

SHOWN ON P&ID

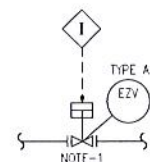
ENGINEERING DETAIL

SHOWN ON P&ID

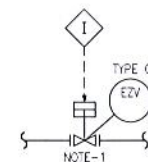
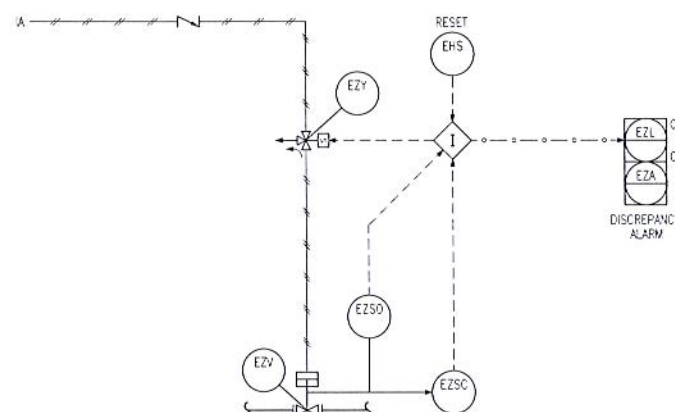
ENGINEERING DETAIL

NOTES:

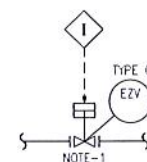
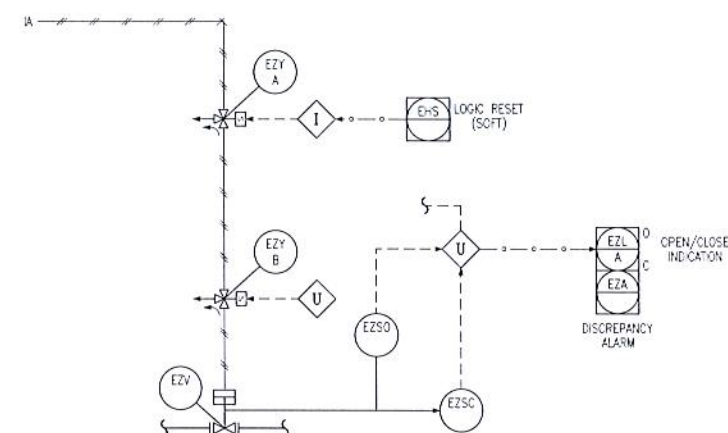
1. FAIL ACTION TO BE SHOWN BENEATH VALVE ON P&ID.



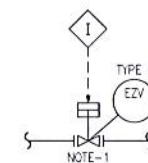
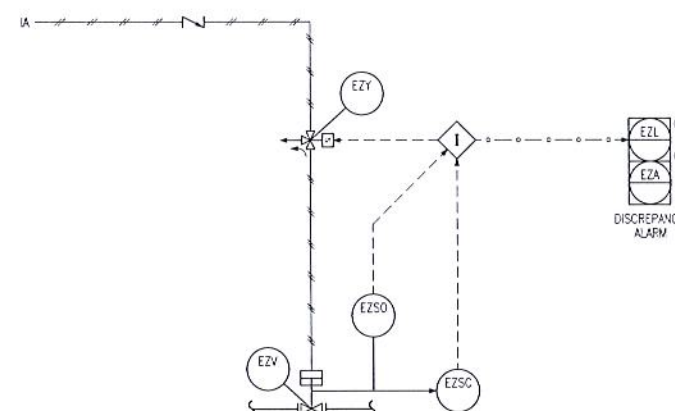
EMERGENCY SHUTDOWN VALVE TYPE A – PNEUMATIC WITH LOCAL RESET & WITHOUT PST
(POSITION SWITCH TO ESD)



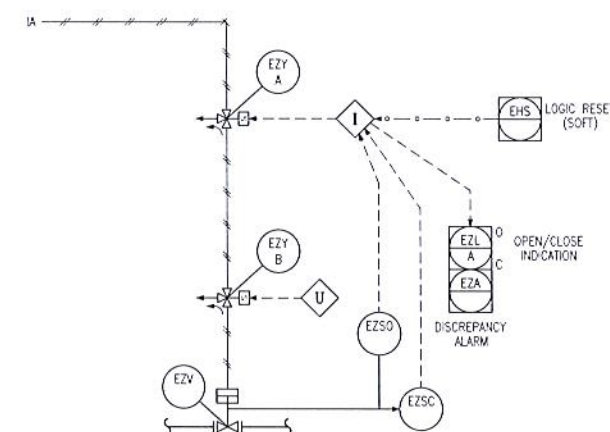
EMERGENCY SHUTDOWN VALVE TYPE Q – (1 SOLENOID UCP, 1 SOLENOID ESD) – WITHOUT PST
(POSITION SWITCH TO UCP)



EMERGENCY SHUTDOWN VALVE TYPE C – PNEUMATIC WITHOUT RESET (AUTO RESET) & WITHOUT PST
(POSITION SWITCH TO ESD)



EMERGENCY SHUTDOWN VALVE TYPE R – (1 SOLENOID UCP, 1 SOLENOID ESD) – WITHOUT PST
(POSITION SWITCH TO ESD)



CO1	25.05.16	ISSUED FOR CONSTRUCTION	DX	VU	AB	SQ
DO1	18.02.16	ISSUED FOR USE (DD)	DX	SI/WJ	AB	SQ
HO1	09.11.15	ISSUED FOR HAZOP (DD)	DX	SI/WJ	TT	SQ
GO1	26.10.15	ISSUED FOR REVIEW (DD)	DX	SI/WJ	TT	SQ
BO2	15.07.15	APPROVED FOR COMPLETION OF FEED	DX	SI/RS	TT	SQ
BO1	28.05.15	ISSUED FOR DESIGN	DX	SI/RS	TT	SQ
AO1	10.02.15	ISSUED FOR COMPANY REVIEW	DX	SI/RS	VM	JF
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.



DRAWING TITLE:
**PIPING AND INSTRUMENTATION DIAGRAM
LEGEND SHEET
VALVE TYPICALS 1**

PROJECT NO.	100478CP	SCALE:	NONE	DWG. SIZE:	A1
DRAWING NUMBER:	100478CP-N-PG-PP01-PR-PID-0001-007	SHT. NO.:	07/17	REV.	C01

SHOWN ON P&ID

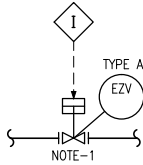
ENGINEERING DETAIL

SHOWN ON P&ID

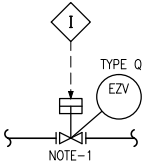
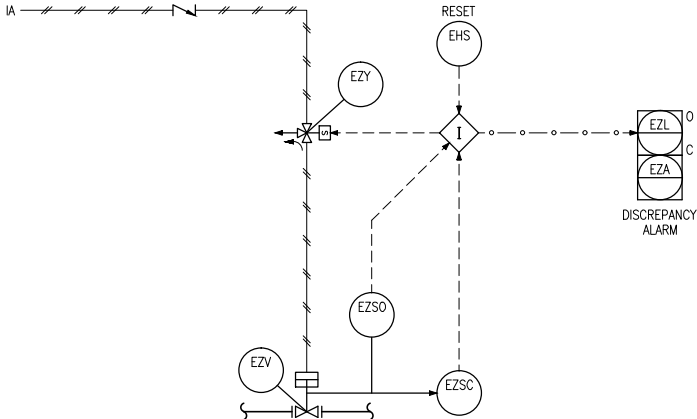
ENGINEERING DETAIL

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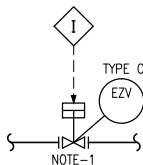
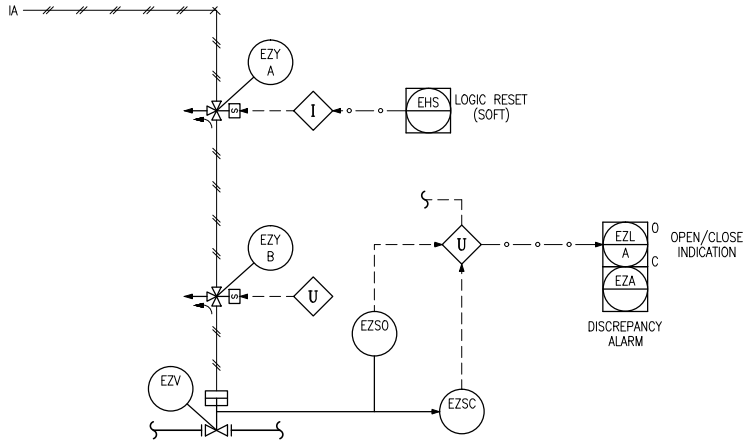
1. FAIL ACTION TO BE SHOWN BENEATH VALVE ON P&ID.



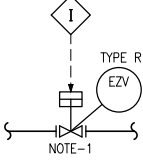
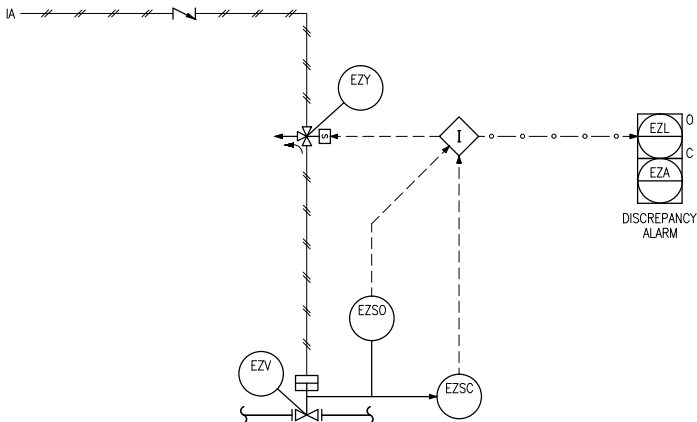
EMERGENCY SHUTDOWN VALVE TYPE A – PNEUMATIC WITH LOCAL RESET & WITHOUT PST (POSITION SWITCH TO ESD)



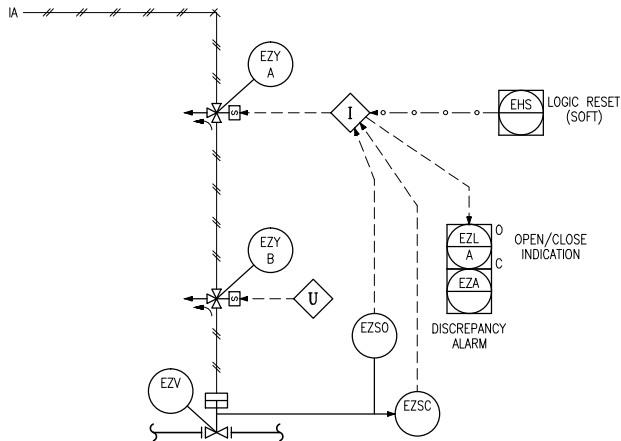
EMERGENCY SHUTDOWN VALVE TYPE Q – (1 SOLENOID UCP, 1 SOLENOID ESD) – WITHOUT PST (POSITION SWITCH TO UCP)



EMERGENCY SHUTDOWN VALVE TYPE C – PNEUMATIC WITHOUT RESET (AUTO RESET) & WITHOUT PST (POSITION SWITCH TO ESD)



EMERGENCY SHUTDOWN VALVE TYPE R – (1 SOLENOID UCP, 1 SOLENOID ESD) – WITHOUT PST (POSITION SWITCH TO ESD)



C01	25.05.16	ISSUED FOR CONSTRUCTION	DX	VJ	AB	SQ
D01	18.02.16	ISSUED FOR USE (DD)	DX	SI/WJ	AB	SQ
H01	09.11.15	ISSUED FOR HAZOP (DD)	DX	SI/WJ	TT	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
B01	28.05.15	ISSUED FOR DESIGN	DX	SI/RS	TT	SQ
A01	10.02.15	ISSUED FOR COMPANY REVIEW	DX	HM/RS	VM	JF
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 1

PROJECT NO.	100478CP	SCALE:	NONE	DWG SIZE:	A1
DRAWING NUMBER:		SHT. NO.:	REV.		
100478CP-N-PG-PP01-PR-PID-0001-007		07/17	C01		