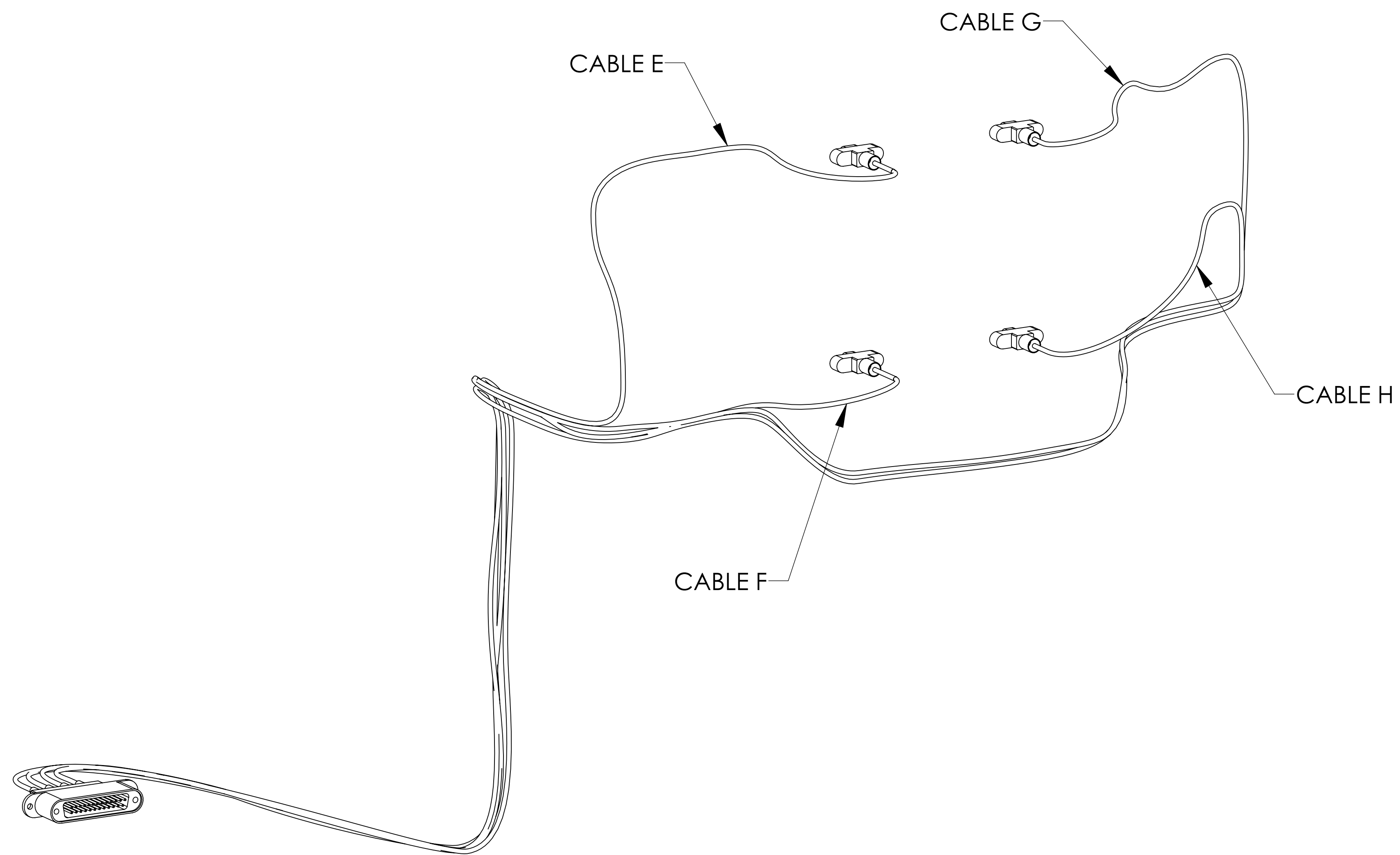
ROUTE NO 2
SEE T1200318 FOR STEP BY STEP CABLING GUIDE



AR SIDE

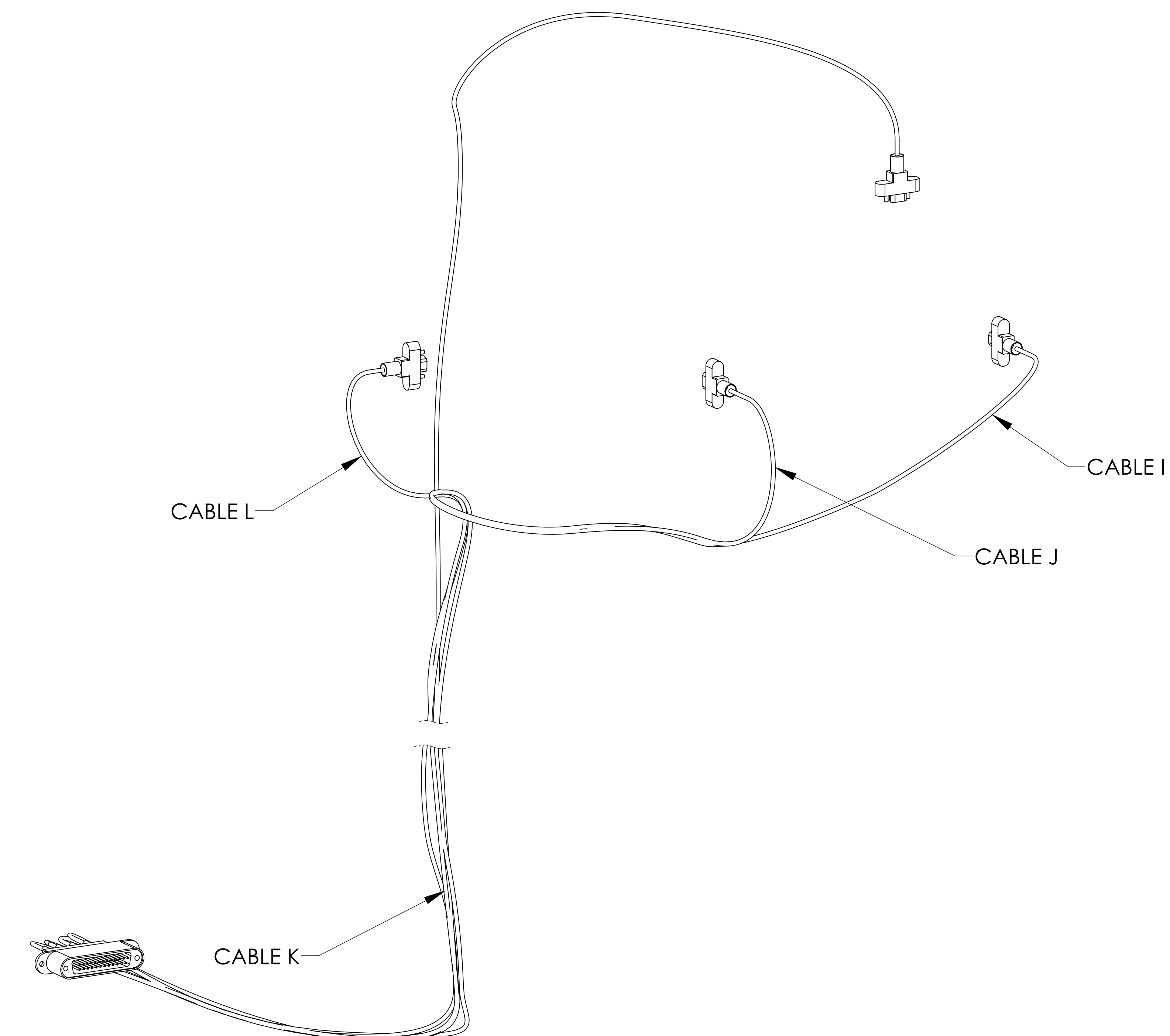
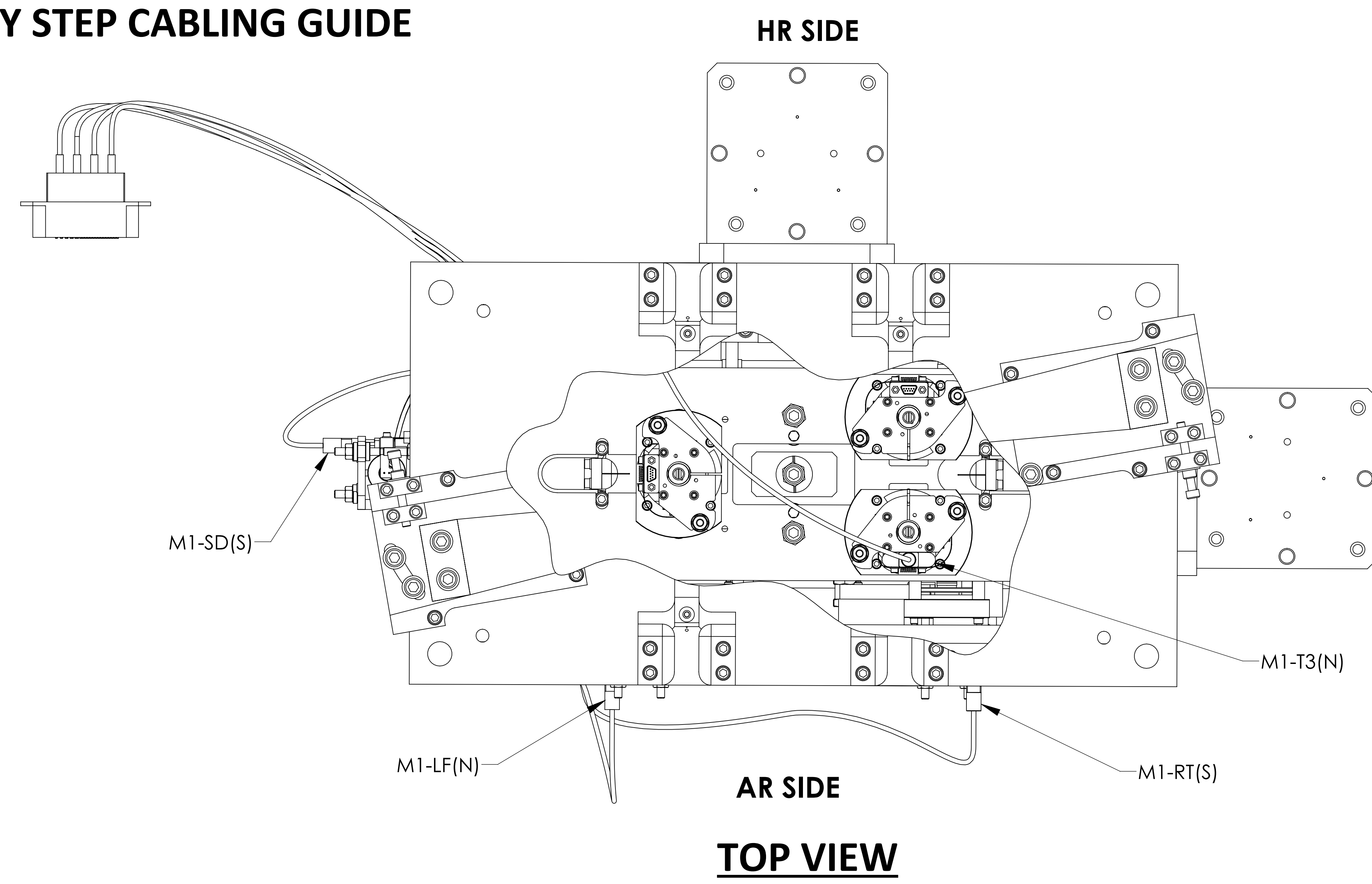
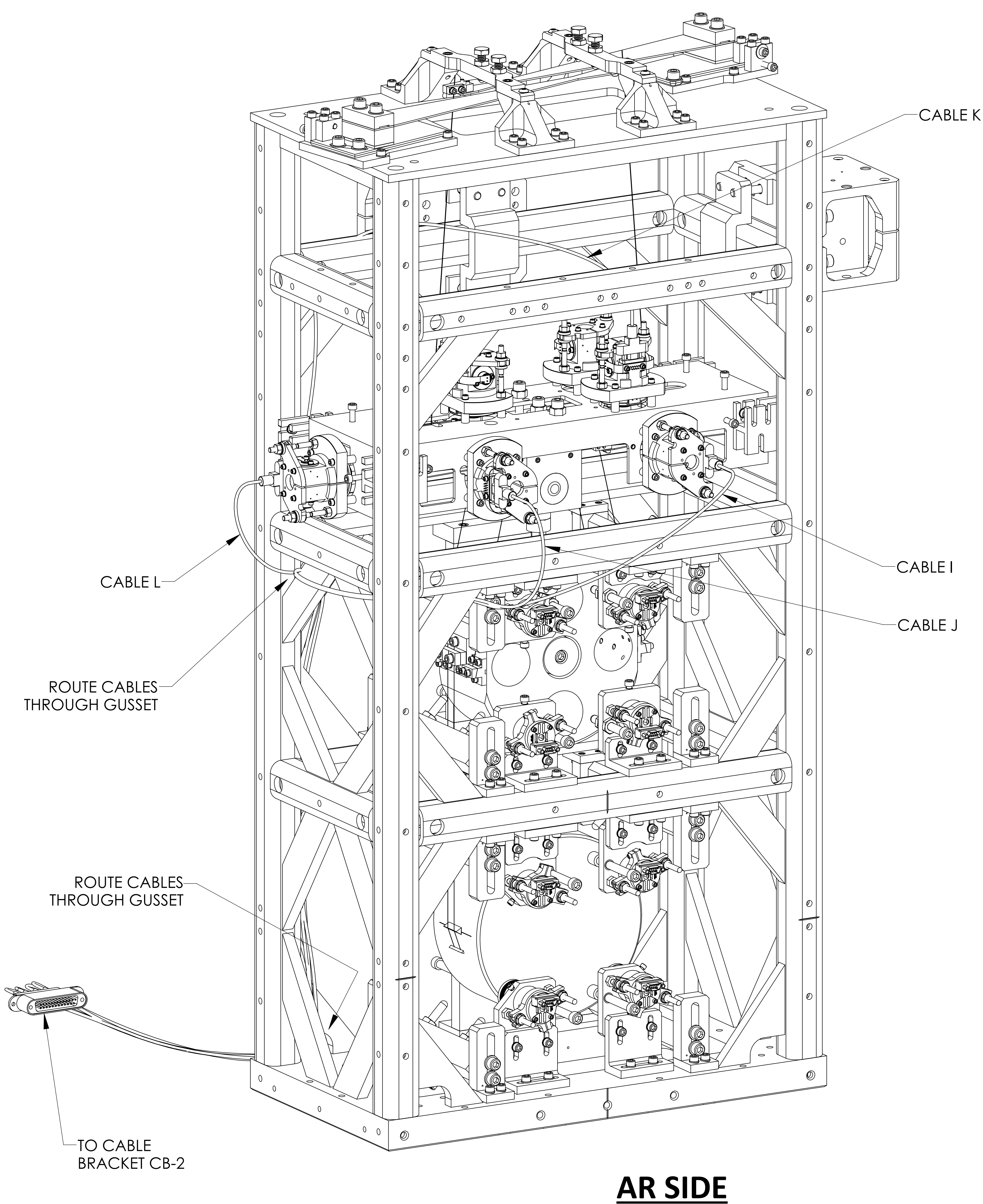


AR SIDE - BACK VIEW



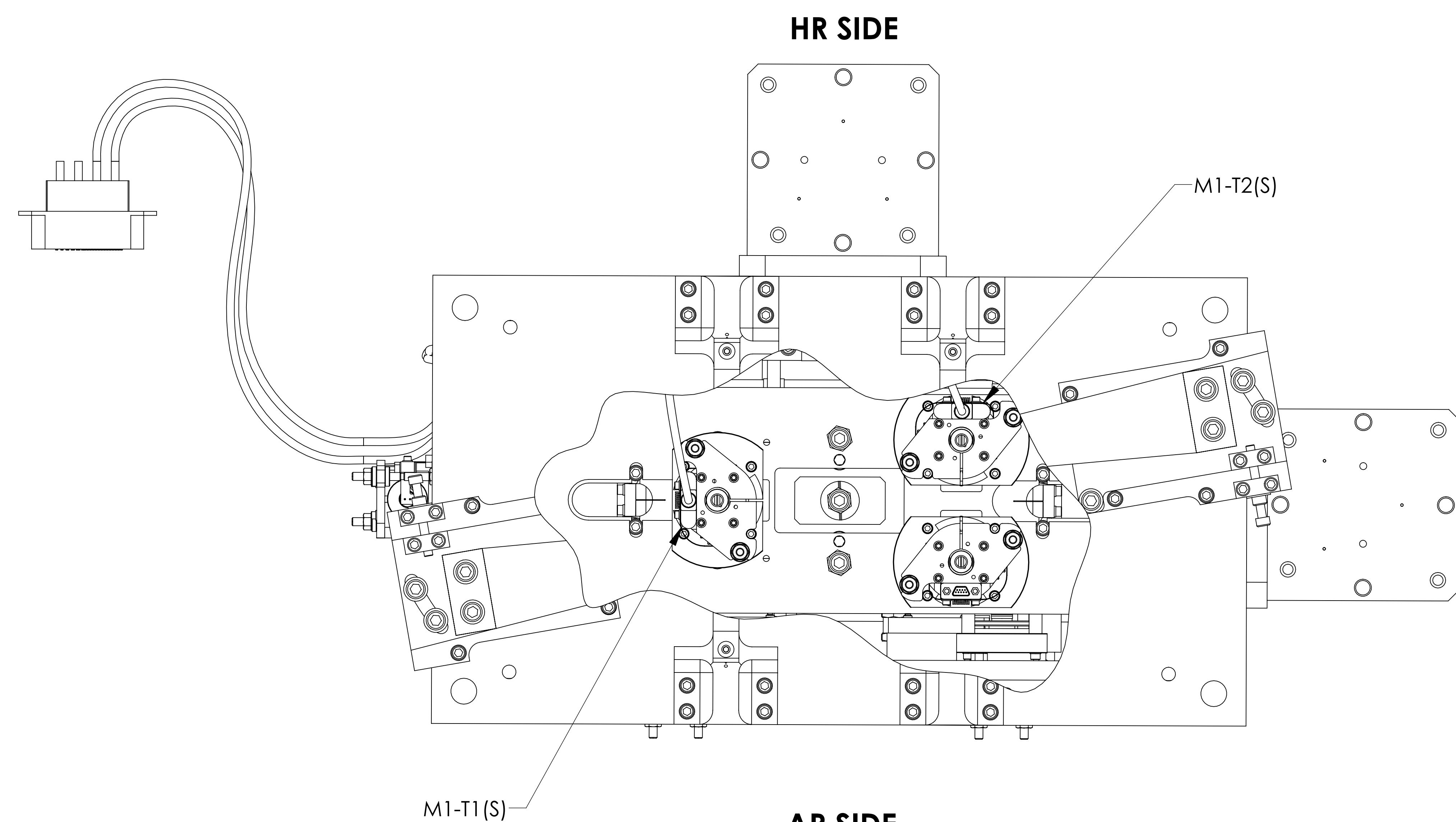
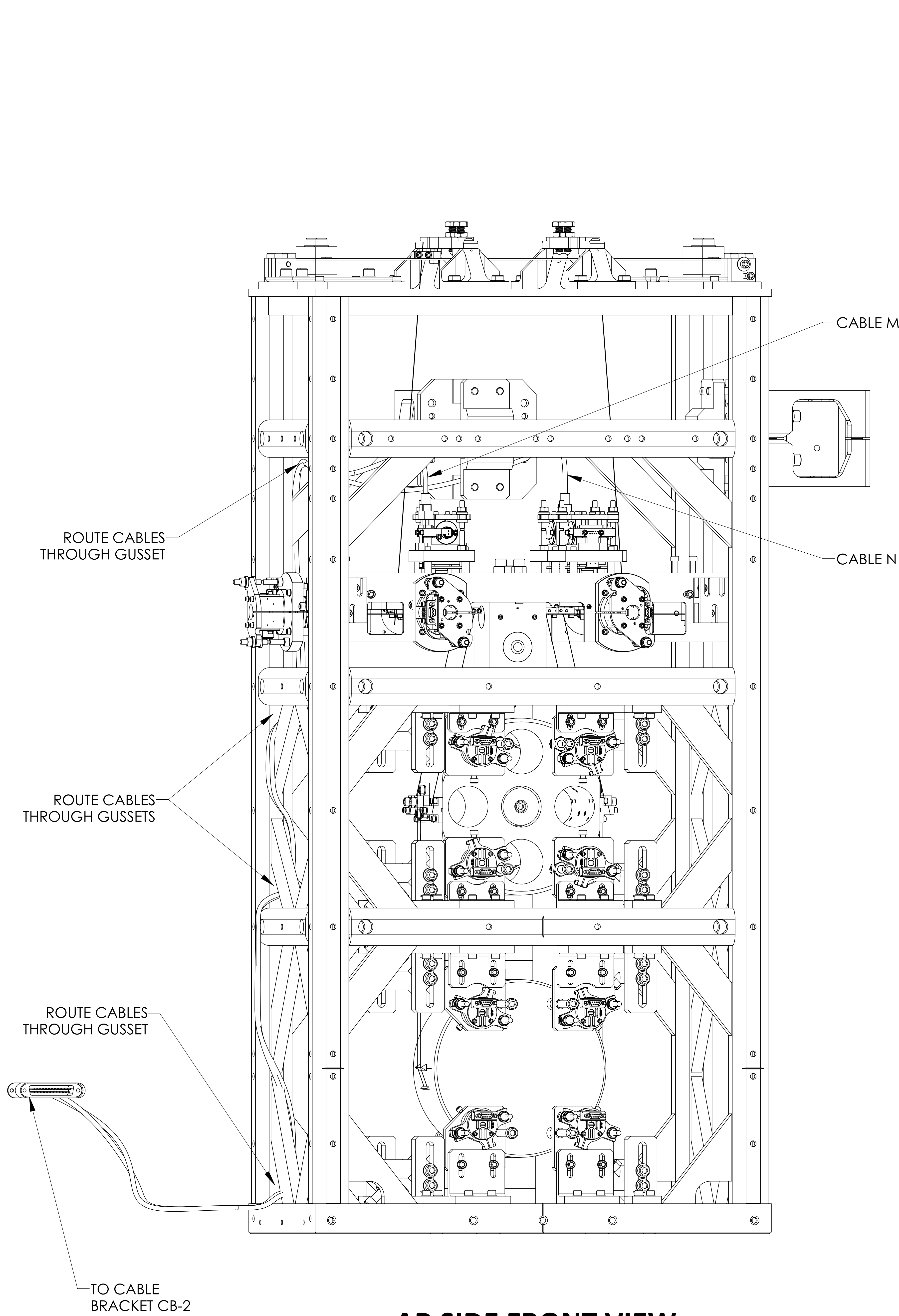
CABLE ASSEMBLY D2100049 - 45"

ROUTE NO 3
SEE T1200318 FOR STEP BY STEP CABLING GUIDE

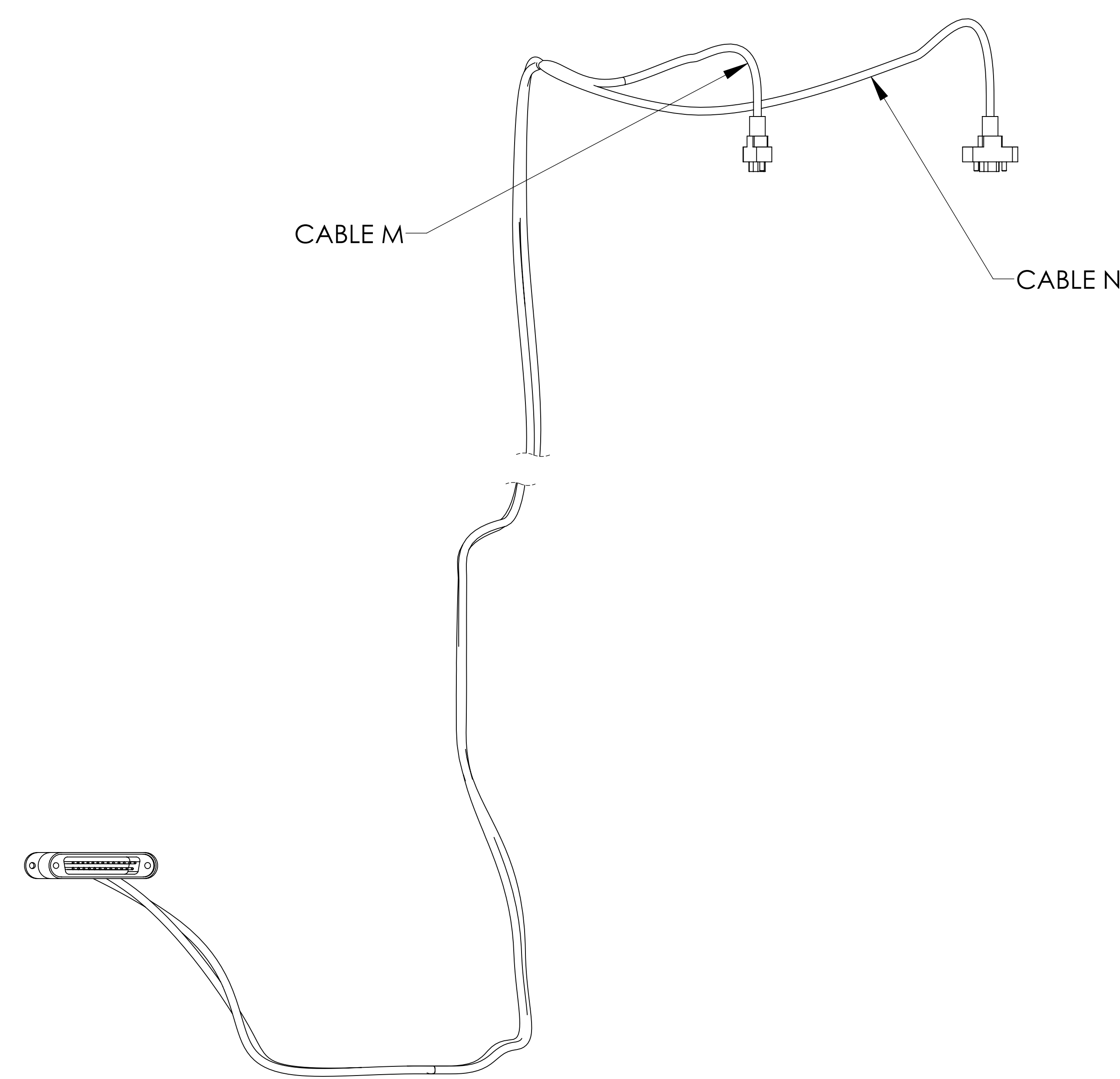


CABLE ASSEMBLY D2100049 - 54"

ROUTE NO 4
SEE T1200318 FOR STEP BY STEP CABLING GUIDE

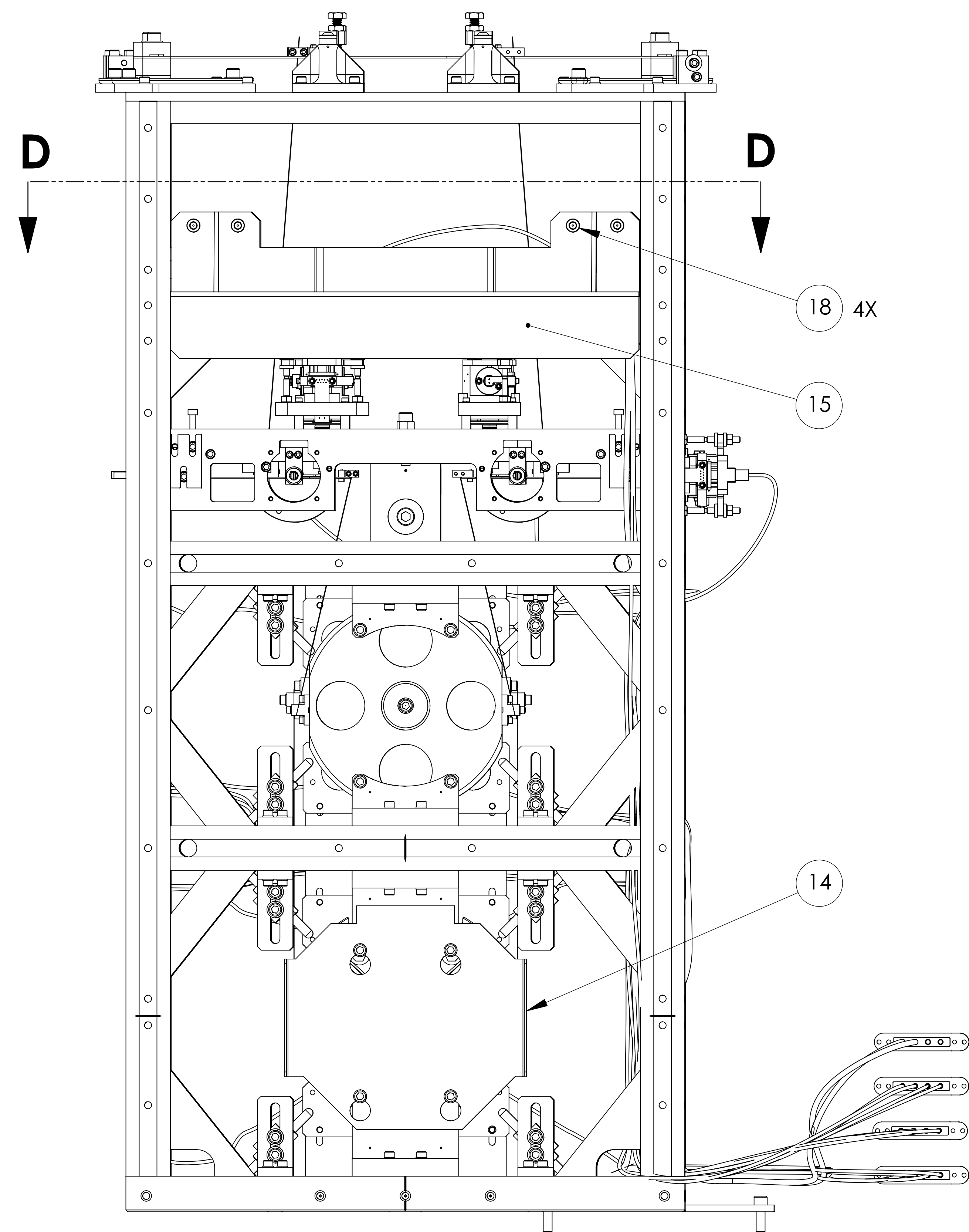
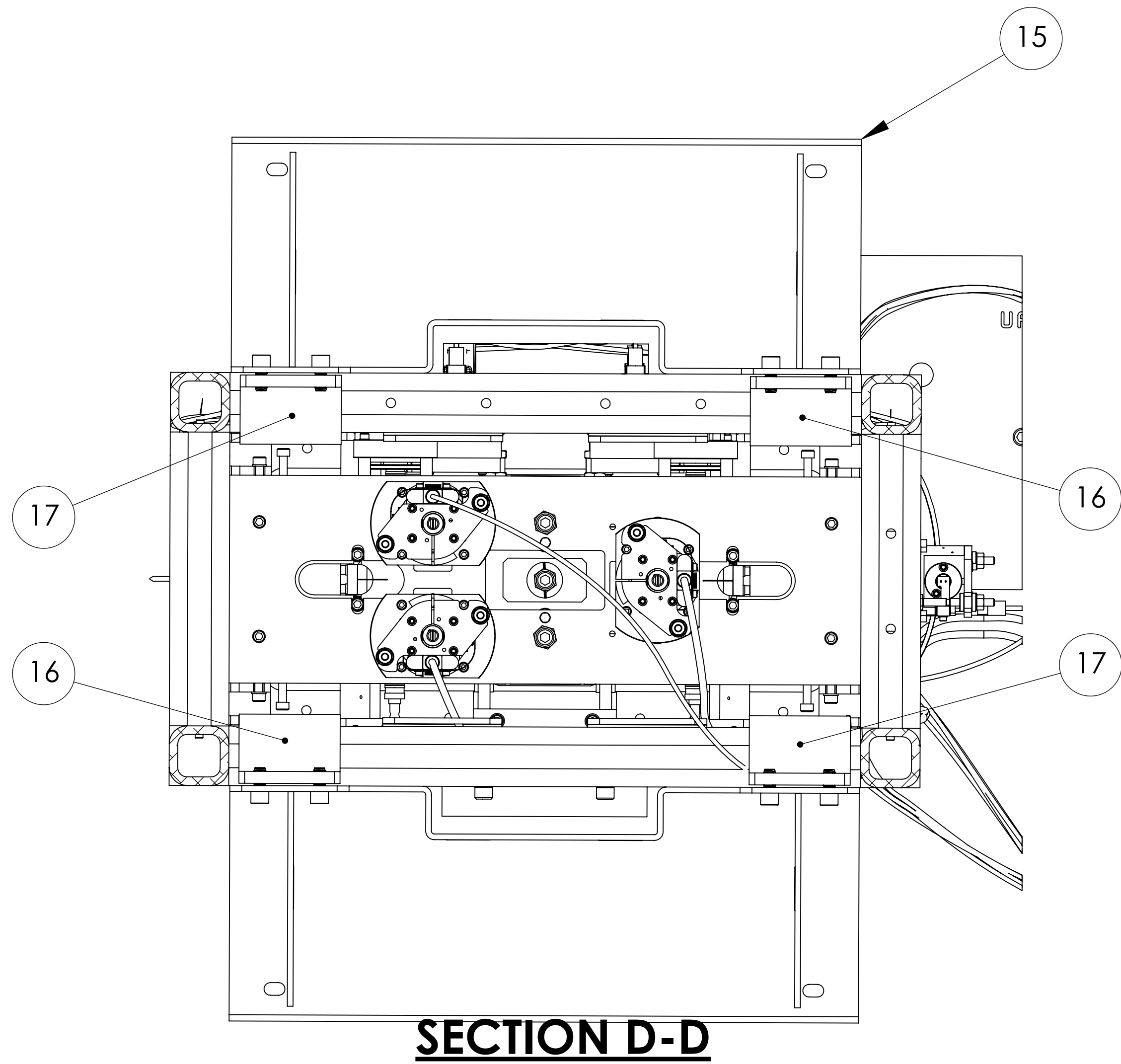


TOP VIEW

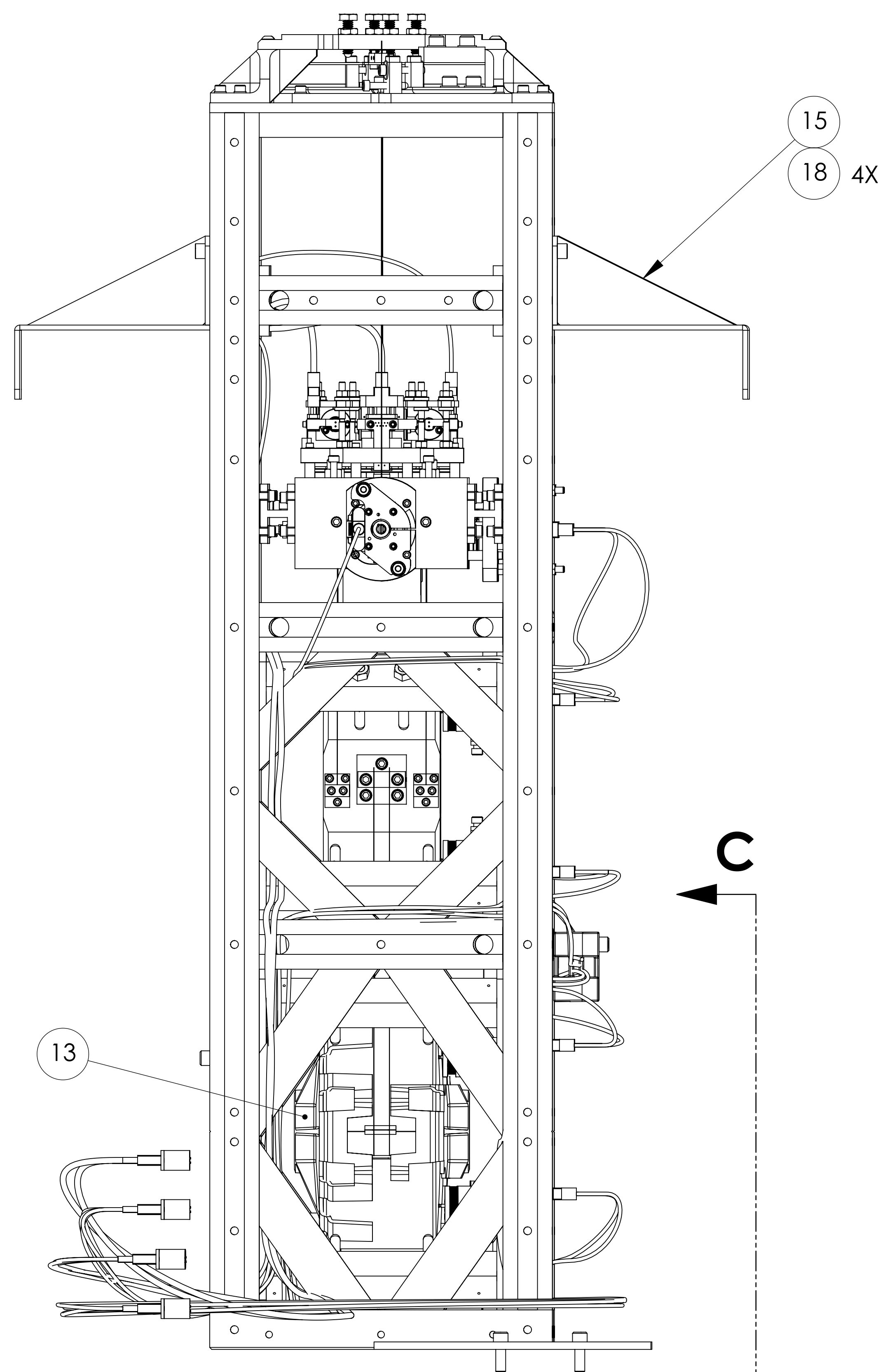


CABLE ASSEMBLY D2100050 - 54"

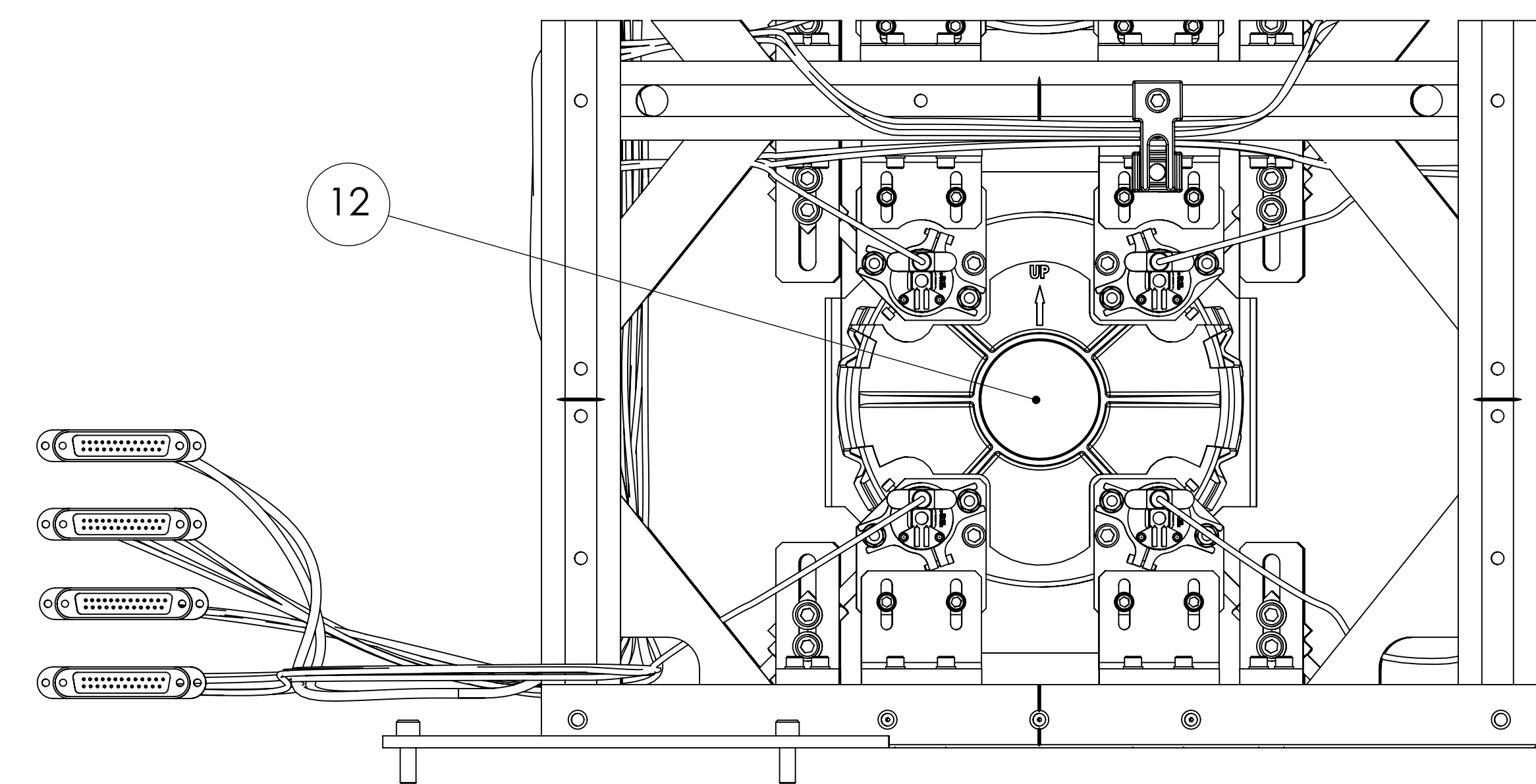
HSTS FC2 STRUCTURE TRANSPORTATION



HR SIDE - FRONT VIEW



RIGHT SIDE VIEW



VIEW C-C

PARTS LIST				
ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	REQ
12	D1102299	HSTS OPTICS CAP - BACK SIDE	PET	1
13	D1101143	HSTS OPTICS CAP.SLDPRT	PET	1
14	D1102308	HSTS OPTIC FACE SHIELD	5052-H32	1
15	D1001788	HSTS BRACKET, HAM STRUCTURE LIFT	304 SSSL	2
16	D1101496	HSTS BRACKET CLAMP, HAM STRUCTURE LIFT-LH	6061-T6 Al	2
17	D1101495	HSTS BRACKET CLAMP, HAM STRUCTURE LIFT-RH	6061-T6 Al	2
18	92200A537	SOCKET HEAD CAP SCREW, .25-20 UNC X .50 LG, (MS 16995-48 OR EQUIV)	300 SSSL	8