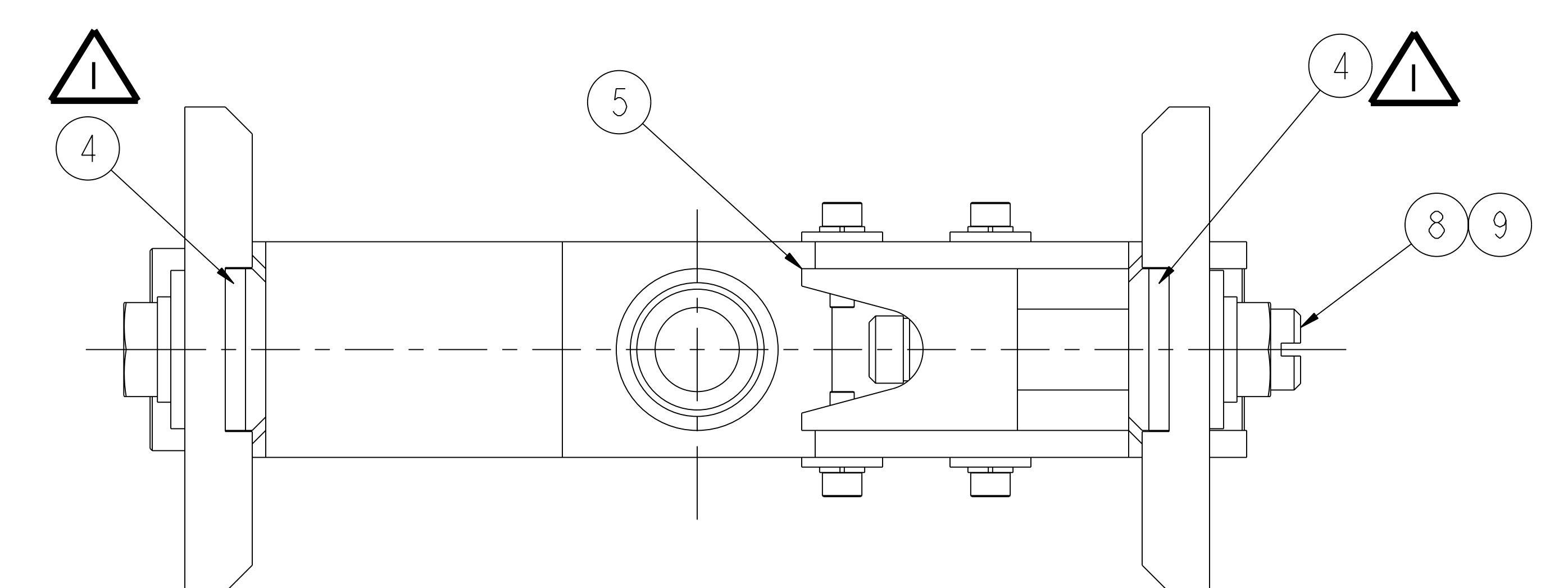
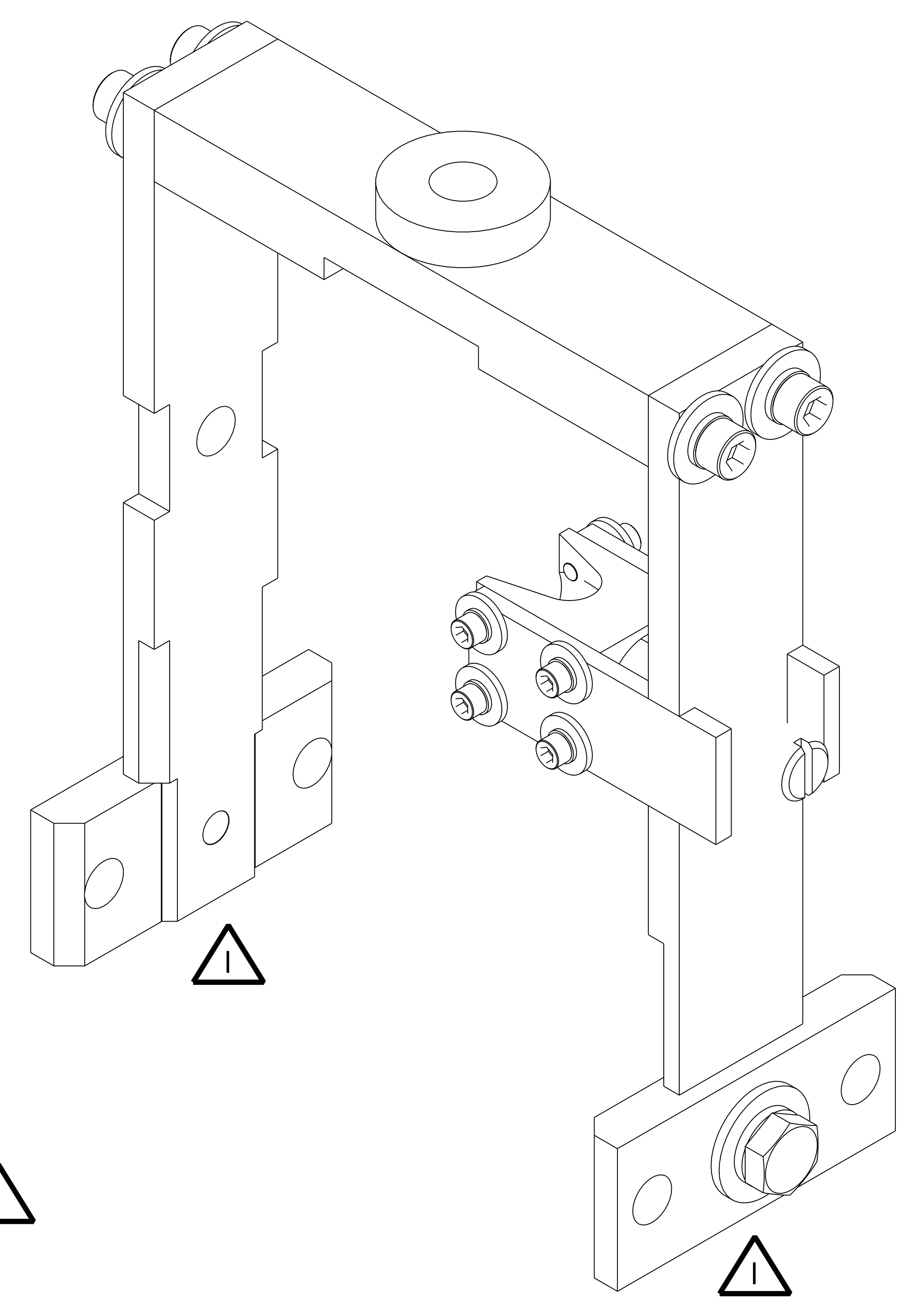
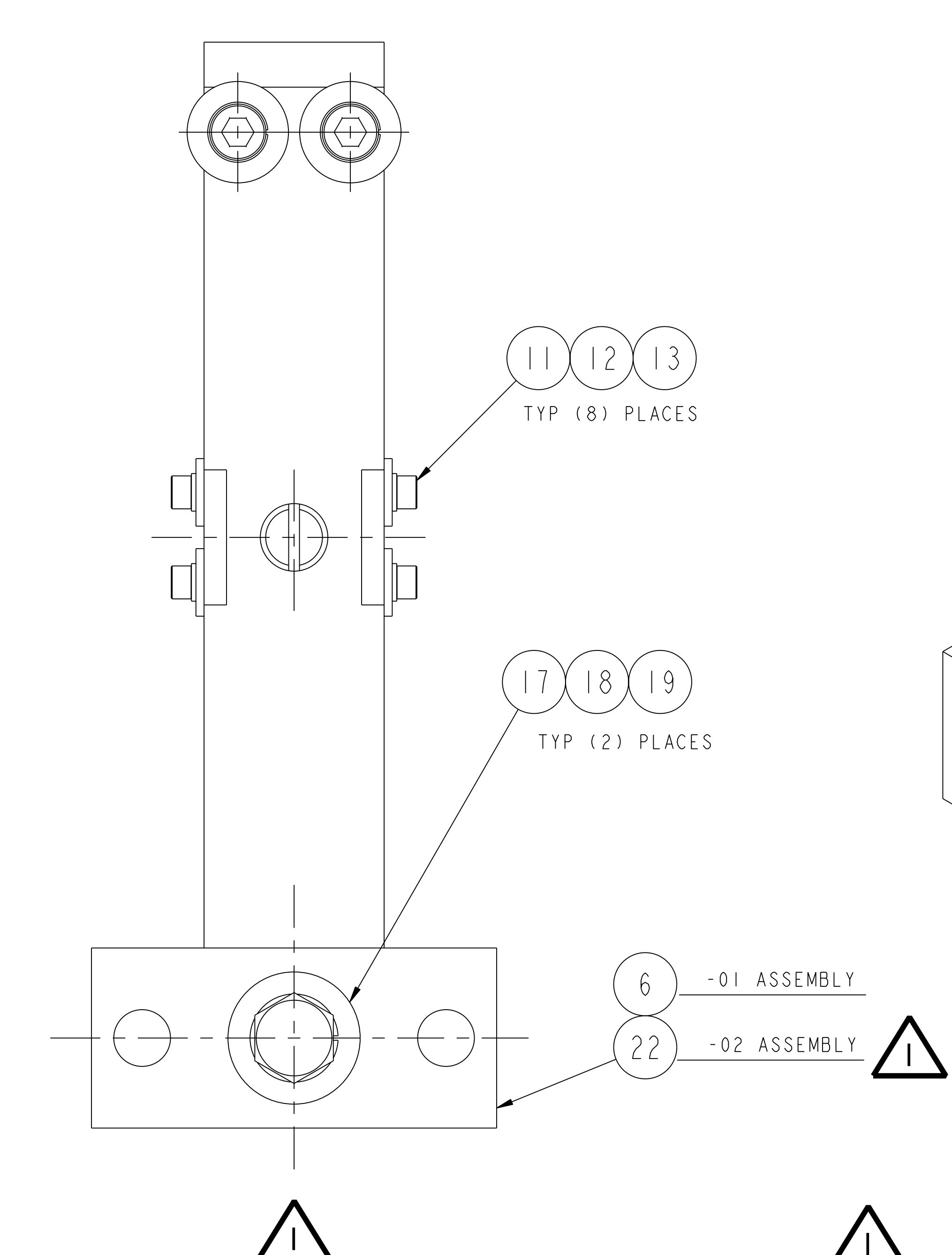
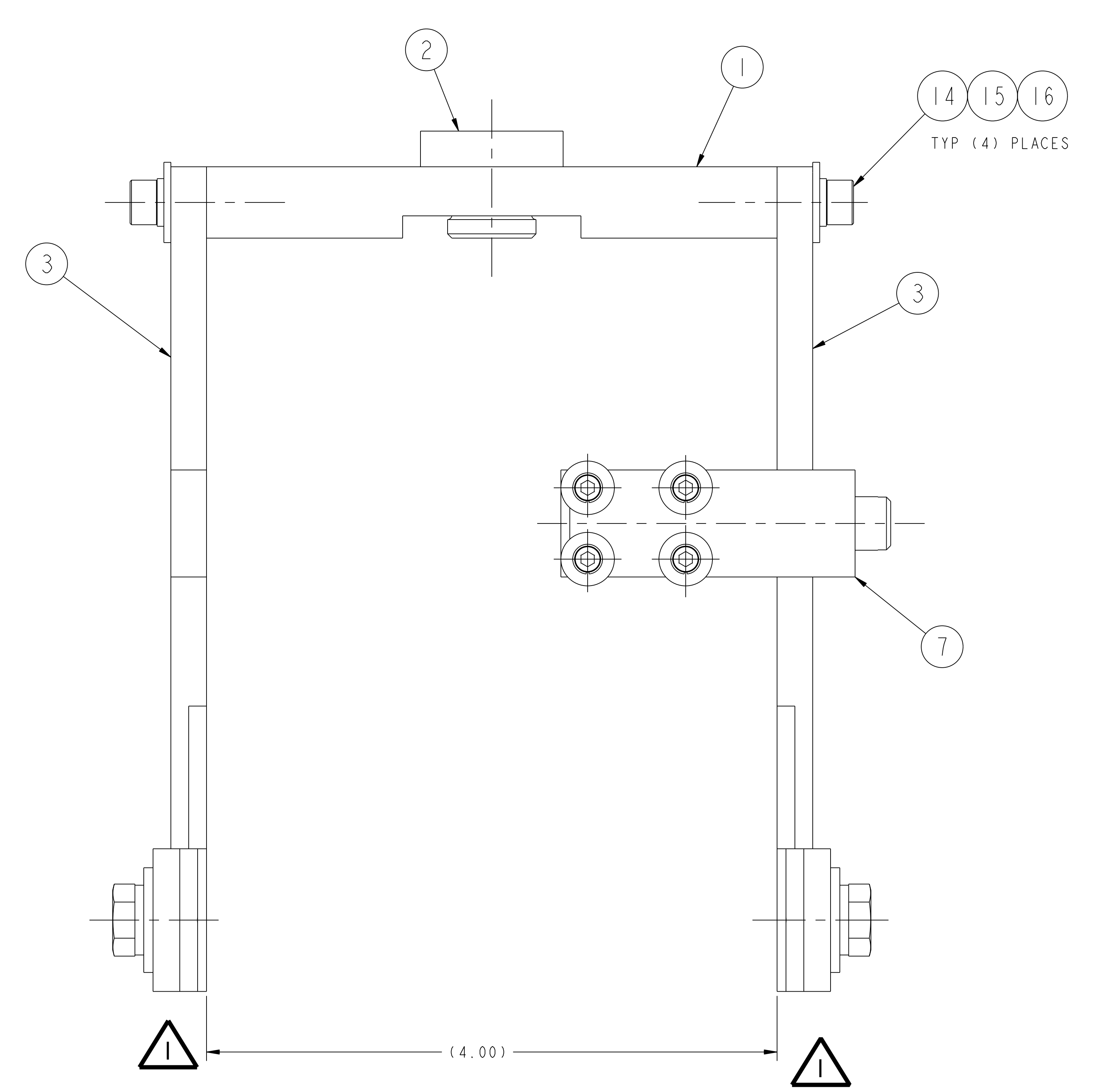


NO.	REVISION	BY	CH	SUP	APPROVED	DATE
1	REVISED PER ECN-4927	LM	SR	JS	J. CHRZANOWSKI	5-04-05



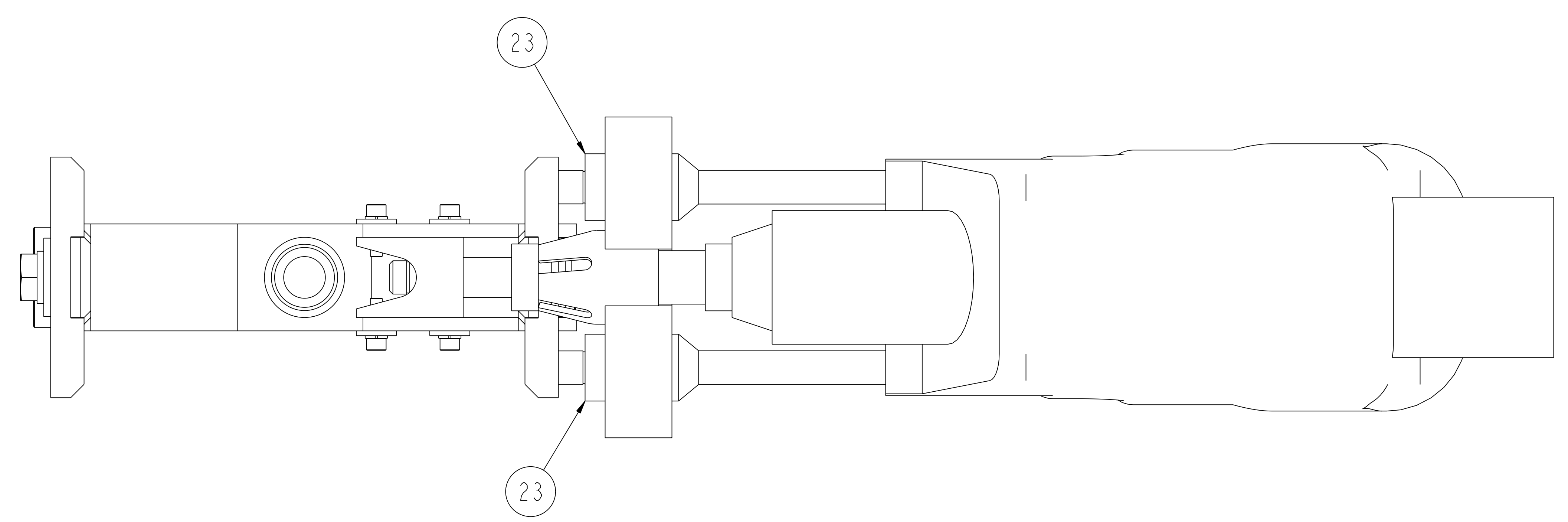
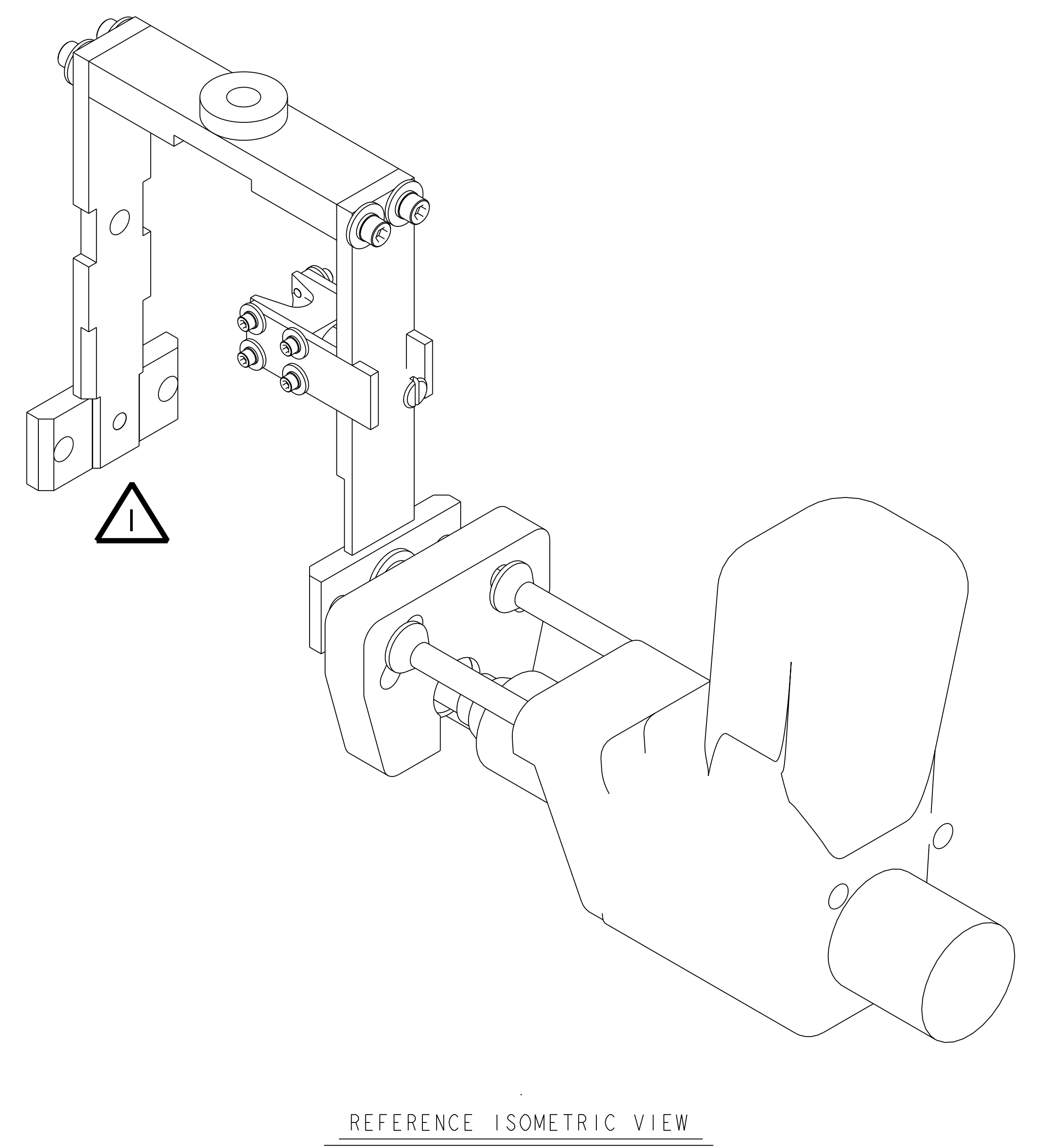
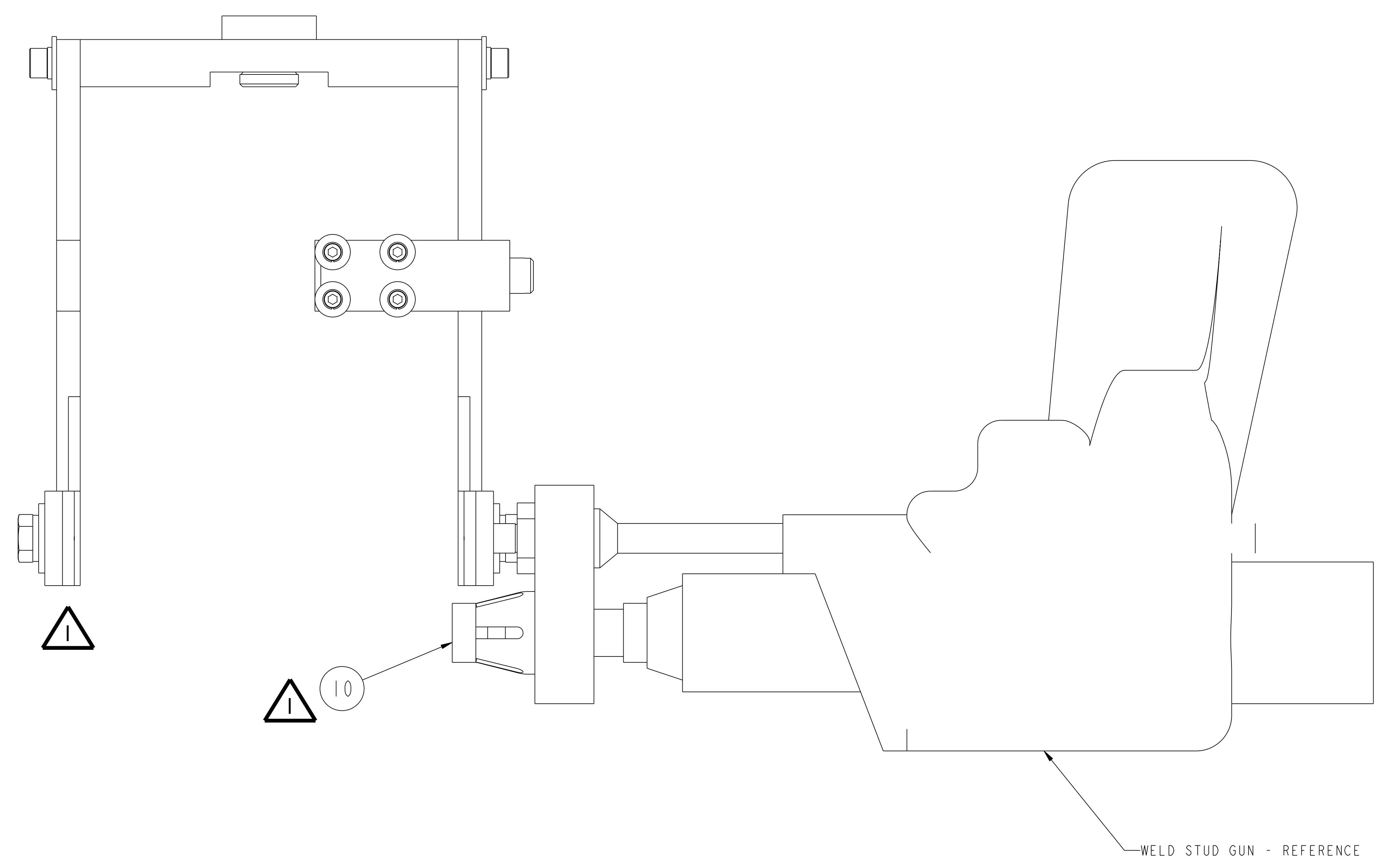
**RELEASED FOR FABRICATION / INSTALLATION**  
PPPL Drafting:

QTY	ASSY	PART ASSY NO.	DRAWING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL	QTY REQD
1			THIS DWG	WELD STUD FIXTURE ASSEMBLY		1
2	2	23	SC144-087	ALIGNMENT PIN	SEE DWG	4
2		22	SE144-086-9	GUIDE "TEE" PLATE - TYPE "B"	SEE DWG	2
2	2	21	COMM	5/16 I.D. X 5/8 O.D. X 5/16 W ONE PIECE LOCKING COLLAR	C'STL - ZN PLT	4
2		20	THIS DWG	Ø5/16 X 6 1/2" LG GUIDE ROD	ASTM A108	4
2	2	19	150104	1/4-28UNC-2A X 1/2 LG HEX HEAD CAP SCREW	C'STL - ZN PLT	4
2	2	18	151363	1/4 SPLIT LOCK WASHER	C'STL - ZN PLT	4
2	2	17	151347	1/4 FLAT WASHER	C'STL - ZN PLT	4
4	4	16	151710	#10-24UNC-2A X 3/4 LG HEX SOCKET CAP SCREW	C'STL - ZN PLT	8
4	4	15	151362	#10 SPLIT LOCK WASHER	C'STL - ZN PLT	8
4	4	14	151344	#10 FLAT WASHER	C'STL - ZN PLT	8
8	8	13	151796	#4-40UNC-2A X 3/8 LG HEX SOCKET CAP SCREW	C'STL - ZN PLT	16
8	8	12	151358	#4 SPLIT LOCK WASHER	C'STL - ZN PLT	16
8	8	11	151340	#4 FLAT WASHER	C'STL - ZN PLT	16
A/R	A/R	10	COMM	CERAMIC INSULATOR FOR Ø3/8 WELD STUD	CERAMIC	A/R
2	2	9	COMM	RETAINING RING - Ø5/16 NOMINAL, EXTERNAL TYPE	SAE 1060-1090	4
1	1	8	SE144-086-8	"VEE" BLOCK PUSH SCREW	SEE DRW	2
2	2	7	SE144-086-7	"VEE" BLOCK GUIDE PLATE	SEE DRW	4
2		6	SE144-086-6	GUIDE "TEE" PLATE - TYPE "A"	SEE DRW	2
1	1	5	SE144-086-5	"VEE" BLOCK	SEE DRW	2
2	2	4	SE144-086-4	VERTICAL LOWER HALF SUPPORT BAR	SEE DRW	4
2	2	3	SE144-086-3	VERTICAL UPPER HALF SUPPORT BAR	SEE DRW	4
1	1	2	SE144-086-2	MOUNTING BUSHING	SEE DRW	2
1	1	1	SE144-086-1	HORIZONTAL CLAMPING BAR	SEE DRW	2
			THIS DWG	WELD STUD FIXTURE ASSEMBLY		1

WEIGHT	MODEL NAME	WELDING ENGINEER	COMPUTER GENERATED DRAWING	CENTRAL FILES:	PRINCETON PLASMA PHYSICS LABORATORY
53.0 lbs	SE144-085		Pro E	UNLESS OTHERWISE SPECIFIED	NATIONAL COMPACT STELLARATOR EXPERIMENT
			DO NOT VERIFY INFORMATION BY SCALING DRAWING	DIMENSIONS ARE IN INCHES MACHINE SURFACES UNLESS OTHERWISE SPECIFIED	MODULAR COIL ASSEMBLY TWISTED RACETRACK WINDING FORM WELD STUD FIXTURE ASSEMBLY
				TOLERANCES NON-CUMULATIVE	DSN: L. MORRIS 8-16-04
				DECIMAL-INCH FRACTIONS	CHK: S. RAFTOPOULOS 8-16-04
				XXX	ENGR: J. CHRZANOWSKI 8-16-04
				ANGULAR	SUPV: J. SIEGEL 8-16-04
					DRAWING NO: SE144-085
					SHEET 1 OF 2 REV 1

**RELEASE LEVEL: Fabrication**  
**DWG VERSION NO: 3**

NO.	REVISION	BY	CH	SUP	APPROVED	DATE



**RELEASED FOR  
FABRICATION / INSTALLATION**  
PPPL Drafting:

FOR NOTES AND BILL OF MATERIAL SEE SHEET 1

**RELEASE LEVEL: Fabrication**  
**DWG VERSION NO: 3**

COMPUTER GENERATED DRAWING MANUAL CHANGES NOT PERMITTED Pro E	CENTRAL FILES:	PRINCETON PLASMA PHYSICS LABORATORY NATIONAL COMPACT STELLARATOR EXPERIMENT			
	UNLESS OTHERWISE SPECIFIED	MODULAR COIL ASSEMBLY TWISTED RACETRACK WINDING FORM WELD STUD FIXTURE ASSEMBLY			
DO NOT VERIFY INFORMATION BY SCALING DRAWING	DIMENSIONS ARE IN INCHES MACHINE SURFACES BREAK SHARP EDGES .005/.020	TOLERANCES NON-CUMULATIVE	DSN: L. MORRIS	8-16-04	DRAWING NO:
NEXT ASSEMBLY	DECIMAL-INCH FRACTIONS .X +/- .000 0°-120° +/- 15.0 .XX +/- .030 120°-120° +/- 15.0 .XXX +/- .005 120°-120° +/- 15.0 ANGULAR +/- 0°-15° OVER 120° +/- 15.0	CHK: S. RAFTOPOULOS	8-16-04	ENGR: J. CHRZANOWSKI	8-16-04
WELDING ENGINEER		SUPV: J. SIEGEL	8-16-04	SHEET 2 OF 2	REV 1