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20	CONTROL VALVE	X											
21	ESD VALVE	X											
22		X											

NOTES

LEGEND

REFERENCE DRAWING

DRG. No.

KEY PLAN

REFERENCE DOCUMENT													
TITLE NAME							DOCUMENT NUMBER						
Piping & instrument diagram							BK-GCS-MF-120-PR-PI-0003						
INSTRUMENT LIST							BK-GCS-MF-120-IN-LI-0001						

EPC CONTRACTOR:								EPD/EPC CONTRACTOR (GC):							
 HIRGAN ENERGY  TE								 PEDCO PETROIRAN DEVELOPMENT COMPANY							
DRAWING TITLE: HOOK UP DRAWING															
SCALE		SIZE		DRAWING NO.				SHEET NO.		REV.					
NTS		A3		BK-GCS-MF-120-IN-DW-0005				1 OF 22		V00					



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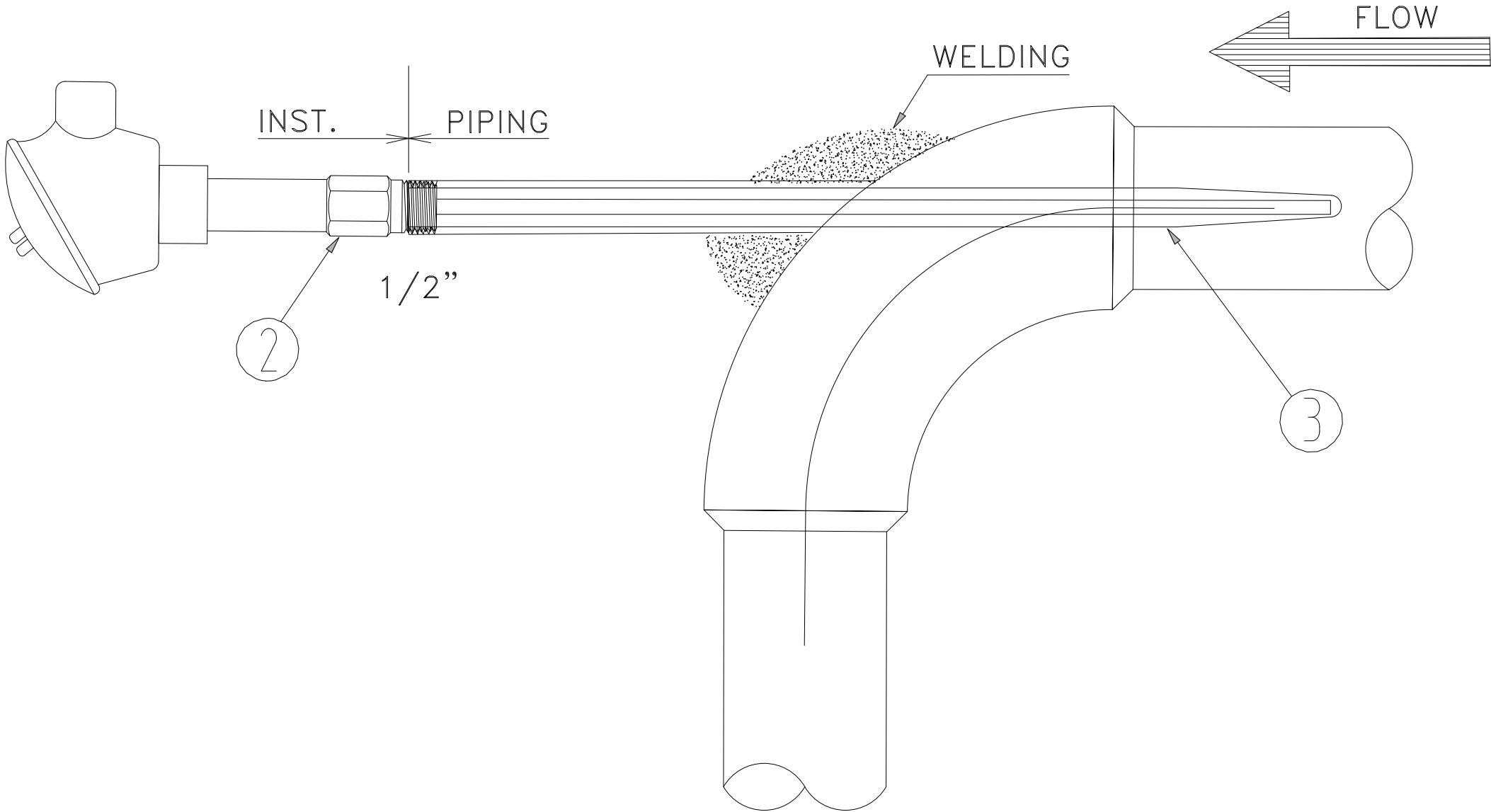
SERIAL NO.

SHEET

REVISION

Tag Numbers	Fluid	THERMOWELL	Sheet Number
TIT-2102	WET GAS	TW-2102	Sheet 1 OF 7
TIT-2107	WET GAS	TW-2107	Sheet 4 OF 7
TIT-2108	WET GAS	TW-2108	Sheet 4 OF 7
TIT-2109	WET GAS	TW-2109	Sheet 4 OF 7

TEMPERATURE TRANSMITTER (ON ELBOW)



NOTES: 1. GASKET, BOLTS & NUTS BY PIPING.					
3	NA	THERMOWELL 1/2"			
2	NA	TT/TE INSTRUMENT CONNECTON ON THE THERMOWELL 1/2"NPTM			
TAG	QTY	DESIGNATION	TAG	QTY	DESIGNATION

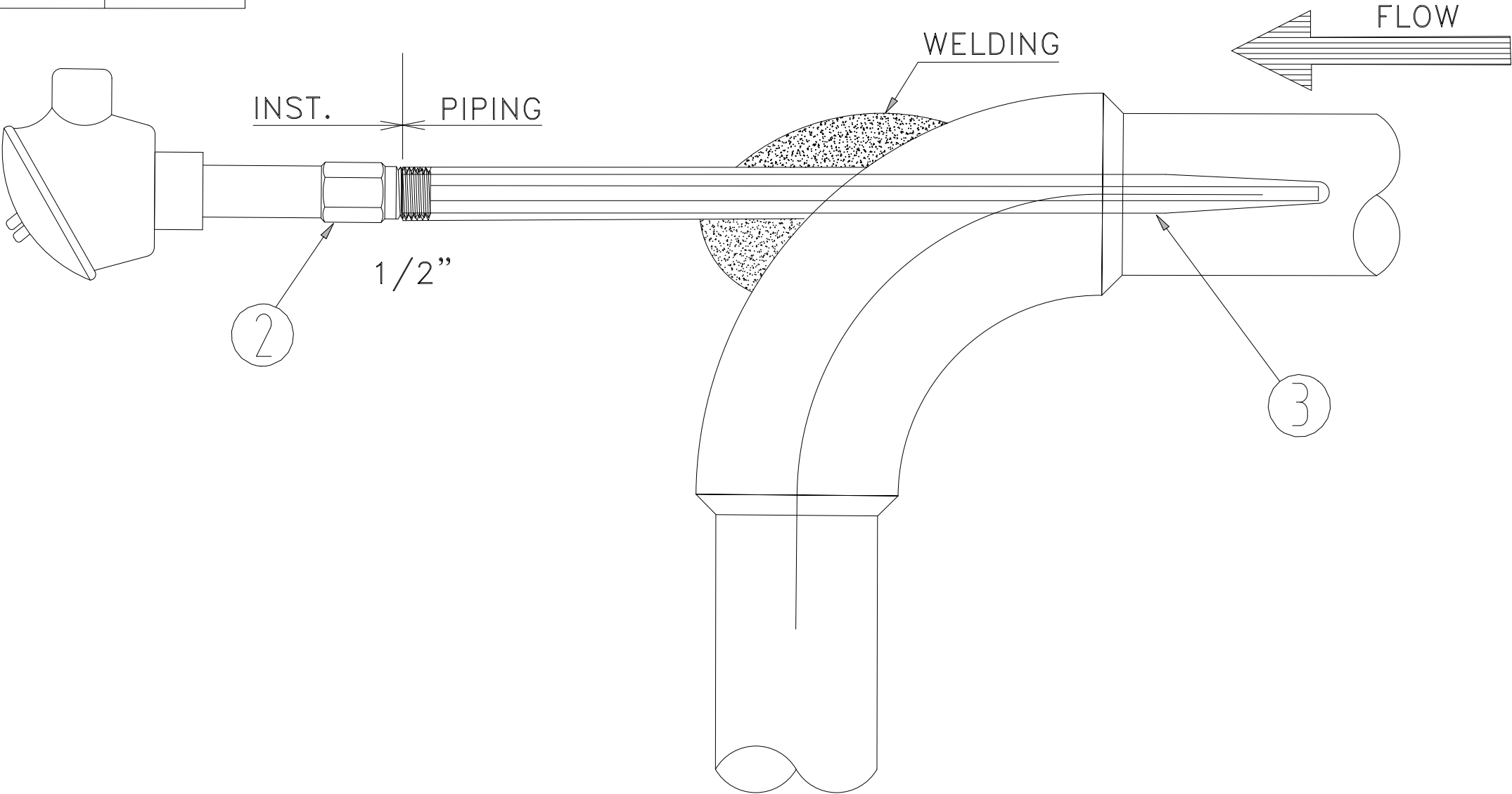
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REFERENCE DRAWING	DRG. No.
KEY PLAN	

VOO	Mar-2025	ISSUED FOR INFORMATION	MF	M.FAKHARIAN	S.Farhangpour	** **	REV.	DESCRIPTION	BY	DATE	BY	DATE			
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	CHECKED		REV. APPR.						
PROJECT NAME:		BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION				 THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS									
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 HURGAN ENERGY – DESIGN & INSPECTION COMPANIES			 PETROIRAN DEVELOPMENT COMPANY												
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NTS	A3	BK-GCS-MF-120-IN-DW-0005			3 OF 22	VOO									



Tag Numbers	Fluid	THERMOWELL	Sheet Number
TG-2112	WET GAS	TW-2112	Sheet 1 OF 7
TG-2113	WET GAS	TW-2113	Sheet 2 OF 7
TG-2115	WET GAS	TW-2115	Sheet 4 OF 7
TG-2116	WET GAS	TW-2116	Sheet 5 OF 7
TG-2117	WET GAS	TW-2117	Sheet 5 OF 7
TG-2118	WET GAS	TW-2118	Sheet 5 OF 7

TEMPERATURE INDICATOR (ON ELBOW)



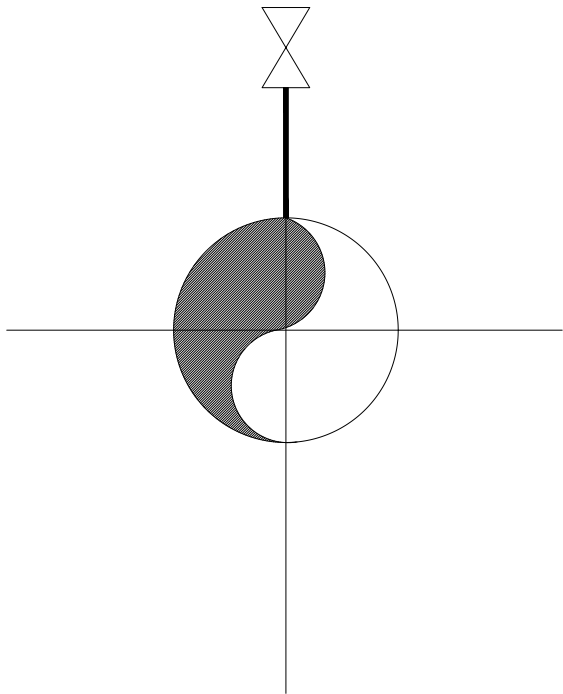
NOTES: 1. GASKET, BOLTS & NUTS BY PIPING.					
3	NA	THERMOWELL 1/2"			
2	NA	TT/TE INSTRUMENT CONNECTON ON THE THERMOWELL 1/2"NPTM			
TAG	QTY	DESIGNATION	TAG	QTY	DESIGNATION

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REFERENCE DRAWING	DRG. No.
KEY PLAN	

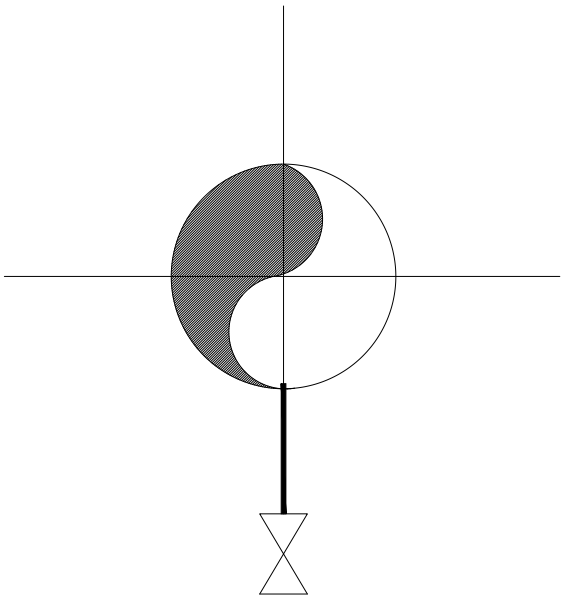
VOO	Mar-2025	ISSUED FOR INFORMATION	MF	M.FAKHARIAN	S.Farhangpour	** **		REV.	DESCRIPTION	BY	DATE	BY	DATE		
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HURGAN ENERGY – DESIGN & INSPECTION COMPANIES				PEDCO											
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SCALE	SIZE	DRAWING NO.			SHEET NO.	REV.	APPROVED FOR CONSTRUCTION			BY:		DATE:			
NTS	A3	BK-GCS-MF-120-IN-DW-0005			6 OF 22	VOO	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.		SHEET	REVISION	



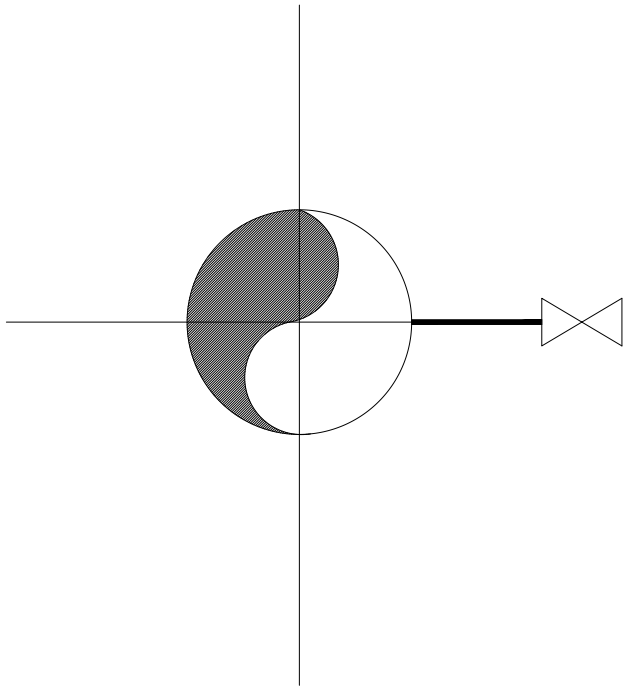
FLOW ORIFICE ORIENTATION



A



B



C

ORIENTATION SCHEDULE

FLUID	ORIENTATION	
GAS	A	
LIQUID	B	
STEAM & CONDENSATING VAPORS	C	

NOTES

LEGEND

REFERENCE DRAWING

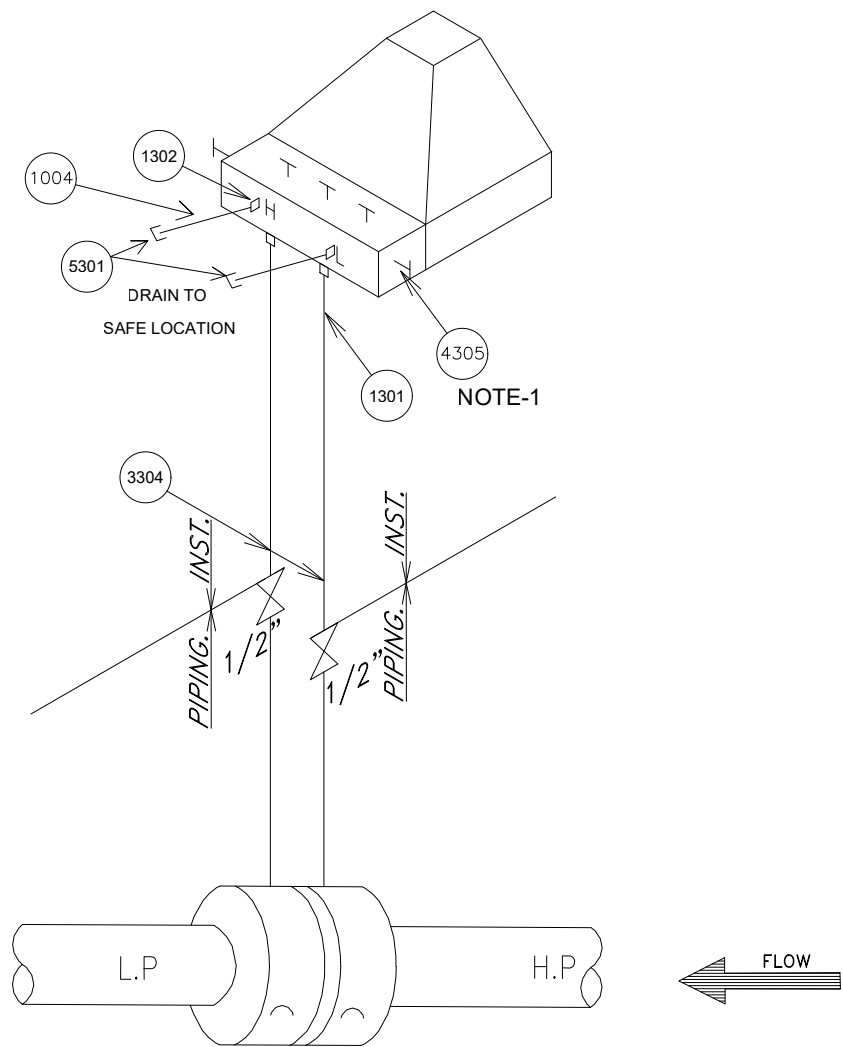
DRG. No.

KEY PLAN



Tag Numbers	Fluid	Sheet Number
FIT-2103	FEUL GAS	Sheet 4 OF 7

GAS FLOW ORIFICE ON PIPE



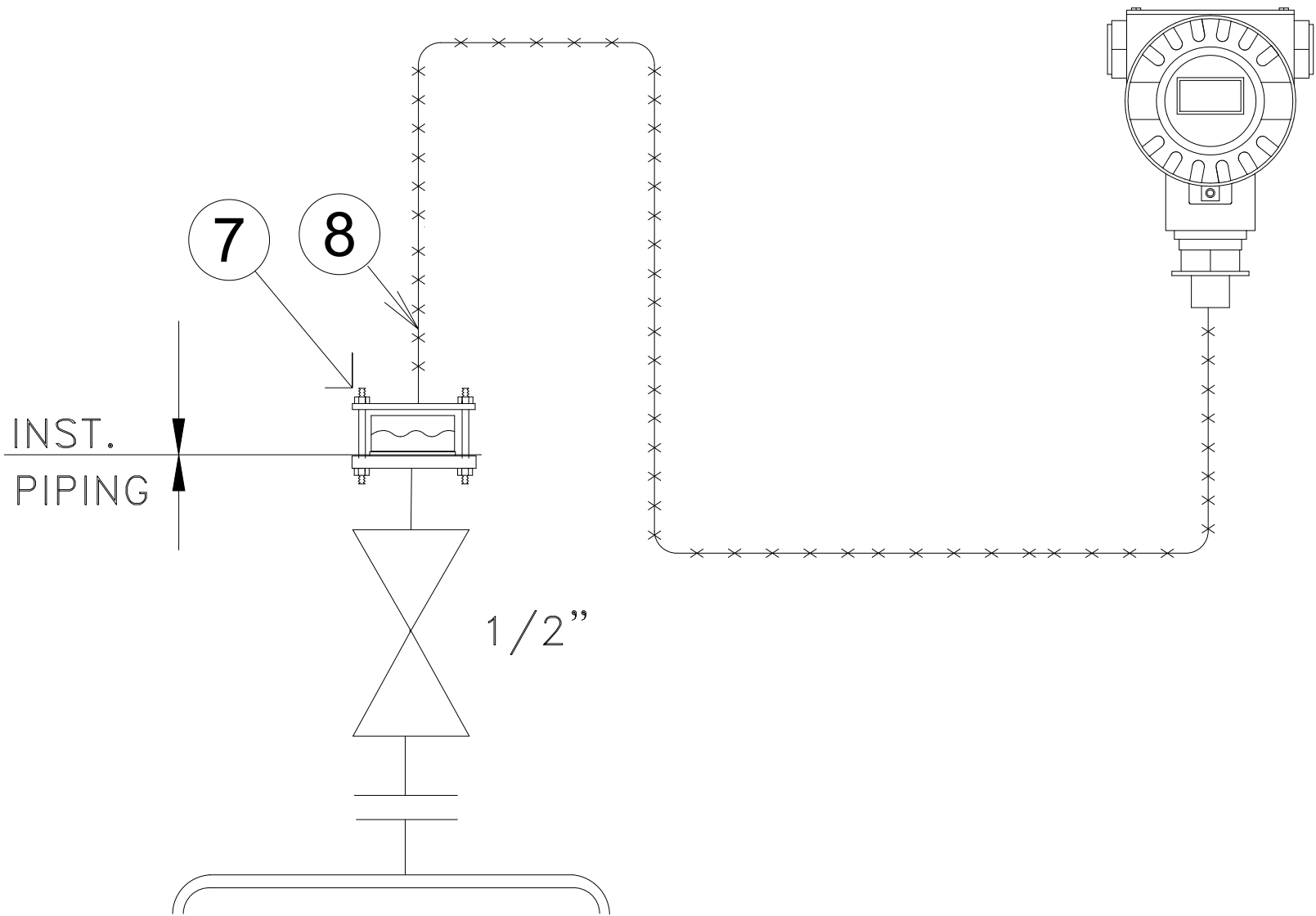
NOTES: 1. GASKET, BOLT & NUT TO BE SUPPLIED BY PIPING.
2. FLUSHING RING TO BE SUPPLIED BY INST. VENDOR.
3. FOR GAS SERVICE (FIT-2103), UPWARD TAPPING SHALL BE FOLLOWED.

4305	1	5 WAY VALVE MANIFOLD 316S.S , 1/2", 3000PSI	1004	3m	SEAMLESS TUBE 1/4" 0.Dx0.028" , SS 316
1302	4	MALE CONNECTOR F. TUBE 1/2" OD x NPTM 1/2" 3000PSI			
1301	2	MALE CONNECTOR F.TUBE 1/4" O.D.xNPTM 1/4",3000PSI			
3304	2	NIPPLE 1/2" x 80MM , SCH 80 NPTM/NPTM			
5301	2	TUBE CAP FITTING 1/4" , 3000PSI , SS 316			
TAG	QTY	DESIGNATION	TAG	QTY	DESIGNATION

[illegible]

Tag Numbers	Fluid	Sheet Number
PIT-2101	V-120	Sheet 2 OF 7
PIT-2102	V-120	Sheet 4 OF 7

PRESSURE TRANSMITTER (ON EQUIPMENT)



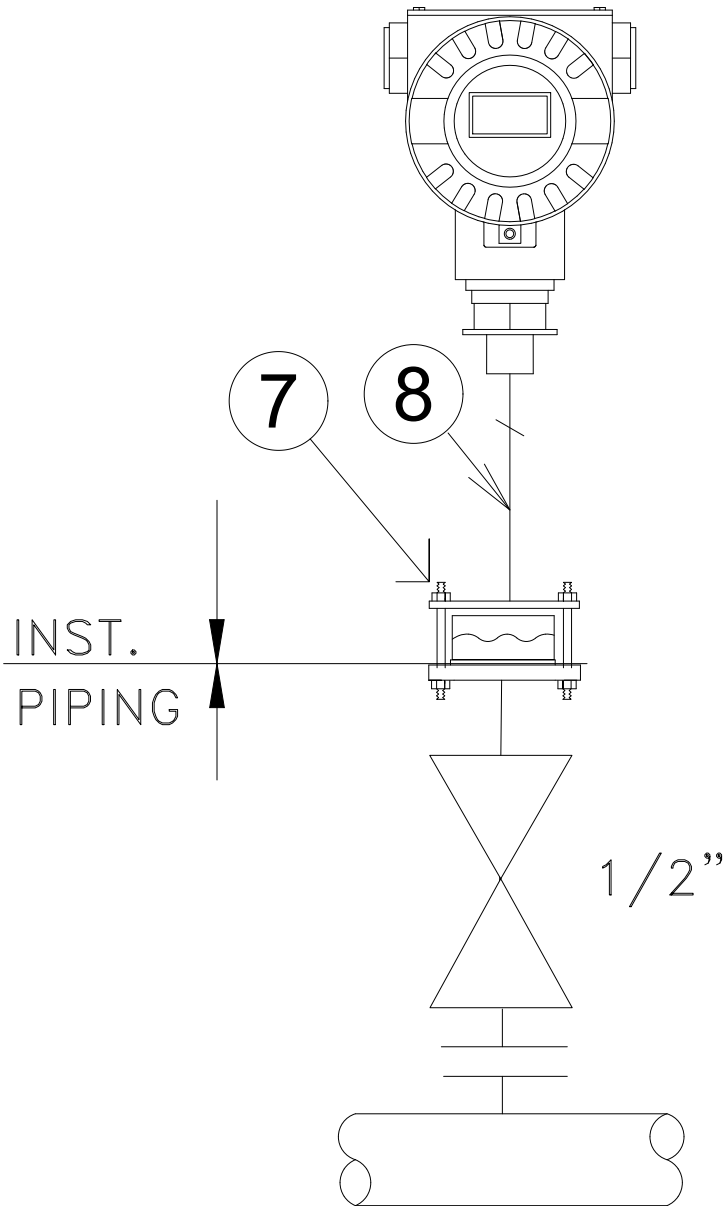
HORIZONTAL INSTALLATION

NOTES:			1. BOLTS, NUTS, GASKETS AND BLIND FLANGE BY PIPING.		
			2. CAPILLARY TUBE SHALL BE SUPPORTED PROPERLY AT SITE.		
7	NA	DIAPHRAGM SEAL 2"			
5	NA	CAPILLARY TUBE			
TAG	QTY	DESIGNATION	TAG	QTY	DESIGNATION

[illegible]

Tag Numbers	Fluid	Sheet Number
PIT-2103	FEUL GAS	Sheet 4 OF 7
PIT-2104	FEUL GAS	Sheet 4 OF 7

PRESSURE TRANSMITTER (ON PIPE)



HORIZONTAL INSTALLATION

NOTES:			1. BOLTS, NUTS, GASKETS AND BLIND FLANGE BY PIPING.		
			2. CAPILLARY TUBE SHALL BE SUPPORTED PROPERLY AT SITE.		
7	NA	DIAPHRAGM SEAL 2"			
8	1	SWAGE NIPPLE 1" NPTM x 1/2" NPTF 3000PSI , SS316			
TAG	QTY	DESIGNATION	TAG	QTY	DESIGNATION

NOTES	
LEGEND	
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VOO	Mar-2025	ISSUED FOR INFORMATION	WFS	M.FAKHARIAN	S.Farhangpour	** **		REV.	DESCRIPTION	BY	DATE	BY	DATE		
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NTS	A3	BK-GCS-MF-120-IN-DW-0005			16 OF 22		VOO								



[illegible]

9	NA	PLUG 1/2" , 3000# , SS316 (NACE)		14	NA	3 WAY COCK VALVE , 1/2" , 600# , SS316(NACE)
10	NA	BALL VALVE , 1/2" , 600# , SS316 (NACE)				
11	NA	REDUCER , 1/2"*2" NPT, 600# , SS316 (NACE)				
12	NA	2" STAND PIPE				
13	NA	BARREL NIPPLE 1/2"*100mm NPT 3000PSI , SS316(NACE)				
TAG	QTY	DESIGNATION		TAG	QTY	DESIGNATION



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BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION	

9	NA	PLUG 1/2" , 3000# , SS316 (NACE)			
10	NA	BALL VALVE , 1/2" , 600# , SS316 (NACE)			
11	NA	REDUCER , 1/2"*2" NPT, 600# , SS316 (NACE)			
12	NA	2" STAND PIPE			
13	NA	BARREL NIPPLE 1/2"*100mm NPT 3000PSI , SS316(NACE)			
TAG	QTY	DESIGNATION	TAG	QTY	DESIGNATION



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