REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED
ZN	A	XXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXX XXX XXXXX	DRMONYR	XXXXXXX
			DRMONYR	XXXXXXX

HALL D SOLENOID MAGNET

(TRANSITION LEADS) 2 VOLTAGE TAPS — 1 CABLE
13 VOLTAGE TAPS — 1 CABLE
13 VOLTAGE TAPS — 1 CABLE

VOLTAGE TAP DIST. BOX

VTT (1) — 1 CABLE
VTT (18) — 1 CABLE
(6) SIGNALS — 3 CABLES

DANFYSIK QUENCH DETECTOR — 1 CABLE

COIL #1: 16 PT-100'S, 8 CARBON RESISTANCE THERMOMETERS, 11 THERMOCOUPLES, 6 STRAIN GAGES — 5 CABLES, 3 CABLES
COIL #2: 16 PT-100'S, 7 CARBON RESISTANCE THERMOMETERS, 11 THERMOCOUPLES, 6 STRAIN GAGES — 5 CABLES, 3 CABLES
COIL #3: 16 PT-100'S, 7 CARBON RESISTANCE THERMOMETERS, 11 THERMOCOUPLES, 6 STRAIN GAGES — 5 CABLES, 3 CABLES
COIL #4: 16 PT-100'S, 7 CARBON RESISTANCE THERMOMETERS, 11 THERMOCOUPLES, 6 STRAIN GAGES — 5 CABLES, 3 CABLES

CONTROL RACKS

110V
POWER DISTRIBUTION
I/O

PLC RACK

PROPOSED DIST. BOX AND CABLING

12 LVDTS — 12 CABLES
12 JT ACTUATOR MOTORS — 12 CABLES
3 LHe TANK SENSORS — 3 CABLES
4 He SUPPLY SENSORS — 4 CABLES
2 He RETURN SENSORS — 2 CABLES
1 WARM He FROM MAGNET SENSOR — 1 CABLE
3 LN2 TANK SENSORS — 3 CABLES
1 LN2 SUPPLY SENSORS — 1 CABLE
4 NITROGEN JACKET SENSORS — 4 CABLES
2 VACUUM JACKET SENSORS — 2 CABLES
6 CURRENT LEAD SENSORS — 6 CABLES

DIST. BOX — ? CABLES

3 CABLES
3 CABLES

HEAT EXCHANGER 1: He JT-LVDT SENSOR, He JT-ACTUATOR MOTOR, He TEMPERATURE SENSOR

HEAT EXCHANGER 2: N2 JT-LVDT SENSOR, N2 JT-ACTUATOR MOTOR, N2 TEMPERATURE SENSOR

REV.	REV. STATUS OF SHTS.
SHEET	

NEXT ASSY | USED ON | APPLICATION

DOCUMENT CONTROL STAMP

MATERIAL: X

FINISH: MACHINED SURFACES XXX UNLESS OTHERWISE NOTED
DEBURR & BREAK ALL SHARP EDGES

DO NOT SCALE DRAWING

DIM & TOL PER ASME Y14.5 - UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS ±1/8 | DECIMAL .X ±.1, .XX ±.01, .XXX ±.005 | ANGLES ±.50°

THIRD ANGLE PROJECTION

TRACKING NO. N/A

APPROVALS	DATE
DRAWN YOUR NAME	083004
CHECKED X	X
APPROVED X	X
APPROVED X	X

Jefferson Lab
Thomas Jefferson National Accelerator Facility
NEWPORT NEWS, VIRGINIA
UNITED STATES DEPARTMENT OF ENERGY

T. JEFFERSON LABS
HALL D SOLENOID MAGNET
INTERCONNECT
SYSTEM DIAGRAM

SIZE D | DWG. NO. XXXXX-D-0305 | REV. —

SCALE X:X | USED ON ASSY NO. XXXXX-X-XXXX | SHEET 1 OF 1

Me10