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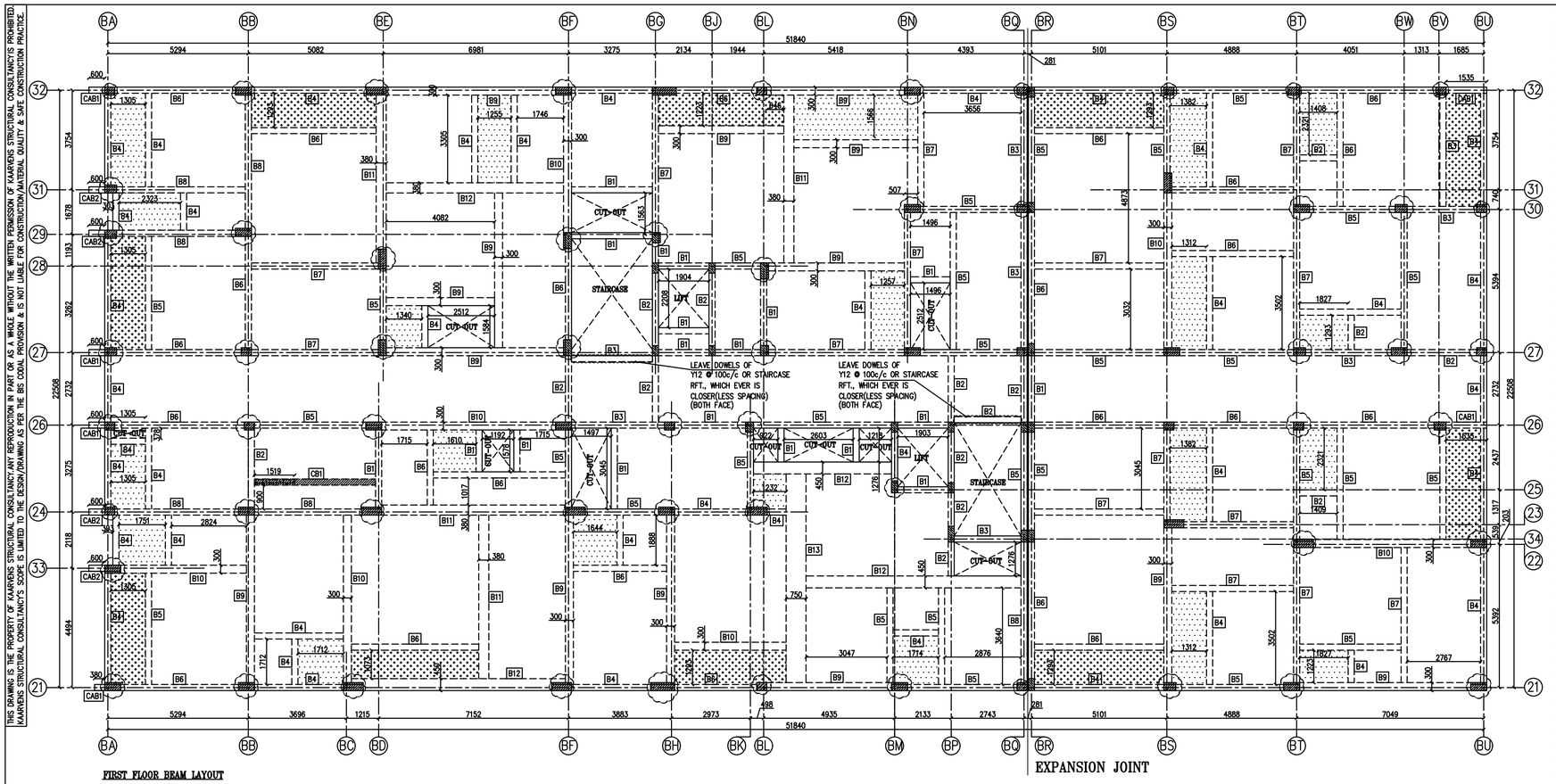
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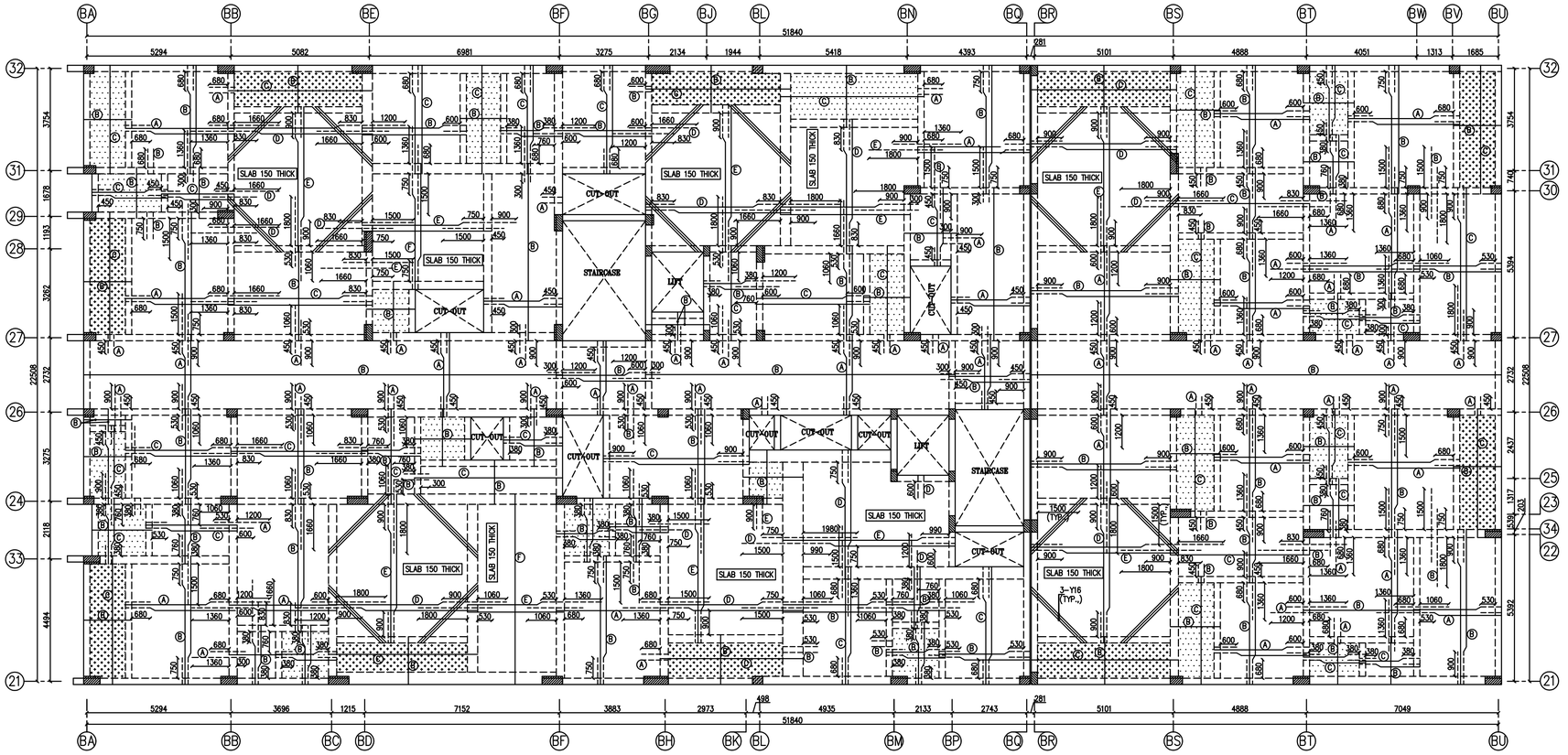
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FIRST FLOOR BEAM LAYOUT



FIRST FLOOR SLAB LAYOUT

FIRST FLOOR BEAM DETAILS

S No	Beam No	Beam Size	Section @ XX End span	Section @ YY Mid span
1	B1	230x300	3 – Y12 Y8 @ 150c/c 3 – Y12	
2	B2	230x380	3 – Y12 Y8 @ 150c/c 3 – Y12	
3	B3	230x380	2 – Y12 + 2 – Y12 (EXT)• Y8 @ 150c/c 2 – Y12	2 – Y12 Y8 @ 175c/c 2 – Y12 + 2 – Y12 (EXT)•
4	B4/ CAB1	230x450	2 – Y16 Y8 @ 150c/c 2 – Y16	
5	B5	230x450	3 – Y16 Y8 @ 150c/c 3 – Y16	
6	B6	230x450	2 – Y16 + 2 – Y16 (EXT)• Y8 @ 150c/c 2 – Y16	2 – Y16 Y8 @ 150c/c 2 – Y16 + 2 – Y16 (EXT)•
7	B7	230x450	2 – Y16 + 3 – Y16 (EXT)• Y8 @ 150c/c 2 – Y16	2 – Y16 Y8 @ 175c/c 2 – Y16 + 3 – Y16 (EXT)•
8	B8	230x450	2 – Y20 + 2 – Y20 (EXT)• Y8 @ 125c/c 2 – Y20	2 – Y20 Y8 @ 150c/c 2 – Y20 + 2 – Y20 (EXT)•
9	B9	300x450	2 – Y20 + 2 – Y25 (EXT)• Y10 @ 125c/c 2 – Y20	2 – Y20 Y10 @ 125c/c 2 – Y20 + 2 – Y25 (EXT)•
10	B10	300x450	3 – Y25 + 2 – Y20 (EXT)• Y10 @ 125c/c 3 – Y25	3 – Y25 Y10 @ 150c/c 3 – Y25 + 2 – Y20 (EXT)•
11	B11	380x450	3 – Y25 + 2 – Y25 (EXT)• Y10 @ 150c/c 3 – Y25	3 – Y25 Y10 @ 150c/c 3 – Y25 + 2 – Y25 (EXT)•
12	B12	450x450	8 – Y25 Y10 @ 150c/c (4–Legged) 8 – Y25	
13	B13	750x450	12 – Y25 Y10 @ 150c/c (6–Legged) 12 – Y25	
14	CAB2	230x450	2 – Y20 Y8 @ 150c/c 2 – Y20	
15	CB1	230x125	6 – Y12 Y8 @ 150c/c	

FIRST FLOOR SLAB DETAILS

THICKNESS :125 (UNLESS NOTED)

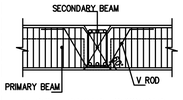
A	Y8 @ 150 C/C
B	Y8 @ 175 C/C
C	Y8 @ 200 C/C
D	Y10 @ 150 C/C
E	Y10 @ 175 C/C
F	Y10 @ 200 C/C

LIVE LOAD SCHEDULE

DESCRIPTION	LIVE LOAD (kN/m²)
FIRST FLOOR	2



TYPICAL BEAM HOOK DETAILS



TYPICAL PRIMARY SECONDARY BEAM JUNCTION DETAIL (N.T.S)

NOTE

* ALL SUNKEN SLABS SHOULD BE FILLED ONLY WITH LIGHT WEIGHT FILLING MATERIAL (HEMALITE,VERMICULITE) OF UNIT WEIGHT 90 kg/m3 OR 1 kN/m2.

PRE CAMBERS FOR BEAMS

PRE CAMBERS OF 0.4% OF THE SPAN BE PROVIDED FOR ALL HORIZONTAL STRUCTURAL MEMBERS SPAN EXCEEDING 5M (1.5M FOR CANTILEVER).

GENERAL NOTES

1. THIS DRAWING SHOULD BE READ ALONG WITH ARCHITECTURAL DRAWINGS.
2. ALL DIMENSIONS ARE IN MILLIMETERS.
3. ALL STRUCTURAL CONCRETE SHALL BE OF M25(1:1:2) GRADE CONFORMING TO IS:456.
4. ALL REINFORCEMENT(Y) SHALL BE H.Y.S.D. BARS OF GRADE Fe 550 CONFORMING TO IS:1786.
5. THE CLEAR COVER FOR REINFORCEMENT SHALL BE 12.5mm FOR SLAB, 25mm FOR BEAM & 40mm COLUMN
6. LAP LENGTH (Ld) SHALL BE 50*D (DIA OF BAR) FOR ALL BARS.
7. NOT MORE THAN 50% OF REINFORCEMENT SHALL BE LAPPED AT ANY PARTICULAR JUNCTION.
8. THIS DRAWING IS NOT TO BE SCALED ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
9. MINIMUM DEPTH OF SUNKEN SHALL BE 230mm.
10. ALL SLABS SHALL BE PROVIDED WITH TOP DISTRIBUTORS OF Y8 @ 200 C/C.
11. SPACER BAR TO BE PROVIDED IN BETWEEN TWO LAYERS OF REINFORCEMENT OF SAME DIA(MIN.,20mm) AT EVERY 1000 C/C.
12. THE SITE IN-CHARGE SHALL CHECK AND VERIFY ALL DIMENSIONS ON SITE BEFORE COMMENCEMENT OF WORKS AND ANY DISCREPANCIES SHALL BE REPORTED TO THE STRUCTURAL ENGINEER BEFORE EXECUTION.

LEGENDS

- – FULL HEIGHT COLUMN
- – 230mm SUNKEN
- – 100mm SUNKEN
- – CONCEALED BEAM
- – LIGHT WEIGHT BRICK WALL
- – TOP REINFORCEMENT
- – BOTTOM REINFORCEMENT

ABBREVIATIONS

Ld	– DEVELOPMENT LENGTH
CAB	– CANTILEVER BEAM
N.T.S	– NOT TO SCALE
LVL	– LEVEL
CB	– CONCEALED BEAM

NOTE
*FRONT ELEVATION TO BE DETAIL.

ONLY FOR REVIEW PURPOSE

REF	DESCRIPTION	BY	DATE
REVISIONS			

CLIENT: Morais Architect X.

PROJECT: Morais Eden Apartment.

TITLE: First Floor Slab, Beam Layout & Details.

DSGN	DRWN	CHKD	APPD	DATE	SHEET	SCALE
JS	SP	SKAK	SKAK	27.06.26	A1	1:100

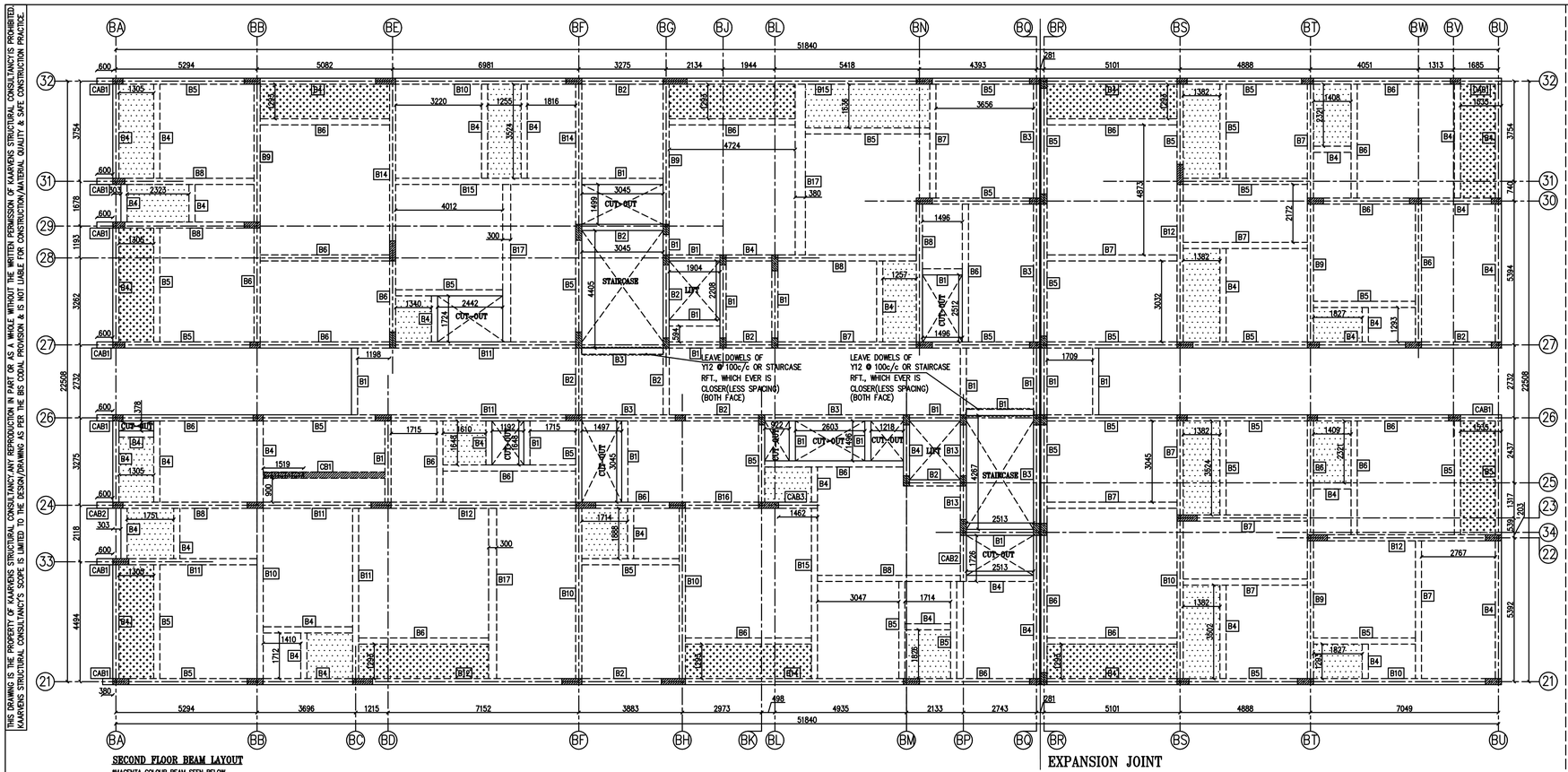
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STRUCTURAL CONSULTANT

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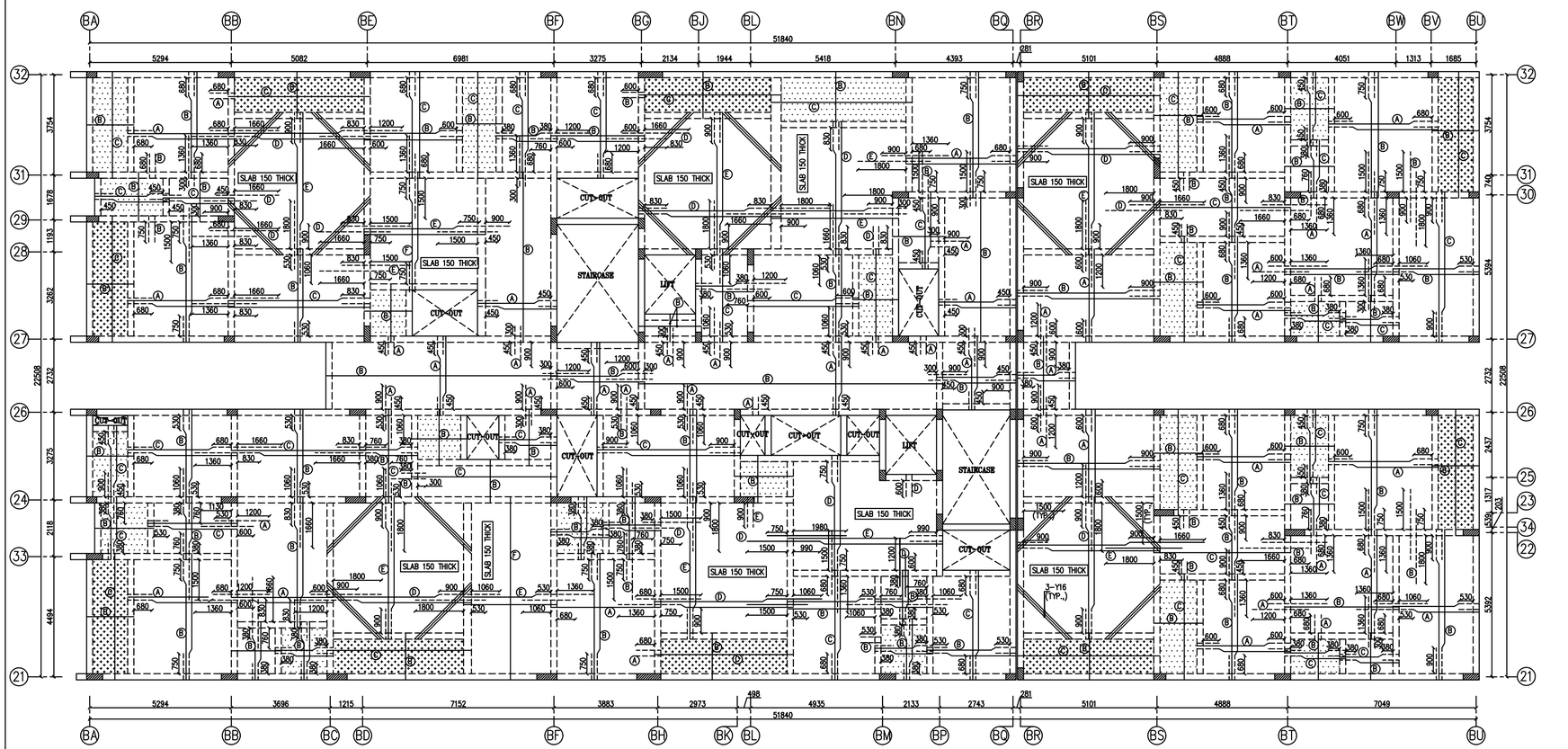
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SECOND FLOOR BEAM LAYOUT

*MAGENTA COLOUR BEAM SEEN BELOW



SECOND FLOOR SLAB LAYOUT

*MAGENTA COLOUR BEAM SEEN BELOW

SECOND FLOOR BEAM DETAILS

S No	Beam No	Beam Size	Section @ XX End span	Section @ YY Mid span
1	B1	230x300	3 – Y12 Y8 @ 150c/c 3 – Y12	
2	B2	230x380	3 – Y12 Y8 @ 150c/c 3 – Y12	
3	B3	230x380	2 – Y12 + 2 – Y16 (EXT)• Y8 @ 150c/c 2 – Y12	2 – Y12 Y8 @ 175c/c 2 – Y12 + 2 – Y16 (EXT)•
4	B4	230x450	2 – Y16 Y8 @ 150c/c 2 – Y16	
5	B5	230x450	3 – Y16 Y8 @ 150c/c 3 – Y16	
6	B6	230x450	2 – Y16 + 2 – Y16 (EXT)• Y8 @ 125c/c 2 – Y16	2 – Y16 Y8 @ 150c/c 2 – Y16 + 2 – Y16 (EXT)•
7	B7	230x450	2 – Y16 + 3 – Y16 (EXT)• Y8 @ 125c/c 2 – Y16	2 – Y16 Y8 @ 150c/c 2 – Y16 + 3 – Y16 (EXT)•
8	B8	230x450	3 – Y16 + 3 – Y16 (EXT)• Y8 @ 100c/c 3 – Y16	3 – Y16 Y8 @ 100c/c 3 – Y16 + 3 – Y16 (EXT)•
9	B9	230x600	2 – Y16 + 2 – Y16 (EXT)• Y8 @ 125c/c 2 – Y16	2 – Y16 Y8 @ 125c/c 2 – Y16 + 2 – Y16 (EXT)•
10	B10	230x600	2 – Y16 + 3 – Y16 (EXT)• Y8 @ 125c/c 2 – Y16	2 – Y16 Y8 @ 125c/c 2 – Y16 + 3 – Y16 (EXT)•
11	B11	230x600	3 – Y16 + 3 – Y16 (EXT)• Y8 @ 150c/c 3 – Y16	3 – Y16 Y8 @ 150c/c 3 – Y16 + 3 – Y16 (EXT)•
12	B12	230x600	2 – Y20 + 2 – Y20 (EXT) +• 2 – Y16 (EXT)• Y8 @ 150c/c 2 – Y20	2 – Y20 Y8 @ 150c/c 2 – Y20 + 2 – Y20 (EXT) +• 2 – Y16 (EXT)•
13	B13/ CAB2	230x600	4 – Y20 + 2 – Y16• Y8 @ 150c/c 4 – Y20	
14	B14	230x750	3 – Y16 + 3 – Y16 (EXT)• Y8 @ 150c/c 3 – Y16	3 – Y16 Y8 @ 150c/c 3 – Y16 + 3 – Y16 (EXT)•
15	B15	230x750	4 – Y20 Y8 @ 125c/c 4 – Y20 + 4 – Y16•	
16	B16/ CAB3	230x750	4 – Y20 + 4 – Y16• Y8 @ 125c/c 4 – Y20	
17	B17	300x450	3 – Y25 Y10 @ 125c/c 5 – Y25	
15	CB1	230x125	6 – Y12 Y8 @ 150c/c	
16	CAB1	230x450	2 – Y16 Y8 @ 150c/c 2 – Y16	

SECOND FLOOR SLAB DETAILS

THICKNESS :125 (UNLESS NOTED)

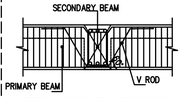
A	Y8 : @ : 150 C/C
B	Y8 : @ : 175 C/C
C	Y8 : @ : 200 C/C
D	Y10 : @ : 150 C/C
E	Y10 : @ : 175 C/C
F	Y10 : @ : 200 C/C

LIVE LOAD SCHEDULE

DESCRIPTION	LIVE LOAD (kN/m²)
SECOND FLOOR	2

TYPICAL BEAM HOOK DETAILS





TYPICAL PRIMARY SECONDARY BEAM JUNCTION DETAIL (N.T.S)

N

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- – 230mm SUNKEN
- – 100mm SUNKEN
- – CONCEALED BEAM
- – LIGHT WEIGHT BRICK WALL
- – TOP REINFORCEMENT
- – BOTTOM REINFORCEMENT

ABBREVIATIONS

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NOTE

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NOTE

*FRONT ELEVATION TO BE DETAIL.

ONLY FOR REVIEW PURPOSE

REF	DESCRIPTION	BY	DATE
REVISIONS			

CLIENT: Morais Architect X.

PROJECT: Morais Eden Apartment.

TITLE: Second Floor Slab, Beam Layout & Details.

DSGN	DRWN	CHKD	APPD	DATE	SHEET	SCALE
JS	SP	SKAK	SKAK	27.06.25	A1	1:100

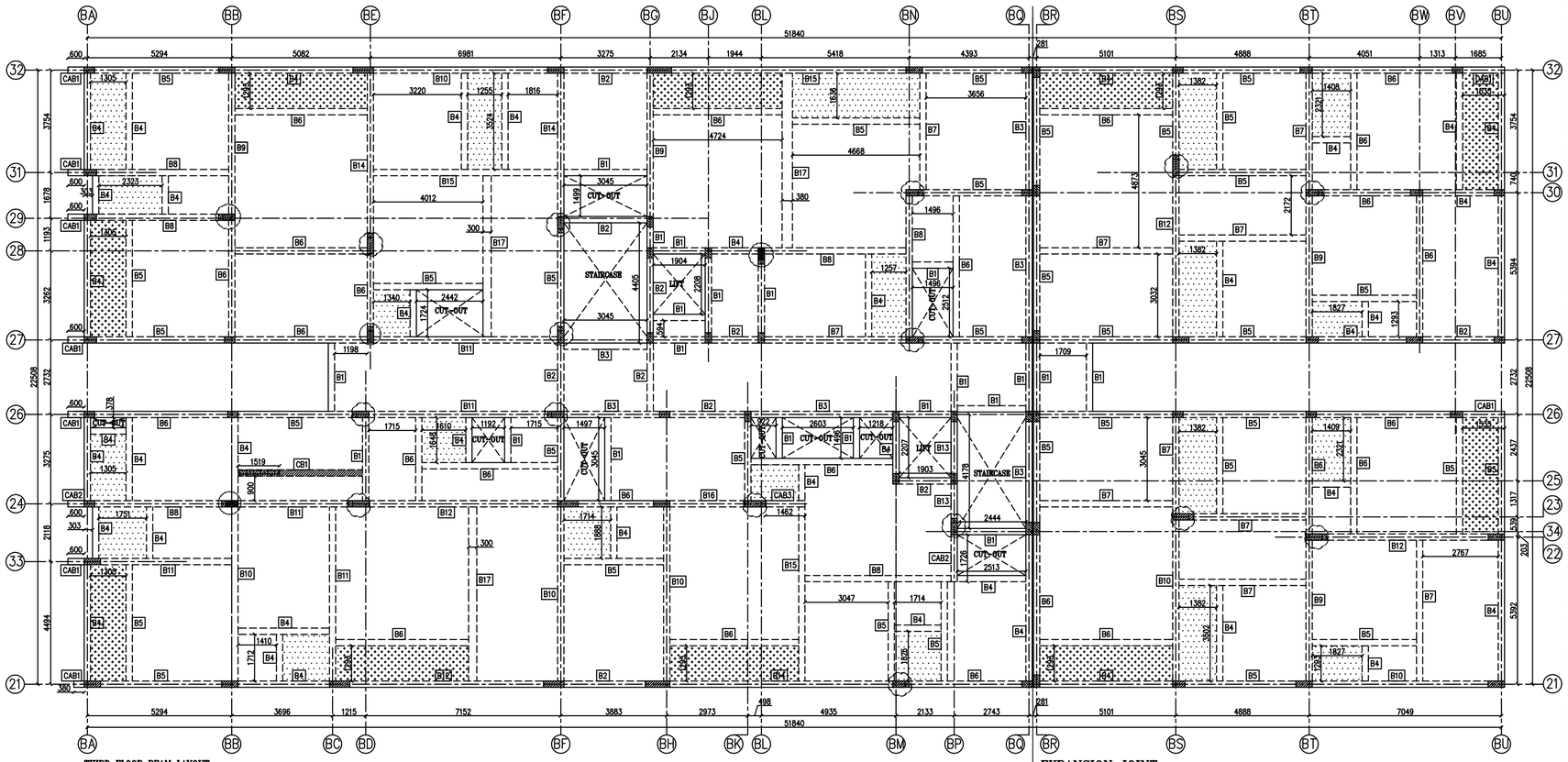
DWG NO: MOS/ERS/GF/BK/100/RO

STRUCTURAL CONSULTANT

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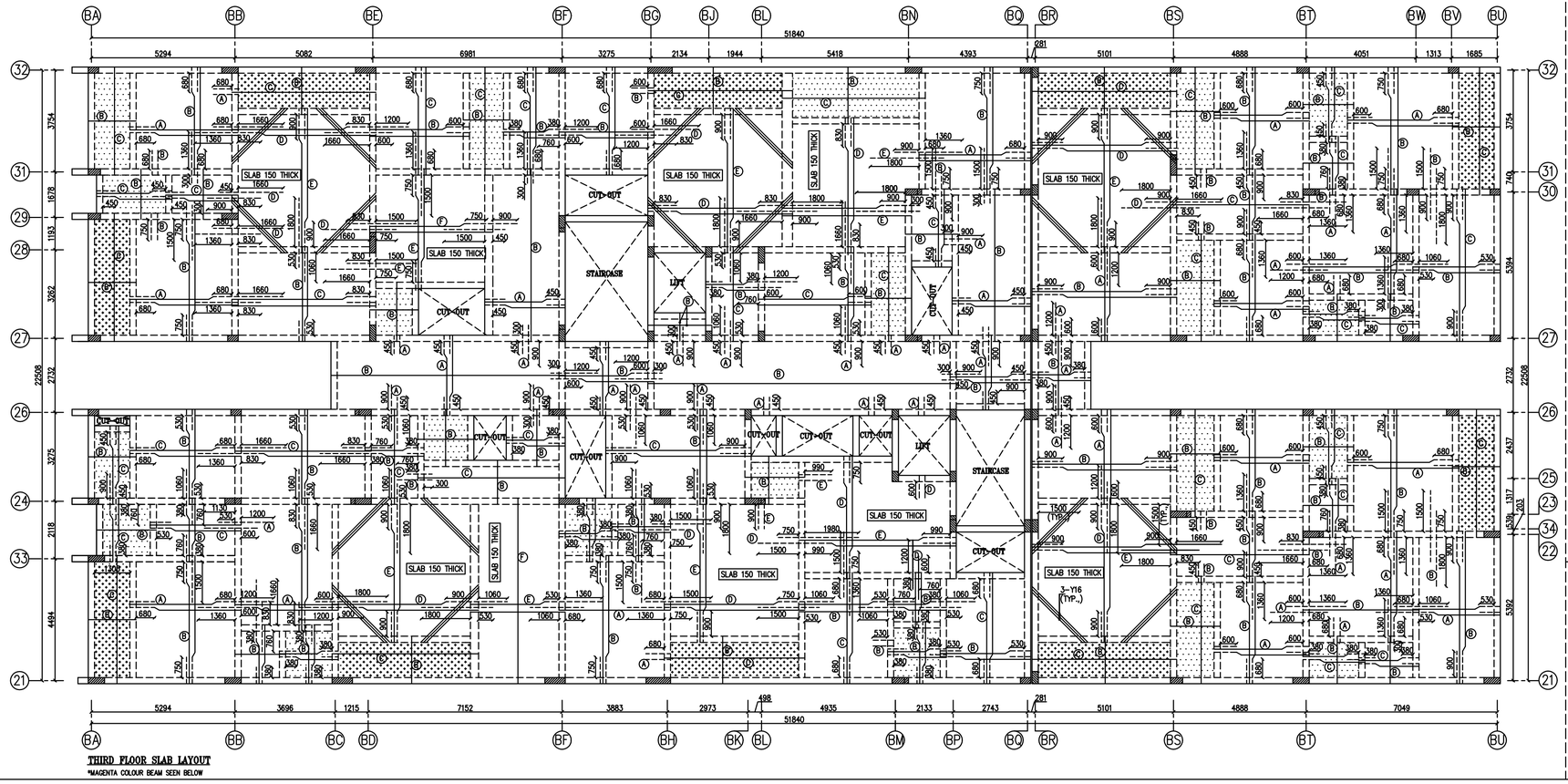
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THIRD FLOOR BEAM LAYOUT

*MAGENTA COLOUR BEAM SEEN BELOW

EXPANSION JOINT



THIRD FLOOR SLAB LAYOUT

*MAGENTA COLOUR BEAM SEEN BELOW

THIRD FLOOR BEAM DETAILS

S No	Beam No	Beam Size	Section @ XX End span	Section @ YY Mid span
1	B1	230x300		3 – Y12 Y8 @ 150c/c 3 – Y12
2	B2	230x380		3 – Y12 Y8 @ 150c/c 3 – Y12
3	B3	230x380	2 – Y12 + 2 – Y16 (EXT)* Y8 @ 150c/c 2 – Y12	2 – Y12 Y8 @ 175c/c 2 – Y12 + 2 – Y16 (EXT)*
4	B4	230x450		2 – Y16 Y8 @ 150c/c 2 – Y16
5	B5	230x450		3 – Y16 Y8 @ 150c/c 3 – Y16
6	B6	230x450	2 – Y16 + 2 – Y16 (EXT)* Y8 @ 125c/c 2 – Y16	2 – Y16 Y8 @ 150c/c 2 – Y16 + 2 – Y16 (EXT)*
7	B7	230x450	2 – Y16 + 3 – Y16 (EXT)* Y8 @ 125c/c 2 – Y16	2 – Y16 Y8 @ 150c/c 2 – Y16 + 3 – Y16 (EXT)*
8	B8	230x450	3 – Y16 + 3 – Y16 (EXT)* Y8 @ 100c/c 3 – Y16	3 – Y16 Y8 @ 100c/c 3 – Y16 + 3 – Y16 (EXT)*
9	B9	230x600	2 – Y16 + 2 – Y16 (EXT)* Y8 @ 125c/c 2 – Y16	2 – Y16 Y8 @ 125c/c 2 – Y16 + 2 – Y16 (EXT)*
10	B10	230x600	2 – Y16 + 3 – Y16 (EXT)* Y8 @ 125c/c 2 – Y16	2 – Y16 Y8 @ 125c/c 2 – Y16 + 3 – Y16 (EXT)*
11	B11	230x600	3 – Y16 + 3 – Y16 (EXT)* Y8 @ 150c/c 3 – Y16	3 – Y16 Y8 @ 150c/c 3 – Y16 + 3 – Y16 (EXT)*
12	B12	230x600	2 – Y20 + 2 – Y20 (EXT) +* 2 – Y16 (EXT)* Y8 @ 150c/c 2 – Y20	2 – Y20 Y8 @ 150c/c 2 – Y20 + 2 – Y20 (EXT) +* 2 – Y16 (EXT)*
13	B13/ CAB2	230x600		4 – Y20 + 2 – Y16* Y8 @ 150c/c 4 – Y20
14	B14	230x750	3 – Y16 + 3 – Y16 (EXT)* Y8 @ 150c/c 3 – Y16	3 – Y16 Y8 @ 150c/c 3 – Y16 + 3 – Y16 (EXT)*
15	B15	230x750		4 – Y20 Y8 @ 125c/c 4 – Y20 + 4 – Y16*
16	B16/ CAB3	230x750		4 – Y20 + 4 – Y16* Y8 @ 125c/c 4 – Y20
17	B17	300x450		3 – Y25 Y10 @ 125c/c 5 – Y25
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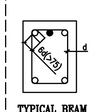
THIRD FLOOR SLAB DETAILS

THICKNESS :125 (UNLESS NOTED)

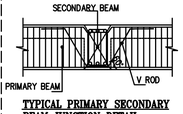
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LIVE LOAD SCHEDULE

DESCRIPTION	LIVE LOAD (kN/m²)
SECOND FLOOR	2



TYPICAL BEAM HOOK DETAILS



TYPICAL PRIMARY SECONDARY BEAM JUNCTION DETAIL (N.T.S)

N

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LEGENDS

- – FULL HEIGHT COLUMN
- – 230mm SUNKEN
- – 100mm SUNKEN
- – CONCEALED BEAM
- – LIGHT WEIGHT BRICK WALL
- – – – – TOP REINFORCEMENT
- ——— BOTTOM REINFORCEMENT

ABBREVIATIONS

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NOTE

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ONLY FOR REVIEW PURPOSE

REF	DESCRIPTION	BY	DATE
	REVISIONS		

CLIENT: Morais Architect X.

PROJECT: Morais Eden Apartment.

TITLE: Third Floor Slab, Beam Layout & Details.

DSGN	DRWN	CHKD	APPD	DATE	SHEET	SCALE
JS	SP	SKAK	SKAK	27.06.26	A1	1:100

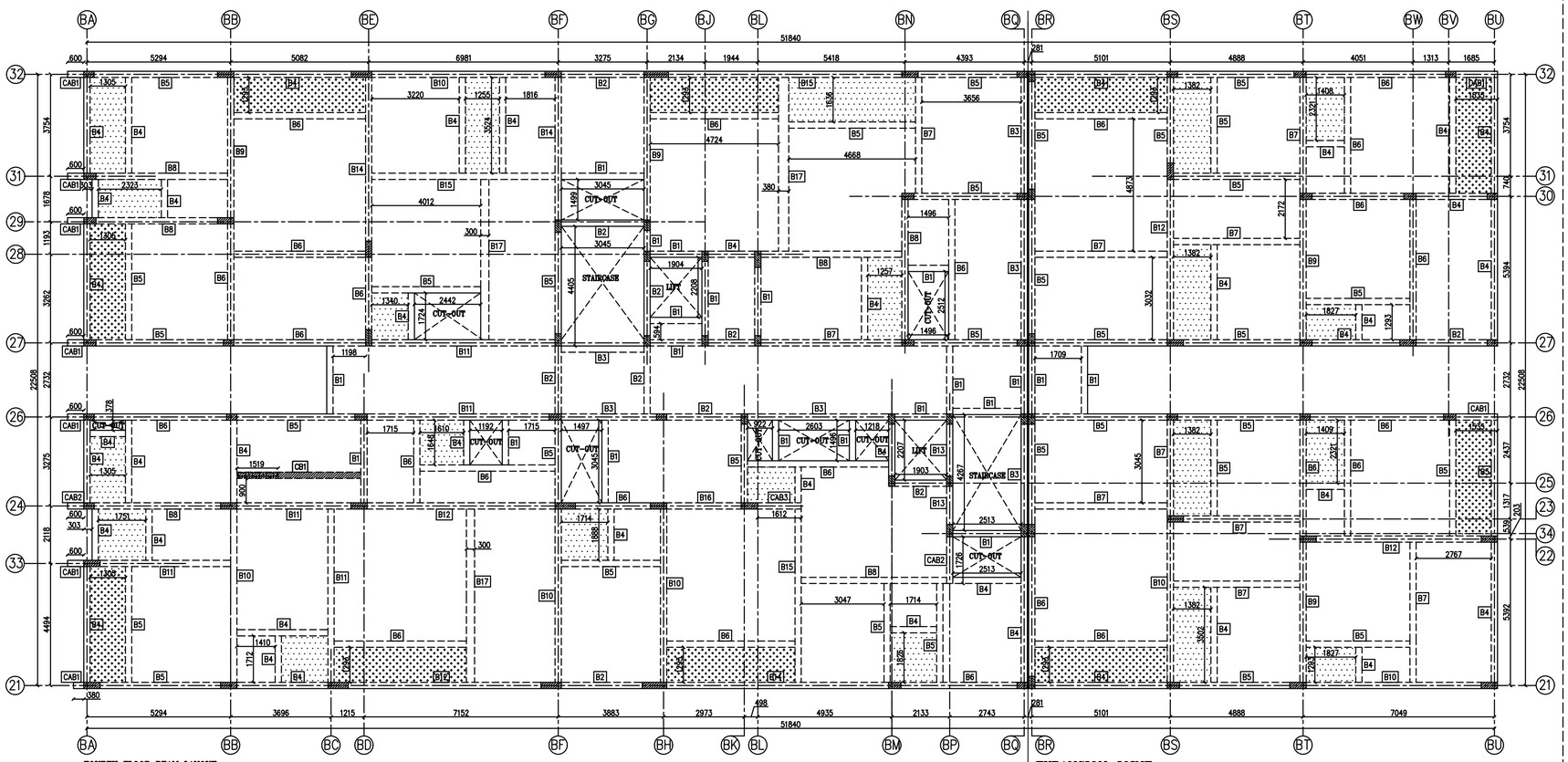
DWG. NO: MOS-EDN-OFL-BFL-THF-BRD

STRUCTURAL CONSULTANT

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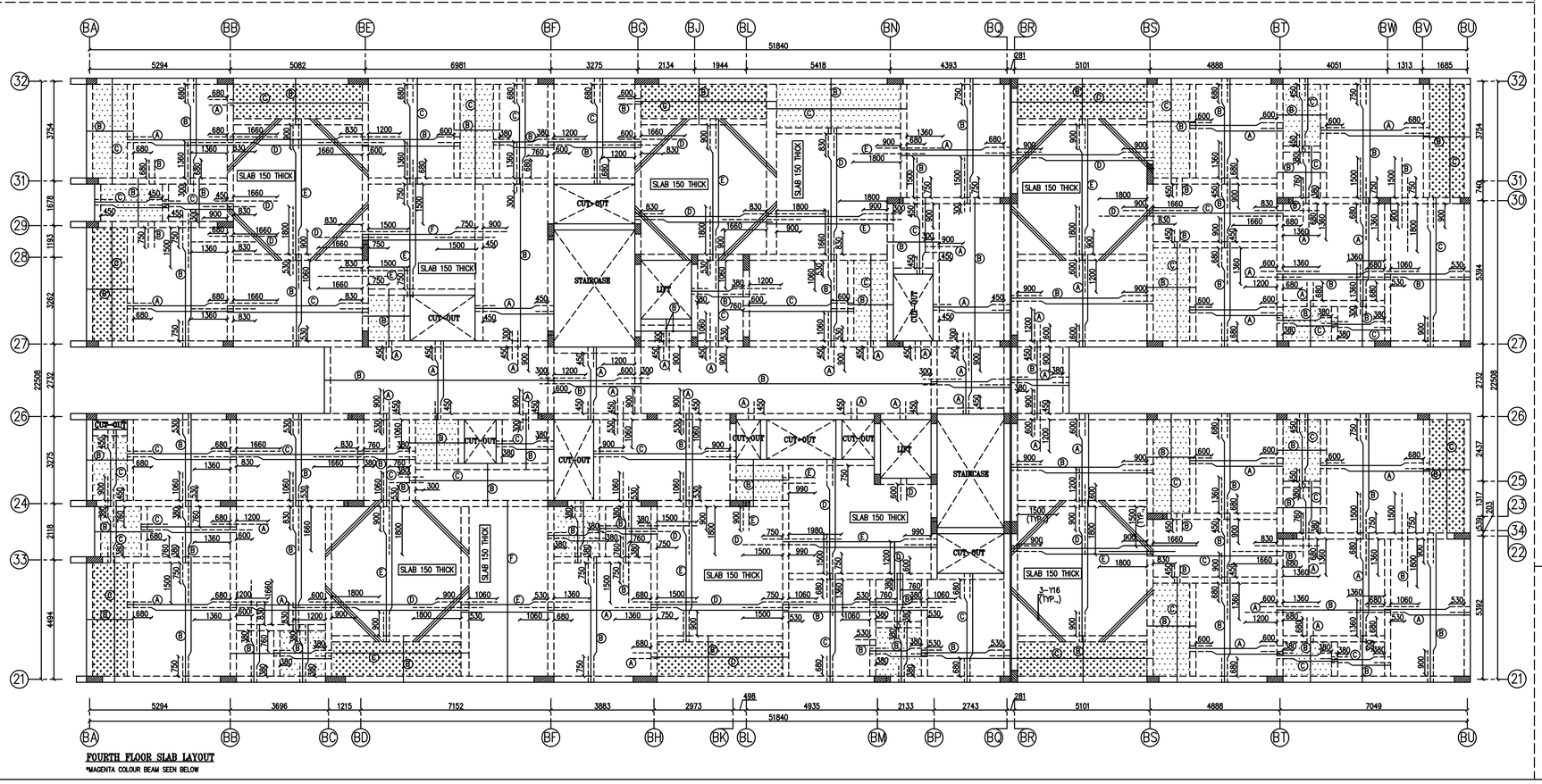
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FOURTH FLOOR BEAM LAYOUT

*MAGENTA COLOUR BEAM SEEN BELOW



FOURTH FLOOR SLAB LAYOUT

*MAGENTA COLOUR BEAM SEEN BELOW

FOURTH FLOOR BEAM DETAILS

S No	Beam No	Beam Size	Section @ XX End span	Section @ YY Mid span
1	B1	230x300		3 – Y12 Y8 @ 150c/c 3 – Y12
2	B2	230x380		3 – Y12 Y8 @ 150c/c 3 – Y12
3	B3	230x380	2 – Y12 + 2 – Y16 (EXT)* Y8 @ 150c/c 2 – Y12	2 – Y12 Y8 @ 175c/c 2 – Y12 + 2 – Y16 (EXT)*
4	B4	230x450		2 – Y16 Y8 @ 150c/c 2 – Y16
5	B5	230x450		3 – Y16 Y8 @ 150c/c 3 – Y16
6	B6	230x450	2 – Y16 + 2 – Y16 (EXT)* Y8 @ 125c/c 2 – Y16	2 – Y16 Y8 @ 150c/c 2 – Y16 + 2 – Y16 (EXT)*
7	B7	230x450	2 – Y16 + 3 – Y16 (EXT)* Y8 @ 125c/c 2 – Y16	2 – Y16 Y8 @ 150c/c 2 – Y16 + 3 – Y16 (EXT)*
8	B8	230x450	3 – Y16 + 3 – Y16 (EXT)* Y8 @ 100c/c 3 – Y16	3 – Y16 Y8 @ 100c/c 3 – Y16 + 3 – Y16 (EXT)*
9	B9	230x600	2 – Y16 + 2 – Y16 (EXT)* Y8 @ 125c/c 2 – Y16	2 – Y16 Y8 @ 125c/c 2 – Y16 + 2 – Y16 (EXT)*
10	B10	230x600	2 – Y16 + 3 – Y16 (EXT)* Y8 @ 125c/c 2 – Y16	2 – Y16 Y8 @ 125c/c 2 – Y16 + 3 – Y16 (EXT)*
11	B11	230x600	3 – Y16 + 3 – Y16 (EXT)* Y8 @ 150c/c 3 – Y16	3 – Y16 Y8 @ 150c/c 3 – Y16 + 3 – Y16 (EXT)*
12	B12	230x600	2 – Y20 + 2 – Y20 (EXT) +* 2 – Y16 (EXT)* Y8 @ 150c/c 2 – Y20	2 – Y20 Y8 @ 150c/c 2 – Y20 + 2 – Y20 (EXT) +* 2 – Y16 (EXT) *
13	B13/ CAB2	230x600		4 – Y20 + 2 – Y16* Y8 @ 150c/c 4 – Y20
14	B14	230x750	3 – Y16 + 3 – Y16 (EXT)* Y8 @ 150c/c 3 – Y16	3 – Y16 Y8 @ 150c/c 3 – Y16 + 3 – Y16 (EXT)*
15	B15	230x750		4 – Y20 Y8 @ 125c/c 4 – Y20 + 4 – Y16 *
16	B16/ CAB3	230x750		4 – Y20 + 4 – Y16* Y8 @ 125c/c 4 – Y20
17	B17	300x450		3 – Y25 Y10 @ 125c/c 5 – Y25
15	CB1	230x125		6 – Y12 Y8 @ 150c/c
16	CAB1	230x450		2 – Y16 Y8 @ 150c/c 2 – Y16

GENERAL NOTES

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4. ALL REINFORCEMENT(Y) SHALL BE H.Y.S.D. BARS OF GRADE Fe 550 CONFORMING TO IS:1786.
5. THE CLEAR COVER FOR REINFORCEMENT SHALL BE 12.5mm FOR SLAB, 25mm FOR BEAM & 40mm COLUMN
6. LAP LENGTH (Ld) SHALL BE 50*D (DIA OF BAR) FOR ALL BARS.
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9. MINIMUM DEPTH OF SUNKEN SHALL BE 230mm.
10. ALL SLABS SHALL BE PROVIDED WITH TOP DISTRIBUTORS OF Y8 @ 200 C/C.
11. SPACER BAR TO BE PROVIDED IN BETWEEN TWO LAYERS OF REINFORCEMENT OF SAME DIA(MIN.,20mm) AT EVERY 1000 C/C.
12. THE SITE IN-CHARGE SHALL CHECK AND VERIFY ALL DIMENSIONS ON SITE BEFORE COMMENCEMENT OF WORKS AND ANY DISCREPANCIES SHALL BE REPORTED TO THE STRUCTURAL ENGINEER BEFORE EXECUTION.

LEGENDS

- FULL HEIGHT COLUMN
- 230mm SUNKEN
- 100mm SUNKEN
- CONCEALED BEAM
- LIGHT WEIGHT BRICK WALL
- TOP REINFORCEMENT
- BOTTOM REINFORCEMENT

ABBREVIATIONS

Ld	– DEVELOPMENT LENGTH
CAB	– CANTILEVER BEAM
N.T.S	– NOT TO SCALE
LVL	– LEVEL
CB	– CONCEALED BEAM

PRE CAMBERS FOR BEAMS

PRE CAMBERS OF 0.4% OF THE SPAN BE PROVIDED FOR ALL HORIZONTAL STRUCTURAL MEMBERS SPAN EXCEEDING 5M (1.5M FOR CANTILEVER).

NOTE

* ALL SUNKEN SLABS SHOULD BE FILLED ONLY WITH LIGHT WEIGHT FILLING MATERIAL (HEMALITE,VERMICULITE) OF UNIT WEIGHT 90 kg/m3 OR 1 kN/m2.

NOTE

*FRONT ELEVATION TO BE DETAIL.

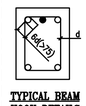
FOURTH FLOOR SLAB DETAILS

THICKNESS :125 (UNLESS NOTED)

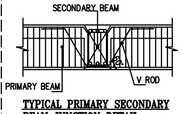
A	Y8 : @ : 150 C/C
B	Y8 : @ : 175 C/C
C	Y8 : @ : 200 C/C
D	Y10 : @ : 150 C/C
E	Y10 : @ : 175 C/C
F	Y10 : @ : 200 C/C

LIVE LOAD SCHEDULE

DESCRIPTION	LIVE LOAD (kN/m²)
SECOND FLOOR	2



TYPICAL BEAM HOOK DETAILS



TYPICAL PRIMARY SECONDARY BEAM JUNCTION DETAIL (N.T.S)

N

ONLY FOR REVIEW PURPOSE

REF	DESCRIPTION	BY	DATE

REVISIONS

CLIENT: Morais Architect X.

PROJECT: Morais Eden Apartment.

TITLE: Fourth Floor Slab, Beam Layout & Details.

DSGN	DRWN	CHKD	APPD	DATE	SHEET	SCALE
JS	SP	SKAK	SKAK	27.06.26	A1	1:100

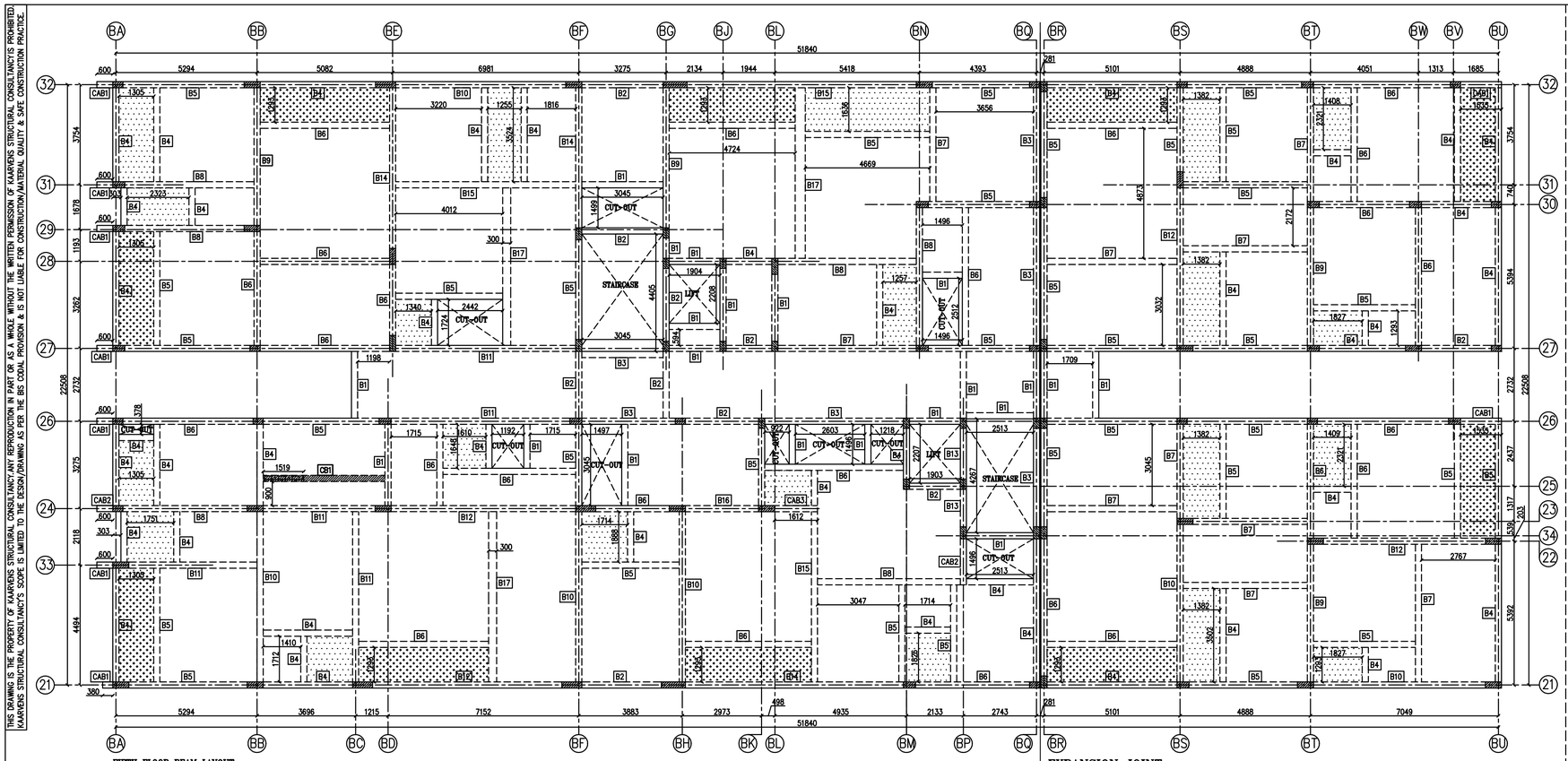
DWG. NO: MOS-RFS-04-BR-BR

STRUCTURAL CONSULTANT

KAARVENS

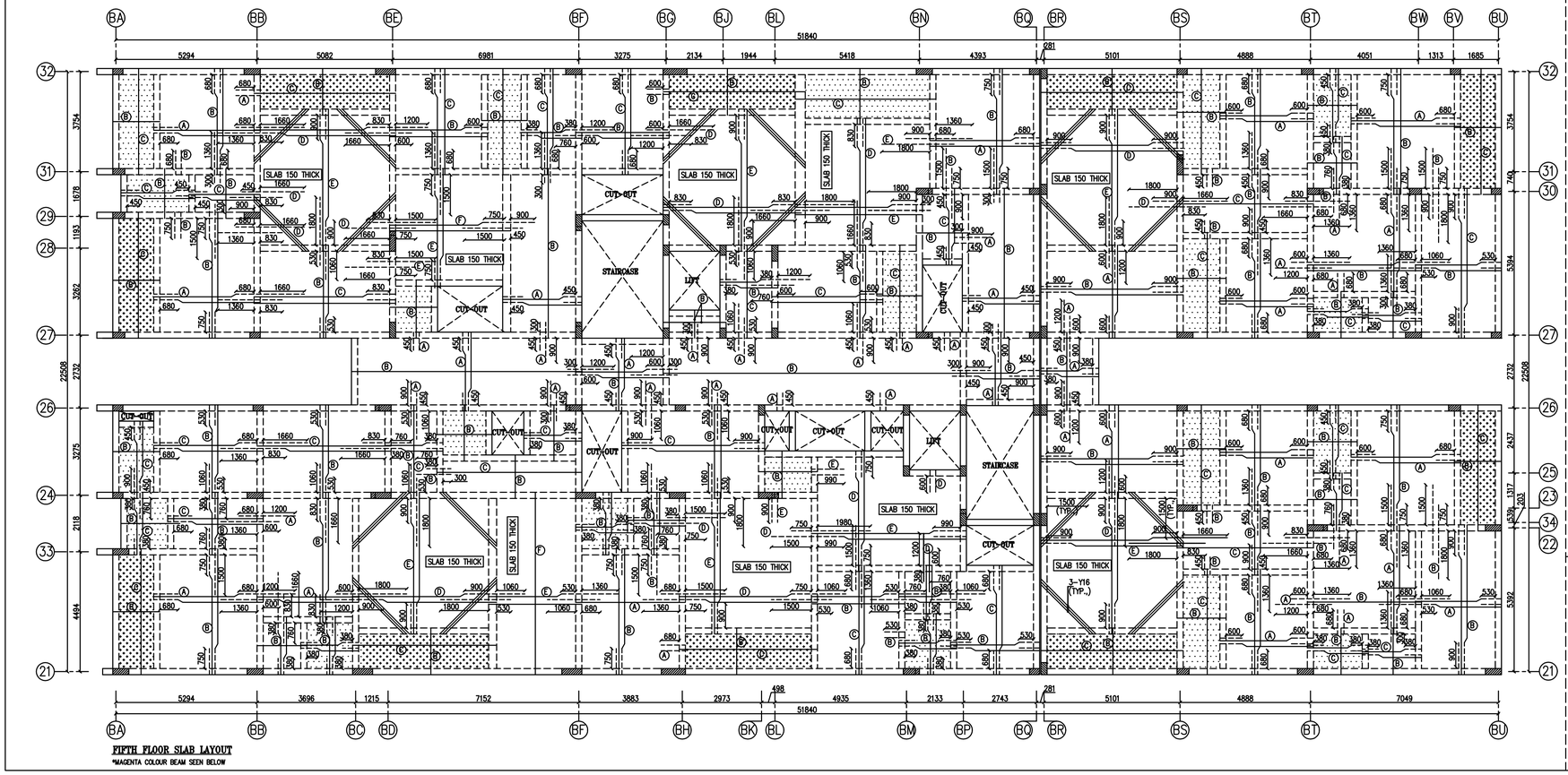
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FIFTH FLOOR BEAM LAYOUT

*MAGENTA COLOUR BEAM SEEN BELOW



FIFTH FLOOR SLAB LAYOUT

*MAGENTA COLOUR BEAM SEEN BELOW

FIFTH FLOOR BEAM DETAILS

S No	Beam No	Beam Size	Section @ XX End span	Section @ YY Mid span
1	B1	230x300		3 – Y12 Y8 @ 150c/c 3 – Y12
2	B2	230x380		3 – Y12 Y8 @ 150c/c 3 – Y12
3	B3	230x380	2 – Y12 + 2 – Y16 (EXT)• Y8 @ 150c/c 2 – Y12	2 – Y12 Y8 @ 175c/c 2 – Y12 + 2 – Y16 (EXT)•
4	B4	230x450		2 – Y16 Y8 @ 150c/c 2 – Y16
5	B5	230x450		3 – Y16 Y8 @ 150c/c 3 – Y16
6	B6	230x450	2 – Y16 + 2 – Y16 (EXT)• Y8 @ 125c/c 2 – Y16	2 – Y16 Y8 @ 150c/c 2 – Y16 + 2 – Y16 (EXT)•
7	B7	230x450	2 – Y16 + 3 – Y16 (EXT)• Y8 @ 125c/c 2 – Y16	2 – Y16 Y8 @ 150c/c 2 – Y16 + 3 – Y16 (EXT)•
8	B8	230x450	3 – Y16 + 3 – Y16 (EXT)• Y8 @ 100c/c 3 – Y16	3 – Y16 Y8 @ 100c/c 3 – Y16 + 3 – Y16 (EXT)•
9	B9	230x600	2 – Y16 + 2 – Y16 (EXT)• Y8 @ 125c/c 2 – Y16	2 – Y16 Y8 @ 125c/c 2 – Y16 + 2 – Y16 (EXT)•
10	B10	230x600	2 – Y16 + 3 – Y16 (EXT)• Y8 @ 125c/c 2 – Y16	2 – Y16 Y8 @ 125c/c 2 – Y16 + 3 – Y16 (EXT)•
11	B11	230x600	3 – Y16 + 3 – Y16 (EXT)• Y8 @ 150c/c 3 – Y16	3 – Y16 Y8 @ 150c/c 3 – Y16 + 3 – Y16 (EXT)•
12	B12	230x600	2 – Y20 + 2 – Y20 (EXT) +• 2 – Y16 (EXT)• Y8 @ 150c/c 2 – Y20	2 – Y20 Y8 @ 150c/c 2 – Y20 + 2 – Y20 (EXT) +• 2 – Y16 (EXT)•
13	B13/ CAB2	230x600		4 – Y20 + 2 – Y16• Y8 @ 150c/c 4 – Y20
14	B14	230x750	3 – Y16 + 3 – Y16 (EXT)• Y8 @ 150c/c 3 – Y16	3 – Y16 Y8 @ 150c/c 3 – Y16 + 3 – Y16 (EXT)•
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15	CB1	230x125		6 – Y12 Y8 @ 150c/c
16	CAB1	230x450		2 – Y16 Y8 @ 150c/c 2 – Y16

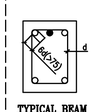
FIFTH FLOOR SLAB DETAILS

THICKNESS :125 (UNLESS NOTED)

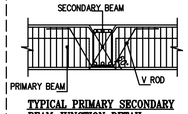
A	Y8 : @ : 150 C/C
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LIVE LOAD SCHEDULE

DESCRIPTION	LIVE LOAD (kN/m²)
SECOND FLOOR	2



TYPICAL BEAM HOOK DETAILS



TYPICAL PRIMARY SECONDARY BEAM JUNCTION DETAIL (N.T.S)

N

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- FULL HEIGHT COLUMN
- 230mm SUNKEN
- 100mm SUNKEN
- CONCEALED BEAM
- LIGHT WEIGHT BRICK WALL
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ABBREVIATIONS

Ld	– DEVELOPMENT LENGTH
CAB	– CANTILEVER BEAM
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NOTE

*FRONT ELEVATION TO BE DETAIL.

ONLY FOR REVIEW PURPOSE

REF	DESCRIPTION	BY	DATE
REVISIONS			

CLIENT:
Morais Architect X.

PROJECT:
Morais Eden Apartment.

TITLE:
Fifth Floor Slab, Beam Layout & Details.

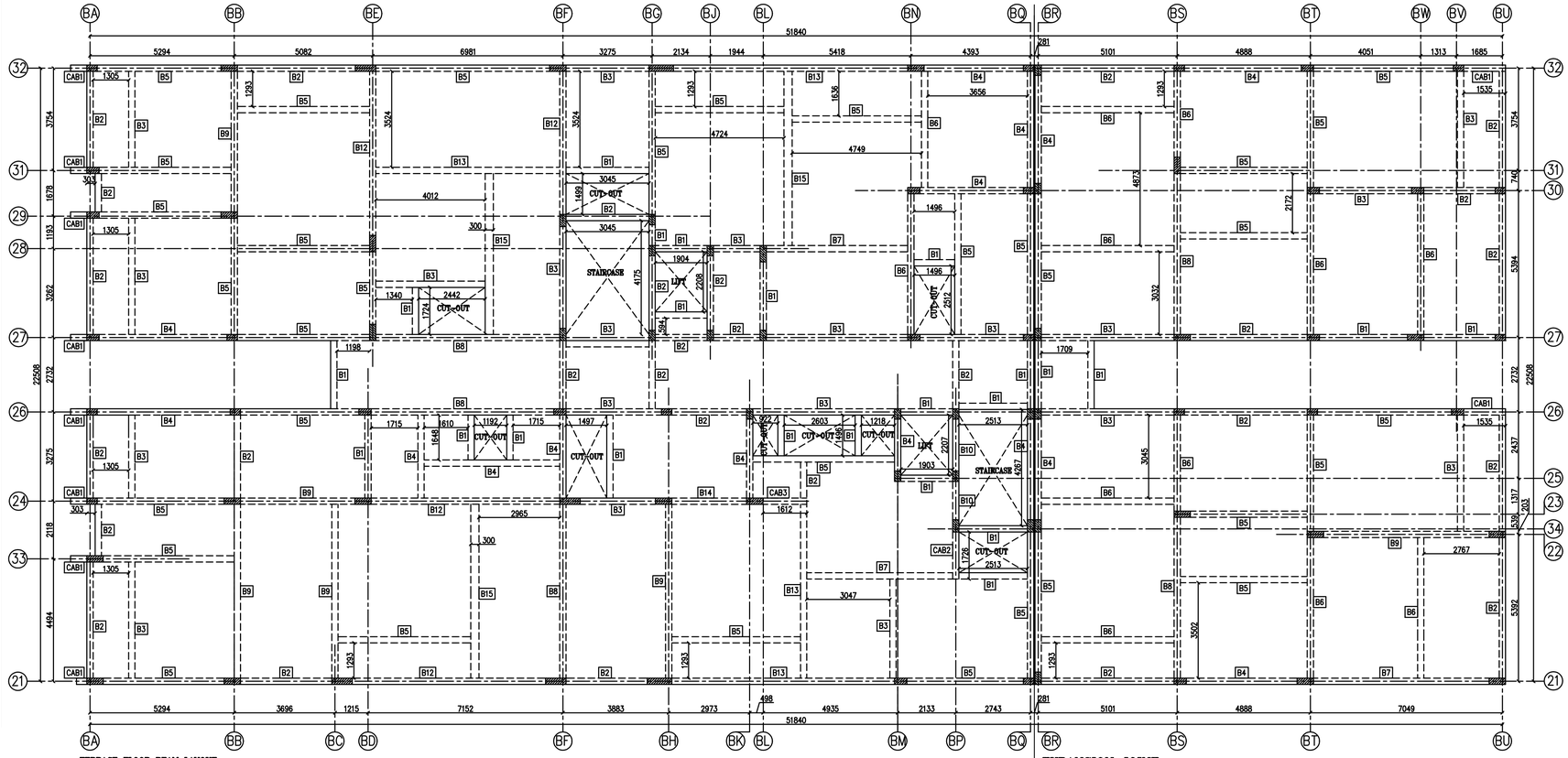
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JS	SP	SKAK	SKAK	27.06.26	A1	1:100

DWG. NO: MOS-RFS-GFH-BFL-BRD

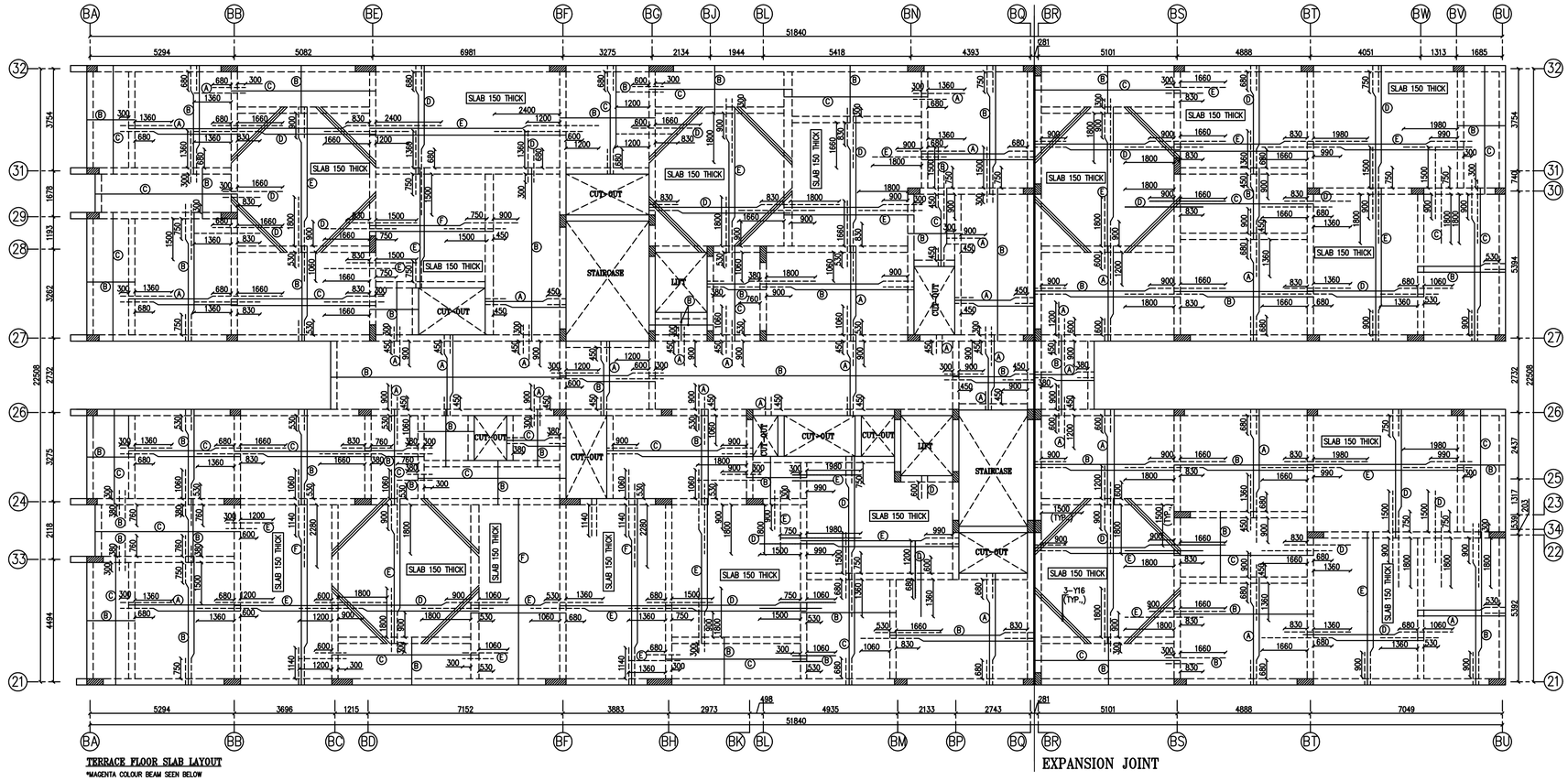
STRUCTURAL CONSULTANT

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TERRACE FLOOR BEAM LAYOUT
*MAGENTA COLOUR BEAM SEEN BELOW



TERRACE FLOOR SLAB LAYOUT
*MAGENTA COLOUR BEAM SEEN BELOW

TERRACE FLOOR BEAM DETAILS

S No	Beam No	Beam Size	Section @ XX End span	Section @ YY Mid span
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3	B3	230x380	3 – Y16 Y8 @ 150c/c 3 – Y16	
4	B4/ CAB1	230x450	2 – Y16 Y8 @ 150c/c 2 – Y16	
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12	B12	230x750	4 – Y16 + 2 – Y16 (EXT)• Y8 @ 150c/c 4 – Y16	4 – Y16 Y8 @ 150c/c 4 – Y16 + 2 – Y16 (EXT)•
13	B13	230x750	4 – Y20 + 2 – Y16 (EXT)• Y8 @ 150c/c 4 – Y20	4 – Y20 Y8 @ 150c/c 4 – Y20 + 2 – Y16 (EXT)•
14	B14/ CAB3	230x750	4 – Y20 + 2 – Y16• Y8 @ 125c/c 4 – Y16	
15	B15	300x450	3 – Y20 + 3 – Y20 (EXT)• Y8 @ 150c/c 3 – Y20	3 – Y20 Y8 @ 150c/c 3 – Y20 + 3 – Y20 (EXT)•

TERRACE FLOOR SLAB DETAILS

THICKNESS :125 (UNLESS NOTED)

A	Y8	@ : 150 C/C
B	Y8	@ : 175 C/C
C	Y8	@ : 200 C/C
D	Y10	@ : 150 C/C
E	Y10	@ : 175 C/C
F	Y10	@ : 200 C/C

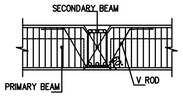
LIVE LOAD SCHEDULE

DESCRIPTION	LIVE LOAD (kN/m²)
TERRACE FLOOR	1.5

TYPICAL BEAM HOOK DETAILS



TYPICAL PRIMARY SECONDARY BEAM JUNCTION DETAIL
(N.T.S)



NOTE
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N

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LEGENDS

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- ——— – BOTTOM REINFORCEMENT

ABBREVIATIONS

Ld	– DEVELOPMENT LENGTH
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PRE CAMBERS OF 0.4% OF THE SPAN BE PROVIDED FOR ALL HORIZONTAL STRUCTURAL MEMBERS SPAN EXCEEDING 5M (1.5M FOR CANTILEVER).

ONLY FOR REVIEW PURPOSE

REF	DESCRIPTION	BY	DATE
REVISIONS			

CLIENT:
Morais Architect X.

PROJECT:
Morais Eden Apartment.

TITLE:
Terrace Floor Slab, Beam Layout & Details.

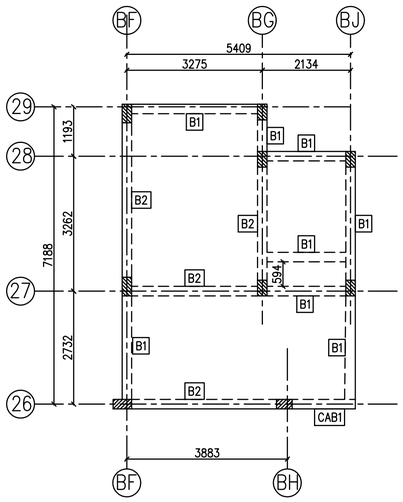
DSGN	DRWN	CHKD	APPD	DATE	SHEET	SCALE
JS	SP	SKAK	SKAK	27.06.26	A1	1:100

DWG. NO: MOS/ES/01/BT/TFS/BD

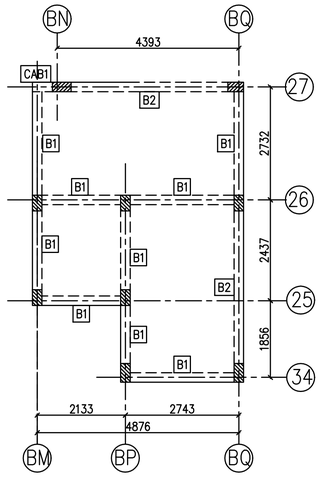
STRUCTURAL CONSULTANT

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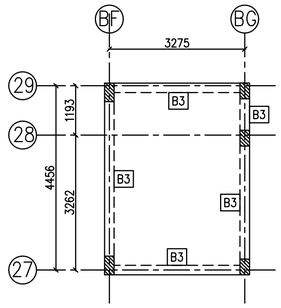
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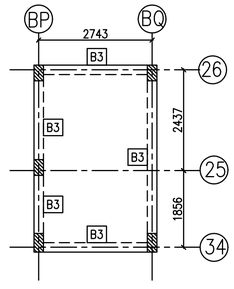
STAIRCASE & LIFT HEAD ROOM BEAM LAYOUT



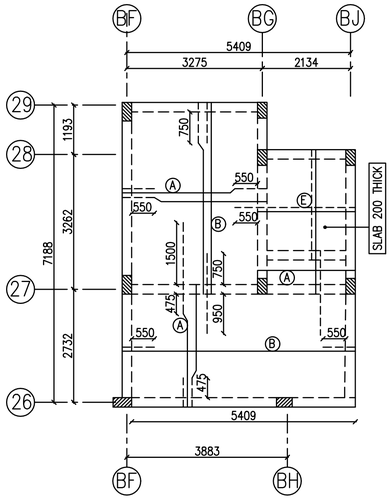
STAIRCASE & LIFT HEAD ROOM BEAM LAYOUT



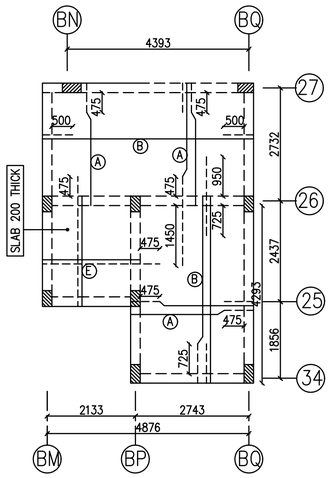
WATER TANK BASE BEAM LAYOUT



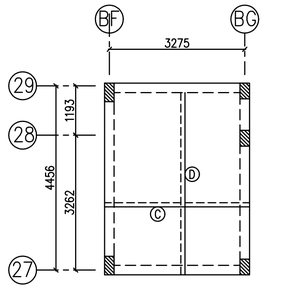
WATER TANK BASE BEAM LAYOUT



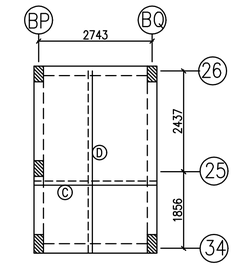
STAIRCASE & LIFT HEAD ROOM SLAB LAYOUT



STAIRCASE & LIFT HEAD ROOM SLAB LAYOUT



WATER TANK BASE SLAB LAYOUT



WATER TANK BASE SLAB LAYOUT

BEAM DETAILS

S No	Beam No	Beam Size	BEAM REINFORCEMENT DETAILS
1	B1	230x300	3 – Y12 Y8 @ 150c/c 3 – Y12
2	B2	230x380	3 – Y12 Y8 @ 150c/c 3 – Y12
3	B3	230x450	3 – Y16 Y8 @ 150c/c 3 – Y16

SLAB DETAILS

THICKNESS :125 (UNLESS NOTED)	
A	Y8 : @ : 150 C/C
B	Y8 : @ : 175 C/C
C	Y10 : @ : 125 C/C
D	Y10 : @ : 150 C/C
E	Y12 : @ : 100 C/C

LIVE LOAD SCHEDULE

DESCRIPTION	LIVE LOAD (kN/m²)
STAIRCASE HEAD ROOM	0.75
LIFT HEAD ROOM	5

GENERAL NOTES

1. THIS DRAWING SHOULD BE READ ALONG WITH ARCHITECTURAL DRAWINGS.
2. ALL DIMENSIONS ARE IN MILLIMETERS.
3. ALL STRUCTURAL CONCRETE SHALL BE OF M25(1:1:2) GRADE CONFORMING TO IS:456.
4. ALL REINFORCEMENT(Y) SHALL BE H.Y.S.D. BARS OF GRADE Fe 550 CONFORMING TO IS:1786.
5. THE CLEAR COVER FOR REINFORCEMENT SHALL BE 12.5mm FOR SLAB, 25mm FOR BEAM & 40mm COLUMN
6. LAP LENGTH (Ld) SHALL BE 50*D (DIA OF BAR) FOR ALL BARS.
7. NOT MORE THAN 50% OF REINFORCEMENT SHALL BE LAPPED AT ANY PARTICULAR JUNCTION.
8. THIS DRAWING IS NOT TO BE SCALED ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
9. ALL SLABS SHALL BE PROVIDED WITH TOP DISTRIBUTORS OF Y8 @ 200 C/C.
10. SPACER BAR TO BE PROVIDED IN BETWEEN TWO LAYERS OF REINFORCEMENT OF SAME DIA(MIN.,20mm) AT EVERY 1000 C/C.
11. THE SITE IN-CHARGE SHALL CHECK AND VERIFY ALL DIMENSIONS ON SITE BEFORE COMMENCEMENT OF WORKS AND ANY DISCREPANCIES SHALL BE REPORTED TO THE STRUCTURAL ENGINEER BEFORE EXECUTION.

LEGENDS

- FULL HEIGHT COLUMN
- – – – – TOP REINFORCEMENT
- ——— BOTTOM REINFORCEMENT

ABBREVIATIONS

Ld	– DEVELOPMENT LENGTH
CAB	– CANTILEVER BEAM
N.T.S	– NOT TO SCALE
LVL	– LEVEL

PRE CAMBERS FOR BEAMS

PRE CAMBERS OF 0.4% OF THE SPAN BE PROVIDED FOR ALL HORIZONTAL STRUCTURAL MEMBERS SPAN EXCEEDING 5M (1.5M FOR CANTILEVER).

ONLY FOR REVIEW PURPOSE

REF	DESCRIPTION	BY	DATE

REVISIONS

CLIENT: Morais Architect X.

PROJECT: Morais Eden Apartment.

TITLE: Part Terrace Floor Slab, Beam Layout & Details.

DSGN	DRWN	CHKD	APPD	DATE	SHEET	SCALE
JS	SP	SKAK	SKAK	27.06.26	A2	1:100

DWG. NO: MOS-25-04-RC-115-R0

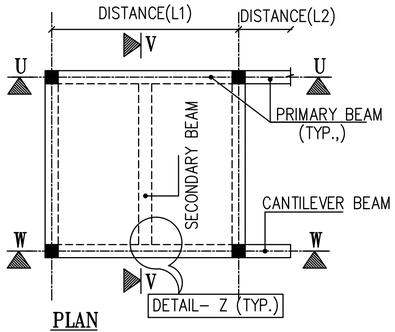
STRUCTURAL CONSULTANT

KAARVENS

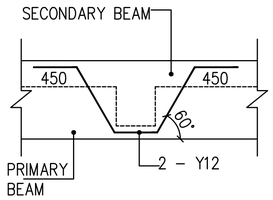
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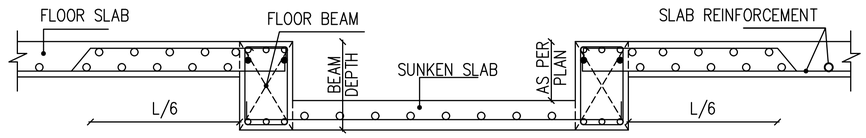
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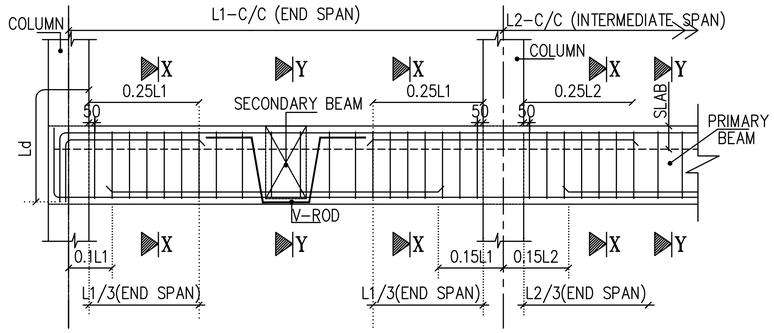
PLAN
(N.T.S)



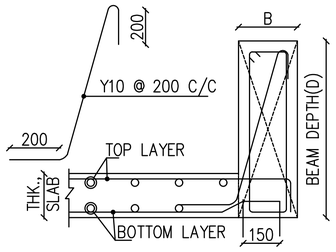
DETAIL – Z
(V-ROD DETAILS)
(N.T.S)



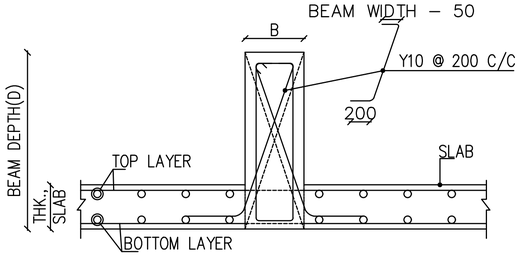
TYPICAL SUNKEN SLAB SECTION
(N.T.S)



SECTION U–U
TYPICAL BEAM SECTION
(N.T.S)

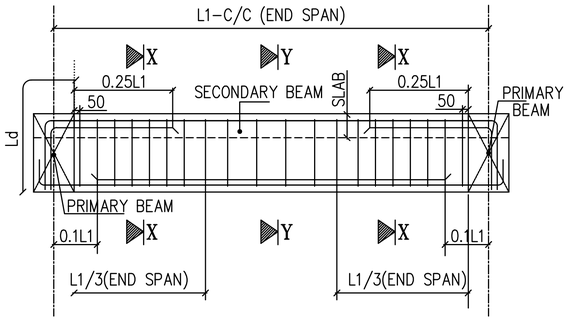


INVERTED BEAM/SUNKEN SLAB WITH
CUT OFF REINFORCEMENT



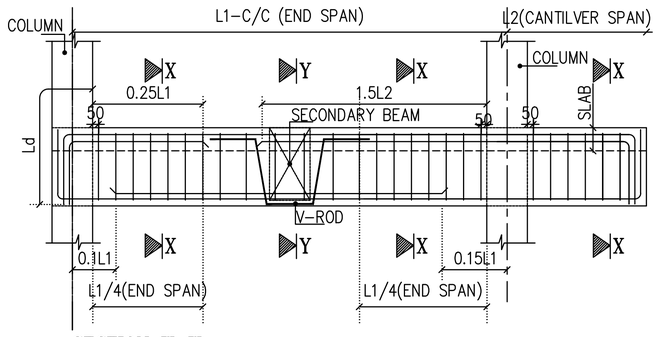
INVERTED BEAM/SUNKEN SLAB WITH
CONTINUOUS SLAB REINFORCEMENT

ABBREVIATIONS	
Ld	– DEVELOPMENT LENGTH
N.T.S	– NOT TO SCALE



SECTION V–V
TYPICAL BEAM SECTION
(N.T.S)

NOTE
*FOR SECTIONS XX & YY REFER BEAM DETAILS.



SECTION W–W
TYPICAL CANTILEVER BEAM SECTION
(N.T.S)

ONLY FOR REVIEW PURPOSE

REF.	DESCRIPTION	BY	DATE
REVISIONS			

CLIENT:
Morais Architect X.

PROJECT:
Morais Eden Apartment.

TITLE:
Typical Roof Beam Sections & Layout.

DSGN	DRWN	CHKD	APPD	DATE	SHEET	SCALE
JS	SP	SKAK	SKAK	27.06.26	A2	1:100

DWG. NO: MOS-25-04-RC-16-R0

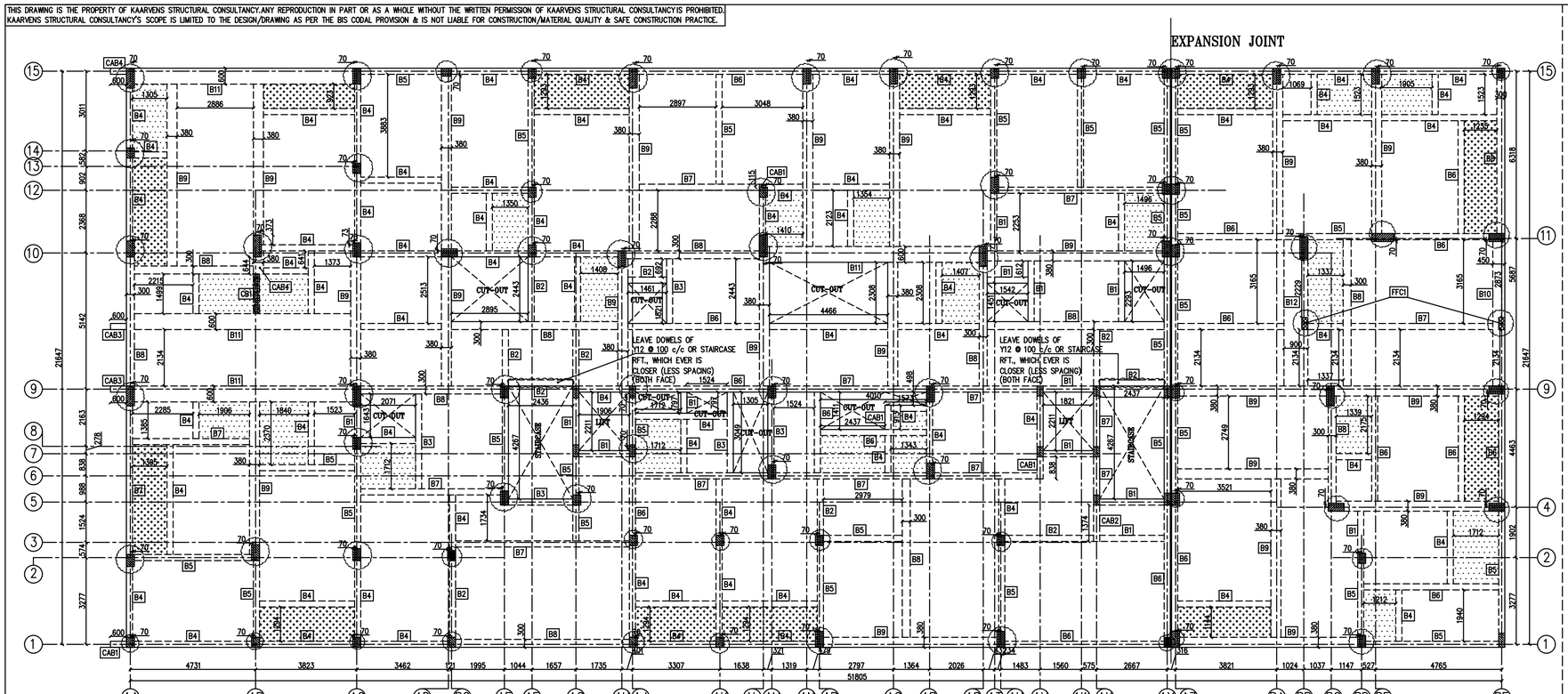
STRUCTURAL CONSULTANT

KAARVENS

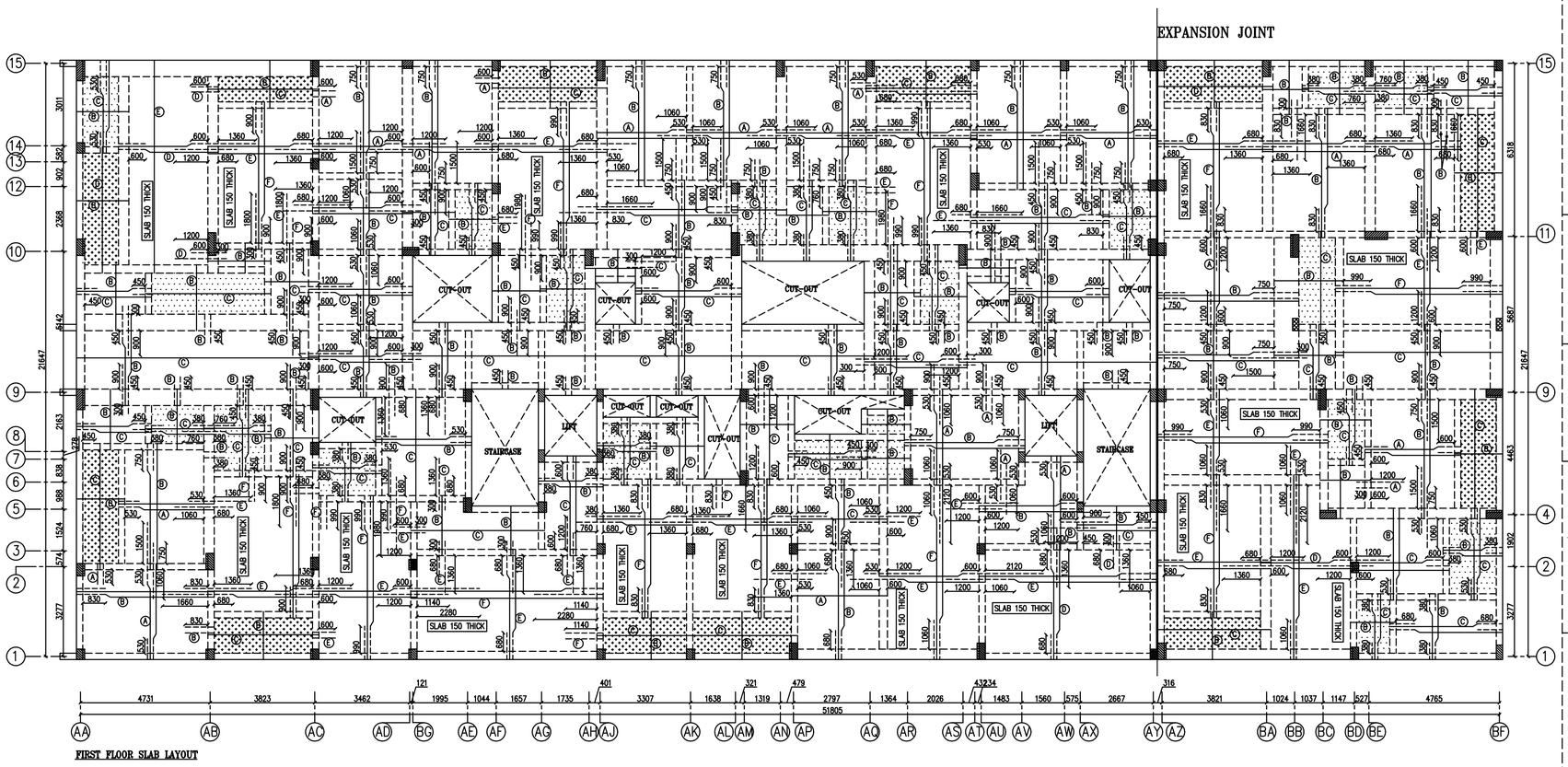
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FIRST FLOOR BEAM LAYOUT



FIRST FLOOR SLAB LAYOUT

BEAM DETAILS

S No	Beam No	Beam Size	Section @ XX End span	Section @ YY Mid span
1	B1	230x300		3 – Y12 Y8 @ 150c/c 3 – Y12
2	B2	230x380		3 – Y12 Y8 @ 150c/c 3 – Y12
3	B3	230x380	2 – Y12 + 2 – Y12 (EXT)• Y8 @ 150c/c 2 – Y12	2 – Y12 Y8 @ 175c/c 2 – Y12 + 2 – Y12 (EXT)•
4	B4/ CAB1	230x450		2 – Y16 Y8 @ 150c/c 2 – Y16
5	B5	230x450		3 – Y16 Y8 @ 150c/c 3 – Y16
6	B6	230x450	2 – Y16 + 2 – Y16 (EXT)• Y8 @ 125c/c 2 – Y16	2 – Y16 Y8 @ 125c/c 2 – Y16 + 2 – Y16 (EXT)•
7	B7	230x450	4 – Y16 + 2 – Y16 (EXT)• Y8 @ 125c/c 4 – Y16	4 – Y16 Y8 @ 125c/c 4 – Y16 + 2 – Y16 (EXT)•
8	B8	300x450	2 – Y25 + 2 – Y20 (EXT)• Y10 @ 125c/c 2 – Y25	2 – Y25 Y10 @ 125c/c 2 – Y25 + 2 – Y20 (EXT)•
9	B9	380x450	3 – Y25 + 3 – Y25 (EXT)• Y10 @ 150c/c 3 – Y25	3 – Y25 Y10 @ 150c/c 3 – Y25 + 3 – Y25 (EXT)•
10	B10	450x450		8 – Y25 Y10 @ 150c/c (4 LEGGED) 8 – Y25
11	B11	600x450		10 – Y25 Y10 @ 150c/c (4 LEGGED) 10 – Y25
12	B12	900x450		14 – Y25 Y10 @ 150c/c (6 LEGGED) 14 – Y25
13	CAB2	230x450		4 – Y16 Y8 @ 150c/c 4 – Y16
14	CAB3	230x450		2 – Y25 Y10 @ 125c/c 2 – Y25
15	CAB4	380x450		3 – Y25 Y10 @ 125c/c 3 – Y25
16	CB1	230x125		6 – Y12 Y8 @ 150c/c

FLOATING COLUMN DETAILS

S No	Column No	Column Size	Column Reinforcement Detail	Rings Detail (R–Ring)	Hooks Detail (H–Hook)	V–Rod
1	FFC1	230 x 450	10 – Y16 Y8 @ 150c/c	R=1	H	2 – Y16

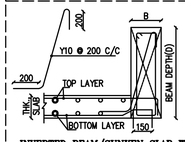
SLAB DETAILS

THICKNESS :125 (UNLESS NOTED)

A	Y8 : @ : 150 C/C
B	Y8 : @ : 175 C/C
C	Y8 : @ : 200 C/C
D	Y10 : @ : 150 C/C
E	Y10 : @ : 175 C/C
F	Y10 : @ : 200 C/C

LIVE LOAD SCHEDULE

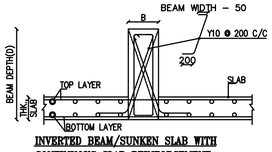
DESCRIPTION	LIVE LOAD (kN/m²)
FIRST FLOOR	2



INVERTED BEAM/SUNKEN SLAB WITH CUT OFF REINFORCEMENT

NOTE

* ALL SUNKEN SLABS SHOULD BE FILLED ONLY WITH LIGHT WEIGHT FILLING MATERIAL (HEMALITE,VERMICULITE) OF UNIT WEIGHT 90 kg/m3 OR 1 kN/m2.



INVERTED BEAM/SUNKEN SLAB WITH CONTINUOUS SLAB REINFORCEMENT

N

GENERAL NOTES

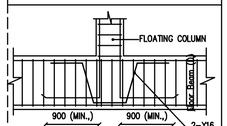
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2. ALL DIMENSIONS ARE IN MILLIMETERS.
3. ALL STRUCTURAL CONCRETE SHALL BE OF M25(1:1:2) GRADE CONFORMING TO IS:456.
4. ALL REINFORCEMENT(Y) SHALL BE H.Y.S.D. BARS OF GRADE Fe 550 CONFORMING TO IS:1786.
5. THE CLEAR COVER FOR REINFORCEMENT SHALL BE 12.5mm FOR SLAB, 25mm FOR BEAM & 40mm COLUMN
6. LAP LENGTH (Ld) SHALL BE 50*D (DIA OF BAR) FOR ALL BARS.
7. NOT MORE THAN 50% OF REINFORCEMENT SHALL BE LAPPED AT ANY PARTICULAR JUNCTION.
8. THIS DRAWING IS NOT TO BE SCALED ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
9. MINIMUM DEPTH OF SUNKEN SHALL BE 230mm.
10. ALL SLABS SHALL BE PROVIDED WITH TOP DISTRIBUTORS OF Y8 @ 200 C/C.
11. SPACER BAR TO BE PROVIDED IN BETWEEN TWO LAYERS OF REINFORCEMENT OF SAME DIA(MIN.,20mm) AT EVERY 1000 C/C.
12. THE SITE IN-CHARGE SHALL CHECK AND VERIFY ALL DIMENSIONS ON SITE BEFORE COMMENCEMENT OF WORKS AND ANY DISCREPANCIES SHALL BE REPORTED TO THE STRUCTURAL ENGINEER BEFORE EXECUTION.

LEGENDS

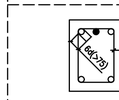
- FULL HEIGHT COLUMN
- FLOATING COLUMN FROM FIRST FLOOR
- 230mm SUNKEN
- 100mm SUNKEN
- CONCEALED BEAM
- LIGHT WEIGHT BRICK WALL
- TOP REINFORCEMENT
- BOTTOM REINFORCEMENT

ABBREVIATIONS

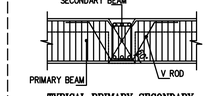
Ld	– DEVELOPMENT LENGTH
CAB	– CANTILEVER BEAM
N.T.S	– NOT TO SCALE
FFC	– FIRST FLOOR FLOATING COLUMN
LVL	– LEVEL
CB	– CONCEALED BEAM



TYPICAL FLOATING COLUMN SECTION @ CENTER (N.T.S)



TYPICAL BEAM HOOK DETAILS



TYPICAL PRIMARY SECONDARY BEAM JUNCTION DETAIL (N.T.S)

PRE CAMBERS FOR BEAMS

PRE CAMBERS OF 0.4% OF THE SPAN BE PROVIDED FOR ALL HORIZONTAL STRUCTURAL MEMBERS SPAN EXCEEDING 5M (1.5M FOR CANTILEVER).

COLUMN TERMINATION DETAILS

S No	Grid No	Termination Level
1	AY–1	First Floor (Stilt Floor Roof)

NOTE

*FRONT ELEVATION TO BE DETAIL.

ONLY FOR REVIEW PURPOSE

REF	DESCRIPTION	BY	DATE
	REVISIONS		

CLIENT: Morais Architect X.

PROJECT: Morais Opal Apartment.

TITLE: First Floor Slab, Beam Layout & Details.

DSGN	DRWN	CHKD	APPD	DATE	SHEET	SCALE
JS	SP	SKAK	SKAK	27.06.26	A1	1:100

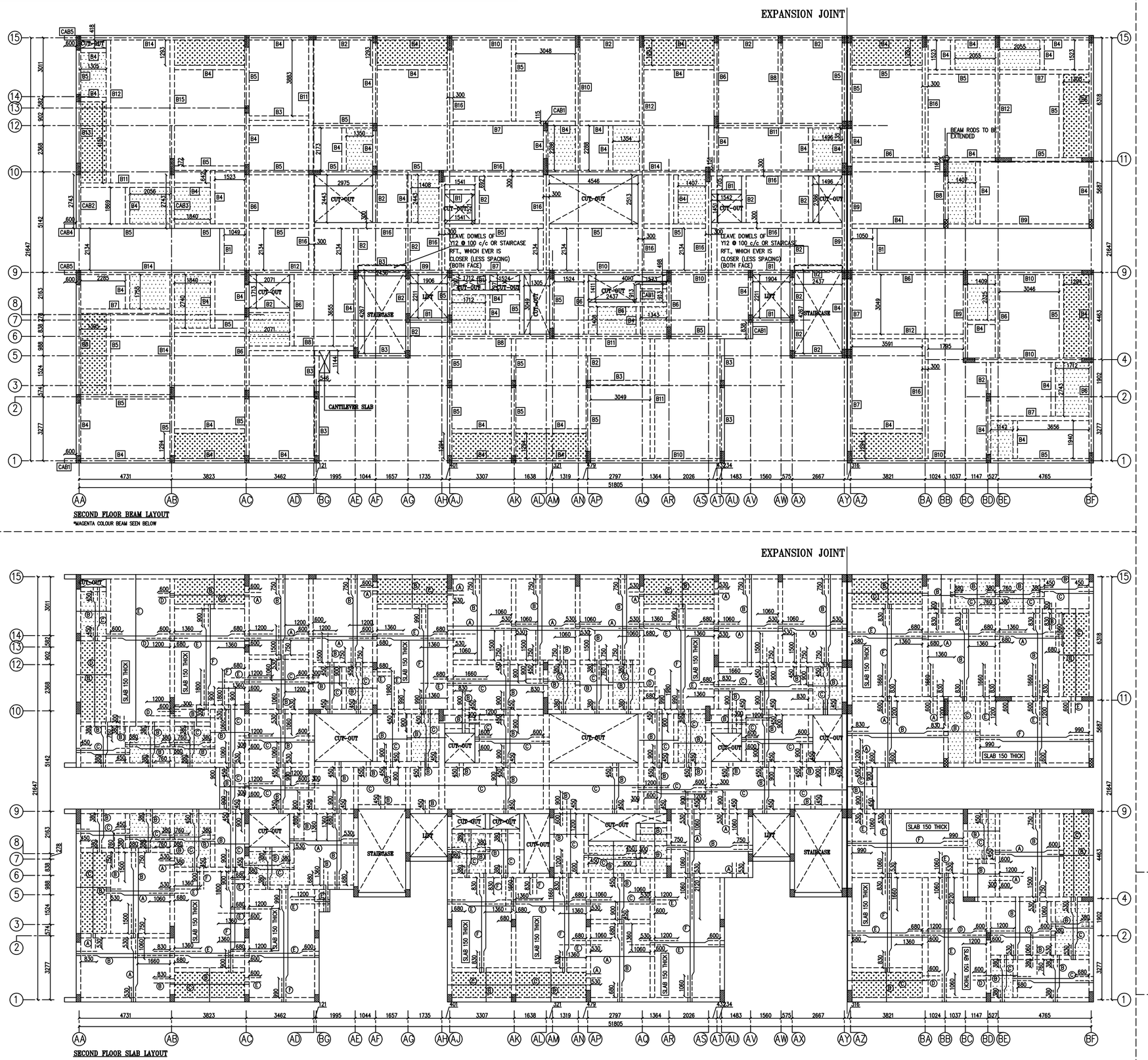
DWG NO: MOS-KS-04-BK-ST-RD

STRUCTURAL CONSULTANT

KAARVENS

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SECOND FLOOR BEAM LAYOUT
*MAGENTA COLOUR BEAM SEEN BELOW

SECOND FLOOR SLAB LAYOUT
*MAGENTA COLOUR BEAM SEEN BELOW

BEAM DETAILS

S No	Beam No	Beam Size	Section @ XX End span	Section @ YY Mid span
1	B1	230x300	3 – Y12 Y8 @ 150c/c 3 – Y12	
2	B2	230x380	3 – Y12 Y8 @ 150c/c 3 – Y12	
3	B3	230x380	2 – Y12 + 2 – Y16 (EXT)• Y8 @ 150c/c 2 – Y12	2 – Y12 Y8 @ 175c/c 2 – Y12 + 2 – Y16 (EXT)•
4	B4/ CAB1	230x450	2 – Y16 Y8 @ 150c/c 2 – Y16	
5	B5/ CAB4	230x450	3 – Y16 Y8 @ 150c/c 3 – Y16	
6	B6	230x450	2 – Y16 + 2 – Y16 (EXT)• Y8 @ 150c/c 2 – Y16	2 – Y16 Y8 @ 175c/c 2 – Y16 + 2 – Y16 (EXT)•
7	B7	230x450	2 – Y16 + 3 – Y16 (EXT)• Y8 @ 125c/c 2 – Y16	2 – Y16 Y8 @ 125c/c 2 – Y16 + 3 – Y16 (EXT)•
8	B8	230x450	3 – Y16 + 3 – Y16 (EXT)• Y8 @ 100c/c 3 – Y16	3 – Y16 Y8 @ 100c/c 3 – Y16 + 3 – Y16 (EXT)•
9	B9	230x600	2 – Y16 + 2 – Y16 (EXT)• Y8 @ 150c/c 2 – Y16	2 – Y16 Y8 @ 175c/c 2 – Y16 + 2 – Y16 (EXT)•
10	B10	230x600	2 – Y16 + 3 – Y16 (EXT)• Y8 @ 150c/c 2 – Y16	2 – Y16 Y8 @ 175c/c 2 – Y16 + 3 – Y16 (EXT)•
11	B11	230x600	3 – Y16 + 3 – Y16 (EXT)• Y8 @ 150c/c 3 – Y16	3 – Y16 Y8 @ 175c/c 3 – Y16 + 3 – Y16 (EXT)•
12	B12	230x600	2 – Y20 2 – Y20 (EXT) + • 2 – Y16 (EXT)• Y8 @ 150c/c 2 – Y20	2 – Y20 Y8 @ 175c/c 2 – Y20 2 – Y20 (EXT) + • 2 – Y16 (EXT)•
13	B13/ CAB2	230x600	4 – Y20 + 2 – Y16 • Y8 @ 125c/c 4 – Y20	
14	B14	230x750	2 – Y20 2 – Y20 (EXT) + • 2 – Y16 (EXT)• Y8 @ 125c/c 2 – Y20	2 – Y20 Y8 @ 125c/c 2 – Y20 2 – Y20 (EXT) + • 2 – Y16 (EXT)•
15	B15/ CAB3	230x750	8 – Y20 Y8 @ 125c/c 6 – Y20	
16	B16	300x450	3 – Y25 Y10 @ 150c/c 5 – Y25	
17	CAB5	230x750	2 – Y20 Y8 @ 125c/c 2 – Y20	

SLAB DETAILS

THICKNESS :125 (UNLESS NOTED)

A	Y8 : @ 150 C/C
B	Y8 : @ 175 C/C
C	Y8 : @ 200 C/C
D	Y10 : @ 150 C/C
E	Y10 : @ 175 C/C
F	Y10 : @ 200 C/C

LIVE LOAD SCHEDULE

DESCRIPTION	LIVE LOAD (kN/m²)
SECOND FLOOR	2

GENERAL NOTES

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12. THE SITE IN-CHARGE SHALL CHECK AND VERIFY ALL DIMENSIONS ON SITE BEFORE COMMENCEMENT OF WORKS AND ANY DISCREPANCIES SHALL BE REPORTED TO THE STRUCTURAL ENGINEER BEFORE EXECUTION.

LEGENDS

- FULL HEIGHT COLUMN
- FLOATING COLUMN FROM FIRST FLOOR
- 230mm SUNKEN
- 100mm SUNKEN
- TOP REINFORCEMENT
- BOTTOM REINFORCEMENT

ABBREVIATIONS

Ld	– DEVELOPMENT LENGTH
CAB	– CANTILEVER BEAM
N.T.S	– NOT TO SCALE



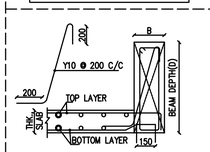
TYPICAL BEAM HOOK DETAILS



TYPICAL PRIMARY SECONDARY BEAM JUNCTION DETAIL
(N.T.S)

PRE CAMBERS FOR BEAMS

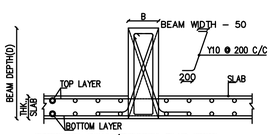
PRE CAMBERS OF 0.4% OF THE SPAN BE PROVIDED FOR ALL HORIZONTAL STRUCTURAL MEMBERS SPAN EXCEEDING 5M (1.5M FOR CANTILEVER).



INVERTED BEAM/SUNKEN SLAB WITH CUT OFF REINFORCEMENT

NOTE
* ALL SUNKEN SLABS SHOULD BE FILLED ONLY WITH LIGHT WEIGHT FILLING MATERIAL (HEMALITE,VERMICULITE) OF UNIT WEIGHT 90 kg/m3 OR 1 kN/m2.

NOTE
*FRONT ELEVATION TO BE DETAIL.



INVERTED BEAM/SUNKEN SLAB WITH CONTINUOUS SLAB REINFORCEMENT

N

ONLY FOR REVIEW PURPOSE

REF	DESCRIPTION	BY	DATE
	REVISIONS		

CLIENT:
Morais Architect X.

PROJECT:
Morais Opal Apartment.

TITLE:
Second Floor Slab, Beam Layout & Details.

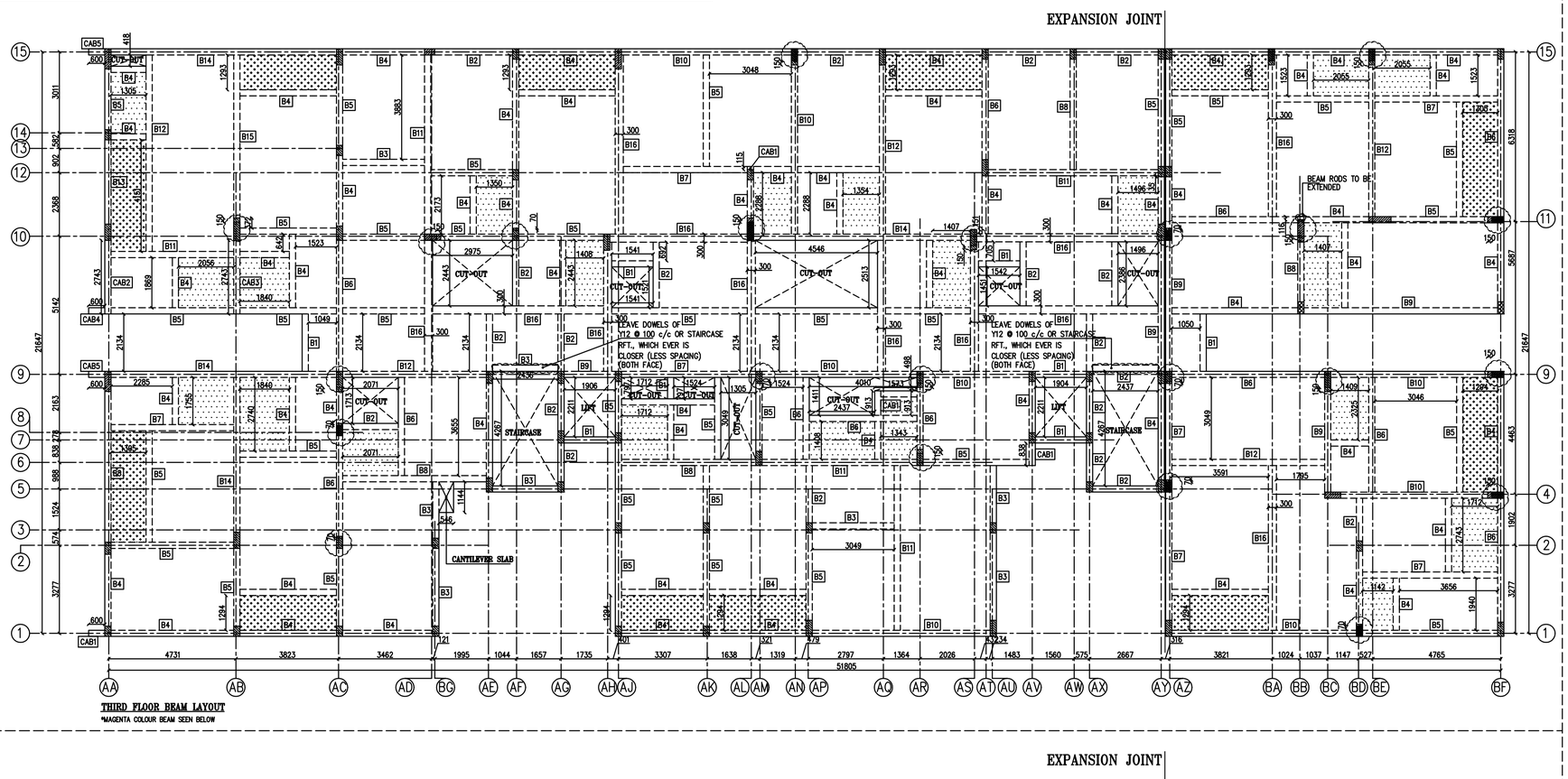
DSGN	DRWN	CHKD	APPD	DATE	SHEET	SCALE
JS	SP	SKAK	SKAK	27.06.26	A1	1:100

DWG. NO: M/01-FS-01-BL-RS-R0

STRUCTURAL CONSULTANT

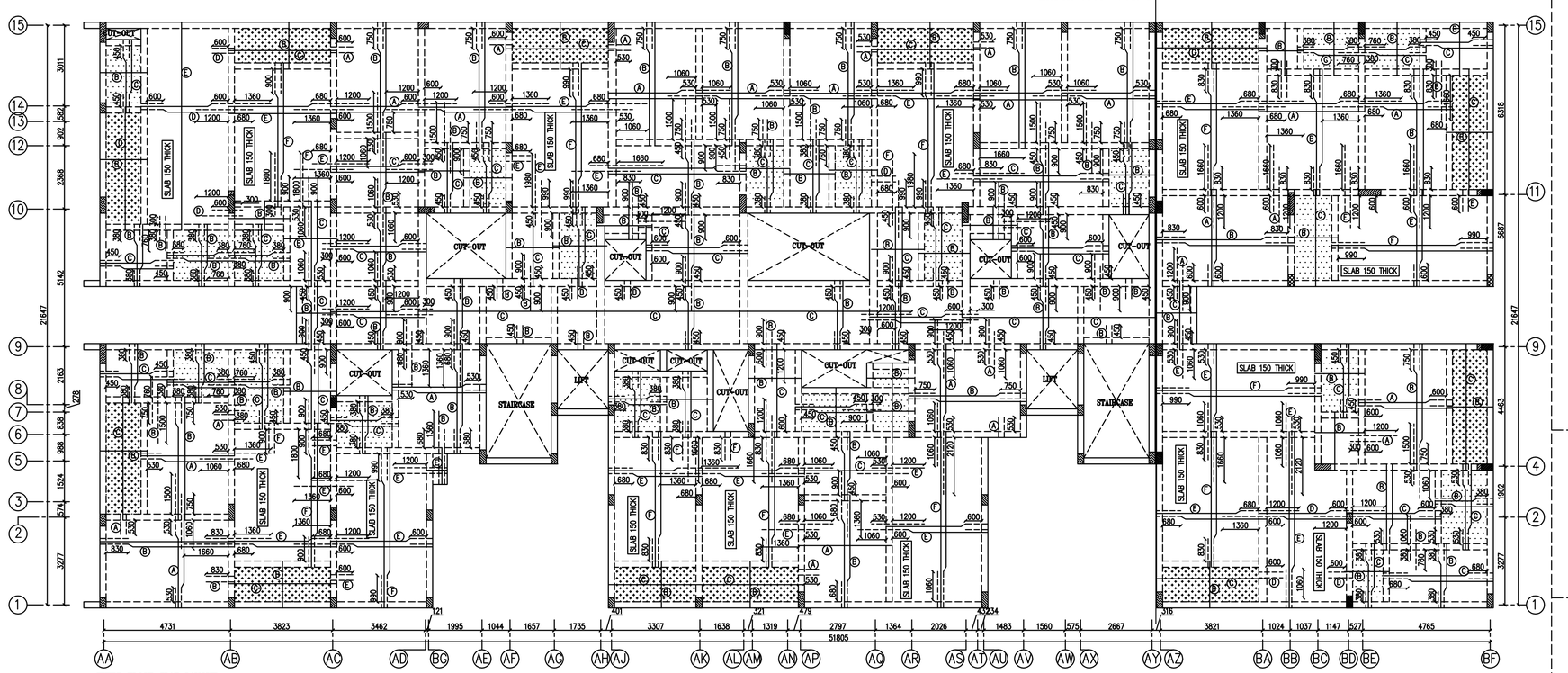
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THIRD FLOOR BEAM LAYOUT

*MAGENTA COLOUR BEAM SEEN BELOW



THIRD FLOOR SLAB LAYOUT

*MAGENTA COLOUR BEAM SEEN BELOW

BEAM DETAILS

S No	Beam No	Beam Size	Section @ XX End span	Section @ YY Mid span
1	B1	230x300	3 – Y12 Y8 @ 150c/c 3 – Y12	
2	B2	230x380	3 – Y12 Y8 @ 150c/c 3 – Y12	
3	B3	230x380	2 – Y12 + 2 – Y16 (EXT)• Y8 @ 150c/c 2 – Y12	2 – Y12 Y8 @ 175c/c 2 – Y12 + 2 – Y16 (EXT)•
4	B4/ CAB1	230x450	2 – Y16 Y8 @ 150c/c 2 – Y16	
5	B5/ CAB4	230x450	3 – Y16 Y8 @ 150c/c 3 – Y16	
6	B6	230x450	2 – Y16 + 2 – Y16 (EXT)• Y8 @ 150c/c 2 – Y16	2 – Y16 Y8 @ 175c/c 2 – Y16 + 2 – Y16 (EXT)•
7	B7	230x450	2 – Y16 + 3 – Y16 (EXT)• Y8 @ 125c/c 2 – Y16	2 – Y16 Y8 @ 125c/c 2 – Y16 + 3 – Y16 (EXT)•
8	B8	230x450	3 – Y16 + 3 – Y16 (EXT)• Y8 @ 100c/c 3 – Y16	3 – Y16 Y8 @ 100c/c 3 – Y16 + 3 – Y16 (EXT)•
9	B9	230x600	2 – Y16 + 2 – Y16 (EXT)• Y8 @ 150c/c 2 – Y16	2 – Y16 Y8 @ 175c/c 2 – Y16 + 2 – Y16 (EXT)•
10	B10	230x600	2 – Y16 + 3 – Y16 (EXT)• Y8 @ 150c/c 2 – Y16	2 – Y16 Y8 @ 175c/c 2 – Y16 + 3 – Y16 (EXT)•
11	B11	230x600	3 – Y16 + 3 – Y16 (EXT)• Y8 @ 150c/c 3 – Y16	3 – Y16 Y8 @ 175c/c 3 – Y16 + 3 – Y16 (EXT)•
12	B12	230x600	2 – Y20 2 – Y20 (EXT) + • 2 – Y16 (EXT)• Y8 @ 150c/c 2 – Y20	2 – Y20 Y8 @ 175c/c 2 – Y20 2 – Y20 (EXT) + • 2 – Y16 (EXT)•
13	B13/ CAB2	230x600	4 – Y20 + 2 – Y16 • Y8 @ 125c/c 4 – Y20	
14	B14	230x750	2 – Y20 2 – Y20 (EXT) + • 2 – Y16 (EXT)• Y8 @ 125c/c 2 – Y20	2 – Y20 Y8 @ 125c/c 2 – Y20 2 – Y20 (EXT) + • 2 – Y16 (EXT)•
15	B15/ CAB3	230x750	8 – Y20 Y8 @ 125c/c 6 – Y20	
16	B16	300x450	3 – Y25 Y10 @ 150c/c 5 – Y25	
17	CAB5	230x750	2 – Y20 Y8 @ 125c/c 2 – Y20	

SLAB DETAILS

THICKNESS :125 (UNLESS NOTED)

A	Y8 : @ 150 C/C
B	Y8 : @ 175 C/C
C	Y8 : @ 200 C/C
D	Y10 : @ 150 C/C
E	Y10 : @ 175 C/C
F	Y10 : @ 200 C/C

LIVE LOAD SCHEDULE

DESCRIPTION	LIVE LOAD (kN/m²)
THIRD FLOOR	2

GENERAL NOTES

1. THIS DRAWING SHOULD BE READ ALONG WITH ARCHITECTURAL DRAWINGS.
2. ALL DIMENSIONS ARE IN MILLIMETERS.
3. ALL STRUCTURAL CONCRETE SHALL BE OF M25(1:1:2) GRADE CONFORMING TO IS:456.
4. ALL REINFORCEMENT(Y) SHALL BE H.Y.S.D. BARS OF GRADE Fe 550 CONFORMING TO IS:1786.
5. THE CLEAR COVER FOR REINFORCEMENT SHALL BE 12.5mm FOR SLAB, 25mm FOR BEAM.
6. LAP LENGTH (Ld) SHALL BE 50*D (DIA OF BAR) FOR ALL BARS.
7. NOT MORE THAN 50% OF REINFORCEMENT SHALL BE LAPPED AT ANY PARTICULAR JUNCTION.
8. THIS DRAWING IS NOT TO BE SCALED ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
9. MINIMUM DEPTH OF SUNKEN SHALL BE 230mm.
10. ALL SLABS SHALL BE PROVIDED WITH TOP DISTRIBUTORS OF Y8 @ 200 C/C.
11. SPACER BAR TO BE PROVIDED IN BETWEEN TWO LAYERS OF REINFORCEMENT OF SAME DIA(MIN.,20mm) AT EVERY 1000 C/C.
12. THE SITE IN-CHARGE SHALL CHECK AND VERIFY ALL DIMENSIONS ON SITE BEFORE COMMENCEMENT OF WORKS AND ANY DISCREPANCIES SHALL BE REPORTED TO THE STRUCTURAL ENGINEER BEFORE EXECUTION.

LEGENDS

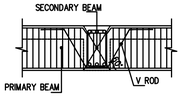
- FULL HEIGHT COLUMN
- FLOATING COLUMN FROM FIRST FLOOR
- 230mm SUNKEN
- 100mm SUNKEN
- TOP REINFORCEMENT
- BOTTOM REINFORCEMENT

ABBREVIATIONS

Ld	– DEVELOPMENT LENGTH
CAB	– CANTILEVER BEAM
N.T.S	– NOT TO SCALE



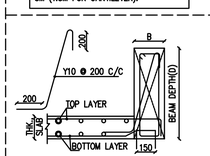
TYPICAL BEAM HOOK DETAILS



TYPICAL PRIMARY SECONDARY BEAM JUNCTION DETAIL (N.T.S)

PRE CAMBERS FOR BEAMS

PRE CAMBERS OF 0.4% OF THE SPAN BE PROVIDED FOR ALL HORIZONTAL STRUCTURAL MEMBERS SPAN EXCEEDING 5M (1.5M FOR CANTILEVER).



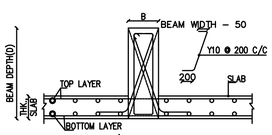
INVERTED BEAM/SUNKEN SLAB WITH CUT OFF REINFORCEMENT

NOTE

* ALL SUNKEN SLABS SHOULD BE FILLED ONLY WITH LIGHT WEIGHT FILLING MATERIAL (HEMALITE,VERMICULITE) OF UNIT WEIGHT 90 kg/m3 OR 1 kN/m2.

NOTE

*FRONT ELEVATION TO BE DETAIL.



INVERTED BEAM/SUNKEN SLAB WITH CONTINUOUS SLAB REINFORCEMENT

N

ONLY FOR REVIEW PURPOSE

REF	DESCRIPTION	BY	DATE
	REVISIONS		

CLIENT: Morais Architect X.

PROJECT: Morais Opal Apartment.

TITLE: Third Floor Slab, Beam Layout & Details.

DSGN	DRWN	CHKD	APPD	DATE	SHEET	SCALE
JS	SP	SKAK	SKAK	27.06.26	A1	1:100

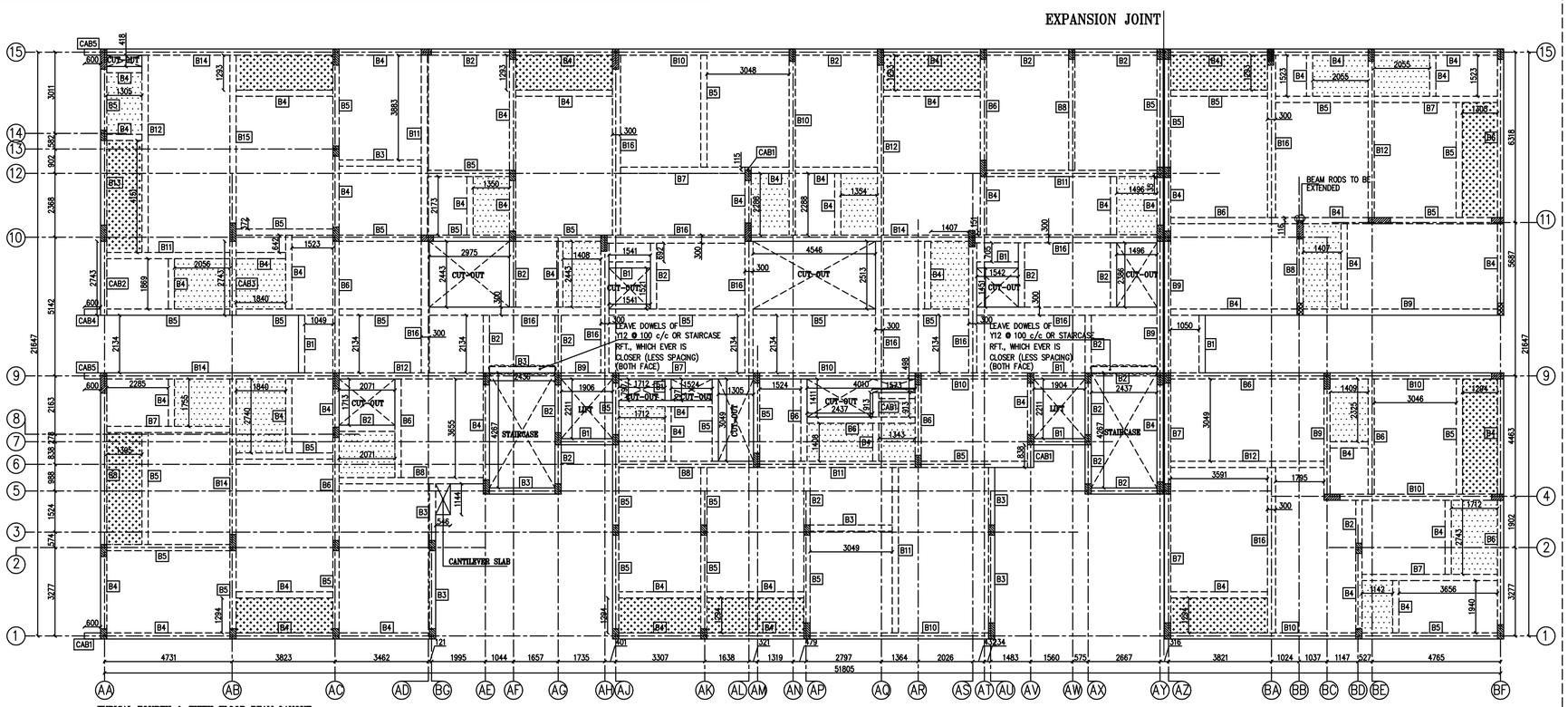
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STRUCTURAL CONSULTANT

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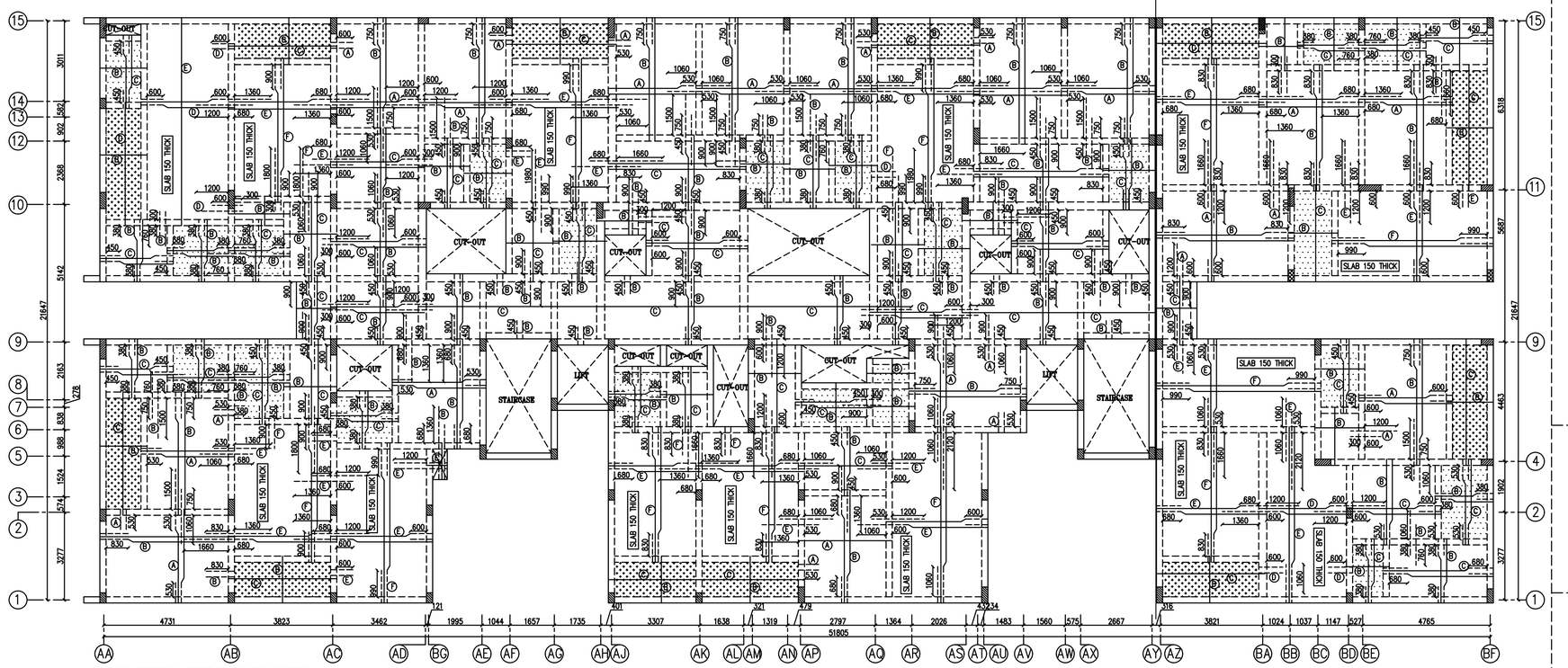
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TYPICAL FOURTH & FIFTH FLOOR BEAM LAYOUT

*MAGENTA COLOUR BEAM SEEN BELOW



TYPICAL FOURTH & FIFTH FLOOR SLAB LAYOUT

*MAGENTA COLOUR BEAM SEEN BELOW

BEAM DETAILS

S No	Beam No	Beam Size	Section @ XX End span	Section @ YY Mid span
1	B1	230x300	3 – Y12 Y8 @ 150c/c 3 – Y12	
2	B2	230x380	3 – Y12 Y8 @ 150c/c 3 – Y12	
3	B3	230x380	2 – Y12 + 2 – Y16 (EXT)• Y8 @ 150c/c 2 – Y12	2 – Y12 Y8 @ 175c/c 2 – Y12 + 2 – Y16 (EXT)•
4	B4/ CAB1	230x450	2 – Y16 Y8 @ 150c/c 2 – Y16	
5	B5/ CAB4	230x450	3 – Y16 Y8 @ 150c/c 3 – Y16	
6	B6	230x450	2 – Y16 + 2 – Y16 (EXT)• Y8 @ 150c/c 2 – Y16	2 – Y16 Y8 @ 175c/c 2 – Y16 + 2 – Y16 (EXT)•
7	B7	230x450	2 – Y16 + 3 – Y16 (EXT)• Y8 @ 125c/c 2 – Y16	2 – Y16 Y8 @ 125c/c 2 – Y16 + 3 – Y16 (EXT)•
8	B8	230x450	3 – Y16 + 3 – Y16 (EXT)• Y8 @ 100c/c 3 – Y16	3 – Y16 Y8 @ 100c/c 3 – Y16 + 3 – Y16 (EXT)•
9	B9	230x600	2 – Y16 + 2 – Y16 (EXT)• Y8 @ 150c/c 2 – Y16	2 – Y16 Y8 @ 175c/c 2 – Y16 + 2 – Y16 (EXT)•
10	B10	230x600	2 – Y16 + 3 – Y16 (EXT)• Y8 @ 150c/c 2 – Y16	2 – Y16 Y8 @ 175c/c 2 – Y16 + 3 – Y16 (EXT)•
11	B11	230x600	3 – Y16 + 3 – Y16 (EXT)• Y8 @ 150c/c 3 – Y16	3 – Y16 Y8 @ 175c/c 3 – Y16 + 3 – Y16 (EXT)•
12	B12	230x600	2 – Y20 2 – Y20 (EXT) + • 2 – Y16 (EXT)• Y8 @ 150c/c 2 – Y20	2 – Y20 Y8 @ 175c/c 2 – Y20 2 – Y20 (EXT) + • 2 – Y16 (EXT)•
13	B13/ CAB2	230x600	4 – Y20 + 2 – Y16 • Y8 @ 125c/c 4 – Y20	
14	B14	230x750	2 – Y20 2 – Y20 (EXT) + • 2 – Y16 (EXT)• Y8 @ 125c/c 2 – Y20	2 – Y20 Y8 @ 125c/c 2 – Y20 2 – Y20 (EXT) + • 2 – Y16 (EXT)•
15	B15/ CAB3	230x750	8 – Y20 Y8 @ 125c/c 6 – Y20	
16	B16	300x450	3 – Y25 Y10 @ 150c/c 5 – Y25	
17	CAB5	230x750	2 – Y20 Y8 @ 125c/c 2 – Y20	

SLAB DETAILS

THICKNESS :125 (UNLESS NOTED)

A	Y8 : @ 150 C/C	
B	Y8 : @ 175 C/C	
C	Y8 : @ 200 C/C	
D	Y10 : @ 150 C/C	
E	Y10 : @ 175 C/C	
F	Y10 : @ 200 C/C	

LIVE LOAD SCHEDULE

DESCRIPTION	LIVE LOAD (kN/m²)
TYPICAL FLOORS (FOURTH & FIFTH)	2

GENERAL NOTES

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9. MINIMUM DEPTH OF SUNKEN SHALL BE 230mm.
10. ALL SLABS SHALL BE PROVIDED WITH TOP DISTRIBUTORS OF Y8 @ 200 C/C.
11. SPACER BAR TO BE PROVIDED IN BETWEEN TWO LAYERS OF REINFORCEMENT OF SAME DIA(MIN.,20mm) AT EVERY 1000 C/C.
12. THE SITE IN-CHARGE SHALL CHECK AND VERIFY ALL DIMENSIONS ON SITE BEFORE COMMENCEMENT OF WORKS AND ANY DISCREPANCIES SHALL BE REPORTED TO THE STRUCTURAL ENGINEER BEFORE EXECUTION.

LEGENDS

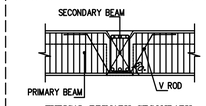
- FULL HEIGHT COLUMN
- FLOATING COLUMN FROM FIRST FLOOR
- 230mm SUNKEN
- 100mm SUNKEN
- TOP REINFORCEMENT
- BOTTOM REINFORCEMENT

ABBREVIATIONS

Ld	– DEVELOPMENT LENGTH
CAB	– CANTILEVER BEAM
N.T.S	– NOT TO SCALE



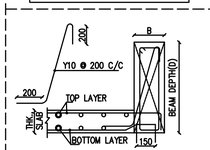
TYPICAL BEAM HOOK DETAILS



TYPICAL PRIMARY SECONDARY BEAM JUNCTION DETAIL (N.T.S)

PRE CAMBERS FOR BEAMS

PRE CAMBERS OF 0.4% OF THE SPAN BE PROVIDED FOR ALL HORIZONTAL STRUCTURAL MEMBERS SPAN EXCEEDING 5M (1.5M FOR CANTILEVER).



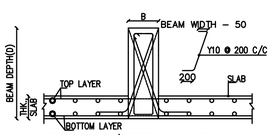
INVERTED BEAM/SUNKEN SLAB WITH CUT OFF REINFORCEMENT

NOTE

* ALL SUNKEN SLABS SHOULD BE FILLED ONLY WITH LIGHT WEIGHT FILLING MATERIAL (HEMALITE,VERMICULITE) OF UNIT WEIGHT 90 kg/m3 OR 1 kN/m2.

NOTE

*FRONT ELEVATION TO BE DETAIL.



INVERTED BEAM/SUNKEN SLAB WITH CONTINUOUS SLAB REINFORCEMENT

N

ONLY FOR REVIEW PURPOSE

REF	DESCRIPTION	BY	DATE
	REVISIONS		

CLIENT: Morais Architect X.

PROJECT: Morais Opal Apartment.

TITLE: Typical Fourth & Fifth Floor Slab, Beam Layout & Details.

DSGN	DRWN	CHKD	APPD	DATE	SHEET	SCALE
JS	SP	SKAK	SKAK	27.06.26	A1	1:100

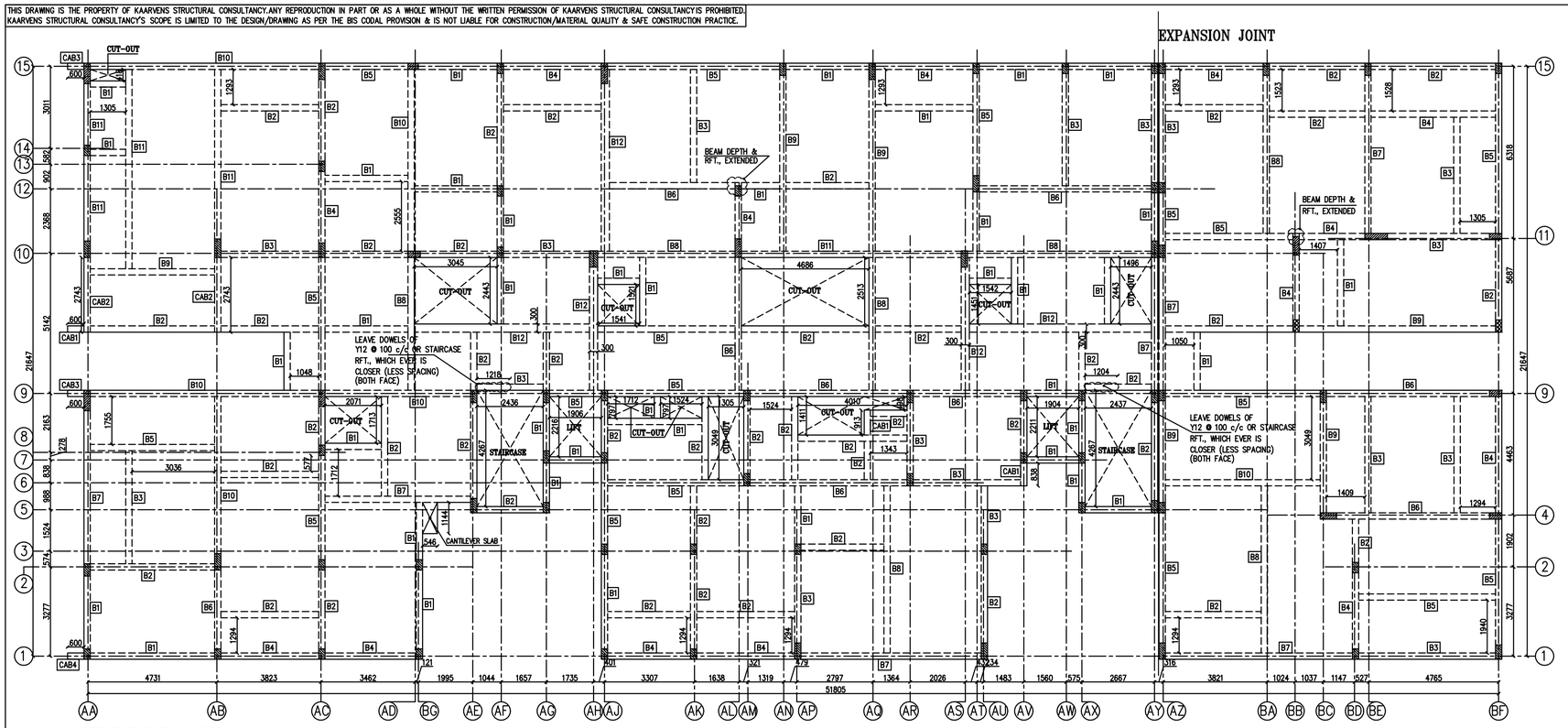
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STRUCTURAL CONSULTANT

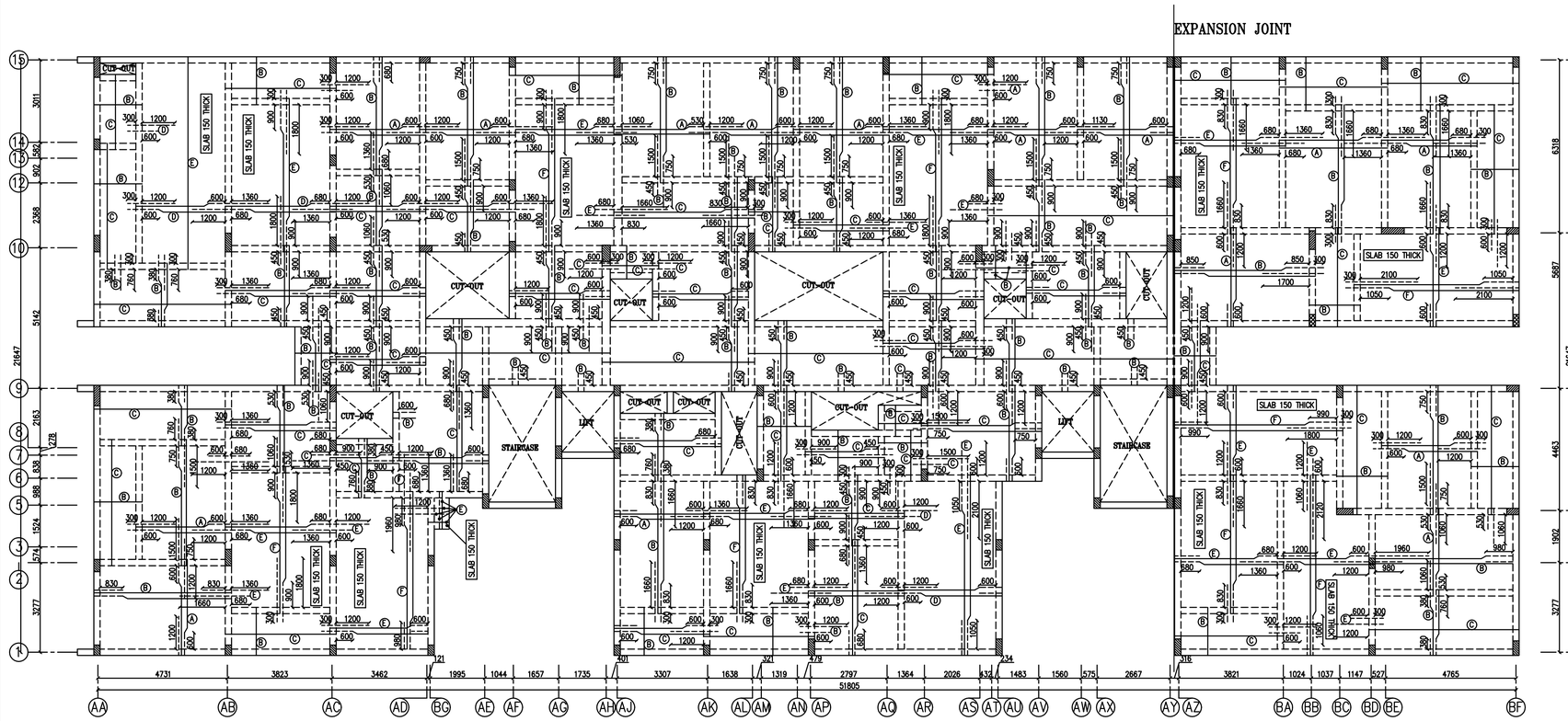
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TERRACE FLOOR BEAM LAYOUT
*MAGENTA COLOUR BEAM SEEN BELOW



TERRACE FLOOR SLAB LAYOUT
*MAGENTA COLOUR BEAM SEEN BELOW

TERRACE FLOOR BEAM DETAILS

S No	Beam No	Beam Size	Section @ XX End span	Section @ YY Mid span
1	B1/ CAB4	230x300	3 – Y12 Y8 @ 150c/c 3 – Y12	
2	B2/ CAB1	230x380	3 – Y12 Y8 @ 150c/c 3 – Y12	
3	B3	230x380	2 – Y12 + 2 – Y16 (EXT)● Y8 @ 150c/c 2 – Y12	2 – Y12 Y8 @ 175c/c 2 – Y12 + 2 – Y16 (EXT)●
4	B4	230x450	2 – Y16 Y8 @ 150c/c 2 – Y16	
5	B5	230x450	2 – Y16 + 2 – Y12 (EXT)● Y8 @ 150c/c 2 – Y16	2 – Y16 Y8 @ 175c/c 2 – Y16 + 2 – Y12 (EXT)●
6	B6	230x450	2 – Y16 + 2 – Y16 (EXT)● Y8 @ 150c/c 2 – Y16	2 – Y16 Y8 @ 175c/c 2 – Y16 + 2 – Y16 (EXT)●
7	B7	230x450	2 – Y16 + 3 – Y16 (EXT)● Y8 @ 150c/c 2 – Y16	2 – Y16 Y8 @ 175c/c 2 – Y16 + 3 – Y16 (EXT)●
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9	B9	230x600	2 – Y16 + 2 – Y16 (EXT)● Y8 @ 150c/c 2 – Y16	2 – Y16 Y8 @ 175c/c 2 – Y16 + 2 – Y16 (EXT)●
10	B10	230x600	3 – Y16 + 3 – Y16 (EXT)● Y8 @ 150c/c 3 – Y16	3 – Y16 Y8 @ 150c/c 3 – Y16 + 3 – Y16 (EXT)●
11	B11/ CAB2	230x600	4 – Y20 2 – Y16 (EXT)● Y8 @ 150c/c 4 – Y20 + 2 – Y16 (EXT)●	
12	B12	300x450	3 – Y25 + 2 – Y20 (EXT)● Y8 @ 150c/c 3 – Y25	3 – Y25 Y8 @ 150c/c 3 – Y25 + 3 – Y20 (EXT)●
13	CAB3	230x600	3 – Y16 Y8 @ 150c/c 3 – Y16	

SECONDARY BEAM
PRIMARY BEAM
V_ROD

TYPICAL PRIMARY SECONDARY BEAM JUNCTION DETAIL
(N.T.S)

PRE CAMBERS FOR BEAMS
PRE CAMBERS OF 0.4% OF THE SPAN BE PROVIDED FOR ALL HORIZONTAL STRUCTURAL MEMBERS SPAN EXCEEDING 5M (1.5M FOR CANTILEVER).

SLAB DETAILS
THICKNESS :125 (UNLESS NOTED)

A	Y8	@ 150 C/C
B	Y8	@ 175 C/C
C	Y8	@ 200 C/C
D	Y10	@ 150 C/C
E	Y10	@ 175 C/C
F	Y10	@ 200 C/C



TYPICAL BEAM HOOK DETAILS

LIVE LOAD SCHEDULE

DESCRIPTION	LIVE LOAD (kN/m²)
TERRACE FLOOR	1.5

GENERAL NOTES

1. THIS DRAWING SHOULD BE READ ALONG WITH ARCHITECTURAL DRAWINGS.
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LEGENDS

- FULL HEIGHT COLUMN
- FLOATING COLUMN FROM FIRST FLOOR
- TOP REINFORCEMENT
- BOTTOM REINFORCEMENT

ABBREVIATIONS

Ld	– DEVELOPMENT LENGTH
CAB	– CANTILEVER BEAM
N.T.S	– NOT TO SCALE
LVL	– LEVEL

NOTE
*FRONT ELEVATION TO BE DETAIL.

ONLY FOR REVIEW PURPOSE

REF	DESCRIPTION	BY	DATE
REVISIONS			

CLIENT:
Morais Architect X.

PROJECT:
Morais Opal Apartment.

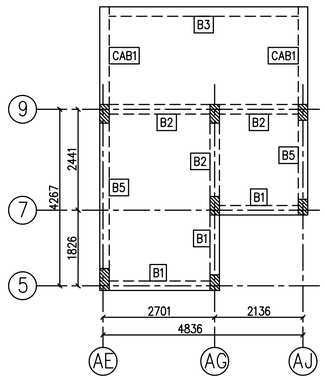
TITLE:
Terrace Floor Slab, Beam Layout & Details.

DSGN	DRWN	CHKD	APPD	DATE	SHEET	SCALE
JS	SP	SKAK	SKAK	27.06.26	A1	1:100

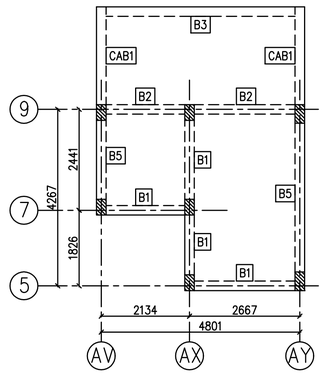
DWG. NO: MOS-STS-GNS-BFL-ISR-RBD

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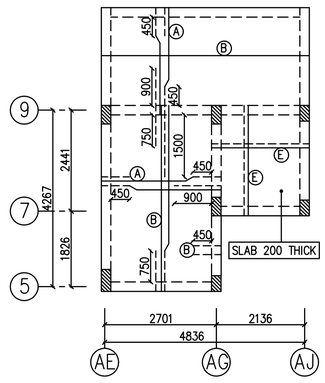
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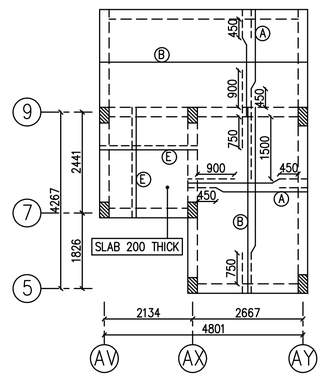
STAIRCASE & LIFT TYPE-1 HEAD ROOM COVER BEAM LAYOUT



STAIRCASE & LIFT TYPE-2 HEAD ROOM COVER BEAM LAYOUT



STAIRCASE & LIFT TYPE-1 HEAD ROOM COVER SLAB LAYOUT



STAIRCASE & LIFT TYPE-2 HEAD ROOM COVER SLAB LAYOUT

BEAM DETAILS

S No	Beam No	Beam Size	Beam Reinforcement Details
1	B1	230x300	3 – Y12 Y8 @ 150c/c 3 – Y12
2	B2	230x380	3 – Y12 Y8 @ 150c/c 3 – Y12
3	B3	230x450	3 – Y16 Y8 @ 150c/c 3 – Y16
4	B4	230x450	4 – Y16 Y10 @ 125c/c 4 – Y16
5	B5/ CAB1	230x600	4 – Y16 Y10 @ 125c/c 4 – Y16

GENERAL NOTES

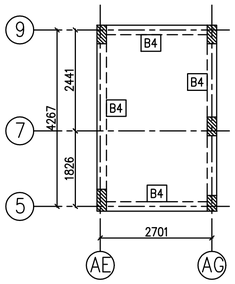
1. THIS DRAWING SHOULD BE READ ALONG WITH ARCHITECTURAL DRAWINGS.
2. ALL DIMENSIONS ARE IN MILLIMETERS.
3. ALL STRUCTURAL CONCRETE SHALL BE OF M25(1:1:2) GRADE CONFORMING TO IS:456.
4. ALL REINFORCEMENT(Y) SHALL BE H.Y.S.D. BARS OF GRADE Fe 550 CONFORMING TO IS:1786.
5. THE CLEAR COVER FOR REINFORCEMENT SHALL BE 12.5mm FOR SLAB, 25mm FOR BEAM.
6. LAP LENGTH (Ld) SHALL BE 50*D (DIA OF BAR) FOR ALL BARS.
7. NOT MORE THAN 50% OF REINFORCEMENT SHALL BE LAPPED AT ANY PARTICULAR JUNCTION.
8. THIS DRAWING IS NOT TO BE SCALED ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
9. MINIMUM DEPTH OF SUNKEN SHALL BE 230mm.
10. ALL SLABS SHALL BE PROVIDED WITH TOP DISTRIBUTORS OF Y8 @ 200 C/C.
11. SPACER BAR TO BE PROVIDED IN BETWEEN TWO LAYERS OF REINFORCEMENT OF SAME DIA(MIN.,20mm) AT EVERY 1000 C/C.
12. THE SITE IN-CHARGE SHALL CHECK AND VERIFY ALL DIMENSIONS ON SITE BEFORE COMMENCEMENT OF WORKS AND ANY DISCREPANCIES SHALL BE REPORTED TO THE STRUCTURAL ENGINEER BEFORE EXECUTION.

LEGENDS

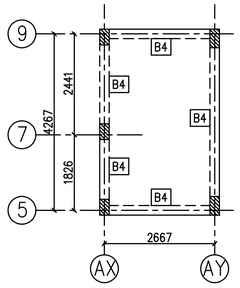
- – FULL HEIGHT COLUMN
- – FLOATING COLUMN FROM FIRST FLOOR
- – – – – TOP REINFORCEMENT
- ——— BOTTOM REINFORCEMENT

ABBREVIATIONS

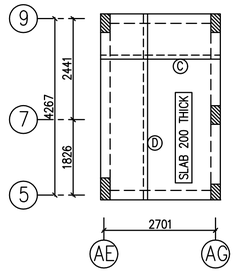
Ld	– DEVELOPMENT LENGTH
CAB	– CANTILEVER BEAM
N.T.S	– NOT TO SCALE
LVL	– LEVEL



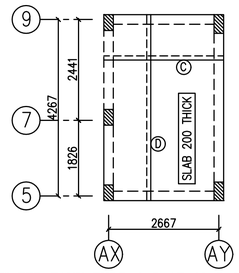
WATER TANK TYPE-1 BASE SLAB BEAM LAYOUT
(WATER TANK IS PLACED 900mm ABOVE HEAD ROOM COVER SLAB)



WATER TANK TYPE-2 BASE SLAB BEAM LAYOUT
(WATER TANK IS PLACED 900mm ABOVE HEAD ROOM COVER SLAB)



WATER TANK TYPE-1 BASE SLAB LAYOUT
(WATER TANK IS PLACED 900mm ABOVE HEAD ROOM COVER SLAB)



WATER TANK TYPE-2 BASE SLAB LAYOUT
(WATER TANK IS PLACED 900mm ABOVE HEAD ROOM COVER SLAB)

LIVE LOAD SCHEDULE

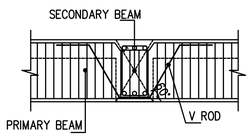
DESCRIPTION	LIVE LOAD (kN/m²)
STAIRCASE HEAD ROOM	0.75
LIFT HEAD ROOM	5

PRE CAMBERS FOR BEAMS

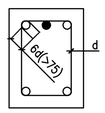
PRE CAMBERS OF 0.4% OF THE SPAN BE PROVIDED FOR ALL HORIZONTAL STRUCTURAL MEMBERS SPAN EXCEEDING 5M (1.5M FOR CANTILEVER).

SLAB DETAILS

THICKNESS :125 (UNLESS NOTED)		
A	Y8	@ : 175 C/C
B	Y8	@ : 200 C/C
C	Y10	@ : 125 C/C
D	Y10	@ : 150 C/C
E	Y12	@ : 100 C/C



TYPICAL PRIMARY SECONDARY BEAM JUNCTION DETAIL
(N.T.S)



TYPICAL BEAM HOOK DETAILS

ONLY FOR REVIEW PURPOSE

REF	DESCRIPTION	BY	DATE

REVISIONS

CLIENT:
Morais Architect X.

PROJECT:
Morais Opal Apartment.

TITLE:
Staircase, Lift Head Room and Water Tank Base Slab, Beam Layout & Details.

DSGN	DRWN	CHKD	APPD	DATE	SHEET	SCALE
JS	SP	SKAK	SKAK	27.06.26	A2	1:100

DWG. NO: MOIS-25I-05I-IRC-516-IR0

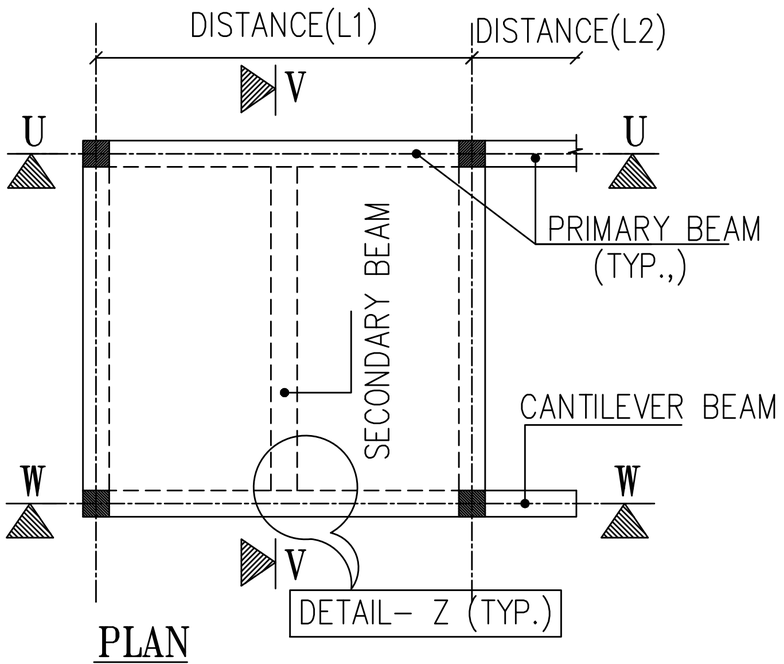
STRUCTURAL CONSULTANT

KAARVENS

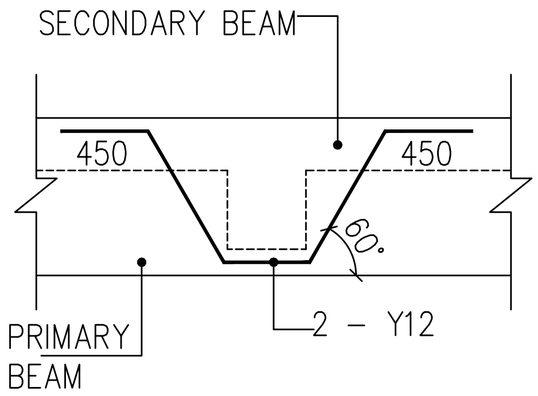
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N

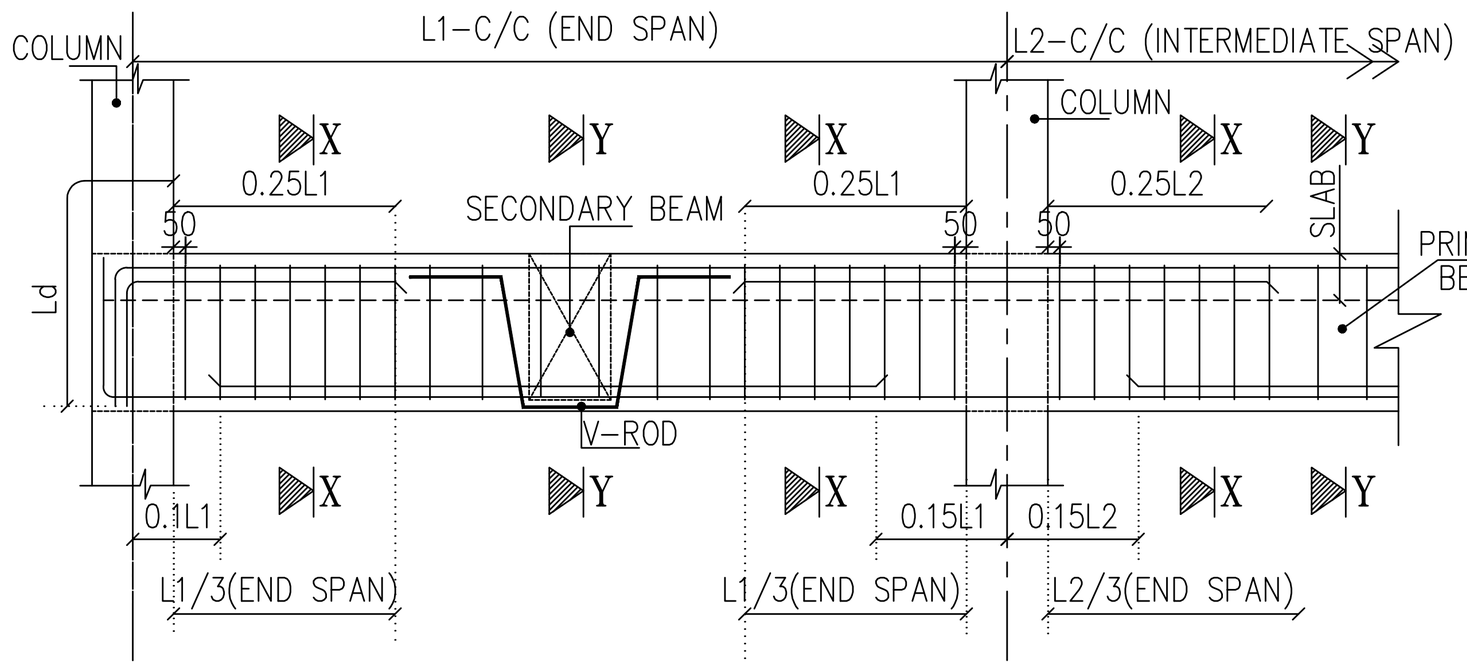
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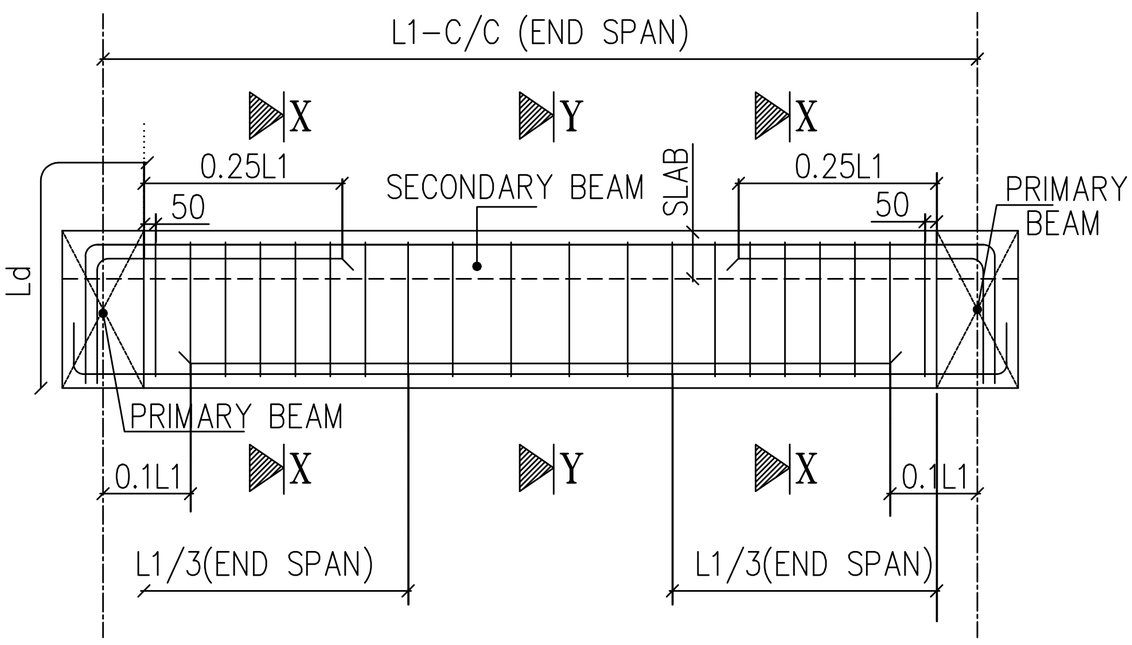
PLAN
(N.T.S)



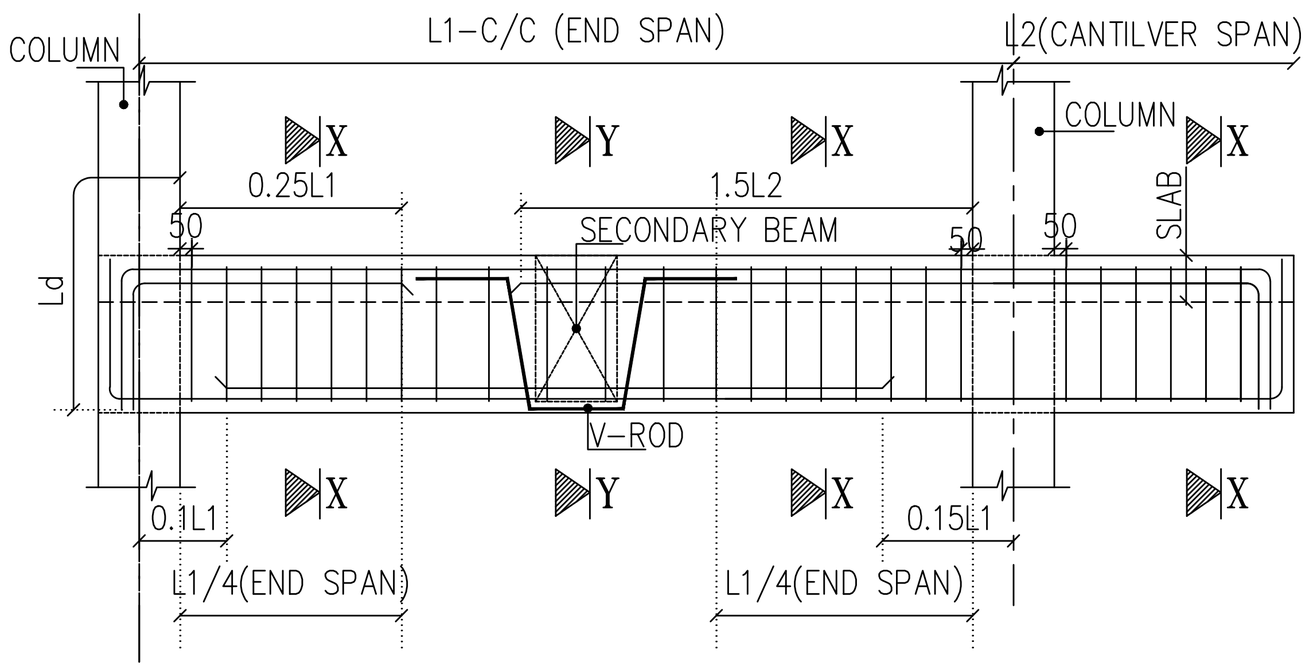
DETAIL – Z
(V–ROD DETAILS)
(N.T.S)



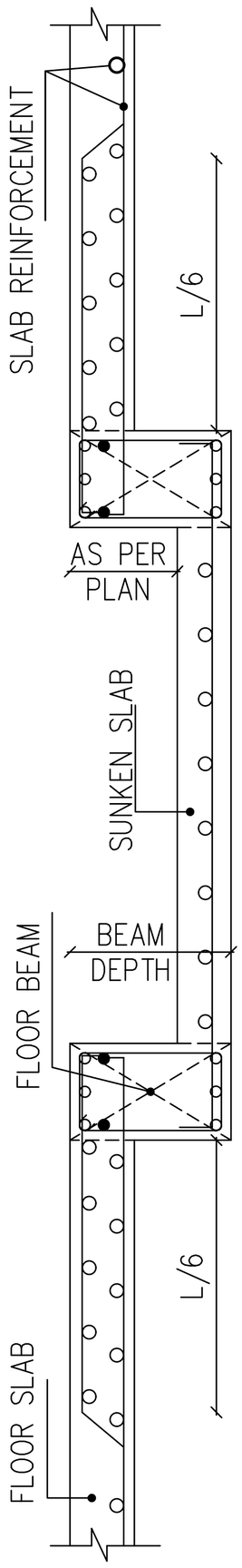
SECTION U–U
TYPICAL BEAM SECTION
(N.T.S)



SECTION V–V
TYPICAL BEAM SECTION
(N.T.S)



SECTION W–W
TYPICAL CANTILEVER BEAM SECTION
(N.T.S)



TYPICAL SUNKEN SLAB SECTION
(N.T.S)

ABBREVIATIONS

Ld	– DEVELOPMENT LENGTH
N.T.S	– NOT TO SCALE

NOTE
*FOR SECTIONS XX & YY REFER BEAM DETAILS.

ONLY FOR REVIEW PURPOSE

REF.	DESCRIPTION	BY	DATE
	REVISIONS		

CLIENT:
Morais Architect X.

PROJECT:
Morais Opal Apartment.

TITLE:
Typical Roof Beam Sections and Layout.

DSGN	DRWN	CHKD	APPD	DATE	SHEET	SCALE
JS	SP	SKAK	SKAK	27.06.26	A4	1:100

DWG. NO: MOS-25-05-RC-57-R0

STRUCTURAL CONSULTANT

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THE LANDLENS SUITE

Eight ways to know a piece of land before you pay for it.

This report covers one part of the picture. These cover the rest, drawn from the same government records, for any property in Tamil Nadu.

LandLens One
Ask anything about a property and get an answer grounded in live government records, with the sources shown.
/landlens/one

Verify My Land
Every record check run on one property and returned as a single report.
/landlens/verify-my-land

Legal Opinion
An advocate's written opinion on the title, built on the records we pull for it.
/landlens

One Map
Every layer on one map: the parcel, its boundary, zoning, water bodies and what sits around it.
/landlens/one/map

PriceMap
What land actually changed hands for around this plot, taken from the registered deeds.
/landlens/pricemap

Build Scope
What you are allowed to build here: floor space, height, coverage and setbacks.
/landlens/build-scope

Property Tracker
Watch a property and hear about it when something new is registered against it.
/landlens/property-tracker

Deal Room
Run the transaction in one place: documents, stamping, signatures and the parties.
/landlens/deal-room

FREE TOOLS · NO ACCOUNT NEEDED

Twenty-four checks you can run yourself, at no cost.

Records and verification

The registers themselves, read for you.

- Encumbrance Certificate
- Patta and Chitta
- Field Measurement Sketch
- EC Analyzer
- Bank charge check
- Court case search
- Seller background check
- Approval check by survey

Value and duty

What it is worth and what it costs to register.

- Guideline value by street
- Guideline value by survey
- Stamp duty and registration fees
- Capital gains
- Floor space index
- Area unit converter

Zoning and land use

What the plan says can happen on this land.

- Land use zone finder
- CMDA land use check
- Coastal regulation zone
- Master plan check
- Water bodies finder
- Airport height clearance

Registers and directories

Who holds it, and which office keeps the record.

- Find your registering office
- Temple property check
- Waqf property check
- RERA register

Every free tool
/tools

Services we run for you
/services

The LandLens suite
/landlens/one

Verified RealEstate™

Every claim in this document traces back to a government record.

- Legal opinions, due diligence and title verification
- Building plan, layout and sub-division approvals
- Completion and occupancy certificates, regularisation
- Escrow, negotiation and NRI property management
- Land survey, soil testing, architecture and construction

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+91 9996 12 9996

Prepared from the registers named on the page each finding sits on. Where a register could not be read, this document says so in its place rather than leaving the gap to be read as a clean result.