

NOTES

1 ELEMENTS CROSS THE ELECTRON BEAM AS READ (FROM LEFT-TO-RIGHT)

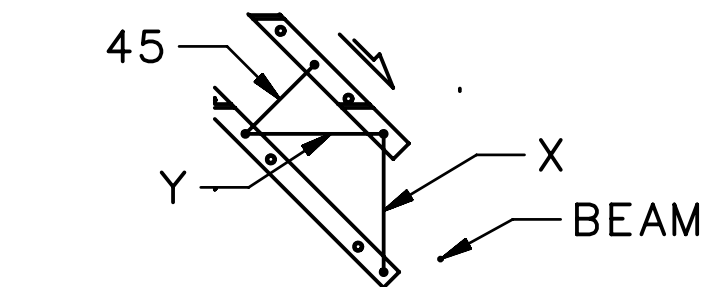
2 MACHINE CENTER IS 400.0948 METERS UPSTREAM OF "HALL CENTER"

3 CONTENTS:

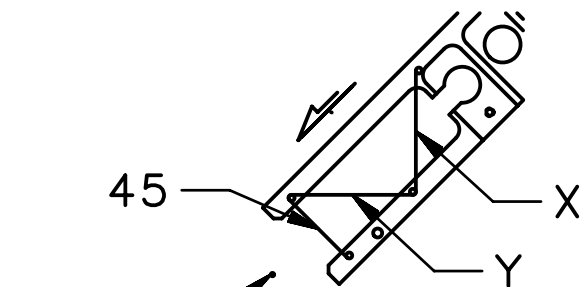
PAGE 1: COMPONENT POSITIONING FOR REFERENCE BY COUNTING-ROOM & MCC OPERATORS  
PAGE 2: COMPONENT IDENTIFICATION FOR INSTALLATION BY TECHNICAL STAFF  
PAGE 3: IDENTIFICATION OF MATERIALS IN THE BEAM, & BEAMLINE SHIELDING

4 BEAM-TUBE IDENTIFICATION:

FORMAT: A - B - C, L  
A = UPSTREAM FLANGE SIZE  
B = TUBE OD  
C = DOWNSTREAM FLANGE SIZE  
L = LENGTH  
CONFLAT FLANGES UNLESS SPECIFIED



DETAIL A-A  
2H01, 3-WIRE X,Y,45°



DETAIL B-B  
2H00, 3-WIRE 45°,Y,X

24.195 M : SHIELD WALL, UPSTREAM ALCOVE  
23.758 M : 2C03H RASTER MAGNET, 66844-02226  
23.250 M : 2C03V RASTER MAGNET, 66844-02226  
22.769 M : 2C24 TARGER HARP: 3-WIRE, 45°, Y, X  
22.592 M : 50 OHM STRIPLINE BPM, DIA-007-0100-0038  
22.253 M : 2X COUNTERS, UPSTREAM  
22.005 M : VALVE #VBV2024A  
21.925 M : PUMP-SET : VTP2024A

16.213 M : COLL IMATOR BOX : EMPTY, 20mm, NO HOLE, 12mm  
15.827 M : VALVE #VBV2H00

14.003 M : 2H00 BPM PM-M15 ASSY, 58432-0156  
13.645 M : 2H00 QA MAGNET ASSY, 22232-0001  
13.201 M : 2H00 QA MAGNET ASSY, 22232-0001  
12.859 M : 2H00 BD MAGNET ASSY, MAG-002-0003-0001  
12.636 M : 2H00 BD MAGNET ASSY, MAG-002-0003-0001  
12.388 M : 2H00 PUMP-SET : VTP2H00

9.458 M : 2H01 BPM : IPM2H01  
9.180 M : 2H01 BPM : IPM2H01V  
8.882 M : 2H01 BPM : IPM2H01H

8.521 M : 2H01 HARP : 3-WIRE, X,Y,45°  
8.221 M : 50 OHM STRIPLINE BPM, DIA-007-0100-0038  
8.058 M : VALVE #VBF2H01A

6.008 M : VALVE #VBV2H01A  
5.868 M : 4X COUNTERS, MIDSTREAM  
4.801 M : SACLAY PUMP-SET : VTP2H01A

1.303 M : SOLENOID CENTER  
.000 M : HALL CENTER

7.923 M : 4X COUNTERS, DOWNSTREAM

17.658 M : HPS DIPOLE MAGNET (OFF BEAMLINE)

20.764 M : 2H02 PUMP-SET : VTP2H02  
21.000 M : SHIELD WALL, DOWNSTREAM ALCOVE

23.463 M : MAGNET (DECOMMISSIONED)

25.157 M : HPS PHOTON DUMP

26.165 M : DOWNSTREAM VIEWER

28.100 M : SHIELD WALL FARADAY CUP

ELEVATION 1-5A  
UPSTREAM ALCOVE TO DOWNSTREAM ALCOVE  
(SHOWN IN LIQUID TARGET CONFIG.)

PRELIMINARY

EACH SHEET OF MULTI-SHEET DRAWINGS SHALL ALWAYS HAVE THE SAME REVISION LEVEL.			
DIN & TOL PER ASME Y14.5 2009. UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE: FRACTIONS DECIMAL ANGLES ± 1/8 ± .01 ± .50° XX ± .01 ± .50° XX ± .005	MATERIAL SEE PARTS LIST	United States Department of Energy	Jefferson Lab Thomas Jefferson National Accelerator Facility Newport News Virginia
THIRD ANGLE PROJECTION 	FINISH MACHINED SURFACES UNLESS OTHERWISE NOTED DEBURR & BREAK ALL SHARP EDGES	125	HALL B 02 BEAM LINE 00 INSTALLATION TEMPLATE BEAMLINE ASSY, CONFIGURATION D01
DO NOT SCALE DRAWING	SIZE (DWG. NO.) E BD2301-02-00-0000	SCALE N/A	REV. —
DRAWN CHRIS GUTHRIE	DATE DUMMY	ISSUED ON ASSY NO. N/A	SHEET 1 OF 5