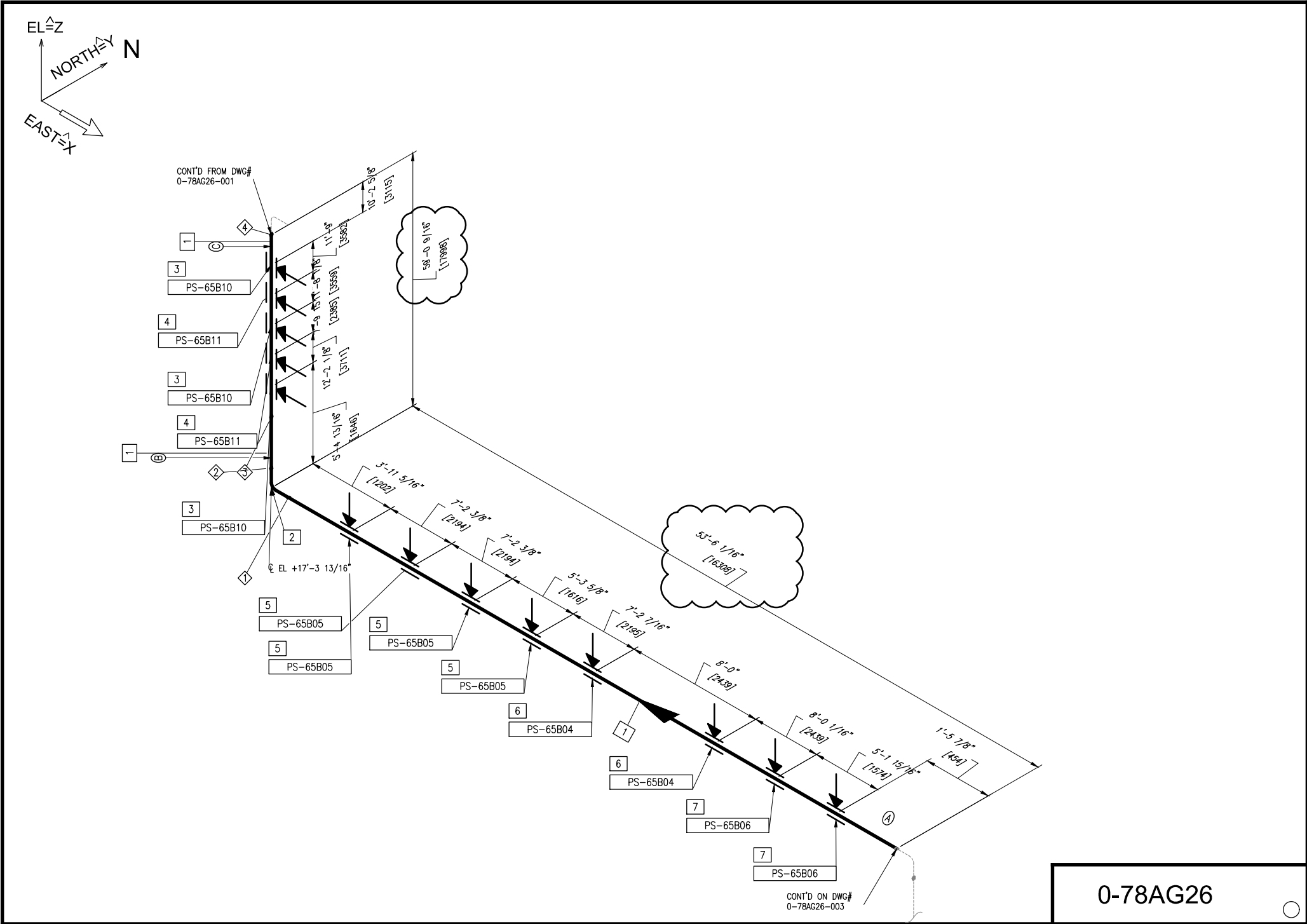




CUT PIECE LIST SHOWN FOR REFERENCE				
ID	LENGTH	ND	END1	END2
A	9 5/16"	2"	PL	PL
B	244 5/16"	2"	PL	PL
C	313 11/16"	2"	PL	PL

[illegible]



BILL OF MATERIALS				
ITEM	TAG	QUANTITY	NPS	MATERIAL DESCRIPTION
1		1341 1/8"	2"	TUBE, SEAMLESS, 0.065" WALL, VALEX PRODUCT LINE NON-ELECTROPOLISHED, HIGH-PURITY (HP)/CFOS, ASTM A 269 GR TP304L, SS, ANNEALED AND PICKLED (AP), PER VALEX SPEC SP-9234
2		1	2"	TUBE WELD, 90 DEGREE ELBOW, SEAMLESS, 0.065" WALL, VALEX PRODUCT LINE NON-ELECTROPOLISHED, HIGH-PURITY (HP)/CFOS, ASTM A 269 GR TP304L, SS, ANNEALED AND PICKLED (AP), PER VALEX SPEC SP-9234
3	PS-65B10	3	2"	PSD29 - STRUT-MOUNTED CLAMP ASSEMBLY (CAL-CLAMP), MODEL HWT WITH 1/2" INSULATION THICKNESS, 304 STAINLESS STEEL
4	PS-65B11	2	2"	PSD29 - STRUT-MOUNTED CLAMP ASSEMBLY (CAL-CLAMP), MODEL HWT WITH 1/2" INSULATION THICKNESS, 304 STAINLESS STEEL
5	PS-65B05	4	2"	PSD29 - STRUT-MOUNTED CLAMP ASSEMBLY (CAL-CLAMP), MODEL HWT WITH 1/2" INSULATION THICKNESS, 304 STAINLESS STEEL
6	PS-65B04	2	2"	PSD29 - STRUT-MOUNTED CLAMP ASSEMBLY (CAL-CLAMP), MODEL HWT WITH 1/2" INSULATION THICKNESS, 304 STAINLESS STEEL
7	PS-65B06	2	2"	PSD29 - STRUT-MOUNTED CLAMP ASSEMBLY (CAL-CLAMP), MODEL HWT WITH 1/2" INSULATION THICKNESS, 304 STAINLESS STEEL

CUT PIECE LIST SHOWN FOR REFERENCE				
ID	LENGTH	ND	END1	END2
A	637 5/16"	2"	PL	PL
B	36 1/16"	2"		PL
C	667 13/16"	2"	PL	


IFP	2.0	5/4/2022	AJS	SLL	TDW	ISSUED FOR AUTHORITY PERMIT
IFP	1.0	3/15/2022	BB	SLL	TDW	ISSUED FOR AUTHORITY PERMIT
IFQ	0.1	1/14/2021	BCZ			ISSUED FOR QUOTE
STATUS	ISSUE	DATE	DRAWN	CHECKED	APPR.	DESCRIPTION

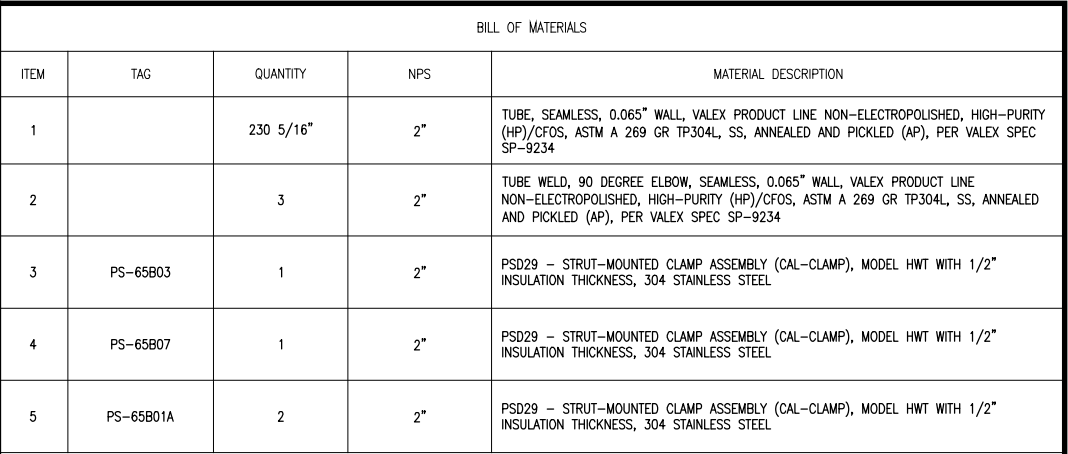
CERTIFICATE PRE-FABRICATION AND ASSEMBLY (DATE / SIGNATURE)									
1. PRE-FABRICATION					2. ASSEMBLY				
	MATERIAL / FABRICATION	WELDING / FORMING / PWHT	NDE		MATERIAL / FABRICATION	WELDING / FORMING / PWHT	NDE	FLUSHING CLEANING	PRESSURE TEST
CONTRACTOR									
LINDE									

PIPE-SPEC	NPS (IN)	DESIGN PRESSURE [PSI(G)]	DESIGN TEMP. [°F]	INSULATION TYPE	INSULATION THICKNESS	COAT. TYPES
SS150P-AP						


GENERAL REMARKS	
1) FIELD WELDS AND CUTTING LENGTH TO BE DETERMINED BY BUYER / CONTRACTOR / FABRICATOR.	
2) ALLOWANCE FOR FABRICATION TOLERANCES ARE NOT CONSIDERED.	
3) THE GASKET THICKNESS IS NOT SPECIFIED BUT IT IS INCLUDED IN THE TOTAL DIMENSION.	
4) SEE ISOMETRIC PIPE SPOOL DETAIL SHEET FOR VCR PART NO.'S & OTHER DETAILS.	

PROJECT #	RECEIVED	EXCEL
81062/81063	7/20/2022	
1410A642 / EXL00004 Transmittal-Letter (CUP Revision package 7/12/2022)		

TEST MEDIUM						SEE LINE INDEX	
PSA-No:				P&ID-No:			
				P-FP-508			
PROCESS UNIT	MEDIUM CODE	SEQUENCE NUMBER		SHEET	OF	AREA	
0-78	AG	26		2	3	065B	
							
LINDE AMERICAS							
Document Title: PIPING ISOMETRIC							
Linde Doc. No.: 065BL-ZL (0-78) 0-78AG26							
CODE:				LINDE PROJECT No.:			
PHOENIX TSMC				1410A642			



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PROJECT #	RECEIVED	
81062/81063	7/20/2022	

**1410A642 / EXL00004 Transmittal-Letter  
(CUP Revision package 7/12/2022)**