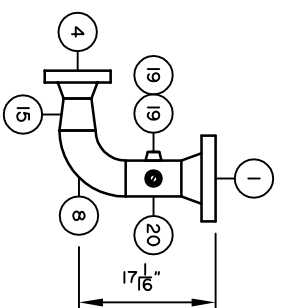
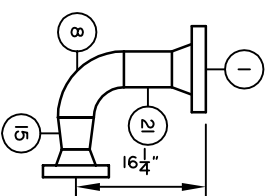


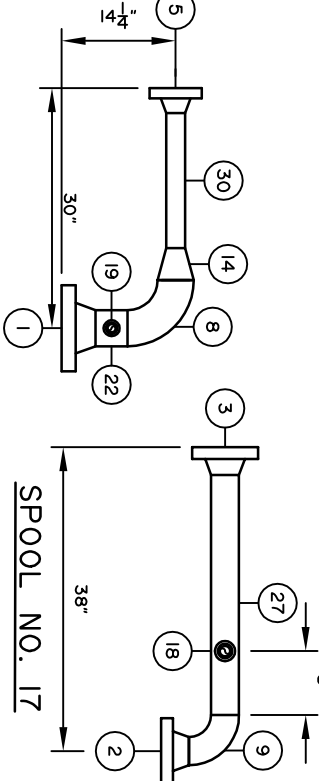
SPOOL NO. 13



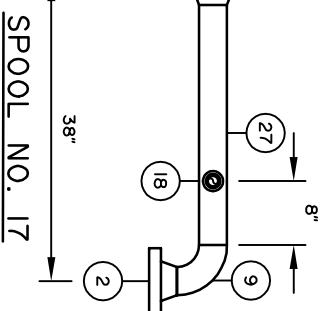
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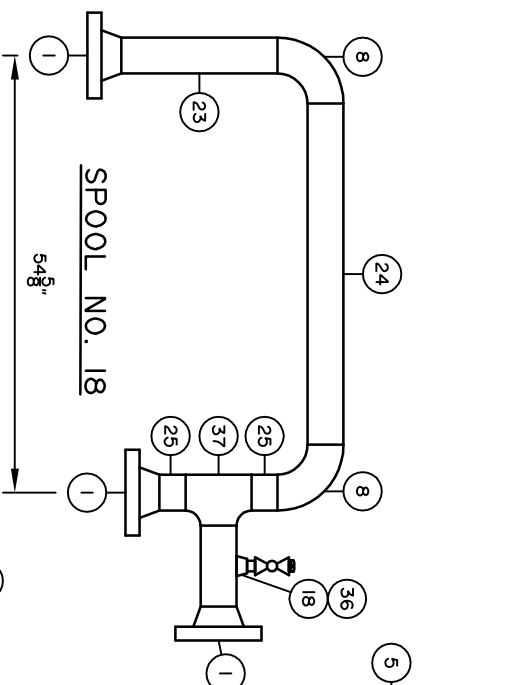
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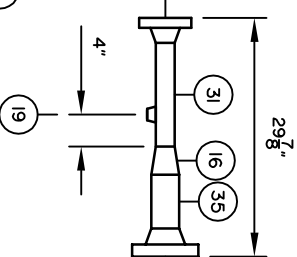
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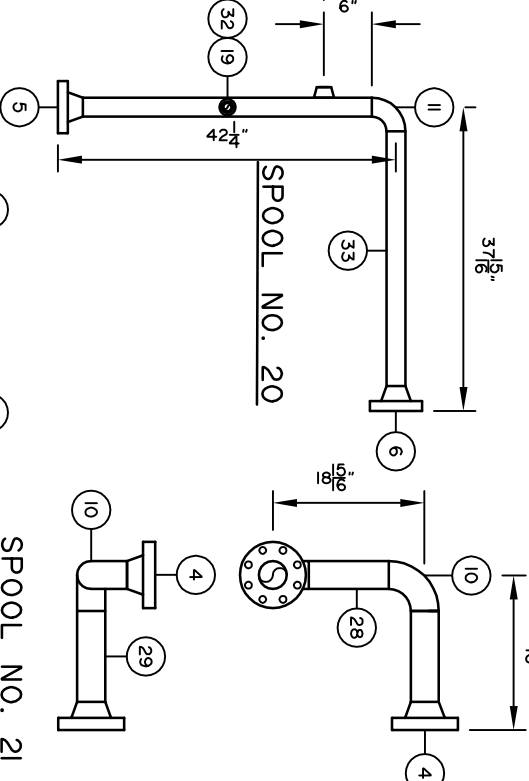
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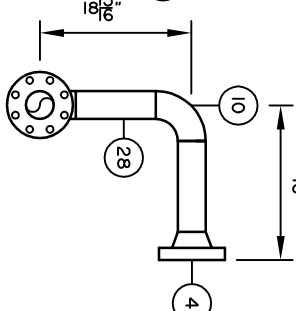
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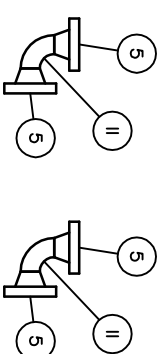
SPOOL NO. 19



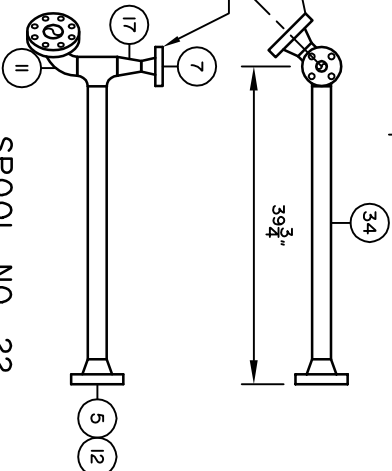
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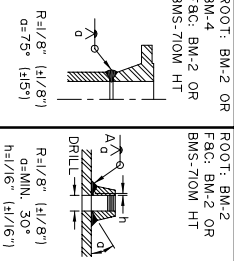
SPOOL NO. 21



SPOOL NO. 23A/B



SPOOL NO. 22



ASME B31.3 2012 ED. (NORMAL SERVICE)

BMS AQP (S) 1009	REGISTERED WELD PROCEDURE 505.2
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FOR PIPING TOLERANCES, SEE WELDER HANDBOOK

FLUID TYPE: WATER, OIL, GAS

M.A.W.P.: 1335 PSIG (9205 kPag) AT +230°F (+110°C)

M.D.M.T.: -20°F (-29°C) AT 1335 PSIG (9205 kPag) (SEE NOTE 8)

P.W.H.T.: 1150°F FOR 60 MIN.

RADIOGRAPHY: 100%

CORROSION ALLOWANCE: 1/8"

HYDROSTATIC TEST: 2003 PSIG (138) kPag

- NOTES:
1. ALL PIPING TO CONFORM TO NEXEN SPEC. 140-02B REV. 5 CLASS 'CB'.
 2. ALL PIPING OUTSIDE OF BUILDING TO CONFORM TO NEXEN SPEC. 140-02B CLASS 'CB'.
 3. ALL NDE TO BE PERFORMED AFTER PWHT, ALTHOUGH RANDOM SAMPLING MAY BE USED PRIOR TO PWHT BUT WILL NOT BE CONSIDERED AS FINAL INTERPRETATION.
 4. 100% RT SHALL BE PERFORMED ON ALL BUTT WELDS.
 5. 100% MT SHALL BE PERFORMED ON ALL FILET WELDS.
 6. SEE NEXEN SPEC 120-06B TABLE B-2 FOR NDE ACCEPTANCE CRITERIA.
 7. HARDNESS TESTING TO BE DONE AFTER PWHT.
 8. MDMT FOR PIPING IN CLASS 'CB' IS -45°C (-49°F) [33SPS16 (920SKPA)]
 9. ALL MATERIALS SUBJECT TO SOUR SERVICE SHALL BE IN COMPLIANCE WITH NEXEN SPEC. 120-01.

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△	10	20	14	ISSUED FOR APPROVAL	.
REV. No.	MM	DD	YY	DESCRIPTION	BY
		DATE			CHK'D
					APP'D

BILL OF MATERIAL		
ITEM	QTY.	DESCRIPTION
1	8	RFWN, 4" 600 ANSI SCH. 80, SA105N
2	1	RFWN, 3" 600 ANSI SCH. 160, SA105N
3	1	RFWN, 3" 600 ANSI SCH. 160, SA350LF2 CLI
4	6	RFWN, 3" 600 ANSI SCH. 80, SA105N
5	8	RFWN, 2" 600 ANSI SCH. 160, SA105N
6	1	RFWN, 2" 600 ANSI SCH. 160, SA350LF2 CLI
7	1	RFWN, 1" 600 ANSI, SCH. XXH, SA105N
8	6	WELD 90, 4" SCH. 80 LR, SA234WPB
9	1	WELD 90, 3" SCH. 160 LR, SA234WPB
10	2	WELD 90, 3" SCH. 80 LR, SA234WPB
11	4	WELD 90, 2" SCH. 160 LR, SA234WPB
12	1	WELD TEE, 2" SCH. 160, SA234WPB
13	1	WELD RED TEE, 4" X 3" SCH. 80, SA234WPB
14	1	WELD CONC, 4" X 2" SCH. 80 X SCH. 160, SA234WPB
15	2	WELD CONC, 4" X 3" SCH. 80, SA234WPB
16	1	WELD CONC, 3" X 2" SCH. 80 X SCH. 160, SA234WPB
17	1	WELD CONC, 2" X 1" SCH. 160 X SCH. XXH, SA234WPB
18	3	TOL, 1" 6M, SA105N
19	5	TOL, 3/4" 6M, SA105N
20	1	PIPE, 4" SCH. 80 [0.337], SA106B X 7" LONG
21	1	PIPE, 4" SCH. 80 [0.337], SA106B X 6" LONG
22	1	PIPE, 4" SCH. 80 [0.337], SA106B X 4" LONG
23	1	PIPE, 4" SCH. 80 [0.337], SA106B X 19 1/2" LONG
24	1	PIPE, 4" SCH. 80 [0.337], SA106B X 42 5/8" LONG
25	2	PIPE, 4" SCH. 80 [0.337], SA106B X 3-1/4" LONG
26	1	PIPE, 3" SCH. 80 [0.300], SA106B X 2 1/16" LONG
27	1	PIPE, 3" SCH. 160 [0.4387], SA333GR6 X 30" LONG
28	1	PIPE, 3" SCH. 80 [0.300], SA106B X 10" LONG
29	1	PIPE, 3" SCH. 80 [0.300], SA106B X 11 3/8" LONG
30	1	PIPE, 2" SCH. 160 [0.344], SA106B X 16 7/8" LONG
31	1	PIPE, 2" SCH. 160 [0.344], SA106B X 13" LONG
32	1	PIPE, 2" SCH. 160 [0.344], SA106B X 36 1/8" LONG
33	1	PIPE, 2" SCH. 160 [0.344], SA333GR6 X 31 7/8" LONG
34	1	PIPE, 2" SCH. 160 [0.344], SA333GR6 X 34 1/8" LONG
35	1	PIPE, 3" SCH. 80 [0.3007], SA106B X 6 3/4" LONG
36	1	PIPE, 4" SCH. 80 [0.337], SA106B X 10-1/8" LONG
37	1	WELD TEE, 4" SCH. 80, SA234WPB

CLIENT			
PROJECT			
DILLY CREEK WELL SITE SEPARATOR PACKAGE (Z-250) LSD: d-37-H/94-O-8		925-23rd Street S.W. Medicine Hat Alberta, Canada, T1A 8R1 (403) 526-3142	
TITLE		PIPING SPOOLS 13-23	
W.O. No.:	35024		
DRAWN BY:	BJ SYLVSKI	REV. No.:	A
DATE MM/DD/YY	10/20/14	SCALE:	1/2"=1'
		DATE MM/DD/YY	10/20/14
		CAD No.:	35024-SPOOLS-3