

GENERAL NOTES

- 1 All structural drawings are to be read in conjunction with all ARCHITECT’S DRAWINGS and specifications and with such other written instruction as may be issued during the course of contract.
All discrepancies shall be referred to the Engineer for decision before proceeding with the works.
- 2 All dimensions relevant to setting out and off site work shall be checked by the contractor before construction. The drawings shall not be scaled.
- 3 Workmanship and materials are to be in accordance with the relevant Mauritian Standards or British Standards and local statutory authorities regulations.
- 4 The contractor shall be responsible for maintaining the structure in a stable condition and ensuring that no part shall be overstressed under construction activities.
- 5 All dimensions are in millimetres unless stated otherwise and all levels are expressed in millimetres.
- STRUCTURAL CONCRETE**
- 1 All workmanship and materials shall be in accordance with BS 8110 – The Structural Use of concrete.
- 2 Minimum cover (mm) to all reinforcement unless otherwise shown shall be as follows:–
- | Element | Cover(mm) |
|-----------------------------------|-----------|
| (a) Foundation against earth face | 75 |
| (b) Foundation against blinding | 50 |
| (c) Columns > 200 | 30 |
| (d) Columns ≤ 200 | 25 |
| (e) Beams | 30 |
| (f) Slab on fill | 30 |
| (g) Suspended slabs | 30 |
- 3 Size of concrete elements do not include thickness of applied finishes.
- 4 Beam depths are written first and include slab thickness.
- 5 No holes or embedment of pipes other than those shown on the structural drawings shall be made in concrete members without prior written approval of the Engineer.
- 6 Construction joints shall be properly constructed as specified and made only where shown or specifically approved by the Engineer.
- 7 Reinforcement is represented diagrammatically and not necessarily shown in true projection.
- 8 Welding of reinforcement shall not be permitted without the approval of the Engineer.
- 9 All reinforcement shall be securely supported in its correct position during concreting by approved bar chairs or spacers.
- 10 Reinforcement shall be checked by the Engineer and a written approval of the Engineer should be before concreting.
- 11 All reinforcement to comply with MS 10 Mauritian standard for steel bars for the reinforcement of concrete.
- 12 Reinforcement symbols
- All reinforcement to comply with MS 10 Mauritian standard for steel bars for the reinforcement of concrete.
- T/Y – Hot rolled deformed bar – grade 460 (i.e minimum yield strength 460 N/mm2)
- R – Structural grade mild steel plain round bar – grade 250 N/mm2
- The number following the bar symbol is the nominal bar diameter in millimetres.

13 Concrete grades shall be as follows unless shown otherwise on drawings:–		
Element	Grade of Concrete	Fcu (Mpa)
All structural concrete	30/20	30

14 All beams shall be cast monolithically with slabs.

FOUNDATION

- 1 All materials and workmanship shall be in accordance with BS 8004 Code of Practice for Foundations where not inconsistent with the specification.
- 2 Pad, Combined and Strip footings shall be founded at depth below ground level shown on the drawings or as instructed on site by Engineer.
Engineer’s written approval is required before blinding of any foundation.

CONCRETE BLOCKWORK

- 1 All workmanship and materials shall be in accordance with BS 5628– Code of practice for use of masonry.
- 2 Concrete block shall be manufactured in accordance with BS 6073 –Precast concrete masonry units. They shall be cellular blocks of grade A 3.5 N/mm2.
Size of concrete block shall be 457 x 203 x 100 ,150 or 200 thick unless otherwise specified.
- 3 The mortar for laying blocks shall consist of 1 part Portland cement : 3 to 4 parts of rock sand and an approved plasticiser unless otherwise specified.
- 4 Brick reinforcement to masonry shall be as shown on the drawings.
- 5 Reinforced concrete infill to blockwork where required shall be of grade 25/10, with reinforcement as specified.
- 6 All concrete blocks to be laid first before concreting of columns and beams unless otherwise shown in the structural drawings.

STEEL:

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. ALL STEEL MEMBERS ARE OF GRADE 43 AND SHOULD BE GALVANISED TO 85 MICRONS.
3. ALL BOLTS, NUTS AND WASHERS ARE OF GRADE 4.6 UNLESS OTHERWISE SPECIFIED AND SHOULD BE GALVANISED TO 85 MICRONS.
4. ALL WELD TO BE 6mm CONTINUOUS FILLET UNLESS OTHERWISE SPECIFIED.
5. CONTRACTOR SHALL VERIFY ALL DIMENSIONSONS OF UPPER ROOF STRUCTURES ON SITE PRIOR TO THEIR FABRICATION.
6. ALL ALUMINIUM MEMBERS SHALL BE OF ALLOY 6063 T4 OR EQUIVALENT AND SHALL BE DESIGNED TO RESIST A BASIC WIND SPEED OF 280 Km/h (GROUND ROUGHNESS TAKEN AS 2). THE DESIGN REPORT AND WORKSHOP DRAWINGS OF ALL ALUMINIUM OPENINGS AND CLADDING, DULY SIGNED BY A REGISTERED PROFESSIONAL ENGINEER, SHALL BE SUBMITTED TO THE ENGINEER FOR VETTING AND APPROVAL.
7. FIXING OF ROOF SHEETING SHOULD BE AS PER MANUFACTURER’S LITERATURE.
8. FIXING OF BRIDGINGS TO PURLINS AND LAP CONTINUOUS DETAILS OF THE LATTER SHOULD BE AS PER MANUFACTURER’S DESIGN MANUAL.
9. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON SITE PRIOR TO MANUFACTURING OF THE STEEL STRUCTURES

ADDITIONAL NOTES:

FOR M20 THROUGH BOLTS
Ø OF HOLES TO BE 22MM
WASHER TO BE AT LEAST
Ø60MMX5MM THK.

FOR M16 THROUGH BOLTS
Ø OF HOLES TO BE 18MM
WASHER TO BE AT LEAST
Ø50MMX4MM THK.

IF SIZE OF BOLTS OF SPECIFIED LENGTH ARE NOT AVAILABLE, THREADED ROD OF SAME DIMENSIONS OF SPECIFIED BOLTS ARE TO BE USED AND CLOSED WITH CORRESPONDING NUTS AND WASHERS AS SPECIFIED.

ALL JOINTS AND BOLT HOLES HEAD TO BE FILLED WITH APPROVED PUTTY FILLING TO ARCH APPROVAL

ALL JOINTS TO BE FILLED WITH PUTTY AND CONNECTING MEMBERS TO BE CUT TO SHAPE TO FIT POST AND OTHERS MEMBERS SO THAT ALL METAL CONNECTIONS ARE CONCEALED.

ALL WELDING WORK TO BE DONE OFF SITE SO AS NOT TO AFFECT THE TIMBER EXPOSURE CONDITIONS.

ALL WELDING TO BE 6MM THK. CONTINUOUS FILLET WELD. FOR PLATES END TO END FULL DEPTH BUTT WELD TO BE USED.

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REFURBISHMENT WORKS AT SSR MEMORIAL MUSEUM SSR STREET PORT–LOUIS	
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