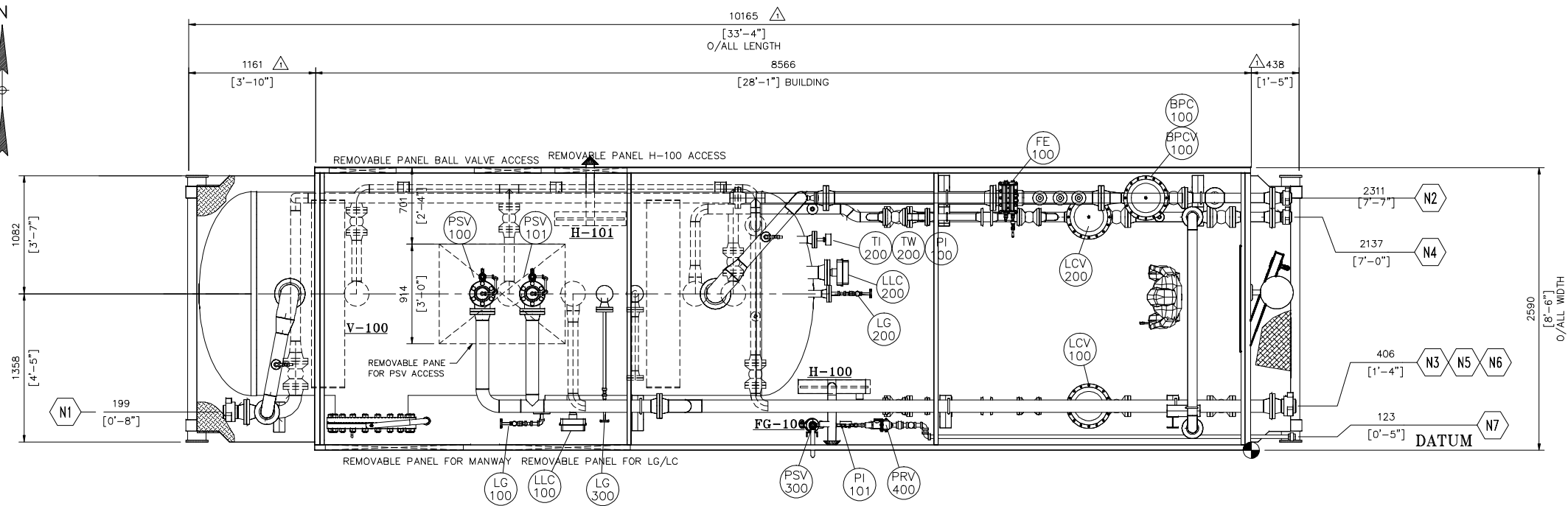
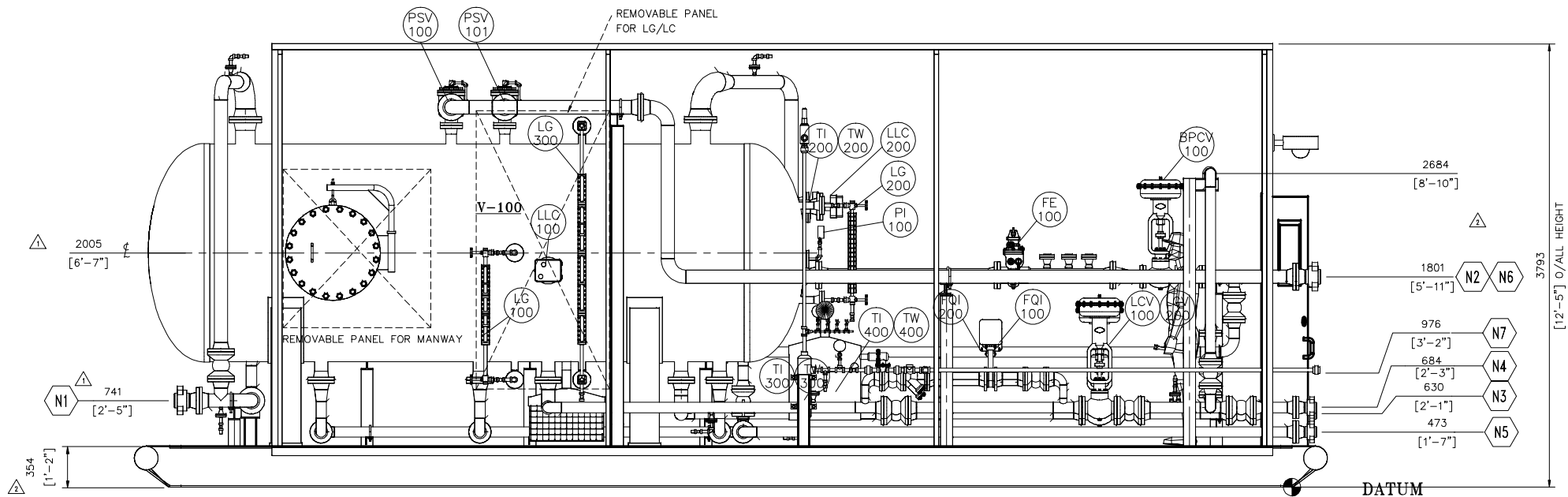




PLAN VIEW



ELEVATION VIEW

TP	SIZE/RATING	SERVICE
N1	4" FIG 206F HU.	GAS INLET
N2	3" FIG 206M HU.	GAS OUTLET
N3	3" FIG 206M HU.	WATER OUT
N4	3" FIG 206M HU.	OIL OUT
N5	3" FIG 206M HU.	DRAIN OUT
N6	4" FIG 206M HU.	PSV OUT
N7	1/2" 3000 NPT	INSTRUMENT AIR INLET

GENERAL NOTES:

- THIS DRAWING TO BE READ IN CONJUNCTION WITH THE MECHANICAL FLOW DIAGRAM.
- ALL PIPING ELEVATIONS ARE REF. FROM TOP OF CHECKER PLATE.
- ALL PIPING TO BE HELD @ DIMENSIONS & ELEVATIONS SHOWN FOR CUSTOMER TIE-INS.
- MAIN PIPING TO BE BUILT IN ACCORDANCE WITH THE LATEST EDITION OF B31.3.
- ALL BUTTWELDED 0.0625" C.A. PIPING TO BE:
150 ANSI: 1 1/2" TO 2" - SCH 80 AND 3" AND OVER - SCH STD.

MATERIALS: PIPING - SA-333-6
FLANGES - SA-350-LF2 cl.1
FITTINGS - SA-420-WPL6
BOLTS - SA-193-L7M
NUTS - SA-194-2HM
GASKETS - FLEX. GRAPHITE 316 SS, CS OUTER RING.

- CLASS 150 ANSI: THREADED PIPING
1/2" - 1" PIPE: SCH.80, SA-333-6
1/2" - 1" NIPPLE: SCH.80, SA-333-6
1/2" - 1" SWAGE: SCH.80, SA-350-LF2 CL.1
1/2" - 1" FITTING: 3000# NPT, SA-350-LF2 CL.1

- BUILDING:
DIM.: 8'-6" W X 28'-1" LG X 11'-4" HIGH FLAT ROOF STYLE FOAM PANEL BUILDING
28 GAUGE ASTM A792 Gr. 37 STEEL 1 1/2" POLYURETHANE FOAM INJECTED PANEL (R12), WHITE EXTERIOR/WHITE INTERIOR.
(1) 3' X 7' FOAM PANEL DOOR C/W PANIC HARDWARE, IWG, CHECKCHAIN AND WEATHERSTRIP
(6) REMOVABLE WALL PANELS C/W ASSOCIATED HARDWARE.
(1) CATADYNE HEATER, W24X24 WX SERIES, 20,000 BTU/HR, NATURAL GAS
(1) CATADYNE HEATER, W12X24 WX SERIES, 10,000 BTU/HR, NATURAL GAS
(2) 12"x12" ADJUSTABLE LOUVERS C/W SCREEN

- UNIT TO BE COMMERCIALY SANDBLASTED TO SSPC-SP6 PRIOR TO:
PRIME COAT: (1) ENDURA CLR 120 EPOXY PRIMER
FINISH COAT: (2) ENDURA CLR24544
CLEAR COAT: (1) URETHANE CLEAR COAT 1-1.5mils
PIPING: WHITE
VESSELS: WHITE
SKID FLOOR: RED
STRUCTURAL SUPPORT: RED

- ALL BUTTWELDED PIPING SHALL BE 100% (SEVERE) RADIOGRAPHICALLY INSPECTED AND PWHT, AS PER WEATHERFORD SPEC'S BASE LINE UT
- ALL PIPING SHALL BE HYDROTESTED TO 1.5 TIMES THE DESIGN PRESSURE.
- SHIPPING DIMENSIONS: 33'-4" L X 8'-6" W X 12'-5" H
- SHIPPING WEIGHT: 38,000 LBS

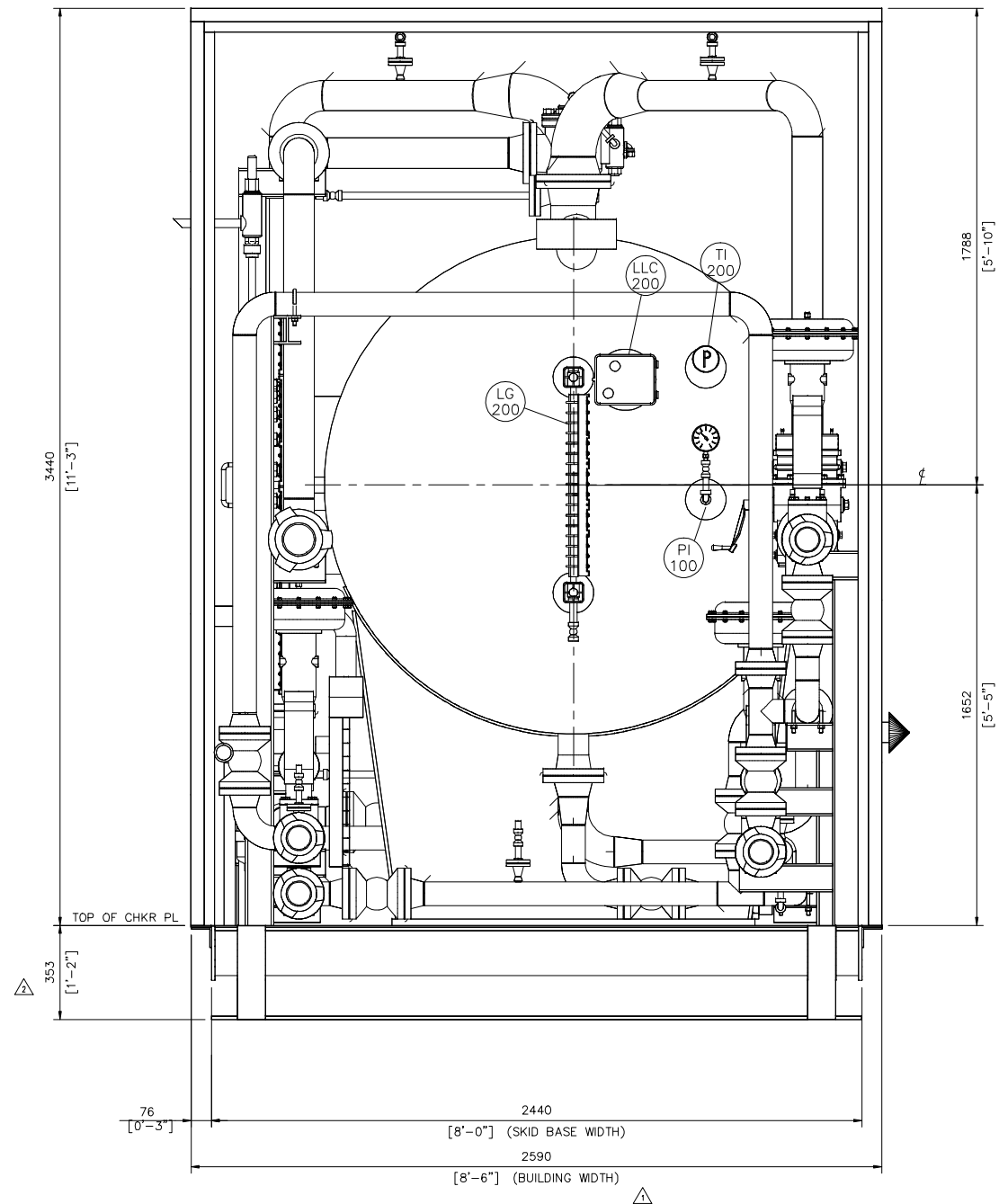
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TIME CARD
13-029-PPW

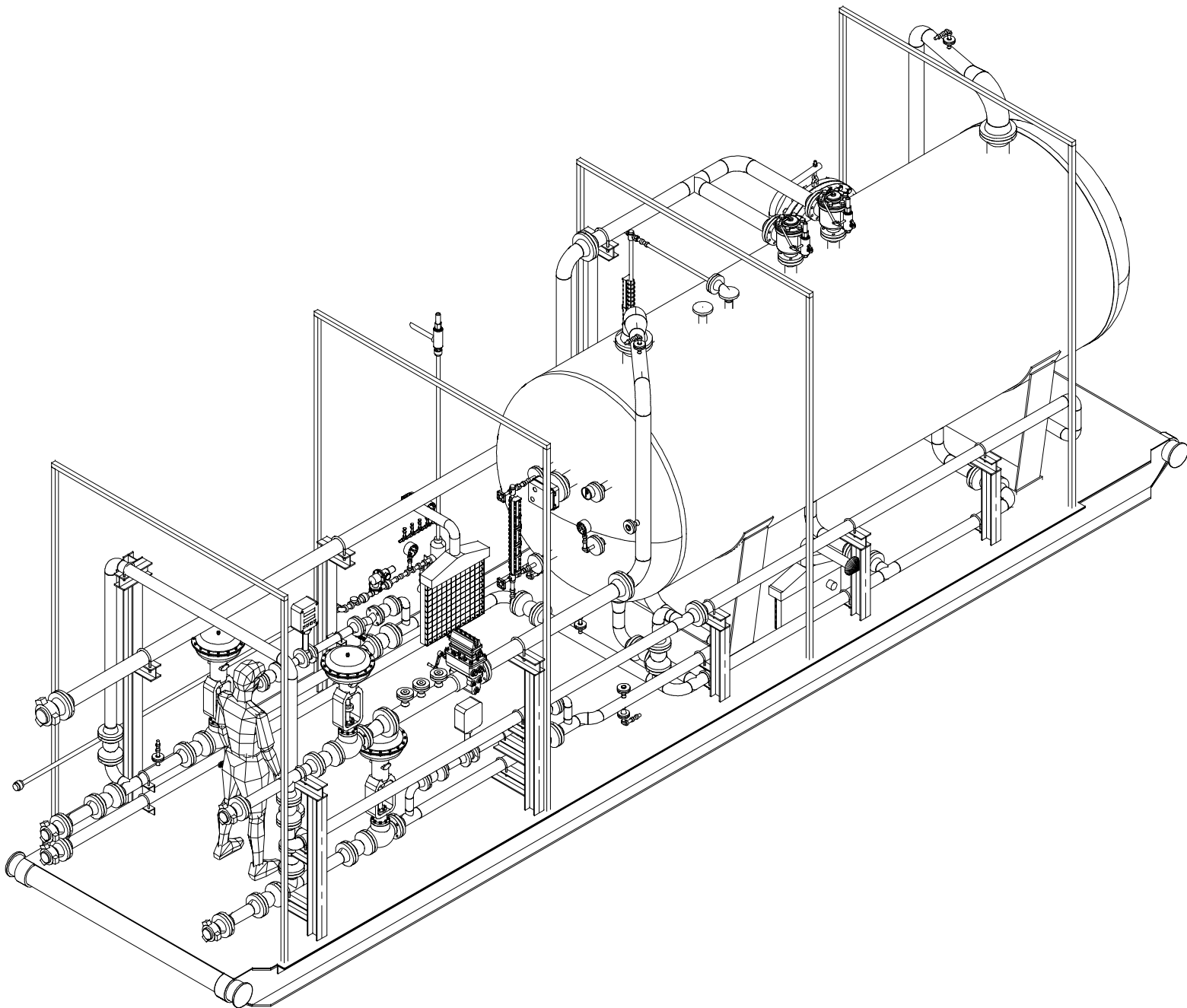
REV.	DESCRIPTION	PM	ENG	DATE	BY	DATE
AS BUILT					HS	13-01-21
REVISED AS PER SKID DEPTH CHANGED		DD	ET	12-09-11	HS	12-09-11
REVISED AS PER CUSTOMER MARK UP		DD	ET	12-07-25	HS	12-07-25
ISSUED FOR APPROVAL		DD	ET	12-06-20	HS	12-06-20
PROJECT CO-ORDINATOR CHECKED:	DATE:	BY:				

PROLINK
FABRICATION LTD.

DRAWN BY: HS	DATE: 12-06-20
CHECKED BY: ET	SCALE: 1:30
GENERAL ARRANGEMENT FOR 72"ID x 15'-0"SS @ 260psi HORIZONTAL SEPARATOR SKID PACKAGE (SOUR SERVICE/LOW TEMP)	
WEATHERFORD US LP	13-029-E REV.



SIDE VIEW



ISO VIEW

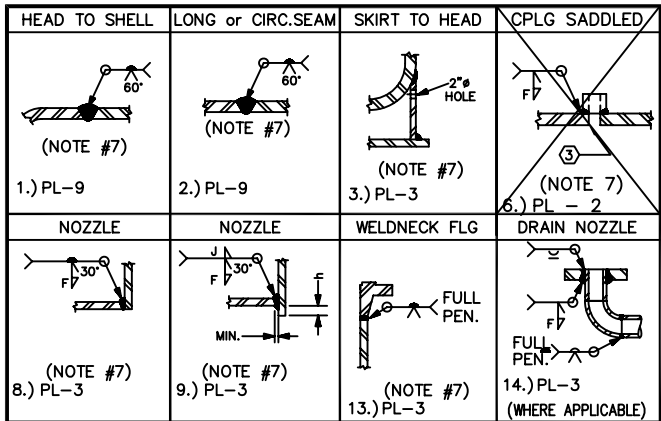
(1) REQ'D

TIME CARD
13-029-PPW

REV.	DESCRIPTION	PM	ENG	DATE	BY	DATE
△	AS BUILT				HS	13-01-21
△	REVISED AS PER SKID DEPTH CHANGED	DD	ET	12-09-11	HS	12-09-11
△	REVISED AS PER CUSTOMER MARK UP	DD	ET	12-07-25	HS	12-07-25
△	ISSUED FOR APPROVAL	DD	ET	12-06-20	HS	12-06-20
PROJECT CO-ORDINATOR CHECKED: DATE:		PM		ENG		DATE
				BY:		DATE

PROLINK
FABRICATION LTD.

DRAWN BY: HS	DATE: 12-06-20
CHECKED BY: ET	SCALE: 1:30
GENERAL ARRANGEMENT FOR 72"ID x 15'-0"S/S @ 260psi HORIZONTAL SEPARATOR SKID PACKAGE (SOUR SERVICE/LOW TEMP)	
WEATHERFORD US LP	13-029-E1
REV. △	



NOTES:

① --

② WEEPHOLES 1/8" NPT UNLESS NOTED ON VESSEL DWG.

③ RADIUS AS PER CODE UG-76(c), R=1/8"

④ --

⑤ WPS PL-3 IS ACCEPTABLE FOR ALL TACK WELDS AND ATTACHMENT TO PRESSURE BOUNDARY

VESSEL DESIGN DATA

20.10 ASME CODE SEC. VIII DIV. 1 ADD. 2011

PARA: UW-11(a)

HEAD MATERIAL: SA-516-70N 0.75" (19.05mm) NOM WALL (0.6875" MIN)

SHELL MATERIAL: SA-516-70N 0.625" (15.88mm) NOM. WALL

MDMT: -50°F (-45.6°C) @ 260 PSIG (1793 KPAG)

NOZZLE: SA-333-6/SA-350-LF2 cl.1 FLANGES: SA-350-LF2 cl.1

M.A.W.P.: 260 PSIG (1793 KPAG) TEMP.: 200°F (93°C)

HYDROTEST: 390 PSIG (2689 KPAG) RADIOGRAPHY: RT-1 (FULL, INCLUDE NOZZLE BW) (NEW & COLD)

STRESS RELIEVE: 60 MIN. @ 1150°F ± 25°F

CORR. ALLOW.: 3.2mm (0.125") JOINT EFF.: 100%

VOLUME: 490.09 CU.FT (13.88 CUM)

EMPTY WT: 12,900 LBS (5805 KG) FULL WT: 43,476 LBS (19,564 KG)

YEAR BUILT: 2012 SERIAL No.: V8872.21

CRN No.: V8872.21

W.P.R. No.: 1752.2

SURFACE PREP.: SSPC-SP6 COMMERCIAL SANDBLAST

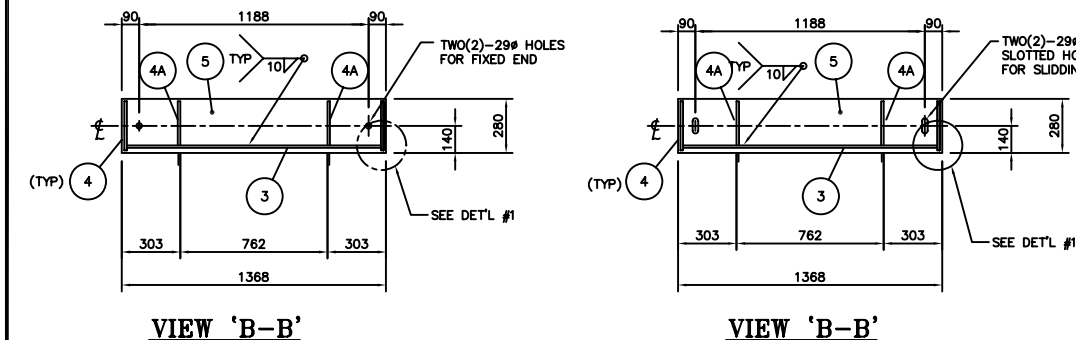
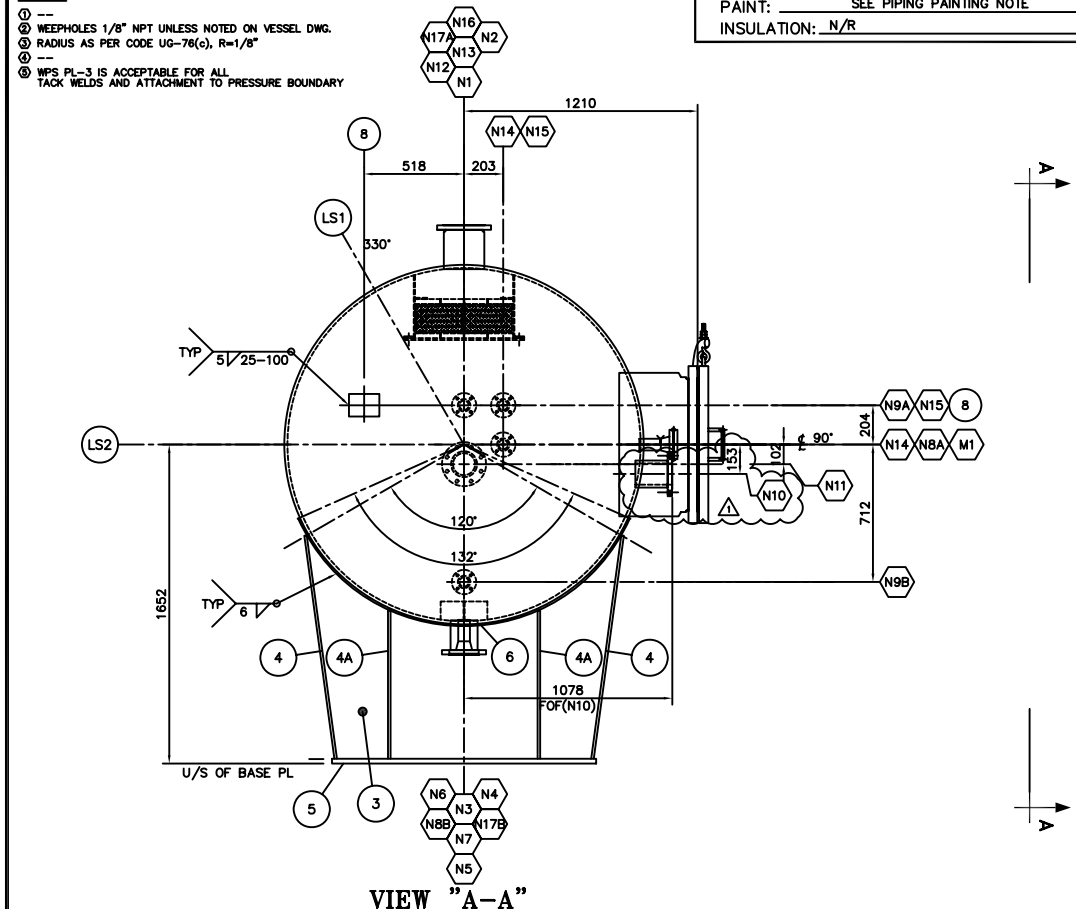
PRIME: SEE PIPING PAINTING NOTE

PAINT: SEE PIPING PAINTING NOTE

INSULATION: N/R

MARK NO.	NO. REQ'D	SIZE	SCH.	RATING AND FACING	SERVICE	PROJECTION		FILLET		REPAD			WELD#
						INSIDE(min)	OUTSIDE	"F"	"J"	"W"	"R"	"S"	
N1	1	6"	---	CL150 RFHB	CRUDE INLET	0	8 1/8"	3/8"	-	-	-	-	8
N2	1	6"	---	CL150 RFHB	CRUDE OUTLET	0	8 1/8"	3/8"	-	-	-	-	8
N3	1	4"	---	CL150 RFHB	DRAIN	0	6 1/4"	3/8"	-	-	-	-	8
N4	1	4"	-	CL150 RFHB	DRAIN	0	6 1/4"	3/8"	-	-	-	-	8
N5	1	4"	-	CL150 RFHB	DRAIN	0	6 1/4"	3/8"	-	-	-	-	8
N6	1	4"	-	CL150 RFHB	WATER OUT	FLUSH	6 1/4"	3/8"	-	-	-	-	8
N7	1	4"	-	CL150 RFHB	OIL OUTLET	FLUSH	6 1/4"	3/8"	-	-	-	-	8
N8A	1	2"	160	CL150 RFWN	LG-100 WATER	0	6"	3/8"	-	-	-	-	8,13
N8B	1	2"	160	CL150 RFWN	LG-100 WATER	0	6"	3/8"	-	-	-	-	8,13
N9A	1	2"	160	CL150 RFWN	LG-200 OIL	0	AS SHOWN	3/8"	-	-	-	-	8,13
N9B	1	2"	XXH	CL150 RFWN	LG-200 OIL	-	AS SHOWN	3/8"	-	-	-	-	8,13
N10	1	4"	-	CL150 RFHB	LLC-100 WATER	0	AS SHOWN	3/8"	-	-	-	-	8
N11	1	4"	-	CL150 RFHB	LLC-200 OIL	-	AS SHOWN	3/8"	-	-	-	-	8
N12	1	3"	-	CL150 RFHB	PSV	0	6 1/4"	3/8"	-	-	-	-	8
N13	1	3"	-	CL150 RFHB	PSV	0	6 1/4"	3/8"	-	-	-	-	8
N14	1	2"	160	CL150 RFWN	PI	0	AS SHOWN	3/8"	-	-	-	-	8,13
N15	1	2"	160	CL150 RFWN	TI	0	AS SHOWN	3/8"	-	-	-	-	8,13
N16	1	2"	160	CL150 RFWN	SPARE	0	6"	3/8"	-	-	-	-	8,13
N17A/B	2	2"	160	CL150 RFWN	LG-300	0	6"	3/8"	-	-	-	-	8,13
M1	1	24"	-	CL150 RFV2'	MANWAY	1 1/4"	AS SHOWN	3/8"	3/8"	-	-	-	9

BILL OF MATERIAL				ITEM	QTY	DESCRIPTION	MAT'L
	1	1	SHELL - 72" ID X 10'-0" S/S X 0.625" THK.	1	1	SA-516-70N	
	1A	1	SHELL - 72" ID X 5'-0" S/S X 0.625" THK.	1	1	SA-516-70N	
	2	2	HEADS - 72" ID 2:1 S.E. X 0.75" NOM. (0.6875" MIN) WITH 2" S.F.	2	2	SA-516-70N	
	3	2 PCS	WEB PLATE - 1/2" THK (CUT PER DWG DET'L)	3	2	44W	
	4	4 PCS	SIDE PLATE - 1/2" THK X 10" WD X 45 7/8" LG	4	4	44W	
	4A	4 PCS	RIB PLATE - 1/2" THK X 9" WD X 30 1/8" LG	4A	4	44W	
	5	2 PCS	BASE PLATE - 1" THK X 11" WD X 53 7/8" LG	5	2	44W	
	6	2 PCS	WEAR PLATE - 3/8" THK X 12" WD X 84 5/8" LG (R.T. 73 1/4" ID)	6	2	SA-516-70N	
	7	2	LIFT LUG - 1" THK X 15" LG X 7" H (CUT PER DWG DET'L)	7	2	SA-516-70N	
	8	1	NAME PLATE C/W MOUNTING BRACKET	8	1	SS/SA-516-70N	
	11	1	DAVT SLEEVE - 2 1/2" SCH. STD. SMLS PIPE X CTS	11	1	SA-106-B	
	12	1	RING - 2 1/2" SCH. STD. SMLS PIPE X 1" LG	12	1	SA-106-B	
	13A	1	DAVT ARM - 2" SCH. XXH SMLS PIPE X CTS	13A	1	SA-106-B	
	13B	1	ELBOW - 2" SCH. XXH X 90° LR	13B	1	SA-234-WPB	
	13	1	DAVT ARM - 2" SCH. XXH SMLS PIPE X CTS	13	1	SA-106-B	
	14	1	PLATE - 3/4" THK. X 2" WD X 8" LG	14	1	SA-516-70N	
	15	1	U BAR - 3/4" ROUND BAR (BEND AS SHOWN)	15	1	SA-36	
	16	1	EYE BOLT - 3/4" ROUND BAR (BEND AS SHOWN)	16	1	SA-36	
	17	1	WASHER - 3/4"	17	1	S.S.	
	18	2	NUTS - 3/4"	18	2	2H	
	19	1	HANDLE - 3/4" ROUND BAR (BEND AS SHOWN)	19	1	SA-36	
	20	1	BLIND END - 1/4" PL X 2 7/8" OD	20	1	SA-36	
	N1/N2	2	FLANGE - 6" CL150 RFHB X 9" LG (1.25" WT)	N1/N2	2	SA-350-LF2 cl.1	
	N1	1	6" SCH 80 SMLS PIPE X 4" LG	N1	1	SA-106B	
		2	FLANGE - 6" CL150 RFSD		2	SA-350-LF2 cl.1	
		1	6" ELBOW, 45° LR SCH 80		1	SA-420-WPL6	
		1	GASKET-6" CL 150 RF 1/8" THK, 316L SS INNER, 316 WINDING WIRE, FLEXACARB FILLER, CARBON STEEL OUTER RING, FLEXITALLIC		1	SA-320-L/W	
		8	STUD - 3/4" X 4" LG C/W 2 HEX NUTS EA.		8	SA-194-L/W	
	N3-N7	5	FLANGE - 4" CL150 RFHB X 7" LG (1.31" WT)	N3-N7	5	SA-350-LF2 cl.1	
	N8A/B	2	FLANGE - 2" CL150 RFWN SCH. 160 BORE	N8A/B	2	SA-350-LF2 cl.1	
		2	NECK - 2" SCH. 160 SMLS X 4 1/4" LG		2	SA-333-6	
		2	GASKET-2" CL 150 RF 1/8" THK, 316L SS INNER, 316 WINDING WIRE, FLEXACARB FILLER, CARBON STEEL OUTER RING, FLEXITALLIC		2	SA-320-L/W	
		8	STUD - 5/8" X 3 1/4" LG C/W 2 HEX NUTS EA.		8	SA-194-L/W	
		2	BLIND FLANGE - 2" CL150 RF C/W 3/4" NPT D/T		2	SA-350-LF2 cl.1	
	N9A	1	FLANGE - 2" CL150 RFWN SCH. 160 BORE	N9A	1	SA-350-LF2 cl.1	
	N9B	1	FLANGE - 2" CL150 RFWN SCH. XXH BORE	N9B	1	SA-350-LF2 cl.1	
	N9A	1	NECK - 2" SCH. 160 SMLS X 5" LG	N9A	1	SA-333-6	
	N9B	1	NECK - 2" SCH. XXH SMLS X 6" LG	N9B	1	SA-333-6	
		2	GASKET-2" CL 150 RF 1/8" THK, 316L SS INNER, 316 WINDING WIRE, FLEXACARB FILLER, CARBON STEEL OUTER RING, FLEXITALLIC		2	SA-320-L/W	
		8	STUD - 5/8" X 3 1/4" LG C/W 2 HEX NUTS EA.		8	SA-194-L/W	
		2	BLIND FLANGE - 2" CL150 RF C/W 3/4" NPT D/T		2	SA-350-LF2 cl.1	
	N10	1	FLANGE - 4" CL150 RFHB X 10" LG (1.31" WT) (SHOP CUT TO 7 1/2" LG)	N10	1	SA-350-LF2 cl.1	
		1	FLANGE - 4" CL150 RFHB X 8" LG (1.31" WT) (CTS)		1	SA-350-LF2 cl.1	
		2	GASKET-4" CL 150 RF 1/8" THK, 316L SS INNER, 316 WINDING WIRE, FLEXACARB FILLER, CARBON STEEL OUTER RING, FLEXITALLIC		2	SA-320-L/W	
		16	STUD - 5/8" X 3 1/4" LG C/W 2 HEX NUTS EA.		16	SA-194-L/W	
	N12/13	2	FLANGE - 3" CL150 RFHB X 7" LG (1.02" WT)	N12/13	2	SA-350-LF2 cl.1	
	N14	1	FLANGE - 2" CL150 RFWN SCH. 160 BORE	N14	1	SA-350-LF2 cl.1	
		1	NECK - 2" SCH. 160 SMLS X 5" LG		1	SA-333-6	
		1	GASKET-2" CL 150 RF 1/8" THK, 316L SS INNER, 316 WINDING WIRE, FLEXACARB FILLER, CARBON STEEL OUTER RING, FLEXITALLIC		1	316 SS	
		4	STUD - 5/8" X 3 1/4" LG C/W 2 HEX NUTS EA.		4	SA-194-L/W	
		1	BLIND FLANGE - 2" CL150 RF C/W 1/2" NPT D/T		1	SA-350-LF2 cl.1	
	N15	1	FLANGE - 2" CL150 RFWN SCH. 160 BORE	N15	1	SA-350-LF2 cl.1	
		1	NECK - 2" SCH. 160 SMLS X 5" LG		1	SA-333-6	
		1	GASKET-2" CL 150 RF 1/8" THK, 316L SS INNER, 316 WINDING WIRE, FLEXACARB FILLER, CARBON STEEL OUTER RING, FLEXITALLIC		1	316 SS	
		4	STUD - 5/8" X 3 1/4" LG C/W 2 HEX NUTS EA.		4	SA-194-L/W	
		1	BLIND FLANGE - 2" CL150 RF C/W 3/4" NPT D/T		1	SA-350-LF2 cl.1	
	N16	3	FLANGE - 2" CL150 RFWN SCH. 160 BORE	N16	3	SA-350-LF2 cl.1	
	N17A/B	3	NECK - 2" SCH. 160 SMLS X 4 1/4" LG	N17A/B	3	SA-333-6	
		3	GASKET-2" CL 150 RF 1/8" THK, 316L SS INNER, 316 WINDING WIRE, FLEXACARB FILLER, CARBON STEEL OUTER RING, FLEXITALLIC		3	316 SS	
		12	STUD - 5/8" X 3 1/4" LG C/W 2 HEX NUTS EA.		12	SA-194-L/W	
	N16	1	BLIND FLANGE - 2" CL150 RF	N16	1	SA-350-LF2 cl.1	
	N17A/B	2	BLIND FLANGE - 2" CL150 RF C/W 3/4" NPT D/T	N17A/B	2	SA-350-LF2 cl.1	
	M1	1	FLANGE - 24" CL150 RFV2' X 16" LG (2.63" WT)	M1	1	SA-350-LF2 cl.1	
		1	BLIND FLANGE - 24" CL150 RF		1	SA-350-LF2 cl.1	
		2	GASKET-24" CL 150 RF 1/8" THK, 316L SS INNER, 316 WINDING WIRE, FLEXACARB FILLER, CARBON STEEL OUTER RING, FLEXITALLIC		2	316 SS	
		20	STUD - 1 1/4" X 7" LG C/W 2 HEX NUTS EA.		20	SA-194-L/W	

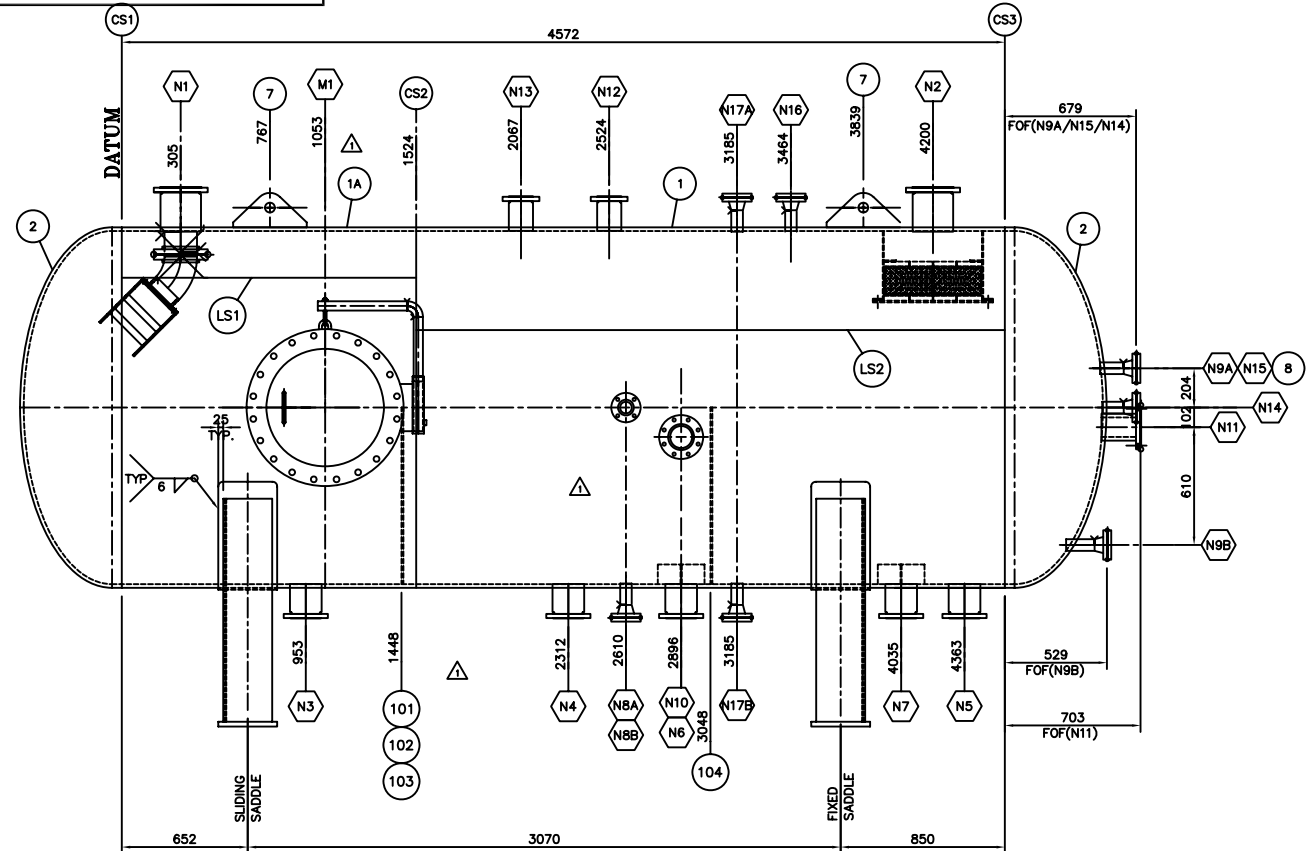


FABRICATION NOTES:

- VESSEL IS TO HAVE HARDNESS TEST PERFORMED ON EACH WELD PROCEDURE USED. HARDNESS TEST IS TO CHECK WELD METAL, PARENT METAL, AND H.A.Z. (OUTSIDE SURFACE) HARDNESS IS TO BE: BHNS 200
- COMPLETED VESSEL IS TO HAVE A BASE LINE ULTRASONIC SURVEY THIS SURVEY IS TO BE COMPLETED PRIOR TO APPLICATION OF PRIME/PAINT.
- ALL SPLIT REPADS AND/EXTERNAL PADS ATTACHED TO THE PRESSURE BOUNDARY SHALL BE PNEUMATIC (AIR/SOAP) TESTED AT 140 KPA (20 PSI)
- 1/8" NPT WEEPHOLES ARE REQUIRED ON ALL SADDLE WEAR PLACE & POISON PAD, ALL WEEPHOLES SHALL BE PLUGGED WITH GREASE AFTER TESTING.

GENERAL NOTES:

- SHELL, HEADS AND PRODUCTION WELDS ARE EXEMPT FROM IMPACT TESTING PER UCS-66(a),(g), UCS-67(a)(2) & UCS-67(d)(2). ALL OTHER COMPONENTS ARE EXEMPT FROM IMPACT TESTING PER UG-84. MDMT IS -50°F @ 260 PSIG.
- MTR'S ARE REQUIRED FOR ALL PRESSURE RETAINING MATERIALS & PUT INTO Q.C. FILE.
- EXTERNAL LOADINGS ARE NOT APPLICABLE (REF. UG-22).
- DIMENSIONAL TOLERANCES AS PER PROLINK ENGR. SPEC. PL-003 REV.2.
- ALL BOLT HOLES TO STRADDLE CENTERLINES.
- SUBSTITUTION OF MATERIAL OTHER THAN LISTED BELOW IS NOT ACCEPTABLE UNLESS ENGINEERING DEPARTMENT APPROVAL OBTAINED.
- WELDING JOINT PREPARATION AND FIT-UP PER PROLINK ENGR. SPEC. PL-002 REV.2.
- VESSEL TO BE REGISTERED IN ALBERTA & NATIONAL BOARD.



INTERNAL COATING:

- VESSEL TO BE COATED WITH DEVOCHEM 253 SSPC-SP5 WHITE METAL SANDBLAST PRIOR TO INTERNAL COATING
- ALL CORNERS TO BE GROUNDED SMOOTH FOR INTERNAL COATING.

MATERIAL NOTES:

- SHELL & HEAD MATERIAL TO BE VACUUM DEGAZED C/W SULPHIDE SHAPE CONTROL
- ALL FORGED FLANGES (RFLWN AND RFHB) HAVE FULL NECK THICKNESS FOR ENTIRE LENGTH (EXCLUDING STRESS CONCENTRATION NOTCH). NOZZLES 'HB' USING NOT STOP NECK ONLY.
- SHELL & HEAD MATERIAL IS TO BE TO THE FOLLOWING SELECT CHEMISTRY: CE < 0.45 WHERE CE = C + Mn/6 + (Cr + Mo + V)/5 + (Ni + Cu)/15

THIS DWG. TO BE READ IN CONJUNCTION WITH DWG. 13-029-A1.

REV.	DESCRIPTION	PM	ENG	DATE	BY	DATE
1	REVISED INTERNAL COATING				HS	12-09-18
2	COMPLETED N1 MATERIALS	DD	ET	12-08-21	HS	12-08-21
3	REVISED SADDLE DIM AND IFC.	DD	ET	12-07-25	LL	12-07-25
4	REVISED AS PER CUSTOMER REQUIRED	DD	ET	12-07-18	HS	12-07-18
5	ISSUED FOR APPROVAL	DD	ET	12-07-12	LL	12-07-12
6	PROJECT CO-ORDINATOR CHECKED:			DATE:		

PROLINK
FABRICATION LTD.

DRAWN BY: JC	CHECKED BY: DD	DATE: 10-12-03	SCALE: 1:20
72" ID X 15'-0" S/S X 260 PSIG X -50/200°F X 1/8" C.A. HORIZONTAL INLET SEPARATOR V-100 (SOUR SERVICE)			
WEATHERFORD US LP		13-029-A	REV. 4

(1) REQ'D

TIME CARD
13-029-HS

