

WIRING DIAGRAM FOR INTERPOSING RELAY PANEL (IRP)

	NOTES

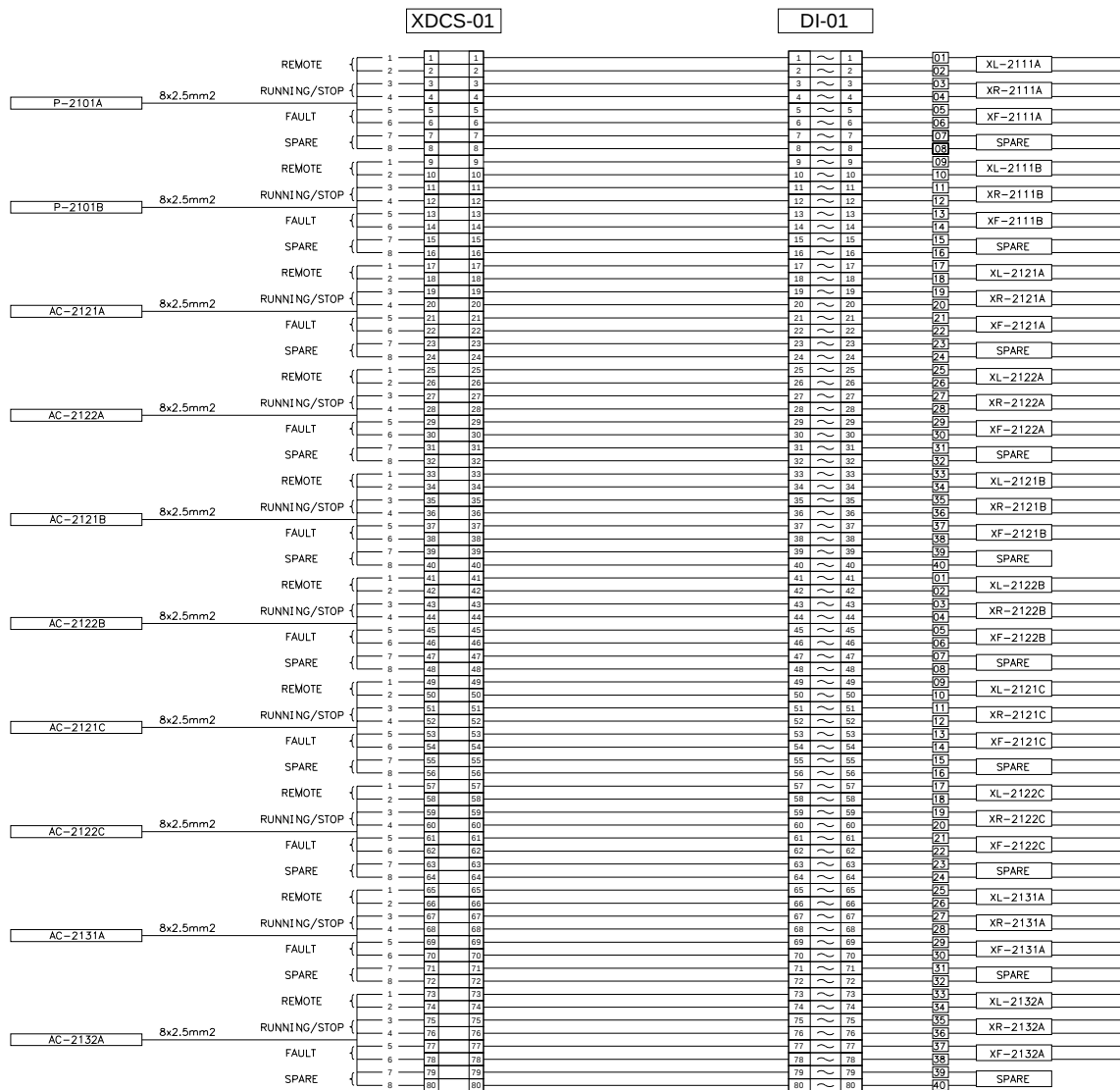
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REFERENCE DRAWING	DRG. No.
ELECTRICAL I/O SIGNAL LIST	BK-CGS-PEDCOO-120-EL-IJ-00
I/O LIST FOR CONTROL SYSTEM	BK-CGS-PEDCOO-120-IN-IJ-00
I/O LIST FOR ESD SYSTEM	BK-CGS-PEDCOO-120-IN-IJ-00
INSTRUMENT P&ID CABLE LIST	BK-CGS-PEDCOO-120-IN-IJ-00

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KEY PLAN

[illegible]



DCS STATUS MARSHALING SYSTEM

D01

TO DCS

19 PAIRS-1 (IRP-DCS 1)

TO DCS

19 PAIRS-1 (IRP-DCS 2)

NOTES

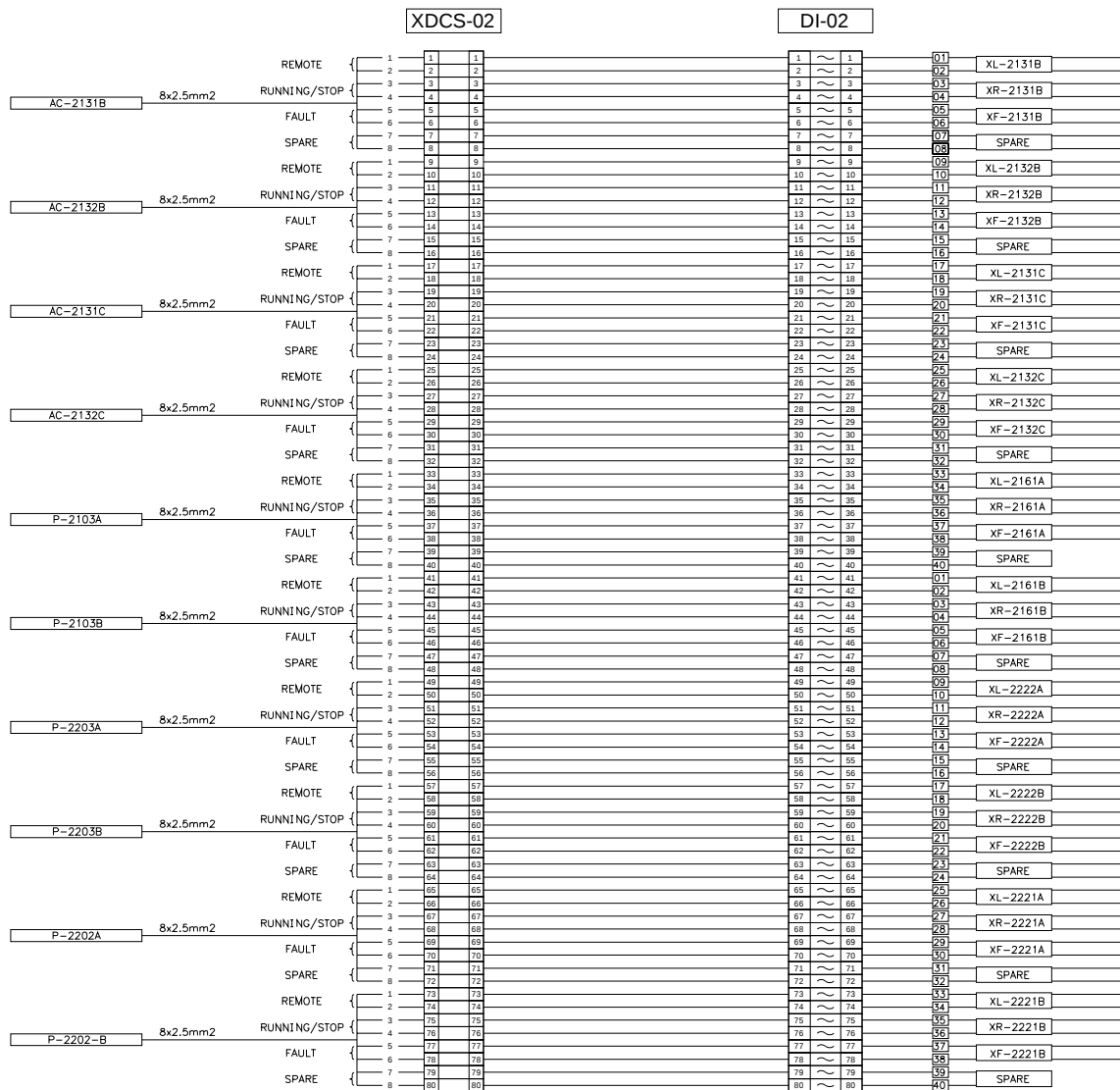
- 1-NORMALLY CLOSED CONTACT RELAYS SHALL BE CONSIDERED FOR STOP SIGNALS FROM DCS AND ESD SYSTEMS.
- 2-RELAY COILS SHALL BE ASSIGNED TO BE IN ENERGIZE STATE 24 HOURS A DAY. RELAY COILS WILL BE POWERED BY 24 VDC SUPPLY BY DCS AND ESD SYSTEMS. RELAYS CONTACT WILL BE POWERED BY ELECTRICAL PANELS.
- 3-TNS DOCUMENT WILL BE FINALIZED BY VENDOR.

LEGEND

REFERENCE DRAWING	DRG. No.
ELECTRICAL I/O SIGNAL LIST	IR-DCS-PEDCO-130-ES-12-0006
I/O LIST FOR CONTROL SYSTEM	IR-DCS-PEDCO-130-IN-12-0002
I/O LIST FOR ESD SYSTEM	IR-DCS-PEDCO-130-IN-12-0003
INSTRUMENT / P&ID CABLE LIST	IR-DCS-PEDCO-130-IN-12-0009

KEY PLAN

REV.	DESCRIPTION	BY	DATE	REV.	DESCRIPTION	BY	DATE
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DCS STATUS MARSHALING SYSTEM

TO DCS
19 PAIRS-1 (IRP-DCS 3)

TO DCS
19 PAIRS-1 (IRP-DCS 4)

NOTES

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- 3-TNS DOCUMENT WILL BE FINALIZED BY VENDOR.

LEGEND

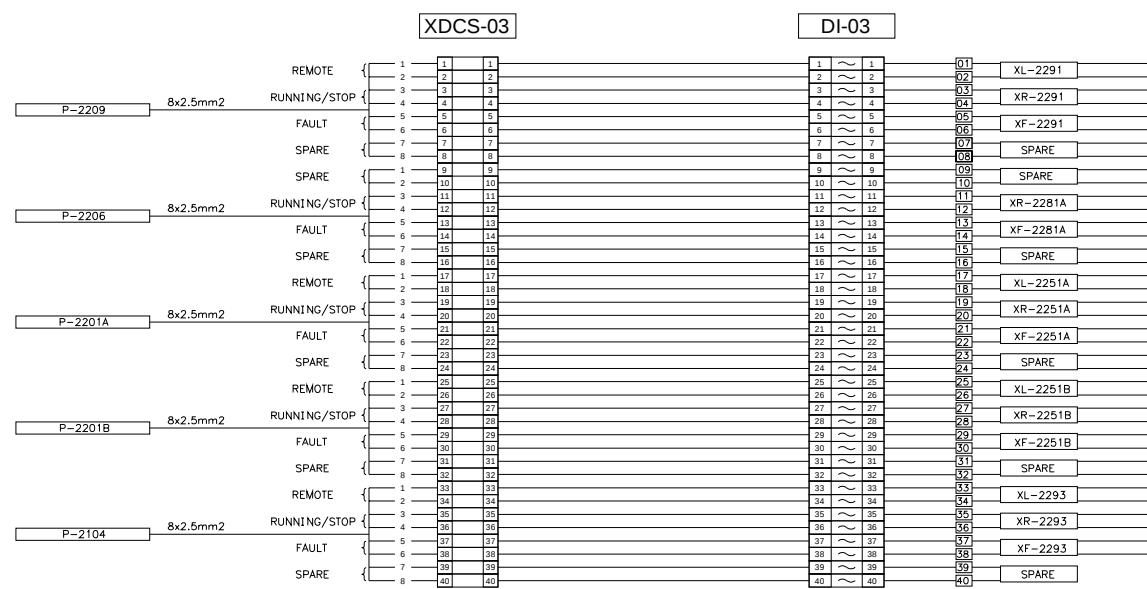
REFERENCE DRAWING	DRG. No.
ELECTRICAL I/O SIGNAL LIST	IR-DCS-PEXCO-130-SL-U-0006
I/O LIST FOR CONTROL SYSTEM	IR-DCS-PEXCO-130-IN-U-0002
I/O LIST FOR ESD SYSTEM	IR-DCS-PEXCO-130-IN-U-0003
INSTRUMENT / P&ID CABLE LIST	IR-DCS-PEXCO-130-IN-U-0009

KEY PLAN

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3- THIS DOCUMENT WILL BE FINALIZED BY VENDOR.	
LEGEND	



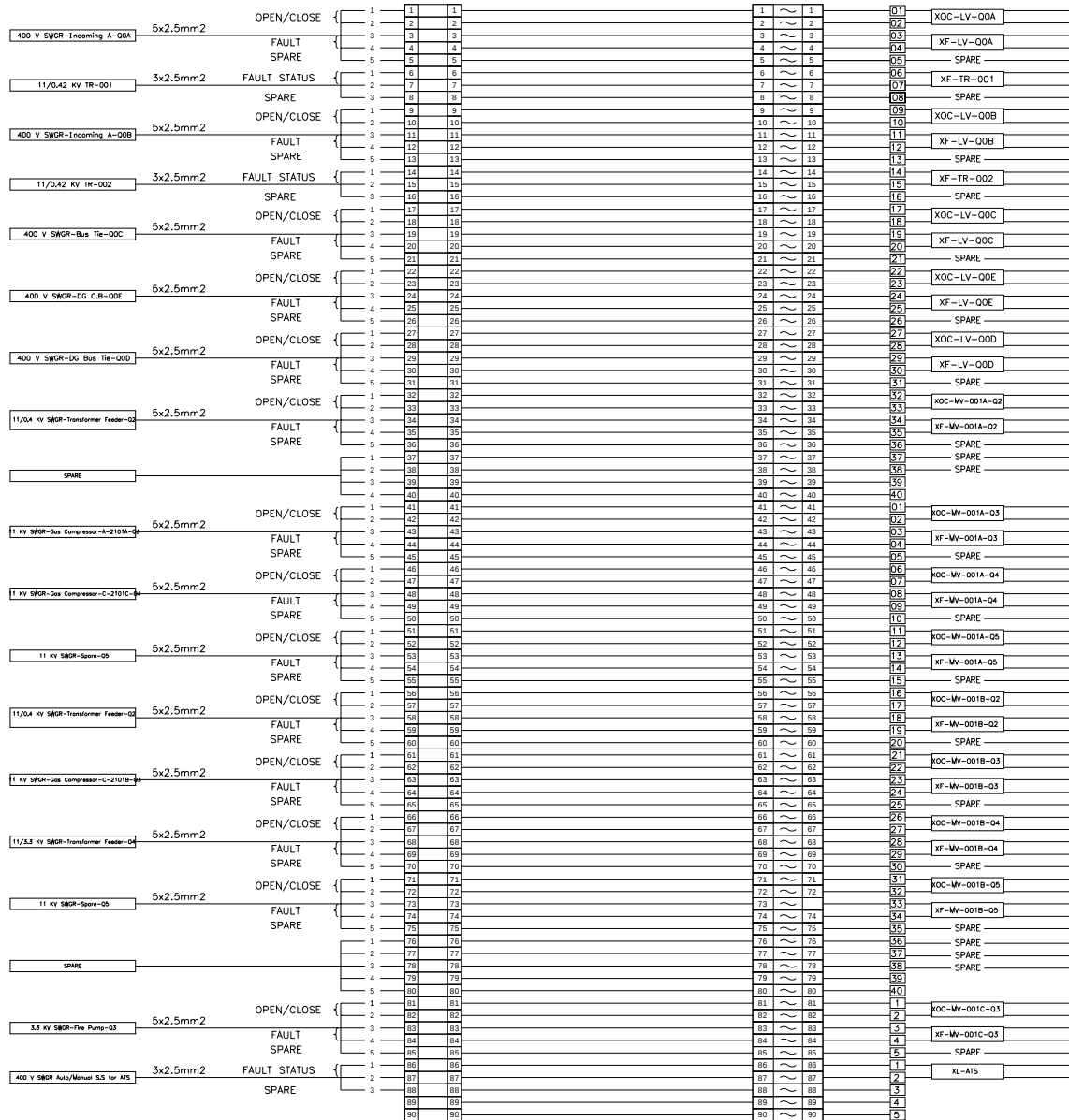
TO DCS
19 PAIRS-1 (IRP-DCS 5)

DCS STATUS MARSHALING SYSTEM

				REV.	DESCRIPTION	BY	DATE	BY	DATE	BY	DATE
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D02				002	06.06.2002	IPC	06.06.2002	002	06.06.2002	002	06.06.2002
REV.				DATE	P.O.I.F.	PREP.	CHK.	APP.	AUT.	REV.	APPR.
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION											
PROJECT NO.: 971020											
EPC CONTRACTOR:				EPD/EPC CONTRACTOR (GO):							
HIRGAN ENERGY DESIGN & INSPECTION COMPANY				PETROIRAN DEVELOPMENT COMPANY							
DRAWING TITLE:				NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED							
(VENDOR TITLE BLOCK)**				APPROVED FOR CONSTRUCTION BY:							
SCALE				DRAWING NO.				DATE:			
N/A				04 OF 00				04 OF 00			
003-078-014				001				001			

XDCS-04

DI-04



D01

TO DCS

19 PAIRS-1 (IRP-DCS 9)

19 PAIRS-1 (IRP-DCS 10)

19 PAIRS-1 (IRP-DCS 11)

TO DCS

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I/O LIST FOR ESD SYSTEM	IR-009-PEXCO-130-IN-11-0003
INSTRUMENT / P&ID CABLE LIST	IR-009-PEXCO-130-IN-11-0009

KEY PLAN

PROJECT NAME: BINAQ OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION		PROJECT NO.: 971020	
EPC CONTRACTOR: HIRAN ENERGY - DESIGN & INSPECTION COMPANY		EPD/EPC CONTRACTOR (GO): PETROIRAN DEVELOPMENT COMPANY	
DRAWING TITLE: WIRING DIAGRAM FOR INTERPOSING RELAY PANEL (IRP)		NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED	
APPROVED FOR CONSTRUCTION BY: DATE:		APPROVED FOR CONSTRUCTION BY: DATE:	
SCALE: AS	DRAWING NO. IR-009-PEXCO-130-EL-DG-0011	SHEET NO. 06 OF 09	REV. D01
BUDGET REF. LOCATION: 003-079-0104	SIZE: P	CLASS: 2	REVISION: 06 OF 09 D01

DCS STATUS MARSHALING SYSTEM

D01

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INSTRUMENT / P&ID CABLE LIST	IRK-GCS-PEDCO-130-IN-U-0009

KEY PLAN

DCS COMMAND MARSHALING SYSTEM

FROM DCS

19 PAIRS-1 (IRP-DCS 6)

FROM DCS

19 PAIRS-1 (IRP-DCS 7)

D01		FEB.2003		IPC		K. SHAHIN		M. FARHANI		M. HOSSEINI		***		REV.		DESCRIPTION		BY		DATE		BY		DATE	
D00		JUN.2002		IPC		K. SHAHIN		M. FARHANI		M. HOSSEINI		***		CHECKED		REV. APPR.									
REV.		DATE		P.O.I.E		PREP.		CHK.		APP.		AUT.													
PROJECT NAME: BINAQ OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION																									
PROJECT NO.: 971020																									
RPC CONTRACTOR:  HIRAN ENERGY - DESIGN & INSPECTION COMPANIES												EPD/EPC CONTRACTOR (GC):  PETROIRAN DEVELOPMENT COMPANY													
DRAWING TITLE: WIRING DIAGRAM FOR INTERPOSING RELAY PANEL (IRP)												NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED													
APPROVED FOR CONSTRUCTION BY:												DATE:													
SCALE		SHEET		DRAWING NO.		SHEET NO.		REV.		BUDGET REF.		LOCATION		SIZE		CLASS		SERIAL NO.		SHEET		REVISION			
N/A		AS		IRK-GCS-PEDCO-130-SL-DG-0011		06 OF 09		D01		003-079-014		P		2		P		706099		06 OF 09		D01			

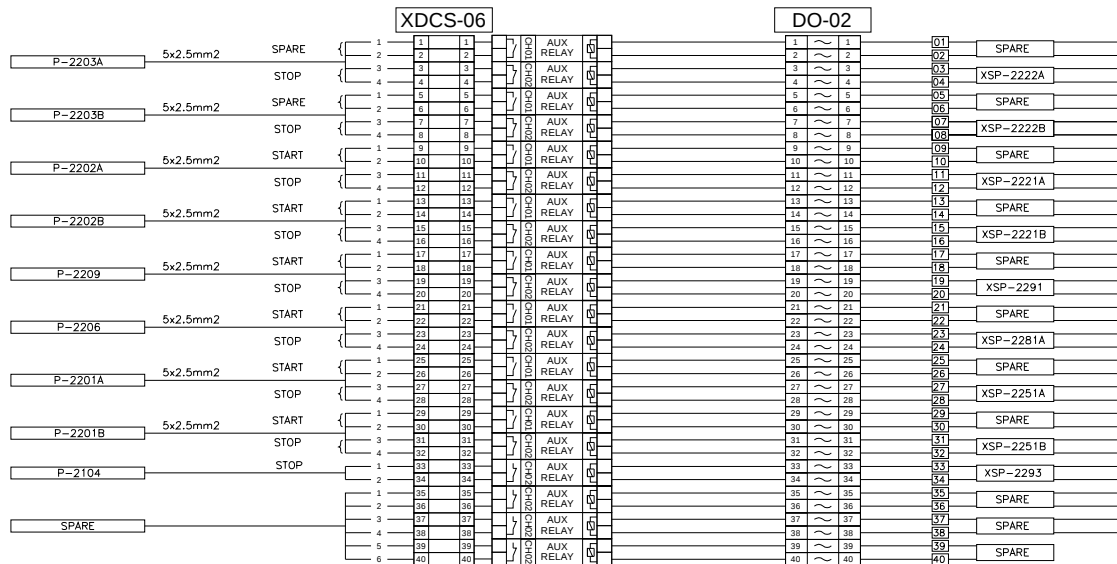
(VENDOR TITLE BLOCK)**



NOTES	
1-NORMALLY CLOSED CONTACT RELAYS SHALL BE CONSIDERED FOR STOP SIGNALS FROM DCS AND ESD SYSTEMS.	
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3-THIS DOCUMENT WILL BE FINALIZED BY VENDOR.	
LEGEND	

REFERENCE'S DRAWING	DRG. No.
ELECTRICAL I/O SIGNAL LIST	BK-GCS-PEDCO-130-EL-U-0006
I/O LIST FOR CONTROL SYSTEM	BK-GCS-PEDCO-130-IN-U-0002
I/O LIST FOR ESD SYSTEM	BK-GCS-PEDCO-130-IN-U-0003
INSTRUMENT / P&ID CABLE LIST	BK-GCS-PEDCO-130-IN-U-0009

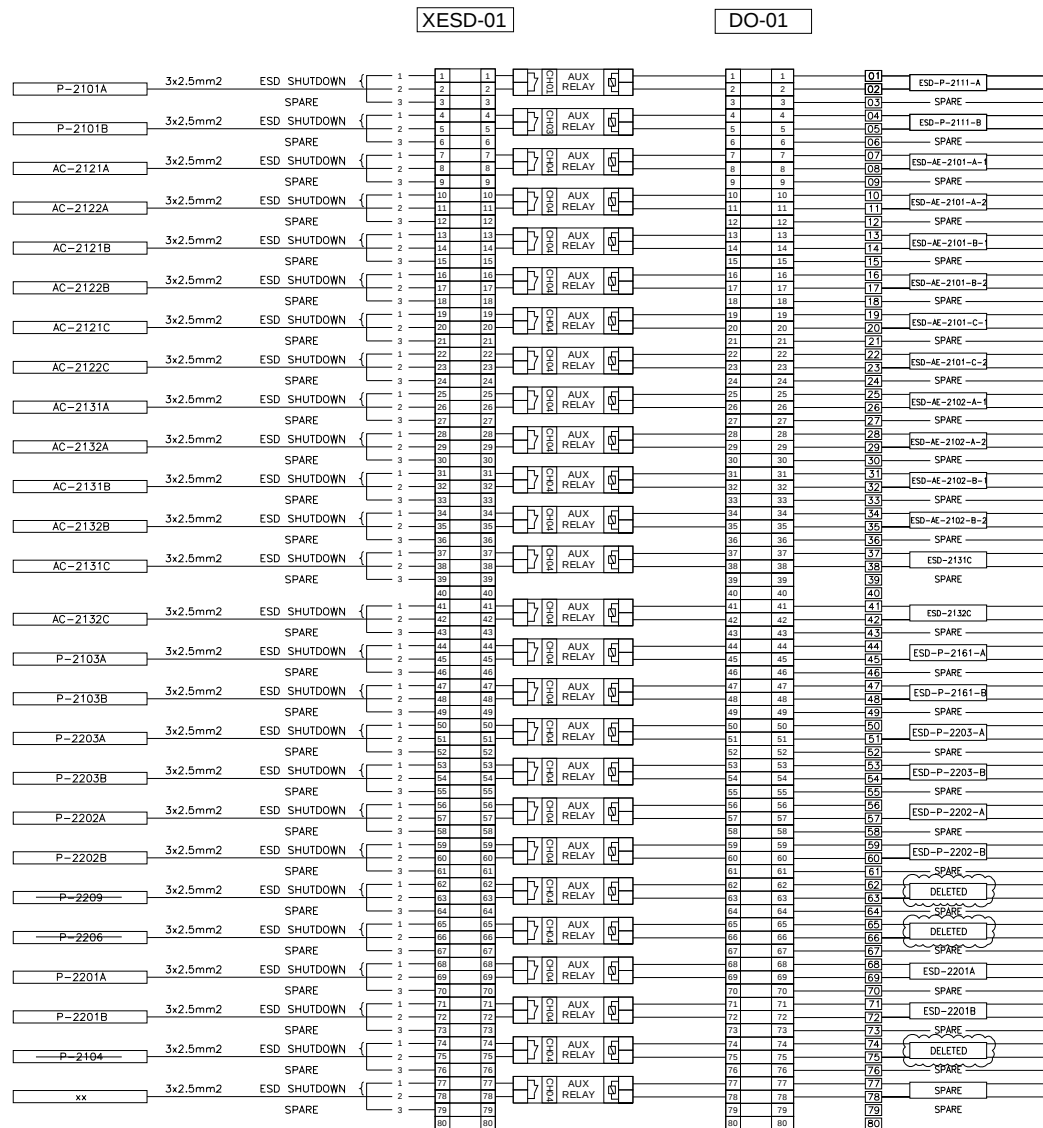
KEY PLAN	



FROM DCS
19 PAIRS-1 (IRP-DCS 8)

DCS COMMAND MARSHALING SYSTEM

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ESD TRIP MARSHALING SYSTEM

D01

FROM ESD

19 PAIRS-1 (IRP-ESD 1)

FROM ESD

19 PAIRS-1 (IRP-ESD 2)

NOTES

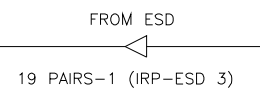
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- 3-TMS DOCUMENT WILL BE FINALIZED BY VENDOR.

LEGEND

REFERENCE DRAWING	DRG. No.
ELECTRICAL I/O SIGNAL LIST	IRK-GCS-PEDCO-130-ES-12-0006
I/O LIST FOR CONTROL SYSTEM	IRK-GCS-PEDCO-130-IN-12-0002
I/O LIST FOR ESD SYSTEM	IRK-GCS-PEDCO-130-IN-12-0003
INSTRUMENT / P&ID CABLE LIST	IRK-GCS-PEDCO-130-IN-12-0009

KEY PLAN

REV.	DATE	BY	DATE	BY	DATE
D01	FEB.2003	IPR			
DDO	JUN.2002	IPC			
REV.	DATE	P.O.I.F.	PREP.	CHK.	APP.
PROJECT NAME: BINAQ OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION					
PROJECT NO.: 971020					
RPC CONTRACTOR:			EPD/RPC CONTRACTOR (GO):		
HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES			PETROIRAN DEVELOPMENT COMPANY		
DRAWING TITLE:			NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED		
WIRING DIAGRAM FOR INTERPOSING RELAY PANEL (IRP)			APPROVED FOR CONSTRUCTION BY:		
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	DATE
N/A	AS	IRK-GCS-PEDCO-130-ES-DG-0011	08 OF 09	D01	003-079-0104



ESD TRIP MARSHALING SYSTEM

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<table border="1"> <thead> <tr> <th>REFERENCE DRAWING</th> <th>DWG. No.</th> </tr> </thead> <tbody> <tr> <td>ELECTRICAL I/O SIGNAL LIST</td> <td>BK-CDS-P2000-100-IN-U-00</td> </tr> <tr> <td>I/O LIST FOR CONTROL SYSTEM</td> <td>BK-CDS-P2000-100-IN-U-00</td> </tr> <tr> <td>I/O LIST FOR BSD SYSTEM</td> <td>BK-CDS-P2000-100-IN-U-00</td> </tr> <tr> <td>INSTRUMENT /P&ID CABLE LIST</td> <td>BK-CDS-P2000-100-IN-U-00</td> </tr> </tbody> </table>	REFERENCE DRAWING	DWG. No.	ELECTRICAL I/O SIGNAL LIST	BK-CDS-P2000-100-IN-U-00	I/O LIST FOR CONTROL SYSTEM	BK-CDS-P2000-100-IN-U-00	I/O LIST FOR BSD SYSTEM	BK-CDS-P2000-100-IN-U-00	INSTRUMENT /P&ID CABLE LIST	BK-CDS-P2000-100-IN-U-00	
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INSTRUMENT /P&ID CABLE LIST	BK-CDS-P2000-100-IN-U-00										

KEY PLAN

[illegible]