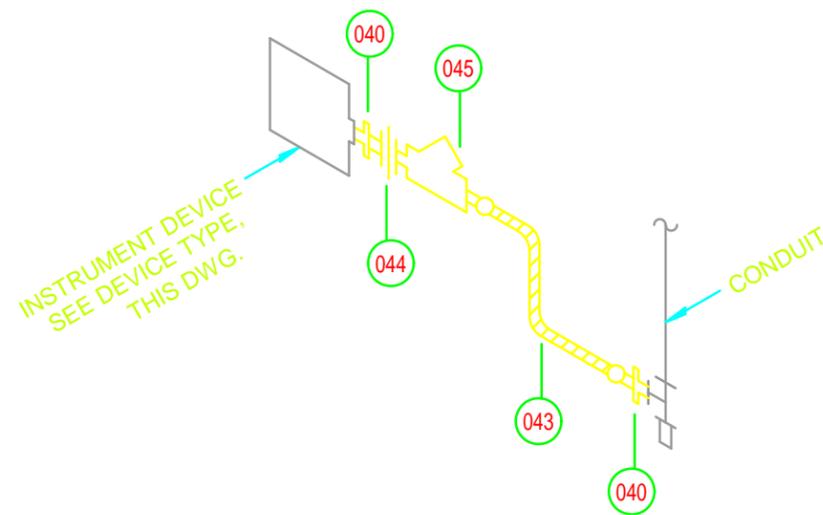


ITEM	UPC CODE NO.	DESCRIPTION	QTY	SIZE	MATERIAL	RATING
040		CONDUIT FITTING REDUCER	2	3/4"x1/2"		
043		CONDUIT FITTING FLEX BRAID COUPLING EP	1	1/2"x18"		
044		CONDUIT FITTING UNION M&F HUBS	1	1/2"		
045		CONDUIT FITTING SEAL VENT/HORIZ M&F HUBS	1	1/2"		



DEVICE TYPE

- A. SWITCH WITH INTEGRAL J-BOX NOT FACTORY SEALED.
- B. VIBRATION SWITCH NOT FACTORY SEALED WITH TERMINALS.
- C. SINGLE OR DUAL VALVE POSITION/LIMIT SWITCH WITH TERMINALS.
- D. PROCESS TRANSMITTER WITHOUT SECONDARY FLUID SEAL WITH TERMINALS.
- E. SELECTED TRANSDUCERS WITH TERMINALS.

ADDITIONAL DESCRIPTION:

TRANSMITTER, SWITCHES, SELECTED TRANSDUCERS, VIBRATION & POSITION/LIMIT SWITCHES
 PROCESS FLUID: HAZARDOUS/NON-HAZARDOUS/NONE

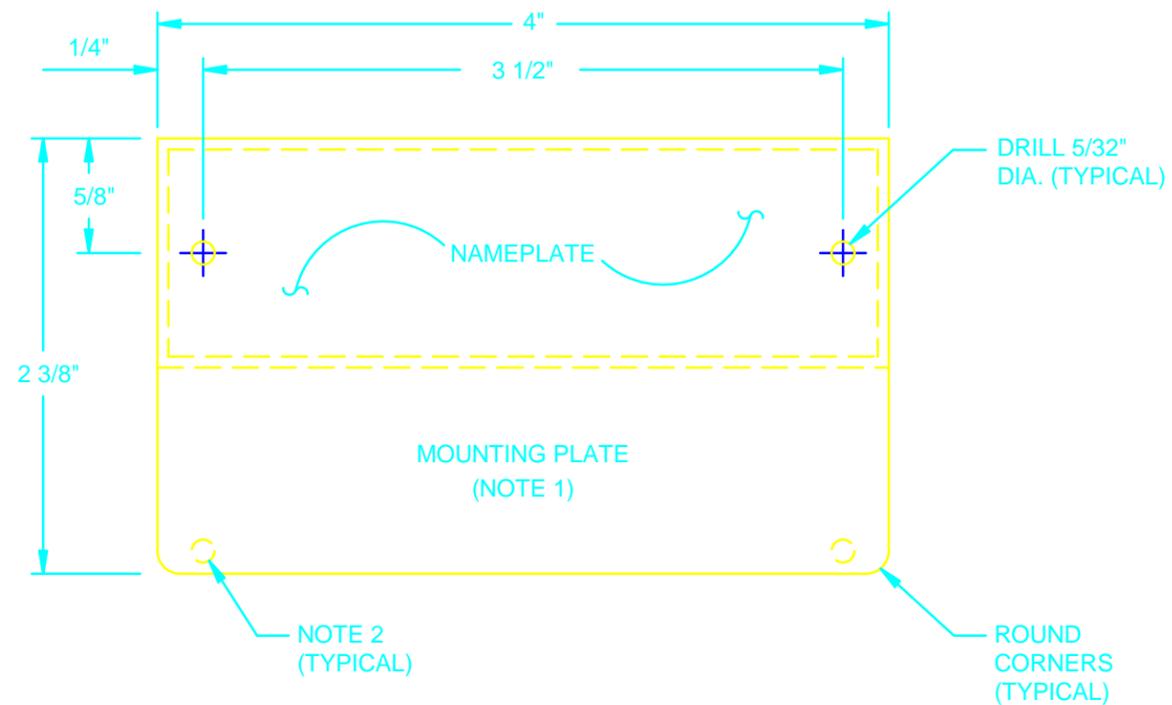
TAG NUMBERS	TAG NUMBERS	TAG NUMBERS	TAG NUMBERS

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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 10%;">No</th> <th style="width: 10%;">By</th> <th style="width: 10%;">Date</th> <th style="width: 10%;">Revision</th> </tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>		No	By	Date	Revision													HOOK-UP LAYOUT DIAGRAM											
No	By	Date	Revision																										

TYPICAL INSTRUMENT INSTALLATION DETAIL DRAWING SYMBOL LEGEND

SYMBOL	SYMBOL DESCRIPTION	SYMBOL	SYMBOL DESCRIPTION
	BULKHEAD TUBE UNION TXT		BULKHEAD MALE TUBE CONNECTOR TXMPT - SCREWED
	BULKHEAD FEMALE TUBE CONNECTOR TXFPT - SCREWED		CONDUIT PLUG/DRAIN/BREATHER
	BUSHING - PIPE/CONDUIT REDUCER		FLEX CONDUIT CONNECTOR - LIQUID TIGHT
	BELL REDUCER - PIPE		FLEX CONDUIT CONNECTOR - LIQUID TIGHT WITH GROUND LUG
	FLANGE		PIPE/TUBING/CONDUIT
	NIPPLE - PIPE/CONDUIT		ELECTRICAL SIGNAL
	VENT FITTING		ELECTRICAL FLEX CONDUIT
	CAPILLARY TUBING		ELECTRICAL BRAIDED COUPLING
	HEAT TRACED TUBE BUNDLE OR PREINSULATED TUBE BUNDLE	H	INDICATES HIGH PRESSURE SIDE OF INSTRUMENT
	CORD MINERAL INSULATED WITH TERMINAL CLASS I DIV. 1	L	INDICATES LOW PRESSURE SIDE OF INSTRUMENT
	CONDUIT FITTING - EXPLOSION PROOF CROSS		
	CONDUIT FITTING - EXPLOSION PROOF TEE		

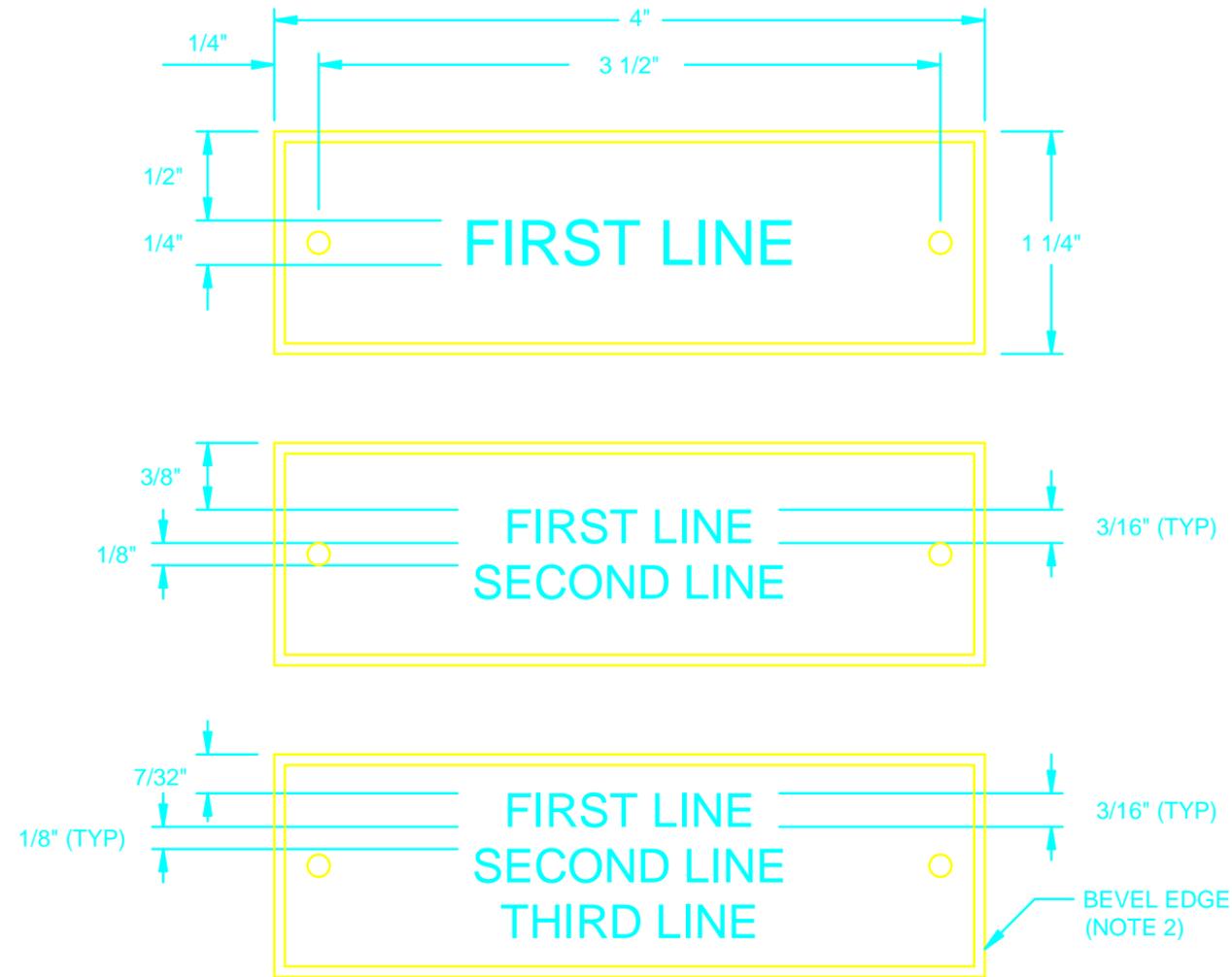
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										Hook-Up Name :		
										TYPICAL INSTRUMENT (A)		Sheet 1 of 1
				No :	By :	Date :	Revision :					



NOTES:

1. FABRICATE MOUNTING PLATE FROM 1/16" THICK STAINLESS STEEL SHEET METAL.
2. FIELD DRILL MOUNTING PLATE MOUNTING SCREW HOLES AS REQUIRED.
3. EACH NAMEPLATE NORMALLY REQUIRES ONE MOUNTING PLATE. SEE NAMEPLATE ENGRAVING SCHEDULE.

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	No :	By :	Date :	Revision :					
	Sheet 1 of 1								

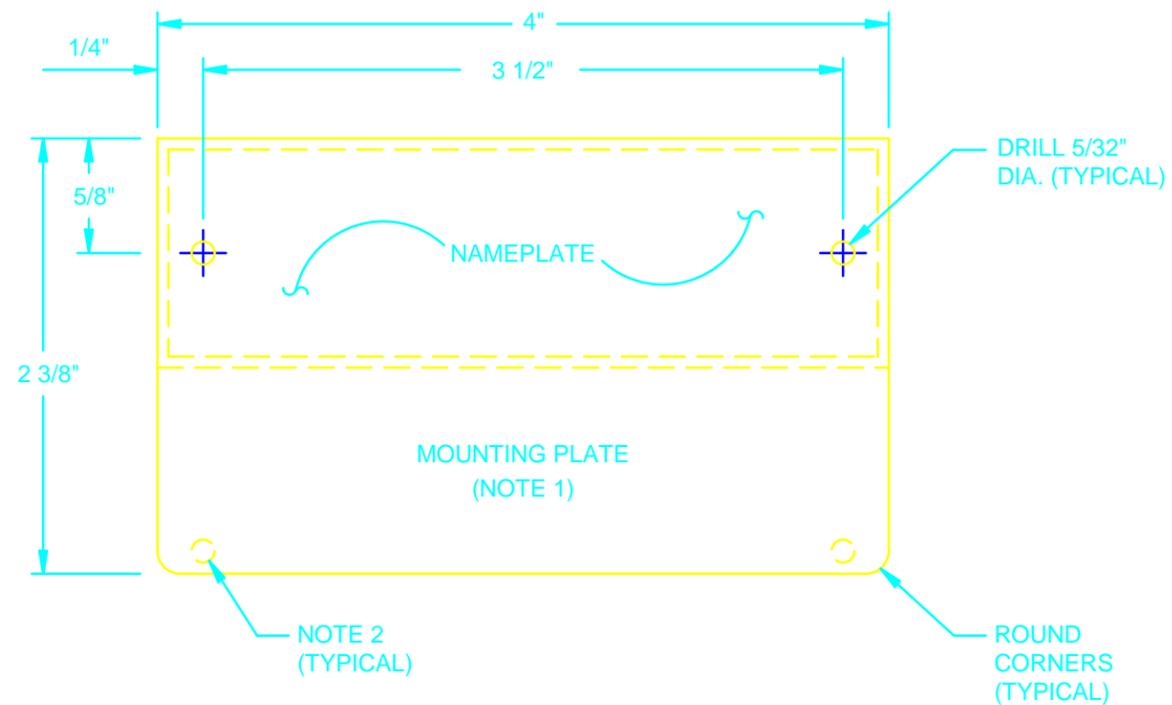


NOTES:

1. NAMEPLATES TO BE FABRICATED FROM 3 PLY LAMINATED PHENOLIC MATERIAL WITH 1/16" CORE. LETTERS TO BE ENGRAVED INTO 1/16" CORE. FACE AND CORE TO BE OF CONTRASTING COLORS, TYPICALLY WHITE FACE/BLACK CORE OR PER CLIENT REQUIREMENTS.
2. FRONT EDGES TO BE BEVELED 45°, REVEALING CORE COLOR.
3. EACH NAMEPLATE REQUIRES TWO STAINLESS STEEL ROUND HEAD SCREWS (6-32) AND HEX NUTS.
4. EACH NAMEPLATE NORMALLY REQUIRES ONE MOUNTING PLATE. SEE NAMEPLATE ENGRAVING SCHEDULE.

NOTE:
IR09A: TYPICAL NAMEPLATE MOUNTING PLATE FABRICATION DETAIL

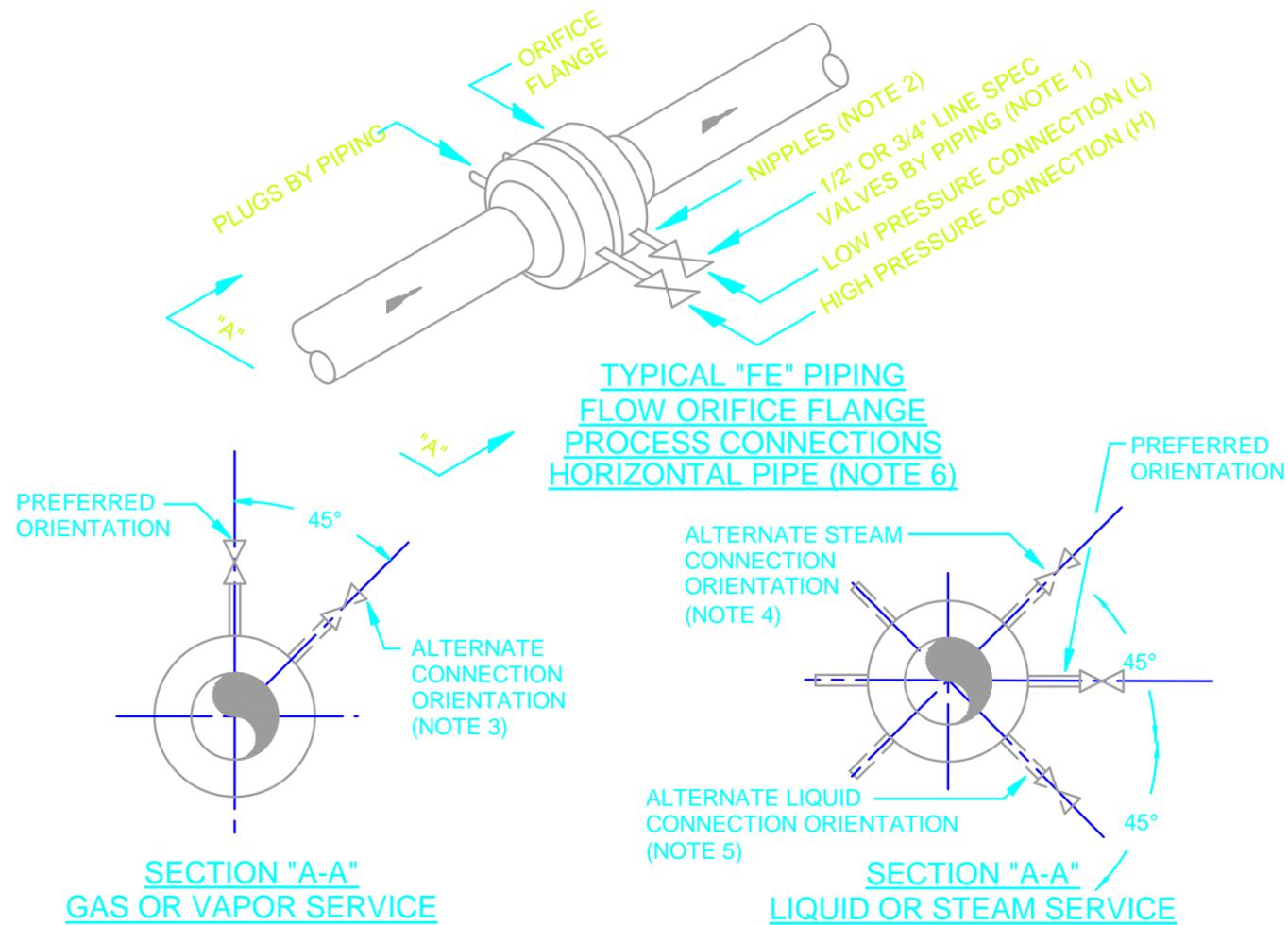
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					Domain: OSI_SS	HOOK-UP LAYOUT DIAGRAM		
	No :	By :	Date :	Revision :				



NOTES:

1. FABRICATE MOUNTING PLATE FROM 1/16" THICK STAINLESS STEEL SHEET METAL.
2. FIELD DRILL MOUNTING PLATE MOUNTING SCREW HOLES AS REQUIRED.
3. EACH NAMEPLATE NORMALLY REQUIRES ONE MOUNTING PLATE. SEE NAMEPLATE ENGRAVING SCHEDULE.

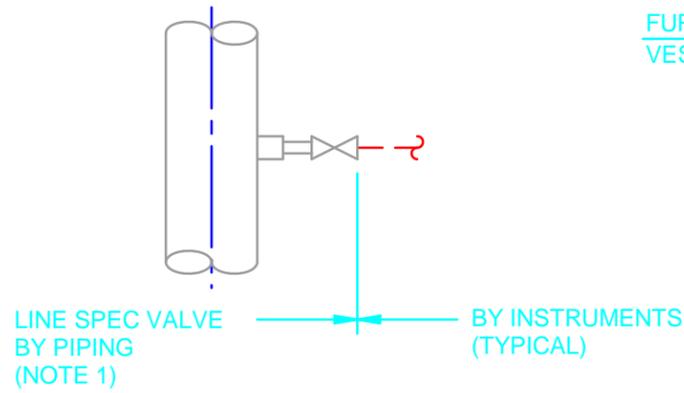
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	No :	By :	Date :	Revision :				



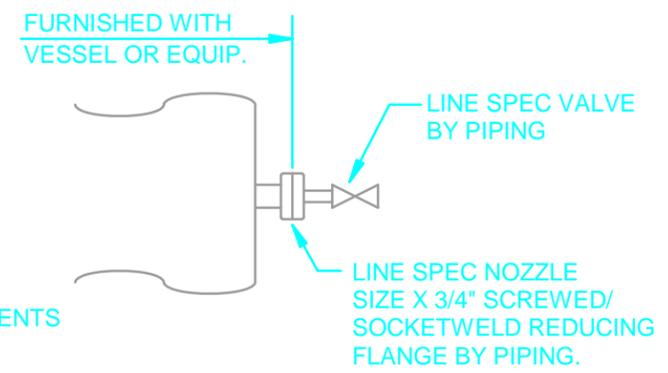
NOTES:

1. NORMALLY ALL VALVES FURNISHED BY PIPING FOR FLOW INSTRUMENT PROCESS CONNECTIONS ARE 1/2" SOCKETWELD INLET/SCREWED OUTLET OR 1/2" SOCKETWELD INLET/SOCKETWELD OUTLET VALVES FOR FLANGES RATED BELOW 900#. 3/4" VALVES WILL BE FURNISHED ON FLANGES RATED 900# AND ABOVE. IN THE EVENT FLANGED VALVES ARE REQUIRED, PIPING IS TO FURNISH SCREWED OR SOCKETWELD COMPANION FLANGES.
2. PIPING IS TO FURNISH ONE LONG AND ONE SHORT NIPPLE TO ALLOW STAGGERING OF VALVES UNLESS GAUGE VALVES ARE SPECIFIED.
3. IF A VALVE CLEARANCE PROBLEM EXISTS (SUCH AS MIGHT OCCUR IN A PIPE RACK), ROTATE VALVES 45° OFF THE PIPE VERTICAL CENTERLINE.
4. IN STEAM SERVICE ONLY, IF A VALVE CLEARANCE PROBLEM EXISTS (SUCH AS MIGHT OCCUR IN A PIPE RACK), ROTATE VALVES 45° ABOVE THE PIPE HORIZONTAL CENTERLINE.
5. IN LIQUID SERVICE ONLY, IF A VALVE CLEARANCE PROBLEM EXISTS (SUCH AS MIGHT OCCUR IN A PIPE RACK), ROTATE VALVES 45° BELOW THE PIPE HORIZONTAL CENTERLINE.
6. FLOW IN VERTICAL PIPE INSTALLATIONS IS "DOWN" FOR LIQUID SERVICE AND "UP" FOR GAS OR VAPOR SERVICE.

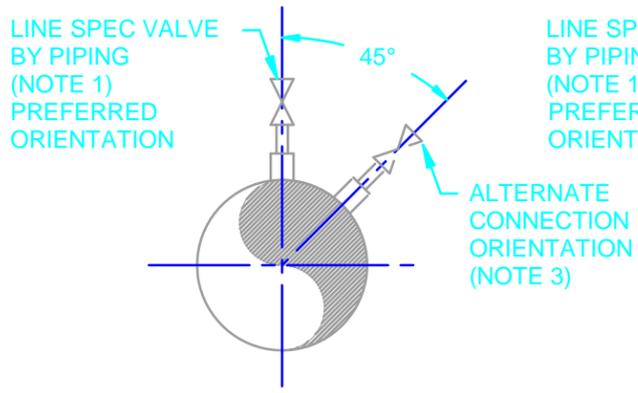
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					Domain: OSI_SS	TYPICAL ORIFICE FLANGE (FE)			
	No :	By :	Date :	Revision :					Sheet 1 of 1



PI, PC & PT PRESSURE
PROCESS CONNECTION.
VERTICAL PIPE - ANY SERVICE

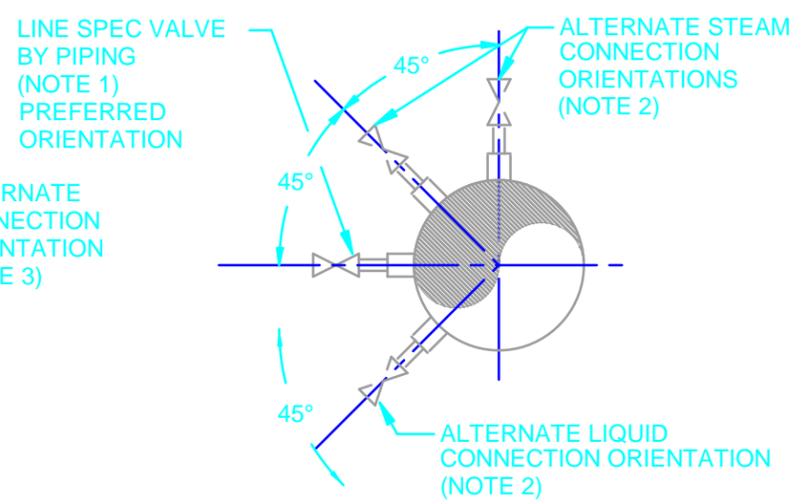


PI, PC & PT FLANGED
PRESSURE PROCESS CONNECTION
ANY SERVICE



PC & PT PRESSURE
PROCESS CONNECTION
HORIZONTAL PIPE
GAS OR VAPOR SERVICE

PI PRESSURE
PROCESS CONNECTION
HORIZONTAL PIPE
ALL SERVICES



PC & PT PRESSURE
PROCESS CONNECTION
HORIZONTAL PIPE
LIQUID OR STEAM SERVICE

NOTES:

1. NORMALLY, ALL VALVES FURNISHED BY PIPING FOR PRESSURE INSTRUMENT PROCESS CONNECTIONS ARE 3/4" SOCKETWELD INLET/SCREWED OUTLET OR SOCKETWELD INLET/SOCKETWELD OUTLET VALVES. IN THE EVENT A FLANGED VALVE IS REQUIRED, PIPING IS TO FURNISH A 3/4" SOCKETWELD OR SCREWED COMPANION FLANGE.
2. IF A VALVE CLEARANCE PROBLEM EXISTS (SUCH AS MIGHT OCCUR IN A PIPE RACK), ROTATE VALVE 45° OR 90° UP FOR STEAM AND 45° DOWN FOR LIQUID FROM THE PIPE HORIZONTAL CENTERLINE.
3. IF A VALVE CLEARANCE PROBLEM EXISTS (SUCH AS MIGHT OCCUR IN A PIPE RACK), ROTATE VALVE 45° OFF THE PIPE VERTICAL CENTERLINE.

Generated date : Wednesday, September 23, 2009 Time : 3:49:55 PM			
No :	By :	Date :	Revision :

Plant: STANDARD
Project: As Built
Domain: OSI_SS



Drawing Name :
Hook-Up Name :
TYPICAL PRESSURE INSTRUMENT

Sheet 1 of 1