

OWNER'S APPROVAL OF COMMENTS OF THIS DOCUMENT DOES NOT RELIEVE THE CONTRACTOR OF ITS CONTRACTUAL
RESPONSIBILITIES.

1	2023.10.26	施工图	商睿凝	陈欣	\	\
0A	2023.07.20	供批准	商睿凝	陈欣	\	\
版本	日期	版本描述	编制	校对	审核	批准

业主的徽标:



业主全称:

广东大鹏液化天然气有限公司
GUANGDONG DAPENG LNG COMPANY LTD

承包商的徽标:



承包商全称:

中国天辰工程有限公司和中石化工程建设有限公司联合体
Consortium of China Tianchen Engineering Corporation and Zhongshi
Chemical Engineering Construction Co., Ltd.

承包商代码:

TCCZS

这份资料是业主的财产，没有业主的批准不能复印或是传递给第三方。

This document is GDLNG property. It cannot be copied or transmitted to third parties without prior authorization

项目名称: 接收站可靠性改造项目

文件名称: 管道绝热一览表	文件类型	设计
业主文件编码: GDLNG-PJ-TRM-DD-110-PCS-10.08-10003	版本	1
承包商文件编码: T23008-110-PD18		

合同号: GDLNG-PJ-PO-220019

合同名称: 接收站可靠性改造项目EPC总承包合同

页数:

1/14



管道绝热一览表
PIPE INSULATION LIST

DOC.NO:GDLNG-PJ-TRM-DD-110-PCS-10.08-10003																			
序号 Ser. No	管线号 Line No.	绝热等级 Insulat. Code	管外径 Pipe OD ϕ mm	绝热材料内径 Insulat. Material ID ϕ mm	管道长度 Piping Length m	管道长度（除去绝热 盒、法兰、弯头） Piping Length (Except Insulat. Box, Flange, Elbow) m	管子长度 Pipe Length m	绝热盒数量 Insulat. Box QTY	法兰数 量 Flange QTY	弯头数 量 Elbow QTY	主保温层材料 Main Medium					保护层材料Jacketing			备注 Remarks
											材质 Material	厚度 Thkick- ness mm	数量 QTY.m3	绝热盒材质 Insulat. Box Material	数量 QTY. m3	材质 Material	厚度 Thic k- ness mm	面积 QTY. m²	
1	50-DR-112101-1SS-IC	IC	60.3	60.3	0.1	0.1	0.0	0	0	0	Cellular Glass radiused	140	0.0078	Cellular Glass radiused	0.0000		0.6	0.097	
2	80-DR-112101-1SS-IC	IC	88.9	88.9	31.2	29.0	28.8	1	2	7	Cellular Glass radiused	160	3.8242	Cellular Glass radiused	0.0611		0.6	40.681	
		IC	88.9	88.9	0.2	0.0	0.0	0	0	1	Cellular Glass radiused	160	0.0286	Cellular Glass radiused	0.0000		0.6	0.299	
3	25-LNG-1141005-9SS-IC	IC	33.4	33.4	2.4	1.9	1.9	1	2	1	Cellular Glass radiused	130	0.1315	Cellular Glass radiused	0.0123		0.6	2.037	
4	80-LNG-1141005-9SS-IC	IC	88.9	88.9	0.3	0.2	0.1	0	1	0	Cellular Glass radiused	160	0.0259	Cellular Glass radiused	0.0167		0.6	0.442	
		IC	88.9	88.9	0.3	0.2	0.1	0	1	0	Cellular Glass radiused	160	0.0281	Cellular Glass radiused	0.0167		0.6	0.466	
5	100-LNG-1141005-9SS-IC	IC	114.3	114.3	13.5	11.1	11.1	3	4	2	Cellular Glass radiused	160	1.6185	Cellular Glass radiused	0.2126		0.6	18.423	
6	25-LNG-1141105-9SS-IC	IC	33.4	33.4	2.4	1.9	1.9	1	2	1	Cellular Glass radiused	130	0.1315	Cellular Glass radiused	0.0123		0.6	2.037	
7	80-LNG-1141105-9SS-IC	IC	88.9	88.9	0.3	0.2	0.1	0	1	0	Cellular Glass radiused	160	0.0295	Cellular Glass radiused	0.0167		0.6	0.481	
		IC	88.9	88.9	0.3	0.2	0.1	0	1	0	Cellular Glass radiused	160	0.0298	Cellular Glass radiused	0.0167		0.6	0.484	
8	100-LNG-1141105-9SS-IC	IC	114.3	114.3	13.4	10.9	10.9	3	4	2	Cellular Glass radiused	160	1.5903	Cellular Glass radiused	0.2126		0.6	18.138	
9	25-LNG-114805-9SS-IC	IC	33.4	33.4	2.4	1.9	1.9	1	2	1	Cellular Glass radiused	130	0.1315	Cellular Glass radiused	0.0123		0.6	2.037	
10	80-LNG-114805-9SS-IC	IC	88.9	88.9	0.3	0.2	0.1	0	1	0	Cellular Glass radiused	160	0.0274	Cellular Glass radiused	0.0167		0.6	0.458	
		IC	88.9	88.9	0.4	0.2	0.1	0	1	0	Cellular Glass radiused	160	0.0309	Cellular Glass radiused	0.0167		0.6	0.495	
11	100-LNG-114805-9SS-IC	IC	114.3	114.3	13.5	11.1	11.1	3	4	2	Cellular Glass radiused	160	1.6138	Cellular Glass radiused	0.2126		0.6	18.375	
12	25-LNG-114905-9SS-IC	IC	33.4	33.4	2.4	1.9	1.9	1	2	1	Cellular Glass radiused	130	0.1315	Cellular Glass radiused	0.0123		0.6	2.037	
13	80-LNG-114905-9SS-IC	IC	88.9	88.9	0.3	0.2	0.1	0	1	0	Cellular Glass radiused	160	0.0240	Cellular Glass radiused	0.0167		0.6	0.422	
		IC	88.9	88.9	0.3	0.2	0.1	0	1	0	Cellular Glass radiused	160	0.0275	Cellular Glass radiused	0.0167		0.6	0.459	
14	100-LNG-114905-9SS-IC	IC	114.3	114.3	13.5	11.2	11.2	3	4	2	Cellular Glass radiused	160	1.6256	Cellular Glass radiused	0.2126		0.6	18.495	
15	20-LNG-1141003-9SS-IC	IC	26.7	26.7	1.6	0.9	0.9	3	3	1	Cellular Glass radiused	120	0.0504	Cellular Glass radiused	0.0177		0.6	1.055	
16	25-LNG-1141003-9SS-IC	IC	33.4	33.4	2.4	1.8	1.7	1	2	2	Cellular Glass radiused	130	0.1232	Cellular Glass radiused	0.0123		0.6	1.918	
17	40-LNG-1141003-9SS-IC	IC	48.3	48.3	0.3	0.2	0.2	1	1	0	Cellular Glass radiused	130	0.0150	Cellular Glass radiused	0.0140		0.6	0.392	
18	150-LNG-1141003-9SS-IC	IC	168.3	168.3	40.9	33.2	32.9	5	10	7	Cellular Glass radiused	180	7.1593	Cellular Glass radiused	0.9109		0.6	68.943	
19	200-LNG-1141003-9SS-IC	IC	219.1	219.1	0.3	0.2	0.0	0	1	0	Cellular Glass radiused	180	0.0344	Cellular Glass radiused	0.0741		0.6	0.879	
20	20-LNG-1141103-9SS-IC	IC	26.7	26.7	1.5	0.8	0.8	3	3	1	Cellular Glass radiused	120	0.0472	Cellular Glass radiused	0.0177		0.6	1.005	
21	25-LNG-1141103-9SS-IC	IC	33.4	33.4	2.4	1.8	1.7	1	2	2	Cellular Glass radiused	130	0.1232	Cellular Glass radiused	0.0123		0.6	1.918	
22	40-LNG-1141103-9SS-IC	IC	48.3	48.3	0.3	0.2	0.2	1	1	0	Cellular Glass radiused	130	0.0150	Cellular Glass radiused	0.0140		0.6	0.392	
23	150-LNG-1141103-9SS-IC	IC	168.3	168.3	41.1	33.1	32.6	5	10	7	Cellular Glass radiused	180	7.1443	Cellular Glass radiused	0.9109		0.6	68.814	
24	200-LNG-1141103-9SS-IC	IC	219.1	219.1	0.2	0.0	0.0	0	1	0	Cellular Glass radiused	180	0.0000	Cellular Glass radiused	0.0741		0.6	0.598	
25	20-LNG-114803-9SS-IC	IC	26.7	26.7	1.6	0.9	0.9	3	3	1	Cellular Glass radiused	120	0.0504	Cellular Glass radiused	0.0177		0.6	1.055	
26	25-LNG-114803-9SS-IC	IC	33.4	33.4	2.4	1.8	1.7	1	2	2	Cellular Glass radiused	130	0.1232	Cellular Glass radiused	0.0123		0.6	1.918	
27	40-LNG-114803-9SS-IC	IC	48.3	48.3	0.3	0.2	0.2	1	1	0	Cellular Glass radiused	130	0.0150	Cellular Glass radiused	0.0140		0.6	0.392	
28	150-LNG-114803-9SS-IC	IC	168.3	168.3	41.1	33.3	32.9	5	10	7	Cellular Glass radiused	180	7.1893	Cellular Glass radiused	0.9109		0.6	69.199	
29	200-LNG-114803-9SS-IC	IC	219.1	219.1	0.2	0.0	0.0	0	1	0	Cellular Glass radiused	180	0.0000	Cellular Glass radiused	0.0741		0.6	0.598	



管道绝热一览表
PIPE INSULATION LIST

DOC.NO:GDLNG-PJ-TRM-DD-110-PCS-10.08-10003																			
序号 Ser. No	管线号 Line No.	绝热等级 Insulat. Code	管外径 Pipe OD ϕ mm	绝热材料内径 Insulat. Material ID ϕ mm	管道长度 Piping Length m	管道长度（除去绝热 盒、法兰、弯头） Piping Length (Except Insulat. Box, Flange, Elbow) m	管子长度 Pipe Length m	绝热盒数量 Insulat. Box QTY	法兰数 量 Flange QTY	弯头数 量 Elbow QTY	主保温层材料 Main Medium					保护层材料Jacketing			备注 Remarks
											材质 Material	厚度 Thkick- ness mm	数量 QTY.m3	绝热盒材质 Insulat. Box Material	数量 QTY. m3	材质 Material	厚度 Thic k- ness mm	面积 QTY. m²	
30	20-LNG-114903-9SS-IC	IC	26.7	26.7	1.6	0.9	0.9	3	3	1	Cellular Glass radiused	120	0.0504	Cellular Glass radiused	0.0177		0.6	1.055	
31	25-LNG-114903-9SS-IC	IC	33.4	33.4	2.4	1.8	1.7	1	2	2	Cellular Glass radiused	130	0.1232	Cellular Glass radiused	0.0123		0.6	1.918	
32	40-LNG-114903-9SS-IC	IC	48.3	48.3	0.3	0.2	0.2	1	1	0	Cellular Glass radiused	130	0.0150	Cellular Glass radiused	0.0140		0.6	0.392	
33	150-LNG-114903-9SS-IC	IC	168.3	168.3	41.1	33.3	32.9	5	10	7	Cellular Glass radiused	180	7.1893	Cellular Glass radiused	0.9109		0.6	69.199	
34	200-LNG-114903-9SS-IC	IC	219.1	219.1	0.2	0.0	0.0	0	1	0	Cellular Glass radiused	180	0.0000	Cellular Glass radiused	0.0741		0.6	0.598	
35	150-NG-112101-1SS-IC	IC	168.3	168.3	0.4	0.2	0.2	0	0	0	Cellular Glass radiused	180	0.0458	Cellular Glass radiused	0.0000		0.6	0.392	
		IC	168.3	168.3	0.2	0.2	0.2	0	0	0	Cellular Glass radiused	180	0.0373	Cellular Glass radiused	0.0000		0.6	0.320	
36	25-NG-112101-9SS-IC	IC	33.4	33.4	0.9	0.5	0.5	1	2	0	Cellular Glass radiused	130	0.0362	Cellular Glass radiused	0.0123		0.6	0.683	
		IC	33.4	33.4	0.4	0.3	0.3	0	2	0	Cellular Glass radiused	130	0.0218	Cellular Glass radiused	0.0067		0.6	0.402	
37	150-NG-112101-9SS-IC	IC	168.3	168.3	4.7	3.5	3.5	2	2	0	Cellular Glass radiused	180	0.6823	Cellular Glass radiused	0.2650		0.6	8.072	
		IC	168.3	168.3	18.8	17.0	17.0	1	2	3	Cellular Glass radiused	180	3.6208	Cellular Glass radiused	0.1822		0.6	32.520	
38	20-LNG-114903-9SS-IC-1	IC	26.7	26.7	1.1	0.5	0.4	3	5	1	Cellular Glass radiused	120	0.0274	Cellular Glass radiused	0.0221		0.6	0.762	
39	20-LNG-114903-9SS-IC-2	IC	26.7	26.7	1.1	0.5	0.4	3	5	1	Cellular Glass radiused	120	0.0270	Cellular Glass radiused	0.0221		0.6	0.757	
40	20-LNG-114903-9SS-IC-3	IC	26.7	26.7	1.1	0.5	0.4	3	5	1	Cellular Glass radiused	120	0.0270	Cellular Glass radiused	0.0221		0.6	0.757	
41	20-LNG-114903-9SS-IC-4	IC	26.7	26.7	1.1	0.5	0.4	3	5	1	Cellular Glass radiused	120	0.0274	Cellular Glass radiused	0.0221		0.6	0.762	
42	50-LNG-111112-1SS -IC	IC	60.3	60.3	6.2	4.6	4.6	2	4	4	Cellular Glass radiused	140	0.4613	Cellular Glass radiused	0.0584		0.6	6.442	
43	300-LNG-111112-1SS -IC	IC	323.9	323.9	18.8	14.7	14.7	3	4	3	Cellular Glass radiused	200	5.7444	Cellular Glass radiused	1.4383		0.6	50.074	
44	50-LNG-111312-1SS -IC	IC	60.3	60.3	4.7	3.1	3.0	2	4	4	Cellular Glass radiused	140	0.3239	Cellular Glass radiused	0.0584		0.6	4.734	
45	300-LNG-111312-1SS -IC	IC	323.9	323.9	19.3	15.2	14.7	3	4	3	Cellular Glass radiused	200	5.8975	Cellular Glass radiused	1.4383		0.6	51.144	
46	25-LNG-111512-1SS -IC	IC	33.4	33.4	0.5	0.4	0.3	0	2	0	Cellular Glass radiused	130	0.0248	Cellular Glass radiused	0.0067		0.6	0.445	
47	50-LNG-111512-1SS -IC	IC	60.3	60.3	3.7	2.5	2.4	2	4	2	Cellular Glass radiused	140	0.2431	Cellular Glass radiused	0.0584		0.6	3.730	
48	300-LNG-111512-1SS -IC	IC	323.9	323.9	55.7	49.8	49.8	3	4	5	Cellular Glass radiused	200	17.8821	Cellular Glass radiused	1.4383		0.6	134.883	
49	500-LNG-119501-1SS-IC	IC	508.0	508.0	0.5	0.0	0.0	1	2	0	Cellular Glass radiused	220	0.0000	Cellular Glass radiused	1.4051		0.6	8.317	
50	50-DR-119501-1SS-IC	IC	60.3	60.3	0.3	0.0	0.0	1	2	0	Cellular Glass radiused	140	0.0000	Cellular Glass radiused	0.0292		0.6	0.355	
51	25-NG-1141001-1SS-IC	IC	33.4	33.4	0.3	0.2	0.1	1	2	0	Cellular Glass radiused	130	0.0101	Cellular Glass radiused	0.0123		0.6	0.313	
52	50-NG-1141001-1SS-IC	IC	60.3	60.3	26.4	24.8	24.7	2	5	3	Cellular Glass radiused	140	2.2258	Cellular Glass radiused	0.0664		0.6	28.466	
		IC	60.3	60.3	1.3	1.0	1.0	1	2	0	Cellular Glass radiused	140	0.0898	Cellular Glass radiused	0.0292		0.6	1.471	
53	25-NG-1141101-1SS-IC	IC	33.4	33.4	0.3	0.1	0.1	1	2	0	Cellular Glass radiused	130	0.0069	Cellular Glass radiused	0.0123		0.6	0.267	
54	50-NG-1141101-1SS-IC	IC	60.3	60.3	1.3	1.0	1.0	1	2	0	Cellular Glass radiused	140	0.0898	Cellular Glass radiused	0.0292		0.6	1.471	
		IC	60.3	60.3	26.2	24.6	24.5	2	5	3	Cellular Glass radiused	140	2.2109	Cellular Glass radiused	0.0664		0.6	28.281	
55	25-NG-114801-1SS-IC	IC	33.4	33.4	0.3	0.1	0.1	1	2	0	Cellular Glass radiused	130	0.0089	Cellular Glass radiused	0.0123		0.6	0.295	
56	50-NG-114801-1SS-IC	IC	60.3	60.3	26.3	24.7	24.6	2	5	3	Cellular Glass radiused	140	2.2186	Cellular Glass radiused	0.0664		0.6	28.377	
		IC	60.3	60.3	1.3	1.0	1.0	1	2	0	Cellular Glass radiused	140	0.0898	Cellular Glass radiused	0.0292		0.6	1.471	
57	25-NG-114901-1SS-IC	IC	33.4	33.4	0.3	0.1	0.1	1	2	0	Cellular Glass radiused	130	0.0066	Cellular Glass radiused	0.0123		0.6	0.263	



管道绝热一览表
PIPE INSULATION LIST

DOC.NO:GDLNG-PJ-TRM-DD-110-PCS-10.08-10003																			
序号 Ser. No	管线号 Line No.	绝热等级 Insulat. Code	管外径 Pipe OD ϕ mm	绝热材料内径 Insulat. Material ID ϕ mm	管道长度 Piping Length m	管道长度（除去绝热 盒、法兰、弯头） Piping Length (Except Insulat. Box, Flange, Elbow) m	管子长度 Pipe Length m	绝热盒数量 Insulat. Box QTY	法兰数 量 Flange QTY	弯头数 量 Elbow QTY	主保温层材料 Main Medium					保护层材料Jacketing			备注 Remarks
											材质 Material	厚度 Thkick- ness mm	数量 QTY.m3	绝热盒材质 Insulat. Box Material	数量 QTY. m3	材质 Material	厚度 Thic k- ness mm	面积 QTY. m²	
		IC	33.4	33.4	0.3	0.2	0.1	1	2	0	Cellular Glass radiused	130	0.0114	Cellular Glass radiused	0.0123	-----	0.6	0.331	
58	50-NG-114901-1SS-IC	IC	60.3	60.3	26.3	24.8	24.6	2	5	3	Cellular Glass radiused	140	2.2225	Cellular Glass radiused	0.0664	-----	0.6	28.425	
		IC	60.3	60.3	1.3	1.0	1.0	1	2	0	Cellular Glass radiused	140	0.0898	Cellular Glass radiused	0.0292	-----	0.6	1.471	
59	20-NG-112102-1SS-IC	IC	26.7	26.7	0.5	0.4	0.4	2	1	1	Cellular Glass radiused	120	0.0216	Cellular Glass radiused	0.0096	-----	0.6	0.483	
60	25-NG-112102-1SS-IC	IC	33.4	33.4	0.5	0.3	0.2	1	2	0	Cellular Glass radiused	130	0.0180	Cellular Glass radiused	0.0123	-----	0.6	0.425	
		IC	33.4	33.4	0.3	0.1	0.1	1	2	0	Cellular Glass radiused	130	0.0100	Cellular Glass radiused	0.0123	-----	0.6	0.311	
61	100-NG-112102-1SS-IC	IC	114.3	114.3	2.0	1.3	1.1	2	3	0	Cellular Glass radiused	160	0.1827	Cellular Glass radiused	0.1496	-----	0.6	3.322	
62	150-NG-112102-1SS-IC	IC	168.3	168.3	1.0	1.0	0.8	0	1	0	Cellular Glass radiused	180	0.1920	Cellular Glass radiused	0.0497	-----	0.6	2.061	
		IC	168.3	168.3	64.3	59.4	59.4	1	2	10	Cellular Glass radiused	180	12.5878	Cellular Glass radiused	0.1822	-----	0.6	109.258	
63	200-NG-112102-1SS-IC	IC	219.1	219.1	2.4	1.7	1.3	0	1	1	Cellular Glass radiused	180	0.5183	Cellular Glass radiused	0.0741	-----	0.6	4.835	
64	100-NG-112108-1SS-IC	IC	114.3	114.3	2.1	1.4	1.4	2	2	0	Cellular Glass radiused	160	0.1932	Cellular Glass radiused	0.1260	-----	0.6	3.195	
65	20-LNG -115803-9SS -IC	IC	26.7	26.7	0.4	0.2	0.2	2	1	0	Cellular Glass radiused	120	0.0094	Cellular Glass radiused	0.0096	-----	0.6	0.293	
66	25-LNG-1151003-9SS	IC	26.7	26.7	1.9	1.3	1.2	3	3	1	Cellular Glass radiused	120	0.0712	Cellular Glass radiused	0.0177	-----	0.6	1.379	
		IC	26.7	26.7	1.9	1.2	1.2	3	3	1	Cellular Glass radiused	120	0.0700	Cellular Glass radiused	0.0177	-----	0.6	1.361	
67	50-LNG-1151003-9SS-IC	IC	33.4	33.4	3.7	2.8	2.7	2	4	2	Cellular Glass radiused	130	0.1904	Cellular Glass radiused	0.0245	-----	0.6	3.042	
68	25-LNG-1151003-9SS	IC	33.4	33.4	3.4	2.7	2.6	1	2	4	Cellular Glass radiused	130	0.1869	Cellular Glass radiused	0.0123	-----	0.6	2.823	
69	40-TT115107-9SS	IC	48.3	48.3	0.4	0.3	0.2	1	1	0	Cellular Glass radiused	130	0.0204	Cellular Glass radiused	0.0140	-----	0.6	0.466	
70	40-TT115106-9SS	IC	48.3	48.3	0.4	0.3	0.2	1	1	0	Cellular Glass radiused	130	0.0209	Cellular Glass radiused	0.0140	-----	0.6	0.472	
71	150-LNG-1151003-9SS-IC	IC	168.3	168.3	58.0	49.5	49.1	4	6	10	Cellular Glass radiused	180	10.6357	Cellular Glass radiused	0.6294	-----	0.6	96.321	
72	150-LNG-1151003-9SS-IC-1	IC	168.3	168.3	19.1	16.8	16.8	0	0	5	Cellular Glass radiused	180	3.7665	Cellular Glass radiused	0.0000	-----	0.6	32.233	
73	200-LNG-1151003-9SS-IC-1	IC	219.1	219.1	1.0	1.0	0.8	0	0	0	Cellular Glass radiused	180	0.2171	Cellular Glass radiused	0.0000	-----	0.6	1.775	
74	200-LNG-1151003-9SS-IC	IC	219.1	219.1	1.2	1.2	1.0	0	0	0	Cellular Glass radiused	180	0.2622	Cellular Glass radiused	0.0000	-----	0.6	2.144	
75	20-PT115111-9SS	IC	26.7	26.7	1.9	1.3	1.2	3	3	1	Cellular Glass radiused	120	0.0703	Cellular Glass radiused	0.0177	-----	0.6	1.366	
76	20-PT115112-9SS	IC	26.7	26.7	2.0	1.3	1.3	3	3	1	Cellular Glass radiused	120	0.0733	Cellular Glass radiused	0.0177	-----	0.6	1.412	
77	50-LNG-1151103-9SS-IC	IC	33.4	33.4	3.5	2.6	2.5	2	4	2	Cellular Glass radiused	130	0.1758	Cellular Glass radiused	0.0245	-----	0.6	2.834	
78	25-LNG-1151103-9SS-IC	IC	33.4	33.4	3.8	3.2	3.1	1	2	4	Cellular Glass radiused	130	0.2166	Cellular Glass radiused	0.0123	-----	0.6	3.244	
79	40-TT115116-9SS	IC	48.3	48.3	0.4	0.3	0.3	1	1	0	Cellular Glass radiused	130	0.0211	Cellular Glass radiused	0.0140	-----	0.6	0.475	
80	40-TT115117-9SS	IC	48.3	48.3	0.4	0.3	0.3	1	1	0	Cellular Glass radiused	130	0.0211	Cellular Glass radiused	0.0140	-----	0.6	0.475	
81	150-LNG-1151103-9SS-IC-2	IC	168.3	168.3	59.3	49.9	49.5	4	6	12	Cellular Glass radiused	180	10.9009	Cellular Glass radiused	0.6294	-----	0.6	98.590	
82	150-LNG-1151103-9SS-IC-1	IC	168.3	168.3	19.8	17.5	17.5	0	0	5	Cellular Glass radiused	180	3.8980	Cellular Glass radiused	0.0000	-----	0.6	33.357	
83	200-LNG-1151103-9SS-IC	IC	219.1	219.1	1.2	1.2	1.0	0	0	0	Cellular Glass radiused	180	0.2621	Cellular Glass radiused	0.0000	-----	0.6	2.142	
84	200-LNG-1151103-9SS-IC-1	IC	219.1	219.1	1.2	1.2	1.0	0	0	0	Cellular Glass radiused	180	0.2621	Cellular Glass radiused	0.0000	-----	0.6	2.142	
85	20- PT115122-9SS	IC	26.7	26.7	1.9	1.2	1.2	3	3	1	Cellular Glass radiused	120	0.0667	Cellular Glass radiused	0.0177	-----	0.6	1.309	
86	20-PT115122-9SS	IC	26.7	26.7	1.9	1.2	1.2	3	3	1	Cellular Glass radiused	120	0.0671	Cellular Glass radiused	0.0177	-----	0.6	1.315	



管道绝热一览表
PIPE INSULATION LIST

DOC.NO:GDLNG-PJ-TRM-DD-110-PCS-10.08-10003																			
序号 Ser. No	管线号 Line No.	绝热等级 Insulat. Code	管外径 Pipe OD ϕ mm	绝热材料内径 Insulat. Material ID ϕ mm	管道长度 Piping Length m	管道长度（除去绝热 盒、法兰、弯头） Piping Length (Except Insulat. Box, Flange, Elbow) m	管子长度 Pipe Length m	绝热盒数量 Insulat. Box QTY	法兰数 量 Flange QTY	弯头数 量 Elbow QTY	主保温层材料 Main Medium					保护层材料Jacketing			备注 Remarks
											材质 Material	厚度 Thkick- ness mm	数量 QTY.m3	绝热盒材质 Insulat. Box Material	数量 QTY. m3	材质 Material	厚度 Thic k- ness mm	面积 QTY. m²	
87	25-LNG-1151203-9SS-IC	IC	33.4	33.4	3.8	3.2	3.1	1	2	4	Cellular Glass radiused	130	0.2170	Cellular Glass radiused	0.0123		0.6	3.250	
88	50-LNG-1151203-9SS-IC	IC	33.4	33.4	3.6	2.7	2.6	2	4	2	Cellular Glass radiused	130	0.1803	Cellular Glass radiused	0.0245		0.6	2.898	
89	40-TT115127-9SS	IC	48.3	48.3	0.4	0.3	0.3	1	1	0	Cellular Glass radiused	130	0.0209	Cellular Glass radiused	0.0140		0.6	0.472	
90	40-TT115126-9SS	IC	48.3	48.3	0.4	0.3	0.2	1	1	0	Cellular Glass radiused	130	0.0209	Cellular Glass radiused	0.0140		0.6	0.472	
91	150-LNG-1151203-9SS-IC-2	IC	168.3	168.3	58.7	50.2	49.9	4	6	10	Cellular Glass radiused	180	10.7863	Cellular Glass radiused	0.6294		0.6	97.609	
92	150-LNG-1151203-9SS-IC-1	IC	168.3	168.3	19.8	17.5	17.5	0	0	5	Cellular Glass radiused	180	3.8943	Cellular Glass radiused	0.0000		0.6	33.326	
93	200-LNG-1151103-9SS-IC	IC	219.1	219.1	1.1	1.1	0.9	0	0	0	Cellular Glass radiused	180	0.2401	Cellular Glass radiused	0.0000		0.6	1.963	
94	200-LNG-1151103-9SS-IC-1	IC	219.1	219.1	1.1	1.1	0.9	0	0	0	Cellular Glass radiused	180	0.2401	Cellular Glass radiused	0.0000		0.6	1.963	
95	20-PT11592-9SS-IC	IC	26.7	26.7	1.9	1.2	1.2	3	3	1	Cellular Glass radiused	120	0.0691	Cellular Glass radiused	0.0177		0.6	1.347	
96	20-PT11592-9SS	IC	26.7	26.7	2.0	1.3	1.3	3	3	1	Cellular Glass radiused	120	0.0740	Cellular Glass radiused	0.0177		0.6	1.423	
97	25-LNG-115903-9SS-IC	IC	33.4	33.4	3.3	2.6	2.5	1	2	4	Cellular Glass radiused	130	0.1796	Cellular Glass radiused	0.0123		0.6	2.720	
98	50-LNG-115903-9SS-IC	IC	33.4	33.4	4.2	3.3	3.2	2	4	2	Cellular Glass radiused	130	0.2219	Cellular Glass radiused	0.0245		0.6	3.489	
99	40-TT11597-9SS	IC	48.3	48.3	0.4	0.3	0.3	1	1	0	Cellular Glass radiused	130	0.0216	Cellular Glass radiused	0.0140		0.6	0.481	
100	40-TT11596-9SS	IC	48.3	48.3	0.4	0.3	0.3	1	1	0	Cellular Glass radiused	130	0.0218	Cellular Glass radiused	0.0140		0.6	0.484	
101	150-LNG-115903-9SS-IC-1	IC	168.3	168.3	56.8	48.7	48.4	4	6	9	Cellular Glass radiused	180	10.4047	Cellular Glass radiused	0.6294		0.6	94.344	
102	150-LNG-115903-9SS-IC	IC	168.3	168.3	19.0	16.8	16.8	0	0	5	Cellular Glass radiused	180	3.7486	Cellular Glass radiused	0.0000		0.6	32.079	
103	200-LNG-115903-9SS-IC	IC	219.1	219.1	1.2	1.2	1.0	0	0	0	Cellular Glass radiused	180	0.2696	Cellular Glass radiused	0.0000		0.6	2.204	
104	200-LNG-115903-9SS-IC-1	IC	219.1	219.1	1.5	1.5	1.3	0	0	0	Cellular Glass radiused	180	0.3311	Cellular Glass radiused	0.0000		0.6	2.707	
105	25-LNG-119405-1SS-IC	IC	33.4	33.4	0.3	0.2	0.1	0	2	0	Cellular Glass radiused	130	0.0122	Cellular Glass radiused	0.0067		0.6	0.266	
106	100-LNG-119405-1SS-IC	IC	114.3	114.3	0.6	0.3	0.0	1	2	0	Cellular Glass radiused	160	0.0385	Cellular Glass radiused	0.0866		0.6	1.246	
107	150-LNG-119405-1SS-IC	IC	168.3	168.3	13.0	10.3	9.9	3	6	2	Cellular Glass radiused	180	2.2005	Cellular Glass radiused	0.5465		0.6	23.436	
108	20-LNG-119405-1SS-IC-1	IC	26.7	26.7	0.5	0.3	0.3	2	1	1	Cellular Glass radiused	120	0.0198	Cellular Glass radiused	0.0096		0.6	0.454	
109	20-LNG-119405-1SS-IC-2	IC	26.7	26.7	0.6	0.4	0.4	2	1	1	Cellular Glass radiused	120	0.0224	Cellular Glass radiused	0.0096		0.6	0.495	
110	25-LNG-119505-9SS	IC	33.4	33.4	0.9	0.5	0.4	1	2	1	Cellular Glass radiused	130	0.0328	Cellular Glass radiused	0.0123		0.6	0.635	
111	150-LNG-119505-9SS-IC	IC	168.3	168.3	21.7	17.7	17.6	2	4	4	Cellular Glass radiused	180	3.8452	Cellular Glass radiused	0.3644		0.6	35.977	
112	25-NG-112103-1SS-IC	IC	33.4	33.4	0.5	0.3	0.3	1	2	0	Cellular Glass radiused	130	0.0201	Cellular Glass radiused	0.0123		0.6	0.455	
		IC	33.4	33.4	0.5	0.3	0.3	1	2	0	Cellular Glass radiused	130	0.0199	Cellular Glass radiused	0.0123		0.6	0.452	
113	50-NG-112103-1SS-IC	IC	60.3	60.3	6.3	5.0	5.0	1	2	5	Cellular Glass radiused	140	0.5106	Cellular Glass radiused	0.0292		0.6	6.700	
		IC	60.3	60.3	1.7	1.2	1.1	1	2	0	Cellular Glass radiused	140	0.1023	Cellular Glass radiused	0.0292		0.6	1.626	
114	150-NG-112103-1SS-IC	IC	168.3	168.3	1.6	1.0	1.0	1	3	0	Cellular Glass radiused	180	0.1873	Cellular Glass radiused	0.2319		0.6	3.557	
		IC	168.3	168.3	5.3	3.2	2.9	2	3	2	Cellular Glass radiused	180	0.8071	Cellular Glass radiused	0.3147		0.6	9.559	
		IC	168.3	168.3	0.6	0.0	0.0	1	1	0	Cellular Glass radiused	180	0.0000	Cellular Glass radiused	0.1325		0.6	1.117	
115	200-NG-112103-1SS-IC	IC	219.1	219.1	12.8	7.1	6.0	3	7	6	Cellular Glass radiused	180	2.4162	Cellular Glass radiused	0.8895		0.6	26.924	
116	150-NG-112104-1SS-IC	IC	168.3	168.3	2.4	1.5	1.5	0	0	2	Cellular Glass radiused	180	0.4746	Cellular Glass radiused	0.0000		0.6	4.062	



管道绝热一览表
PIPE INSULATION LIST

DOC.NO:GDLNG-PJ-TRM-DD-110-PCS-10.08-10003																			
序号 Ser. No	管线号 Line No.	绝热等级 Insulat. Code	管外径 Pipe OD ϕ mm	绝热材料内径 Insulat. Material ID ϕ mm	管道长度 Piping Length m	管道长度（除去绝热 盒、法兰、弯头） Piping Length (Except Insulat. Box, Flange, Elbow) m	管子长度 Pipe Length m	绝热盒数量 Insulat. Box QTY	法兰数 量 Flange QTY	弯头数 量 Elbow QTY	主保温层材料 Main Medium					保护层材料Jacketing			备注 Remarks
											材质 Material	厚度 Thkick- ness mm	数量 QTY.m3	绝热盒材质 Insulat. Box Material	数量 QTY. m3	材质 Material	厚度 Thic k- ness mm	面积 QTY. m²	
117	25-NG-1141002-1SS-IC	IC	33.4	33.4	0.4	0.3	0.3	0	2	0	Cellular Glass radiused	130	0.0216	Cellular Glass radiused	0.0067	-----	0.6	0.399	
118	150-NG-1141002-1SS-IC	IC	168.3	168.3	14.3	12.2	12.2	1	3	3	Cellular Glass radiused	180	2.6777	Cellular Glass radiused	0.2319	-----	0.6	24.869	
119	25-NG-1141102-1SS-IC	IC	33.4	33.4	0.4	0.3	0.3	0	2	0	Cellular Glass radiused	130	0.0216	Cellular Glass radiused	0.0067	-----	0.6	0.399	
120	150-NG-1141102-1SS-IC	IC	168.3	168.3	14.3	12.2	12.2	1	3	3	Cellular Glass radiused	180	2.6777	Cellular Glass radiused	0.2319	-----	0.6	24.869	
121	25-NG-114802-1SS-IC	IC	33.4	33.4	0.4	0.3	0.3	0	2	0	Cellular Glass radiused	130	0.0216	Cellular Glass radiused	0.0067	-----	0.6	0.399	
122	150-NG-114802-1SS-IC	IC	168.3	168.3	14.3	12.2	12.2	1	3	3	Cellular Glass radiused	180	2.6777	Cellular Glass radiused	0.2319	-----	0.6	24.869	
123	25-NG-114902-1SS-IC	IC	33.4	33.4	0.4	0.3	0.3	0	2	0	Cellular Glass radiused	130	0.0216	Cellular Glass radiused	0.0067	-----	0.6	0.399	
124	150-NG-114902-1SS-IC	IC	168.3	168.3	14.3	12.2	12.2	1	3	3	Cellular Glass radiused	180	2.6777	Cellular Glass radiused	0.2319	-----	0.6	24.869	
125	25-NG-1151003-9SS-IC	IC	33.4	33.4	0.9	0.3	0.3	2	2	0	Cellular Glass radiused	130	0.0212	Cellular Glass radiused	0.0178	-----	0.6	0.547	
126	25-NG-1151003-9SS-IC	IC	33.4	33.4	1.0	0.3	0.3	2	2	0	Cellular Glass radiused	130	0.0221	Cellular Glass radiused	0.0178	-----	0.6	0.560	
127	150-LNG-1151003-9SS-IC-1	IC	168.3	168.3	0.7	0.7	0.7	0	0	0	Cellular Glass radiused	180	0.1398	Cellular Glass radiused	0.0000	-----	0.6	1.196	
128	150-NG-1151003-9SS-IC	IC	168.3	168.3	15.4	12.7	12.4	2	4	2	Cellular Glass radiused	180	2.6723	Cellular Glass radiused	0.3644	-----	0.6	25.939	
129	150-NG-1151003-9SS-IC-1	IC	168.3	168.3	2.4	2.3	2.0	0	2	0	Cellular Glass radiused	180	0.4490	Cellular Glass radiused	0.0994	-----	0.6	4.680	
130	25-NG-1151103-9SS-IC	IC	33.4	33.4	0.9	0.3	0.3	2	2	0	Cellular Glass radiused	130	0.0190	Cellular Glass radiused	0.0178	-----	0.6	0.517	
131	25-NG-1151103-9SS-IC-1	IC	33.4	33.4	0.9	0.3	0.3	2	2	0	Cellular Glass radiused	130	0.0191	Cellular Glass radiused	0.0178	-----	0.6	0.518	
132	150-NG-1151003-9SS-IC-1	IC	168.3	168.3	2.4	2.2	2.0	0	2	0	Cellular Glass radiused	180	0.4420	Cellular Glass radiused	0.0994	-----	0.6	4.620	
133	150-NG-1151103-9SS-IC-2	IC	168.3	168.3	0.7	0.7	0.7	0	0	0	Cellular Glass radiused	180	0.1286	Cellular Glass radiused	0.0000	-----	0.6	1.101	
134	150-NG-1151103-9SS-IC	IC	168.3	168.3	15.2	12.4	12.2	2	4	2	Cellular Glass radiused	180	2.6293	Cellular Glass radiused	0.3644	-----	0.6	25.571	
135	25-NG-1151203-9SS-IC	IC	33.4	33.4	1.0	0.4	0.4	2	2	0	Cellular Glass radiused	130	0.0285	Cellular Glass radiused	0.0178	-----	0.6	0.651	
		IC	33.4	33.4	1.1	0.5	0.5	2	2	0	Cellular Glass radiused	130	0.0351	Cellular Glass radiused	0.0178	-----	0.6	0.745	
136	150-NG-1151203-9SS-IC	IC	168.3	168.3	2.5	2.4	2.1	0	2	0	Cellular Glass radiused	180	0.4657	Cellular Glass radiused	0.0994	-----	0.6	4.822	
		IC	168.3	168.3	15.9	12.6	12.3	3	4	2	Cellular Glass radiused	180	2.6668	Cellular Glass radiused	0.4472	-----	0.6	26.590	
137	150-NG-1151203-9SS-IC-3	IC	168.3	168.3	0.6	0.6	0.6	0	0	0	Cellular Glass radiused	180	0.1167	Cellular Glass radiused	0.0000	-----	0.6	0.999	
138	25-NG-116611-9SS-IC	IC	33.4	33.4	0.5	0.4	0.4	0	2	0	Cellular Glass radiused	130	0.0285	Cellular Glass radiused	0.0067	-----	0.6	0.497	
139	150-NG-116611-9SS-IC	IC	168.3	168.3	2.0	0.9	0.9	1	3	0	Cellular Glass radiused	180	0.1799	Cellular Glass radiused	0.2319	-----	0.6	3.494	
140	25-FL-1151003-1SS	IC	33.4	33.4	0.5	0.2	0.2	1	2	0	Cellular Glass radiused	130	0.0149	Cellular Glass radiused	0.0123	-----	0.6	0.380	
141	200-NG-1151003-1SS-IC	IC	219.1	219.1	2.5	1.4	1.4	2	1	0	Cellular Glass radiused	180	0.3257	Cellular Glass radiused	0.3212	-----	0.6	5.252	
142	200-FL-1151003-1SS-IC	IC	219.1	219.1	16.3	13.7	13.4	0	1	4	Cellular Glass radiused	180	3.6469	Cellular Glass radiused	0.0741	-----	0.6	30.413	
143	25-FL-1151005-1SS	IC	33.4	33.4	0.5	0.2	0.2	1	2	0	Cellular Glass radiused	130	0.0149	Cellular Glass radiused	0.0123	-----	0.6	0.381	
144	200-NG-1151005-1SS-IC	IC	219.1	219.1	2.5	1.4	1.4	2	1	0	Cellular Glass radiused	180	0.3142	Cellular Glass radiused	0.3212	-----	0.6	5.158	
145	200-FL-1151005-1SS-IC(100)	IC	219.1	219.1	4.2	2.9	2.9	0	1	2	Cellular Glass radiused	180	0.9278	Cellular Glass radiused	0.0741	-----	0.6	8.183	
146	25-FL-1151103-1SS-IC(100)	IC	33.4	33.4	0.4	0.2	0.2	1	2	0	Cellular Glass radiused	130	0.0134	Cellular Glass radiused	0.0123	-----	0.6	0.360	
147	200-FL-1151103-1SS-IC(100)	IC	219.1	219.1	4.1	2.7	2.7	0	1	2	Cellular Glass radiused	180	0.8914	Cellular Glass radiused	0.0741	-----	0.6	7.886	
		IC	219.1	219.1	2.5	1.4	1.4	2	1	0	Cellular Glass radiused	180	0.3141	Cellular Glass radiused	0.3212	-----	0.6	5.157	



管道绝热一览表
PIPE INSULATION LIST

DOC.NO:GDLNG-PJ-TRM-DD-110-PCS-10.08-10003																			
序号 Ser. No	管线号 Line No.	绝热等级 Insulat. Code	管外径 Pipe OD ϕ mm	绝热材料内径 Insulat. Material ID ϕ mm	管道长度 Piping Length m	管道长度（除去绝热 盒、法兰、弯头） Piping Length (Except Insulat. Box, Flange, Elbow) m	管子长度 Pipe Length m	绝热盒数量 Insulat. Box QTY	法兰数 量 Flange QTY	弯头数 量 Elbow QTY	主保温层材料 Main Medium					保护层材料Jacketing			备注 Remarks
											材质 Material	厚度 Thkick- ness mm	数量 QTY.m3	绝热盒材质 Insulat. Box Material	数量 QTY. m3	材质 Material	厚度 Thic k- ness mm	面积 QTY. m²	
148	25-FL-1151105-1SS-IC(100)	IC	33.4	33.4	0.4	0.2	0.2	1	2	0	Cellular Glass radiused	130	0.0134	Cellular Glass radiused	0.0123	-----	0.6	0.360	
149	200-FL-1151105-1SS-IC(100)	IC	219.1	219.1	2.5	1.5	1.5	2	1	0	Cellular Glass radiused	180	0.3325	Cellular Glass radiused	0.3212	-----	0.6	5.307	
		IC	219.1	219.1	16.8	13.1	12.7	0	1	6	Cellular Glass radiused	180	3.7745	Cellular Glass radiused	0.0741	-----	0.6	31.456	
150	25-FL-1151203-1SS-IC(100)	IC	33.4	33.4	0.6	0.4	0.4	1	2	0	Cellular Glass radiused	130	0.0268	Cellular Glass radiused	0.0123	-----	0.6	0.550	
151	200-NG-1151203-1SS-IC	IC	219.1	219.1	4.3	3.0	3.0	0	1	2	Cellular Glass radiused	180	0.9511	Cellular Glass radiused	0.0741	-----	0.6	8.373	
		IC	219.1	219.1	1.9	1.4	1.4	1	1	0	Cellular Glass radiused	180	0.3046	Cellular Glass radiused	0.1977	-----	0.6	4.084	
152	25-FL-1151205-1SS-IC(100)	IC	33.4	33.4	0.6	0.4	0.4	1	2	0	Cellular Glass radiused	130	0.0268	Cellular Glass radiused	0.0123	-----	0.6	0.550	
153	200-NG-1151205-1SS-IC	IC	219.1	219.1	2.4	1.4	1.4	2	1	0	Cellular Glass radiused	180	0.3074	Cellular Glass radiused	0.3212	-----	0.6	5.103	
154	200-NG-1151205-1SS-IC-1	IC	219.1	219.1	16.4	13.9	13.5	0	1	4	Cellular Glass radiused	180	3.6779	Cellular Glass radiused	0.0741	-----	0.6	30.666	
155	20-LNG-1141002-1SS-IC	IC	26.7	26.7	0.4	0.3	0.3	2	1	0	Cellular Glass radiused	120	0.0144	Cellular Glass radiused	0.0096	-----	0.6	0.370	
156	200-LNG-1141002-1SS-IC	IC	219.1	219.1	45.7	39.6	39.3	2	6	8	Cellular Glass radiused	180	10.0371	Cellular Glass radiused	0.6918	-----	0.6	87.635	
157	400-LNG-1141002-1SS-IC	IC	406.4	406.4	0.1	0.0	0.0	0	1	0	Cellular Glass radiused	210	0.0000	Cellular Glass radiused	0.2478	-----	0.6	1.582	
158	20-LNG-1141102-1SS-IC	IC	26.7	26.7	0.4	0.3	0.3	2	1	0	Cellular Glass radiused	120	0.0144	Cellular Glass radiused	0.0096	-----	0.6	0.370	
159	200-LNG-1141102-1SS-IC	IC	219.1	219.1	44.5	38.4	38.1	2	6	8	Cellular Glass radiused	180	9.7684	Cellular Glass radiused	0.6918	-----	0.6	85.438	
160	400-LNG-1141102-1SS-IC	IC	406.4	406.4	0.1	0.0	0.0	0	1	0	Cellular Glass radiused	210	0.0000	Cellular Glass radiused	0.2478	-----	0.6	1.582	
161	20-LNG-114802-1SS-IC	IC	26.7	26.7	0.4	0.3	0.3	2	1	0	Cellular Glass radiused	120	0.0144	Cellular Glass radiused	0.0096	-----	0.6	0.370	
162	200-LNG-114802-1SS-IC	IC	219.1	219.1	44.7	38.7	38.3	2	6	8	Cellular Glass radiused	180	9.8198	Cellular Glass radiused	0.6918	-----	0.6	85.859	
163	400-LNG-114802-1SS-IC	IC	406.4	406.4	0.1	0.0	0.0	0	1	0	Cellular Glass radiused	210	0.0000	Cellular Glass radiused	0.2478	-----	0.6	1.582	
164	20-LNG-114902-1SS-IC	IC	26.7	26.7	0.4	0.3	0.3	2	1	0	Cellular Glass radiused	120	0.0144	Cellular Glass radiused	0.0096	-----	0.6	0.370	
165	200-LNG-114902-1SS-IC	IC	219.1	219.1	44.7	38.7	38.3	2	6	8	Cellular Glass radiused	180	9.8198	Cellular Glass radiused	0.6918	-----	0.6	85.859	
166	400-LNG-114902-1SS-IC	IC	406.4	406.4	0.1	0.0	0.0	0	1	0	Cellular Glass radiused	210	0.0000	Cellular Glass radiused	0.2478	-----	0.6	1.582	
167	25-NG-112105-1SS-IC	IC	33.4	33.4	0.4	0.3	0.3	0	2	0	Cellular Glass radiused	130	0.0223	Cellular Glass radiused	0.0067	-----	0.6	0.410	
168	200-NG-112105-1SS-IC	IC	219.1	219.1	32.5	30.3	30.3	1	2	3	Cellular Glass radiused	180	7.2469	Cellular Glass radiused	0.2718	-----	0.6	61.438	
		IC	219.1	219.1	53.3	47.3	45.5	2	5	8	Cellular Glass radiused	180	11.7612	Cellular Glass radiused	0.6177	-----	0.6	101.133	
169	150-NG-119006-1SS-IC	IC	168.3	168.3	0.5	0.5	0.5	0	0	0	Cellular Glass radiused	180	0.0984	Cellular Glass radiused	0.0000	-----	0.6	0.842	
170	200-NG-119006-1SS-IC	IC	219.1	219.1	64.3	57.9	57.7	1	2	10	Cellular Glass radiused	180	14.4264	Cellular Glass radiused	0.2718	-----	0.6	120.134	
		IC	219.1	219.1	17.6	13.7	13.6	1	2	5	Cellular Glass radiused	180	3.7751	Cellular Glass radiused	0.2718	-----	0.6	33.054	
171	20-FE-11210-a-1SS-IC	IC	26.7	26.7	0.8	0.6	0.5	2	3	1	Cellular Glass radiused	120	0.0327	Cellular Glass radiused	0.0140	-----	0.6	0.724	
172	20-FE-11210b-1SS	IC	26.7	26.7	0.8	0.6	0.5	2	3	1	Cellular Glass radiused	120	0.0327	Cellular Glass radiused	0.0140	-----	0.6	0.724	
173	20-FE-11211a-1SS	IC	26.7	26.7	0.8	0.6	0.5	2	3	1	Cellular Glass radiused	120	0.0327	Cellular Glass radiused	0.0140	-----	0.6	0.724	
174	20-FE-11211b-1SS	IC	26.7	26.7	0.8	0.6	0.5	2	3	1	Cellular Glass radiused	120	0.0327	Cellular Glass radiused	0.0140	-----	0.6	0.724	
175	20-FE-11212a-1SS	IC	26.7	26.7	0.3	0.2	0.2	2	1	0	Cellular Glass radiused	120	0.0098	Cellular Glass radiused	0.0096	-----	0.6	0.298	
176	20-FE-11212b-1SS	IC	26.7	26.7	0.3	0.2	0.2	2	1	0	Cellular Glass radiused	120	0.0098	Cellular Glass radiused	0.0096	-----	0.6	0.298	
177	20-LNG-1141003-9SS-IC-1	IC	26.7	26.7	1.1	0.5	0.4	3	5	1	Cellular Glass radiused	120	0.0274	Cellular Glass radiused	0.0221	-----	0.6	0.762	



管道绝热一览表
PIPE INSULATION LIST

DOC.NO:GDLNG-PJ-TRM-DD-110-PCS-10.08-10003																			
序号 Ser. No	管线号 Line No.	绝热等级 Insulat. Code	管外径 Pipe OD ϕ mm	绝热材料内径 Insulat. Material ID ϕ mm	管道长度 Piping Length m	管道长度（除去绝热 盒、法兰、弯头） Piping Length (Except Insulat. Box, Flange, Elbow) m	管子长度 Pipe Length m	绝热盒数量 Insulat. Box QTY	法兰数 量 Flange QTY	弯头数 量 Elbow QTY	主保温层材料 Main Medium					保护层材料Jacketing			备注 Remarks
											材质 Material	厚度 Thkick- ness mm	数量 QTY.m3	绝热盒材质 Insulat. Box Material	数量 QTY. m3	材质 Material	厚度 Thic k- ness mm	面积 QTY. m²	
178	20-LNG-1141003-9SS-IC-2	IC	26.7	26.7	1.1	0.5	0.4	3	5	1	Cellular Glass radiused	120	0.0270	Cellular Glass radiused	0.0221	-----	0.6	0.757	
179	20-LNG-1141003-9SS-IC-3	IC	26.7	26.7	1.1	0.5	0.4	3	5	1	Cellular Glass radiused	120	0.0270	Cellular Glass radiused	0.0221	-----	0.6	0.757	
180	20-LNG-1141003-9SS-IC-4	IC	26.7	26.7	1.1	0.5	0.4	3	5	1	Cellular Glass radiused	120	0.0274	Cellular Glass radiused	0.0221	-----	0.6	0.762	
181	20-LNG-1141103-9SS-IC-1	IC	26.7	26.7	1.1	0.5	0.4	3	5	1	Cellular Glass radiused	120	0.0274	Cellular Glass radiused	0.0221	-----	0.6	0.762	
182	20-LNG-1141103-9SS-IC-2	IC	26.7	26.7	1.1	0.5	0.4	3	5	1	Cellular Glass radiused	120	0.0270	Cellular Glass radiused	0.0221	-----	0.6	0.757	
183	20-LNG-1141103-9SS-IC-3	IC	26.7	26.7	1.1	0.5	0.4	3	5	1	Cellular Glass radiused	120	0.0274	Cellular Glass radiused	0.0221	-----	0.6	0.762	
184	20-LNG-1141103-9SS-IC-4	IC	26.7	26.7	1.1	0.5	0.4	3	5	1	Cellular Glass radiused	120	0.0270	Cellular Glass radiused	0.0221	-----	0.6	0.757	
185	20-LNG-114803-9SS-IC-1	IC	26.7	26.7	1.1	0.5	0.4	3	5	1	Cellular Glass radiused	120	0.0274	Cellular Glass radiused	0.0221	-----	0.6	0.762	
186	20-LNG-114803-9SS-IC-2	IC	26.7	26.7	1.1	0.5	0.4	3	5	1	Cellular Glass radiused	120	0.0270	Cellular Glass radiused	0.0221	-----	0.6	0.757	
187	20-LNG-114803-9SS-IC-3	IC	26.7	26.7	1.1	0.5	0.4	3	5	1	Cellular Glass radiused	120	0.0270	Cellular Glass radiused	0.0221	-----	0.6	0.757	
188	20-LNG-114803-9SS-IC-4	IC	26.7	26.7	1.1	0.5	0.4	3	5	1	Cellular Glass radiused	120	0.0274	Cellular Glass radiused	0.0221	-----	0.6	0.762	
189	20-FT115101-9SS	IC	26.7	26.7	1.4	0.9	0.9	2	4	0	Cellular Glass radiused	120	0.0478	Cellular Glass radiused	0.0162	-----	0.6	0.992	
190	20- FT115101-9SS	IC	26.7	26.7	1.4	0.9	0.9	2	4	0	Cellular Glass radiused	120	0.0478	Cellular Glass radiused	0.0162	-----	0.6	0.992	
191	20- FT115111-9SS	IC	26.7	26.7	1.4	0.8	0.8	2	4	0	Cellular Glass radiused	120	0.0444	Cellular Glass radiused	0.0162	-----	0.6	0.939	
192	20-FT115111-9SS	IC	26.7	26.7	1.4	0.8	0.8	2	4	0	Cellular Glass radiused	120	0.0444	Cellular Glass radiused	0.0162	-----	0.6	0.939	
193	20-FT115121-9SS	IC	26.7	26.7	1.2	0.7	0.7	2	4	0	Cellular Glass radiused	120	0.0365	Cellular Glass radiused	0.0162	-----	0.6	0.816	
		IC	26.7	26.7	1.2	0.7	0.7	2	4	0	Cellular Glass radiused	120	0.0365	Cellular Glass radiused	0.0162	-----	0.6	0.816	
194	20-FT11591-9SS	IC	26.7	26.7	1.3	0.7	0.7	2	4	0	Cellular Glass radiused	120	0.0404	Cellular Glass radiused	0.0162	-----	0.6	0.877	
195	20- FT11591-9SS	IC	26.7	26.7	1.3	0.7	0.7	2	4	0	Cellular Glass radiused	120	0.0404	Cellular Glass radiused	0.0162	-----	0.6	0.877	
196	20-PT-5105-9SS	IC	26.7	26.7	1.8	1.1	1.1	3	3	1	Cellular Glass radiused	120	0.0631	Cellular Glass radiused	0.0177	-----	0.6	1.254	
197	25-NG-1151001-9SS-IC	IC	33.4	33.4	0.5	0.4	0.3	0	2	0	Cellular Glass radiused	130	0.0250	Cellular Glass radiused	0.0067	-----	0.6	0.447	
		IC	33.4	33.4	0.5	0.4	0.3	0	2	0	Cellular Glass radiused	130	0.0250	Cellular Glass radiused	0.0067	-----	0.6	0.447	
198	40-TT-5101C-9SS	IC	48.3	48.3	0.4	0.3	0.3	1	1	0	Cellular Glass radiused	130	0.0209	Cellular Glass radiused	0.0140	-----	0.6	0.473	
199	40-TT-5102-9SS	IC	48.3	48.3	0.4	0.3	0.3	1	1	0	Cellular Glass radiused	130	0.0209	Cellular Glass radiused	0.0140	-----	0.6	0.473	
200	40-TT-5101A-9SS	IC	48.3	48.3	0.4	0.3	0.3	1	1	0	Cellular Glass radiused	130	0.0209	Cellular Glass radiused	0.0140	-----	0.6	0.473	
201	40-TT-5101B-9SS	IC	48.3	48.3	0.4	0.3	0.3	1	1	0	Cellular Glass radiused	130	0.0209	Cellular Glass radiused	0.0140	-----	0.6	0.473	
202	250-NG-1151001-9SS-IC-2	IC	273.1	273.1	57.7	48.8	47.9	3	6	8	Cellular Glass radiused	190	15.1632	Cellular Glass radiused	1.2446	-----	0.6	123.205	
203	250-NG-1151001-9SS-IC-1	IC	273.1	273.1	26.2	22.2	22.2	0	1	5	Cellular Glass radiused	190	7.1925	Cellular Glass radiused	0.1131	-----	0.6	54.898	
204	20-PT-5115-9SS	IC	26.7	26.7	2.0	1.3	1.3	3	3	1	Cellular Glass radiused	120	0.0726	Cellular Glass radiused	0.0177	-----	0.6	1.401	
205	25-NG-1151101-9SS-IC-1	IC	33.4	33.4	0.6	0.4	0.4	0	2	0	Cellular Glass radiused	130	0.0298	Cellular Glass radiused	0.0067	-----	0.6	0.516	
206	25-NG-1151101-9SS-IC	IC	33.4	33.4	0.6	0.5	0.4	0	2	0	Cellular Glass radiused	130	0.0308	Cellular Glass radiused	0.0067	-----	0.6	0.530	
207	40-TT-5111B-9SS	IC	48.3	48.3	0.4	0.3	0.3	1	1	0	Cellular Glass radiused	130	0.0209	Cellular Glass radiused	0.0140	-----	0.6	0.472	
208	40-TT-5111A-9SS	IC	48.3	48.3	0.4	0.3	0.3	1	1	0	Cellular Glass radiused	130	0.0209	Cellular Glass radiused	0.0140	-----	0.6	0.472	
209	40-TT-5111C-9SS	IC	48.3	48.3	0.4	0.3	0.3	1	1	0	Cellular Glass radiused	130	0.0209	Cellular Glass radiused	0.0140	-----	0.6	0.472	



管道绝热一览表
PIPE INSULATION LIST

DOC.NO:GDLNG-PJ-TRM-DD-110-PCS-10.08-10003																			
序号 Ser. No	管线号 Line No.	绝热等级 Insulat. Code	管外径 Pipe OD ϕ mm	绝热材料内径 Insulat. Material ID ϕ mm	管道长度 Piping Length m	管道长度（除去绝热 盒、法兰、弯头） Piping Length (Except Insulat. Box, Flange, Elbow) m	管子长度 Pipe Length m	绝热盒数量 Insulat. Box QTY	法兰数 量 Flange QTY	弯头数 量 Elbow QTY	主保温层材料 Main Medium					保护层材料Jacketing			备注 Remarks
											材质 Material	厚度 Thkick- ness mm	数量 QTY.m3	绝热盒材质 Insulat. Box Material	数量 QTY. m3	材质 Material	厚度 Thic k- ness mm	面积 QTY. m²	
210	40-TT-5112-9SS	IC	48.3	48.3	0.4	0.3	0.3	1	1	0	Cellular Glass radiused	130	0.0209	Cellular Glass radiused	0.0140	-----	0.6	0.472	
211	250-NG-1151101-9SS-IC-2	IC	273.1	273.1	59.1	50.2	49.3	3	6	8	Cellular Glass radiused	190	15.5539	Cellular Glass radiused	1.2446	-----	0.6	126.141	
212	250-NG-1151101-9SS-IC-1	IC	273.1	273.1	26.2	22.2	22.2	0	1	5	Cellular Glass radiused	190	7.1980	Cellular Glass radiused	0.1131	-----	0.6	54.940	
213	20-PT115125-9SS	IC	26.7	26.7	2.2	1.5	1.4	3	3	1	Cellular Glass radiused	120	0.0818	Cellular Glass radiused	0.0177	-----	0.6	1.545	
214	25-NG-1151201-9SS-IC	IC	33.4	33.4	0.5	0.4	0.3	0	2	0	Cellular Glass radiused	130	0.0250	Cellular Glass radiused	0.0067	-----	0.6	0.447	
215	25-NG-1151201-9SS-IC-1	IC	33.4	33.4	0.5	0.4	0.3	0	2	0	Cellular Glass radiused	130	0.0250	Cellular Glass radiused	0.0067	-----	0.6	0.447	
216	40-TT-5121C-9SS	IC	48.3	48.3	0.5	0.3	0.3	1	1	0	Cellular Glass radiused	130	0.0211	Cellular Glass radiused	0.0140	-----	0.6	0.475	
217	40-TT-5121A-9SS	IC	48.3	48.3	0.5	0.3	0.3	1	1	0	Cellular Glass radiused	130	0.0211	Cellular Glass radiused	0.0140	-----	0.6	0.475	
218	40-TT-5122-9SS	IC	48.3	48.3	0.5	0.3	0.3	1	1	0	Cellular Glass radiused	130	0.0211	Cellular Glass radiused	0.0140	-----	0.6	0.475	
219	40-TT-5121B-9SS	IC	48.3	48.3	0.5	0.3	0.3	1	1	0	Cellular Glass radiused	130	0.0211	Cellular Glass radiused	0.0140	-----	0.6	0.475	
220	250-NG-1151201-9SS-IC-1	IC	273.1	273.1	26.2	22.2	22.2	0	1	5	Cellular Glass radiused	190	7.1940	Cellular Glass radiused	0.1131	-----	0.6	54.910	
221	250-NG-1151201-9SS-IC-2	IC	273.1	273.1	59.1	50.2	49.4	3	6	8	Cellular Glass radiused	190	15.5653	Cellular Glass radiused	1.2446	-----	0.6	126.227	
222	20-PT11595-9SS	IC	26.7	26.7	1.8	1.1	1.1	3	3	1	Cellular Glass radiused	120	0.0631	Cellular Glass radiused	0.0177	-----	0.6	1.254	
223	25-NG-115901-9SS-IC-1	IC	33.4	33.4	0.5	0.4	0.3	0	2	0	Cellular Glass radiused	130	0.0250	Cellular Glass radiused	0.0067	-----	0.6	0.447	
224	25-NG-115901-9SS-IC	IC	33.4	33.4	0.5	0.4	0.3	0	2	0	Cellular Glass radiused	130	0.0250	Cellular Glass radiused	0.0067	-----	0.6	0.447	
225	40- TT11592-9SS	IC	48.3	48.3	0.4	0.3	0.3	1	1	0	Cellular Glass radiused	130	0.0209	Cellular Glass radiused	0.0140	-----	0.6	0.472	
226	40-TT11592-9SS	IC	48.3	48.3	0.4	0.3	0.3	1	1	0	Cellular Glass radiused	130	0.0209	Cellular Glass radiused	0.0140	-----	0.6	0.472	
227	40- TT11592-9SS	IC	48.3	48.3	0.4	0.3	0.3	1	1	0	Cellular Glass radiused	130	0.0209	Cellular Glass radiused	0.0140	-----	0.6	0.472	
		IC	48.3	48.3	0.4	0.3	0.3	1	1	0	Cellular Glass radiused	130	0.0209	Cellular Glass radiused	0.0140	-----	0.6	0.472	
228	250-NG-115901-9SS-IC	IC	273.1	273.1	26.5	22.5	22.5	0	1	5	Cellular Glass radiused	190	7.2616	Cellular Glass radiused	0.1131	-----	0.6	55.417	
229	250-NG-115901-9SS-IC-2	IC	273.1	273.1	57.8	48.9	48.0	3	6	8	Cellular Glass radiused	190	15.1935	Cellular Glass radiused	1.2446	-----	0.6	123.432	
230	25-DR-1141002-9SS-IC	IC	33.4	33.4	15.2	13.9	13.9	3	6	6	Cellular Glass radiused	130	0.9378	Cellular Glass radiused	0.0368	-----	0.6	13.822	
231	25-DR-1141102-9SS-IC	IC	33.4	33.4	15.6	14.2	14.2	3	6	8	Cellular Glass radiused	130	0.9620	Cellular Glass radiused	0.0368	-----	0.6	14.166	
232	25-DR-114802-9SS-IC	IC	33.4	33.4	16.4	15.1	15.0	3	6	8	Cellular Glass radiused	130	1.0190	Cellular Glass radiused	0.0368	-----	0.6	14.976	
233	25-DR-114902-9SS-IC	IC	33.4	33.4	15.2	13.9	13.8	3	6	6	Cellular Glass radiused	130	0.9371	Cellular Glass radiused	0.0368	-----	0.6	13.813	
234	25-DR-1151001-9SS-IC	IC	33.4	33.4	8.9	7.9	7.9	2	4	5	Cellular Glass radiused	130	0.5377	Cellular Glass radiused	0.0245	-----	0.6	7.973	
235	25-DR-1151002-9SS-IC	IC	33.4	33.4	14.7	13.6	13.5	2	4	7	Cellular Glass radiused	130	0.9189	Cellular Glass radiused	0.0245	-----	0.6	13.385	
236	25-DR-1151101-9SS-IC	IC	33.4	33.4	9.6	8.6	8.6	2	4	5	Cellular Glass radiused	130	0.5840	Cellular Glass radiused	0.0245	-----	0.6	8.631	
237	25-DR-1151102-9SS-IC	IC	33.4	33.4	14.8	13.8	13.7	2	4	7	Cellular Glass radiused	130	0.9288	Cellular Glass radiused	0.0245	-----	0.6	13.526	
238	25-DR-1151201-9SS-IC	IC	33.4	33.4	9.1	8.2	8.1	2	4	5	Cellular Glass radiused	130	0.5521	Cellular Glass radiused	0.0245	-----	0.6	8.177	
239	25-DR-1151202-9SS-IC	IC	33.4	33.4	14.8	13.7	13.6	2	4	7	Cellular Glass radiused	130	0.9266	Cellular Glass radiused	0.0245	-----	0.6	13.495	
240	25-LNG-112105-1SS-IC	IC	33.4	33.4	0.9	0.6	0.5	1	1	1	Cellular Glass radiused	130	0.0416	Cellular Glass radiused	0.0089	-----	0.6	0.714	
		IC	33.4	33.4	0.2	0.1	0.1	1	2	0	Cellular Glass radiused	130	0.0051	Cellular Glass radiused	0.0123	-----	0.6	0.241	
241	25-LNG-112106-1SS-IC	IC	33.4	33.4	0.5	0.5	0.5	0	1	0	Cellular Glass radiused	130	0.0311	Cellular Glass radiused	0.0033	-----	0.6	0.488	



管道绝热一览表
PIPE INSULATION LIST

DOC.NO:GDLNG-PJ-TRM-DD-110-PCS-10.08-10003																			
序号 Ser. No	管线号 Line No.	绝热等级 Insulat. Code	管外径 Pipe OD ϕ mm	绝热材料内径 Insulat. Material ID ϕ mm	管道长度 Piping Length m	管道长度（除去绝热 盒、法兰、弯头） Piping Length (Except Insulat. Box, Flange, Elbow) m	管子长度 Pipe Length m	绝热盒数量 Insulat. Box QTY	法兰数 量 Flange QTY	弯头数 量 Elbow QTY	主保温层材料 Main Medium					保护层材料Jacketing			备注 Remarks
											材质 Material	厚度 Thkick- ness mm	数量 QTY.m3	绝热盒材质 Insulat. Box Material	数量 QTY. m3	材质 Material	厚度 Thic k- ness mm	面积 QTY. m²	
		IC	33.4	33.4	0.9	0.6	0.5	1	1	1	Cellular Glass radiused	130	0.0416	Cellular Glass radiused	0.0089		0.6	0.714	
		IC	33.4	33.4	0.2	0.1	0.1	1	2	0	Cellular Glass radiused	130	0.0051	Cellular Glass radiused	0.0123		0.6	0.241	
242	25-LNG-112107-1SS-IC	IC	33.4	33.4	0.2	0.0	0.0	1	2	0	Cellular Glass radiused	130	0.0033	Cellular Glass radiused	0.0123		0.6	0.217	
		IC	33.4	33.4	1.1	0.7	0.6	1	1	1	Cellular Glass radiused	130	0.0455	Cellular Glass radiused	0.0089		0.6	0.769	
243	25-LNG-1141004-9SS-IC	IC	33.4	33.4	3.5	2.7	2.7	2	3	2	Cellular Glass radiused	130	0.1862	Cellular Glass radiused	0.0212		0.6	2.936	
244	25-LNG-1141006-9SS-IC	IC	33.4	33.4	5.5	4.7	4.7	2	3	2	Cellular Glass radiused	130	0.3159	Cellular Glass radiused	0.0212		0.6	4.777	
245	25-LNG-1141009-1SS-IC	IC	33.4	33.4	2.6	2.3	2.3	1	1	1	Cellular Glass radiused	130	0.1553	Cellular Glass radiused	0.0089		0.6	2.328	
246	25-LNG-1141104-9SS-IC	IC	33.4	33.4	3.5	2.7	2.7	2	3	2	Cellular Glass radiused	130	0.1862	Cellular Glass radiused	0.0212		0.6	2.936	
247	25-LNG-1141106-9SS-IC	IC	33.4	33.4	5.5	4.7	4.7	2	3	2	Cellular Glass radiused	130	0.3159	Cellular Glass radiused	0.0212		0.6	4.777	
248	25-LNG-1141109-1SS-IC	IC	33.4	33.4	2.1	1.8	1.8	1	1	1	Cellular Glass radiused	130	0.1232	Cellular Glass radiused	0.0089		0.6	1.872	
249	25-LNG-114804-9SS-IC	IC	33.4	33.4	3.5	2.7	2.7	2	3	2	Cellular Glass radiused	130	0.1862	Cellular Glass radiused	0.0212		0.6	2.936	
250	25-LNG-114806-9SS-IC	IC	33.4	33.4	5.5	4.7	4.7	2	3	2	Cellular Glass radiused	130	0.3159	Cellular Glass radiused	0.0212		0.6	4.777	
251	25-LNG-114809-1SS-IC	IC	33.4	33.4	2.1	1.8	1.8	1	1	1	Cellular Glass radiused	130	0.1232	Cellular Glass radiused	0.0089		0.6	1.872	
252	25-LNG-114904-9SS-IC	IC	33.4	33.4	3.5	2.7	2.7	2	3	2	Cellular Glass radiused	130	0.1862	Cellular Glass radiused	0.0212		0.6	2.936	
253	25-LNG-114906-9SS-IC	IC	33.4	33.4	5.5	4.7	4.7	2	3	2	Cellular Glass radiused	130	0.3159	Cellular Glass radiused	0.0212		0.6	4.777	
254	25-LNG-114909-1SS-IC	IC	33.4	33.4	2.1	1.8	1.8	1	1	1	Cellular Glass radiused	130	0.1232	Cellular Glass radiused	0.0089		0.6	1.872	
255	25-LNG-1151002-9SS-IC	IC	33.4	33.4	2.0	1.2	1.2	2	3	1	Cellular Glass radiused	130	0.0848	Cellular Glass radiused	0.0212		0.6	1.496	
256	25-LNG-1151102-9SS-IC	IC	33.4	33.4	2.1	1.3	1.3	2	3	1	Cellular Glass radiused	130	0.0900	Cellular Glass radiused	0.0212		0.6	1.570	
257	25-LNG-1151202-9SS-IC	IC	33.4	33.4	2.3	1.5	1.5	2	3	1	Cellular Glass radiused	130	0.1022	Cellular Glass radiused	0.0212		0.6	1.743	
258	25-LT11210-I1-1SS-IC	IC	33.4	33.4	0.3	0.2	0.1	2	1	0	Cellular Glass radiused	130	0.0102	Cellular Glass radiused	0.0145		0.6	0.344	
259	50-LT11210-I1-1SS-IC	IC	60.3	60.3	0.1	0.0	0.0	0	1	0	Cellular Glass radiused	140	0.0000	Cellular Glass radiused	0.0080		0.6	0.097	
260	25-LT11210-I2-1SS-IC	IC	33.4	33.4	0.3	0.2	0.1	2	1	0	Cellular Glass radiused	130	0.0118	Cellular Glass radiused	0.0145		0.6	0.367	
261	50-LT11210-I2-1SS-IC	IC	60.3	60.3	0.5	0.3	0.3	0	1	1	Cellular Glass radiused	140	0.0397	Cellular Glass radiused	0.0080		0.6	0.590	
262	25-LT11211-J1-1SS-IC	IC	33.4	33.4	0.3	0.2	0.1	2	1	0	Cellular Glass radiused	130	0.0102	Cellular Glass radiused	0.0145		0.6	0.344	
263	50-LT11211-J1-1SS-IC	IC	60.3	60.3	0.1	0.0	0.0	0	1	0	Cellular Glass radiused	140	0.0000	Cellular Glass radiused	0.0080		0.6	0.097	
264	25-LT11211-J2-1SS-IC	IC	33.4	33.4	0.6	0.5	0.4	2	1	0	Cellular Glass radiused	130	0.0316	Cellular Glass radiused	0.0145		0.6	0.648	
265	50-LT11211-J2-1SS-IC	IC	60.3	60.3	0.6	0.4	0.4	0	1	1	Cellular Glass radiused	140	0.0445	Cellular Glass radiused	0.0080		0.6	0.649	
266	25-N-111202-1SS-IC	IC	33.4	33.4	1.1	0.7	0.6	2	3	1	Cellular Glass radiused	130	0.0452	Cellular Glass radiused	0.0212		0.6	0.934	
267	25-N-111204-1SS-IC	IC	33.4	33.4	1.0	0.7	0.6	2	3	1	Cellular Glass radiused	130	0.0464	Cellular Glass radiused	0.0212		0.6	0.952	
268	25-N-111206-1SS-IC	IC	33.4	33.4	2.7	2.2	2.2	2	3	2	Cellular Glass radiused	130	0.1526	Cellular Glass radiused	0.0212		0.6	2.459	
269	25-N-111208-1SS-IC	IC	33.4	33.4	2.3	1.9	1.9	2	3	2	Cellular Glass radiused	130	0.1300	Cellular Glass radiused	0.0212		0.6	2.138	
270	25-N-112101-1SS-IC	IC	33.4	33.4	1.2	0.9	0.9	1	2	1	Cellular Glass radiused	130	0.0618	Cellular Glass radiused	0.0123		0.6	1.047	
271	25-N-112102-1SS-IC	IC	33.4	33.4	1.6	1.1	1.1	1	2	1	Cellular Glass radiused	130	0.0751	Cellular Glass radiused	0.0123		0.6	1.235	
272	25-N-1141001-1SS-IC	IC	33.4	33.4	2.5	2.3	2.2	1	2	1	Cellular Glass radiused	130	0.1527	Cellular Glass radiused	0.0123		0.6	2.337	



管道绝热一览表
PIPE INSULATION LIST

DOC.NO:GDLNG-PJ-TRM-DD-110-PCS-10.08-10003																			
序号 Ser. No	管线号 Line No.	绝热等级 Insulat. Code	管外径 Pipe OD ϕ mm	绝热材料内径 Insulat. Material ID ϕ mm	管道长度 Piping Length m	管道长度（除去绝热 盒、法兰、弯头） Piping Length (Except Insulat. Box, Flange, Elbow) m	管子长度 Pipe Length m	绝热盒数量 Insulat. Box QTY	法兰数 量 Flange QTY	弯头数 量 Elbow QTY	主保温层材料 Main Medium					保护层材料Jacketing			备注 Remarks
											材质 Material	厚度 Thkick- ness mm	数量 QTY.m3	绝热盒材质 Insulat. Box Material	数量 QTY. m3	材质 Material	厚度 Thic k- ness mm	面积 QTY. m²	
273	25-N-1141101-1SS-IC	IC	33.4	33.4	2.1	1.8	1.7	1	2	1	Cellular Glass radiused	130	0.1205	Cellular Glass radiused	0.0123	-----	0.6	1.881	
274	25-N-114801-1SS-IC	IC	33.4	33.4	2.1	1.8	1.7	1	2	1	Cellular Glass radiused	130	0.1205	Cellular Glass radiused	0.0123	-----	0.6	1.881	
275	25-N-114901-1SS-IC	IC	33.4	33.4	2.1	1.8	1.7	1	2	1	Cellular Glass radiused	130	0.1205	Cellular Glass radiused	0.0123	-----	0.6	1.881	
276	25-N-1151001-9SS-IC	IC	33.4	33.4	2.1	1.4	1.3	2	4	1	Cellular Glass radiused	130	0.0922	Cellular Glass radiused	0.0245	-----	0.6	1.648	
277	25-N-1151101-9SS-IC	IC	33.4	33.4	1.7	1.0	0.9	2	4	1	Cellular Glass radiused	130	0.0658	Cellular Glass radiused	0.0245	-----	0.6	1.273	
278	25-N-1151201-9SS-IC	IC	33.4	33.4	2.0	1.3	1.2	2	4	1	Cellular Glass radiused	130	0.0860	Cellular Glass radiused	0.0245	-----	0.6	1.559	
279	25-N-119010-1SS-IC	IC	33.4	33.4	1.0	0.8	0.7	1	2	0	Cellular Glass radiused	130	0.0521	Cellular Glass radiused	0.0123	-----	0.6	0.908	
280	300-LNG-1101A-ISS-PP	IC	323.9	323.9	36.0	32.3	32.3	0	0	4	Cellular Glass radiused	200	11.8356	Cellular Glass radiused	0.0000	-----	0.6	82.698	
		IC	323.9	323.9	13.8	12.0	11.5	0	0	2	Cellular Glass radiused	200	4.5548	Cellular Glass radiused	0.0000	-----	0.6	31.826	
281	300-LNG-1105-1SS-PP	IC	323.9	323.9	0.8	0.8	0.8	0	0	0	Cellular Glass radiused	200	0.2495	Cellular Glass radiused	0.0000	-----	0.6	1.743	
		IC	323.9	323.9	0.8	0.8	0.8	0	0	0	Cellular Glass radiused	200	0.2495	Cellular Glass radiused	0.0000	-----	0.6	1.743	
		IC	323.9	323.9	0.8	0.8	0.8	0	0	0	Cellular Glass radiused	200	0.2495	Cellular Glass radiused	0.0000	-----	0.6	1.743	
		IC	323.9	323.9	30.8	28.0	26.5	0	0	3	Cellular Glass radiused	200	10.1244	Cellular Glass radiused	0.0000	-----	0.6	70.741	
282	50-LNG-111712-1SS -IC	IC	60.3	60.3	3.3	2.0	1.9	2	4	2	Cellular Glass radiused	140	0.2040	Cellular Glass radiused	0.0584	-----	0.6	3.244	
283	300-LNG-111712-1SS -IC	IC	323.9	323.9	64.3	61.5	61.5	3	4	2	Cellular Glass radiused	200	20.8252	Cellular Glass radiused	1.4383	-----	0.6	155.447	
284	25-LNG-112101-1SS-IC	IC	33.4	33.4	0.5	0.3	0.3	0	2	0	Cellular Glass radiused	130	0.0207	Cellular Glass radiused	0.0067	-----	0.6	0.387	
285	200-LNG-112101-1SS-IC	IC	219.1	219.1	0.4	0.2	0.0	0	1	0	Cellular Glass radiused	180	0.0458	Cellular Glass radiused	0.0741	-----	0.6	0.972	
286	300-LNG-112101-1SS-IC	IC	323.9	323.9	17.4	13.6	13.6	0	1	4	Cellular Glass radiused	200	5.6714	Cellular Glass radiused	0.1598	-----	0.6	40.731	
287	300-LNG-112101-9SS-IC	IC	323.9	323.9	73.4	61.9	61.9	2	2	10	Cellular Glass radiused	200	23.3861	Cellular Glass radiused	0.8523	-----	0.6	169.292	
288	300-LNG-112104-1SS-IC	IC	323.9	323.9	39.3	27.5	27.1	4	9	10	Cellular Glass radiused	200	12.0636	Cellular Glass radiused	2.5037	-----	0.6	101.589	
289	300-LNG-119404-1SS-IC	IC	323.9	323.9	9.5	7.8	7.8	2	4	1	Cellular Glass radiused	200	2.8589	Cellular Glass radiused	1.1719	-----	0.6	28.072	
290	20-NG-112106-1SS-IC	IC	26.7	26.7	0.5	0.4	0.4	2	1	1	Cellular Glass radiused	120	0.0223	Cellular Glass radiused	0.0096	-----	0.6	0.493	
291	25-NG-112106-1SS-IC	IC	33.4	33.4	0.4	0.2	0.2	0	2	0	Cellular Glass radiused	130	0.0139	Cellular Glass radiused	0.0067	-----	0.6	0.289	
		IC	33.4	33.4	0.9	0.5	0.5	1	2	1	Cellular Glass radiused	130	0.0347	Cellular Glass radiused	0.0123	-----	0.6	0.662	
292	40-NG-112106-1SS-IC	IC	48.3	48.3	0.5	0.3	0.2	1	1	0	Cellular Glass radiused	130	0.0206	Cellular Glass radiused	0.0140	-----	0.6	0.468	
293	400-NG-112106-1SS-IC	IC	406.4	406.4	35.7	24.8	24.7	3	9	6	Cellular Glass radiused	210	13.0415	Cellular Glass radiused	3.4688	-----	0.6	106.232	
294	25-LNG-1141008-9SS-IC	IC	33.4	33.4	0.9	0.3	0.3	2	4	0	Cellular Glass radiused	130	0.0182	Cellular Glass radiused	0.0245	-----	0.6	0.597	
		IC	33.4	33.4	0.8	0.2	0.2	2	4	0	Cellular Glass radiused	130	0.0139	Cellular Glass radiused	0.0245	-----	0.6	0.536	
		IC	33.4	33.4	0.9	0.3	0.3	2	4	0	Cellular Glass radiused	130	0.0174	Cellular Glass radiused	0.0245	-----	0.6	0.586	
		IC	33.4	33.4	1.0	0.4	0.3	2	3	0	Cellular Glass radiused	130	0.0240	Cellular Glass radiused	0.0212	-----	0.6	0.633	
295	40-LNG-1141008-9SS-IC	IC	48.3	48.3	17.8	16.0	15.8	3	4	6	Cellular Glass radiused	130	1.1802	Cellular Glass radiused	0.0474	-----	0.6	16.747	
296	25-LNG-1141108-9SS-IC	IC	33.4	33.4	0.9	0.3	0.3	2	4	0	Cellular Glass radiused	130	0.0182	Cellular Glass radiused	0.0245	-----	0.6	0.597	
		IC	33.4	33.4	0.8	0.2	0.2	2	4	0	Cellular Glass radiused	130	0.0139	Cellular Glass radiused	0.0245	-----	0.6	0.536	
		IC	33.4	33.4	0.9	0.3	0.3	2	4	0	Cellular Glass radiused	130	0.0174	Cellular Glass radiused	0.0245	-----	0.6	0.586	



管道绝热一览表
PIPE INSULATION LIST

DOC.NO:GDLNG-PJ-TRM-DD-110-PCS-10.08-10003																			
序号 Ser. No	管线号 Line No.	绝热等级 Insulat. Code	管外径 Pipe OD ϕ mm	绝热材料内径 Insulat. Material ID ϕ mm	管道长度 Piping Length m	管道长度（除去绝热 盒、法兰、弯头） Piping Length (Except Insulat. Box, Flange, Elbow) m	管子长度 Pipe Length m	绝热盒数量 Insulat. Box QTY	法兰数 量 Flange QTY	弯头数 量 Elbow QTY	主保温层材料 Main Medium					保护层材料Jacketing			备注 Remarks
											材质 Material	厚度 Thick- ness mm	数量 QTY.m3	绝热盒材质 Insulat. Box Material	数量 QTY. m3	材质 Material	厚度 Thic k- ness mm	面积 QTY. m²	
		IC	33.4	33.4	1.0	0.4	0.3	2	3	0	Cellular Glass radiused	130	0.0240	Cellular Glass radiused	0.0212		0.6	0.633	
297	40-LNG-1141108-9SS-IC	IC	48.3	48.3	17.9	16.2	16.0	3	4	6	Cellular Glass radiused	130	1.1918	Cellular Glass radiused	0.0474		0.6	16.906	
298	25-LNG-114808-9SS-IC	IC	33.4	33.4	1.0	0.4	0.3	2	3	0	Cellular Glass radiused	130	0.0240	Cellular Glass radiused	0.0212		0.6	0.633	
		IC	33.4	33.4	0.9	0.3	0.3	2	4	0	Cellular Glass radiused	130	0.0182	Cellular Glass radiused	0.0245		0.6	0.597	
		IC	33.4	33.4	0.8	0.2	0.2	2	4	0	Cellular Glass radiused	130	0.0139	Cellular Glass radiused	0.0245		0.6	0.536	
		IC	33.4	33.4	0.9	0.3	0.3	2	4	0	Cellular Glass radiused	130	0.0174	Cellular Glass radiused	0.0245		0.6	0.586	
299	40-LNG-114808-9SS-IC	IC	48.3	48.3	17.9	16.1	15.9	3	4	6	Cellular Glass radiused	130	1.1874	Cellular Glass radiused	0.0474		0.6	16.846	
300	25-LNG-114908-9SS-IC	IC	33.4	33.4	1.0	0.4	0.3	2	3	0	Cellular Glass radiused	130	0.0240	Cellular Glass radiused	0.0212		0.6	0.633	
		IC	33.4	33.4	0.9	0.3	0.3	2	4	0	Cellular Glass radiused	130	0.0182	Cellular Glass radiused	0.0245		0.6	0.597	
		IC	33.4	33.4	0.8	0.2	0.2	2	4	0	Cellular Glass radiused	130	0.0139	Cellular Glass radiused	0.0245		0.6	0.536	
		IC	33.4	33.4	0.9	0.3	0.3	2	4	0	Cellular Glass radiused	130	0.0174	Cellular Glass radiused	0.0245		0.6	0.586	
301	40-LNG-114908-9SS-IC	IC	48.3	48.3	17.8	16.1	15.9	3	4	6	Cellular Glass radiused	130	1.1853	Cellular Glass radiused	0.0474		0.6	16.817	
302	450-LNG-112102-1SS-IC	IC	457.2	457.2	30.6	21.5	21.5	1	3	6	Cellular Glass radiused	210	13.0891	Cellular Glass radiused	1.4080		0.6	91.528	
303	450-LNG-119406-1SS-IC	IC	457.2	457.2	1.2	0.9	0.9	0	1	0	Cellular Glass radiused	210	0.4130	Cellular Glass radiused	0.3017		0.6	4.499	
		IC	457.2	457.2	10.7	7.5	7.5	1	2	2	Cellular Glass radiused	210	4.4976	Cellular Glass radiused	1.1063		0.6	35.348	
304	50-LNG-119504-9SS-IC	IC	60.3	60.3	1.4	0.3	0.3	2	1	0	Cellular Glass radiused	140	0.0283	Cellular Glass radiused	0.0345		0.6	0.771	
305	450-LNG-119504-9SS-IC	IC	457.2	457.2	32.9	29.9	29.9	0	2	2	Cellular Glass radiused	210	14.3775	Cellular Glass radiused	0.6034		0.6	94.633	
306	600-LNG-119504-9SS-IC	IC	609.6	609.6	0.5	0.5	0.0	0	0	0	Cellular Glass radiused	220	0.2911	Cellular Glass radiused	0.0000		0.6	1.687	
307	40-DR-1141001-1SS-IC	IC	48.3	48.3	0.3	0.2	0.2	1	1	0	Cellular Glass radiused	130	0.0161	Cellular Glass radiused	0.0140		0.6	0.406	
308	50-DR-1141001-1SS-IC	IC	60.3	60.3	26.9	25.5	25.5	1	2	7	Cellular Glass radiused	140	2.3416	Cellular Glass radiused	0.0292		0.6	29.453	
		IC	60.3	60.3	1.8	1.8	1.7	0	0	0	Cellular Glass radiused	140	0.1615	Cellular Glass radiused	0.0000		0.6	2.006	
309	100-DR-1141001-1SS-IC	IC	114.3	114.3	0.6	0.6	0.5	0	0	0	Cellular Glass radiused	160	0.0761	Cellular Glass radiused	0.0000		0.6	0.767	
310	40-DR-1141101-1SS-IC	IC	48.3	48.3	0.3	0.2	0.2	1	1	0	Cellular Glass radiused	130	0.0161	Cellular Glass radiused	0.0140		0.6	0.406	
311	50-DR-1141101-1SS-IC	IC	60.3	60.3	26.9	25.5	25.5	1	2	7	Cellular Glass radiused	140	2.3398	Cellular Glass radiused	0.0292		0.6	29.431	
		IC	60.3	60.3	1.8	1.8	1.7	0	0	0	Cellular Glass radiused	140	0.1615	Cellular Glass radiused	0.0000		0.6	2.006	
312	100-DR-1141101-1SS-IC	IC	114.3	114.3	0.6	0.6	0.5	0	0	0	Cellular Glass radiused	160	0.0761	Cellular Glass radiused	0.0000		0.6	0.767	
313	40-DR-114801-1SS-IC	IC	48.3	48.3	0.3	0.2	0.2	1	1	0	Cellular Glass radiused	130	0.0161	Cellular Glass radiused	0.0140		0.6	0.406	
314	50-DR-114801-1SS-IC	IC	60.3	60.3	26.1	24.8	24.8	1	2	7	Cellular Glass radiused	140	2.2744	Cellular Glass radiused	0.0292		0.6	28.618	
		IC	60.3	60.3	1.8	1.8	1.7	0	0	0	Cellular Glass radiused	140	0.1615	Cellular Glass radiused	0.0000		0.6	2.006	
315	100-DR-114801-1SS-IC	IC	114.3	114.3	0.6	0.6	0.5	0	0	0	Cellular Glass radiused	160	0.0761	Cellular Glass radiused	0.0000		0.6	0.767	
316	40-DR-114901-1SS-IC	IC	48.3	48.3	0.3	0.2	0.2	1	1	0	Cellular Glass radiused	130	0.0161	Cellular Glass radiused	0.0140		0.6	0.406	
317	50-DR-114901-1SS-IC	IC	60.3	60.3	26.7	25.3	25.3	1	2	7	Cellular Glass radiused	140	2.3202	Cellular Glass radiused	0.0292		0.6	29.188	
		IC	60.3	60.3	1.8	1.8	1.7	0	0	0	Cellular Glass radiused	140	0.1615	Cellular Glass radiused	0.0000		0.6	2.006	
318	100-DR-114901-1SS-IC	IC	114.3	114.3	0.6	0.6	0.5	0	0	0	Cellular Glass radiused	160	0.0761	Cellular Glass radiused	0.0000		0.6	0.767	



管道绝热一览表
PIPE INSULATION LIST

DOC.NO:GDLNG-PJ-TRM-DD-110-PCS-10.08-10003																			
序号 Ser. No	管线号 Line No.	绝热等级 Insulat. Code	管外径 Pipe OD ϕ mm	绝热材料内径 Insulat. Material ID ϕ mm	管道长度 Piping Length m	管道长度（除去绝热 盒、法兰、弯头） Piping Length (Except Insulat. Box, Flange, Elbow) m	管子长度 Pipe Length m	绝热盒数量 Insulat. Box QTY	法兰数 量 Flange QTY	弯头数 量 Elbow QTY	主保温层材料 Main Medium					保护层材料Jacketing			备注 Remarks
											材质 Material	厚度 Thkick- ness mm	数量 QTY. m3	绝热盒材质 Insulat. Box Material	数量 QTY. m3	材质 Material	厚度 Thic k- ness mm	面积 QTY. m²	
319	50-DR-1159503-9SS-IC	IC	60.3	60.3	6.4	4.8	4.8	2	2	2	Cellular Glass radiused	140	0.4525	Cellular Glass radiused	0.0425	-----	0.6	6.139	
320	25-DR-119502-9SS-IC	IC	33.4	33.4	6.6	6.5	6.4	0	0	2	Cellular Glass radiused	130	0.4383	Cellular Glass radiused	0.0000	-----	0.6	6.222	
321	50-DR-119502-9SS -IC	IC	60.3	60.3	97.1	97.0	96.9	0	2	0	Cellular Glass radiused	140	8.5409	Cellular Glass radiused	0.0159	-----	0.6	106.332	
322	50-DR-119504-1SS-IC	IC	60.3	60.3	45.4	45.0	44.5	0	1	2	Cellular Glass radiused	140	3.9899	Cellular Glass radiused	0.0080	-----	0.6	49.679	
323	50-DR-119506-9SS-IC	IC	60.3	60.3	40.2	39.7	39.7	0	3	2	Cellular Glass radiused	140	3.5205	Cellular Glass radiused	0.0239	-----	0.6	44.039	
324	25-FL-1151006-9SS-IC	IC	33.4	33.4	0.7	0.2	0.1	2	2	0	Cellular Glass radiused	130	0.0121	Cellular Glass radiused	0.0178	-----	0.6	0.418	
325	50-FL-1151006-1SS-IC(80)	IC	60.3	60.3	3.5	2.8	2.8	0	1	3	Cellular Glass radiused	140	0.2879	Cellular Glass radiused	0.0080	-----	0.6	3.675	
		IC	60.3	60.3	21.1	19.0	19.0	2	3	6	Cellular Glass radiused	140	1.7556	Cellular Glass radiused	0.0505	-----	0.6	22.429	
326	25-FL-1151106-9SS-IC(80)	IC	33.4	33.4	1.0	0.4	0.3	2	4	0	Cellular Glass radiused	130	0.0254	Cellular Glass radiused	0.0245	-----	0.6	0.699	
327	50-FL-1151106-1SS-IC(80)	IC	60.3	60.3	3.7	3.0	3.0	0	1	3	Cellular Glass radiused	140	0.3071	Cellular Glass radiused	0.0080	-----	0.6	3.913	
328	50-FL-1151106-9SS-IC(80)	IC	60.3	60.3	20.8	18.7	18.7	2	3	6	Cellular Glass radiused	140	1.7286	Cellular Glass radiused	0.0505	-----	0.6	22.093	
329	25-FL-1151206-1SS-IC(80)	IC	33.4	33.4	0.8	0.2	0.2	2	2	0	Cellular Glass radiused	130	0.0140	Cellular Glass radiused	0.0178	-----	0.6	0.446	
330	50-FL-1151206-1SS-IC	IC	60.3	60.3	3.1	2.4	2.4	0	1	3	Cellular Glass radiused	140	0.2543	Cellular Glass radiused	0.0080	-----	0.6	3.257	
331	50-FL-1151206-9SS-IC(80)	IC	60.3	60.3	20.6	18.6	18.5	2	3	6	Cellular Glass radiused	140	1.7168	Cellular Glass radiused	0.0505	-----	0.6	21.947	
332	50-LNG-1141001-1SS-IC	IC	60.3	60.3	21.6	19.6	19.4	2	4	8	Cellular Glass radiused	140	1.8327	Cellular Glass radiused	0.0584	-----	0.6	23.484	
333	50-LNG-1141101-1SS-IC	IC	60.3	60.3	21.6	19.5	19.4	2	5	8	Cellular Glass radiused	140	1.8285	Cellular Glass radiused	0.0664	-----	0.6	23.529	
334	50-LNG-114801-1SS-IC	IC	60.3	60.3	21.0	19.0	18.8	2	4	8	Cellular Glass radiused	140	1.7810	Cellular Glass radiused	0.0584	-----	0.6	22.842	
335	50-LNG-114901-1SS-IC	IC	60.3	60.3	21.0	19.1	18.9	2	4	8	Cellular Glass radiused	140	1.7859	Cellular Glass radiused	0.0584	-----	0.6	22.903	
336	50-LNG-119508-1SS-IC	IC	60.3	60.3	50.9	49.3	49.3	0	1	8	Cellular Glass radiused	140	4.4483	Cellular Glass radiused	0.0080	-----	0.6	55.376	
337	50-N-112104-1SS-IC	IC	60.3	60.3	0.2	0.0	0.0	1	1	0	Cellular Glass radiused	140	0.0000	Cellular Glass radiused	0.0212	-----	0.6	0.258	
338	25-NG-112107-1SS-IC	IC	33.4	33.4	0.4	0.3	0.2	1	2	0	Cellular Glass radiused	130	0.0187	Cellular Glass radiused	0.0123	-----	0.6	0.435	
339	50-NG-112107-1SS-IC	IC	60.3	60.3	9.5	8.2	8.1	3	4	4	Cellular Glass radiused	140	0.7728	Cellular Glass radiused	0.0717	-----	0.6	10.475	
340	50-NG-1151002-9SS-IC	IC	60.3	60.3	3.6	1.8	1.8	3	4	3	Cellular Glass radiused	140	0.1991	Cellular Glass radiused	0.0717	-----	0.6	3.345	
341	50-NG-1151102-9SS-IC	IC	60.3	60.3	3.9	2.1	2.0	3	4	3	Cellular Glass radiused	140	0.2236	Cellular Glass radiused	0.0717	-----	0.6	3.649	
342	50-NG-1151202-9SS-IC	IC	60.3	60.3	3.5	1.7	1.7	3	4	3	Cellular Glass radiused	140	0.1933	Cellular Glass radiused	0.0717	-----	0.6	3.272	
343	2-V1101A-TT11213-1SS-IC	IC	60.3	60.3	0.3	0.1	0.1	1	2	0	Cellular Glass radiused	140	0.0101	Cellular Glass radiused	0.0292	-----	0.6	0.480	
344	20-LNG-119403-1SS-IC	IC	26.7	26.7	0.6	0.4	0.4	2	1	1	Cellular Glass radiused	120	0.0247	Cellular Glass radiused	0.0096	-----	0.6	0.530	
345	25-LNG-119403-1SS-IC	IC	33.4	33.4	0.3	0.2	0.1	0	2	0	Cellular Glass radiused	130	0.0122	Cellular Glass radiused	0.0067	-----	0.6	0.265	
346	80-LNG-119403-1SS-IC	IC	88.9	88.9	0.3	0.3	0.1	0	1	0	Cellular Glass radiused	160	0.0328	Cellular Glass radiused	0.0167	-----	0.6	0.515	
		IC	88.9	88.9	0.3	0.3	0.2	0	0	0	Cellular Glass radiused	160	0.0372	Cellular Glass radiused	0.0000	-----	0.6	0.390	
347	150-LNG-119403-1SS-IC	IC	168.3	168.3	18.9	14.3	14.2	2	3	7	Cellular Glass radiused	180	3.4475	Cellular Glass radiused	0.3147	-----	0.6	32.154	
348	300-LNG-119403-1SS-IC	IC	323.9	323.9	0.7	0.6	0.2	0	1	0	Cellular Glass radiused	200	0.1965	Cellular Glass radiused	0.1598	-----	0.6	2.477	
		IC	323.9	323.9	1.8	0.8	0.0	1	2	0	Cellular Glass radiused	200	0.2507	Cellular Glass radiused	0.5860	-----	0.6	5.800	
		IC	323.9	323.9	0.7	0.6	0.2	0	1	0	Cellular Glass radiused	200	0.1879	Cellular Glass radiused	0.1598	-----	0.6	2.417	



管道绝热一览表 PIPE INSULATION LIST

序号 Ser. No	管线号 Line No.	绝热等级 Insulat. Code	管外径 Pipe OD ϕ mm	绝热材料内径 Insulat. Material ID ϕ mm	管道长度 Piping Length m	管道长度（除去绝热 盒、法兰、弯头） Piping Length (Except Insulat. Box, Flange, Elbow) m	管子长度 Pipe Length m	绝热盒数量 Insulat. Box QTY	法兰数 量 Flange QTY	弯头数 量 Elbow QTY	主保温层材料 Main Medium					保护层材料Jacketing			备注 Remarks
											材质 Material	厚度 Thkick- ness mm	数量 QTY.m3	绝热盒材质 Insulat. Box Material	数量 QTY. m3	材质 Material	厚度 Thic k- ness mm	面积 QTY. m²	
349	450-LNG-119403-1SS-IC	IC	406.4	406.4	0.5	0.5	0.0	0	0	0	Cellular Glass radiused	210	0.2065	Cellular Glass radiused	0.0000	-----	0.6	1.331	
		IC	406.4	406.4	0.5	0.5	0.0	0	0	0	Cellular Glass radiused	210	0.2065	Cellular Glass radiused	0.0000	-----	0.6	1.331	
350	600-LNG-119403-1SS-IC	IC	457.2	457.2	5.3	2.5	2.5	0	0	2	Cellular Glass radiused	210	2.3138	Cellular Glass radiused	0.0000	-----	0.6	14.621	
351	600-LNG-119403-1SS-IC	IC	609.6	609.6	22.9	16.0	16.0	2	4	3	Cellular Glass radiused	220	12.3038	Cellular Glass radiused	3.8429	-----	0.6	93.410	
352	600-LNG-119403-1SS-IC	IC	609.6	609.6	38.9	27.5	22.3	3	4	5	Cellular Glass radiused	220	21.0168	Cellular Glass radiused	4.7163	-----	0.6	148.932	
353	25-LNG-119403-1SS-IC-1	IC	33.4	33.4	0.4	0.2	0.1	1	2	0	Cellular Glass radiused	130	0.0116	Cellular Glass radiused	0.0123	-----	0.6	0.334	
		IC	33.4	33.4	0.7	0.3	0.2	1	2	0	Cellular Glass radiused	130	0.0185	Cellular Glass radiused	0.0123	-----	0.6	0.432	
354	150-LNG-119403-1SS-IC-1	IC	168.3	168.3	10.0	9.0	8.9	1	4	0	Cellular Glass radiused	180	1.7699	Cellular Glass radiused	0.2816	-----	0.6	17.519	
355	600-LNG-119403-1SS-IC-1	IC	609.6	609.6	587.3	543.6	539.3	6	4	23	Cellular Glass radiused	220	335.6420	Cellular Glass radiused	7.3364	-----	0.6	1987.499	
356	20-LNG-119403-1SS-IC-2	IC	26.7	26.7	0.3	0.2	0.2	2	1	0	Cellular Glass radiused	120	0.0095	Cellular Glass radiused	0.0096	-----	0.6	0.294	
		IC	26.7	26.7	0.3	0.2	0.2	2	1	0	Cellular Glass radiused	120	0.0098	Cellular Glass radiused	0.0096	-----	0.6	0.298	
		IC	26.7	26.7	0.3	0.2	0.2	2	1	0	Cellular Glass radiused	120	0.0094	Cellular Glass radiused	0.0096	-----	0.6	0.291	
		IC	26.7	26.7	0.3	0.2	0.2	2	1	0	Cellular Glass radiused	120	0.0099	Cellular Glass radiused	0.0096	-----	0.6	0.300	
357	25-LNG-119403-1SS-IC-2	IC	33.4	33.4	0.6	0.3	0.2	0	2	0	Cellular Glass radiused	130	0.0178	Cellular Glass radiused	0.0067	-----	0.6	0.345	
358	40-LNG-119403-1SS-IC-2	IC	48.3	48.3	0.5	0.2	0.2	1	1	0	Cellular Glass radiused	130	0.0157	Cellular Glass radiused	0.0140	-----	0.6	0.401	
		IC	48.3	48.3	0.5	0.2	0.2	1	1	0	Cellular Glass radiused	130	0.0164	Cellular Glass radiused	0.0140	-----	0.6	0.410	
		IC	48.3	48.3	0.5	0.2	0.1	1	1	0	Cellular Glass radiused	130	0.0132	Cellular Glass radiused	0.0140	-----	0.6	0.367	
		IC	48.3	48.3	0.5	0.2	0.2	1	1	0	Cellular Glass radiused	130	0.0148	Cellular Glass radiused	0.0140	-----	0.6	0.390	
359	150-LNG-119403-1SS-IC-2	IC	168.3	168.3	1.5	0.7	0.6	1	2	0	Cellular Glass radiused	180	0.1369	Cellular Glass radiused	0.1822	-----	0.6	2.706	
360	500-LNG-119403-1SS-IC-2	IC	508.0	508.0	1.5	1.4	0.8	0	1	0	Cellular Glass radiused	220	0.6827	Cellular Glass radiused	0.3832	-----	0.6	6.344	
361	600-LNG-119403-1SS-IC-2	IC	609.6	609.6	46.4	38.9	38.9	1	0	4	Cellular Glass radiused	220	26.4941	Cellular Glass radiused	0.8734	-----	0.6	158.577	
362	20-LNG-119504-9SS-IC	IC	26.7	26.7	1.4	0.5	0.5	3	3	0	Cellular Glass radiused	120	0.0303	Cellular Glass radiused	0.0177	-----	0.6	0.742	
363	25-LNG-119504-9SS-IC	IC	33.4	33.4	0.6	0.3	0.3	0	2	0	Cellular Glass radiused	130	0.0193	Cellular Glass radiused	0.0067	-----	0.6	0.366	
		IC	33.4	33.4	0.7	0.2	0.2	1	2	0	Cellular Glass radiused	130	0.0130	Cellular Glass radiused	0.0123	-----	0.6	0.354	
364	400-LNG-119504-9SS-IC	IC	406.4	406.4	13.0	8.2	8.2	2	4	3	Cellular Glass radiused	210	4.8314	Cellular Glass radiused	1.8170	-----	0.6	42.751	
365	450-LNG-119504-9SS-IC	IC	457.2	457.2	1.6	1.3	0.8	0	1	0	Cellular Glass radiused	210	0.5920	Cellular Glass radiused	0.3017	-----	0.6	5.630	
366	600-LNG-119504-9SS-IC	IC	609.6	609.6	7.2	5.4	5.4	0	0	1	Cellular Glass radiused	220	4.1508	Cellular Glass radiused	0.0000	-----	0.6	24.057	
		IC	609.6	609.6	336.2	309.9	308.2	2	2	14	Cellular Glass radiused	220	192.2935	Cellular Glass radiused	2.7948	-----	0.6	1130.564	
以下空白																			