

STUDY PURPOSE ONLY

- GENERAL NOTES :-**
- THIS DRAWING SHALL BE READ ALONG WITH ARCH. DRAWING, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS & LEVELS ON SITE & RESOLVE ALL DISCREPANCIES WITH ARCHITECT OR ENGINEER PRIOR TO COMMENCEMENT OF WORK. DRAWING INDICATES GENERAL & TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE OF SIMILAR CHARACTER TO DETAILS SHOWN & ALTHOUGH NOT SPECIFICALLY INDICATED, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED & SUBJECT TO REVIEW BY THE ENGINEER.
 - MATERIAL GRADE M20 & Fe500 SHALL BE USED. (UNLESS SPECIFIED)
 - NOMINAL COVERS FOR MILD CONDITION
 - I) FOOTINGS : 50 MM , III) SLABS : 20 MM , V) LIFT WALL/SHEAR WALL : 40 MM ,
 - II) COLUMNS : 40 MM , IV) BEAMS : 25 MM
 - IN CASE OF SLAB IF MAIN REINF. DIAMETER EXCEEDS 12MM THEN COVER FOR MODERATE AND SEVERE EXPOSURE CONDITION SHOULD BE INCREASED BY 5MM.
 - MAXIMUM ALLOWABLE HEIGHT OF COLUMN WITHOUT ANY BRACER OR TIE
 - 1) 230 WIDE-4000MM. 2) 200 WIDE-3400MM. 3) 300 WIDE-5000MM.
 - LAP LENGTH

	M20	M25	Note:-
COLUMNS	52XD	46XD	At any section of slab/beam not more than 50% bars to be lapped & laps should be staggered.
SLABS & BEAMS	60XD	50XD	
 - NO SPLICES SHALL BE MADE AT POINTS OF MAXIMUM STRESS. E.G., TOP BARS IN BEAMS & SLABS SHOULD BE SPLICED AT MID SPAN AND BOTTOM BARS AT SUPPORTS. SPLICES SHALL BE STAGGERED WHEREVER POSSIBLE.
 - TOP BARS OF CANTILEVER BAR SHALL NOT HAVE ANY LAP.
 - ALL STRUCTURAL CONCRETE SHOULD BE WEIGH BATCHED, MACHINE MIXED & MECHANICALLY VIBRATED
 - FOR CANTILEVERS, TOP BARS TO BE ANCHORED BEHIND FOR-70XDIA. OF BARS OR SPAN OF CANTILEVERS (WHICHEVER IS GREATER)
 - MOVEMENT CRACKS
ALL VISIBLE CRACKS IN NEWLY CAST CONCRETE SHALL BE SEALED BY PRESSURE GROUTING BEFORE APPLICATION OF FINISHES.
- *NOTE: WE ARE ONLY RESPONSIBLE FOR SOUNDNESS OF STRUCTURE REFLECTED THROUGH THE DRAWING ONLY & NOT FOR EXECUTION**
- THESE GENERAL NOTES APPLY TO ALL DRAWINGS. THE APPLY TO ALL RELEVANT PORTIONS OF THE STRUCTURAL STANDARD PROVISIONS SPECIFIED HERE UNDER SHALL WORKS & WORKS & SHALL FORM PART OF THIS CONTRACT.

DESIGN FOR :- (P+3)

*LOADS		*REFERENCE	
BEARING CAPACITY	350 KN/SQMT	IS 456-2000	R.C.C.
LIVE LOAD	2.00 KN/SQMT	IS 13920-1993	Ductility
FLOOR FINISH	1.00 KN/SQMT	IS 800	Steel structures
BRICK DENSITY	18.00 KN/CUB.MT	IS 3370	Liquid retaining structure
LOW WEIGHT BRICK	06.00 KN/CUB.MT	IS 1893-2002	Criteria for earthquake resistance design

STATUS OF RELEASE

FOR APPROVAL

FOR DISCUSSION

FOR TENDER

FOR CONSTRUCTION

STRUCTURAL DRAWING DATED	02.03.2026
ARCHITECT DRAWING DATED	

REVISIONS -

NO.	DEL.T. BY	CHK. BY	APR. BY	DATE
1				
2				
3				
4				

DRAWING TITLE :-

STRUCTURAL DETAILS OF U.G.W. TANK LEVEL

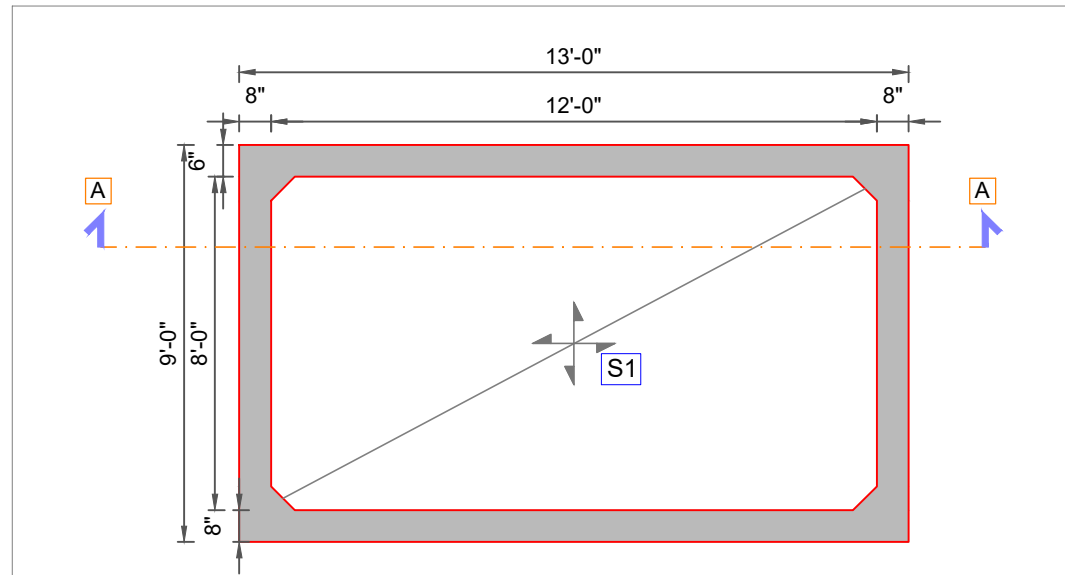
PROJECT :-

PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING AT PUNE.

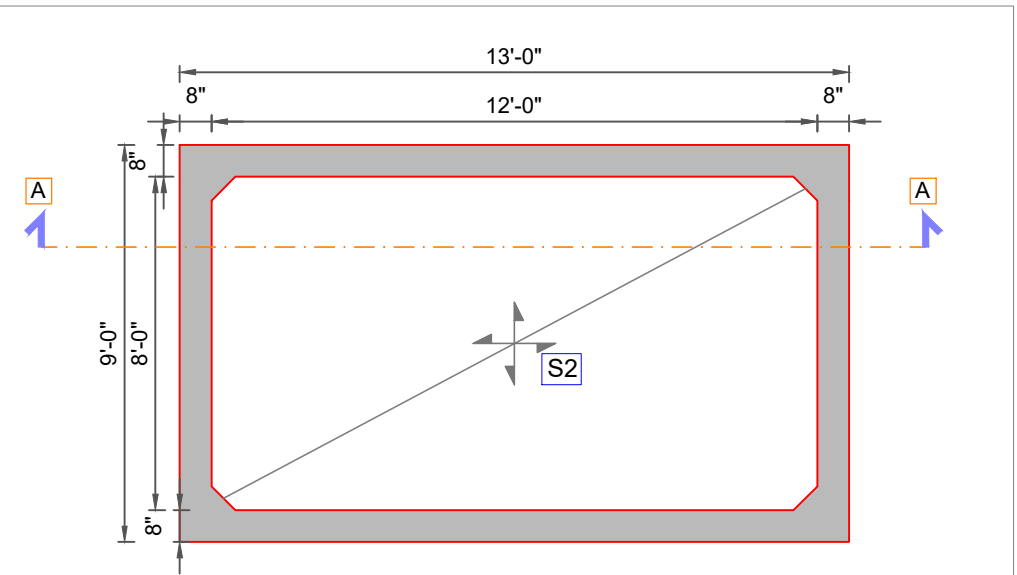
CLIENT :-

ARCHITECT :-

JOB NO - 2025

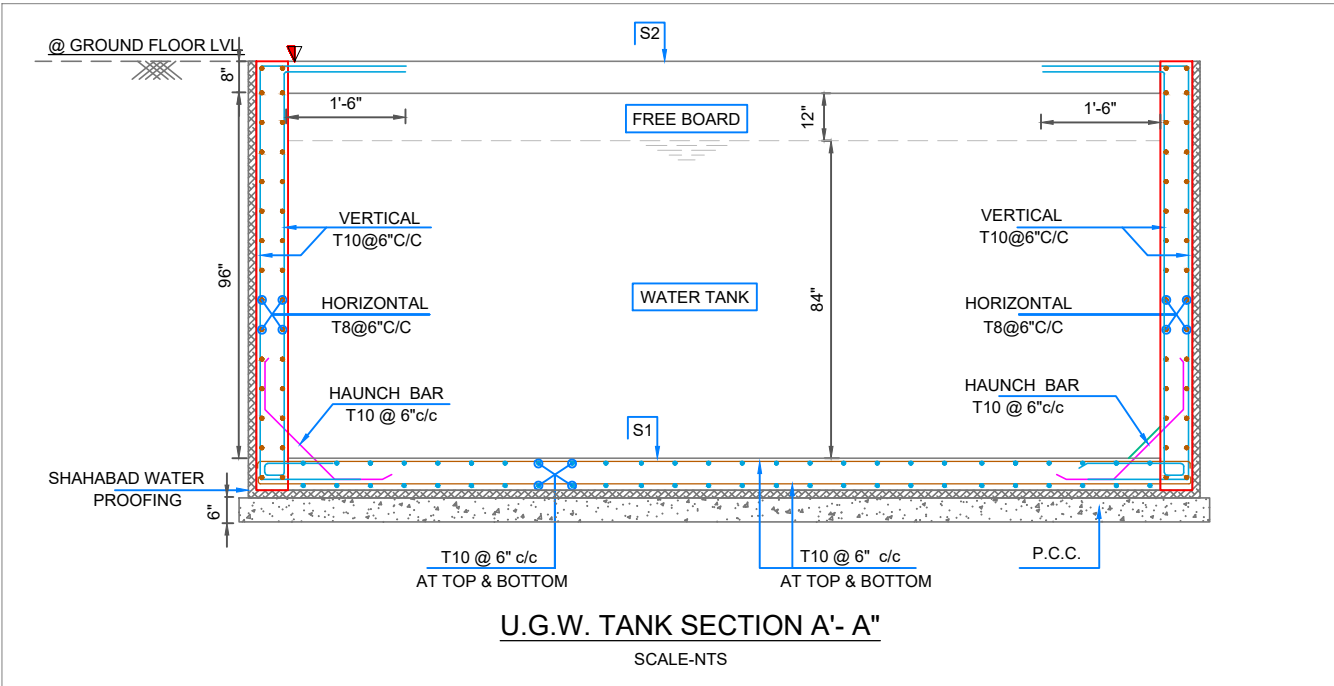


*** STRUCTURAL LAYOUT @ U.G.W. TANK**
BOTTOM SLAB LVL.
SCALE :- NTS

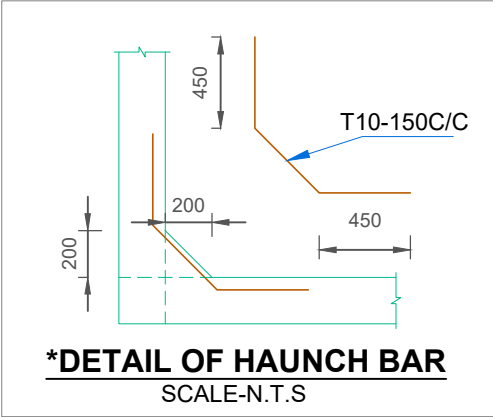


*** STRUCTURAL LAYOUT @ U.G.W. TANK**
TOP SLAB LVL.
SCALE :- NTS

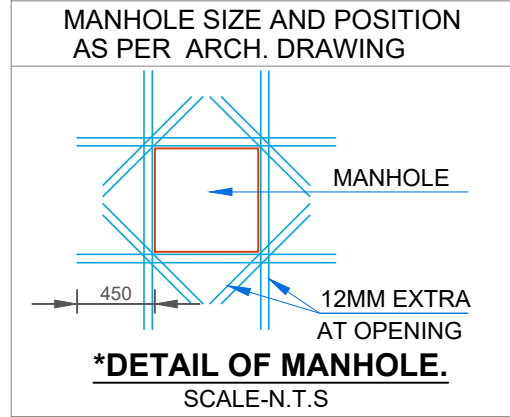
PLEASE REFER ARCHITECTURAL DRAWING FOR COLUMN CENTERLINE & DIMENSIONS



U.G.W. TANK SECTION A'- A''
SCALE-NTS



***DETAIL OF HAUNCH BAR**
SCALE-N.T.S



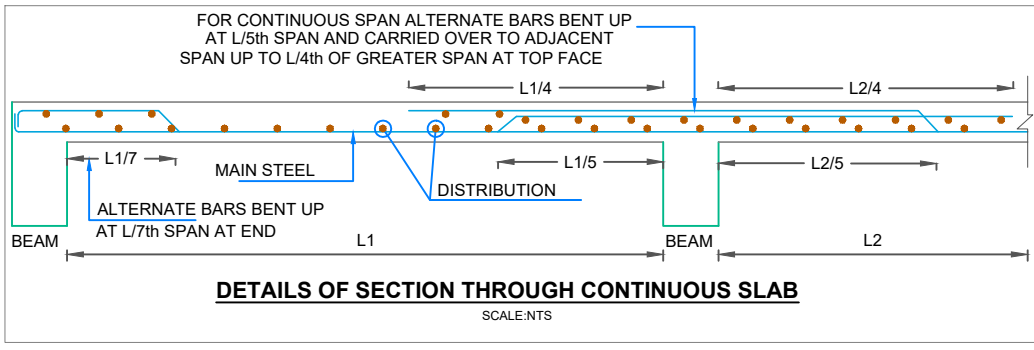
***DETAIL OF MANHOLE.**
SCALE-N.T.S

- : LEGEND : -

- NOTE : INDICATES MAIN STEEL IN SLAB
- NOTE : SHOWS SLAB PORTION
- NOTE : R.C.C. PARDI

SCHEDULE OF SLABS AT U.G.W. TANK SLAB LVL. CONCRETE GRADE M25 & STEEL GRADE Fe550

SLAB MKD.	THK.	REINFORCEMENT						DISTRIBUTION			REMARKS
		SHORT SPAN			LONG SPAN			BAR DIA.	SPACING	REMARK	
		BAR DIA.	SPACING	REMARK	BAR DIA.	SPACING	REMARK				
S1	200	T10	150 C/C	AT TOP & BOTTOM	T10	150 C/C	AT TOP & BOTTOM	-	---	---	(↔) TWO WAY SLAB AT BOTTOM LVL.
S2	200	T10	150 C/C	AT TOP & BOTTOM	T10	150 C/C	AT TOP & BOTTOM	-	---	---	(↔) TWO WAY SLAB AT TOP LVL.



DETAILS OF SECTION THROUGH CONTINUOUS SLAB
SCALE:NTS