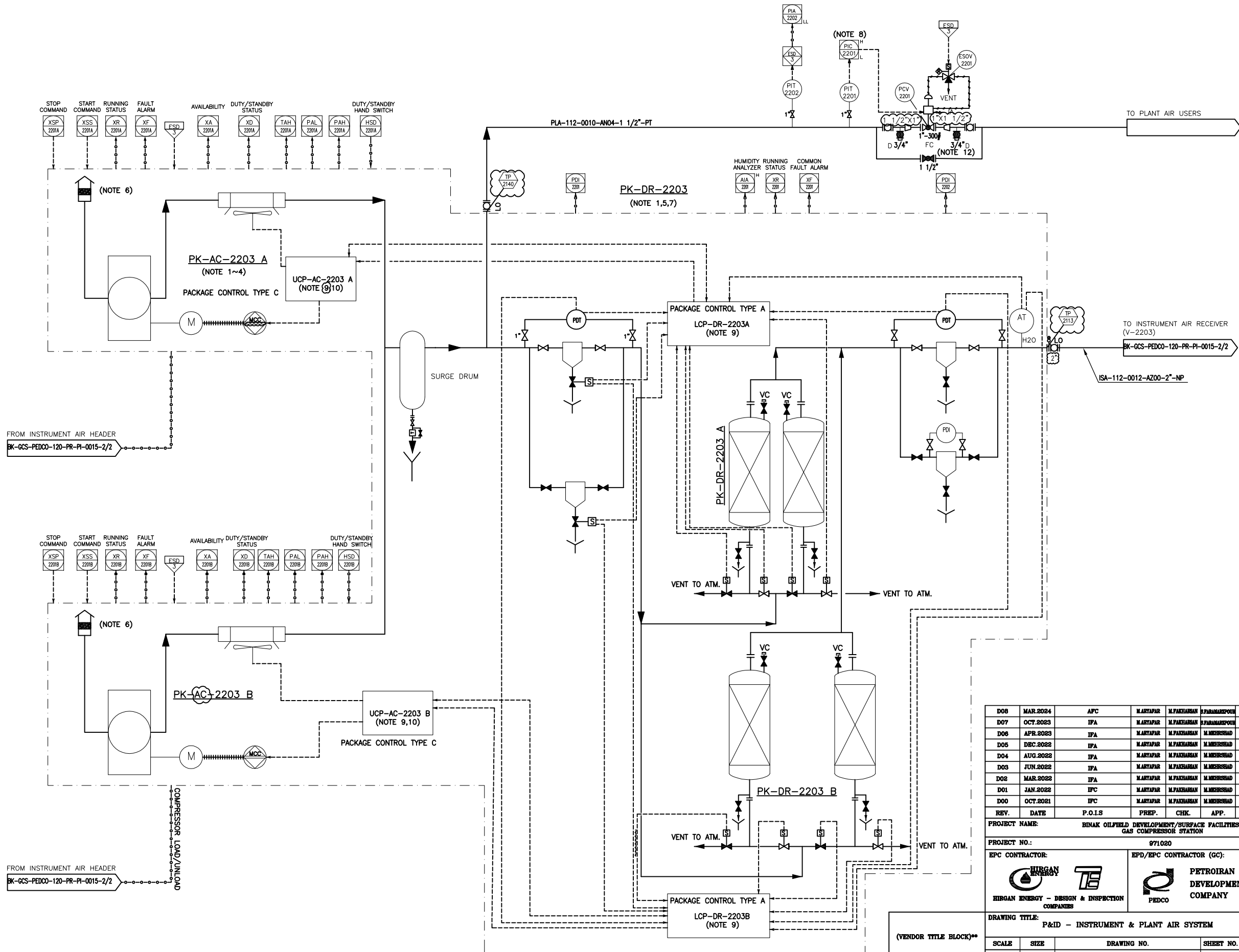


PK-AC-2203 A/B  
AIR COMPRESSOR PACKAGE  
DESIGN CAPACITY (DRY BASIS) : 191 Nm<sup>3</sup>/hr  
DESIGN PRESS. : 12.5 barg

PK-DR-2203 A/B  
AIR DRYER PACKAGE  
DESIGN CAPACITY (DRY BASIS) : 157.3 Nm<sup>3</sup>/hr  
DESIGN PRESS. : 12.5 barg



- NOTES
- 1- ALL EQUIPMENT AND INSTRUMENTATION INSIDE PACKAGE ARE IN THE VENDOR SCOPE OF WORK. LOCAL CONTROL PANEL FOR EACH TRAIN TO BE CONSIDERED AS PER SPECIFICATION.
  - 2- THE STANDBY COMPRESSOR WILL AUTOMATICALLY START BEFORE LOW LOW PRESSURE.
  - 3- MOTOR SHALL BE CONTROLLED AND MONITORED BY PACKAGE CONTROL PANEL.
  - 4- AIR INTAKE FILTER SHOULD BE SPECIFIED BY VENDOR IN THE AIR COMPRESSOR PACKAGE.
  - 5- DETAILS OF AIR DRYER PACKAGE IS ONLY SHOWN INDICATIVELY, SIZE & MATERIAL WILL BE FINALIZED BY VENDOR.
  - 6- AIR INTAKE FILTER SHOULD BE SPECIFIED BY VENDOR IN THE AIR COMPRESSOR PACKAGE.
  - 7- 20% EXCESS DRY AIR IS CONSIDERED FOR DRYER.
  - 8- SET POINT OF PAL-2202 ON THE PLANT AIR LINE IS EQUAL TO THE SET POINT OF PAL-2203 ON THE INSTRUMENT AIR LINE. THEREFORE, IF FALL IS OCCURRED IN THE INSTRUMENT AIR LINE, PCV-2201 ON THE PLANT AIR LINE WILL BE CLOSED.
  - 9- EACH COMPRESSOR HAS DEDICATED CONTROL ROOM MOUNTED UCP FOR EACH TRAIN, DRYER HAS LCP CONNECTED TO MASTER UCP OF AIR COMPRESSOR.
  - 10- COMPRESSOR PACKAGE CONTROL TYPE IS TYPE C. COMPRESSOR AND DRYER DATA WILL BE TRANSMITTED TO DCS/ESD VIA MASTER UCP (UCP OF COMPRESSOR A) BY SOFTWARE AND HARDWARE LINK. SIGNAL LINK SHALL BE FINALIZED AS PER PACKAGE VENDOR DATA.
  - 11- MOTOR STARTER SHALL BE CONSIDERED IN LOCAL CONTROL PANEL ON PACKAGE SKID BY MANUFACTURER.
  - 12- CONTROL VALVE SIZING WILL BE FINALIZED BY VENDOR.

GENERAL NOTE

LEGEND

| REFERENCE DRAWING              | DRG. No.                    |
|--------------------------------|-----------------------------|
| Utility Flow Diagram           | BK-GCS-PEDCO-120-PR-UF-0001 |
| Symbol & Legend For PFD & P&ID | BK-GCS-PEDCO-120-PR-PI-0001 |

KEY PLAN

|      |          |         |          |            |               |       |
|------|----------|---------|----------|------------|---------------|-------|
| D08  | MAR.2024 | APC     | MARYAPAR | M.PAKHSHAN | S.PAHMAREPOUR | 00.00 |
| D07  | OCT.2023 | IPA     | MARYAPAR | M.PAKHSHAN | S.PAHMAREPOUR | 00.00 |
| D06  | APR.2023 | IPA     | MARYAPAR | M.PAKHSHAN | M.MEHRSHAD    | 00.00 |
| D05  | DEC.2022 | IPA     | MARYAPAR | M.PAKHSHAN | M.MEHRSHAD    | 00.00 |
| D04  | AUG.2022 | IPA     | MARYAPAR | M.PAKHSHAN | M.MEHRSHAD    | 00.00 |
| D03  | JUN.2022 | IPA     | MARYAPAR | M.PAKHSHAN | M.MEHRSHAD    | 00.00 |
| D02  | MAR.2022 | IPA     | MARYAPAR | M.PAKHSHAN | M.MEHRSHAD    | 00.00 |
| D01  | JAN.2022 | IPC     | MARYAPAR | M.PAKHSHAN | M.MEHRSHAD    | 00.00 |
| D00  | OCT.2021 | IPC     | MARYAPAR | M.PAKHSHAN | M.MEHRSHAD    | 00.00 |
| REV. | DATE     | P.O.I.S | PREP.    | CHK.       | APP.          | AUT.  |

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

|                                               |                               |
|-----------------------------------------------|-------------------------------|
| EPC CONTRACTOR:                               | EPD/EPC CONTRACTOR (GC):      |
| HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES | PETROIRAN DEVELOPMENT COMPANY |

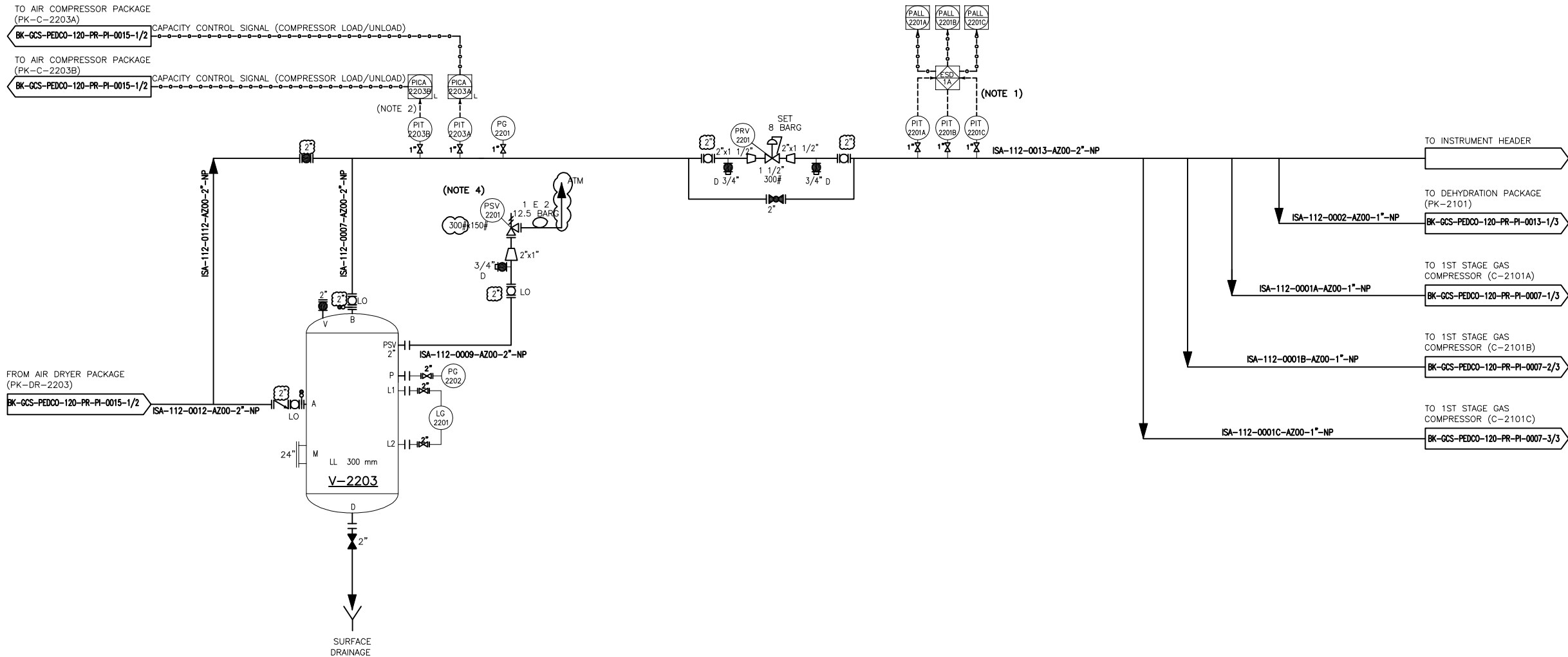
DRAWING TITLE: P&ID - INSTRUMENT & PLANT AIR SYSTEM

| SCALE | SIZE | DRAWING NO.                 | SHEET NO. | REV. | BUDGET REF.  | LOCATION | SIZE | CLASS | SERIAL NO. | SHEET  | REVISION |
|-------|------|-----------------------------|-----------|------|--------------|----------|------|-------|------------|--------|----------|
| NS    | AS   | BK-GCS-PEDCO-120-PR-PI-0015 | 1 OF 2    | D08  | 053-073-0184 | F        | 2    | A     | 706793     | 1 OF 2 | D08      |

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| DATE                                              | SCALE | DRAWING BY | CHECKED BY | PROJECT ENG. |
|---------------------------------------------------|-------|------------|------------|--------------|
|                                                   |       |            |            |              |
| NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED |       |            |            |              |
| APPROVED FOR CONSTRUCTION                         |       | BY:        | DATE:      |              |

V-2203  
INSTRUMENT AIR RECEIVER  
DIMENSION (ID X TL-TL) : 1500 X 5000 mm  
DESIGN TEMP. : 85 °C  
DESIGN PRESS. : 12.5 barg  
TRIM LINE : TRM-V-2203-0507-AZ00-NP



- NOTES
- 1- 2 OF 3 VOTING FOR SYSTEM SHUTDOWN.
  - 2- PRESSURE TRANSMITTER WILL START STANDBY COMPRESSOR ON LOW PRESSURE OF DUTY COMPRESSOR.
  - 3- PARTIAL STROKE DEVICE TO BE CONSIDERED FOR ALL ESDV'S ACTIVATED BY ESD 1,0.
  - 4- 2\*100% PSV'S ONE DUTY AND ONE STANDBY.

GENERAL NOTE

LEGEND

| REFERENCE DRAWING              | DRG. No.                    |
|--------------------------------|-----------------------------|
| Utility Flow Diagram           | BK-GCS-PEDCO-120-PR-UF-0001 |
| Symbol & Legend For PFD & P&ID | BK-GCS-PEDCO-120-PR-PI-0001 |

KEY PLAN

|      |          |         |           |            |            |            |       |
|------|----------|---------|-----------|------------|------------|------------|-------|
| D08  | MAR.2024 | AFC     | M.ARYAPAR | M.PAKHSHAN | M.PAKHSHAN | M.MEHRSHAD | 00.00 |
| D07  | OCT.2023 | IPA     | M.ARYAPAR | M.PAKHSHAN | M.PAKHSHAN | M.MEHRSHAD | 00.00 |
| D06  | APR.2023 | IPA     | M.ARYAPAR | M.PAKHSHAN | M.PAKHSHAN | M.MEHRSHAD | 00.00 |
| D05  | DEC.2022 | IPA     | M.ARYAPAR | M.PAKHSHAN | M.PAKHSHAN | M.MEHRSHAD | 00.00 |
| D04  | AUG.2022 | IPA     | M.ARYAPAR | M.PAKHSHAN | M.PAKHSHAN | M.MEHRSHAD | 00.00 |
| D03  | JUN.2022 | IPA     | M.ARYAPAR | M.PAKHSHAN | M.PAKHSHAN | M.MEHRSHAD | 00.00 |
| D02  | MAR.2022 | IPA     | M.ARYAPAR | M.PAKHSHAN | M.PAKHSHAN | M.MEHRSHAD | 00.00 |
| D01  | JAN.2022 | IPC     | M.ARYAPAR | M.PAKHSHAN | M.PAKHSHAN | M.MEHRSHAD | 00.00 |
| D00  | OCT.2021 | IPC     | M.ARYAPAR | M.PAKHSHAN | M.PAKHSHAN | M.MEHRSHAD | 00.00 |
| REV. | DATE     | P.O.I.S | PREF.     | CHK.       | APP.       | AUT.       |       |

|                                                                                                                                                                             |  |                                                                                       |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|
| PROJECT NAME:                                                                                                                                                               |  | BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES<br>GAS COMPRESSOR STATION               |  |
| PROJECT NO.:                                                                                                                                                                |  | 971020                                                                                |  |
| EPC CONTRACTOR:                                                                                                                                                             |  | EPD/EPC CONTRACTOR (GC):                                                              |  |
|   |  |  |  |
| HIRGAN ENERGY - DESIGN & INSPECTION<br>COMPANIES                                                                                                                            |  | PETROIRAN<br>DEVELOPMENT<br>COMPANY                                                   |  |

|                                                   |          |      |       |            |        |          |
|---------------------------------------------------|----------|------|-------|------------|--------|----------|
| NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED |          |      |       |            |        |          |
| APPROVED FOR CONSTRUCTION                         |          |      | BY:   | DATE:      |        |          |
| BUDGET REF.                                       | LOCATION | SIZE | CLASS | SERIAL NO. | SHEET  | REVISION |
| 053-073-0184                                      | F        | 2    | A     | 708793     | 2 OF 2 | D08      |

(VENDOR TITLE BLOCK)\*\*