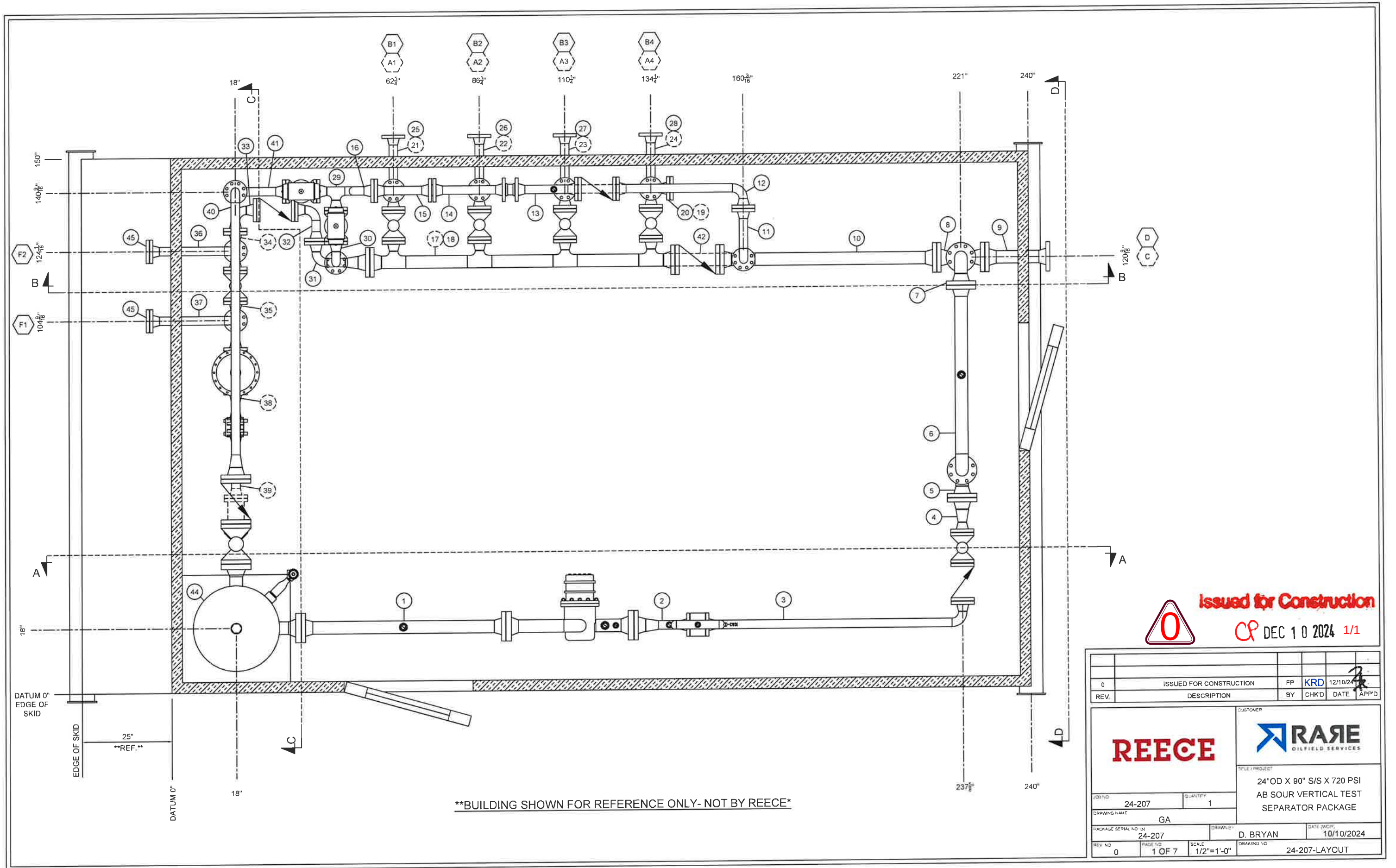
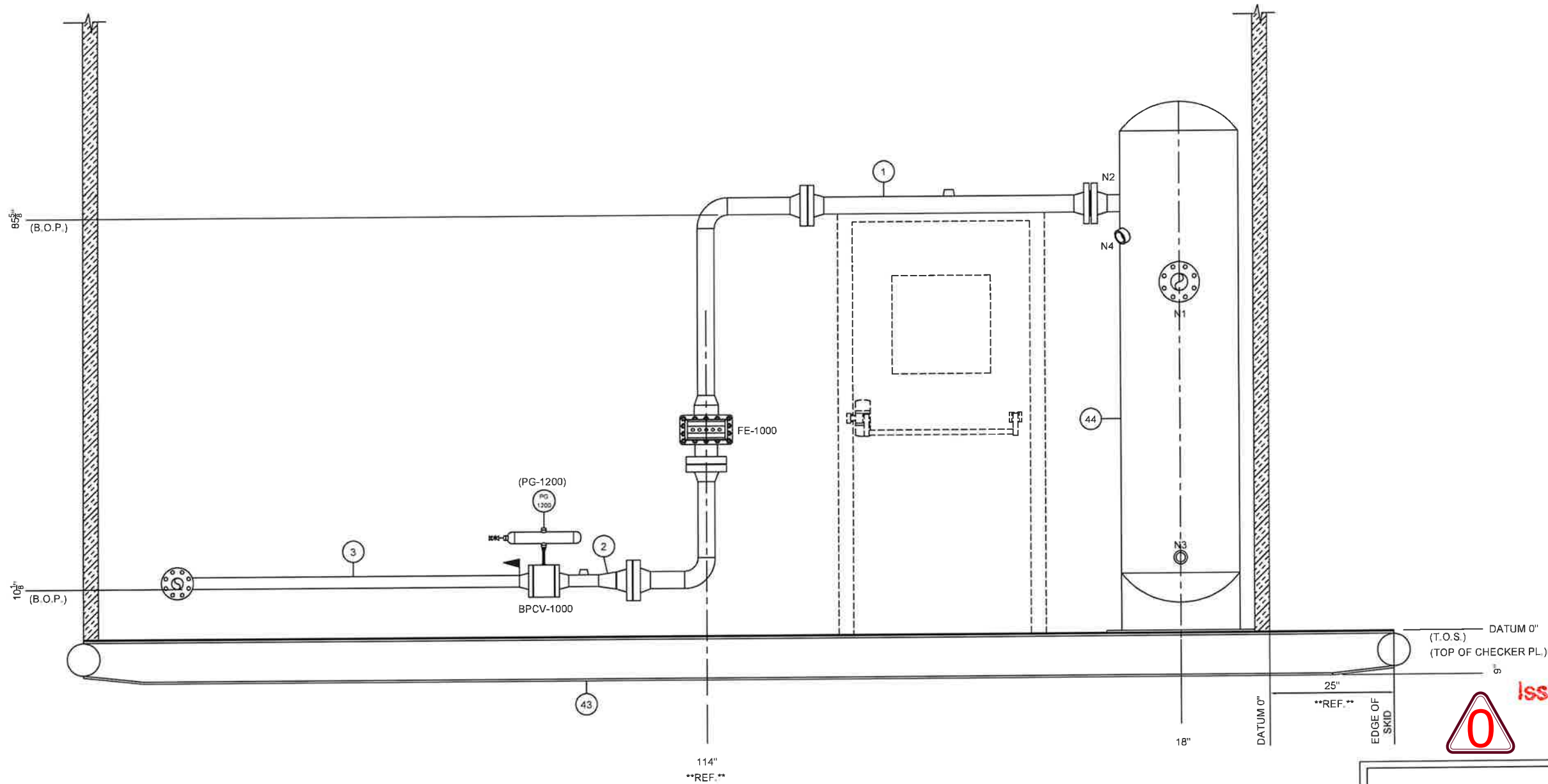






SECTION A-A

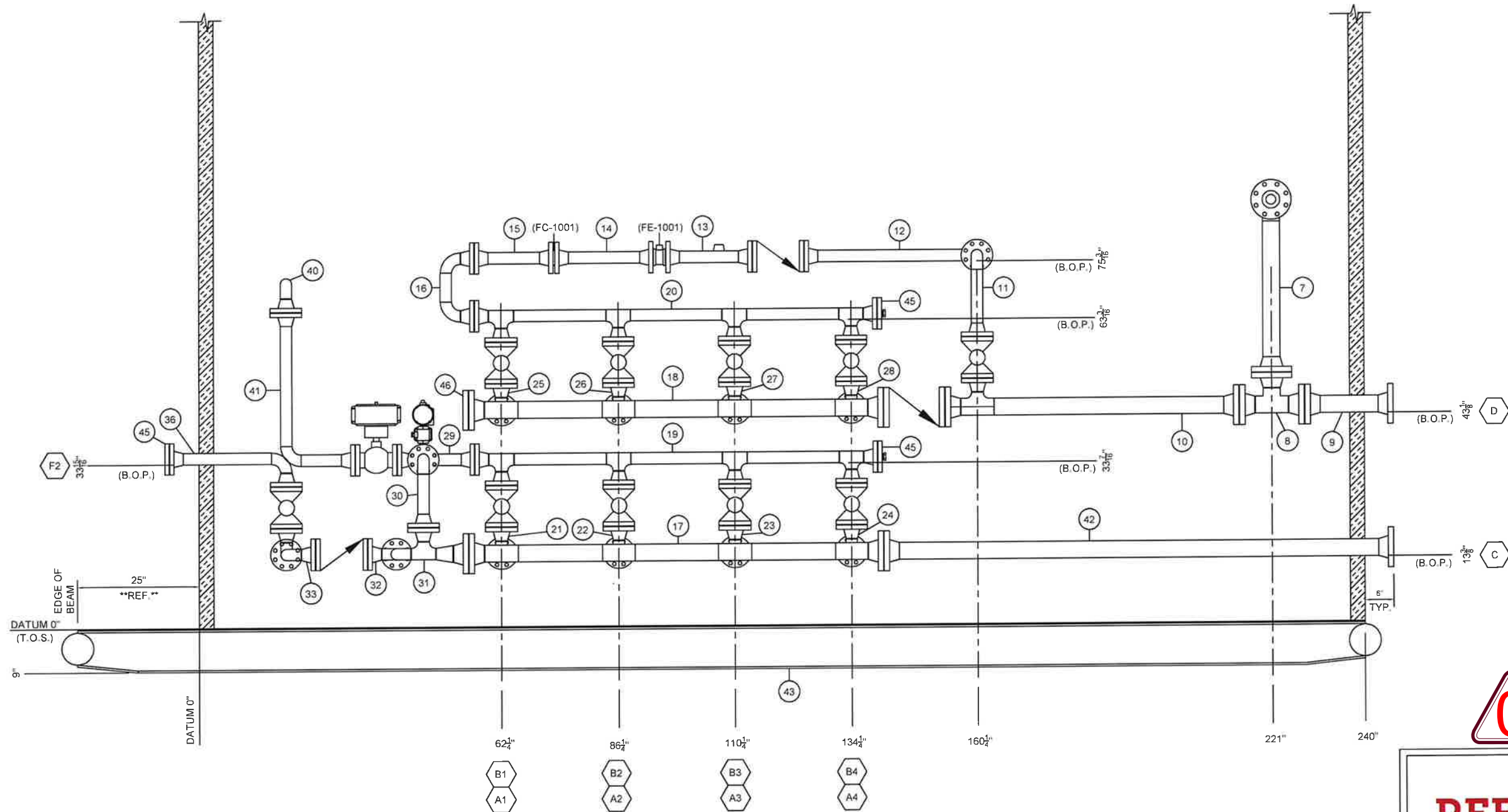
****BUILDING SHOWN FOR REFERENCE ONLY- NOT BY REECE***



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REECE		CUSTOMER	
JOB NO. 24-207		TITLE / PROJECT	
QUANTITY 1		24"OD X 90" S/S X 720 PSI AB SOUR VERTICAL TEST SEPARATOR PACKAGE	
DRAWING NAME GA		DATE (MO/)	
PACKAGE SERIAL NO. (S) 24-207		DRAWN BY F.PATEL	
REV NO 0		10/10/2024	
PAGE NO 2 OF 7		SCALE 1/2"=1'-0"	
		DRAWING NO 24-207-LAYOUT	



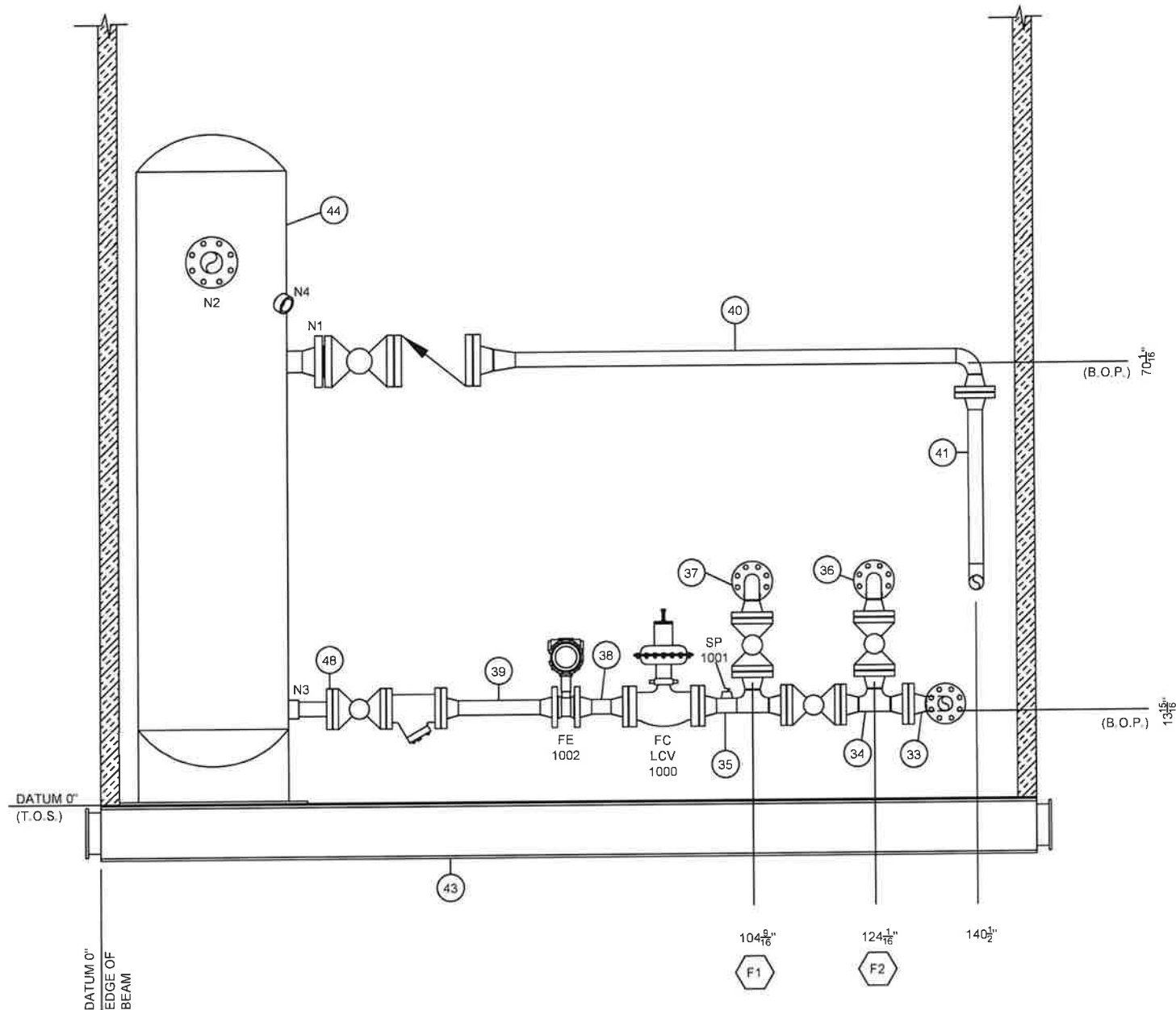
SECTION B-B

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CP DEC 10 2024 1/1

REECE		CUSTOMER RARE OILFIELD SERVICES	
TITLE / PROJECT 24"OD X 90" S/S X 720 PSI AB SOUR VERTICAL TEST SEPARATOR PACKAGE		DATE: 10/10/2024	
JOB NO 24-207	QUANTITY 1	DRAWN BY F.PATEL	
DRAWING NAME GA		DRAWING NO 24-207-LAYOUT	
PACKAGE SERIAL NO (S) 24-207	PAGE NO 3 OF 7	SCALE 1/2"=1'-0"	



SECTION C-C

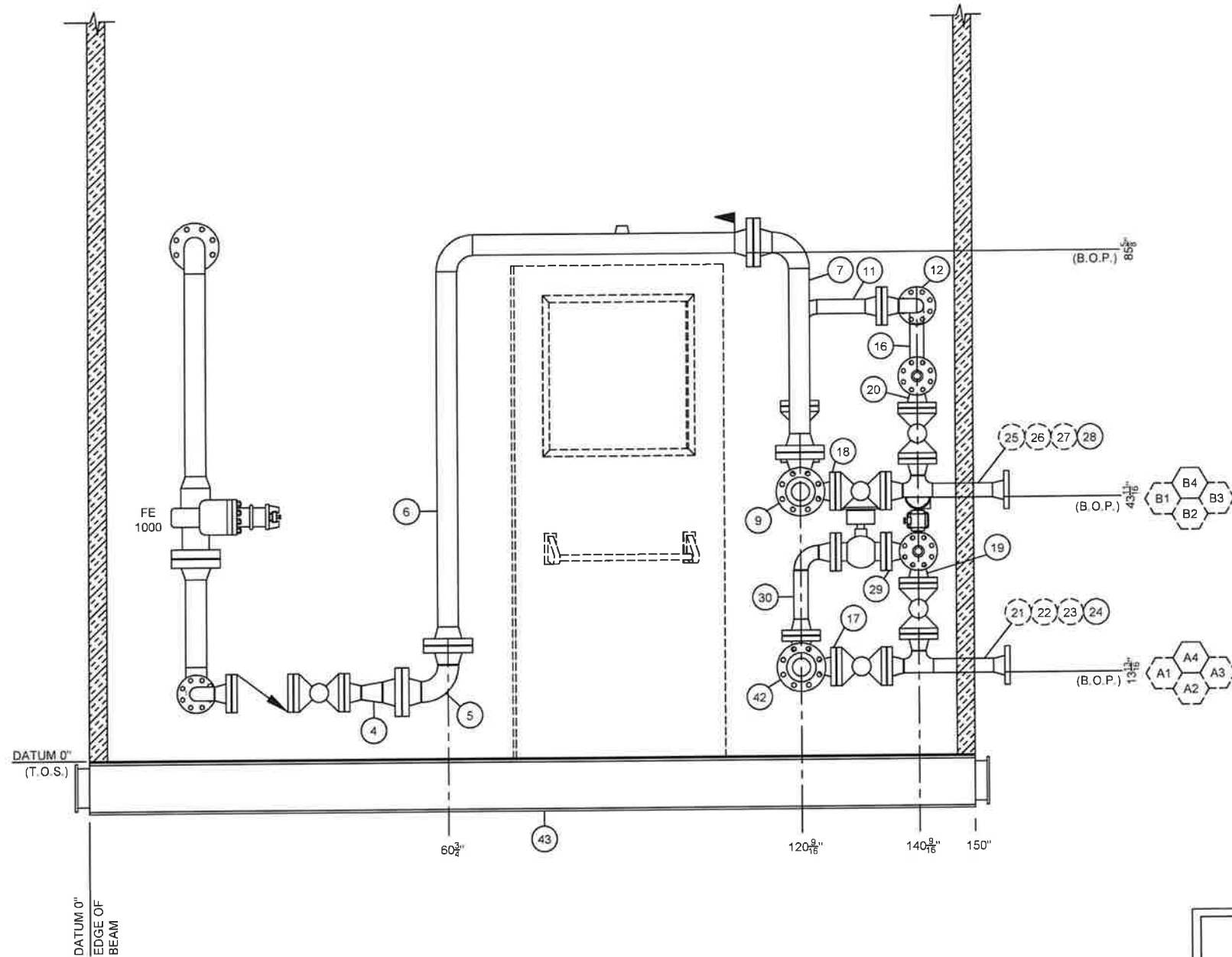
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DEC 10 2024 1/1

REECE			CUSTOMER 		
JOB NO: 24-207			TITLE / PROJECT 24"OD X 90" S/S X 720 PSI AB SOUR VERTICAL TEST SEPARATOR PACKAGE		
DRAWING NAME GA					
PACKAGE SERIAL NO (S) 24-207			DRAWN BY F.PATEL		DATE MOVED 10/10/2024
REV NO 0	PAGE NO 4 OF 7	SCALE 1/2"=1'-0"	DRAWING NO 24-207-LAYOUT		



SECTION D-D

****BUILDING SHOWN FOR REFERENCE ONLY- NOT BY REECE***



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DEC 10 2024 1/1

REECE			
TITLE / PROJECT		24"OD X 90" S/S X 720 PSI AB SOUR VERTICAL TEST SEPARATOR PACKAGE	
JOB NO 24-207	QUANTITY 1		
DRAWING NAME GA			
PACKAGE SERIAL NO (N) 24-207		DRAWN BY F.PATEL	DATE (MM/DD) 10/10/2024
REV NO 0	PAGE NO 5 OF 7	SCALE 1/2"=1'-0"	DRAWING NO 24-207-LAYOUT

PLOTTED DATE: 2024-12-10 8:48:11 AM BY: FENIL PATEL

LAST SAVED DATE: 2024-12-10 8:46:06 AM BY: FPATEL

P:\DRAWINGS\2024\24-207 RARE PACKAGE\1.2 AUTOCAD\24-207-LAYOUT.DWG

ASME B31.3 2022 EDITION									
RATING / FLUID SERVICE: CLASS 300, SOUR, STD TEMP, CLASS "BS"					M.A.W.P.: 720 PSIG (4964 kPa) AT +130°F (+54°C) / -20°F (-29°C)				
C.A.: 0.125" (3.2 mm)		TESTING: HYDRO		TESTING MEDIUM: WATER		TESTING PRESSURE: 1080 PSIG (7447 kPa), 1 HOUR, (2) GAUGES			
BW RADIOGRAPHY: 10%			SW RADIOGRAPHY (GAP): N/A		MT / PT TESTING: 10% FW		HARDNESS TESTING.: 10% (MAX. HARDNESS 200 HBW)		
P.W.H.T.: N/A				NOTES: N/A					
SIZE	TE (THRD) PIPE SCH.	PE (SW) PIPE SCH.	BE (BW) PIPE SCH.	PIPE MATERIAL	FLANGE MATERIAL	THRD / SW FITTING MATERIAL	BW FITTING MATERIAL	THRD FITTING RATING	TOL FITTING RATING
1/2"	SCH. XXS	-	-	SA-106 GRADE B	-	SA-105N	-	CLASS 6000	-
3/4"	SCH. 160	-	-	SA-106 GRADE B	-	SA-105N	-	CLASS 3000	CLASS 6000
1"	SCH. 160	-	-	SA-106 GRADE B	-	SA-105N	-	CLASS 3000	CLASS 6000
1-1/2"	-	-	-	-	-	-	-	-	-
2"	SCH. 160	-	SCH. 80	SA-106 GRADE B	SA-105N	SA-105N	SA-234-WPB	CLASS 3000	-
3"	-	-	SCH. 80	SA-106 GRADE B	SA-105N	-	SA-234-WPB	-	-
4"	-	-	-	-	-	-	-	-	-
6"	-	-	-	-	-	-	-	-	-
8"	-	-	-	-	-	-	-	-	-
10"	-	-	-	-	-	-	-	-	-
12"	-	-	-	-	-	-	-	-	-
14"	-	-	-	-	-	-	-	-	-
16"	-	-	-	-	-	-	-	-	-
18"	-	-	-	-	-	-	-	-	-
20"	-	-	-	-	-	-	-	-	-
22"	-	-	-	-	-	-	-	-	-
24"	-	-	-	-	-	-	-	-	-

RATING / FLUID SERVICE: CLASS 300, SOUR, LOW TEMP, CLASS "BSL"					M.A.W.P.: 720 PSIG (4964 kPa) AT +130°F (+54°C) / -50°F (-45°C)				
C.A.: 0.125" (3.2 mm)		TESTING: HYDRO		TESTING MEDIUM: WATER		TESTING PRESSURE: 1080 PSIG (7447 kPa), 1 HOUR, (2) GAUGES			
BW RADIOGRAPHY: 10%			SW RADIOGRAPHY (GAP): 10%		MT / PT TESTING: 10% FW		HARDNESS TESTING.: 10% (MAX. HARDNESS 200 HBW)		
P.W.H.T.: N/A				NOTES: N/A					
SIZE	TE (THRD) PIPE SCH.	PE (SW) PIPE SCH.	BE (BW) PIPE SCH.	PIPE MATERIAL	FLANGE MATERIAL	THRD / SW FITTING MATERIAL	BW FITTING MATERIAL	THRD FITTING RATING	TOL FITTING RATING
1/2"	-	-	-	-	-	-	-	-	-
3/4"	-	-	-	-	-	-	-	-	-
1"	-	-	-	-	-	-	-	-	-
1-1/2"	-	-	-	-	-	-	-	-	-
2"	-	-	SCH. 80	SA-333 GRADE 6	SA-350-LF2 CLASS 1	-	SA-420-WPL6	-	-
3"	-	-	SCH. 40	SA-333 GRADE 6	SA-350-LF2 CLASS 1	-	SA-420-WPL6	-	-
4"	-	-	-	-	-	-	-	-	-
6"	-	-	-	-	-	-	-	-	-
8"	-	-	-	-	-	-	-	-	-
10"	-	-	-	-	-	-	-	-	-
12"	-	-	-	-	-	-	-	-	-
14"	-	-	-	-	-	-	-	-	-
16"	-	-	-	-	-	-	-	-	-
18"	-	-	-	-	-	-	-	-	-
20"	-	-	-	-	-	-	-	-	-
22"	-	-	-	-	-	-	-	-	-
24"	-	-	-	-	-	-	-	-	-



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			CUSTOMER 	
DRAWING NO 24-207			TITLE / PROJECT 24"OD X 90" S/S X 720 PSI AB SOUR VERTICAL TEST SEPARATOR PACKAGE	
DRAWING NAME LAYOUT - PIPE SPECS				
PACKAGE SERIAL NO. (S) 24-207		DRAWN BY F.PATEL	DATE / MONTH 10/10/2024	
REV NO 0	PAGE NO 6 OF 7	SCALE 1/2"=1'-0"	DRAWING NO 24-207-LAYOUT	

BILL OF MATERIALS				
ITEM	DESCRIPTION	MATERIAL	QTY.	HEAT NUMBER
1	SPOOL 01 - SEE 24-207-SPOOL 01		1	
2	SPOOL 02 - SEE 24-207-SPOOL 02		1	
3	SPOOL 03 - SEE 24-207-SPOOL 03		1	
4	SPOOL 04 - SEE 24-207-SPOOL 04		1	
5	SPOOL 05 - SEE 24-207-SPOOL 05		1	
6	SPOOL 06 - SEE 24-207-SPOOL 06		1	
7	SPOOL 07 - SEE 24-207-SPOOL 07		1	
8	SPOOL 08 - SEE 24-207-SPOOL 08		1	
9	SPOOL 09 - SEE 24-207-SPOOL 09		1	
10	SPOOL 10 - SEE 24-207-SPOOL 10		1	
11	SPOOL 11 - SEE 24-207-SPOOL 11		1	
12	SPOOL 12 - SEE 24-207-SPOOL 12		1	
13	SPOOL 13 - SEE 24-207-SPOOL 13		1	
14	SPOOL 14 - SEE 24-207-SPOOL 14		1	
15	SPOOL 15 - SEE 24-207-SPOOL 15		1	
16	SPOOL 16 - SEE 24-207-SPOOL 16		1	
17	SPOOL 17 - SEE 24-207-SPOOL 17		1	
18	SPOOL 18 - SEE 24-207-SPOOL 18		1	
19	SPOOL 19 - SEE 24-207-SPOOL 19		1	
20	SPOOL 20 - SEE 24-207-SPOOL 20		1	
21	SPOOL 21 - SEE 24-207-SPOOL 21		1	
22	SPOOL 22 - SEE 24-207-SPOOL 22		1	
23	SPOOL 23 - SEE 24-207-SPOOL 23		1	
24	SPOOL 24 - SEE 24-207-SPOOL 24		1	
25	SPOOL 25 - SEE 24-207-SPOOL 25		1	
26	SPOOL 26 - SEE 24-207-SPOOL 26		1	
27	SPOOL 27 - SEE 24-207-SPOOL 27		1	
28	SPOOL 28 - SEE 24-207-SPOOL 28		1	
29	SPOOL 29 - SEE 24-207-SPOOL 29		1	
30	SPOOL 30 - SEE 24-207-SPOOL 30		1	
31	SPOOL 31 - SEE 24-207-SPOOL 31		1	
32	SPOOL 32 - SEE 24-207-SPOOL 32		1	
33	SPOOL 33 - SEE 24-207-SPOOL 33		1	
34	SPOOL 34 - SEE 24-207-SPOOL 34		1	
35	SPOOL 35 - SEE 24-207-SPOOL 35		1	
36	SPOOL 36 - SEE 24-207-SPOOL 36		1	
37	SPOOL 37 - SEE 24-207-SPOOL 37		1	
38	SPOOL 38 - SEE 24-207-SPOOL 38		1	
39	SPOOL 39 - SEE 24-207-SPOOL 39		1	
40	SPOOL 40 - SEE 24-207-SPOOL 40		1	
41	SPOOL 41 - SEE 24-207-SPOOL 41		1	

BILL OF MATERIALS				
ITEM	DESCRIPTION	MATERIAL	QTY.	HEAT NUMBER
42	SPOOL 42 - SEE 24-207-SPOOL 42		1	
43	SKID (PROVIDED BY RARE)		1	
44	VESSEL (PROVIDED BY RARE)		1	
45	RF HUB BLIND, 2" CLASS 300 W/ 1" FNPT	SA-105N	2	
46	RFB, 3" CLASS 300 W/ 1" FNPT	SA-105N	1	
47	RF HUB BLIND, 2" CLASS 300 W/ 1" FNPT	SA-350-LF2-CLASS1	2	
48	RF HUB BLIND 2" CL300 W/ 2" FNPT	SA-105N	1	
49				
50				
51				

GASKETS, STUDS, AND NUTS		
DESCRIPTION	MATERIAL	QTY.
CG SPRLWND GSKT 3" CLASS 300/600 FLEXIBLE GRAPHITE	AISI TYPE 316L SS	19
TORQUE SPEC. (LUBRICATED) - MIN. 100 ft-lbs, MAX. 120 ft-lbs		
CG SPRLWND GSKT 2" CLASS 300/600 FLEXIBLE GRAPHITE		76
TORQUE SPEC. (LUBRICATED) - MIN. 60 ft-lbs, MAX. 70 ft-lbs		
STUD, 3/4" X 5" (3" CL600)	SA-193 B7M	40
STUD, 3/4" X 4-1/4" (3" CL300)	SA-193 B7M	112
STUD, 5/8" X 4-1/4" (2" CL600)	SA-193 B7M	16
STUD, 5/8" X 3-1/2" (2" CL300)	SA-193 B7M	528
STUD, 5/8" X 7-7/8" LONG (BPCV-1000)	SA-193 B7M	8
STUD, 5/8" X 6-1/8" LONG (FLOW METERS)	SA-193 B7M	16
STUD, 5/8" X 3-3/4" LONG (FC-1001)	SA-193 B7M	8
HEX NUT, 3/4"	SA-194-2HM	304
HEX NUT, 5/8"	SA-194-2HM	1152

GENERAL NOTES	
1.	QUALITY CONTROL PROGRAM IS AQP-1464
2.	THREADED PIPING IS RC-1 REV. 1
3.	GENERAL DEVIATION TOLERANCE IS +/- 1/4"
4.	ALL OPENINGS SHALL BE COVERED FOR SHIPPING
5.	SHIP LOOSE ITEMS TO BE PHOTO MAPPED, BOXED AND SEALED PRIOR TO SHIPMENT
6.	PACKAGE TO BE PHOTO-MAPPED PRIOR TO SHIPMENT
7.	PACKAGE SHIPPING POSTER TO BE INSTALLED PRIOR TO SHIPMENT
8.	ALL LOW POINT DRAIN PLUGS TO BE REMOVED AND ATTACHED TO ADJACENT PIPING PRIOR TO SHIPPING. WATER TO BE COMPLETELY REMOVED FROM PACKAGE AFTER PLUGS ARE REMOVED, PLUGS TO BE INSTALLED PRIOR TO PACKAGE START-UP.
9.	ALL PIPING PROJECTIONS TO BE 6" UNLESS OTHERWISE NOTED
10.	APPROXIMATE SHIPPING WEIGHT: ESTIMATED TOTAL= 14000 LBS PIPING AND INSTRUMENT= 6600 LBS VESSEL= 3400 LBS SKID= 4000 LBS
11.	APPROXIMATE SHIPPING DIMENSIONS: 275" L x 160" W x 120" H
12.	SHOP TO LOCATE PIPE SUPPORT(S) WHERE REQUIRED
13.	MATERIALS TO MEET NACE MR0175
14.	THE FOLLOWING MATERIALS MAY BE UPGRADED, AS PER MATERIAL SUBSTITUTION PROCEDURE RC-02-3: A. A36/44W/300W TO SA-516-70N B. SA-105N TO SA-350-LF2 CLASS 1 C. SA-106 GRADE B TO SA-333 GRADE 6 D. SA-234-WPB TO SA-420-WPL6
15.	PAINT SCHEDULE • PAINTED BY OTHERS (OUT OF REECE SCOPE)
16.	VERTICAL DATUM (T.O.S) IS TOP OF CHECKER PLATE HORIZONTAL DATUM IS 25" FROM EDGE OF CHECKER PLATE.
17.	PIPING AND INSTRUMENTS TO BE SUFFICIENTLY SUPPORTED WITH SOLE PLATE WELDED ON THE TOP OF CHECKER PLATE
18.	FINAL REVISION OF IFC DRAWING IS CONSIDERED AS-BUILT

PACKAGE CONNECTION SCHEDULE	
A1-A4	2" RF, CLASS 300, PRODUCED LIQUIDS INLET
B1-B4	2" RF, CLASS 300, PRODUCED GAS INLET
C	3" RF, CLASS 300, PRODUCED LIQUIDS OUTLET
D	3" RF, CLASS 300, PRODUCED GAS OUTLET
E	3" RF, CLASS 150, PSV 1000 VENT OUTLET
F1 / F2	2" RF, CLASS 300 C/W 2" FNPT (PLUGGED), LIQUIDS PROVER OUTLET / INLET
G	1" FNPT, 150 PSI, INSTRUMENT AIR INLET

EXTERNAL PAINTING & PREP.	
SURFACE PREPARATION: N/A	
PRIMER: N/A	
TOP COAT: N/A	
TOP COAT COLOR: N/A	
INSULATION: N/A	
JACKET MATERIAL: N/A	
BANDING: N/A	
OTHER: N/A	
INTERNAL COATING	
SURFACE PREP: N/A	
TOP COAT: N/A	
OTHER: N/A	

			
		24"OD X 90" S/S X 720 PSI AB SOUR VERTICAL TEST SEPARATOR PACKAGE	
JOB NO: 24-207	QUANTITY: 	DRAWING NAME: LAYOUT - BOM & NOTES	PACKAGE SERIAL NO. (B): 24-207
REV NO: 0	PAGE NO: 7 OF 7	DRAWING NO: F.PATEL	DATE (MO/DO): 10/10/2024
1/2"=1'-0"		DRAWING NO: 24-207-LAYOUT	



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