


Line List

CO₂ Capture Facility

Kårstø, Norway

Bechtel Proprietary and Confidential

© 2008 Bechtel Power Corporation. All rights reserved. Bechtel Confidential. Contains information that is confidential and proprietary to Bechtel and may not be used, reproduced or disclosed in any format without Bechtel's prior written permission. This document is prepared exclusively for Gassnova in connection with the preparation of the FEED study for the CO₂ Capture Facility at Karsto, Norway, and is not to be relied upon by others or used in connection with any other project.

0	14 Nov 08	Issued for Approval	VP	MS	BR	WRE		
Rev.	Date	Reason for Revision	By	Check	App	App	Client	
 Bechtel Power Corporation			Job No. 25474		Document No.		Rev.	
			25474 - 000 - MOX - 0000 - 00002				0	
			PAGE 1 of 29					
GASSNOVA			Project No. - Originator - Disc Code - Doc Type - Serial No. 10112936 - PB - P - LCL - 0001					

Unit	Bechtel System Code	Comm Group Code	Seq No.	Line Class	Dia (Inches)	Design Code	Heat Trace	Line Number	P&ID	Service Press (Barg)	Design Press (Barg)	Service Temp (Deg C)	Design Temp (Deg C)	Insulated (Y/N)	Insul Material (MW - Mineral Wool)	Insulation Thickness (Inches)	PaintCode
1	AB	L	1	C1E	36	ASME B31.3	NT	1-AB-L001-C1E-36"	M6-AB-00001	2.2	4.6	270	285	Y	MW	2	Note 1
1	AB	L	2	C1E	24	ASME B31.3	NT	1-AB-L002-C1E-24"	M6-AB-00001	2.2	4.6	270	285	Y	MW	2	Note 1
1	AB	L	3	C1E	24	ASME B31.3	NT	1-AB-L003-C1E-24"	M6-AB-00001	2.2	4.6	270	285	Y	MW	2	Note 1
1	AB	L	4	C1E	18	ASME B31.3	HT	1-AB-L004-C1E-18"	M6-AB-00001	2.2	4.6	270	285	Y	MW	1.5	Note 1
1	AB	L	5	C1E	2	ASME B31.3	HT	1-AB-L005-C1E-2"	M6-AB-00001	2.2	4.6	270	285	Y	MW	1	Note 1
1	AB	L	6	C1E	1	ASME B31.3	HT	1-AB-L006-C1E-1"	M6-AB-00001	2.2	4.6	270	285	Y	MW	1	Note 1
1	AB	L	7	C1E	18	ASME B31.3	HT	1-AB-L007-C1E-18"	M6-AB-00001	2.2	4.6	270	285	Y	MW	1.5	Note 1
1	AB	L	8	C1E	2	ASME B31.3	HT	1-AB-L008-C1E-2"	M6-AB-00001	2.2	4.6	270	285	Y	MW	1	Note 1
1	AB	L	10	C1E	2.5	ASME B31.3	HT	1-AB-L010-C1E-2.5"	M6-AB-00001	8	10	122	154	Y	MW	1	Note 1
1	AB	L	11	C1E	18	ASME B31.3	NT	1-AB-L011-C1E-18"	M6-AB-00001	2.2	4.6	270	285	Y	MW	1.5	Note 1
1	AB	L	12	C1E	10	ASME B31.3	HT	1-AB-L012-C1E-10"	M6-AB-00001	2.2	4.6	270	285	Y	MW	1.5	Note 1
1	AB	L	13	C1E	1.5	ASME B31.3	HT	1-AB-L013-C1E-1.5"	M6-AB-00001	2	4.6	135	285	Y	MW	1	Note 1
1	AB	L	14	C1E	1.5	ASME B31.3	HT	1-AB-L014-C1E-1.5"	M6-AB-00001	2.2	4.6	270	285	Y	MW	1	Note 1
1	AB	L	15	C1E	18	ASME B31.3	NT	1-AB-L015-C1E-18"	M6-AB-00001	2.2	4.6	270	285	Y	MW	1.5	Note 1
1	AB	L	16	C1E	10	ASME B31.3	HT	1-AB-L016-C1E-10"	M6-AB-00001	2.2	4.6	270	285	Y	MW	1.5	Note 1
1	AB	L	17	C1E	1.5	ASME B31.3	HT	1-AB-L017-C1E-1.5"	M6-AB-00001	2.2	4.6	270	285	Y	MW	1	Note 1
1	AB	L	18	C1E	1.5	ASME B31.3	NT	1-AB-L018-C1E-1.5"	M6-AB-00001	2.2	4.6	270	285	Y	MW	1	Note 1
1	AB	L	19	C1E	18	ASME B31.3	NT	1-AB-L019-C1E-18"	M6-AB-00002	2.2	4.6	270	285	Y	MW	1.5	Note 1
1	AB	L	20	C1E	10	ASME B31.3	HT	1-AB-L020-C1E-10"	M6-AB-00002	2.2	4.6	270	285	Y	MW	1.5	Note 1
1	AB	L	21	C1E	1.5	ASME B31.3	HT	1-AB-L021-C1E-1.5"	M6-AB-00002	2.2	4.6	270	285	Y	MW	1	Note 1
1	AB	L	22	C1E	1.5	ASME B31.3	HT	1-AB-L022-C1E-1.5"	M6-AB-00002	2.2	4.6	270	285	Y	MW	1	Note 1
1	AB	L	23	C1E	18	ASME B31.3	NT	1-AB-L023-C1E-18"	M6-AB-00002	2.2	4.6	270	285	Y	MW	1.5	Note 1
1	AB	L	24	C1E	10	ASME B31.3	HT	1-AB-L024-C1E-10"	M6-AB-00002	2.2	4.6	270	285	Y	MW	1.5	Note 1
1	AB	L	25	C1E	1.5	ASME B31.3	HT	1-AB-L025-C1E-1.5"	M6-AB-00002	2.2	4.6	270	285	Y	MW	1	Note 1
1	AB	L	26	C1E	1.5	ASME B31.3	HT	1-AB-L026-C1E-1.5"	M6-AB-00002	2.2	4.6	270	285	Y	MW	1	Note 1
1	AB	L	27	C1E	2	ASME B31.3	HT	1-AB-L027-C1E-2"	M6-AB-00002	2.2	4.6	270	285	Y	MW	1	Note 1
1	AB	L	28	C1E	4	ASME B31.3	HT	1-AB-L028-C1E-4"	M6-AB-00002	2.2	4.6	270	285	Y	MW	1	Note 1
1	AB	L	29	C1E	2	ASME B31.3	HT	1-AB-L029-C1E-2"	M6-AB-00002	2.2	4.6	270	285	Y	MW	1	Note 1
1	AB	L	30	C1E	1	ASME B31.3	HT	1-AB-L030-C1E-1"	M6-AB-00002	2.2	4.6	270	285	Y	MW	1	Note 1
1	AB	L	31	C1E	1	ASME B31.3	NT	1-AB-L031-C1E-1"	M6-AB-00002	2.2	4.6	270	285	Y	MW	1	Note 1
1	AB	L	32	C1E	1	ASME B31.3	HT	1-AB-L032-C1E-1"	M6-AB-00002	2.2	4.6	270	285	Y	MW	1	Note 1
1	AB	L	33	C1E	1	ASME B31.3	NT	1-AB-L033-C1E-1"	M6-AB-00002	2.2	4.6	270	285	Y	MW	1	Note 1
1	AB	L	34	C1E	2	ASME B31.3	HT	1-AB-L034-C1E-2"	M6-AB-00002	2.2	4.6	270	285	Y	MW	1	Note 1
1	AB	L	35	C1E	1	ASME B31.3	HT	1-AB-L035-C1E-1"	M6-AB-00002	2.2	4.6	270	285	Y	MW	1	Note 1
1	AB	L	36	C1E	1	ASME B31.3	HT	1-AB-L036-C1E-1"	M6-AB-00002	2.2	4.6	270	285	Y	MW	1	Note 1
1	AB	L	37	C1E	1	ASME B31.3	HT	1-AB-L037-C1E-1"	M6-AB-00002	2.2	4.6	270	285	Y	MW	1	Note 1
1	AB	L	38	C1E	1	ASME B31.3	HT	1-AB-L038-C1E-1"	M6-AB-00002	2.2	4.6	270	285	Y	MW	1	Note 1
1	AB	L	39	C1E	14	ASME B31.3	NT	1-AB-L039-C1E-14"	M6-AB-00001	2.2	4.6	270	285	Y	MW	1.5	Note 1
1	AB	L	40	C1E	40	ASME B31.3	NT	1-AB-L040-C1E-40"	M6-AB-00001	2.2	4.6	270	285	Y	MW	2	Note 1

Unit	Bechtel System Code	Comm Group Code	Seq No.	Line Class	Dia (inches)	Design Code	Heat Trace	Line Number	P&ID	Service Press (Barg)	Design Press (Barg)	Service Temp (Deg C)	Design Temp (Deg C)	Insulated (Y/N)	Insul Material (MW - Mineral Wool)	Insulation Thickness (inches)	PaintCode
1	AB	L	41	C1E	14	ASME B31.3	NT	1-AB-L041-C1E-14"	M6-AB-00001	2.2	4.6	270	285	Y	MW	1.5	Note 1
1	AB	L	42	C1E	14	ASME B31.3	NT	1-AB-L042-C1E-14"	M6-AB-00001	2.2	4.6	270	285	Y	MW	1.5	Note 1
1	AB	L	43	C1E	10	ASME B31.3	HT	1-AB-L043-C1E-10"	M6-AB-00001	2.2	4.6	270	285	Y	MW	1.5	Note 1
1	AB	L	44	C1E	1.5	ASME B31.3	HT	1-AB-L044-C1E-1.5"	M6-AB-00001	2.2	4.6	270	285	Y	MW	1	Note 1
1	AB	L	45	C1E	1.5	ASME B31.3	HT	1-AB-L045-C1E-1.5"	M6-AB-00001	2.2	4.6	270	285	Y	MW	1	Note 1
1	AB	L	46	C1E	14	ASME B31.3	NT	1-AB-L046-C1E-14"	M6-AB-00002	2.2	4.6	270	285	Y	MW	1.5	Note 1
1	AB	L	47	C1E	14	ASME B31.3	NT	1-AB-L047-C1E-14"	M6-AB-00002	2.2	4.6	270	285	Y	MW	1.5	Note 1
1	AB	L	48	C1E	14	ASME B31.3	NT	1-AB-L048-C1E-14"	M6-AB-00002	2.2	4.6	270	285	Y	MW	1.5	Note 1
1	AB	L	49	C1E	14	ASME B31.3	NT	1-AB-L049-C1E-14"	M6-AB-00002	2.2	4.6	270	285	Y	MW	1.5	Note 1
1	AB	L	50	C1E	10	ASME B31.3	HT	1-AB-L050-C1E-10"	M6-AB-00002	2.2	4.6	270	285	Y	MW	1.5	Note 1
1	AB	L	51	C1E	1.5	ASME B31.3	HT	1-AB-L051-C1E-1.5"	M6-AB-00002	2.2	4.6	270	285	Y	MW	1	Note 1
1	AB	L	52	C1E	1.5	ASME B31.3	HT	1-AB-L052-C1E-1.5"	M6-AB-00002	2.2	4.6	270	285	Y	MW	1	Note 1
1	AB	L	53	C1E	2	ASME B31.3	HT	1-AB-L053-C1E-2"	M6-AB-00001	2.2	4.6	270	285	Y	MW	1	Note 1
1	AB	L	56	C1E	1	ASME B31.3	HT	1-AB-L056-C1E-1"	M6-AB-00002	2.2	4.6	270	285	Y	MW	1	Note 1
1	AB	L	57	C1E	1.5	ASME B31.3	HT	1-AB-L057-C1E-1.5"	M6-AB-00002	2.2	4.6	270	285	Y	MW	1	Note 1
1	AB	L	59	C1E	1	ASME B31.3	HT	1-AB-L059-C1E-1"	M6-AB-00002	2.2	4.6	270	285	Y	MW	1	Note 1
1	AB	L	61	C1E	6	ASME B31.3	HT	1-AB-L061-C1E-6"	M6-AB-00003	7	14	165	205	Y	MW	1	Note 1
1	AB	L	63	C1E	6	ASME B31.3	HT	1-AB-L063-C1E-6"	M6-AB-00003	7	14	165	205	Y	MW	1	Note 1
1	AB	L	64	C1E	1	ASME B31.3	HT	1-AB-L064-C1E-1"	M6-AB-00003	7	14	165	205	Y	MW	1	Note 1
1	AB	L	65	C1E	6	ASME B31.3	HT	1-AB-L065-C1E-6"	M6-AB-00003	7	14	165	205	Y	MW	1	Note 1
1	AB	L	66	C1E	1	ASME B31.3	HT	1-AB-L066-C1E-1"	M6-AB-00003	7	14	165	205	Y	MW	1	Note 1
1	AB	L	67	C1E	1	ASME B31.3	HT	1-AB-L067-C1E-1"	M6-AB-00003	7	14	165	205	Y	MW	1	Note 1
1	AB	L	69	C1E	1	ASME B31.3	HT	1-AB-L069-C1E-1"	M6-AB-00003	7	14	165	205	Y	MW	1	Note 1
1	AB	L	71	C1E	3	ASME B31.3	HT	1-AB-L071-C1E-3"	M6-AB-00003	7	14	165	205	Y	MW	1	Note 1
1	AB	L	72	C1E	1	ASME B31.3	HT	1-AB-L072-C1E-1"	M6-AB-00003	7	14	165	205	Y	MW	1	Note 1
1	AB	L	73	C1E	1	ASME B31.3	HT	1-AB-L073-C1E-1"	M6-AB-00003	7	14	165	205	Y	MW	1	Note 1
1	BA	L	1	S6E	4	ASME B31.3	HT	1-BA-L001-S6E-4"	M6-BA-00002	30	40	50	60	Y	MW	1	Note 1
1	BA	L	2	S6E	4	ASME B31.3	HT	1-BA-L002-S6E-4"	M6-BA-00002	30	40	50	60	Y	MW	1	Note 1
1	BA	L	3	S6E	2	ASME B31.3	HT	1-BA-L003-S6E-2"	M6-BA-00002	30	40	50	60	Y	MW	1	Note 1
1	BA	L	4	S6E	1.5	ASME B31.3	HT	1-BA-L004-S6E-1.5"	M6-BA-00002	30	40	50	60	Y	MW	1	Note 1
1	BA	L	5	S6E	1.5	ASME B31.3	HT	1-BA-L005-S6E-1.5"	M6-BA-00002	30	40	50	60	Y	MW	1	Note 1
1	BA	L	6	S6E	1.5	ASME B31.3	HT	1-BA-L006-S6E-1.5"	M6-BA-00002	30	40	50	60	Y	MW	1	Note 1
1	BA	L	7	S6E	1.5	ASME B31.3	HT	1-BA-L007-S6E-1.5"	M6-BA-00002	30	40	50	60	Y	MW	1	Note 1
1	BA	L	11	S1D	8	ASME B31.1	HT	1-BA-L011-S1D-8"	M6-BA-00001	0.5	1	50	60	Y	MW	1	Note 1
1	BA	L	12	S1D	8	ASME B31.1	HT	1-BA-L012-S1D-8"	M6-BA-00001	0.5	1	50	60	Y	MW	1	Note 1
1	BA	L	13	S1D	3	ASME B31.1	HT	1-BA-L013-S1D-3"	M6-BA-00001	0.5	1	50	60	Y	MW	1	Note 1
1	BA	L	14	S1D	3	ASME B31.1	HT	1-BA-L014-S1D-3"	M6-BA-00001	0.5	1	50	60	Y	MW	1	Note 1
1	BA	L	15	S1D	3	ASME B31.1	HT	1-BA-L015-S1D-3"	M6-BA-00001	0.5	1	50	60	Y	MW	1	Note 1
1	BA	L	16	S1D	3	ASME B31.1	HT	1-BA-L016-S1D-3"	M6-BA-00001	0.5	1	50	60	Y	MW	1	Note 1

Unit	Bechtel System Code	Comm Group Code	Seq No.	Line Class	Dia (inches)	Design Code	Heat Trace	Line Number	P&ID	Service Press (Barg)	Design Press (Barg)	Service Temp (Deg C)	Design Temp (Deg C)	Insulated (Y/N)	Insul Material (MW - Mineral Wool)	Insulation Thickness (inches)	PaintCode
1	CN	L	101	S1E	14	ASME B31.3	HT	1-CN-L101-S1E-14"	M6-CN-00010	0.1	0.1	56	100	Y	MW	1	Note 1
1	CN	L	102	S1E	6	ASME B31.3	HT	1-CN-L102-S1E-6"	M6-CN-00085	5.9	11.0	60	142	Y	MW	1	Note 1
1	CN	L	103	S1E	24	ASME B31.3	HT	1-CN-L103-S1E-24"	M6-CN-00010	0.2	0.7	53	100	Y	MW	1	Note 1
1	CN	L	104	S1E	20	ASME B31.3	HT	1-CN-L104-S1E-20"	M6-CN-00020	2.7	3.0	54	100	Y	MW	1	Note 1
1	CN	L	105	S1E	20	ASME B31.3	HT	1-CN-L105-S1E-20"	M6-CN-00020	2.7	3.0	54	100	Y	MW	1	Note 1
1	CN	L	106	S1E	24	ASME B31.3	HT	1-CN-L106-S1E-24"	M6-CN-00020	2.7	3.0	54	100	Y	MW	1	Note 1
1	CN	L	107	S1E	16	ASME B31.3	HT	1-CN-L107-S1E-16"	M6-CN-00030	1.7	3.5	53	100	Y	MW	1	Note 1
1	CN	L	108	S1E	4	ASME B31.3	HT	1-CN-L108-S1E-4"	M6-CN-00180	3.4	15.3	20	80	Y	MW	1	Note 1
1	CN	L	111	S1E	2	ASME B31.3	HT	1-CN-L111-S1E-2"	M6-CN-00010	0.2	0.7	53	100	Y	MW	1	Note 1
1	CN	L	112	S1E	2	ASME B31.3	HT	1-CN-L112-S1E-2"	M6-CN-00010	0.2	0.7	53	100	Y	MW	1	Note 1
1	CN	L	113	S1E	2	ASME B31.3	HT	1-CN-L113-S1E-2"	M6-CN-00010	0.2	0.7	53	100	Y	MW	1	Note 1
1	CN	L	114	S1E	24	ASME B31.3	HT	1-CN-L114-S1E-24"	M6-CN-00010	0.2	0.7	53	100	Y	MW	1	Note 1
1	CN	L	115	S1E	10	ASME B31.3	HT	1-CN-L115-S1E-10"	M6-CN-00010	Atm	0.7	53	Amb	Y	MW	1	Note 1
1	CN	L	116	S1E	6	ASME B31.3	HT	1-CN-L116-S1E-6"	M6-CN-00120	1.3	4.7	128	160	Y	MW	1	Note 1
1	CN	L	118	S1E	14	ASME B31.3	HT	1-CN-L118-S1E-14"	M6-CN-00050	0.1	0.1	56	100	Y	MW	1	Note 1
1	CN	L	119	S1E	6	ASME B31.3	HT	1-CN-L119-S1E-6"	M6-CN-00085	5.2	-	59	-	Y	MW	1	Note 1
1	CN	L	120	S1E	24	ASME B31.3	HT	1-CN-L120-S1E-24"	M6-CN-00050	0.2	0.7	53	100	Y	MW	1	Note 1
1	CN	L	121	S1E	20	ASME B31.3	HT	1-CN-L121-S1E-20"	M6-CN-00060	2.7	3.0	54	100	Y	MW	1	Note 1
1	CN	L	122	S1E	20	ASME B31.3	HT	1-CN-L122-S1E-20"	M6-CN-00060	2.7	3.0	54	100	Y	MW	1	Note 1
1	CN	L	123	S1E	24	ASME B31.3	HT	1-CN-L123-S1E-24"	M6-CN-00060	2.7	3.0	54	100	Y	MW	1	Note 1
1	CN	L	124	S1E	16	ASME B31.3	HT	1-CN-L124-S1E-16"	M6-CN-00070	12.4	15.0	53	100	Y	MW	1	Note 1
1	CN	L	127	S1E	2	ASME B31.3	HT	1-CN-L127-S1E-2"	M6-CN-00050	0.2	0.7	53	100	Y	MW	1	Note 1
1	CN	L	128	S1E	2	ASME B31.3	HT	1-CN-L128-S1E-2"	M6-CN-00050	0.2	0.7	53	100	Y	MW	1	Note 1
1	CN	L	129	S1E	2	ASME B31.3	HT	1-CN-L129-S1E-2"	M6-CN-00050	0.2	0.7	53	100	Y	MW	1	Note 1
1	CN	L	132	S1E	10	ASME B31.3	HT	1-CN-L132-S1E-10"	M6-CN-00050	Atm	0.7	53	100	Y	MW	1	Note 1
1	CN	L	133	S1E	18	ASME B31.3	HT	1-CN-L133-S1E-18"	M6-CN-00084	14.5	20.8	120	160	Y	MW	1	Note 1
1	CN	L	135	S1E	48	ASME B31.3	HT	1-CN-L135-S1E-48"	M6-CN-00150	1.3	4.7	130	270	Y	MW	1	Note 1
1	CN	L	136	S1E	48	ASME B31.3	HT	1-CN-L136-S1E-48"	M6-CN-00150	1.3	4.7	130	270	Y	MW	1	Note 1
1	CN	L	137	S1E	48	ASME B31.3	HT	1-CN-L137-S1E-48"	M6-CN-00160	1.3	4.7	128	270	Y	MW	1	Note 1
1	CN	L	138	S1E	48	ASME B31.3	HT	1-CN-L138-S1E-48"	M6-CN-00160	1.3	4.7	128	270	Y	MW	1	Note 1
1	CN	L	139	S1E	8	ASME B31.3	HT	1-CN-L139-S1E-8"	M6-CN-00180	1.4	5.4	170	200	Y	MW	1	Note 1
1	CN	L	140	S1E	30	ASME B31.3	HT	1-CN-L140-S1E-30"	M6-CN-00120	1.3	4.7	128	160	Y	MW	1	Note 1
1	CN	L	141	S1E	24	ASME B31.3	HT	1-CN-L141-S1E-24"	M6-CN-00120	1.3	4.7	128	160	Y	MW	1	Note 1
1	CN	L	142	S1E	14	ASME B31.3	HT	1-CN-L142-S1E-14"	M6-CN-00120	1.3	4.7	128	160	Y	MW	1	Note 1
1	CN	L	143	S1E	14	ASME B31.3	HT	1-CN-L143-S1E-14"	M6-CN-00120	1.3	4.7	128	160	Y	MW	1	Note 1
1	CN	L	144	S1E	14	ASME B31.3	HT	1-CN-L144-S1E-14"	M6-CN-00120	1.3	4.7	128	160	Y	MW	1	Note 1
1	CN	L	145	S1E	14	ASME B31.3	HT	1-CN-L145-S1E-14"	M6-CN-00120	1.3	4.7	128	160	Y	MW	1	Note 1
1	CN	L	146	S1E	10	ASME B31.3	HT	1-CN-L146-S1E-10"	M6-CN-00120	1.3	4.7	128	160	Y	MW	1	Note 1
1	CN	L	147	S1E	18	ASME B31.3	HT	1-CN-L147-S1E-18"	M6-CN-00120	9.7	4.7	117	160	Y	MW	1	Note 1

Unit	Bechtel System Code	Comm Group Code	Seq No.	Line Class	Dia (inches)	Design Code	Heat Trace	Line Number	P&ID	Service Press (Barg)	Design Press (Barg)	Service Temp (Deg C)	Design Temp (Deg C)	Insulated (Y/N)	Insul Material (MW - Mineral Wool)	Insulation Thickness (inches)	PaintCode
1	CN	L	148	S1E	2	ASME B31.3	HT	1-CN-L148-S1E-2"	M6-CN-00120	1.3	4.7	128	160	Y	MW	1	Note 1
1	CN	L	149	S1E	2	ASME B31.3	HT	1-CN-L149-S1E-2"	M6-CN-00120	1.3	4.7	128	160	Y	MW	1	Note 1
1	CN	L	151	S1E	40	ASME B31.3	-	1-CN-L151-S1E-40"	M6-CN-00130	2.0	3.5	105	160	N		1	Note 2
1	CN	L	152	S1E	36	ASME B31.3	HT	1-CN-L152-S1E-36"	M6-CN-00130	1.0	3.5	49	160	Y	MW	1	Note 1
1	CN	L	153	S1E	2	ASME B31.3	HT	1-CN-L153-S1E-2"	M6-CN-00140	4.2	10.8	49	105	Y	MW	1	Note 1
1	CN	L	155	S1E	14	ASME B31.3	HT	1-CN-L155-S1E-14"	M6-CN-00120	1.3	4.7	128	160	Y	MW	1	Note 1
1	CN	L	156	S1E	10	ASME B31.3	HT	1-CN-L156-S1E-10"	M6-CN-00120	1.3	4.7	128	160	Y	MW	1	Note 1
1	CN	L	157	S1E	4	ASME B31.3	HT	1-CN-L157-S1E-4"	M6-CN-00120	1.3	4.7	128	160	Y	MW	1	Note 1
1	CN	L	158	S1E	20	ASME B31.3	-	1-CN-L158-S1E-20"	M6-CN-00130	2.0	3.5	105	160	N		1	Note 2
1	CN	L	159	S1E	20	ASME B31.3	-	1-CN-L159-S1E-20"	M6-CN-00130	2.0	3.5	105	160	N		1	Note 2
1	CN	L	160	S1E	20	ASME B31.3	-	1-CN-L160-S1E-20"	M6-CN-00130	2.0	3.5	105	160	N		1	Note 2
1	CN	L	161	S1E	20	ASME B31.3	-	1-CN-L161-S1E-20"	M6-CN-00130	2.0	3.5	105	160	N		1	Note 2
1	CN	L	162	S1E	24	ASME B31.3	HT	1-CN-L162-S1E-24"	M6-CN-00120	9.7	4.7	117	160	Y	MW	1	Note 1
1	CN	L	164	S1E	10	ASME B31.3	HT	1-CN-L164-S1E-10"	M6-CN-00150	1.3	4.7	128	160	Y	MW	1	Note 1
1	CN	L	165	S1E	10	ASME B31.3	HT	1-CN-L165-S1E-10"	M6-CN-00150	1.3	4.7	128	160	Y	MW	1	Note 1
1	CN	L	166	S1E	10	ASME B31.3	HT	1-CN-L166-S1E-10"	M6-CN-00160	1.3	4.7	128	160	Y	MW	1	Note 1
1	CN	L	167	S1E	10	ASME B31.3	HT	1-CN-L167-S1E-10"	M6-CN-00160	1.3	4.7	128	160	Y	MW	1	Note 1
1	CN	L	168	S1E	34	ASME B31.3	HT	1-CN-L168-S1E-34"	M6-CN-00150	1.3	4.7	130	270	Y	MW	1	Note 1
1	CN	L	169	S1E	34	ASME B31.3	HT	1-CN-L169-S1E-34"	M6-CN-00150	1.3	4.7	130	160	Y	MW	1	Note 1
1	CN	L	170	S1E	34	ASME B31.3	HT	1-CN-L170-S1E-34"	M6-CN-00160	1.3	4.7	128	270	Y	MW	1	Note 1
1	CN	L	171	S1E	34	ASME B31.3	HT	1-CN-L171-S1E-34"	M6-CN-00160	1.3	4.7	128	270	Y	MW	1	Note 1
1	CN	L	172	S1E	10	ASME B31.3	HT	1-CN-L172-S1E-10"	M6-CN-00085	5.9	11.0	60	142	Y	MW	1	Note 1
1	CN	L	173	S1E	10	ASME B31.3	HT	1-CN-L173-S1E-10"	M6-CN-00170	1.3	3.5	130	160	Y	MW	1	Note 1
1	CN	L	176	S1E	4	ASME B31.3	HT	1-CN-L176-S1E-4"	M6-CN-00130	1.8	3.5	49	160	Y	MW	1	Note 1
1	CN	L	177	S1E	4	ASME B31.3	HT	1-CN-L177-S1E-4"	M6-CN-00130	1.8	3.5	49	160	Y	MW	1	Note 1
1	CN	L	178	S1E	4	ASME B31.3	HT	1-CN-L178-S1E-4"	M6-CN-00130	1.8	3.5	49	160	Y	MW	1	Note 1
1	CN	L	179	S1E	4	ASME B31.3	HT	1-CN-L179-S1E-4"	M6-CN-00130	1.8	3.5	49	160	Y	MW	1	Note 1
1	CN	L	180	S1E	20	ASME B31.3	HT	1-CN-L180-S1E-20"	M6-CN-00130	1.8	3.5	49	160	Y	MW	1	Note 1
1	CN	L	181	S1E	20	ASME B31.3	HT	1-CN-L181-S1E-20"	M6-CN-00130	1.8	3.5	49	160	Y	MW	1	Note 1
1	CN	L	182	S1E	20	ASME B31.3	HT	1-CN-L182-S1E-20"	M6-CN-00130	1.8	3.5	49	160	Y	MW	1	Note 1
1	CN	L	183	S1E	20	ASME B31.3	HT	1-CN-L183-S1E-20"	M6-CN-00130	1.8	3.5	49	160	Y	MW	1	Note 1
1	CN	L	184	S1E	2	ASME B31.3	HT	1-CN-L184-S1E-2"	M6-CN-00120	1.3	4.7	128	160	Y	MW	1	Note 1
1	CN	L	185	S1E	4	ASME B31.3	HT	1-CN-L185-S1E-4"	M6-CN-00120	1.3	4.7	128	160	Y	MW	1	Note 1
1	CN	L	187	S1E	2	ASME B31.3	HT	1-CN-L187-S1E-2"	M6-CN-00120	1.3	4.7	128	160	Y	MW	1	Note 1
1	CN	L	188	S1E	4	ASME B31.3	HT	1-CN-L188-S1E-4"	M6-CN-00130	2.0	3.5	105	160	Y	MW	1	Note 1
1	CN	L	189	S1E	4	ASME B31.3	HT	1-CN-L189-S1E-4"	M6-CN-00130	2.0	3.5	105	160	Y	MW	1	Note 1
1	CN	L	190	S1E	4	ASME B31.3	HT	1-CN-L190-S1E-4"	M6-CN-00130	2.0	3.5	105	160	Y	MW	1	Note 1
1	CN	L	191	S1E	4	ASME B31.3	HT	1-CN-L191-S1E-4"	M6-CN-00130	2.0	3.5	105	160	Y	MW	1	Note 1
1	CN	L	221	S1E	24	ASME B31.3	HT	1-CN-L221-S1E-24"	M6-CN-00030	2.7	3.0	54	100	Y	MW	1	Note 1

Unit	Bechtel System Code	Comm Group Code	Seq No.	Line Class	Dia (inches)	Design Code	Heat Trace	Line Number	P&ID	Service Press (Barg)	Design Press (Barg)	Service Temp (Deg C)	Design Temp (Deg C)	Insulated (Y/N)	Insul Material (MW - Mineral Wool)	Insulation Thickness (inches)	PaintCode
1	CN	L	222	S1E	16	ASME B31.3	HT	1-CN-L222-S1E-16"	M6-CN-00030	12.4	15.0	53	100	Y	MW	1	Note 1
1	CN	L	223	S1E	16	ASME B31.3	HT	1-CN-L223-S1E-16"	M6-CN-00030	12.4	15.0	53	100	Y	MW	1	Note 1
1	CN	L	226	S1E	6	ASME B31.3	HT	1-CN-L226-S1E-6"	M6-CN-00030	1.7	3.5	53	100	Y	MW	1	Note 1
1	CN	L	227	S1E	24	ASME B31.3	HT	1-CN-L227-S1E-24"	M6-CN-00070	2.7	3.0	54	100	Y	MW	1	Note 1
1	CN	L	228	S1E	16	ASME B31.3	HT	1-CN-L228-S1E-16"	M6-CN-00070	12.4	15.0	53	100	Y	MW	1	Note 1
1	CN	L	229	S1E	16	ASME B31.3	HT	1-CN-L229-S1E-16"	M6-CN-00070	12.4	15.0	53	100	Y	MW	1	Note 1
1	CN	L	232	S1E	6	ASME B31.3	HT	1-CN-L232-S1E-6"	M6-CN-00070	12.4	15.0	53	100	Y	MW	1	Note 1
1	CN	L	233	S1E	6	ASME B31.3	-	1-CN-L233-S1E-6"	M6-CN-00140	0.7	3.5	49	105	N			Note 2
1	CN	L	234	S1E	6	ASME B31.3	HT	1-CN-L234-S1E-6"	M6-CN-00140	0.7	3.5	49	105	Y	MW	1	Note 1
1	CN	L	235	S1E	6	ASME B31.3	HT	1-CN-L235-S1E-6"	M6-CN-00140	0.7	3.5	49	105	Y	MW	1	Note 1
1	CN	L	237	S1E	4	ASME B31.3	HT	1-CN-L237-S1E-4"	M6-CN-00140	4.2	10.8	49	105	Y	MW	1	Note 1
1	CN	L	238	S1E	4	ASME B31.3	HT	1-CN-L238-S1E-4"	M6-CN-00140	4.2	10.8	49	105	Y	MW	1	Note 1
1	CN	L	239	S1E	10	ASME B31.3	HT	1-CN-L239-S1E-10"	M6-CN-00170	1.3	3.5	130	160	Y	MW	1	Note 1
1	CN	L	241	S1E	8	ASME B31.3	HT	1-CN-L241-S1E-8"	M6-CN-00040	1.7	3.5	53	100	Y	MW	1	Note 1
1	CN	L	242	S3E	8	ASME B31.3	HT	1-CN-L242-S3E-8"	M6-CN-00045	16.5	20.8	54	100	Y	MW	1	Note 1
1	CN	L	243	S1E	8	ASME B31.3	HT	1-CN-L243-S1E-8"	M6-CN-00045	1.7	3.5	53	100	Y	MW	1	Note 1
1	CN	L	244	S1E	1	ASME B31.3	HT	1-CN-L244-S1E-1"	M6-CN-00040	Atm	0.7	Amb	Amb	Y	MW	1	Note 1
1	CN	L	245	S1E	24	ASME B31.3	HT	1-CN-L245-S1E-24"	M6-CN-00040	0.4	0.7	53	100	Y	MW	1	Note 1
1	CN	L	246	S3E	14	ASME B31.3	HT	1-CN-L246-S3E-14"	M6-CN-00045	16.5	20.8	54	100	Y	MW	1	Note 1
1	CN	L	247	S3E	14	ASME B31.3	HT	1-CN-L247-S3E-14"	M6-CN-00040	16.5	20.8	54	100	Y	MW	1	Note 1
1	CN	L	248	S3E	14	ASME B31.3	HT	1-CN-L248-S3E-14"	M6-CN-00040	16.5	20.8	54	100	Y	MW	1	Note 1
1	CN	L	249	S3E	14	ASME B31.3	HT	1-CN-L249-S3E-14"	M6-CN-00045	16.5	20.8	54	100	Y	MW	1	Note 1
1	CN	L	251	S1E	30	ASME B31.3	HT	1-CN-L251-S1E-30"	M6-CN-00170	1.3	4.7	128	160	Y	MW	1	Note 1
1	CN	L	252	S1E	1	ASME B31.3	HT	1-CN-L252-S1E-1"	M6-CN-00040	Atm	0.7	Amb	Amb	Y	MW	1	Note 1
1	CN	L	253	S3E	20	ASME B31.3	HT	1-CN-L253-S3E-20"	M6-CN-00170	5.1	17.7	128	160	Y	MW	1	Note 1
1	CN	L	254	S3E	20	ASME B31.3	HT	1-CN-L254-S3E-20"	M6-CN-00170	5.1	17.7	128	160	Y	MW	1	Note 1
1	CN	L	255	S3E	20	ASME B31.3	HT	1-CN-L255-S3E-20"	M6-CN-00170	5.1	17.7	128	160	Y	MW	1	Note 1
1	CN	L	256	S3E	18	ASME B31.3	N	1-CN-L256-S3E-18"	M6-CN-00170	5.1	17.7	128	160	N			Note 2
1	CN	L	258	S3E	4	ASME B31.3	HT	1-CN-L258-S3E-4"	M6-CN-00170	5.1	17.7	128	160	Y	MW	1	Note 1
1	CN	L	259	S1E	0.5	ASME B31.3	HT	1-CN-L259-S1E-0.5"	M6-CN-00190	Atm	4.6	Amb	180	Y	MW	1	Note 1
1	CN	L	260	S1E	1	ASME B31.3	HT	1-CN-L260-S1E-1"	M6-CN-00040	Atm	0.7	Amb	Amb	Y	MW	1	Note 1
1	CN	L	262	S1E	8	ASME B31.3	HT	1-CN-L262-S1E-8"	M6-CN-00030	12.4	15.0	53	100	Y	MW	1	Note 1
1	CN	L	263	S1E	1	ASME B31.3	HT	1-CN-L263-S1E-1"	M6-CN-00030	Atm	0.7	Amb	Amb	Y	MW	1	Note 1
1	CN	L	264	S1E	1	ASME B31.3	HT	1-CN-L264-S1E-1"	M6-CN-00070	Atm	0.7	Amb	Amb	Y	MW	1	Note 1
1	CN	L	265	S1E	10	ASME B31.3	HT	1-CN-L265-S1E-10"	M6-CN-00150	1.3	4.7	128	160	Y	MW	1	Note 1
1	CN	L	266	S1E	10	ASME B31.3	HT	1-CN-L266-S1E-10"	M6-CN-00150	1.3	4.7	128	160	Y	MW	1	Note 1
1	CN	L	267	S1E	10	ASME B31.3	HT	1-CN-L267-S1E-10"	M6-CN-00160	1.3	4.7	128	160	Y	MW	1	Note 1
1	CN	L	268	S1E	10	ASME B31.3	HT	1-CN-L268-S1E-10"	M6-CN-00160	1.3	4.7	128	160	Y	MW	1	Note 1
1	CN	L	269	S1E	8	ASME B31.3	HT	1-CN-L269-S1E-8"	M6-CN-00030	12.4	15.0	53	100	Y	MW	1	Note 1

Unit	Bechtel System Code	Comm Group Code	Seq No.	Line Class	Dia (Inches)	Design Code	Heat Trace	Line Number	P&ID	Service Press (Barg)	Design Press (Barg)	Service Temp (Deg C)	Design Temp (Deg C)	Insulated (Y/N)	Insul Material (MW - Mineral Wool)	Insulation Thickness (Inches)	PaintCode
1	CN	L	270	S1E	1	ASME B31.3	HT	1-CN-L270-S1E-1"	M6-CN-00030	Atm	0.7	Amb	Amb	Y	MW	1	Note 1
1	CN	L	272	S1E	1	ASME B31.3	HT	1-CN-L272-S1E-1"	M6-CN-00030	Atm	0.7	Amb	Amb	Y	MW	1	Note 1
1	CN	L	273	S1E	1	ASME B31.3	HT	1-CN-L273-S1E-1"	M6-CN-00030	Atm	0.7	Amb	Amb	Y	MW	1	Note 1
1	CN	L	274	S1E	1	ASME B31.3	HT	1-CN-L274-S1E-1"	M6-CN-00030	12.4	15.0	53	100	Y	MW	1	Note 1
1	CN	L	275	S1E	1	ASME B31.3	HT	1-CN-L275-S1E-1"	M6-CN-00030	Atm	0.7	Amb	Amb	Y	MW	1	Note 1
1	CN	L	276	S1E	1	ASME B31.3	HT	1-CN-L276-S1E-1"	M6-CN-00045	Atm	N/A	Amb	N/A	Y	MW	1	Note 1
1	CN	L	277	S1E	1	ASME B31.3	HT	1-CN-L277-S1E-1"	M6-CN-00045	Atm	N/A	Amb	N/A	Y	MW	1	Note 1
1	CN	L	278	S1E	1	ASME B31.3	HT	1-CN-L278-S1E-1"	M6-CN-00045	Atm	N/A	Amb	N/A	Y	MW	1	Note 1
1	CN	L	279	S1E	1	ASME B31.3	HT	1-CN-L279-S1E-1"	M6-CN-00045	Atm	N/A	Amb	N/A	Y	MW	1	Note 1
1	CN	L	280	S1E	1	ASME B31.3	HT	1-CN-L280-S1E-1"	M6-CN-00045	Atm	N/A	Amb	N/A	Y	MW	1	Note 1
1	CN	L	281	S1E	1	ASME B31.3	HT	1-CN-L281-S1E-1"	M6-CN-00045	Atm	N/A	Amb	N/A	Y	MW	1	Note 1
1	CN	L	282	S1E	1	ASME B31.3	HT	1-CN-L282-S1E-1"	M6-CN-00040	Atm	0.7	Amb	Amb	Y	MW	1	Note 1
1	CN	L	283	S1E	1	ASME B31.3	HT	1-CN-L283-S1E-1"	M6-CN-00040	Atm	0.7	Amb	Amb	Y	MW	1	Note 1
1	CN	L	284	S1E	1	ASME B31.3	HT	1-CN-L284-S1E-1"	M6-CN-00040	Atm	0.7	Amb	Amb	Y	MW	1	Note 1
1	CN	L	285	S1E	1	ASME B31.3	HT	1-CN-L285-S1E-1"	M6-CN-00070	12.4	15.0	53	100	Y	MW	1	Note 1
1	CN	L	286	S1E	1	ASME B31.3	HT	1-CN-L286-S1E-1"	M6-CN-00070	Atm	0.7	Amb	Amb	Y	MW	1	Note 1
1	CN	L	287	S1E	1	ASME B31.3	HT	1-CN-L287-S1E-1"	M6-CN-00070	Atm	0.7	Amb	Amb	Y	MW	1	Note 1
1	CN	L	288	S1E	1	ASME B31.3	HT	1-CN-L288-S1E-1"	M6-CN-00070	Atm	0.7	Amb	Amb	Y	MW	1	Note 1
1	CN	L	289	S1E	1	ASME B31.3	HT	1-CN-L289-S1E-1"	M6-CN-00070	12.4	15.0	53	100	Y	MW	1	Note 1
1	CN	L	290	S1E	1	ASME B31.3	HT	1-CN-L290-S1E-1"	M6-CN-00070	Atm	0.7	Amb	Amb	Y	MW	1	Note 1
1	CN	L	291	S1E	1	ASME B31.3	HT	1-CN-L291-S1E-1"	M6-CN-00140	4.2	10.8	49	105	Y	MW	1	Note 1
1	CN	L	292	S1E	1	ASME B31.3	HT	1-CN-L292-S1E-1"	M6-CN-00140	4.2	10.8	49	105	Y	MW	1	Note 1
1	CN	L	293	S1E	1	ASME B31.3	HT	1-CN-L293-S1E-1"	M6-CN-00140	4.2	10.8	49	105	Y	MW	1	Note 1
1	CN	L	294	S1E	1	ASME B31.3	HT	1-CN-L294-S1E-1"	M6-CN-00140	4.2	10.8	49	105	Y	MW	1	Note 1
1	CN	L	295	S1E	1	ASME B31.3	HT	1-CN-L295-S1E-1"	M6-CN-00140	4.2	10.8	49	105	Y	MW	1	Note 1
1	CN	L	296	S1E	1	ASME B31.3	HT	1-CN-L296-S1E-1"	M6-CN-00140	4.2	10.8	49	105	Y	MW	1	Note 1
1	CN	L	297	S1E	1	ASME B31.3	HT	1-CN-L297-S1E-1"	M6-CN-00170	0.2	0.7	Amb	160	Y	MW	1	Note 1
1	CN	L	298	S1E	1	ASME B31.3	HT	1-CN-L298-S1E-1"	M6-CN-00170	0.2	0.7	Amb	160	Y	MW	1	Note 1
1	CN	L	299	S1E	1	ASME B31.3	HT	1-CN-L299-S1E-1"	M6-CN-00170	0.2	0.7	Amb	160	Y	MW	1	Note 1
1	CN	L	300	S1E	1	ASME B31.3	HT	1-CN-L300-S1E-1"	M6-CN-00170	0.2	0.7	Amb	160	Y	MW	1	Note 1
1	CN	L	301	S1E	1	ASME B31.3	HT	1-CN-L301-S1E-1"	M6-CN-00170	0.2	0.7	Amb	160	Y	MW	1	Note 1
1	CN	L	302	S1E	1	ASME B31.3	HT	1-CN-L302-S1E-1"	M6-CN-00170	0.2	0.7	Amb	160	Y	MW	1	Note 1
1	CN	L	303	S1E	1	ASME B31.3	HT	1-CN-L303-S1E-1"	M6-CN-00170	0.2	0.7	Amb	160	Y	MW	1	Note 1
1	CN	L	304	S1E	1	ASME B31.3	HT	1-CN-L304-S1E-1"	M6-CN-00170	0.2	0.7	Amb	160	Y	MW	1	Note 1
1	CN	L	305	S1E	1	ASME B31.3	HT	1-CN-L305-S1E-1"	M6-CN-00170	0.2	0.7	Amb	160	Y	MW	1	Note 1
1	CN	L	306	S1E	1	ASME B31.3	HT	1-CN-L306-S1E-1"	M6-CN-00170	0.2	0.7	Amb	160	Y	MW	1	Note 1
1	CN	L	307	S1E	4	ASME B31.3	HT	1-CN-L307-S1E-4"	M6-CN-00150	1.3	4.7	128	160	Y	MW	1	Note 1
1	CN	L	308	S1E	4	ASME B31.3	HT	1-CN-L308-S1E-4"	M6-CN-00150	1.3	4.7	130	270	Y	MW	1	Note 1
1	CN	L	309	S1E	4	ASME B31.3	HT	1-CN-L309-S1E-4"	M6-CN-00150	1.3	4.7	128	160	Y	MW	1	Note 1

Unit	Bechtel System Code	Comm Group Code	Seq No.	Line Class	Dia (inches)	Design Code	Heat Trace	Line Number	P&ID	Service Press (Barg)	Design Press (Barg)	Service Temp (Deg C)	Design Temp (Deg C)	Insulated (Y/N)	Insul Material (MW - Mineral Wool)	Insulation Thickness (inches)	PaintCode
1	CN	L	310	S1E	4	ASME B31.3	HT	1-CN-L310-S1E-4"	M6-CN-00150	1.3	4.7	130	270	Y	MW	1	Note 1
1	CN	L	311	S1E	4	ASME B31.3	HT	1-CN-L311-S1E-4"	M6-CN-00150	1.3	4.7	128	160	Y	MW	1	Note 1
1	CN	L	312	S1E	4	ASME B31.3	HT	1-CN-L312-S1E-4"	M6-CN-00150	1.3	4.7	130	270	Y	MW	1	Note 1
1	CN	L	313	S1E	4	ASME B31.3	HT	1-CN-L313-S1E-4"	M6-CN-00150	1.3	4.7	128	160	Y	MW	1	Note 1
1	CN	L	314	S1E	4	ASME B31.3	HT	1-CN-L314-S1E-4"	M6-CN-00150	1.3	4.7	130	270	Y	MW	1	Note 1
1	CN	L	315	S1E	4	ASME B31.3	HT	1-CN-L315-S1E-4"	M6-CN-00160	1.3	4.7	128	160	Y	MW	1	Note 1
1	CN	L	316	S1E	4	ASME B31.3	HT	1-CN-L316-S1E-4"	M6-CN-00160	1.3	4.7	128	270	Y	MW	1	Note 1
1	CN	L	317	S1E	4	ASME B31.3	HT	1-CN-L317-S1E-4"	M6-CN-00160	1.3	4.7	128	160	Y	MW	1	Note 1
1	CN	L	318	S1E	4	ASME B31.3	HT	1-CN-L318-S1E-4"	M6-CN-00160	1.3	4.7	128	270	Y	MW	1	Note 1
1	CN	L	319	S1E	4	ASME B31.3	HT	1-CN-L319-S1E-4"	M6-CN-00160	1.3	4.7	128	160	Y	MW	1	Note 1
1	CN	L	320	S1E	4	ASME B31.3	HT	1-CN-L320-S1E-4"	M6-CN-00160	1.3	4.7	128	270	Y	MW	1	Note 1
1	CN	L	321	S1E	4	ASME B31.3	HT	1-CN-L321-S1E-4"	M6-CN-00160	1.3	4.7	128	160	Y	MW	1	Note 1
1	CN	L	322	S1E	4	ASME B31.3	HT	1-CN-L322-S1E-4"	M6-CN-00160	1.3	4.7	128	270	Y	MW	1	Note 1
1	CN	L	323	S1E	4	ASME B31.3	HT	1-CN-L323-S1E-4"	M6-CN-00140	4.2	10.8	49	105	Y	MW	1	Note 1
1	CN	L	324	S1E	2	ASME B31.3	HT	1-CN-L324-S1E-2"	M6-CN-00140	4.2	10.8	49	105	Y	MW	1	Note 1
1	CN	L	325	S1E	2	ASME B31.3	HT	1-CN-L325-S1E-2"	M6-CN-00140	4.2	10.8	49	105	Y	MW	1	Note 1
1	CN	L	326	S1E	1	ASME B31.3	HT	1-CN-L326-S1E-1"	M6-CN-00030	12.4	15.0	53	100	Y	MW	1	Note 1
1	CN	L	327	S1E	8	ASME B31.3	HT	1-CN-L327-S1E-8"	M6-CN-00070	12.4	15.0	53	100	Y	MW	1	Note 1
1	CN	L	328	S1E	8	ASME B31.3	HT	1-CN-L328-S1E-8"	M6-CN-00070	12.4	15.0	53	100	Y	MW	1	Note 1
1	CN	L	329	S3E	3/4	ASME B31.3	HT	1-CN-L329-S3E-3/4"	M6-CN-00170	5.1	17.7	128	160	Y	MW	1	Note 1
1	CN	L	330	S3E	3/4	ASME B31.3	HT	1-CN-L330-S3E-3/4"	M6-CN-00170	5.1	17.7	128	160	Y	MW	1	Note 1
1	CN	L	331	S3E	3/4	ASME B31.3	HT	1-CN-L331-S3E-3/4"	M6-CN-00040	16.5	20.8	54	100	Y	MW	1	Note 1
1	CN	L	332	S1E	1	ASME B31.3	HT	1-CN-L332-S1E-1"	M6-CN-00040	Atm	0.7	Amb	Amb	Y	MW	1	Note 1
1	CN	L	333	S1E	1	ASME B31.3	HT	1-CN-L333-S1E-1"	M6-CN-00040	Atm	0.7	Amb	Amb	Y	MW	1	Note 1
1	CN	L	337	S1E	24	ASME B31.3	HT	1-CN-L337-S1E-24"	M6-CN-00045	0.4	0.7	53	100	Y	MW	1	Note 1
1	CN	L	338	S1E	3/4	ASME B31.3	HT	1-CN-L338-S1E-3/4"	M6-CN-00070	12.4	15.0	53	100	Y	MW	1	Note 1
1	CN	L	339	S1E	3/4	ASME B31.3	HT	1-CN-L339-S1E-3/4"	M6-CN-00030	12.4	15.0	53	100	Y	MW	1	Note 1
1	CN	L	340	S1E	1	ASME B31.3	HT	1-CN-L340-S1E-1"	M6-CN-00150	Atm	0.7	Amb	Amb	Y	MW	1	Note 1
1	CN	L	342	S1E	3	ASME B31.3	HT	1-CN-L342-S1E-3"	M6-CN-00180	12.4	15.3	48	80	Y	MW	1	Note 1
1	CN	L	343	S1E	6	ASME B31.3	HT	1-CN-L343-S1E-6"	M6-CN-00180	1.3	5.4	170	200	Y	MW	1	Note 1
1	CN	L	344	S1E	8	ASME B31.3	HT	1-CN-L344-S1E-8"	M6-CN-00180	Atm	0.7	Amb	200	Y	MW	1	Note 1
1	CN	L	345	S1E	6	ASME B31.3	HT	1-CN-L345-S1E-6"	M6-CN-00180	1.3	5.4	170	200	Y	MW	1	Note 1
1	CN	L	346	S1E	3	ASME B31.3	HT	1-CN-L346-S1E-3"	M6-CN-00180	12.4	15.3	48	80	Y	MW	1	Note 1
1	CN	L	347	S1E	1	ASME B31.3	HT	1-CN-L347-S1E-1"	M6-CN-00150	Atm	0.7	Amb	Amb	Y	MW	1	Note 1
1	CN	L	348	S1E	1	ASME B31.3	HT	1-CN-L348-S1E-1"	M6-CN-00150	Atm	0.7	Amb	Amb	Y	MW	1	Note 1
1	CN	L	349	S1E	1	ASME B31.3	HT	1-CN-L349-S1E-1"	M6-CN-00150	Atm	0.7	Amb	Amb	Y	MW	1	Note 1
1	CN	L	350	S1E	1	ASME B31.3	HT	1-CN-L350-S1E-1"	M6-CN-00160	Atm	0.7	Amb	Amb	Y	MW	1	Note 1
1	CN	L	351	S1E	1	ASME B31.3	HT	1-CN-L351-S1E-1"	M6-CN-00160	Atm	0.7	Amb	Amb	Y	MW	1	Note 1
1	CN	L	352	S1E	1	ASME B31.3	HT	1-CN-L352-S1E-1"	M6-CN-00160	Atm	0.7	Amb	Amb	Y	MW	1	Note 1

