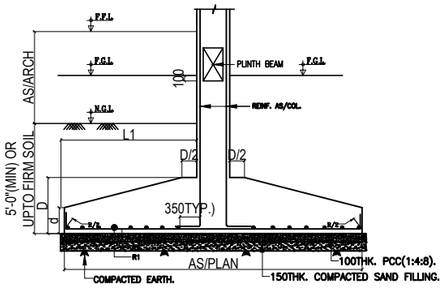
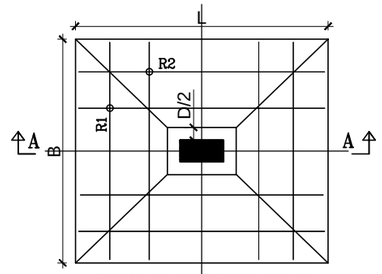
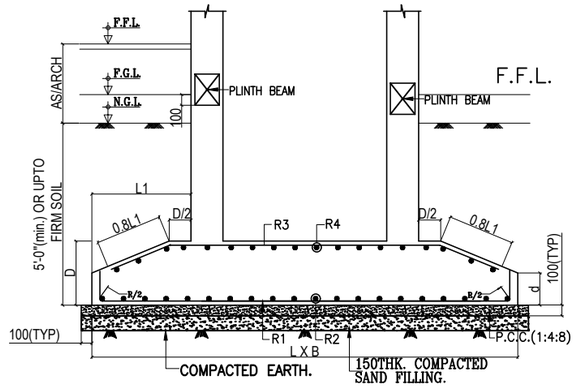


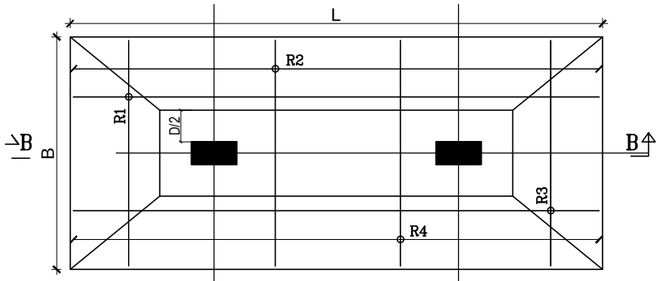
TYPICAL ISOLETED FOOTING DETAIL
SECTION = A-A



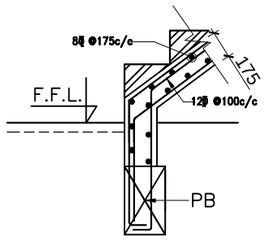
TYPICAL FOOTING PLAN



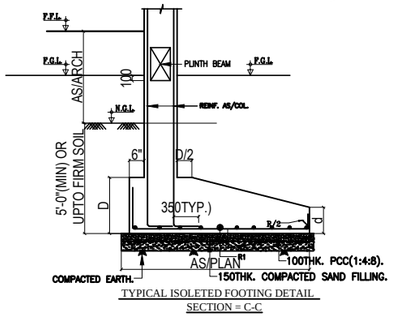
TYPICAL COMBINED FOOTING SECTION
(SECTION B-B)



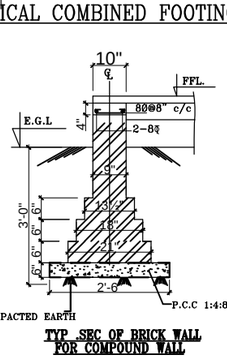
TYPICAL COMBINED FOOTING PLAN



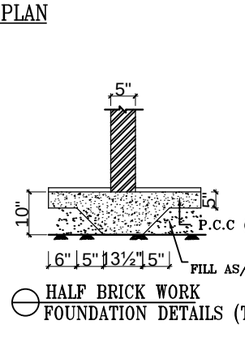
TYP SECTION:-
FOR STAIR DOWEL



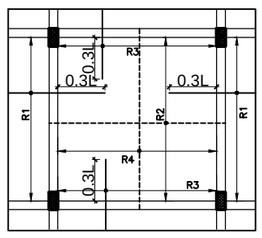
TYPICAL ISOLETED FOOTING DETAIL
SECTION = C-C



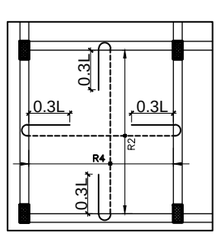
TYP .SEC OF BRICK WALL
FOR COMPOUND WALL



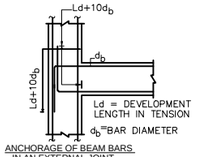
HALF BRICK WORK
FOUNDATION DETAILS (TYP.)



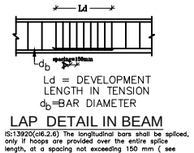
TYP. SLAB REINF. DETAIL(INTERIOR PANEL)



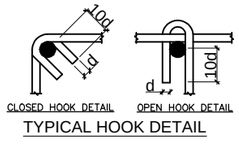
TYP. SUNK SLAB REINF. DETAIL



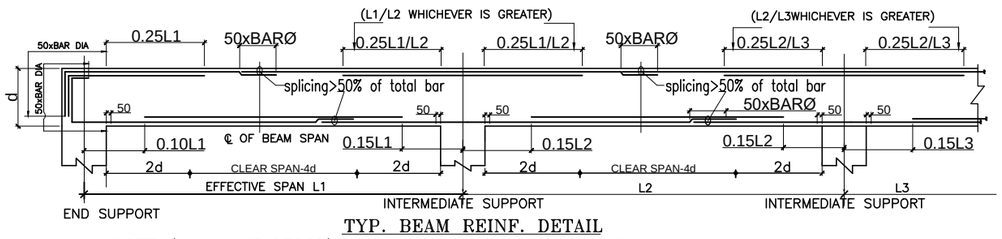
ANCHORAGE OF BEAM BARS
IN AN EXTERNAL JOINT



LAP DETAIL IN BEAM
IS:13920(cl6.2.6) The longitudinal bars shall be spliced, only if hoops are provided over the entire splice length, at a spacing not exceeding 150 mm (see Fig. 2). The lap length shall not be less than the bar development length in tension.

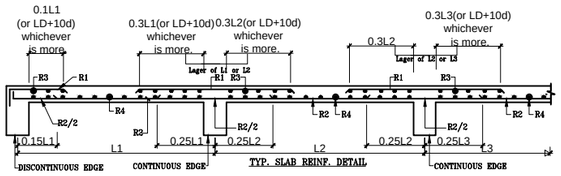


TYPICAL HOOK DETAIL



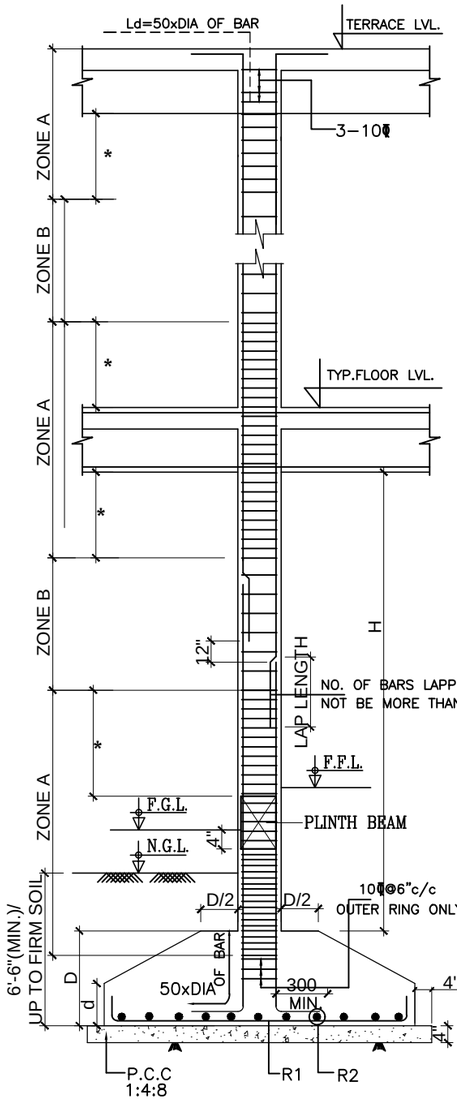
TYP. BEAM REINF. DETAIL

NOTE (as per IS:13920):Lap splices shall not be provided
(a) within a joint, (b) within a distance of 2d from joint face, and
(c) within a quarter lengh of the member where flexural yielding may generally occur under the effect of earthquake forces.
Not more than 50 percent of the bars shall be spliced at one section. 6.2.7



NOTE: 1. 8mm/10mm dia-NO CURTAILMENT OF BOTTOM REINFORCEMENT FOR SPAN LESS THAN 3.50MTR.
OR CURTAILMENT OF REINFORCEMENT WILL BE DONE FROM LD+10D FROM THE POINT OF 2/3RD OF MAX. B.M.
2. SPACING OR REINFORCEMENT (MAIN) IN ANY CASE, SHOULD NOT BE MORE THEN '3d' WHERE 'd' IS EFFECTIVE DEPTH OF SLAB.

TYP. SLAB REINF. DETAIL



TYPICAL COLUMN SECTION

FOR 300 mm WIDE
- ZONE A – 8ϕ@100c/c (OUTER TIES) + 8ϕ@100c/c (INNER TIES)
- ZONE B – 8ϕ@150c/c (OUTER TIES) + 8ϕ@150c/c (INNER TIES)
- IN LAP PORTION STIRRUPS SPACING SHALL BE 150mmc/c (MIN.)

WIDE COLUMN FOR 250 mm
- ZONE A – 8ϕ@80c/c (OUTER TIES) + 8ϕ@80c/c (INNER TIES)
- ZONE B – 8ϕ@150c/c (OUTER TIES) + 8ϕ@150c/c (INNER TIES)
- IN LAP PORTION STIRRUPS SPACING SHALL BE 150mmc/c (MIN.)

GENERAL NOTES –

1. READ THIS DRAWING IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS. ANY DISCREPANCY IF FOUND SHALL BE BROUGHT TO THE NOTICE OF CONSULTANT
2. ALL DIMENSIONS ARE IN MM & LEVELS IN MILLIMETERS.
3. DO NOT SCALE ANY DIMENSION.
4. CONFIRM LOCATION OF WALLS WITH RELEVANT ARCH. DRGS.
5. FOR RCC. WORK USE MIX M20 CONFORMING TO IS 456 : 2000 OR. AS SPECIFIED IN RESPECTIVE DWG.
6. THE REINFORCEMENT SHALL BE COLDTWISTED DEFORMED BARS OR T.M.T. BARS HAVING YIELD. STRENGTH NOT LESS THAN 500 N/mm AND CONFORMING TO I.S. 1786 – 1979.
7. THE CLEAR COVER TO THE REINFORCEMENT SHALL BE AS FOLLOWS:
   - (a) FOUNDATION : 60 MM surfaces in contact with earth
   - (b) COLUMNS : 40 MM
   - (c) BEAMS (top & bottom) 25 MM side cover 25mm
   - (d) SLABS : 20 MM
   - (e) CHAJJAS/CANOPY : 20 MM
   - (f) R.C.C. WALL : 25 MM

   NOMINAL COVER IS THE DEPTH OF CONCRETE COVER TO ALL STEEL REINFORCEMENT INCLUDING LINKS/ TIES/ STIRRUPS.
8. 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.
9. ---------- INDICATES TOP BARS
   INDICATES BOTTOM BARS
   Opening in structural element
10. ALL R.C.C. TO BE MACHINE MIXED, VIBRATED AND CURED THOROUGHLY AS PER I.S 456–LATEST.
11. ALL FOOTING ARE CENTRALLY PLACED WITH RESPECTED TO THE CENTER LINE OF COLUMN
12. REINFORCEMENT SHALL BE PROVIDED IN TWO LAYERS WHEREVER FOUN NECESSARY WITH SPACER BAR TO BE PROVIDED BETWEEN TWO LAYERS OF REINFORCEMENTS AS PER IS:456.
    SPACER BAR 4ϕ
13. ALL DIMENSIONS MUST BE CHECKED WITH ARCHITECT'S DRGS.& IN CASE OF ANY DISCREPANCY ARCHITECTS DRGS. SHALL PREVAIL.
14. ALL CONSTRUCTION JOINTS SHALL BE APPROVED BY CONSULTANT ON THE BASIS OF SCHEME PREPARED BY CONTRACTOR.
15. TOP AND BOTTOM EXTRA BARS IN BEAMS TO EXTEND BEYOND THE FACE OF SUPPORT AS SHOWN IN DRG UNLESS OTHERWISE SHOWN.
16. 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.
17. All ANGLES ARE RIGHT ANGLES UNLESS OTHERWISE SPECIFIED.
18. PROVIDE DIST STEEL OVER EXTRA TOP BARS IS: 8ϕ@200c/c(8")
    8ϕ @200 c/c (8")
19. BLACK COTTON SOIL IF ENCOUNTERED IN FDN PITS, SHALL BE FULLY REMOVED.
20. ALL LOOSE POCKETS OF SOIL BELOW FOUNDATION SHALL BE FILLED WITH P.C.C.1:4:8
21. THIS BUILDING HAS BEEN DESIGNED FOR=GR.+2 STOREY.

* H/6
OR LARGEST DIM. OF COLUMN OR 18"
WHICHEVER IS MAXIMUM.

rev.no.	date	revision

Client
MR. KUNAL KISHOR TIWARI

PROJECT TITLE
PROPOSED RESIDENCE

DRAWING TITLE :
GENERAL DETAIL

DWG NO.

SCALE	N.T.S
DATE	
DEALT	NNP
JOB NO.	

Architects:

structural consultant:

DRAWING RELEASED FOR:
- ☐ APPROVAL
- ☐ SUBMISSION
- ☐ ADVANCE COPY
- ☐ CONSTRUCTION

ARCHITECT'S SIGN | OWNER'S SIGN