



STRUCTURAL NOTES

PLAN OF COMBINE FOOTING CF1

- Only written dimensions are to be followed.
- Refer relevant architectural drawings before execution of work.
- Clear cover to main reinforcement shall be as under
a)Footing:50mm b)Column:40mm
c)Beam:30mm d)Slab:20mm
- Mix of concrete shall be as follows
a)Footing: M25 b)Column:M25
c)Beam:M25 d)Slab:M25
- Steel in use of Fe 500d where % of elongation should be more than 14%
- The structural design of foundation has been done for 3 stroyed building.
- The bearing capacity of soil is being considered as 150KN/sqm
- Development length of bars in beams shall be 57x dia
- Avoid lapping at column & beam joints
- Minimum stripping time of framework shall be 24 hours for column & 21 days for slab & beams.
- All construction joints must shall be made vertical.
- No structural damage/cutting is permissible without prior approval of designer.

OPTCL TRANSIT HOUSE (GRID STANDARDIZATION)

GENERAL NOTES

- READ THIS DRAWING IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS. ANY DISCREPANCY IF FOUND SHALL BE BROUGHT TO THE NOTICE OF THE CONSULTANT.
 - ALL DIMENSIONS ARE IN MM & LEVELS IN MILLIMETERS.
 - DO NOT SCALE ANY DIMENSION.
 - CONFIRM LOCATION OF WALLS WITH RELEVANT ARCH. DRGS.
 - FOR R.C.C. WORK USE MIX M25 CONFORMING TO IS 456 : 2000 OR AS SPECIFIED IN RESPECTIVE DRWG.
 - THE REINFORCEMENT SHALL BE COLD TWISTED DEFORMED BARS OR T.M.T BARS HAVING YIELD STRENGTH NOT LESS THAN 500 N/mm AND CONFORMING TO I.S. 1786 - 1979.
 - THE CLEAR COVER TO THE REINFORCEMENT SHALL BE AS FOLLOWS :
(a) FOUNDATION : 50 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
surfaces in contact with earth
 - NORMAL COVER IS THE DEPTH OF CONCRETE COVER TO ALL STEEL REINFORCEMENT INCLUDING LINGS/ TIES/ STIRRUPS.
 - GRADE OF CONCRETE FOR ALL R.C.C WORK IS M25
 - 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.
 - INDICATES TOP BARS
INDICATE BOTTOM BARS
OPENING IN STRUCTURAL ELEMENT
 - ALL R.C.C. TO BE MACHINE MIXED, VIBRATED AND CURED THOROUGHLY AS PER I.S. 456 - LATEST.
 - ALL FOOTING ARE CENTRALLY PLACED WITH RESPECTED TO THE CENTRE LINE OF COLUMN.
 - 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.
- SPACER BAR
- ALL DIMENSIONS MUST BE CHECKED WITH ARCHITECT'S DRGS. & IN CASE OF ANY DISCREPANCY ARCHITECTS DRGS. SHALL PREVAIL.
 - ALL CONSTRUCTION JOINTS SHALL BE APPROVED BY CONSULTANT ON THE BASIS OF SCHEME PREPARED BY CONTRACTOR.
 - TOP AND BOTTOM EXTRA BARS IN BEAMS TO EXTEND BEYOND THE FACE OF SUPPORT AS SHOWN IN DRG UNLESS OTHERWISE SHOWN.
 - 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.
 - ALL ANGLES ARE RIGHT ANGLES UNLESS OTHERWISE SPECIFIED.
 - PROVIDE DIST STEEL OVER EXTRA TOP BARS IS:3 @200 c/c (B)
 - IS:3 @200C/C (B)
 - BLACK COTTON SOIL IF ENCOUNTERED IN FOM PITS SHALL BE FULLY REMOVED.
 - ALL LOOSE POCKETS OF SOIL BELOW FOUNDATION SHALL BE FILLED WITH P.C.C. 1:3:6
 - A SAFE BEARING CAPACITY 100 kN/m² HAS BEEN CONSIDERED FOR FOUNDATION AT THE DEPTH OF 2.0M BELOW N.G.L.
 - ALL SUSPENSION OR CONSTRUCTION WORKS SHALL BE DONE BY ENGINEER IN CHARGE.
 - ANY DISCREPANCY IN EXECUTION OF WORK AS/ITE OR NOT DONE AS PER STRUCTURAL DRAWING WILL BE TOTALLY RESPONSIBLE OF ENGINEER IN CHARGE.

CLIENT -

GOVERNMENT OF ODISHA

IMPLEMENTING AGENCY -

OPTCL, ODISHA

BUILDING TYPE / WORK -

TRANSIT HOUSE : (G + 2)

DRAWING TITLE -

DETAIL OF FOOTING

DRAWING NUMBER -

ST-03

SCALE -

DESIGNED BY -

DATE -

Architects -

SPACE ARCH
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