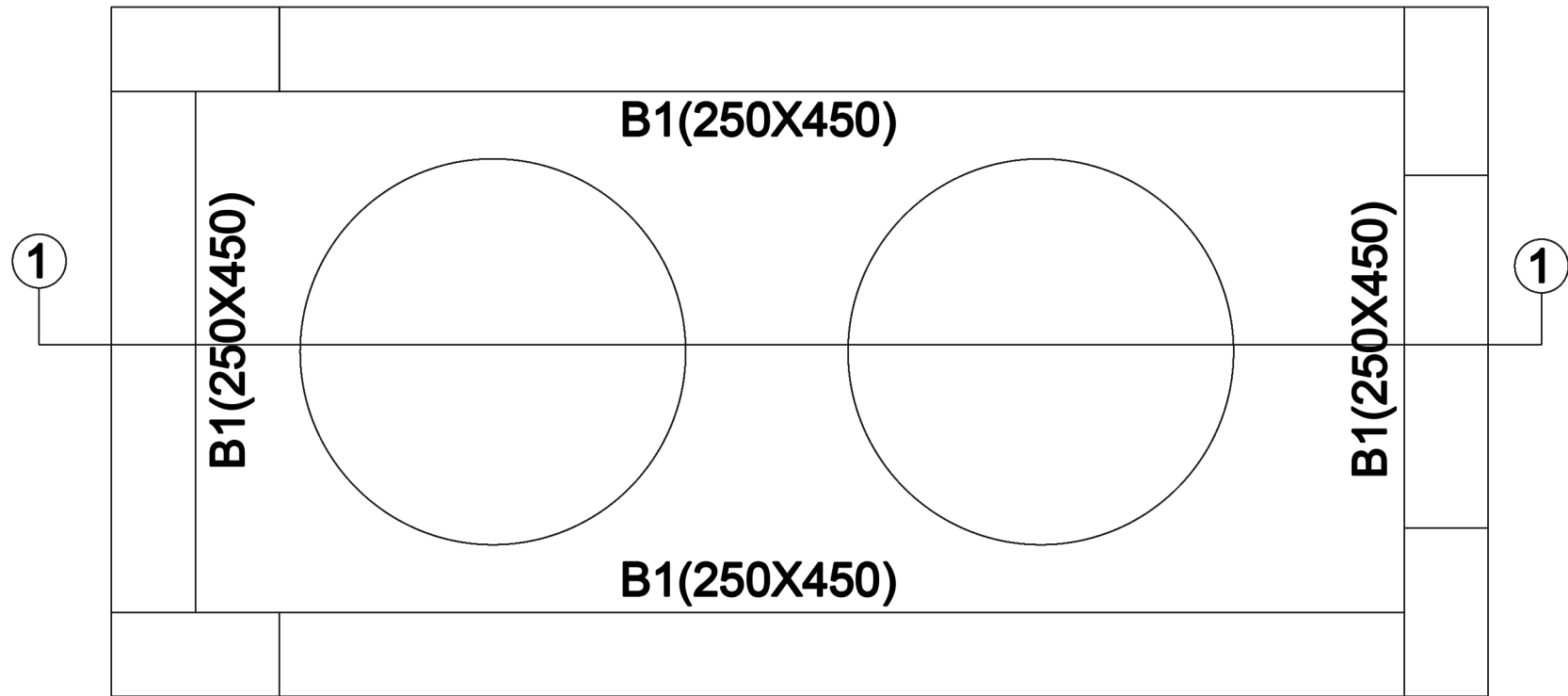

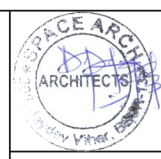


SECTION ON 1-1



PLAN OF WATER TANK

OPTCL TRANSIT HOUSE (GRID STANDARDIZATION)													
GENERAL NOTES													
<p>1. READ THIS DRAWING IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS. ANY DISCREPANCY IF FOUND SHALL BE BROUGHT TO THE NOTICE OF THE CONSULTANT.</p> <p>2. ALL DIMENSIONS ARE IN MM & LEVELS IN MILLIMETERS.</p> <p>3. DO NOT SCALE ANY DIMENSION.</p> <p>4. CONFIRM LOCATION OF WALLS WITH RELEVANT ARCH. DRGS.</p> <p>5. FOR R C C WORK USE MIX M25 CONFORMING TO IS 456 : 2000 OR AS SPECIFIED IN RESPECTIVE DRWG.</p> <p>6. THE REINFORCEMENT SHALL BE COLD TWISTED DEFORMED BARS OR T.M.T BARS HAVING YIELD STRENGTH NOT LESS THAN 500 N/mm² AND CONFORMING TO I.S. 1786 - 1979.</p> <p>7. THE CLEAR COVER TO THE REINFORCEMENT SHALL BE AS FOLLOWS :</p> <table><tr><td>(a) FOUNDATION</td><td>: 80 MM</td></tr><tr><td>(b) COLUMNS</td><td>: 40 MM</td></tr><tr><td>(c) BEAMS (top and bottom)</td><td>: 25 MM side cover 25mm</td></tr><tr><td>(d) SLABS</td><td>: 20 MM</td></tr><tr><td>(e) CHAJJAS/CANOPY</td><td>: 20 MM</td></tr><tr><td>(f) R.C.C WALL</td><td>: 25 MM</td></tr></table> <p>NORMAL COVER IS THE DEPTH OF CONCRETE COVER TO ALL STEEL REINFORCEMENT INCLUDING LAPS/ TIES/ STIRRUPS.</p> <p>8. GRADE OF CONCRETE FOR ALL R C C WORK IS M25</p> <p>9. NOT MORE THAN 50% OF THE BARS SHALL BE LAPPED AT ANY SECTION. LAPS CLOSE TO THE MID SPAN IN BOTTOM BARS & CLOSE TO SUPPORTS IN TOP BARS SHALL BE AVOIDED.</p> <p>10. --- INDICATES TOP BARS --- INDICATES BOTTOM BARS --- OPENING IN STRUCTURAL ELEMENT</p> <p>11. ALL R.C.C. TO BE MACHINE MIXED, VIBRATED AND CURED THOROUGHLY AS PER IS. 456 - LATEST.</p> <p>12. ALL FOOTING ARE CENTRALLY PLACED WITH RESPECTED TO THE CENTRE LINE OF COLUMN.</p> <p>13. REINFORCEMENT SHALL BE PROVIDED IN TWO LAYERS WHEREVER FOUND NECESSARY WITH SPACER BAR TO BE PROVIDED BETWEEN TWO LAYERS OF REINFORCEMENT AS PER IS:456.</p> <p>14. ALL DIMENSIONS MUST BE CHECKED WITH ARCHITECT'S DRGS. & IN CASE OF ANY DISCREPANCY ARCHITECTS DRGS. SHALL PREVAIL.</p> <p>15. ALL CONSTRUCTION JOINTS SHALL BE APPROVED BY CONSULTANT ON THE BASIS OF SCHEME PREPARED BY CONTRACTOR.</p> <p>16. TOP AND BOTTOM EXTRA BARS IN BEAMS TO EXTEND BEYOND THE FACE OF SUPPORT AS SHOWN IN DRG UNLESS OTHERWISE SHOWN.</p> <p>17. THE FIRST STIRRUPS IN BEAMS SHALL BE AT A DISTANCE OF 50MM FROM THE JOINT FACE THE SPECIAL CONFINING BE PROVIDED REINFORCEMENT SHALL THROUGH THE JOINT AT THE GIVEN SPACING IN COLUMNS.</p> <p>18. ALL ANGLES ARE RIGHT ANGLES UNLESS OTHERWISE SPECIFIED.</p> <p>19. PROVIDE DIST STEEL OVER EXTRA TOP BARS IS:3 @200 c/c (F)</p> <p>20. BLACK COTTON SOIL IF ENCOUNTERED IN FOM PITS SHALL BE FULLY REMOVED.</p> <p>21. ALL LOOSE POCKETS OF SOIL BELOW FOUNDATION SHALL BE FILLED WITH P.C.C. 1:3:6</p> <p>22. A SAFE BEARING CAPACITY 100 kN/m² HAS BEEN CONSIDERED FOR FOUNDATION AT THE DEPTH OF 2.0M BELOW N.G.L.</p> <p>23. ALL SUSPENSION OR CONSTRUCTION WORKS SHALL BE DONE BY ENGINEER IN CHARGE.</p> <p>24. ANY DISCREPANCY IN EXECUTION OF WORK AS/SITE OR NOT DONE AS PER STRUCTURAL DRAWING WILL BE TOTALLY RESPONSIBLE OF ENGINEER IN CHARGE.</p>		(a) FOUNDATION	: 80 MM	(b) COLUMNS	: 40 MM	(c) BEAMS (top and bottom)	: 25 MM side cover 25mm	(d) SLABS	: 20 MM	(e) CHAJJAS/CANOPY	: 20 MM	(f) R.C.C WALL	: 25 MM
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CLIENT -													
GOVERNMENT OF ODISHA													
IMPLEMENTING AGENCY -													
OPTCL, ODISHA													
BUILDING TYPE / WORK -													
TRANSIT HOUSE : (G + 2)													
DRAWING TITLE -	DRAWING NUMBER -												
OVER HEAD WATER TANK	ST-09												
SCALE -													
DESIGNED BY -													
DATE -													
Architects -													
 SPACE ARCH ARCHITECTS-ENGINEER-PLANNER 205, JAYADEV VIHAR, BHUBANESWAR													
													
AR. D.K. PARIDA REGD NO. CA94/17280													
14.03.2022 Professor Civil Engineering Department IGIT Sarang, Odisha													