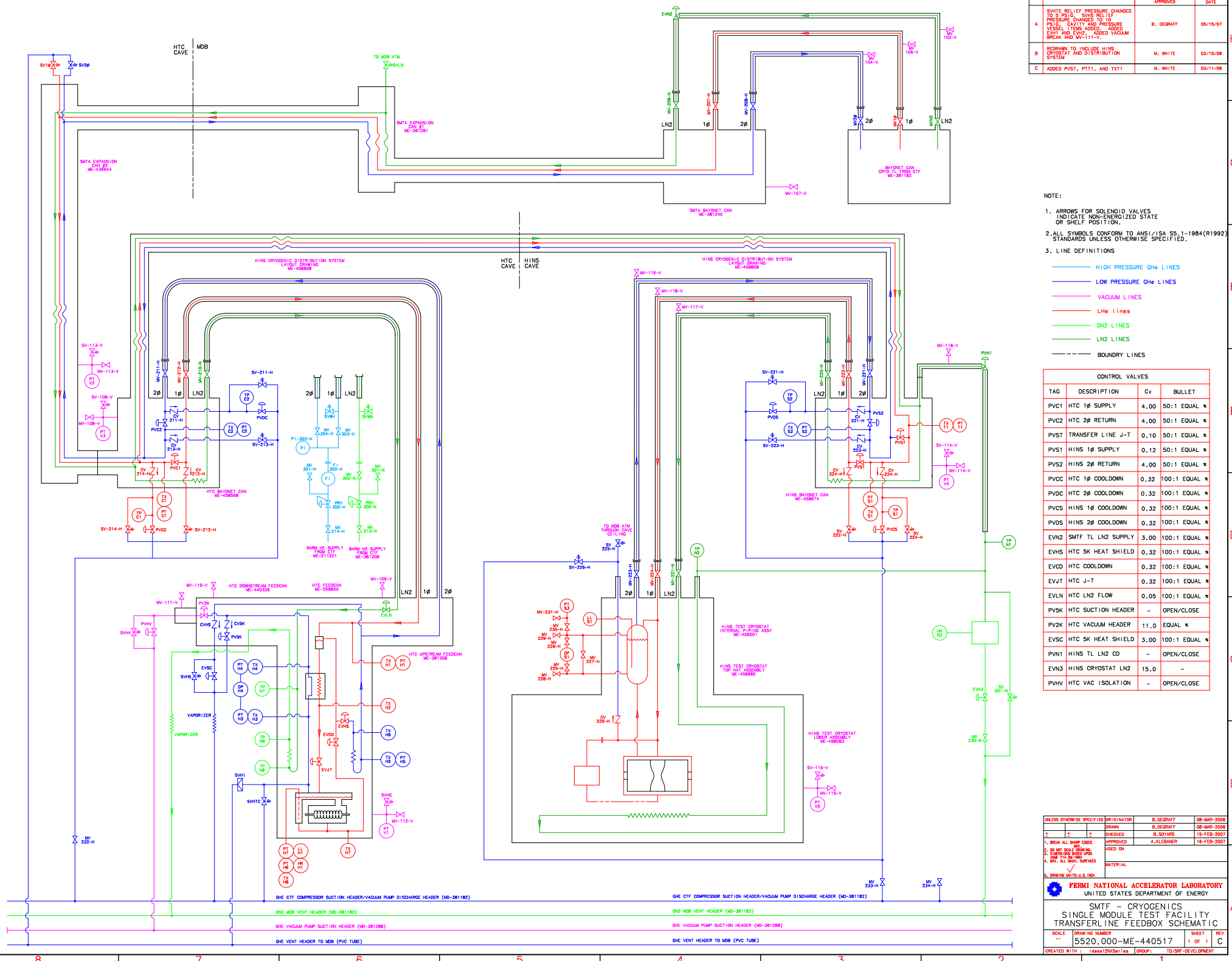

REV	DESCRIPTION	DRAWN / APPROVED	DATE
A	SVHTC RELIEF PRESSURE CHANGED TO 5 PSIG. SVHS RELIEF PRESSURE CHANGED TO 15 PSIG. CAVITY AND PRESSURE VESSEL ITEMS ADDED. ADDED EVHT AND EVN2. ADDED VACUUM BREAK AND MV-111-V.	B. DEGRAFF	05/15/07
B	REDRAWN TO INCLUDE HINS CRYOSTAT AND DISTRIBUTION SYSTEM	M. WHITE	03/10/09
C	ADDED PVST, PTT1, AND TXT1	M. WHITE	03/11/09

NOTE:

1. ARROWS FOR SOLENOID VALVES INDICATE NON-ENERGIZED STATE OR SHELF POSITION.
2. ALL SYMBOLS CONFORM TO ANSI/ISA S5.1-1984(R1992) STANDARDS UNLESS OTHERWISE SPECIFIED.
3. LINE DEFINITIONS
   - HIGH PRESSURE GHe LINES
   - LOW PRESSURE GHe LINES
   - VACUUM LINES
   - LHe lines
   - GN2 LINES
   - LN2 LINES
   - BOUNDRY LINES

CONTROL VALVES			
TAG	DESCRIPTION	Cv	BULLET
PVC1	HTC 1ø SUPPLY	4.00	50:1 EQUAL %
PVC2	HTC 2ø RETURN	4.00	50:1 EQUAL %
PVST	TRANSFER LINE J-T	0.10	50:1 EQUAL %
PVS1	HINS 1ø SUPPLY	0.12	50:1 EQUAL %
PVS2	HINS 2ø RETURN	4.00	50:1 EQUAL %
PVCC	HTC 1ø COOLDOWN	0.32	100:1 EQUAL %
PVDC	HTC 2ø COOLDOWN	0.32	100:1 EQUAL %
PVCS	HINS 1ø COOLDOWN	0.32	100:1 EQUAL %
PVDS	HINS 2ø COOLDOWN	0.32	100:1 EQUAL %
EVN2	SMTF TL LN2 SUPPLY	3.00	100:1 EQUAL %
EVHS	HTC 5K HEAT SHIELD	0.32	100:1 EQUAL %
EVCD	HTC COOLDOWN	0.32	100:1 EQUAL %
EVJT	HTC J-T	0.32	100:1 EQUAL %
EVLN	HTC LN2 FLOW	0.05	100:1 EQUAL %
PV5K	HTC SUCTION HEADER	–	OPEN/CLOSE
PV2K	HTC VACUUM HEADER	11.0	EQUAL %
EVSC	HTC 5K HEAT SHIELD	3.00	100:1 EQUAL %
PVN1	HINS TL LN2 CD	–	OPEN/CLOSE
EVN3	HINS CRYOSTAT LN2	15.0	–
PVHV	HTC VAC ISOLATION	–	OPEN/CLOSE

UNLESS OTHERWISE SPECIFIED	ORIGINATOR	B.DEGRAFF	08-MAR-2006
	DRAWN	B.DEGRAFF	08-MAR-2006
± ± ±	CHECKED	B.SOYARS	15-FEB-2007
1. BREAK ALL SHARP EDGES AND CORNERS. 2. DO NOT SCALE DRAWING. 3. DIMENSIONS BASED UPON ASME Y14.5M-1994. 4. MAX. ALL MACH. SURFACES	APPROVED	A.KLEBANER	16-FEB-2007
	USED ON		
5. DRAWING UNITS: U.S. INCH	MATERIAL		

FERMI NATIONAL ACCELERATOR LABORATORY
UNITED STATES DEPARTMENT OF ENERGY

SMTF – CRYOGENICS SINGLE MODULE TEST FACILITY TRANSFERLINE FEEDBOX SCHEMATIC

SCALE	DRAWING NUMBER	SHEET	REV
--	5520.000-ME-440517	1 OF 1	C

CREATED WITH : Ideas12NXSeries GROUP: TD/SRF-DEVELOPMENT