



MATERIAL LIST			
DESCRIPTION	N.S. (IN)	QTY	
<u>FABRICATION</u>			
1 Pipe , ASME B36.10 , BE , ASTM A53-B , Welded (E = 0.85) , S-STD	6	8.3'	
2 90 LR Elbow , ASME B16.9 , BE , ASTM A234 Grade WPB , Welded , S-STD , S-STD	6	1	
3 WN Flg , ASME B16.5 , CL150 , RF , ASTM A105N , S-STD	6	2	
<u>ERECTION</u>			
4 Non Metal Flat Gskt , ASME B16.21 , CL150 , RF , Garlock IFG® 5500 , THK 1/16 in (1.6 mm)	6	1	
5 Non Metal Flat Gskt , ASME B16.21/B16.1 , CL150 , FF , Polytetrafluoroethylene (PTFE) , Garlock Gylon Style 3545 , THK 1/16in (1.6 mm)	6	1	
6 Stud Bolt (IN-IN) , ASME B18.31.2 , ASTM A193 Grade B7 , w/ (2) A194-2H heavy hex nuts, Xylan 1014 - 5 in. Length	3/4	8	

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FABRICATION & GENERAL NOTES		REFERENCE INFORMATION										
1. Refer to "Line List" for design conditions, medium, weld specifications, cleaning, painting, insulation specification, vapor barrier, testing, and inspection requirements. 2. All centerline dimensions are to be verified at site. The number and location of field welds corresponding to adaptation lengths to be defined by the contractor. 3. Underground metallic piping and piping components to be coated and cathodically protected per specification 18026-9120-2206-001.	REFERENCE P&ID	18026-9100-1003-8702										
	PIPE SPEC	HCS150U	HEAT TRACE		N							
	INSULATION TYPE	N	INSULATION THICKNESS		0 in	2	08/06/2019	ISSUED AS MARKED		VT	PVK	MLO
	PROCESS LINE LIST	17180B-IHI-PR-LLS-0001				1	08/01/2019	ISSUED AS MARKED		VT	PVK	MLO
						0	06/27/2019	ISSUED FOR CONSTRUCTION		VT	PVK	MLO
						REV	DATE	REASON FOR ISSUE		BY	CHK	APPR



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PROJECT NAME: PRAXAIR CONVENT SMR			
IHI PROJECT NO: H18026		SCALE: N.T.S.	
PROJECT NO:	DRAWING NO:	REV:	
17180B	17180B-CA00-FW-8726-01	2	

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