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 ATRIN RAD MEHR
 سهامی خاص
 شماره ثبت: ۴۱۴۵۵۰

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REV.	DESCRIPTION	BY	DATE	BY	DATE
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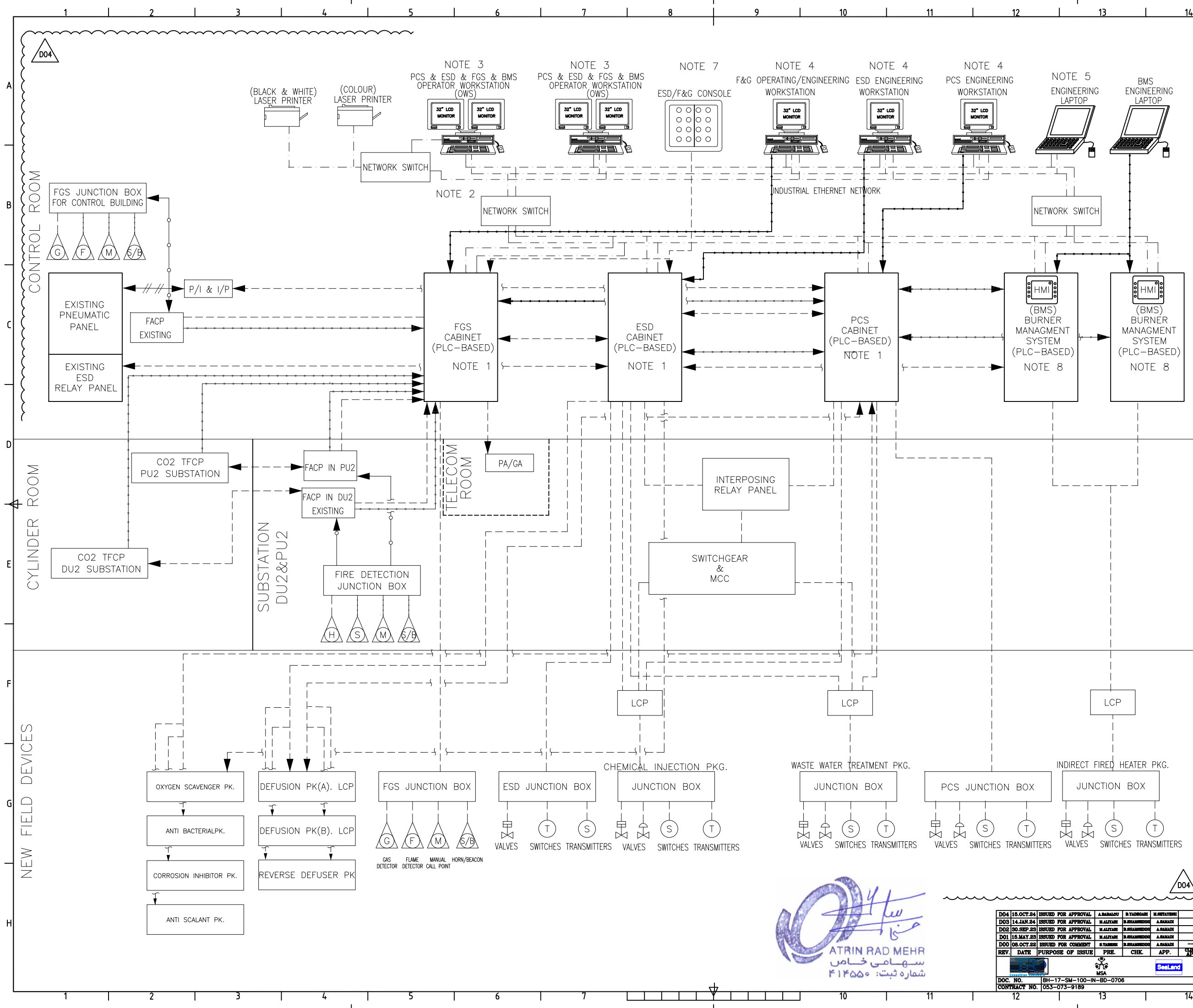
DEVELOPMENT OF 28 RESERVOIRS/
BIBI HAKIMEH OILFIELD (EPC)

DATE:---	DRAWN BY	CHECKED BY	PROJECT ENG.	CHECKED BY
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BUDGET REF						LOCATION		SIZE	CLASS	SERIAL NUMBER	SHEET	REVISION
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12	13	14
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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		

REV.	DESCRIPTION	BY		DATE	
		CHECKED	DATE	BY	DATE

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DEVELOPMENT OF 28 RESERVOIRS/ BIBI HAKIMKH OILFIELD (BPC)

REVENING OF PRODUCTION & DESALTING UNITS OF BIBI HAKIMKH 1&2

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

DATE	DRAWN BY	CHECKED BY	PROJECT ENG.	CHECKED BY

SCALE: N.T.S.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE: ---

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

ATIRIN RAD MEHR
سهامی خاص
شماره ثبت: ۴۱۴۵۵

DO4	16.OCT.24	ISSUED FOR APPROVAL	A.BANALOU	B.YADGARANI	M.SHEIKH
D03	14.JAN.24	ISSUED FOR APPROVAL	M.ALTAYEB	B.SHAHMEEN	A.BANADI
D02	30.SEP.23	ISSUED FOR APPROVAL	M.ALTAYEB	B.SHAHMEEN	A.BANADI
D01	16.MAY.23	ISSUED FOR APPROVAL	M.ALTAYEB	B.SHAHMEEN	A.BANADI
D00	08.OCT.22	ISSUED FOR COMMENT	B.TAMIMI	B.SHAHMEEN	A.BANADI
REV.	DATE	PURPOSE OF ISSUE	PRE.	CHK.	APP.

DOC. NO. BH-17-SM-100-IN-BD-0706
CONTRACT NO. 053-073-9189