



16.40° CALORIMETER ASSEMBLY

18.4° BEAM ANGLE

HEAVY GAS CHERENKOV CONFIGURATION

DETECTOR SIZE AND FOCAL POINT LOCATION				
ITEM #	FOCAL POINT ε LOCATION	LENGTH MAX	WIDTH	HEIGHT
1	1766.6mm	2300.0mm	1500.0mm	1500.0mm
2	400.0mm	130.0mm	1752.6mm	2133.4mm
3	563.5mm	180.0mm	1752.6mm	2133.4mm
4	1376.2mm	1300.0mm	∅1732.3mm	N/A
5	2200.8mm	300.0mm	1100.0mm	1300mm
6	2763.5mm	180.0mm	1752.6mm	2133.4mm
7	540.8mm	101.6mm	T.B.D	T.B.D
8	1761.7mm	2209.9mm	1587.5mm	2362.2mm

NOTES

- 1: ITEM #9 LOCATION IS MEASURED AT THE FRONT OF THE DETECTOR AND LOCATED ON FOCAL POINT ε.
- 2: DETECTORS ARE SHIFTED 50mm BELOW FOCAL POINT ON BEAM OFFSET ε EXCEPT AS NOTED.
- 3: DIMENSIONS ARE IN INCHES AND [MILLIMETERS].
- 4: OPTIONAL DETECTOR.

QTY	ITEM NO.	PART OR IDENTIFYING NO.	REFERENCE SYMBOL OR DESCRIPTION	MATERIAL SPECIFICATION	NOTES
1	9	-	CALORIMETER ASSEMBLY	-	-
1	8	-	FPP ASSEMBLY	-	-
1	7	-	S0 HODOSCOPE ASSY	-	-
1	6	-	S2 HODOSCOPE ASSY	-	-
1	5	-	AEROGEL ASSEMBLY	-	-
1	4	-	HEAVY GAS CHERENKOV	-	-
1	3	-	S1 HODOSCOPE ASSY	-	-
2	2	-	WIRE CHAMBER	-	-
1	1	-	NOBEL GAS CHERENKOV	-	-

UNITED STATES DEPARTMENT OF ENERGY
Jefferson Lab
 OFFICE OF SCIENCE
 Newport News, Virginia

HALL C SHMS HUT DETECTOR LAYOUT

SCALE: 1/10 SHEET 1 OF 3

DATE: 8/4/09

APPROVED: [Signature]

TRACKING NO. N/A

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

UNLESS OTHERWISE NOTED, DEBURR & BREAK ALL SHARP EDGES