

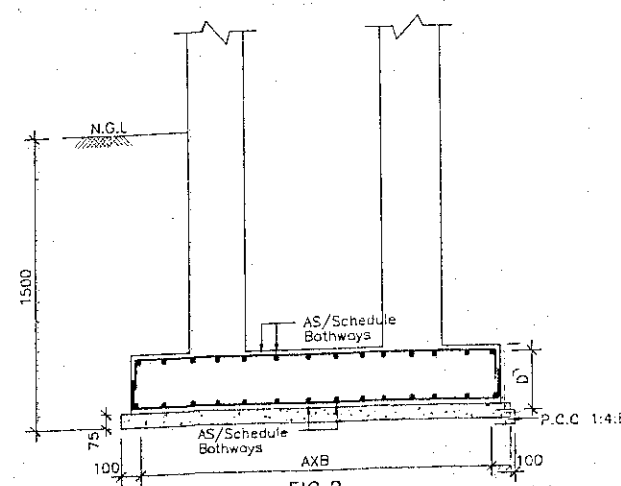
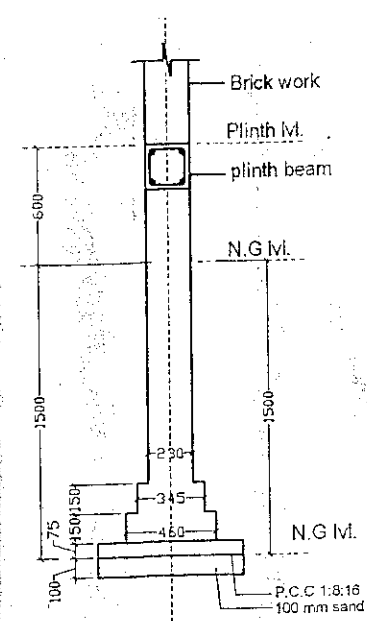


FIG. 2



TYPICAL SECTION OF 230TH BRICK WALL

PLINTH BEAM

PB(230X230)	PB1(230X300)

COLUMN SCHEDULE

COL. MKD	C1(230x400)	C2(230x300)	C3(230x300)
FIRST FLOOR ROOF TO TERRACE			
FOUNDATION TO FIRST FLOOR ROOF			

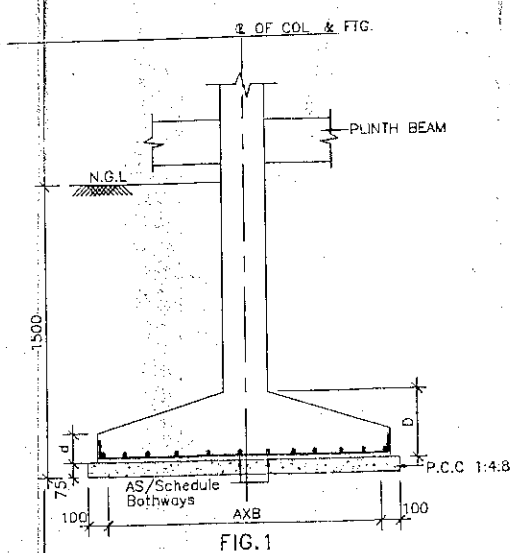
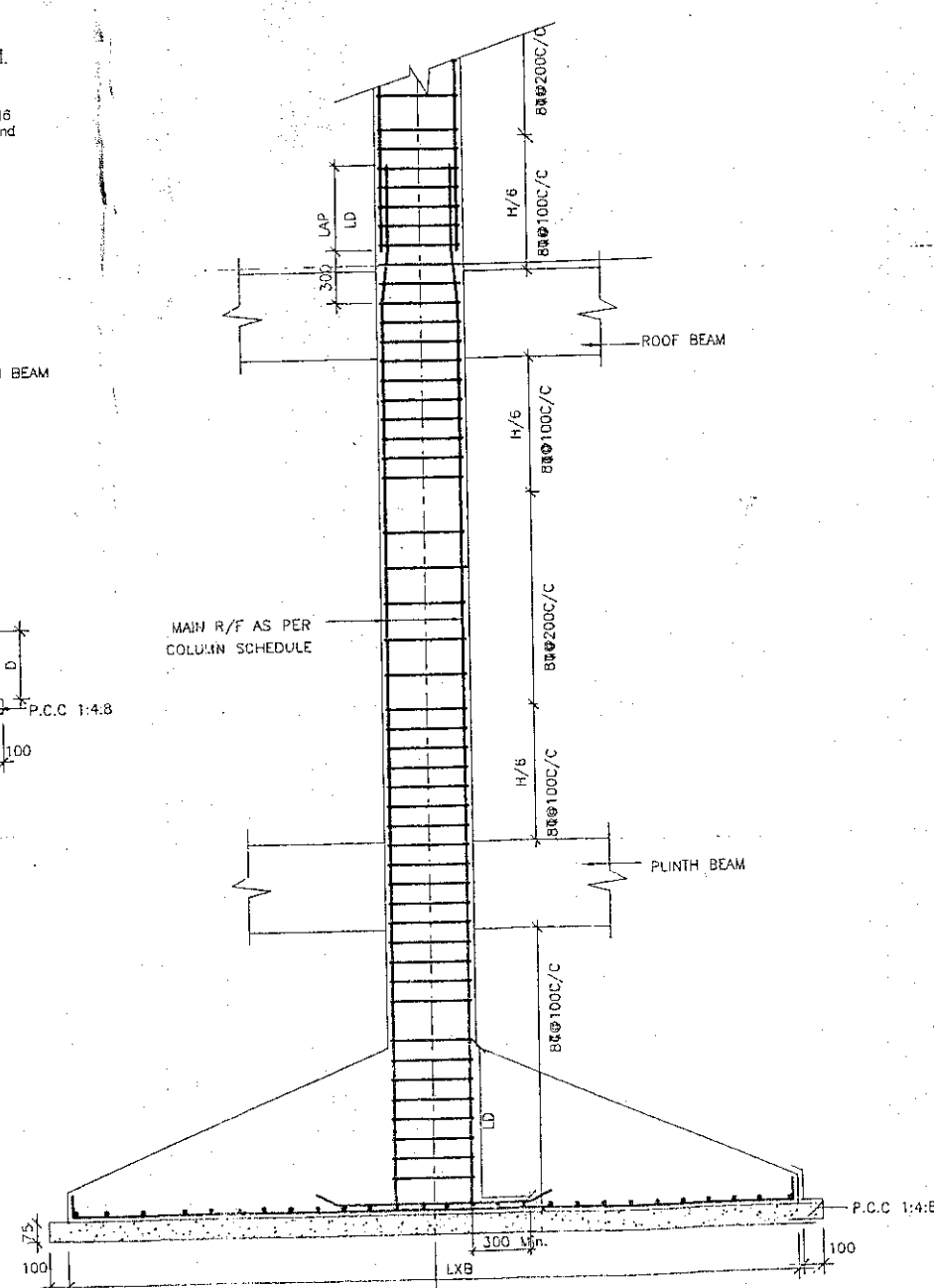


FIG. 1

FOOTING SCHEDULE

FTG. MARK	CONC. DIMENSION				R/F PARALLEL TO (BOTTOM)		R/F PARALLEL TO (TOP)		REF. FIG. NO
	LONG SIDE (A)	SHORT SIDE (B)	DEPTH (D)	DEPTH (d)	LONG SIDE (A)	SHORT SIDE (B)	LONG SIDE (A)	SHORT SIDE (B)	
F-1	2250	2150	400	150	10mm@150C/C	10mm@150C/C	---	---	FIG.-1
F-2	1450	1450	300	300	10mm@150C/C	10mm@150C/C	---	---	FIG.-1
F-3	2150	2050	400	150	10mm@150C/C	10mm@150C/C	---	---	FIG.-1
F-4	2000	1450	400	150	10mm@150C/C	10mm@150C/C	---	---	FIG.-1
F-5	1600	1600	400	150	10mm@150C/C	10mm@150C/C	---	---	FIG.-1
CF1	5150	1950	350	350	10mm@150C/C	10mm@150C/C	10mm@200C/C	10mm@200C/C	FIG.-2



TYP. SECTION OF COLUMN TIE REINF.

NOTES

- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
- THE DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWING. ANY DISCREPANCY BETWEEN ARCH. DRAWING AND STRUCTURAL DRAWING SHALL BE RECONCILED BEFORE EXECUTION.
- DULY WRITTEN DIMENSIONS ARE TO BE FOLLOWED. NEITHER THE BARS SHALL BE COUNTED NOR THE DIMENSION SCALED FROM DRAWINGS.
- WATER FOR CONSTRUCTION PURPOSES SHALL CONFORM TO RELEVANT CLAUSES OF I.S. 456-2000.
- BEARINGS FOR THE SLAB SHOULD BE PROVIDED FOR THE FULL WIDTH OF WALL UNLESS OTHERWISE SPECIFIED.
- ALL REINFORCED CEMENT CONCRETE SHALL BE DESIGN MIX M-25 CONFORMING TO I.S. 456-2000. STONE AGGREGATE SHALL BE 20 mm NOMINAL SIZE.
- IN TWO WAY SLAB PLACE SHORT BARS IN BOTTOM LAYER.
- ALL STEEL REINFORCEMENT SHALL BE OF TMT TYPE CONFORMING TO I.S. 1786 AND HAVING MINIMUM YIELD STRENGTH OF 415N/mm².
- LAP LENGTH/DEVELOPMENT LENGTH FOR REINFORCEMENT BARS AS PER I.S. 456-2000 SHALL BE 47 X DIA OF BAR FOR M-20. LAPS SHALL BE STAGGERED AND AVOIDED AT THE POINT OF MAXIMUM BENDING MOMENT.
- ALL BRICK IN THE MASONRY SHALL HAVE CHARACTERISTIC STRENGTH 7.5 N/mm² UNLESS OTHERWISE SPECIFIED AND LAID IN 1:6 (1 CEMENT : 6 SAND) MORTAR.
- CLEAR COVER FOR:-
SLAB - 20mm
BEAM - 30mm
FOUNDATION - 50mm
COLUMNS - 40mm
- LAP SHOULD NOT BE PROVIDED
a) WITHIN A JOINT
b) WITHIN A DISTANCE 2 d FROM JOINT FACE
c) WITHIN A DISTANCE 1/4 LENGTH OF MEMBER FROM THE JOINT FACE.
- NOT MORE THAN 50% OF BAR SHALL BE SPLICED AT ONE SECTION.
- THE REINFORCEMENT DETAILING SHALL BE AS PER IS: 13920.
- CONSTRUCTION JOINT SHALL BE MADE VERTICAL BY PROPER TEMPLATES WITH SLOTS FOR ACCOMMODATING REINFORCEMENT BARS. THE JOINT SHALL BE TREATED IN ACCORDANCE WITH I.S. 11817.
- THE CONSTRUCTION JOINT SHALL BE PLANNED AND APPROVED BY THE ENGINEER IN CHARGE, BUT IT SHALL NOT BE PROVIDED IN BEAM.
- EXPANSION JOINT SHALL BE AS PER DRAWING.

REVISIONS

DESCRIPTION	DATE	BY

ARCHITECT
ASHUTOSH KR. AGARWAL
202/A-2, ACHARYA NIKETAN, MAYUR VIHAR
PH-1 New Delhi-110 091
PH. : 011-22757301, 9350333222

STRUCTURAL CONSULTANT
SANRACHNA CONSULTANTS
103, ANSAL'S MAJESTIC TOWER, PLOT NO.-17,
BLOCK G-1, VIKAS PURI, NEW DELHI-110018
PHONE:- 011-28545881, 9811 45 35 25
E MAIL :- sharaad120@rediffmail.com

PROJECT
HOUSING AT GREATER NOIDA
PROJECT NO. *DRG NO. RESH/02*
SCALE 1:50, 1:25
DATE : 27-06-2011
DRAWN BY *DR. SHARAD GUPTA*
CHECKED *SHARAD GUPTA*

DRAWING TITLE
FOUNDATION DETAIL