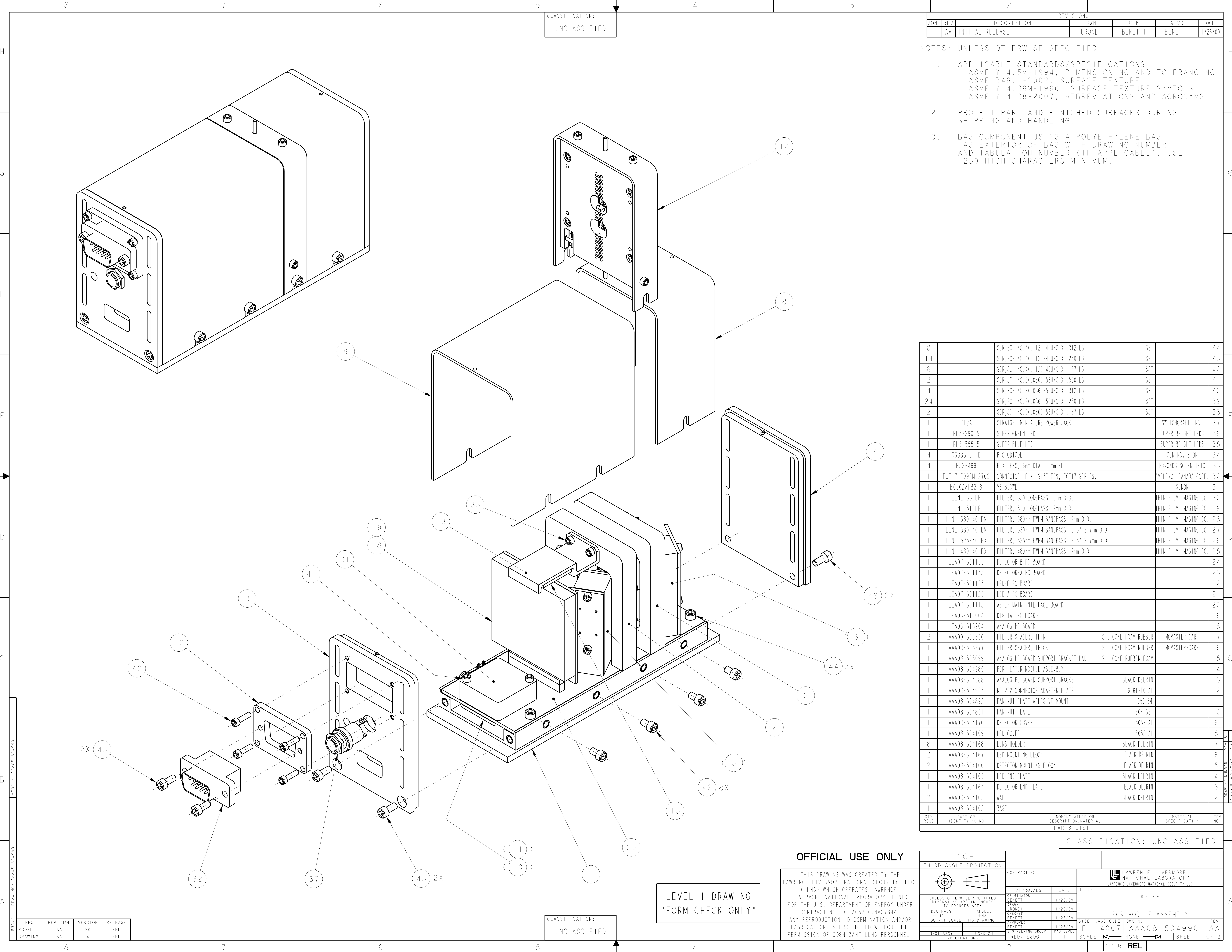




CLASSIFICATION:
UNCLASSIFIED

ZONE		REV		DESCRIPTION		DWN		CHK		APVD		DATE	
AA		INITIAL RELEASE		URONEI		BENETTI		BENETTI		1/26/09			

- NOTES: UNLESS OTHERWISE SPECIFIED
1. APPLICABLE STANDARDS/SPECIFICATIONS:
ASME Y14.5M-1994, DIMENSIONING AND TOLERANCING
ASME B46.1-2002, SURFACE TEXTURE
ASME Y14.36M-1996, SURFACE TEXTURE SYMBOLS
ASME Y14.38-2007, ABBREVIATIONS AND ACRONYMS
 2. PROTECT PART AND FINISHED SURFACES DURING SHIPPING AND HANDLING.
 3. BAG COMPONENT USING A POLYETHYLENE BAG.
TAG EXTERIOR OF BAG WITH DRAWING NUMBER
AND TABULATION NUMBER (IF APPLICABLE). USE
.250 HIGH CHARACTERS MINIMUM.

8		SCR,SCH,NO.41.112)-40UNC X .312 LG	SST		44
14		SCR,SCH,NO.41.112)-40UNC X .250 LG	SST		43
8		SCR,SCH,NO.41.112)-40UNC X .187 LG	SST		42
2		SCR,SCH,NO.21.086)-56UNC X .500 LG	SST		41
4		SCR,SCH,NO.21.086)-56UNC X .312 LG	SST		40
24		SCR,SCH,NO.21.086)-56UNC X .250 LG	SST		39
2		SCR,SCH,NO.21.086)-56UNC X .187 LG	SST		38
1	712A	STRAIGHT MINIATURE POWER JACK		SWITCHCRAFT INC.	37
1	RL5-G9015	SUPER GREEN LED		SUPER BRIGHT LEDS	36
1	RL5-B5515	SUPER BLUE LED		SUPER BRIGHT LEDS	35
4	OSD35-LR-D	PHOTODIODE		CENTROVISION	34
4	H32-469	PCX LENS, 6mm DIA., 9mm EFL		EDMONDS SCIENTIFIC	33
1	FCE17-E09PM-270G	CONNECTOR, PIN, SIZE E09, FCE17 SERIES,		AMPHENOL CANADA CORP	32
1	B0502AFB2-8	MS BLOWER		SUNON	31
1	LLNL 550LP	FILTER, 550 LONGPASS 12mm O.D.		THIN FILM IMAGING CO	30
1	LLNL 510LP	FILTER, 510 LONGPASS 12mm O.D.		THIN FILM IMAGING CO	29
1	LLNL 580-40 EM	FILTER, 580nm FWHM BANDPASS 12mm O.D.		THIN FILM IMAGING CO	28
1	LLNL 530-40 EM	FILTER, 530nm FWHM BANDPASS 12.5/12.7mm O.D.		THIN FILM IMAGING CO	27
1	LLNL 525-40 EX	FILTER, 525nm FWHM BANDPASS 12.5/12.7mm O.D.		THIN FILM IMAGING CO	26
1	LLNL 480-40 EX	FILTER, 480nm FWHM BANDPASS 12mm O.D.		THIN FILM IMAGING CO	25
1	LEA07-501155	DETECTOR-B PC BOARD			24
1	LEA07-501145	DETECTOR-A PC BOARD			23
1	LEA07-501135	LED-B PC BOARD			22
1	LEA07-501125	LED-A PC BOARD			21
1	LEA07-501115	ASTEP MAIN INTERFACE BOARD			20
1	LEA06-516004	DIGITAL PC BOARD			19
1	LEA06-515904	ANALOG PC BOARD			18
2	AAA09-500390	FILTER SPACER, THIN	SILICONE FOAM RUBBER	MCMASTER-CARR	17
1	AAA08-505277	FILTER SPACER, THICK	SILICONE FOAM RUBBER	MCMASTER-CARR	16
1	AAA08-505099	ANALOG PC BOARD SUPPORT BRACKET PAD	SILICONE RUBBER FOAM		15
1	AAA08-504989	PCR HEATER MODULE ASSEMBLY			14
1	AAA08-504988	ANALOG PC BOARD SUPPORT BRACKET	BLACK DELRIN		13
1	AAA08-504935	RS 232 CONNECTOR ADAPTER PLATE	6061-T6 AL		12
1	AAA08-504892	FAN NUT PLATE ADHESIVE MOUNT	950 3M		11
1	AAA08-504891	FAN NUT PLATE	304 SST		10
1	AAA08-504170	DETECTOR COVER	5052 AL		9
1	AAA08-504169	LED COVER	5052 AL		8
8	AAA08-504168	LENS HOLDER	BLACK DELRIN		7
2	AAA08-504167	LED MOUNTING BLOCK	BLACK DELRIN		6
2	AAA08-504166	DETECTOR MOUNTING BLOCK	BLACK DELRIN		5
1	AAA08-504165	LED END PLATE	BLACK DELRIN		4
1	AAA08-504164	DETECTOR END PLATE	BLACK DELRIN		3
2	AAA08-504163	WALL	BLACK DELRIN		2
1	AAA08-504162	BASE			1
QTY REQD	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION/MATERIAL		MATERIAL SPECIFICATION	ITEM NO
PARTS LIST					

PROJECT: AAA08-504990
DRAWING: AAA08-504990

PROJ	REVISION	VERSION	RELEASE
MODEL:	AA	20	REL
DRAWING:	AA	4	REL

CLASSIFICATION:
UNCLASSIFIED

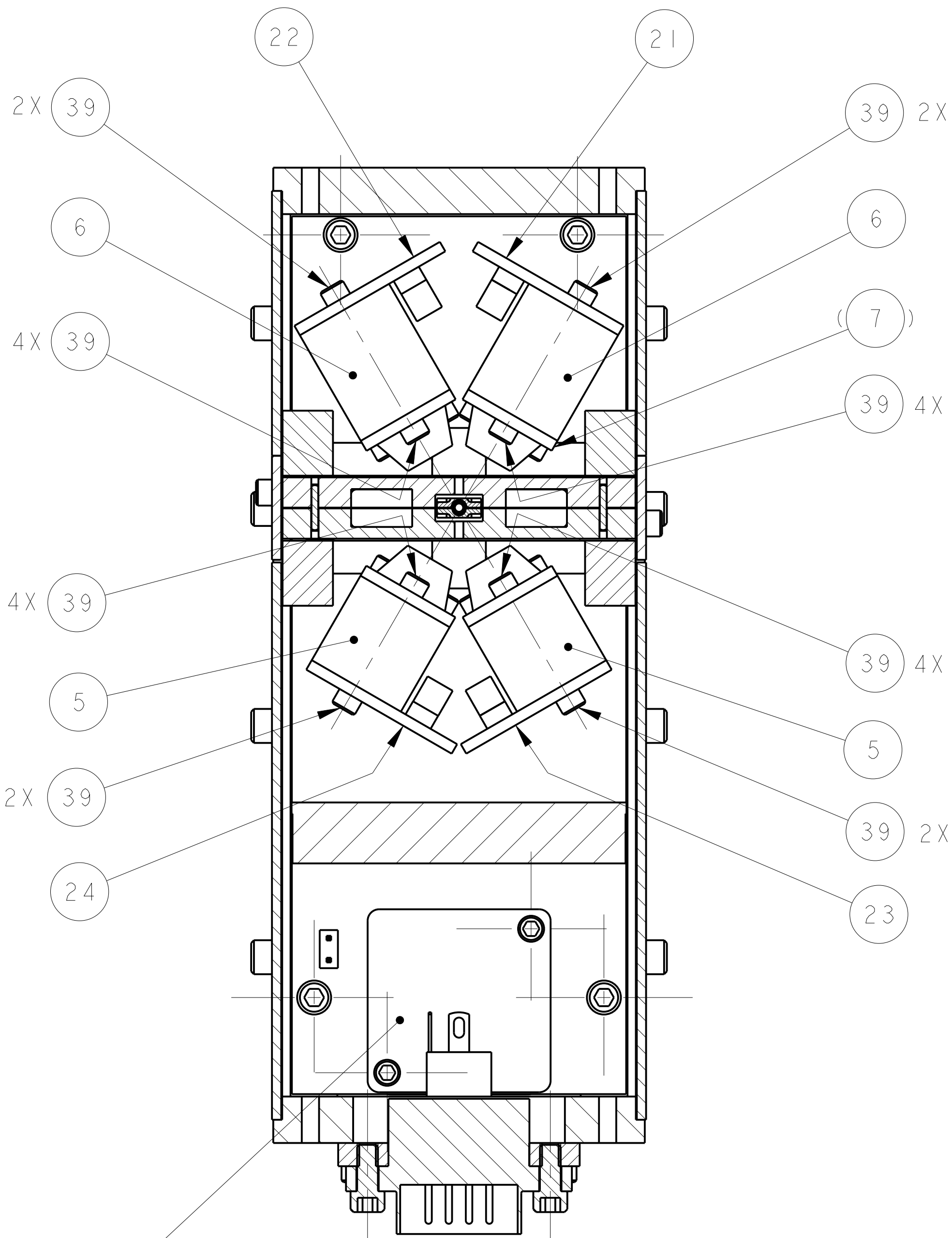
LEVEL 1 DRAWING
"FORM CHECK ONLY"

OFFICIAL USE ONLY

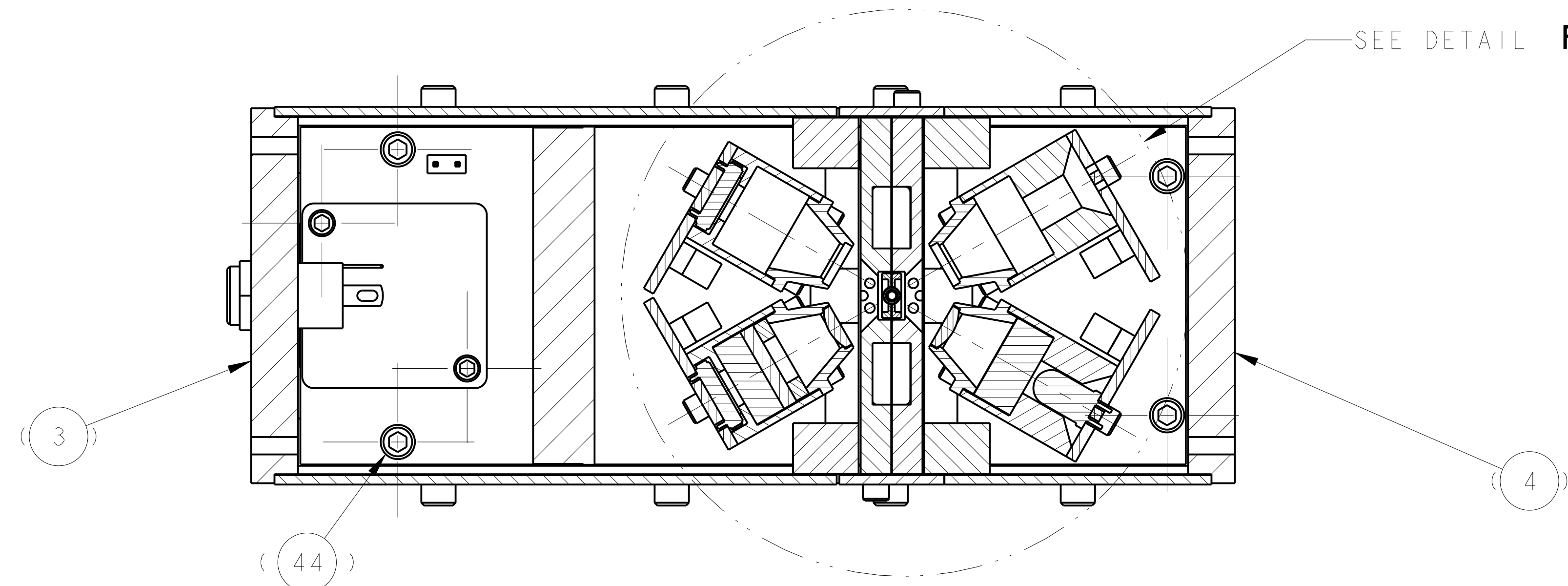
THIS DRAWING WAS CREATED BY THE
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC
(LLNS) WHICH OPERATES LAWRENCE
LIVERMORE NATIONAL LABORATORY (LLNL)
FOR THE U.S. DEPARTMENT OF ENERGY UNDER
CONTRACT NO. DE-AC52-07NA27344.
ANY REPRODUCTION, DISSEMINATION AND/OR
FABRICATION IS PROHIBITED WITHOUT THE
PERMISSION OF COGNIZANT LLNS PERSONNEL.

INCH		THIRD ANGLE PROJECTION		CONTRACT NO		TITLE		LAWRENCE LIVERMORE NATIONAL LABORATORY LAWRENCE LIVERMORE NATIONAL SECURITY-LLC	
APPROVALS		DATE		ORIGINATOR		DATE		ASTEP	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: DECIMALS ANGLES ± .010 ± .010 DO NOT SCALE THIS DRAWING		1/23/09		BENETTI		1/23/09		PCR MODULE ASSEMBLY	
NEXT ASSY USED ON APPLICATIONS		1/23/09		BENETTI		1/23/09		REV	
		1		E		14067		AAA08-504990-AA	
		1		SCALE		NONE		SHEET 1 OF 2	
				STATUS: REL					

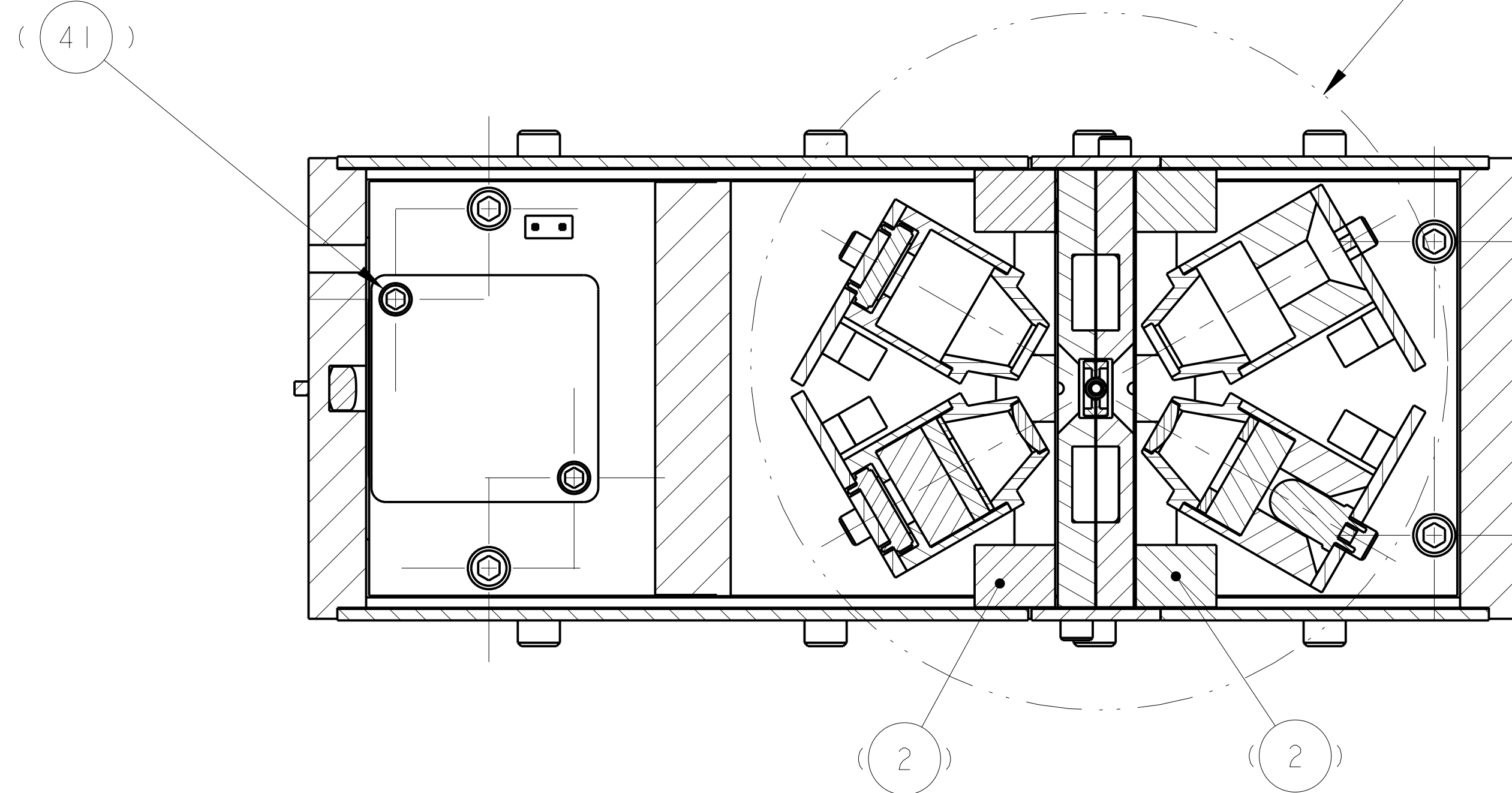
CLASSIFICATION:
UNCLASSIFIED



SECTION D-D

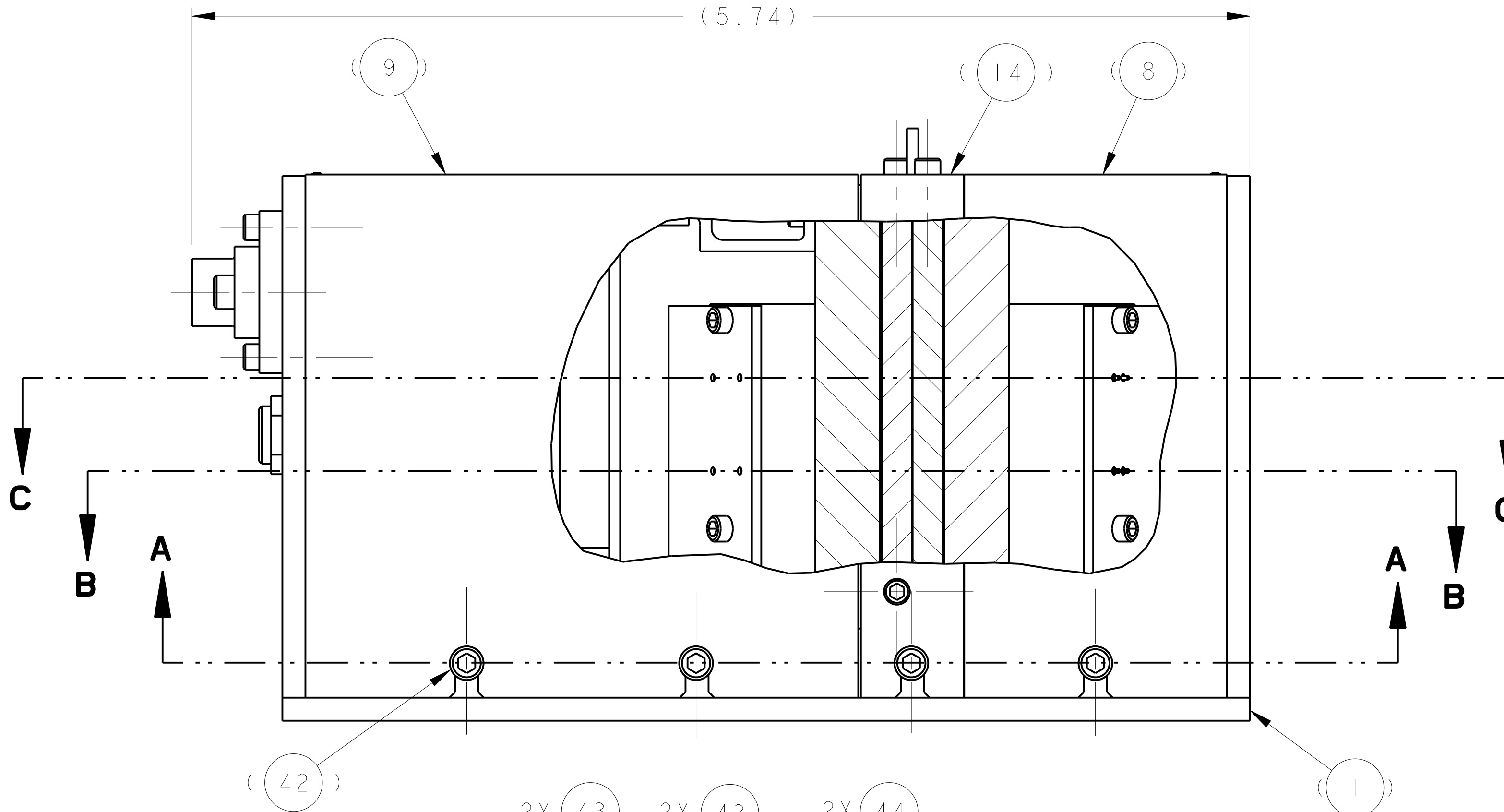


SECTION C-C

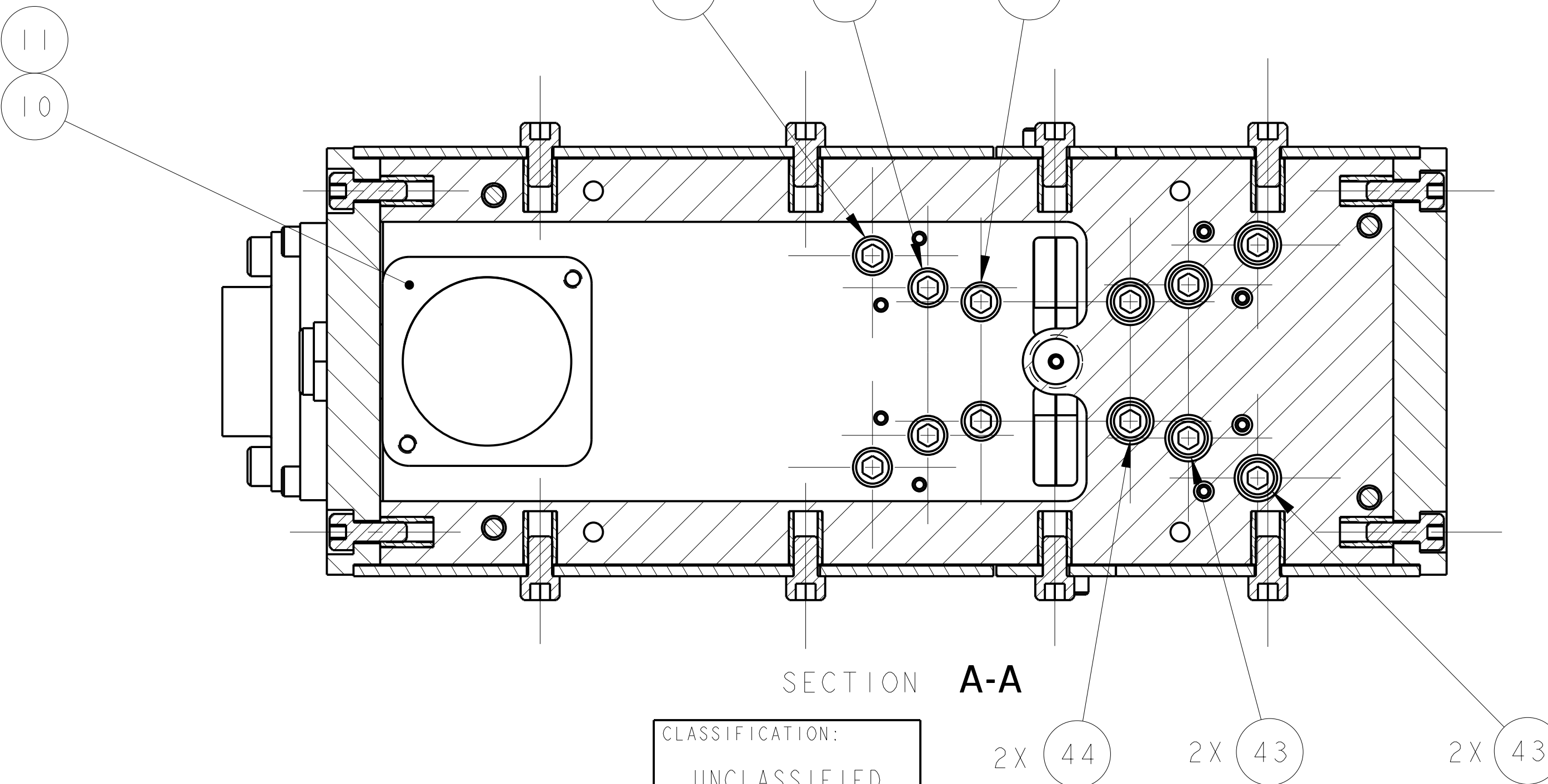


SECTION B-B

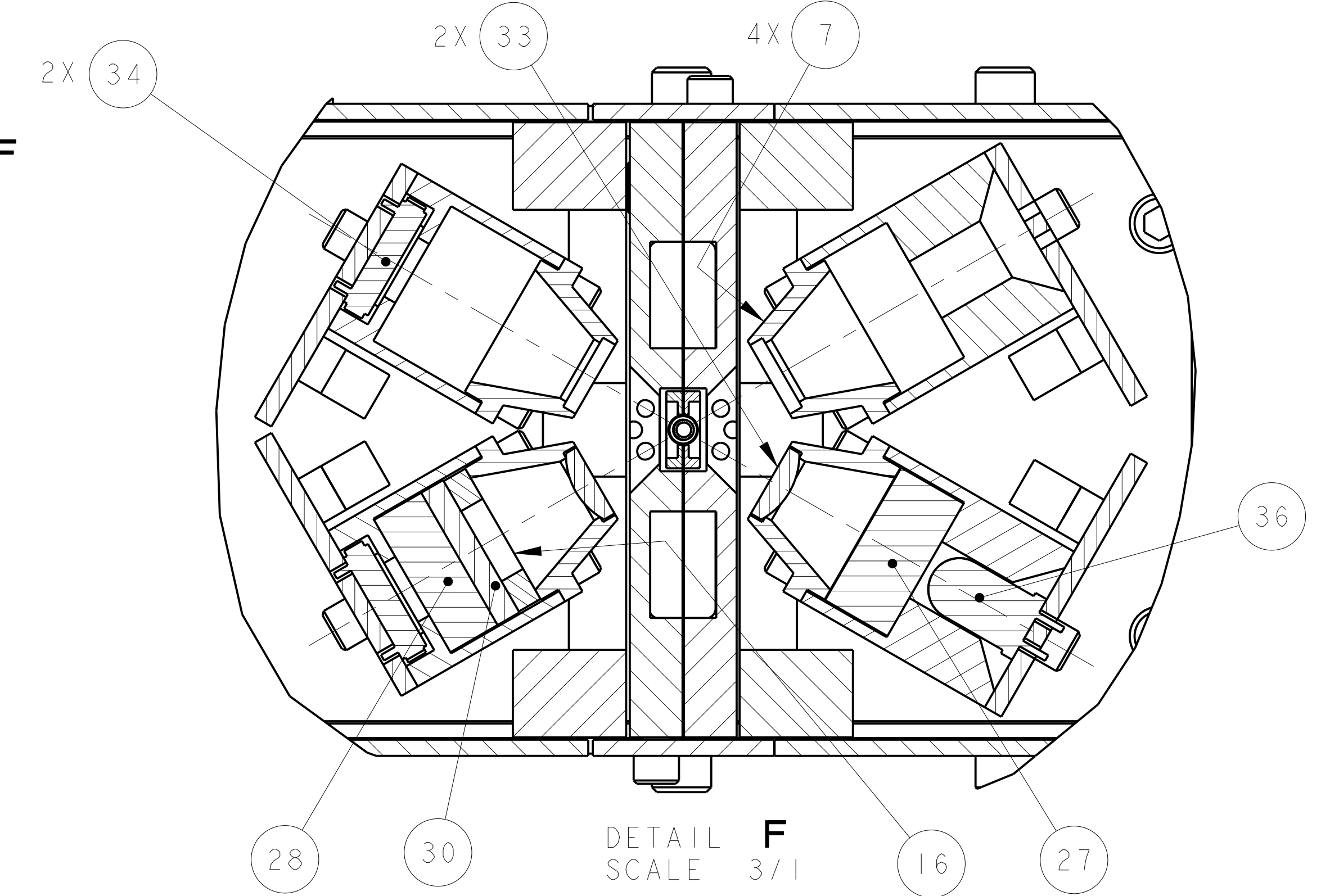
(5.74)



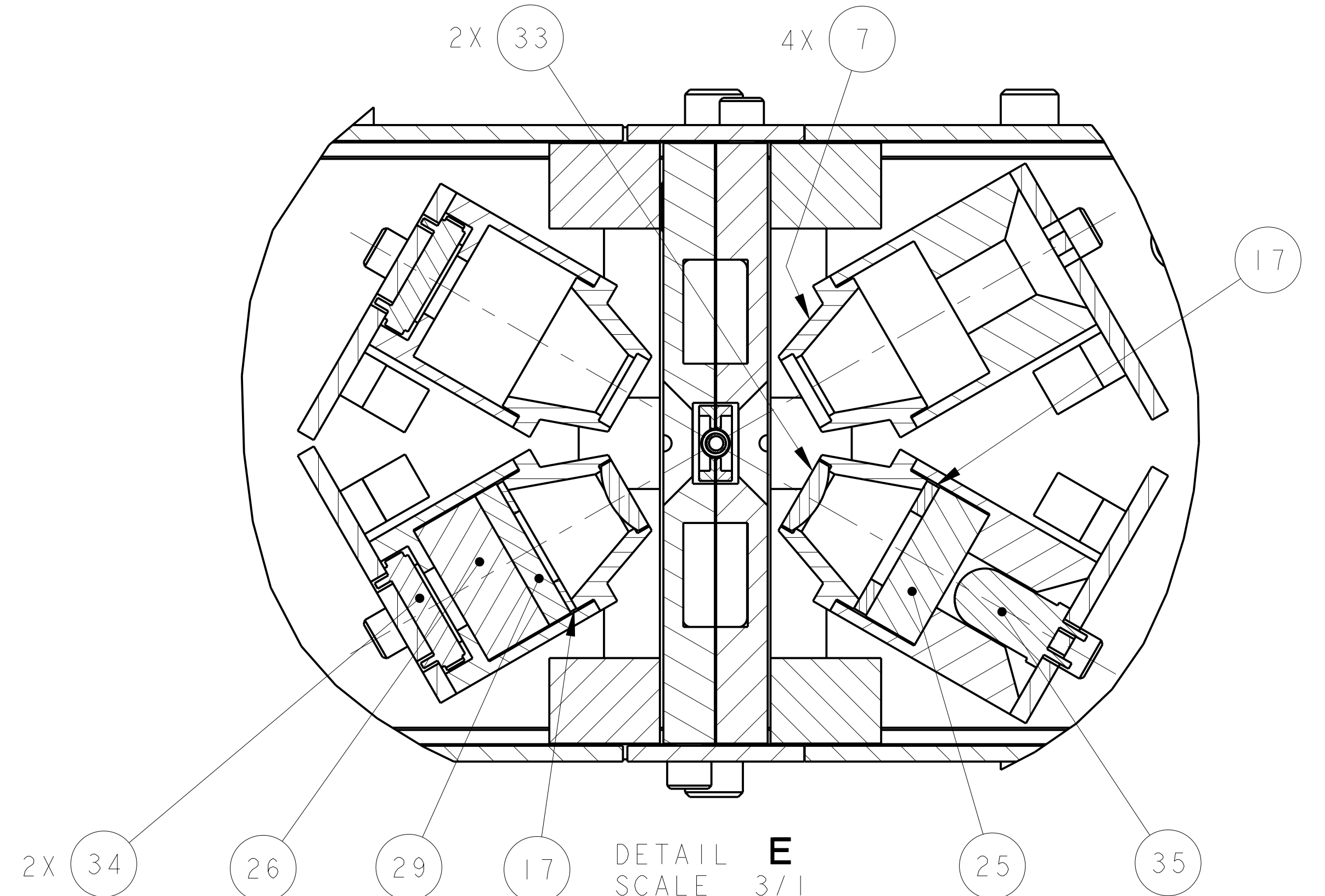
SECTION A-A



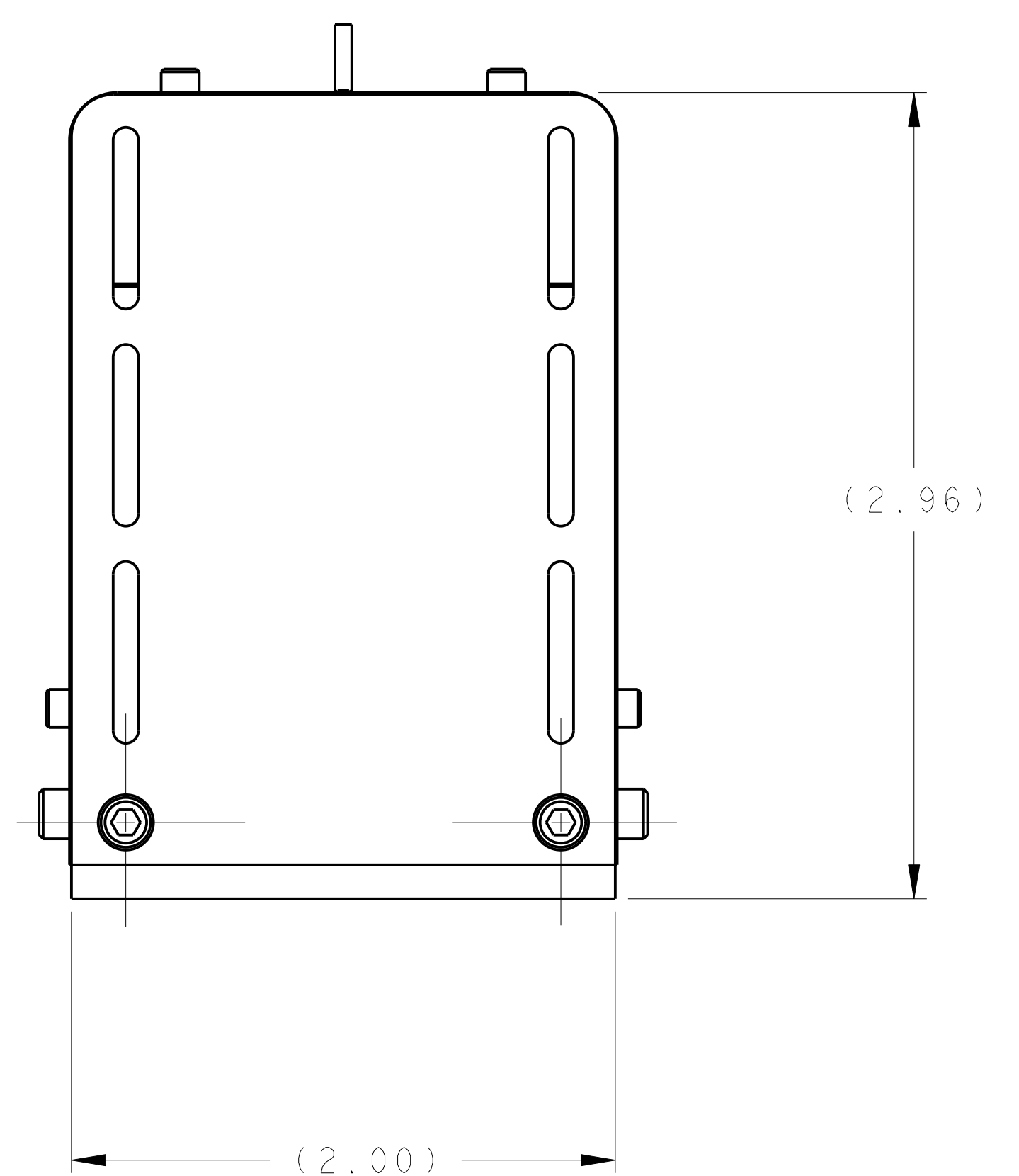
CLASSIFICATION:
UNCLASSIFIED



DETAIL F
SCALE 3/1



DETAIL E
SCALE 3/1



PROJECT: AAA08-504990
DRAWING: AAA08-504990

PROJ	REVISION	VERSION	RELEASE
MODEL:	AA	20	REL
DRAWING:	AA	4	REL

CONTRACT NO.	SIZE	CAGE CODE	DWG NO.	REV.
	E	14067	AAA08-504990-AA	AA
	SCALE	NONE	SHEET	2 OF 2
	STATUS:	REL		

DRAWING NUMBER: AAA08-504990
REV: AA 2