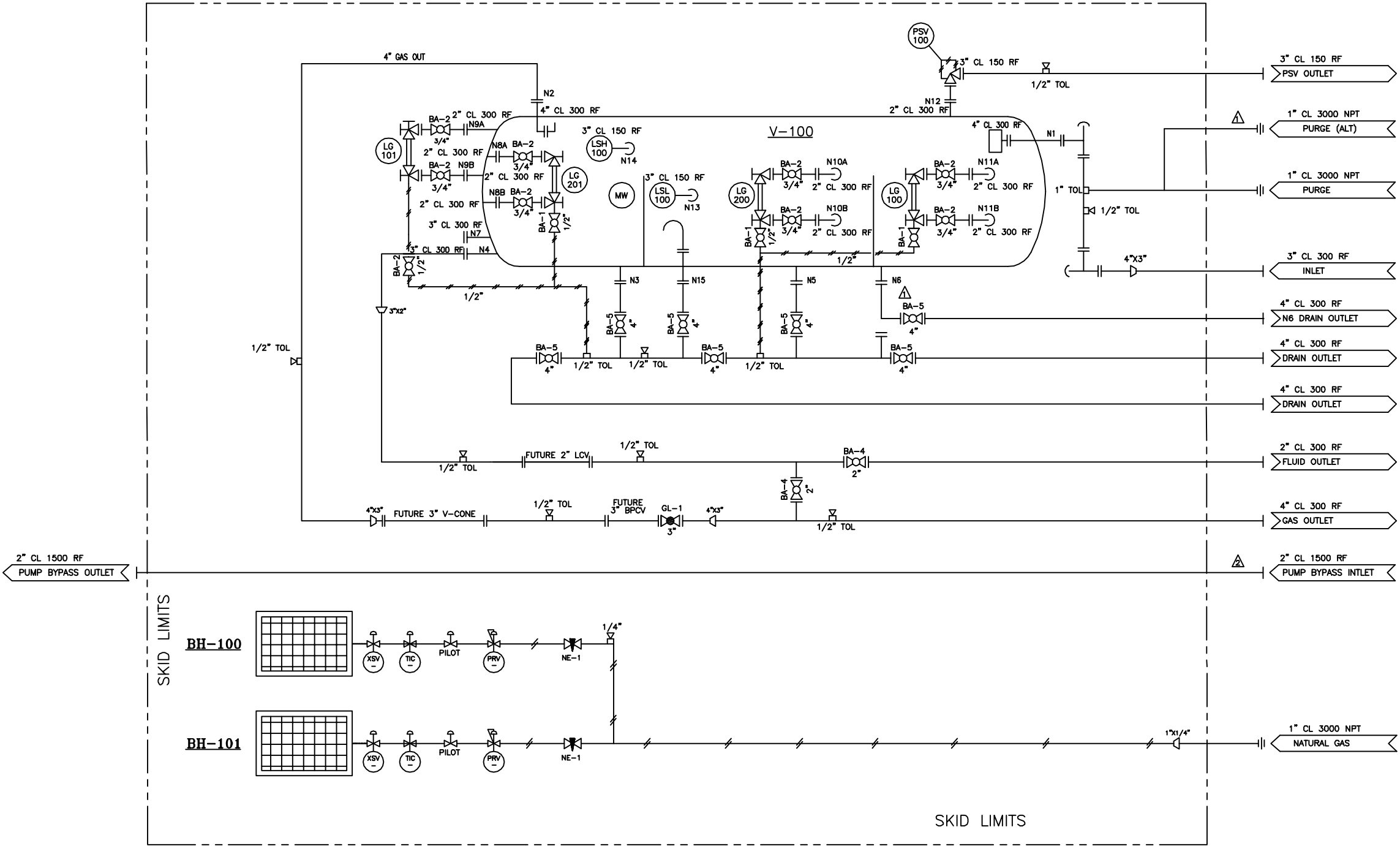


V-100
60"OD x 10'-0" S/S x 675 PSIG DESIGN PRESSURE
TEST SEPARATOR
675 PSIG MAWP @ 200°F
1/8" CORROSION ALLOWANCE
PWHT, 100% RT

BH-100/101
(2) 20,000 BTW/HR CATADYNE HEATER
NATURAL GAS, 24"X24"
THERMOSTAT, 550V PROTECTION GRILL, VENTHOUD

TAG	QTY	DESCRIPTION
LSL-100	1	SOR SERIES 1540 SIDE MOUNT ELECTRIC LEVEL SWITCH, 2" NPT, MAWP 1500 PSIG, MODEL
LSH-100	1	SOR SERIES 1540 SIDE MOUNT ELECTRIC LEVEL SWITCH, 2" NPT, MAWP 1500 PSIG, MODEL
LG-100/101	2	PENBERTHY 2RM7 REFLEX LEVEL GAUGE, NACE, LOW TEMP. 22" VISIBLE LENGTH C/W 330J-NQ 3/4"NPT NACE, LOW TEMP GAUGE VALVES MAWP=1745 PSIG
LG-200/201	2	PENBERTHY 2TM7 TRANSPARENT LEVEL GAUGE, NACE, LOW TEMP. 17 1/4" VISIBLE LENGTH C/W 330J-NQ 3/4"NPT NACE, LOW TEMP GAUGE VALVES MAWP=1745 PSIG
PSV-100	1	MERCER SERIES MODEL 95-521307NS PRESSURE RELIEF VALVE, 2"-CLASS 300 RF x 3"-CLASS 150 RF, 1/2" ORIFICE, SET AT 675 PSIG, SOUR TRIM, POUT OPERATED
BA-1	4	1/2" 3000#, FP BALL VALVE, SOUR SERVICE, NACE
BA-2	8	3/4" 3000#, FP BALL VALVE, SOUR SERVICE, NACE
BA-4	2	2" CL300 RF, FP BALL VALVE, NACE, BAYLON MODEL 2F-F33N-RF
BA-5	7	4" CL300 RF, FP BALL VALVE, NACE, BAYLON MODEL 4F-F33N-RF
GL-1	1	3" CL300, RF GLOBE VALVE, NACE
NE-1	2	1/4" ANDERSON GREENWOOD MNPT MODEL HIRDS-22 X FNPT, VITON PACKING, 316SS BODY, DELRIN SEAT

NOTES:
1. FOR DESIGN NOTES SEE PIPING LAYOUT.
2. SOME ITEMS MAY BE SUBSTITUTED FOR OTHERS OF EQUAL OR GREATER QUALITY.
W/ CUSTOMER APPROVAL ONLY.

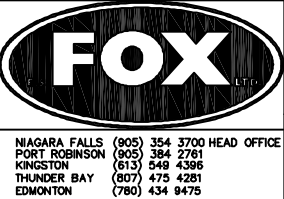


(6) REQ'D

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11-1804-15-6S-6612 11-1804-15-6S-6615
11-1804-15-6S-6613 11-1804-15-6S-6616

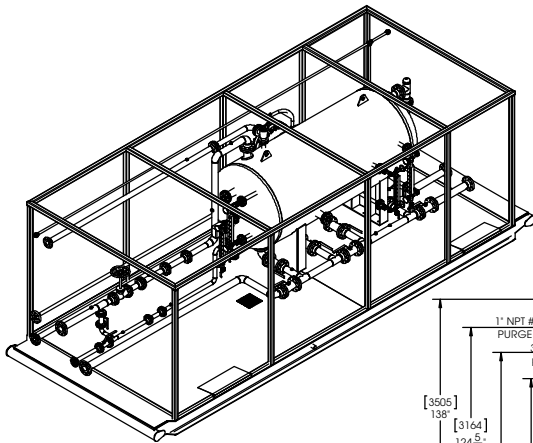
△				
△				
△	ADDED PUMP BYPASS LINE	JM		12/03/08
△	REVISED DRAIN (N6)	JM		12/03/07
△	ISSUED FOR CONSTRUCTION	JM		12/01/13
△	ISSUED FOR APPROVAL	JM		12/01/05
	REVISION	PREPARED BY	REVIEWED BY	APPROVED BY
				DATE

THIRD ANGLE PROJECTION

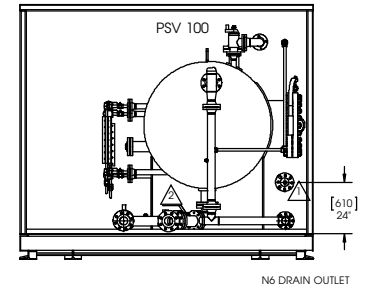
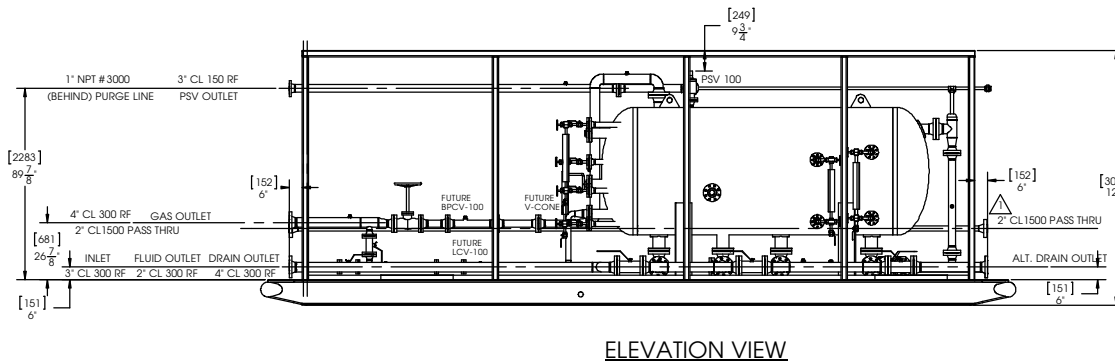
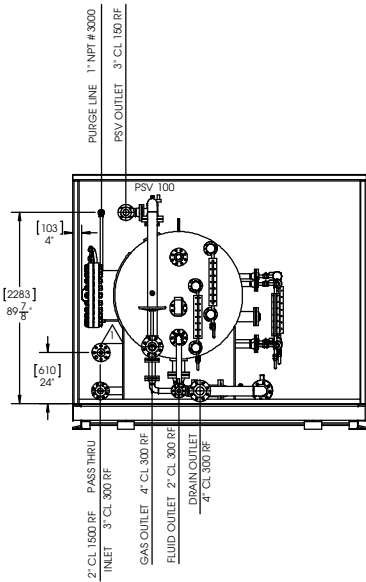
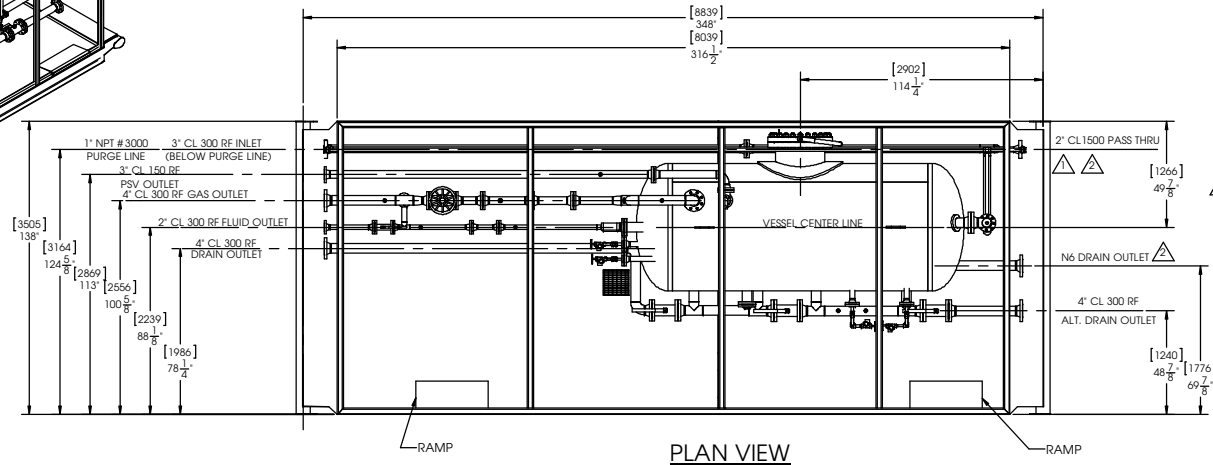


JOB
WEATHERFORD CANADA PARTNERSHIP
P&ID OF HORIZONTAL SEPARATOR
PACKAGE (SOUR, LOW TEMP)
TITLE
60"OD x 10'-0" S/S x 675 PSIG x
-50/200°F x 1/8"CA

SERIAL NO. 11-1804-6603	
DESIGN APPROVAL	DATE
APPROVED BY	DATE
REVIEWED BY L. MUDRYK	DATE 03/08/12
PREPARED BY J. MITCHELMORE	DATE 11/11/17
CAD FILE 11-1804-6603-PID	DRWG NO 11-1804-6603
SCALE NTS	JOB NO 11-1804-15-6S



ISOMETRIC VIEW



- DESIGN NOTES:**
1. MAIN PIPING TO BE BUILT IN ACCORDANCE WITH THE LATEST EDITION OF ASME B31.3.
 2. THIS DRAWING TO BE READ IN CONJUNCTION WITH THE MECHANICAL FLOW DIAGRAM.
 3. BUTT WELDED PIPING TO BE SA-333-6 SMLS PIPE w/ SA-350-LF2 CL1 FLANGES AND SA-420-WPB-6 FITTINGS. SEE FLOW DIAGRAM FOR SCHEDULES AND RATINGS.
 4. ALL THREADED PIPING TO BE:
SCH 160 SA-333-6 SMLS PIPE w/ SA-350-LF2 CL3000# FITTINGS.
TUBING TO BE 3/8" 316SS w/ 316SS FITTINGS AND FERRULES EXCEPT HP SENSING LINES TO BE 1/2" 316SS w 316SS FITTINGS AND FERRULES.
 5. BOLTING TO BE SA-193-B7M STUDS c/w SA-194-2HM NUTS AND 316SS FLEXITALLIC GASKETS.
 6. HYDROTESTING FOR BUTT WELD PIPING:
- 150# PIPING (280 PSIG DP) @ 420 PSIG (1.5 X D.P.)
- 300 # PIPING (740 PSIG DP) @ 1110 PSIG (1.5 X D.P.)
 7. HYDROTESTING FOR THREADED PIPING:
AIR TESTED @ 100 PSIG WITH JOINTS SOAPED
 8. ALL BUTT WELDS TO BE 100% RADIOGRAPHS PER ASME B31.3.
 9. ALL PROCESS PIPING IS CONSIDERED SOUR SERVICE.
 10. INSTRUMENT/ FUEL GAS IS CONSIDERED SOUR SERVICE.
 11. ALL PIPING TO BE ADEQUATELY SUPPORTED.
 12. PAINTING AND SANDBLASTING TO BE AS FOLLOWS:
EXTERNAL SURFACE PREPARATION:
EXTERNAL SANDBLAST: SSPC-SP6(COMMERCIAL)
EXTERNAL PAINT:
-ONE COAT OF EPOXY PRIMER, 4 MILS DRY THICKNESS
-TWO COATS URETHANE TOPCOAT, 3 MILS DRY THICKNESS
 13. **WARM GREY - VESSEL, PIPING, SKID AND STRUCTURAL MEMBERS**
INTERNAL SURFACE PREPARATION (VESSEL ONLY):
EXTERNAL SANDBLAST: SSPC-SP5 (WHITE METAL BLAST)
INTERNAL COATING (VESSEL ONLY):
-APPLICATION OF DEVOE 253 AS PER MANUFACTURERS SPECIFICATIONS
 14. ESTIMATED SHIPPING WEIGHT: 31 700 LBS
 15. OVERALL DIMENSIONS:
HEIGHT 10'-0"
LENGTH 29'-5"
WIDTH 11'-6"

SERIAL NO. 11-1804-6605-01 TO 11-1804-6605-06

REQ'D: (6)

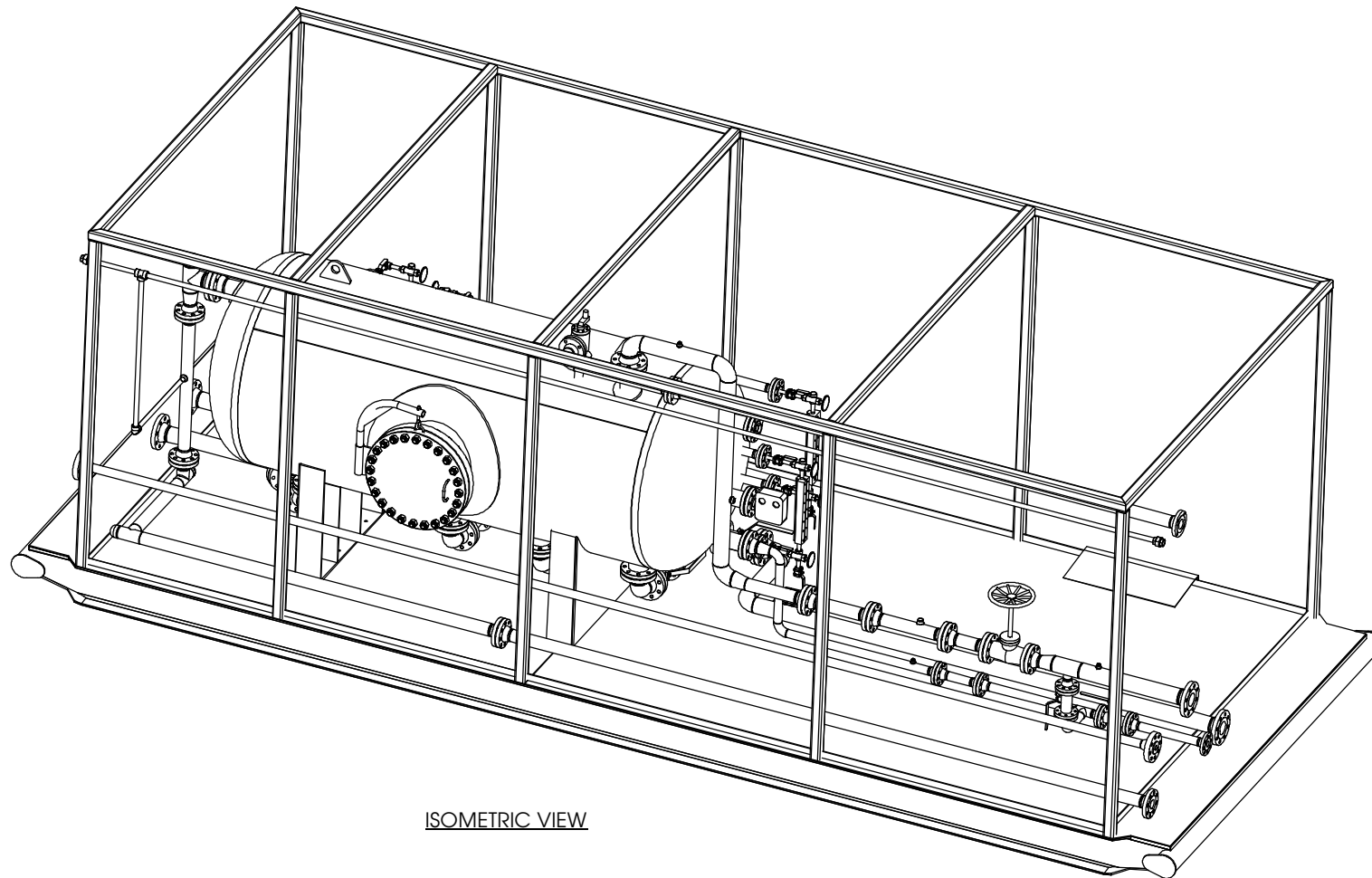
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11-1804-15-6S-6612	11-1804-15-6S-6615	
11-1804-15-6S-6613	11-1804-15-6S-6616	

CHK'D:	DATE:	BY:
PROJECT CO-ORDINATOR CHK'D:	DATE:	BY:
DO NOT SCALE FROM THIS DRAWING		

3	REVISED BUILDING HEIGHT AND WEIGHT	12/03/15	JM
2	REVISED N6 AND PURGE LINE	12/03/07	JM
1	ADDED PUMP PASS THRU SPOOL ASSEMBLY	12/01/27	JS
00	ISSUED FOR CONSTRUCTION	12/01/03	JM
00	ISSUED FOR APPROVAL	11/12/19	JM
REV.	DESCRIPTION	DATE	BY

THIS DRAWING IS THE PROPERTY OF ES FOX LTD. AND IS LOANED TO THE RECIPIENT FOR CONFIDENTIAL USE ONLY. IN CONSIDERATION OF THE LOAN OF THE DRAWING, THE RECIPIENT PROMISES AND AGREES THAT IT SHALL NOT BE USED IN ANY WAY DETRIMENTAL TO THE INTERESTS OF ES FOX LTD. THAT IT SHALL BE RETURNED UPON REQUEST AND THAT IT SHALL NOT BE REPRODUCED, COPIED, LENT OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY WITHOUT THE WRITTEN PERMISSION OF ES FOX LTD.

ES FOX LTD.		EDMONTON, ALBERTA CANADA	
CUSTOMER: WEATHERFORD INTERNATIONAL		LOCATION: PORTABLE, VARIOUS LOCATIONS	
DESCRIPTION: GENERAL ARRANGEMENT FOR 60" OD X 10'-0" S/S X 675 PSIG X -50/200 °F X 1/8" CA 3 PHASE HORIZONTAL SEPARATOR PACKAGE (SOUR)			
DRAWN: J. MITCHELMORE	CUSTOMER REVISION 'D'	DRAWING NO.	
DATE: 11/12/19		11-1804-6605	
SCALE: NTS			
SHOP ORDER No.: 11-1804-15-6S			
CN:		REV. 	



ISOMETRIC VIEW

DESIGN NOTES:

1. MAIN PIPING TO BE BUILT IN ACCORDANCE WITH THE LATEST EDITION OF ASME B31.3.
2. THIS DRAWING TO BE READ IN CONJUNCTION WITH THE MECHANICAL FLOW DIAGRAM.
3. BUTT WELDED PIPING TO BE SA-333-6 SMLS PIPE w/ SA-350-LF2 CL1 FLANGES AND SA-422-WPB-6 FITTINGS. SEE FLOW DIAGRAM FOR SCHEDULES AND RATINGS.
4. ALL THREADED PIPING TO BE:
SCH 160 SA-333-6 SMLS PIPE w/ SA-350-LF2 CL3000# FITTINGS.
5. TUBING TO BE 3/8" 316SS w/ 316SS FITTINGS AND FERRULES EXCEPT HP SENSING LINES TO BE 1/2" 316SS w 316SS FITTINGS AND FERRULES.
6. BOLTING TO BE SA-193-B7M STUDS c/w SA-194-2HM NUTS AND 316SS FLEXITALLIC GASKETS.
7. HYDROTESTING FOR BUTT WELD PIPING:
- 150# PIPING (280 PSIG DP) @ 420 PSIG (1.5 XD P)
- 300 # PIPING (740 PSIG DP) @ 1110 PSIG (1.5 X D.P.)
8. HYDROTESTING FOR THREADED PIPING:
AIR TESTED @ 100 PSIG WITH JOINTS SOAPED
9. ALL BUTT WELDS TO BE 100% RADIOGRAPHS PER ASME B31.3.
10. ALL PROCESS PIPING IS CONSIDERED SOUR SERVICE.
11. INSTRUMENT/ FUEL GAS IS CONSIDERED SOUR SERVICE.
12. ALL PIPING TO BE ADEQUATELY SUPPORTED.
13. PAINTING AND SANDBLASTING TO BE AS FOLLOWS:
EXTERNAL SURFACE PREPARATION:
EXTERNAL SANDBLAST: SSPC-SP6(COMMERCIAL)
EXTERNAL PAINT:
ONE COAT OF EPOXY PRIMER, 4 MILS DRY THICKNESS
TWO COATS URETHANE TOPCOAT, 3 MILS DRY THICKNESS
WARM GREY - VESSEL, PIPING, SKID AND STRUCTURAL MEMBERS
INTERNAL SURFACE PREPARATION (VESSEL ONLY):
EXTERNAL SANDBLAST: SSPC-SP6 (WHITE METAL BLAST)
INTERNAL COATING (VESSEL ONLY):
APPLICATION OF DEVCO 253 AS PER MANUFACTURERS SPECIFICATIONS
14. ESTIMATED SHIPPING WEIGHT: 31 700 LBS
15. OVERALL DIMENSIONS
HEIGHT 10'-0"
LENGTH 29'-5"
WIDTH 11'-6"

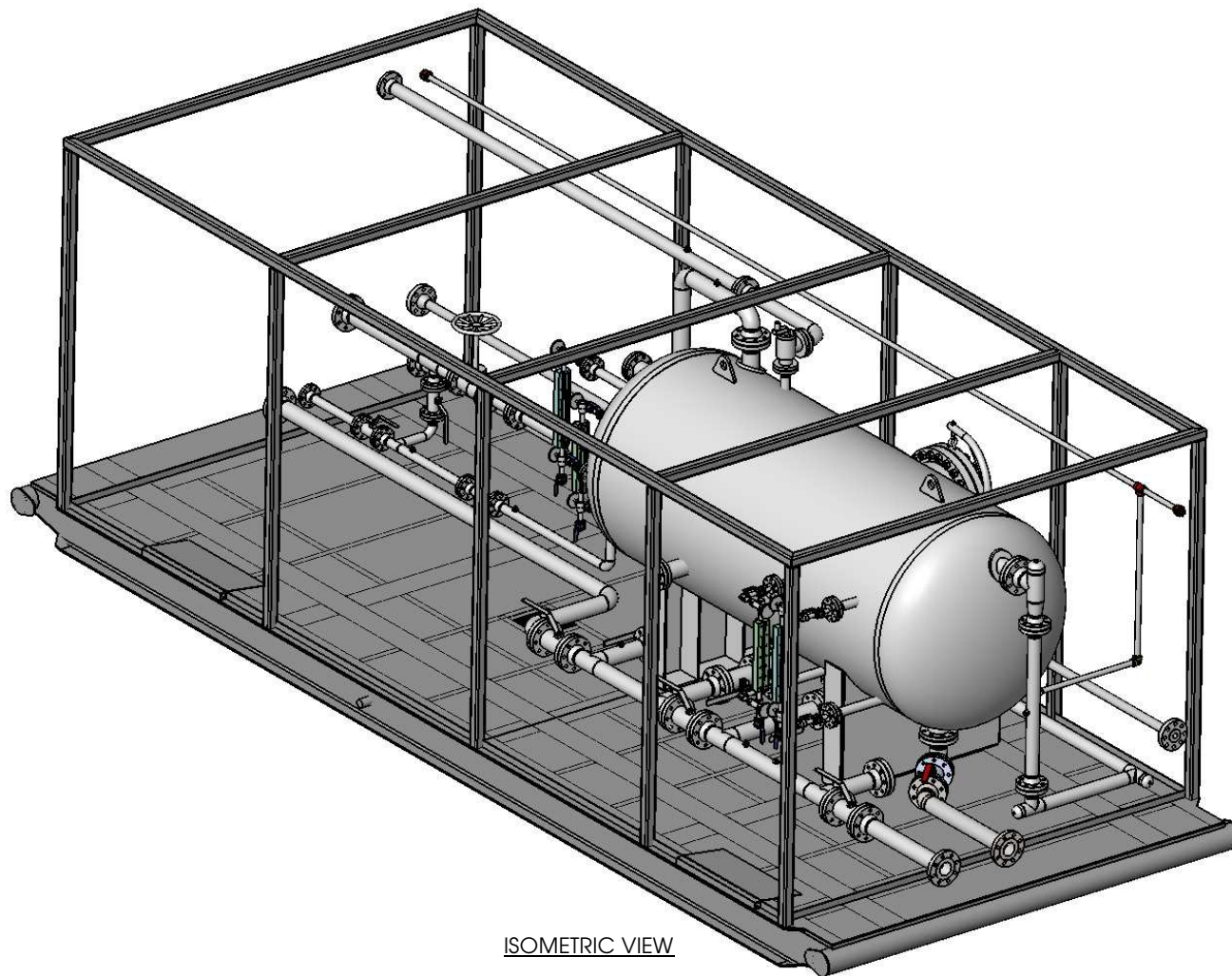
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11-1804-15-6S-6613
11-1804-15-6S-6614
11-1804-15-6S-6615
11-1804-15-6S-6616

CHK'D:	DATE:	BY:
PROJECT CO-ORDINATOR CHK'D:	DATE:	BY:
DO NOT SCALE FROM THIS DRAWING		

3	REVISED BUILDING HEIGHT AND WEIGHT	12/03/15	JM
2	REVISED N6 AND PURGE LINE	12/03/07	JM
1	ADDED PUMP PASS THRU SPOOL ASSEMBLY	12/01/27	JS
0	ISSUED FOR CONSTRUCTION	12/01/03	JM
00	ISSUED FOR APPROVAL	11/12/19	JM
REV.	DESCRIPTION	DATE	BY

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ES FOX LTD.		EDMONTON, ALBERTA CANADA	
CUSTOMER: WEATHERFORD INTERNATIONAL		LOCATION: PORTABLE, VARIOUS LOCATIONS	
DESCRIPTION: GENERAL ARRANGEMENT FOR 60" OD X 10'-0" S/S X 675 PSIG X -50/200 °F X 1/8" CA 3 PHASE HORIZONTAL SEPARATOR PACKAGE (SOUR)			
D	DRAWN: J. MITCHELMORE	CUSTOMER REVISION 'D'	DRAWING No.
DATE:	11/12/19		11-1804-6605
SCALE:	NTS		
SHOP ORDER No.:	11-1804-15-6S		
CRN:			REV. 



ISOMETRIC VIEW

DESIGN NOTES:

1. MAIN PIPING TO BE BUILT IN ACCORDANCE WITH THE LATEST EDITION OF ASME B31.3.
2. THIS DRAWING TO BE READ IN CONJUNCTION WITH THE MECHANICAL FLOW DIAGRAM.
3. BUTT WELDED PIPING TO BE SA-333-6 SMLS PIPE w/ SA-350-LF2 CL1 FLANGES AND SA-420-WPB-6 FITTINGS. SEE FLOW DIAGRAM FOR SCHEDULES AND RATINGS.
4. ALL THREADED PIPING TO BE:
SCH 160 SA-333-6 SMLS PIPE w/ SA-350-LF2 CL3000W FITTINGS.
TUBING TO BE 3/8" 316SS w/ 316SS FITTINGS AND FERRULES EXCEPT HP SENSING LINES TO BE 1/2" 316SS w 316SS FITTINGS AND FERRULES.
5. BOLTING TO BE SA-193-B7M STUDS c/w SA-194-2HM NUTS AND 316SS FLEXITALLIC GASKETS.
7. HYDROTESTING FOR BUTT WELD PIPING:
- 150W PIPING (280 PSIG DP) @ 420 PSIG (1.5 XD.P.)
- 300 # PIPING (740 PSIG DP) @ 1110 PSIG (1.5 X D.P.)
8. HYDROTESTING FOR THREADED PIPING:
AIR TESTED @ 100 PSIG WITH JOINTS SOAPED
9. ALL BUTT WELDS TO BE 100% RADIOGRAPHS PER ASME B31.3.
10. ALL PROCESS PIPING IS CONSIDERED SOUR SERVICE.
11. INSTRUMENT/ FUEL GAS IS CONSIDERED SOUR SERVICE.
12. ALL PIPING TO BE ADEQUATELY SUPPORTED.
13. PAINTING AND SANDBLASTING TO BE AS FOLLOWS:
EXTERNAL SURFACE PREPARATION:
-EXTERNAL SANDBLAST: SSPC-SP6(COMMERCIAL)
EXTERNAL PAINT:
-ONE COAT OF EPOXY PRIMER, 4 MILS DRY THICKNESS
-TWO COATS URETHANE TOPCOAT, 3 MILS DRY THICKNESS
- WARM GREY - VESSEL, PIPING, SKID AND STRUCTURAL MEMBERS
- INTERNAL SURFACE PREPARATION (VESSEL ONLY):
-EXTERNAL SANDBLAST: SSPC-SP6 (WHITE METAL BLAST)
INTERNAL COATING (VESSEL ONLY):
-APPLICATION OF DEVCOE 253 AS PER MANUFACTURERS SPECIFICATIONS
14. ESTIMATED SHIPPING WEIGHT: 31 700 LBS
15. OVERALL DIMENSIONS
HEIGHT 10'-0"
LENGTH 29'-5"
WIDTH 11'-6"

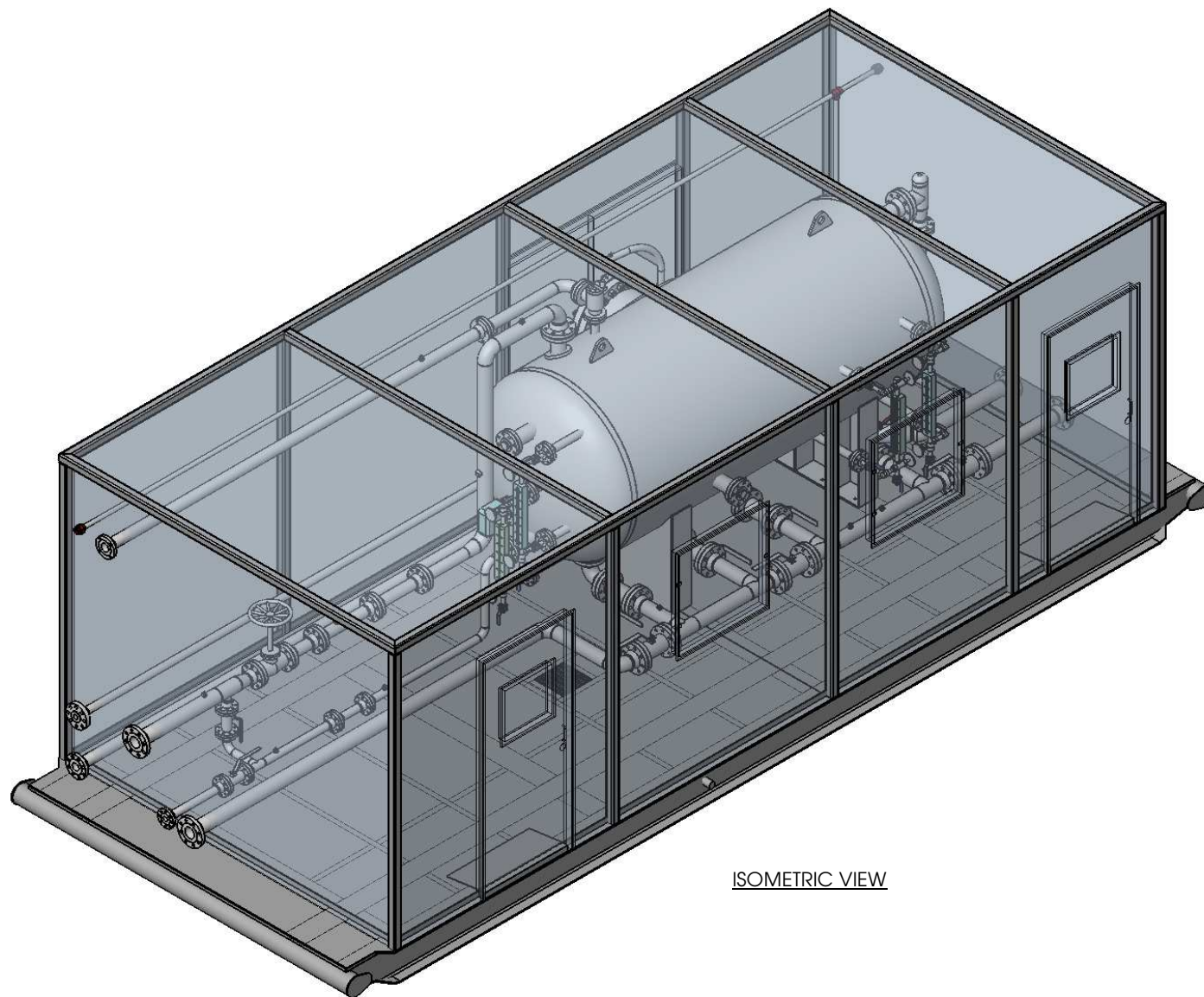
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11-1804-15-6S-6613 11-1804-15-6S-6616

CHK'D: DATE: BY:
PROJECT CO-ORDINATOR CHK'D: DATE: BY:
DO NOT SCALE FROM THIS DRAWING

3	REVISED BUILDING HEIGHT AND WEIGHT	12/03/15	JM
2	REVISED V&I AND PURGE LINE	12/03/07	JM
1	ADDED PUMP PASS THRU SPOOL ASSEMBLY	12/01/27	JS
0	ISSUED FOR CONSTRUCTION	12/01/03	JM
00	ISSUED FOR APPROVAL	11/12/19	JM
REV.	DESCRIPTION	DATE	BY

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ES FOX LTD.		EDMONTON, ALBERTA CANADA	
CUSTOMER: WEATHERFORD INTERNATIONAL		LOCATION: PORTABLE, VARIOUS LOCATIONS	
DESCRIPTION: GENERAL ARRANGEMENT FOR 60" OD X 10'-0" S/S X 675 PSIG X -50/200 °F X 1/8" CA 3 PHASE HORIZONTAL SEPARATOR PACKAGE (SOUR)			
DRAWN: J. MITCHELMORE		CUSTOMER REVISION 'D'	
DATE: 11/12/19		11-1804-6605	
SCALE: NTS			
SHOP ORDER No.: 11-1804-15-6S			
CRN:		REV.	



ISOMETRIC VIEW

DESIGN NOTES:

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4. ALL THREADED PIPING TO BE:
SCH 160 SA-333-6 SMLS PIPE w/ SA-350-LF2 CL3000# FITTINGS.
5. TUBING TO BE 3/8" 316SS w/ 316SS FITTINGS AND FERRULES EXCEPT HP SENSING LINES TO BE 1/2" 316SS w 316SS FITTINGS AND FERRULES.
6. BOLTING TO BE SA-193-B7M STUDS c/w SA-194-2HM NUTS AND 316SS FLEXITALLIC GASKETS.
7. HYDROTESTING FOR BUTT WELD PIPING:
- 150# PIPING (280 PSIG DP) @ 420 PSIG (1.5 X D.P.)
- 300 # PIPING (740 PSIG DP) @ 1110 PSIG (1.5 X D.P.)
8. HYDROTESTING FOR THREADED PIPING:
AIR TESTED @ 100 PSIG WITH JOINTS SOAPED
9. ALL BUTT WELDS TO BE 100% RADIOGRAPHS PER ASME B31.3.
10. ALL PROCESS PIPING IS CONSIDERED SOUR SERVICE.
11. INSTRUMENT/ FUEL GAS IS CONSIDERED SOUR SERVICE.
12. ALL PIPING TO BE ADEQUATELY SUPPORTED.
13. PAINTING AND SANDBLASTING TO BE AS FOLLOWS:
EXTERNAL SURFACE PREPARATION:
- EXTERNAL SANDBLAST: SSPC-SP6(COMMERCIAL)
EXTERNAL PAINT:
- ONE COAT OF EPOXY PRIMER, 4 MILS DRY THICKNESS
- TWO COATS URETHANE TOPCOAT, 3 MILS DRY THICKNESS
WARM GREY - VESSEL, PIPING, SKID AND STRUCTURAL MEMBERS
INTERNAL SURFACE PREPARATION (VESSEL ONLY):
- EXTERNAL SANDBLAST: SSPC-SP5 (WHITE METAL BLAST)
INTERNAL COATING (VESSEL ONLY):
- APPLICATION OF DEVCO 253 AS PER MANUFACTURERS SPECIFICATIONS
14. ESTIMATED SHIPPING WEIGHT: 31 700 LBS
15. OVERALL DIMENSIONS
HEIGHT 10'-0"
LENGTH 29'-5"
WIDTH 11'-6"

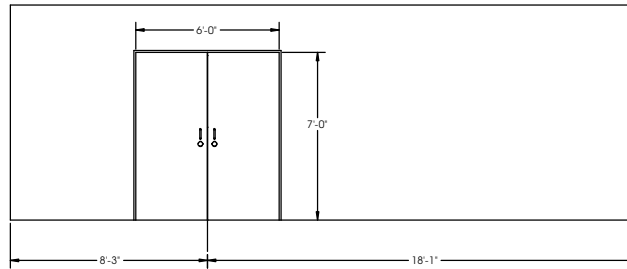
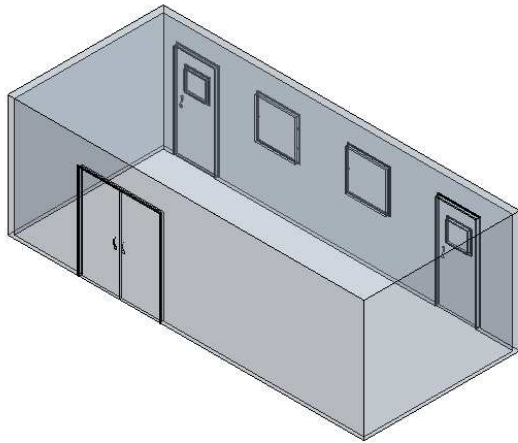
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CHK'D:	DATE:	BY:
PROJECT CO-ORDINATOR CHK'D:	DATE:	BY:
DO NOT SCALE FROM THIS DRAWING		

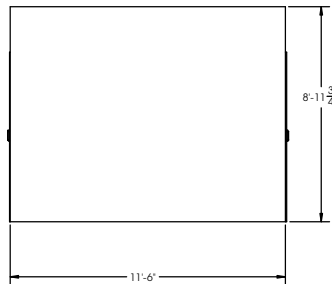
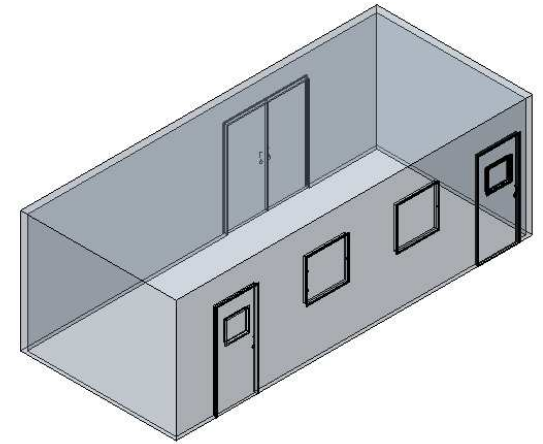
3	REVISED BUILDING HEIGHT AND WEIGHT	12/03/15	JM
3	REVISED IN6 AND PURGE LINE	12/03/07	JM
2	ADDED PUMP PASS THRU SPOOL ASSEMBLY	12/01/27	JS
1	ISSUED FOR CONSTRUCTION	12/01/03	JM
00	ISSUED FOR APPROVAL	11/12/19	JM
REV.	DESCRIPTION	DATE	BY

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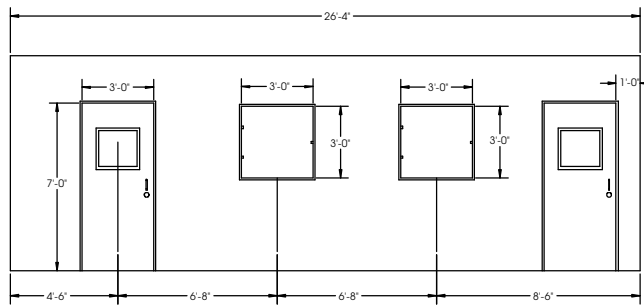
ES FOX LTD.		EDMONTON, ALBERTA CANADA	
CUSTOMER: WEATHERFORD INTERNATIONAL		LOCATION: PORTABLE, VARIOUS LOCATIONS	
DESCRIPTION: GENERAL ARRANGEMENT FOR 60" OD X 10'-0" S/S X 675 PSIG X -50/200 °F X 1/8" CA 3 PHASE HORIZONTAL SEPARATOR PACKAGE (SOUR)			
DRAWN: J. MITCHELMORE		CUSTOMER REVISION 'D'	
DATE: 11/12/19		DRAWING No. 11-1804-6605	
SCALE: NTS			
SHOP ORDER No.: 11-1804-15-6S			
CRN:			
		REV.	



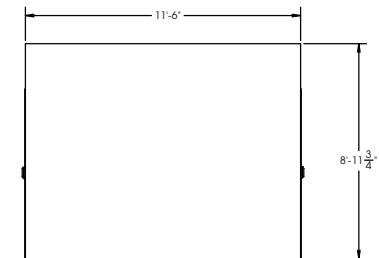
REAR VIEW



LEFT SIDE VIEW



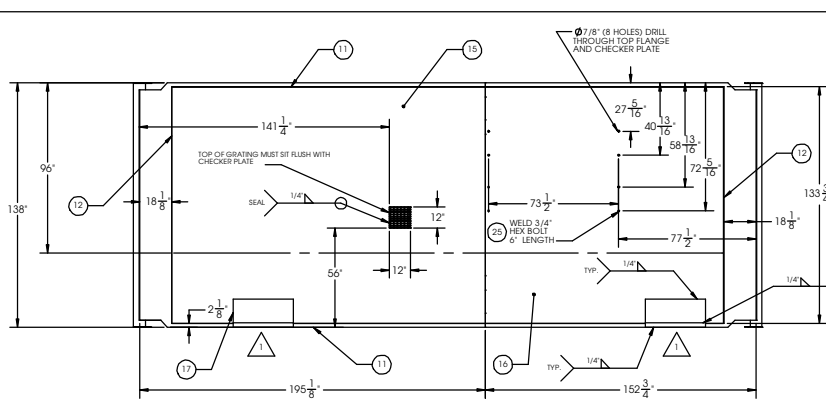
ELEVATION VIEW



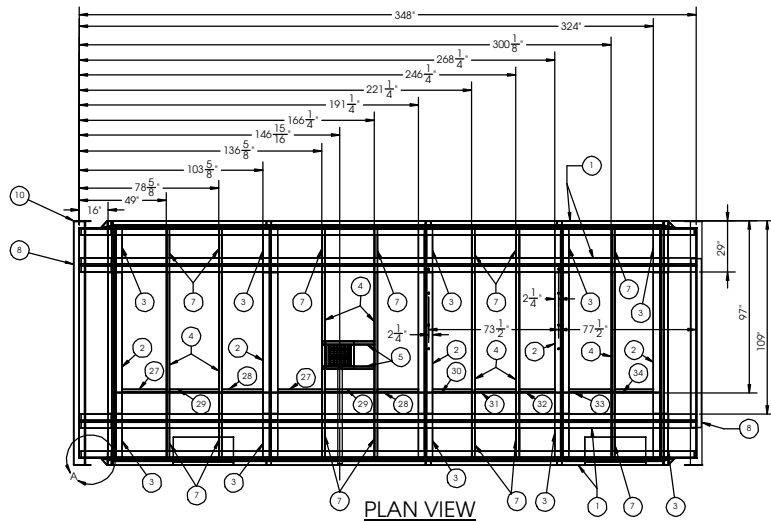
RIGHT SIDE VIEW

REQ'D: (6)

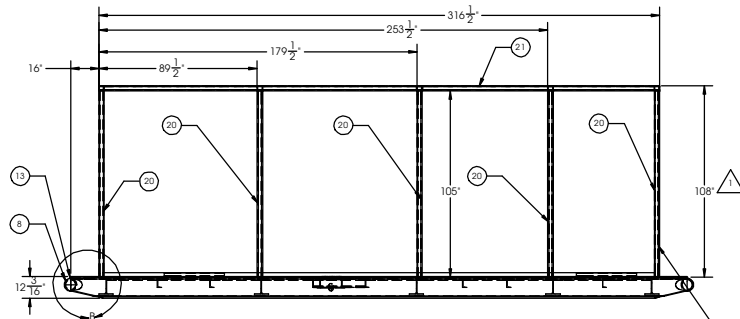
TIME CARD# 11-1804-15-6S-6401 (1-1)	CHK'D:		DATE:	BY:						THIS DRAWING IS THE PROPERTY OF E.S. FOX LTD. AND IS LENT TO THE RECIPIENT FOR CONFIDENTIAL USE ONLY. IN CONSIDERATION OF THE LOAN OF THE DRAWING, THE RECIPIENT PROMISES AND AGREES THAT IT SHALL NOT BE USED IN ANY WAY DETRIMENTAL TO THE INTERESTS OF E.S. FOX LTD. THAT IT SHALL BE RETURNED UPON REQUEST AND THAT IT SHALL NOT BE REPRODUCED, COPIED, LENT OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY WITHOUT THE WRITTEN PERMISSION OF E.S. FOX LTD.	DRAWN: JHET SABLAN	CUSTOMER REVISION "C"	DRAWING No.
	PROJECT MANAGER CHK'D:		DATE:	BY:							DATE: 11/12/21		11-1804-6420
											SCALE: NTS		
											SHOP ORDER No.: 11-1804-15-6S		
											CRN:		
DO NOT SCALE FROM THIS DRAWING													
					B	REVISED WINDOW AND DOOR POSITIONS	12/03/07	JM					
					A	ISSUED FOR APPROVAL	11/12/21	JS					
					REV.	DESCRIPTION	DATE	BY					



PLAN VIEW WITH DECK PLATES

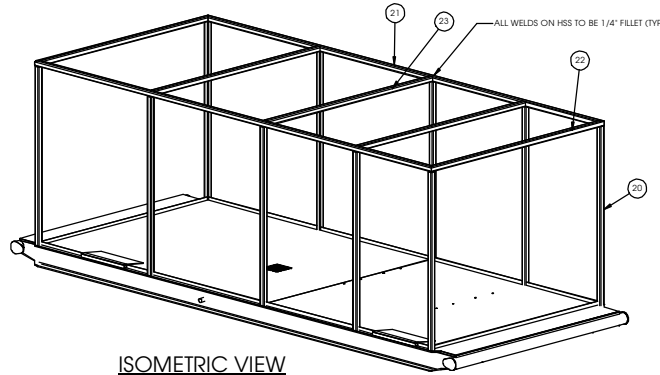
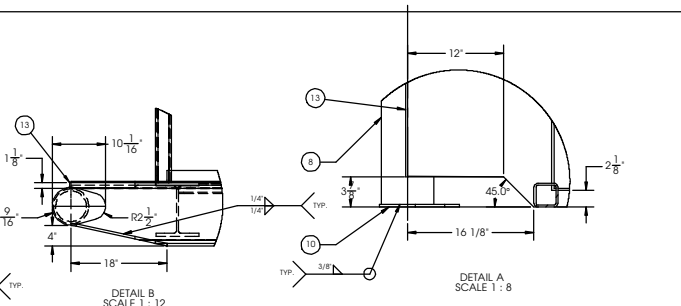


PLAN VIEW

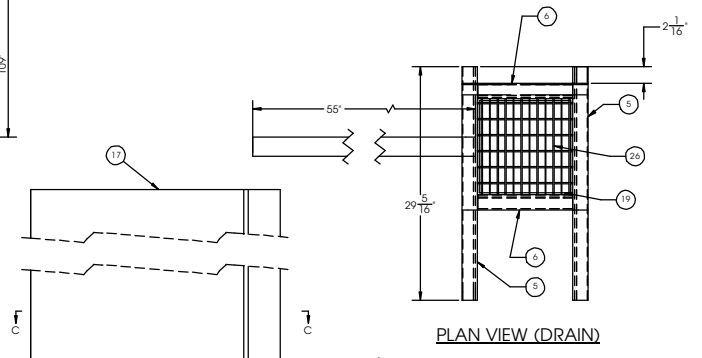


ELEVATION VIEW

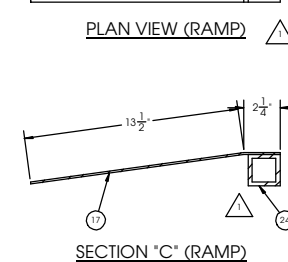
ALL SQUARE TUBING FRAME TO BE CONSTRUCTED AFTER VESSEL AND SPOOLS ARE PLANGED UP ON SHED. LOCATION OF SQUARE TUBING TO BE DETERMINED BY THE PROJECT MANAGER.



ISOMETRIC VIEW



PLAN VIEW (DRAIN)



PLAN VIEW (RAMP)

SECTION 'C' (RAMP)

GENERAL NOTES:

- ALL WELDS TO BE 1/4\"/>

BLAST & PAINTING:

- EXTERNAL SURFACE PREPARATION: EXTERNAL SANDBLAST: SPEC-SP6(COMMERCIAL)
- EXTERNAL PAINT: ONE COAT OF EPOXY PRIMER, 3-4 MILS DRY THICKNESS TWO COATS URETHANE TOPCOAT, 1.5-2.5 MILS DRY THICKNESS

WEATHERFORD RED - SKID AND STRUCTURAL:

RALP 030 40 60 CLC5# 5 1060-R, ENDURA CL924544

DESIGN NOTES:

- SKID HAS BEEN DESIGNED FOR A FOUR POINT LIFT AT EMPTY PACKAGE WEIGHT OR WINCH LOADING.
- DEFLECTION OF SKID WHILE ON PILES AND AT FULL OPERATIONAL WEIGHT IS THE RESPONSIBILITY OF OTHERS.
- UNIT IS FOB SHOP; ALL OTHER TRANSPORT AND PLACEMENT IS BY OTHERS.

ITEM NO.	QTY.	DESCRIPTION	MATERIAL	LENGTH
1	4	W12X40 WIDE BEAM	SPEC G40.21 44W	348 IN
2	5	W10X33 WIDE BEAM	SPEC G40.21 44W	87 7/8 IN
3	10	W10X33 WIDE BEAM	SPEC G40.21 44W	20 7/8 IN
4	7	C4 X 5.4 (C) CHANNEL	SPEC 40.21-44W	87 7/8 IN
5	2	C4 X 5.4 (C) CHANNEL	SPEC 40.21-44W	29 7/8 IN
6	2	C4 X 5.4 (C) CHANNEL	SPEC 40.21-44W	12 IN
7	14	C4 X 5.4 (C) CHANNEL	SPEC 40.21-44W	20 7/8 IN
8	2	6" SCH 80 SMLS PIPE	SA-106-B	137 1/2 IN
9	1	2" SCH 40 SMLS PIPE	SA-106-B	33 IN
10	4	3/8" PLATE	SA-36	10 1/2 X 7 1/8
11	2	2" x 1/4" THK FLAT BAR	SA-36	310 IN
12	2	2" x 1/4" THK FLAT BAR	SA-36	133 1/2 IN
13	2	1 1/8" X 1/4" THK FLAT BAR(SID EDGE)	SA-36	130 IN
14	1	1/4" PLATE (BASE OF DRAIN)	SA-36	15 2 3/4 X 15 3/8
15	1	1/4" CHECKER PLATE	SA-36	138" X 195 5/8
16	1	1/4" CHECKER PLATE	SA-36	138" X 155 5/8
17	2	1/4" CHECKER PLATE (RAMP)	SA-36	34" X 106"
18	2	1/4" CHECKER PLATE (RAMP)	SA-36	34" X 12"
19	4	1/2" x 1/2" SQUARE BAR	SA-36	12"
20	10	HSS 3" X 3" X 0.25"	SPEC 40.21-GR50	111
21	2	HSS 3" X 3" X 0.25"	SPEC 40.21-GR50	316 1/2 IN
22	2	HSS 3" X 3" X 0.25"	SPEC 40.21-GR50	138 IN
23	3	HSS 3" X 3" X 0.25"	SPEC 40.21-GR50	132 IN
24	2	HSS 2" X 2" X 0.25"	SPEC 40.21-GR50	34 IN
25	8	BOLT Ø3/4" x 6" LONG	A-325	
26	2	L2" x 2" x 0.25" (ANGLE)	SA-36	28 13/16"
27	2	L2" x 2" x 0.25" (ANGLE)	SA-36	28 5/8"
28	2	L2" x 2" x 0.25" (ANGLE)	SA-36	29 7/16"
29	1	L2" x 2" x 0.25" (ANGLE)	SA-36	25 13/16"
30	1	L2" x 2" x 0.25" (ANGLE)	SA-36	24 13/16"
31	1	L2" x 2" x 0.25" (ANGLE)	SA-36	25 5/8"
32	1	L2" x 2" x 0.25" (ANGLE)	SA-36	27 11/16"
33	1	L2" x 2" x 0.25" (ANGLE)	SA-36	27 1/2"
34	2			

E.S. FOX LTD.

EDMONTON, ALBERTA
CANADA

CUSTOMER: WEATHERFORD
LOCATION: VARIOUS LOCATIONS

DESCRIPTION:

SolidWorks Detached drawing - Out-of-Sync Print

REQ'D: (6)

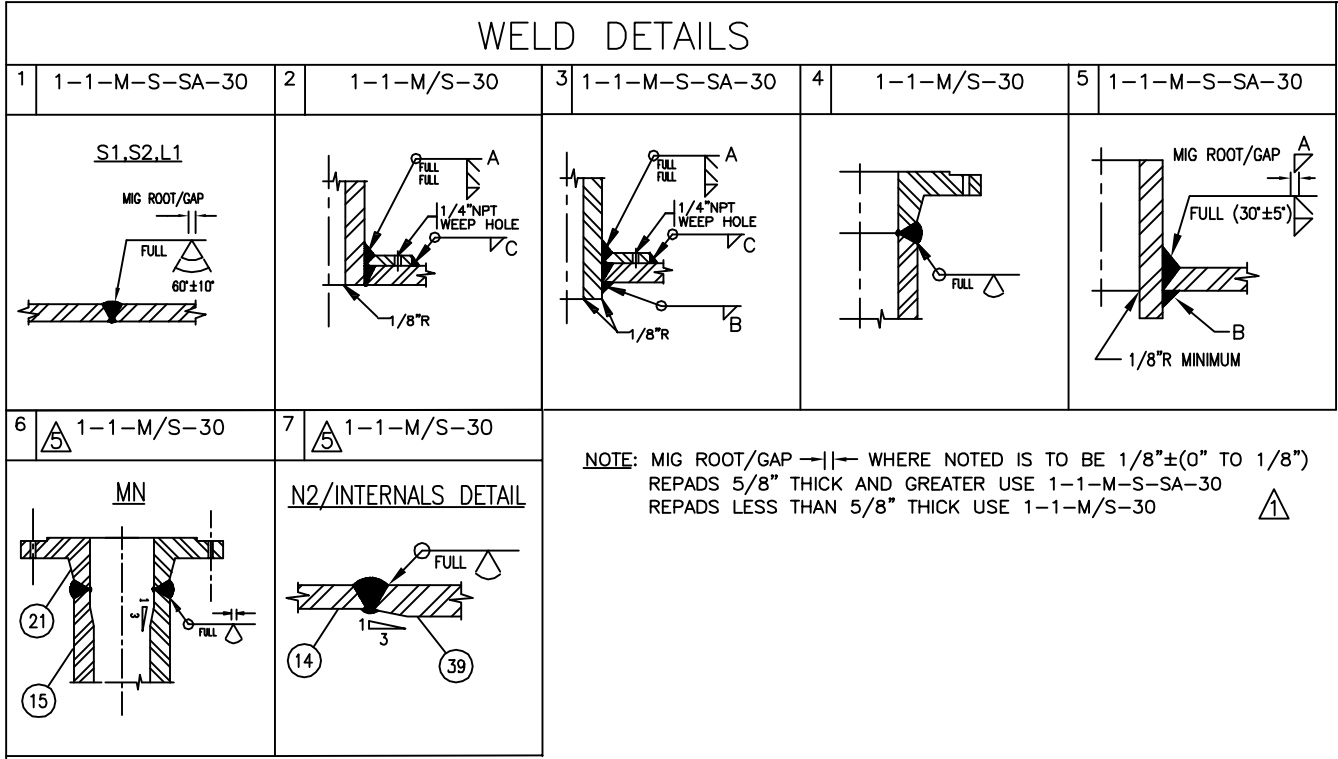
TIME CARD#
11-1804-15-65-6410
11-1804-15-65-6420
11-1804-15-65-6430
11-1804-15-65-6440
11-1804-15-65-6450
11-1804-15-65-6460

DO NOT SCALE FROM THIS DRAWING

W	ISSUED FOR CONSTRUCTION	12/01/04	JM
A	ISSUED FOR APPROVAL	11/12/21	JM
REV.	DESCRIPTION	DATE	BY

SCALE: NTS
SHOP ORDER No.: 11-1804-15-65
CRN:

DRAWING No.
11-1804-6410
REV. A



MARK No.	No. REQ'D	SIZE	ANSI RATING & FACING	SERVICE	SCHEDULE	PROJECTION		ITEM NUMBER	REPAD OD. & THK.	WELDING DETAIL No.	FILLET WELD				CUT LENGTH	REMARKS* (* SEE NOTES)
						OUTSIDE	MIN. INSIDE				A	B	C	D		
N1	1	4"	CL 300 RFWN	GAS INLET	XXH	AS SHOWN	AS SHOWN	17,26,38	#8 1/2" x 5/8"THK	3,4	5/8"	3/8"	5/8"		10"	
N2	1	4"	CL 300 RFWN	GAS OUTLET	XXH	AS SHOWN	AS SHOWN	13,14,17,27,37,38,42,53	#8 1/2" x 3/4"THK	3,4	5/8"	3/8"	5/8"			
N3	1	4"	CL 300 RFLWN	DRAIN OUTLET	0.875" WALL THK	AS SHOWN	FLUSH	10,11,20,28,40,41	#10 1/2" x 3/8"THK	2	3/8"	—	5/16"			
N4	1	3"	CL 300 RFLWN	OIL OUTLET	0.81" WALL THK	AS SHOWN	1 5/8"	19		5	3/8"	3/8"				
N5	1	4"	CL 300 RFLWN	WATER OUTLET	0.875" WALL THK	AS SHOWN	FLUSH	10,11,20,28,40,41	#10 1/2" x 3/8"THK	2	3/8"	—	5/16"			
N6	1	4"	CL 300 RFLWN	SAND OUTLET	0.875" WALL THK	AS SHOWN	FLUSH	20,28	#10 1/2" x 3/8"THK	2	3/8"	—	5/16"			
N7	1	3"	CL 300 RFLWN	LEVEL CONTROL	0.81" WALL THK	AS SHOWN	1 5/8"	18		5	3/8"	3/8"				
N8	2	2"	CL 300 RFWN	SIGHT GAUGE	XXH	AS SHOWN	1"	16,29,31		4,5	3/8"	3/8"			A 7" B 16"	JIG SET
N9	2	2"	CL 300 RFWN	SIGHT GAUGE	XXH	AS SHOWN	1"	16,34,35		4,5	3/8"	3/8"			A 17 1/2" B 9 1/2"	JIG SET
N10	2	2"	CL 300 RFWN	SIGHT GAUGE	XXH	AS SHOWN	1"	16,30,31		4,5	3/8"	3/8"			A 7" B 21"	JIG SET
N11	2	2"	CL 300 RFWN	SIGHT GAUGE	XXH	AS SHOWN	1"	16,30,32		4,5	3/8"	3/8"			A 8 1/2" B 21"	JIG SET
N12	1	2"	CL 300 RFWN	RELIEF OUTLET	XXH	AS SHOWN	2"	16,32		4,5	3/8"	3/8"			8"	
N13	1	3"	CL 300 RFLWN	LOW LEVEL SHUTDOWN	0.81" WALL THK	AS SHOWN	1 5/8"	19		5	3/8"	3/8"				
N14	1	3"	CL 300 RFLWN	HIGH LEVEL SHUTDOWN	0.81" WALL THK	AS SHOWN	1 5/8"	19		5	3/8"	3/8"				
N15	1	4"	CL 300 RFLWN	WATER OUTLET	0.875" WALL THK	AS SHOWN	AS SHOWN	13,14,33,36,42,53		5	3/8"	3/8"				
MN	1	20"	CL 300 RFWN	MANWAY/INSPECTION	(1.031")SCH 80	AS SHOWN	3"	15,21,22,23,24,25	#40" x 3/4"THK	3,4	3/8"	3/8"	5/8"		10 1/2"	c/w BLIND AND DAVIT

ITEM NO 47 TO BE SHIP LOOSE

IMPACT NOTES

ALL PRESSURE BEARING COMPONENTS SHALL BE IMPACT TESTED IN ACCORDANCE WITH UG-84 @ -50°F TO 15/10 lb-fts SHELL & HEADS ONLY.

IN ACCORDANCE WITH UG-84, THE VESSEL SHELL, HEADS & WELDS MUST MEET AN AVERAGE OF 15/10 ft/lbs AT -50°F FOR THREE(3) TEST SPECIFICATION @ -50°F PRODUCTION IMPACT TESTING ON MATERIAL FROM THE SAME HEAT # AS THE SHELL OR HEADS ARE REQUIRED

SHELL AND HEADS PURCHASED WITH ACCEPTABLE CHARMY IMPACT TEST RESULTS REST OF MATERIALS ARE IMPACT TEST EXEMPT AS PER REF. PARA. UCS-66(a)(5)(g)

SERVICE: SOUR

DESIGN DATA:

TO BE CONSTRUCTED IN STRICT ACCORDANCE TO THE 2010 EDITION, OF THE ASME CODE FOR UNFIREED PRESSURE VESSELS. SECTION VIII DIV 1, "U" STAMPED PARA UW-11(a) TYPE 1 HYDROTEST IS TO OCCUR AT A TEST TEMPERATURE MAINTAINED AT 40°F MIN.

PAINTING:

EXTERNAL SURFACES PREPARATION:

- EXTERNAL SANDBLAST: SSPC-SP6 (COMMERCIAL)

INTERNAL PAINT:

- ONE (1) COAT OF EPOXY PRIMER, 3-4 MILS DRY THICKNESS
- TWO (2) COATS URETHANE TOPCOAT, 1.5-2.5 MILS DRY THICKNESS
 - WEATHERFORD WHITE - VESSEL: RAL #9003, NCS# S 0500-N, ENDURA CLR120
- ONE (1) COAT URETHANE CLEAR COAT, 1.0-1.5 MILS DRY THICKNESS

INTERNAL SURFACE PREPARATION:

- EXTERNAL SANDBLAST: SSPC - SP5 (WHITE METAL BLAST)
- SHOP TO RADIUS ALL SHARP EDGES BEFORE SENDING VESSEL FOR COATING

INTERNAL COATING:

- APPLICATION OF DEVOE 253 AS PER MANUFACTURERS SPECIFICATIONS

THIS VESSEL HAS A SERVICE DESIGNATION OF SOUR; ES FOX LTD. WILL NOT BE RESPONSIBLE IF THIS VESSEL IS PLACED IN A HARSHER SERVICE DESIGNATION OTHER THAN THIS.

ES FOX LTD. DOES NOT ASSUME RESPONSIBILITY OR LIABILITY FOR ANY CHANGES MADE TO THE VESSEL OR FOR ANY INTERNAL/EXTERNAL ATTACHMENTS ADDED TO THIS VESSEL NOT DONE IN OUR SHOP.

VESSEL DESIGN AND ANALYSIS IS BASED ON INTERNAL PRESSURE AND CORROSION ALLOWANCE ONLY UNLESS OTHERWISE NOTED. VESSEL CALCULATIONS HAVE CONSIDERED ALL APPLICABLE LOADINGS IN ACCORDANCE WITH UG-22

WHEN A PRESSURE RELIEF DEVICE (PSV, PRV, TRV, etc) IS NOT SPECIFIED ON THE NOZZLE SCHEDULE, IT WILL BE PROVIDED BY OTHERS IN THE PIPING. REPAD TO HAVE #1/4" WEEP HOLES AT HIGH AND LOW POINTS.

