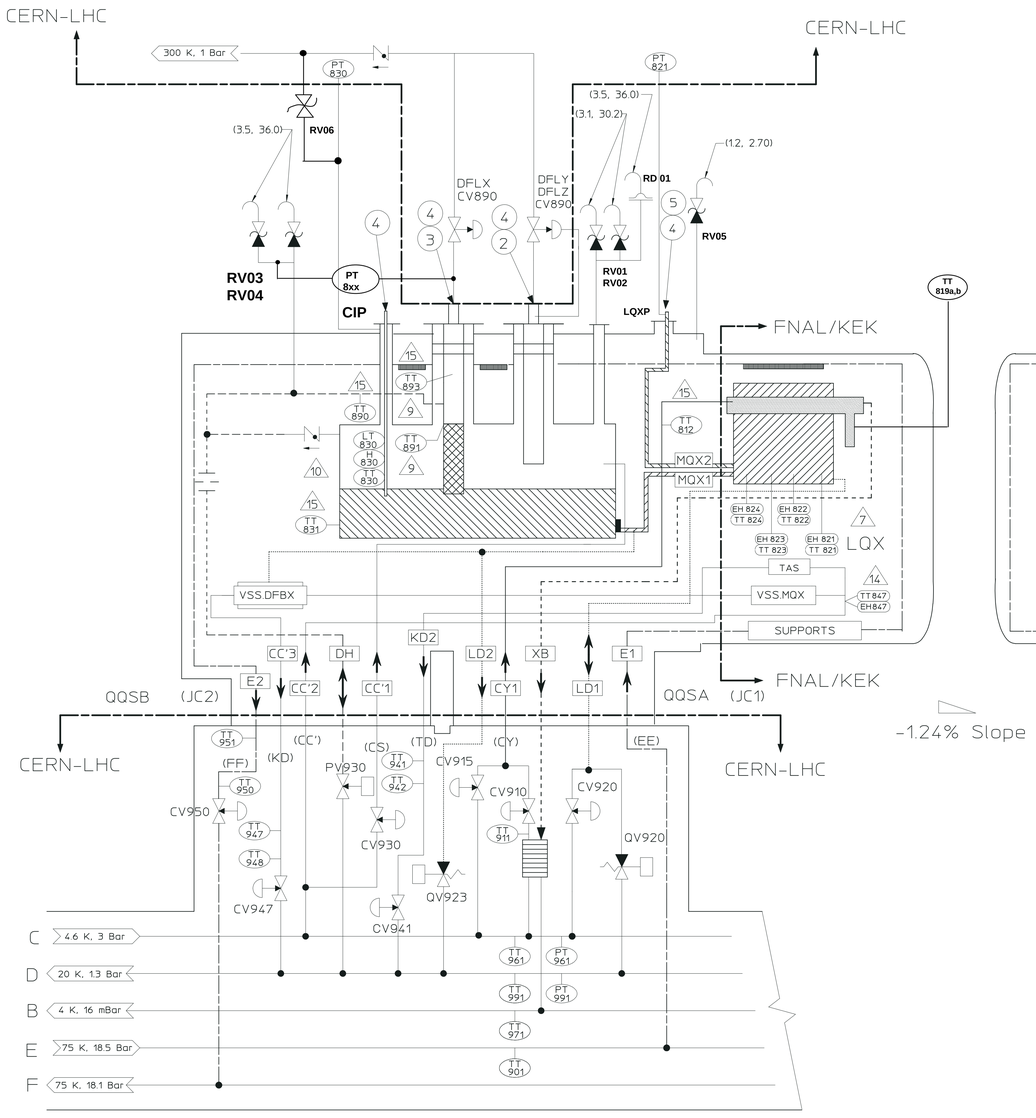
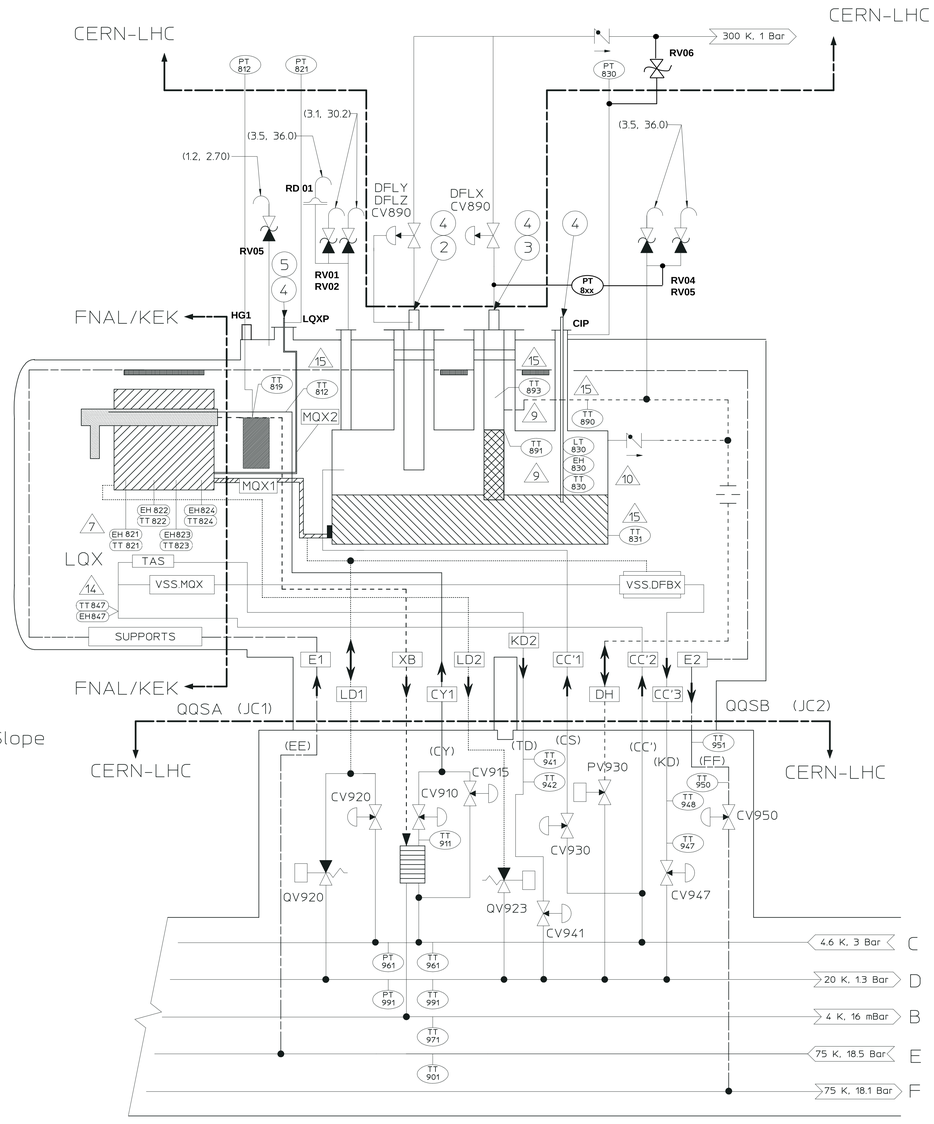
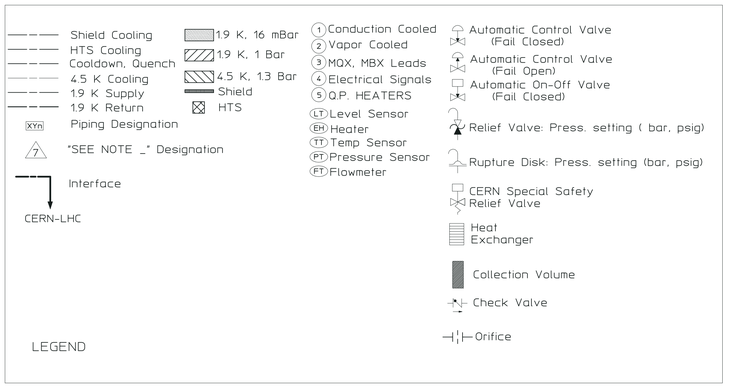
IP5 Left – DFBXE



IP5 Right – DFBXF



25H4116



NOTES:

1. HEADER TEMPERATURES AND PRESSURES ARE APPROXIMATE NOMINAL CONDITIONS.
2. INTERFACE BOUNDARIES ARE INDICATED.
3. ALL SENSORS IN LQX NOT SHOWN.
4. QRL SENSORS INCLUDED FOR REFERENCE.
5. PIPING DESIGNATIONS PER LHC-Q-ES-0001.00 rev 1.0 SHOWN IN ( ) AS REQUIRED.
6. SAFETY RELIEF DEVICES PER LBNL ENG. NOTE M8054.
7. INSTRUMENTATION IS 2X REDUNDANT AT EACH LOCATION. WIRES CONNECT TO LQX FEEDTHROUGH VIA MQX2 TUBE.
8. RESERVED.
9. INSTRUMENTATION WIRES IN HTS LEAD FEEDTHROUGH. ONLY TT891 IS 2X REDUNDANT. 4 HTS LEADS PER BOX.
10. INSTRUMENTATION WIRES IN LHE DIAGNOSTIC FEEDTHROUGH 2X REDUNDANT.
11. UNLESS OTHERWISE NOTED, INSTRUMENTATION WIRES IN VACUUM SPACE.
12. VSS INTERCONNECTION HARDWARE PROVIDED BY CERN.
13. RELIEF DEVICE PRESSURE SETTINGS IN BAR (ABSOLUTE)
14. WIRES EXIT AT Q1.
15. SENSOR NOT REDUNDANT.

FORMERLY 24C3706-4

REV	DWG	CHK	ZONE	DATE	CHANGES
B	jz		D1-8	8Aug05	Added LQX Temp Sensors, CERN press tap and bleed line, numbered LBL safety devices

PART NO. | DESCRIPTION

UNLESS OTHERWISE SPECIFIED — TOLERANCES

SHOP ORDERS: ACCT. NO. / SERIAL NO. / DATE ISSD / DATE REQD. / NO. REQD. / DELIVER TO

THREADS ARE CLASS 2. CHAMFER ENDS OF ALL SCREW THREADS 30°. CUT 1.5 PITCH THRD RELIEF WITH ROUND NOSE TOOL ON MACHINE CUT THREADS. BREAK EDGES .016 MAX. ON MACHINED WORK. REMOVE BURRS WELD SPLATTER & LOOSE SCALE. REFERENCES: ANSI Y14.5 & B46.1.

SURFACE TREATMENT / IDENT. / METH.

DWG BY: Y. KAJIYAMA — DATE 25-OCT-02
CHK BY: JON ZBASNIK — DATE 25-OCT-02

LAWRENCE BERKELEY LABORATORY
UNIVERSITY OF CALIFORNIA-BERKELEY

LARGE HADRON COLLIDER, IR FEEDBOX
CRYOGENICS
DFBX IP5 FLOW SCHEMATICS

PATENT CLEAR	DWG. TYPE	SHOWN ON	SCALE	DO NOT SCALE PRINTS
	SCHEMATIC		N/A	

MICROFILMED	DESIGN ACCT. NO	CATEGORY CODE	DWG. NO.	SIZE	REV.
	Z5LCE6	LH2003	25H4116		B

FOR CERN USE