

A. GUIDELINES FOR INTERPRETATION OF DRAWINGS:

- ALL STRUCTURAL DRAWINGS SHALL BE READ IN COMPLIANCE WITH ARCHITECTURE & SERVICES DRAWINGS.
- ONLY DRAWINGS ISSUED AS HARDCOPY WITH STAMP OF "GOOD FOR CONSTRUCTION" SHALL BE VALID FOR EXECUTION.
- DRAWINGS MAY UNDERGO REVISIONS DURING PROJECT DESIGN AND EXECUTION STAGE. ONLY LATEST REVISION OF DRAWINGS SHALL BE FOLLOWED FOR EXECUTION.
- DIMENSIONS SHALL NOT BE MEASURED FROM DRAWINGS. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
- NUMBER OF BARS SHALL NOT BE COUNTED FROM DRAWINGS. ONLY WRITTEN TEXT SHALL BE FOLLOWED.

| B. | ABBREVIATIONS USED: |
|-------|---------------------------------|
| TYP | TYPICAL |
| MAX | MAXIMUM |
| MIN | MINIMUM |
| C/C | CENTRE TO CENTRE SPACING |
| B/F | BOTH FACES |
| B/W | BOTH WAYS |
| T & B | TOP AND BOTTOM |
| LVL | LEVEL |
| @ | AT THE RATE OF |
| R/F | REINFORCEMENT |
| B | SYMBOLIZE BEAM |
| C | SYMBOLIZE COLUMN |
| SW | SYMBOLIZE SHEAR WALL |
| S | SYMBOLIZE SLAB |
| RW | SYMBOLIZE EARTH RETAINING WALL |
| WT | SYMBOLIZE WATER RETENTION WALL |
| STPS | STIRRUPS |
| THK | THICK, THICKNESS |
| UM | UNLESS MENTIONED OTHERWISE |
| PCC | PLAIN CONCRETE |
| M | CONCRETE GRADE |
| Fe | REINFORCEMENT GRADE |
| ———— | SYMBOLIZE TOP BARS (IN PLAN) |
| ----- | SYMBOLIZE BOTTOM BARS (IN PLAN) |

C. NOTATIONS:

| | |
|--|---|
| | SYMBOLISE STRUCTURAL LEVEL (TOP OR CONCRETE) IN PLAN |
| | SYMBOLISE LEVEL OF STRUCTURAL ELEMENT (TOP OF CONCRETE) IN SECTION OR ELEVATION |
| | SYMBOLISE SECTION DRAWN LOOKING TOWARDS ARROW HEAD |
| | SYMBOLISE TERMINATION OF VERTICAL MEMBER IN PLAN AT PARTICULAR LEVEL |
| | SYMBOLISE STARTING LEVEL OF VERTICAL MEMBER (STUB / FLOATING COLUMN) IN PLAN AT PARTICULAR LEVEL |
| | SYMBOLISE CONTINUATION OF VERTICAL MEMBER (BELOW AND ABOVE THAT LEVEL) IN PLAN AT PARTICULAR LEVEL |
| | BRICK/BLOCK WORK (IN PLAN) |
| | STONE WORK (IN PLAN) |
| | SYMBOLISE OPENING IN STRUCTURAL ELEMENT |
| | SLEEVE IN BEAM / COLUMN / SHEARWALL |
| | SYMBOLIZE SUNKEN DEPTH |
| | SYMBOLIZE SOLID SLAB/RAFT THICKNESS |
| | SYMBOLIZE 8MM DIAMETER REINFORCING BAR PROVIDED AT REGULAR SPACING OF 150mm CENTRE TO CENTRE |
| | SYMBOLIZE 2 NUMBERS OF 16MM DIAMETER REINFORCING BARS |
| | SYMBOLIZE 8MM DIAMETER REINFORCING BARS OF FOUR LEGGED STIRRUPS AT SPACING OF 150MM CENTRE TO CENTRE. |
| | INDICATES CURTAILMENT OF BAR R/F. BAR |

D. CONCRETE WORK

- ALL STRUCTURAL CONCRETE SHALL BE DESIGN MIX CONCRETE DULY APPROVED BY STRUCTURAL CONSULTANT.
- ALL CONCRETE SHALL BE MACHINE MIXED AND MACHINE VIBRATED. SIX CUBES SHALL BE TAKEN FROM EACH SPECIFIED POUR, THREE FOR TESTING AFTER 7 DAYS AND THREE AFTER 28 DAYS.
- MAXIMUM NOMINAL SIZE OF AGGREGATES SHALL BE 20MM.
- FINE AGGREGATE SHALL CONFORM TO IS: 383 OR 515.
- COARSE AGGREGATE SHALL CONFORM TO IS: 383 OR 515.
- WATER USED FOR PRODUCTION OF CONCRETE SHALL CONFORM TO IS: 456.
- ADMIXTURES AND CHEMICALS SHALL BE APPROVED BY STRUCTURAL CONSULTANT BEFORE THEIR USE IN CONCRETE.
- CONTRACTOR SHALL ENSURE THAT ALL FIXTURES SUCH AS INSERTS, PIPE SLEEVES ETC ARE IN PLACE IN ACCORDANCE WITH DRAWINGS BEFORE CONCRETING.

E. REINFORCEMENT STEEL

- ALL REINFORCEMENT SHALL CONFORM TO IS: 1786 AND SHALL BE IN FORM OF DEFORMED BARS.
- ALL BARS HAVE ELONGATION MORE THAN 14.5% AND COMPLYING REQUIREMENT OF INDIAN STANDARDS.
- REINFORCING BARS SHALL CONFORM ACCURATELY TO THE DIMENSIONS SHOWN ON RELEVANT DRAWINGS. BAR BENDING SHALL CONFORM TO IS: 2502.
- ALL REINFORCEMENT SHALL BE THOROUGHLY CLEANED OF ALL GREASE, MILL SCALE LOOSE RUST OR ANYTHING LIKELY TO DESTROY ADHESION OF THE STEEL WITH CONCRETE.
- GOOD QUALITY DUCTILE BINDING WIRE OF 1.6 MM DIA SHALL BE USED AT ALL BAR INTERSECTIONS.
- NO CONCRETING SHALL COMMENCE, UNTIL THE BARS HAVE BEEN PROPERLY PLACED, TIED AND HAVE BEEN INSPECTED AND APPROVED BY ENGINEER -IN-CHARGE.
- LAYERS OF BARS SHALL BE SEPARATED BY SPACER BARS SUCH THAT SPACER BARS SHALL BE PLACED NOT MORE THAN 1.0 M APART AND DIAMETER OF SPACER BAR SHALL BE MINIMUM 25 MM. OR DIA OF MAIN BAR (WHICHEVER IS MORE).
- ALL DOWELS PROVIDED FOR LAPPING SHALL BE COATED WITH CEMENT SLURRY IF LEFT EXPOSED FOR A LONG PERIOD.
- REINFORCEMENT BAR SHALL BE TESTED WHENEVER A BATCH OF BARS ARRIVES AT SITE. SUCH TESTS SHALL BE CONDUCTED FOR EACH DIAMETER OF REINFORCING BARS IN ACCORDANCE WITH INDIAN STANDARDS.

F. PREFERRED LOCATION OF SPLICING IN VARIOUS STRUCTURAL MEMBERS:-

| | | |
|---|---|--|
| A | COLUMNS | REFER COLUMN R/F. DETAILS |
| B | BEAMS AND SLAB | TOP R/F ----- MID SPAN BOTTOM R/F ----- ONE THIRD OF SPAN |
| C | STAIRCASE WAIST SLAB | ONE THIRD OF SPAN |
| D | RETAINING WALL / WATER TANK WALL | ALTERNATE BARS CAN BE LAPPED |
| E | FOUNDATION (i) ISOLATED (ii) RAFT/COMBINED FOOTING/FOOTING BEAMS (iii) STITCH SLAB/ GRADE SLAB | NO LAPPING TOP R/F ----- ONE THIRD OF SPAN BOTTOM R/F ----- MID SPAN ALTERNATE BARS CAN BE LAPPED |

G. SHUTTERING/ FALSE FORM

- CONTRACTOR SHALL BEAR RESPONSIBILITY OF SHUTTERING. SHUTTERING SHALL BE DESIGN AND ERECTED SO AS TO REMAIN RIGID DURING PLACING AND COMPACTION OF CONCRETE.
- FORM WORK SHALL BE SUCH THAT AS TO PREVENT LOSS OF SLURRY FROM CONCRETE.
- CONTRACTOR SHALL ENSURE SHAPES, LINES AND DIMENSION TOLERANCES AS PER DESIGN DRAWINGS.
- FORM WORK SHALL BE SUPPORTED BY STRONG AND PROPERLY BRACED SCAFFOLDING BOTHWAYS VERTICALLY AND HORIZONTALLY ENSURING UNYIELDING WOODEN OR STEEL BASE PLATES.
- STRIPPING TIME OF FORMS SHALL BE APPROPRIATE TO STRENGTH GAIN AS RECOMMENDED IN IS: 456-2000.
- IN NORMAL CIRCUMSTANCES AND ADEQUATE CURING IS DONE FORMS MAY GENERALLY BE REMOVED AFTER EXPIRY OF FOLLOWING MINIMUM PERIOD.
- SHUTTERING SUPPORTING OVERHANGS (CHAJJAS,CANOPY,BALCONY ETC) SHALL NOT BE REMOVED UNTIL SUFFICIENT BACK ANCHORAGE IS PROVIDED.
- SHUTTERING OF CANTILEVER BEAMS & SLABS SHALL BE REMOVED STARTING FROM OVERHANGING EDGE.
- UNLESS WHERE SPECIFIED ON DRAWINGS, ALL FORM WORK SHALL BE PROVIDED WITH UPWARD CAMBER TO COMPENSATE FOR ANTICIPATED DEFLECTIONS. IT IS RESPONSIBILITY OF CONTRACTOR TO PROVIDE CAMBER IN LARGE SPAN SLAB AND BEAMS AS PER CODAL RECOMMENDATION OR GUIDE LINES GIVEN IN CPWD SPECIFICATIONS. AS GENERAL GUIDELINES, PROVIDE CAMBER OF SPAN/ 400 IN SPAN FOR ALL BEAM AND SLAB OR FOLLOW STRUCTURAL DRAWING FOR ANY SPECIFIC REQUIREMENTS.
- FLOOR SLAB SYSTEM SHALL BE DESIGNED FOR LIVE LOAD, FLOORING LOAD, WALL LOAD AND ACTUAL SELF WEIGHT. CASTING LOAD OF ABOVE LEVEL FLOOR SLAB AND SHUTTERING LOAD NOT CONSIDERD IN LOWER FLOOR SLAB (UNLESS SPECIFIED IN DESIGN DRAWINGS). IT IS CONTRACTOR RESPONSIBILITY TO CALCULATE CASTING LOAD FROM UPPER FLOOR AND CHECK FEASIBILITY OF SUPPORTING ON LOWER FLOOR.

STRIPPING OF FORM WORK

| | | FOR OPC CEMENT | FOR PPC OR OPC+ FLY ASH |
|----|--|---|---|
| A. | WALLS, COLUMN AND VERTICAL FACES OF ALL STRUCTURAL ELEMENTS | 24 HOURS | 36 HOURS |
| B. | SLABS SOFFIT TO REMOVED PROPS LEFT UNDER SPACING UPTO 4.5m SPACING OVER 4.5m REMOVAL OF PROPS SPANNING UPTO 4.5m SPANNING OVER 4.5m | 5 DAYS 7 DAYS 7 DAYS 14 DAYS | 7 DAYS 11 DAYS 9 DAYS 14 DAYS |
| C. | BEAMS SOFFIT TO REMOVED PROPS LEFT UNDER SPACING UPTO 6m SPACING OVER 6m REMOVAL OF PROPS SPANNING UPTO 6m SPANNING ABOVE 6m | 7 DAYS 10 DAYS 14 DAYS 21 DAYS | 9 DAYS 14 DAYS 17 DAYS 25 DAYS |

H. ANCHORAGEMENT AND SPLICING OF BARS

- MINIMUM DEVELOPMENT LENGTH FOR ANCHORAGE AND SPLICING ARE MENTIONED IN GIVEN TABLES.
- NOT MORE THAN 50% BAR SHALL BE SPLICED AT ONE SECTION
- WHEN BARS OF TWO DIFFERENT DIAMETERS ARE BE TO SPLICED, LAP LENGTH SHALL BE CALCULATED ON BASIS OF DIAMETER OF SMALLER BAR.
- AT SPLICING OF BARS STIRRUPS SPACING SHALL NOT BE GREATER THAN 100MM.
- LAP SPLICING SHALL BE CONSIDERED AS STAGGERED IF CLEAR DISTANCE BETWEEN SPLICE IS NOT LESS THAN 0.3 TIMES DEVELOPMENT LENGTH OR 300MM (WHICHEVER IS MORE).
- IN CASE MECHANICAL COUPLER ARE USED FOR SPLICING, MINIMUM CLEAR GAP BETWEEN FACE OF COUPLER SHALL BE 300MM.

TABLE - 1
DEVELOPMENT LENGTH (Ld) FOR Fe 550D:

| CONCRETE GRADE | M40 | M35 | M30 | M25 |
|----------------|------|------|------|------|
| Ld Dia | 40d | 44d | 50d | 54d |
| T32 | 1300 | 1500 | 1600 | 1800 |
| T25 | 1100 | 1100 | 1350 | 1350 |
| T20 | 1000 | 1000 | 1100 | 1100 |
| T16 | 800 | 800 | 900 | 900 |
| T12 | 550 | 550 | 650 | 650 |
| T10 | 500 | 500 | 500 | 500 |
| T8 | 450 | 450 | 450 | 450 |

TABLE - 2
DEVELOPMENT LENGTH (Ld) FOR Fe 500D

| CONCRETE GRADE | M40 | M35 | M30 | M25 |
|----------------|------|------|------|------|
| Ld Dia | 36d | 40d | 46d | 49d |
| T32 | 1300 | 1300 | 1600 | 1600 |
| T25 | 1000 | 1000 | 1250 | 1250 |
| T20 | 800 | 800 | 1000 | 1000 |
| T16 | 700 | 700 | 800 | 800 |
| T12 | 500 | 500 | 600 | 600 |
| T10 | 500 | 500 | 500 | 500 |
| T8 | 400 | 400 | 400 | 400 |

TABLE - 3
DEVELOPMENT LENGTH (Ld) FOR Fe 415

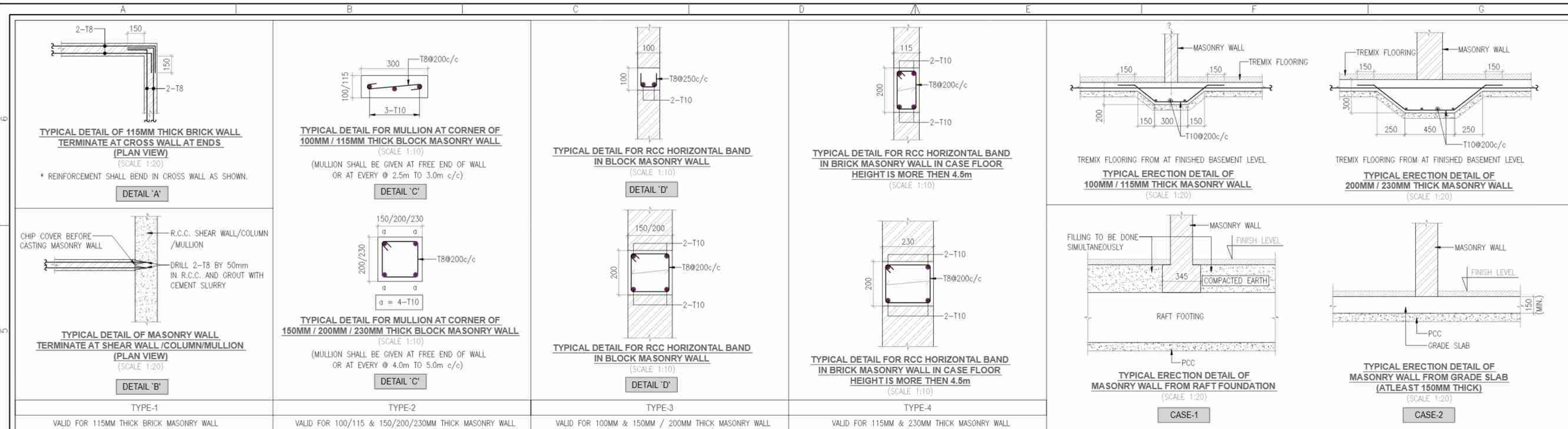
| CONCRETE GRADE | M40 | M35 | M30 | M25 |
|----------------|-----|------|------|------|
| Ld Dia | 30d | 34d | 39d | 41d |
| T32 | 960 | 1090 | 1250 | 1310 |
| T25 | 750 | 850 | 980 | 1030 |
| T20 | 600 | 680 | 780 | 820 |
| T16 | 480 | 560 | 630 | 660 |
| T12 | 360 | 410 | 470 | 500 |
| T10 | 300 | 340 | 390 | 410 |
| T8 | 240 | 280 | 320 | 330 |

- ALL DIMENSIONS SHOWN ARE IN MM. (UNLESS MENTIONED).
- FOLLOW WRITTEN DIMENSIONS ONLY. DO NOT MEASURE ANY DIMENSION.

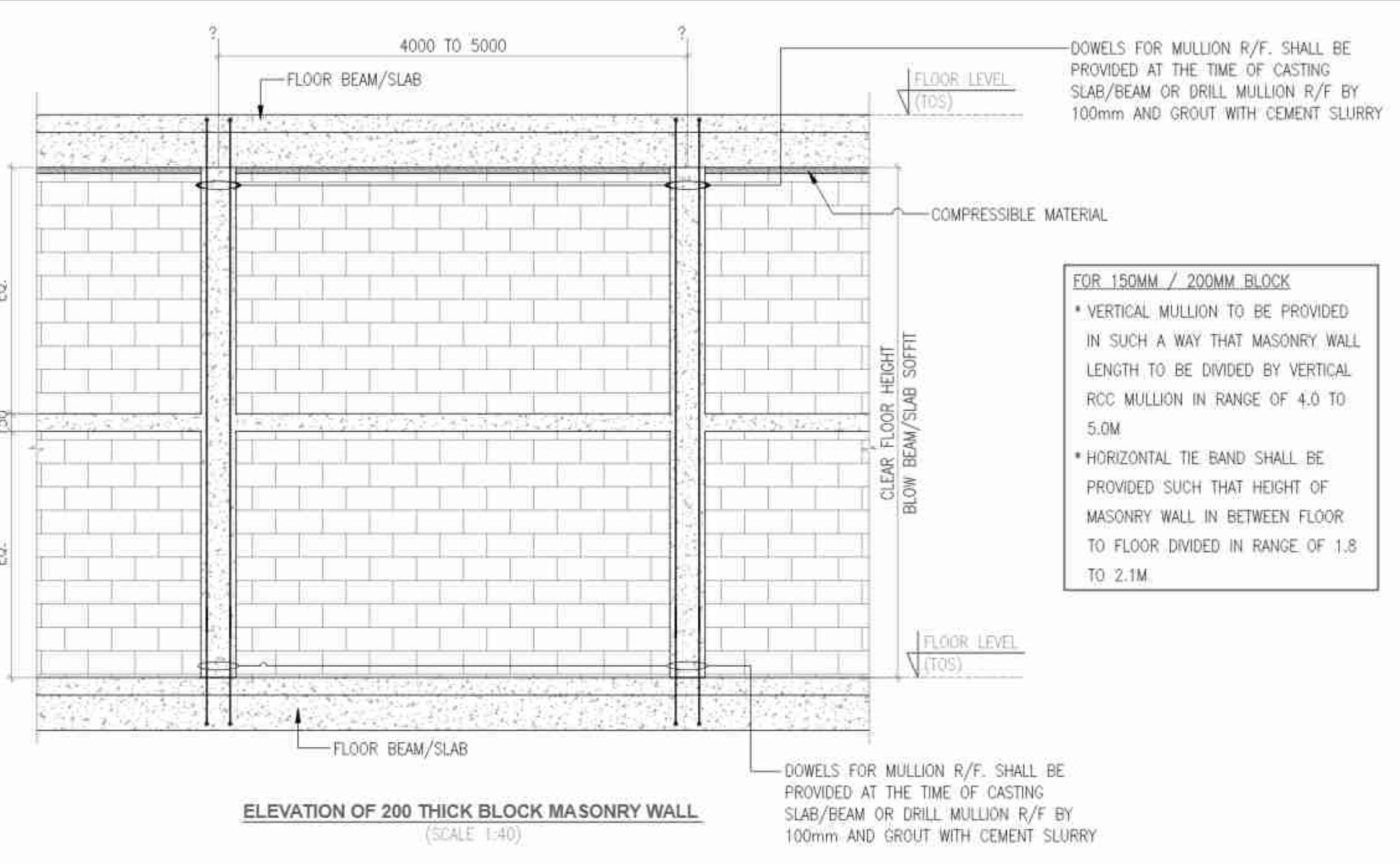
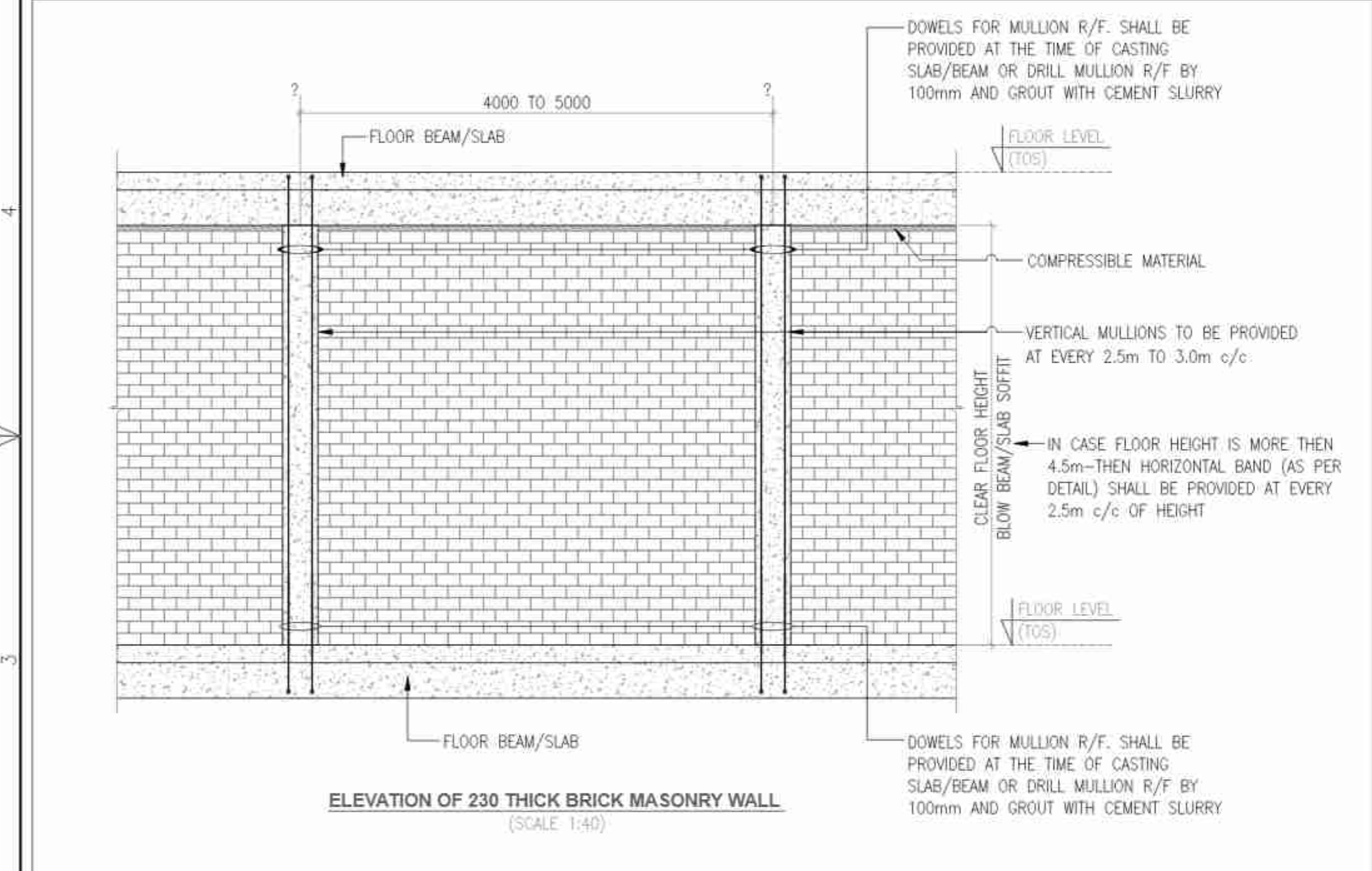
* FOR COLUMNS, BEAMS & SLAB TYPICAL DETAILS REFER RELEVANT STRUCTURAL DRAWINGS.

* FOR ERECTION OF MASONRY WALLS & INTELS DETAILS REFER RELEVANT STRUCTURAL DRAWINGS.

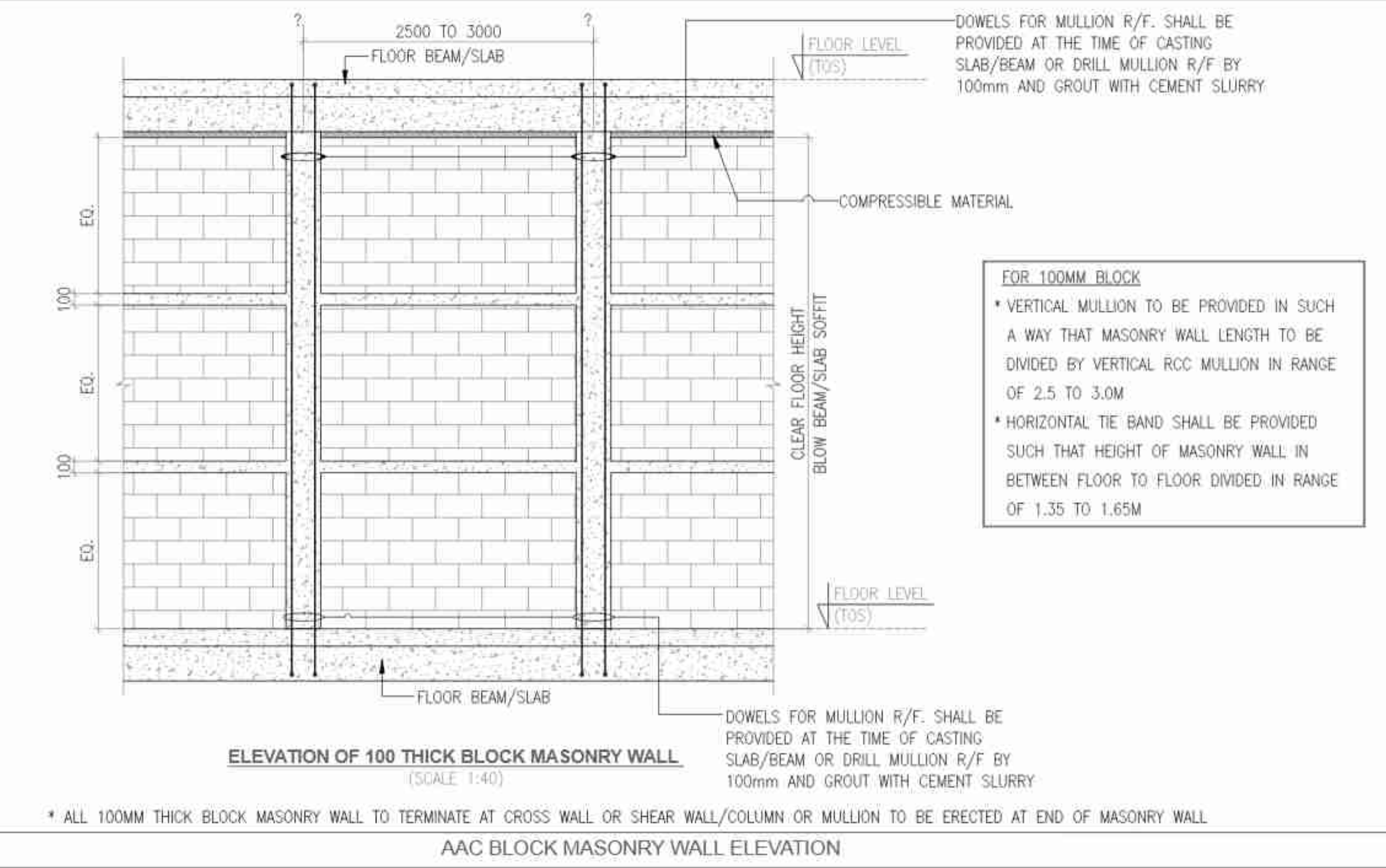
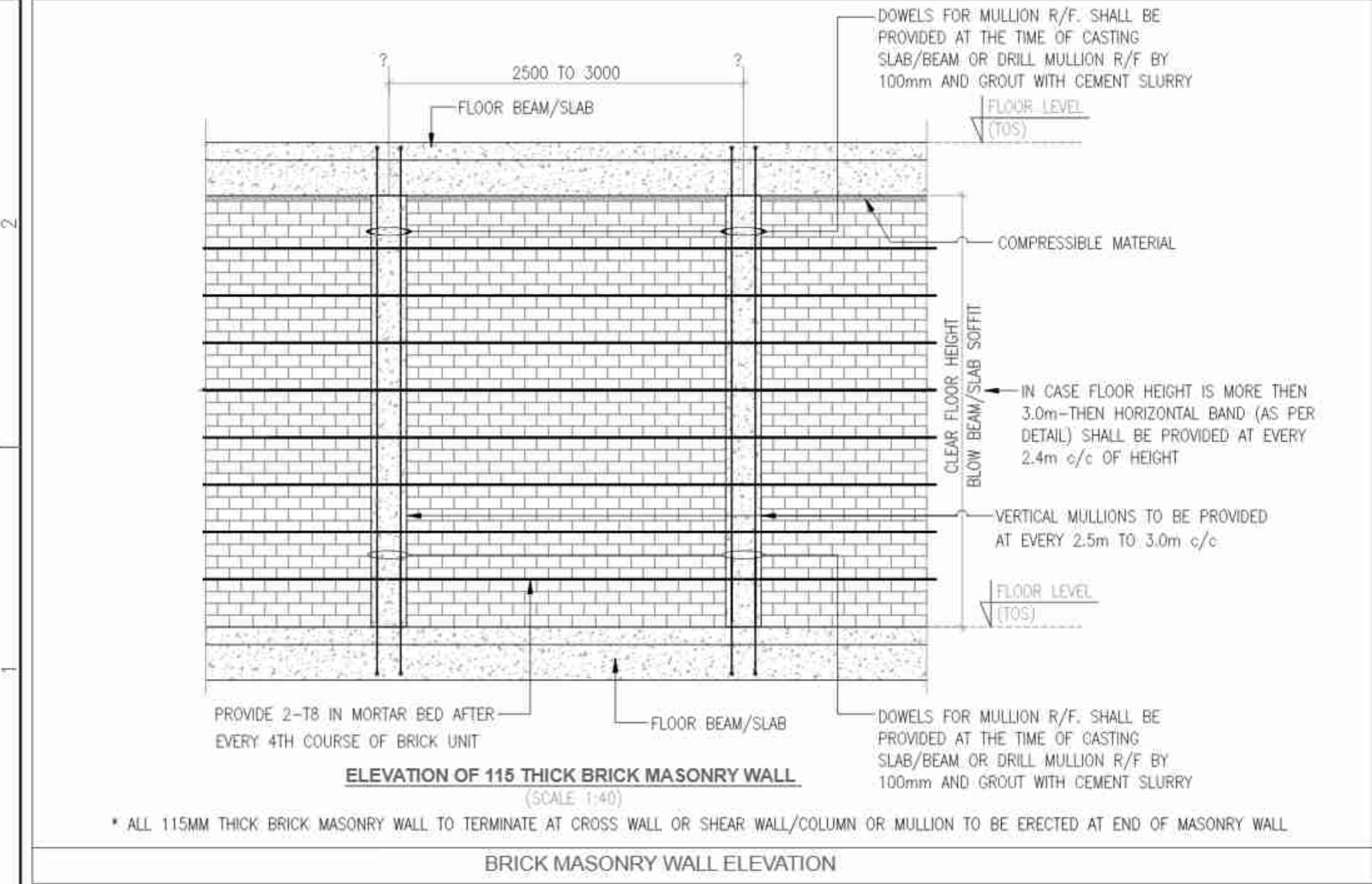
| | | |
|--|----------------------------|---------------------------------|
| | | |
| RO | FOR SUBMISSION | 13.06.2023 |
| REV. NO. | DESCRIPTION | DATE |
| PROJECT :- PROPOSED STRUCTURAL DRAWINGS OF COMMERCIAL COLONY AREA MEASURING 3.9625 ACRES (LICENCE NO. 47 DATED 18/04/2022) IN SECTOR-89, GURUGRAM BEING DEVELOPED BY SMART ARENA HOMETOWN LLP IN COLLABORATION WITH PEERRAGE BUILDWELL PVT. LTD. | | |
| ARCHITECT :- GIAN P. MATHUR AND ASSOCIATES (P) LTD. C - 55, East Of Kailash, New Delhi-110065 T : 463995991 F 46399512 E : info@gpmindia.com W : www.gpmindia.com | | |
| | | |
| DRAWING TITLE | | GENERAL NOTES |
| DRAWING NO. :- | | 5 5 3 8 1 3 1 0 1 A |
| SCALE: AS SHOWN | DATE: 13.06.2023 | SHEET NO. :- 01 OF 01 |
| DRAWN BY: HK | DESIGNED BY: SJ | APPROVED BY: AGU |
| STATUS :- FOR SUBMISSION | | REVISION NO. :- RO |



- NOTES :-**
- ALL DIMENSIONS ARE IN MM (UNLESS MENTIONED).
 - DO NOT SCALE ANY DIMENSION; ALWAYS FOLLOW WRITTEN DIMENSIONS.
 - MASONRY SHALL BE CONSTRUCTED IN ENGLISH BOND CONFORMING TO IS : 2212 (LATEST REVISION)
 - MASONRY UNITS SHALL BE STRONG ENOUGH WITH SHARP EDGES, DURABLE AND OF UNIFORM SIZE.
 - MINIMUM THREE MASONRY UNITS SHALL BE SELECTED AT RANDOM FROM EACH LOT AND SHALL BE TESTED FOR CRUSHING STRENGTH AND WATER ABSORPTION ALL TEST RESULTS SHALL BE IN CONFORMITY WITH RELEVANT STANDARDS FOR TESTING.
 - MASONRY SHALL BE CONSTRUCTED IN CEMENT MORTAR 1:6 (TYPE M2) CONFORMING TO IS : 2250 (LATEST REVISION) UNLESS SPECIFIED OTHERWISE.
 - ALL MASONRY JOINTS SHALL BE RAKED TO A DEPTH OF 6MM TO ENSURE EFFECTIVE BOND WITH PLASTER.
 - ALL BRICK MASONRY WORKS SHALL BE TREATED WITH PROPER CUTTING, CURING & SOAKING OF BRICKS UNITS BEFORE USING THEM.
 - ALL AUTO CLAVED AERATED CONCRETE BLOCK (AAC)-MASONRY WORKS SHALL BE TREATED WITH MINIMUM CURING AND CONTACT OF MOISTURE.
 - AT INTERFACE OF CONCRETE SURFACE AND MASONRY UNITS, HACKING OF CONCRETE SURFACE TO BE DONE.
 - HORIZONTAL AND VERTICAL BED OF MORTAR TO BE LAID IN BETWEEN MASONRY UNITS AND INTERFACE OF MASONRY UNITS & CONCRETE FACE.



- * FOR CASTING OF MULLIONS/HORIZONTAL BANDS/SILL/LINTEL FOLLOWINGS SHALL BE USED :-
- FOR CONCRETE WORK USE CONCRETE GRADE OF M25.
 - FE 500D COMPLIANCE TO IS : 1786 (LATEST REVISION) SHALL BE USED FOR ALL REINFORCEMENT BARS.
 - CLEAR COVER TO CONCRETE SHALL BE 20mm.
- A. ALL MASONRY WALL (IN PLAN) SHALL BE TERMINATE AT RCC ELEMENT (COLUMN OR SHEAR WALL) OR MASONRY CROSS WALL OR MULLIONS.
- B. FOR AAC BLOCK OR HALF BRICK MASONRY WORKS CLAMPING SUPPORT SHALL NOT BE CONSIDERED FOR INSTALLATION OF FACADE / EQUIPMENT/ETC.
- C. FOR 230MM THICK RED BRICK WORKS-CLAMPING SUPPORT FOR LIGHTLY LOADED ELEMENT CAN BE CONSIDERED FOR HEAVILY LOADING-APPROVAL FROM STRUCTURAL CONSULTANT TO BE TAKEN.
- D. FOR HIGH RISE BUILDING ALL EXTERNAL MASONRY WORKS AFTER 20TH FLOORS SHALL BE DONE AFTER DISCUSSION WITH STRUCTURAL CONSULTANT.
- E. ALL 230MM BRICK WALL SHALL BE ERECTED FROM FLOOR BEAM OR SLAB HAVING CONCEALED REINFORCED BEAM.

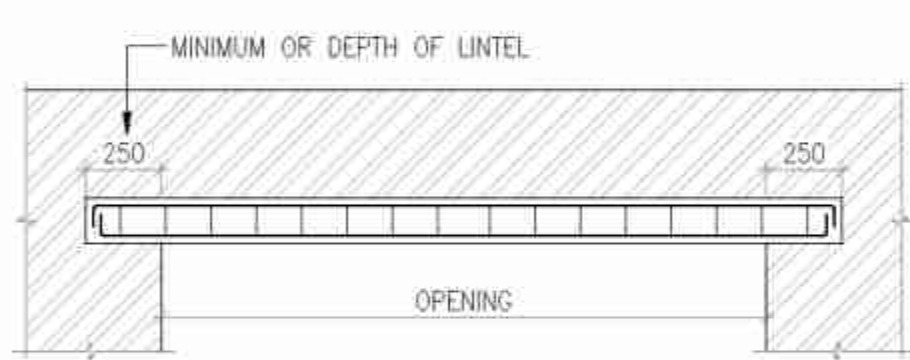


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|--|--|---------------------------|
| REV. NO. | DESCRIPTION | DATE |
| R0 | FOR SUBMISSION | 13.06.2023 |
| PROJECT :- PROPOSED STRUCTURAL DRAWINGS OF COMMERCIAL COLONY AREA MEASURING 3.9625 ACRES (LICENCE NO. 47 DATED 18/04/2022) IN SECTOR-89, GURUGRAM BEING DEVELOPED BY SMART ARENA HOMETOWN LLP IN COLLABORATION WITH PEERRAGE BUILDWELL PVT. LTD. | | |
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| DRAWING TITLE | ERECTION DETAILS FOR NON LOAD BEARING MASONRY WALLS | |
| DRAWING NO. :- | 553810101A | |
| SCALE: | AS SHOWN | DATE: 13.06.2023 |
| DRAWN BY: | HK | DESIGNED BY: SJ |
| STATUS :- FOR SUBMISSION | | APPROVED BY:- AGU |
| | | REVISION NO. :- R0 |

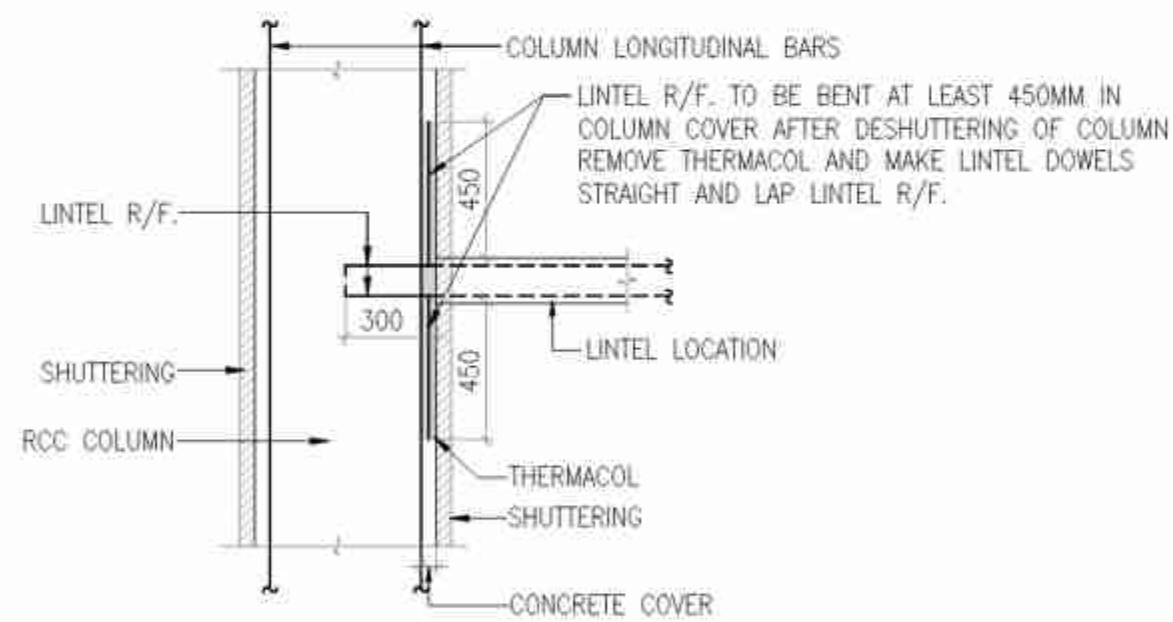
| FOR MASONRY WORK UP TO 2100 ABOVE LINTEL - FOR AAC BLOCK (MAX. DENSITY 10 KN/M ³) | | |
|---|-----------|-----------|
| OPENING SIZE | 100 THICK | 200 THICK |
| UP TO 900 | | |
| 901 TO 1200 | | |
| 1201 TO 1800 | | |
| 1801 TO 3000 * | | |
| 3001 TO 4000 * | | |

| FOR MASONRY WORK UP TO 2100 ABOVE LINTEL - FOR RED BRICK MASONRY / FLY ASH BRICK | | |
|--|-----------|-----------|
| OPENING SIZE | 115 THICK | 230 THICK |
| UP TO 900 | | |
| 901 TO 1200 | | |
| 1201 TO 2100 | | |
| 2101 TO 3000 | | |
| 3001 TO 4000 | | |

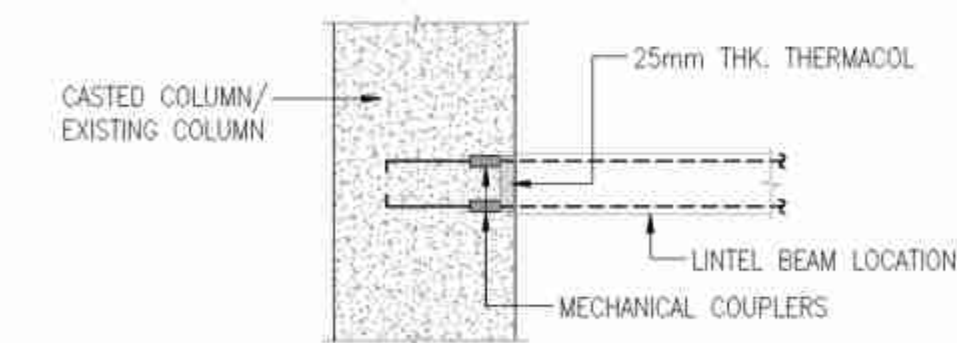
- * RCC MULLION TO BE ERECTED ALL OPENING HAVING WIDTH MORE THEN 1800mm.
 * LINTEL BEAM SHALL BE EMBEDDED AT LEAST 250mm IN MASONRY AS SHOWN IN SECTION L-L.



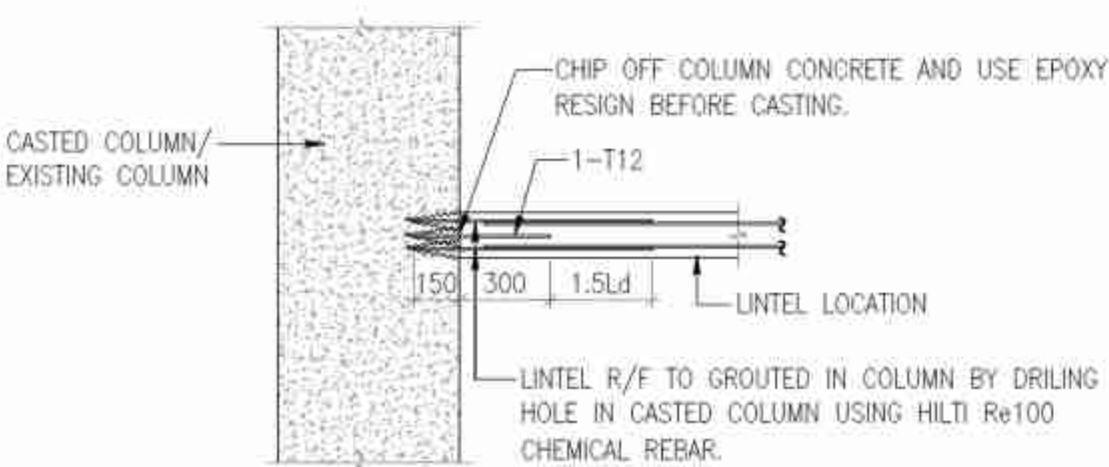
OPTION-1 LINTEL ELEVATION SHOWING BEARING OF LINTEL BEAM ON BRICK MASONRY WALL



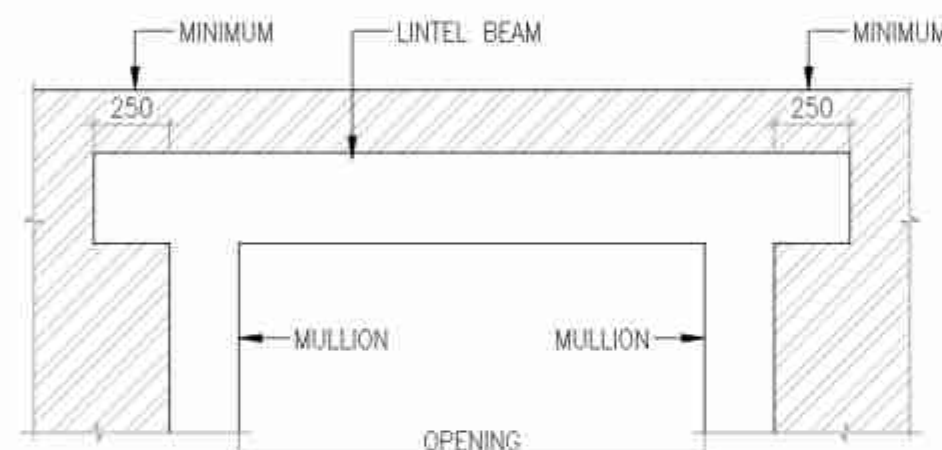
OPTION-2 PROVIDING LINTEL BEAM R/F DOWELS IN COLUMN AT THE TIME OF COLUMN CASTING



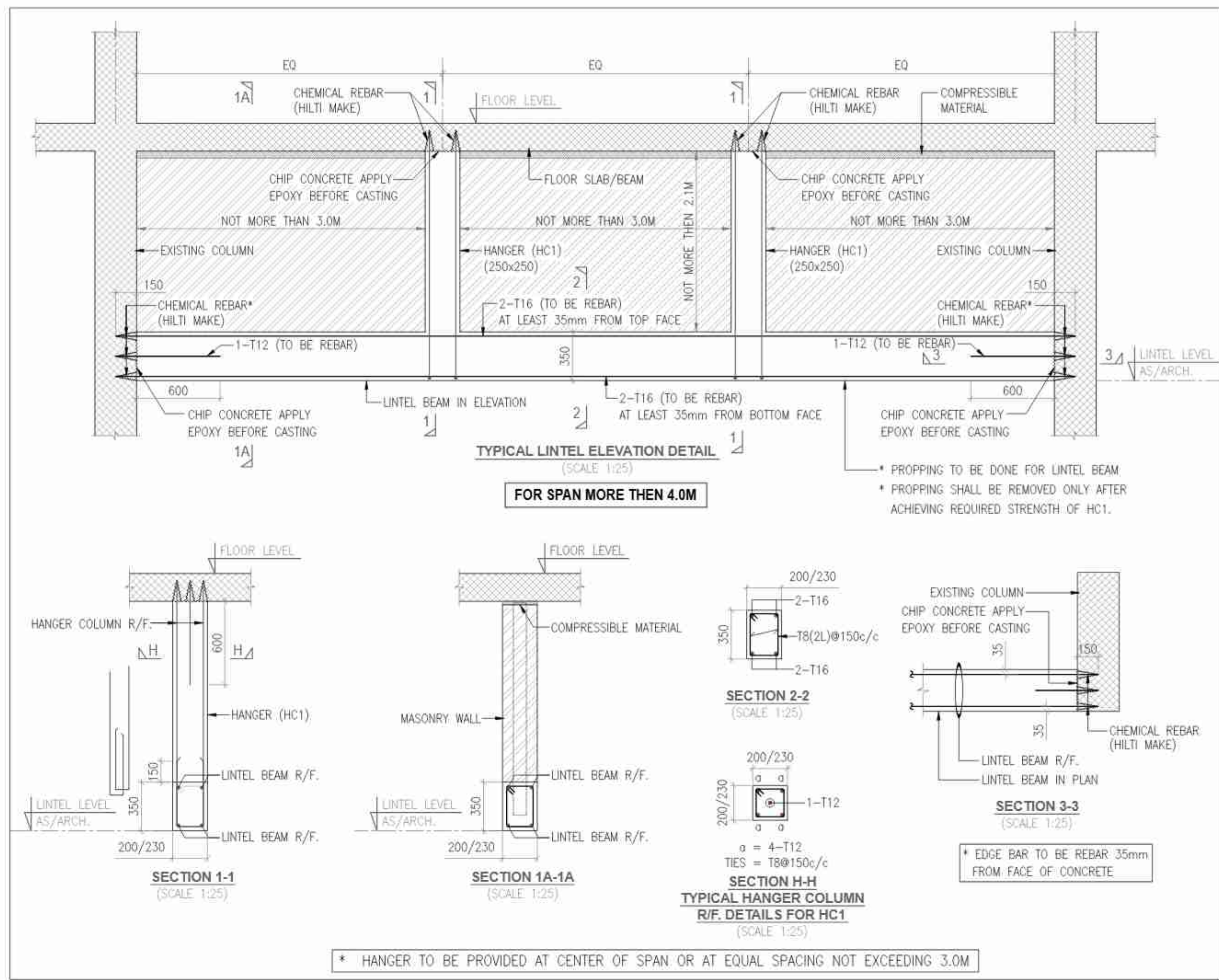
OPTION-3 PROVIDING MECHANICAL COUPLERS FROM CONNECTING LINTEL BEAM R/F



OPTION-4 LINTEL SUPPORTING ON CASTED COLUMN



SECTION L-L
(SCALE 1:25)



NOTES FOR LINTEL :-

1. ALL DIMENSIONS SHOWN ARE IN MM. (UNLESS MENTIONED).
2. FOLLOW WRITTEN DIMENSIONS ONLY. DO NOT MEASURE ANY DIMENSION.
3. ALL R/F SHALL BE Fe 500 CONFORMING TO IS 1786 (LATEST REVISION).
4. FOR RCC WORKS USE MIX M25 CONFORMING TO IS : 456 LATEST REVISION (U.N.O.).
5. LOCATION AND LEVEL OF LINTEL AS PER RELEVANT ARCHITECTURAL DRAWING.
6. PRECAST LINTEL CAN BE USED BY ADOPTING SAME DETAILS GIVEN IN THIS DRAWING.
7. CLEAR COVER TO CONCRETE SHALL BE 20mm.

GENERAL INSTRUCTION FOR LINTEL :-

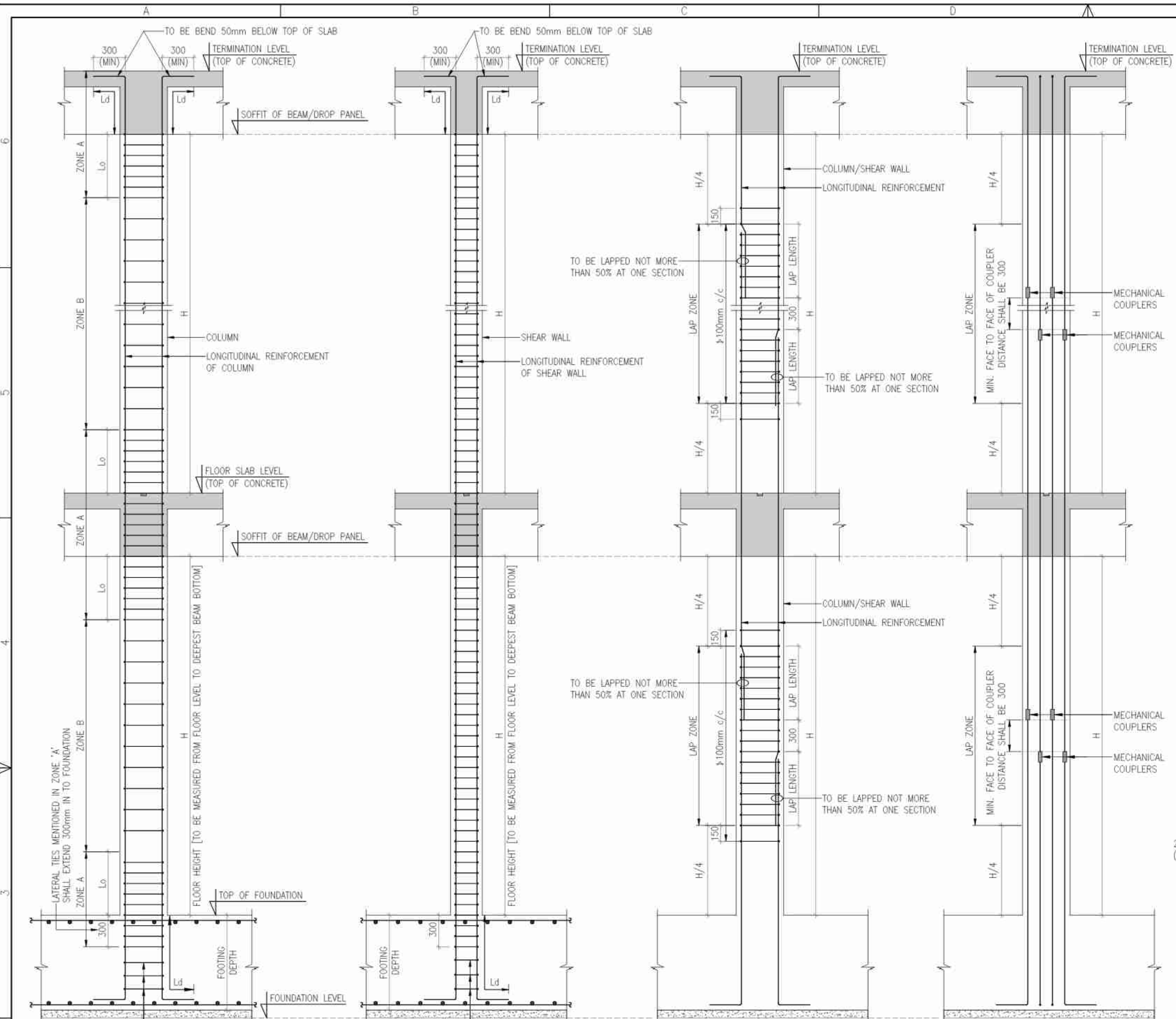
1. DETAILS GIVEN ARE FOR REGULAR LINTEL BEAM SUPPORTING MASONRY WALL IF MAXIMUM HEIGHT 2.1M ABOVE LINTEL BEAM.
2. LINTEL BEAM HAVING SPAN MORE THAN SPECIFIED OPENING SIZE OR SUPPORTING MASONRY HEIGHTS MORE THAN 2.1M THEN SHALL SEPARATE DRAWING SHALL BE REFERRED.

| REV. NO. | DESCRIPTION | DATE |
|----------|----------------|------------|
| R0 | FOR SUBMISSION | 13.06.2023 |

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 PROPOSED STRUCTURAL DRAWINGS OF COMMERCIAL COLONY AREA MEASURING 3.9625 ACRES (LICENCE NO. 47 DATED 18/04/2022) IN SECTOR-89, GURUGRAM BEING DEVELOPED BY SMART ARENA HOMETOWN LLP IN COLLABORATION WITH PEERRAGE BUILDWELL PVT. LTD.

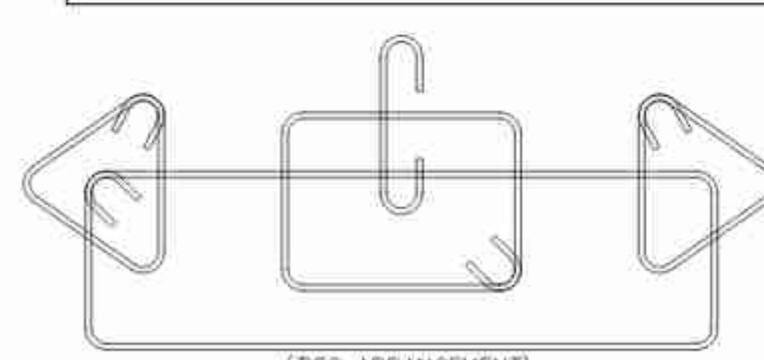
ARCHITECT :-
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| DRAWING TITLE | ERECTION DETAILS FOR NON LOAD BEARING MASONRY WALLS | | | | | | | | | |
|----------------|---|-----------|----------------|-----------------|----|----|----|--------------|-----|--------------|
| DRAWING NO. :- | 5 | 3 | 8 | 1 | 0 | 1 | 0 | 1 | B | |
| SCALE: | AS SHOWN | DATE: | 13.06.2023 | SHEET NO. :- | 01 | OF | 01 | DESIGNED BY: | AGU | APPROVED BY: |
| DRAWN BY: | HK | STATUS :- | FOR SUBMISSION | REVISION NO. :- | R0 | | | | | |

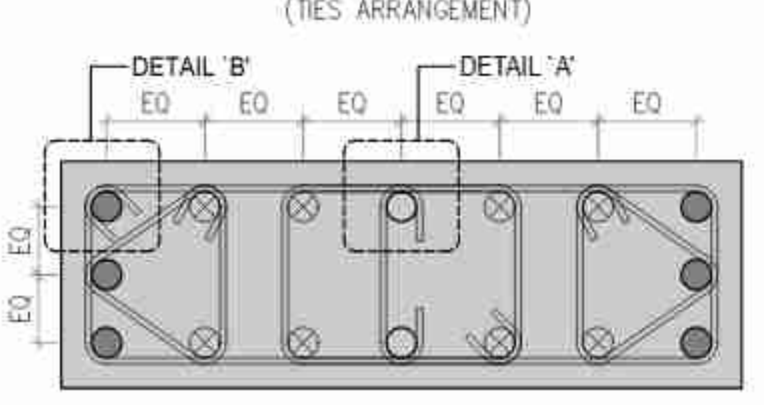


TYPICAL COLUMN ELEVATION SHOWING ARRANGEMENT OF LATERAL TIES

- * AT SPLICE LOCATION OF LONGITUDINAL BARS LATERAL TIES SPACING SHALL NOT BE MORE THAN 100mm C/C (MIN.)
- * L_o SHALL BE - FLOOR HEIGHT/6
 - 450mm
 - LARGER DIMENSION OF COLUMNMAXIMUM SHALL BE CONSIDERED AS L_o



DETAIL 'A' (TYPICAL DETAILS OF OPEN LINKS)

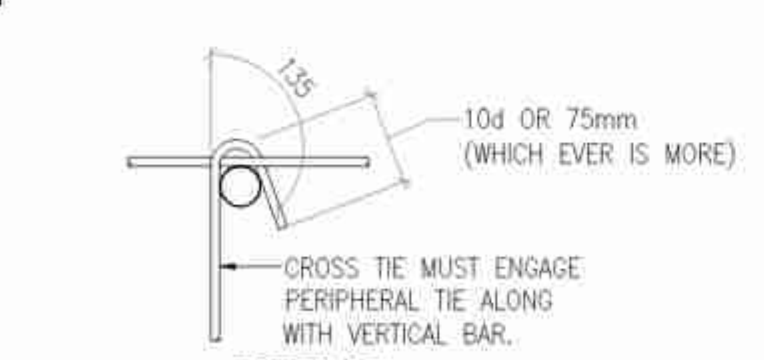


DETAIL 'B' (TYPICAL DETAILS OF 135° HOOK TO BE PROVIDED TO ALL RINGS)

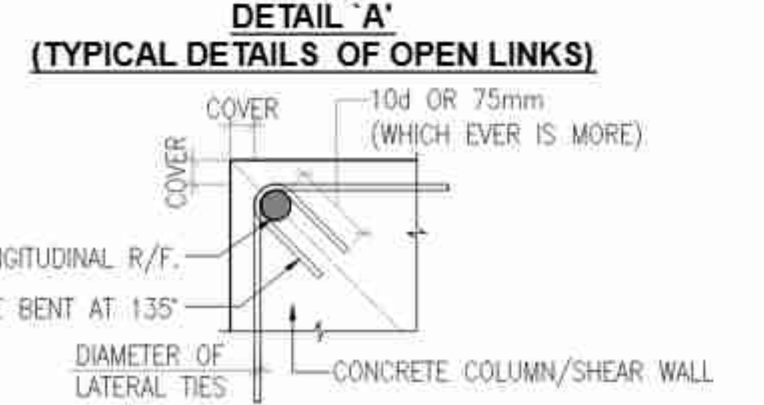
TYPICAL COLUMN SECTION SHOWING PLACEMENT OF LONGITUDINAL BAR
(ALL BARS SHALL BE PLACED EQUALLY SPACED)

TYPICAL ELEVATION SHOWING ARRANGEMENT OF LATERAL TIES IN BOUNDARY ELEMENT OF SHEAR WALL

- * AT SPLICE LOCATION OF LONGITUDINAL BARS LATERAL TIES SPACING SHALL NOT BE MORE THAN 100mm C/C (MIN.)
- * L_o SHALL BE - FLOOR HEIGHT/6
 - 450mm
 - LARGER DIMENSION OF COLUMNMAXIMUM SHALL BE CONSIDERED AS L_o



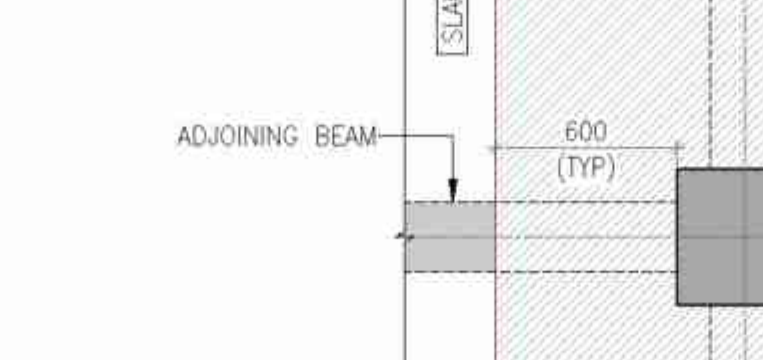
DETAIL 'A' (TYPICAL DETAILS OF OPEN LINKS)



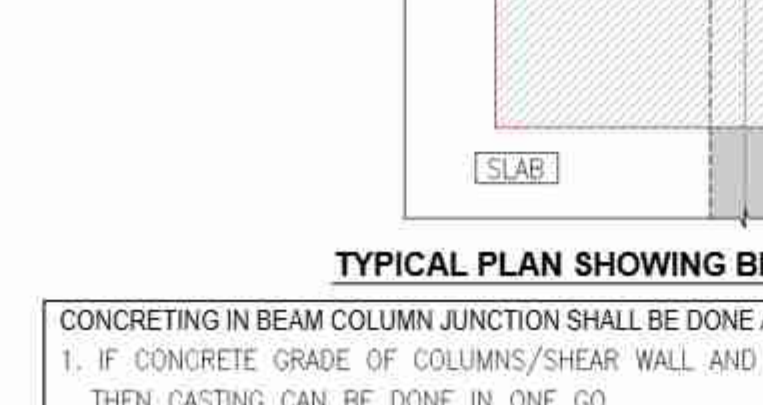
DETAIL 'B' (TYPICAL DETAILS OF 135° HOOK TO BE PROVIDED TO ALL RINGS)

TYPICAL COLUMN/SHEAR WALL ELEVATION SHOWING ARRANGEMENT SPLICING OF LONGITUDINAL BAR AS LAP SPLICE

- * SPECIFICATION OF MECHANICAL COUPLERS TO BE APPROVED BY DESIGN CONSULTANT.
- * ALL MECHANICAL COUPLERS SHALL BE IN COMPLIANCE WITH IS 16172



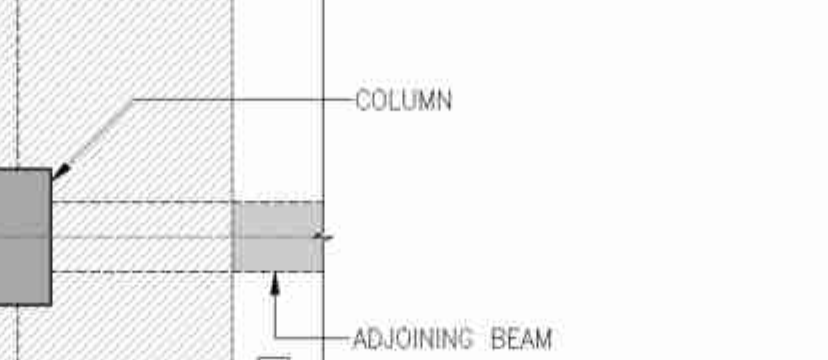
DETAIL 'A' (TYPICAL DETAILS OF OPEN LINKS)



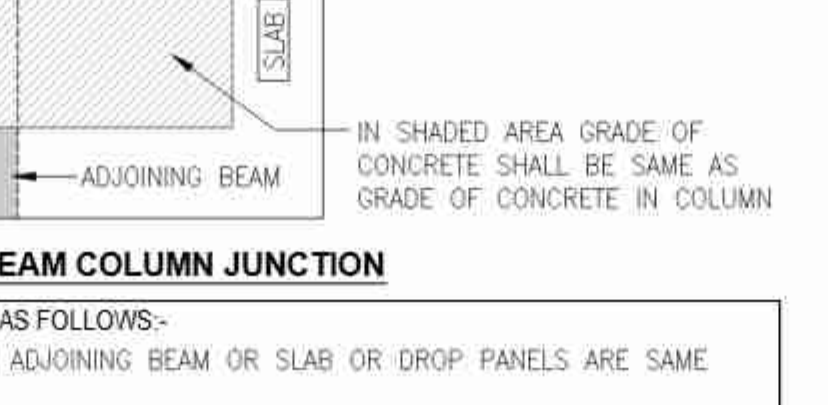
DETAIL 'B' (TYPICAL DETAILS OF 135° HOOK TO BE PROVIDED TO ALL RINGS)

TYPICAL COLUMN/SHEAR WALL ELEVATION SHOWING ARRANGEMENT SPLICING OF LONGITUDINAL BAR BY MECHANICAL COUPLERS

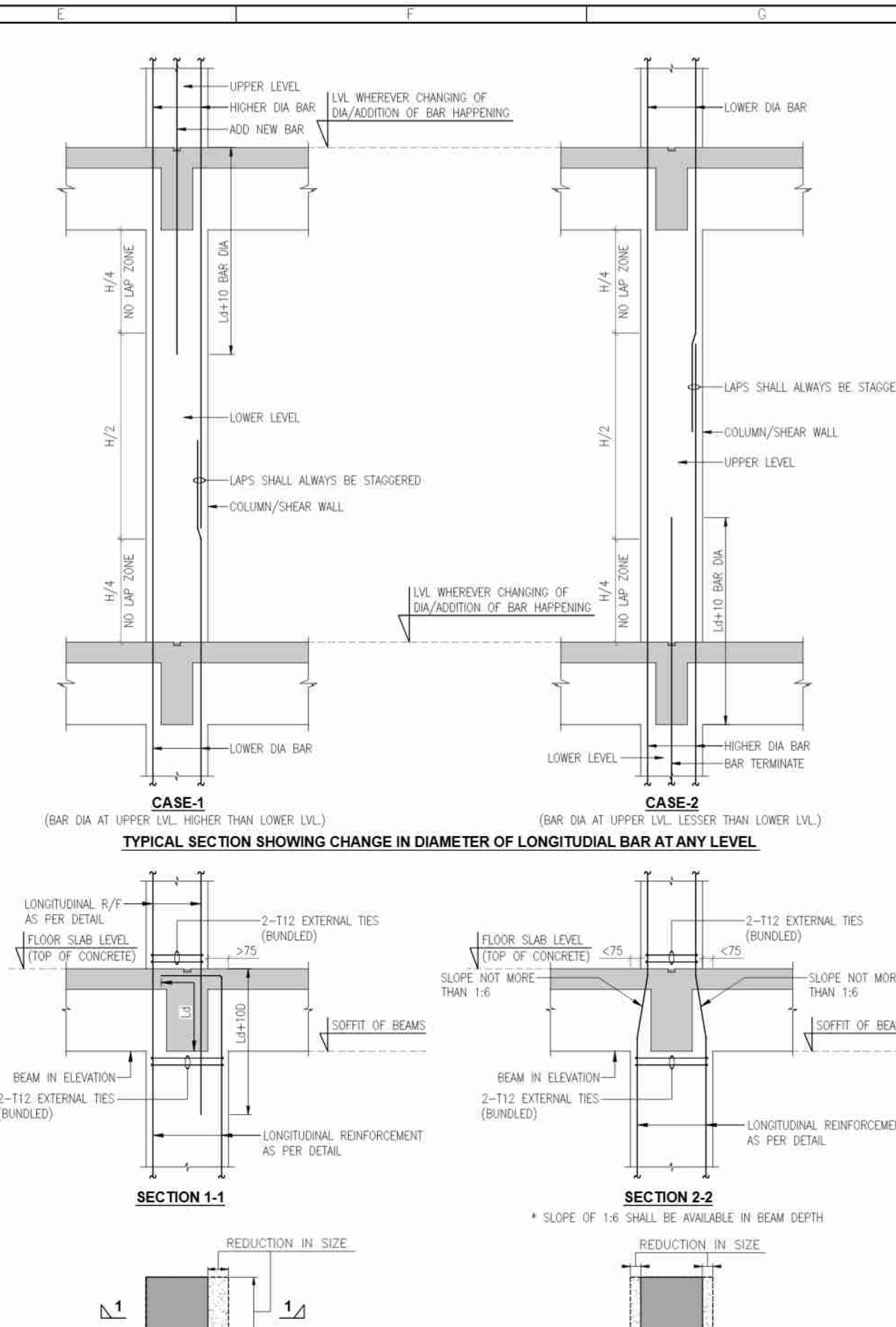
- * SPECIFICATION OF MECHANICAL COUPLERS TO BE APPROVED BY DESIGN CONSULTANT.
- * ALL MECHANICAL COUPLERS SHALL BE IN COMPLIANCE WITH IS 16172



DETAIL 'A' (TYPICAL DETAILS OF OPEN LINKS)

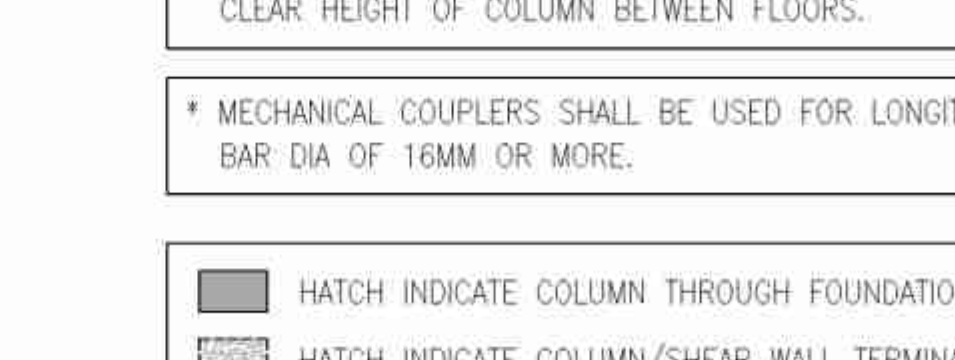


DETAIL 'B' (TYPICAL DETAILS OF 135° HOOK TO BE PROVIDED TO ALL RINGS)

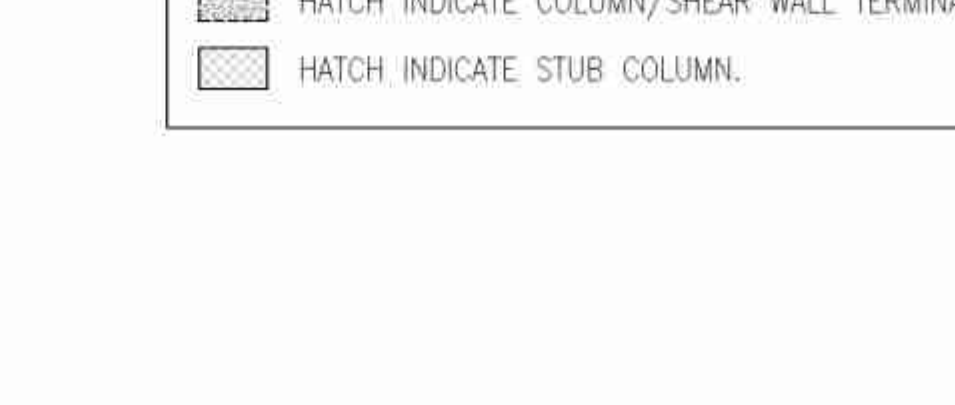


CASE-A TYPICAL DETAIL OF COLUMN/SHEAR WALL REDUCING IN SIZE (REDUCTION IN SIZE MORE THAN 75mm) (PLAN VIEW)

- * CONFINING REINFORCEMENT OF COLUMNS SUPPORTING STAIRCASE, MEZZANINE & RAMP SHALL BE GIVEN THROUGH OUT THE FLOOR HEIGHT.
- * HEIGHT OF ZONE 'A' IN CASE OF DOUBLE OR TRIPLE HEIGHT COLUMN SHALL BE CALCULATED AS PER CLEAR HEIGHT OF COLUMN BETWEEN FLOORS.
- * MECHANICAL COUPLERS SHALL BE USED FOR LONGITUDINAL BARS OF COLUMN/SHEAR WALLS HAVING BAR DIA OF 16MM OR MORE.



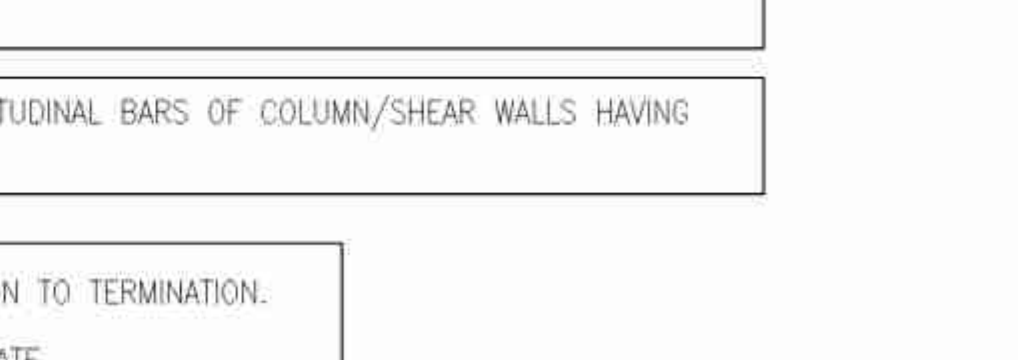
DETAIL 'A' (TYPICAL DETAILS OF OPEN LINKS)



DETAIL 'B' (TYPICAL DETAILS OF 135° HOOK TO BE PROVIDED TO ALL RINGS)

CASE-B TYPICAL DETAIL OF COLUMN/SHEAR WALL REDUCING IN SIZE (REDUCTION IN SIZE LESS THAN 75mm) (PLAN VIEW)

- * CONFINING REINFORCEMENT OF COLUMNS SUPPORTING STAIRCASE, MEZZANINE & RAMP SHALL BE GIVEN THROUGH OUT THE FLOOR HEIGHT.
- * HEIGHT OF ZONE 'A' IN CASE OF DOUBLE OR TRIPLE HEIGHT COLUMN SHALL BE CALCULATED AS PER CLEAR HEIGHT OF COLUMN BETWEEN FLOORS.
- * MECHANICAL COUPLERS SHALL BE USED FOR LONGITUDINAL BARS OF COLUMN/SHEAR WALLS HAVING BAR DIA OF 16MM OR MORE.



DETAIL 'A' (TYPICAL DETAILS OF OPEN LINKS)



DETAIL 'B' (TYPICAL DETAILS OF 135° HOOK TO BE PROVIDED TO ALL RINGS)

GENERAL INSTRUCTION & NOTES:-

- ALL DIMENSIONS SHOWN ARE IN MM. (UNLESS MENTIONED).
- FOLLOW WRITTEN DIMENSIONS ONLY. DO NOT MEASURE ANY DIMENSION.
- FE 500-D COMPLIANCE TO IS : 1786 (LATEST REVISION) SHALL BE USED FOR ALL REINFORCEMENT BARS.
- USE CONCRETE GRADE AS MENTIONED AT RESPECTIVE FLOOR LEVELS GIVEN IN TABULAR FORM. ALL CONCRETE GRADES SHALL BE COMPLIANCE TO IS : 456 (LATEST REVISION)
- CLEAR CONCRETE COVER SHALL BE 40mm FROM LATERAL TIES.
- FOR COLUMN/SHEAR WALL LAYOUT PLAN REFER DRAWING NO.-[5538-21-101A]
- FOR GENERAL NOTE REFER DWG. NO.-[5538-13-101A]
- CASTING OF COLUMNS/SHEAR WALLS SUPPORTING STAIRCASE, LOFT, INTERMEDIATE BEAMS, HANGERS, RAMP OR MEZZANINE FLOOR SHALL BE DONE ACCORDING TO LEVEL GIVEN IN RELEVANT STRUCTURAL AND ARCHITECTURAL DRAWINGS
- ALL LONGITUDINAL BARS OF COLUMN SHALL BE PLACED AT EQUAL SPACING (UNLESS MENTIONED).
- NOT MORE THAN 50% LONGITUDINAL BARS SHALL BE SPLICED AT ONE SECTION.
- CHANGE OF DIAMETER / SPLICING OF LONGITUDINAL BAR SHALL BE DONE IN LAP ZONE ONLY.
- FOR LINTELS RESTING ON COLUMN/SHEAR WALLS PROVIDE DOWEL BARS AS PER LINTEL R/F DETAILS.
- SHEAR KEY TO BE PROVIDED IN COLUMN / SHEAR WALL AT FLOOR LEVEL TO FACILITATE FURTHER CASTING.
- ALL COLUMN / SHEAR WALL SHALL BE CASTED TILL BEAM BOTTOM AS PER BEAM DEPTH RESTING ON COLUMN.
- CUT LENGTH OF ALL LONGITUDINAL BARS SHALL BE PLANNED IN SUCH A WAY THAT SPLICING OF BARS SHALL HAPPEN IN LAP ZONE ONLY.
- ERECTION OF COLUMN/SHEAR WALL SHALL BE DONE WHEN IMMEDIATELY HIGHER LEVEL FRAMING PLAN ARE AVAILABLE.
- ADDITIONAL REINFORCEMENT SHALL BE PROVIDED NEAR CUTOUTS/OPENING IN SHEAR WALL AS PER ISSUED DRAWING.

| | | |
|----------|----------------|------------|
| REV. NO. | DESCRIPTION | DATE |
| R0 | FOR SUBMISSION | 13.06.2023 |

PROJECT :-
PROPOSED STRUCTURAL DRAWINGS OF COMMERCIAL COLONY AREA MEASURING 3.9625 ACRES (LICENCE NO. 47, DATED 18/04/2022) IN SECTOR-89, GURUGRAM BEING DEVELOPED BY SMART ARENA HOMETOWN LLP IN COLLABORATION WITH PEERRAGE BUILDWELL PVT. LTD.

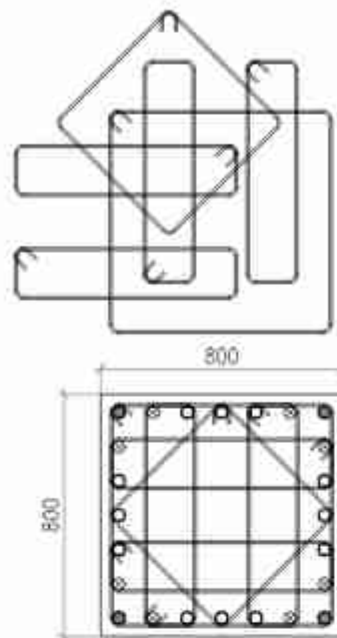
ARCHITECT :-
GIAN P. MATHUR AND ASSOCIATES (P) LTD.
C-55, East Of Kailash, New Delhi-110065
T: 46599599 | F: 46599512
E: info@gpmindia.com | W: www.gpmindia.com

| DRAWING TITLE | COLUMN REINF. SCHEDULE |
|--------------------------|------------------------|
| DRAWING NO. :- | 5 3 8 2 1 1 5 1 A |
| SCALE: | AS SHOWN |
| DATE: | 13.06.2023 |
| SHEET NO. :- | 01 OF 01 |
| DRAWN BY: | HK |
| DESIGNED BY: | SJ |
| APPROVED BY: | AGU |
| STATUS :- FOR SUBMISSION | REVISION NO. :- R0 |

GENERAL INSTRUCTION & NOTES:-

1. ALL DIMENSIONS SHOWN ARE IN MM. (UNLESS MENTIONED).
2. ALWAYS FOLLOW WRITTEN DIMENSIONS ONLY. DO NOT MEASURE ANY DIMENSION.
3. FOR BALANCE NOTES REFER DRAWING NO.:- 5538-21-151A

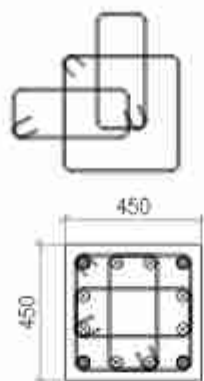
| NUMBER OF BARS | 4 NOS | 8 NOS | 12 NOS |
|----------------|-------|-------|--------|
| BAR TYPE | ● | ⊗ | ○ |



| LATERAL TIES REINFORCEMENT | |
|----------------------------|--------------------|
| ZONE | CONCRETE GRADE M40 |
| ZONE-A | T10 @100c/c |
| ZONE-B | T8 @200c/c |

TYPE-1

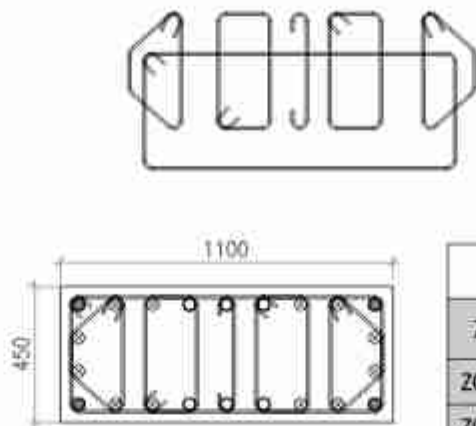
| NUMBER OF BARS | 4 NOS | 8 NOS | --- |
|----------------|-------|-------|-----|
| BAR TYPE | ● | ⊗ | ○ |



| LATERAL TIES REINFORCEMENT | |
|----------------------------|--------------------|
| ZONE | CONCRETE GRADE M40 |
| ZONE-A | T10 @100c/c |
| ZONE-B | T8 @200c/c |

TYPE-2

| NUMBER OF BARS | 4 NOS | 12 NOS | 6 NOS |
|----------------|-------|--------|-------|
| BAR TYPE | ● | ⊗ | ○ |

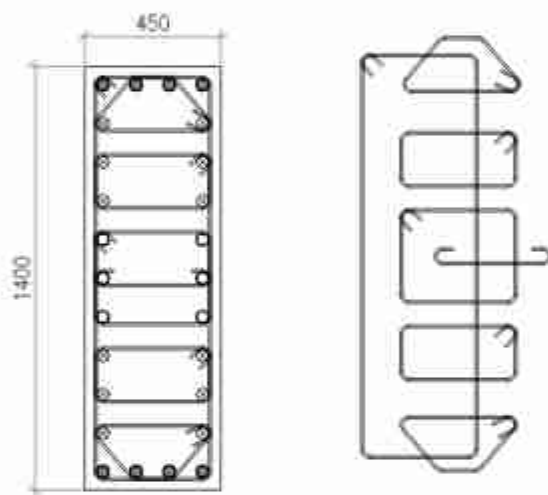


| LATERAL TIES REINFORCEMENT | |
|----------------------------|--------------------|
| ZONE | CONCRETE GRADE M40 |
| ZONE-A | T10 @100c/c |
| ZONE-B | T8 @200c/c |

TYPE-3

| NUMBER OF BARS | 8 NOS | 12 NOS | 6 NOS |
|----------------|-------|--------|-------|
| BAR TYPE | ● | ⊗ | ○ |

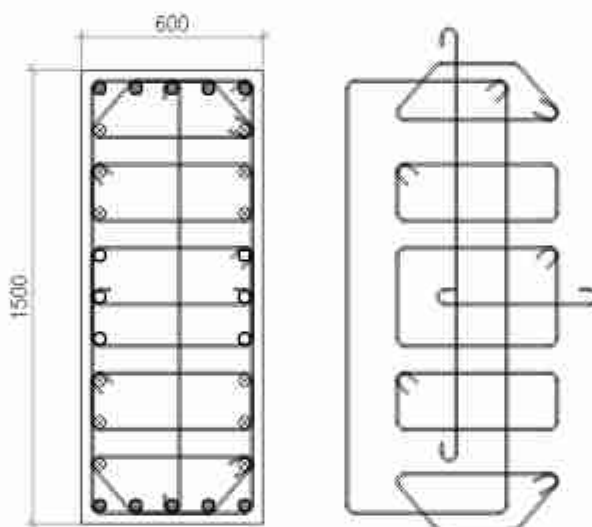
| LATERAL TIES REINFORCEMENT | |
|----------------------------|--------------------|
| ZONE | CONCRETE GRADE M40 |
| ZONE-A | T10 @100c/c |
| ZONE-B | T8 @200c/c |



TYPE-4

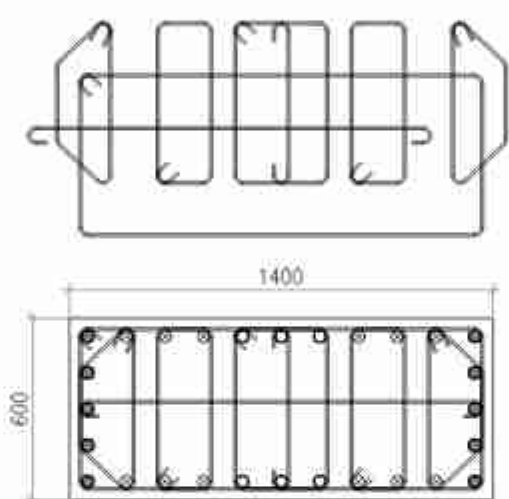
| NUMBER OF BARS | 12 NOS | 12 NOS | 6 NOS |
|----------------|--------|--------|-------|
| BAR TYPE | ● | ⊗ | ○ |

| LATERAL TIES REINFORCEMENT | |
|----------------------------|--------------------|
| ZONE | CONCRETE GRADE M40 |
| ZONE-A | T10 @100c/c |
| ZONE-B | T8 @200c/c |



TYPE-5

| NUMBER OF BARS | 12 NOS | 12 NOS | 6 NOS |
|----------------|--------|--------|-------|
| BAR TYPE | ● | ⊗ | ○ |



| LATERAL TIES REINFORCEMENT | |
|----------------------------|--------------------|
| ZONE | CONCRETE GRADE M40 |
| ZONE-A | T10 @100c/c |
| ZONE-B | T8 @200c/c |

TYPE-6

COLUMN REINFORCEMENT SCHEDULE :-

| TERMINATION LVL TO | ● | T16 | 4 NO. | ⊗ | T20 | 4 NO. | ● | T20 | 4 NO. | ⊗ | T20 | 8 NO. | ● | T20 | 12 NO. | ⊗ | T20 | 12 NO. | ● | T20 | 12 NO. |
|------------------------------|---------------------|-----|--------|---------------------|-----|--------|---------------------|-----|--------|---------------------|-----|--------|---------------------|-----|--------|---------------------|-----|--------|------|-----|--------|
| FOURTH FLOOR | ⊗ | T16 | 8 NO. | ⊗ | T20 | 8 NO. | ⊗ | T20 | 12 NO. | ⊗ | T20 | 12 NO. | ⊗ | T20 | 12 NO. | ⊗ | T20 | 12 NO. | ⊗ | T20 | 12 NO. |
| CONCRETE GRADE M40 | ○ | T16 | 12 NO. | ○ | --- | --- | ○ | T16 | 6 NO. | ○ | T20 | 6 NO. | ○ | T20 | 6 NO. | ○ | T20 | 6 NO. | ○ | T20 | 6 NO. |
| FOURTH FLOOR TO THIRD FLOOR | ● | T16 | 4 NO. | ● | T20 | 4 NO. | ● | T20 | 4 NO. | ● | T20 | 8 NO. | ● | T20 | 12 NO. | ● | T20 | 12 NO. | ● | T20 | 12 NO. |
| CONCRETE GRADE M40 | ⊗ | T16 | 8 NO. | ⊗ | T20 | 8 NO. | ⊗ | T20 | 12 NO. | ⊗ | T20 | 12 NO. | ⊗ | T20 | 12 NO. | ⊗ | T20 | 12 NO. | ⊗ | T20 | 12 NO. |
| THIRD FLOOR TO SECOND FLOOR | ○ | T16 | 12 NO. | ○ | --- | --- | ○ | T16 | 6 NO. | ○ | T20 | 6 NO. | ○ | T20 | 6 NO. | ○ | T20 | 6 NO. | ○ | T20 | 6 NO. |
| CONCRETE GRADE M40 | ● | T16 | 4 NO. | ● | T25 | 4 NO. | ● | T20 | 4 NO. | ● | T25 | 8 NO. | ● | T25 | 12 NO. | ● | T25 | 12 NO. | ● | T25 | 12 NO. |
| SECOND FLOOR TO FIRST FLOOR | ⊗ | T16 | 8 NO. | ⊗ | T20 | 8 NO. | ⊗ | T20 | 12 NO. | ⊗ | T25 | 12 NO. | ⊗ | T25 | 12 NO. | ⊗ | T25 | 12 NO. | ⊗ | T25 | 12 NO. |
| CONCRETE GRADE M40 | ○ | T16 | 12 NO. | ○ | --- | --- | ○ | T16 | 6 NO. | ○ | T20 | 6 NO. | ○ | T20 | 6 NO. | ○ | T20 | 6 NO. | ○ | T20 | 6 NO. |
| FIRST FLOOR TO GROUND FLOOR | ● | T16 | 4 NO. | ● | T25 | 4 NO. | ● | T20 | 4 NO. | ● | T25 | 8 NO. | ● | T25 | 12 NO. | ● | T25 | 12 NO. | ● | T25 | 12 NO. |
| CONCRETE GRADE M40 | ⊗ | T16 | 8 NO. | ⊗ | T25 | 8 NO. | ⊗ | T20 | 12 NO. | ⊗ | T25 | 12 NO. | ⊗ | T25 | 12 NO. | ⊗ | T25 | 12 NO. | ⊗ | T25 | 12 NO. |
| GROUND FLOOR TO LOWER GROUND | ○ | T16 | 12 NO. | ○ | --- | --- | ○ | T16 | 6 NO. | ○ | T25 | 6 NO. | ○ | T25 | 6 NO. | ○ | T25 | 6 NO. | ○ | T25 | 6 NO. |
| CONCRETE GRADE M40 | ● | T16 | 4 NO. | ● | T25 | 4 NO. | ● | T20 | 4 NO. | ● | T32 | 8 NO. | ● | T32 | 12 NO. | ● | T32 | 12 NO. | ● | T32 | 12 NO. |
| LOWER GROUND TO BASEMENT-01 | ⊗ | T16 | 8 NO. | ⊗ | T25 | 8 NO. | ⊗ | T20 | 12 NO. | ⊗ | T25 | 12 NO. | ⊗ | T25 | 12 NO. | ⊗ | T25 | 12 NO. | ⊗ | T25 | 12 NO. |
| CONCRETE GRADE M40 | ○ | T16 | 12 NO. | ○ | --- | --- | ○ | T16 | 6 NO. | ○ | T25 | 6 NO. | ○ | T25 | 6 NO. | ○ | T25 | 6 NO. | ○ | T25 | 6 NO. |
| BASEMENT-01 TO FOUNDATION | ● | T16 | 4 NO. | ● | T25 | 4 NO. | ● | T20 | 4 NO. | ● | T32 | 8 NO. | ● | T32 | 12 NO. | ● | T32 | 12 NO. | ● | T32 | 12 NO. |
| CONCRETE GRADE M40 | ⊗ | T16 | 8 NO. | ⊗ | T25 | 8 NO. | ⊗ | T20 | 12 NO. | ⊗ | T25 | 12 NO. | ⊗ | T25 | 12 NO. | ⊗ | T25 | 12 NO. | ⊗ | T25 | 12 NO. |
| CONCRETE GRADE M40 | ○ | T16 | 12 NO. | ○ | --- | --- | ○ | T16 | 6 NO. | ○ | T25 | 6 NO. | ○ | T25 | 6 NO. | ○ | T25 | 6 NO. | ○ | T25 | 6 NO. |
| COLUMN NO. | TYPE | DIA | NUMBER | TYPE | DIA | NUMBER | TYPE | DIA | NUMBER | TYPE | DIA | NUMBER | TYPE | DIA | NUMBER | TYPE | DIA | NUMBER | TYPE | DIA | NUMBER |
| | C1 - REFER TYPE - 1 | | | C2 - REFER TYPE - 2 | | | C3 - REFER TYPE - 3 | | | C4 - REFER TYPE - 4 | | | C5 - REFER TYPE - 5 | | | C6 - REFER TYPE - 6 | | | | | |

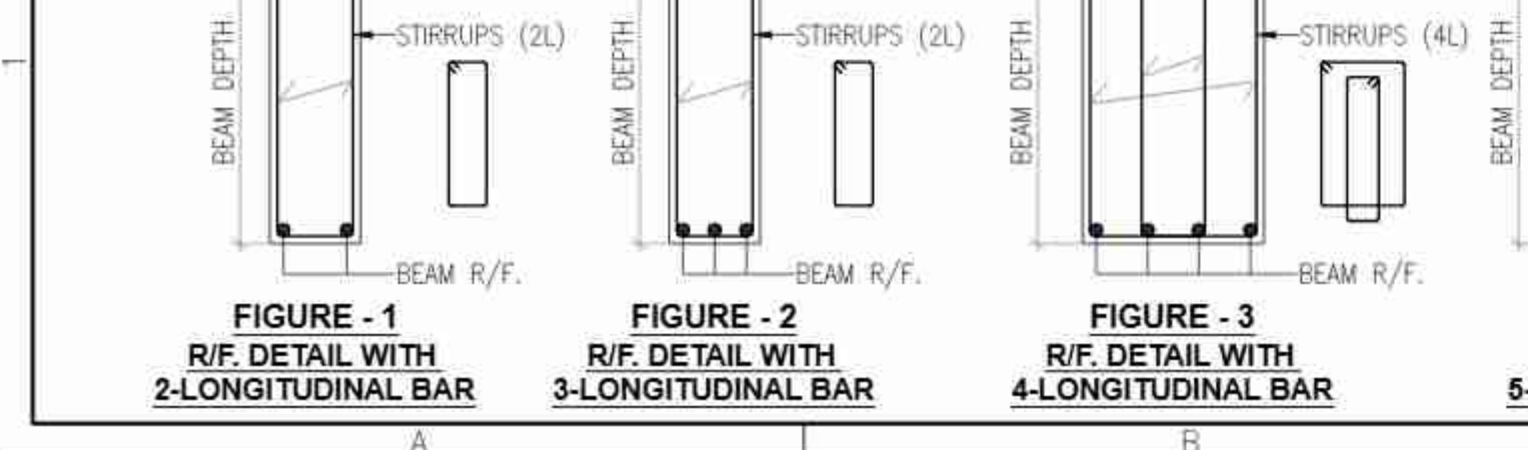
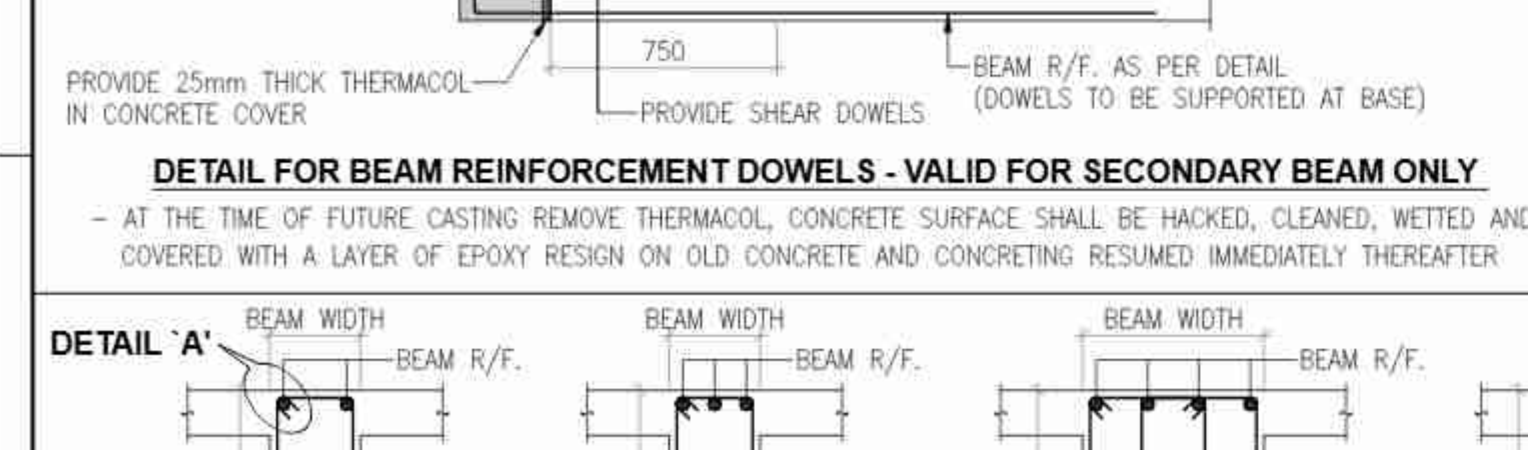
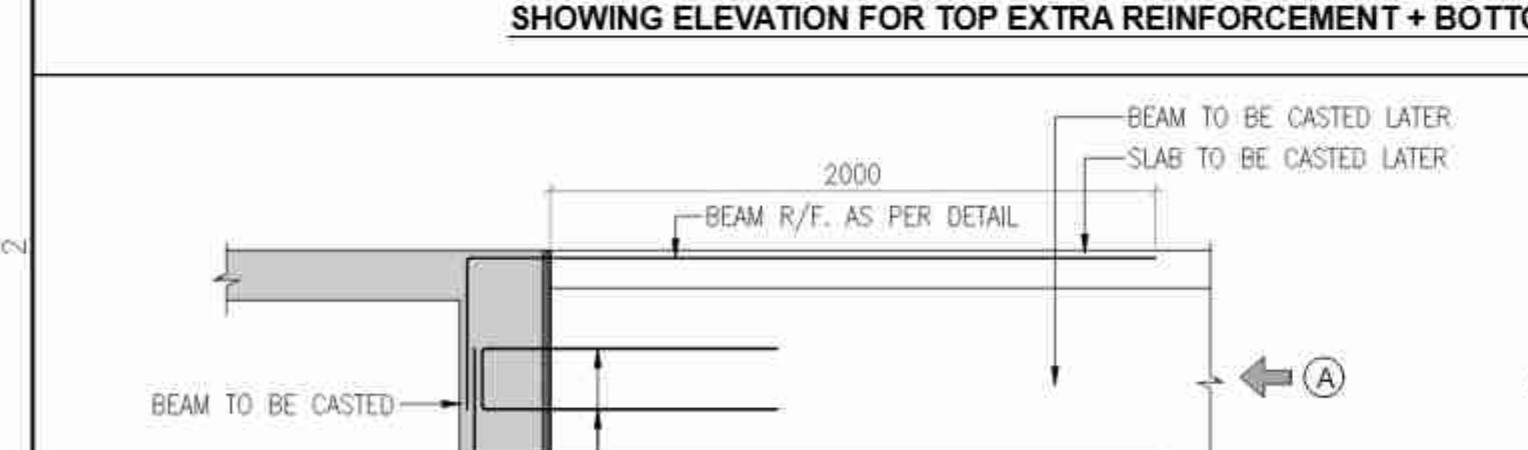
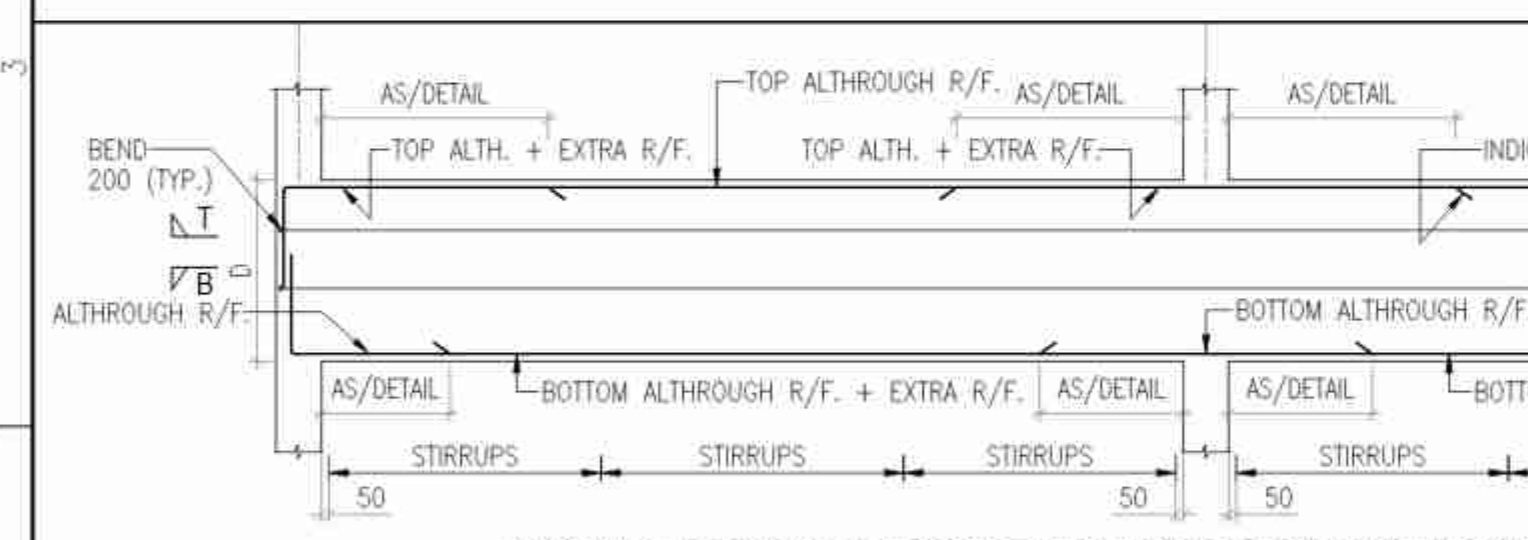
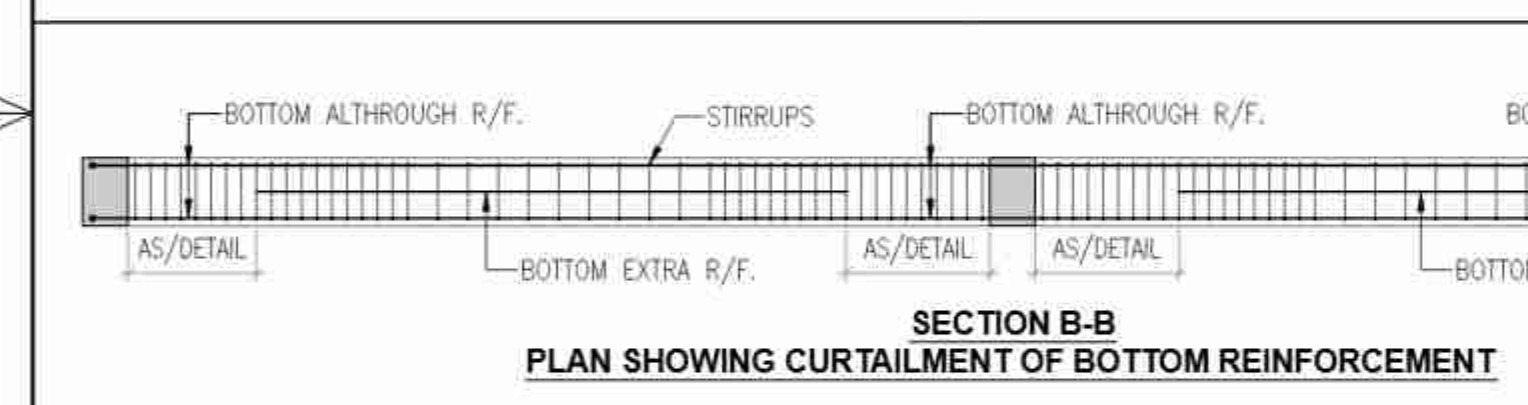
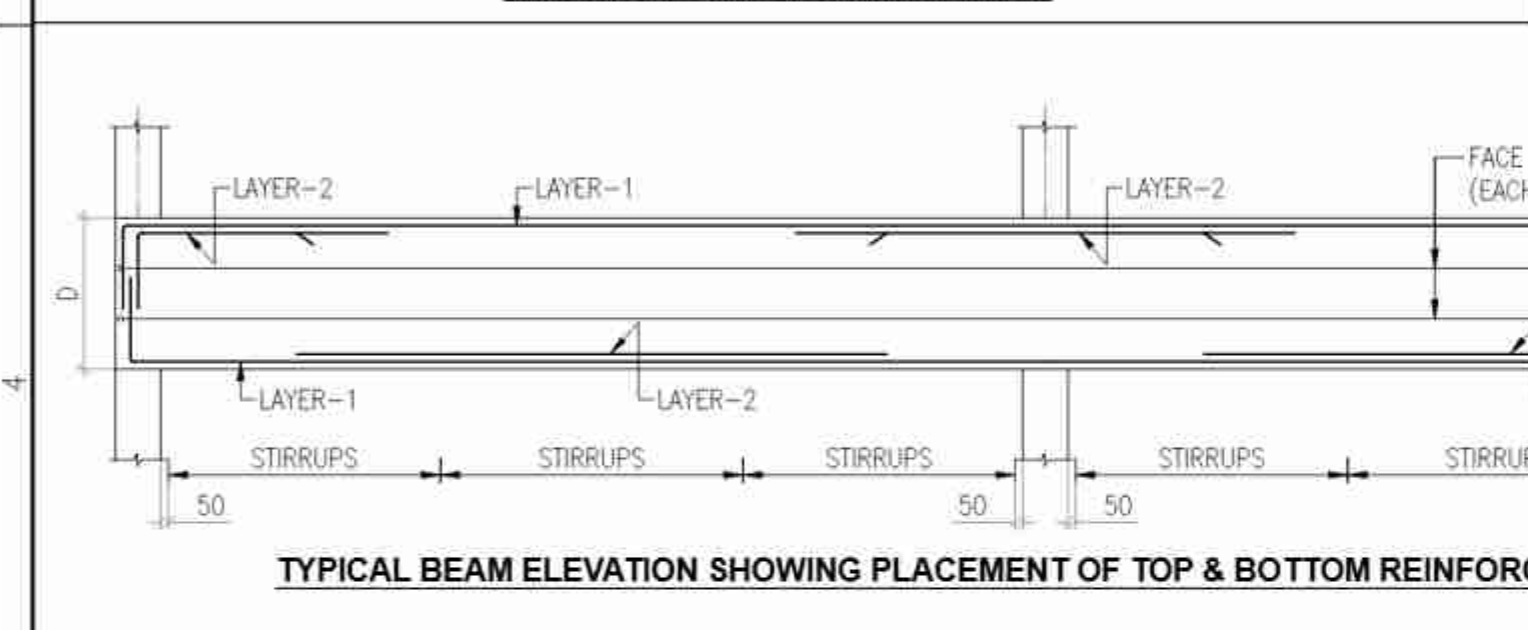
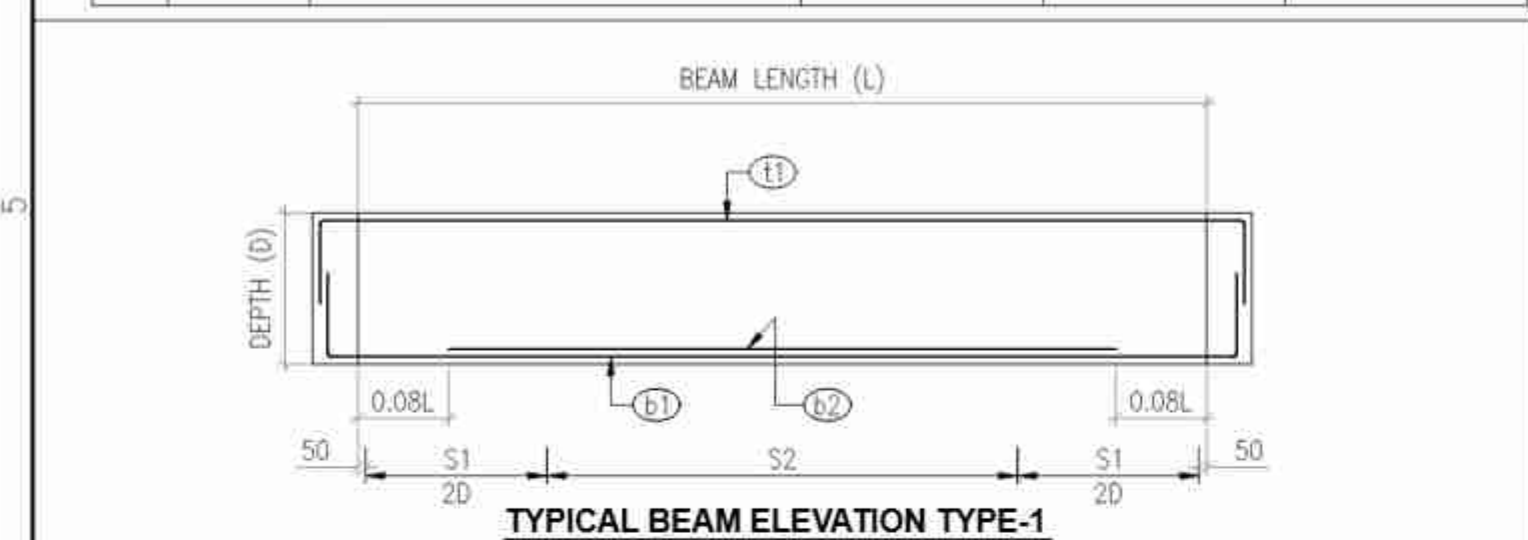
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| REV. NO. | FOR SUBMISSION | 13.06.2023 |
| REV. NO. | DESCRIPTION | DATE |

PROJECT :-
PROPOSED STRUCTURAL DRAWINGS OF COMMERCIAL COLONY AREA MEASURING 3.9625 ACRES (LICENCE NO. 47, DATED 18/04/2022) IN SECTOR-89, GURUGRAM BEING DEVELOPED BY SMART ARENA HOMETOWN LLP IN COLLABORATION WITH PEERRAGE BUILDWELL PVT. LTD.

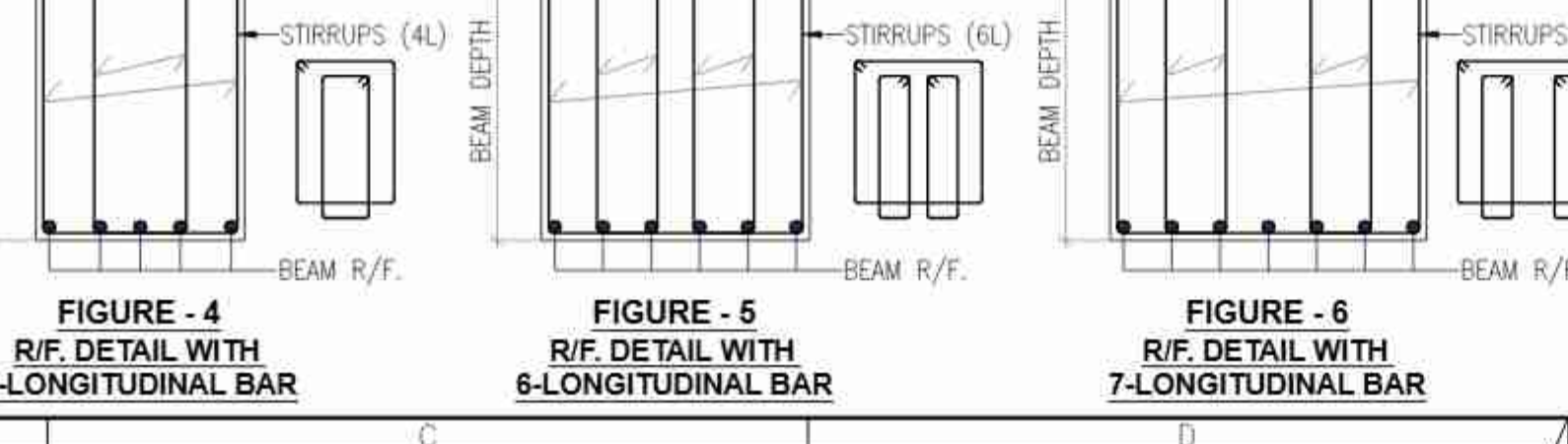
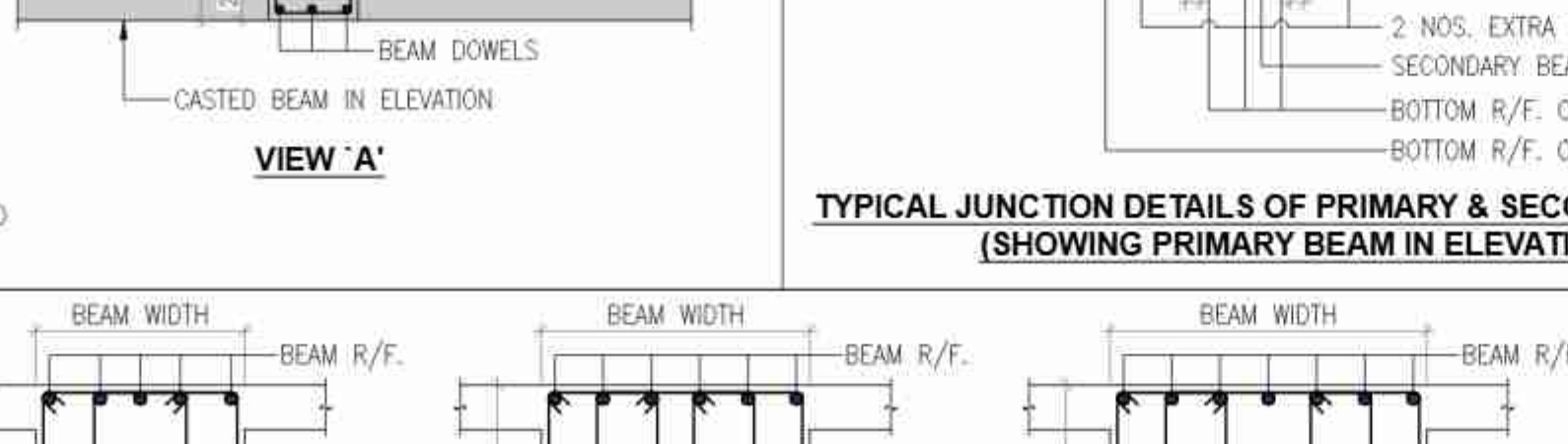
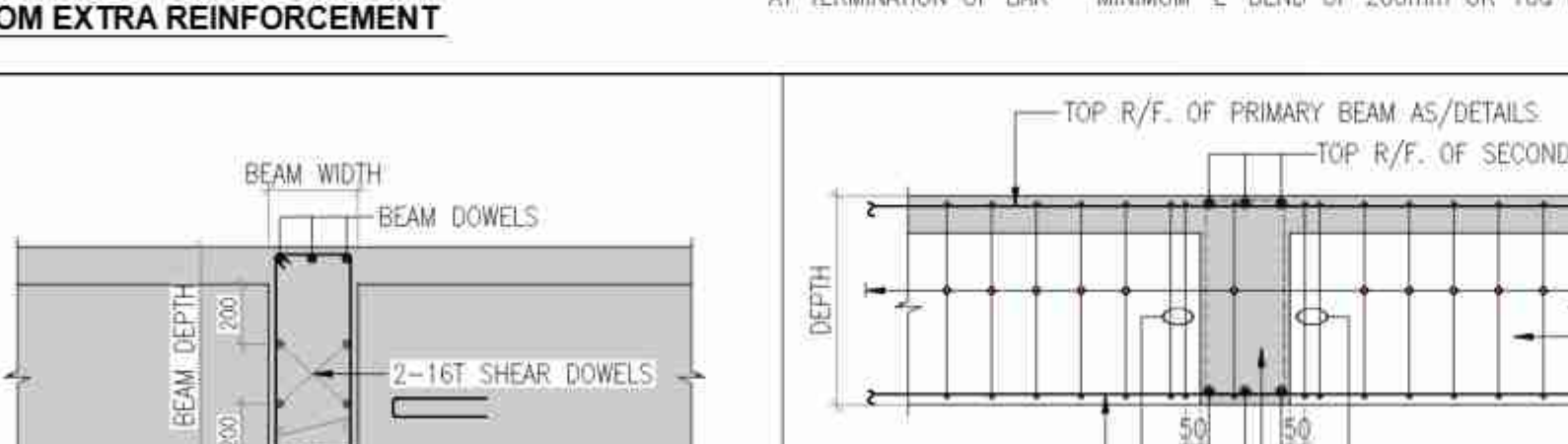
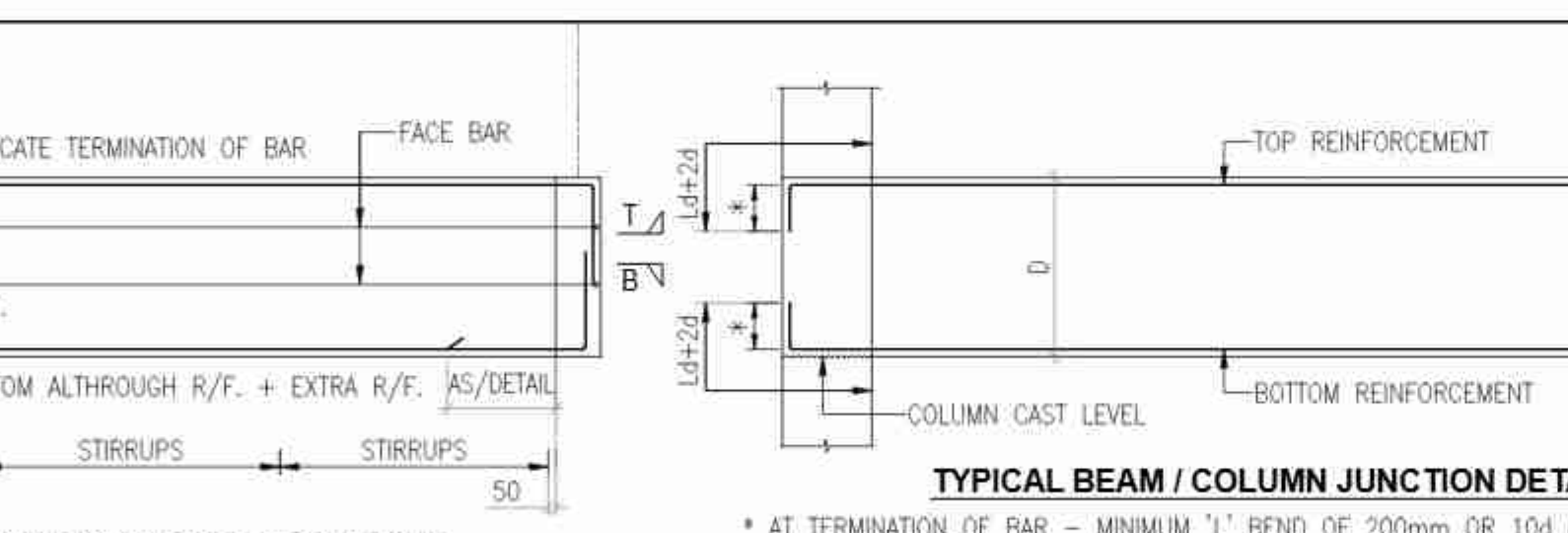
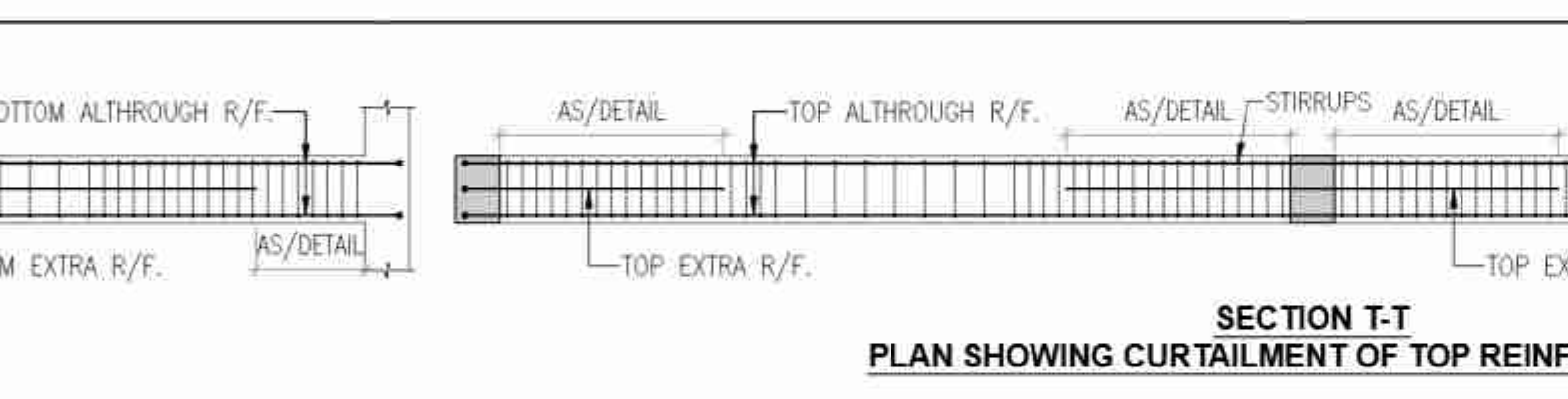
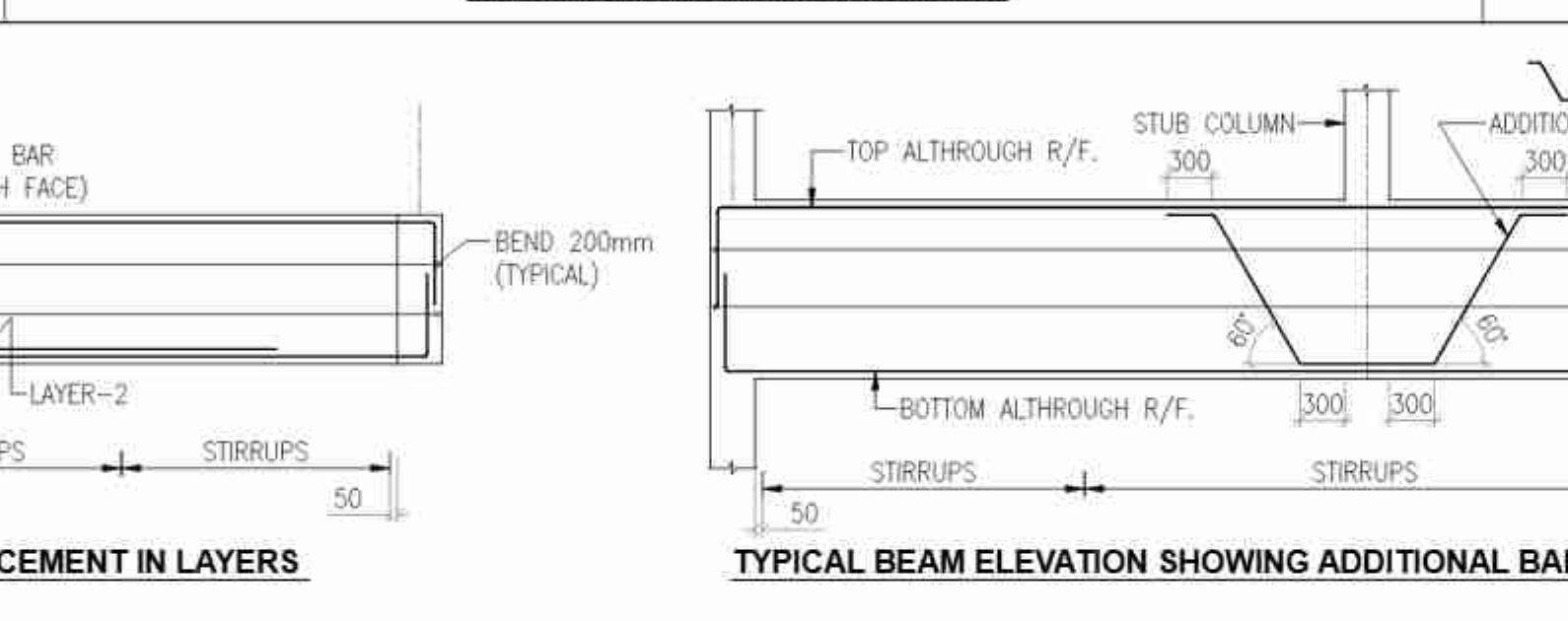
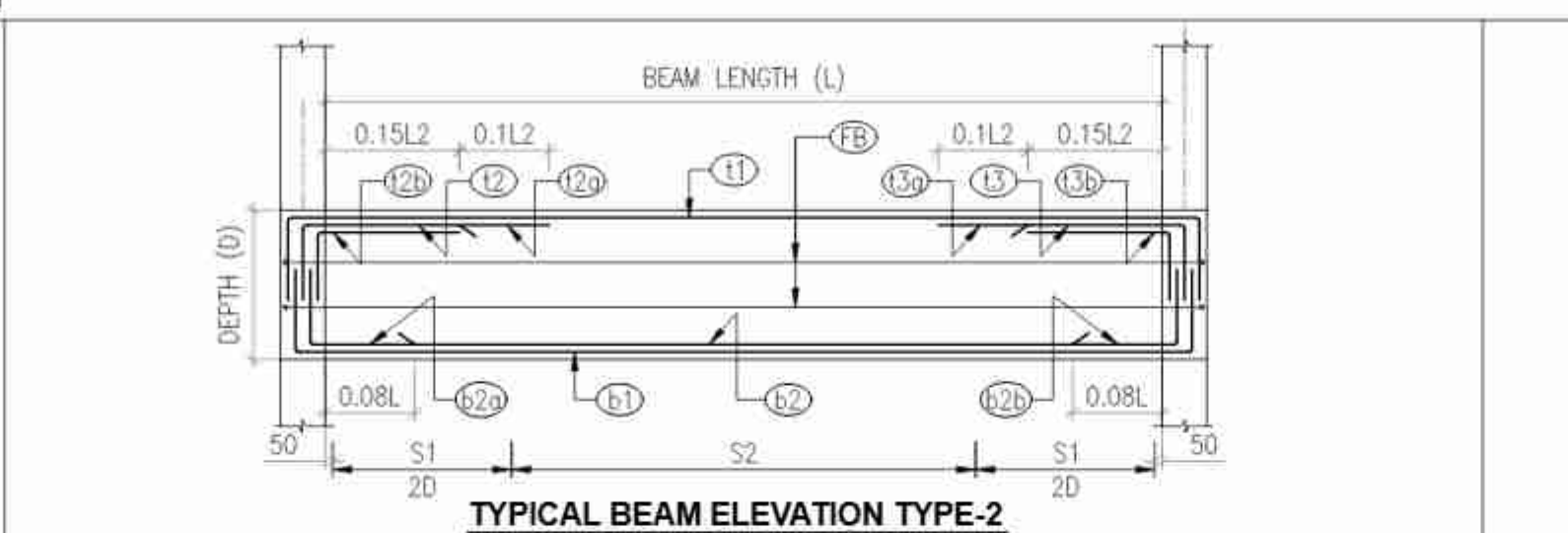
ARCHITECT :-
GIAN P. MATHUR AND ASSOCIATES (P) LTD.
C-55, East Of Kailash, New Delhi-110065
T:- 46599599 | F 46599512
E:- info@gpmindia.com | W:- www.gpmindia.com

| DRAWING TITLE | COLUMN R/F SCHEDULE |
|--------------------------|---------------------|
| DRAWING NO. :- | 553821151B |
| SCALE: AS SHOWN | DATE: 13.06.2023 |
| DRAWN BY: HK | DESIGNED BY: SJ |
| STATUS :- FOR SUBMISSION | REVISION NO. :- |

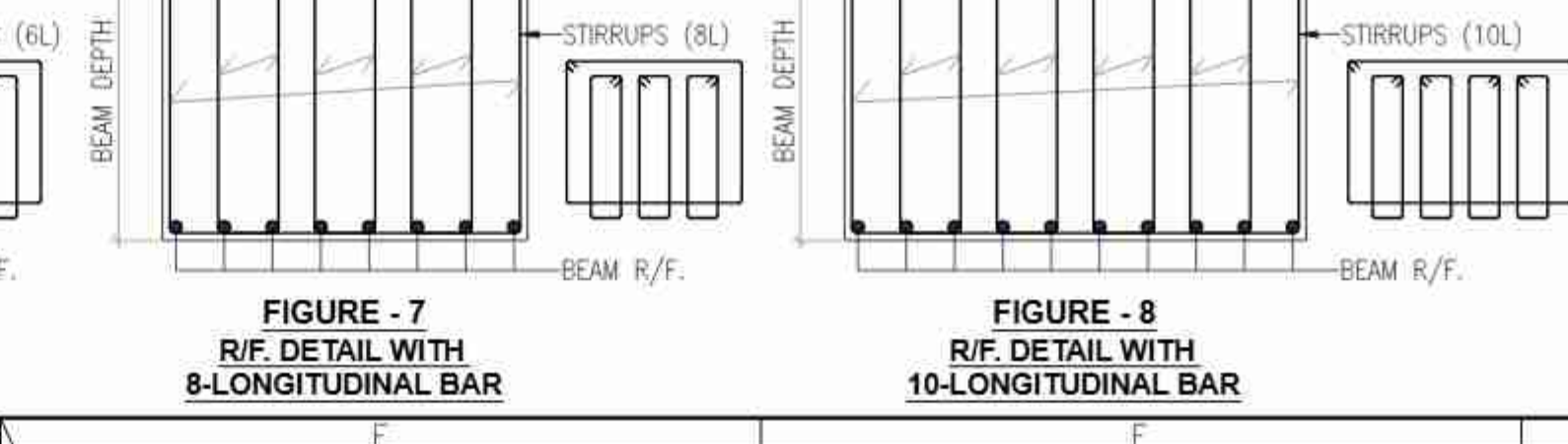
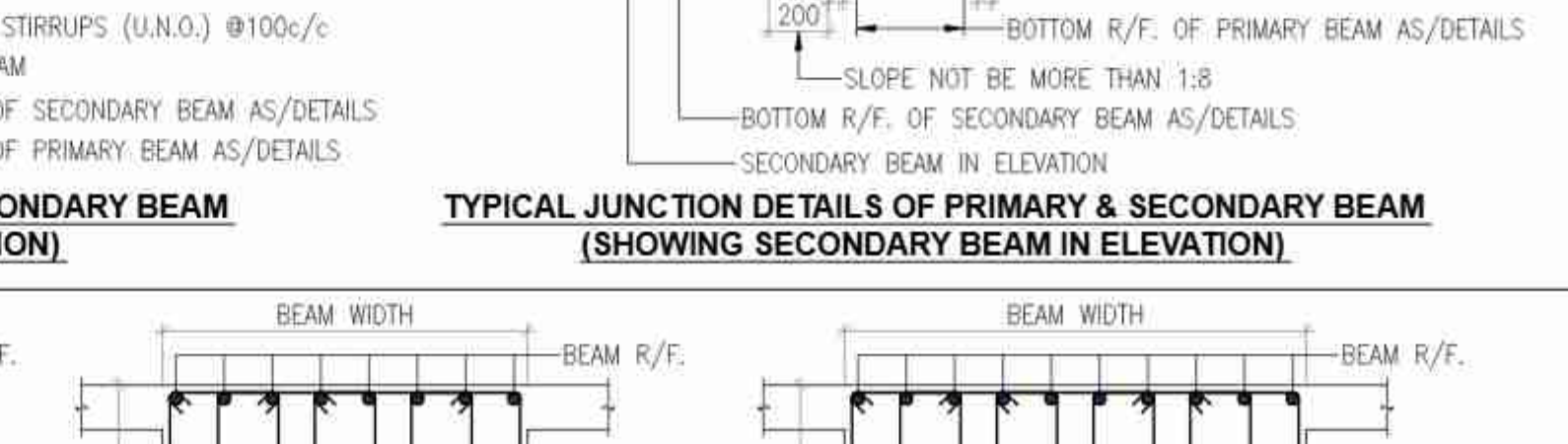
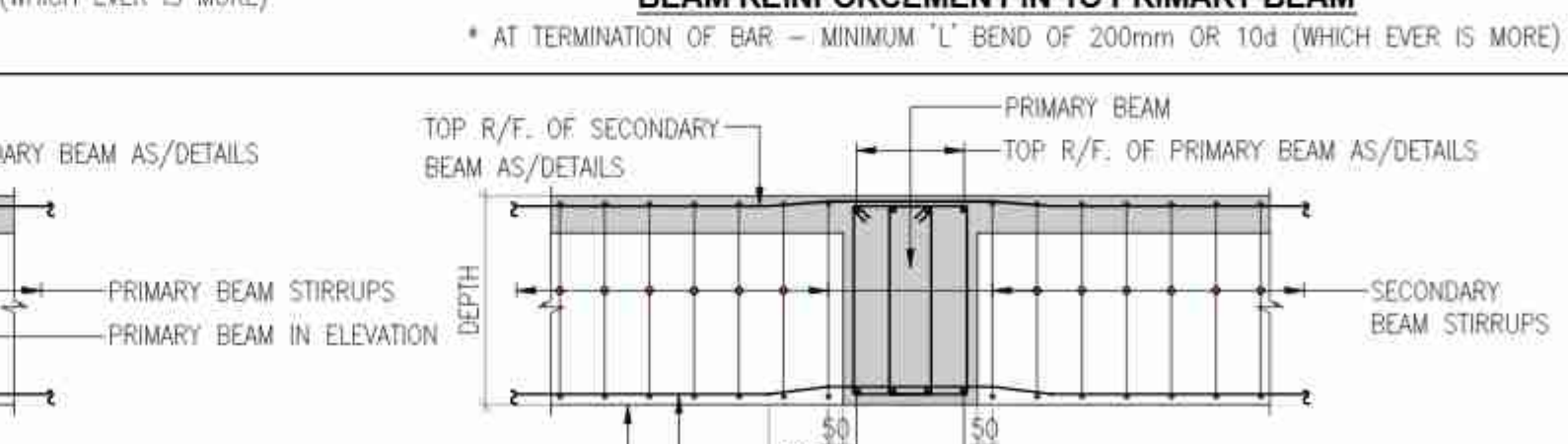
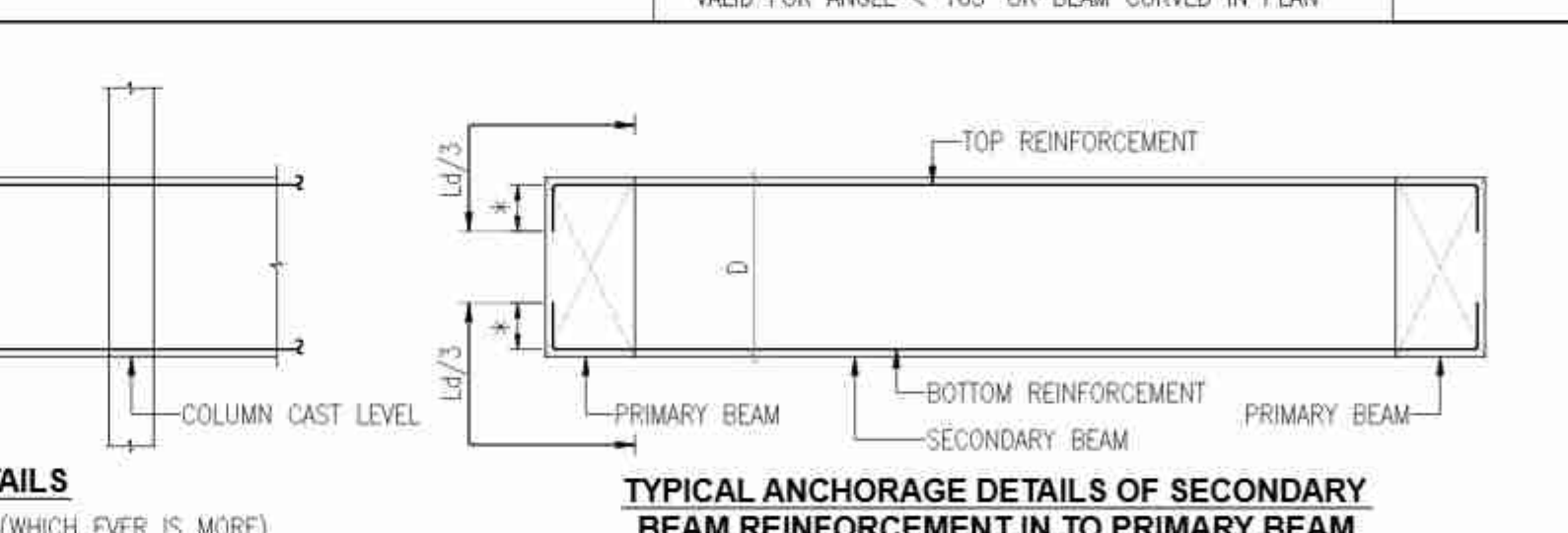
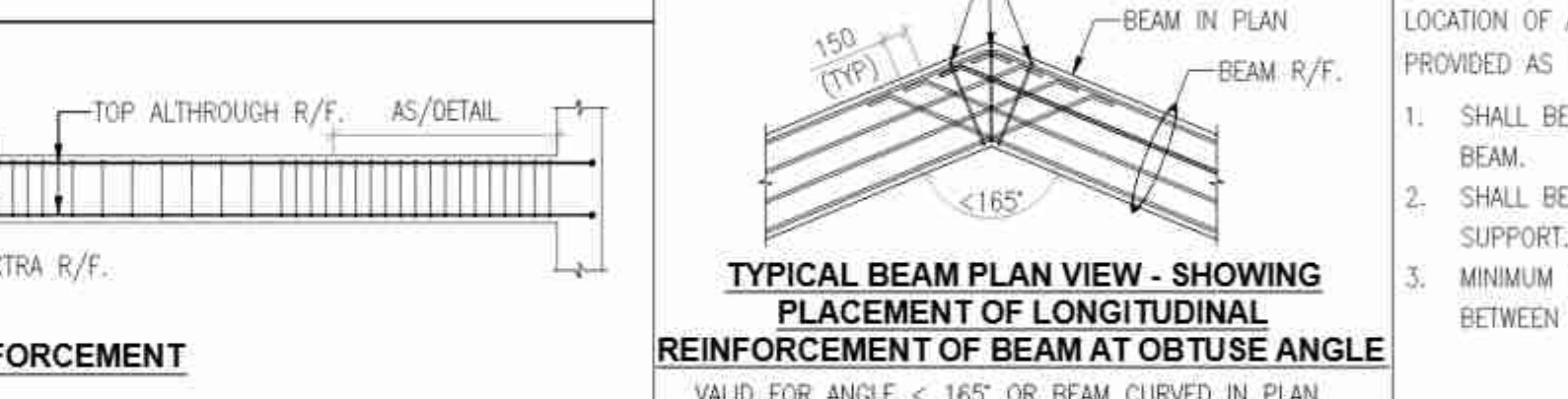
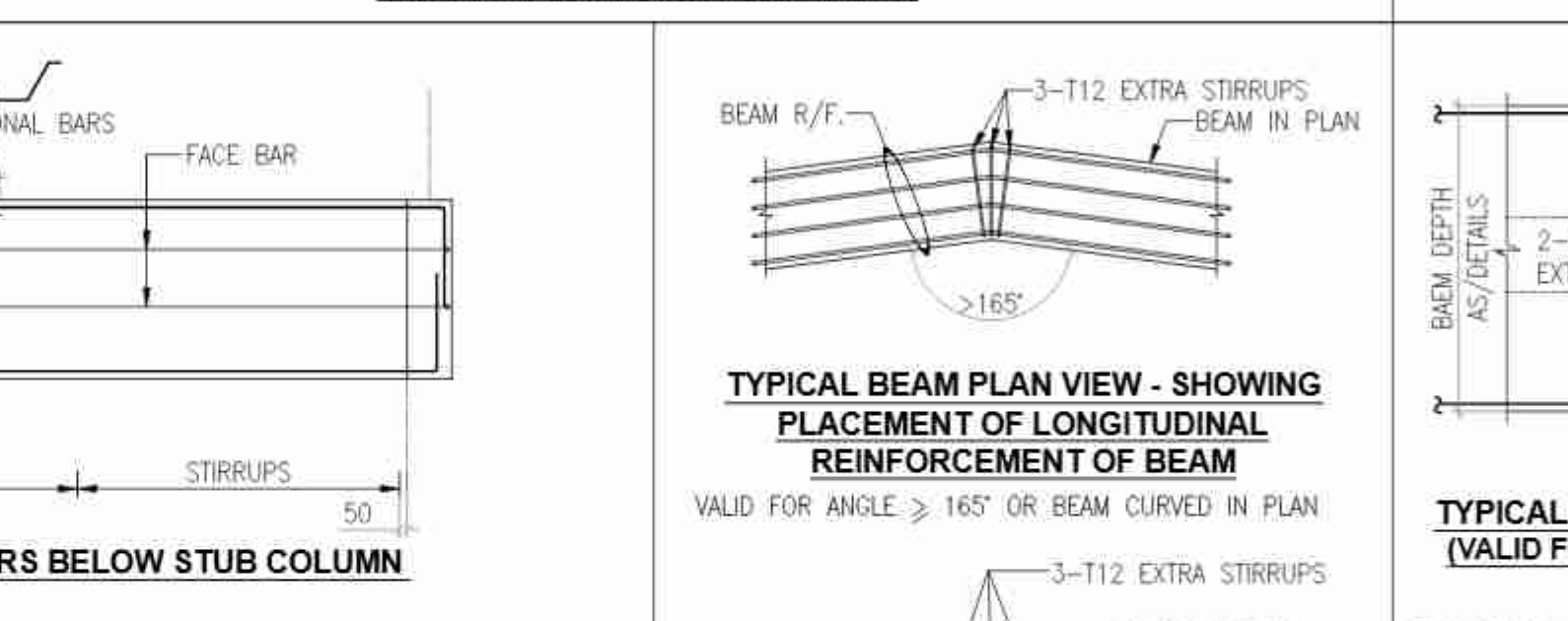
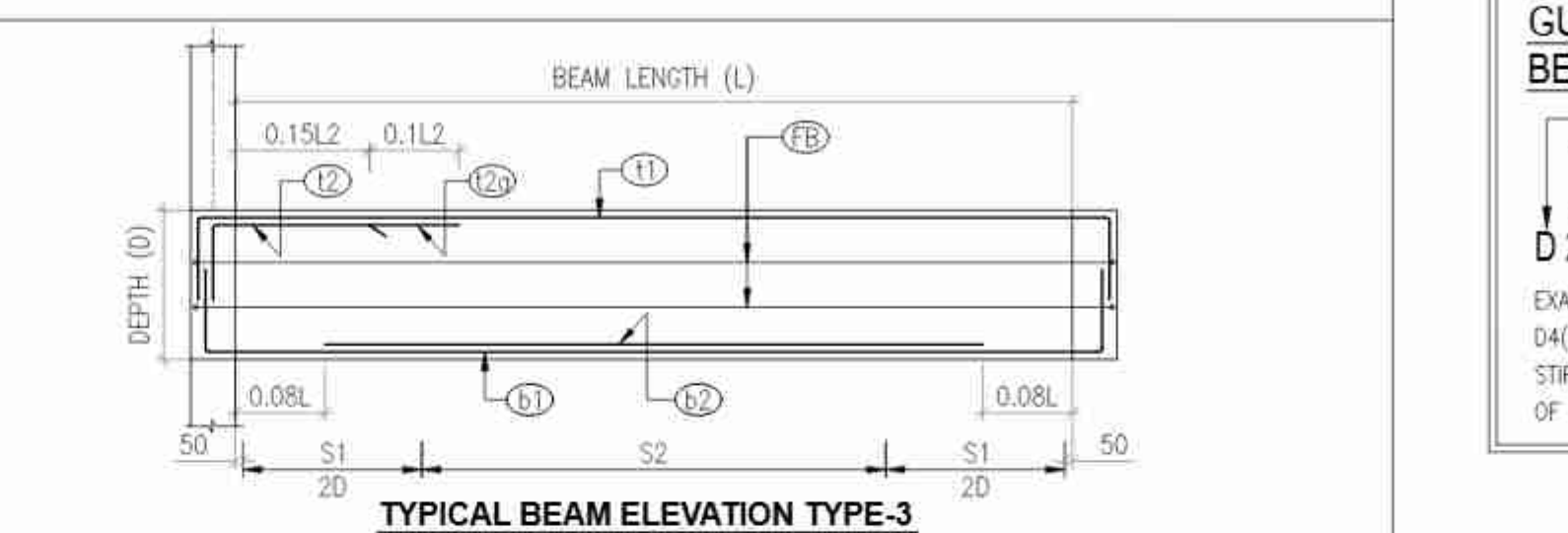
| BEAM REINFORCEMENT SCHEDULE | | A | B | C |
|-----------------------------|----------------------------------|----------------|----------------|----------------|
| BEAM NUMBER | | B1(300x600) | B2(300x600) | B3(300x600) |
| BEAM TYPE | | TYPE-1 | TYPE-2 | TYPE-3 |
| MARK | DESCRIPTION | REINFORCEMENT | REINFORCEMENT | REINFORCEMENT |
| t1 | TOP ALL THROUGH REINFORCEMENT | 3-T16 | 3-T16 | 3-T16 |
| t2 | TOP EXTRA REINFORCEMENT | --- | 3-T12 | 3-T12 |
| t2a | TOP EXTRA REINFORCEMENT | --- | 1-T12 | 1-T12 |
| t2b | TOP EXTRA REINFORCEMENT | --- | 3-T12 | --- |
| t3 | TOP EXTRA REINFORCEMENT | --- | 3-T12 | --- |
| t3a | TOP EXTRA REINFORCEMENT | --- | 1-T12 | --- |
| t3b | TOP EXTRA REINFORCEMENT | --- | 3-T12 | --- |
| b1 | BOTTOM ALL THROUGH REINFORCEMENT | 3-T12 | 3-T12 | 3-T12 |
| b2 | BOTTOM EXTRA REINFORCEMENT | 3-T12 | 3-T12 | 3-T12 |
| b2a | BOTTOM EXTRA REINFORCEMENT | --- | 1-T12 | --- |
| b2b | BOTTOM EXTRA REINFORCEMENT | --- | 1-T12 | --- |
| S1 | STIRRUPS | T10(2L)@100c/c | T10(2L)@100c/c | T10(2L)@100c/c |
| S2 | STIRRUPS | T10(2L)@150c/c | T10(2L)@150c/c | T10(2L)@150c/c |
| FB | FACE BAR | --- | --- | --- |



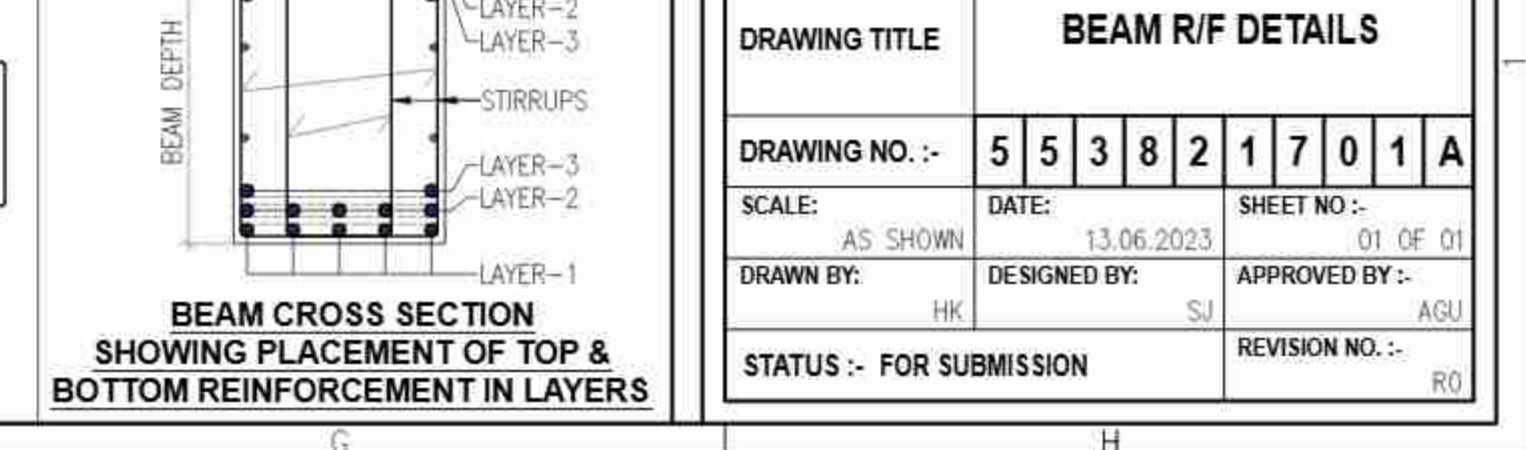
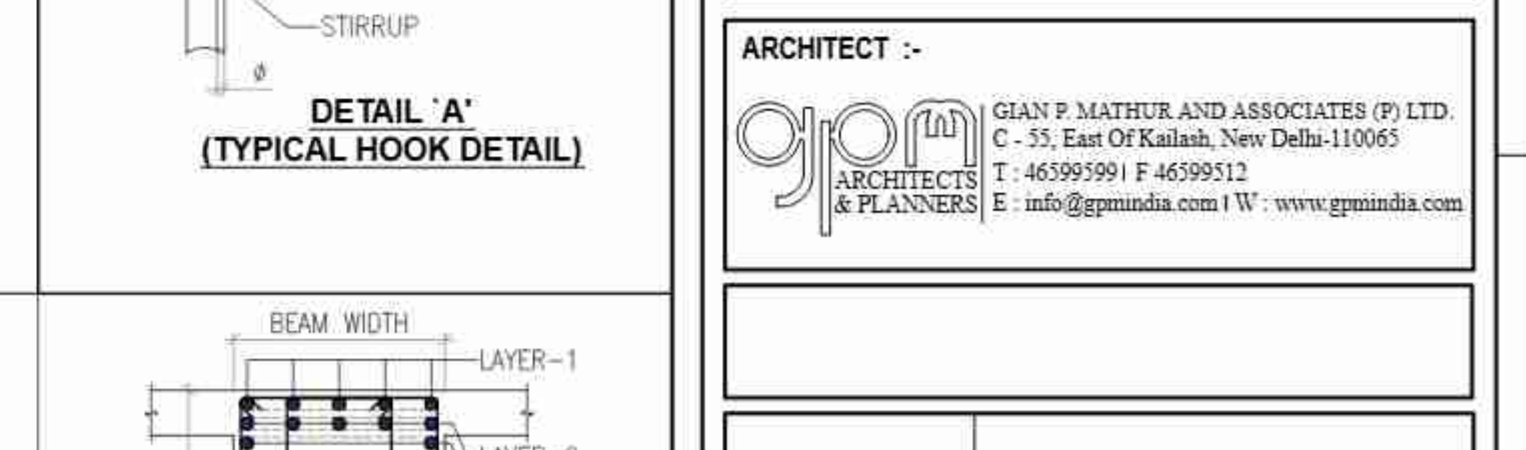
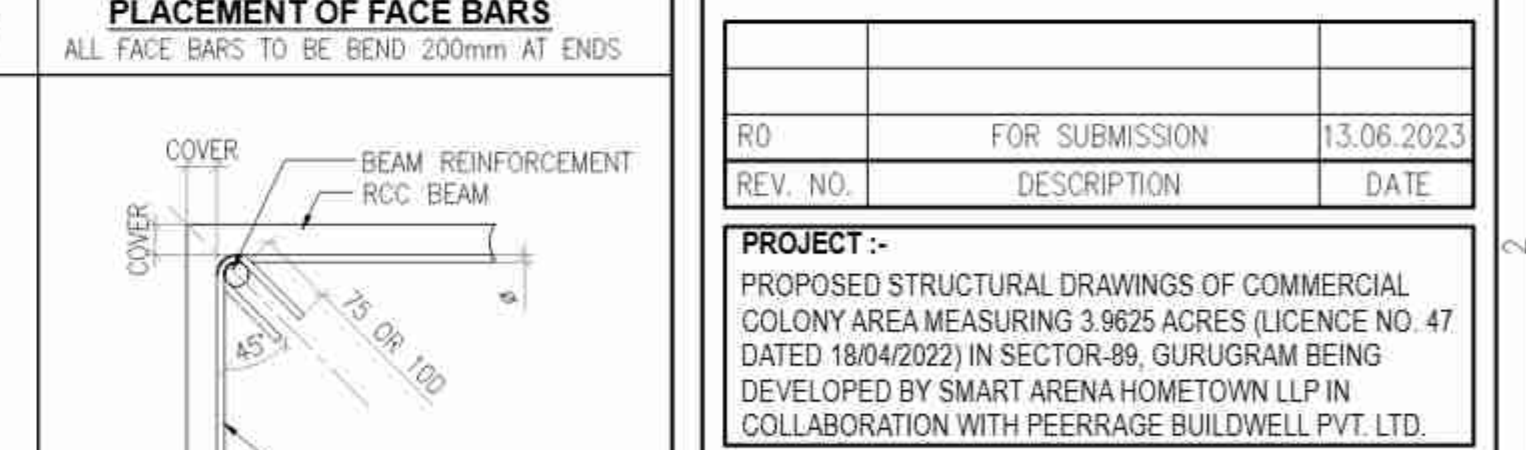
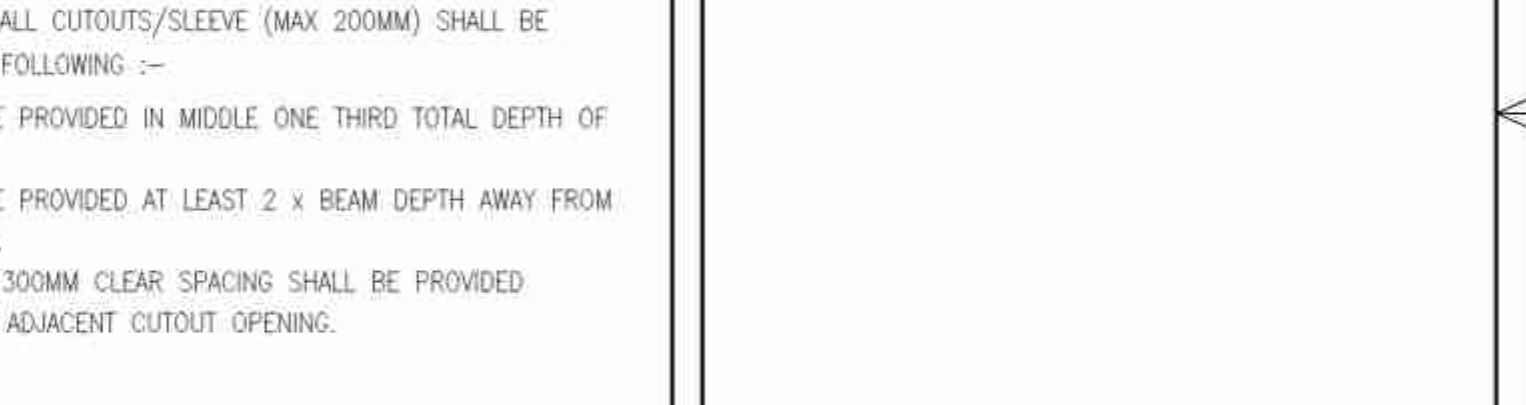
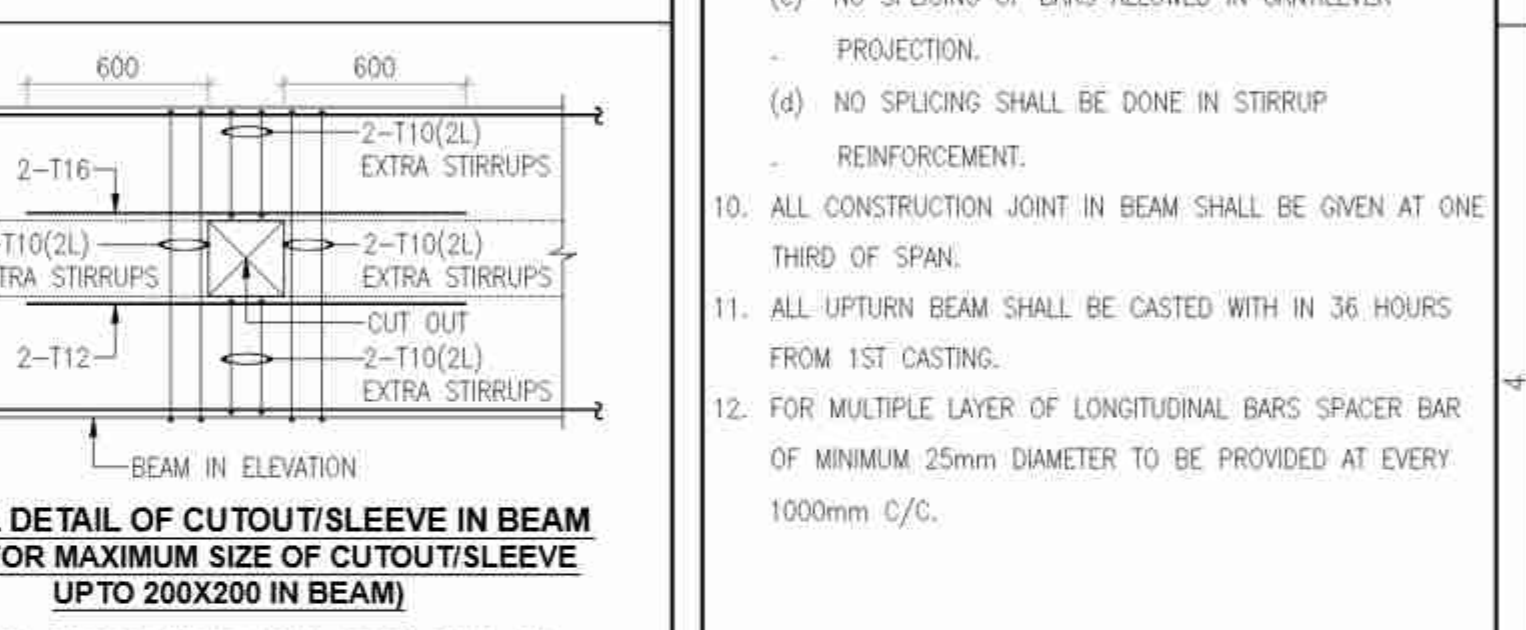
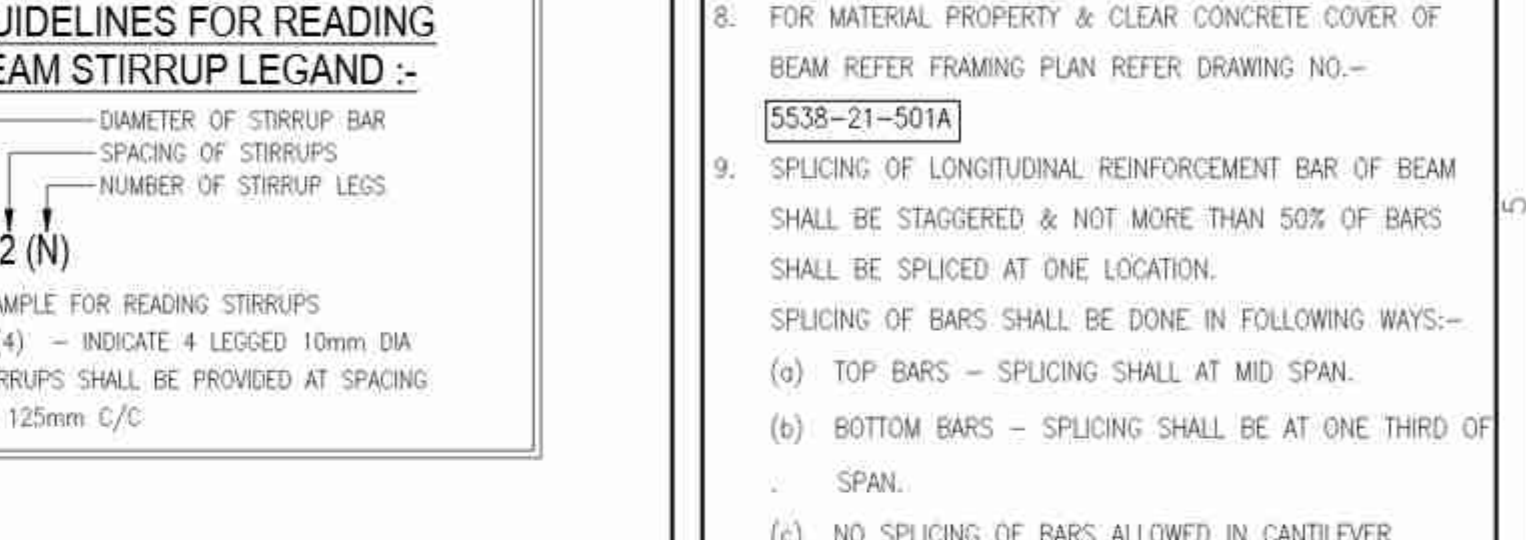
| LEGEND FOR STIRRUP REINFORCEMENT IN BEAMS | | A | B | C |
|---|------------|-------|-------|-------|
| SPACING | DIA OF BAR | T8 | T10 | T12 |
| | | C0(N) | D0(N) | E0(N) |
| 75 | | C0(N) | D0(N) | E0(N) |
| 90 | | C1(N) | D1(N) | E1(N) |
| 100 | | C2(N) | D2(N) | E2(N) |
| 110 | | C3(N) | D3(N) | E3(N) |
| 125 | | C4(N) | D4(N) | E4(N) |
| 150 | | C5(N) | D5(N) | E5(N) |
| 175 | | C6(N) | D6(N) | E6(N) |
| 200 | | C7(N) | D7(N) | E7(N) |
| 225 | | C8(N) | D8(N) | E8(N) |
| 250 | | C9(N) | D9(N) | E9(N) |



| GUIDELINES FOR READING BEAM STIRRUP LEGEND :- | | A | B | C |
|---|------------|-------|-------|-------|
| SPACING | DIA OF BAR | T8 | T10 | T12 |
| | | C0(N) | D0(N) | E0(N) |
| 75 | | C0(N) | D0(N) | E0(N) |
| 90 | | C1(N) | D1(N) | E1(N) |
| 100 | | C2(N) | D2(N) | E2(N) |
| 110 | | C3(N) | D3(N) | E3(N) |
| 125 | | C4(N) | D4(N) | E4(N) |
| 150 | | C5(N) | D5(N) | E5(N) |
| 175 | | C6(N) | D6(N) | E6(N) |
| 200 | | C7(N) | D7(N) | E7(N) |
| 225 | | C8(N) | D8(N) | E8(N) |
| 250 | | C9(N) | D9(N) | E9(N) |



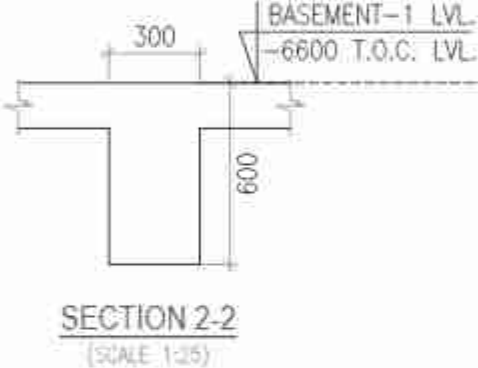
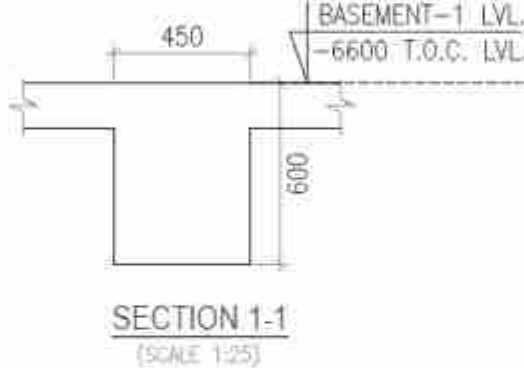
| GENERAL INSTRUCTION & NOTES:- | | A | B | C |
|-------------------------------|--|---|---|---|
| 1. | ALL DIMENSIONS SHOWN ARE IN MM (UNLESS MENTIONED) | | | |
| 2. | FOLLOW WRITTEN DIMENSIONS ONLY. DO NOT MEASURE ANY DIMENSION. | | | |
| 3. | ALL BEAM SIZE SHALL CONFIRM TO FRAMING PLAN. ANY DISCREPANCY SHALL BE BROUGHT IN NOTICE OF STRUCTURAL CONSULTANT. | | | |
| 4. | THIS DRAWING SHALL BE READ WITH GENERAL NOTES ISSUED IN DRAWING No.- 5538-13-101 | | | |
| 5. | ALL BEAM ELEVATION SHOWN ARE TENTATIVE SAME HAS BEEN DRAWN TO SHOW PLACEMENT OF LONGITUDINAL R/F AND STIRRUPS ARRANGEMENT ONLY. | | | |
| 6. | ALL BEAM ELEVATION DRAWN IN SCALE 1:50 (UNLESS MENTIONED). | | | |
| 7. | ALL BEAM CROSS SECTION DRAWN IN SCALE 1:25 ((UNLESS MENTIONED). | | | |
| 8. | FOR MATERIAL PROPERTY & CLEAR CONCRETE COVER OF BEAM REFER FRAMING PLAN REFER DRAWING NO.- 5538-21-501A | | | |
| 9. | SPLICING OF LONGITUDINAL REINFORCEMENT BAR OF BEAM SHALL BE STAGGERED & NOT MORE THAN 50% OF BARS SHALL BE SPLICED AT ONE LOCATION. SPLICING OF BARS SHALL BE DONE IN FOLLOWING WAYS:- | | | |
| 10. | (a) TOP BARS - SPLICING SHALL AT MID SPAN. | | | |
| 11. | (b) BOTTOM BARS - SPLICING SHALL BE AT ONE THIRD OF SPAN. | | | |
| 12. | (c) NO SPLICING OF BARS ALLOWED IN CANTILEVER PROJECTION. | | | |
| 13. | (d) NO SPLICING SHALL BE DONE IN STIRRUP REINFORCEMENT. | | | |
| 14. | ALL CONSTRUCTION JOINT IN BEAM SHALL BE GIVEN AT ONE THIRD OF SPAN. | | | |
| 15. | ALL UPTURN BEAM SHALL BE CASTED WITH IN 36 HOURS FROM 1ST CASTING. | | | |
| 16. | FOR MULTIPLE LAYER OF LONGITUDINAL BARS SPACER BAR OF MINIMUM 25mm DIAMETER TO BE PROVIDED AT EVERY 1000mm C/C. | | | |





SPECIAL NOTES:-

- MILD STEEL CIRCULAR SLEEVE SHALL BE PROVIDED (IF REQUIRED) IN BEAMS AT THE TIME OF CASTING ONLY.
- ADDITIONAL REINFORCEMENT SHALL BE PROVIDED NEAR SLAB & BEAM OPENING AS PER GIVEN DETAILS
- BEAMS SHALL BE PLACED TO COLUMN FACE OR AS PER MASONRY WALL LAYOUT GIVEN IN ARCHITECTURAL DRAWING OR AS PER DIMENSIONS GIVEN IN FRAMING PLAN. ALL SECONDARY BEAMS SHALL BE PLACED EQUALLY IN BETWEEN PRIMARY BEAMS (UNLESS MENTIONED).
- ALL SUNKEN AREAS AND SUNKEN DEPTH SHOWN ARE BASED ON INPUTS FROM ARCHITECTURAL DRAWINGS AND SERVICE CONSULTANTS. ALL SUNKEN AREAS SHALL BE FILLED WITH LIGHT WEIGHT MATERIAL OF DENSITY NOT MORE THAN 1000KG/M²
- DOWEL BARS FOR ELEVATION FEATURE/ FUTURE CONSTRUCTION SHALL BE PROVIDED WHILE CASTING WITH PROPER SHEAR KEY.
- FOR THE PURPOSE OF LOADING MASONRY UNIT CONSIDERED AS LIGHT WEIGHT AAC BLOCKS – CUMULATIVE DENSITY OF 1000KG/M².
- BASED ON ARCHITECTURAL DRAWINGS MASONRY LAYOUT HAS BEEN SHOWN ON FRAMING PLAN FOR REFERENCE ONLY. ANY DEVIATION SHALL BE BROUGHT IN NOTICE OF STRUCTURAL CONSULTANT.
- ALL MASONRY WALL ERECTION SHALL BE DONE AS PER DRAWING No.- [5538-10-101A]
- CONSTRUCTION MATERIAL SHALL NOT BE STACKED ON FLOOR SLAB BEYOND LIVE LOAD CAPACITY OF SLAB.
- PRE CAMBER IN SHUTTERING SHALL BE PROVIDED AS MENTIONED IN FRAMING PLAN.
- AT BEAM / DROP PANEL – COLUMN / SHEAR WALL JUNCTION CONCRETE GRADE OF COLUMN SHALL BE USED AT OFFSET OF 600 MM ALL AROUND COLUMN / SHEAR WALL FACE.
- ALL CONSTRUCTION JOINTS SHALL BE PLANNED BY SITE TEAM AND SHALL BE SEND TO STRUCTURAL CONSULTANT FOR APPROVAL PRIOR TO EXECUTION. NO CONSTRUCTION JOINTS SHALL BE PROVIDED FOR CANTILEVER PROJECTIONS.
- CONTRACTOR TO EVALUATE LOADING FROM UPPER FLOOR (DURING ITS CASTING) AND PROVIDE REQUIRED PROPOS TO LOWER SLAB LEVELS ACCORDINGLY.
- FLOOR SLAB AND BEAM DESIGNED FOR FOLLOWING LOADING:-
 - A. LIVE LOAD AS PER IS : 875 (LATEST REVISION)
 - B. FLOOR FINISH THICKNESS – [100MM]




GENERAL INSTRUCTION & NOTES:-

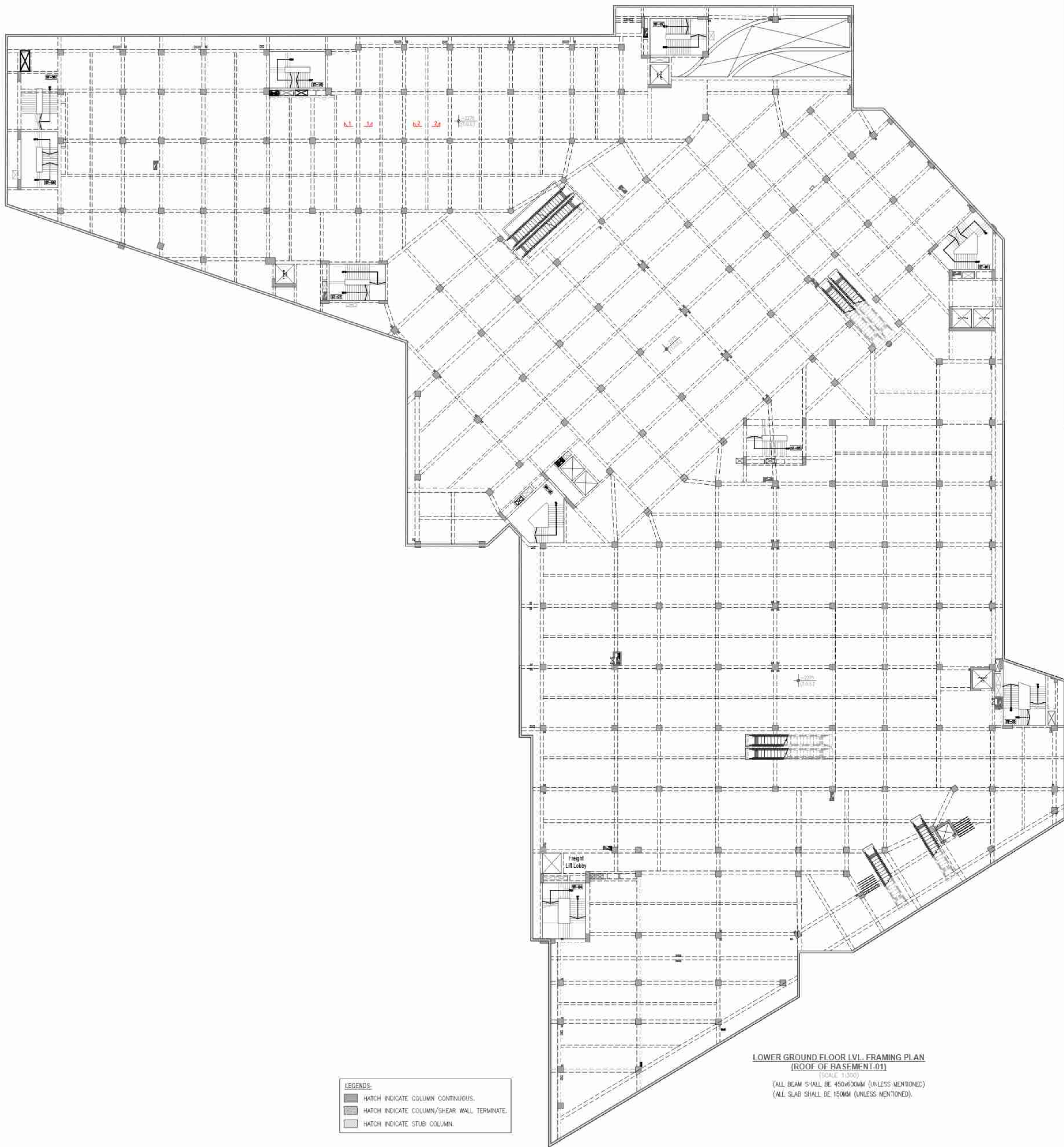
- ALL DIMENSIONS SHOWN ARE IN MM. (UNLESS MENTIONED).
- ALWAYS FOLLOW WRITTEN DIMENSIONS ONLY. DO NOT MEASURE ANY DIMENSION.
- THIS DRAWING SHALL BE READ WITH GENERAL NOTES ISSUED IN DRAWING No.- [5538-13-101A]
- [FE 5000] COMPLIANCE TO IS : 1786 (LATEST REVISION) SHALL BE USED FOR ALL REINFORCEMENT BARS.
- FOR CONCRETE WORK USE CONCRETE GRADE OF [M30] COMPLIANCE TO IS : 456 (LATEST REVISION) (UNLESS MENTIONED).
- INDICATES SLAB THICKNESS. ■ INDICATES SLAB PANEL NO. FOR R/F, DETAILS
- U/T INDICATES PARTIALLY OR FULLY UPTURN BEAM
- FOR SLAB REINFORCEMENT DETAILS REFER DRAWING No.- [5538-21-601A]
- FOR BEAM REINFORCEMENT DETAILS REFER DRAWING No.- [5538-21-701A]
- STAIRCASE/RAMPS DETAILS SHALL BE REFERRED FROM RELEVANT ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- ALL LEVEL MENTIONED IN FRAMING PLAN SHALL BE CROSS CHECKED WITH RELEVANT ARCHITECTURAL DRAWINGS.
- CLEAR COVER TO CONCRETE SHALL BE AS FOLLOWS:
 - BEAMS-[25MM] (ALL SIDES) FROM FACE OF STIRRUPS
 - SLABS-[20MM] (TOP & BOTTOM)

| | | |
|----------|----------------|------------|
| REV. NO. | DESCRIPTION | DATE |
| R0 | FOR SUBMISSION | 13.06.2023 |

PROJECT :-
PROPOSED STRUCTURAL DRAWINGS OF COMMERCIAL COLONY AREA MEASURING 3.9625 ACRES (LICENCE NO. 47 DATED 18/04/2022) IN SECTOR-89, GURUGRAM BEING DEVELOPED BY SMART ARENA HOMETOWN LLP IN COLLABORATION WITH PEERRAGE BUILDWELL PVT. LTD.

ARCHITECT :-
 GIAN P. MATHUR AND ASSOCIATES (P) LTD.
C - 55, East Of Kailash, New Delhi-110065
T : +919995991 F 46599512
E : info@gpmindia.com I W : www.gpmindia.com

| DRAWING TITLE | | BASEMENT-01 LEVEL FRAMING PLAN & SECTIONS | |
|-----------------|--------------------------|---|------------------|
| DRAWING NO. :- | 5 3 8 2 1 5 0 1 A | SHEET NO. :- | 01 OF 01 |
| SCALE: AS SHOWN | DATE: 13.06.2023 | DESIGNED BY: SJ | APPROVED BY: AGU |
| DRAWN BY: HK | STATUS :- FOR SUBMISSION | REVISION NO. :- | R0 |

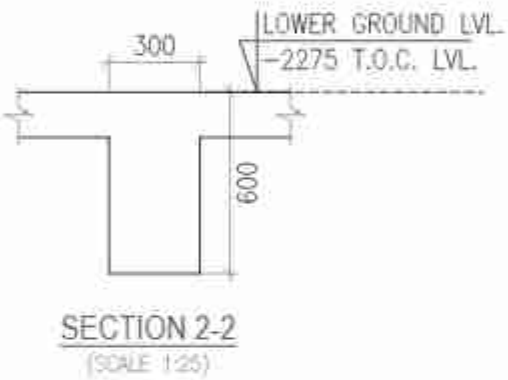
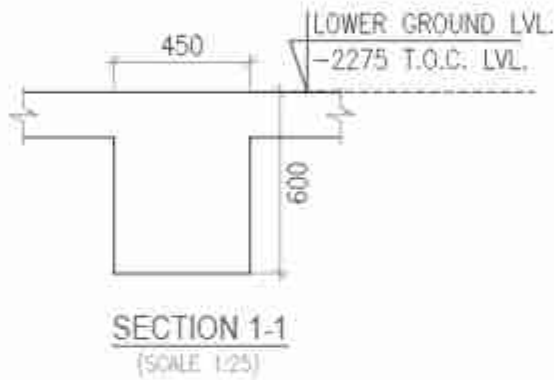


LEGENDS:
HATCH INDICATE COLUMN CONTINUOUS.
HATCH INDICATE COLUMN/SHEAR WALL TERMINATE.
HATCH INDICATE STUB COLUMN.

LOWER GROUND FLOOR LVL. FRAMING PLAN
(ROOF OF BASEMENT-01)
(SCALE 1:300)
(ALL BEAM SHALL BE 450x600MM (UNLESS MENTIONED))
(ALL SLAB SHALL BE 150MM (UNLESS MENTIONED)).

SPECIAL NOTES:-

- MILD STEEL CIRCULAR SLEEVE SHALL BE PROVIDED (IF REQUIRED) IN BEAMS AT THE TIME OF CASTING ONLY.
- ADDITIONAL REINFORCEMENT SHALL BE PROVIDED NEAR SLAB & BEAM OPENING AS PER GIVEN DETAILS
- BEAMS SHALL BE PLACED TO COLUMN FACE OR AS PER MASONRY WALL LAYOUT GIVEN IN ARCHITECTURAL DRAWING OR AS PER DIMENSIONS GIVEN IN FRAMING PLAN. ALL SECONDARY BEAMS SHALL BE PLACED EQUALLY IN BETWEEN PRIMARY BEAMS (UNLESS MENTIONED).
- ALL SUNKEN AREAS AND SUNKEN DEPTH SHOWN ARE BASED ON INPUTS FROM ARCHITECTURAL DRAWINGS AND SERVICE CONSULTANTS. ALL SUNKEN AREAS SHALL BE FILLED WITH LIGHT WEIGHT MATERIAL OF DENSITY NOT MORE THAN 1000KG/M²
- DOWEL BARS FOR ELEVATION FEATURE/ FUTURE CONSTRUCTION SHALL BE PROVIDED WHILE CASTING WITH PROPER SHEAR KEY.
- FOR THE PURPOSE OF LOADING MASONRY UNIT CONSIDERED AS LIGHT WEIGHT AAC BLOCKS – CUMULATIVE DENSITY OF 1000KG/M².
- BASED ON ARCHITECTURAL DRAWINGS MASONRY LAYOUT HAS BEEN SHOWN ON FRAMING PLAN FOR REFERENCE ONLY. ANY DEVIATION SHALL BE BROUGHT IN NOTICE OF STRUCTURAL CONSULTANT.
- ALL MASONRY WALL ERECTION SHALL BE DONE AS PER DRAWING No.- [5538-10-101A]
- CONSTRUCTION MATERIAL SHALL NOT BE STACKED ON FLOOR SLAB BEYOND LIVE LOAD CAPACITY OF SLAB.
- PRE CAMBER IN SHUTTERING SHALL BE PROVIDED AS MENTIONED IN FRAMING PLAN.
- AT BEAM / DROP PANEL – COLUMN / SHEAR WALL JUNCTION CONCRETE GRADE OF COLUMN SHALL BE USED AT OFFSET OF 600 MM ALL AROUND COLUMN / SHEAR WALL FACE.
- ALL CONSTRUCTION JOINTS SHALL BE PLANNED BY SITE TEAM AND SHALL BE SEND TO STRUCTURAL CONSULTANT FOR APPROVAL PRIOR TO EXECUTION. NO CONSTRUCTION JOINTS SHALL BE PROVIDED FOR CANTILEVER PROJECTIONS.
- CONTRACTOR TO EVALUATE LOADING FROM UPPER FLOOR (DURING ITS CASTING) AND PROVIDE REQUIRED PROPOS TO LOWER SLAB LEVELS ACCORDINGLY.
- FLOOR SLAB AND BEAM DESIGNED FOR FOLLOWING LOADING:-
 - A. LIVE LOAD AS PER IS : 875 (LATEST REVISION)
 - B. FLOOR FINISH THICKNESS – 100MM



GENERAL INSTRUCTION & NOTES:-

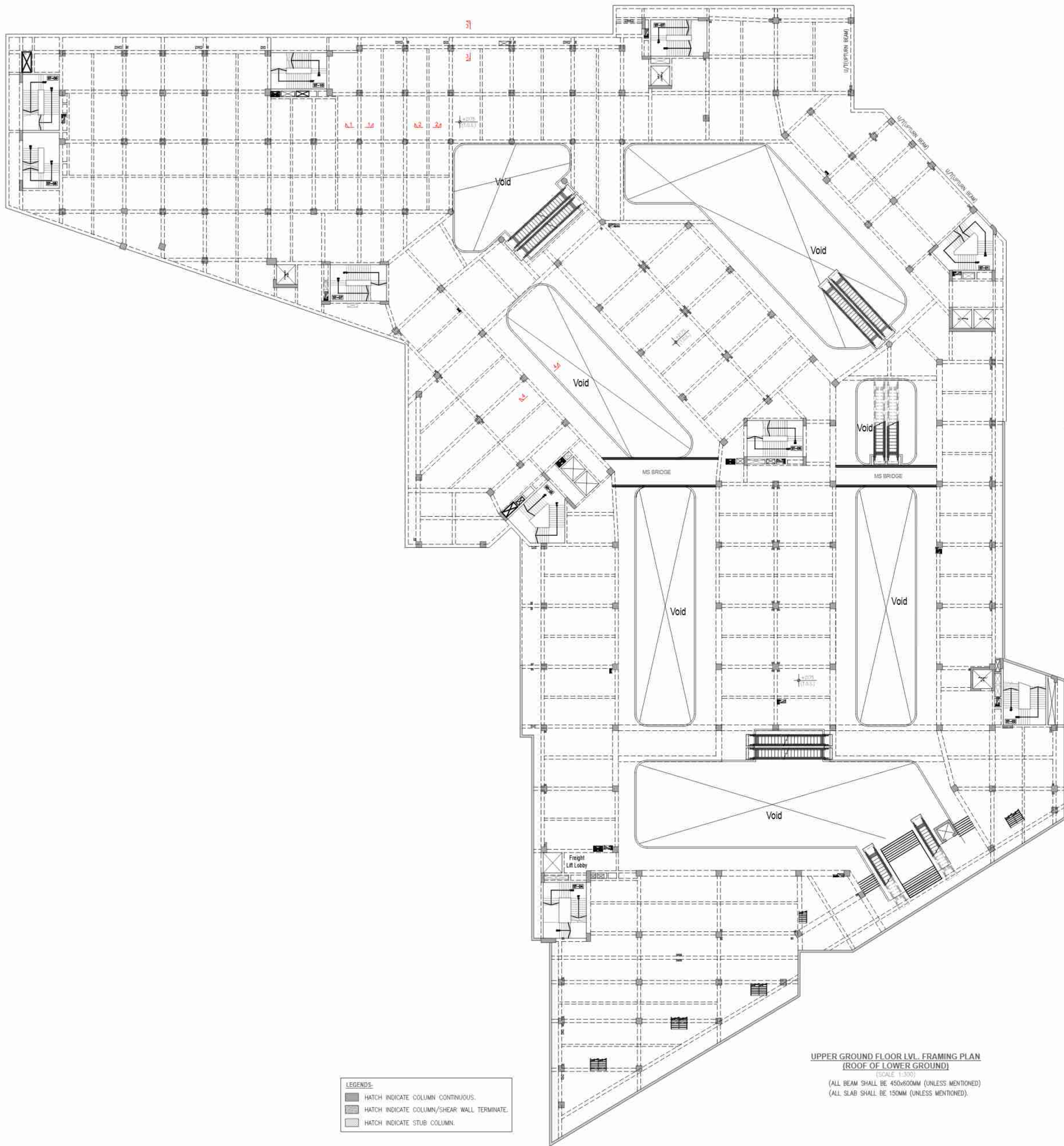
- ALL DIMENSIONS SHOWN ARE IN MM. (UNLESS MENTIONED).
- ALWAYS FOLLOW WRITTEN DIMENSIONS ONLY. DO NOT MEASURE ANY DIMENSION.
- THIS DRAWING SHALL BE READ WITH GENERAL NOTES ISSUED IN DRAWING No.- [5538-13-101A]
- FE 5000 COMPLIANCE TO IS : 1786 (LATEST REVISION) SHALL BE USED FOR ALL REINFORCEMENT BARS.
- FOR CONCRETE WORK USE CONCRETE GRADE OF M30 COMPLIANCE TO IS : 456 (LATEST REVISION) (UNLESS MENTIONED).
- INDICATES SLAB THICKNESS.
■ INDICATES SLAB PANEL NO. FOR R/F, DETAILS
- U/T INDICATES PARTIALLY OR FULLY UPTURN BEAM
- FOR SLAB REINFORCEMENT DETAILS REFER DRAWING No.- [5538-21-602A]
- FOR BEAM REINFORCEMENT DETAILS REFER DRAWING No.- [5538-21-702A]
- STAIRCASE/RAMPS DETAILS SHALL BE REFERRED FROM RELEVANT ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- ALL LEVEL MENTIONED IN FRAMING PLAN SHALL BE CROSS CHECKED WITH RELEVANT ARCHITECTURAL DRAWINGS.
- CLEAR COVER TO CONCRETE SHALL BE AS FOLLOWS:
BEAMS-25MM (ALL SIDES) FROM FACE OF STIRRUPS
SLABS-20MM (TOP & BOTTOM)

| | | |
|----------|----------------|------------|
| REV. NO. | DESCRIPTION | DATE |
| R0 | FOR SUBMISSION | 13.06.2023 |

PROJECT :-
PROPOSED STRUCTURAL DRAWINGS OF COMMERCIAL COLONY AREA MEASURING 3.9625 ACRES (LICENCE NO. 47 DATED 18/04/2022) IN SECTOR-89, GURUGRAM BEING DEVELOPED BY SMART ARENA HOMETOWN LLP IN COLLABORATION WITH PEERRAGE BUILDWELL PVT. LTD.

ARCHITECT :-
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C - 55, East Of Kailash, New Delhi-110065
T : 46599599 | F 46599512
E : info@gpmindia.com | W : www.gpmindia.com

| | | | | | | | | | | |
|--------------------------|--|---|---|---|---|--------------------------|---|---|---|---|
| DRAWING TITLE | LOWER GROUND FLOOR LEVEL FRAMING PLAN | | | | | | | | | |
| DRAWING NO. :- | 5 | 5 | 3 | 8 | 2 | 1 | 5 | 0 | 2 | A |
| SCALE: AS SHOWN | DATE: 13.06.2023 | | | | | SHEET NO. :- 01 OF 01 | | | | |
| DRAWN BY: HK | DESIGNED BY: SJ | | | | | APPROVED BY :- AGU | | | | |
| STATUS :- FOR SUBMISSION | | | | | | REVISION NO. :- RO | | | | |

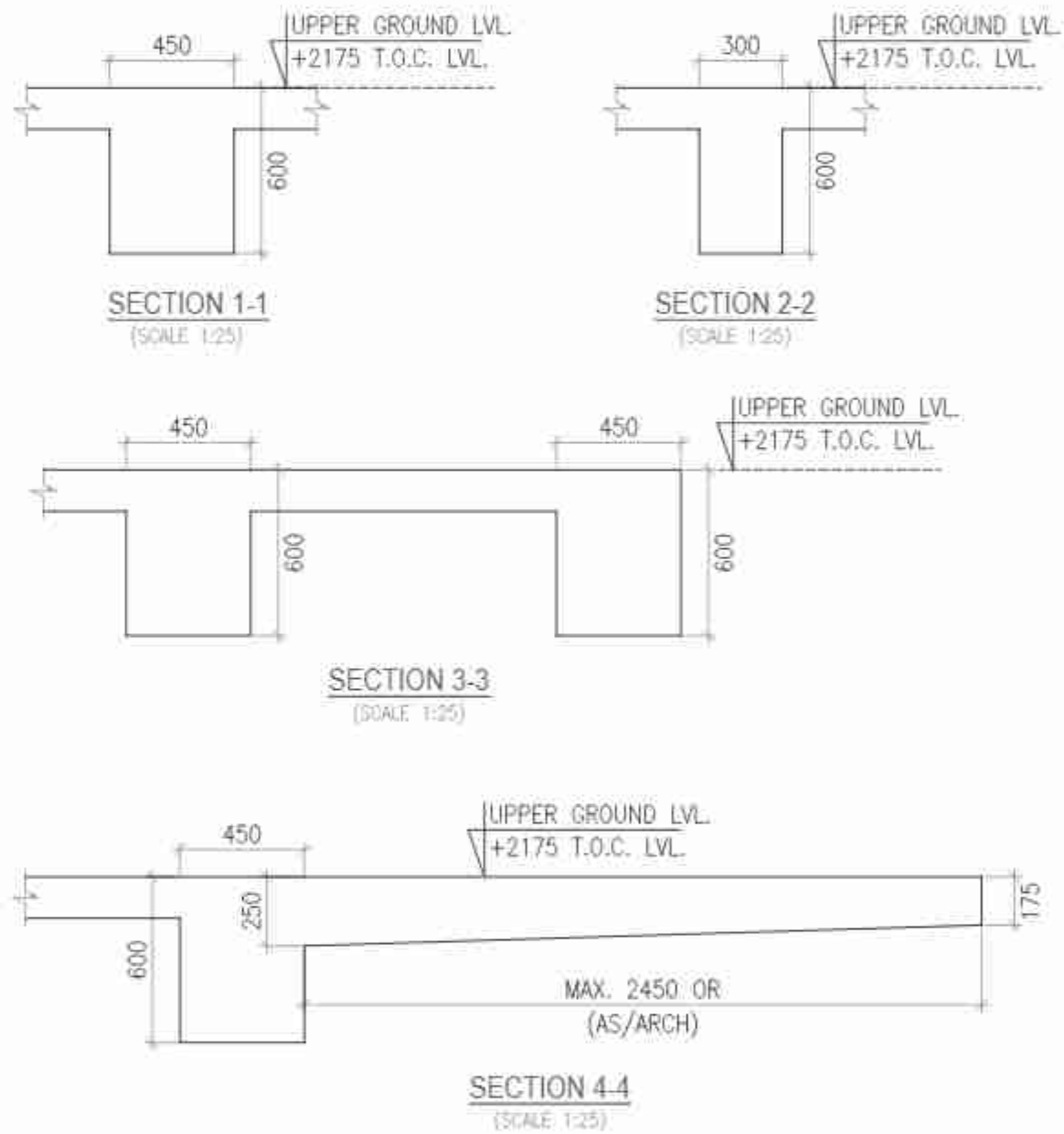


LEGENDS:
HATCH INDICATE COLUMN CONTINUOUS.
HATCH INDICATE COLUMN/BEAM TERMINATE.
HATCH INDICATE STUB COLUMN.

UPPER GROUND FLOOR LVL. FRAMING PLAN
(ROOF OF LOWER GROUND)
(SCALE: 1:300)
(ALL BEAM SHALL BE 450x600MM (UNLESS MENTIONED)
(ALL SLAB SHALL BE 150MM (UNLESS MENTIONED).

SPECIAL NOTES:-

- MILD STEEL CIRCULAR SLEEVE SHALL BE PROVIDED (IF REQUIRED) IN BEAMS AT THE TIME OF CASTING ONLY.
- ADDITIONAL REINFORCEMENT SHALL BE PROVIDED NEAR SLAB & BEAM OPENING AS PER GIVEN DETAILS
- BEAMS SHALL BE PLACED TO COLUMN FACE OR AS PER MASONRY WALL LAYOUT GIVEN IN ARCHITECTURAL DRAWING OR AS PER DIMENSIONS GIVEN IN FRAMING PLAN. ALL SECONDARY BEAMS SHALL BE PLACED EQUALLY IN BETWEEN PRIMARY BEAMS (UNLESS MENTIONED).
- ALL SUNKEN AREAS AND SUNKEN DEPTH SHOWN ARE BASED ON INPUTS FROM ARCHITECTURAL DRAWINGS AND SERVICE CONSULTANTS. ALL SUNKEN AREAS SHALL BE FILLED WITH LIGHT WEIGHT MATERIAL OF DENSITY NOT MORE THAN 1000KG/M²
- DOWEL BARS FOR ELEVATION FEATURE/ FUTURE CONSTRUCTION SHALL BE PROVIDED WHILE CASTING WITH PROPER SHEAR KEY.
- FOR THE PURPOSE OF LOADING MASONRY UNIT CONSIDERED AS LIGHT WEIGHT AAC BLOCKS – CUMULATIVE DENSITY OF 1000KG/M².
- BASED ON ARCHITECTURAL DRAWINGS MASONRY LAYOUT HAS BEEN SHOWN ON FRAMING PLAN FOR REFERENCE ONLY. ANY DEVIATION SHALL BE BROUGHT IN NOTICE OF STRUCTURAL CONSULTANT.
- ALL MASONRY WALL ERECTION SHALL BE DONE AS PER DRAWING No.- [5538-10-101A]
- CONSTRUCTION MATERIAL SHALL NOT BE STACKED ON FLOOR SLAB BEYOND LIVE LOAD CAPACITY OF SLAB.
- PRE CAMBER IN SHUTTERING SHALL BE PROVIDED AS MENTIONED IN FRAMING PLAN.
- AT BEAM / DROP PANEL – COLUMN / SHEAR WALL JUNCTION CONCRETE GRADE OF COLUMN SHALL BE USED AT OFFSET OF 600 MM ALL AROUND COLUMN / SHEAR WALL FACE.
- ALL CONSTRUCTION JOINTS SHALL BE PLANNED BY SITE TEAM AND SHALL BE SEND TO STRUCTURAL CONSULTANT FOR APPROVAL PRIOR TO EXECUTION. NO CONSTRUCTION JOINTS SHALL BE PROVIDED FOR CANTILEVER PROJECTIONS.
- CONTRACTOR TO EVALUATE LOADING FROM UPPER FLOOR (DURING ITS CASTING) AND PROVIDE REQUIRED PROPOS TO LOWER SLAB LEVELS ACCORDINGLY.
- FLOOR SLAB AND BEAM DESIGNED FOR FOLLOWING LOADING:-
 - A. LIVE LOAD AS PER IS : 875 (LATEST REVISION)
 - B. FLOOR FINISH THICKNESS – 100MM



GENERAL INSTRUCTION & NOTES:-

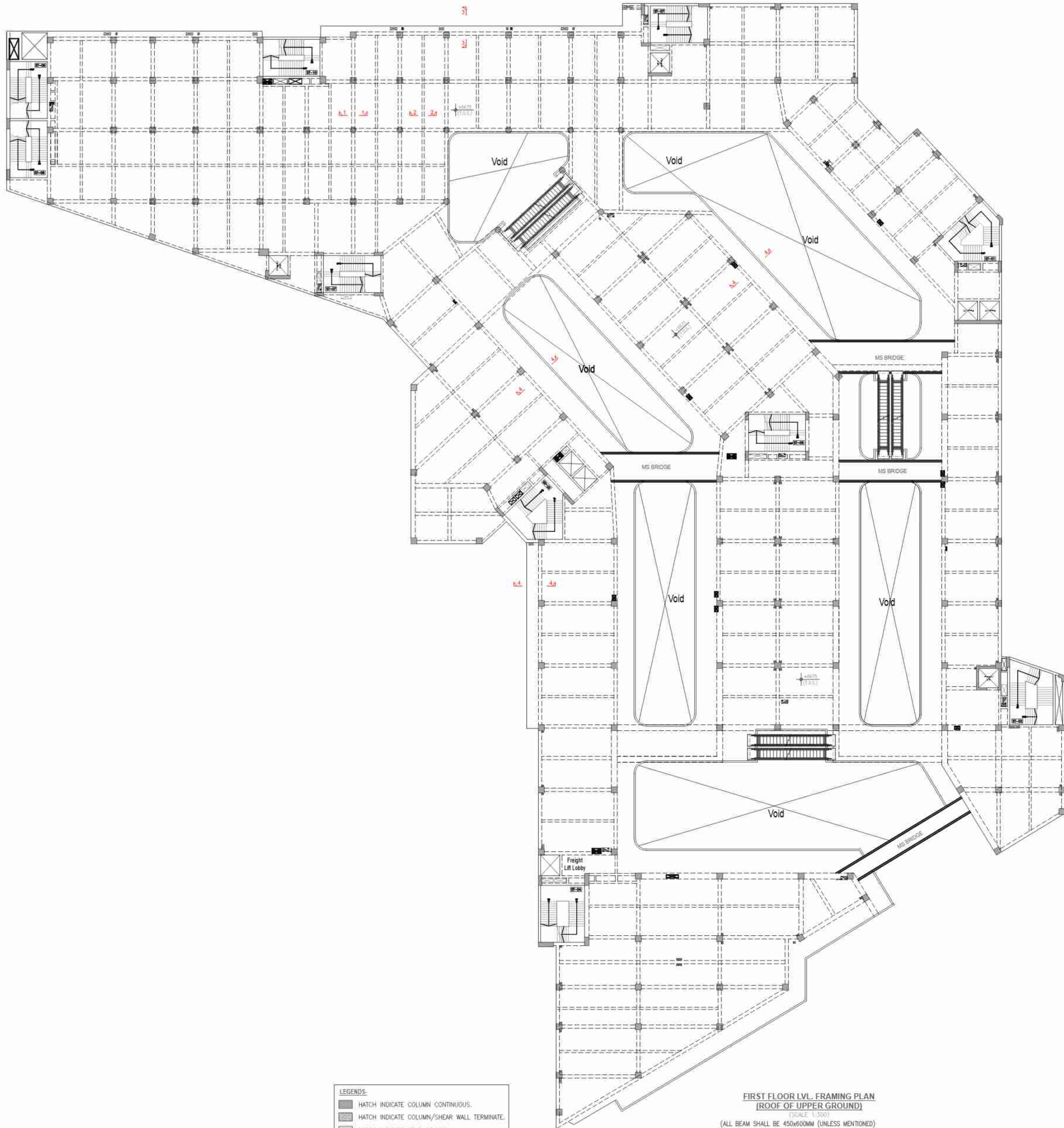
- ALL DIMENSIONS SHOWN ARE IN MM. (UNLESS MENTIONED).
- ALWAYS FOLLOW WRITTEN DIMENSIONS ONLY. DO NOT MEASURE ANY DIMENSION.
- THIS DRAWING SHALL BE READ WITH GENERAL NOTES ISSUED IN DRAWING No.- [5538-13-101A]
- FE 5000 COMPLIANCE TO IS : 1786 (LATEST REVISION) SHALL BE USED FOR ALL REINFORCEMENT BARS.
- FOR CONCRETE WORK USE CONCRETE GRADE OF M30 COMPLIANCE TO IS : 456 (LATEST REVISION) (UNLESS MENTIONED).
- INDICATES SLAB THICKNESS.
■ INDICATES SLAB PANEL NO. FOR R/F, DETAILS
- U/T INDICATES PARTIALLY OR FULLY UPTURN BEAM
- FOR SLAB REINFORCEMENT DETAILS REFER DRAWING No.- [5538-21-603A]
- FOR BEAM REINFORCEMENT DETAILS REFER DRAWING No.- [5538-21-703A]
- STAIRCASE/RAMPS DETAILS SHALL BE REFERRED FROM RELEVANT ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- ALL LEVEL MENTIONED IN FRAMING PLAN SHALL BE CROSS CHECKED WITH RELEVANT ARCHITECTURAL DRAWINGS.
- CLEAR COVER TO CONCRETE SHALL BE AS FOLLOWS:
BEAMS-25MM (ALL SIDES) FROM FACE OF STIRRUPS
SLABS-20MM (TOP & BOTTOM)

| | | |
|----------|----------------|------------|
| REV. NO. | DESCRIPTION | DATE |
| R0 | FOR SUBMISSION | 13.06.2023 |

PROJECT :-
PROPOSED STRUCTURAL DRAWINGS OF COMMERCIAL COLONY AREA MEASURING 3.9625 ACRES (LICENCE NO. 47 DATED 18/04/2022) IN SECTOR-89, GURUGRAM BEING DEVELOPED BY SMART ARENA HOMETOWN LLP IN COLLABORATION WITH PEERRAGE BUILDWELL PVT. LTD.

ARCHITECT :-
GIAN P. MATHUR AND ASSOCIATES (P) LTD.
C - 55, East Of Kailash, New Delhi-110065
T : +9199959912 F 46599512
E : info@gpmindia.com I W : www.gpmindia.com

| | |
|--------------------------|---------------------------------------|
| DRAWING TITLE | UPPER GROUND FLOOR LEVEL FRAMING PLAN |
| DRAWING NO. :- | 5 5 3 8 2 1 5 0 3 A |
| SCALE: | DATE: 13.06.2023 |
| AS SHOWN | SHEET NO. :- 01 OF 01 |
| DRAWN BY: HK | DESIGNED BY: SJ |
| APPROVED BY: AGU | REVISION NO. :- R0 |
| STATUS :- FOR SUBMISSION | |

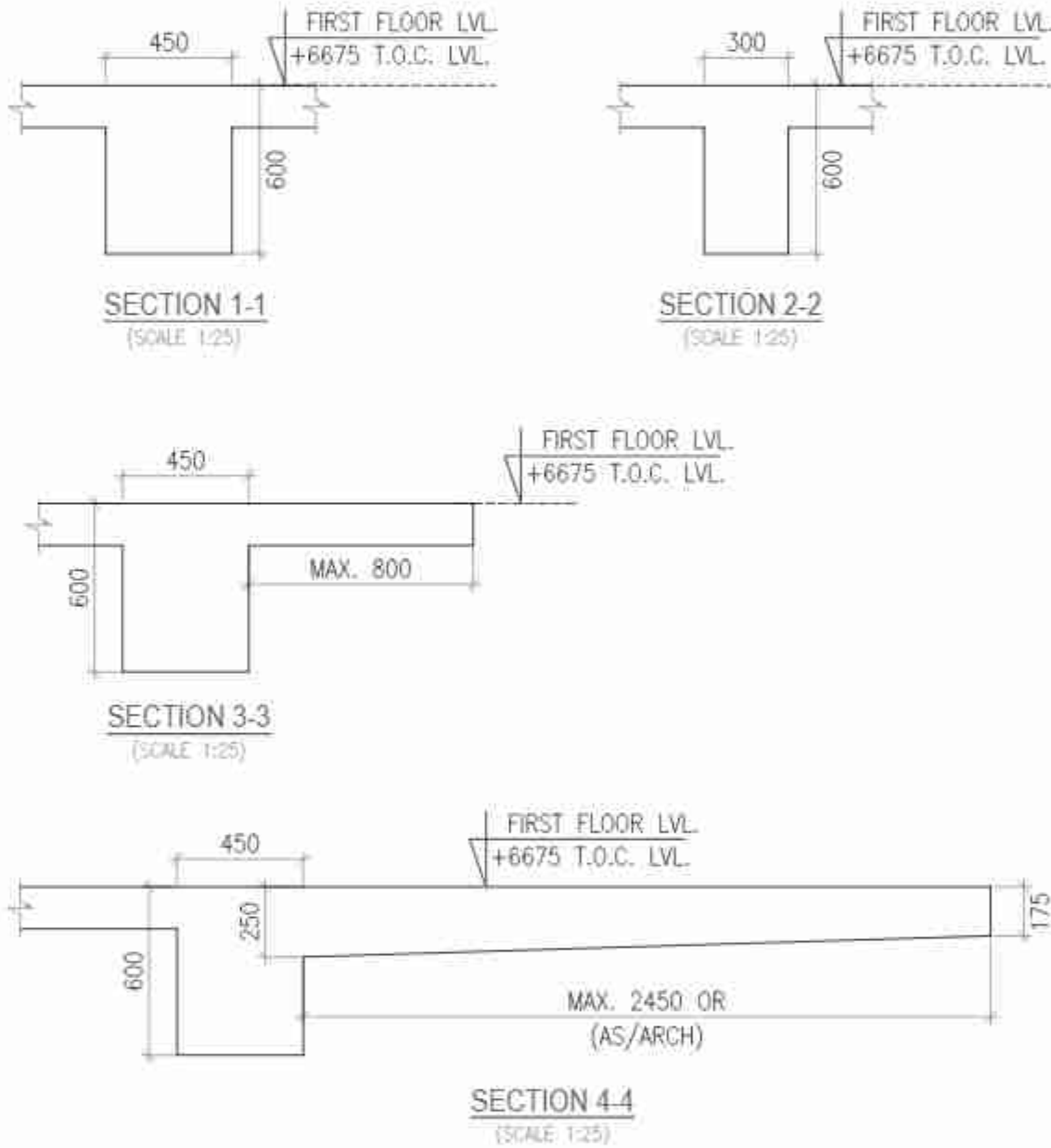


LEGENDS:
HATCH INDICATE COLUMN CONTINUOUS.
HATCH INDICATE COLUMN/BEAM TERMINATE.
HATCH INDICATE STUB COLUMN.

FIRST FLOOR LVL. FRAMING PLAN
(ROOF OF UPPER GROUND)
(SCALE: 1:300)
(ALL BEAM SHALL BE 450x600MM (UNLESS MENTIONED))
(ALL SLAB SHALL BE 150MM (UNLESS MENTIONED)).

SPECIAL NOTES:-

- MILD STEEL CIRCULAR SLEEVE SHALL BE PROVIDED (IF REQUIRED) IN BEAMS AT THE TIME OF CASTING ONLY.
- ADDITIONAL REINFORCEMENT SHALL BE PROVIDED NEAR SLAB & BEAM OPENING AS PER GIVEN DETAILS
- BEAMS SHALL BE PLACED TO COLUMN FACE OR AS PER MASONRY WALL LAYOUT GIVEN IN ARCHITECTURAL DRAWING OR AS PER DIMENSIONS GIVEN IN FRAMING PLAN. ALL SECONDARY BEAMS SHALL BE PLACED EQUALLY IN BETWEEN PRIMARY BEAMS (UNLESS MENTIONED).
- ALL SUNKEN AREAS AND SUNKEN DEPTH SHOWN ARE BASED ON INPUTS FROM ARCHITECTURAL DRAWINGS AND SERVICE CONSULTANTS. ALL SUNKEN AREAS SHALL BE FILLED WITH LIGHT WEIGHT MATERIAL OF DENSITY NOT MORE THAN 1000KG/M²
- DOWEL BARS FOR ELEVATION FEATURE/ FUTURE CONSTRUCTION SHALL BE PROVIDED WHILE CASTING WITH PROPER SHEAR KEY.
- FOR THE PURPOSE OF LOADING MASONRY UNIT CONSIDERED AS LIGHT WEIGHT AAC BLOCKS – CUMULATIVE DENSITY OF 1000KG/M².
- BASED ON ARCHITECTURAL DRAWINGS MASONRY LAYOUT HAS BEEN SHOWN ON FRAMING PLAN FOR REFERENCE ONLY. ANY DEVIATION SHALL BE BROUGHT IN NOTICE OF STRUCTURAL CONSULTANT.
- ALL MASONRY WALL ERECTION SHALL BE DONE AS PER DRAWING No.- [5538-10-101A]
- CONSTRUCTION MATERIAL SHALL NOT BE STACKED ON FLOOR SLAB BEYOND LIVE LOAD CAPACITY OF SLAB.
- PRE CAMBER IN SHUTTERING SHALL BE PROVIDED AS MENTIONED IN FRAMING PLAN.
- AT BEAM / DROP PANEL – COLUMN / SHEAR WALL JUNCTION CONCRETE GRADE OF COLUMN SHALL BE USED AT OFFSET OF 600 MM ALL AROUND COLUMN / SHEAR WALL FACE.
- ALL CONSTRUCTION JOINTS SHALL BE PLANNED BY SITE TEAM AND SHALL BE SEND TO STRUCTURAL CONSULTANT FOR APPROVAL PRIOR TO EXECUTION. NO CONSTRUCTION JOINTS SHALL BE PROVIDED FOR CANTILEVER PROJECTIONS.
- CONTRACTOR TO EVALUATE LOADING FROM UPPER FLOOR (DURING ITS CASTING) AND PROVIDE REQUIRED PROPOS TO LOWER SLAB LEVELS ACCORDINGLY.
- FLOOR SLAB AND BEAM DESIGNED FOR FOLLOWING LOADING:-
 - A. LIVE LOAD AS PER IS : 875 (LATEST REVISION)
 - B. FLOOR FINISH THICKNESS – 100MM



GENERAL INSTRUCTION & NOTES:-

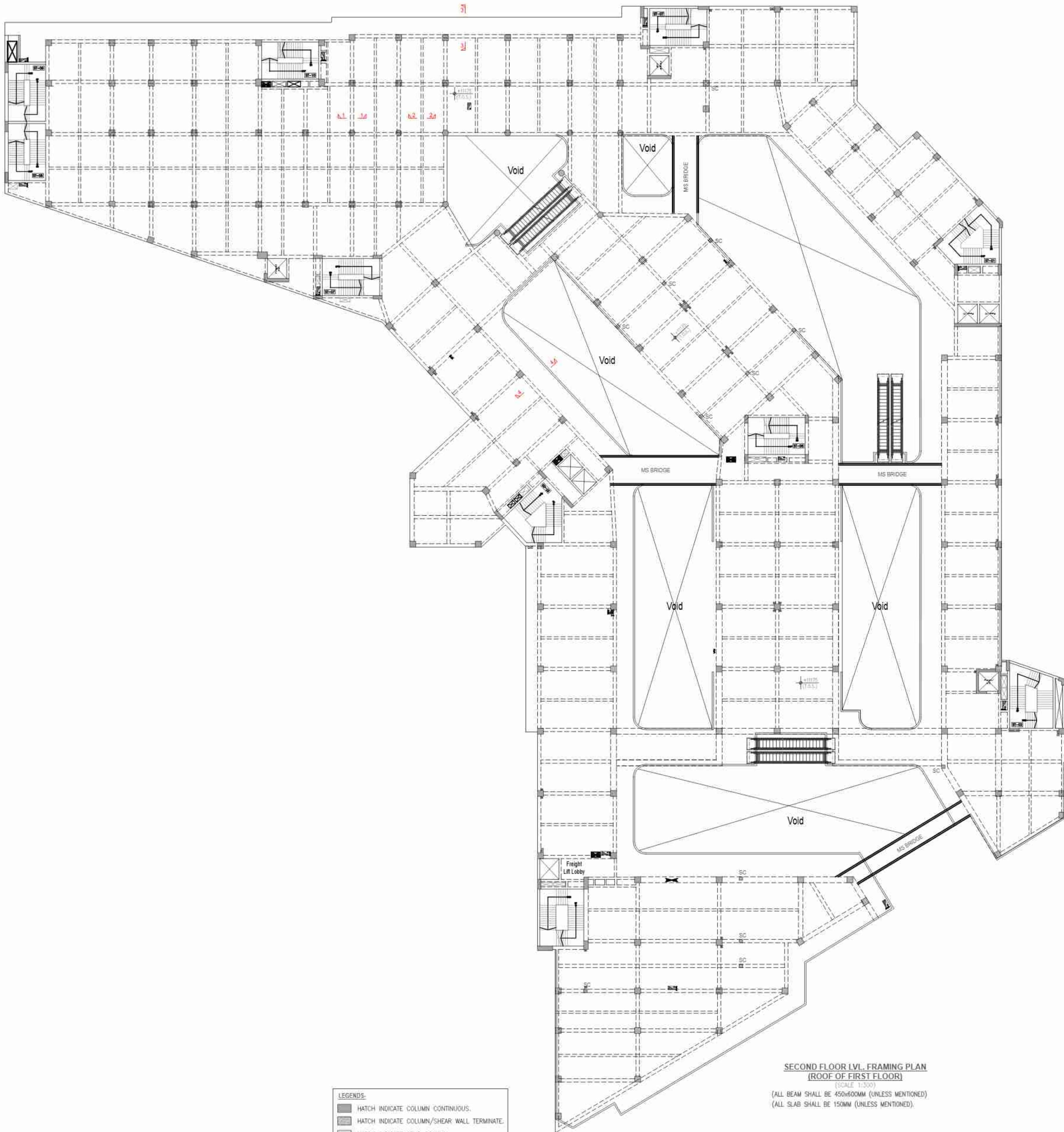
- ALL DIMENSIONS SHOWN ARE IN MM. (UNLESS MENTIONED).
- ALWAYS FOLLOW WRITTEN DIMENSIONS ONLY. DO NOT MEASURE ANY DIMENSION.
- THIS DRAWING SHALL BE READ WITH GENERAL NOTES ISSUED IN DRAWING No.- [5538-13-101A]
- FE 5000 COMPLIANCE TO IS : 1786 (LATEST REVISION) SHALL BE USED FOR ALL REINFORCEMENT BARS.
- FOR CONCRETE WORK USE CONCRETE GRADE OF M30 COMPLIANCE TO IS : 456 (LATEST REVISION) (UNLESS MENTIONED).
- INDICATES SLAB THICKNESS.
■ INDICATES SLAB PANEL NO. FOR R/F, DETAILS
- U/T INDICATES PARTIALLY OR FULLY UPTURN BEAM
- FOR SLAB REINFORCEMENT DETAILS REFER DRAWING No.- [5538-21-604A]
- FOR BEAM REINFORCEMENT DETAILS REFER DRAWING No.- [5538-21-704A]
- STAIRCASE/RAMPS DETAILS SHALL BE REFERRED FROM RELEVANT ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- ALL LEVEL MENTIONED IN FRAMING PLAN SHALL BE CROSS CHECKED WITH RELEVANT ARCHITECTURAL DRAWINGS.
- CLEAR COVER TO CONCRETE SHALL BE AS FOLLOWS:
BEAMS-25MM (ALL SIDES) FROM FACE OF STIRRUPS
SLABS-20MM (TOP & BOTTOM)

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| REV. NO. | DESCRIPTION | DATE |
| R0 | FOR SUBMISSION | 13.06.2023 |

PROJECT :-
PROPOSED STRUCTURAL DRAWINGS OF COMMERCIAL COLONY AREA MEASURING 3.9625 ACRES (LICENCE NO. 47 DATED 18/04/2022) IN SECTOR-89, GURUGRAM BEING DEVELOPED BY SMART ARENA HOMETOWN LLP IN COLLABORATION WITH PEERRAGE BUILDWELL PVT. LTD.

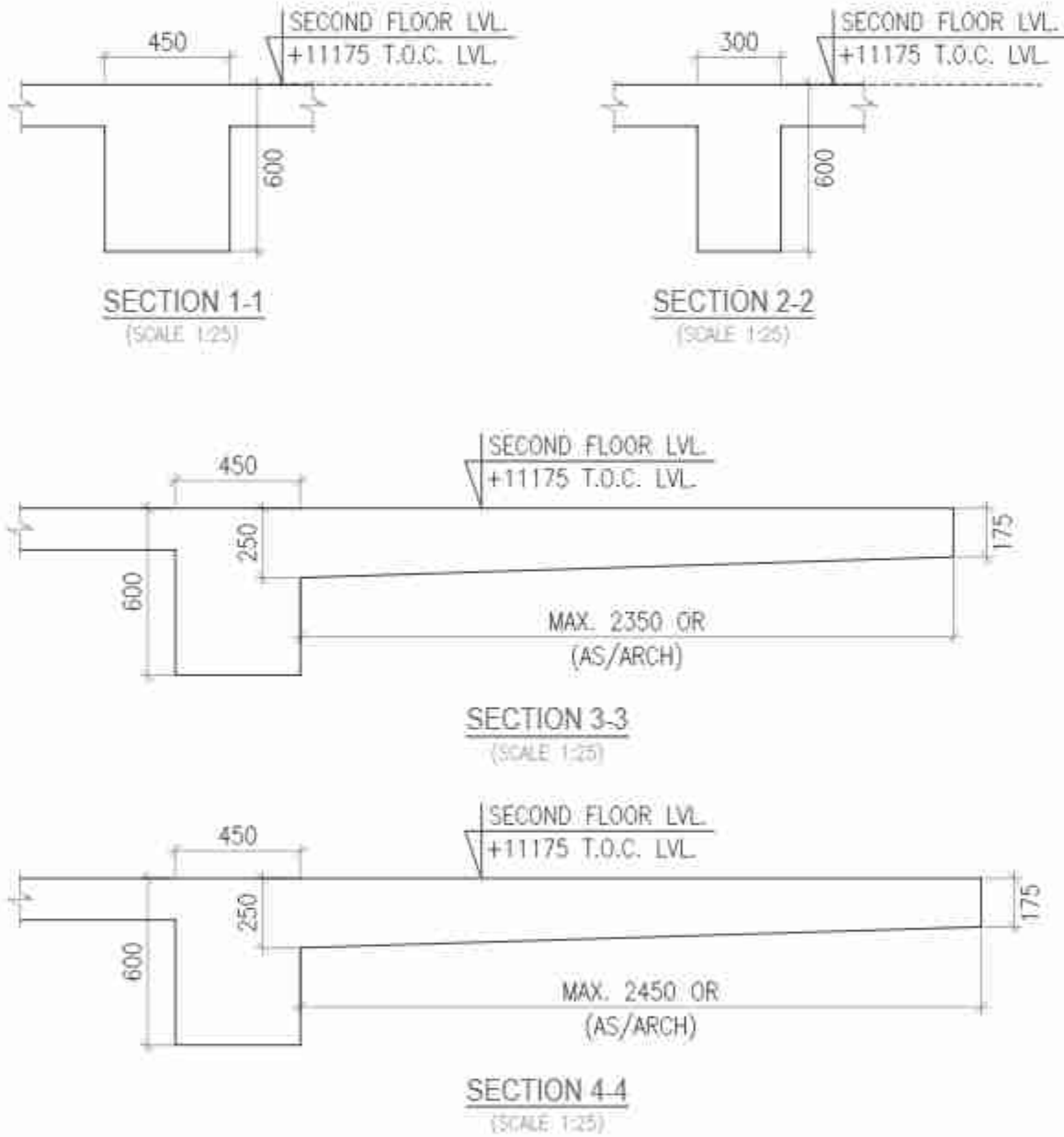
ARCHITECT :-
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T : +919995991 F 46599512
E : info@gpmindia.com / W : www.gpmindia.com

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|--------------------------|-----------------------------------|---|---|---|---|-----------------------|---|---|---|---|
| DRAWING TITLE | FIRST FLOOR LEVEL FRAMING PLAN | | | | | | | | | |
| DRAWING NO. :- | 5 | 5 | 3 | 8 | 2 | 1 | 5 | 0 | 4 | A |
| SCALE: AS SHOWN | DATE: 13.06.2023 | | | | | SHEET NO. :- 01 OF 01 | | | | |
| DRAWN BY: HK | DESIGNED BY: SJ | | | | | APPROVED BY: AGU | | | | |
| STATUS :- FOR SUBMISSION | | | | | | REVISION NO. :- R0 | | | | |



SPECIAL NOTES:-

- MILD STEEL CIRCULAR SLEEVE SHALL BE PROVIDED (IF REQUIRED) IN BEAMS AT THE TIME OF CASTING ONLY.
- ADDITIONAL REINFORCEMENT SHALL BE PROVIDED NEAR SLAB & BEAM OPENING AS PER GIVEN DETAILS
- BEAMS SHALL BE PLACED TO COLUMN FACE OR AS PER MASONRY WALL LAYOUT GIVEN IN ARCHITECTURAL DRAWING OR AS PER DIMENSIONS GIVEN IN FRAMING PLAN. ALL SECONDARY BEAMS SHALL BE PLACED EQUALLY IN BETWEEN PRIMARY BEAMS (UNLESS MENTIONED).
- ALL SUNKEN AREAS AND SUNKEN DEPTH SHOWN ARE BASED ON INPUTS FROM ARCHITECTURAL DRAWINGS AND SERVICE CONSULTANTS. ALL SUNKEN AREAS SHALL BE FILLED WITH LIGHT WEIGHT MATERIAL OF DENSITY NOT MORE THAN 1000KG/M²
- DOWEL BARS FOR ELEVATION FEATURE/ FUTURE CONSTRUCTION SHALL BE PROVIDED WHILE CASTING WITH PROPER SHEAR KEY.
- FOR THE PURPOSE OF LOADING MASONRY UNIT CONSIDERED AS LIGHT WEIGHT AAC BLOCKS – CUMULATIVE DENSITY OF 1000KG/M².
- BASED ON ARCHITECTURAL DRAWINGS MASONRY LAYOUT HAS BEEN SHOWN ON FRAMING PLAN FOR REFERENCE ONLY. ANY DEVIATION SHALL BE BROUGHT IN NOTICE OF STRUCTURAL CONSULTANT.
- ALL MASONRY WALL ERECTION SHALL BE DONE AS PER DRAWING No.- 5538-10-101A
- CONSTRUCTION MATERIAL SHALL NOT BE STACKED ON FLOOR SLAB BEYOND LIVE LOAD CAPACITY OF SLAB.
- PRE CAMBER IN SHUTTERING SHALL BE PROVIDED AS MENTIONED IN FRAMING PLAN.
- AT BEAM / DROP PANEL – COLUMN / SHEAR WALL JUNCTION CONCRETE GRADE OF COLUMN SHALL BE USED AT OFFSET OF 600 MM ALL AROUND COLUMN / SHEAR WALL FACE.
- ALL CONSTRUCTION JOINTS SHALL BE PLANNED BY SITE TEAM AND SHALL BE SEND TO STRUCTURAL CONSULTANT FOR APPROVAL PRIOR TO EXECUTION. NO CONSTRUCTION JOINTS SHALL BE PROVIDED FOR CANTILEVER PROJECTIONS.
- CONTRACTOR TO EVALUATE LOADING FROM UPPER FLOOR (DURING ITS CASTING) AND PROVIDE REQUIRED PROPOS TO LOWER SLAB LEVELS ACCORDINGLY.
- FLOOR SLAB AND BEAM DESIGNED FOR FOLLOWING LOADING:-
 - A. LIVE LOAD AS PER IS : 875 (LATEST REVISION)
 - B. FLOOR FINISH THICKNESS – 100MM



GENERAL INSTRUCTION & NOTES:-

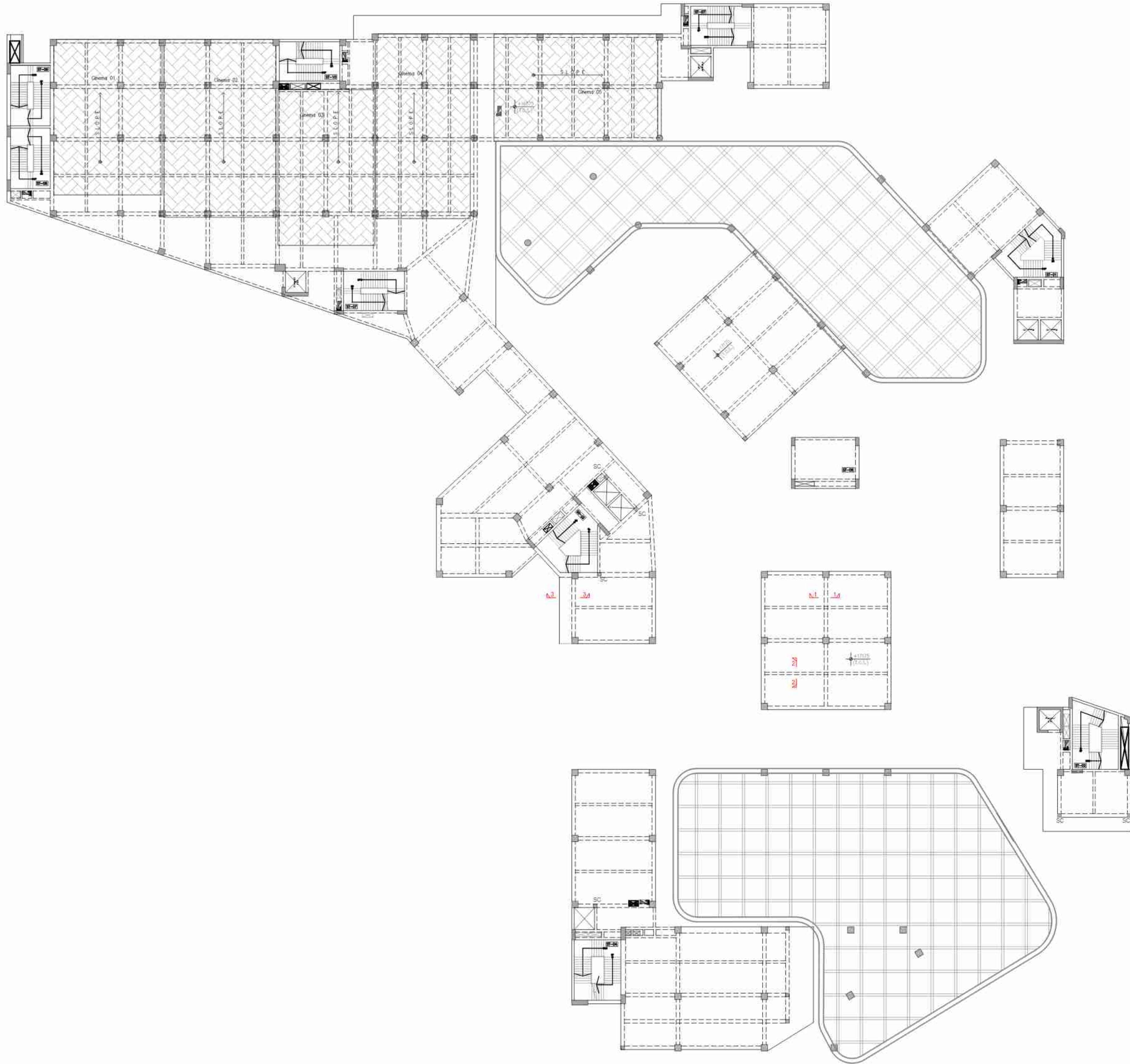
- ALL DIMENSIONS SHOWN ARE IN MM. (UNLESS MENTIONED).
- ALWAYS FOLLOW WRITTEN DIMENSIONS ONLY. DO NOT MEASURE ANY DIMENSION.
- THIS DRAWING SHALL BE READ WITH GENERAL NOTES ISSUED IN DRAWING No.- 5538-13-101A
- FE 5000 COMPLIANCE TO IS : 1786 (LATEST REVISION) SHALL BE USED FOR ALL REINFORCEMENT BARS.
- FOR CONCRETE WORK USE CONCRETE GRADE OF M30 COMPLIANCE TO IS : 456 (LATEST REVISION) (UNLESS MENTIONED).
- INDICATES SLAB THICKNESS.
■ INDICATES SLAB PANEL NO. FOR R/F, DETAILS
- U/T INDICATES PARTIALLY OR FULLY UPTURN BEAM
- FOR SLAB REINFORCEMENT DETAILS REFER DRAWING No.- 5538-21-605A
- FOR BEAM REINFORCEMENT DETAILS REFER DRAWING No.- 5538-21-705A
- STAIRCASE/RAMPS DETAILS SHALL BE REFERRED FROM RELEVANT ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- ALL LEVEL MENTIONED IN FRAMING PLAN SHALL BE CROSS CHECKED WITH RELEVANT ARCHITECTURAL DRAWINGS.
- CLEAR COVER TO CONCRETE SHALL BE AS FOLLOWS:
BEAMS-25MM (ALL SIDES) FROM FACE OF STIRRUPS
SLABS-20MM (TOP & BOTTOM)

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| R0 | FOR SUBMISSION | 13.06.2023 |
| REV. NO. | DESCRIPTION | DATE |

PROJECT :-
PROPOSED STRUCTURAL DRAWINGS OF COMMERCIAL COLONY AREA MEASURING 3.9625 ACRES (LICENCE NO. 47 DATED 18/04/2022) IN SECTOR-89, GURUGRAM BEING DEVELOPED BY SMART ARENA HOMETOWN LLP IN COLLABORATION WITH PEERRAGE BUILDWELL PVT. LTD.

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|--------------------------|------------------------------------|---|---|---|-------------------------|-----------------------|---|---|---|---|
| DRAWING TITLE | SECOND FLOOR LEVEL FRAMING PLAN | | | | | | | | | |
| DRAWING NO. :- | 5 | 5 | 3 | 8 | 2 | 1 | 5 | 0 | 5 | A |
| SCALE: AS SHOWN | DATE: 13.06.2023 | | | | SHEET NO.:- 01 OF 01 | | | | | |
| DRAWN BY: HK | DESIGNED BY: SJ | | | | APPROVED BY:- AGU | | | | | |
| STATUS :- FOR SUBMISSION | | | | | | REVISION NO. :- RO | | | | |



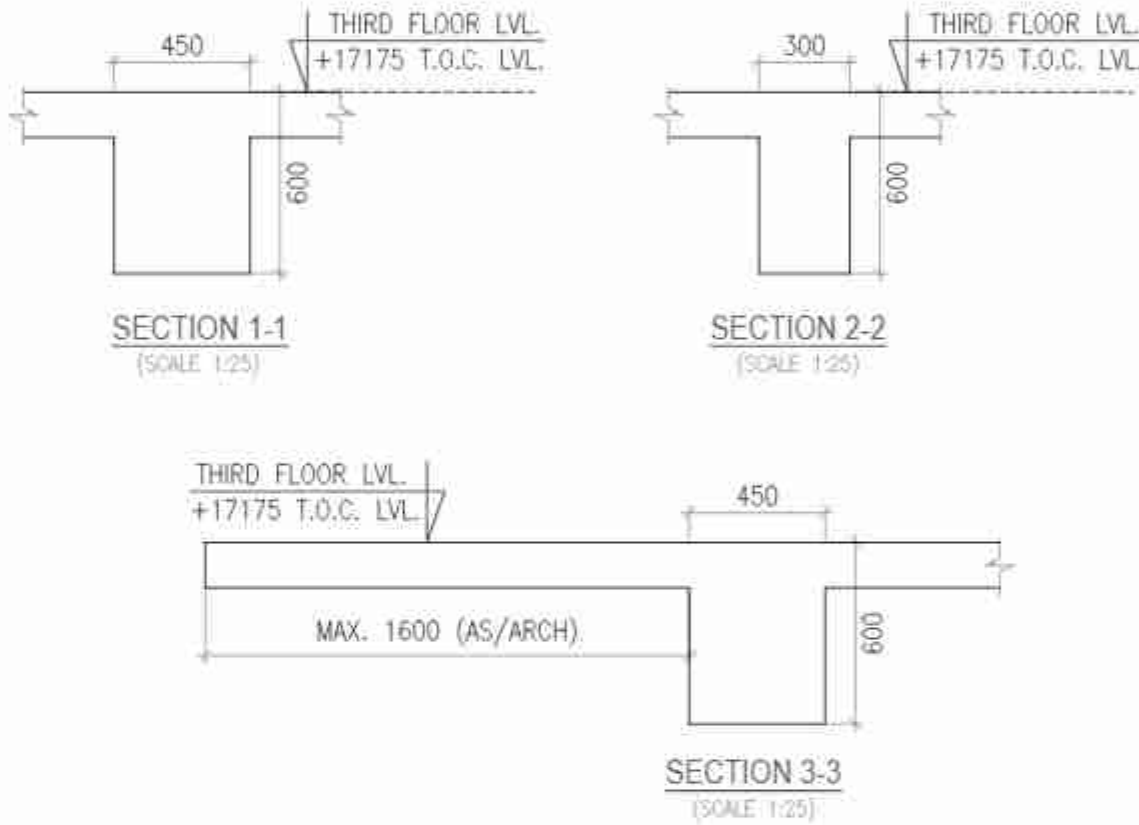
THIRD FLOOR LVL. FRAMING PLAN
(ROOF OF SECOND FLOOR)

(SCALE 1:300)
(ALL BEAM SHALL BE 450x600MM (UNLESS MENTIONED))
(ALL SLAB SHALL BE 150MM (UNLESS MENTIONED)).

- LEGENDS:
- HATCH INDICATE COLUMN CONTINUOUS.
 - HATCH INDICATE COLUMN/SHEAR WALL TERMINATE.
 - HATCH INDICATE STUB COLUMN.

SPECIAL NOTES:-

- MILD STEEL CIRCULAR SLEEVE SHALL BE PROVIDED (IF REQUIRED) IN BEAMS AT THE TIME OF CASTING ONLY.
- ADDITIONAL REINFORCEMENT SHALL BE PROVIDED NEAR SLAB & BEAM OPENING AS PER GIVEN DETAILS
- BEAMS SHALL BE PLACED TO COLUMN FACE OR AS PER MASONRY WALL LAYOUT GIVEN IN ARCHITECTURAL DRAWING OR AS PER DIMENSIONS GIVEN IN FRAMING PLAN. ALL SECONDARY BEAMS SHALL BE PLACED EQUALLY IN BETWEEN PRIMARY BEAMS (UNLESS MENTIONED).
- ALL SUNKEN AREAS AND SUNKEN DEPTH SHOWN ARE BASED ON INPUTS FROM ARCHITECTURAL DRAWINGS AND SERVICE CONSULTANTS. ALL SUNKEN AREAS SHALL BE FILLED WITH LIGHT WEIGHT MATERIAL OF DENSITY NOT MORE THAN 1000KG/M²
- DOWEL BARS FOR ELEVATION FEATURE/ FUTURE CONSTRUCTION SHALL BE PROVIDED WHILE CASTING WITH PROPER SHEAR KEY.
- FOR THE PURPOSE OF LOADING MASONRY UNIT CONSIDERED AS LIGHT WEIGHT AAC BLOCKS – CUMULATIVE DENSITY OF 1000KG/M².
- BASED ON ARCHITECTURAL DRAWINGS MASONRY LAYOUT HAS BEEN SHOWN ON FRAMING PLAN FOR REFERENCE ONLY. ANY DEVIATION SHALL BE BROUGHT IN NOTICE OF STRUCTURAL CONSULTANT.
- ALL MASONRY WALL ERECTION SHALL BE DONE AS PER DRAWING No.- [5494-10-101A]
- CONSTRUCTION MATERIAL SHALL NOT BE STACKED ON FLOOR SLAB BEYOND LIVE LOAD CAPACITY OF SLAB.
- PRE CAMBER IN SHUTTERING SHALL BE PROVIDED AS MENTIONED IN FRAMING PLAN.
- AT BEAM / DROP PANEL – COLUMN / SHEAR WALL JUNCTION CONCRETE GRADE OF COLUMN SHALL BE USED AT OFFSET OF 600 MM ALL AROUND COLUMN / SHEAR WALL FACE.
- ALL CONSTRUCTION JOINTS SHALL BE PLANNED BY SITE TEAM AND SHALL BE SEND TO STRUCTURAL CONSULTANT FOR APPROVAL PRIOR TO EXECUTION. NO CONSTRUCTION JOINTS SHALL BE PROVIDED FOR CANTILEVER PROJECTIONS.
- CONTRACTOR TO EVALUATE LOADING FROM UPPER FLOOR (DURING ITS CASTING) AND PROVIDE REQUIRED PROPOS TO LOWER SLAB LEVELS ACCORDINGLY.
- FLOOR SLAB AND BEAM DESIGNED FOR FOLLOWING LOADING:-
 - A. LIVE LOAD AS PER IS : 875 (LATEST REVISION)
 - B. FLOOR FINISH THICKNESS – [100MM]




GENERAL INSTRUCTION & NOTES:-

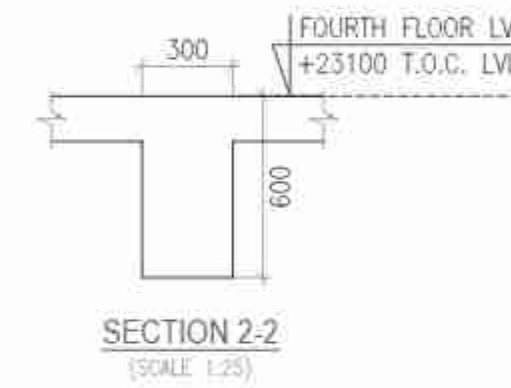
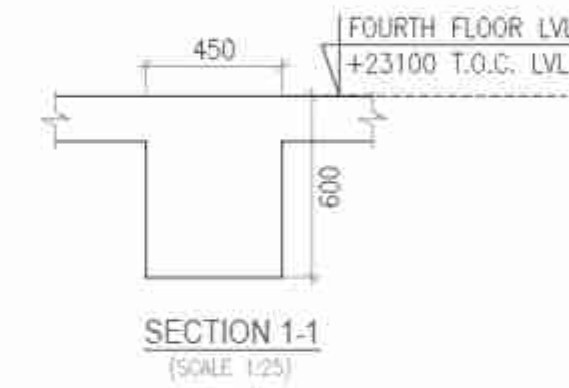
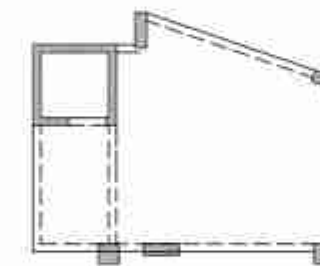
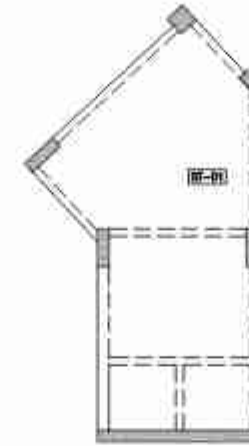
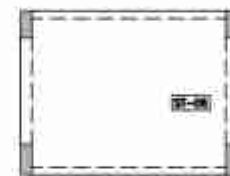
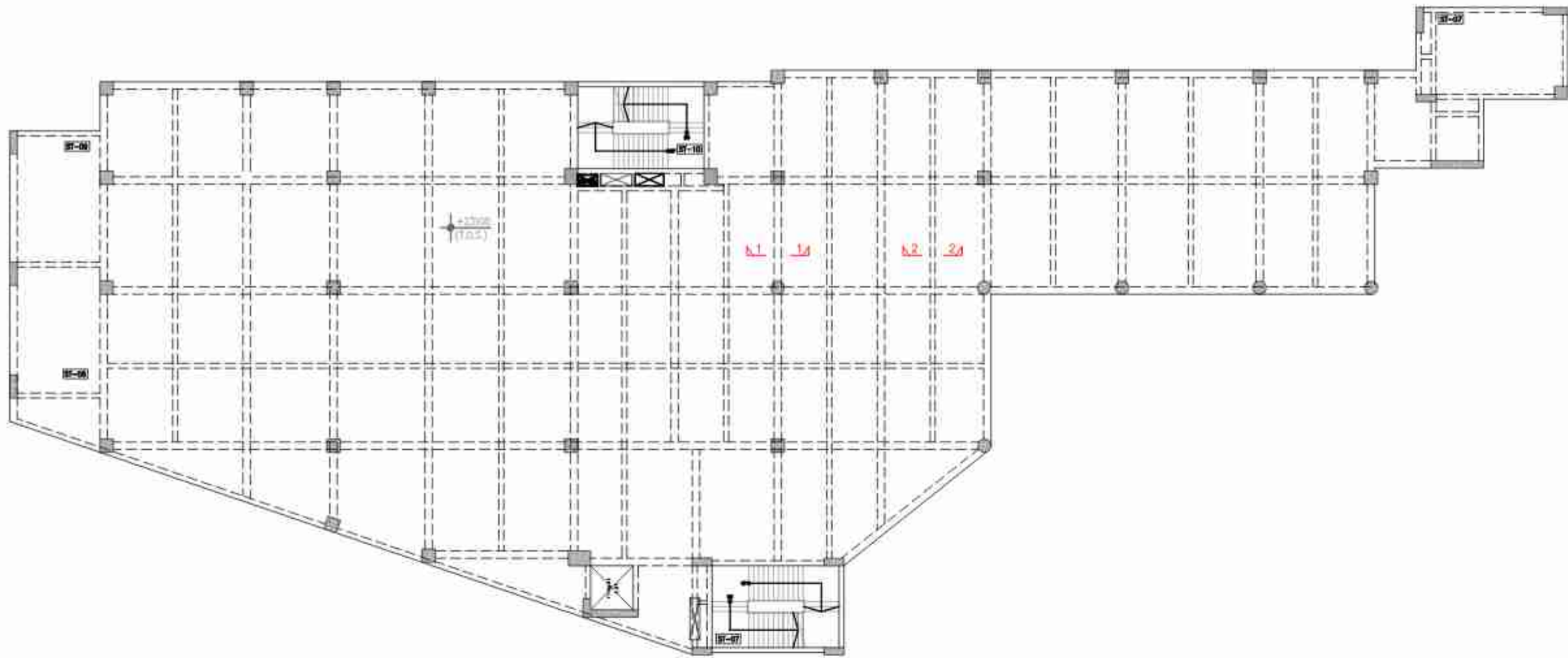
- ALL DIMENSIONS SHOWN ARE IN MM. (UNLESS MENTIONED).
- ALWAYS FOLLOW WRITTEN DIMENSIONS ONLY. DO NOT MEASURE ANY DIMENSION.
- THIS DRAWING SHALL BE READ WITH GENERAL NOTES ISSUED IN DRAWING No.- [5538-13-101A]
- [FE 5000] COMPLIANCE TO IS : 1786 (LATEST REVISION) SHALL BE USED FOR ALL REINFORCEMENT BARS.
- FOR CONCRETE WORK USE CONCRETE GRADE OF [M30] COMPLIANCE TO IS : 456 (LATEST REVISION) (UNLESS MENTIONED).
- INDICATES SLAB THICKNESS.
■ INDICATES SLAB PANEL NO. FOR R/F, DETAILS
- U/T INDICATES PARTIALLY OR FULLY UPTURN BEAM
- FOR SLAB REINFORCEMENT DETAILS REFER DRAWING No.- [5538-21-606A]
- FOR BEAM REINFORCEMENT DETAILS REFER DRAWING No.- [5538-21-706A]
- STAIRCASE/RAMPS DETAILS SHALL BE REFERRED FROM RELEVANT ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- ALL LEVEL MENTIONED IN FRAMING PLAN SHALL BE CROSS CHECKED WITH RELEVANT ARCHITECTURAL DRAWINGS.
- CLEAR COVER TO CONCRETE SHALL BE AS FOLLOWS:
BEAMS-[25MM] (ALL SIDES) FROM FACE OF STIRRUPS
SLABS-[20MM] (TOP & BOTTOM)

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| R0 | FOR SUBMISSION | 13.06.2023 |
| REV. NO. | DESCRIPTION | DATE |

PROJECT :-
PROPOSED STRUCTURAL DRAWINGS OF COMMERCIAL COLONY AREA MEASURING 3.9625 ACRES (LICENCE NO. 47 DATED 18/04/2022) IN SECTOR-89, GURUGRAM BEING DEVELOPED BY SMART ARENA HOMETOWN LLP IN COLLABORATION WITH PEERRAGE BUILDWELL PVT. LTD.

ARCHITECT :-
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|--------------------------|-----------------------------------|---|---|---|---|-------------------------|---|---|---|---|
| DRAWING TITLE | THIRD FLOOR LEVEL FRAMING PLAN | | | | | | | | | |
| DRAWING NO. :- | 5 | 5 | 3 | 8 | 2 | 1 | 5 | 0 | 6 | A |
| SCALE: AS SHOWN | DATE: 13.06.2023 | | | | | SHEET NO :- 01 OF 01 | | | | |
| DRAWN BY: HK | DESIGNED BY: SJ | | | | | APPROVED BY :- AGU | | | | |
| STATUS :- FOR SUBMISSION | | | | | | REVISION NO. :- R0 | | | | |



| LEGENDS: | |
|----------|---|
| | HATCH INDICATE COLUMN CONTINUOUS. |
| | HATCH INDICATE COLUMN/SHEAR WALL TERMINATE. |
| | HATCH INDICATE STUB COLUMN. |

FOURTH FLOOR LVL. FRAMING PLAN
(ROOF OF THIRD FLOOR)
(SCALE 1:300)
(ALL BEAM SHALL BE 450x600MM (UNLESS MENTIONED))
(ALL SLAB SHALL BE 150MM (UNLESS MENTIONED)).

SPECIAL NOTES:-

- MILD STEEL CIRCULAR SLEEVE SHALL BE PROVIDED (IF REQUIRED) IN BEAMS AT THE TIME OF CASTING ONLY.
- ADDITIONAL REINFORCEMENT SHALL BE PROVIDED NEAR SLAB & BEAM OPENING AS PER GIVEN DETAILS
- BEAMS SHALL BE PLACED TO COLUMN FACE OR AS PER MASONRY WALL LAYOUT GIVEN IN ARCHITECTURAL DRAWING OR AS PER DIMENSIONS GIVEN IN FRAMING PLAN. ALL SECONDARY BEAMS SHALL BE PLACED EQUALLY IN BETWEEN PRIMARY BEAMS (UNLESS MENTIONED).
- ALL SUNKEN AREAS AND SUNKEN DEPTH SHOWN ARE BASED ON INPUTS FROM ARCHITECTURAL DRAWINGS AND SERVICE CONSULTANTS. ALL SUNKEN AREAS SHALL BE FILLED WITH LIGHT WEIGHT MATERIAL OF DENSITY NOT MORE THAN 1000KG/M²
- DOWEL BARS FOR ELEVATION FEATURE/ FUTURE CONSTRUCTION SHALL BE PROVIDED WHILE CASTING WITH PROPER SHEAR KEY.
- FOR THE PURPOSE OF LOADING MASONRY UNIT, CONSIDERED AS LIGHT WEIGHT AAC BLOCKS – CUMULATIVE DENSITY OF 1000KG/M².
- BASED ON ARCHITECTURAL DRAWINGS MASONRY LAYOUT HAS BEEN SHOWN ON FRAMING PLAN FOR REFERENCE ONLY. ANY DEVIATION SHALL BE BROUGHT IN NOTICE OF STRUCTURAL CONSULTANT.
- ALL MASONRY WALL ERECTION SHALL BE DONE AS PER DRAWING No.- [5494-10-101A]
- CONSTRUCTION MATERIAL SHALL NOT BE STACKED ON FLOOR SLAB BEYOND LIVE LOAD CAPACITY OF SLAB.
- PRE CAMBER IN SHUTTERING SHALL BE PROVIDED AS MENTIONED IN FRAMING PLAN.
- AT BEAM / DROP PANEL – COLUMN / SHEAR WALL JUNCTION CONCRETE GRADE OF COLUMN SHALL BE USED AT OFFSET OF 600 MM ALL AROUND COLUMN / SHEAR WALL FACE.
- ALL CONSTRUCTION JOINTS SHALL BE PLANNED BY SITE TEAM AND SHALL BE SEND TO STRUCTURAL CONSULTANT FOR APPROVAL PRIOR TO EXECUTION. NO CONSTRUCTION JOINTS SHALL BE PROVIDED FOR CANTILEVER PROJECTIONS.
- CONTRACTOR TO EVALUATE LOADING FROM UPPER FLOOR (DURING ITS CASTING) AND PROVIDE REQUIRED PROPOS TO LOWER SLAB LEVELS ACCORDINGLY.
- FLOOR SLAB AND BEAM DESIGNED FOR FOLLOWING LOADING:-
 - A. LIVE LOAD AS PER IS : 875 (LATEST REVISION)
 - B. FLOOR FINISH THICKNESS – [100MM]

GENERAL INSTRUCTION & NOTES:-

- ALL DIMENSIONS SHOWN ARE IN MM. (UNLESS MENTIONED).
- ALWAYS FOLLOW WRITTEN DIMENSIONS ONLY. DO NOT MEASURE ANY DIMENSION.
- THIS DRAWING SHALL BE READ WITH GENERAL NOTES ISSUED IN DRAWING No.- [5538-13-101A]
- [FE 5000] COMPLIANCE TO IS : 1786 (LATEST REVISION) SHALL BE USED FOR ALL REINFORCEMENT BARS.
- FOR CONCRETE WORK USE CONCRETE GRADE OF [M30] COMPLIANCE TO IS : 456 (LATEST REVISION) (UNLESS MENTIONED).
- INDICATES SLAB THICKNESS.
 INDICATES SLAB PANEL NO. FOR R/F, DETAILS
- U/T INDICATES PARTIALLY OR FULLY UPTURN BEAM
- FOR SLAB REINFORCEMENT DETAILS REFER DRAWING No.- [5538-21-606A]
- FOR BEAM REINFORCEMENT DETAILS REFER DRAWING No.- [5538-21-706A]
- STAIRCASE/RAMPS DETAILS SHALL BE REFERRED FROM RELEVANT ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- ALL LEVEL MENTIONED IN FRAMING PLAN SHALL BE CROSS CHECKED WITH RELEVANT ARCHITECTURAL DRAWINGS.
- CLEAR COVER TO CONCRETE SHALL BE AS FOLLOWS:
BEAMS-[25MM] (ALL SIDES) FROM FACE OF STIRRUPS
SLABS-[20MM] (TOP & BOTTOM)

| REV. NO. | DESCRIPTION | DATE |
|----------|----------------|------------|
| R0 | FOR SUBMISSION | 13.06.2023 |

PROJECT :-
PROPOSED STRUCTURAL DRAWINGS OF COMMERCIAL COLONY AREA MEASURING 3.9625 ACRES (LICENCE NO. 47 DATED 18/04/2022) IN SECTOR-89, GURUGRAM BEING DEVELOPED BY SMART ARENA HOMETOWN LLP IN COLLABORATION WITH PEERRAGE BUILDWELL PVT. LTD.

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| DRAWING TITLE | | FOURTH FLOOR LEVEL FRAMING PLAN | |
|--------------------------|---------------------|------------------------------------|--|
| DRAWING NO. :- | 5 5 3 8 2 1 5 0 7 A | | |
| SCALE: AS SHOWN | DATE: 13.06.2023 | SHEET NO. :- 01 OF 01 | |
| DRAWN BY: HK | DESIGNED BY: SJ | APPROVED BY:- AGU | |
| STATUS :- FOR SUBMISSION | | REVISION NO. :- R0 | |