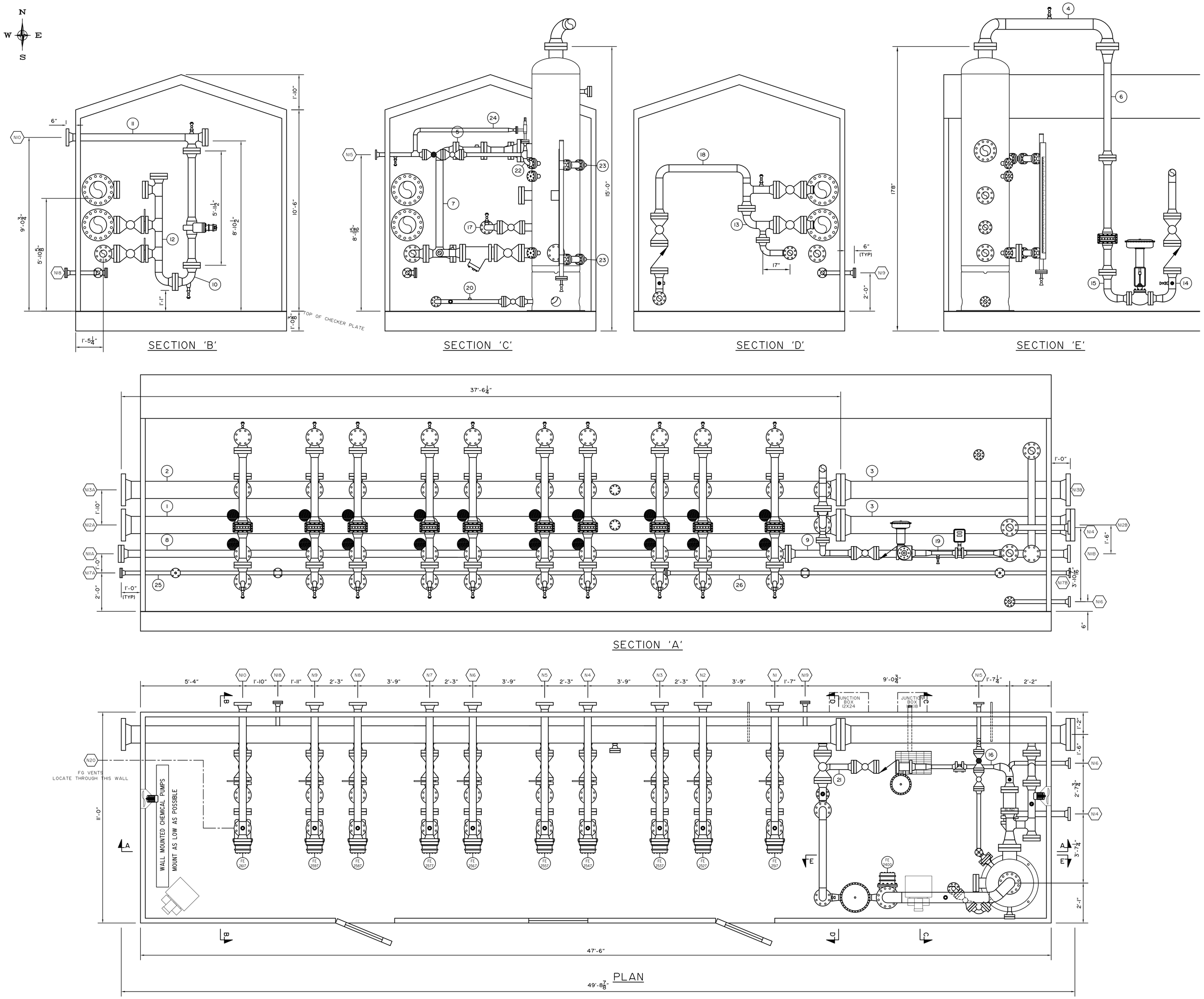

BILL OF MATERIAL

ITEM	QTY.	DESCRIPTION
1	1	SPOOL NO. 1 - SEE DRAWING 35024-SP00LS-1
2	1	SPOOL NO. 2 - SEE DRAWING 35024-SP00LS-1
3	2	SPOOL NO. 3 - SEE DRAWING 35024-SP00LS-1
4	1	SPOOL NO. 4 - SEE DRAWING 35024-SP00LS-1
5	1	SPOOL NO. 5 - SEE DRAWING 35024-SP00LS-1
6	1	SPOOL NO. 6 - SEE DRAWING 35024-SP00LS-1
7	1	SPOOL NO. 7 - SEE DRAWING 35024-SP00LS-1
8	1	SPOOL NO. 8 - SEE DRAWING 35024-SP00LS-1
9	1	SPOOL NO. 9 - SEE DRAWING 35024-SP00LS-1
10	10	SPOOL NO. 10 - SEE DRAWING 35024-SP00LS-1
11	10	SPOOL NO. 11 - SEE DRAWING 35024-SP00LS-2
12	10	SPOOL NO. 12 - SEE DRAWING 35024-SP00LS-2
13	1	SPOOL NO. 13 - SEE DRAWING 35024-SP00LS-3
14	1	SPOOL NO. 14 - SEE DRAWING 35024-SP00LS-3
15	1	SPOOL NO. 15 - SEE DRAWING 35024-SP00LS-3
16	1	SPOOL NO. 16 - SEE DRAWING 35024-SP00LS-3
17	2	SPOOL NO. 17 - SEE DRAWING 35024-SP00LS-3
18	1	SPOOL NO. 18 - SEE DRAWING 35024-SP00LS-3
19	1	SPOOL NO. 19 - SEE DRAWING 35024-SP00LS-3
20	1	SPOOL NO. 20 - SEE DRAWING 35024-SP00LS-3
21	1	SPOOL NO. 21 - SEE DRAWING 35024-SP00LS-3
22	1	SPOOL NO. 22 - SEE DRAWING 35024-SP00LS-3
23	1	SPOOL NO. 23 - SEE DRAWING 35024-SP00LS-3
24	1	SPOOL NO. 24 - SEE DRAWING 35024-SP00LS-4
25	1	SPOOL NO. 25 - SEE DRAWING 35024-SP00LS-4
26	1	SPOOL NO. 26 - SEE DRAWING 35024-SP00LS-4
27	1	RFB, 10" 600 ANSI, SA350LF2 CL1
28	2	RFB, 4" 600 ANSI, SA350LF2 CL1
29	44	RFB, 4" 600 ANSI, SAI05N
30	3	RFB, 2" 600 ANSI, SA350LF2 CL1
31	4	RFB, 2" 150 ANSI, SA350LF2 CL1
32	3	RFHB, 4" 600 ANSI TAPPED 2", SAI05N
33	3	RFHB, 2" 600 ANSI TAPPED 3/4", SAI05N
34	2	RFHB, 2" 150 ANSI TAPPED 1", SAI05N
35	4	316 SPIRALWND GSKT, 10" 600 ANSI, NASB
36	3	316 SPIRALWND GSKT, 6" 600 ANSI, NASB
37	156	316 SPIRALWND GSKT, 4" 600 ANSI, NASB
38	9	316 SPIRALWND GSKT, 3" 3-600 ANSI, NASB
39	13	316 SPIRALWND GSKT, 2" 3-600 ANSI, NASB
40	7	316 SPIRALWND GSKT, 2" 150 ANSI, NASB
41	3	316 SPIRALWND GSKT, 1" 600 ANSI, NASB
42	64	B7M STUD, 1 1/4" X 8 1/2", SAI93-B7M
43	36	B7M STUD, 1" X 6 3/4", SAI93-B7M
44	8	B7M STUD, 7/8" X 7 1/2", SAI93-B7M
45	160	B7M STUD, 7/8" X 6 1/2", SAI93-B7M
46	920	B7M STUD, 7/8" X 5 3/4", SAI93-B7M
47	72	B7M STUD, 3/4" X 5", SAI93-B7M
48	82	B7M STUD, 5/8" X 4 1/4", SAI93-B7M
49	1	316 SPIRALWND GSKT, 1" 150 ANSI, NASB
50	32	B7M STUD, 5/8" X 3 1/4", SAI93-B7M
51	4	B7M STUD, 1/2" X 6", SAI93-B7M
52	128	2HM HEX NUT, 1 1/4", SAI94-2HM
53	72	2HM HEX NUT, 1", SAI94-2HM
54	276	2HM HEX NUT, 7/8", SAI94-2HM
55	144	2HM HEX NUT, 3/4", SAI94-2HM
56	288	2HM HEX NUT, 5/8", SAI94-2HM
57	8	2HM HEX NUT, 1/2", SAI94-2HM
58	10	FS HEX PLUG, 1" 6000 PSI, SAI05N

NOTES:
ALL STUD LENGTHS GIVEN ARE THREAD TO THREAD
SHIPPING DIMENSIONS 12'-3" WIDE X 50'-0" LONG X 15'-0" HIGH
PACKAGE WEIGHT APPROX 85,000 LBS
10" BALL VALVE AND TOP SPOOL PIECE TO BE REMOVED FOR SHIPPING
ALL THREADED PIPING TO BE SCH. XXH
ALL THREADED FITTINGS TO BE 6000 PSI
ALL PIPING TO CONFORM TO NEXEN SPEC. I40-02B CLASS 'CB' & 'CBC'
ALL MATERIAL SUBJECT TO SOUR SERVICE SHALL BE IN COMPLIANCE WITH NEXEN SPEC. I20-01
P. ENG. STAMPED FOR ASBUILT ONLY, NOT FOR FITNESS FOR PURPOSE

NOZZLE CHART

NOZZLE	SIZE	RATING	SERVICE	NOTES
N1	4"	600 ANSI	INLET	
N2	4"	600 ANSI	INLET	
N3	4"	600 ANSI	INLET	
N4	4"	600 ANSI	INLET	
N5	4"	600 ANSI	INLET	
N6	4"	600 ANSI	INLET	
N7	4"	600 ANSI	INLET	
N8	4"	600 ANSI	INLET	
N9	4"	600 ANSI	INLET	
N10	4"	600 ANSI	INLET	
N11 A	4"	600 ANSI	TEST OUT	C/W ONE (1) RFB
N11 B	4"	600 ANSI	TEST OUT	.
N12 A	10"	600 ANSI	GROUP OUT	.
N12 B	10"	600 ANSI	GROUP OUT	C/W ONE (1) RFB
N13 A/B	10"	600 ANSI	SPARE	
N14	3"	600 ANSI	FLUSH OUT	
N15	2"	150 ANSI	PSV OUT	
N16	2"	600 ANIS	TRUCK OUT	
N17 A	2"	150 ANSI	INST. AIR	C/W ONE (1) RFB
N17 B	2"	150 ANSI	INST. AIR	.
N18	2"	150 ANSI	INST. AIR	C/W ONE (1) RFB
N19	2"	150 ANSI	INST. AIR	C/W ONE (1) RFB
N20	1"	150 ANSI	HPV	

REV. No.	MM	DD	YY	DESCRIPTION	BY	CHK'D	SIGN'D
.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.
A	10	20	14	ISSUED FOR APPROVAL	BJ	BJ	.

CLIENT
CNOOC
nexen A CNOOC LIMITED COMPANY

BROMLEY MECHANICAL SERVICES
925-23rd Street S.W. Medicine Hat
Alberta, Canada, T1A 8R1 (403) 526-3142

PROJECT
DILLY CREEK WELLSITE
SEPARATOR PACKAGE (Z-250)
LSD: d-37-J/94-0-8

TITLE
PIPING LAYOUT

Wo. No.: 35024
DRAWN BY: BJ SYLYSKI
REV. No.: A
DATE: MM/DD/YY 10/20/14
DATE: MM/DD/YY 10/20/14
SCALE: 3/8"=1'-0"
CAD No.: 35024-LAYOUT