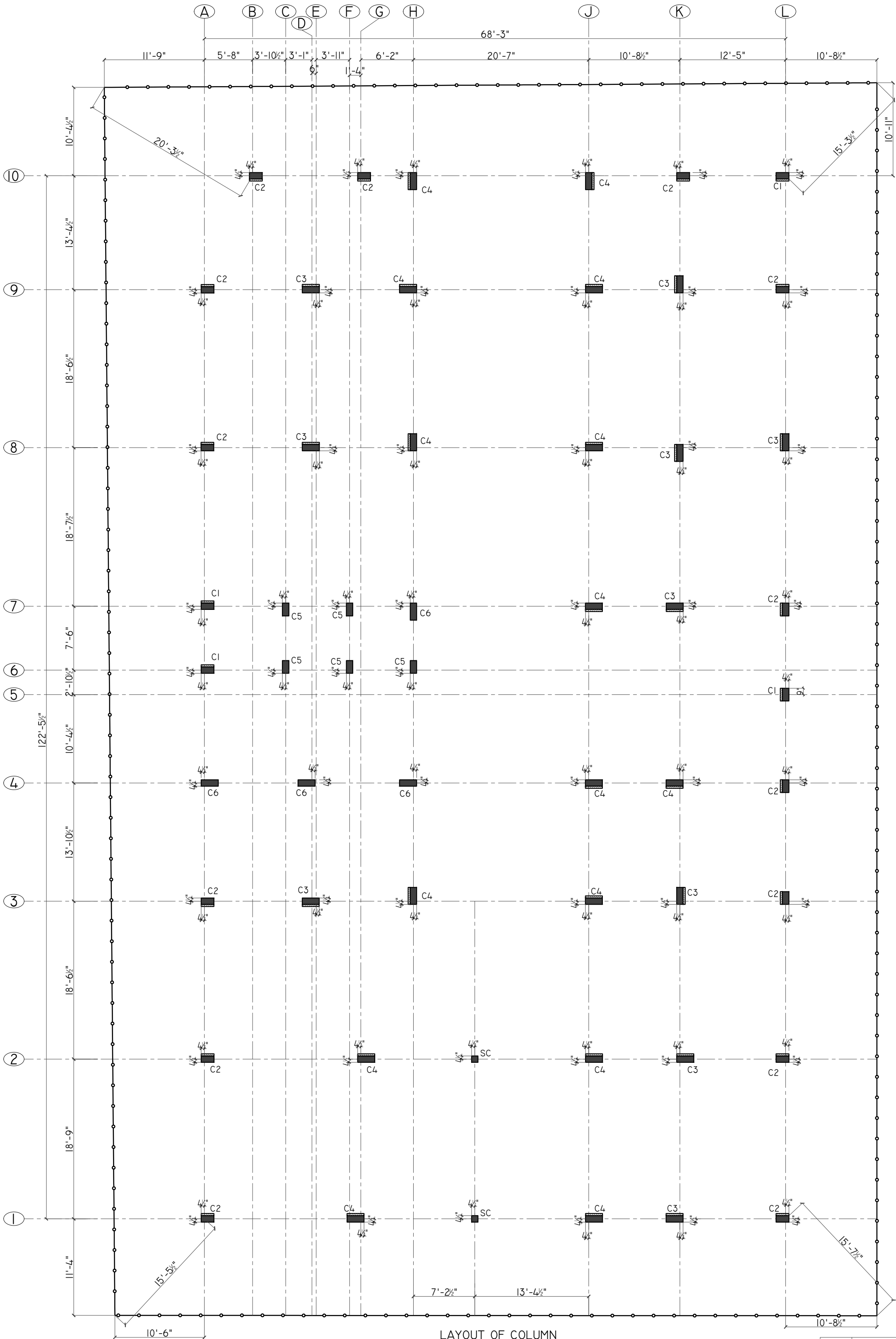
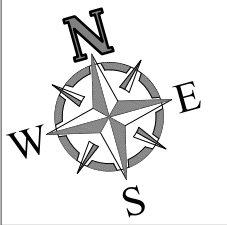




LAYOUT OF COLUMN

NOTE:

FOR COLUMN REINFORCEMENT  
DETAILS REFER DWG.NO : 001A

N.G.L - NATURAL GROUND LEVEL.

GENERAL NOTES:

- ALL DIMENSIONS ARE IN FOOT UNITS.
- CONCRETE GRADE SHALL BE **M25** CONFIRMING TO IS 456:2000
- GRADE OF REINFORCEMENT MARKED THUS (Y) SHALL BE **FE 500** CONFIRMING TO IS 1786-2008
- CLEAR COVER FOR REINFORCEMENT  
A) COLUMN = 1 1/2"
- THIS DRG. READ IN CONJECTION WITH ARCH.DRGS.
- COLUMNS AND FOOTINGS ARE DESIGNED FOR S+5 FLOOR LOADS AND SBC OF THE SOIL IS 250KN/SQM. @ 6'-10" BELOW N.G.L.
- STRUCTURAL ENGINEER RESPONSIBILITY IS LIMITED TO DESIGN & ISSUAL OF STRUCTURAL DRAWING ONLY
- ONUS OF CONSTRUCTION LIES WITH CONTRACTOR/OWNER

| COLUMN SCHEDULE |      |                 |                   |
|-----------------|------|-----------------|-------------------|
| S.NO.           | NAME | SIZE            |                   |
|                 |      | UPTO STILT ROOF | STILT ROOF TO TOP |
| 1.              | C1   | 1'-0" X 1'-6"   | 0'-9" X 1'-6"     |
| 2.              | C2   | 1'-0" X 1'-6"   | 0'-9" X 1'-6"     |
| 3.              | C3   | 1'-0" X 2'-0"   | 0'-9" X 2'-0"     |
| 4.              | C4   | 1'-0" X 2'-0"   | 0'-9" X 2'-0"     |
| 5.              | C5   | 0'-9" X 1'-6"   | 0'-9" X 1'-6"     |
| 6.              | C6   | 0'-9" X 2'-0"   | 0'-9" X 2'-0"     |
| 7.              | SC   | 0'-9" X 0'-9"   | UPTO PLINTH BEAM  |

**R. Manikandan**  
**R. MANIKANDAN, M.Tech, (Structures)**  
Registered Structural Engineer Grade I (RES),DTCP  
CGLRGN/SE/Gr-I/2019/09/036  
**AURA ENGINEERING CONSULTANTS**  
# 13/27, 67th Street, R.V. Nagar,  
Ashok Nagar, Chennai-600 083.  
Ph: 044-48597100 Cell: 9790751378

|      |                    |     |     |          |
|------|--------------------|-----|-----|----------|
| 00   | ISSUE FOR APPROVAL | A.P | R.M | 20.08.25 |
| REV. | DESCRIPTIONS       | DRN | CHK | DATE     |

PROJECT :-  
PROPOSED CONSTRUCTION OF RESIDENTIAL APARTMENT BUILDING  
IN PLOT NO.2A, T.S NO:33, WARD NO. D, BLOCK NO. 23 AT  
NAMAKKAL VILLAGE, NAMAKKAL TALUK, NAMAKKAL CORPORATION,  
NAMAKKAL DISTRICT.  
(ONLINE APPLICATION NO: SWP/BPA/0551197/2025)  
SWP/ DTCP/ NKL/ BP NO: 29/2025

DRAWING TITLE :-  
LAYOUT & R.C DETAILS OF COLUMN

|          |          |        |        |
|----------|----------|--------|--------|
| DATE     | SCALE    | JOB.NO | DRG.NO |
| 20.08.25 | 1" : 11' | -----  | 001    |

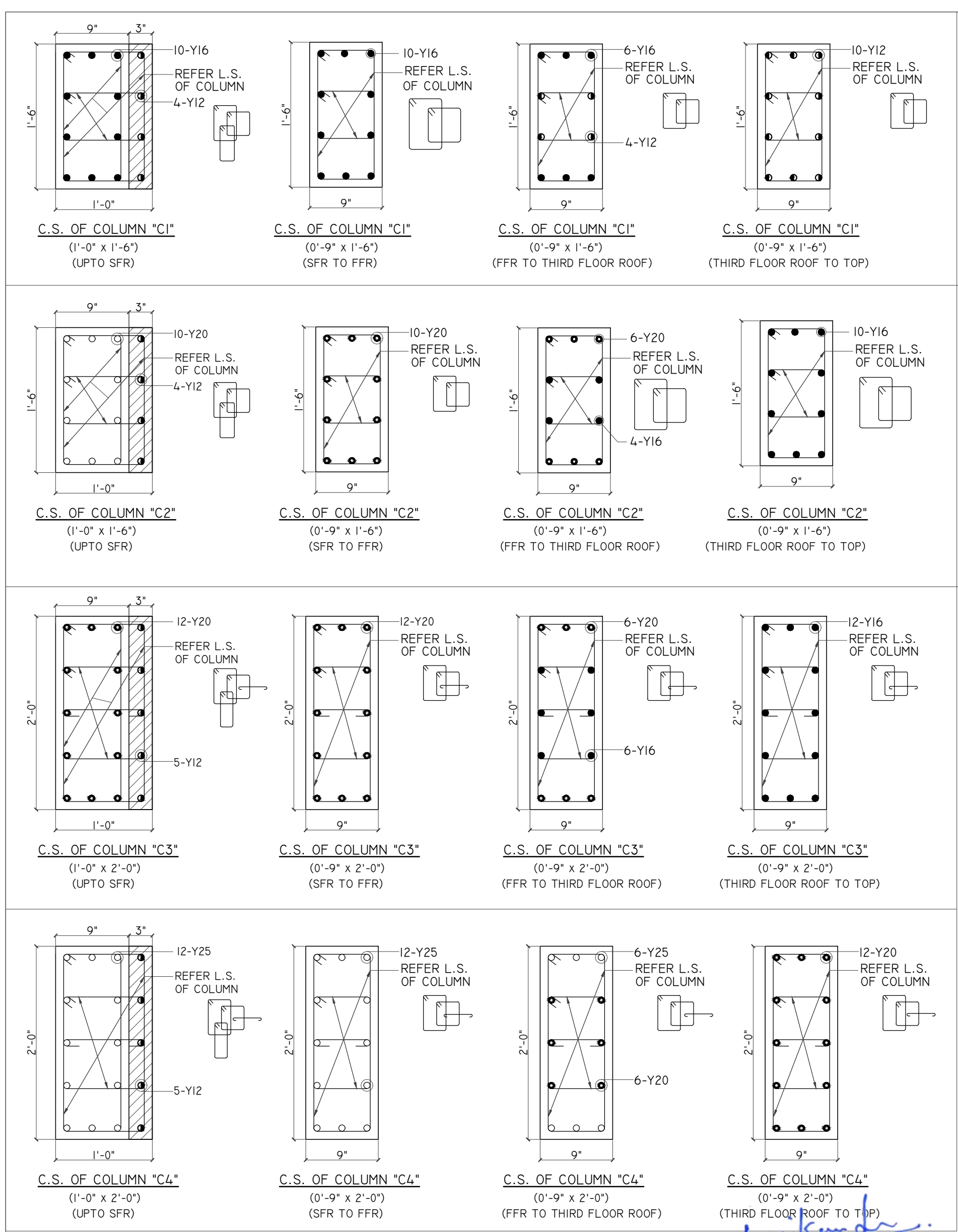
ARCHITECT / CONSULTANTS :-



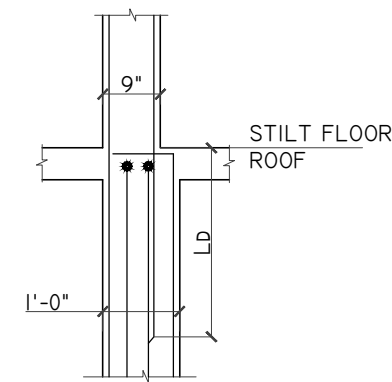
STRUCTURAL CONSULTANTS :-

**AURA ENGINEERING CONSULTANTS**  
#8, 50th St, Sarvamangala Colony, 7th Avenue,  
ASHOK NAGAR, CHENNAI- 600 083.  
Fixed Line :- 044 4859 7100  
projects.auraengg@gmail.com  
projects@auraengineers.co.in  
http://auraengineers.co.in/

THIS DRAWING IS THE PROPERTY OF M/s. AURA ENGINEERING CONSULTANTS. AND MUST NOT BE COPIED WITHOUT THEIR WRITTEN CONSENT. NOR MADE KNOWN TO THE THIRD PARTY.



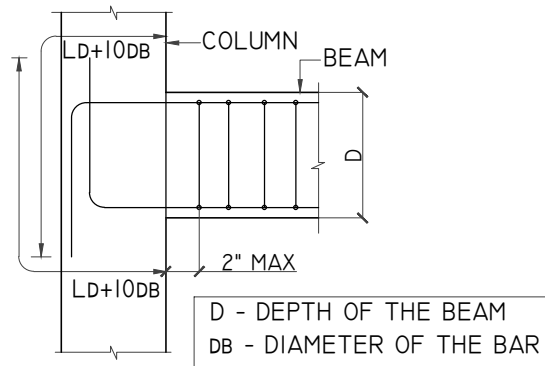
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|-----------------|------|-----------------|-------------------|
| S.NO.           | NAME | SIZE            |                   |
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| 7.              | SC   | 0'-9" X 0'-9"   | UPTO PLINTH BEAM  |



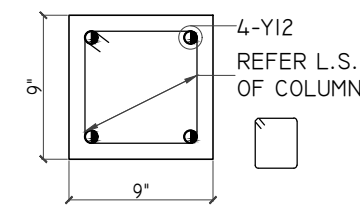
TYPICAL COLUMN  
REDUCTION DETAILS

**R. MANIKANDAN, M.Tech, (Structures)**  
Registered Structural Engineer Grade I (RES),DTCP  
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Phone: 044-48597100 Cell: 9790751378

N.G.L - NATURAL GROUND LEVEL.  
S.F.R - STILT FLOOR ROOF.  
F.F.R - FIRST FLOOR ROOF.  
CNC - CAN BE NON PLASTIC WELL GRADED  
CLEAN RIVER SAND/ SAND:GRAVEL MIX

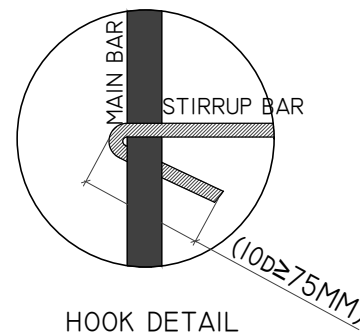


TYP. EXTERNAL JOINT DETAIL AT  
BEAM-COLUMN JUNCTION



C.S. OF COLUMN "SC"  
(0'-9" x 0'-9")

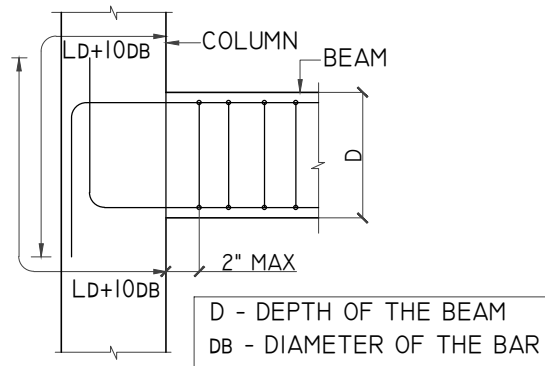
SC - STUB COLUMN UPTO  
PLINTH BEAM



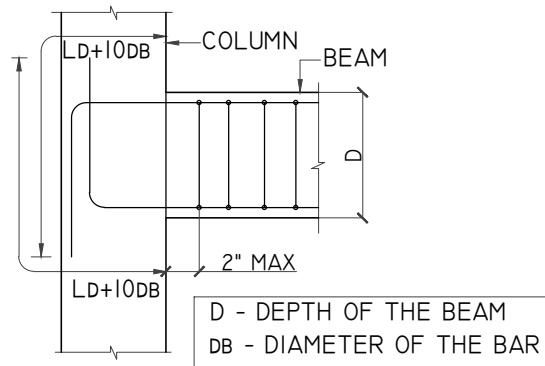
ALL HOOKS SHOULD BE BENT TO AN  
ANGLE OF 135° WITH A LENGTH NOT  
LESS THAN 75 MM

WHEREVER LAP SPLICES AND CONFINING  
TIES ARE NOT REQUIRED, SPACING OF  
LATERAL TIES SHALL BE Y8 @ 200 C/C.

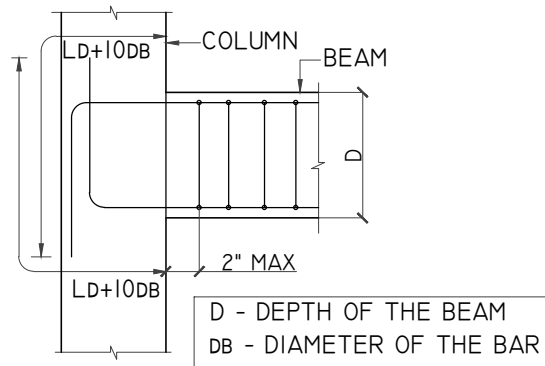
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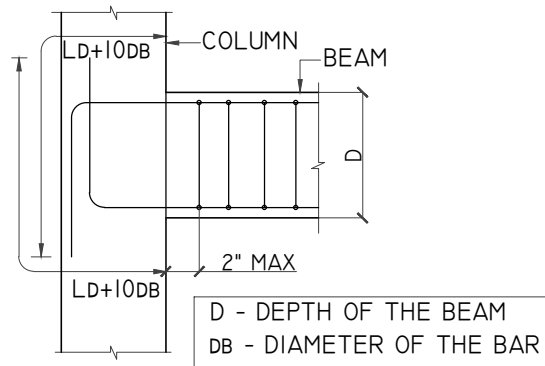
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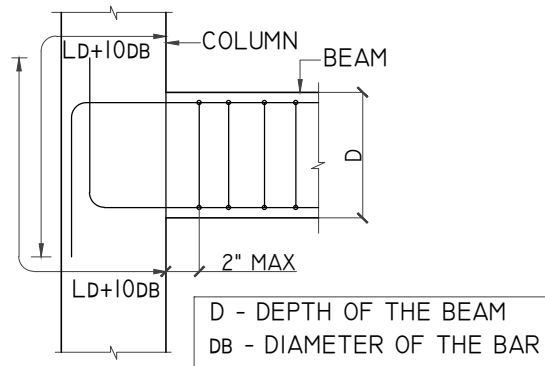
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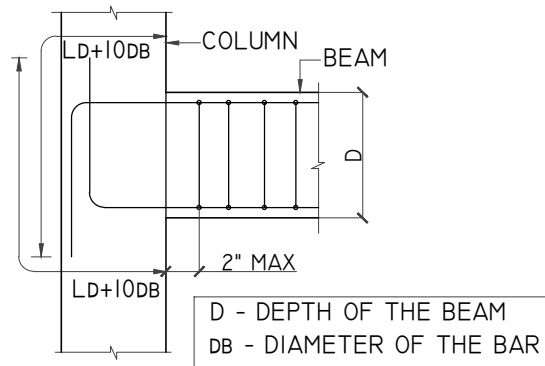
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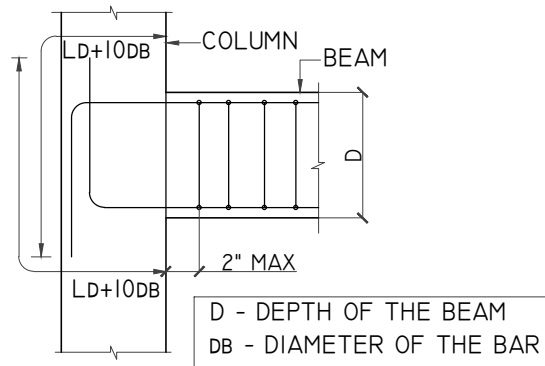
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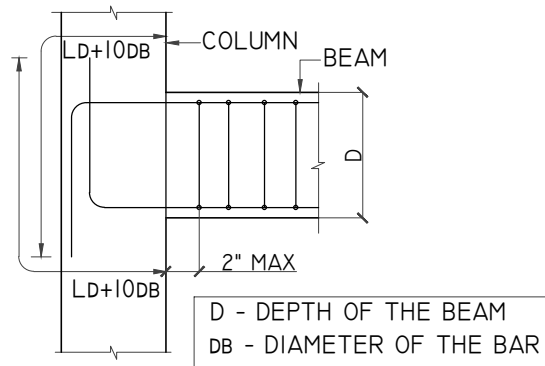
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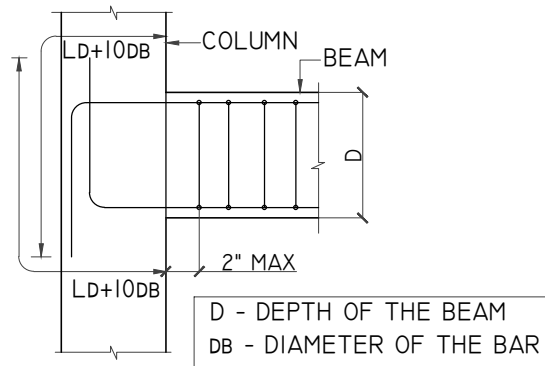
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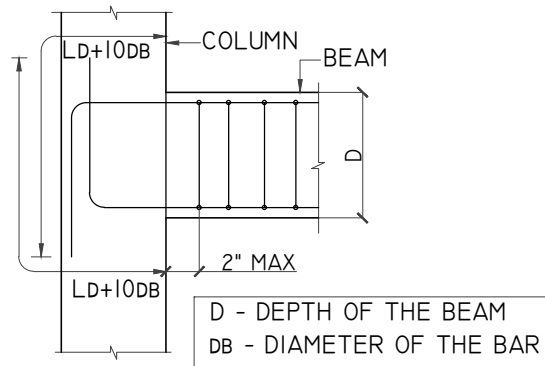
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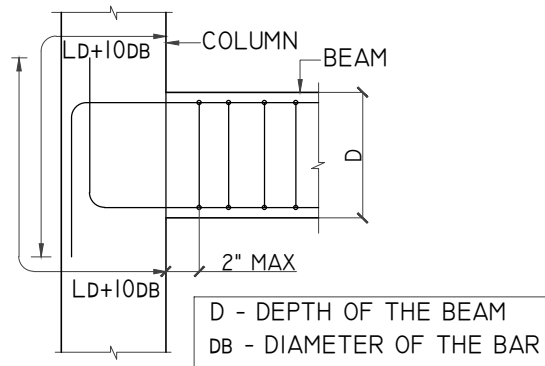
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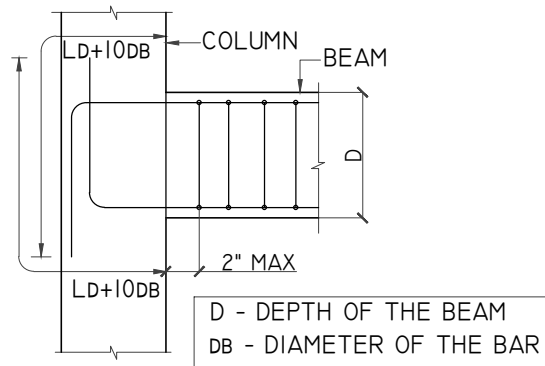
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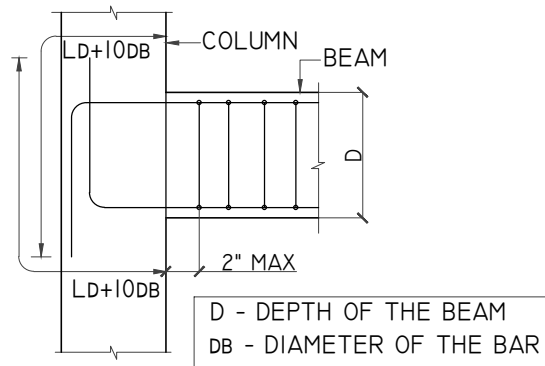
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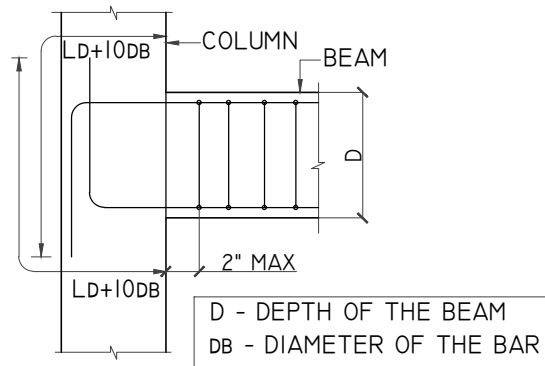
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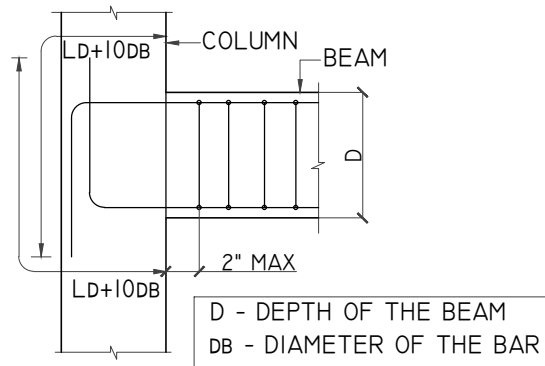
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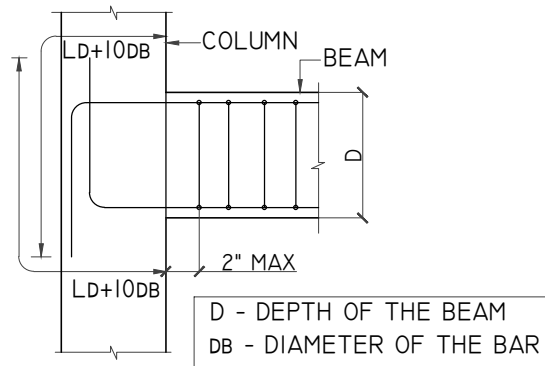
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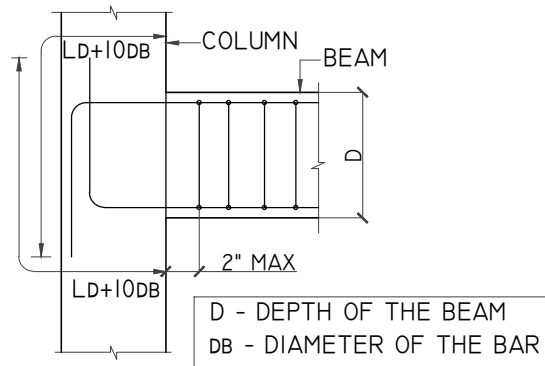
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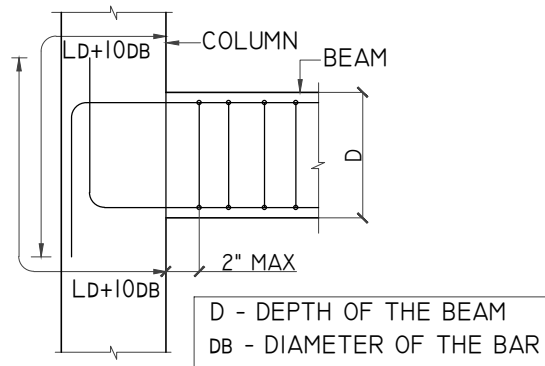
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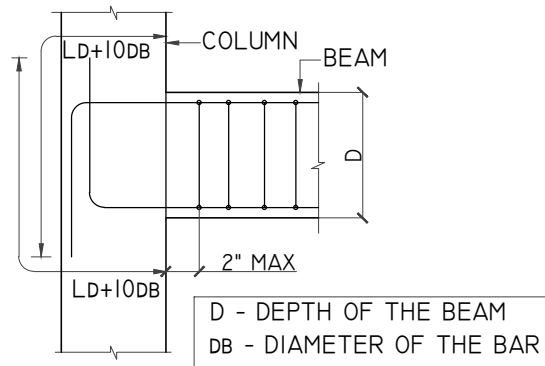
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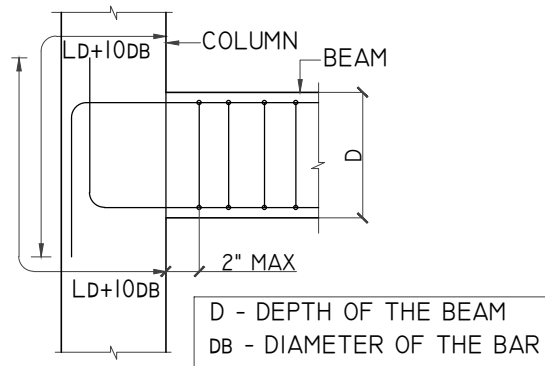
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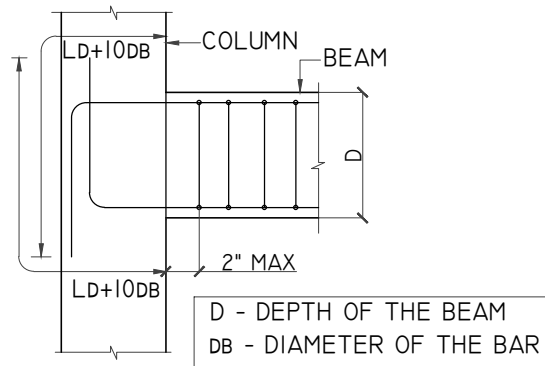
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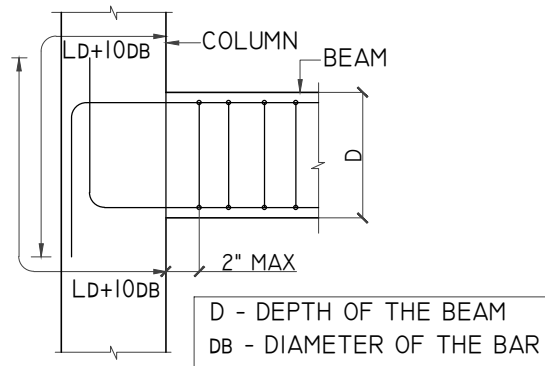
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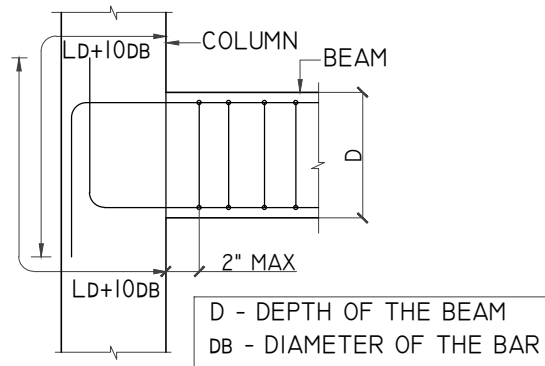
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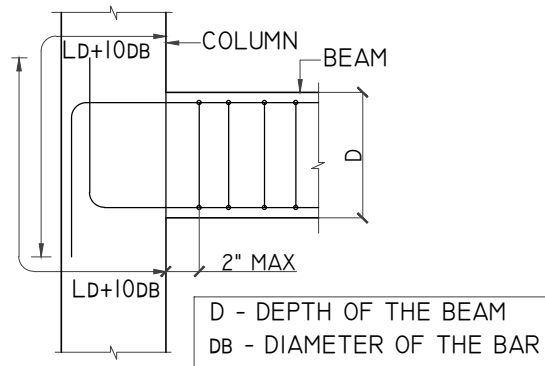
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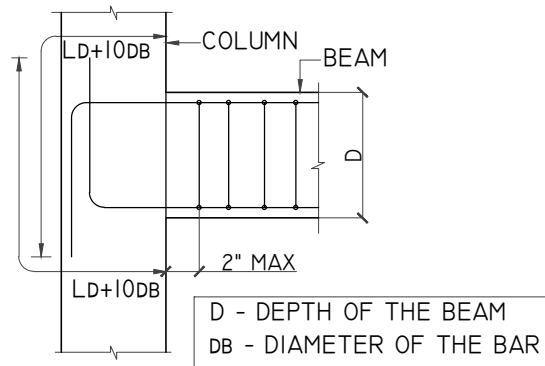
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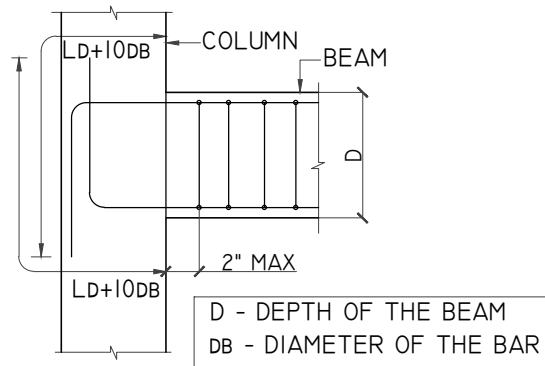
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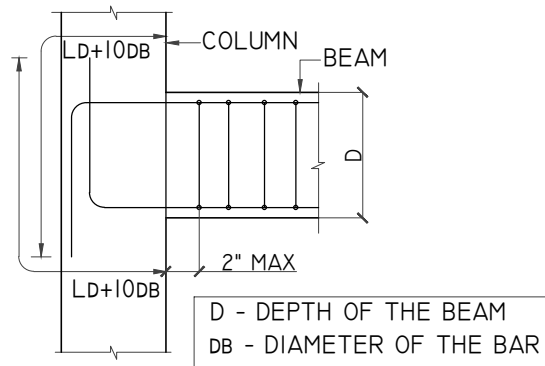
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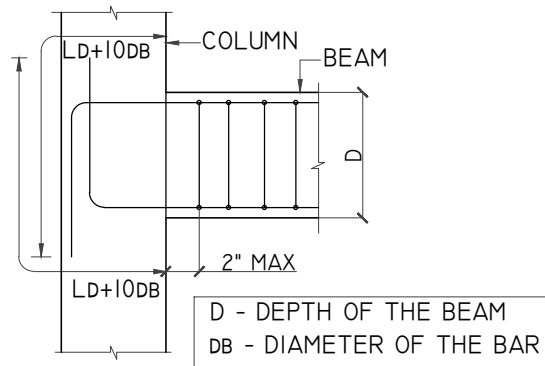
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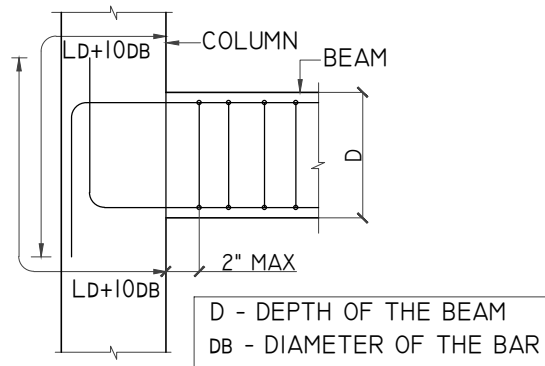
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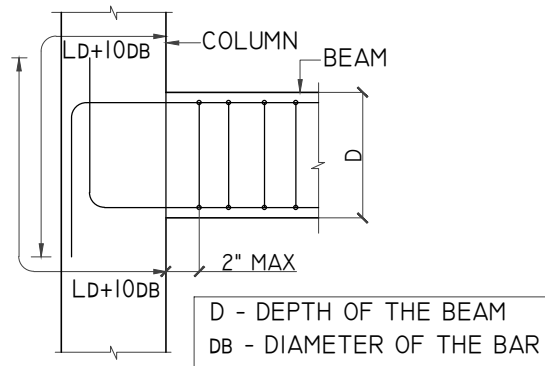
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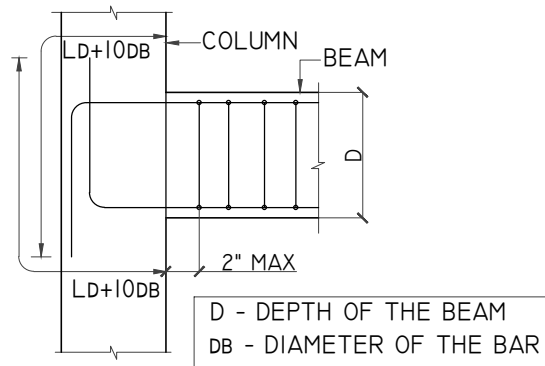
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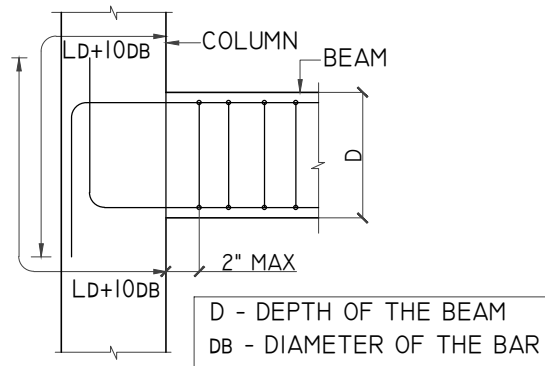
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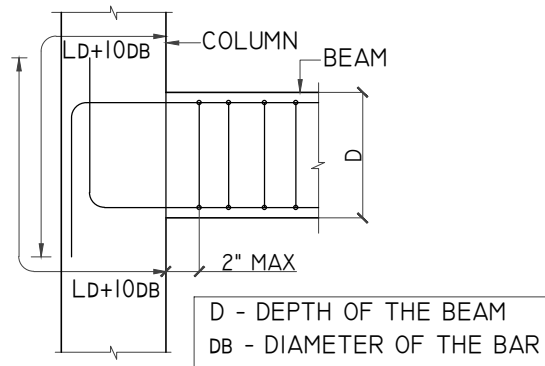
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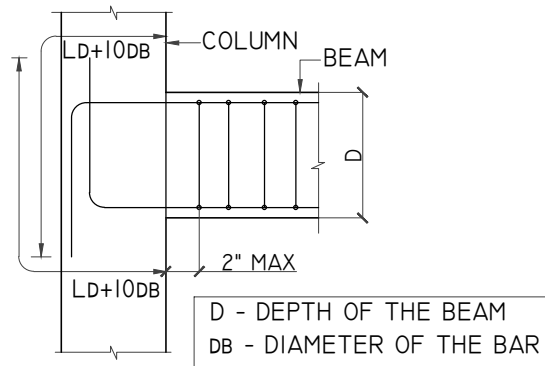
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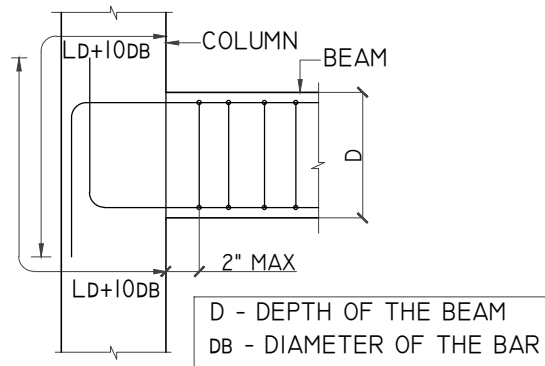
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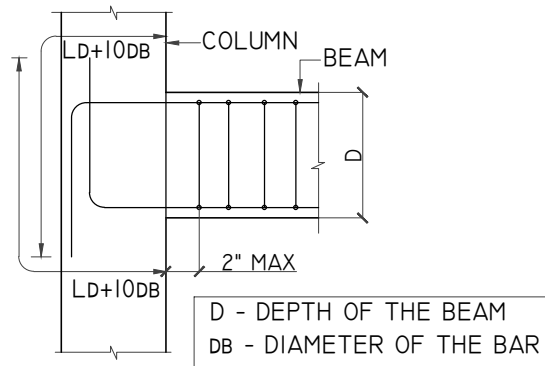
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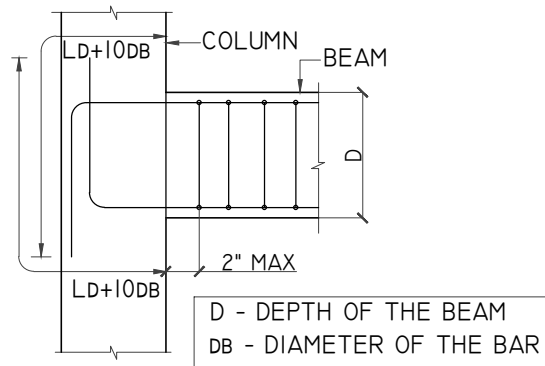
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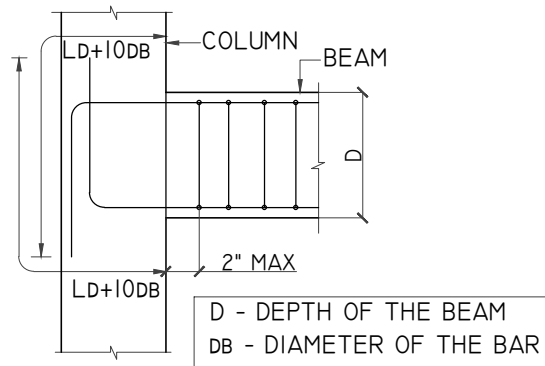
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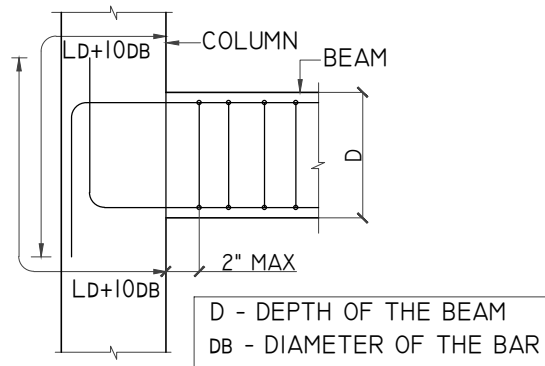
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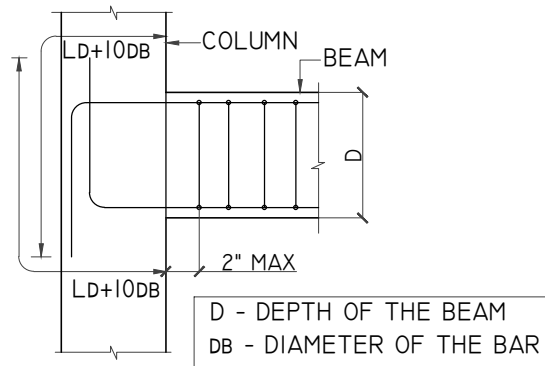
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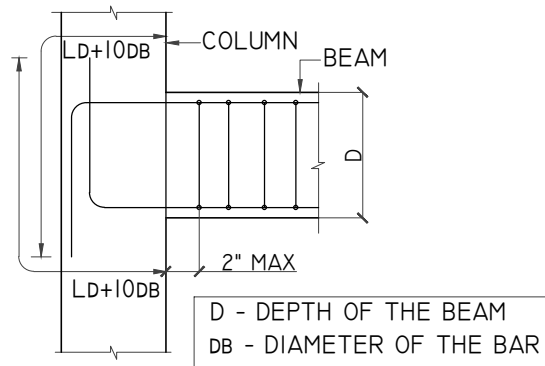
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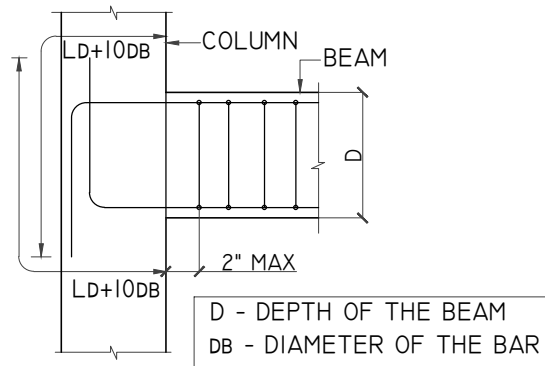
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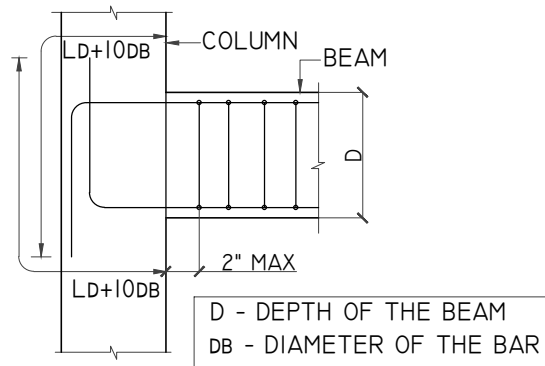
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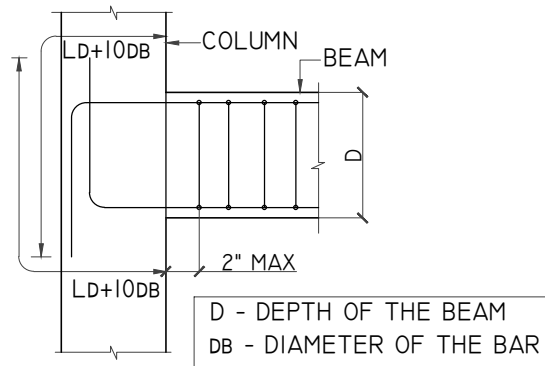
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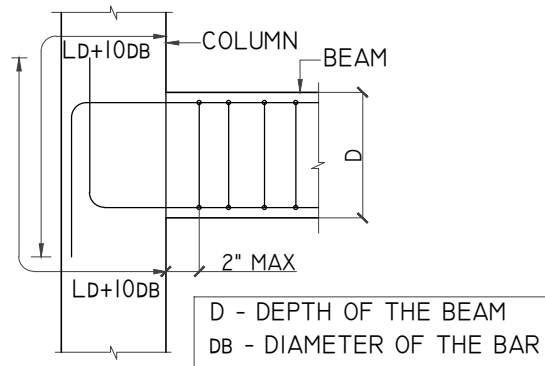
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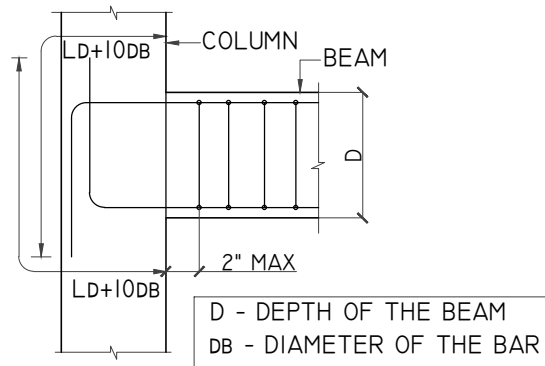
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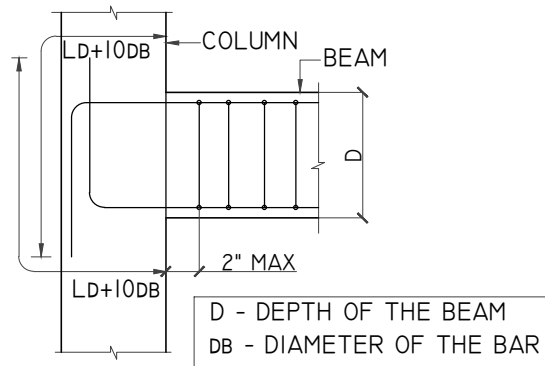
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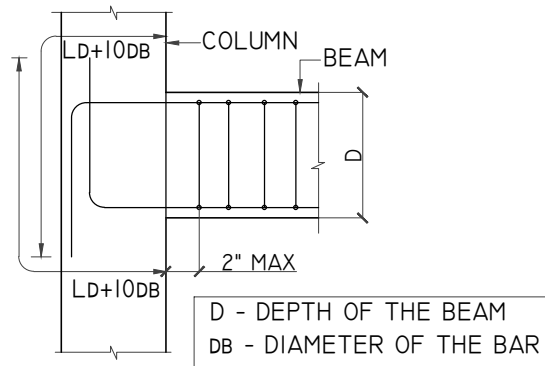
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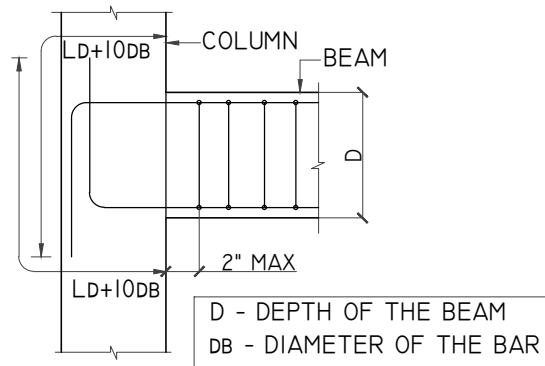
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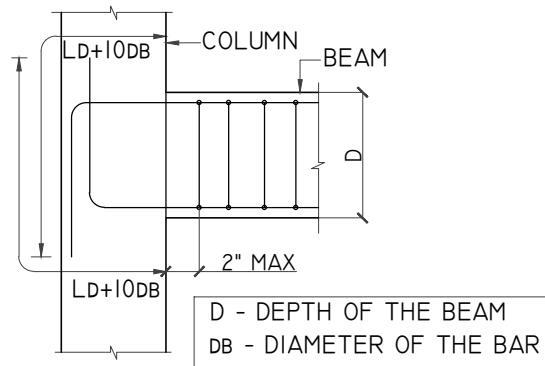
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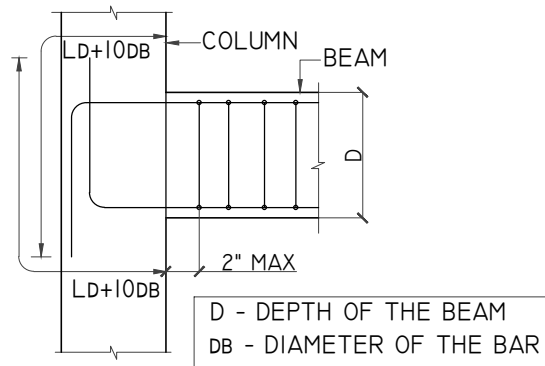
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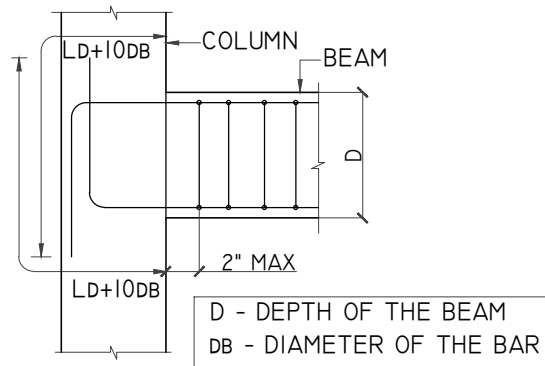
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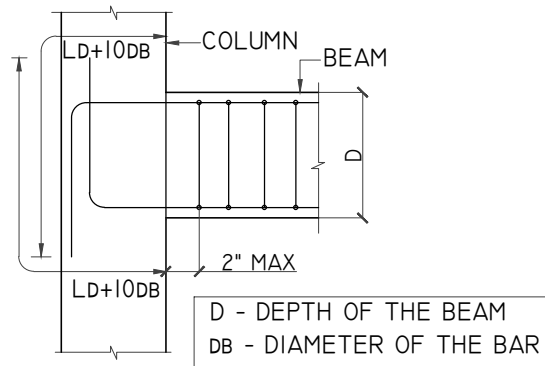
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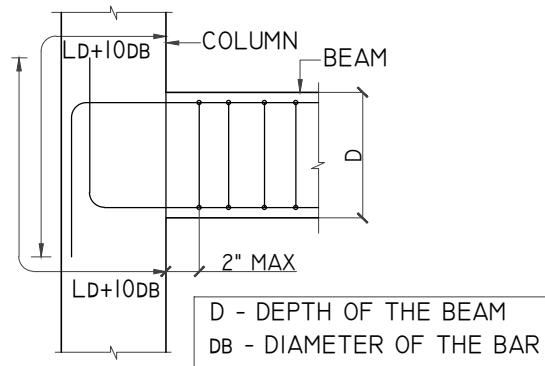
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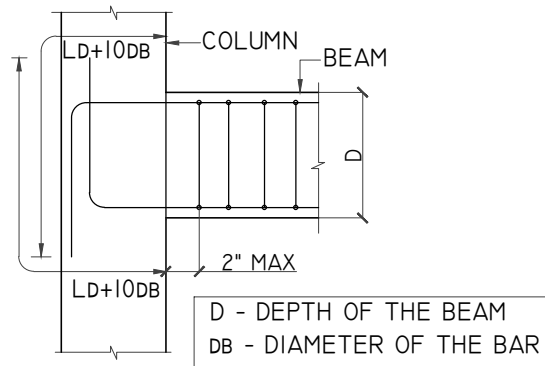
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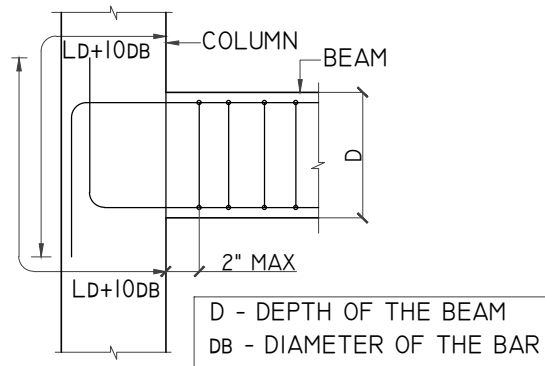
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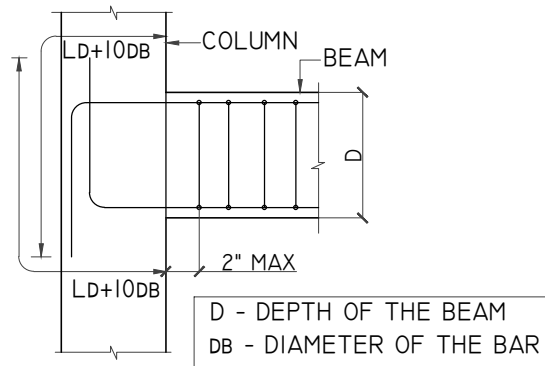
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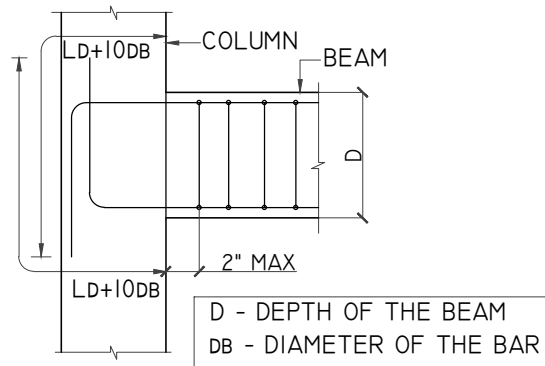
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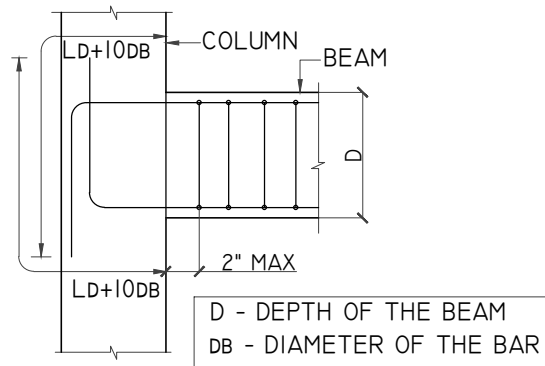
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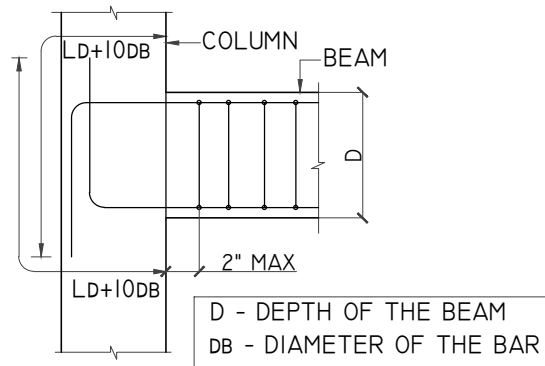
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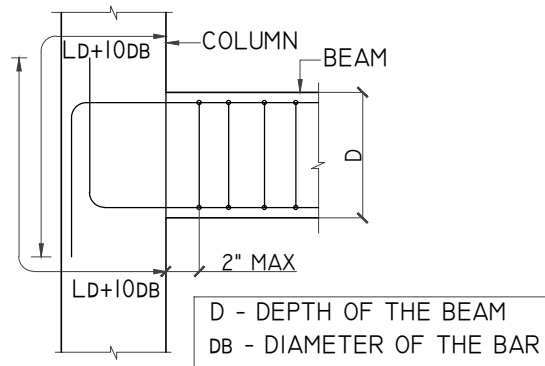
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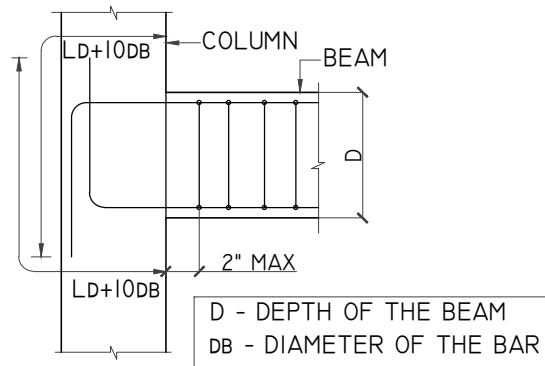
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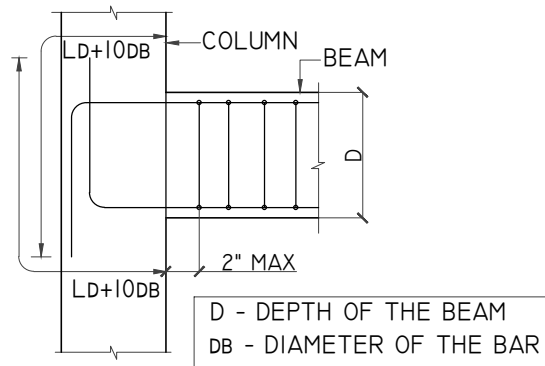
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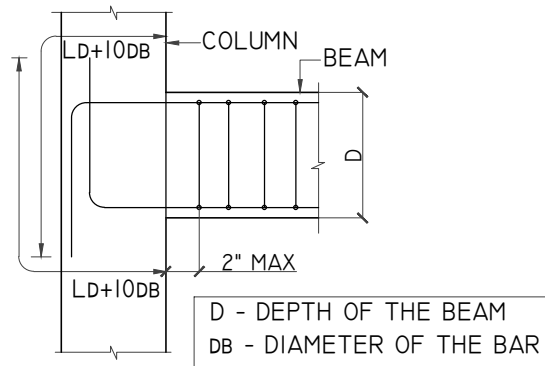
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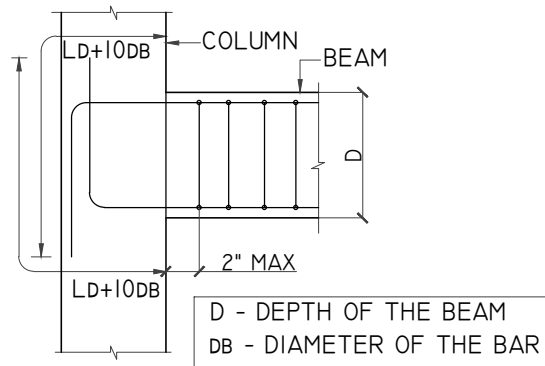
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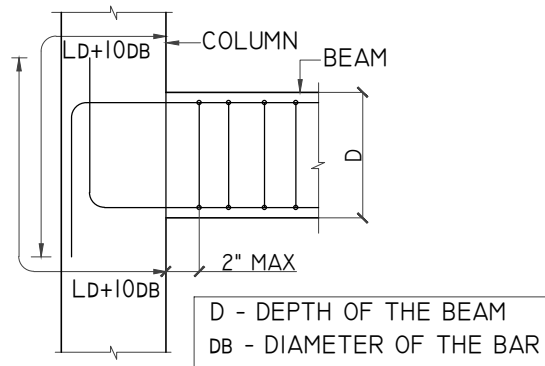
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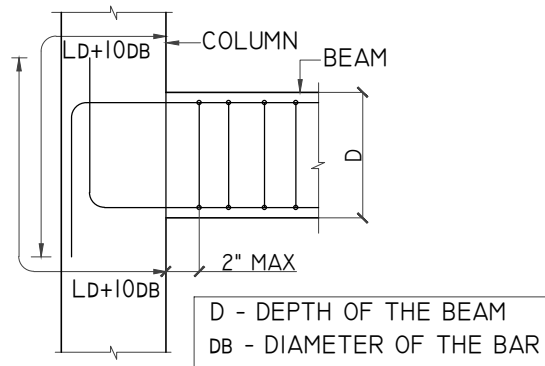
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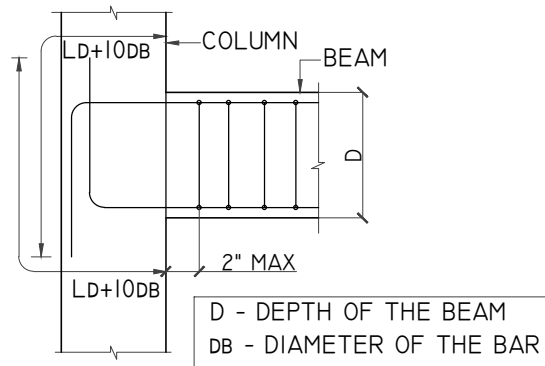
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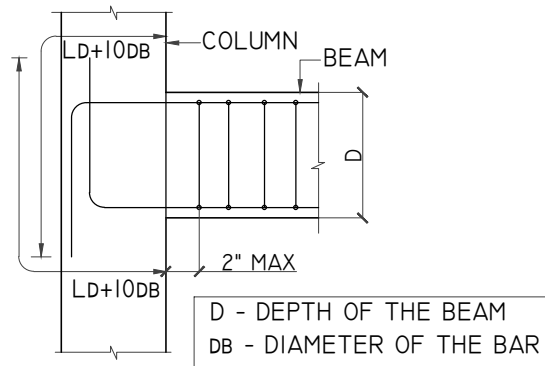
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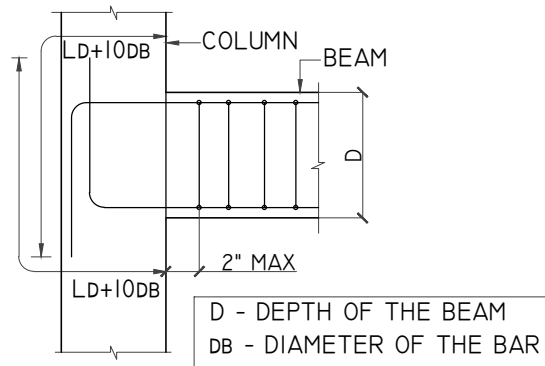
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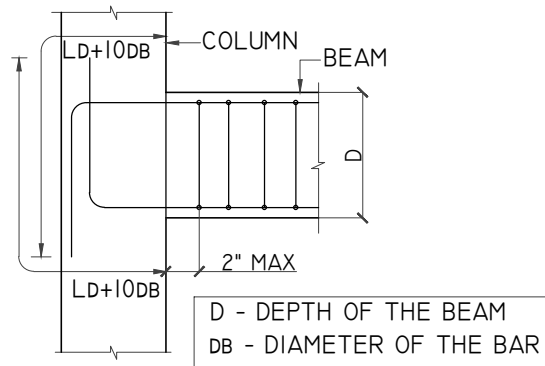
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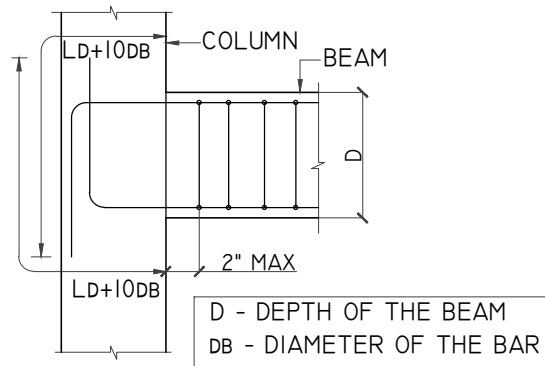
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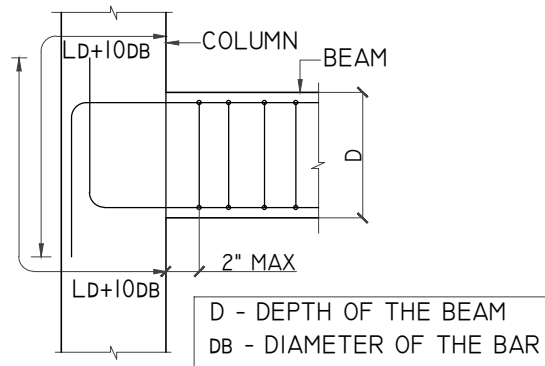
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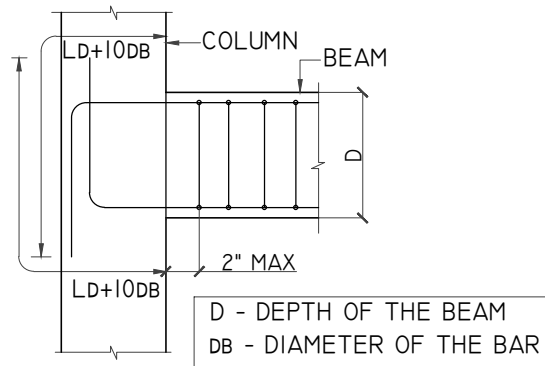
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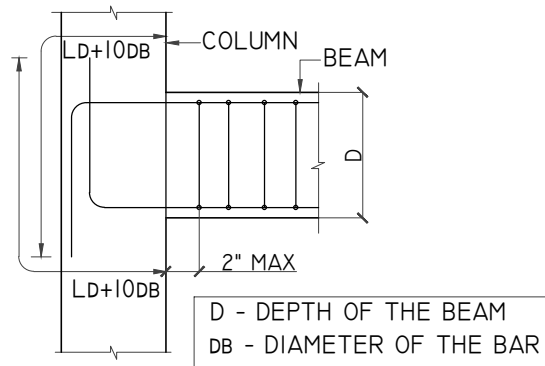
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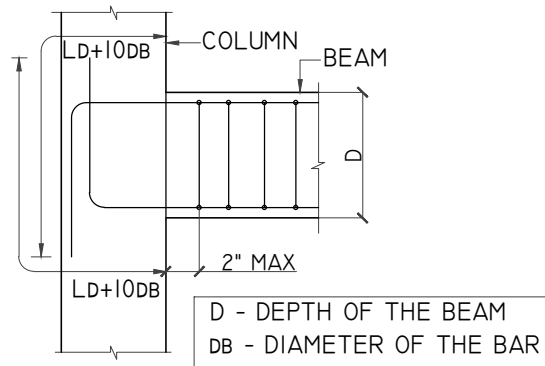
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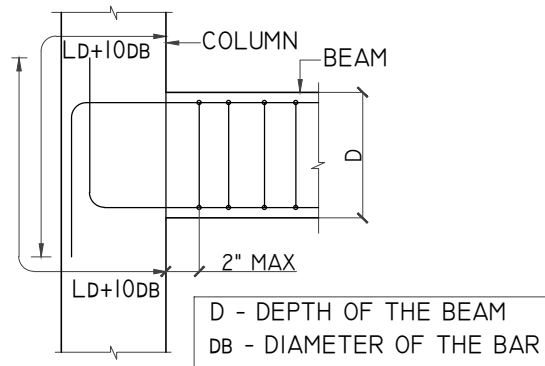
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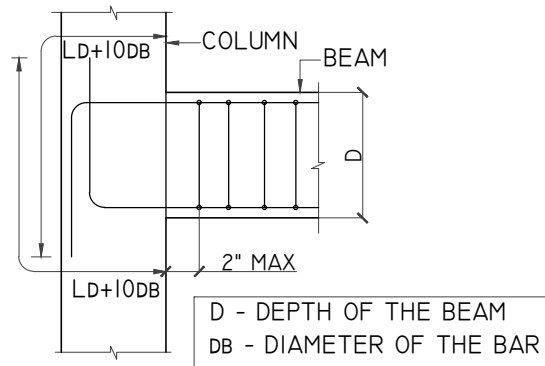
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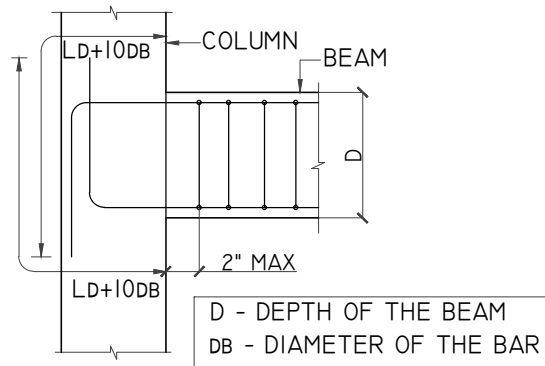
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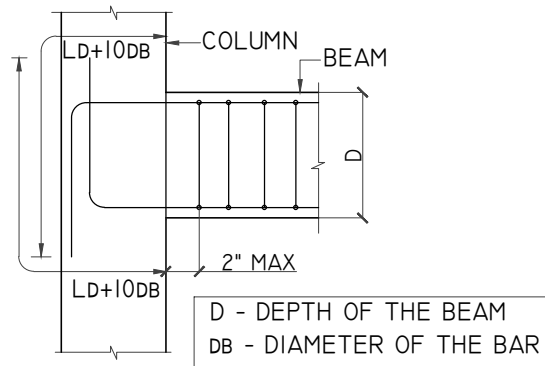
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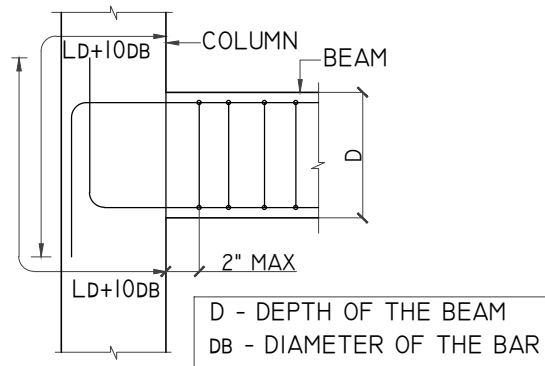
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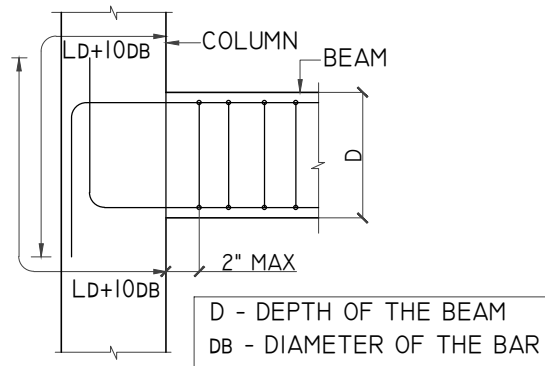
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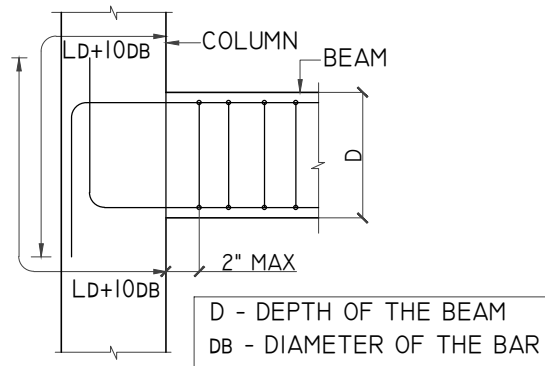
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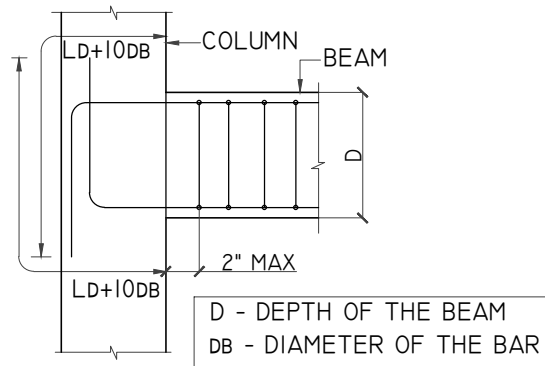
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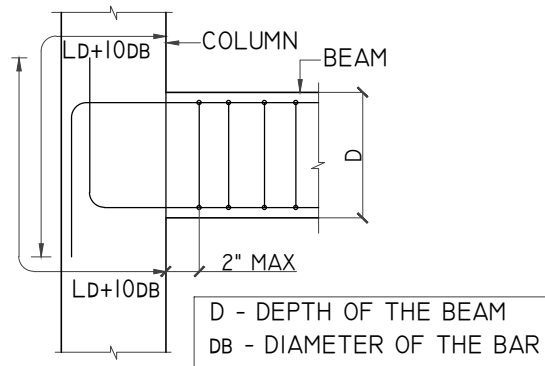
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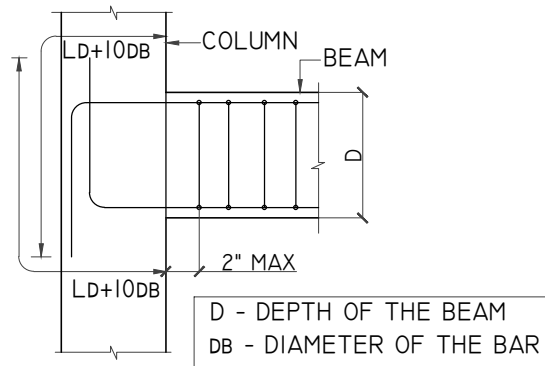
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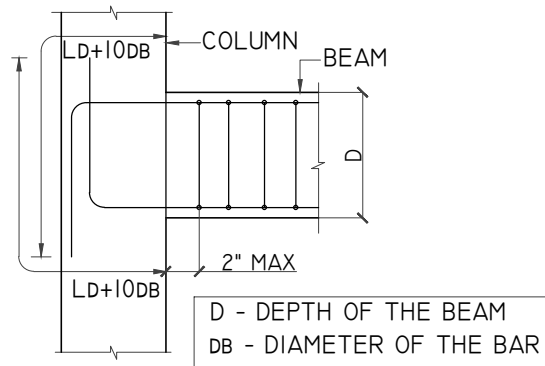
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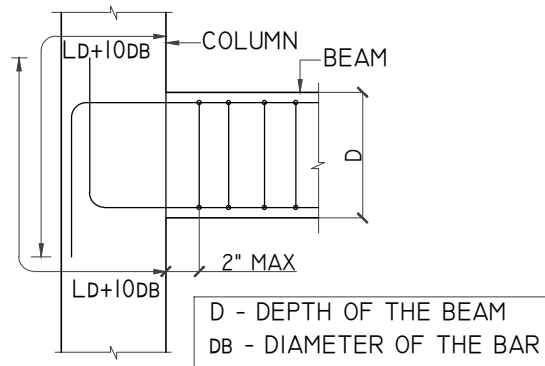
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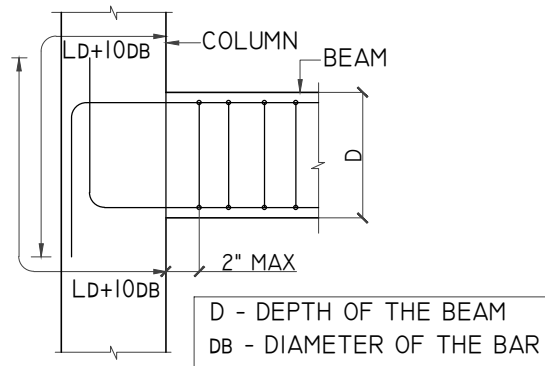
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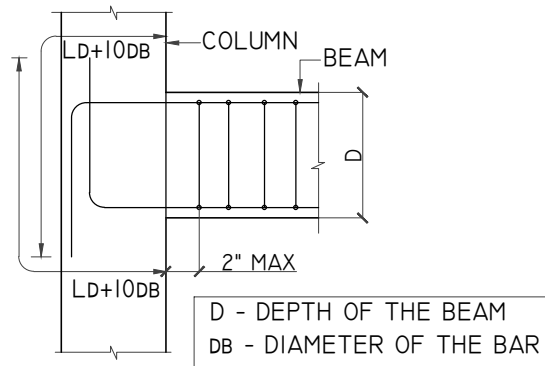
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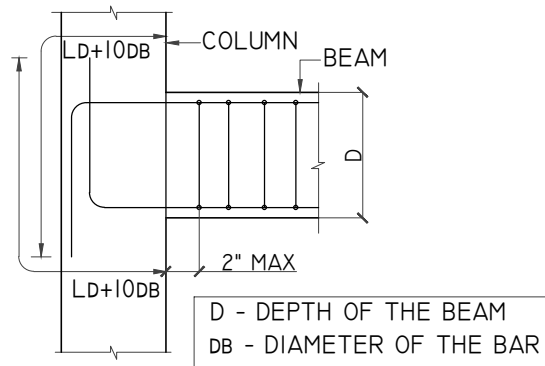
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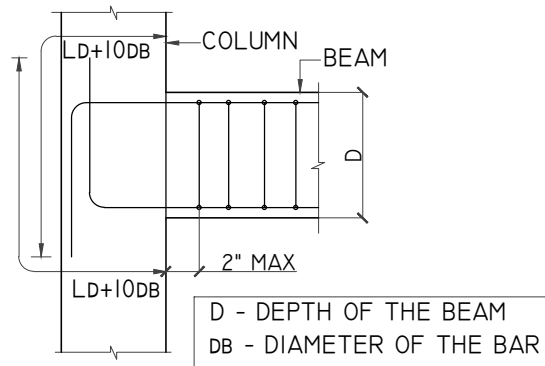
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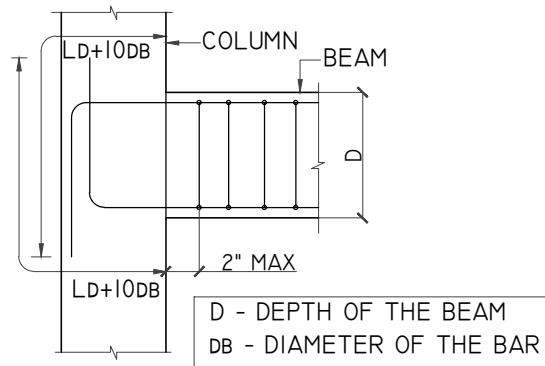
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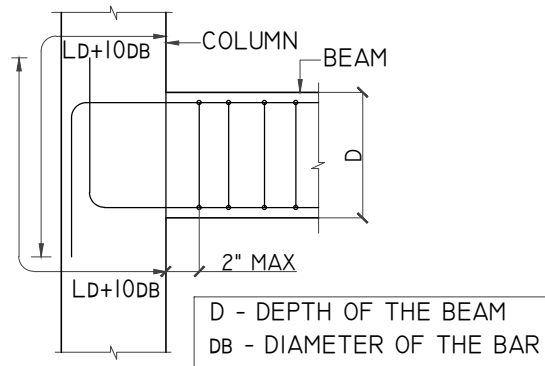
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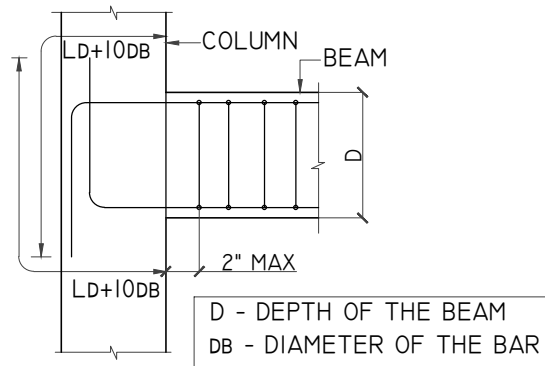
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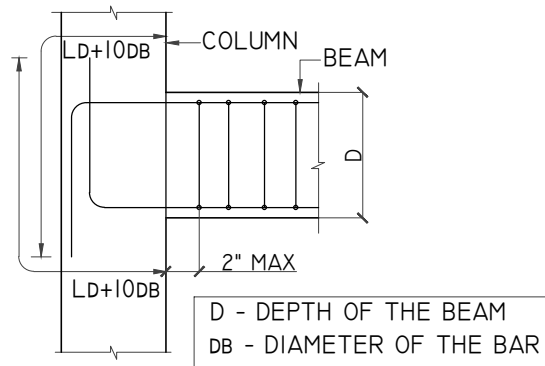
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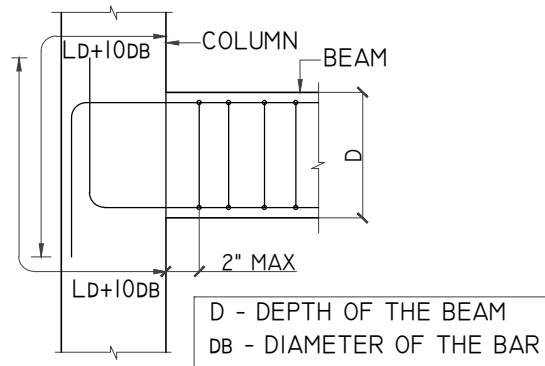
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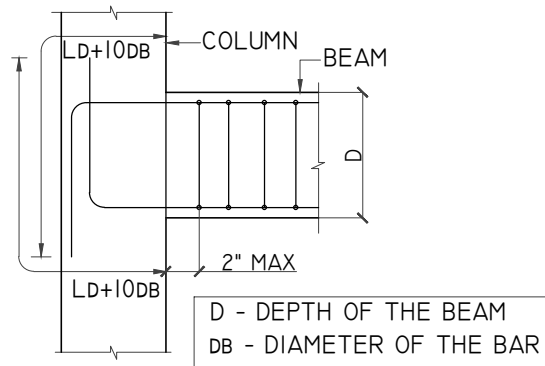
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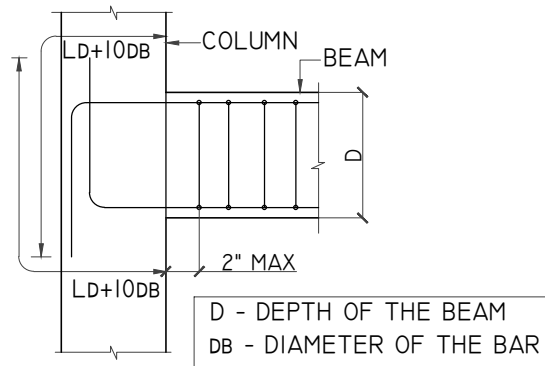
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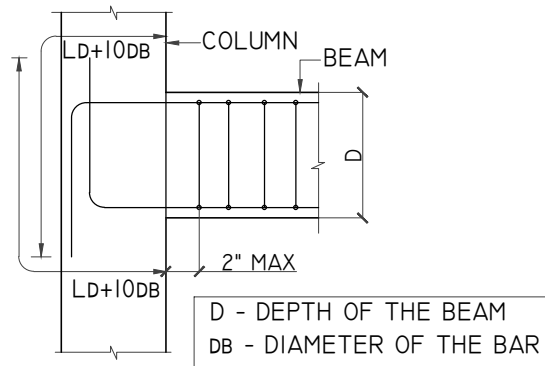
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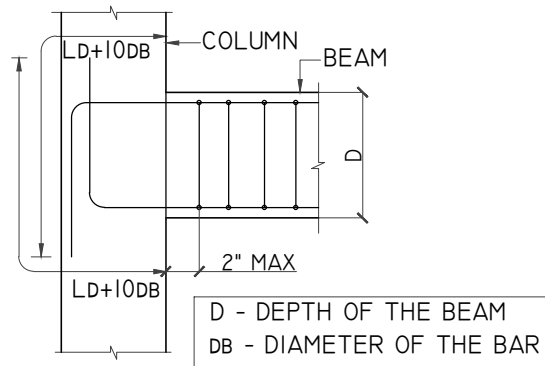
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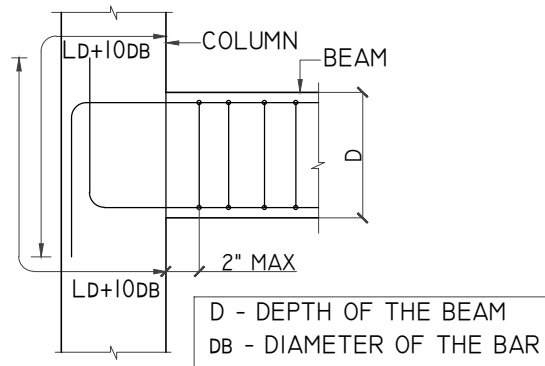
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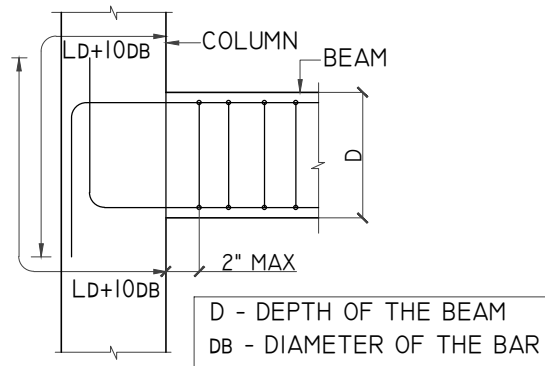
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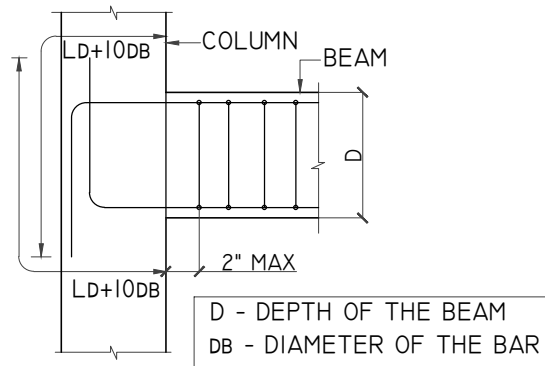
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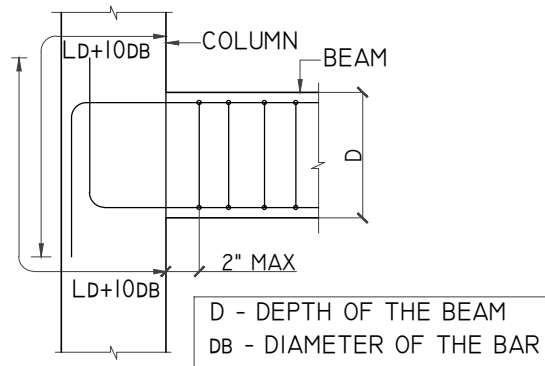
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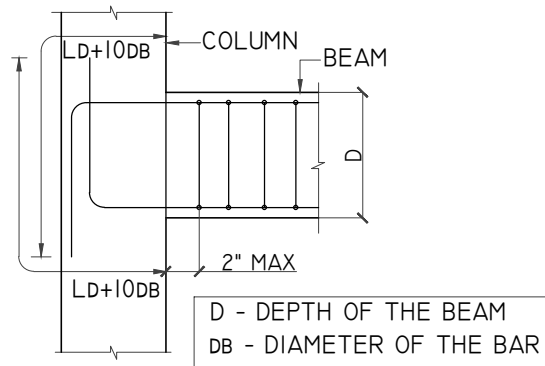
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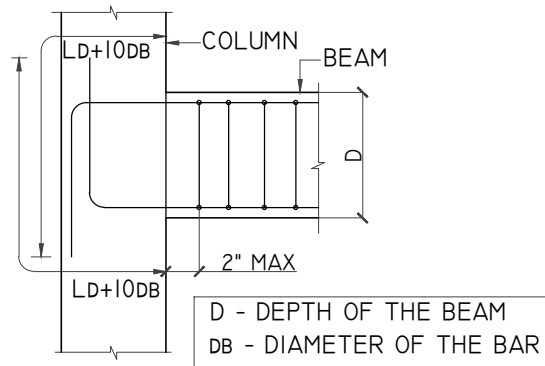
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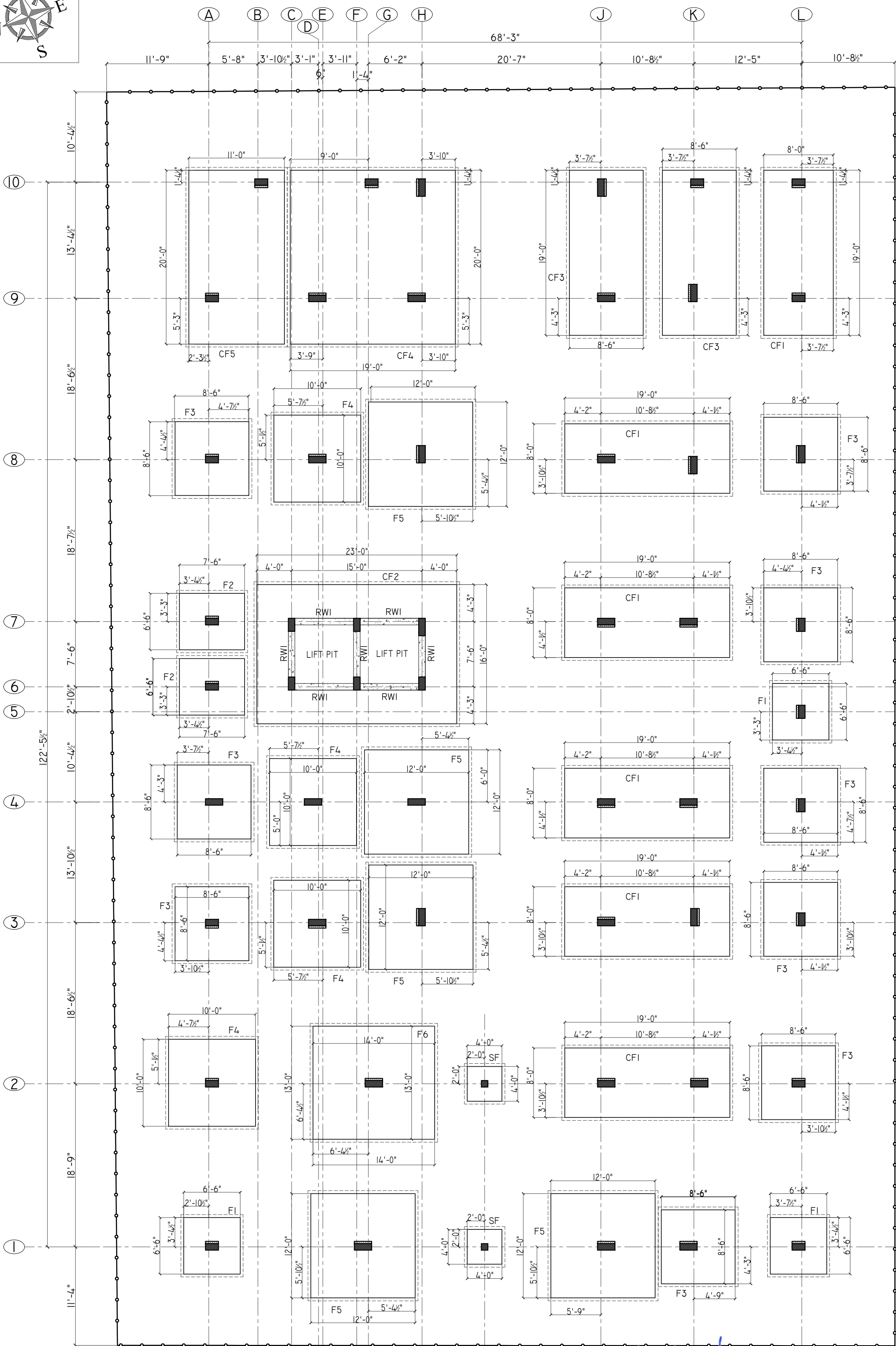
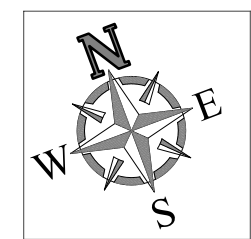
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LAYOUT OF FOOTING

COMBINED FOOTINGS SCHEDULE:-

| SI. | FOOTING NAME | FOOTING SIZE            | FOOTING REINFORCEMENT                                               |
|-----|--------------|-------------------------|---------------------------------------------------------------------|
| 01  | CF1          | 19'-0" X 8'-0" X 3'-0"  | Y12 @ 8" C/C<br>BOTHWAYS @ TOP<br>Y12 @ 4" C/C<br>BOTHWAYS @ BOTTOM |
| 02  | CF2          | 23'-0" X 16'-0" X 2'-6" | Y12 @ 8" C/C<br>BOTHWAYS @ TOP<br>Y20 @ 5" C/C<br>BOTHWAYS @ BOTTOM |
| 03  | CF3          | 19'-0" X 8'-6" X 3'-0"  | Y12 @ 8" C/C<br>BOTHWAYS @ TOP<br>Y12 @ 4" C/C<br>BOTHWAYS @ BOTTOM |
| 04  | CF4          | 19'-0" X 20'-0" X 3'-0" | Y12 @ 4" C/C<br>BOTHWAYS @ TOP<br>Y16 @ 4" C/C<br>BOTHWAYS @ BOTTOM |
| 05  | CF5          | 11'-0" X 20'-0" X 3'-0" | Y12 @ 8" C/C<br>BOTHWAYS @ TOP<br>Y12 @ 4" C/C<br>BOTHWAYS @ BOTTOM |

**R. MANIKANDAN, M.Tech, (Structures)**  
Registered Structural Engineer Grade I (RES),DTCP  
CGLRGN/SE/Gr-I/2019/09/036  
**AURA ENGINEERING CONSULTANTS**  
# 13/27, 67th Street, R. V. Nagar,  
Ashok Nagar, Chennai-600 083.  
Ph: 044-48597100 Cell: 9790751378

GENERAL NOTES:

- ALL DIMENSIONS ARE IN FOOT UNITS.
- CONCRETE GRADE SHALL BE **M25** CONFIRMING TO IS 456:2000
- GRADE OF REINFORCEMENT MARKED THUS (Y) SHALL BE **FE 500** CONFIRMING TO IS 1786-2008
- CLEAR COVER FOR REINFORCEMENT  
A) COLUMN = 1½"
- THIS DRG. READ IN CONJECTION WITH ARCH.DRGS.
- COLUMNS AND FOOTINGS ARE DESIGNED FOR S+5 FLOOR LOADS AND SBC OF THE SOIL IS 250KN/SQM. @ 6'-10" BELOW N.G.L.
- STRUCTURAL ENGINEER RESPONSIBILITY IS LIMITED TO DESIGN & ISSUAL OF STRUCTURAL DRAWING ONLY
- ONUS OF CONSTRUCTION LIES WITH CONTRACTOR/OWNER

FOOTINGS SCHEDULE:-

| SI. | FOOTING NAME | FOOTING SIZE                               | FOOTING REINFORCEMENT                                               |
|-----|--------------|--------------------------------------------|---------------------------------------------------------------------|
| 01  | F1           | 6'-6" X 6'-6"<br>D=1'-9"<br>FLAT FOOTING   | Y10 @ 8" C/C<br>BOTHWAYS @ TOP<br>Y10 @ 5" C/C<br>BOTHWAYS @ BOTTOM |
| 02  | F2           | 7'-6" X 6'-6"<br>D=2'-0"<br>FLAT FOOTING   | Y10 @ 8" C/C<br>BOTHWAYS @ TOP<br>Y10 @ 4" C/C<br>BOTHWAYS @ BOTTOM |
| 03  | F3           | 8'-6" X 8'-6"<br>D=2'-3"<br>FLAT FOOTING   | Y10 @ 8" C/C<br>BOTHWAYS @ TOP<br>Y12 @ 5" C/C<br>BOTHWAYS @ BOTTOM |
| 04  | F4           | 10'-0" X 10'-0"<br>D=2'-6"<br>FLAT FOOTING | Y10 @ 6" C/C<br>BOTHWAYS @ TOP<br>Y12 @ 6" C/C<br>BOTHWAYS @ BOTTOM |
| 05  | F5           | 12'-0" X 12'-0"<br>D=3'-0"<br>FLAT FOOTING | Y12 @ 8" C/C<br>BOTHWAYS @ TOP<br>Y12 @ 4" C/C<br>BOTHWAYS @ BOTTOM |
| 06  | F6           | 14'-0" X 13'-0"<br>D=3'-3"<br>FLAT FOOTING | Y12 @ 8" C/C<br>BOTHWAYS @ TOP<br>Y12 @ 4" C/C<br>BOTHWAYS @ BOTTOM |
| 07  | SF           | 4'-0" X 4'-0"<br>D=1'-3"<br>FLAT FOOTING   | Y10 @ 5" C/C<br>BOTHWAYS @ BOTTOM                                   |

NOTE:

FOR FOOTING REINFORCEMENT  
DETAILS REFER DWG.NO : 002A

N.G.L - NATURAL GROUND LEVEL.

| REV. | ISSUE FOR APPROVAL | A.P | R.M | 20.08.25 |
|------|--------------------|-----|-----|----------|
| REV. | DESCRIPTIONS       | DRN | CHK | DATE     |

PROJECT :-

PROPOSED CONSTRUCTION OF RESIDENTIAL APARTMENT BUILDING  
IN PLOT NO.2A, T.S NO:33, WARD NO. D, BLOCK NO. 23 AT  
NAMAKKAL VILLAGE, NAMAKKAL TALUK, NAMAKKAL CORPORATION,  
NAMAKKAL DISTRICT.  
(ONLINE APPLICATION NO: SWP/BPA/0551197/2025)  
SWP/ DTCP/ NKL/ BP NO: 29/2025

DRAWING TITLE :-

LAYOUT & R.C DETAILS OF FOOTING

| DATE     | SCALE    | JOB.NO | DRG.NO |
|----------|----------|--------|--------|
| 20.08.25 | 1" : 11' | -----  | 002    |

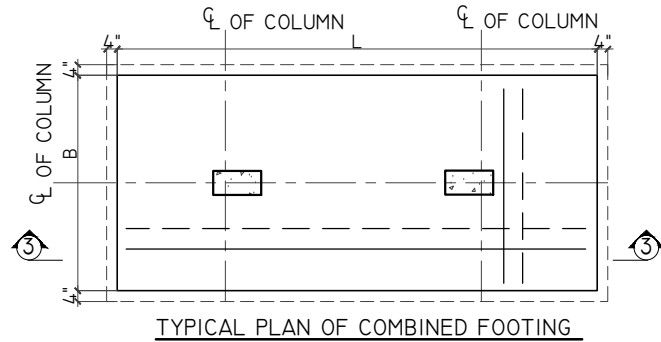
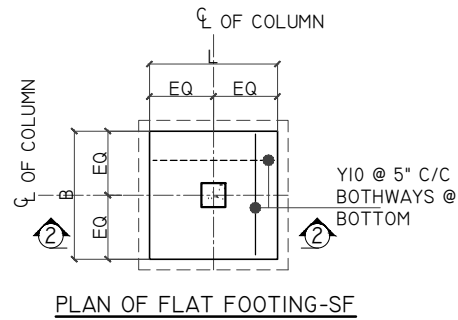
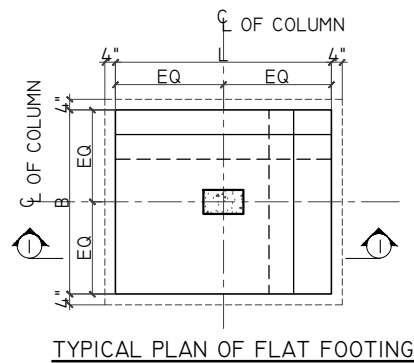
ARCHITECT / CONSULTANTS :-



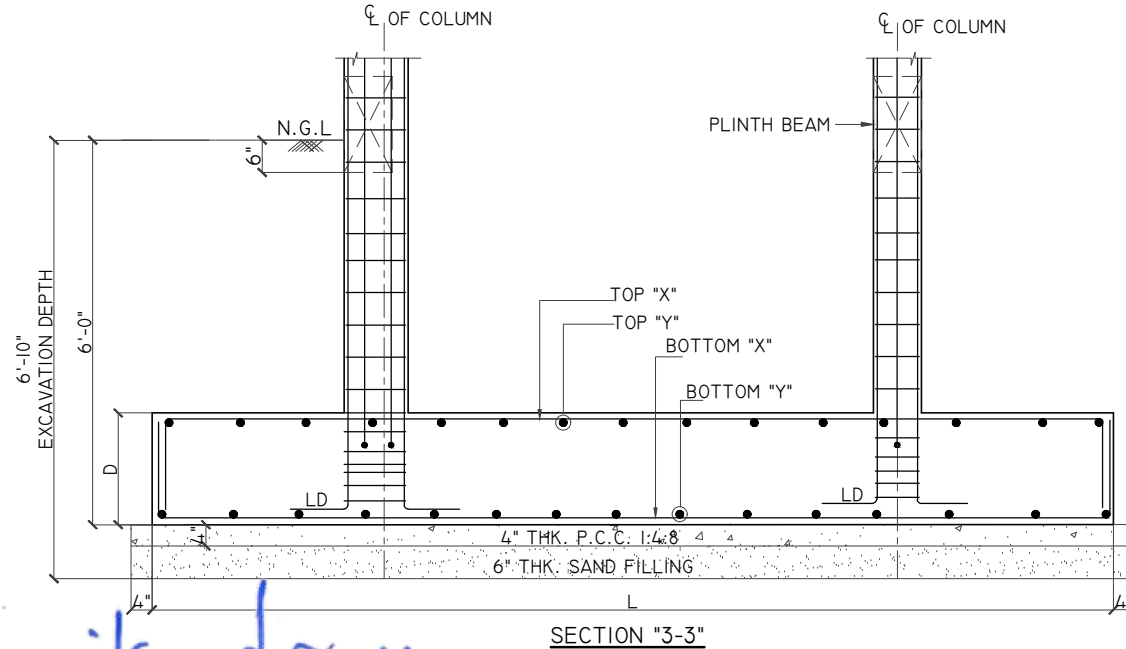
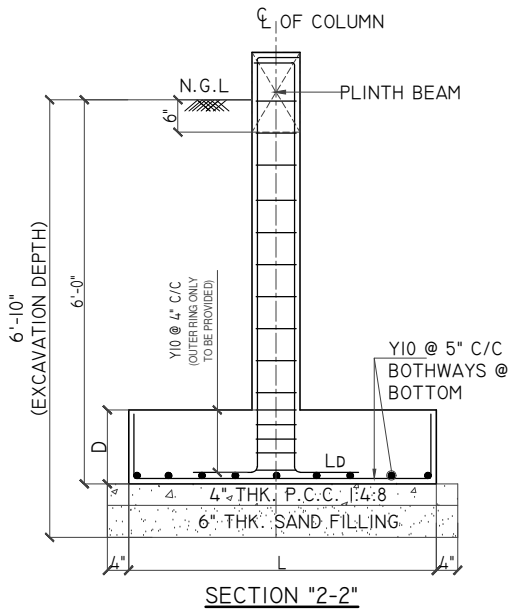
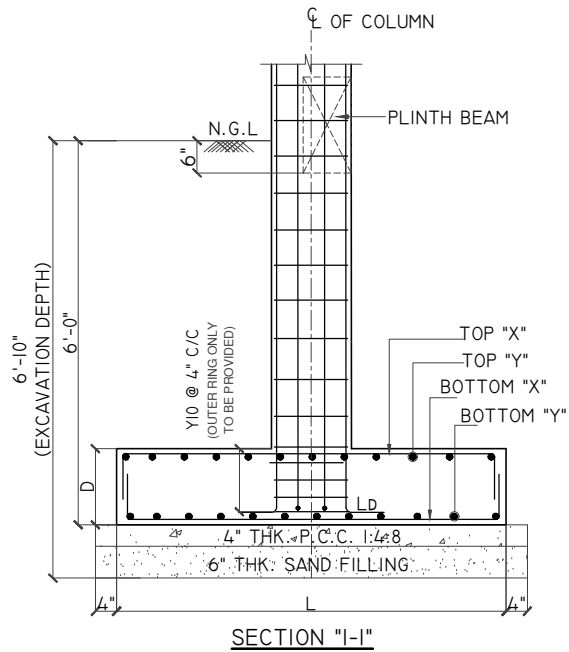
STRUCTURAL CONSULTANTS :-

**AURA ENGINEERING CONSULTANTS**  
#8, 50th St, Sarvamangala Colony, 7th Avenue,  
ASHOK NAGAR, CHENNAI- 600 083.  
Fixed Line :- 044 4859 7100  
projects.auraengg@gmail.com  
projects@auraengineers.co.in  
http://auraengineers.co/in/

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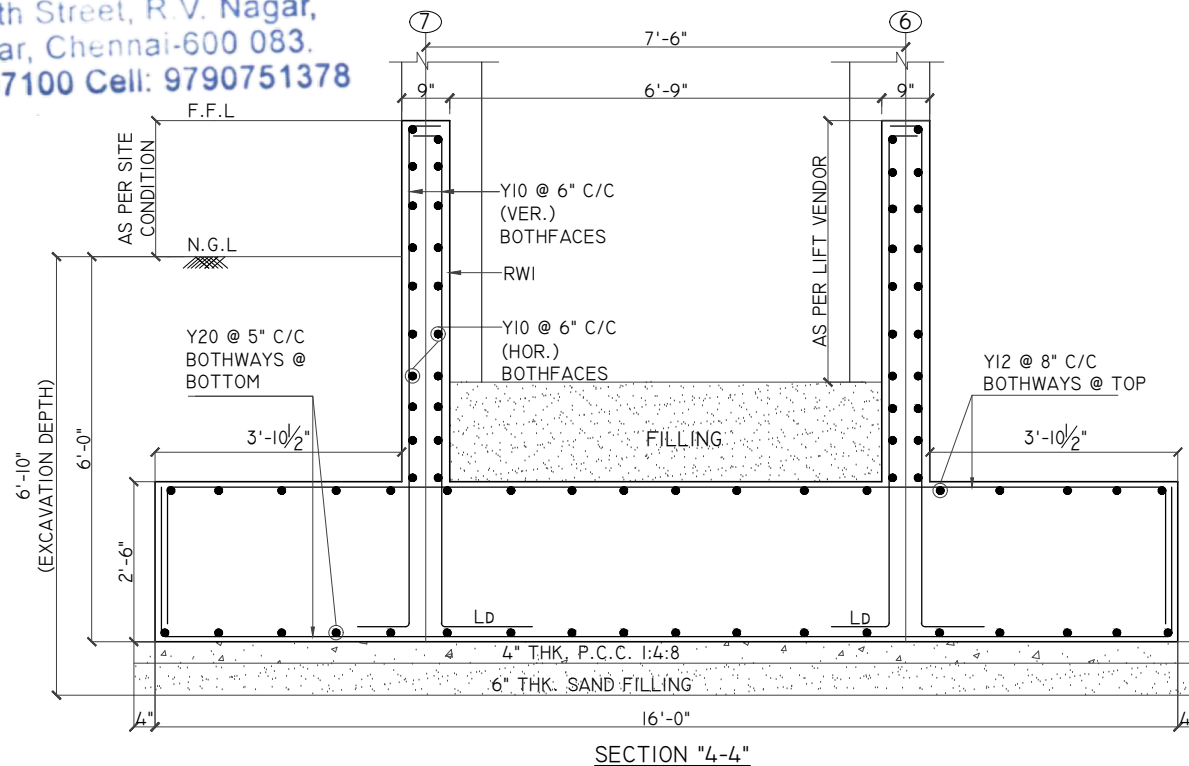
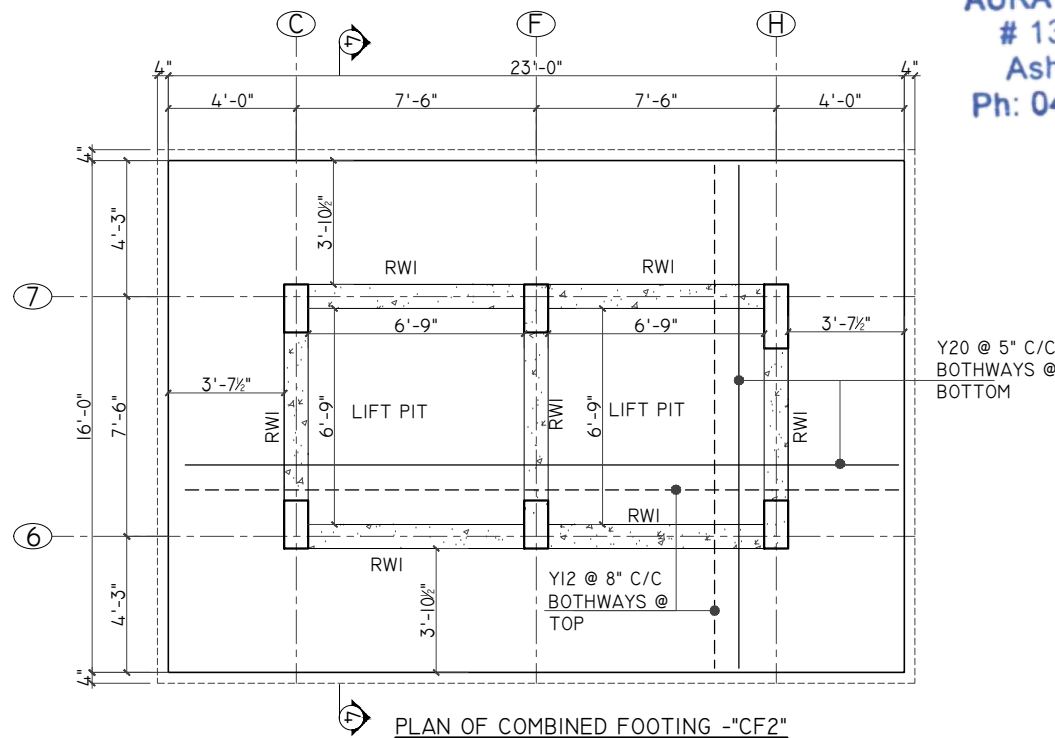


| COMBINED FOOTINGS SCHEDULE:- |              |                         |                                                               |
|------------------------------|--------------|-------------------------|---------------------------------------------------------------|
| SI.                          | FOOTING NAME | FOOTING SIZE            | FOOTING REINFORCEMENT                                         |
| 01                           | CF1          | 19'-0" X 8'-0" X 3'-0"  | Y12 @ 8" C/C BOTHWAYS @ TOP<br>Y12 @ 4" C/C BOTHWAYS @ BOTTOM |
| 02                           | CF2          | 23'-0" X 16'-0" X 2'-6" | Y12 @ 8" C/C BOTHWAYS @ TOP<br>Y20 @ 5" C/C BOTHWAYS @ BOTTOM |
| 03                           | CF3          | 19'-0" X 8'-6" X 3'-0"  | Y12 @ 8" C/C BOTHWAYS @ TOP<br>Y12 @ 4" C/C BOTHWAYS @ BOTTOM |
| 04                           | CF4          | 19'-0" X 20'-0" X 3'-0" | Y12 @ 4" C/C BOTHWAYS @ TOP<br>Y16 @ 4" C/C BOTHWAYS @ BOTTOM |
| 05                           | CF5          | 11'-0" X 20'-0" X 3'-0" | Y12 @ 8" C/C BOTHWAYS @ TOP<br>Y12 @ 4" C/C BOTHWAYS @ BOTTOM |



NOTE :  
N.G.L - NATURAL GROUND LEVEL.

**R. MANIKANDAN, M. Tech, (Structures)**  
Registered Structural Engineer Grade I (RES), DTCP  
CGLRGN/SE/Gr-I/2019/09/036  
AURA ENGINEERING CONSULTANTS  
# 13/27, 67th Street, R V. Nagar,  
Ashok Nagar, Chennai-600 083.  
Ph: 044-48597100 Cell: 9790751378



- GENERAL NOTES:
- ALL DIMENSIONS ARE IN FOOT UNITS.
  - CONCRETE GRADE SHALL BE M25 CONFIRMING TO IS 456:2000
  - GRADE OF REINFORCEMENT MARKED THUS (Y) SHALL BE Fe 500 CONFIRMING TO IS 1786-2008
  - CLEAR COVER FOR REINFORCEMENT  
a) FOOTING = 2" b) R.C WALL = 1"
  - THIS DRG. READ IN CONJECTION WITH ARCH.DRGS.
  - COLUMNS AND FOOTINGS ARE DESIGNED FOR S+5 FLOOR LOADS AND SBC OF THE SOIL IS 250KN/SQM. @ 6'-10" BELOW N.G.L.
  - STRUCTURAL ENGINEER RESPONSIBILITY IS LIMITED TO DESIGN & ISSUAL OF STRUCTURAL DRAWING ONLY
  - ONUS OF CONSTRUCTION LIES WITH CONTRACTOR/OWNER

| REV. | DESCRIPTIONS       | DRN | CHK | DATE     |
|------|--------------------|-----|-----|----------|
| 00   | ISSUE FOR APPROVAL | A.P | R.M | 20.08.25 |

PROJECT :-  
PROPOSED CONSTRUCTION OF RESIDENTIAL APARTMENT BUILDING IN PLOT NO.2A, T.S NO:33, WARD NO. D, BLOCK NO. 23 AT NAMAKKAL VILLAGE, NAMAKKAL TALUK, NAMAKKAL CORPORATION, NAMAKKAL DISTRICT. (ONLINE APPLICATION NO: SWP/BPA/0551197/2025) SWP/ DTCP/ NKL/ BP NO: 29/2025

DRAWING TITLE :-  
R.C DETAILS OF FOOTINGS

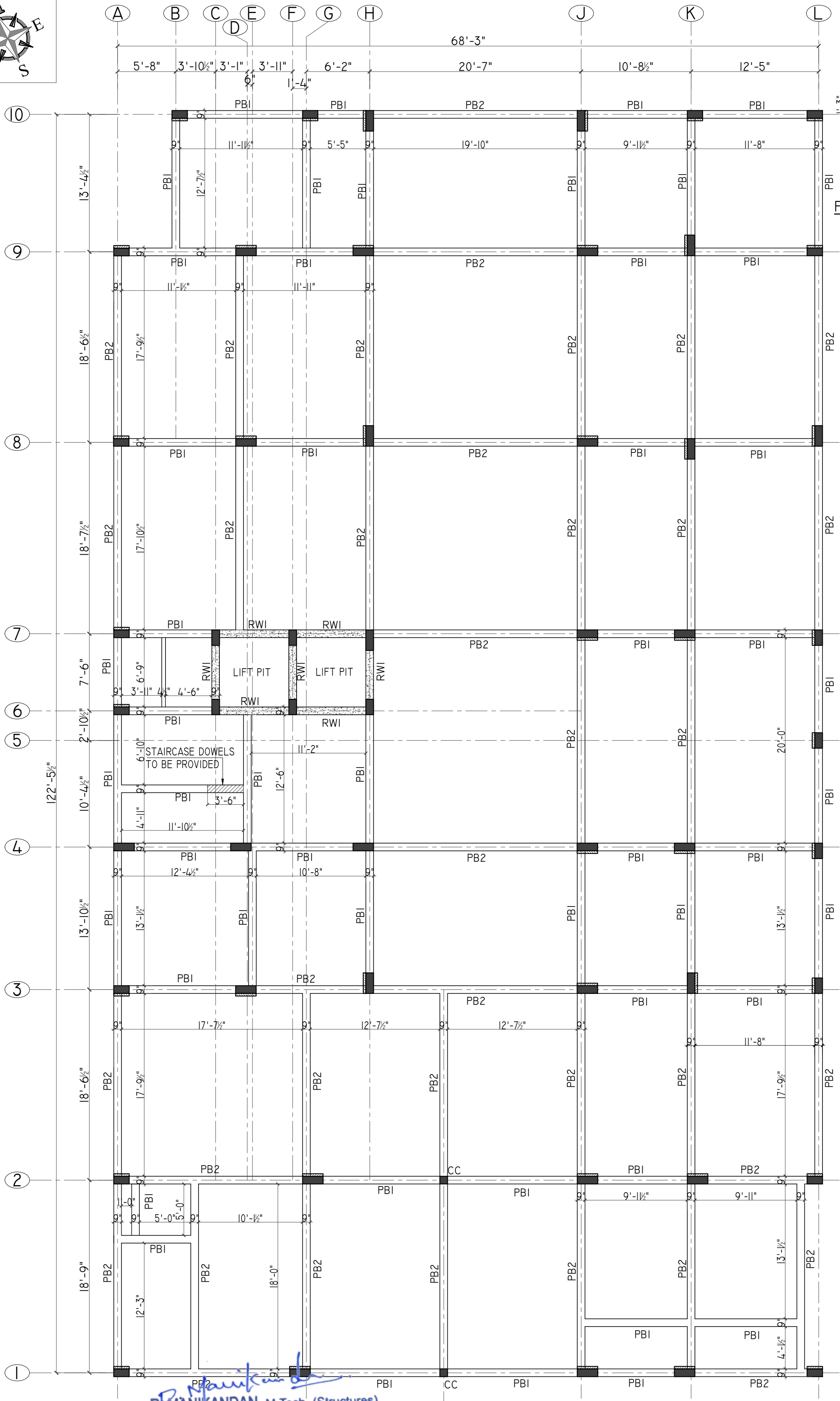
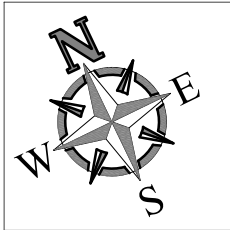
| DATE     | SCALE   | JOB.NO | DRG.NO |
|----------|---------|--------|--------|
| 20.08.25 | 1 : 12' | --     | 002A   |

ARCHITECT / CONSULTANTS :-



STRUCTURAL CONSULTANTS :-  
**AURA ENGINEERING CONSULTANTS**  
#8, 50th St, Sarvamangala Colony, 7th Avenue, ASHOK NAGAR, CHENNAI- 600 083.  
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**RAJANIKANDAN, M.Tech. (Structures)**  
Registered Structural Engineer Grade I (RES), DTC  
CGLRGN/SE/Gr-I/2019/09/036  
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Ashok Nagar, Chennai-600 083.  
Ph: 044-48597100 Cell: 9790751378

LAYOUT OF PLINTH BEAM

NOTE:

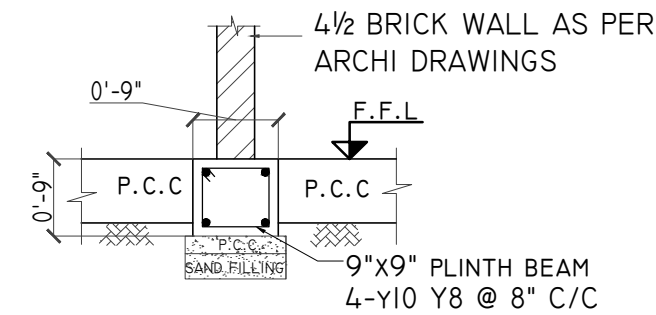
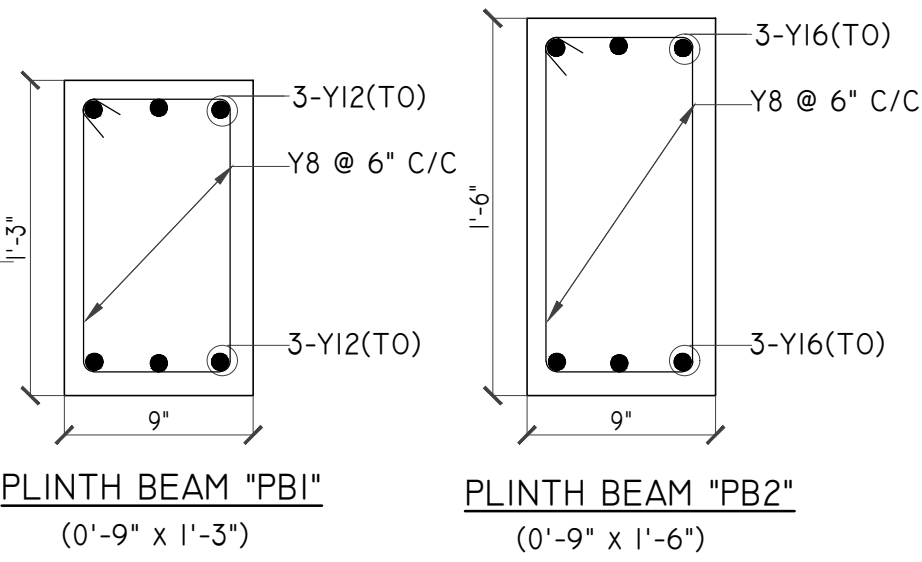
N.G.L - NATURAL GROUND LEVEL.

F.F.L - FLOOR FINISH LEVEL

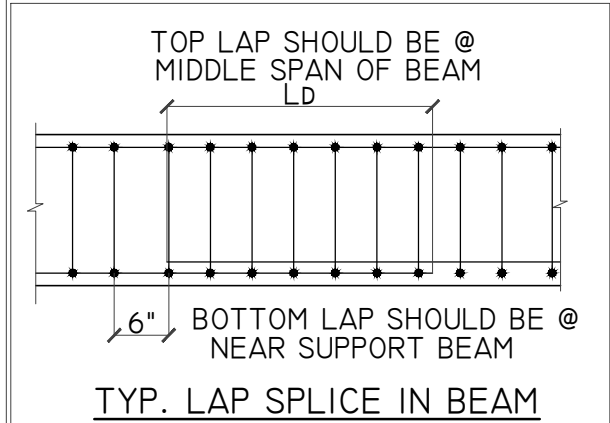
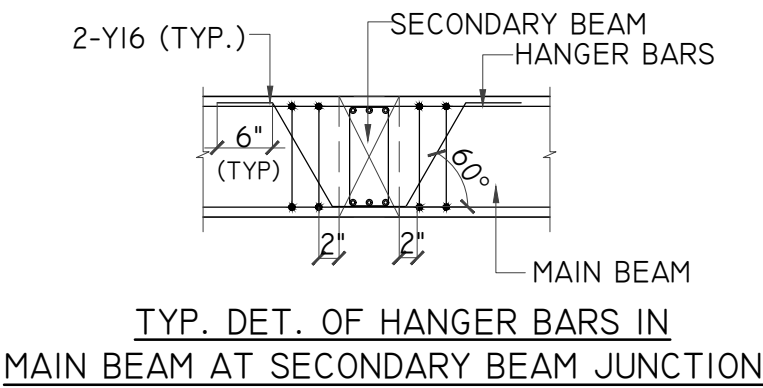
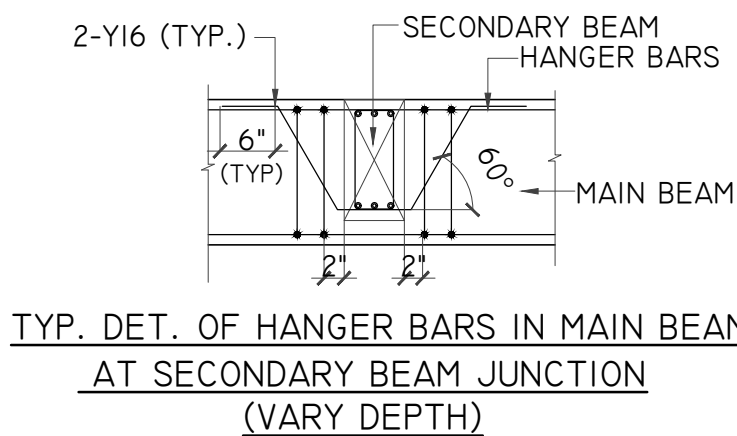
CC - COLUMN CURTAILED & RODS TO BE BEND IN TO TOP OF THE BEAM

GENERAL NOTES:

- ALL DIMENSIONS ARE IN FOOT UNITS.
- CONCRETE GRADE SHALL BE **M25** CONFIRMING TO IS 456:2000
- GRADE OF REINFORCEMENT MARKED THUS (Y) SHALL BE **Fe 500** CONFIRMING TO IS 1786-2008
- CLEAR COVER FOR REINFORCEMENT  
A) COLUMN = 1 1/2"
- THIS DRG. READ IN CONJECTION WITH ARCH.DRGS.
- COLUMNS AND FOOTINGS ARE DESIGNED FOR S+5 FLOOR LOADS AND SBC OF THE SOIL IS 250KN/SQM. @ 6'-10" BELOW N.G.L.
- STRUCTURAL ENGINEER RESPONSIBILITY IS LIMITED TO DESIGN & ISSUAL OF STRUCTURAL DRAWING ONLY
- ONUS OF CONSTRUCTION LIES WITH CONTRACTOR/OWNER



TYPICAL DETAILS OF PLINTH BEAM  
UNDERNEATH 4.5" BRICK WORK



BEAM SCHEDULE

| S.NO | NAME | SIZE          |
|------|------|---------------|
| 01.  | PBI  | 0'-9" x 1'-3" |
| 02.  | PB2  | 0'-9" x 1'-6" |

|      |                    |     |     |          |
|------|--------------------|-----|-----|----------|
| 00   | ISSUE FOR APPROVAL | R.P | R.M | 20.08.25 |
| REV. | DESCRIPTIONS       | DRN | CHK | DATE     |

PROJECT :-  
PROPOSED CONSTRUCTION OF RESIDENTIAL APARTMENT BUILDING  
IN PLOT NO.2A, T.S NO:33, WARD NO. D, BLOCK NO. 23 AT  
NAMAKKAL VILLAGE, NAMAKKAL TALUK, NAMAKKAL CORPORATION,  
NAMAKKAL DISTRICT.  
(ONLINE APPLICATION NO: SWP/BPA/0551197/2025)  
SWP/ DTCF/ NKL/ BP NO: 29/2025

DRAWING TITLE :-

LAYOUT & R.C DETAILS OF PLINTH BEAM

| DATE     | SCALE    | JOB.NO | DRG.NO |
|----------|----------|--------|--------|
| 20.08.25 | 1" : 11' | -----  | 003    |

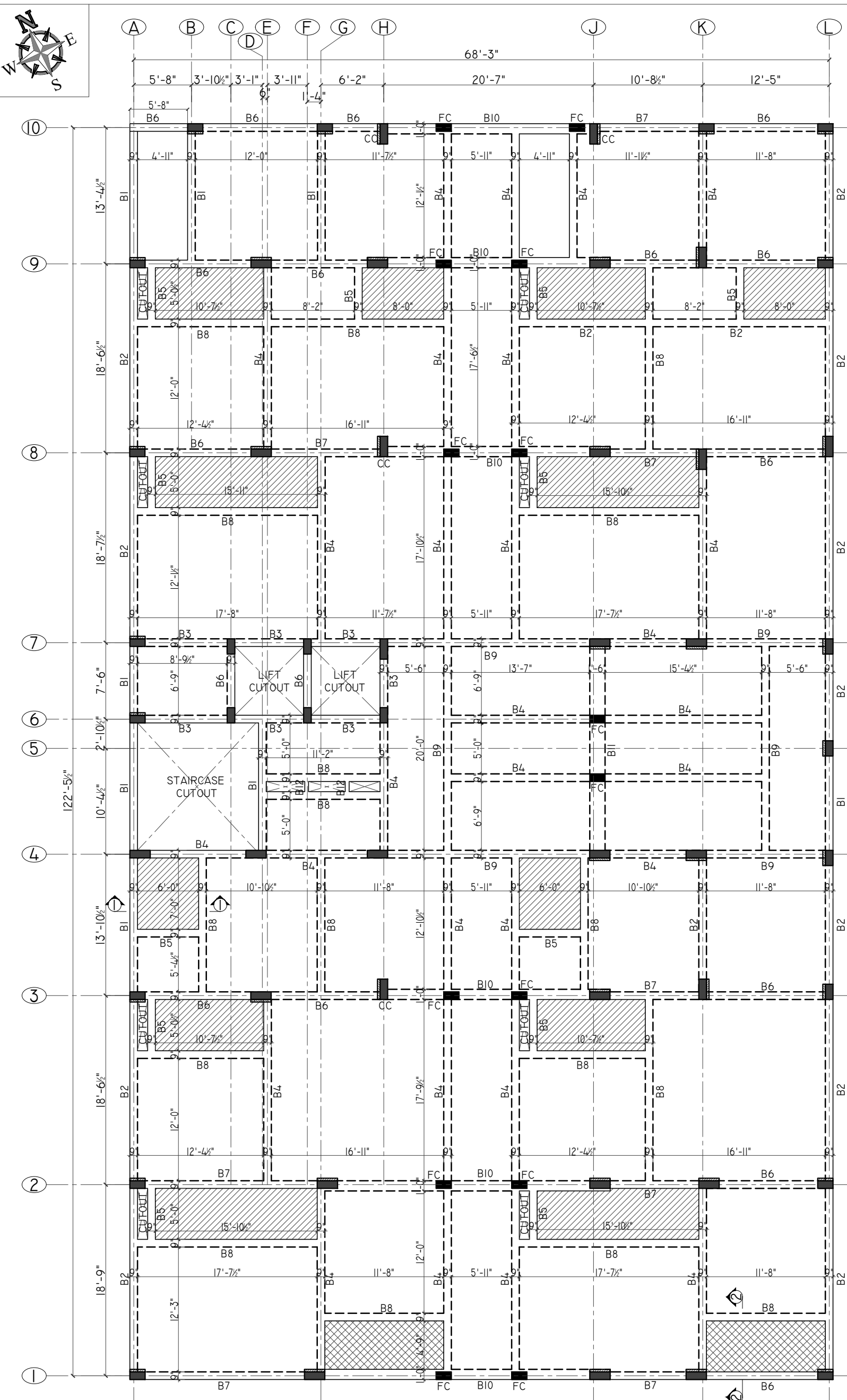
ARCHITECT / CONSULTANTS :-



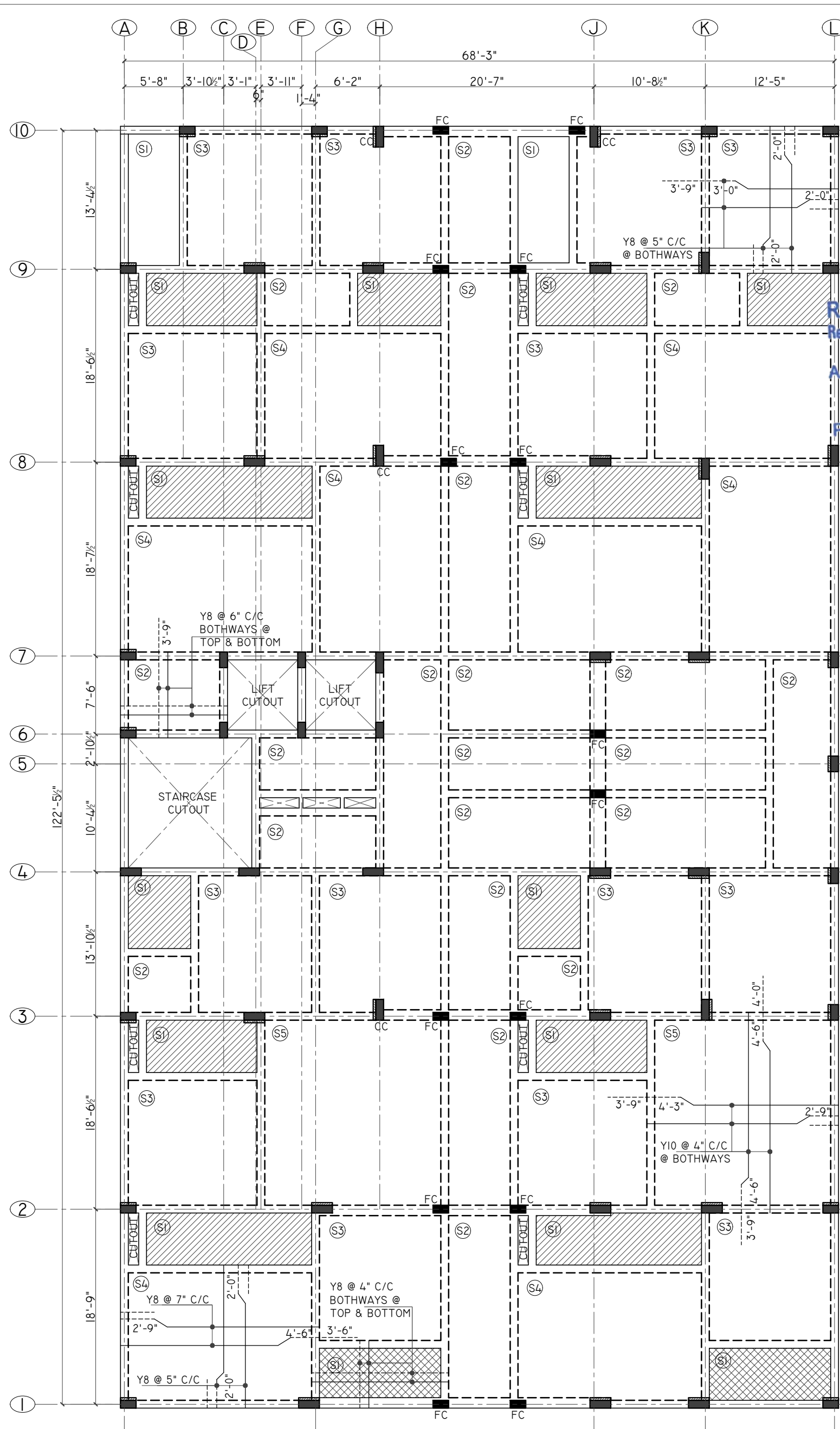
STRUCTURAL CONSULTANTS :-

**AURA ENGINEERING CONSULTANTS**  
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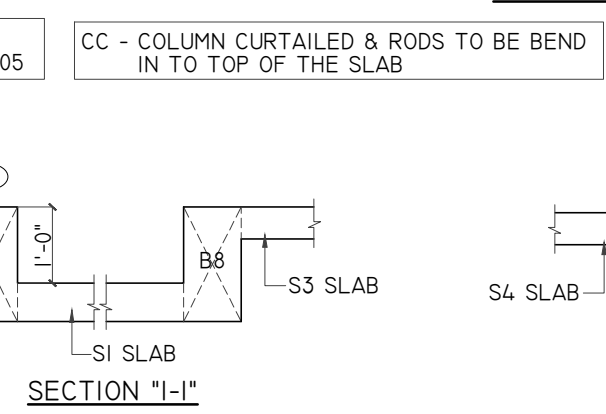
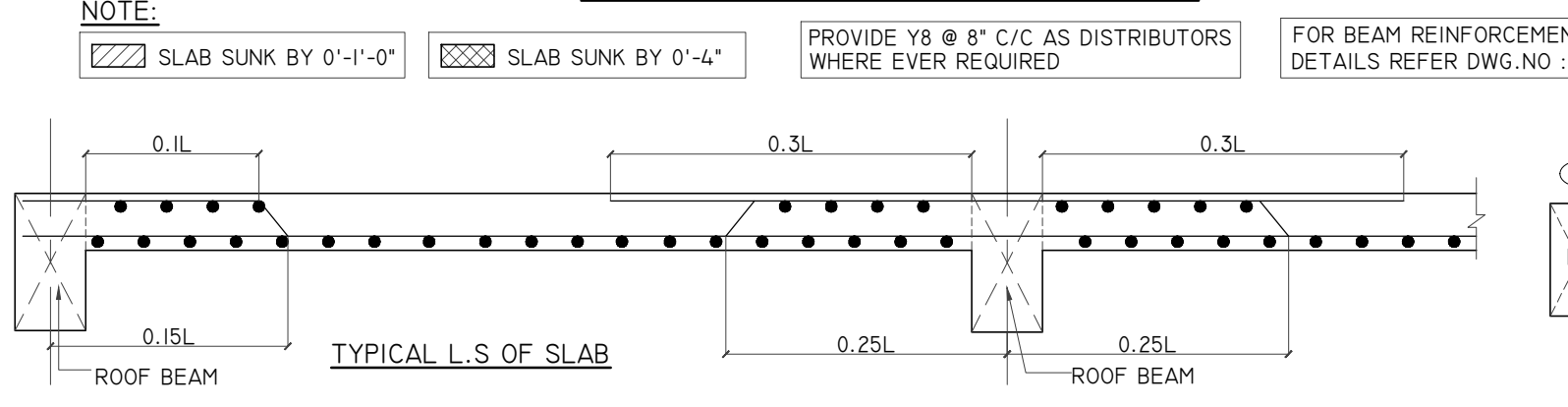
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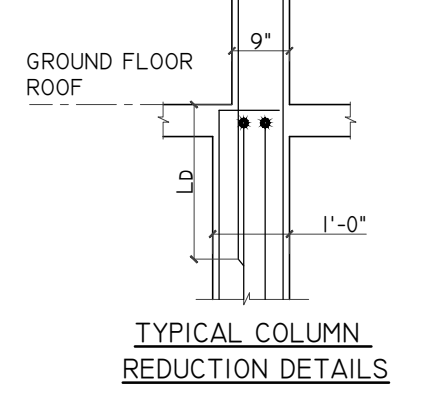
LAYOUT OF GROUND FLOOR ROOF BEAM & SLAB



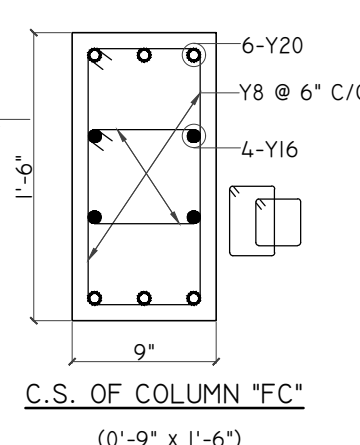
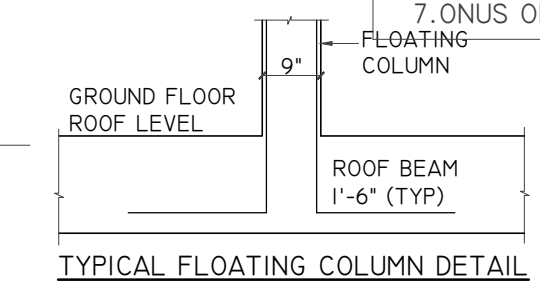
R.C LAYOUT OF GROUND FLOOR ROOF BEAM & SLAB



| SLAB SCHEDULE |      |         |
|---------------|------|---------|
| SL.NO         | NAME | THICK   |
| 01            | S1   | 6" THK. |
| 02            | S2   | 5" THK. |
| 03            | S3   | 5" THK. |
| 04            | S4   | 5" THK. |
| 05            | S5   | 6" THK. |



| BEAM SCHEDULE |      |                   |
|---------------|------|-------------------|
| SL.NO         | NAME | SIZE              |
| 01            | B1   | 0'-9" x 1'-6"     |
| 02            | B2   | 0'-9" x 1'-6"     |
| 03            | B3   | 0'-9" x 1'-6"     |
| 04            | B4   | 0'-9" x 1'-6"     |
| 05            | B5   | 0'-9" x 1'-6"     |
| 06            | B6   | 0'-9" x 1'-6"     |
| 07            | B7   | 0'-9" x 1'-6"     |
| 08            | B8   | 0'-9" x 1'-6"     |
| 09            | B9   | 0'-9" x 2'-0"     |
| 010           | B10  | 1'-0" x 2'-0"     |
| 011           | B11  | 1'-6" x 2'-0"     |
| 012           | B12  | 0'-4 1/2" x 1'-0" |



**GENERAL NOTES:**  
**REMOVAL OF FORM WORK (SHUTTERING):**  
THE FOLLOWING MINIMUM PERIOD (AFTER FINAL POUR) SHALL BE ALLOWED BEFORE REMOVAL OF SHUTTERING AS PER CLAUSE 11.3.1 OF IS456 : 2000

A. VERTICAL SIDE OF SHUTTERING OF COLUMNS, WALLS AND & BEAMS -----24 HOURS.  
B. BOTTOM SHUTTERING OF SLABS (KEEP THE PROPS UNDER) -----3 DAYS.  
C. BOTTOM SHUTTERING OF BEAMS (KEEP THE PROPS UNDER) -----7 DAYS.  
D. BOTTOM PROPS TO SLAB  
i) SPANNING UP TO 4.50M -----7 DAYS.  
ii) SPANNING OVER 4.50M -----14 DAYS.  
E. BOTTOM PROPS TO BEAMS  
i) SPANNING UP TO 6.00M -----14 DAYS.  
ii) SPANNING OVER 6.00M -----21 DAYS.

**LAP JOINTS FOR REINFORCEMENT BARS:**  
I. ANY CROSS SECTION OF A MEMBER NOT MORE THAN 50% OF THE BARS SHALL BE LAPPED.  
II. BARS SHALL BE STAGGERED WITH A MINIMUM CENTRE TO CENTRE DISTANCE OF 1.3 TIMES THE LAP LENGTH OF THE BAR FOR TENSION AND COMPRESSION MEMBERS.  
III. LAPS IN COLUMNS SHALL BE PROVIDED AT MID HEIGHT OF FLOOR AND NOT AT SLAB LEVEL.  
IV. LAPS IN BEAM AND SLAB SHALL BE PROVIDED AT THE POINT OF CONTRAFLEXURE.  
V. WELDING OF BARS SHALL BE DONE AS A STITCH WELD FOR 5 TIMES THE DIAMETER OF BAR AND A GAP OF 5 TIMES OF BAR AND AGAIN WELDING FOR ANOTHER 5 TIMES DIAMETER OF BAR USING ARC WELDING AND SPECIAL ELECTRODES AFTER GETTING PRIOR WRITTEN APPROVAL FROM THE STRUCTURAL CONSULTANT.  
VI. DETAILING OF REBARS SHALL CONFIRM TO SP-34 & IS 13920.

**GENERAL NOTES:**  
1. ALL DIMENSIONS ARE IN FOOT UNITS.  
2. CONCRETE GRADE SHALL BE **M25** CONFIRMING TO IS 456:2000  
3. GRADE OF REINFORCEMENT MARKED THUS (Y) SHALL BE **Fe 500** CONFIRMING TO IS 1786-2008  
4. CLEAR COVER FOR REINFORCEMENT  
A) BEAM = 1" B) SLAB = 3/4"  
5. THIS DRG. READ IN CONJECTION WITH ARCH.DRGS.  
6. STRUCTURAL ENGINEER RESPONSIBILITY IS LIMITED TO DESIGN & ISSUAL OF STRUCTURAL DRAWING ONLY  
7. ONUS OF CONSTRUCTION LIES WITH CONTRACTOR/OWNER

|      |                    |     |     |          |
|------|--------------------|-----|-----|----------|
| 00   | ISSUE FOR APPROVAL | R.S | R.M | 15.07.25 |
| REV. | DESCRIPTIONS       | DRN | CHK | DATE     |

PROJECT :-  
PROPOSED CONSTRUCTION OF RESIDENTIAL APARTMENT BUILDING IN PLOT NO.2A, T.S NO:33, WARD NO. D, BLOCK NO. 23 AT NAMAKKAL VILLAGE, NAMAKKAL TALUK, NAMAKKAL CORPORATION, NAMAKKAL DISTRICT.  
(ONLINE APPLICATION NO: SWP/BPA/0551197/2025)  
SWP/ DTCP/ NKL/ BP NO: 29/2025

DRAWING TITLE :-  
LAYOUT & R.C DETAILS OF GROUND FLOOR ROOF SLAB & BEAMS

|          |          |        |        |
|----------|----------|--------|--------|
| DATE     | SCALE    | JOB.NO | DRG.NO |
| 15.07.25 | 1" : 10' | -----  | 004    |

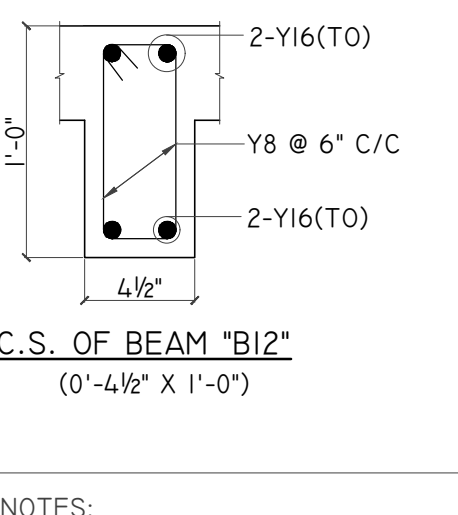
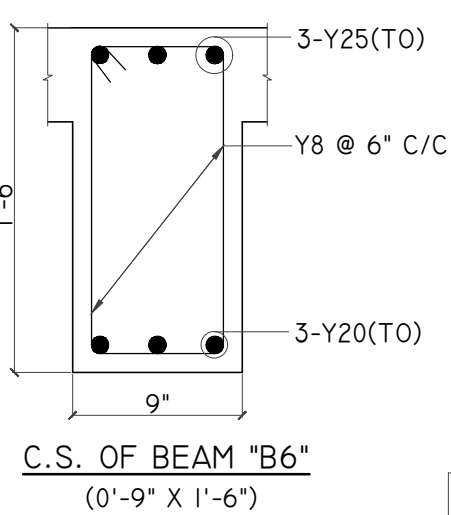
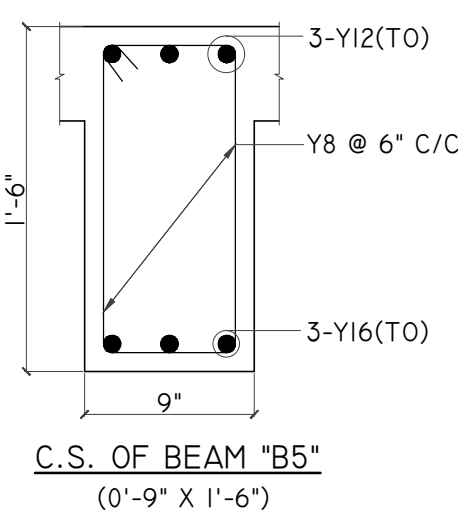
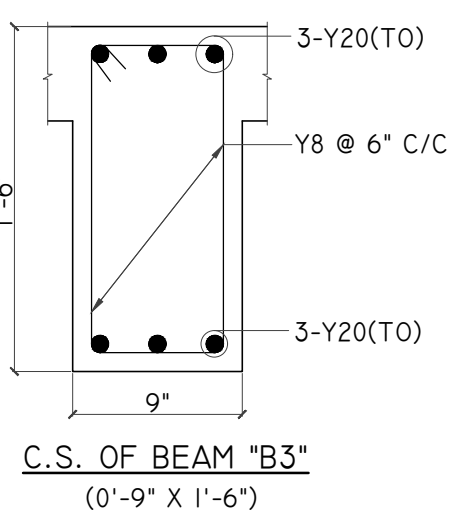
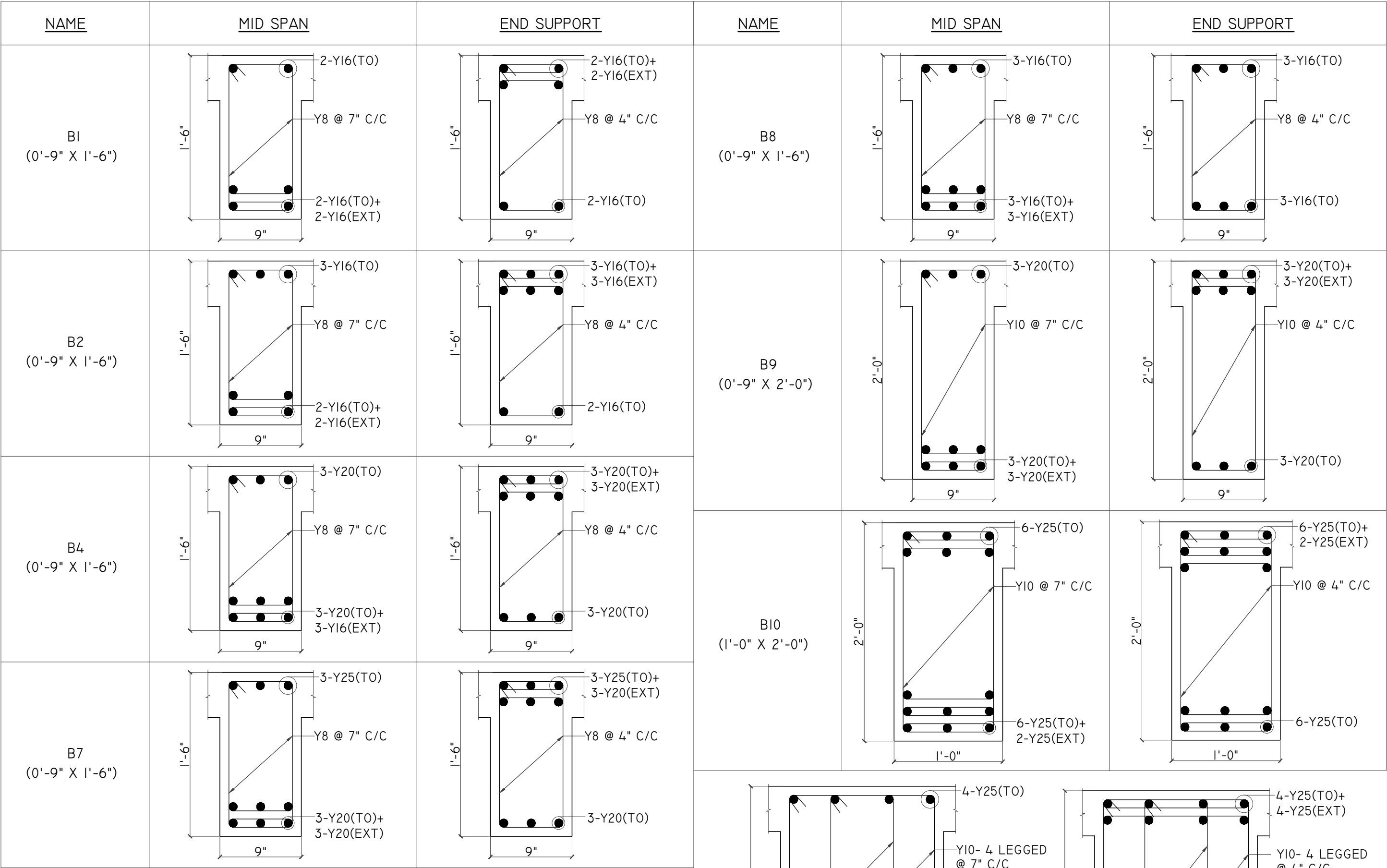
ARCHITECT / CONSULTANTS :-

**DESIGN**  
**pov**  
ARCHITECTURE & INTERIOR DESIGN  
POV Interiors Private Limited  
No.33, Connam Smith Road, Gopalapuram,  
Chennai - 600 085  
Mob: +91 73853 77759 | info@designpov.in | http://designpov.in

STRUCTURAL CONSULTANTS :-

**AURA ENGINEERING CONSULTANTS**  
#8, 50th St, Sarvamangala Colony, 7th Avenue,  
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| BEAM SCHEDULE |      |                   |
|---------------|------|-------------------|
| SL.NO         | NAME | SIZE              |
| 01            | B1   | 0'-9" x 1'-6"     |
| 02            | B2   | 0'-9" x 1'-6"     |
| 03            | B3   | 0'-9" x 1'-6"     |
| 04            | B4   | 0'-9" x 1'-6"     |
| 05            | B5   | 0'-9" x 1'-6"     |
| 06            | B6   | 0'-9" x 1'-6"     |
| 07            | B7   | 0'-9" x 1'-6"     |
| 08            | B8   | 0'-9" x 1'-6"     |
| 09            | B9   | 0'-9" x 2'-0"     |
| 010           | B10  | 1'-0" x 2'-0"     |
| 011           | B11  | 1'-6" x 2'-0"     |
| 012           | B12  | 0'-4 1/2" x 1'-0" |

- GENERAL NOTES:
- ALL DIMENSIONS ARE IN FOOT UNITS.
  - CONCRETE GRADE SHALL BE **M25** CONFIRMING TO IS 456:2000
  - GRADE OF REINFORCEMENT MARKED THUS (Y) SHALL BE **Fe 500** CONFIRMING TO IS 1786-2008
  - CLEAR COVER FOR REINFORCEMENT  
A) BEAM = 1" B) SLAB = 3/4"
  - THIS DRG. READ IN CONJECTION WITH ARCH.DRGs.
  - STRUCTURAL ENGINEER RESPONSIBILITY IS LIMITED TO DESIGN & ISSUAL OF STRUCTURAL DRAWING ONLY
  - 7.ONUS OF CONSTRUCTION LIES WITH CONTRACTOR/OWNER

|     |                    |     |     |          |
|-----|--------------------|-----|-----|----------|
| 00  | ISSUE FOR APPROVAL | R.S | R.M | 15.07.25 |
| REV | DESCRIPTIONS       | DRN | CHK | DATE     |

PROJECT :-  
PROPOSED CONSTRUCTION OF RESIDENTIAL APARTMENT BUILDING IN PLOT NO.2A, T.S NO:33, WARD NO. D, BLOCK NO. 23 AT NAMAKKAL VILLAGE, NAMAKKAL TALUK, NAMAKKAL CORPORATION, NAMAKKAL DISTRICT.  
(ONLINE APPLICATION NO: SWP/BPA/0551197/2025)  
SWP/ DTCP/ NKL/ BP NO: 29/2025

DRAWING TITLE :-  
R.C DETAILS OF GROUND FLOOR ROOF BEAM

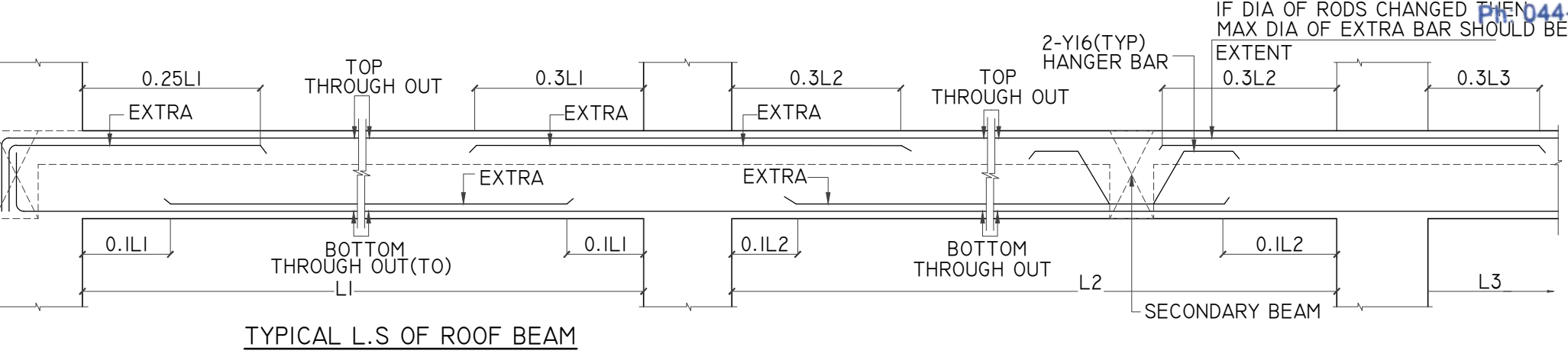
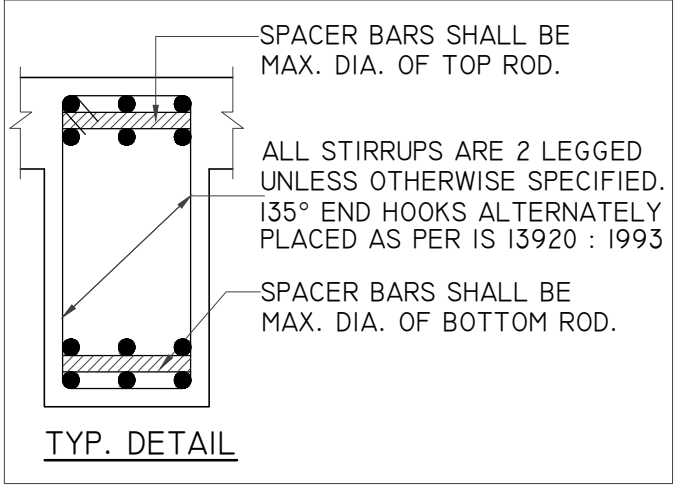
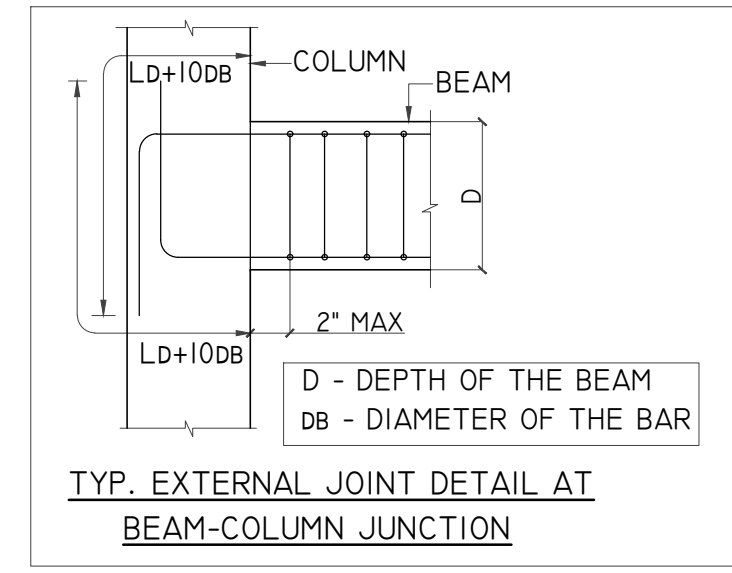
| DATE     | SCALE   | JOB.NO | DRG.NO |
|----------|---------|--------|--------|
| 15.07.25 | 1" : 9' | -----  | 005    |

ARCHITECT / CONSULTANTS :-

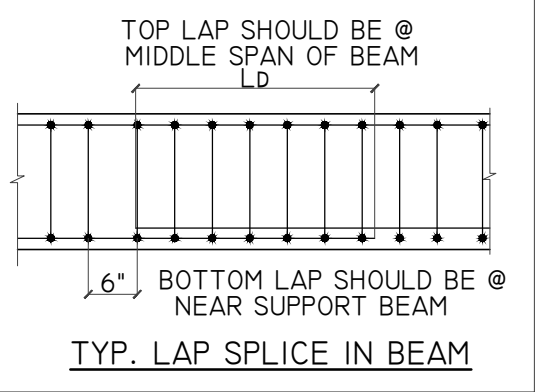
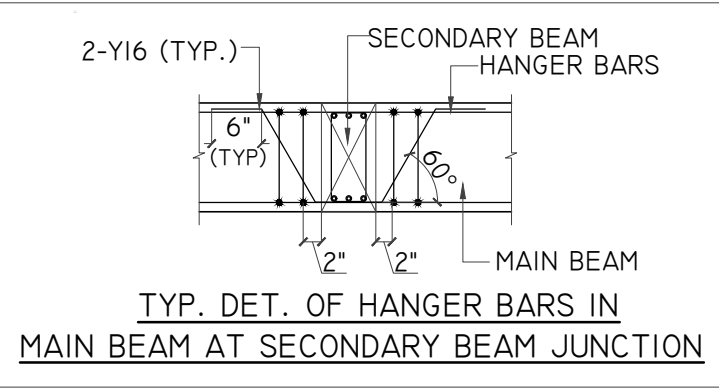
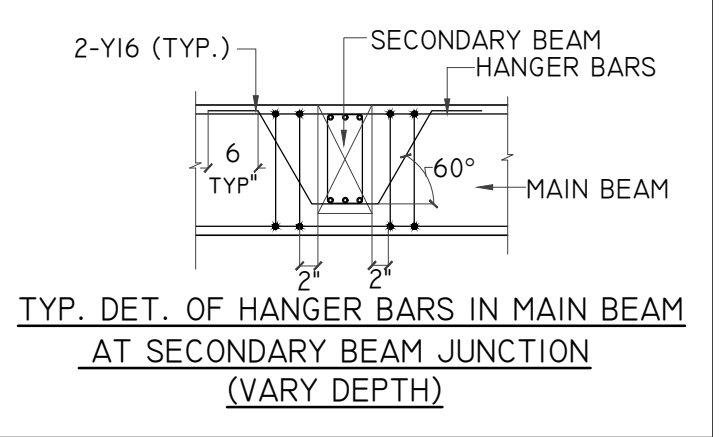
DESIGN  
POV  
ARCHITECTURE & INTERIOR DESIGN  
POV Interiors Private Limited  
No.33, Conran Smith Road, Gopalapuram,  
Chennai - 600 086  
Mob: +91 73053 77709 | info@designpov.in | http://designpov.in

STRUCTURAL CONSULTANTS :-

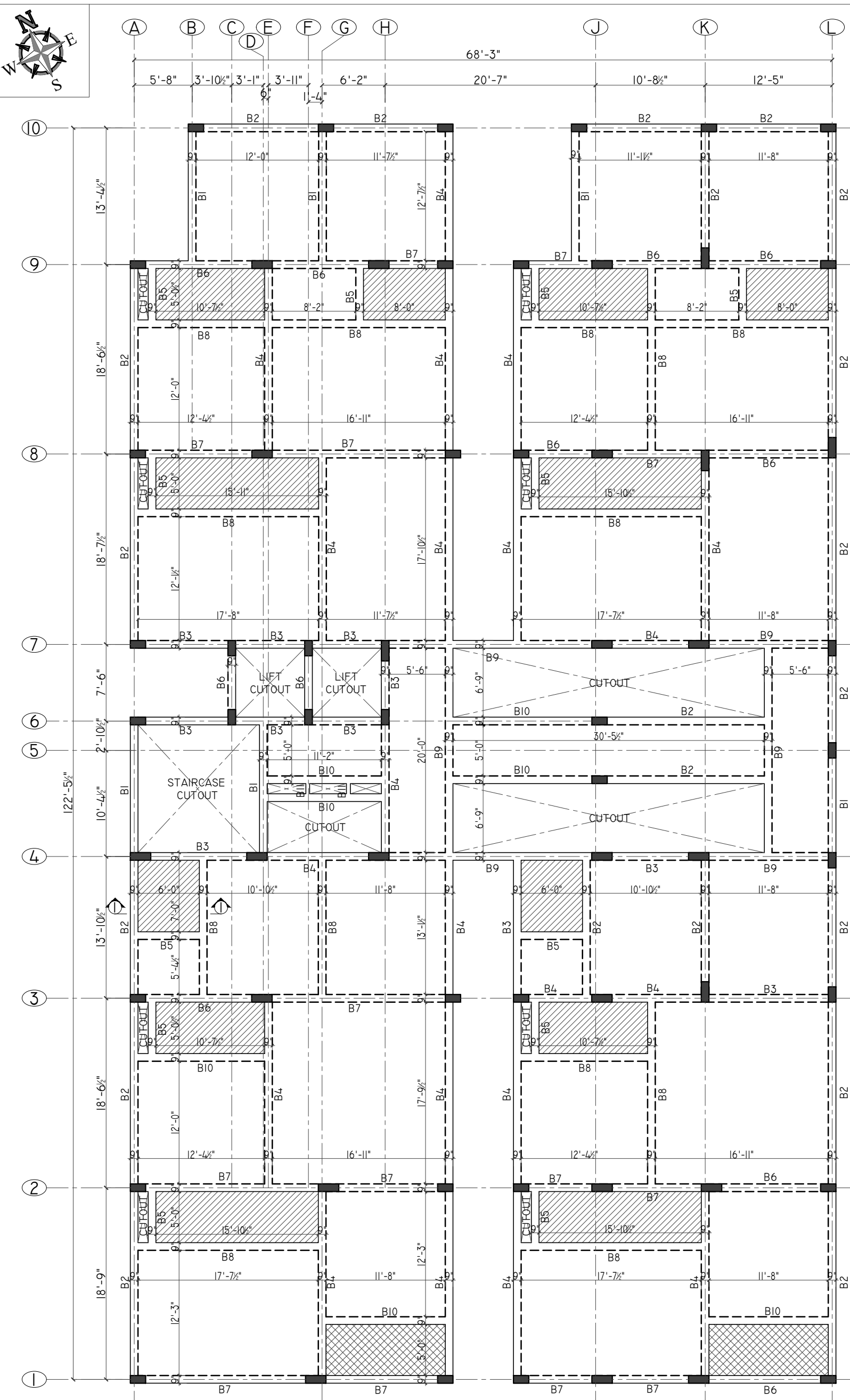
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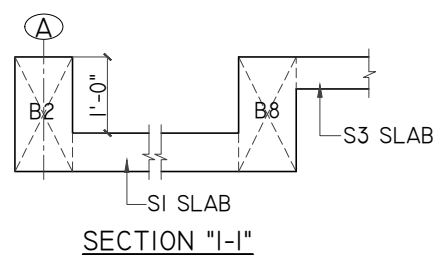
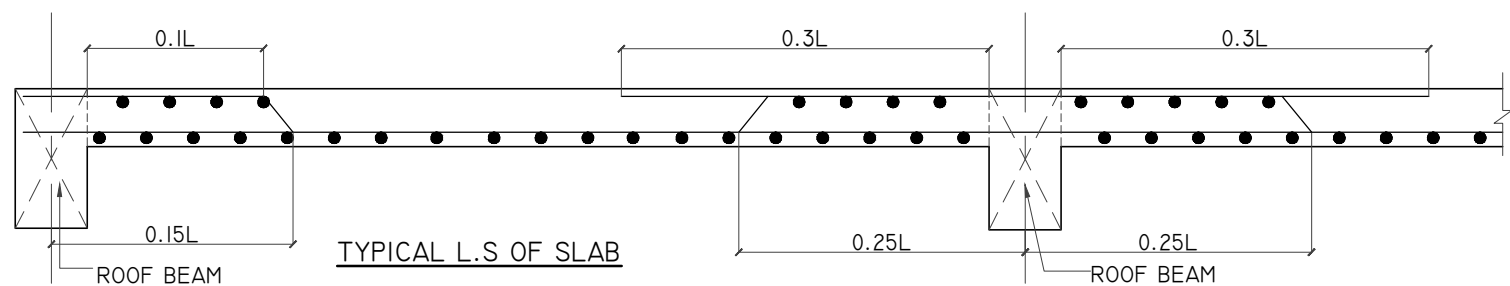
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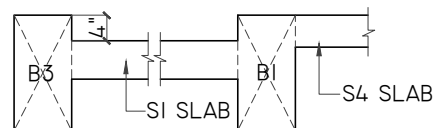
LAYOUT OF TYPICAL FLOOR ROOF BEAM & SLAB

NOTE:

- SLAB SUNK BY 0'-1'-0"      SLAB SUNK BY 0'-4"      PROVIDE Y8 @ 8" C/C AS DISTRIBUTORS WHERE EVER REQUIRED      FOR BEAM REINFORCEMENT DETAILS REFER DWG.NO : 007

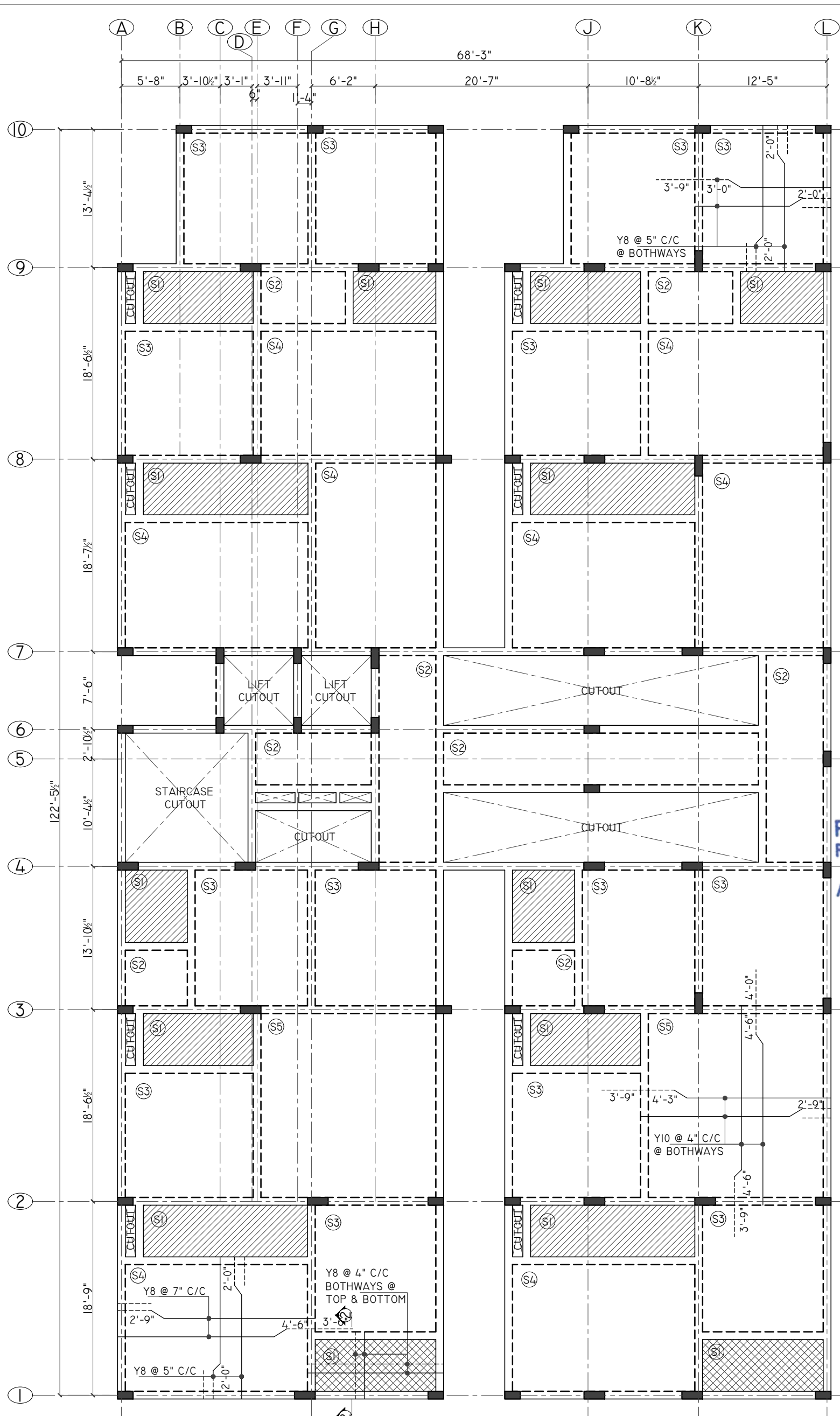


SECTION "I-I"



SECTION "2-2"

R.C LAYOUT OF TYPICAL FLOOR ROOF BEAM & SLAB



| SLAB SCHEDULE |      |         |
|---------------|------|---------|
| SL.NO         | NAME | THICK   |
| 01            | S1   | 6" THK. |
| 02            | S2   | 5" THK. |
| 03            | S3   | 5" THK. |
| 04            | S4   | 5" THK. |
| 05            | S5   | 6" THK. |

| BEAM SCHEDULE |      |                   |
|---------------|------|-------------------|
| SL.NO         | NAME | SIZE              |
| 01            | B1   | 0'-9" x 1'-6"     |
| 02            | B2   | 0'-9" x 1'-6"     |
| 03            | B3   | 0'-9" x 1'-6"     |
| 04            | B4   | 0'-9" x 1'-6"     |
| 05            | B5   | 0'-9" x 1'-6"     |
| 06            | B6   | 0'-9" x 1'-6"     |
| 07            | B7   | 0'-9" x 1'-6"     |
| 08            | B8   | 0'-9" x 1'-6"     |
| 09            | B9   | 0'-9" x 2'-0"     |
| 010           | B10  | 0'-9" x 1'-6"     |
| 011           | B11  | 0'-4 1/2" x 1'-0" |

**R. MANIKANDAN, m.Tech. (Structures)**  
Registered Structural Engineer Grade I (RES), DTCP  
CGLRGN/SE/Gr-I/2019/09/036  
AURA ENGINEERING CONSULTANTS  
# 13/27, 67th Street, R.V. Nagar,  
Ashok Nagar, Chennai-600 083.  
Ph: 044-48597100 Cell: 9790751378

GENERAL NOTES:  
REMOVAL OF FORM WORK (SHUTTERING):

THE FOLLOWING MINIMUM PERIOD (AFTER FINAL POUR)  
SHALL BE ALLOWED BEFORE REMOVAL OF SHUTTERING AS PER  
CLAUSE 11.3.1 OF IS456 : 2000

- A. VERTICAL SIDE OF SHUTTERING OF COLUMNS,  
WALLS AND & BEAMS -----24 HOURS.
- B. BOTTOM SHUTTERING OF SLABS  
(KEEP THE PROPS UNDER) -----3 DAYS.
- C. BOTTOM SHUTTERING OF BEAMS  
(KEEP THE PROPS UNDER) -----7 DAYS.
- D. BOTTOM PROPS TO SLAB  
i) SPANNING UP TO 4.50M -----7 DAYS.  
ii) SPANNING OVER 4.50M -----14 DAYS.
- E. BOTTOM PROPS TO BEAMS  
i) SPANNING UP TO 6.00M -----14 DAYS.  
ii) SPANNING OVER 6.00M -----21 DAYS.

LAP JOINTS FOR REINFORCEMENT BARS:

- I). AT ANY CROSS SECTION OF A MEMBER NOT MORE THAN  
50% OF THE BARS SHALL BE LAPPED.
- II). LAPS SHALL BE STAGGERED WITH A MINIMUM CENTRE TO  
CENTRE DISTANCE OF 1.3 TIMES THE LAP LENGTH OF THE  
BAR FOR TENSION AND COMPRESSION MEMBERS.
- III). LAPS IN COLUMNS SHALL BE PROVIDED AT MID HEIGHT OF  
FLOOR AND NOT AT SLAB LEVEL.
- IV). LAPS IN BEAM AND SLAB SHALL BE PROVIDED AT THE  
POINT OF CONTRAFLEXURE.
- V). WELDING OF BARS SHALL BE DONE AS A STITCH WELD FOR  
5 TIMES THE DIAMETER OF BAR AND A GAP OF 5 TIMES OF  
BAR AND AGAIN WELDING FOR ANOTHER 5 TIMES DIAMETER  
OF BAR USING ARC WELDING AND SPECIAL ELECTRODES  
AFTER GETTING PRIOR WRITTEN APPROVAL FROM THE  
STRUCTURAL CONSULTANT.
- VI). DETAILING OF REBARS SHALL CONFIRM TO SP-34 & IS 13920.

GENERAL NOTES:

- I. ALL DIMENSIONS ARE IN FOOT UNITS.
2. CONCRETE GRADE SHALL BE **M25**  
CONFIRMING TO IS 456:2000
3. GRADE OF REINFORCEMENT MARKED THUS (Y)  
SHALL BE **Fe 500** CONFIRMING TO IS 1786-2008
4. CLEAR COVER FOR REINFORCEMENT  
A) BEAM = 1" B) SLAB = 3/4"
5. THIS DRG. READ IN CONJECTION WITH ARCH.DRGs.
6. STRUCTURAL ENGINEER RESPONSIBILITY IS LIMITED TO  
DESIGN & ISSUAL OF STRUCTURAL DRAWING ONLY
7. CONSTRUCTION LIES WITH CONTRACTOR/OWNER

| REV. | DESCRIPTIONS       | DRN | CHK | DATE     |
|------|--------------------|-----|-----|----------|
| 00   | ISSUE FOR APPROVAL | R.S | R.M | 15.07.25 |

PROJECT :-  
PROPOSED CONSTRUCTION OF RESIDENTIAL APARTMENT BUILDING  
IN PLOT NO.2A, T.S NO:33, WARD NO. D, BLOCK NO. 23 AT  
NAMAKKAL VILLAGE, NAMAKKAL TALUK, NAMAKKAL CORPORATION,  
NAMAKKAL DISTRICT.  
(ONLINE APPLICATION NO: SWP/BPA/0551197/2025)  
SWP/ DTCP/ NKL/ BP NO: 29/2025

DRAWING TITLE :-  
LAYOUT & R.C DETAILS OF TYPICAL  
FLOOR ROOF SLAB & BEAMS

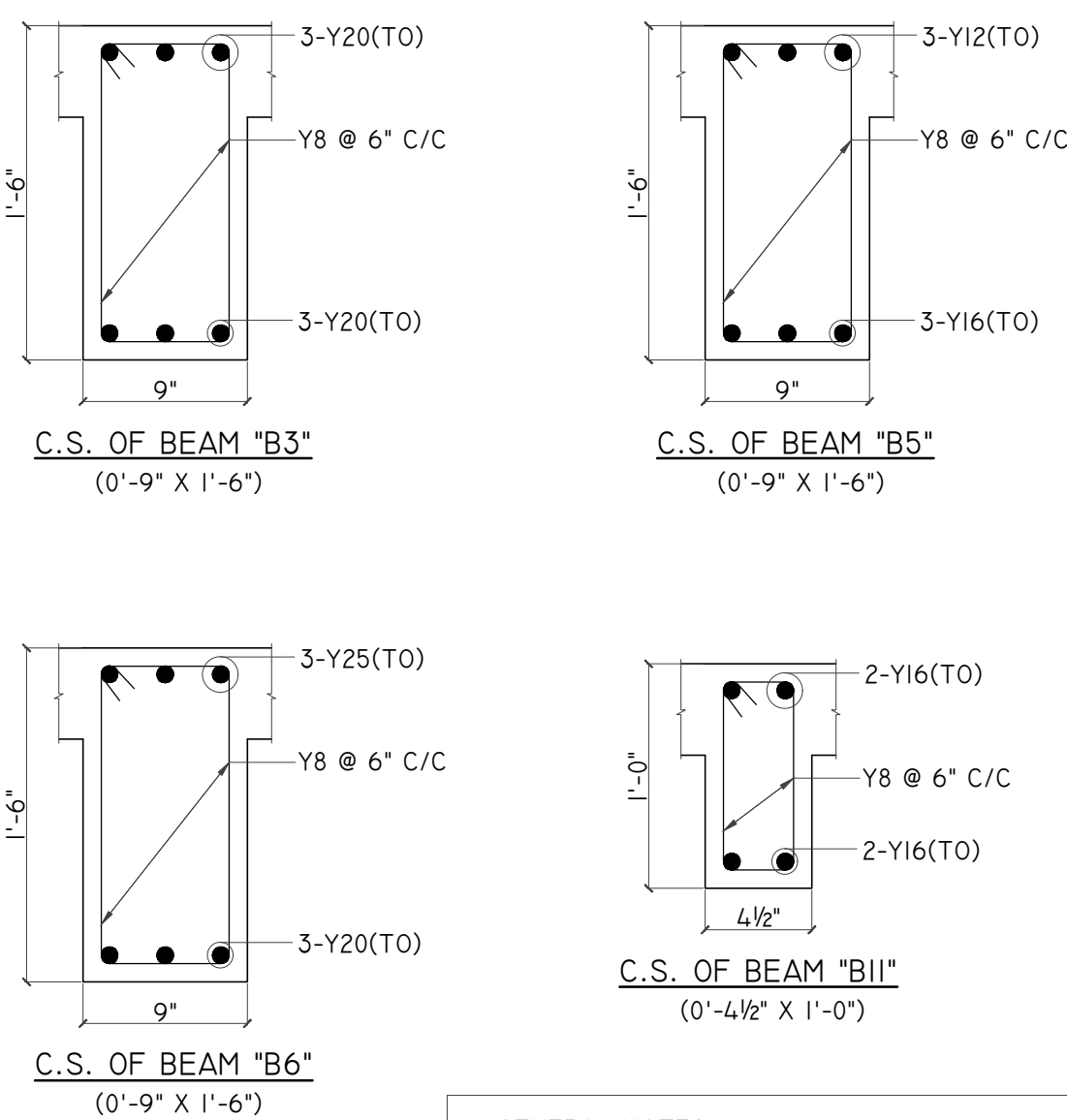
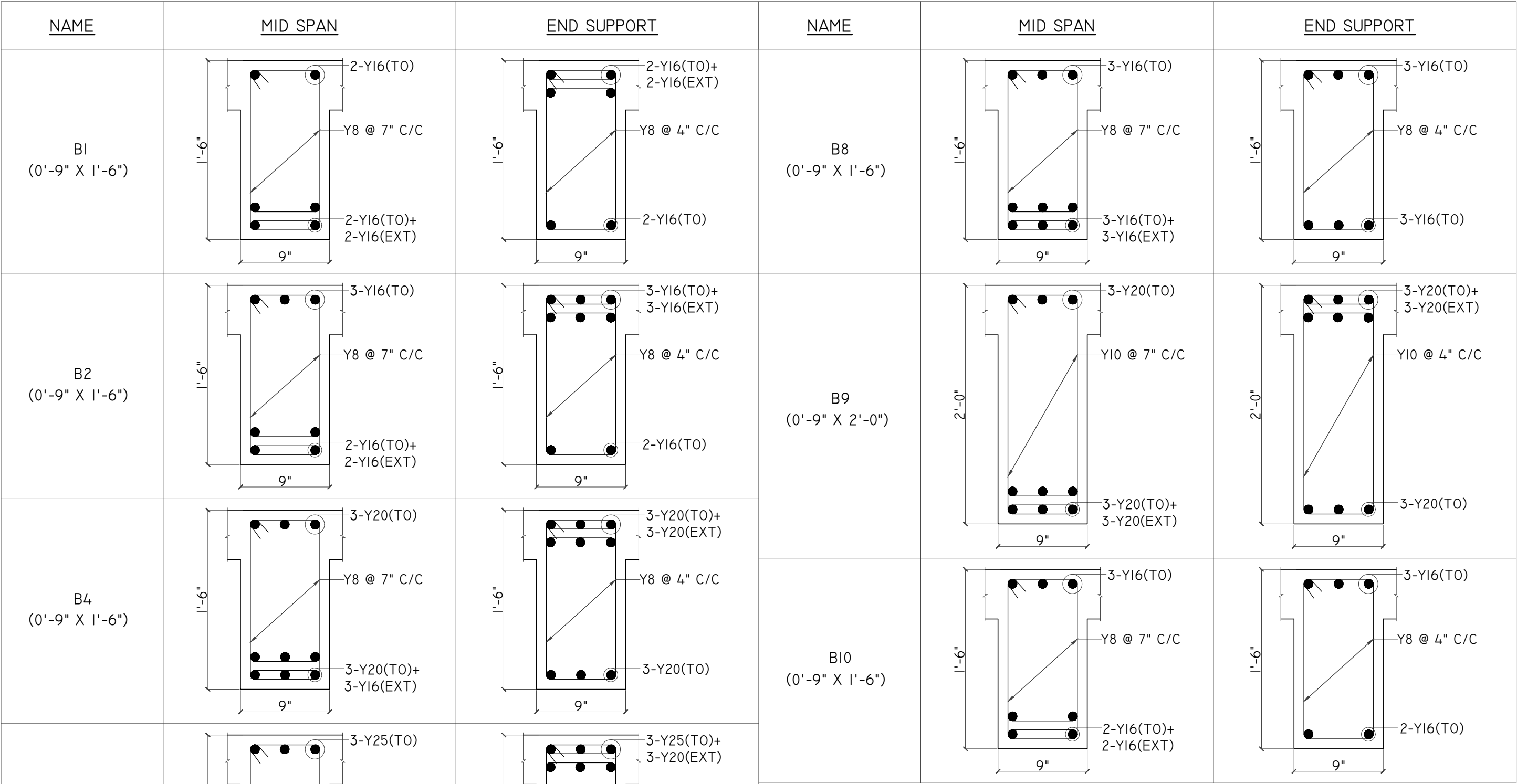
| DATE     | SCALE    | JOB.NO | DRG.NO |
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| 15.07.25 | 1" : 10' | -----  | 006    |

ARCHITECT / CONSULTANTS :-

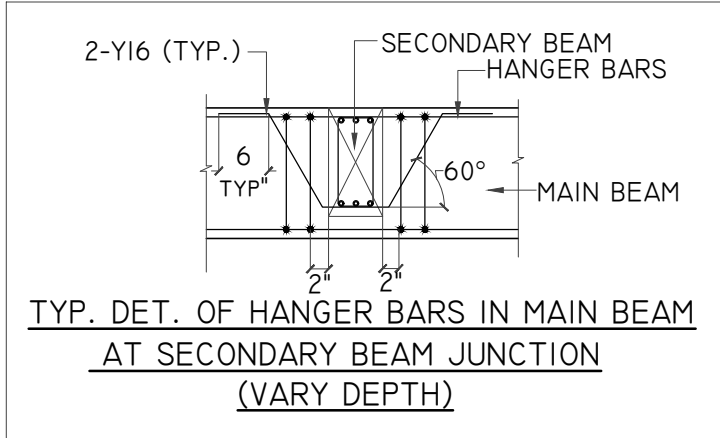


STRUCTURAL CONSULTANTS :-  
**AURA ENGINEERING CONSULTANTS**  
#8, 50th St, Sarvamangala Colony, 7th Avenue,  
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Fixed Line :- 044 4859 7100  
projects.auraengg@gmail.com  
projects@auraengineers.co.in  
http://auraengineers.co.in/

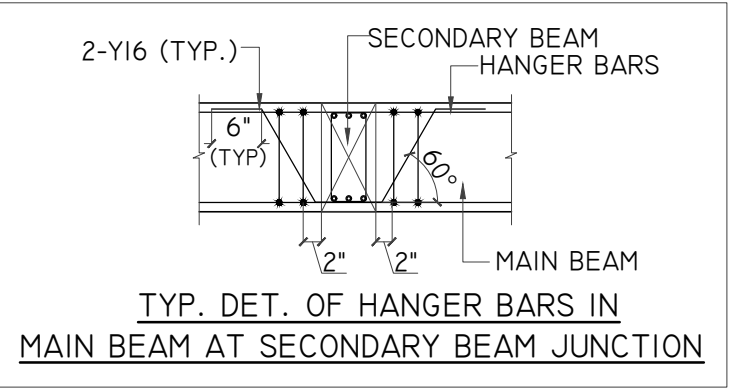
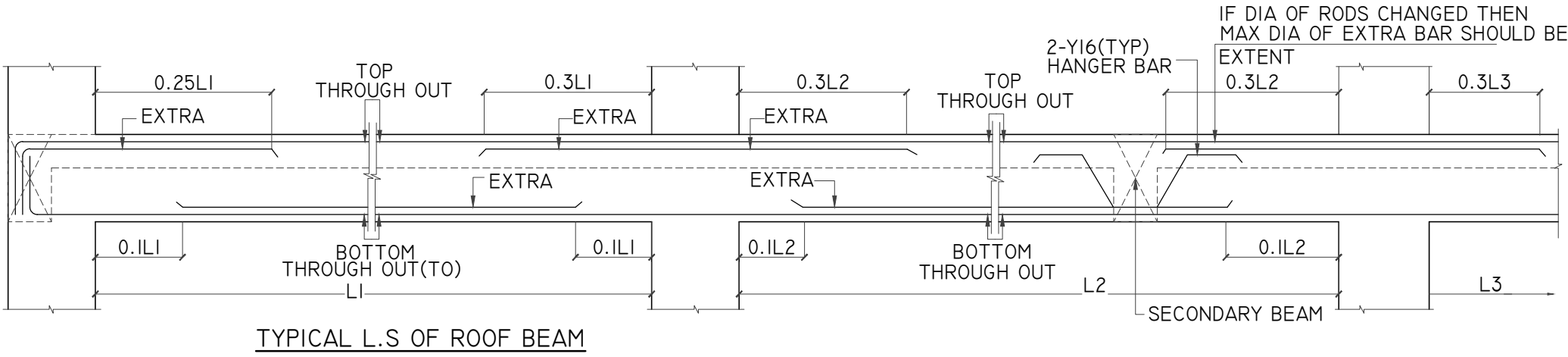
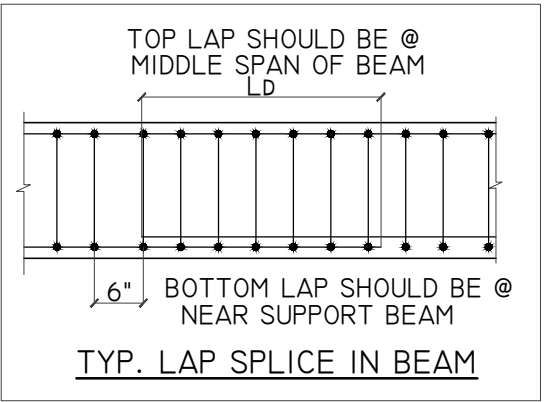
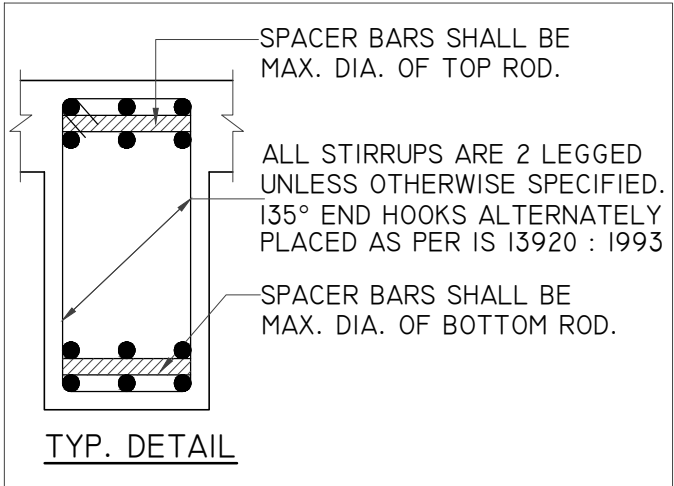
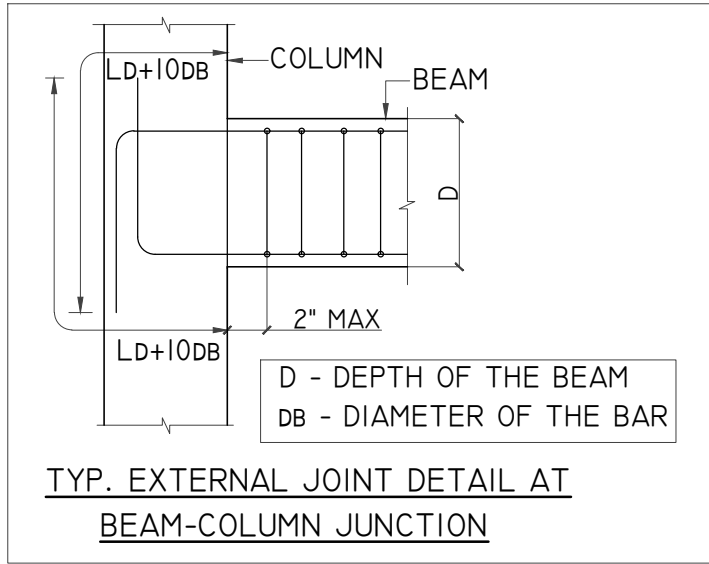
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- GENERAL NOTES:
- ALL DIMENSIONS ARE IN FOOT UNITS.
  - CONCRETE GRADE SHALL BE **M25** CONFIRMING TO IS 456:2000
  - GRADE OF REINFORCEMENT MARKED THUS (Y) SHALL BE **Fe 500** CONFIRMING TO IS 1786-2008
  - CLEAR COVER FOR REINFORCEMENT  
A) BEAM = 1" B) SLAB = 3/4"
  - THIS DRG. READ IN CONJECTION WITH ARCH.DRGS.
  - STRUCTURAL ENGINEER RESPONSIBILITY IS LIMITED TO DESIGN & ISSUAL OF STRUCTURAL DRAWING ONLY
  - 7.ONUS OF CONSTRUCTION LIES WITH CONTRACTOR/OWNER



| BEAM SCHEDULE |      |                   |
|---------------|------|-------------------|
| SL.NO         | NAME | SIZE              |
| 01            | B1   | 0'-9" x 1'-6"     |
| 02            | B2   | 0'-9" x 1'-6"     |
| 03            | B3   | 0'-9" x 1'-6"     |
| 04            | B4   | 0'-9" x 1'-6"     |
| 05            | B5   | 0'-9" x 1'-6"     |
| 06            | B6   | 0'-9" x 1'-6"     |
| 07            | B7   | 0'-9" x 1'-6"     |
| 08            | B8   | 0'-9" x 1'-6"     |
| 09            | B9   | 0'-9" x 2'-0"     |
| 010           | B10  | 0'-9" x 1'-6"     |
| 011           | B11  | 0'-4 1/2" x 1'-0" |



*R. Manikandan*

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|      |                    |     |     |          |
|------|--------------------|-----|-----|----------|
| 00   | ISSUE FOR APPROVAL | R.S | R.M | 15.07.25 |
| REV. | DESCRIPTIONS       | DRN | CHK | DATE     |

PROJECT :-

PROPOSED CONSTRUCTION OF RESIDENTIAL APARTMENT BUILDING IN PLOT NO.2A, T.S NO:33, WARD NO. D, BLOCK NO. 23 AT NAMAKKAL VILLAGE, NAMAKKAL TALUK, NAMAKKAL CORPORATION, NAMAKKAL DISTRICT. (ONLINE APPLICATION NO: SWP/BPA/0551197/2025) SWP/ DTCP/ NKL/ BP NO: 29/2025

|                                        |         |        |        |
|----------------------------------------|---------|--------|--------|
| DRAWING TITLE :-                       |         |        |        |
| R.C DETAILS OF TYPICAL FLOOR ROOF BEAM |         |        |        |
| DATE                                   | SCALE   | JOB.NO | DRG.NO |
| 15.07.25                               | 1" : 9' | -----  | 007    |

ARCHITECT / CONSULTANTS :-

**DESIGN**  
**POV**

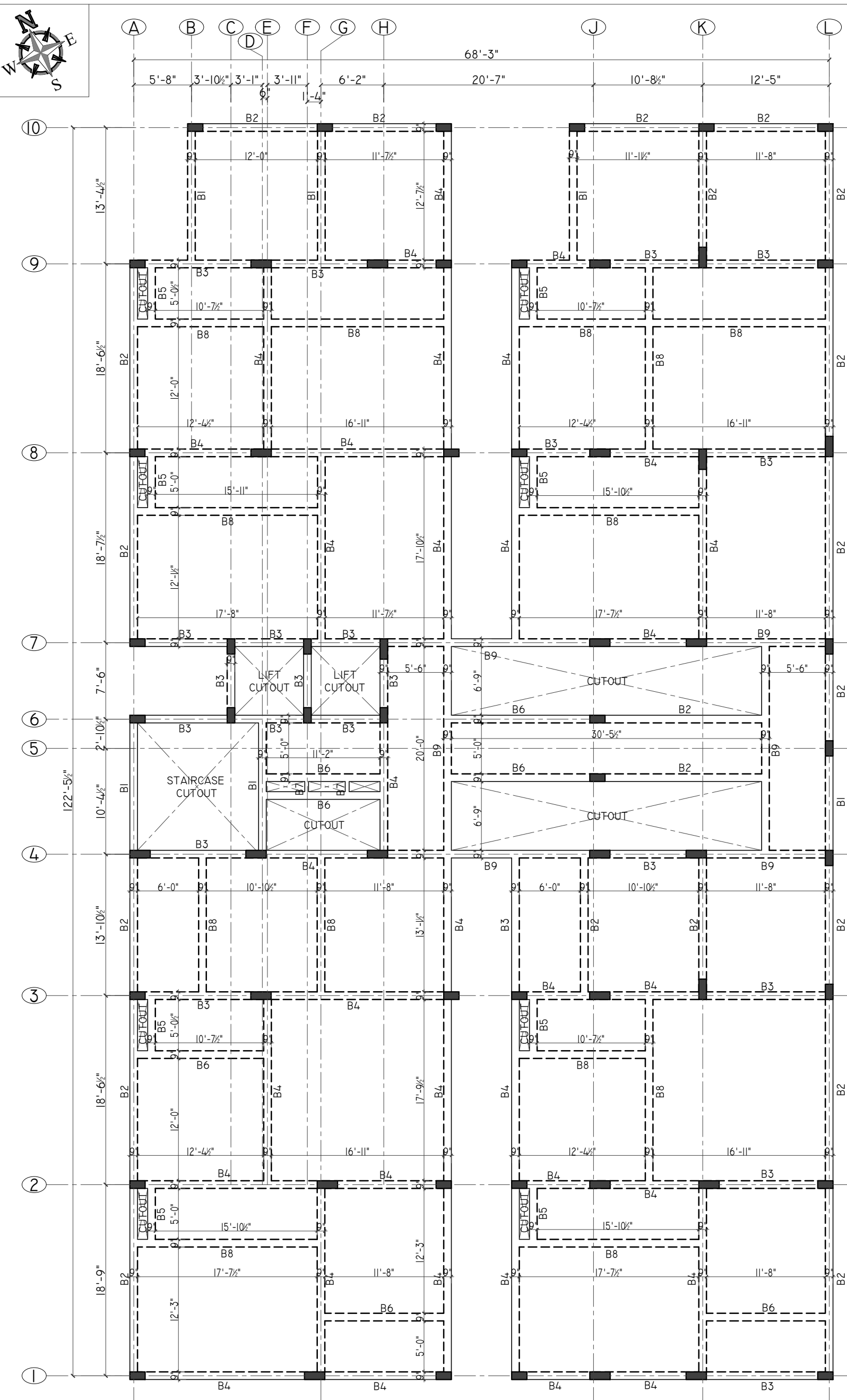
ARCHITECTURE & INTERIOR DESIGN  
POV Interiors Private Limited  
No.33, Corran Smith Road, Gopalapuram,  
Chennai - 600 086  
Mb: +91 73053 77709 | info@designpov.in | http://designpov.in

STRUCTURAL CONSULTANTS :-

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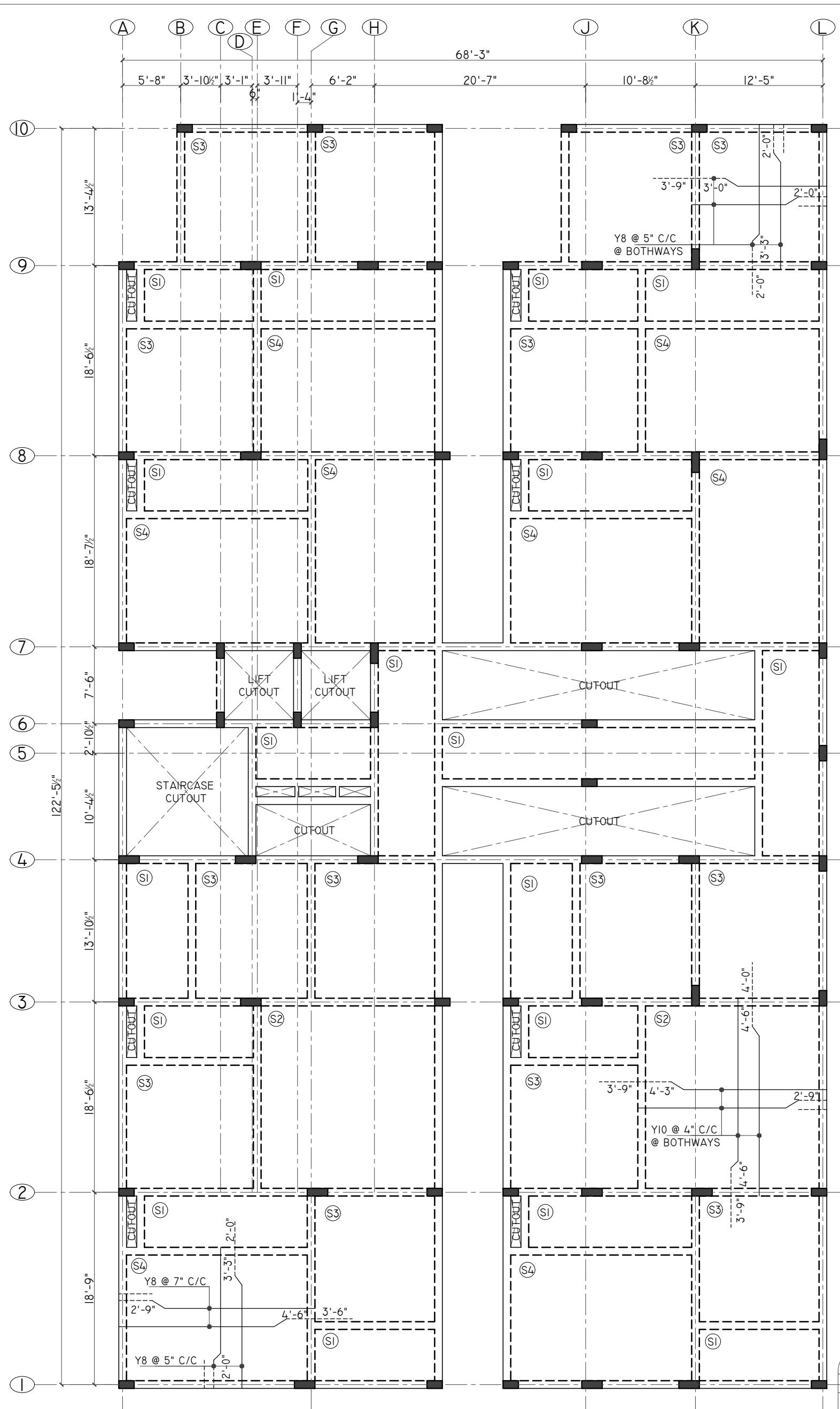
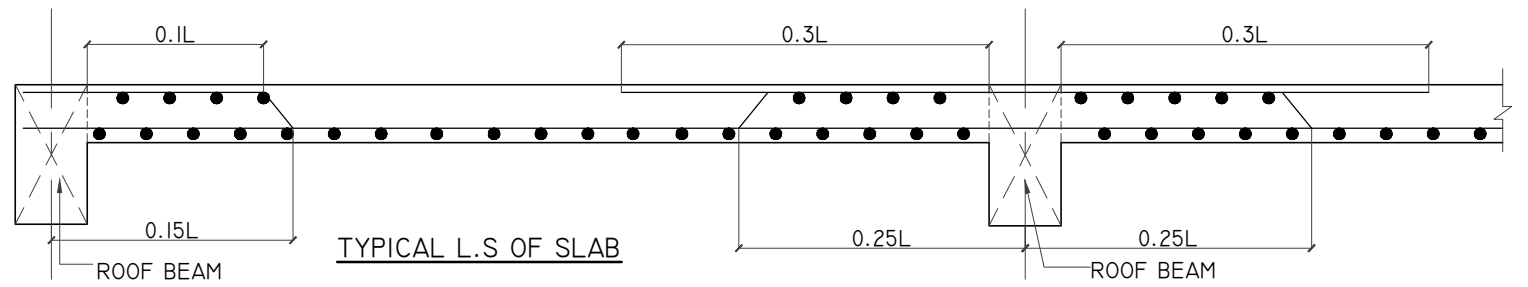
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LAYOUT OF TERRACE FLOOR BEAM & SLAB

NOTE:  
PROVIDE Y8 @ 8" C/C AS DISTRIBUTORS  
WHERE EVER REQUIRED

FOR BEAM REINFORCEMENT  
DETAILS REFER DWG.NO : 009



R.C LAYOUT OF TERRACE FLOOR BEAM & SLAB

**R. MANIKANDAN, M.Tech, (Structures)**  
Registered Structural Engineer Grade I (RES), DTCP  
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# 13/27, 67th Street, R.V. Nagar,  
Ashok Nagar, Chennai-600 083.  
Ph: 044-48597100 Cell: 9790751378

| SLAB SCHEDULE |      |         |
|---------------|------|---------|
| SL.NO         | NAME | THICK   |
| 01            | S1   | 6" THK. |
| 02            | S2   | 6" THK. |
| 03            | S3   | 5" THK. |
| 04            | S4   | 5" THK. |

| BEAM SCHEDULE |      |                   |
|---------------|------|-------------------|
| SL.NO         | NAME | SIZE              |
| 01            | B1   | 0'-9" X 1'-6"     |
| 02            | B2   | 0'-9" X 1'-6"     |
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| 06            | B6   | 0'-9" X 1'-6"     |
| 07            | B7   | 0'-4 1/2" X 1'-0" |
| 08            | B8   | 0'-9" X 1'-6"     |
| 09            | B9   | 0'-9" X 2'-0"     |

**GENERAL NOTES:**  
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THE FOLLOWING MINIMUM PERIOD (AFTER FINAL POUR)  
SHALL BE ALLOWED BEFORE REMOVAL OF SHUTTERING AS PER  
CLAUSE 11.3.1 OF IS456 : 2000

- A. VERTICAL SIDE OF SHUTTERING OF COLUMNS,  
WALLS AND & BEAMS -----24 HOURS.
- B. BOTTOM SHUTTERING OF SLABS  
(KEEP THE PROPS UNDER) -----3 DAYS.
- C. BOTTOM SHUTTERING OF BEAMS  
(KEEP THE PROPS UNDER) -----7 DAYS.
- D. BOTTOM PROPS TO SLAB  
i) SPANNING UP TO 4.50M -----7 DAYS.  
ii) SPANNING OVER 4.50M -----14 DAYS.
- E. BOTTOM PROPS TO BEAMS  
i) SPANNING UP TO 6.00M -----14 DAYS.  
ii) SPANNING OVER 6.00M -----21 DAYS.

- LAP JOINTS FOR REINFORCEMENT BARS:**
- I). AT ANY CROSS SECTION OF A MEMBER NOT MORE THAN  
50% OF THE BARS SHALL BE LAPPED.
- II). LAPS SHALL BE STAGGERED WITH A MINIMUM CENTRE TO  
CENTRE DISTANCE OF 1.3 TIMES THE LAP LENGTH OF THE  
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OF BAR USING ARC WELDING AND SPECIAL ELECTRODES  
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STRUCTURAL CONSULTANT.
- VI). DETAILING OF REBARS SHALL CONFIRM TO SP-34 & IS 13920.

- GENERAL NOTES:**
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2. CONCRETE GRADE SHALL BE **M25**  
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3. GRADE OF REINFORCEMENT MARKED THUS (Y)  
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4. CLEAR COVER FOR REINFORCEMENT  
A) BEAM = 1" B) SLAB = 3/4"
5. THIS DRG. READ IN CONJECTION WITH ARCH.DRGs.
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| REV. | DESCRIPTIONS       | DRN | CHK | DATE     |
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| 00   | ISSUE FOR APPROVAL | R.S | R.M | 15.07.25 |

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NAMAKKAL DISTRICT.  
(ONLINE APPLICATION NO: SWP/BPA/0551197/2025)  
SWP/ DTCP/ NK/L/ BP NO: 29/2025

| DRAWING TITLE :-<br>LAYOUT & R.C DETAILS OF TERRACE FLOOR SLAB & BEAMS |          |        |        |
|------------------------------------------------------------------------|----------|--------|--------|
| DATE                                                                   | SCALE    | JOB.NO | DRG.NO |
| 15.07.25                                                               | 1" : 10' | -----  | 008    |

ARCHITECT / CONSULTANTS :-

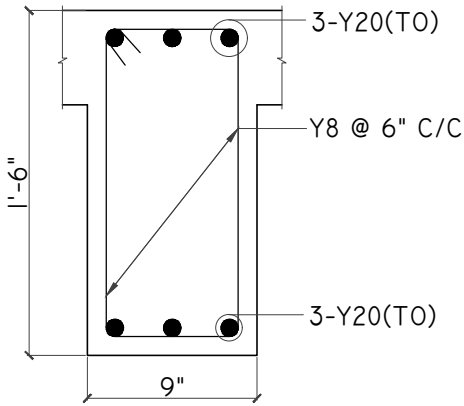
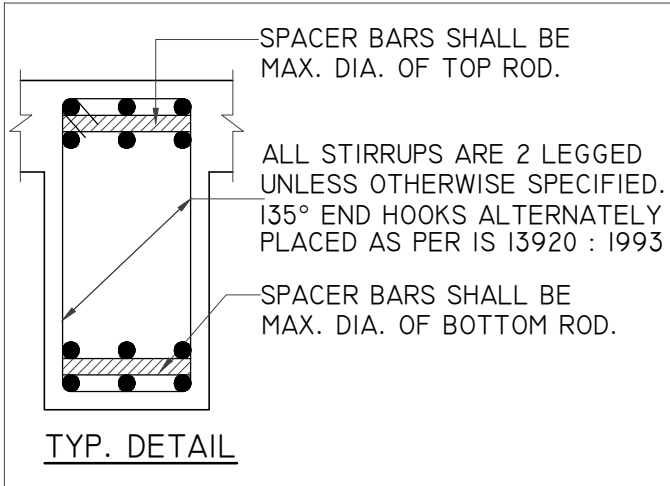
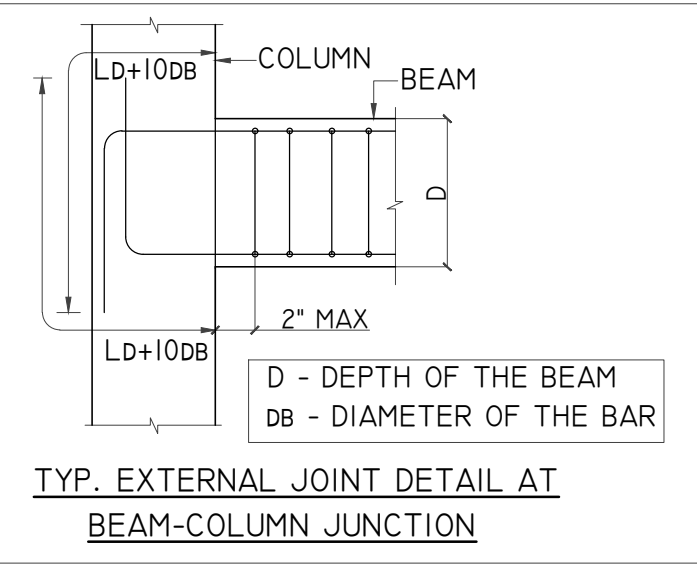
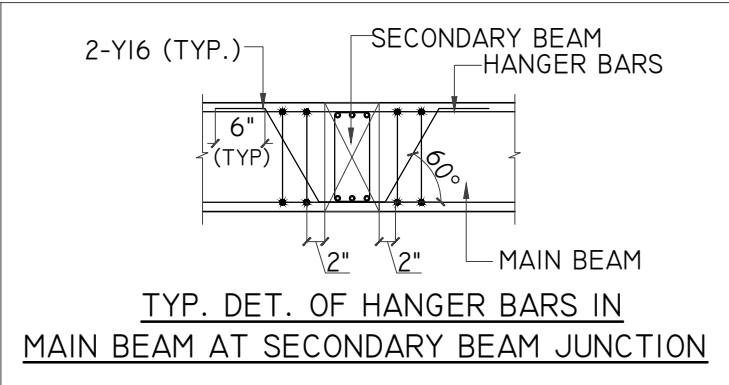
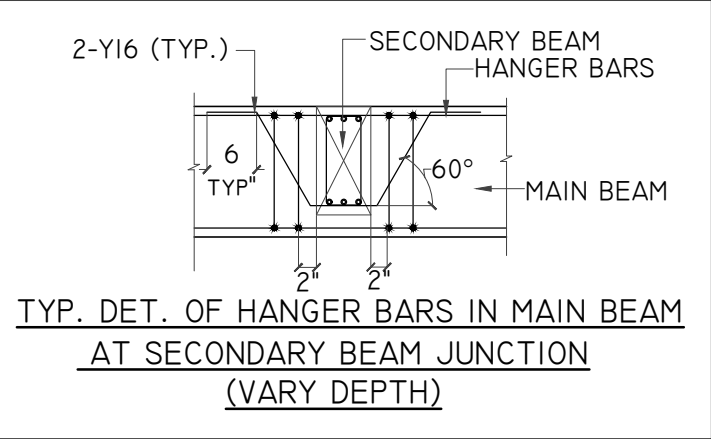
ARCHITECTURE & INTERIOR DESIGN  
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Chennai - 600 086  
Mo: +91 73053 77799 | info@designpov.in | http://designpov.in

STRUCTURAL CONSULTANTS :-

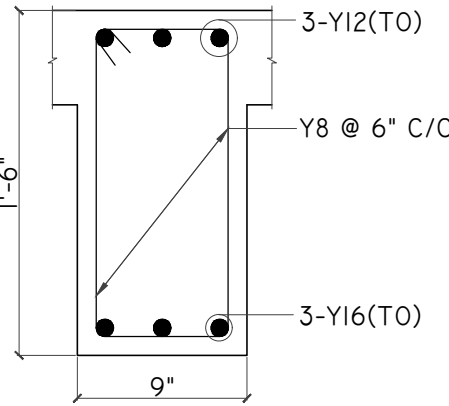
**AURA ENGINEERING CONSULTANTS**  
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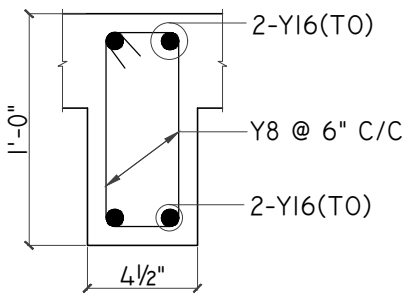
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|-----------------------|----------|-------------|-----------------------|----------|-------------|
| B1<br>(0'-9" X 1'-6") |          |             | B8<br>(0'-9" X 1'-6") |          |             |
| B2<br>(0'-9" X 1'-6") |          |             | B9<br>(0'-9" X 2'-0") |          |             |
| B4<br>(0'-9" X 1'-6") |          |             | B6<br>(0'-9" X 1'-6") |          |             |



C.S. OF BEAM "B3"  
(0'-9" X 1'-6")



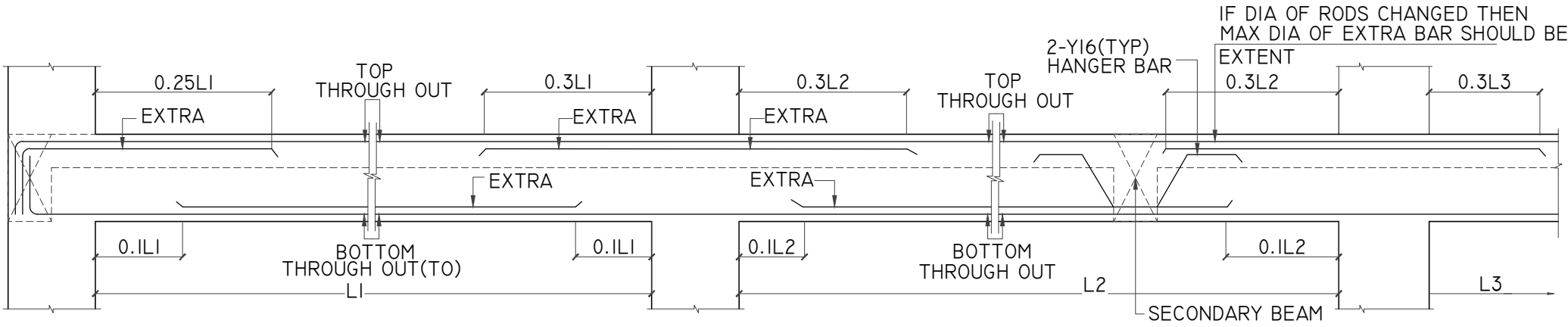
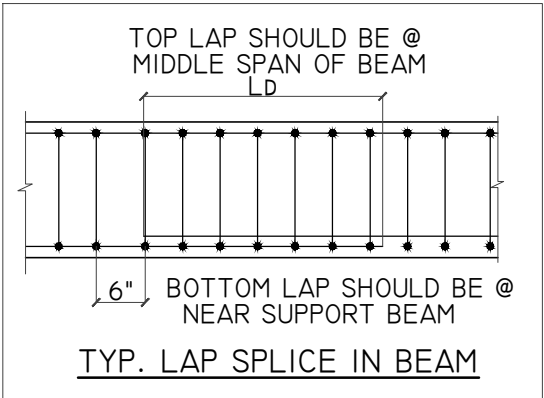
C.S. OF BEAM "B5"  
(0'-9" X 1'-6")



C.S. OF BEAM "B7"  
(0'-4 1/2" X 1'-0")

*R. Manikandan*  
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| BEAM SCHEDULE |      |                   |
|---------------|------|-------------------|
| SL.NO         | NAME | SIZE              |
| 01            | B1   | 0'-9" x 1'-6"     |
| 02            | B2   | 0'-9" x 1'-6"     |
| 03            | B3   | 0'-9" x 1'-6"     |
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| 05            | B5   | 0'-9" x 1'-6"     |
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| 07            | B7   | 0'-4 1/2" x 1'-0" |
| 08            | B8   | 0'-9" x 1'-6"     |
| 09            | B9   | 0'-9" x 2'-0"     |



TYPICAL L.S OF ROOF BEAM

**GENERAL NOTES:**  
**REMOVAL OF FORM WORK (SHUTTERING):**  
THE FOLLOWING MINIMUM PERIOD (AFTER FINAL POUR)  
SHALL BE ALLOWED BEFORE REMOVAL OF SHUTTERING AS PER  
CLAUSE II.3.1 OF IS456 : 2000  
A. VERTICAL SIDE OF SHUTTERING OF COLUMNS,  
WALLS AND & BEAMS -----24 HOURS.  
B. BOTTOM SHUTTERING OF SLABS  
(KEEP THE PROPS UNDER) -----3 DAYS.  
C. BOTTOM SHUTTERING OF BEAMS  
(KEEP THE PROPS UNDER) -----7 DAYS.  
D. BOTTOM PROPS TO SLAB  
i) SPANNING UP TO 4.50M -----7 DAYS.  
ii) SPANNING OVER 4.50M -----14 DAYS.  
E. BOTTOM PROPS TO BEAMS  
i) SPANNING UP TO 6.00M -----14 DAYS.  
ii) SPANNING OVER 6.00M -----21DAYS.  
**LAP JOINTS FOR REINFORCEMENT BARS:**  
I). AT ANY CROSS SECTION OF A MEMBER NOT MORE THAN  
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III). LAPS IN COLUMNS SHALL BE PROVIDED AT MID HEIGHT OF  
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V). WELDING OF BARS SHALL BE DONE AS A STITCH WELD FOR  
5 TIMES THE DIAMETER OF BAR AND A GAP OF 5 TIMES OF  
BAR AND AGAIN WELDING FOR ANOTHER 5 TIMES DIAMETER  
OF BAR USING ARC WELDING AND SPECIAL ELECTRODES  
AFTER GETTING PRIOR WRITTEN APPROVAL FROM THE  
STRUCTURAL CONSULTANT.  
VI). DETAILING OF REBARS SHALL CONFIRM TO SP-34 & IS 13920.

**GENERAL NOTES:**  
1. ALL DIMENSIONS ARE IN FOOT UNITS.  
2. CONCRETE GRADE SHALL BE **M25**  
CONFIRMING TO IS 456:2000  
3. GRADE OF REINFORCEMENT MARKED THUS (Y)  
SHALL BE **Fe 500** CONFIRMING TO IS 1786-2008  
4. CLEAR COVER FOR REINFORCEMENT  
A) BEAM = 1" B) SLAB = 3/4"  
5. THIS DRG. READ IN CONJECTION WITH ARCH.DRGS.  
6. STRUCTURAL ENGINEER RESPONSIBILITY IS LIMITED TO  
DESIGN & ISSUAL OF STRUCTURAL DRAWING ONLY

|     |                    |     |     |          |
|-----|--------------------|-----|-----|----------|
| 00  | ISSUE FOR APPROVAL | R.S | R.M | 15.07.25 |
| REV | DESCRIPTIONS       | DRN | CHK | DATE     |

**PROJECT :-**  
PROPOSED CONSTRUCTION OF RESIDENTIAL APARTMENT  
BUILDING IN PLOT NO.2A, T.S NO:33, WARD NO. D, BLOCK  
NO. 23 AT NAMAKKAL VILLAGE, NAMAKKAL TALUK,  
NAMAKKAL CORPORATION, NAMAKKAL DISTRICT.  
(ONLINE APPLICATION NO: SWP/BPA/0551197/2025)  
SWP/ DTCP/ NKL/ BP NO: 29/2025

**DRAWING TITLE :-**  
R.C DETAILS OF TERRACE FLOOR BEAM

|          |         |        |        |
|----------|---------|--------|--------|
| DATE     | SCALE   | JOB.NO | DRG.NO |
| 15.07.25 | 1" : 9' | -----  | 009    |

**ARCHITECT / CONSULTANTS :-**

**DESIGN**  
**POV**  
ARCHITECTURE & INTERIOR DESIGN  
POV Interiors Private Limited  
No.33, Corran Smith Road, Gopalapuram,  
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Mob: +91 73053 77709 | info@designpov.in | http://designpov.in

**STRUCTURAL CONSULTANTS :-**

**AURA ENGINEERING CONSULTANTS**  
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