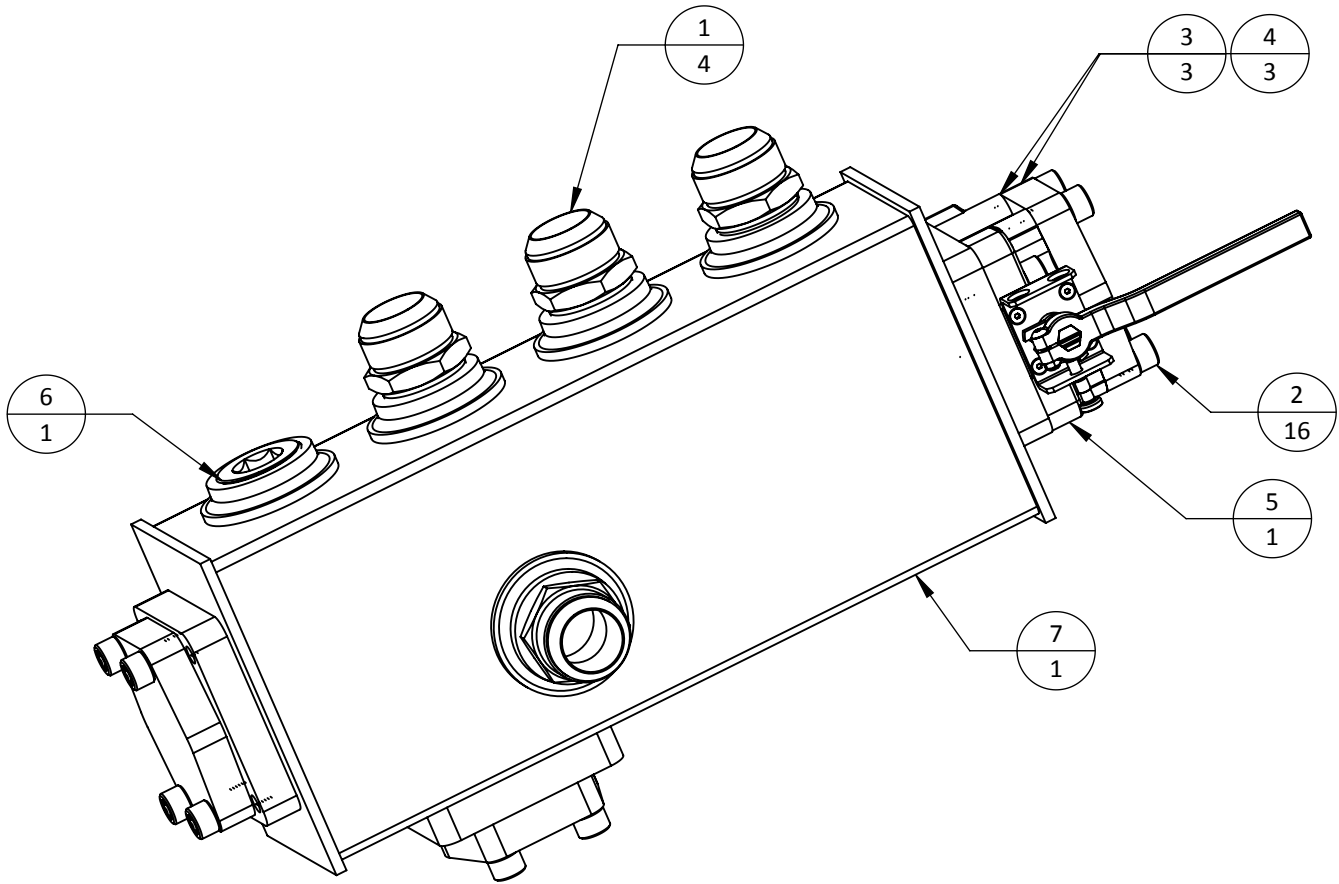


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	95431	MALE CONN. #24 JIC TO 1 1/2 NPT PARKER PART No 24-FTX-S	4
2	95434	CAPSCREW, SOC CAP, M12 x 35, GR 12.9	16
3	95439	BLANK FLANGE SAE 2 1/2	3
4	95440	O RING SAE 2 1/2 SAE	3
5	95441	BUTTERFLY VALVE 2 1/2 SAE - DIN 65 ASA HYRAULIK AF63 SDA0063	1
6	95442	1.50" NPT HOLLW HEX HD PLUG	1
7	254956	DRAIN MANIFOLD - FABRICATED ASSY	1



NOTES;  
1. MANIFOLD ASSEMBLY MUST BE LEAK TESTED AFTER COMPONENTS ASSEMBLED.  
MANIFOLD ASSEMBLY MUST BE 100 % LEAK FREE

MAKE MODEL FROM: 1509-LS-045-A

REV	CHANGED FROM	BY	DATE	APRD
A	PRE-RELEASE	CPS	4/29/13	
B	RELEASE FOR PRODUCTION	CPS	5/10/13	
C	95431 DESCRIPTION (ROMAX DOC 1509-ECN-025 REFERS)	CPG	7/8/14	

REPORT ERRORS & CHANGES  
REMOVE ALL BURRS AND SHARP EDGES  
DIMENSIONS ARE IN MILLIMETERS.  
UNSPECIFIED TOLERANCES:  
DECIMALS:      FINISH:      ANGLES:

X.    ±1.0      6.3 /  
.X    ±0.5      √ μm Ra  
.XX   ±0.25

∠ ± 0.5°

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NOT TO BE REPRODUCED OR USED TO MAKE  
OTHER DRAWINGS OR MACHINERY

DRAWN    CPS    DATE: 4/29/13

CHECKED   NJB    THIRD ANGLE PRJ

National Renewable  
Energy Laboratory

TITLE:  
MANIFOLD FABRICATED ASSY

SIZE  
B

DWG. NO.  
254957

REV  
C

SCALE: 1:4

WEIGHT: 24.49 kgs

SHEET 1 OF 1