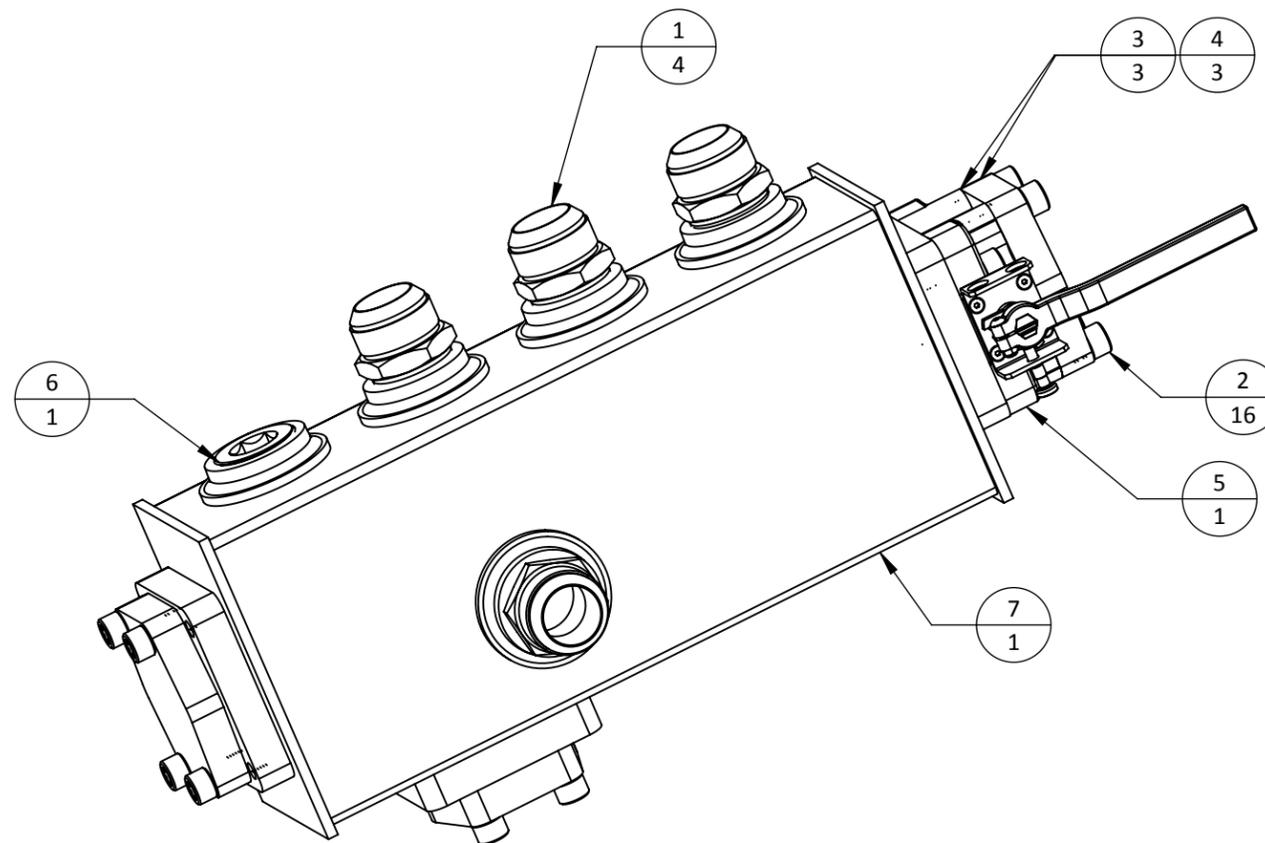


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	95431	MALE CONN. #24 JIC TO 1 1/2 NPT PARKER PART No 24-FTX-S	4
2	95434	CAPSCREW, SOC CAP, M12 x 35, GR 12.9	16
3	95439	BLANK FLANGE SAE 2 1/2	3
4	95440	O RING SAE 2 1/2 SAE	3
5	95441	BUTTERFLY VALVE 2 1/2 SAE - DIN 65 ASA HYRAULIK AF63 SDA0063	1
6	95442	1.50" 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 / $\sqrt{\mu\text{m Ra}}$ $\leq \pm 0.5^\circ$
.X ±0.5
.XX ±0.25

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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