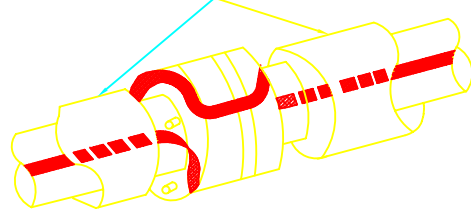
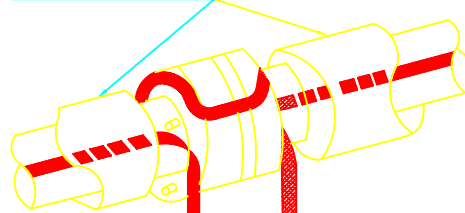


INSULATE OVER TRACING WITH REMOVABLE "CLAM SHELL" OF THERMAL INSULATION.



ORIFICE FLANGE

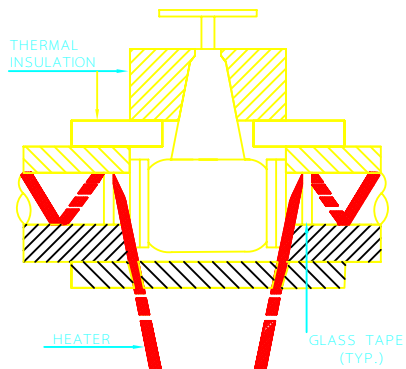
INSULATE OVER TRACING WITH REMOVABLE "CLAM SHELL" OF THERMAL INSULATION.



HEATER

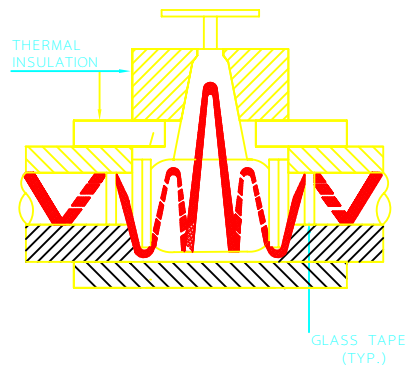
LEAVE LOOSE LOOP OF REQUIRED AMOUNT OF TRACING . WRAP LOOP AROUND "IN LINE" EQUIPMENT .

ORIFICE FLANGE



LEAVE LOOSE LOOP OF REQUIRED AMOUNT OF TRACING . WRAP LOOP AROUND VALVE, OBTAIN LENGTH OF HEAT TRACING FOR VALVE FROM THERMAL DESIGN GUIDE.

TYPICAL VALVE



TYPICAL VALVE

NOTES

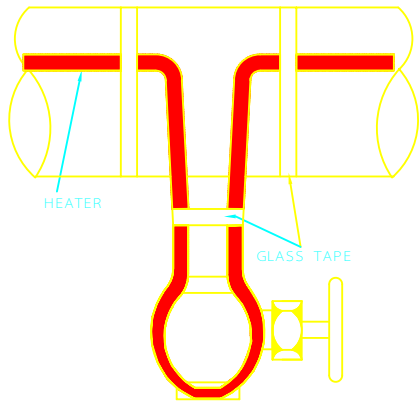
C		
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REV	DESCRIPTION	DATE

IRANIAN PETROLEUM STANDARDS 

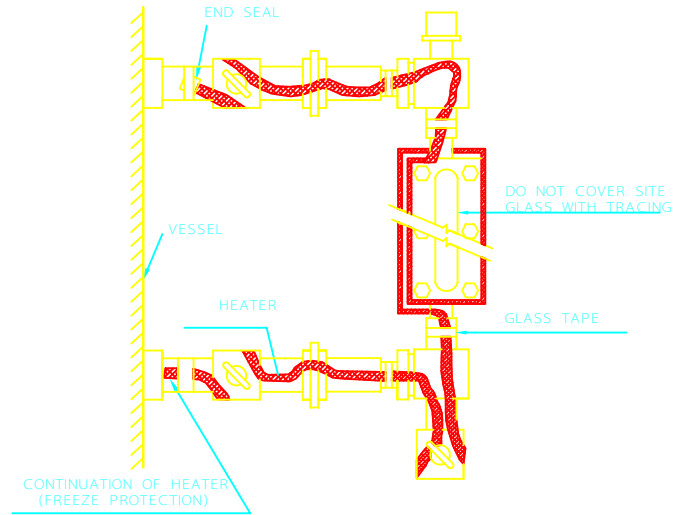
NO REVISION PERMITTED UNLESS APPROVED BY STANDARD ORGANIZATION

REFERENCE DRAWING
ELECTRIC HEAT TRACING
"CATEGORY 800"
DETAILS
(PROCESS AREA)

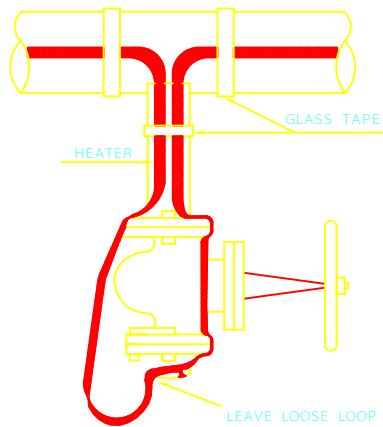
DATE	DRAWING No.	SHEET	REV.
	IPS - D - EL - 801	1	5



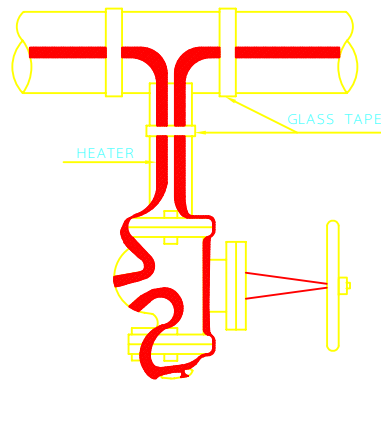
SAMPLE LINE



GAUGE GLASS




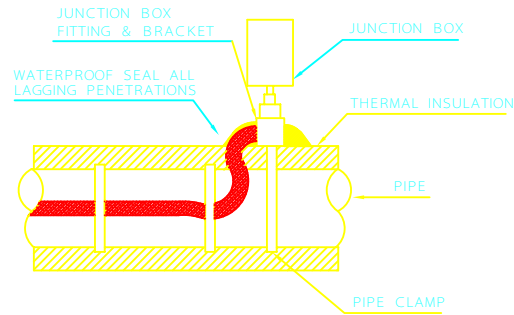
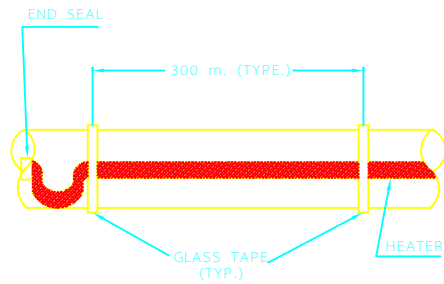
DRAIN VALVE



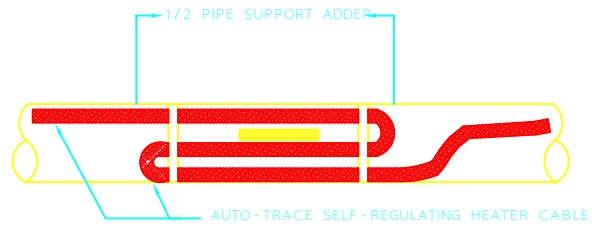
DRAIN VALVE

NOTES

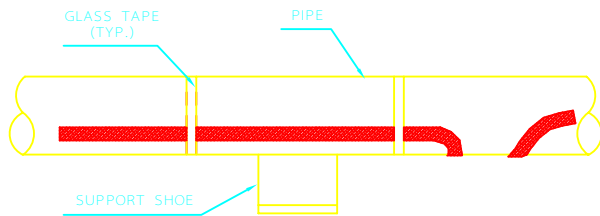
C		
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REV	DESCRIPTION	DATE
IRANIAN PETROLEUM STANDARDS  NO REVISION PERMITTED UNLESS APPROVED BY STANDARD ORGANIZATION		
REFERENCE DRAWING ELECTRIC HEAT TRACING "CATEGORY 800" DETAILS (PROCESS AREA)		
DATE	DRAWING No.	SHEET REV.
	IPS - D - EL - 801	2 / 5



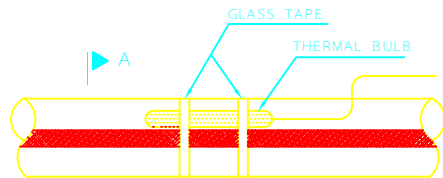
SINGLE POWER POINT ON PIPE RUN



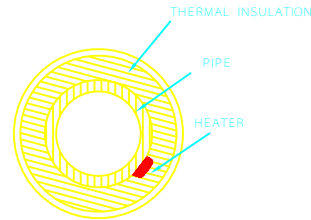
SECTION VIEW



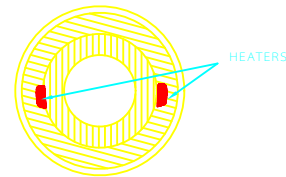
SIDE VIEW



THERMOSTAT THERMAL BULB INSTALLATION

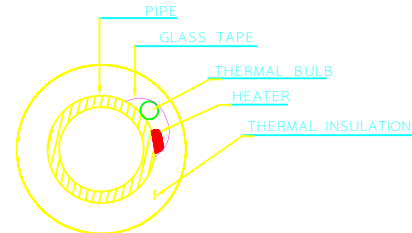


TYPICAL FOR SINGLE TRACERS



TYPICAL FOR TWO TRACERS


TYPICAL CROSS SECTION OF HEATER ON PIPE



TYPICAL FOR SINGLE TRACERS

SECTION "A-A"

NOTES

C			
B			
A			
REV	DESCRIPTION	DATE	
<p>IRANIAN PETROLEUM STANDARDS </p> <p>NO REVISION PERMITTED UNLESS APPROVED BY STANDARD ORGANIZATION</p> <p>REFERENCE DRAWING ELECTRIC HEAT TRACING "CATEGORY 800" DETAILS (PROCESS AREA)</p>			
DATE	DRAWING No.	SHEET	REV.
	IPS - D - EL - 801	3 / 5	

NOTES

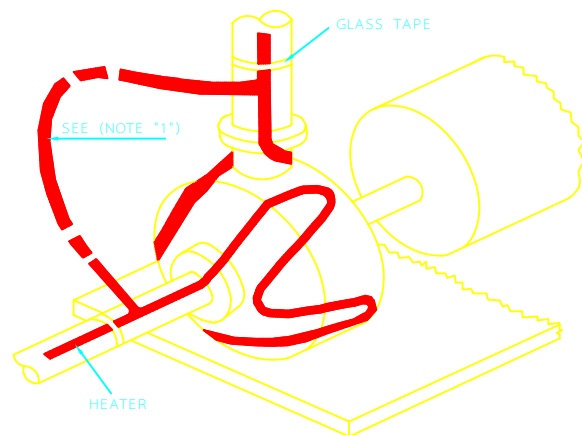
- 1- LEAVE LOOSE LOOP OF REQUIRED AMOUNT OF TRACING, WRAP LOOP AROUND PUMP .

REV	DESCRIPTION	DATE
C		
B		
A		

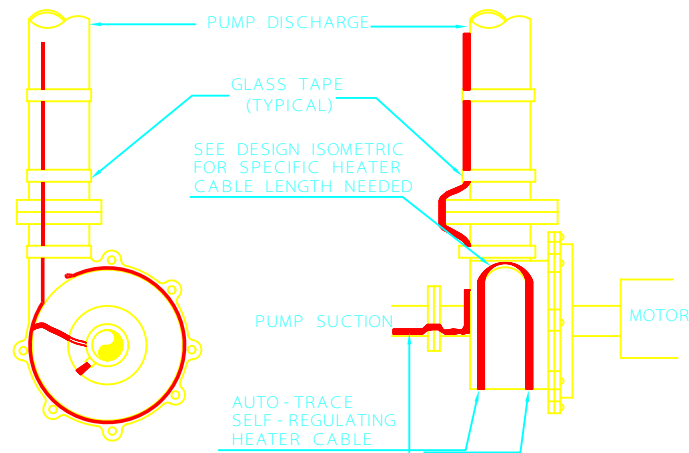
IRANIAN PETROLEUM STANDARDS 
NO REVISION PERMITTED UNLESS APPROVED BY STANDARD ORGANIZATION

REFERENCE DRAWING
 ELECTRIC HEAT TRACING
 "CATEGORY 800"
 DETAILS
 (PROCESS AREA)

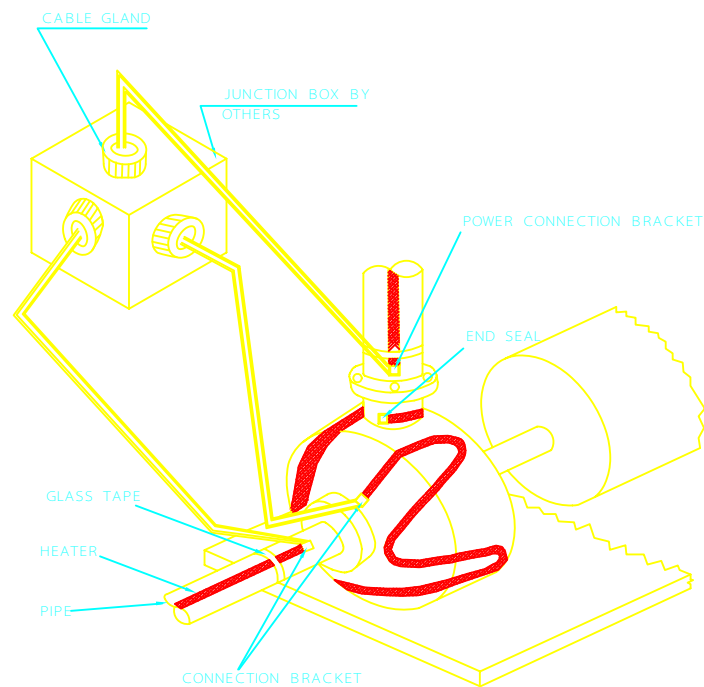
DATE	DRAWING No.	SHEET	REV.
	IPS - D - EL - 801	4	5



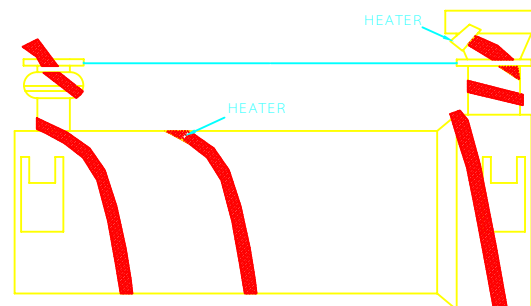
TYPICAL PUMP SINGLE STRIP



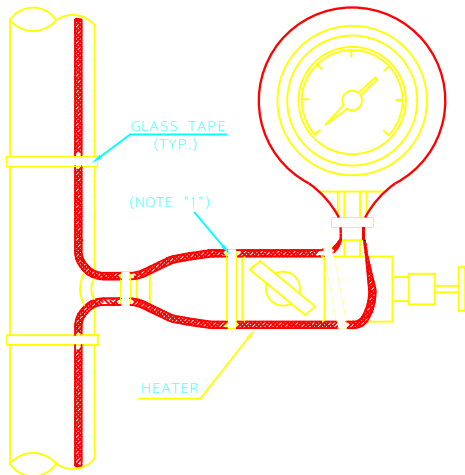
SPLIT CASE PUMP



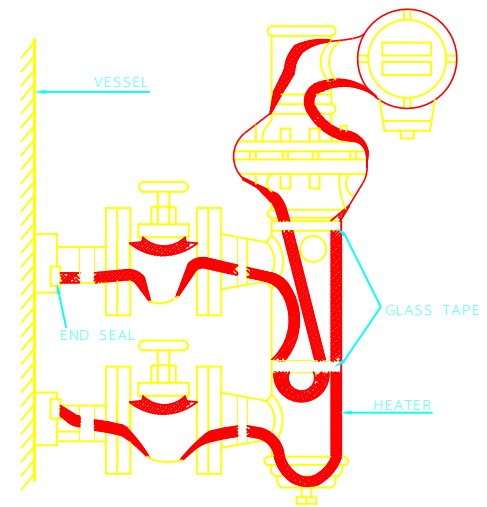
TYPICAL PUMP



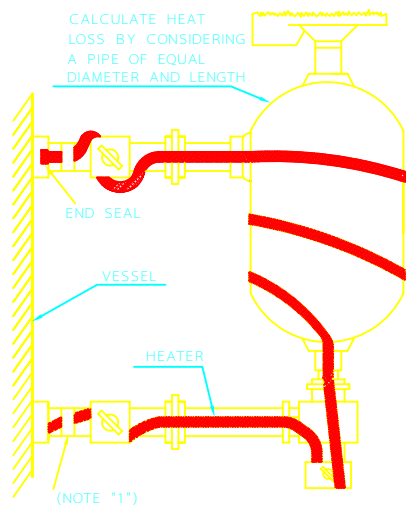
METERING PUMP



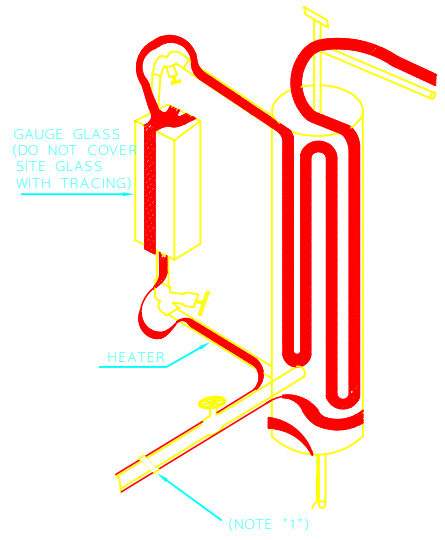
TRACING INSTRUMENT AND SHUT-OFF VALVES



TYPICAL LEVEL CONTROLLER



TYPICAL LEVEL SWITCH OR OTHER AUXILIARY EQUIPMENT



TRACING WATER COLUMN AND LEVEL GAUGE

NOTES

1- FASTEN HEATER WITH GLASS TAPE AS NECESSARY .

C		
B		
A		
REV	DESCRIPTION	DATE

IRANIAN PETROLEUM STANDARDS 
 NO REVISION PERMITTED UNLESS APPROVED BY STANDARD ORGANIZATION

REFERENCE DRAWING
 ELECTRIC HEAT TRACING
 "CATEGORY 800"
 DETAILS
 (PROCESS AREA)

DATE	DRAWING No.	SHEET	REV.
	IPS - D - EL - 801	5	5