

1. P0T-054.1 & .2 ARE CONNECTED TO TWO OF THE FOUR AVAILABLE PORTS (25mm THREADED COUPLING). NATURAL GAS IS CONNECTED TO TWO OF THE FOUR AVAILABLE PORTS. ALL PORTS HAVE A 50mm FULL PORT BALL VALVE FOR ROD-OUT PURPOSES.

2. FOR BURENFEEDER HYDRAULIC PIPING AND CYLINDER NUMBERS SEE M5-111
3. FOR FPD SEAL LEG UPPER SLIDE GATE, HORI SEAL LEG SLIDE GATE, AND PDC FEED LEG SHUTOFF VALVE HYDRAULIC PIPING SEE M5-108 & 109
4. INSTALL BLIND FLANGE
5. FROM BURENFEEDER CENTRALIZED LUBRICATION SYSTEM LB-G30 SEE M5-002.



| Z    | 06/2019 | AS BUILT               | ASB              | SHAHPOOR ZOEEN      | MOHAMMAD ZOEEN |
|------|---------|------------------------|------------------|---------------------|----------------|
| 5    | 01/2017 | ISSUE FOR CONSTRUCTION | IFC              | SHAGHOGH ZOEEN      |                |
| 4    | 10/2015 | ISSUE FOR CONSTRUCTION | IFC              | MMTE                |                |
| 3    | 03/2015 | ISSUE FOR CONSTRUCTION | IFC              | KHALIDPOOR PARIWARI | KOMARS         |
| 2    | 09/2014 | ISSUE FOR CONSTRUCTION | IFC              | KHALIDPOOR PARIWARI | KOMARS         |
| 1    | 06/2014 | ISSUE FOR APPROVAL     | IFA              | KHALIDPOOR PARIWARI | KOMARS         |
| REV. | DATE    | DESCRIPTION            | PURPOSE OF ISSUE | CHECK               | APPROVE        |

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|---|--------------|-----------------|-------------------------------------|-------------|----------------|---------------|-----------------|------------|
| Client's Project  | Project Code | Main Contractor | Area Code                           | Plant Group | Equipment Code | Document Type | Eng. Discipline | Serial No. |
| GSD   | 7-2          | 119             | 1002                                | 7           | AA             | 04            | P               | 003        |
| designation: PIPING & INSTRUMENTATION DIAGRAM<br>REDUCTION FURNACE<br>LOWER SECTION |              |                 |                                     |             |                |               |                 |            |
| SIGNATURE   |              | DATE            | drawing-No.                         |             |                |               |                 |            |
| DESIGNED  | DATE         | 07/2017         |                                     |             |                |               |                 |            |
| PREPARED  | DATE         | 07/2017         |                                     |             |                |               |                 |            |
| CHECKED   | SHAHGHAGHI   |                 | KC-MMP000-M5003                     |             |                |               |                 |            |
| APPROVED  | MOHAMMAD     | 07/2017         | drawing-No. _____<br>rep. by: _____ |             |                |               |                 |            |
|   |              |                 | SCALE: REV.:<br>A3 1/1<br>SHEET:    |             |                |               |                 |            |
|   |              |                 | CONT. & PROL. NO.<br>92/5459        |             |                |               |                 |            |

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