


CONTROL/ESD/F&G SYSTEM OVERALL BLOCK DIAGRAM
FOR PU2 & DU2

NOTES

ABBREVIATIONS & LEGEND



ATRIN RAD MEHR
سهامی خاص
شماره ثبت: ۴۱۴۵۵۰

REFERENCE DRAWINGS	DRG. No.
Specification for Emergency Shutdown System	BH-17-SM-100-IN-SP-0058
Specification for Control System	BH-17-SM-100-IN-SP-0057
Specification for Panels and Cabinets	BH-17-SM-100-IN-SP-0056
Specification for Instrument and Control of Package Unit System	BH-17-SM-100-IN-SP-0055

C				
B				
A				
REV.	DESCRIPTION	BY	DATE	BY
		CHECKED	REV.APPR.	

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DEVELOPMENT OF 28 RESERVOIRS/
BIBI HAKIMEH OILFIELD (EPC)
REVAMPING OF PRODUCTION & DESALTING UNITS OF BIBI HAKIMEH 1&2




TITLE
CONTROL/ESD/FGS SYSTEM OVERALL BLOCK DIAGRAM
FOR PU2 & DU2

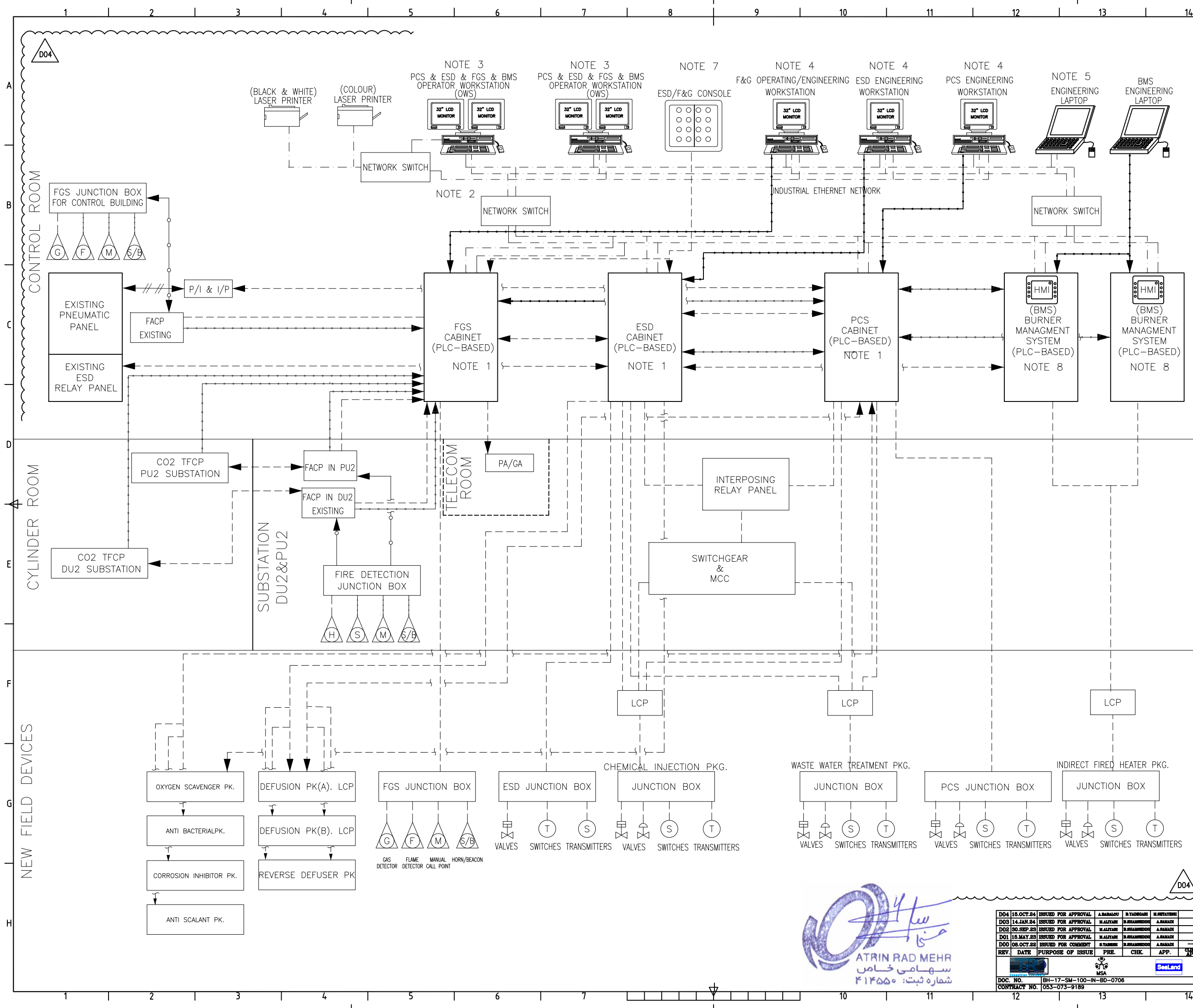
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SCALE:N.T.S.	---	---	---	---

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BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NUMBER	SHEET	REVISION
51-53-971022	F	2	I	---	1/2	D04

51-53-971022	F	2	I	---	1/2	D04
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DO4	16.OCT.24	ISSUED FOR APPROVAL	A.BANALOU	B.YADROGANI	M.SHEYKH	
DO3	14.JAN.24	ISSUED FOR APPROVAL	M.ALTAYAN	B.SHAMSHEDDIN	A.SAMADI	
DO2	30.SEP.23	ISSUED FOR APPROVAL	M.ALTAYAN	B.SHAMSHEDDIN	A.SAMADI	
DO1	16.MAY.23	ISSUED FOR APPROVAL	M.ALTAYAN	B.SHAMSHEDDIN	A.SAMADI	
DO0	08.OCT.22	ISSUED FOR COMMENT	S.TAMMIMI	B.SHAMSHEDDIN	A.SAMADI	
REV.	DATE	PURPOSE OF ISSUE	PRE.	CHK.	APP.	CLIENT APP.
						
DOC. NO.	BH-17-SM-100-IN-BD-0706					
CONTRACT NO.	053-073-9189					



NOTES

1-BACK OF THE PANEL IS MARSHALLING CABINET.

2-NETWORK SWITCH AND INDUSTRIAL ETHERNET NETWORK SHALL BE REDUNDANT.

3-THE QUANTITY OF OWS SHALL BE CONSIDERED TWO NUMBERS AND INCLUDED INDUSTRIAL DUAL MONITOR STAND ARMS.

4-THE QUANTITY OF EWS/OWS SHALL BE CONSIDERED ONE NUMBER AND INCLUDED SINGLE MONITOR.

5-ONE INDUSTRIAL LAPTOP SHALL BE CONSIDERED TO COMMUNICATE WITH PCS, ESD, FGS, PANELS.

6-ALL SERIAL COMMUNICATION SHALL BE PROVIDED REDUNDANT TO CONNECT PCS TO ESD/BMS/FGS.

7-RESET AND TOTAL EMERGENCY SHUT DOWN BUTTONS SHALL BE CONSIDERED ON ESD CONSOLE.

8- HMI SHALL CONSIDERED FOR EACH HEATER

9-A TOTAL EMERGENCY SHUT DOWN LOCKABLE BUTTON SHALL BE CONSIDERED IN GUARD HOUSE.

10-ENGINEERING WORKSTATION AND LAPTOP SHALL HAVE ALL REQUIRED SOFTWARES AND HARDWARE COMPONENTS FOR COMMUNICATING WITH PCS,ESD BMS,FGS PANELS.

11-PANELS ARE SCHEMATIC AND PANEL QUANTITIES HAVE BEEN MENTIONED IN CONTROL ROOM LAYOUT & ARRANGEMENT DRAWING.

12-COMMUNICATION SIGNAL IS CONSIDERED ACCORDING TO CAUSE & EFFECT DOCUMENT. ESD COMMANDS BETWEEN NEW & EXISTING SYSTEMS ARE PERFORMED ONLY THROUGH HARDWARE SIGNALS.

13-CYBER SECURITY REQUIREMENT SHALL BE CONSIDERED BY VENDOR(SUCH AS FIRE WALL,...)

ABBREVIATIONS & LEGEND

ETHERNET

ELECTRONIC SIGNAL

SERIAL LINK

PNEUMATIC

ADDRESSABLE SIGNAL

LCP

LOCAL CONTROL PANEL

FGS

FIRE AND GAS SYSTEM

PCS

PROCESS CONTROL SYSTEM

ESD

EMERGENCY SHUT DOWN SYSTEM

FACP

FIRE ALARM CONTROL PANEL

CO2 TFCP

CO2 TOTAL FLOODING CONTROL PANEL

MCC

MOTOR CONTROL CENTER

PA/GA

PAGING/GENERAL ALARM

P/I

PNEUMATIC TO SIGNAL CONVERTOR

I/P

SIGNAL TO PNEUMATIC CONVERTOR

REFERENCE DRAWINGS

DRG. No.

Specification for Emergency Shutdown System

BH-17-SM-100-IN-SP-0058

Specification for Control System

BH-17-SM-100-IN-SP-0057

Specification for Panels and Cabinets

BH-17-SM-100-IN-SP-0056

Specification for Instrument and Control of Package Unit System

BH-17-SM-100-IN-SP-0055

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DATE:---

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LOCATION

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D04

ATIRIN RAD MEHR

سهامی خاص

شماره ثبت: ۴۱۴۵۵۰

15.OCT.24

ISSUED FOR APPROVAL

A.BANALOU

B.YADGARANI

M.SHEIKH

14.JAN.24

ISSUED FOR APPROVAL

M.ALTAYEB

B.SHAHMEEN

A.RAMANI

30.SEP.23

ISSUED FOR APPROVAL

M.ALTAYEB

B.SHAHMEEN

A.RAMANI

16.MAY.23

ISSUED FOR APPROVAL

M.ALTAYEB

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08.OCT.22

ISSUED FOR COMMENT

S.TAMIMI

B.SHAHMEEN

A.RAMANI

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CUST.

SeeLand

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