



ELEVATION
scale 1:20

1x2000mm dia Penstocks
Reinforced Concrete
Construct Roof Slab




Reinforced Concrete
1x900mm & 1x1200mm dia Penstocks
Construct Roof Slab

ELEVATION
scale 1:20



- ## GENERAL NOTES
1. Do not scale this drawing. Work to figure by dimensions only. Any discrepancies to be brought to the Engineers attention prior to implementation of any work.
 2. Minimum concrete cube strength @ 28 days for blinding layer is to be 15MPa minimum concrete cube strength @ 28 days for walls, Floor slabs, roof slabs, columns, foundations and external non-water retaining structure is to be 30MPa.
 3. Concrete cure specifications are to be in accordance with the contract document design specifications.
 4. Minimum cover to reinforcing all concrete members 25mm top & bottom. PWJ - partial wall joint
PFI - partial floor joint
 5. Engineer to inspect all reinforcement prior to casting concrete.
 6. 20x20mm chamfer on all exposed concrete edges unless otherwise noted.
 7. All steel flanges to S.A.B.S. 1123/77 table 100/3 unless otherwise indicated.
 8. Brick work:
 - All exposed external brickwork satin red facelick.
 - All internal brickwork to be clay commons, plastered, and painted acrylic pva white.
 - Outer face of internal brickwork skin to be bagged and bitumen painted.
 - Brickface at windrowell level and wall plate level all around building.
 - N.B : 4 coarse brickface above windows and doors.
 - DPC at floor and windrowell levels.
 9. Plaster:
 - Cement plaster 12mm thick to internal vertical brick walls.
 10. Painting:
 - Prepare and apply two coats bitumen paint on brick skin including window around wire ties.
 - Prepare and apply one coat plaster primer and two coats approved pva acrylic paint to internal walls, floor cement fascia and barge board.
 - Clean with spirits of salds solution and apply two coats silicone-based brick dressing in strict accordance with the manufacturer's instructions to external brickwork.
 - Prepare and apply one coat plaster primer and one coat universal undercoat and one coat approved eggshell enamel paint on floor cement skins.
 - Echo and apply one coat zinc primer, one undercoat and two finishing coats approved universal gloss enamel paint on steel sashes, frames, and burglar bars.
 - Prepare, stop and apply two coats approved varnish on hardwood doors and frames.
 - prepare, knot, prime stop, and apply one coat pink wood primer, one undercoat and two coats approved universal eggshell enamel paint on general surfaces of ewas timber.
 11. All steel pipe specials to be ribbed lined and coated to specifications.
 12. All buried steel pipework & bolted connections to be 'denso' wrapped to specifications.
 13. All puddle pipes to be tape wrapped to specifications.
 14. All bolts & nuts to be hot dip galvanised, unless otherwise indicated.
 15. All construction activities shall be executed to the Engineer's approval.
 16. Setting out & final positioning of all steel pipework, including puddle pipes, to be confirmed by contractor on site, prior to fabrication and installation.

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| | | FOR APPROVAL |
| | | DESCRIPTION |

| <h2 style="text-align: center;">REVISIONS</h2> | |
|---|---------------------------------------|
| Consultant | Veyane Consulting Engineers (Pty) Ltd |
|  | Address: |
| | 03 Glencairn Close |
| | Dunmoores |
| | Westville |
| | 3629 |
| | KwaZulu-Natal, RSA |
| | E-mail : |
| Name: | |
| Pr.Eng. No.: | |
| Signature: | |
| | Consulting Engineer |
| | Date |

| DRG No. | DESCRIPTION | SOURCE |
|---------|-------------|--------|
|---------|-------------|--------|

| REFERENCE DRAWINGS | |
|--------------------|-----|
| SURVEYED BY: | |
| DESIGNED BY: | NSD |
| CHECKED BY: | SZ |
| DRAWN BY: | NSD |
| CHECKED BY: | SM |

| |
|--------------|
| Contract No. |
|--------------|

CLIENT:



PROJECT:

NKANDLA WEIR REFURBISHMENT

DRAWING TITLE:

NKANDLA WEIR - MHLATHUZE
RIVER

DETAILS 2 OF 3

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|------------------------------------|---------------------|---------------------|-------------------|
| SCALES : AS SHOWN | DATE: 11.04.2022 | SHEET 1 OF 1 | |
| DRAWING No. VCE-KCDM-NW-DT-0002 | | DRAWING Size. A0 | REVISION No. 0 |

FOR TENDER