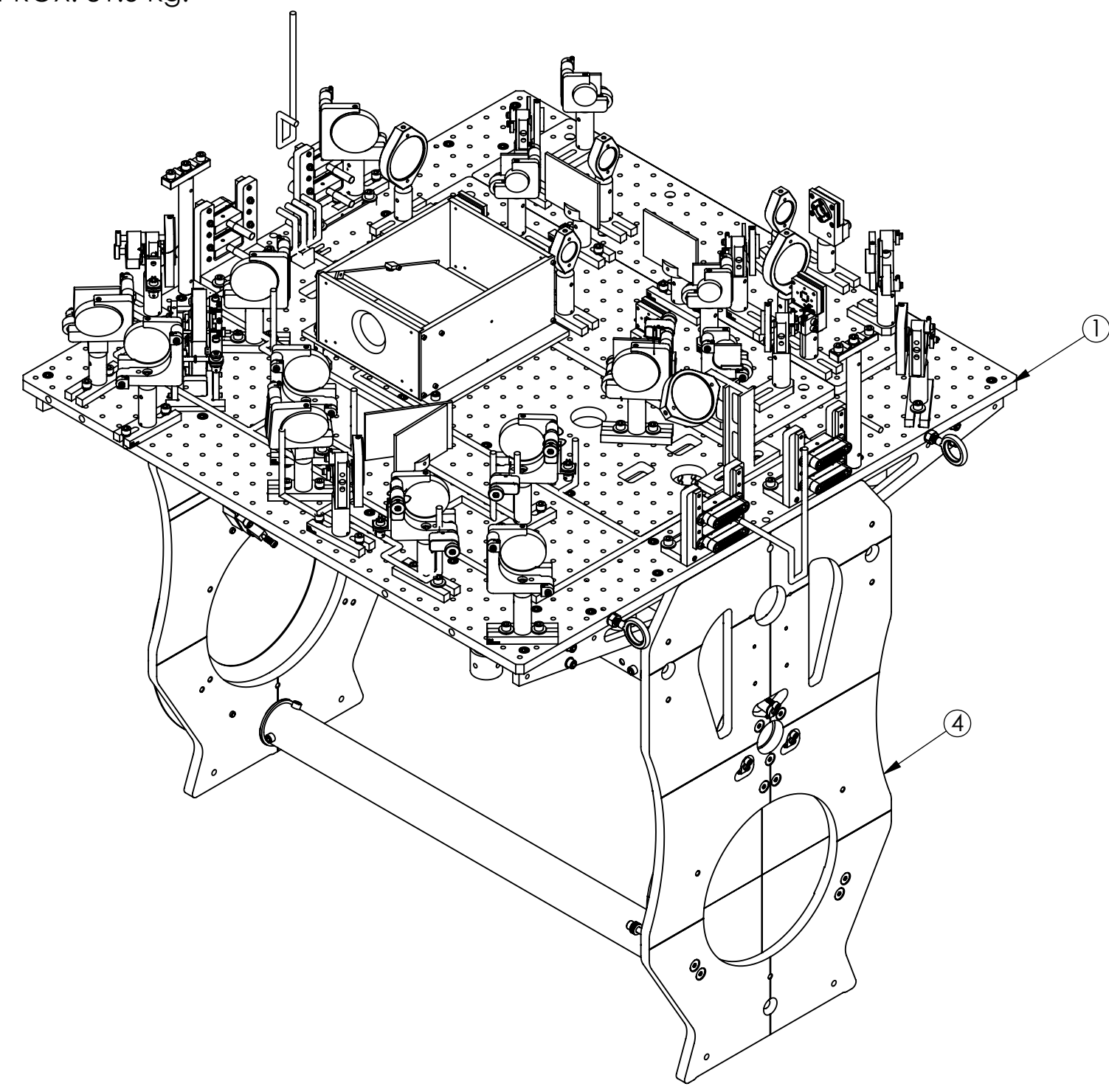


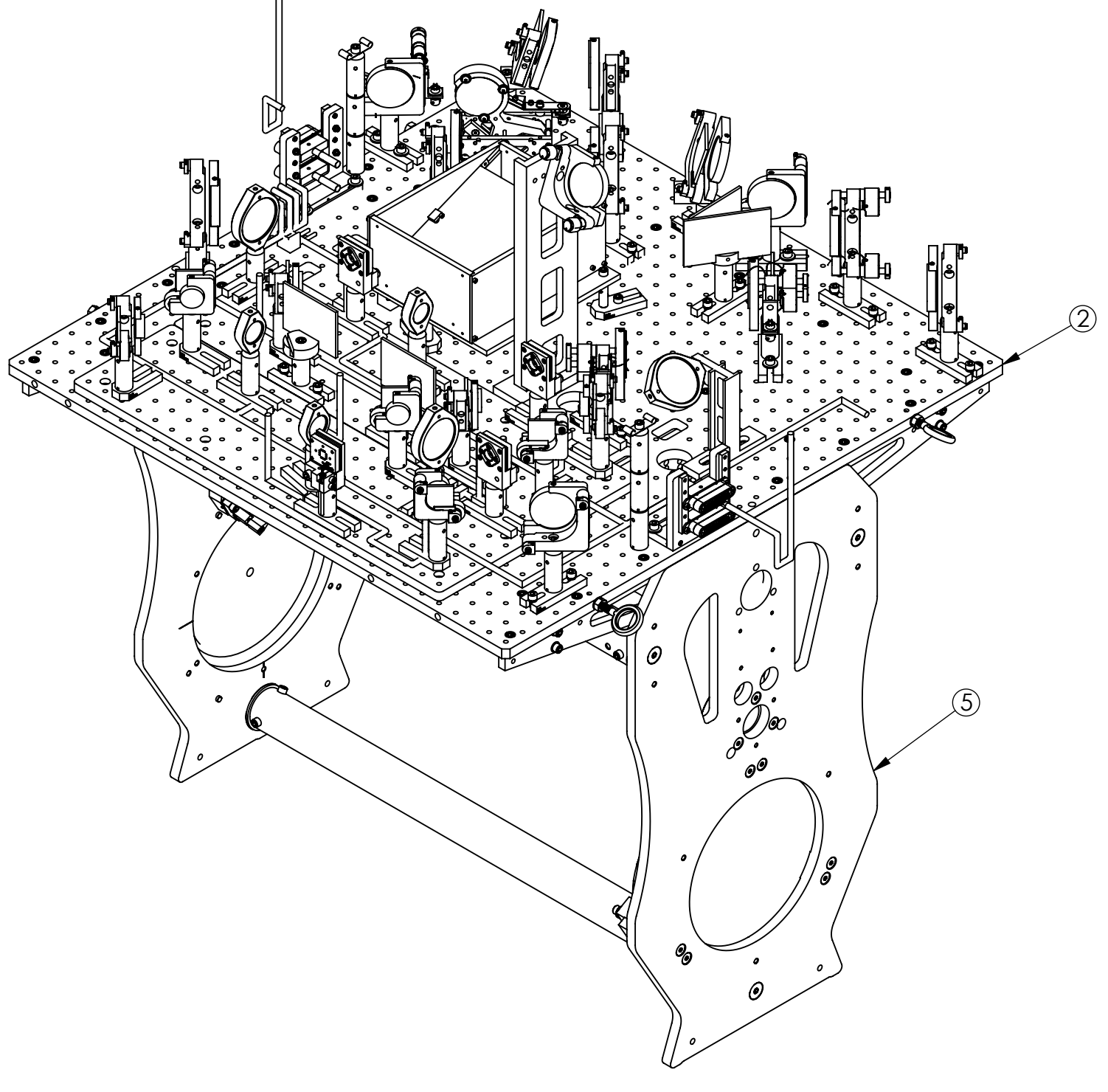
**NOTES CONTINUED:**

- BAG OR WRAP AND TAG ASSEMBLY WITH DRAWING NUMBER, REVISION, TYPE, AND SERIAL NUMBER. SERIAL NUMBERS START AT 001 FOR THE FIRST ARTICLE AND PROCEED CONSECUTIVELY.  
EXAMPLE (TAG): DXXXXXX-VY, TYPE -02, S/N 001
- MASS: APPROX. 81.5 Kg.

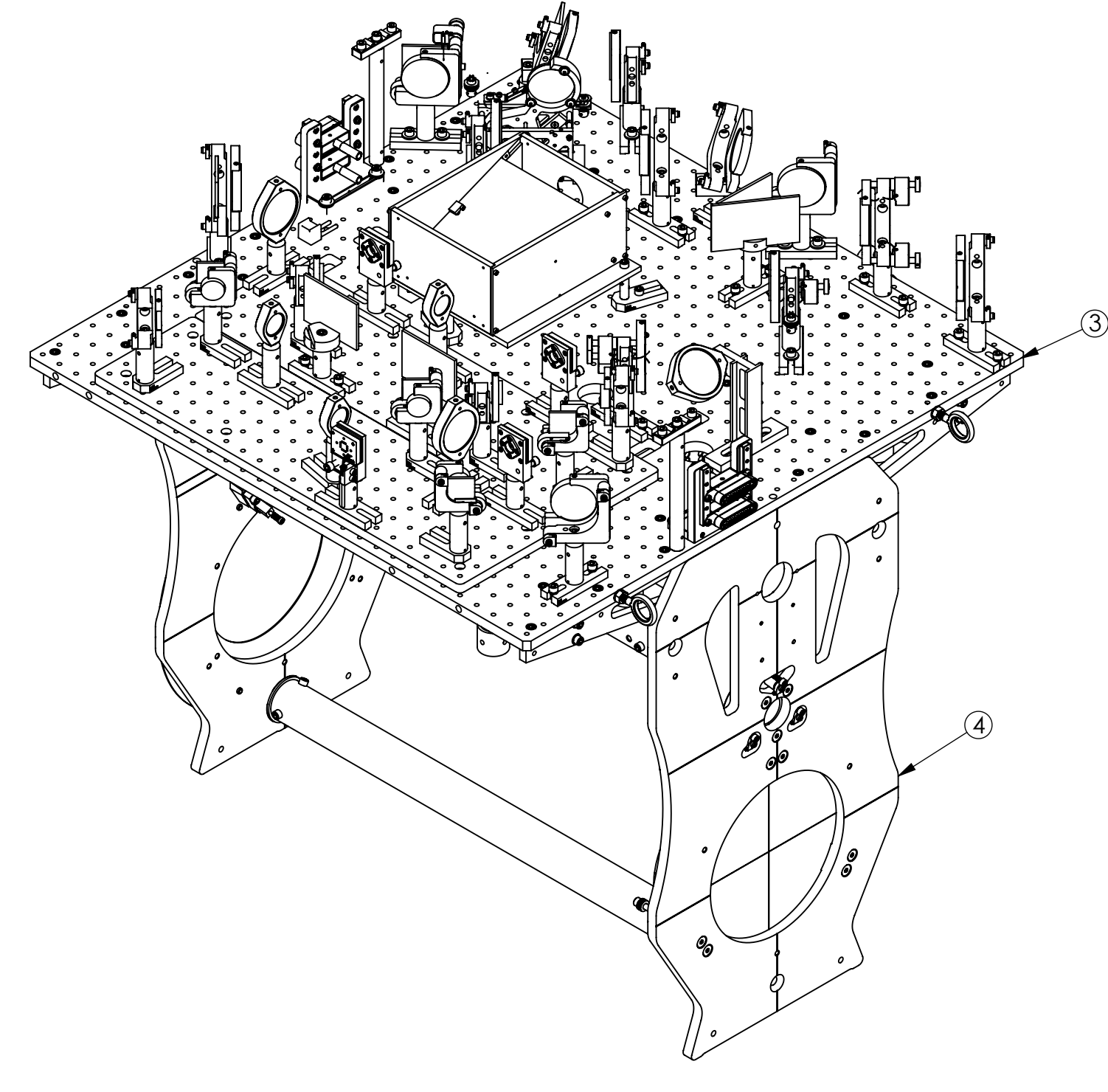
REV.	DATE	DCN #	DRAWING TREE #
v1	06 FEB 2012	E1100351	E1100618-v1
v5	27 JUN 2013	E1300561-x0	-
v6	19 JUL 2013	E1300609-x0	-



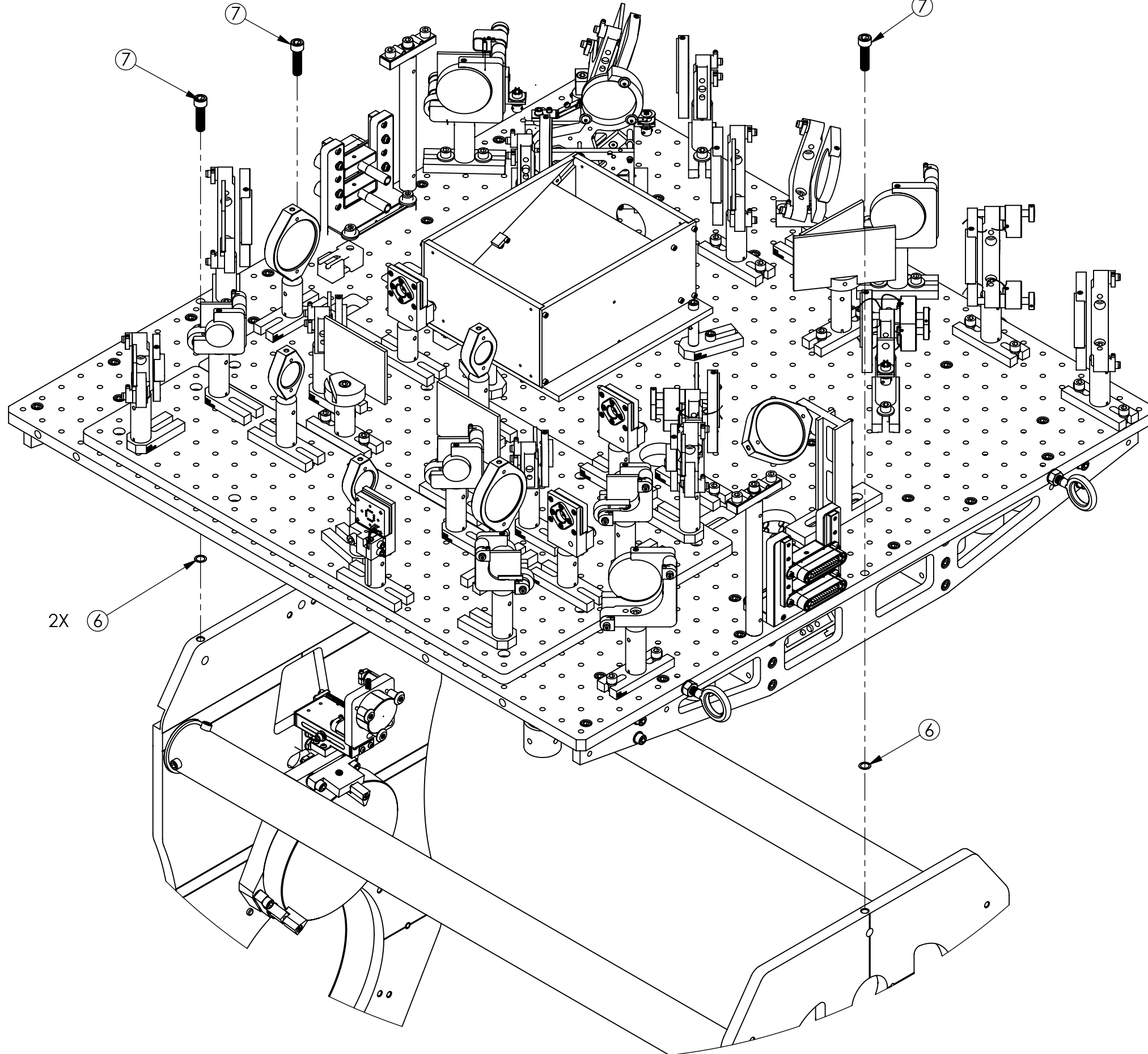
**-01 (X-ARM)**  
(SEE SHEET 2, FOR DETAILS)



**-02 (Y-ARM, FA)**  
(SEE SHEET 3, FOR DETAILS)



**-03 (Y-ARM)**  
(SEE SHEET 4, FOR DETAILS)



**-03 SHOWN**  
(MT. HARDWARE, TYPICAL TO ALL CONFIGS)

ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	-01, X-ARM/QTY.	-03, Y-ARM/QTY.	-02, Y-ARM (FA)/REQ	SPARE	TOTAL
7	C-1820-N UC COMPONENTS OR EQ.	SCREW, SHC, 5/16-18 X 1.12 LG.	18-8 SSSL	3	3	3	2	5
6	90792A329 McMASTER-CARR OR EQ.	SHIM WASHER .314 ID, .438 OD, .010 TH	316 SSSL	3	3	3	5	8
5	D1003120	ALIGO TMS TELESCOPE FRAME ASSEMBLY	N/A	-	-	1	-	1
4	D1102361	ALIGO TMS TELESCOPE FRAME ASSEMBLY	N/A	1	1	-	-	1
3	D1000484-03	ISC TRANSMON ASSEMBLY, Y-ARM	N/A	-	1	-	-	1
2	D1000484-02	ISC TRANSMON ASSEMBLY, Y-ARM (first article)	N/A	-	-	1	-	1
1	D1000484-01	ISC TRANSMON ASSEMBLY, X-ARM	N/A	1	-	-	-	1

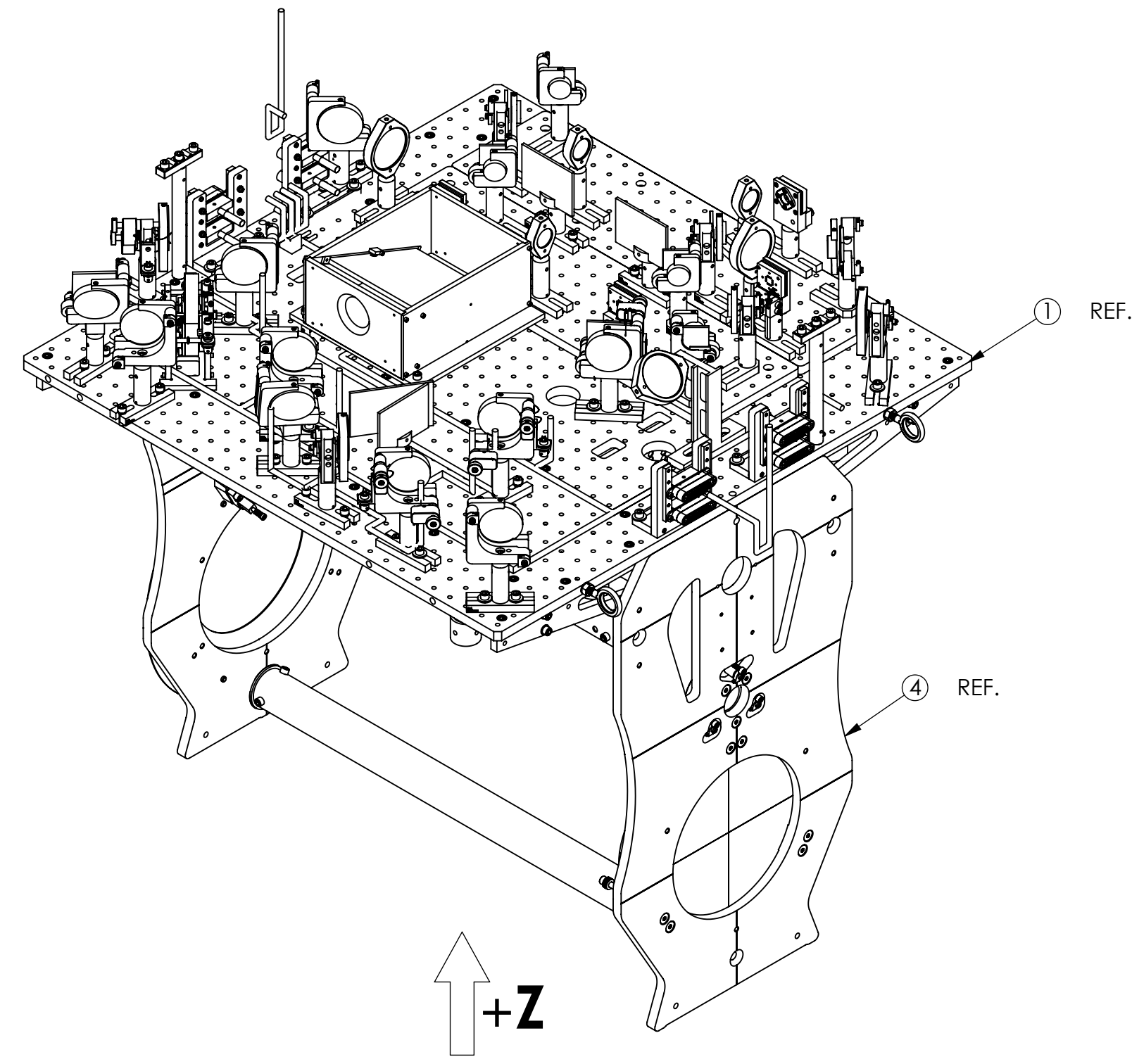
NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)

CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PARTS LIST PART NAME <b>ALIGO TMS TELESCOPE ASSEMBLY</b>	
SYSTEM	ADVANCED LIGO	SUB-SYSTEM	AOS
DESIGNER	K. MAILAND	17 SEP 2010	SIZE DWG. NO.
DRAFTER	C. CONLEY	06 FEB 2012	<b>D</b>
CHECKER	SEE DCN	SEE DCN	<b>D1002460</b>
APPROVAL	SEE DCN	SEE DCN	SCALE: 1:4
MATERIAL	N/A	FINISH	N/A μinch
		NEXT ASSY	D0901880
		PROJECTION:	
		REVISION	v6
		SHEET 1 OF 6	

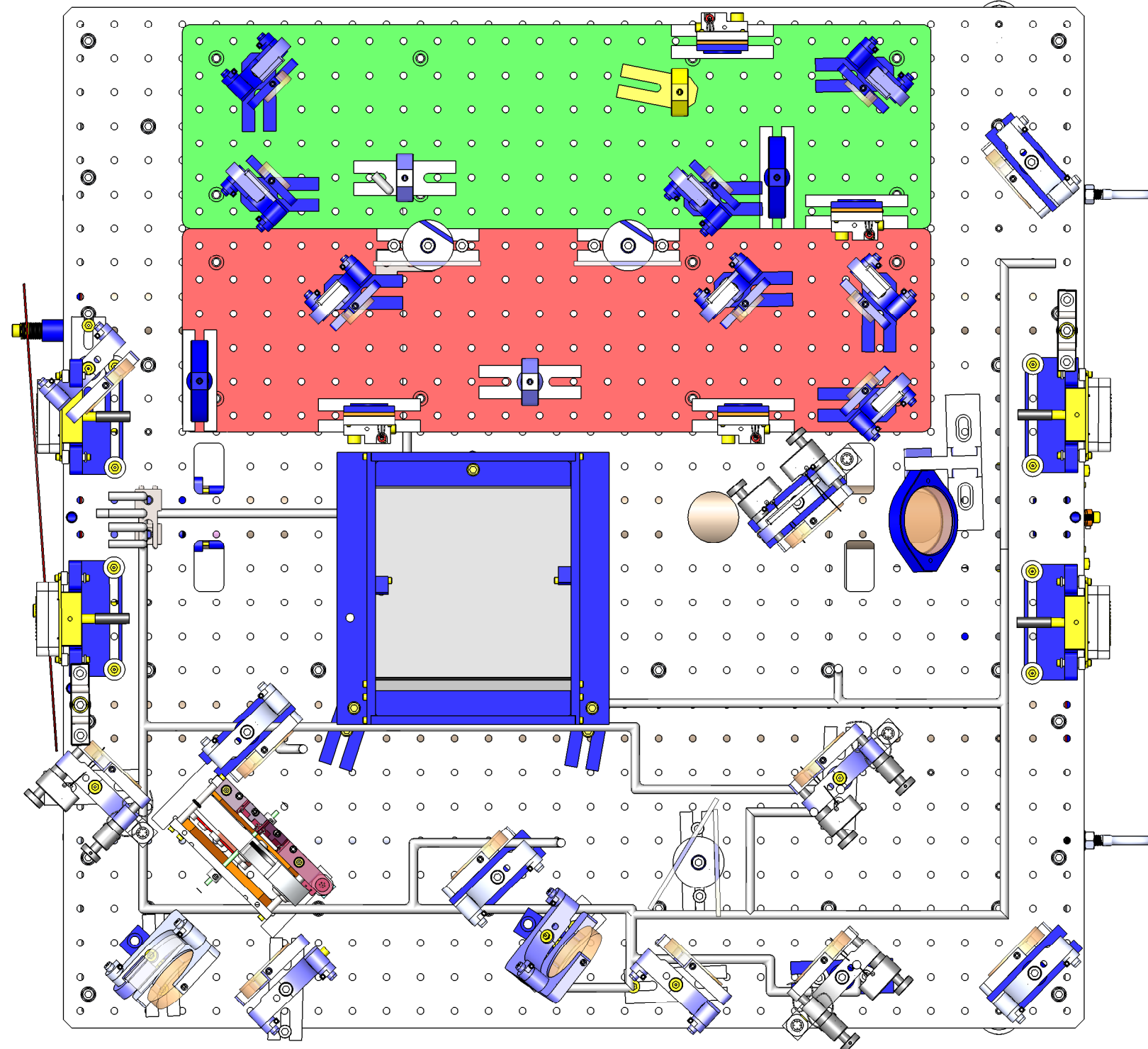
D1002460 ALIGO TMS Telescope Assemn. PART PDM REV: X-308. DRAWING PDM REV: X-027



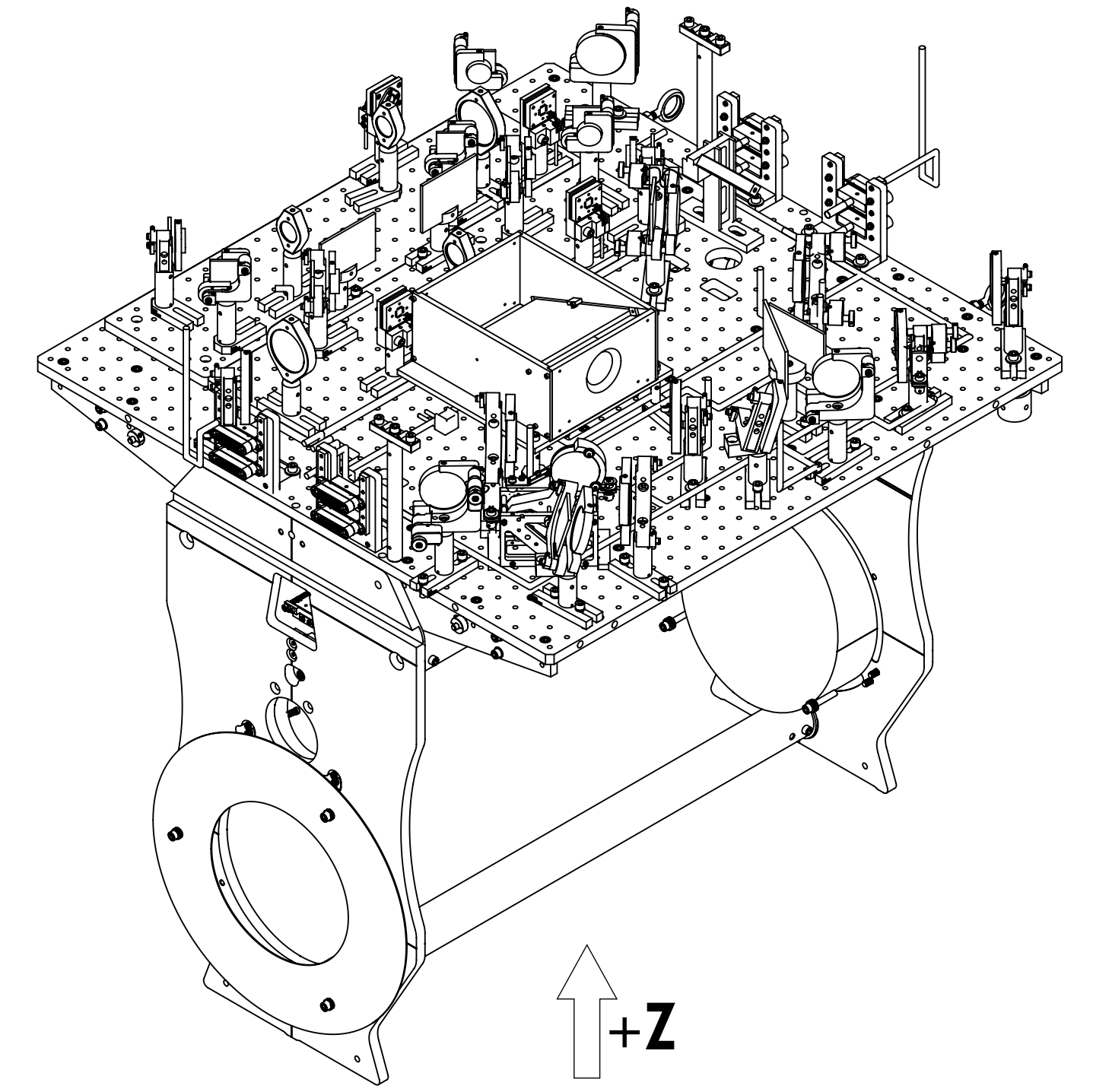
-01 (X-ARM)



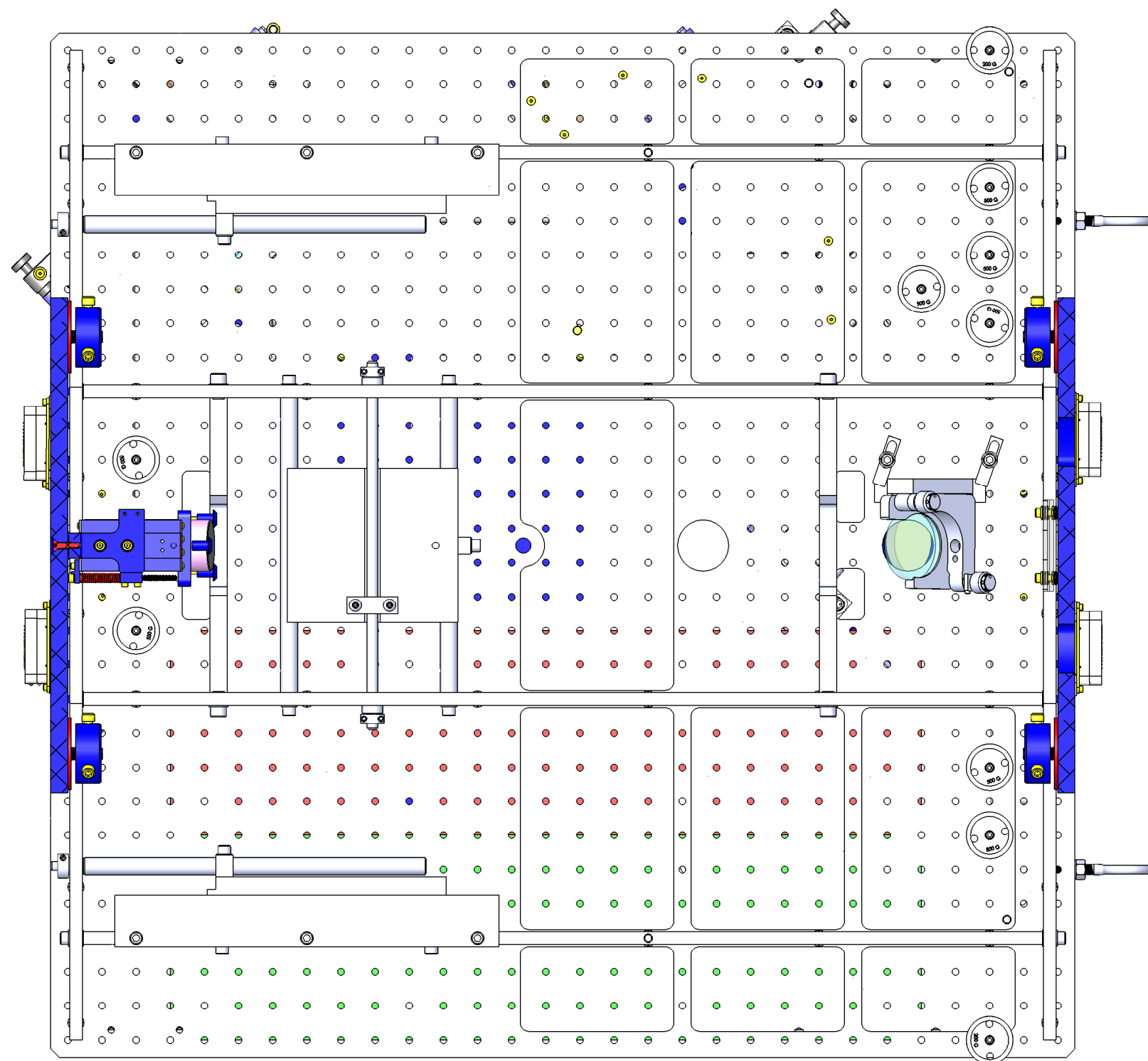
ISO VIEW, FRONT RIGHT



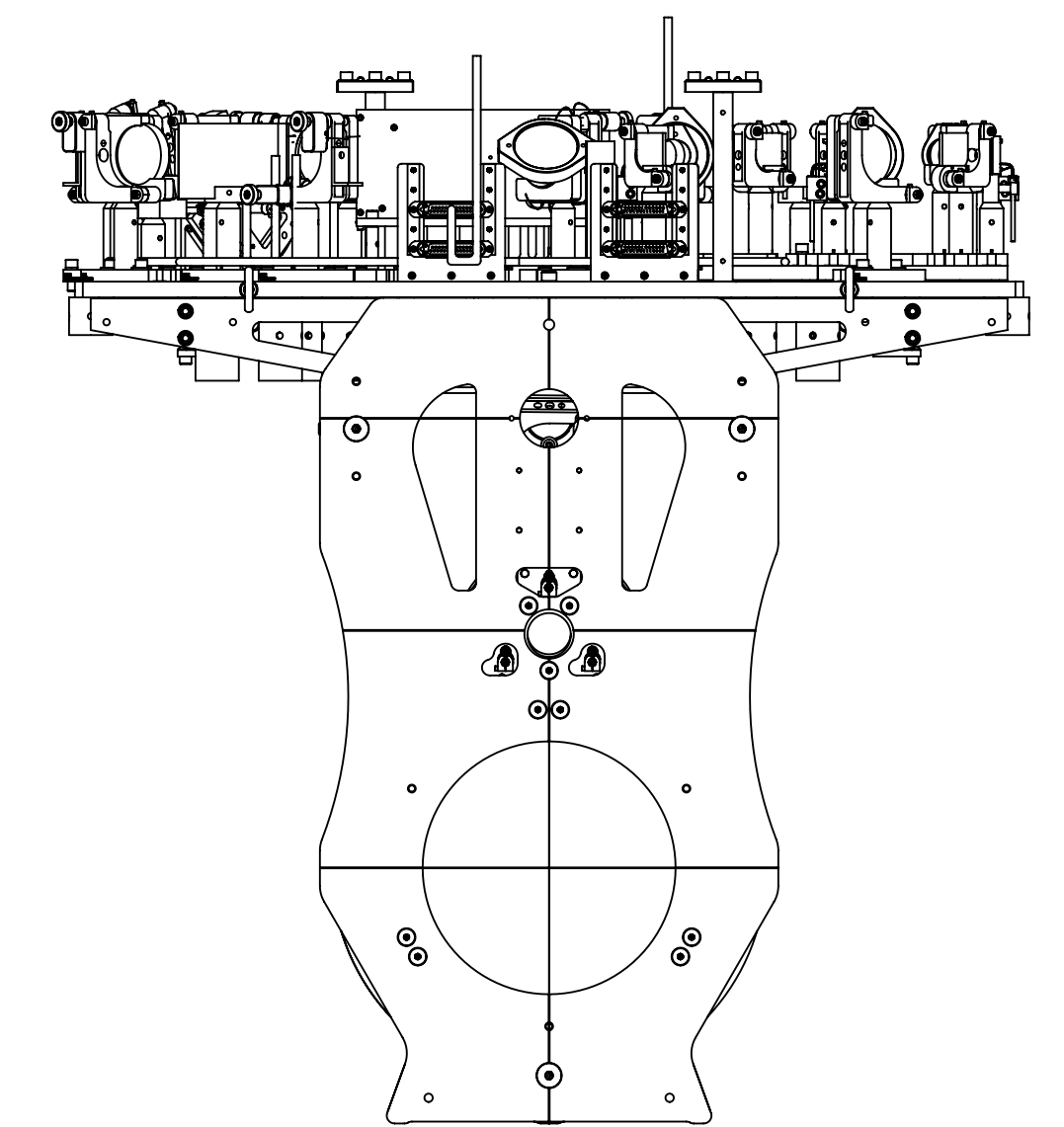
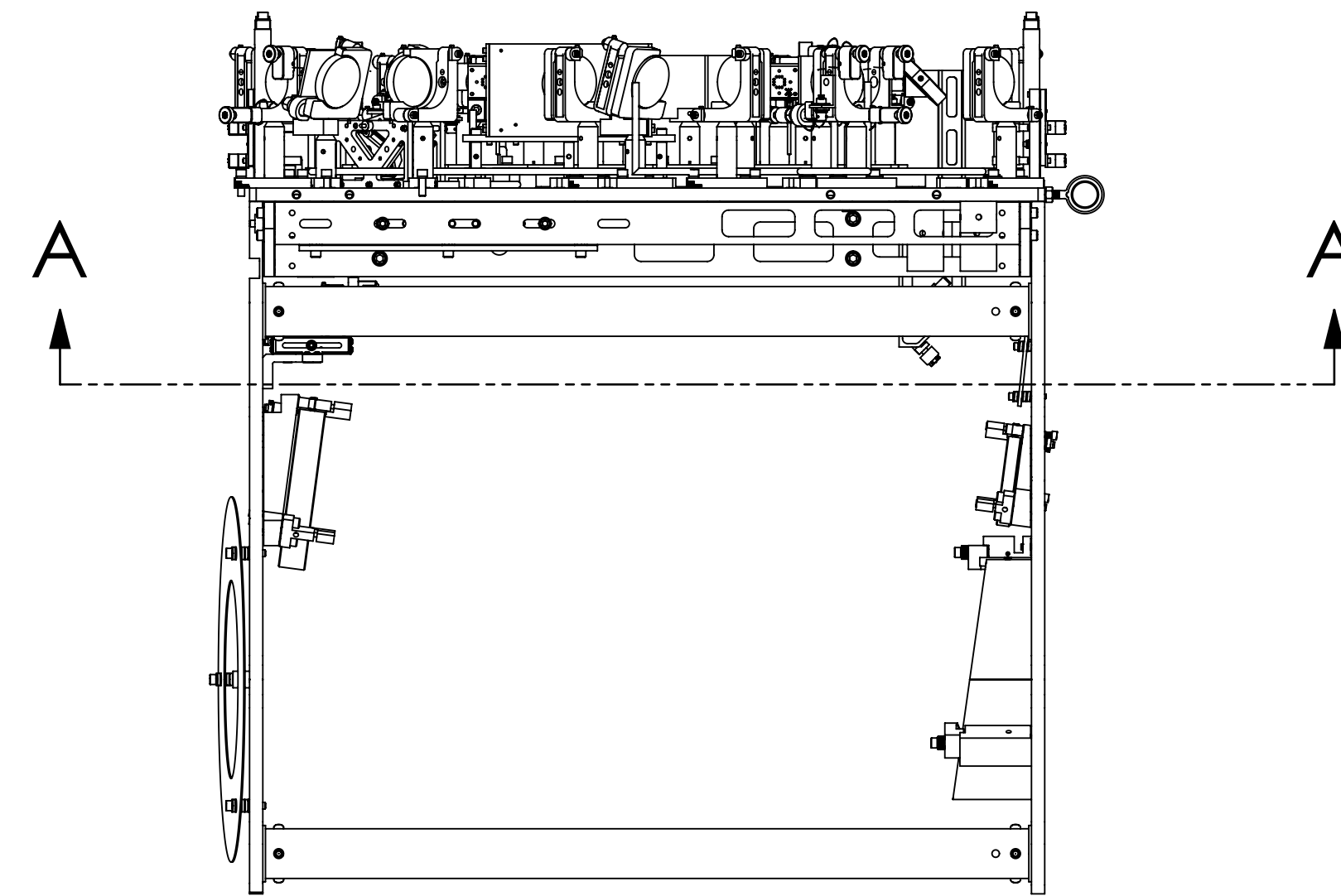
TOP VIEW, X-ARM  
(SEE SHEET 5 FOR SEE-THROUGH VIEW)



ISO VIEW, FRONT LEFT  
(ROTATED 90° CCW ABOUT Z)



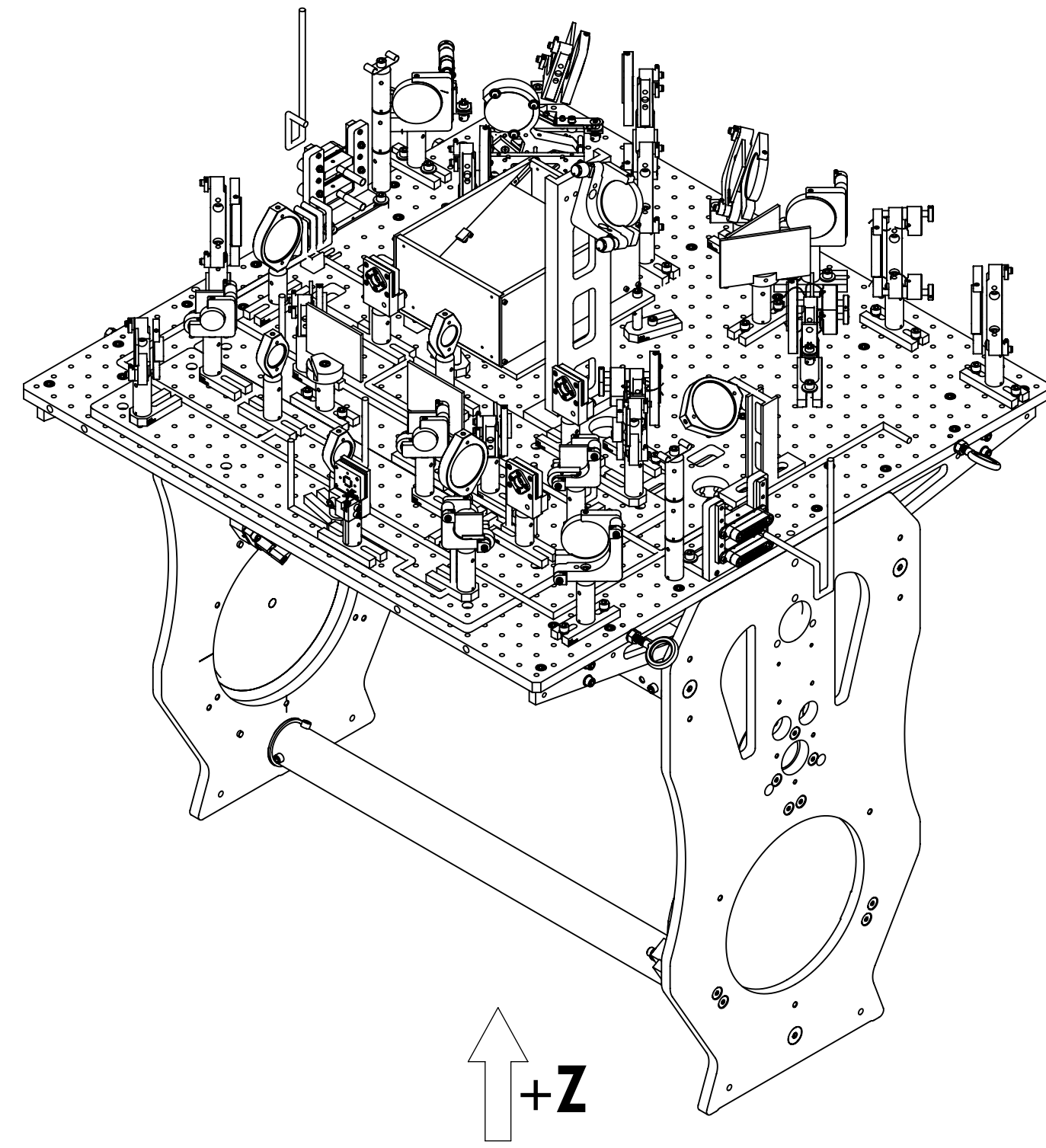
SECTION A-A  
FOR A COMPLETE ISC STRUCTURAL TABLE LAYOUT, SEE LIGO D1102291  
(BOTTOM VIEW: ETM TELE TUBE LIGO d1000072, NOT SHOWN)



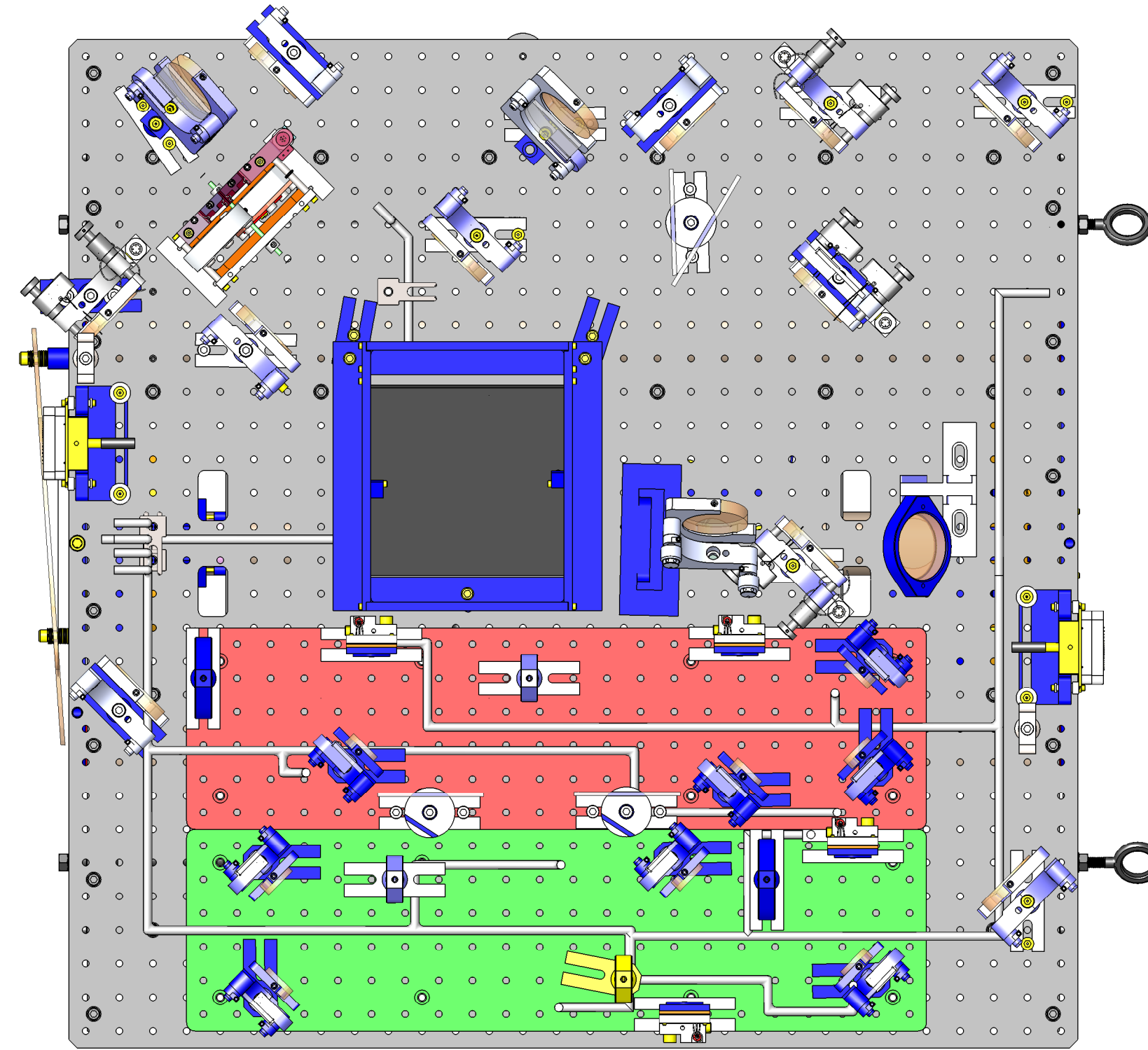
D1002460.dwg LIGO TMS Telescopes Assem. PART PDM REV: X-308 DRAWING PDM REV: X-027



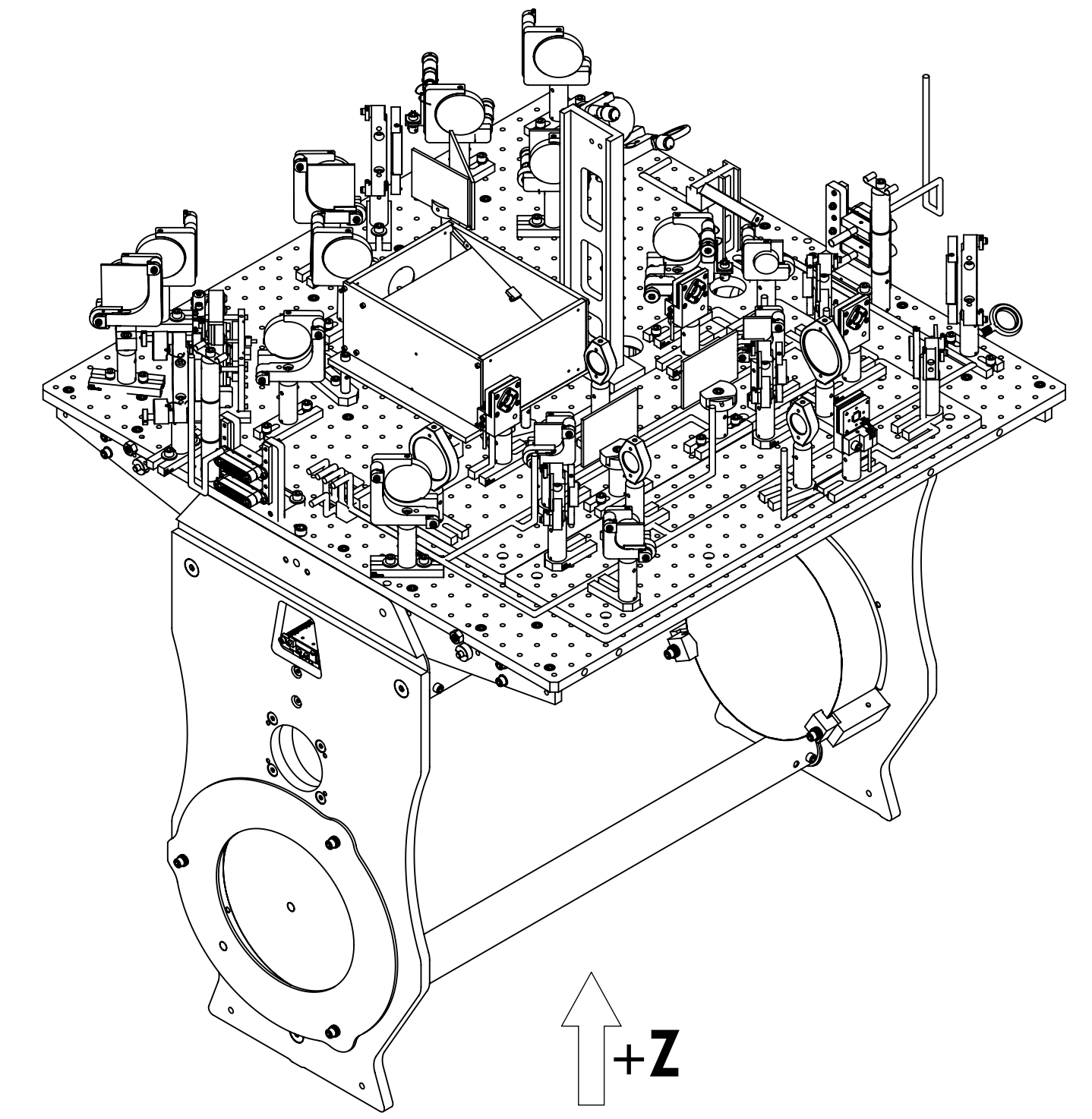
-02 (Y-ARM, FA)



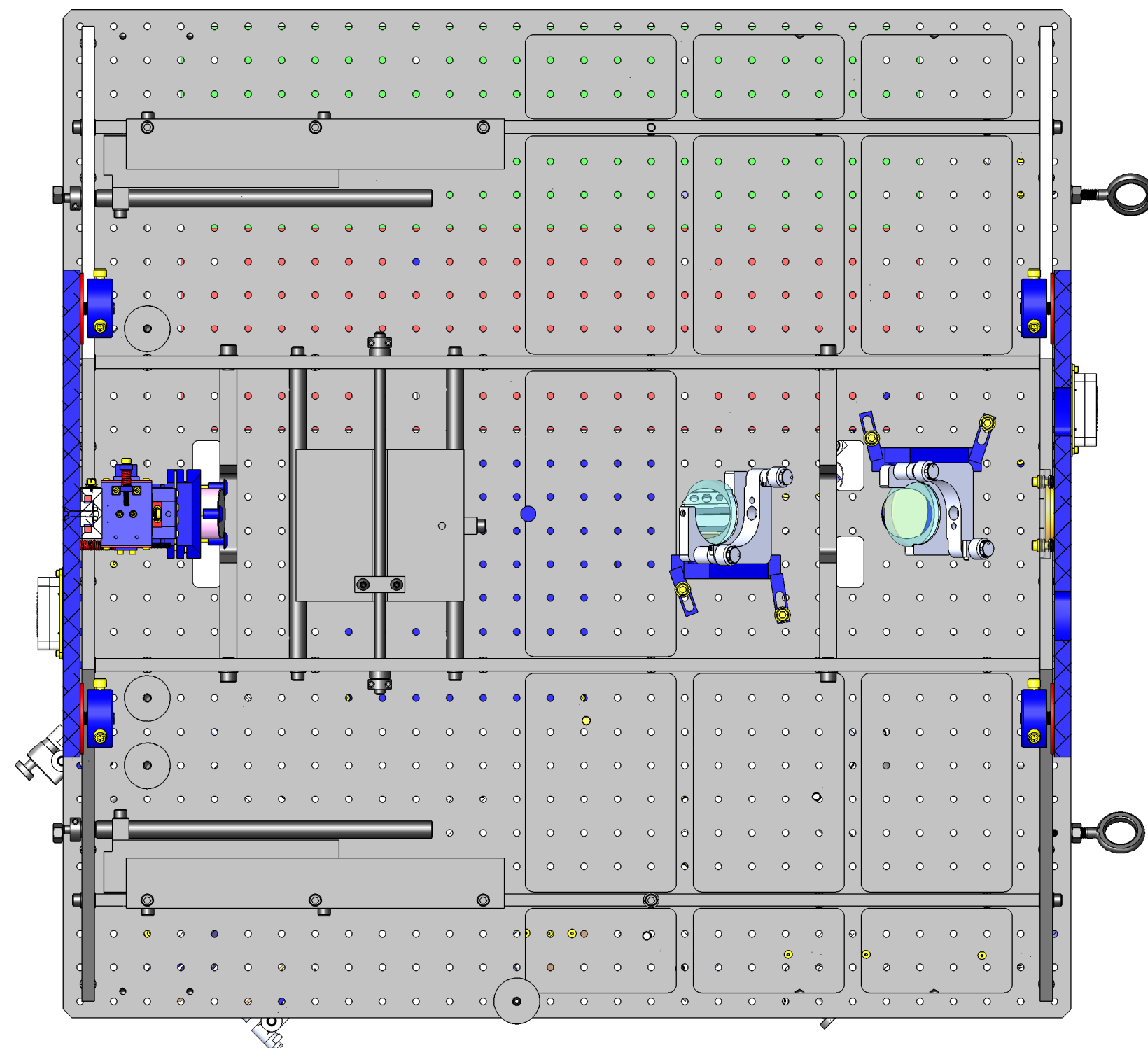
ISO VIEW, FRONT RIGHT



TOP VIEW, Y-ARM FA

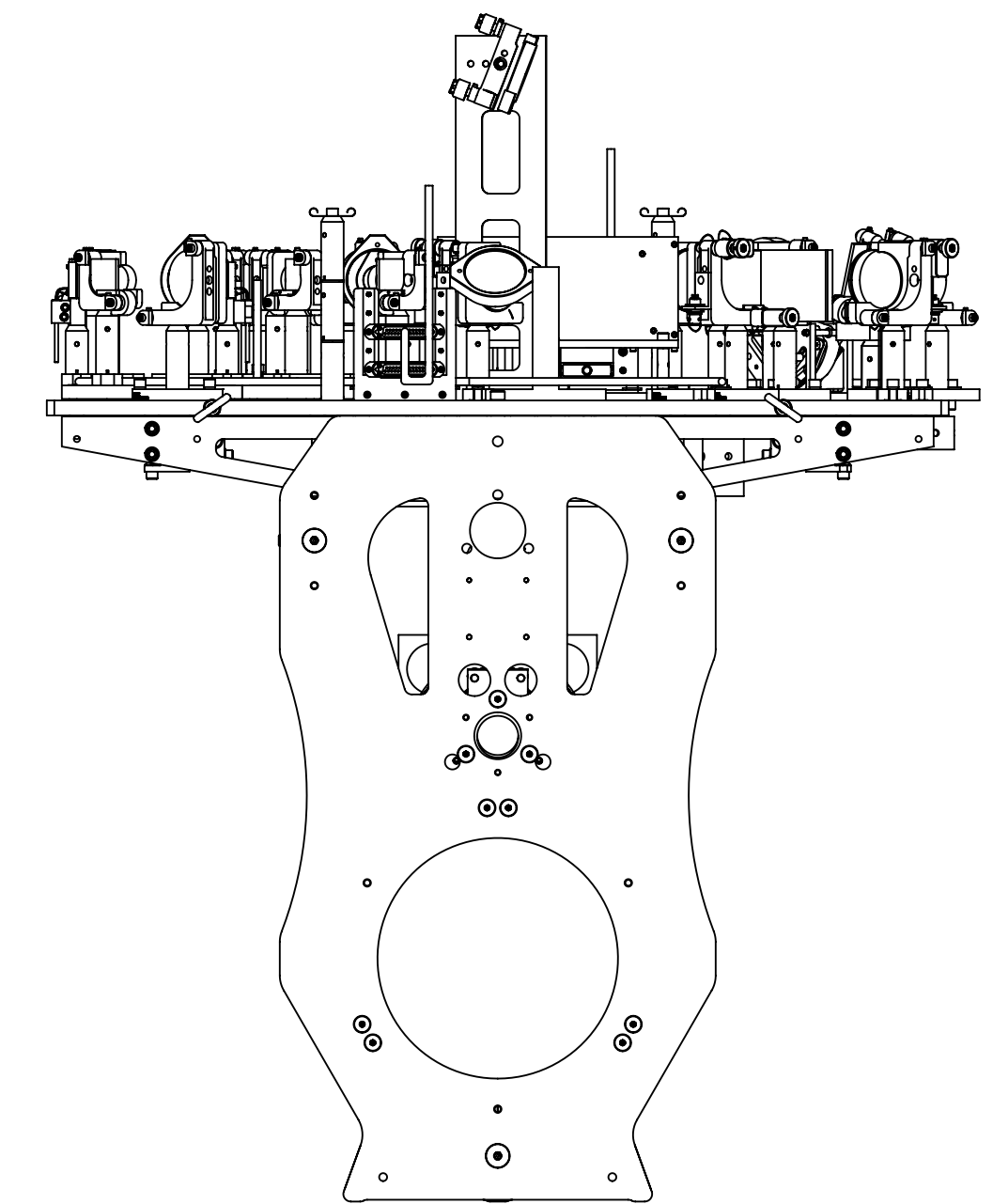
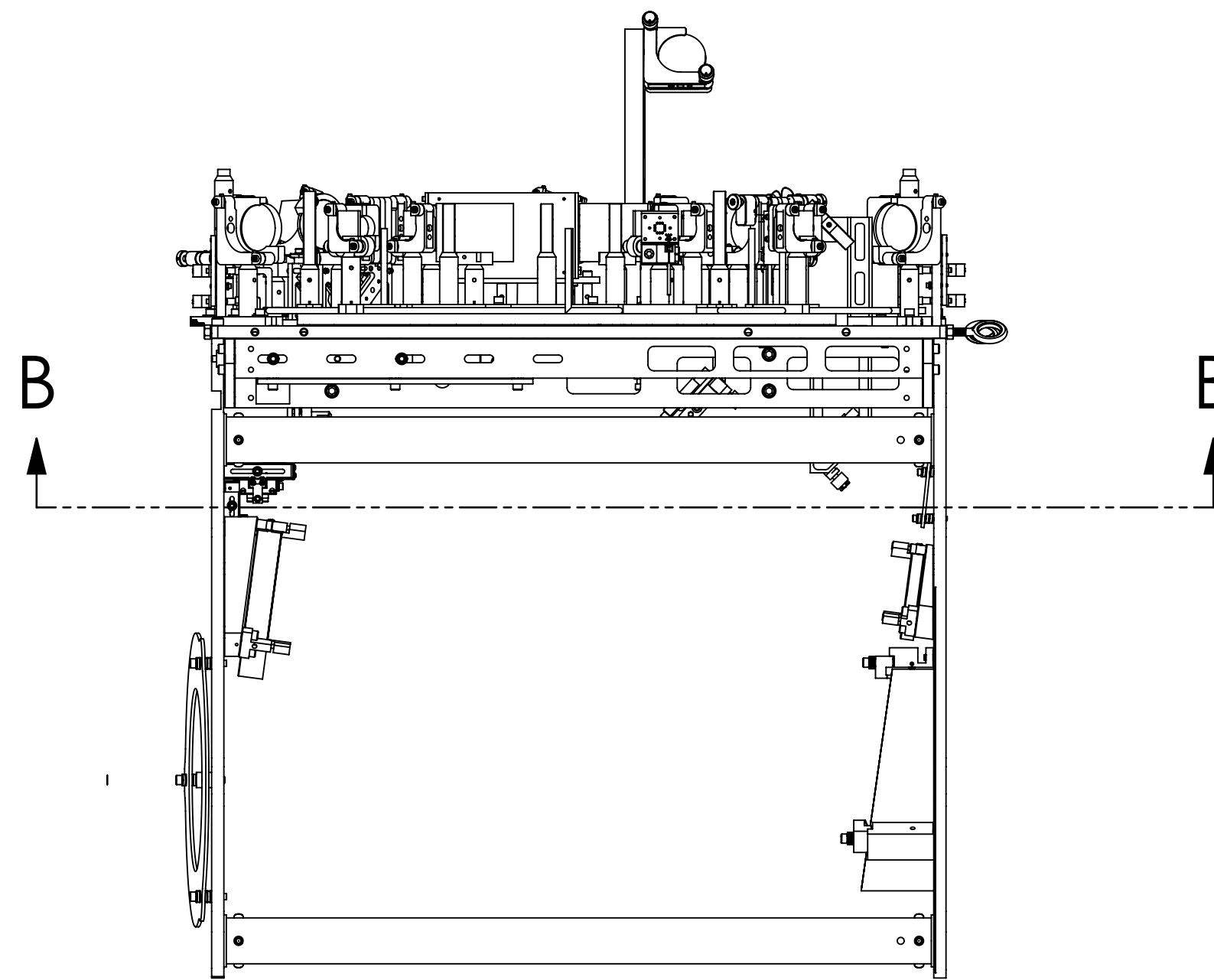


ISO VIEW, FRONT LEFT  
(ROTATED 90° CCW ABOUT Z)



SECTION B-B

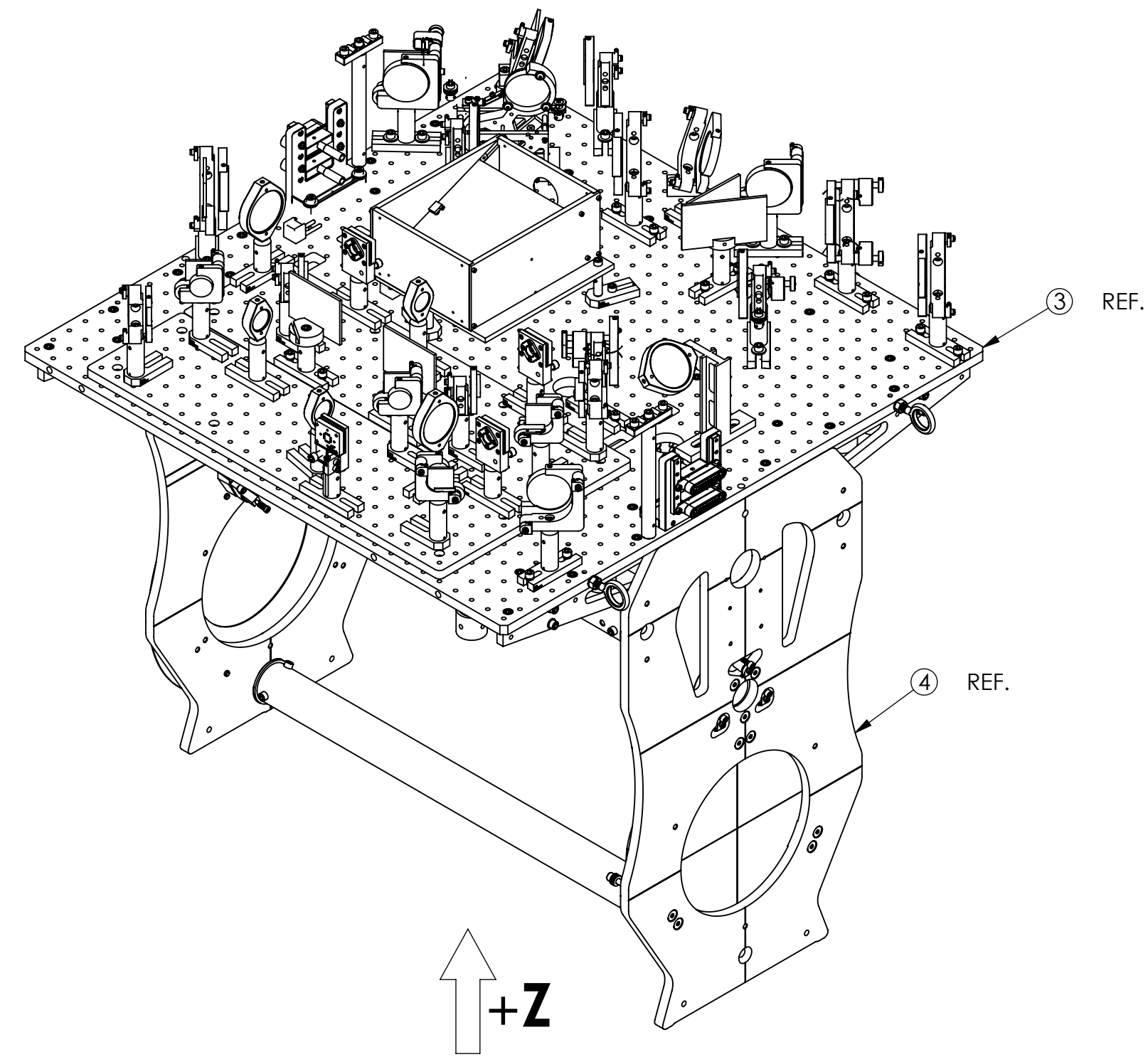
FOR A COMPLETE ISC STRUCTURAL TABLE LAYOUT, SEE LIGO D1102291  
(BOTTOM VIEW: EIM TELE TUBE LIGO d1000072, NOT SHOWN)



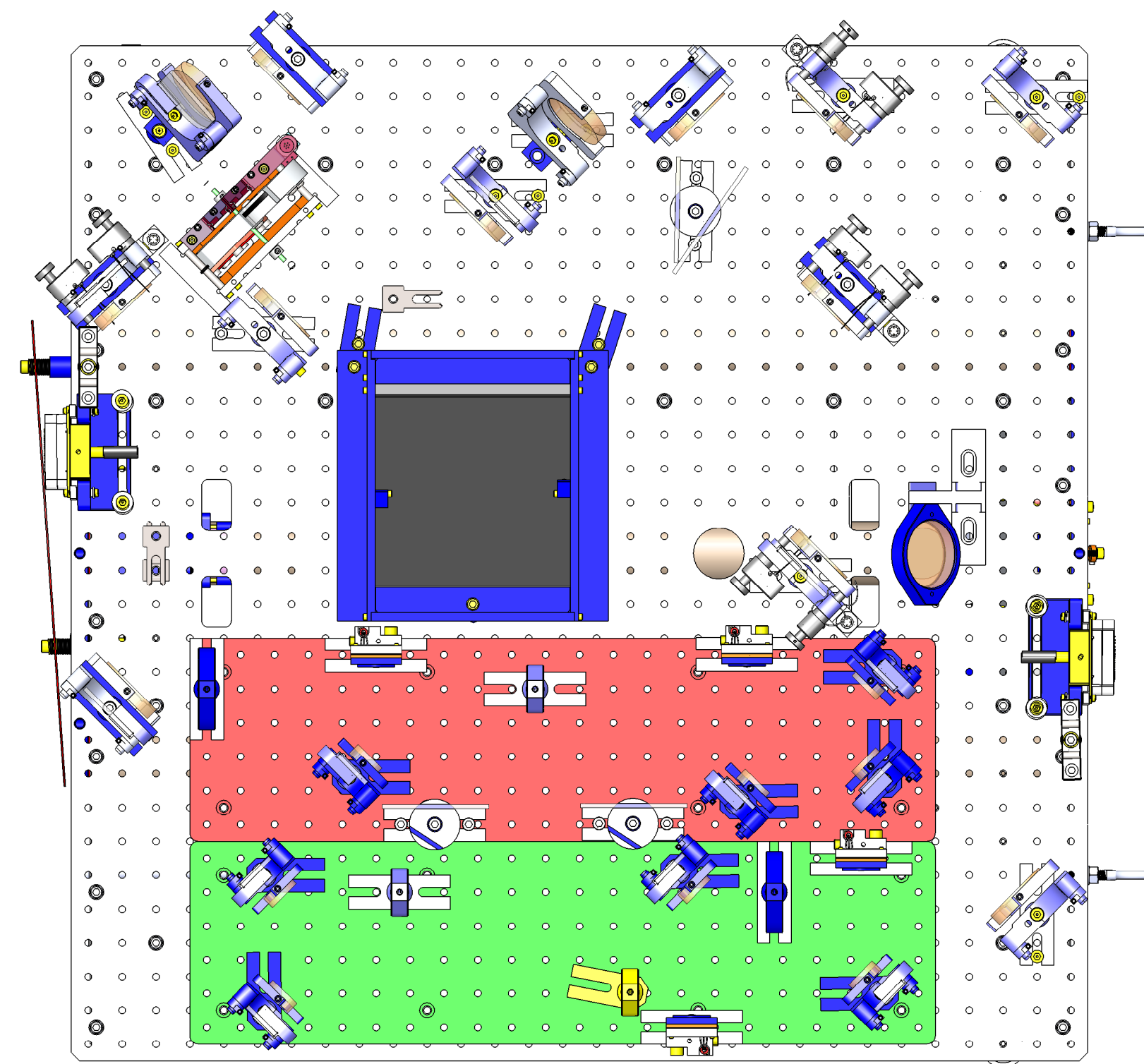
D1002460.dwg LIGO TMS Telescopes Assemn. PART PDM REV: X-308. DRAWING PDM REV: X-027



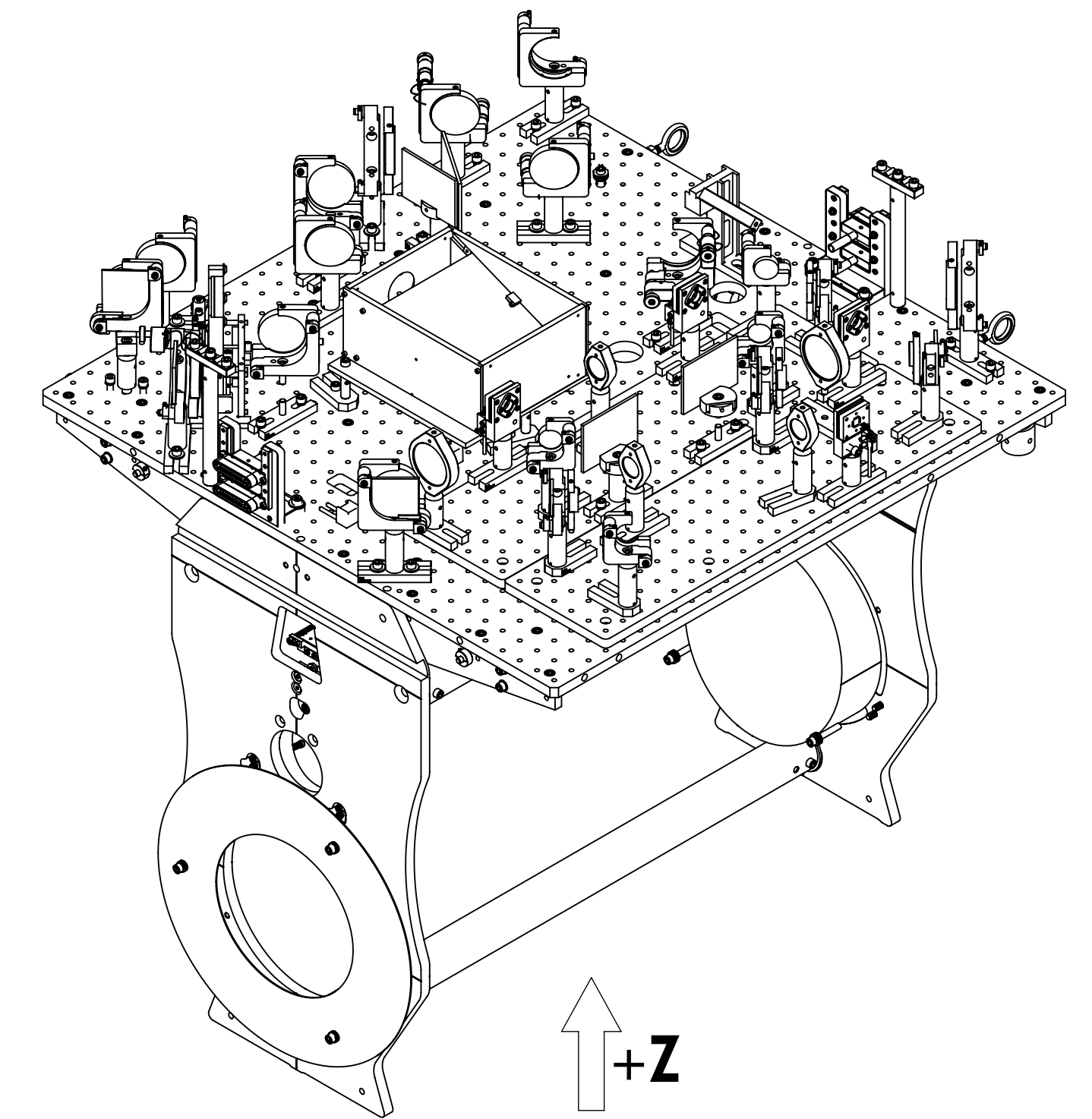
**-03 (Y-ARM)**



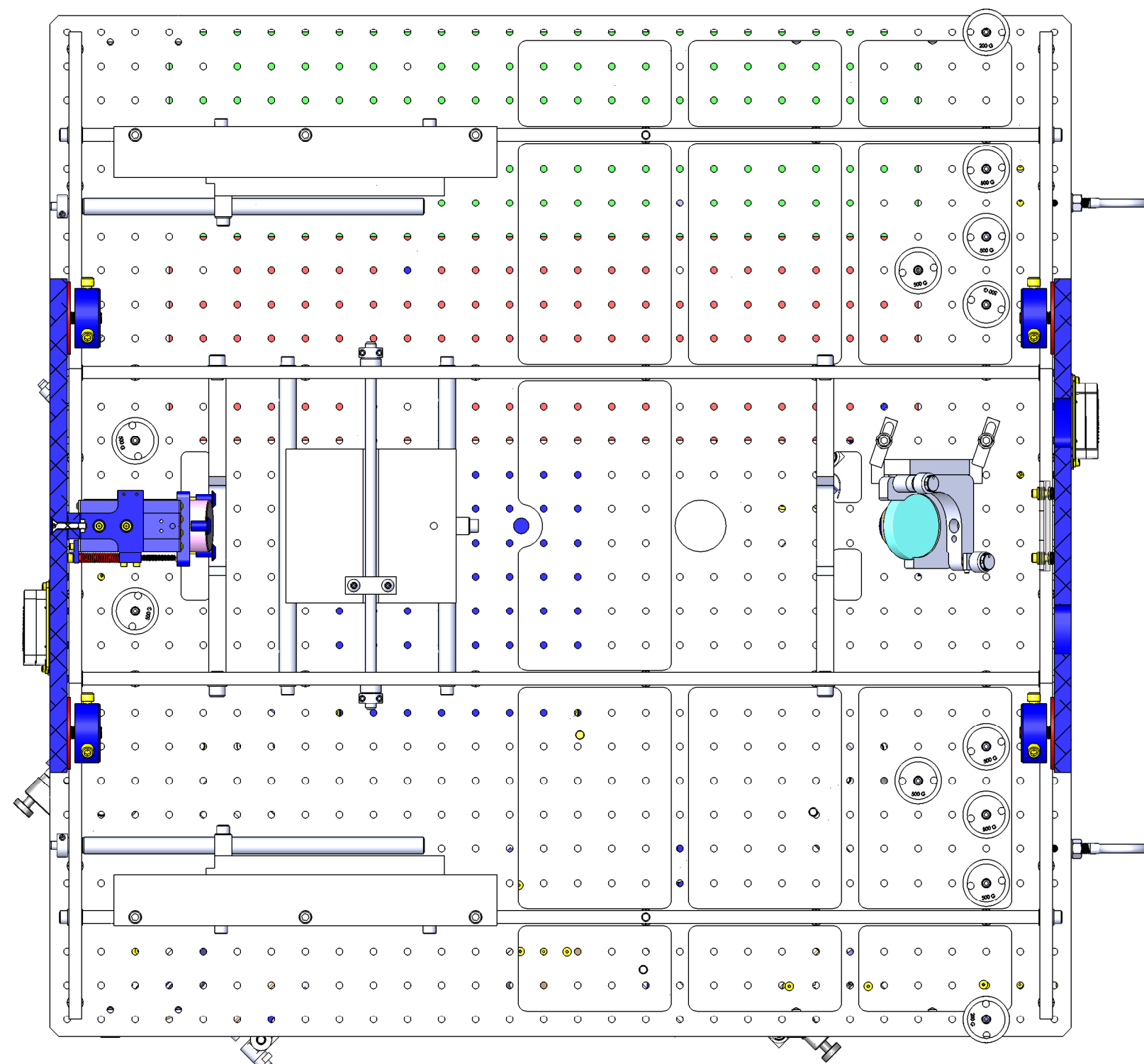
**ISO VIEW, FRONT RIGHT**



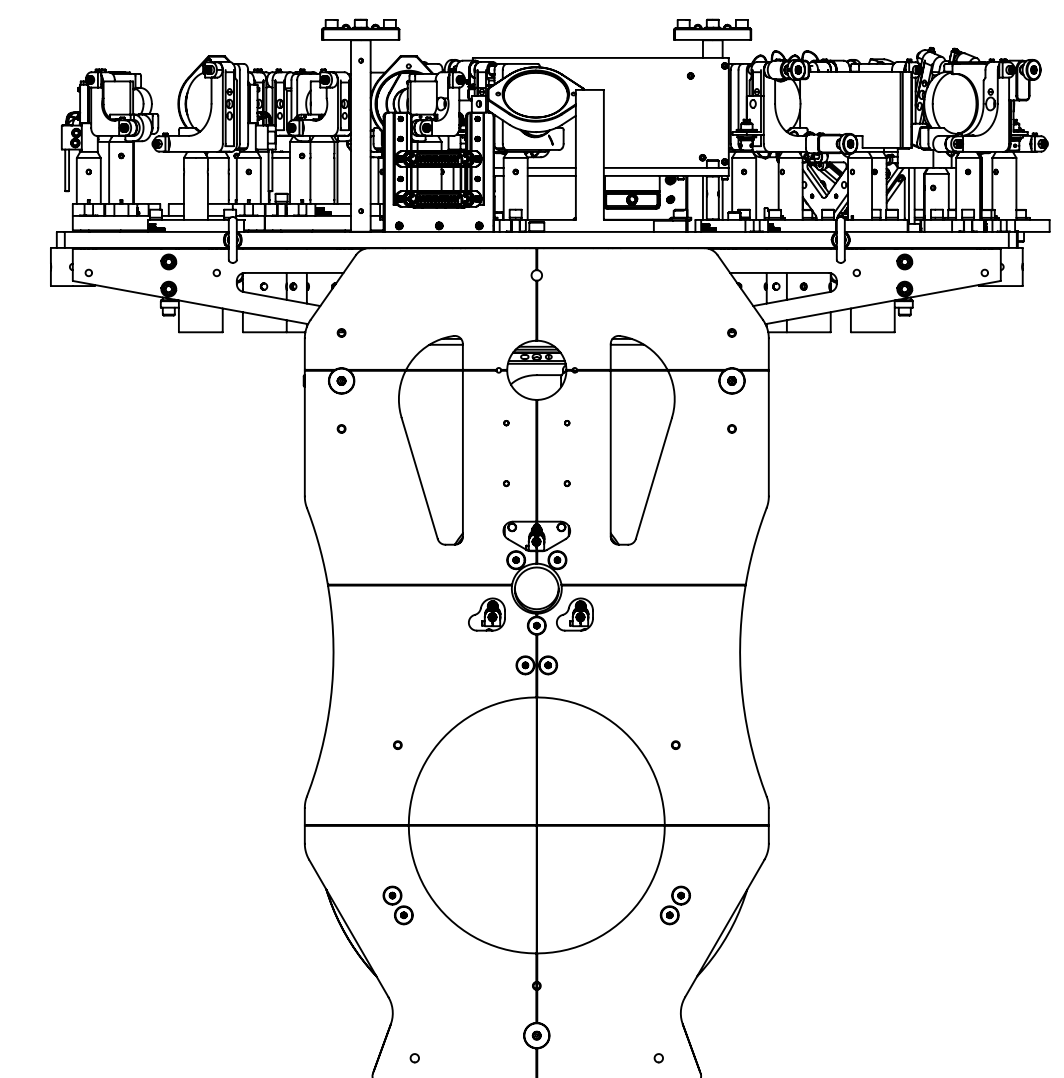
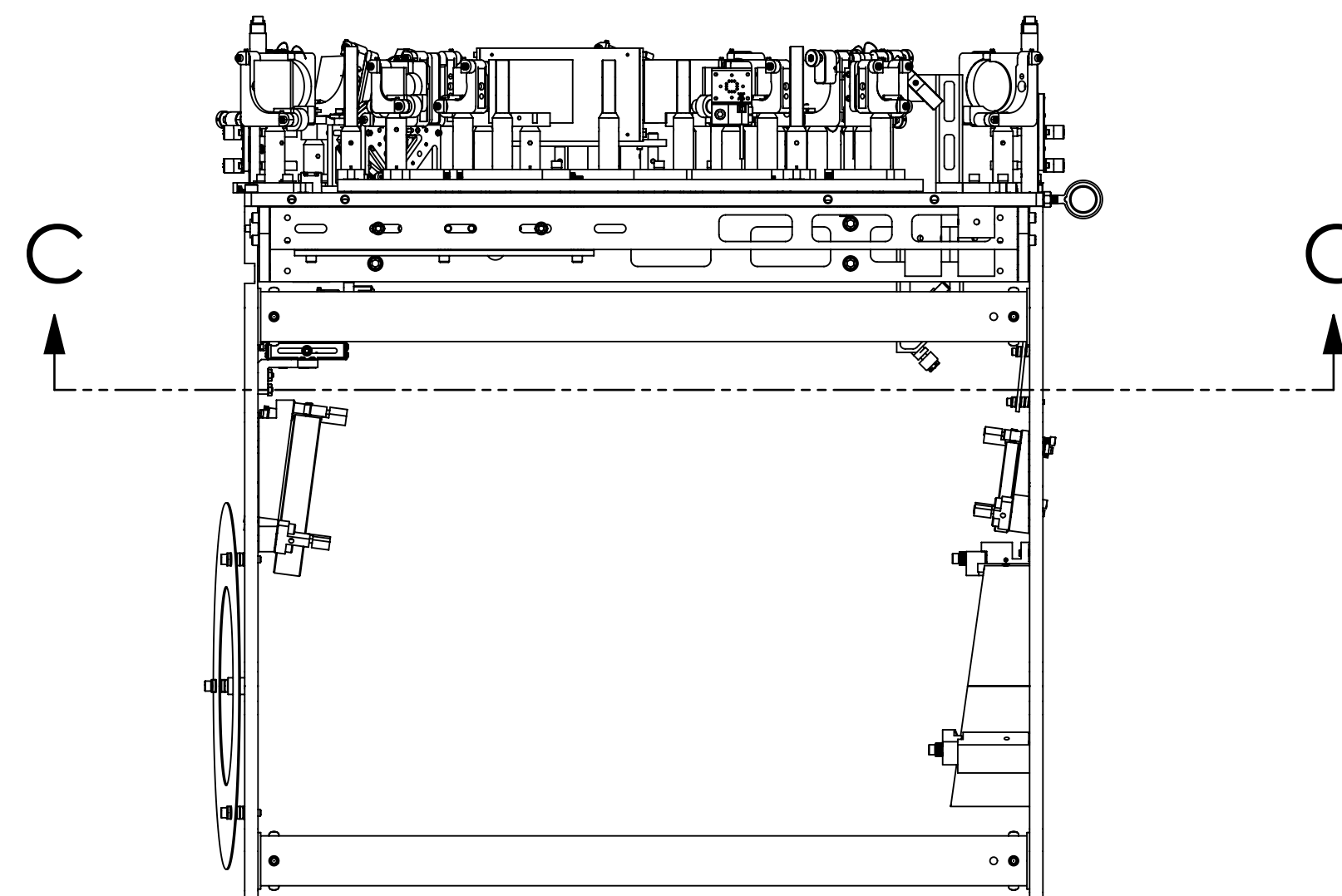
**TOP VIEW, X-ARM**  
(SEE SHEET 6 FOR SEE-THROUGH VIEW)



**ISO VIEW, FRONT LEFT**  
(ROTATED 90° CCW ABOUT Z)



**SECTION C-C**  
FOR A COMPLETE ISC STRUCTURAL TABLE LAYOUT, SEE LIGO D1102291  
(BOTTOM VIEW: ETM TELE TUBE LIGO D1000072, NOT SHOWN)

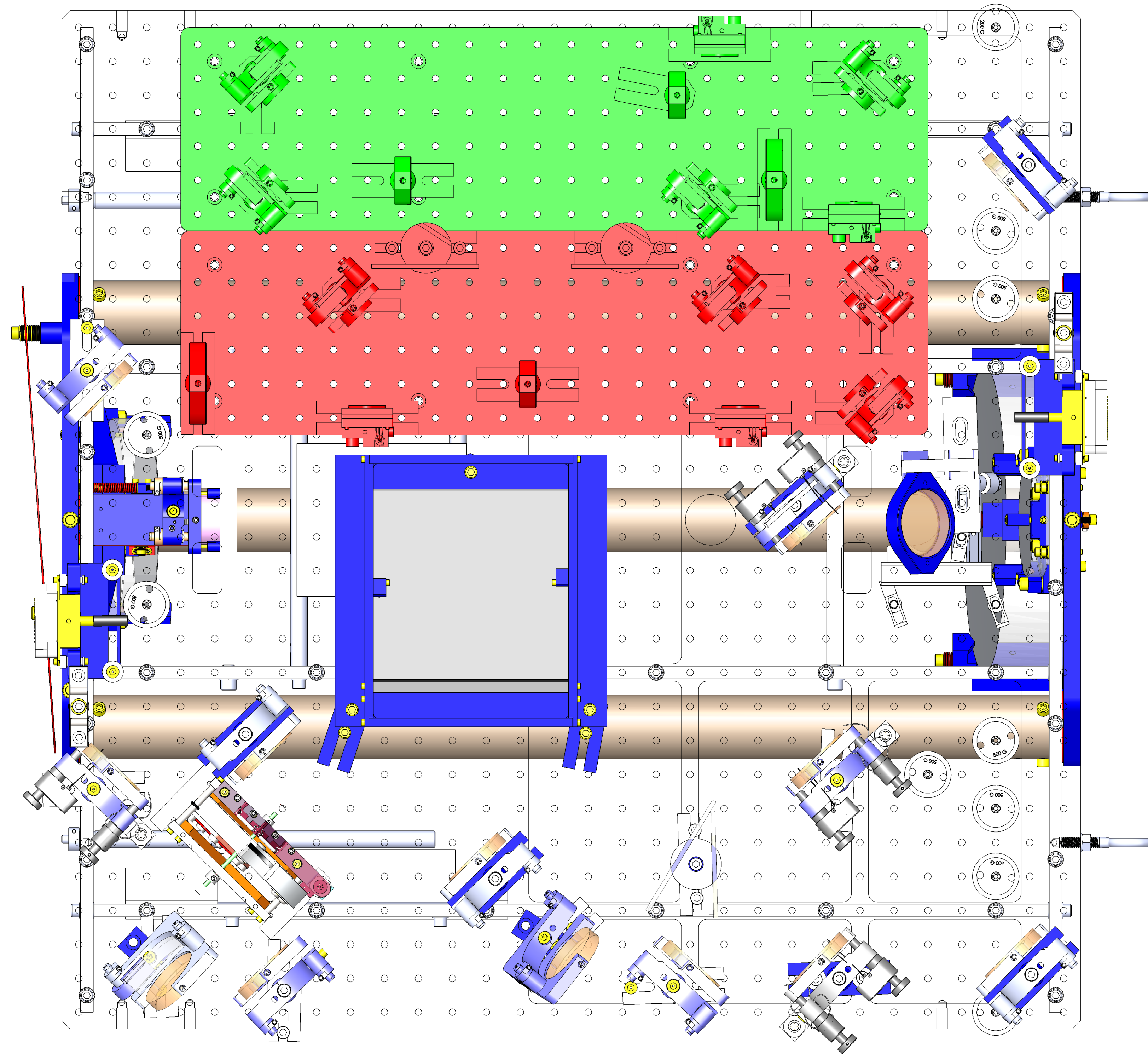


<b>LIGO</b> CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		REV.
SIZE DWG. NO.	<b>D1002460</b>	V6
SCALE: 1:4		PROJECTION:
		SHEET 4 OF 6


D1002460.dwg LIGO TMS Telescopes Assem. PART PDM REV: X-308 DRAWING PDM REV: X-027



-01 (X-ARM)\_SEE THROUGH



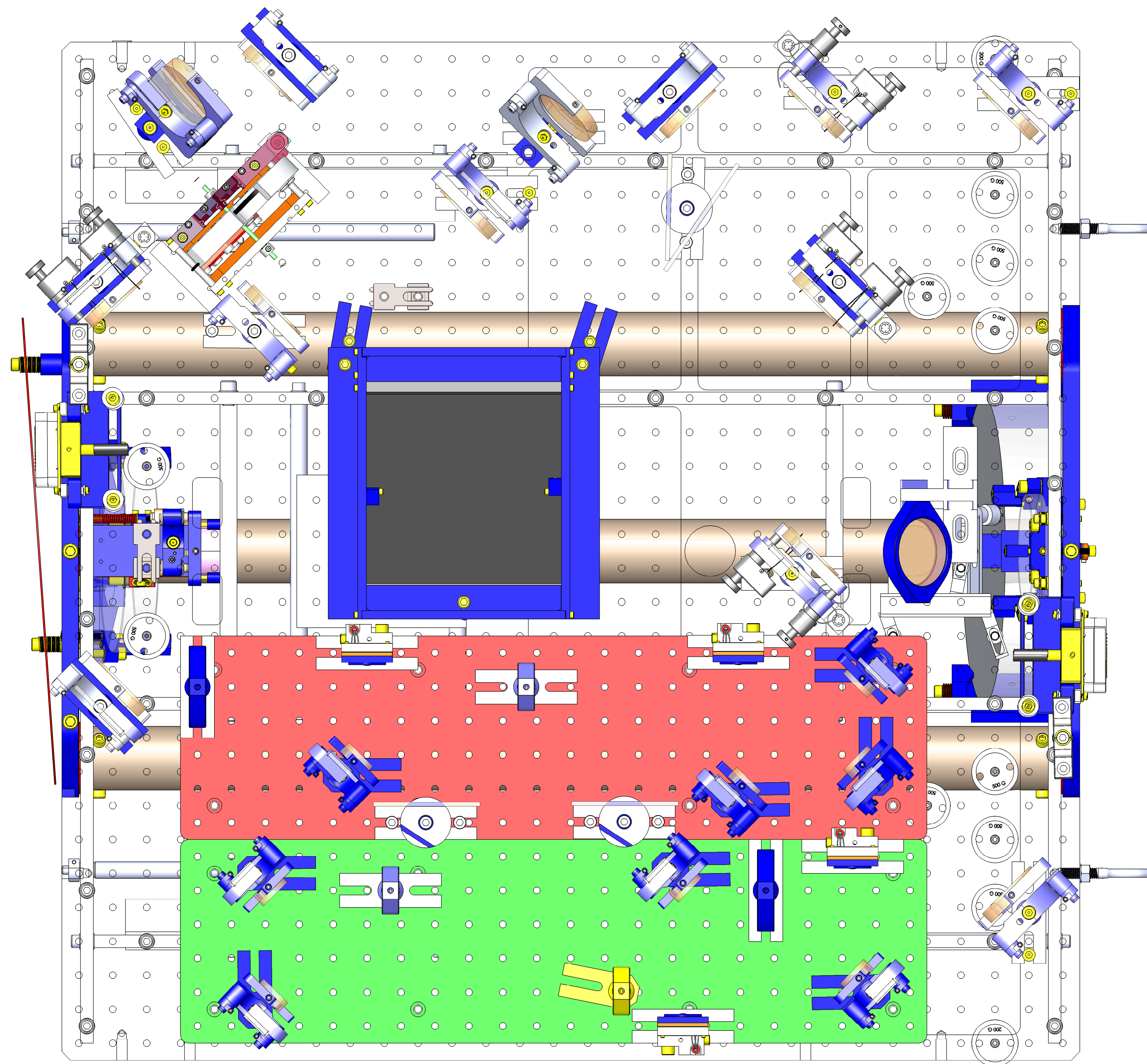
TOP VIEW, X-ARM

<b>LIGO</b> CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	
SIZE DWG. NO.	REV.
D D1002460	V6
SCALE: 1:2	PROJECTION:  SHEET 5 OF 6



D:\002460.dwg LIGO TMS Telescopes Assem. PART PDM REV: X-308. DRAWING PDM REV: X-027



-03 (Y-ARM)\_SEE THROUGH



TOP VIEW, Y-ARM

 CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	
SIZE DWG. NO.	REV.
D D1002460	V6
SCALE: 1:2	PROJECTION:  SHEET 6 OF 6

D:\002460.dwg LIGO TMS Telescopes Assem. PART PDM REV: X-308. DRAWING PDM REV: X-027