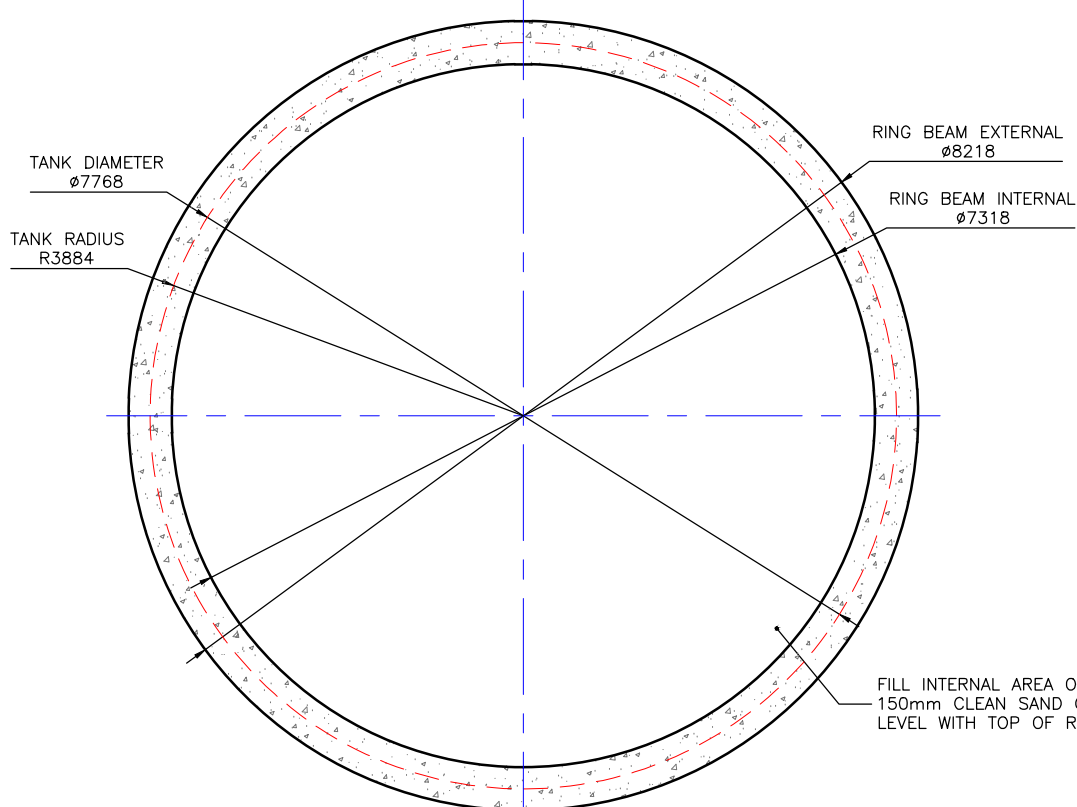
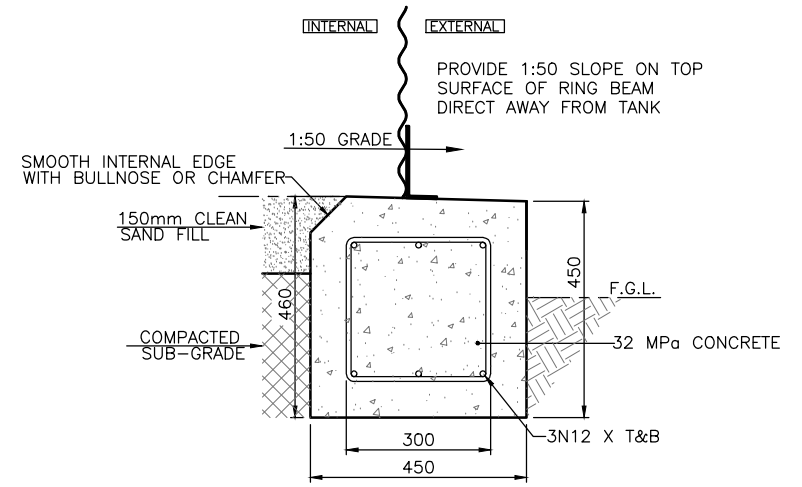


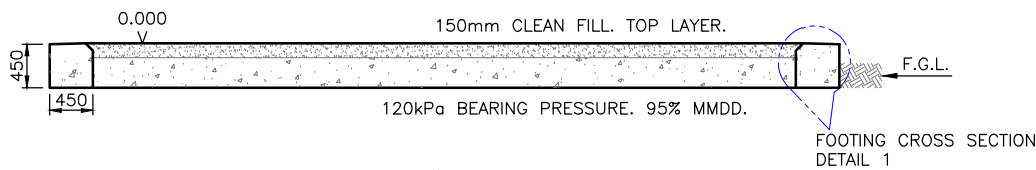
**CONCRETE RING BEAM**  
**TANK MODEL RCT 100-29**  
 Ø7.768m X 2.9mH  
 137 kl TOTAL CAPACITY.  
 REGION A/B



**RING BEAM LAYOUT**



**DETAIL 1 - RING BEAM CROSS SECTION**  
 SCALE 1:25



**RING BEAM PROFILE**

**NOTE :**

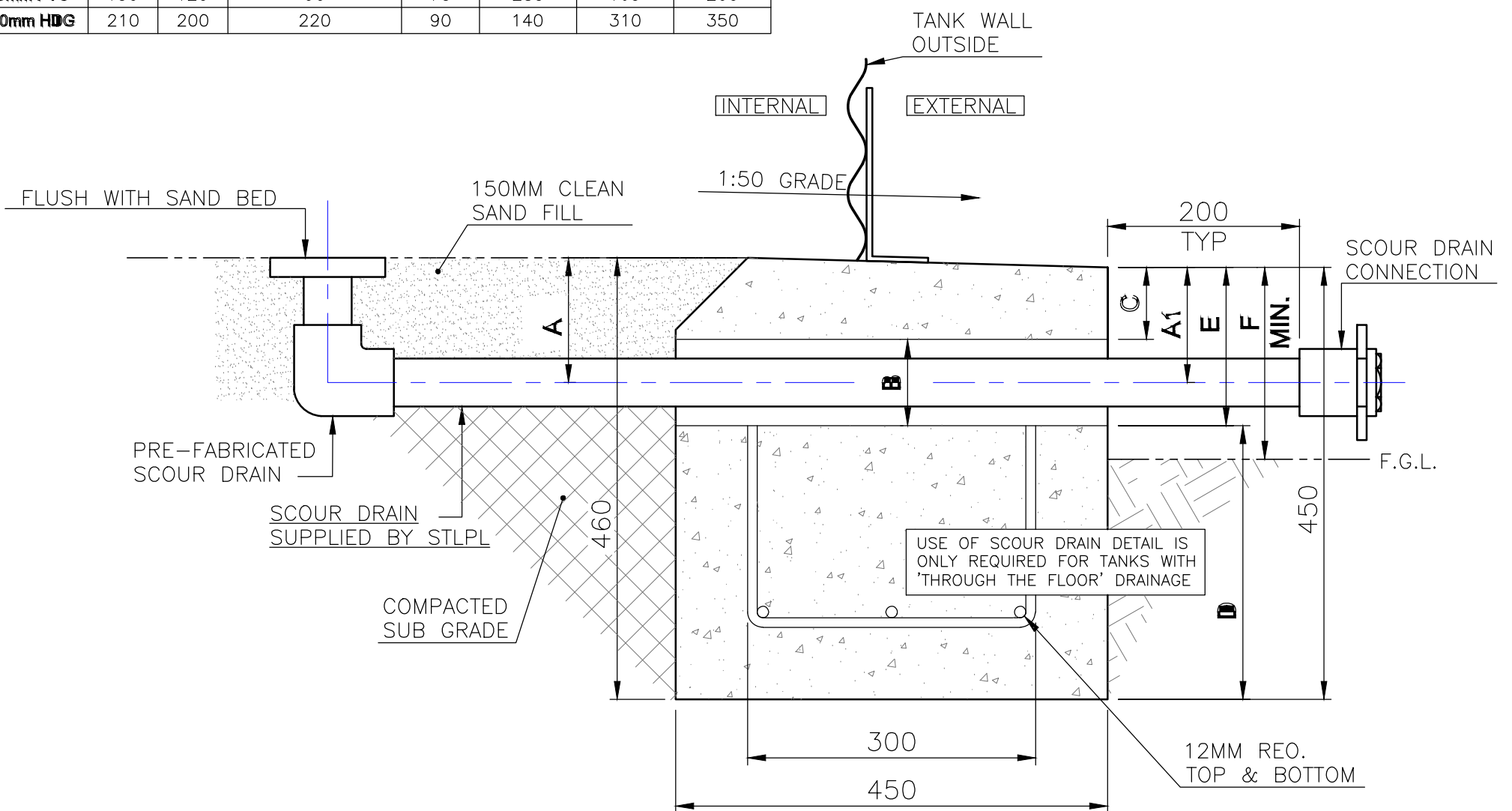
- 1) ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE
- 2) GENERAL ARRANGEMENT DRAWING ONLY.
- 3) FOUNDATION TO BE CONSTRUCTED OF 32MPa CONCRETE.
- 4) COMPACT SUB-GRADE TO 120kPa BEARING PRESSURE. 95% MAXIMUM MODIFIED DRY DENSITY.
- 5) CONCRETE COVER FOR REINFORCING TO BE 75mm UNLESS SPECIFIED OTHERWISE.
- 6) RING BEAM INTERNAL AREA TO BE FILLED WITH 150mm DEEP OF CLEAN SAND LEVEL WITH TOP OF RING BEAM.
- 7) TOP OF FOUNDATION TO PROJECT A MINIMUM OF 200mm ABOVE FINISHED GROUND LEVEL.
- 8) SMOOTH INTERNAL EDGE OF RING BEAM WITH BULLNOSE TROWEL OR CHAMFER.
- 9) TOP OF RING BEAM SURFACE TO HAVE A SMOOTH FINISH.
- 10) SLOPE TOP SURFACE OF RING BEAM TO 1:50 GRADE, DIRECTED OUTWARDS (AWAY FROM TANK CENTER) TO ALLOW FOR RUNOFF.
- 11) PROVISION FOR 'THROUGH FLOOR' SCOUR DRAIN SHOULD BE ADDRESSED PRIOR TO FOUNDATION CONSTRUCTION.
- 12) TANK FOUNDATION DESIGNED TO WIND 'REGION B' AS PER AS/NZS 1170.2:2011.
- 13) THE DESIGN ASSUMED THAT SOILS AND ANY GROUND WATER PRESENT ON THE SITE ARE NON-AGGRESSIVE AND WILL HAVE NO DELETERIOUS EFFECT ON THE CONCRETE FOUNDATION.

**KERALA WATER AUTHORITY**  
 Project Division, Kattappana

**STEEL TANK AT VAZHAVARA**

**SCOUR DRAIN ARRANGEMENT**

SCOUR DRAIN TYPE	SCOUR CAST IN DEPTH		SLEEVE MINIMUM INTERNAL DIAMETER	SLEEVE DEPTH			F.G.L. (MIN.)
	A	A1	B	C	D	E	F
50mm PVC	130	120	90	75	285	165	200
100mm HDG	210	200	220	90	140	310	350



**SCOUR DRAIN PROFILE**

**KERALA WATER AUTHORITY**  
 Project Division, Kattappana

**STEEL TANK AT VAZHAVARA**