

SINGLE LINE DIAGRAM

NOTES	
LEGEND	
REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR DC CHARGER	BK-GNRL-PEDCO-000-EL-SP-0005
CALCULATION NOTE FOR DC CHARGER SYSTEM	BK-GCS-PEDCO-120-EL-CN-0005
DATA SHEETS FOR DC CHARGER	BK-GCS-PEDCO-120-EL-DT-0002

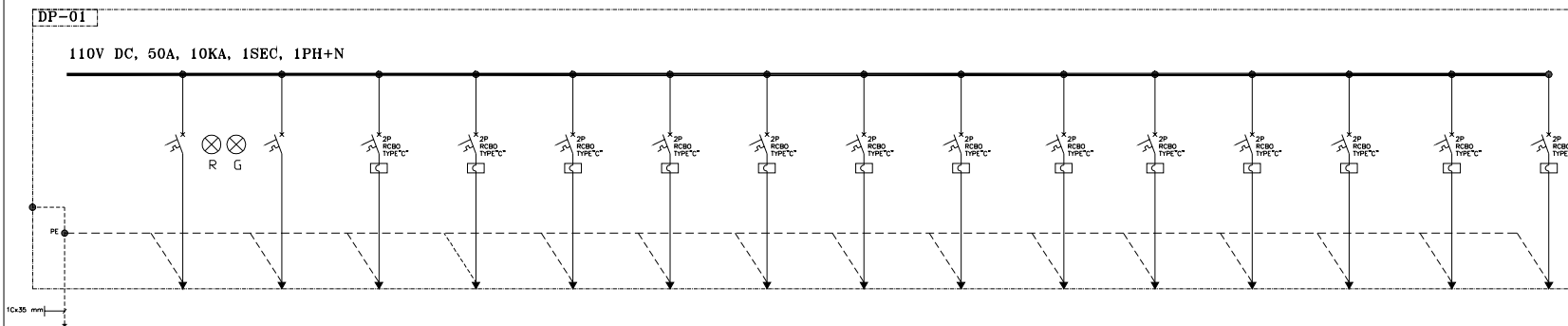
[illegible]

INDEX SHEET

SHEET No.	DESCRIPTION	D00	D01	D02	D03	D04
01	COVER SHEET	✓	✓	✓	✓	
02	INDEX SHEET	✓	✓	✓	✓	
03	SYMBOL & NOTES	✓	✓	✓	✓	
04	110 VDC BATTERY CHARGER CONFIGURATION	✓	✓	✓	✓	
05	110 VDC CHARGER DISTRIBUTION BOARD	✓	✓	✓	✓	
06	24 VDC BATTERY CHARGER CONFIGURATION	✓	✓	✓	✓	
07	24 VDC CHARGER DISTRIBUTION BOARD	✓	✓	✓	✓	

NOTES	
LEGEND	
REFERENCE DRAWING	DOC. No.
REPLICATION FOR DC CHARGER	BK-CN0AL-PIEDCO-000-EL-SP-0000
CALCULATION NOTE FOR DC CHARGER SYSTEM	BK-CDS-PIEDCO-100-BL-CN-0000
DATA SHEETS FOR DC CHARGER	BK-CDS-PIEDCO-100-EL-DT-0000
KEY PLAN	

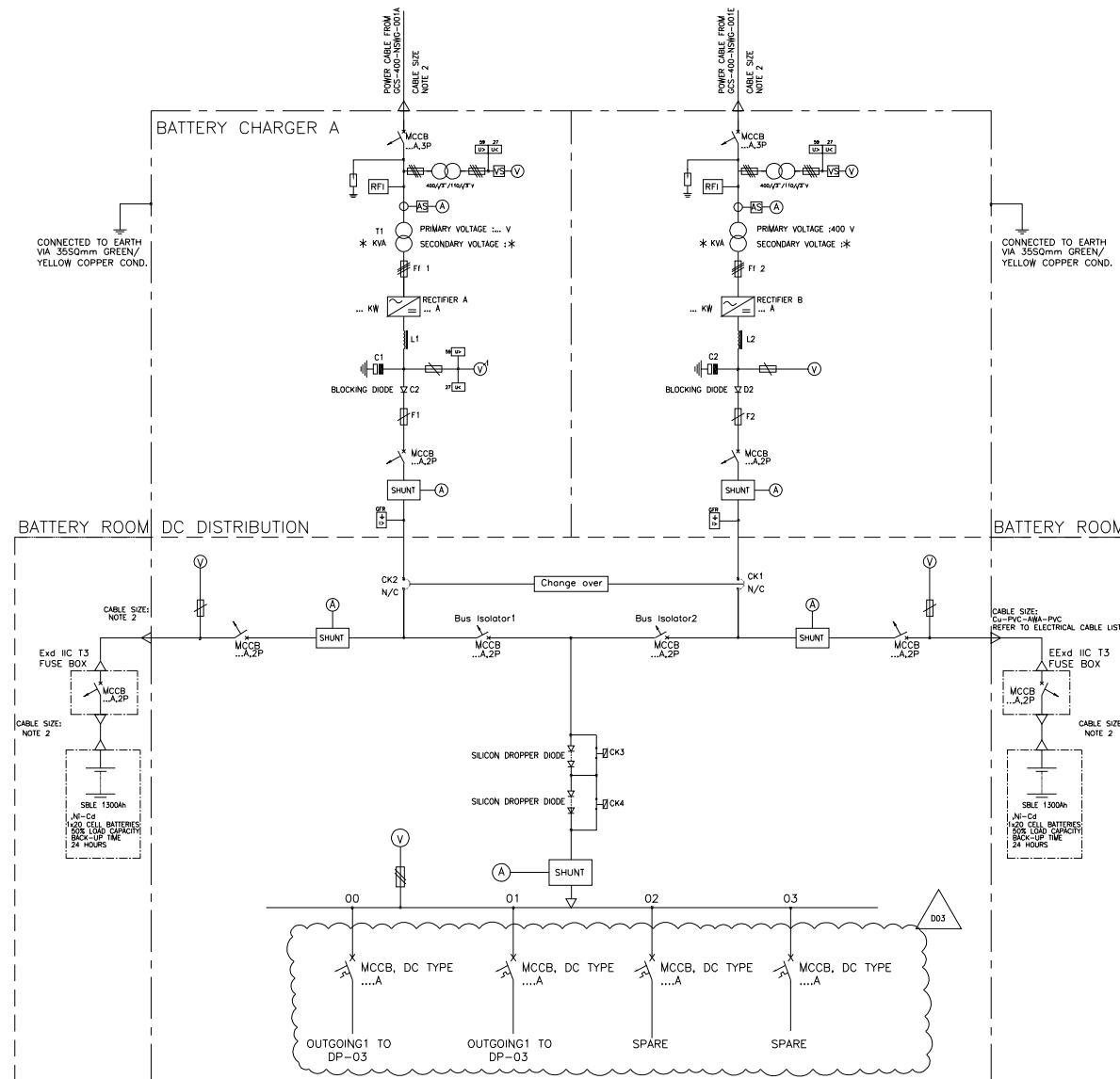
D03	MAY.2023	IFA	R.H.MADDA	R.YOUSSEF	A.J.MURSHIDI	00.00													
D02	AUG.2022	IFA	R.H.MADDA	R.YOUSSEF	M.HADIRAD	00.00	000.00	000.0000	00.00	000.0000	00.00	000.0000							
D01	JAN.2022	IFA	R.H.MADDA	R.YOUSSEF	M.HADIRAD	00.00													
D00	DIC5.2021	IPC	R.H.MADDA	R.YOUSSEF	M.HADIRAD	00.00													
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.													
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION																			
PROJECT NO.: 971000																			
EPC CONTRACTOR:						EPC/EPC CONTRACTOR (GC):						BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPRESSOR STATION							
  HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES						 PETROIRAN DEVELOPMENT COMPANY													
DATE						SCALE						DRAWING BY CHECKED BY PROJECT ENG.							
DRAWING TITLE: DC CHARGER SINGLE LINE DIAGRAM																			
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED																			
APPROVED FOR CONSTRUCTION BY: DATE:																			
BUDGET REF. LOCATION SIZE CLASS SERIAL NO. REVISION																			
06 OF 07 D03 06-073-016 2 C P 700930 06 OF 07 D03																			



FEEDER No.	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F14
CB TYPE/RATING	MCCB,2P,50A	MCCB,2P,50A	MCCB,2P,16A	RCBO,2P,16A	RCBO,2P,16A	RCBO,2P,16A	RCBO,2P,16A	RCBO,2P,16A	RCBO,2P,16A	RCBO,2P,16A	RCBO,2P,16A	RCBO,2P,16A	RCBO,2P,16A	RCBO,2P,16A	RCBO,2P,16A
CABLE SIZE	—	—	2C×6	2C×6	2C×6	2C×6	2C×6	2C×6	2C×6	2C×6	2C×6	2C×6	2C×6	2C×6	2C×6
CABLE TYPE	—	—	CU/PVC/PVC	CU/PVC/PVC	CU/PVC/PVC	CU/PVC/PVC	CU/PVC/PVC	CU/PVC/PVC	CU/PVC/PVC	CU/PVC/PVC	CU/PVC/PVC	CU/PVC/PVC	CU/PVC/PVC	CU/PVC/PVC	CU/PVC/PVC
DESCRIPTION	INCOMING FROM 110VDC CHARGER	INCOMING FROM 110VDC CHARGER	11 KV Existing Switchgear A	11 KV Existing Switchgear B	3.3 KV New Switchgear	0.4 KV Existing Switchgear A & Coupler	0.4 KV Existing Switchgear B	0.4 KV Existing Switchgear E	0.4 KV New Switchgear A & Coupler	0.4 KV New Switchgear B	0.4 KV New Switchgear E		SPARE	SPARE	SPARE

110 VDC CHARGER DISTRIBUTION BOARD

DOS	MAY.2009	IPA	KIRKWOOD	KIRKWOOD	KIRKWOOD	REV.	***	*****	00.00	00.00	00.00	DATE	DATE	DATE
DOS	AUG.2002	IPA	KIRKWOOD	KIRKWOOD	KIRKWOOD	REV.	***	*****	00.00	00.00	00.00	DATE	DATE	DATE
DOS	JAN.2002	IPA	KIRKWOOD	KIRKWOOD	KIRKWOOD	REV.	***	*****	00.00	00.00	00.00	DATE	DATE	DATE
DOS	DIC.2001	IPC	KIRKWOOD	KIRKWOOD	KIRKWOOD	REV.	***	*****	00.00	00.00	00.00	DATE	DATE	DATE
REV.	DATE	P.O.I.F	PREP.	CHK.	APP.	AUT.								
PROJECT NAME: BIRAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION PROJECT NO.: 971020 EPC CONTRACTOR: EPD/EPC CONTRACTOR (GC):   HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES PETROIRAN DEVELOPMENT COMPANY														
DATE SCALE DRAWING BY CHECKED BY PROJECT E NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED FOR CONSTRUCTION BY: DATE: REVISION BUDGET REF. LOCATION AREA CLASS SERIAL NO. SHEET REV. 06 OF 07 03-073-114 F 2 F 700039 05 OF 07 003														



(*): RATING BY DC CHA R MANUFACTURER

24 VDC BATTERY CHARGER CONFIGURATION

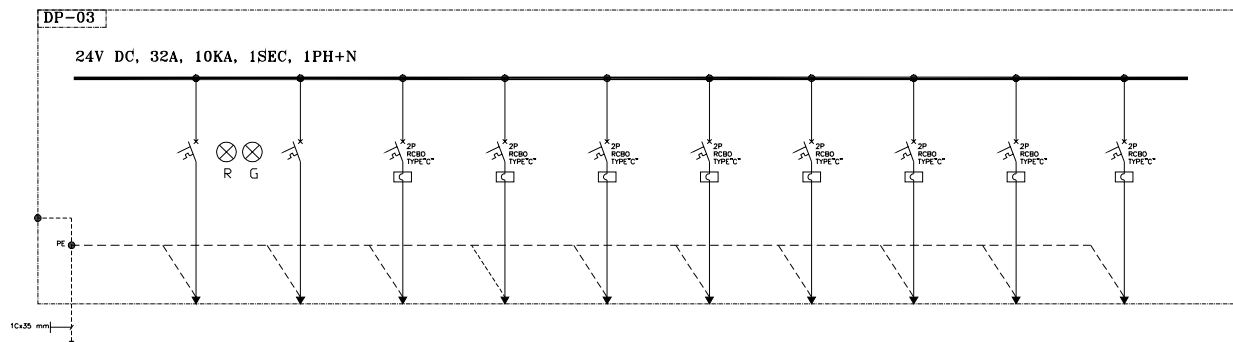
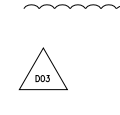
NOTES

LEGEND

REFERENCE DRAWING	DWG. No.
SPROIFICATION FOR DC CHARGER	BK-CBIAL-PEDCO-006-SL-SP-0006
CALCULATION NOTE FOR DC CHARGER SYSTEM	BK-CGS-PEDCO-120-SL-CN-0006
DATA SHEETS FOR DC CHARGER	BK-CGS-PEDCO-120-SL-DT-0006

KEY PLAN

DDO	MAY.2020	IPA	A.BAHARI	A.FARHANI	A.BAHARI	DDO															
DDO	AUG.2020	IPA	A.BAHARI	A.FARHANI	A.BAHARI	DDO	***	*****	DDO	DDO	DDO	DDO									
DDO	JAN.2020	IPA	A.BAHARI	A.FARHANI	A.BAHARI	DDO															
DDO	DIST.2020	IPC	A.BAHARI	A.FARHANI	A.BAHARI	DDO															
REV.	DATE	P.O.L.S	PREP.	CHK.	APP.	AUT.															
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION							REV. DISCREPTION CHECKED REV. APPR.														
PROJECT NO.: 971020							و که هیچ این نقشه و هر تغییر مقتضی به ذکر آن در مقابل خط غیر مجاز میباشد.														
EPC CONTRACTOR: HIRAN ENERGY DESIGN & INSPECTION COMPANIES							THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS														
EPD/EPC CONTRACTOR (GO): PETROIRAN DEVELOPMENT COMPANY																					
BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPRESSOR STATION																					
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NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED																					
APPROVED FOR CONSTRUCTION BY: DATE:																					
SCALE		SIZE		DRAWING NO.		SHEET NO.		REV.		BUDGET REF.		LOCATION		CLASS		SERIAL NO.		SHEET		REVISION	
NW		A2		BK-CGS-PEDCO-120-SL-SP-0006		06 OF 07		D03		003-073-014		P		Z		700009		06 OF 07		D03	
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED																					
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SCALE		SIZE		DRAWING NO.		SHEET NO.		REV.		BUDGET REF.		LOCATION		CLASS		SERIAL NO.		SHEET		REVISION	
NW		A2		BK-CGS-PEDCO-120-SL-SP-0006		06 OF 07		D03		003-073-014		P		Z		700009		06 OF 07		D03	



FEEDER No.	F1	F2	F3	F4	F5	F6	F7	F8	F9
CB TYPE/RATING	MCCB,2P,32A	MCCB,2P,32A	RCB0,2P,16A	RCB0,2P,16A	RCB0,2P,16A	RCB0,2P,16A	RCB0,2P,16A	RCB0,2P,16A	RCB0,2P,16A
CABLE SIZE	-	-	2Cx6	2Cx6	2Cx6	2Cx6	2Cx6	2Cx6	2Cx6
CABLE TYPE	-	-	CU/PVC/PVC	CU/PVC/PVC	CU/PVC/PVC	CU/PVC/PVC	CU/PVC/PVC	CU/PVC/PVC	CU/PVC/PVC
DESCRIPTION	INCOMING FROM 24VDC CHARGER	INCOMING FROM 24VDC CHARGER	F&G F&G SYSTEM PANEL	F&G MARSHALLING PANEL (REDUNDANT)	F&G SYSTEM	F&G DETECTORS (REDUNDANT)	FIRE PROTECTION AND TOTAL FLOODING SYSTEM UCP	FIRE PROTECTION AND TOTAL FLOODING SYSTEM UCP (REDUNDANT)	SPARE

24 VDC CHARGER DISTRIBUTION BOARD

<table><tr><td>DDO</td><td>MAY.2020</td><td>IPA</td><td>U.FAHREHAN</td><td>U.FAHREHAN</td><td>U.FAHREHAN</td><td>U.FAHREHAN</td></tr><tr><td>DDO</td><td>AUG.2022</td><td>IPA</td><td>U.FAHREHAN</td><td>U.FAHREHAN</td><td>U.FAHREHAN</td><td>U.FAHREHAN</td></tr><tr><td>DDO</td><td>JAN.2022</td><td>IPA</td><td>U.FAHREHAN</td><td>U.FAHREHAN</td><td>U.FAHREHAN</td><td>U.FAHREHAN</td></tr><tr><td>DDO</td><td>DIST.2021</td><td>IPC</td><td>U.FAHREHAN</td><td>U.FAHREHAN</td><td>U.FAHREHAN</td><td>U.FAHREHAN</td></tr><tr><td>REV.</td><td>DATE</td><td>P.O.I.F</td><td>PREP.</td><td>CHK.</td><td>APP.</td><td>AUT.</td></tr></table>							DDO	MAY.2020	IPA	U.FAHREHAN	U.FAHREHAN	U.FAHREHAN	U.FAHREHAN	DDO	AUG.2022	IPA	U.FAHREHAN	U.FAHREHAN	U.FAHREHAN	U.FAHREHAN	DDO	JAN.2022	IPA	U.FAHREHAN	U.FAHREHAN	U.FAHREHAN	U.FAHREHAN	DDO	DIST.2021	IPC	U.FAHREHAN	U.FAHREHAN	U.FAHREHAN	U.FAHREHAN	REV.	DATE	P.O.I.F	PREP.	CHK.	APP.	AUT.	<table><tr><td colspan="2">REV.</td><td colspan="2">DESCRIPTION</td><td colspan="2">CHECKED</td><td colspan="2">REV. APPR.</td></tr><tr><td colspan="2"></td><td colspan="2">BY</td><td colspan="2">DATE</td><td colspan="2">BY</td></tr><tr><td colspan="2"></td><td colspan="2">DATE</td><td colspan="2">DATE</td><td colspan="2">DATE</td></tr></table>							REV.		DESCRIPTION		CHECKED		REV. APPR.				BY		DATE		BY				DATE		DATE		DATE	
DDO	MAY.2020	IPA	U.FAHREHAN	U.FAHREHAN	U.FAHREHAN	U.FAHREHAN																																																																		
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