

CENTERLINE DIMENSIONS AND KEY PLAN OF COLUMN LAYOUT

GENERAL NOTES:-

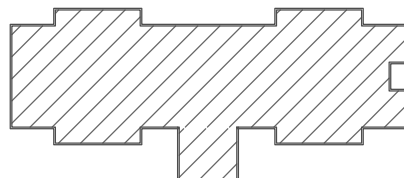
"UNLESS OTHERWISE SPECIFIED"

THIS STRUCTURAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH RELEVANT LATEST ARCHITECTURAL AND OTHER MEP DRAWINGS. ANY DISCREPANCY SHALL BE CLARIFIED BEFORE EXECUTION.

- ALL DIMENSIONS ARE IN MILLIMETERS.
- ALL LEVELS ARE IN METERS.
- COLUMNS AND FOUNDATIONS ARE DESIGNED FOR GROUND + UPPER FLOORS + HEAD ROOM ONLY.
- S.B.C. CONSIDERED IN THE DESIGN AS PER REPORT IS 150 KN/M² AT 2400MM DEPTH.
- FOUNDATION SHALL BE LAID ON FIRM SOIL.
- BOTTOM OF EXCAVATION FOR FOOTINGS SHALL BE AT A LEVEL WHICH IS LOWEST OF THE FOLLOWING:-
 - 2400MM BELOW THE GENERAL GROUND LEVEL.
 - FLOORING MARGIN + FOOTING DEPTH 'D' + WATER PROOFING + 75MM PCC BELOW FLOOR LEVEL.
 - BELOW DEPTHS REQUIRED FROM SERVICES CRITERIAS SUCH AS SUMP TANK BOTTOMS, INVERT LEVELS, ETC.
 - LEVEL DIFFERENCE BETWEEN ANY TWO FOOTING BASE SHALL NOT BE MORE THAN DISTANCE BETWEEN THE TWO ADJACENT EDGES -450mm.
- FOOTING AT HIGHER LEVEL MIN. 'x' 'x'-450 FOOTING AT LOWER LEVEL
- LIFT FOOTING & FOOTINGS AROUND LIFT SHALL BE LOWERED AS PER LIFT MANUFACTURERS REQUIREMENT
- CONCRETE MIX SHALL BE M:25 FOR FOOTINGS, M:25 FOR LIFT WALLS AND COLUMNS
- STEEL GRADE SHALL BE : Fe:550D.

- CLEAR COVER TO MAIN REINFORCEMENT SHALL BE,
 - (A.) FOOTINGS AND FOUNDATION BEAMS 50mm
 - (B.) IN COLUMNS WITH WIDTH UPTO 200mm SHALL BE 25mm
 - (C.) IN COLUMNS WITH WIDTH > 200mm SHALL BE 40mm
 - (D.) RC WALLS 25mm
 - (E.) RETAINING WALL: ON EARTH FACE 50mm
 - ON OTHER FACES 25mm
- LAP LENGTH SHALL BE L_d.
- WHERE d IS THE SMALLER DIAMETER OF THE BAR
- COLUMN LINKS SHALL BE Ø10@25/250 REFER COLUMN SCHEDULE.
- INSIDE & OUTSIDE FILLING SHALL BE CARRIED OUT SIMULTANEOUSLY.
- CONCRETE SHALL BE OF MIX M25 AS DEFINED IN IS-456:2000 WITH 20mm DOWNSIZE AGGREGATES IN ALL STRUCTURAL MEMBERS.
- ADMIXTURES SHALL BE USED ONLY AFTER WRITTEN CONFIRMATION BY CONCERN AUTHORITY OR CONSULTANT.
- ALL CONSTRUCTION JOINTS SHALL BE FORMED AT RIGHT ANGLE TO THE MAIN REINFORCEMENT.
- TOLERANCES IN DIMENSIONS, LEVELS SHALL BE IN ACCORDENCE WITH IS 456.
- SAMPLES FROM FRESH CONCRETE SHALL BE TAKEN AS PER IS 1199 AND CUBES SHALL BE MADE, CURED AND TESTED AS PER IS 516.
- HIGH YIELD STRENGTH DEFORMED BARS SHALL CONFORM TO IS 1786.
- HOT ROLLED DEFORMED BARS CONFORM TO IS 1139.
- ALL STEEL REINFORCEMENT SHALL BE FABRICATED AND FIXED IN ACCORDENCE WITH IS 2502:SP-34.
- ADEQUATE CHAIRS AND PINS RODS SHALL BE USED TO KEEP THE REINFORCEMENT IN ITS POSITION.
- SEQUENCE OF DESHUTTERING SHALL BE APPROVED BY PROJECT MANAGER OR CONSULTANTS AND SHALL BE IN SEQUENCE OF CONCRETING.
- LEVELS SUBJECTED TO ARCHITECTS/CE & APPROVAL.

FOR NOTES AND SPECIFICATION REFER
DRAWING No.
NC/STR/N4/JOB.NO/2022(V)/GTTC- SINDHANOOR/GN&GD/01&01A



KEY PLAN:

VERIFIED BY

DY. MANAGER-PROJECT
GT&TC

MANAGER-PROJECT
GT&TC

CLIENT :

GOVT.TOOL ROOM AND TRAINING CENTRE
RAJAJINAGAR INDUSTRIAL ESTATE,
BANGALORE-560010



PROJECT:

ESTABLISHMENT OF NEW GTTC CENTRE AT SINDHANOOR
IN RAICHUR DISTRICT.

CONSULTANTS:

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TITLE:

BOYS HOSTEL

DRAWING:

CENTERLINE DIMENSIONS AND KEY
PLAN OF COLUMN LAYOUT

DRAWN BY : GSR	DATE : 14/10/2025
DESIGN BY : MEP	SCALE : NTS
CHECKED BY: KVNS	SHEET : A2
DWG NO:	BOYS HOSTEL-01
[NC-N4-2022(V)-GTTC-SINDHANOOR-RAICHUR]	
RELEASED FOR:	<input type="checkbox"/> Preliminary Drawing <input checked="" type="checkbox"/> Tender Only <input type="checkbox"/> Information Only <input type="checkbox"/> For Approval <input type="checkbox"/> For Construction

- NOTE:
- GRADE OF CONCRETE FOR FOOTINGS-M25
 - GRADE OF CONCRETE FOR COLUMN & PEDESTAL-M25
 - GRADE OF STEEL-Fe550D
 - CLEAR COVER FOR COLUMNS-40MM
 - CLEAR COVER FOR FOOTINGS-50MM