

BILL OF MATERIAL

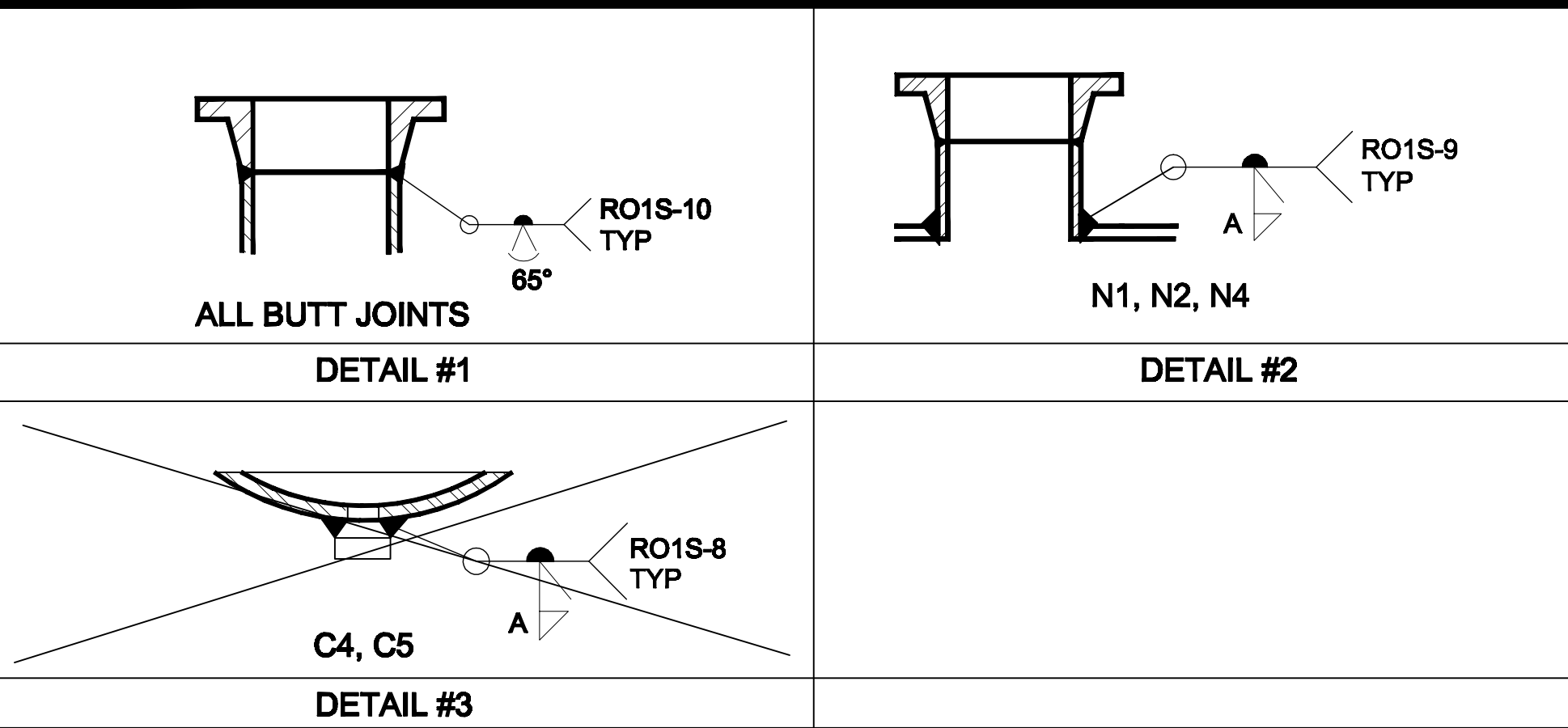
ITEM	QTY	DESCRIPTION	MATERIAL
1	1	6" SCH 80 SEAMLESS PIPE	SA333-6
2	2	3" SCH 160 seamless pipe, one end 3:1 transition to SCH XH	SA333-6
3	1	6" SCH 80 SEAMLESS CAP	SA420 WPL6
4	1	6" CL600 SCH 80 RFWN FLANGE	SA350 LF2CL1
5	1	6" CL600 RF BLIND FLANGE	SA350 LF2CL1
6	2	3" CL600 SCH 80 RFWN FLANGE	SA350 LF2CL1
7	1	1" SCH XXH SEAMLESS PIPE	SA333-6
8	12/24	1" x 6-3/4" LONG STUD c/w 2 NUTS	SA193/194-B7M/2HM
9	1	6" CL600 SP/WD GASKET FLEX	304SS
10	1	3/8" ROUND BAR	316SS
11	1	BASKET RING 3/16" THK	316SS
12	1	BASKET 1/4" HOLES ON 3/8" CENTERS 16GA	316SS
13	1	INTERNAL RING 3/16" THK	44W
14	1	1" CL600 SCH XXH RFWN FLANGE	SA350 LF2CL1
15	1	NAME PLATE BRACKET 1/8" THK	44W
16	1	3/4" NPT	

- NOTES:**
- DO NOT SCALE THIS DRAWING
 - DIMENSIONAL TOLERANCES ± 1/8"
 - SHALL BE MADE BY THE WELDING PROCEDURE SPECIFICATIONS AS INDICATED IN DETAILS #1, #2. ALL TACK WELDS SHALL BE COMPLETELY REMOVED
 - TO BE SENT TO CNRL CONTRACTOR ONCE COMPLETE FOR INTERNAL COATING

NOZZLE SCHEDULE

MARK	SIZE	SERVICE	RATING	FACE	SCH	INT PROJ	ITEM	WELD	WELD SIZE A	B	C
N1	3"	INLET	CL600	RF	80	-	6	#2	3/8"	-	-
N2	3"	OUTLET	CL600	RF	80	-	6	#2	3/8"	-	-
N3	6"	BASKET ACCESS	CL600	RF	80	-	4	#1	-	-	-
N4	1"	DRAIN	CL600	RF	XXH	-	7	#3	3/8"	-	-

REV	DESCRIPTION	DATE	DRAWN BY	CHECKED BY
4	CHANGE AS CUSTOMER'S MARK-UP	2012/06/25	WJ	WJ
3	CHANGE AS CUSTOMER'S MARK-UP	2012/06/04	WJ	WJ
2	CHANGE AS CUSTOMER'S MARK-UP	2012/06/04	WJ	WJ
1	ISSUED FOR APPROVAL	2012/05/28	WJ	WJ



WELD DETAILS

BEVEL TOLERANCE: ±10°
GAP TOLERANCE: 1/8"±1/8"

FILLET WELDS NOT SHOW ON THE DRAWING
USE ROIS-10, WELD LEG IS 1/4"

DESIGN AND NAME PLATE DATA

Designed and fabricated to ASME SEC. 8 DIV. 1 - 2010ED, 2011ADD

Design Pressure:	1480 PSI (10204 KPA)	Design Temperature:	100°F (38°C)
M.A.W.P.:	1480 PSI (10204 KPA)	Limited By:	FLANGE
Hydrotest:	2220 PSI (15306 KPA)	X-Ray:	RT-1
Stress Relieve:	N/A	Corrosion Allowance:	0.0625" (1.6mm)
Shell Thick.	0.432" (11.0mm)	Shell Material:	SA333-6
Head Thick.	0.432" (11.0mm)	Head Material:	SA420-WPL6
Serial #	12-306-1/2- - /60	Year Built:	2012
M.D.M.T.:	-50°F (-45.6°C)	CRN #	TBA
Impact Test:	EXEMPT UNDER PER UCS-67 & UCS-66(g), UG-76(c) NEED SATISFIED		

RADAFAB
OILFIELD & INDUSTRIAL SUPPLY INC.
CALGARY, ALBERTA

TITLE: **3" CL600 INLINE STRAINER**

FOR: **CANADIAN NATURAL RESOURCES LTD.**
PO# FC121214-001

QTY:	SCALE:	JOB No.:	DWG. No.:	REV.:
60	NTS	12-306	R12-306	4