




- NOTES**
1. DEHYDRATION PACKAGE WILL BE EQUIPPED ITS OWN UNIT CONTROL SYSTEM WHICH IS IN COMMUNICATION WITH MAIN SCVS VIA DUAL REDUNDANT MOD BUS LINK AND SHALL BE CONNECTED TO ESD SYSTEM VIA HARDWARE.
  2. THE HIGH HIGH CONDENSATE LEVEL AT THE CONTACTOR BOTTOM ACTIVATES THE INTERLOCK CHAIN HL, WHICH CLOSING THE XV-2142 VALVE ON THE WET GAS INLET LINE OUTSIDE OF THE DEHYDRATION PACKAGE BATTERY LIMITS (TO BE CONFIRMED).
  3. MANUAL VENTS SHALL BE LOCATED ON HIGH POINTS.
  4. MANUAL DRAINS SHALL BE LOCATED ON LOW POINTS.
  5. SAFETY VALVES AND RELEVANT INLET/OUTLET PIPING SIZING IS PRELIMINARY.
  6. WE RECOMMEND CONSIDERING "FN07" AS PIPING CLASS OF THIS LINE.
  7. MOISTURE ANALYZER.
  8. ALL SIGNALS AND ALARMS RELATED TO THE UCP AND ESD/BMS SYSTEMS ARE DISPLAYED ON THE HMI SCREEN ON THE UCP AND ESD/BMS CONTROL PANELS.
  9. ALL SIGNALS AND ALARMS ARE SENT TO THE DCS BY MODBUS (SOFTWARE SIGNALS).
  10. THERMOWELL FOR TTTD IN THE LINE LESS THAN 2" WILL BE INSTALLED ON YELBOW.
  11. ALL INSTRUMENT TAGS WILL BE STARTED WITH D-00200X.

LEGEND	
	BALL VALVE (FULL BORE)
	GATE VALVE
	GLOBE VALVE
	CONTROL VALVE
	CHECK VALVE
	SPECTACLE BLIND
	ON/OFF VALVE
	PRESSURE SAFETY VALVE
	Y TYPE STRAINER
	PRESSURE REGULATOR VALVE
	SOLENOID VALVE
	FIELD DEVICE
	ESD/BMS SIGNALS
	PNEUMATIC SIGNALS
	ELECTRICAL SIGNALS
	UCP SIGNALS
	SOFTWARE SIGNALS

REFERENCE DRAWING	DRG. No.
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KEY PLAN

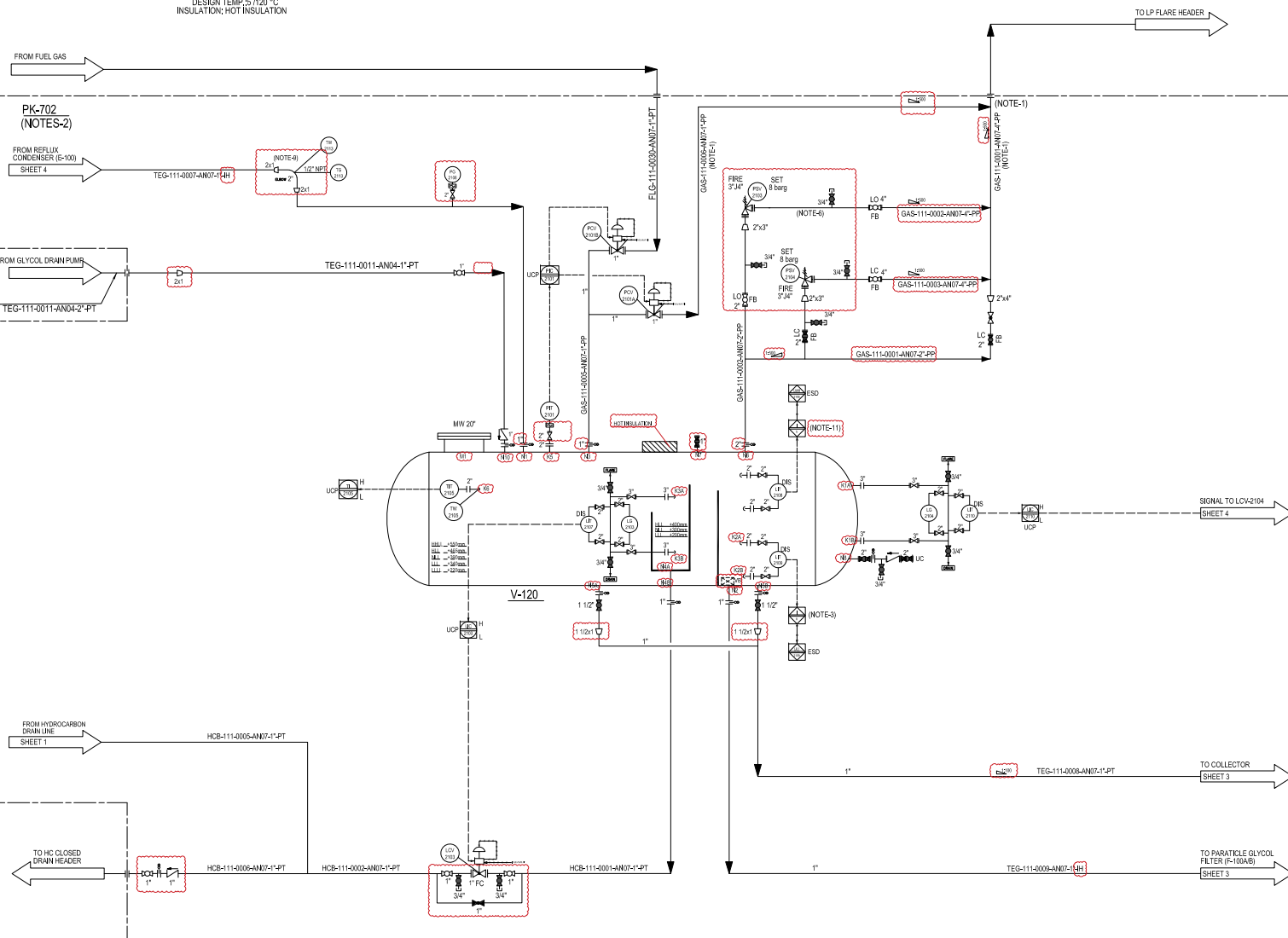
V02	APR.2025	APC	WFS	M.FAKHMAN	F.MAHMUDIN	00.00
Y01	FEB.2025	APC	WFS	M.FAKHMAN	F.MAHMUDIN	00.00
Y00	OCT.2024	ISSUED FOR APPROVAL	WFS	M.FAKHMAN	M.SalehJan	00.00
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
PROJECT NAME: HINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION						
PROJECT NO.: 971030						
EPC CONTRACTOR:			EPD/EPC CONTRACTOR (GC):			
 HIRGAN ENERGY			 PETROIRAN DEVELOPMENT COMPANY			
HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES			PEDCO			
DRAWING TITLE: PIPING & INSTRUMENTATION DIAGRAM FOR GAS DEHYDRATION PACKAGE						
SCALE	SIZE	DRAWING NO.			SHEET NO.	REV.
NTS	A3	BK-GCS-MP-130-PR-PF-0003			1 OF 7	Y02

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BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPRESSOR STATION					
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.	
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BUDGET REF.	LOCATION	SIZE CLASS	SERIAL NO.	SHEET	REVISION



PK-702  
GAS DEHYDRATION PACKAGE

V-120  
GLYCOL FLASH DRUM  
ID x T/T: 1100 x 3400 mm  
DESIGN PRESS: 8 barg / F.V.  
DESIGN TEMP: 120 °C  
INSULATION: HOT INSULATION



- NOTES**
1. FLARE LINE SIZES TO BE REVIEWED/CONFIRMED BY PURCHASER
  2. DEHYDRATION PACKAGE WILL BE EQUIPPED WITH ITS OWN UNIT CONTROL SYSTEM WHICH IS IN COMMUNICATION WITH MAIN SCS VIA DUAL REDUNDANT MOD BUS LINK AND SHALL BE CONNECTED TO ESD SYSTEM VIA HARDWARE.
  3. THE INTERLOCK L8 (FLASH DRUM LOW LOW LEVEL) COMMANDS THE ESDV-2103 TO CLOSE.
  4. MANUAL VENTS SHALL BE LOCATED ON HIGH POINTS.
  5. MANUAL DRAINS SHALL BE LOCATED ON LOW POINTS.
  6. SAFETY VALVES AND RELEVANT INLET/OUTLET PIPING SIZING IS PRELIMINARY.
  7. ALL SIGNALS AND ALARMS RELATED TO THE UCP AND ESD/BMS SYSTEMS ARE DISPLAYED ON THE HMI SCREEN ON THE UCP AND ESD/BMS CONTROL PANELS.
  8. ALL SIGNALS AND ALARMS ARE SENT TO THE DCS BY MODBUS (SOFTWARE SIGNALS).
  9. THERMOWELLS FOR TT110 IN THE LINE LESS THAN 2" WILL BE INSTALLED ON 2" ELBOW.
  10. ALL INSTRUMENT TAGS WILL BE STARTED WITH DCS-2100.
  11. THE INTERLOCK L5 (FLASH DRUM HIGH HIGH LEVEL) COMMANDS THE CLOSURE OF THE VALVE ESDV-2101 ON THE RICH GLYCOL OUTLET LINE FROM THE CONTACTOR

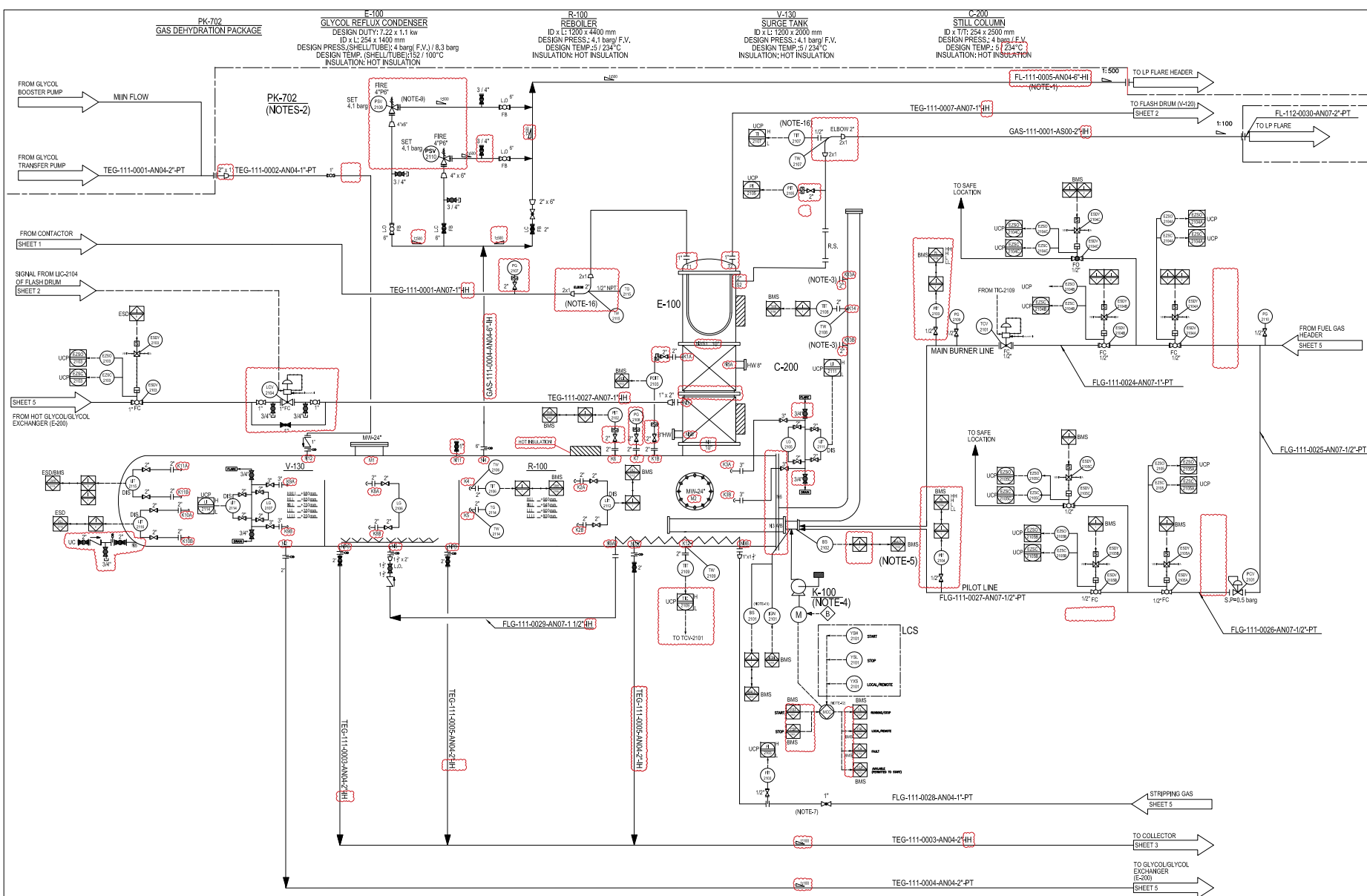
- LEGEND**
- BALL VALVE (FULL BORE)
  - GATE VALVE
  - GLOBE VALVE
  - CONTROL VALVE
  - CHECK VALVE
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  - ON/OFF VALVE
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  - PRESSURE REGULATOR VALVE
  - SOLENOID VALVE
  - FIELD DEVICE
  - ESD/BMS SIGNALS
  - UCP SIGNALS
  - PNEUMATIC SIGNALS
  - ELECTRICAL SIGNALS
  - SOFTWARE SIGNALS

REFERENCE DRAWING	DRG. No.
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KEY PLAN

REV.	DESCRIPTION	BY	DATE	BY	DATE
Y02	APR.2025	APC	MT	M. KAMRAN	*****
Y01	FEB.2025	APC	MT	M. KAMRAN	*****
Y00	OCT.2024	ISSUED FOR APPROVAL	MT	M. KAMRAN	*****
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PROJECT NO.: 971030					
EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES			EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY		
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SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	
NTS	A3	BK-GCS-MF-120-PB-FI-0003	2 OF 7	Y02	





- NOTES**
1. FLARE LINE SIZES TO BE REVIEWED/CONFIRMED BY PURCHASER.
  2. DEHYDRATION PACKAGE WILL BE EQUIPPED WITH ITS OWN UNIT CONTROL SYSTEM WHICH IS IN COMMUNICATION WITH MAIN SCSS VIA DUNE. REDUNDANT MOD BUS LINK AND SHALL BE CONNECTED TO ESD SYSTEM VIA HARDWARE.
  3. CONNECTION FOR FLUE GAS SAMPLING.
  4. AIR BLOWER ON DISCONTINUOUS SERVICE USED ONLY FOR FIRE TUBE PURGE PHASE (EXCLUDED). NECESSITY OF K-100 FAN WILL BE FINALIZED AS PER HAZOP MEETING DECISIONS.
  5. UV FLAME DETECTOR.
  6. DELETED.
  7. DURING THE OUT-OF-SERVICE PERIOD OF ONE COMPRESSOR TRAIN STRIPPING GAS SHALL BE ADJUSTED (BASED ON DOC. NO. BK-GCS-MF-120-SCAL-0001).
  8. MANUAL VENTS SHALL BE LOCATED ON HIGH POINTS.
  9. MANUAL DRAINS SHALL BE LOCATED ON LOW POINTS.
  10. SAFETY VALVES AND RELEVANT INLET/OUTLET PIPING SIZING IS PRELIMINARY.
  11. ALL SIGNALS AND ALARMS RELATED TO THE UCP AND ESD/BMS SYSTEMS ARE DISPLAYED ON THE HM SCREEN ON THE UCP AND ESD/BMS CONTROL PANELS.
  12. ALL SIGNALS AND ALARMS ARE SENT TO THE DCS BY MODBUS (SOFTWARE SIGNALS).
  13. MCC IS OUT OF MFS SCOPE OF WORK AND SUPPLY.
  14. FLAME ROD.
  15. THERMOWELL FOR TT77TG IN THE LINE LESS THAN 2" WILL BE INSTALLED ON 2" ELBOW.
  17. ALL INSTRUMENT TAGS WILL BE STARTED WITH D-06-210X.

**LEGEND**

BALL VALVE (FULL BORE)

GATE VALVE

GLOBE VALVE

CONTROL VALVE

CHECK VALVE

SPECTACLE BLIND

ON/OFF VALVE

PRESSURE SAFETY VALVE

Y TYPE STRAINER

PRESSURE REGULATOR VALVE

SOLENOID VALVE

FIELD DEVICE

ESD/BMS SIGNALS

PNEUMATIC SIGNALS





ELECTRICAL SIGNALS


UCP SIGNALS

SOFTWARE SIGNALS

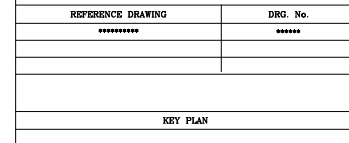
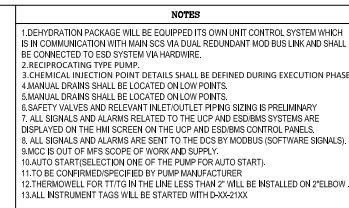
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**LOCAL BURNER PANEL BLP-2101**


V02	APR.2025	APC	WFS	M.FAKHRIAN	SHAMSHIRI	00.00	
Y01	FEB.2025	APC	WFS	M.FAKHRIAN	SHAMSHIRI	00.00	
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						V02	

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		CHECKED		REV. APPR.	
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