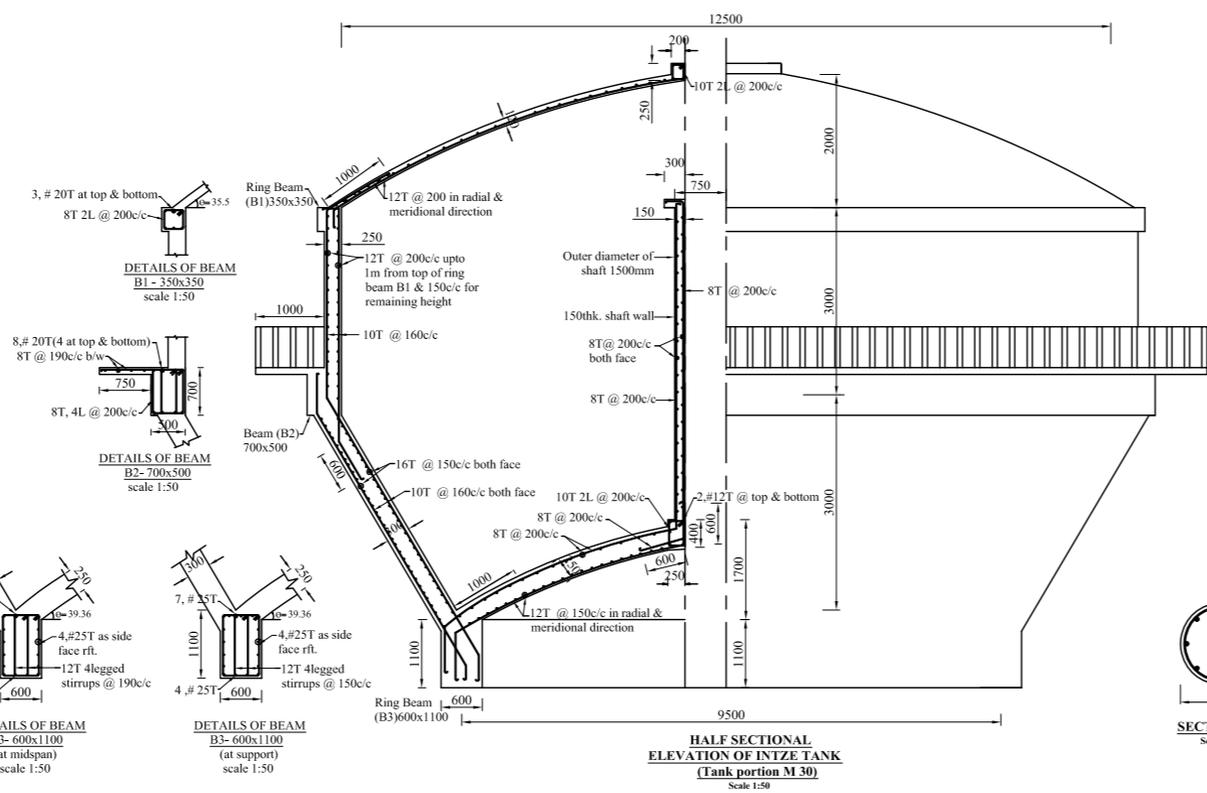
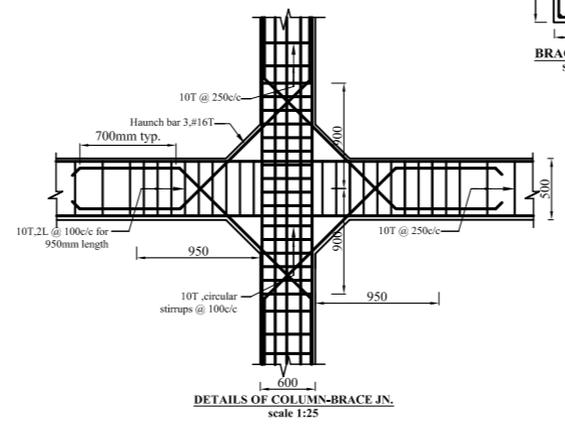
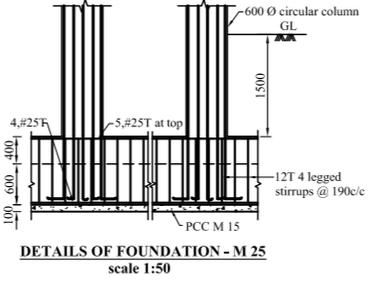
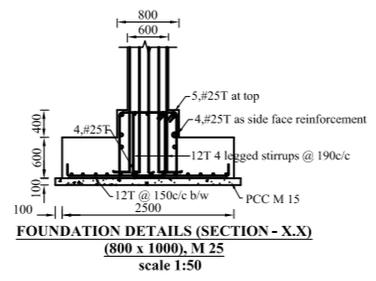
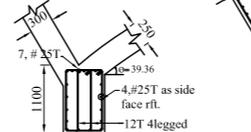
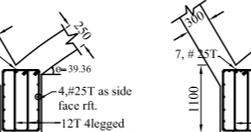
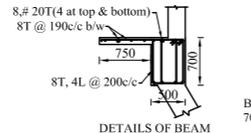
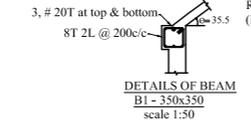


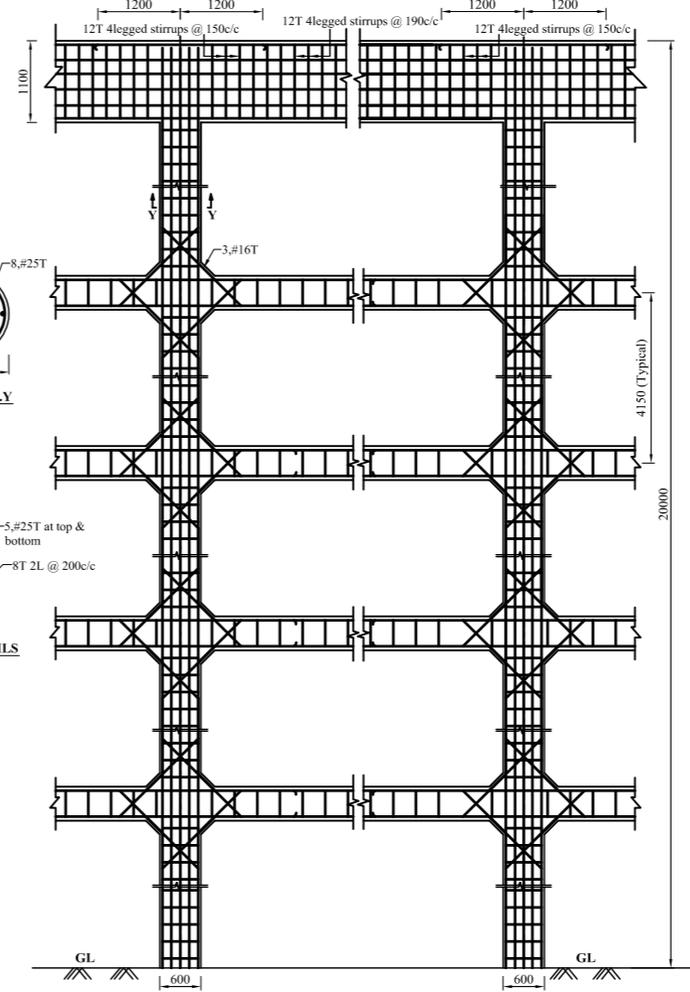
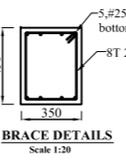
KEY PLAN AT FOUNDATION LEVEL
scale - 1:100



HALF SECTIONAL
ELEVATION OF INTZE TANK
(Tank portion M 30)
Scale 1:50



DETAILS OF COLUMN-BRACE JN.
scale 1:25



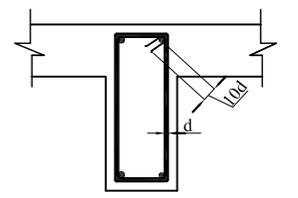
SECTIONAL ELEVATION SHOWING
REINFORCEMENT DETAILS IN RING
GIRDER, COLUMN & BRACE
Scale 1:50

NOTES

- All dimensions are in millimetres unless otherwise specified in the drawing.
- Figured dimensions supersede measured ones.
- Use concrete mix of M30 grade for water retaining portion and for other M25.
- Use steel of $f_y \geq 415N/mm^2$.
- PCC mix M15 10cm thick below the annular raft footing.
- Development length of bars = $50 \times$ Diameter.
- Suitable arrangements for inlet, outlet overflow pipes, air vent etc may be provided.
- Suitable arrangements for ladders, handrails etc shall be provided for access.
- Clear cover to the reinforcement should be provided as follows.

Water face of slab, beam and side wall	-	45mm
Face away from water of side wall, slab	-	30mm
Column	-	40mm
Footing	-	50mm
Roof slab	-	30mm
All other faces	-	30mm

- The spacing of column ties to be reduced to 10 cm for a length of 56ϕ on either side of brace / beam column junction.
- The safe bearing capacity of the soil is assumed to be $180kN/m^2$ at a depth of 1.5m from GL in the absence of soil report and is to be ensured at site before execution.
- The bar bending details of the stirrups are as follows.



- The work shall be executed in accordance with sound Engineering practice and as per specification indicated in relevant codes of practice.

LEGEND
8mm@20 indicates 8mm tor/TMT steel bars at 20cm c/c.

WASCON
THE CONSULTANCY WING
KERALA WATER AUTHORITY
THIRUVANANTHAPURAM

FILE NO : KWA/ WASCON/ 378/ 2012	SCALE AS SHOWN
DRAWING NO : D - 41 / KWA/ WASCON/ 2012 I/1	SHEET NO : DATE : 27 -12-2012

JOB: INTZE TANK OF CAPACITY 5LL FOR H.L.L TOWNSHIP

CAPACITY: 5 LAKHS LITRES

APPROVED BY :
CHIEF CONSULTANT