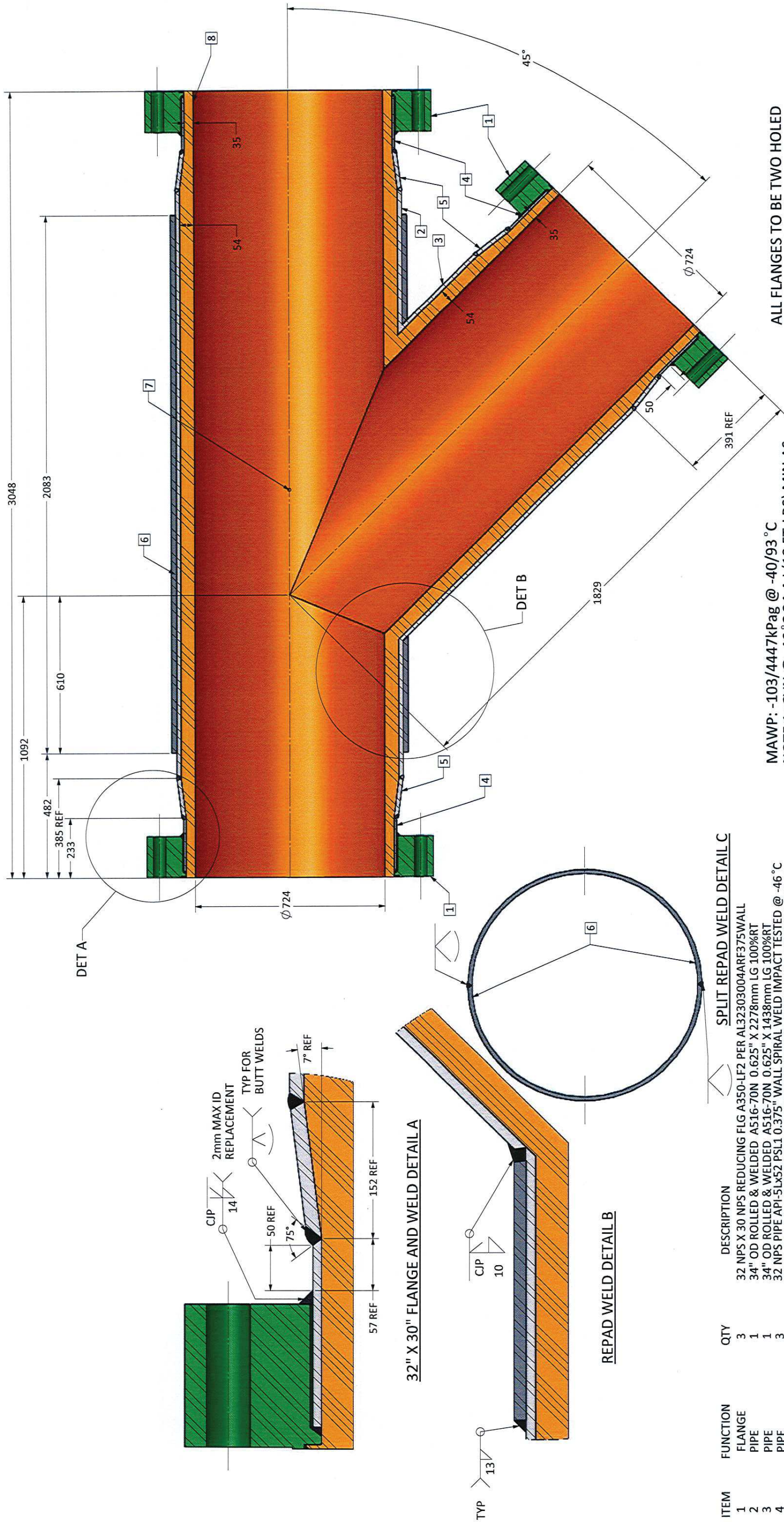


MAWP: -103/4447kPag @ -40/93 °C
NOTE 1: CVN @ -46 °C 24.4 J (18 FT-LBS) MIN AS
ACCEPTANCE PER ASME B31.3 ON BASE, HAZ, AND WELD
NOTE 2: ALL WPS USED FOR PRODUCTION WELDING
SHALL BE QUALIFIED PER B31.3 TABLE 323.3.1 A-4
CODE OF CONSTRUCTION: ASME B31.11-2002

ALL FLANGES TO BE TWO HOLED
EST WEIGHT 3220kg
RT 5% BW
MT 10% ALL NON BW
HYDROTEST 4892kPag, 30 min
SNOOP-TEST REPAID, 103kPag

FOR:	SHELL CANADA ENERGY		
DRAWING TITLE:	28" LATERAL DETAILS		
DRAWING NO.	3-2-0218	Sheet 4 of 7	

REV	DATE	BY	DESCRIPTION	CHECKED BY	APPROVED BY
A	05/16/2013	JJW	UPDATE NOTE 1, CHANGE 15mm TO 14mm WELDS		
B	11/01/2012	JJW	UPDATE WEIGHT, AROUND WELD, ADD NOTE 1		
C	06/21/2012	JJW	REVISE NOTES		
D	04/12/2011	DHM	NOTES, BOM		
E	04/08/2011	DHM	NOTES, BOM		



MAWP: -103/4447kPag @ -40/93 °C
NOTE 1: CVN @ -46 °C 24.4 J (18 FT-LBS) MIN AS
ACCEPTANCE PER ASME B31.3 ON BASE, HAZ, AND WELD
NOTE 2: ALL WPS USED FOR PRODUCTION WELDING
SHALL BE QUALIFIED PER B31.3 TABLE 323.3.1 A-4
CODE OF CONSTRUCTION: ASME B31.11-2002

ALL FLANGES TO BE TWO HOLED
EST WEIGHT 3760kg
RT 5% BW
MT 10% ALL NON BW
HYDROTEST 4892kPag, 30 min
SNOOP-TEST REPAD, 103kPag

REV.	DATE	BY	DESCRIPTION	CHECKED BY	APPROVED BY
A	05/16/2013	JJW	UPDATE NOTE 1, CHANGE 15mm TO 14mm WELDS		
B	11/01/2012	JJW	UPDATE WEIGHT, AROUND WELD, ADD NOTE 1		
C	6/21/2012	JJW	REVISE NOTES		
D	4/12/2011	DHM	NOTES, BOM		
E	4/8/2011	DHM	NOTES, BOM		

ITEM	FUNCTION	QTY	DESCRIPTION
1	FLANGE	3	32 NPS X 30 NPS REDUCING FLG A350-LF2 PER AL32303004ARF375WALL
2	PIPE	1	34" OD ROLLED & WELDED A516-70N 0.625" X 2278mm LG 100%RT
3	PIPE	1	34" OD ROLLED & WELDED A516-70N 0.625" X 1438mm LG 100%RT
4	PIPE	3	32 NPS PIPE API-5LX52 PSL1 0.375" WALL SPIRAL WELD IMPACT TESTED @ -46 °C WITH 24.4 J (18 FT-LBS) MIN AS ACCEPTANCE PER ASME B31.3 ON SPIRAL WELD, HAZ AND PARENT MATERIAL 100% UT & 100 mm RT ON BOTH ENDS X 210mm LG
5	REDUCER	3	32.50" ID X 31.25" ID X 152mm LG CONC RED 0.625" A516-70N 100%RT (SEE NOTE 1)
6	REPAD	1	5/8" WT X 2083 WIDE X 2763 LG ROLLED LONG WAY TO 34" ID REPAD A516-70N
7	REPAD NPT	2	6mm NPT HOLE BOTH SIDES (W/ PLUG A105) - GREASE & PLUG AFTER HYDRO
8	IRACORE LINING		IRACORE LINING 35 (1 3/8") NOM.

SPLIT REPAD WELD DETAIL C

32" X 30" FLANGE AND WELD DETAIL A

REPAD WELD DETAIL B

FOR: SHELL CANADA ENERGY

DRAWING TITLE: 30" LATERAL DETAILS

DRAWING NO. 3-2-0218

Sheet 5 of 7