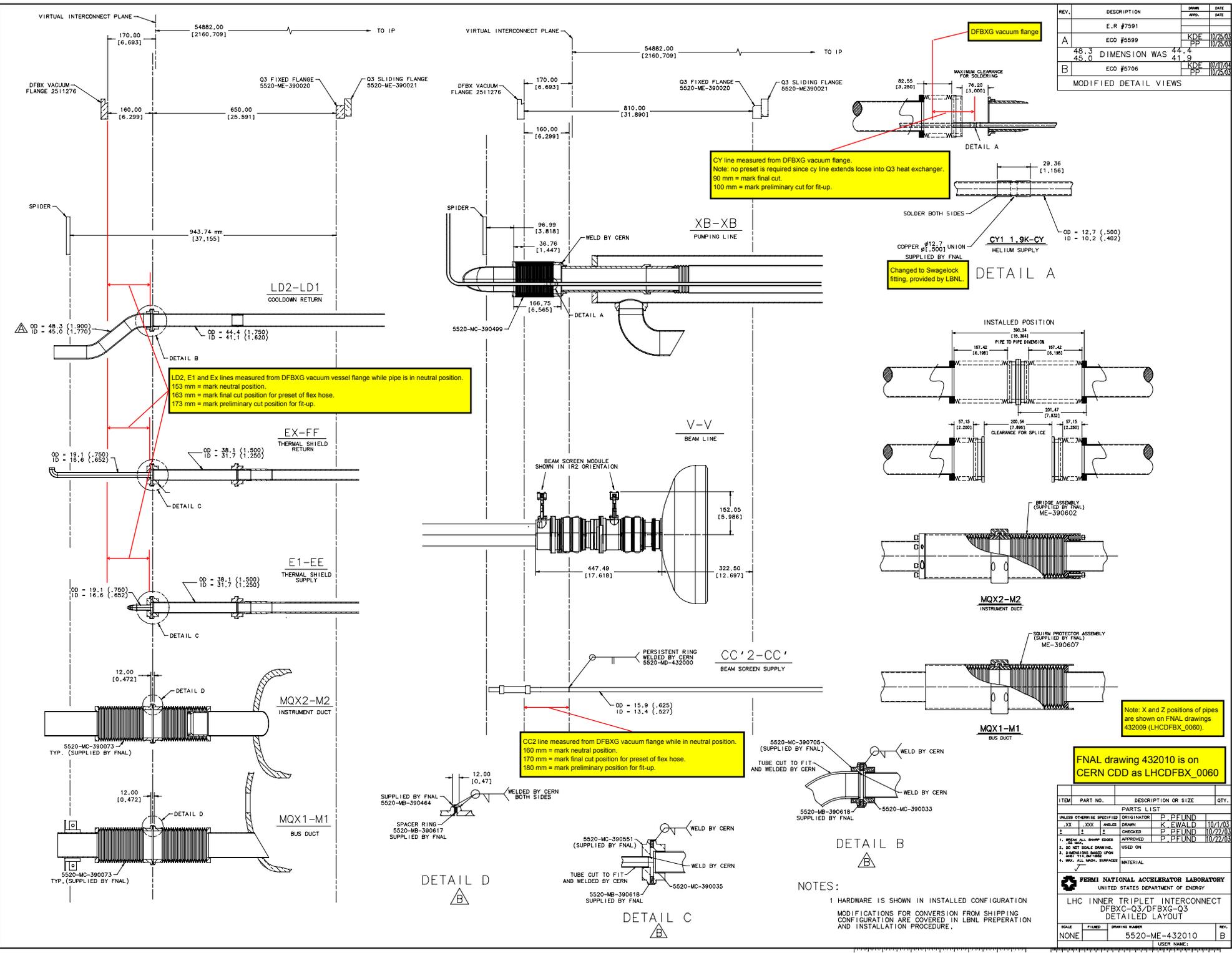


Q3-DFBX Interconnect Procedure Attachment 1



REV.	DESCRIPTION	BY	DATE
	E.R #7591		
A	ECO #5599	KDE	10/22/03
	48.3 DIMENSION WAS 44.4	PP	
B	ECO #5706	KDE	10/22/03
	45.0 DIMENSION WAS 41.9	PP	

MODIFIED DETAIL VIEWS

CY line measured from DFBXG vacuum flange.
 Note: no preset is required since cy line extends loose into Q3 heat exchanger.
 90 mm = mark final cut.
 100 mm = mark preliminary cut for fit-up.

LD2, E1 and Ex lines measured from DFBXG vacuum vessel flange while pipe is in neutral position.
 153 mm = mark neutral position.
 163 mm = mark final cut position for preset of flex hose.
 173 mm = mark preliminary cut position for fit-up.

CC2 line measured from DFBXG vacuum flange while in neutral position.
 160 mm = mark neutral position.
 170 mm = mark final cut position for preset of flex hose.
 180 mm = mark preliminary position for fit-up.

Note: X and Z positions of pipes are shown on FNAL drawings 432009 (LHCFDBX_0060).

FNAL drawing 432010 is on CERN CDD as LHCFDBX_0060

ITEM	PART NO.	DESCRIPTION OR SIZE	QTY.
PARTS LIST			
UNLESS OTHERWISE SPECIFIED	ORIGINATOR	P, PFUND	
1. XXX	UNLESS OTHERWISE SPECIFIED	K, KWALD	10/21/03
2. L	CHECKED	P, PFUND	10/22/03
3. APPROVED	APPROVED	P, PFUND	10/22/03
4. MATERIAL	USED ON		
FERMILAB NATIONAL ACCELERATOR LABORATORY UNITED STATES DEPARTMENT OF ENERGY			
LHC INNER TRIPLET INTERCONNECT DFBXC-Q3/DFBXG-Q3 DETAILED LAYOUT			
SCALE	FILING	DRAWING NUMBER	REV.
NONE		5520-ME-432010	B

NOTES:
 1. HARDWARE IS SHOWN IN INSTALLED CONFIGURATION
 MODIFICATIONS FOR CONVERSION FROM SHIPPING CONFIGURATION ARE COVERED IN LBNL PREPARATION AND INSTALLATION PROCEDURE.

