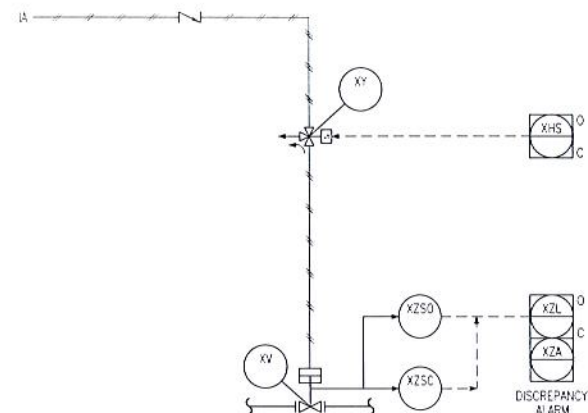
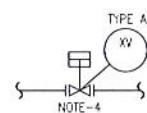


SHOWN ON P&amp;ID

ENGINEERING DETAIL

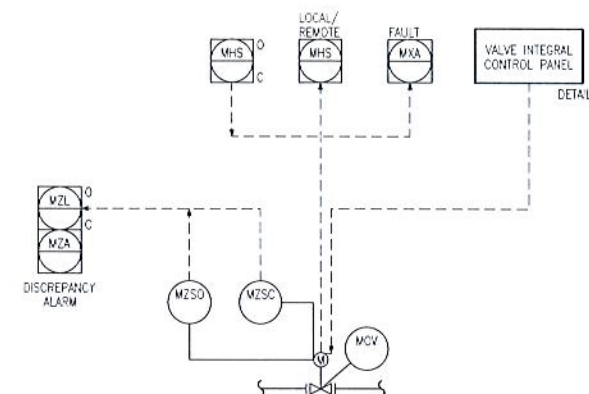
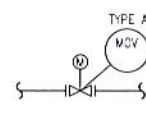
ON/OFF VALVE TYPE A - PNEUMATIC OPERATED



SHOWN ON P&amp;ID

ENGINEERING DETAIL

MOTOR OPERATED VALVE TYPE A - REMOTE OPERATION ONLY



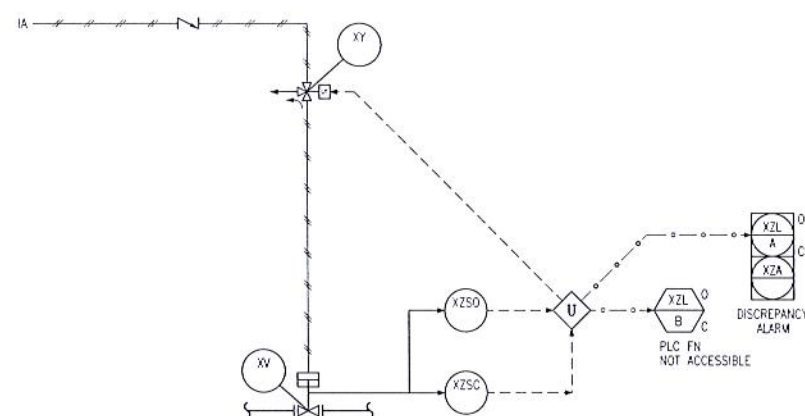
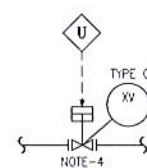
NOTES:

1. QDV - QUICK DISCHARGE VALVE
2. MVS - MANUAL RELEASE VALVE
3. DELUGE RELEASE PUSH BUTTON FROM HARDWIRED CONSOLE FOR PNEUMATIC VALVES
4. FAIL ACTION TO BE SHOWN BENEATH VALVE ON P&ID

SHOWN ON P&amp;ID

ENGINEERING DETAIL

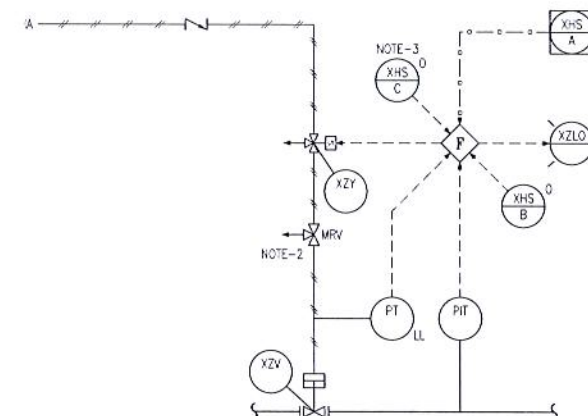
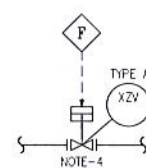
ON/OFF VALVE TYPE C - PNEUMATIC OPERATED FROM UCP



SHOWN ON P&amp;ID

ENGINEERING DETAIL

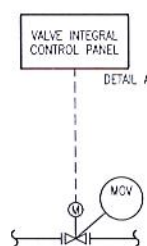
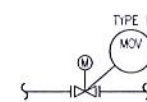
DELUGE (ON/OFF) VALVE TYPE A - PNEUMATIC OPERATED



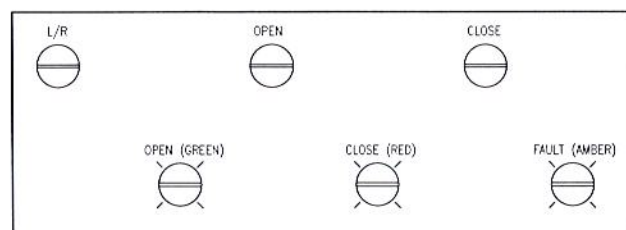
SHOWN ON P&amp;ID

ENGINEERING DETAIL

MOTOR OPERATED VALVE TYPE B - LOCAL OPERATION ONLY



DETAIL-A : VALVE INTEGRAL CONTROL PANEL LOCATED IN FIELD NEXT TO MOV



REV	DATE	DESCRIPTION	PREP'D	CHK'D	APP'D
C01	25.05.16	ISSUED FOR CONSTRUCTION	DX	VU	AB SQ
D01	18.02.16	ISSUED FOR USE (DD)	DX	SI/VU	AB SQ
H01	28.12.15	ISSUED FOR HAZOP (DD)	DX	SI/VU	AB SQ
G01	26.10.15	ISSUED FOR REVIEW (DD)	DX	SI/VU	TT SQ
B02	15.07.15	APPROVED FOR COMPLETION OF FEED	DX	SI/RS	TT SQ
B01	28.05.15	ISSUED FOR DESIGN	DX	SI/RS	TT SQ
A01	10.02.15	ISSUED FOR COMPANY REVIEW	DX	SI/RS	VM JF



EARLY POWER PLANT  
RUMAILA OIL FIELD  
CONTRACT NO. 100478



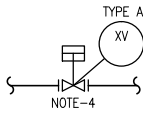
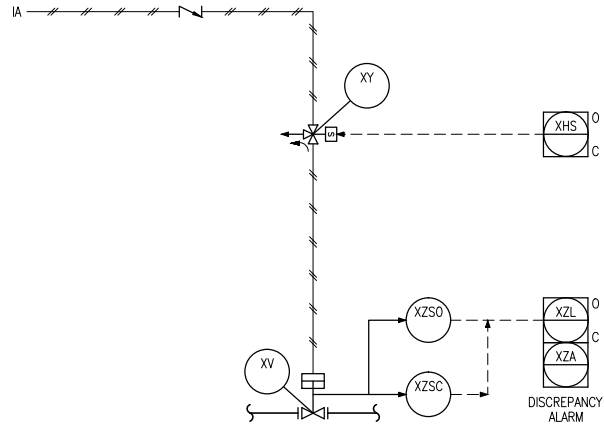
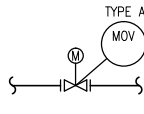
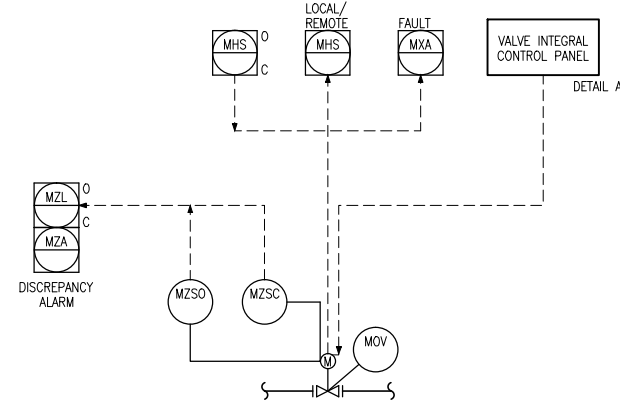
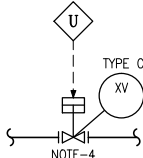
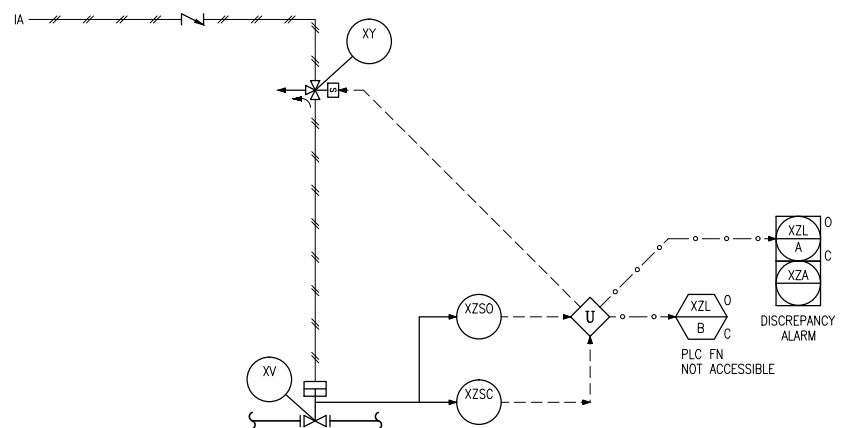
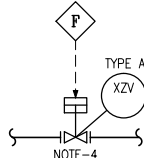
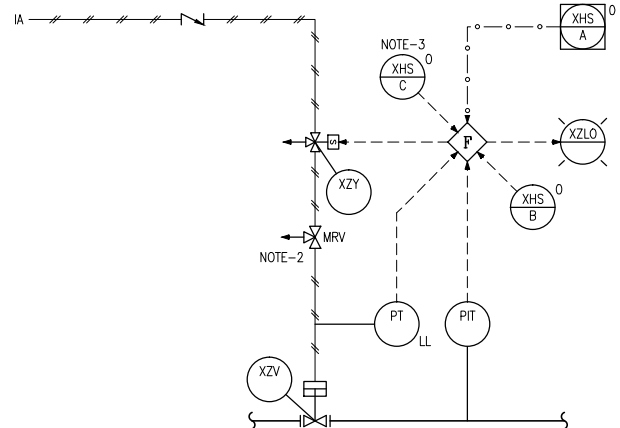
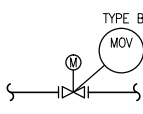
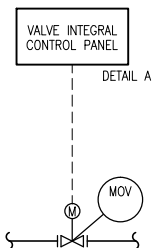
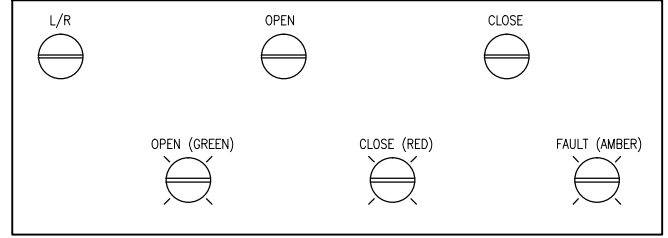
中国石油工程建设公司  
CHINA PETROLEUM ENGINEERING & CONSTRUCTION CORP.




DRAWING TITLE:  
PIPING AND INSTRUMENTATION DIAGRAM  
LEGEND SHEET  
VALVE TYPICALS 3

PROJECT NO.	100478CP	SCALE:	NONE	DWG SIZE:	A1
DRAWING NUMBER:	100478CP-N-PG-PP01-PR-PID-0001-009	SHT. NO.:	09/17	REV.	C01

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SHOWN ON P&ID	ENGINEERING DETAIL	SHOWN ON P&ID	ENGINEERING DETAIL	NOTES:
	<p>ON/OFF VALVE TYPE A – PNEUMATIC OPERATED</p> 		<p>MOTOR OPERATED VALVE TYPE A – REMOTE OPERATION ONLY</p> 	<p>1. QDV – QUICK DISCHARGE VALVE. 2. MRV – MANUAL RELEASE VALVE. 3. DELUGE RELEASE PUSH BUTTON FROM HARDWIRED CONSOLE FOR PNEUMATIC VALVES. 4. FAIL ACTION TO BE SHOWN BENEATH VALVE ON P&amp;ID.</p>
	<p>ON/OFF VALVE TYPE C – PNEUMATIC OPERATED FROM UCP</p> 		<p>DELUGE (ON/OFF) VALVE TYPE A – PNEUMATIC OPERATED</p> 	
	<p>MOTOR OPERATED VALVE TYPE B – LOCAL OPERATION ONLY</p> 			
	<p>DETAIL-A : VALVE INTEGRAL CONTROL PANEL LOCATED IN FIELD NEXT TO MOV</p> 			

C01	25.05.16	ISSUED FOR CONSTRUCTION	DX	WJ	AB	SQ
D01	18.02.16	ISSUED FOR USE (DD)	DX	SI/WJ	AB	SQ
H01	28.12.15	ISSUED FOR HAZOP (DD)	DX	SI/WJ	AB	SQ
G01	26.10.15	ISSUED FOR REVIEW (DD)	DX	SI/WJ	TT	SQ
B02	15.07.15	APPROVED FOR COMPLETION OF FEED	DX	SI/RS	TT	SQ
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REV	DATE	DESCRIPTION	PREP'D	CHK'D	APP'D	

 EARLY POWER PLANT  
RUMAILA OIL FIELD  
CONTRACT NO. 100478

 中国石油工程建设公司  
CHINA PETROLEUM ENGINEERING & CONSTRUCTION CORP.

 CH2MHILL

DRAWING TITLE:  
PIPING AND INSTRUMENTATION DIAGRAM  
LEGEND SHEET  
VALVE TYPICALS 3

PROJECT NO.	100478CP	SCALE:	NONE	DWG. SIZE:	A1
		DRAWING NUMBER:		SHT. NO.:	REV.
		100478CP-N-PG-PP01-PR-PID-0001-009		09/17	C01