

12	001	AD-036004	J	990
REV. NO.	SHEET NO.	DRAWING NUMBER	INDEX	PLANT NO.

DETAIL 1

HORIZONTAL LIQUID & STEAM LINE PREFERRED METHOD

DETAIL 2

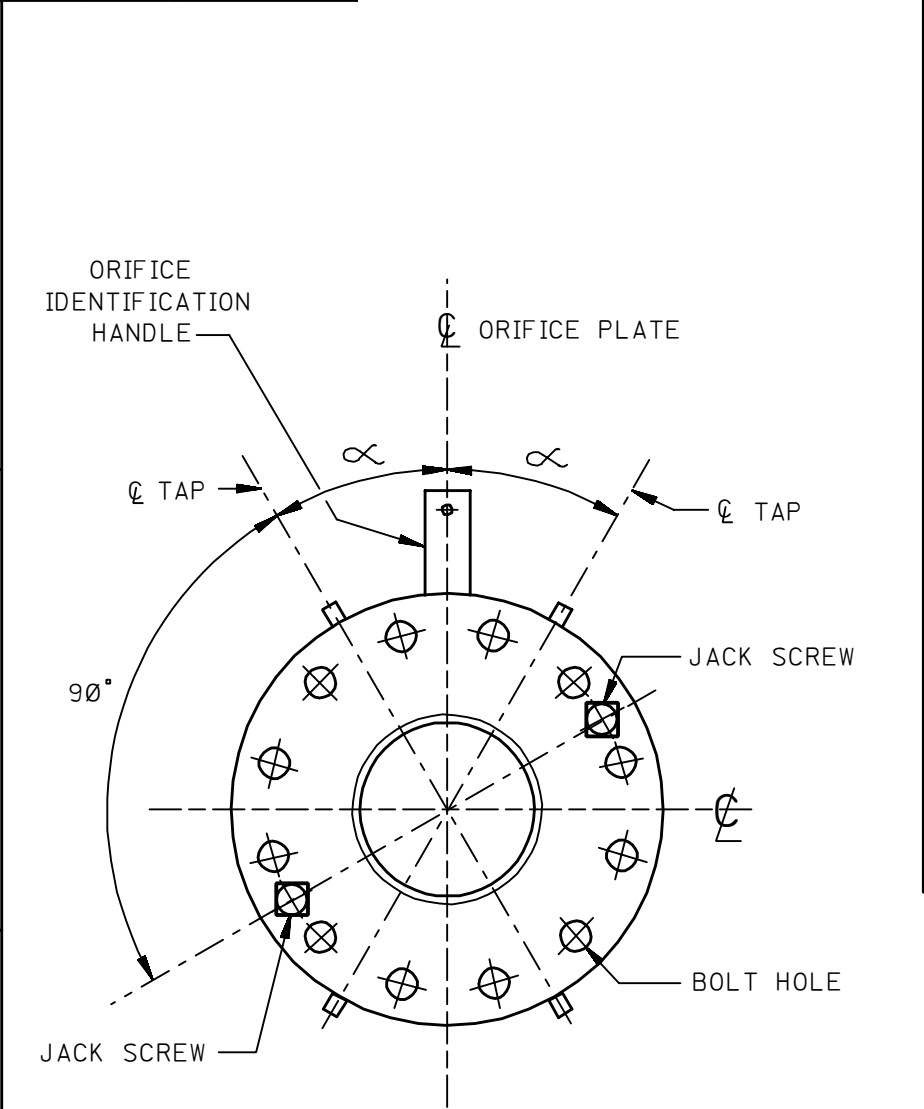
HORIZONTAL LIQUID LINE ALTERNATIVE METHOD

DETAIL 3

HORIZONTAL GAS OR VAPOR LINE PREFERRED METHOD

DETAIL 4

HORIZONTAL STEAM LINE ALTERNATIVE METHOD



ORIENTATION OF TAPS
FOR DETAILS 2, 4 & 6.

DETAIL 5

VERTICAL LIQUID, GAS OR VAPOR LINE

DETAIL 6

VERTICAL STEAM LINE

PIPE SIZE (INCH)	CLASS 150	CLASS 300	CLASS 600	CLASS 900	CLASS 1500
2	—	45	45	45	45
3	—	45	45	45	45
4	—	45	45	45	45
6	—	30	30	30	30
8	—	30	30	30	30
10	—	45	45	45	30
12	—	45	36	36	45
14	30	36	36	36	45
16	45	36	36	36	45
18	45	45	36	36	45
20	36	45	45	36	45
24	36	45	45	36	45
26	45	38 1/2	38 1/2	—	—
28	38 1/2	38 1/2	38 1/2	—	—
30	38 1/2	38 1/2	38 1/2	—	—
32	38 1/2	38 1/2	38 1/2	—	—
34	45	38 1/2	38 1/2	—	—
36	45	45	38 1/2	—	—
38	45	45	38 1/2	—	—
40	40	40	38 1/2	—	—
42	40	40	38 1/2	—	—
44	45	40	38 1/2		
46	45	45	38 1/2		
48	41	45	38 1/2		

NOTES:

1. THIS DRAWING APPLIES TO EITHER PADDLETYPE OR RING JOINT ORIFICE PLATES USING FLANGE TAPS.

2. PADDLE HANDLE TO BE POSITIONED ASSHOWN IN EACH DETAIL.

3. REMOVE INTERNAL WELDING SLAG AT ORIFICE FLANGE TO PIPE CONNECTION AND DRILLING BURRS FROM ORIFICE TAPS.

4. SPARE TAPS TO BE PROVIDED WITH STEEL PLUGS.

5. FLANGE AND PIPE SHALL HAVE EQUAL INTERNAL DIAMETER.

6. DETAIL-1 SHALL BE VARIED AS FOLLOWS:

A. WHEN ORIFICE PLATE HAS VENT AND/OR DRAIN HOLES ROTATE FLANGES TO POSITION TAPS 45° DOWNWARD. LEAVE PLATE AS SHOWN.

B. WHEN ORIFICE PLATE HAS NO VENT OR DRAIN HOLES ROTATE PLATE 45° IN EITHER DIRECTION. LEAVE TAPS AS SHOWN.

THESE VARIATIONS ARE NECESSARY TO AVOID INTERFERENCE BETWEEN THE ORIFICE PLATE HANDLE AND THE JACK SCREW.

DWG. RESPONSIBILITY :

INSTRUMENTS STANDARD COMMITTEE

12	NOV96	RCR		REVISED DETAILS 1 & 3.			
11	11.29.86	MNL		REVISED AND ADDED MANDATORY DWG.			
10	05.25.85	ERC		REDRAWN FOR CLARITY			
REV. NO.	DATE	BY	JO/EWO	DESCRIPTION	CHKD.	CERT.	APPD.

SAUDI ARABIAN OIL COMPANY

DRAWN BY _____ CHECKED BY _____ SCALE NONE

DATE STARTED _____ DATE COMPLETED _____

OPRG. DEPT. _____ ENG. DEPT. _____

APPD. FOR CONSTR. _____

THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION OR FOR ORDERING MATERIAL UNTIL CERTIFIED AND DATED

CERTIFIED BY _____ DATE _____

ORIENTATION FOR ORIFICE FLANGES

STD. DWG.

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