



NOTES:

- 50kPa OVER PRESSURE, DISABLED WHEN GENERATOR IS RUNNING. PRESSURE TRANSMITTER TO COME WITH BLOCK AND BLEED VALVE
- COOLING AIR GAS INLET RETENTION DAMPER ZONE 1 24V dc NORMALLY CLOSED ENERGISED TO OPEN.
- HVAC GAS INLET RETENTION DAMPER ZONE 1 24V dc NORMALLY CLOSED ENERGISED TO OPEN.
- HVAC GAS OUTLET PRESSURE DAMPER.
- HVAC GAS OUTLET RETENTION DAMPER ZONE 1 24V dc NORMALLY CLOSED ENERGISED TO OPEN.
- COOLING AIR GAS OUTLET RETENTION DAMPER ZONE 1 24V dc NORMALLY CLOSED ENERGISED TO OPEN.
- AIR INDUCTION SHUT OFF VALVE 24V dc WITH MANUAL RESET
- BOUNDARY DENOTES EQUIPMENT & INSTRUMENTATION STANDARD SUPPLY BY CATERPILLAR.
- SEE DRAWING N° PID009 FOR THE FIRE & GAS SYSTEM & PAID.
- TWO MOTORS PER DAMPER.
- TWO PAIRS OF LIMITS SWITCHES PER MAIN DAMPERS TAGGED 1A & 1B, WIRED IN SERIES.
- BLACK START KEY SWITCHES HS-73716 (UCP) & HS-73717 (ESS GEN ENCLOSURE) OVER RIDE ALL EXECUTIVE ACTIONS TO START ESSENTIAL GENERATOR WHEN NO ICSS IS AVAILABLE.
- SAFETY NOTE: BEFORE OPERATION OF BLACK START KEY SWITCHES CONFIRM PLATFORM IS SAFE (NO HAZARDS OR GAS PRESENT)

| No. | ALTERATIONS | CHK'D | DATE |
|-----|--|-----------|---------|
| 09 | TAG N°S MODIFIED. NOTE 12 ADDED. | A.VAREY | 28/2012 |
| 08 | TAG N°S MODIFIED. | A.VAREY | 28/2012 |
| 07 | NOTE 11 ADDED. TAG N°S MODIFIED. | NR | 28/2012 |
| 06 | MAC'S DELETED. NOTE 10 ADDED. NOTES 2 & 6 MODIFIED. TAG N°S MODIFIED. DAMPER MOTOR CONTROL ADDED. | NR | 28/2012 |
| 05 | DRAWING MODIFIED. | NR | 28/2012 |
| 04 | DRAWING MODIFIED IN LINE WITH CUSTOMER COMMENTS. NOTE 1 MODIFIED. CONTAINER PRESSURE SENSORE LOW WAS HIGH. | M.STANWAY | 28/2012 |
| 03 | SYMBOLS & TAG N°S MODIFIED TO CLIENTS COMMENTS. SECOND TURBO ADDED. EXHAUST SYSTEM MODIFIED. | A.VAREY | 28/2011 |
| 02 | DRAWING MODIFIED IN LINE WITH CUSTOMER COMMENTS | NR | 28/2011 |

NOTES - MECHANICAL

TOLERANCES:
GENERAL TOLERANCE + / - 5MM
FABRICATION + / - 3MM
HOLE CENTRES + / - 1MM
OTHER TOLERANCES AS STATED WHERE REQUIRED

DO NOT SCALE IF IN DOUBT ASK

THIRD ANGLE PROJECTION

| TITLE: ENCLOSURE VENTILATION / COOLING SYSTEM | |
|---|-------------------------------|
| CLIENT: | NEXEN PETROLEUM UK LIMITED |
| SITE: | GOLDEN EAGLE AREA DEVELOPMENT |
| W.O. No.: | S65911 |
| ENGINEER: | N.RUDGLEY |
| TYPE: | CAT3512 |
| DRAWN BY: | N.RUDGLEY |
| SCALE: | N/A |
| DATE: | 25/08/2011 |
| TOTAL No. OF SHEETS (1 - 999) | 01 |
| DRAWING NO. | GEAD-PID004 |
| ISSUE | 09 |

broadcrown

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| Nexen Petroleum UK Limited Golden Eagle Area Development | | | | |
|--|-----------|----------------|------|------------|
| VENDOR: Broadcrown | | | | |
| EQUIPMENT TITLE: ESSENTIAL SERVICES GENERATOR | | | | |
| EQUIPMENT TAG NO(S): X-7201 | | | | |
| GEAD Document Number | | | | |
| Purchase Order Number | Doc. Type | Rev | DATE | |
| 168397-200-PO-3279 | MC2 | 004 | 09 | 04/09/2011 |
| INCLUDES DOCUMENT CODES: TOTAL SHEETS: 01 | | | | |
| X F Final (accepted) - manufacturing may proceed | | | | |
| A Qualified Release - review and re-submit. Manufacturing may proceed subject to incorporation of comments. | | | | |
| R Rejected - review and re-submit. Manufacturing may not proceed. | | | | |
| I Accepted for information only | | | | |
| Review of Vendor documents does not relieve Vendor of the responsibility for correctness under the Purchase Order. Permission to proceed does not constitute acceptance of design, detail and calculations, test methods or materials developed or selected by the Vendor and does not relieve the Vendor from full compliance with the Purchase Order or any other obligations, nor detract from any of the Purchaser's rights. | | | | |
| Engineer: <i>SEB</i> | | Date: 6-SEP-12 | | |