



REV	DESCRIPTION	DRAWN	DATE

ITEM	PART NO.	DESCRIPTION OR SIZE	QTY.
20	COMIL	TURN BUCKLE, W/LEAD FROM ENDS, 5/16-18	1
19	COMIL	HEX JAM NUT, 1/4-20 UNC. S.S. 304	2
18	COMIL	FLAT WASHER, 1/4" NOM. S.S. 304	1
17	COMIL	SHOULDERED EXHAUST, 1/4-20 x 1.1 1/4 LG., S.S. 316, W/MASTER-CARE P/N 8891173	1
16	COMIL	CLAMP FLANGE, FOR 6" ISO NW160 FLANGE, MOC P/N 862002	8
15	COMIL	CLAMP FLANGE, FOR 6" ISO NW160 FLANGE, MOC P/N 862002	2
14	COMIL	CENTERING RING ASSY., S.S. RING W/1/16" DRING, FOR 150 NW160 FLANGE, MOC P/N 101012	3
13	COMIL	CENTERING RING ASSY., S.S. RING W/1/16" DRING, FOR 150 NW160 FLANGE, MOC P/N 101003	4
12	COMIL	CENTERING RING ASSY., S.S. RING W/1/16" DRING, FOR 150 NW160 FLANGE, MOC P/N 101001	4
11	COMIL	CENTERING RING ASSY., S.S. RING W/1/16" DRING, FOR 150 NW160 FLANGE, MOC P/N 101002	8
10	COMIL	CENTERING RING ASSY., S.S. RING W/1/16" DRING, FOR 150 NW160 FLANGE, MOC P/N 101003	8
9	COMIL	FLEXIBLE HOSE, 1 1/2" I.D. x 10.00 LG., 150 NW160 FLANGES, LEISER P/N MB-DP-510	1
8	COMIL	CENTERING RING ASSY., S.S. RING W/1/16" DRING, FOR 150 NW160 FLANGE, MOC P/N 101002	3
7	COMIL	FOUR-WAY CROSS, 1.50 TUBE O.D., W/150 NW160 FLANGES, MOC P/N 725002	1
6	COMIL	WALVE, MOC W/150 NW160 FLANGES, MOC P/N 794002	1
5	COMIL	WALVE, MOC W/150 NW160 FLANGES, MOC P/N 794002	1
4	COMIL	WALVE, MOC W/150 NW160 FLANGES, MOC P/N 794002	1
3	MC-384342	SPOOL WELDMENT, 6" x 20.38 LG.	1
2	MC-384351	SPOOL WELDMENT, 6" x 33.04 LG.	1
1	MC-384408	SPOOL WELDMENT, 6" x 8.75 LG.	1

UNLESS OTHERWISE SPECIFIED	ORIGINATOR	R. L. SCHMITT	08-FEB-2002
.XX	ANGLES	W. CHMO	08-FEB-2002
.13	±	CHECKED	
.13	±	APPROVED	

1. BREAK ALL SHARP EDGES
 2. DIMENSIONS TO SCALE DRAWING
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 20. DIMENSIONS TO SCALE DRAWING

SEE ABOVE PARTS LIST

FERMI NATIONAL ACCELERATOR LABORATORY
 UNITED STATES DEPARTMENT OF ENERGY
 PPD/MECHANICAL DEPT.

REFRIGERATOR VACUUM LINE ASSY.
 COMS

SCALE: DRAWING NUMBER: 9213.300-MD-384409
 SHEET: 1 OF 1
 1/4" SCALE

GROUP: PPD/MECHANICAL DEPARTMENT
 CREATED WITH: IdecSoft