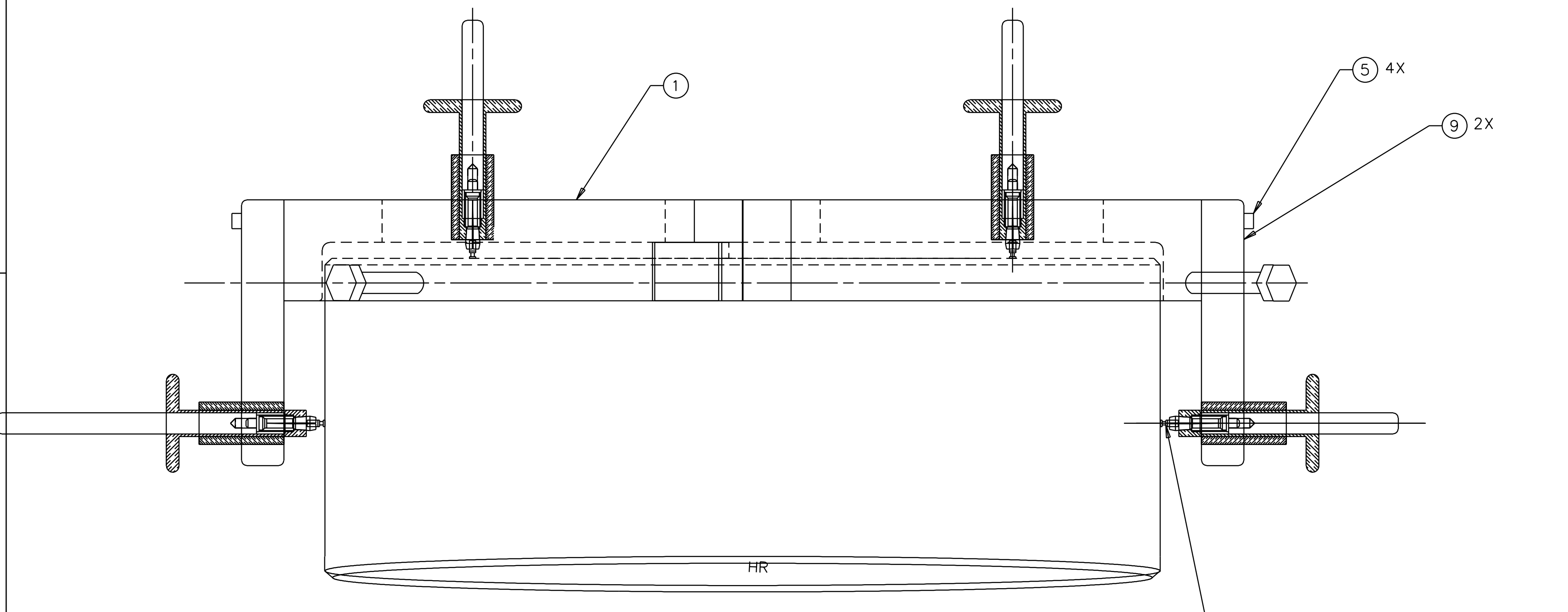


ITEMS 8, 11, 12, 14 AND 15 NOT SHOWN FOR CLARITY



ITEMS 8, 11, 12, 14 AND 15 NOT SHOWN FOR CLARITY

MAGNET/STANDOFF ASSEMBLY, REF.

OPTIC	SIDE BLOCK PART NUMBER
ETM, MMT3, FM	D990186
ITM, 4K	D990187
RM	D990188
ITM, 2K	D990189

QTY	REQ	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION	ITEM NO.
3		D970562	BS CHAMFER STOP		17
4			10-32 X .75 SHCS	STAINLESS	16
2		ACCURATE SCREW MACHINE P/N 8128.5.0.1032SS	HANDLE	STAINLESS	15
4			#4 OVERSIZE FLT WASHER	STAINLESS	14
1			OPTIC [ETM SHOWN]		13
4		LEE SPRING P/N LC-018C-9	COMPRESSION SPRING	STAINLESS	12
2		D990193	LOS PRESSURE BRACKET	ALUM 6061-T6	11
4			4-40 X .50 SHCS	STAINLESS	10
2		SEE TABLE 1	SIDE BLOCKS	ALUM 6061-T6	9
1		D990192	LARGE OPTIC HOLDER		8
3		D990185	LOS OPTIC PAD	PFA 440 HP	7
3			1/4-20 X .63 SHCS	STAINLESS	6
8			4-40 X .75 SHCS	Ag PLT SST	5
6		Mc MASTER CARR P/N 8380T1	PENCIL MECHANISM	FROM BEROL PENCIL	4
6		D990160	BRASS PLUNGER	BRASS	3
6		D990161	PENCIL MECH. HOLDER	PRECISION STAINLESS SHAFT	2
1		D990159	GRIPPER MAGNET/STANDOFF RING		1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS DECIMALS ANGLES		APPROVALS	DATE	LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	
SEE NOTES		DRAWN J. Romie	4/99	TITLE GRIPPER ASSEMBLY	
DO NOT SCALE DRAWING		CHECKED		SIZE E	REV A
NEXT ASSEMBLY	MATERIAL	SCALE 1/1		FILE LOCATION /home/dcc/docs/D990158.pdf	SHEET 1 OF 1