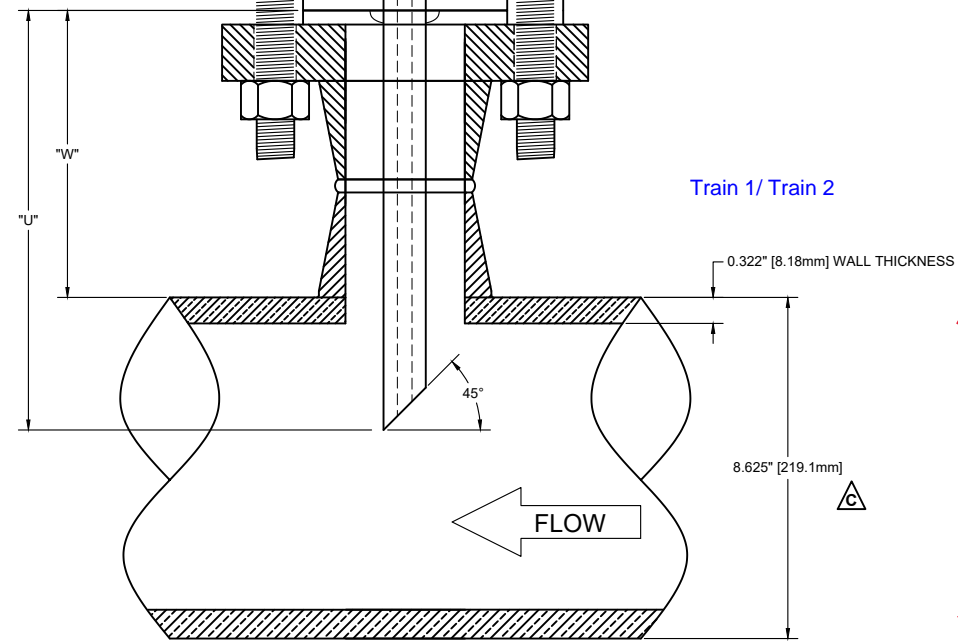
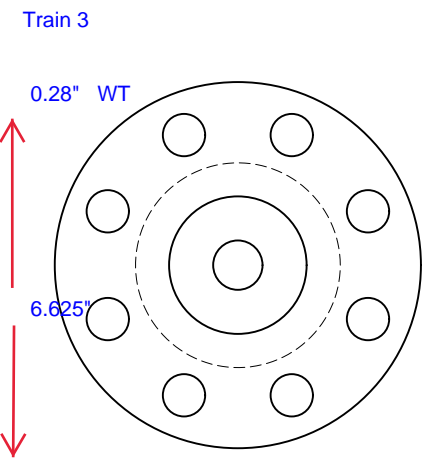


SAMPLE PROBE-SIDE VIEW



SAMPLE PROBE INSTALLED



VIEW A-A, PROCESS FLANGE

- NOTES: UNLESS OTHERWISE SPECIFIED
- 1. FOLLOW APPROPRIATE WELD PROCEDURES
 - 2. GASKETS SHALL COMPLY WITH ASME B16.20, SHALL BE FLEXITALLIC FLEXIBLE GRAPHITE FILLED SPIRAL WOUND CONFINED GASKET WITH INNER RING (STYLE CGI); 316/316LSS METAL WINDING AND INNER RING, FLEXIBLE GRAPHITE FILLER AND A 3.2MM THICK CARBON STEEL CENTERING RING.
 - 3. BOLTS SHALL BE OF ASTM A193 GRADE B7M NUTS SHALL BE OF ASTM A194 GRADE 2HM
 - 4. FLANGES SHALL BE ASTM A182 GRADE F316/316, RF STD FIN.
 - 5. PIPE SHALL BE ASTM A312-TP316/316I, SMLS
 - 6. ASME CODE B31.3 APPLIES.
 - 7. PROBE SHALL BE SUPPLIED WITH RELEVANT PROVINCE CRN NUMBER
 - 8. PROBE TO BE NACE MR0175 RATED.

PROBE DETAILS

	TAG	DESCRIPTION	FLANGE	PIPE DIA.	FLOW DIRECTION	FLANGE FACE ORIENTATION	PIPE ORIENTATION	"U" LENGTH	"W" LENGTH	QUILL DIA.	QUILL SCHED.	DESIGN CONDITION	FLUID STATE	DENSITY (Kg/m3)	VISCOSITY (Cp)	TEMP. (C)	PRESS. (kPag)	MAX. VELOCITY (m/s)	FLOW RATE (m³/d)
	40AE-400A	SUPPLY LOCATION 1	2" 150# ANSI RF	8" SCH 40	RIGHT TO LEFT	HORIZONTAL	HORIZONTAL	8"	5.75"	0.75"	SCH 80	1,850 kPag @ 75°C	CONDY (C5+)	725	1 TBD	45°C	400 kPa	1.1 TBD	5,000 m³/d
	50AE-400A	SUPPLY LOCATION 2	2" 300# ANSI RF	8" SCH 40	RIGHT TO LEFT	HORIZONTAL	HORIZONTAL	8"	5.625"	0.5"	SCH 80	1,850 kPag @ 75°C	CONDY (C5+)	725	1 TBD	45°C	400 kPa	1.1 TBD	5,000 m³/d
	60AE-400A	SUPPLY LOCATION 3	2" 300# ANSI RF	6" SCH 40	RIGHT TO LEFT	HORIZONTAL	HORIZONTAL	9"	7.25"	0.75"	SCH 80	1,845 kPag @ 75°C	CONDY (C5+)	725	1 TBD	35°C	300 kPa	0.5 TBD	1,250 m³/d

STATED CONDITIONS ARE DESIGN, ACTUAL CONDITIONS MAY VARY.

Prepared By:



Engineering and Permit Stamps

REV	REVISION	DATE	BY	CHK	APP
A	ISSUED FOR APPROVAL	2020OCT08	DJI	-	-
B	TAG NUMBERS ADDED	2020OCT23	DJI	-	-
C	DESIGN PARAMETERS ADDED	2020DEC2	SRL	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

Prepared for



SEVEN GENERATIONS - KARR GAS PLANT
SAMPLE PROBE PHYSICAL DRAWING AND STREAM DATA

INSIGHT ANALYTICAL JOB #: 2020-0375

CLIENT JOB #: U19-105

DRAWN: DJI SCALE: NTS DRAWING No: 20200375-P-90-01

REV: C