

LAYOUT OF FOOTING

GENERAL NOTES:

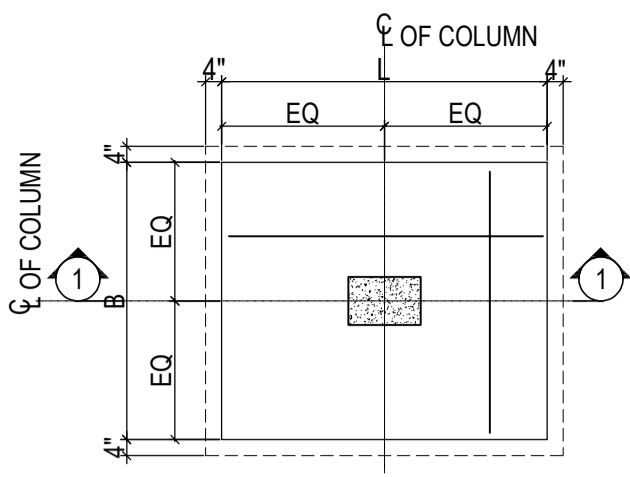
1. ALL DIMENSIONS ARE IN FOOT UNITS.
2. CONCRETE GRADE SHALL BE M25 CONFIRMING TO IS 456:2000
3. GRADE OF REINFORCEMENT SHALL BE Fe 550 CONFIRMING TO IS 1786-2008
4. CLEAR COVER FOR REINFORCEMENT
a) FOOTING = 2" b) COLUMN = 1 1/2"
5. READ THIS DRG. IN ALONG WITH ARCH.DRGS.
6. COLUMNS AND FOOTINGS ARE DESIGNED FOR G+2 FLOOR LOADS AND SBC OF THE SOIL IS - 110KN/SQM. @ 7'-4" BELOW N.G.L AS PER SOIL REPORT
7. STRUCTURAL ENGINEER RESPONSIBILITY IS LIMITED TO DESIGN & ISSUAL OF STRUCTURAL DRAWING ONLY
8. ONUS OF CONSTRUCTION LIES WITH CONTRACTOR/OWNER

00	ISSUE FOR CONSTRUCTION	MV	G.S	14.02.2026
REV.	DESCRIPTIONS	DRN	CHK	DATE

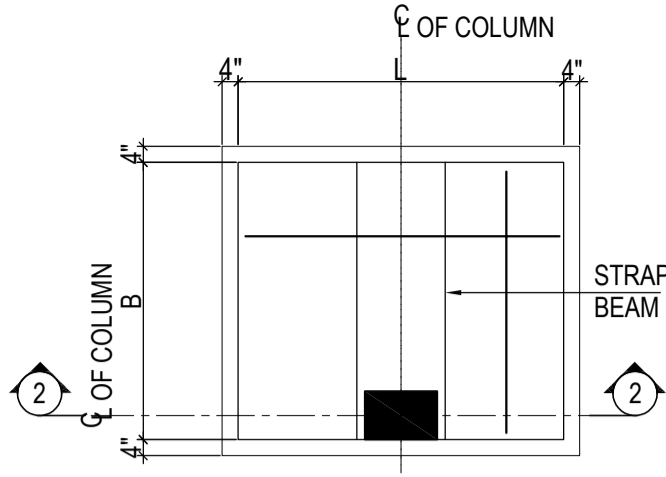
PROJECT :-
PROPOSED G+2 RESIDENTIAL BUILDING

DRAWING TITLE :-
LAYOUT OF FOOTING

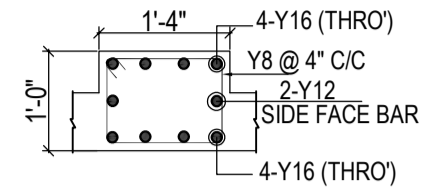
DATE	SHEET	SCALE	DRG.NO
14.02.2026	A3	-	01



TYPICAL PLAN OF FOOTING

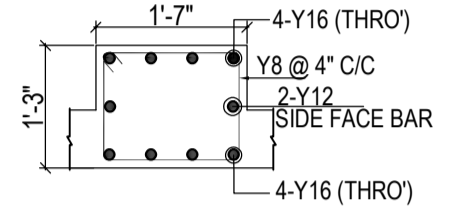


TYPICAL PLAN OF FOOTING WITH STRAP BEAM



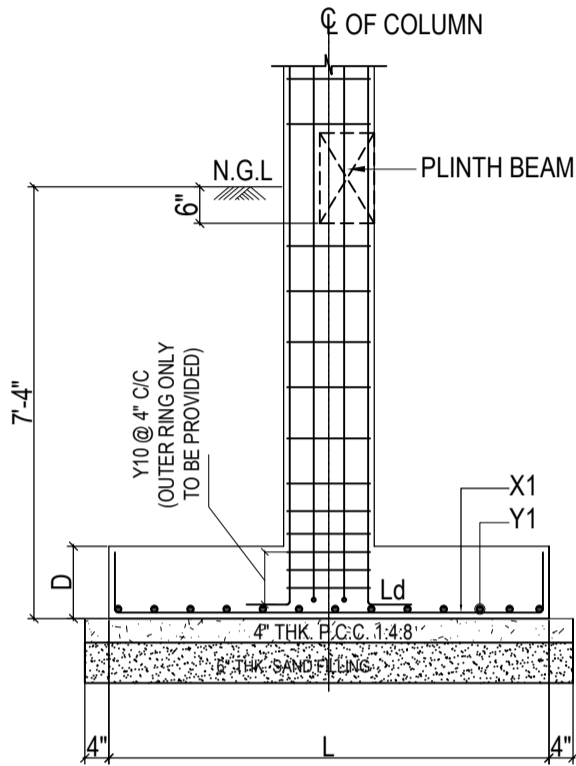
CS OF STRAP BEAM - SB1

(1'-4" x 1'-0")

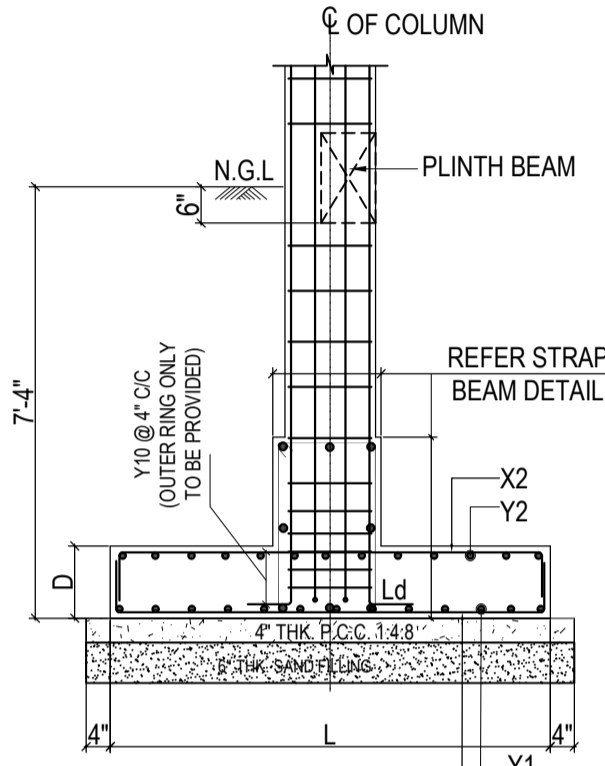


CS OF STRAP BEAM - SB2

(1'-7" x 1'-3")



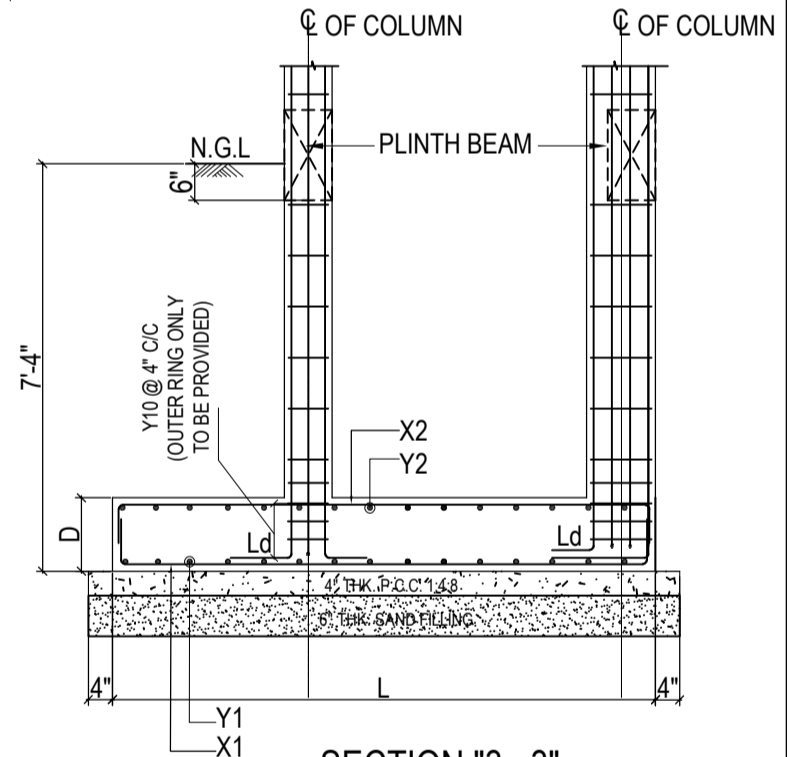
SECTION "1 - 1"



SECTION "2 - 2"

FOOTINGS SCHEDULE

SI.	FOOTING NAME	QTY.	FOOTING SIZE L X B X D	FOOTING REINFORCEMENT X = MAIN REINFORCEMENT Y = DISTRIBUTOR REINFORCEMENT	
				BOTTOM BOTHWAYS (X1 & Y1)	TOP BOTHWAYS (X2 & Y2)
01	F1	01	6'-0" x 6'-0" x 1'-1"	Y12 @ 6" C/C	-
02	F1A	01	6'-0" x 6'-0" x 1'-1"	Y12 @ 6" C/C	Y12 @ 6" C/C
03	F2	01	6'-6" x 6'-6" x 1'-2"	Y12 @ 6" C/C	-
04	F2A	01	6'-6" x 6'-6" x 1'-2"	Y12 @ 6" C/C	Y12 @ 6" C/C
05	F3	01	7'-0" x 7'-0" x 1'-3"	Y12 @ 6" C/C	Y12 @ 6" C/C
06	F4	01	7'-6" x 7'-6" x 1'-4"	Y12 @ 6" C/C	Y12 @ 6" C/C
07	F5	01	8'-6" x 8'-6" x 1'-6"	Y12 @ 6" C/C	-
08	F5A	02	8'-6" x 8'-6" x 1'-6"	Y12 @ 6" C/C	Y12 @ 6" C/C
09	CF1	01	11'-11" x 8'-6" x 1'-6"	Y12 @ 6" C/C	Y12 @ 6" C/C
10	CF2	02	8'-3" x 7'-0" x 1'-6"	Y12 @ 6" C/C	Y12 @ 6" C/C



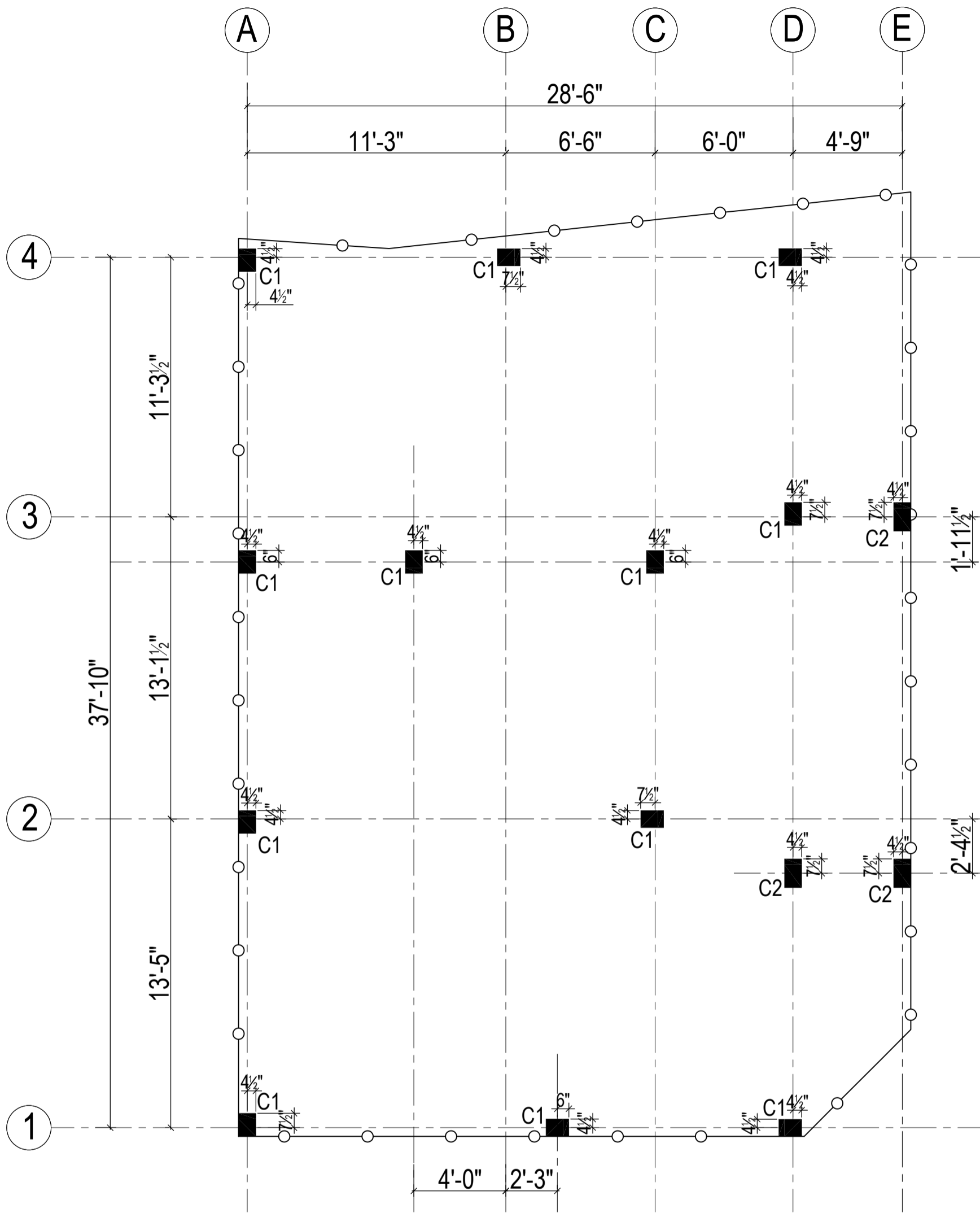
SECTION "3 - 3"

SECTIONAL & RC DETAIL OF FOOTING

GENERAL NOTES:

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- CLEAR COVER FOR REINFORCEMENT
a) FOOTING = 2" b) COLUMN = 1 1/2"
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REV.	DESCRIPTIONS	DRN	CHK	DATE
PROJECT :- PROPOSED G+2 RESIDENTIAL BUILDING				
DRAWING TITLE :- SECTIONAL & RC DETAIL OF FOOTING				
DATE	SHEET	SCALE	DRG.NO	
14.02.2026	A3	-	02	



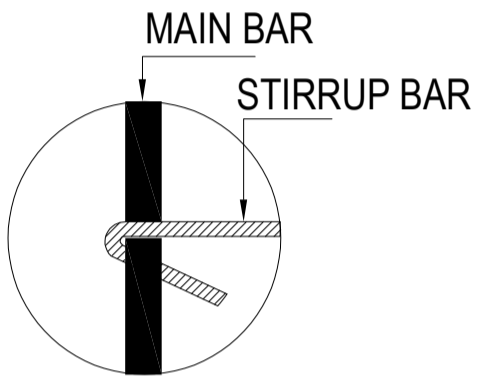
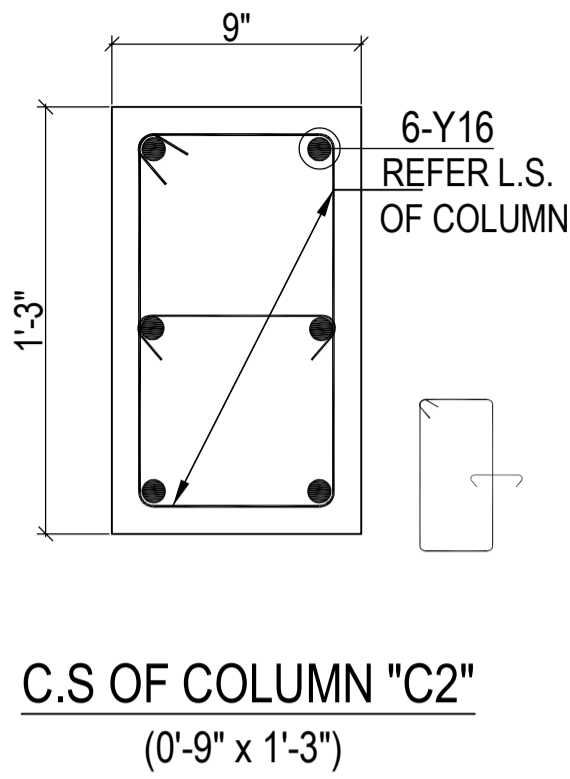
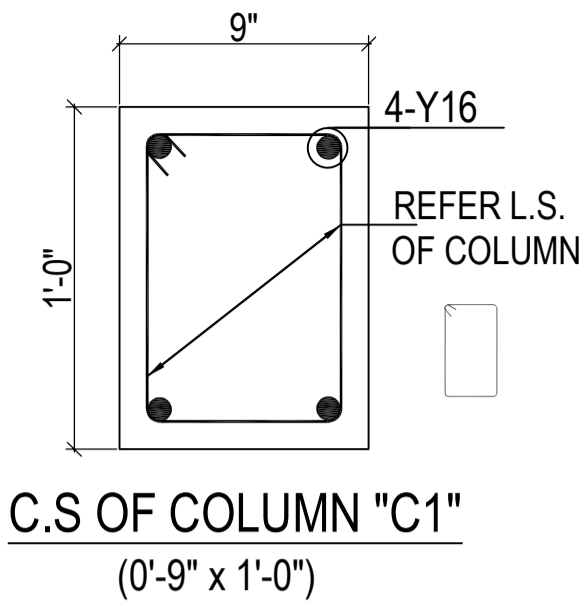
LAYOUT OF COLUMN

COLUMN SCHEDULE		
S.NO.	NAME	SIZE
1.	C1	1'-0" X 0'-9"
2.	C2	1'-3" X 0'-9"

GENERAL NOTES:

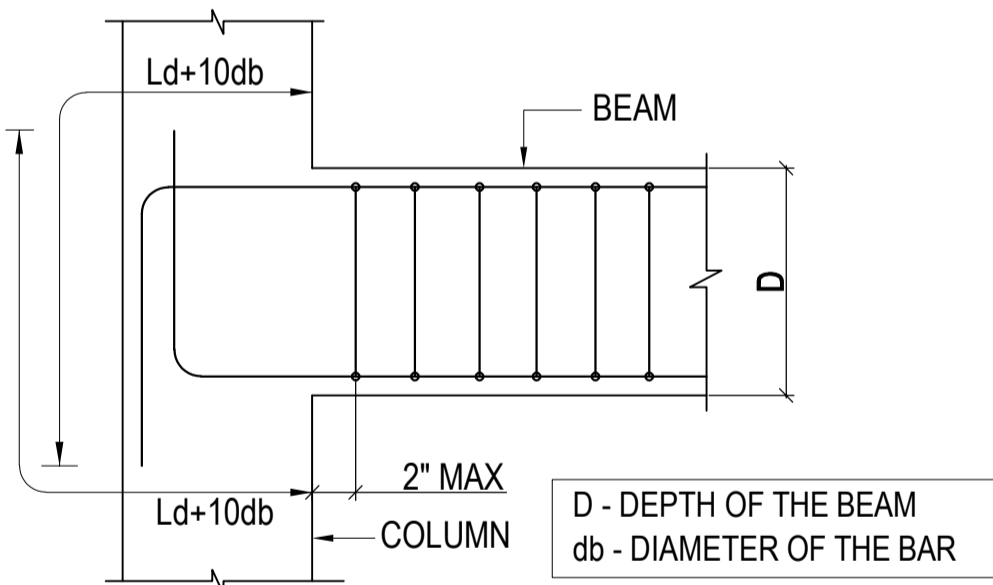
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DRAWING TITLE :- LAYOUT OF COLUMN				
DATE	SHEET	SCALE	DRG.NO	
14.02.2026	A3	-	03	

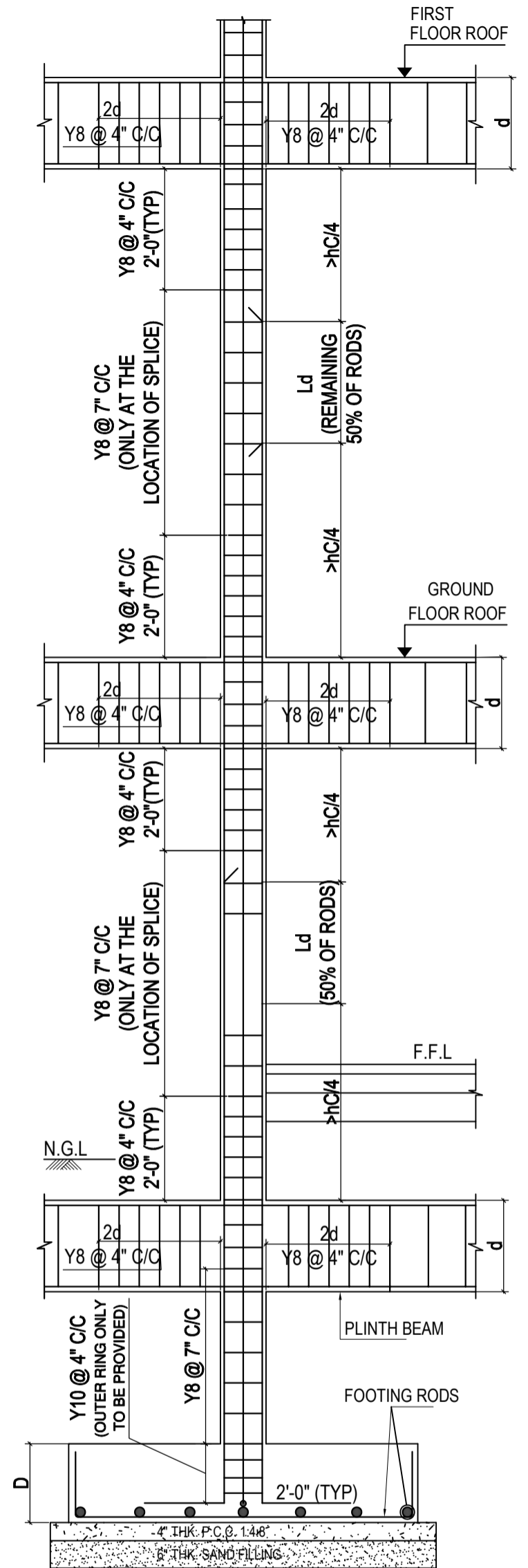


HOOK DETAIL

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



TYP. EXTERNAL JOINT DETAIL AT BEAM-COLUMN JUNCTION



REINFORCEMENT DETAILING COLUMN

SECTIONAL & RC DETAIL OF COLUMN

GENERAL NOTES:

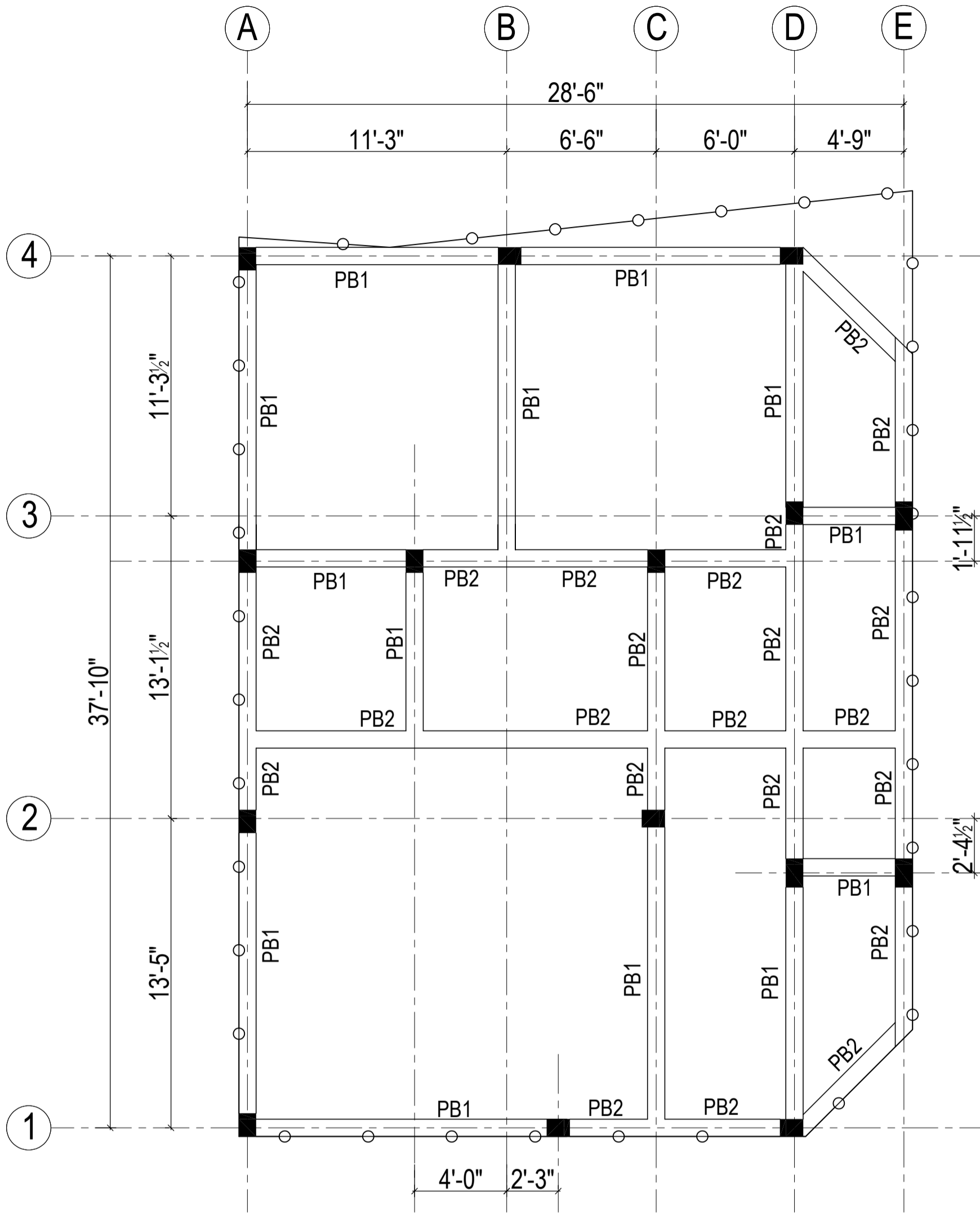
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PROJECT :-
PROPOSED G+2 RESIDENTIAL BUILDING

DRAWING TITLE :-
SECTIONAL & RC DETAIL OF COLUMN

DATE	SHEET	SCALE	DRG.NO
14.02.2026	A3	-	04



LAYOUT OF PLINTH BEAM

BEAM SCHEDULE

S.NO.	NAME	SIZE
1.	PB1	1'-0" X 0'-9"
2.	PB2	1'-3" X 0'-9"

GENERAL NOTES:

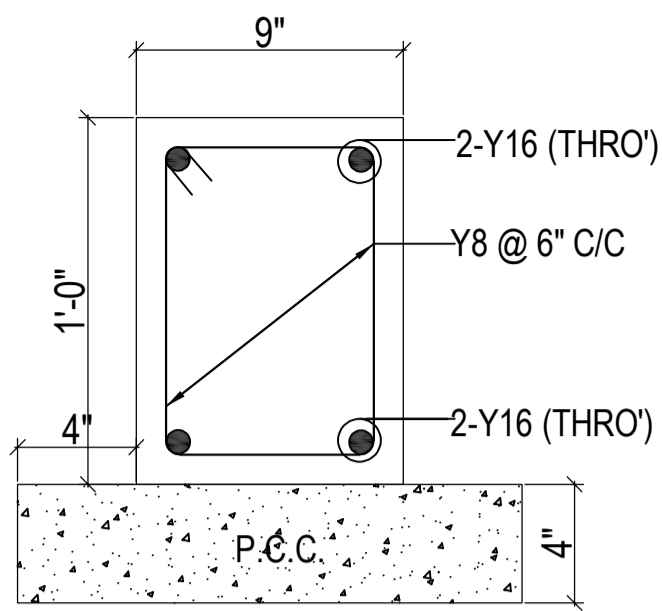
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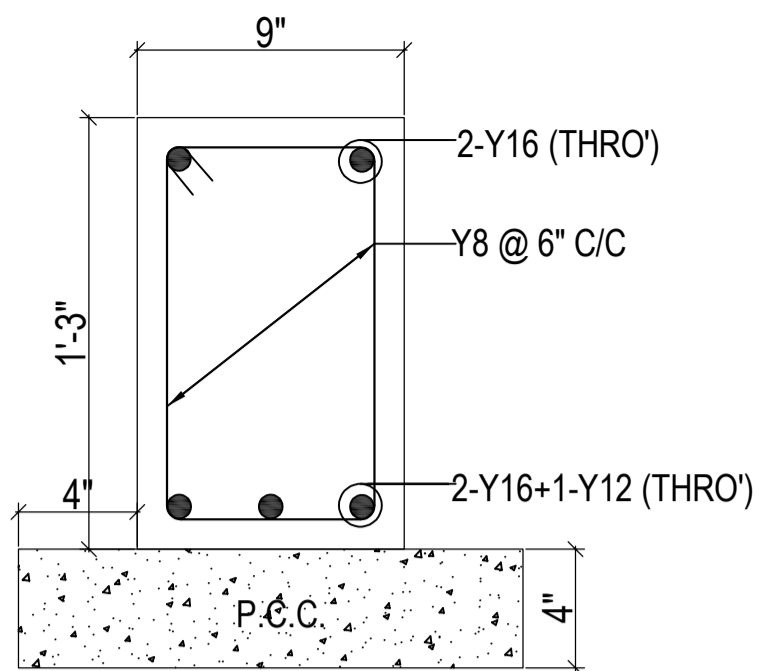
PROJECT :-
PROPOSED G+2 RESIDENTIAL BUILDING

DRAWING TITLE :-
LAYOUT OF PLINTH BEAM

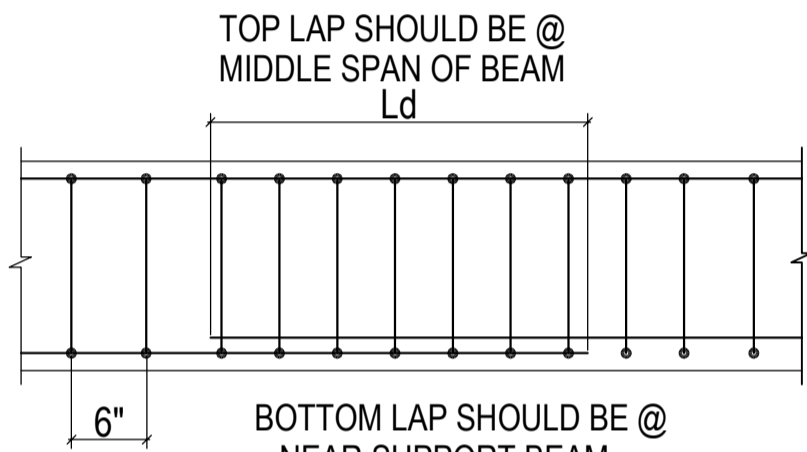
DATE	SHEET	SCALE	DRG.NO
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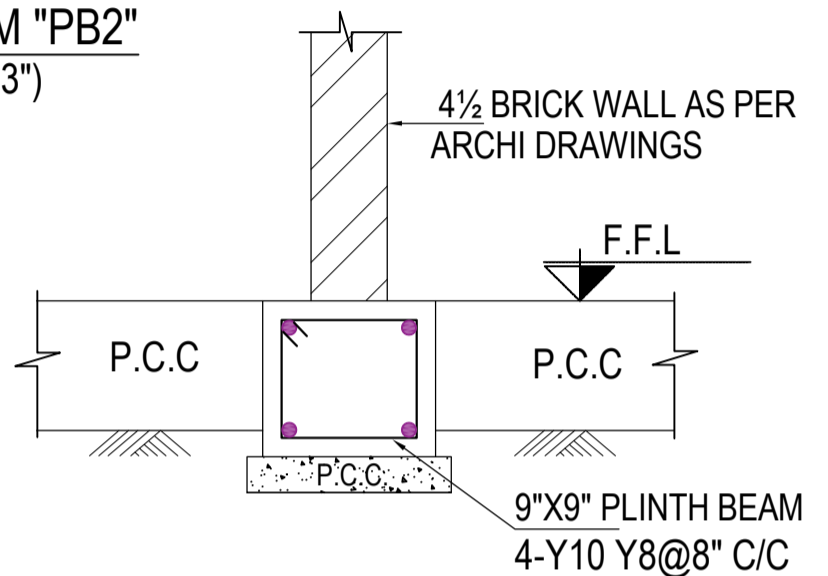
PLINTH BEAM "PB1"
(0'-9" x 1'-0")



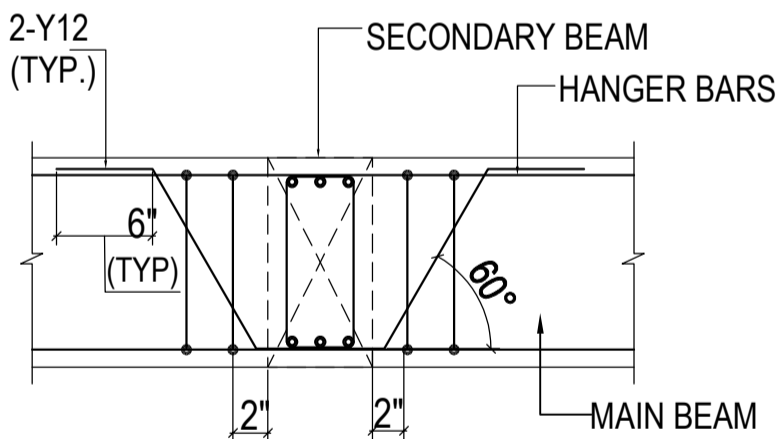
PLINTH BEAM "PB2"
(0'-9" x 1'-3")



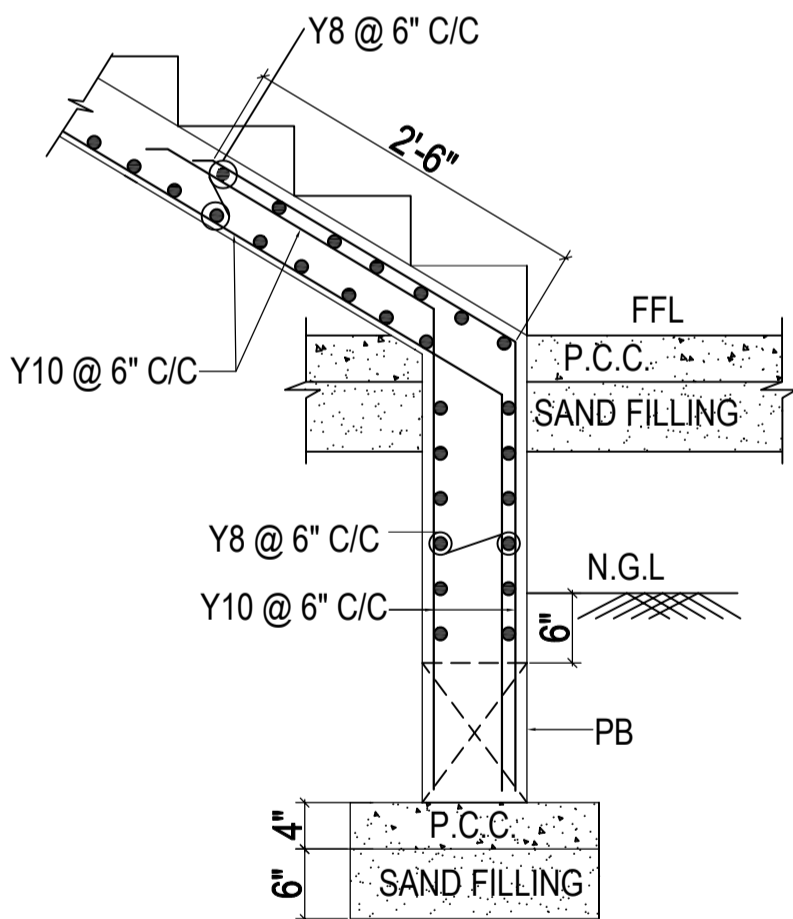
TYP. LAP SPLICE IN BEAM



TYPICAL DETAILS OF PLINTH BEAM UNDERNEATH 4.5" BRICK WORK



TYP. DET. OF HANGER BARS IN MAIN BEAM AT SECONDARY BEAM JUNCTION



TYP. DETAIL OF STAIRCASE DOWELS

GENERAL NOTES:

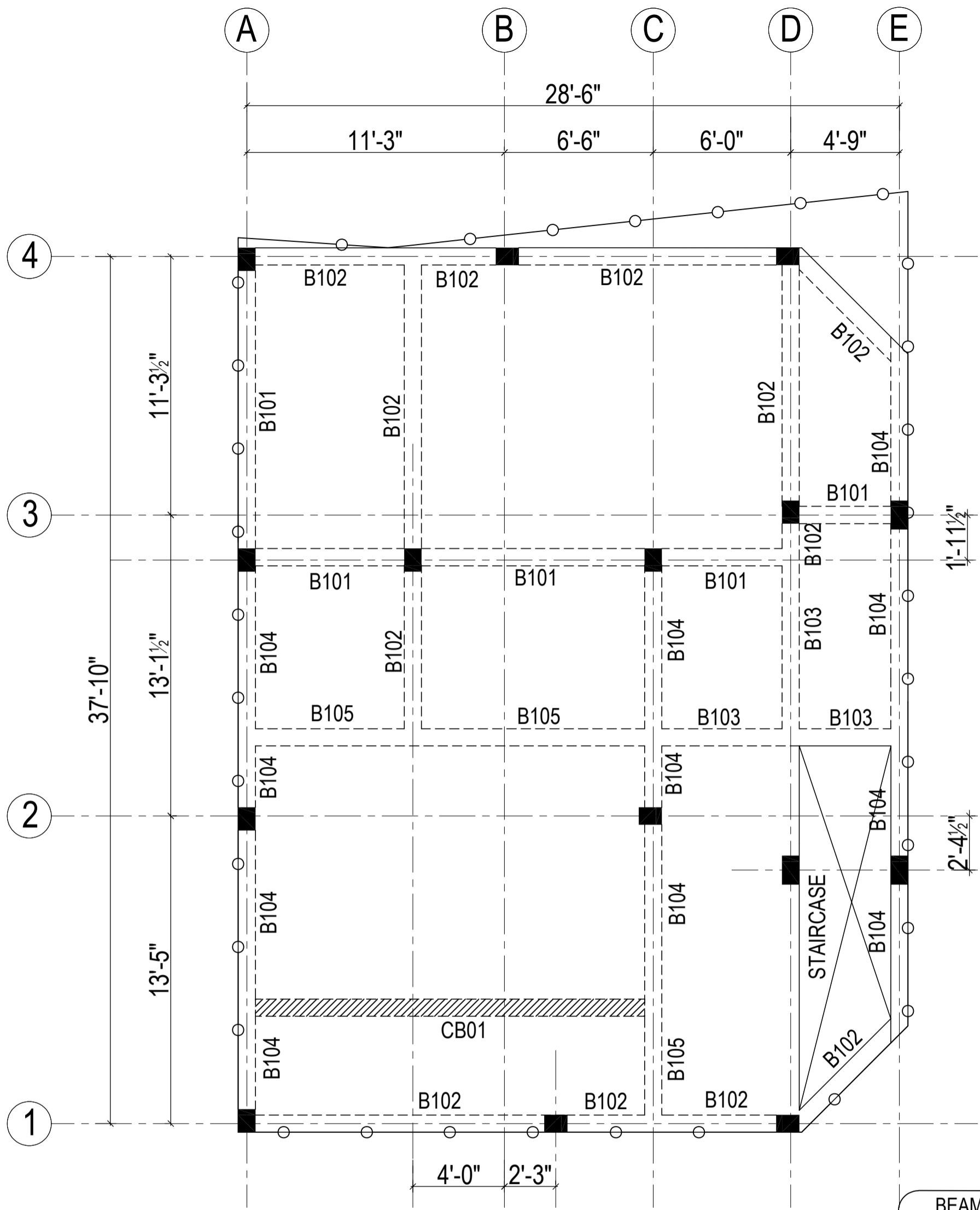
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PROJECT :-
PROPOSED G+2 RESIDENTIAL BUILDING

DRAWING TITLE :-
SECTIONAL & RC OF PLINTH BEAM

DATE	SHEET	SCALE	DRG.NO
14.02.2026	A3	-	06



LAYOUT OF GROUND FLOOR ROOF BEAM

- CONCEALED BEAM

BEAM SCHEDULE		
S.NO.	NAME	SIZE
1.	CB01	1'-6" X 0'-6"
2.	B101	1'-0" X 0'-9"
3.	B102	1'-3" X 0'-9"
4.	B103	1'-3" X 0'-9"
5.	B104	1'-6" X 0'-9"
6.	B105	1'-6" X 0'-9"

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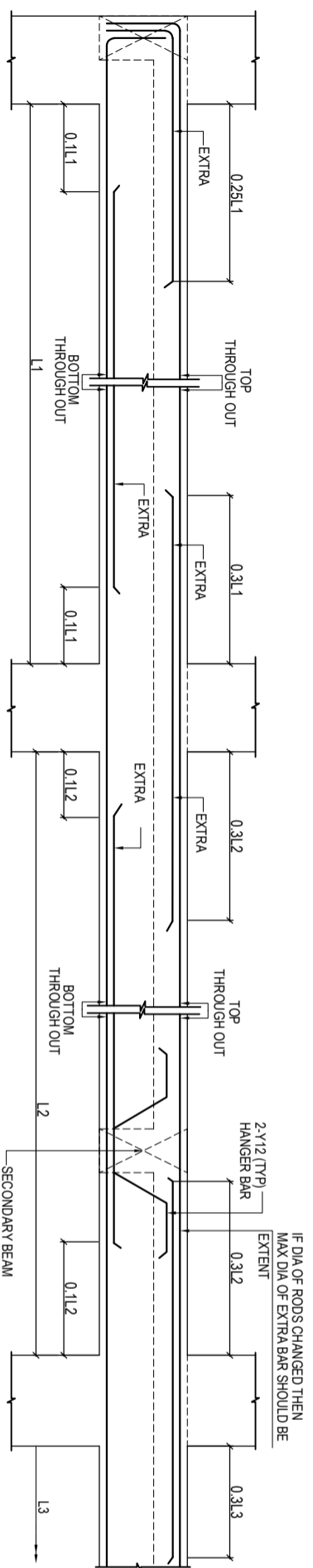
00	ISSUE FOR CONSTRUCTION	MV	G.S	14.02.2026
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REV.	DESCRIPTIONS	DRN	CHK	DATE
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PROJECT :-
PROPOSED G+2 RESIDENTIAL BUILDING

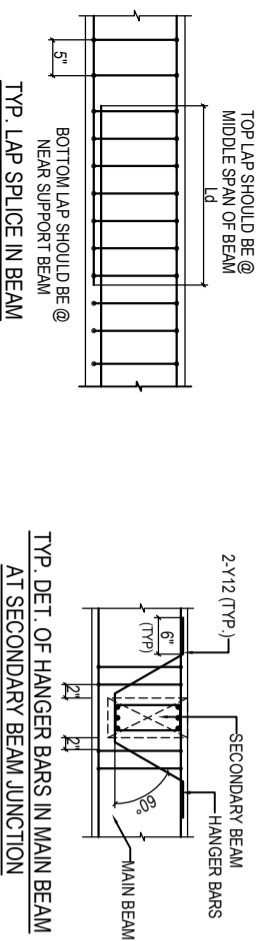
DRAWING TITLE :-
LAYOUT OF GROUND FLOOR ROOF BEAM

DATE	SHEET	SCALE	DRG.NO
14.02.2026	A3	-	07

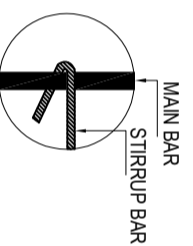
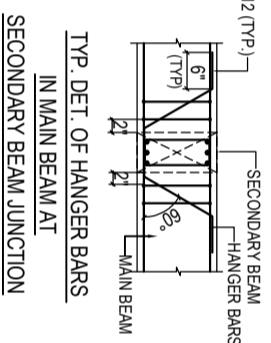


TYPICAL L.S. OF BEAM

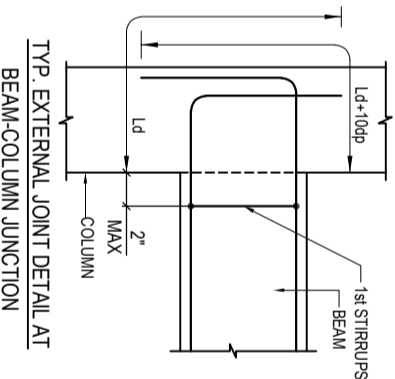
NAME	AT SUPPORT	AT MID SPAN
CB01 (1'-6" X 0'-6")		
B101 (0'-9" X 1'-0")		
B102 (0'-9" X 1'-3")		
B103 (0'-9" X 1'-3")		



NAME	AT SUPPORT	AT MID SPAN
B104 (0'-9" X 1'-6")		
B105 (0'-9" X 1'-6")		



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



GENERAL NOTES:

- REMOVAL OF FORMWORK (SHUTTERING):**
SHUTTERING OF ANY PART OF THE STRUCTURE SHALL NOT BE REMOVED UNTIL THE CONCRETE ATTAINS 70% THE SPECIFIED STRENGTH OF CONCRETE. HOWEVER, THE FOLLOWING MINIMUM PERIOD AFTER FINAL POUR SHALL BE ALLOWED BEFORE REMOVAL OF SHUTTERING AS PER CLAUSE 11.3.1, IS: 456:2000
- A) VERTICAL SIDE OF SHUTTERING OF COLUMNS/WALLS
LAP JOINTS FOR REINFORCEMENT BARS:
i) AT ANY CROSS SECTION OF THE MEMBER NOT MORE THAN 50% THE BARS SHALL BE LAPPED.
ii) BARS SHALL BE STAGGERED WITH A MINIMUM CENTRE TO CENTRE DISTANCE OF 1.3 TIMES LAP LENGTH OF THE BAR FOR TENSION & COMPRESSION MEMBERS.
iii) DEVELOPMENT LENGTH (Ld) SHALL BE AS PER (SP-34:1999) TABLE BELOW:
a) DEVELOPMENT LENGTH FOR COLUMN BARS: 40D
b) DEVELOPMENT LENGTH FOR BEAM BARS: 50D
iv) LAPS IN COLUMNS SHALL BE PROVIDED AT MID HEIGHT OF FLOOR AND NOT AT SLAB LEVEL.
v) DETAILING OF REBARS SHALL CONFORM TO SP-34 & IS 13020
- EXCAVATION AND BACKFILL**
i) BACKFILL FOR FOUNDATIONS AND PITS SHALL BE PLACED EVENLY LAYERS OF 300 mm THICKNESS AND SHALL BE WELL COMPACTED. THE FILL SHALL CONTAIN NO STONES WITH A DIAMETER GREATER THAN 100 mm. THE DEGREE OF COMPACTION OF BACKFILL SHALL BE 95% OF THE MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT OBTAINED BY THE MODIFIED PROCTOR COMPACTION TEST.
ii) UNSUITABLE MATERIALS LIKE ROCKS/ EXISTING FOOTINGS ARE DETECTED BELOW FOUNDATION LEVEL IN AREAS OF CUT SHALL BE EXCAVATED TO FIRM GROUND. THE RESULTANT EXCAVATION SHALL BE FILLED TO THE REQUIRED LEVELS WITH MASS CONCRETE GRADE M10. ALSO WHEREVER EXCAVATION OCCURS BELOW THE FOUNDATION LEVEL, STAINED ON THE DESIGN DRAWING THE RESULTING VOID SHALL BE BACK FILLED WITH MASS CONCRETE GRADE: M10.
iii) BEFORE CASTING FOUNDATIONS, ANY IMMEDIATE OR ADJACENT AREAS OF DISTURBED OR SOFT SOIL MUST BE REMOVED AND REPLACED WITH MASS CONCRETE OF GRADE: M10

GENERAL NOTES:

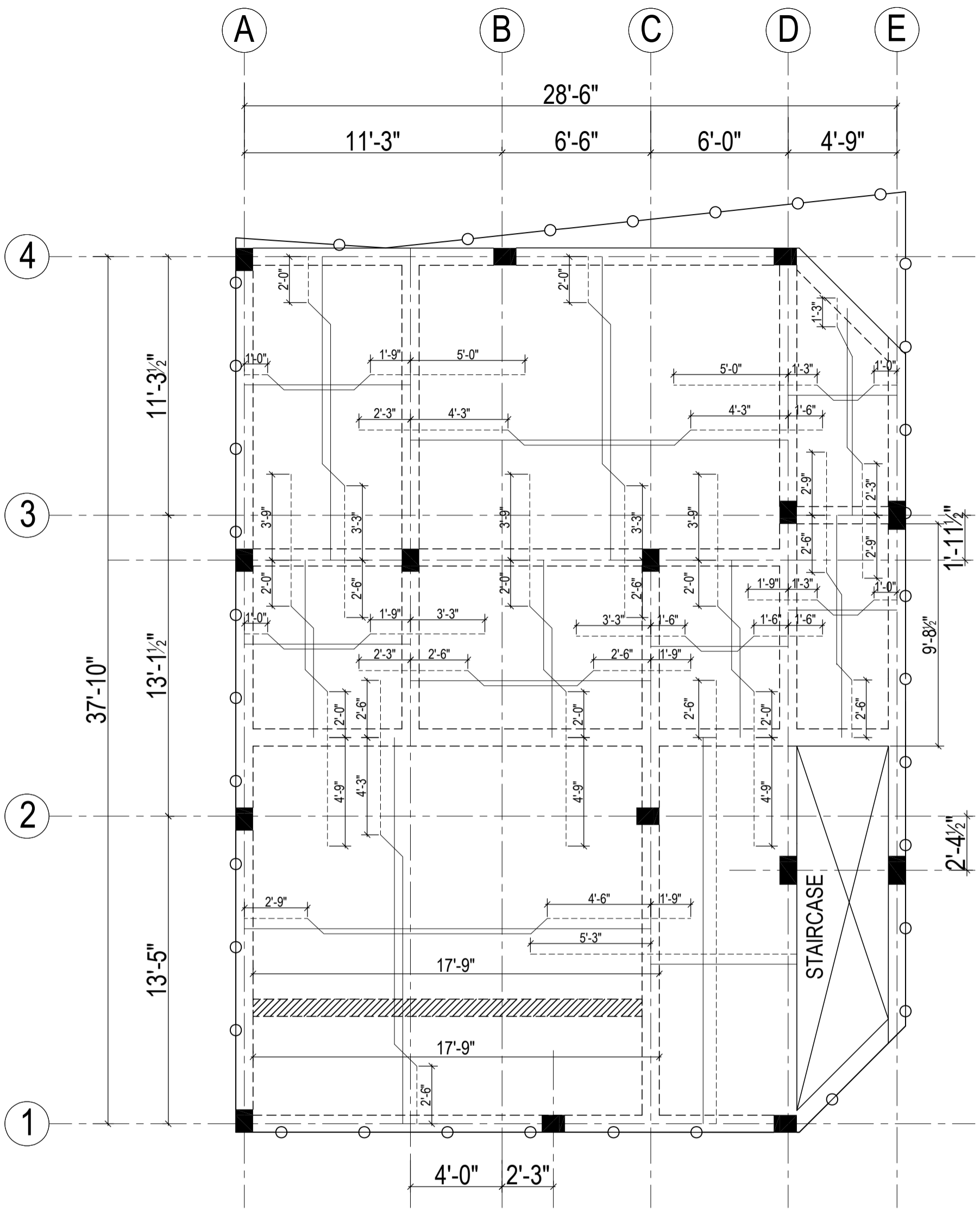
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00	ISSUE FOR CONSTRUCTION	M.V	G.S	14.02.2026

PROJECT :-
PROPOSED G+2 RESIDENTIAL BUILDING

DRAWING TITLE :-
RC DETAILS OF GROUND FLOOR ROOF BEAM

DATE	SHEET	SCALE	JOB NO	DRG.NO
14.02.2026	A3	-	*****	008



LAYOUT OF GROUND FLOOR ROOF SLAB

SLAB SCHEDULE	
SLAB NO.	REINFORCEMENT BOTHWAYS
S1	6" THK. Y8 @ 6" C/C (T & B)

GENERAL NOTES:

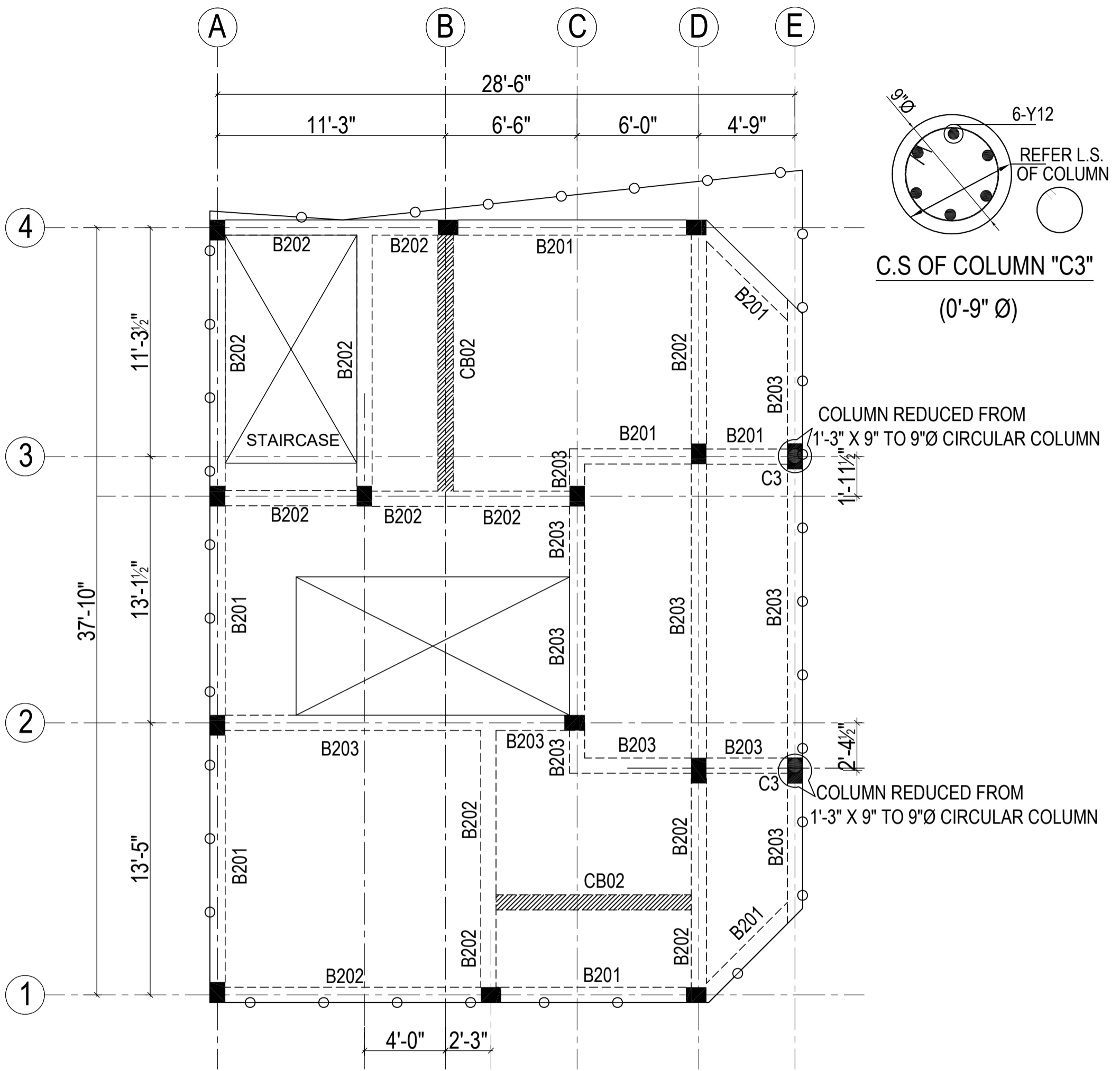
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DRAWING TITLE :-
LAYOUT OF GROUND FLOOR ROOF SLAB

DATE	SHEET	SCALE	DRG.NO
14.02.2026	A3	-	09



C.S OF COLUMN "C3"
(0'-9" Ø)

COLUMN REDUCED FROM
1'-3" X 9" TO 9"Ø CIRCULAR COLUMN

COLUMN REDUCED FROM
1'-3" X 9" TO 9"Ø CIRCULAR COLUMN

LAYOUT OF FIRST FLOOR ROOF BEAM

- CONCEALED BEAM

BEAM SCHEDULE			
S.NO.	NAME	SIZE	
1.	CB02	1'-0" X 0'-6"	
2.	B201	1'-0" X 0'-9"	
3.	B202	1'-3" X 0'-9"	
4.	B203	1'-6" X 0'-9"	

GENERAL NOTES:

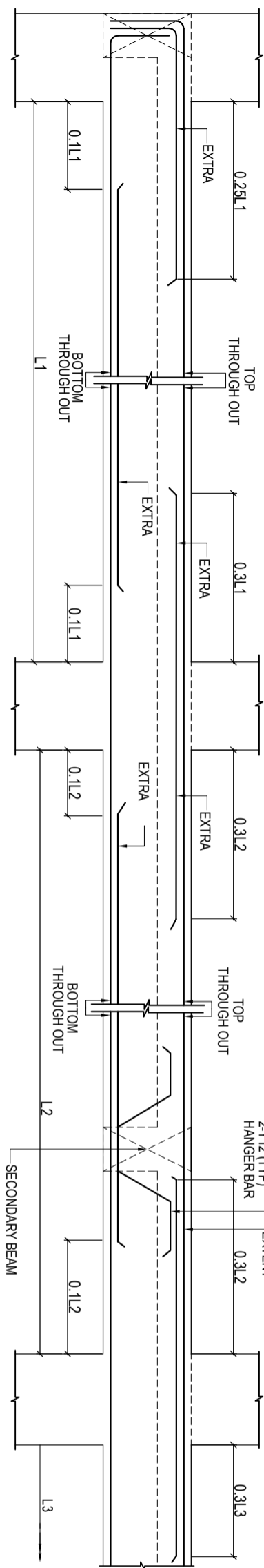
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DATE	SHEET	SCALE	DRG.NO
14.02.2026	A3	-	10

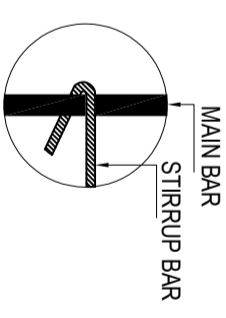
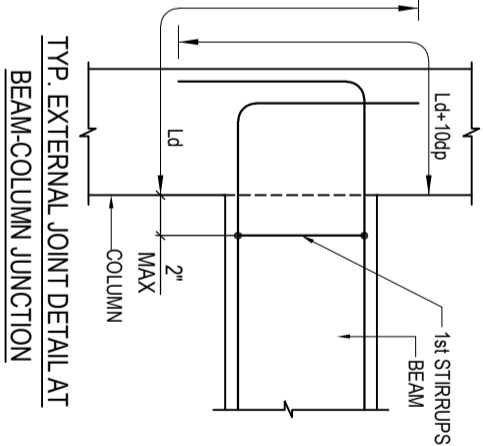
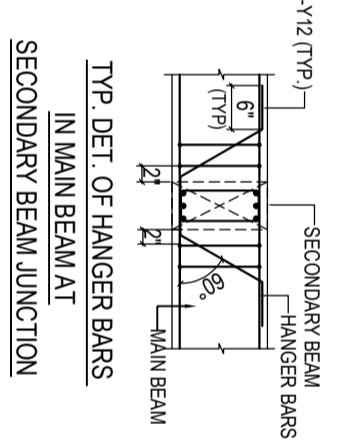
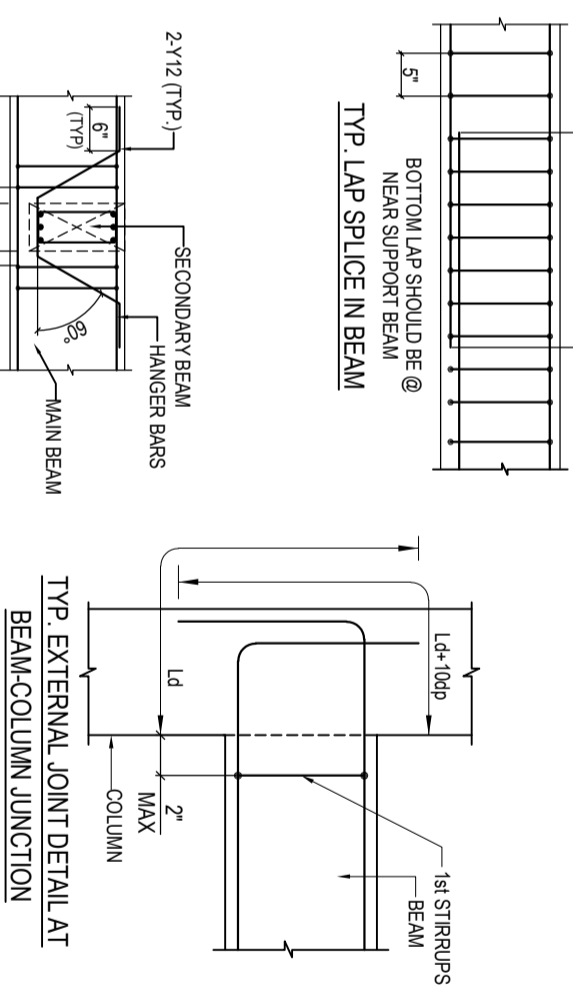


TYPICAL L.S OF BEAM

NAME	AT SUPPORT	AT MID SPAN
CB02 (1'-0" X 0'-6")	<p>5-Y16 (THRO) Y8 @ 4" C/C 5-Y20 (THRO)</p>	<p>5-Y16 (THRO) Y8 @ 6" C/C 5-Y20 (THRO)</p>
B201 (0'-9" X 1'-0")	<p>2-Y16 (THRO) 1-Y12 (EXTRA) Y8 @ 4" C/C 2-Y16 (THRO)</p>	<p>2-Y16 (THRO) 1-Y12 (EXTRA) Y8 @ 6" C/C 2-Y16 (THRO)</p>
B202 (0'-9" X 1'-3")	<p>2-Y16 (THRO) 1-Y16 (EXTRA) Y8 @ 4" C/C 2-Y16 (THRO)</p>	<p>2-Y16 (THRO) 1-Y16 (EXTRA) Y8 @ 6" C/C 2-Y16 (THRO)</p>
B203 (0'-9" X 1'-6")	<p>2-Y16 (THRO) 1-Y16 (EXTRA) Y8 @ 4" C/C 2-Y16 (THRO)</p>	<p>2-Y16 (THRO) 1-Y16 (EXTRA) Y8 @ 6" C/C 2-Y16 (THRO)</p>

GENERAL NOTES:
REMOVAL OF FORMWORK (SHUTTERING):
 SHUTTERING OF ANY PART OF THE STRUCTURE SHALL NOT BE REMOVED UNTIL THE CONCRETE ATTAINS 70% THE SPECIFIED STRENGTH OF CONCRETE. HOWEVER, THE FOLLOWING MINIMUM PERIOD AFTER FINAL POUR, SHALL BE ALLOWED BEFORE REMOVAL OF SHUTTERING AS PER CLAUSE 11.3.1, IS:456:2000
 A) VERTICAL SIDE OF SHUTTERING OF COLUMNS WALLS
 LAP JOINTS FOR REINFORCEMENT BARS:
 1) AT ANY CROSS SECTION OF THE MEMBER NOT MORE THAN 50% THE BARS SHALL BE LAPPED.
 2) LAPS SHALL BE STAGGERED WITH A MINIMUM CENTRE TO CENTRE DISTANCE OF 1.3 TIMES LAP LENGTH OF THE BAR FOR TENSION & COMPRESSION MEMBERS.
 3) DEVELOPMENT LENGTH (Ld) SHALL BE AS PER (SP-34:1999) TABLE BELOW:
 a) DEVELOPMENT LENGTH FOR COLUMNS BARS - 40D
 b) DEVELOPMENT LENGTH FOR BEAM BARS - 30D
 4) LAPS IN COLUMNS SHALL BE PROVIDED AT MID HEIGHT OF FLOOR AND NOT AT SLAB LEVEL.
 5) DETAILING OF REBARS SHALL CONFORM TO SP-34 & IS:13020
EXCAVATION AND BACKFILL
 1) BACKFILL FOR FOUNDATIONS AND PITS SHALL BE PLACED EVENLY LAYERS OF 300 mm THICKNESS AND SHALL BE WELL COMPACTED THE FILL SHALL CONTAIN NO STONES WITH A DIAMETER GREATER THAN 100 mm. THE DEGREE OF COMPACTION OF BACKFILL SHALL BE 95% OF THE MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT OBTAINED BY THE MODIFIED PROCTOR COMPACTION TEST.
 11) UNSUITABLE MATERIALS LIKE ROCKS/ EXISTING FOOTINGS ARE DETECTED BELOW FOUNDATION LEVEL IN AREAS OF CUT SHALL BE EXCAVATED TO FIRM GROUND. THE RESULTANT EXCAVATION SHALL BE FILLED TO THE REQUIRED LEVELS WITH MASS CONCRETE GRADE M10. ALSO WHEREVER EXCAVATION OCCURS BELOW THE FOUNDATION LEVEL, STAINED ON THE DESIGN DRAWING THE RESULTING VOID SHALL BE BACK FILLED WITH MASS CONCRETE GRADE-10.
 111) BEFORE CASTING FOUNDATIONS, ANY IMMEDIATE OR ADJACENT AREAS OF DISTURBED OR SOFT SOIL MUST BE REMOVED AND REPLACED WITH MASS CONCRETE OF GRADE 10.

GENERAL NOTES:
 1. ALL DIMENSIONS ARE IN FOOT UNITS.
 2. CONCRETE GRADE SHALL BE M25 CONFORMING TO IS 456:2000
 3. GRADE OF REINFORCEMENT SHALL BE Fe 550 CONFORMING TO IS 1786:2008
 4. CLEAR COVER FOR REINFORCEMENT
 a) FOOTING = 2" b) COLUMN = 1"
 5. READ THIS DRG. IN ALONG WITH ARCH.DRGS.
 6. COLUMNS AND FOOTINGS ARE DESIGNED FOR G+2 FLOOR GRAVITY LOADS AND SBC OF THE SOIL IS 110 KNSQM. @ 7'-4" BELOW N.G.L AS PER SOIL REPORT
 7. STRUCTURAL ENGINEER RESPONSIBILITY IS LIMITED TO DESIGN & ISSUAL OF STRUCTURAL DRAWING ONLY
 8. ONUS OF CONSTRUCTION LIES WITH CONTRACTOR/OWNER



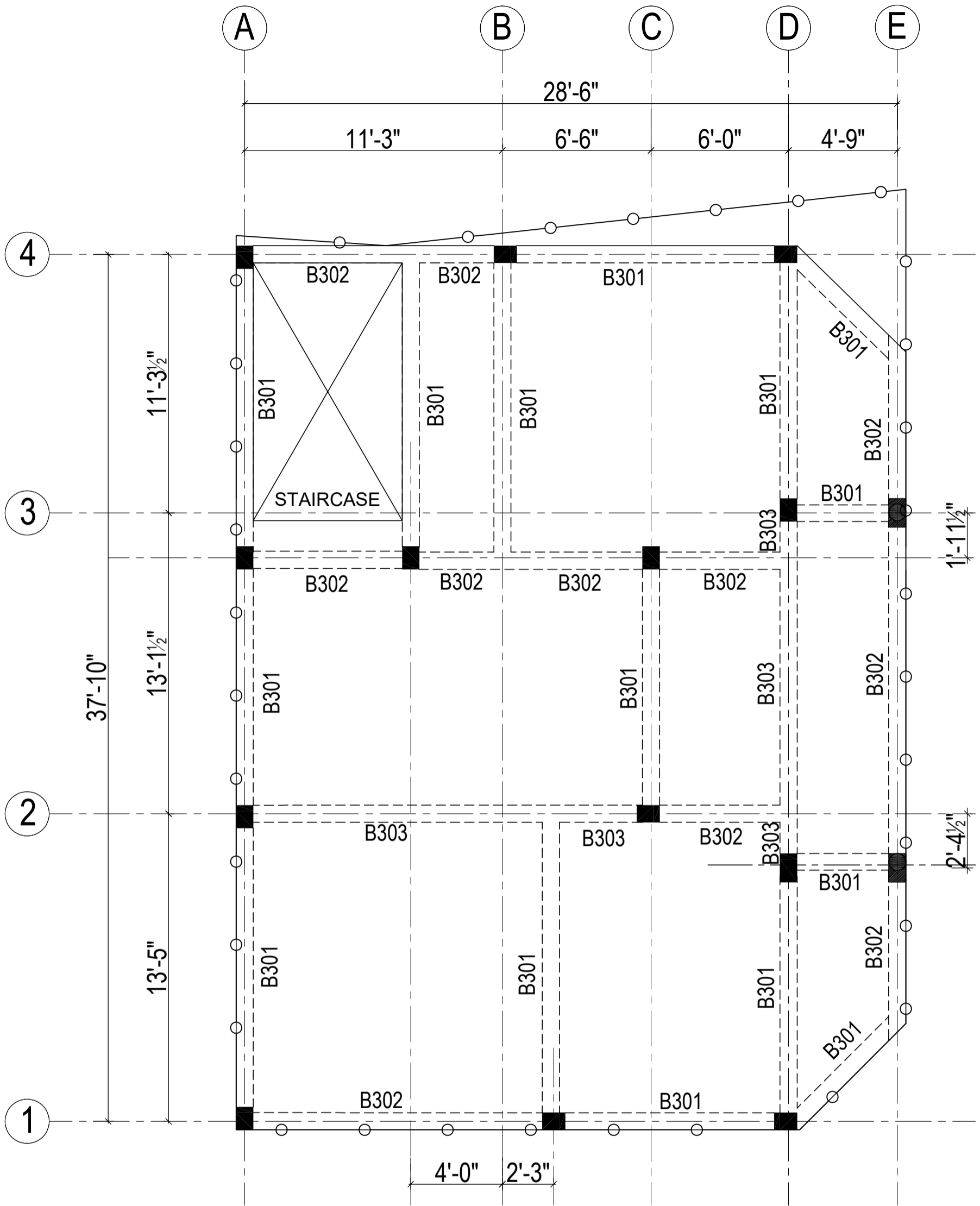
ALL HOOKS SHOULD BE BENT TO AN ANGLE OF 135° WITH A LENGTH NOT LESS THAN 75 MM

PROJECT :-
PROPOSED G+2 RESIDENTIAL BUILDING

REV.	DESCRIPTIONS	DRN	CHK	DATE
00	ISSUE FOR CONSTRUCTION	M.V	G.S	14.02.2026

DRAWING TITLE :-
RC DETAILS OF FIRST FLOOR ROOF BEAM

DATE	SHEET	SCALE	JOB NO	DRG.NO
14.02.2026	A3	-	*****	011



LAYOUT OF SECOND FLOOR ROOF BEAM

BEAM SCHEDULE		
S.NO.	NAME	SIZE
1.	B301	1'-0" X 0'-9"
2.	B302	1'-3" X 0'-9"
3.	B303	1'-6" X 0'-9"

GENERAL NOTES:

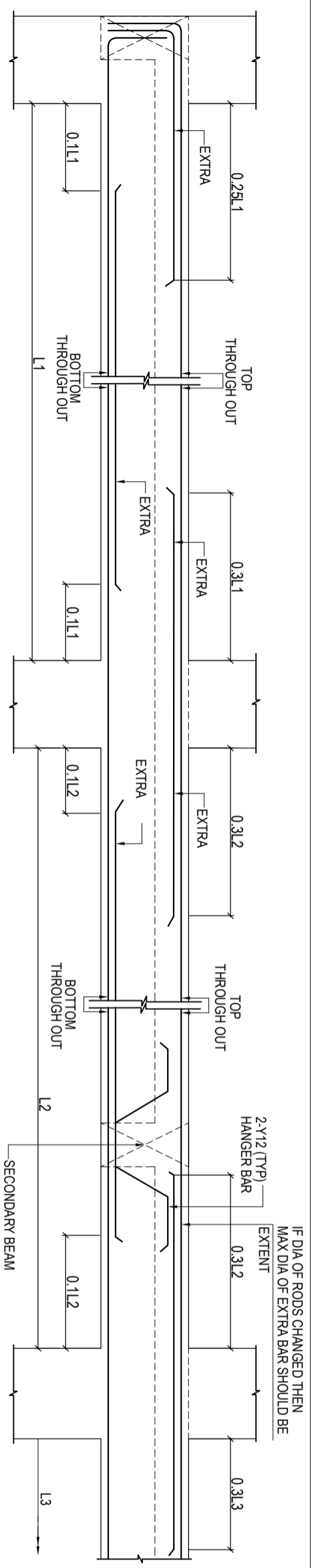
- ALL DIMENSIONS ARE IN FOOT UNITS.
- CONCRETE GRADE SHALL BE M25 CONFIRMING TO IS 456:2000
- GRADE OF REINFORCEMENT SHALL BE Fe 550 CONFIRMING TO IS 1786-2008
- CLEAR COVER FOR REINFORCEMENT
 - a) FOOTING = 2" b) COLUMN = 1 1/2"
- READ THIS DRG. IN ALONG WITH ARCH.DRGS.
- COLUMNS AND FOOTINGS ARE DESIGNED FOR G+2 FLOOR LOADS AND SBC OF THE SOIL IS - 110KN/SQM. @ 7'-4" BELOW N.G.L AS PER SOIL REPORT
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- ONUS OF CONSTRUCTION LIES WITH CONTRACTOR/OWNER

00	ISSUE FOR CONSTRUCTION	MV	G.S	14.02.2026
REV.	DESCRIPTIONS	DRN	CHK	DATE

PROJECT :-
PROPOSED G+2 RESIDENTIAL BUILDING

DRAWING TITLE :-
LAYOUT OF SECOND FLOOR ROOF BEAM

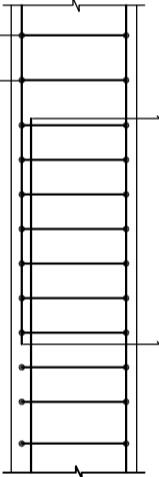
DATE	SHEET	SCALE	DRG.NO
14.02.2026	A3	-	13



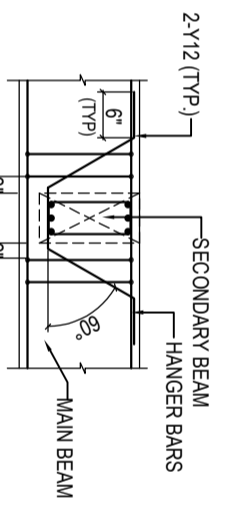
TYPICAL L.S OF BEAM

NAME	AT SUPPORT	AT MID SPAN
B301 (0'-9" X 1'-0")		
B302 (0'-9" X 1'-3")		
B303 (0'-9" X 1'-6")		

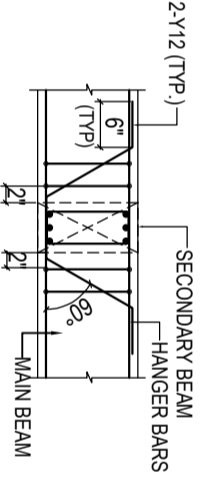
TOP LAP SHOULD BE @
MIDDLE SPAN OF BEAM



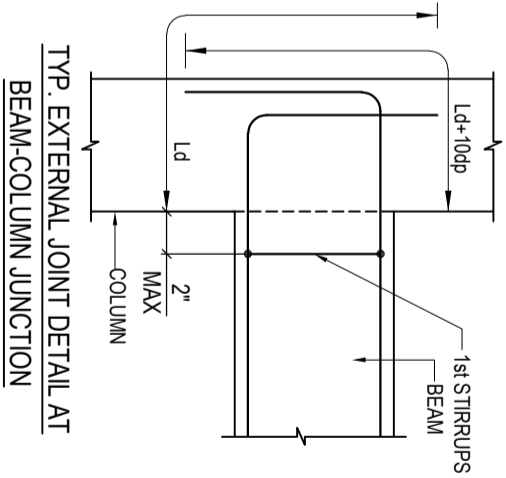
TYP. LAP SPLICE IN BEAM



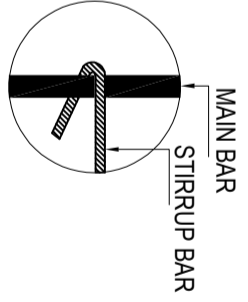
TYP. DET. OF HANGER BARS IN MAIN BEAM
AT SECONDARY BEAM JUNCTION
(VARY DEPTH)



TYP. DET. OF HANGER BARS
IN MAIN BEAM AT
SECONDARY BEAM JUNCTION



TYP. EXTERNAL JOINT DETAIL AT
BEAM-COLUMN JUNCTION



HOOK DETAIL

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

GENERAL NOTES:

- REMOVAL OF FORMWORK (SHUTTERING):**
SHUTTERING OF ANY PART OF THE STRUCTURE SHALL NOT BE REMOVED UNTIL THE CONCRETE ATTAINS 70% THE SPECIFIED STRENGTH OF CONCRETE. HOWEVER THE FOLLOWING MINIMUM PERIOD AFTER FINAL POUR SHALL BE ALLOWED BEFORE REMOVAL OF SHUTTERING AS PER CLAUSE 11.3.1, IS 456:2000
- A) VERTICAL SIDE OF SHUTTERING OF COLUMNS WALLS
LAP JOINTS FOR REINFORCEMENT BARS:
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3) DEVELOPMENT LENGTH (Ld) SHALL BE AS PER (SP-34:1999) TABLE BELOW:
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b) DEVELOPMENT LENGTH FOR BEAM BARS - 50D
4) LAPS IN COLUMNS SHALL BE PROVIDED AT MID HEIGHT OF FLOOR AND NOT AT SLAB LEVEL.
5) DETAILING OF REBARS SHALL CONFORM TO SP-34 & IS 13020
- EXCAVATION AND BACKFILL**
1) BACKFILL FOR FOUNDATIONS AND PITS SHALL BE PLACED EVENLY LAYERS OF 300 mm THICKNESS AND SHALL BE WELL COMPACTED THE FILL SHALL CONTAIN NO STONES WITH A DIAMETER GREATER THAN 100 mm. THE DEGREE OF COMPACTION OF BACKFILL SHALL BE 95% OF THE MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT OBTAINED BY THE MODIFIED PROCTOR COMPACTION TEST.
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GENERAL NOTES:

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3. GRADE OF REINFORCEMENT SHALL BE Fe 550 CONFORMING TO IS 1786-2008
4. CLEAR COVER FOR REINFORCEMENT
a) FOOTING = 2" b) COLUMN = 1"
5. READ THIS DRG. IN ALONG WITH ARCH.DRGS.
6. COLUMNS AND FOOTINGS ARE DESIGNED FOR G+2 FLOOR GRAVITY LOADS AND SBC OF THE SOIL IS 110 KNSQ/M. @ 7'-4" BELOW N.G.L AS PER SOIL REPORT
7. STRUCTURAL ENGINEER RESPONSIBILITY IS LIMITED TO DESIGN & ISSUAL OF STRUCTURAL DRAWING ONLY
8. ONUS OF CONSTRUCTION LIES WITH CONTRACTOR/OWNER

REV.	DESCRIPTIONS	DRN	CHK	DATE
00	ISSUE FOR CONSTRUCTION	M.V	G.S	14.02.2026

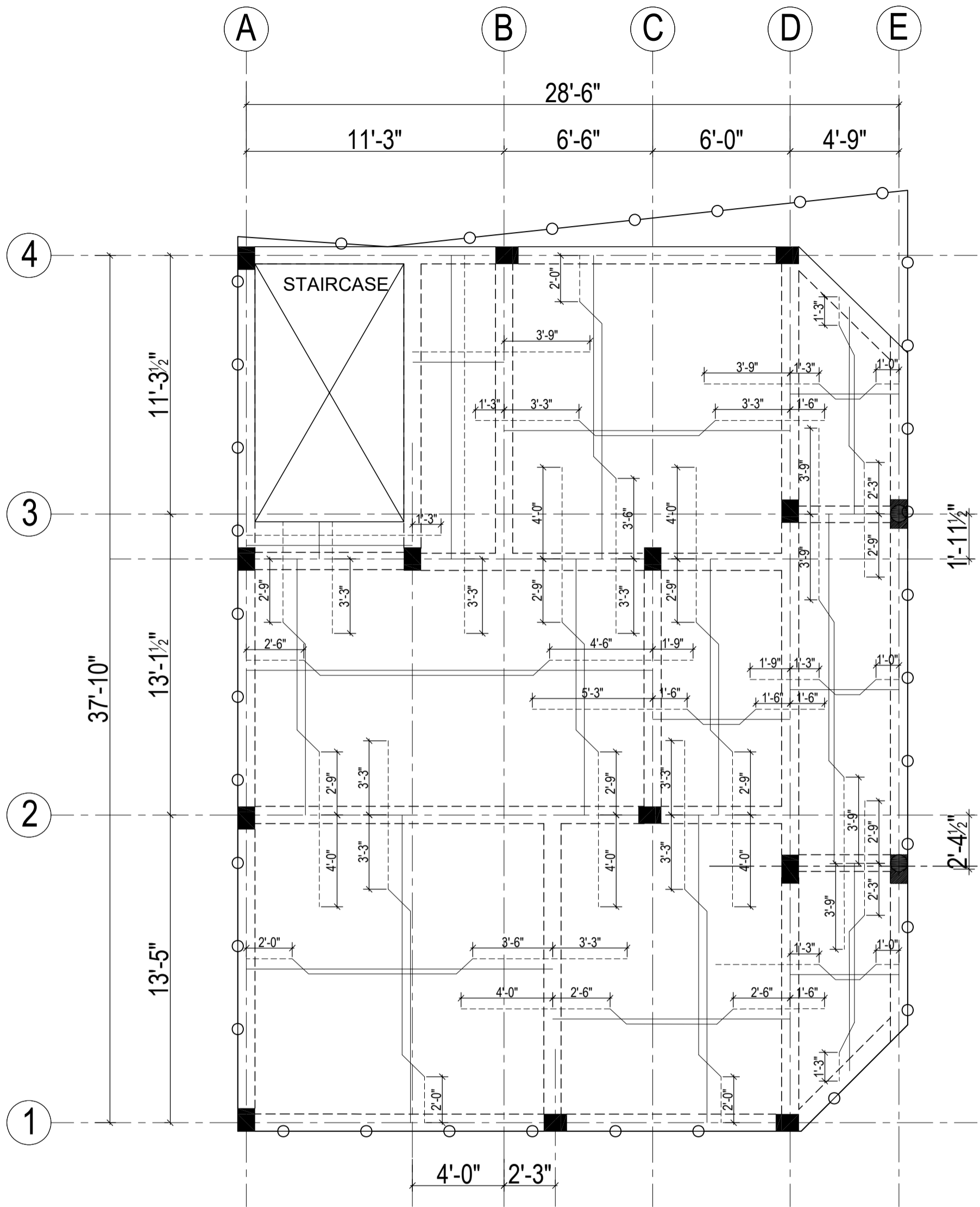
PROJECT :-

PROPOSED G+2 RESIDENTIAL BUILDING

DRAWING TITLE :-

RC DETAILS OF SECOND FLOOR ROOF BEAM

DATE	SHEET	SCALE	JOB NO	DRG.NO
14.02.2026	A3	-	*****	014



LAYOUT OF SECOND FLOOR ROOF SLAB

SLAB SCHEDULE	
SLAB NO.	REINFORCEMENT BOTHWAYS
S1	6" THK. Y8 @ 6" C/C (T & B)

GENERAL NOTES:

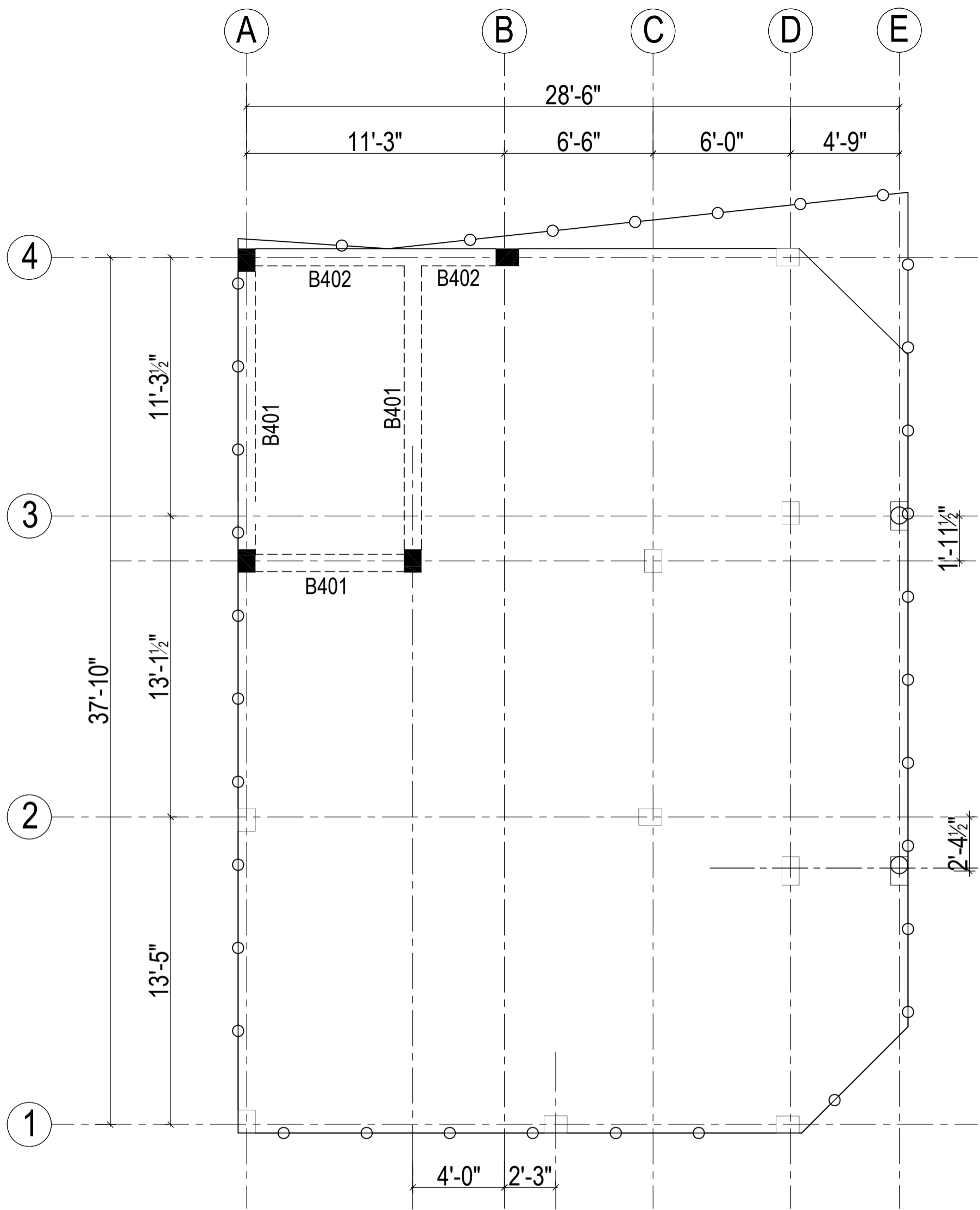
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- GRADE OF REINFORCEMENT SHALL BE Fe 550 CONFIRMING TO IS 1786-2008
- CLEAR COVER FOR REINFORCEMENT
 - a) FOOTING = 2"
 - b) COLUMN = 1 1/2"
- READ THIS DRG. IN ALONG WITH ARCH.DRGS.
- COLUMNS AND FOOTINGS ARE DESIGNED FOR G+2 FLOOR LOADS AND SBC OF THE SOIL IS - 110KN/SQM. @ 7'-4" BELOW N.G.L AS PER SOIL REPORT
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REV.	DESCRIPTIONS	DRN	CHK	DATE
00	ISSUE FOR CONSTRUCTION	MV	G.S	14.02.2026

PROJECT :-
PROPOSED G+2 RESIDENTIAL BUILDING

DRAWING TITLE :-
LAYOUT OF SECOND FLOOR ROOF SLAB

DATE	SHEET	SCALE	DRG.NO
14.02.2026	A3	-	15



LAYOUT OF HEAD ROOM ROOF BEAM

BEAM SCHEDULE		
S.NO.	NAME	SIZE
1.	B401	1'-0" X 0'-9"
2.	B402	1'-3" X 0'-9"

GENERAL NOTES:

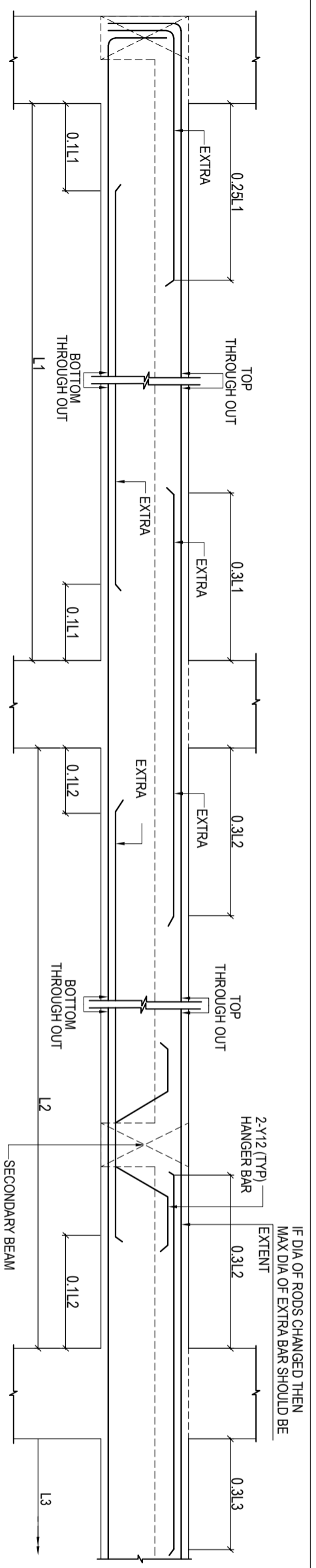
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8. ONUS OF CONSTRUCTION LIES WITH CONTRACTOR/OWNER

00	ISSUE FOR CONSTRUCTION	MV	G.S	14.02.2026
REV.	DESCRIPTIONS	DRN	CHK	DATE

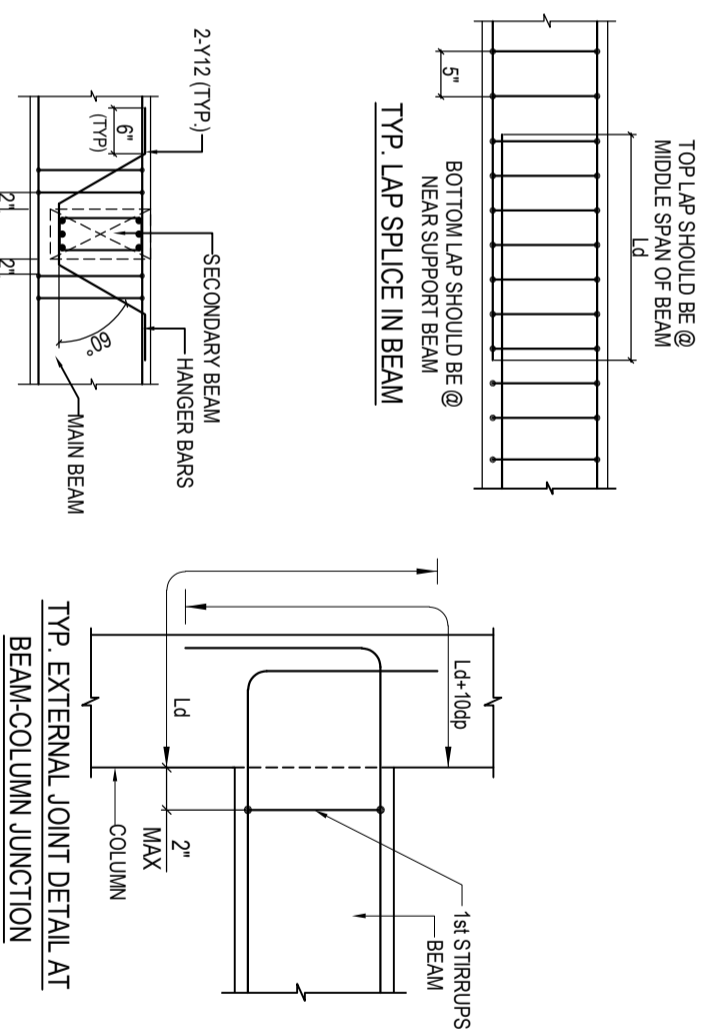
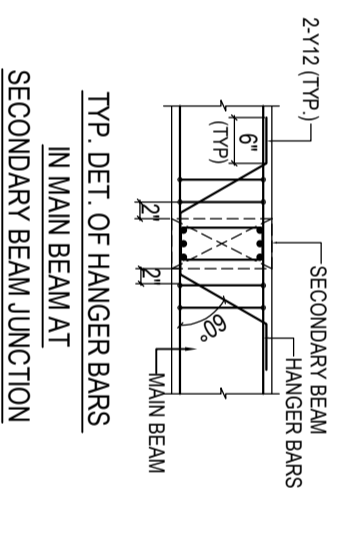
PROJECT :-
PROPOSED G+2 RESIDENTIAL BUILDING

DRAWING TITLE :-
LAYOUT OF HEAD ROOM ROOF BEAM

DATE	SHEET	SCALE	DRG.NO
14.02.2026	A3	-	16



NAME	AT SUPPORT	AT MID SPAN
B401 (0'-9" X 1'-0")	<p>9" 2-Y16 (THRO) Y8 @ 4" C/C 1'-5"</p>	<p>9" 2-Y16 (THRO) Y8 @ 6" C/C 1'-5"</p>
B402 (0'-9" X 1'-3")	<p>9" 2-Y16 (THRO) Y8 @ 4" C/C 1'-3"</p>	<p>9" 2-Y16 (THRO) Y8 @ 6" C/C 1'-3"</p>



GENERAL NOTES:

REMOVAL OF FORMWORK (SHUTTERING):

SHUTTERING OF ANY PART OF THE STRUCTURE SHALL NOT BE REMOVED UNTIL THE CONCRETE ATTAINS 70% THE SPECIFIED STRENGTH OF CONCRETE. HOWEVER THE FOLLOWING MINIMUM PERIOD AFTER FINAL POUR SHALL BE ALLOWED BEFORE REMOVAL OF SHUTTERING AS PER CLAUSE 11.3.1, IS:456:2000

a) VERTICAL SIDE OF SHUTTERING OF COLUMNS WALLS

LAP JOINTS FOR REINFORCEMENT BARS:

i) AT ANY CROSS SECTION OF THE MEMBER NOT MORE THAN 50% THE BARS SHALL BE LAPPED.

ii) LAPS SHALL BE STAGGERED WITH A MINIMUM CENTRE TO CENTRE DISTANCE OF 1.3 TIMES LAP LENGTH OF THE BAR FOR TENSION & COMPRESSION MEMBERS.

iii) DEVELOPMENT LENGTH (Ld) SHALL BE AS PER (SP-34:1999) TABLE BELOW:

a) DEVELOPMENT LENGTH FOR COLUMNS BARS - 40D

b) DEVELOPMENT LENGTH FOR BEAM BARS - 50D

iv) LAPS IN COLUMNS SHALL BE PROVIDED AT MID HEIGHT OF FLOOR AND NOT AT SLAB LEVEL.

v) DETAILING OF REBARS SHALL CONFORM TO SP-34 & IS:13020

EXCAVATION AND BACKFILL

i) BACKFILL FOR FOUNDATIONS AND PITS SHALL BE PLACED EVENLY LAYERS OF 300 mm THICKNESS AND SHALL BE WELL COMPACTED. THE FILL SHALL CONTAIN NO STONES WITH A DIAMETER GREATER THAN 100 mm. THE DEGREE OF COMPACTION OF BACKFILL SHALL BE 95% OF THE MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT OBTAINED BY THE MODIFIED PROCTOR COMPACTION TEST.

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GENERAL NOTES:

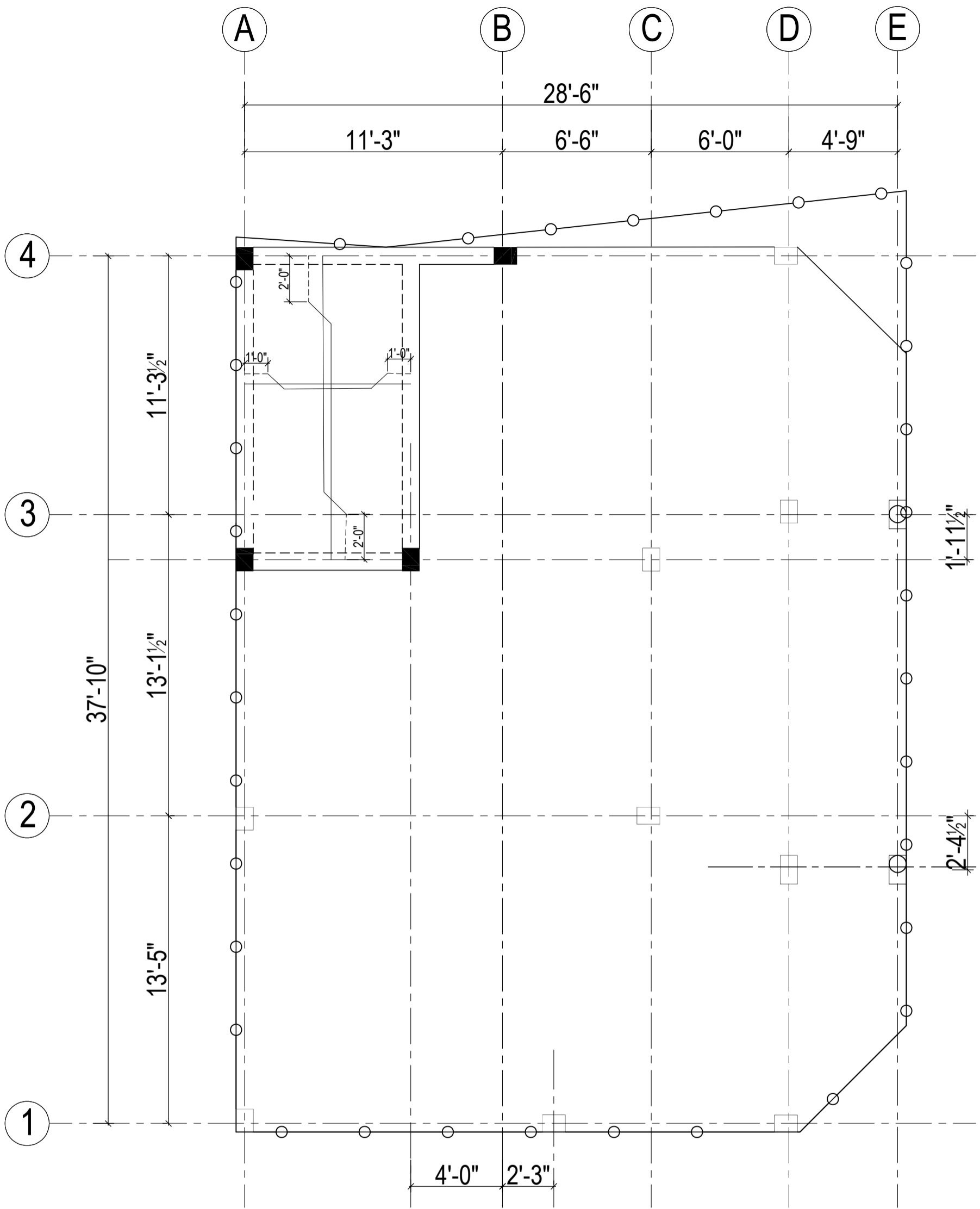
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3. GRADE OF REINFORCEMENT SHALL BE Fe 550 CONFORMING TO IS 1786-2008
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 - b) COLUMN = 1"
5. READ THIS DRG. IN ALONG WITH ARCH.DRGS.
6. COLUMNS AND FOOTINGS ARE DESIGNED FOR G+2 FLOOR GRANTY LOADS AND SBC OF THE SOIL IS 110 KNSQM. @ 7'-4" BELOW N.G.L AS PER SOIL REPORT
7. STRUCTURAL ENGINEER RESPONSIBILITY IS LIMITED TO DESIGN & ISSUAL OF STRUCTURAL DRAWING ONLY
8. ONUS OF CONSTRUCTION LIES WITH CONTRACTOR/OWNER

REV.	DESCRIPTIONS	DRN	CHK	DATE
00	ISSUE FOR CONSTRUCTION	M.V	G.S	14.02.2026

PROJECT :-
PROPOSED G+2 RESIDENTIAL BUILDING

DRAWING TITLE :-
RC DETAILS OF HEAD ROOM ROOF BEAM

DATE	SHEET	SCALE	JOB NO	DRG.NO
14.02.2026	A3	-	*****	017



LAYOUT OF HEAD ROOM ROOF SLAB

SLAB SCHEDULE				
SLAB NO.	REINFORCEMENT BOTHWAYS			
S1	6" THK. Y8 @ 6" C/C (T & B)			

GENERAL NOTES:

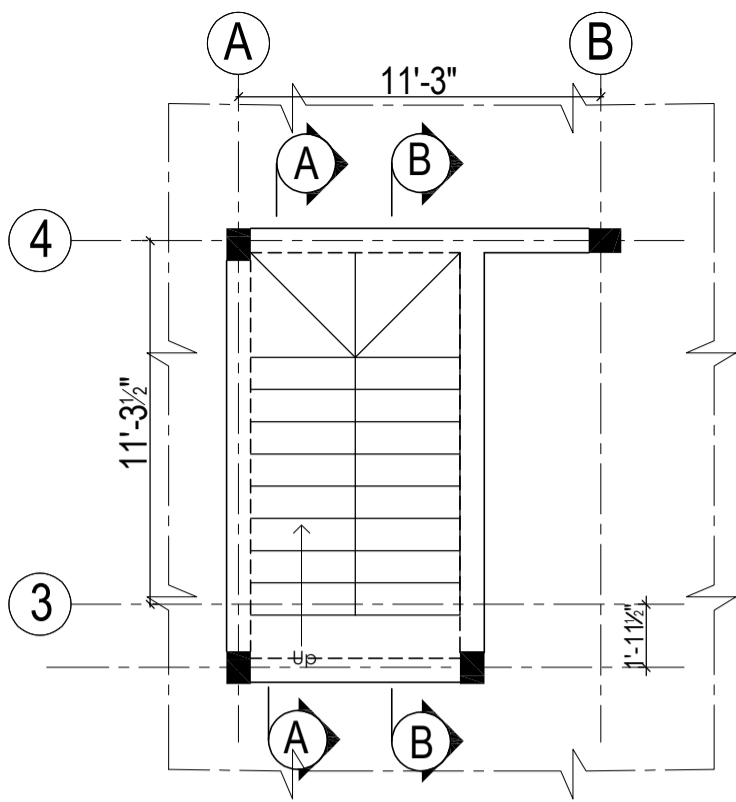
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REV.	DESCRIPTIONS	DRN	CHK	DATE
00	ISSUE FOR CONSTRUCTION	MV	G.S	14.02.2026

PROJECT :-
PROPOSED G+2 RESIDENTIAL BUILDING

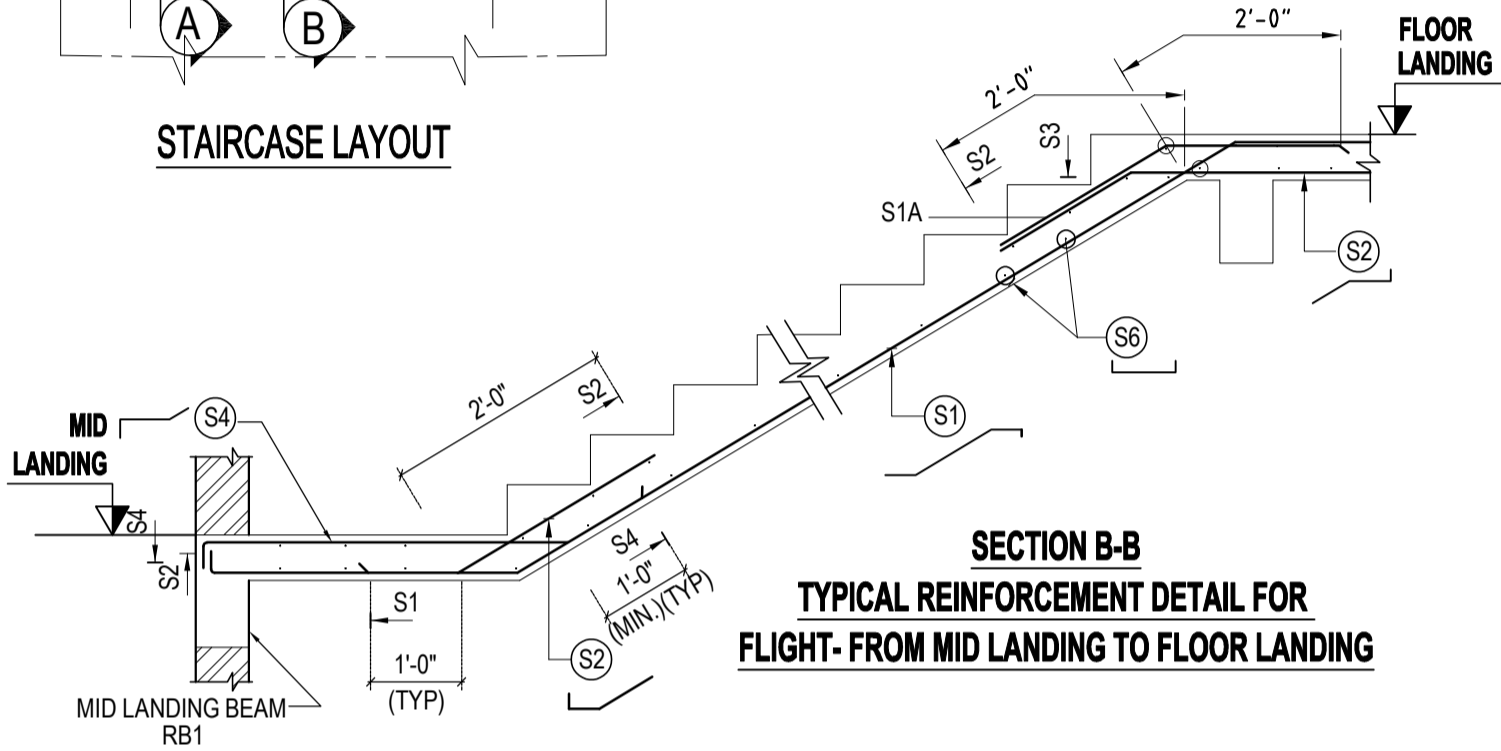
DRAWING TITLE :-
LAYOUT OF HEAD ROOM ROOF SLAB

DATE	SHEET	SCALE	DRG.NO
14.02.2026	A3	-	18

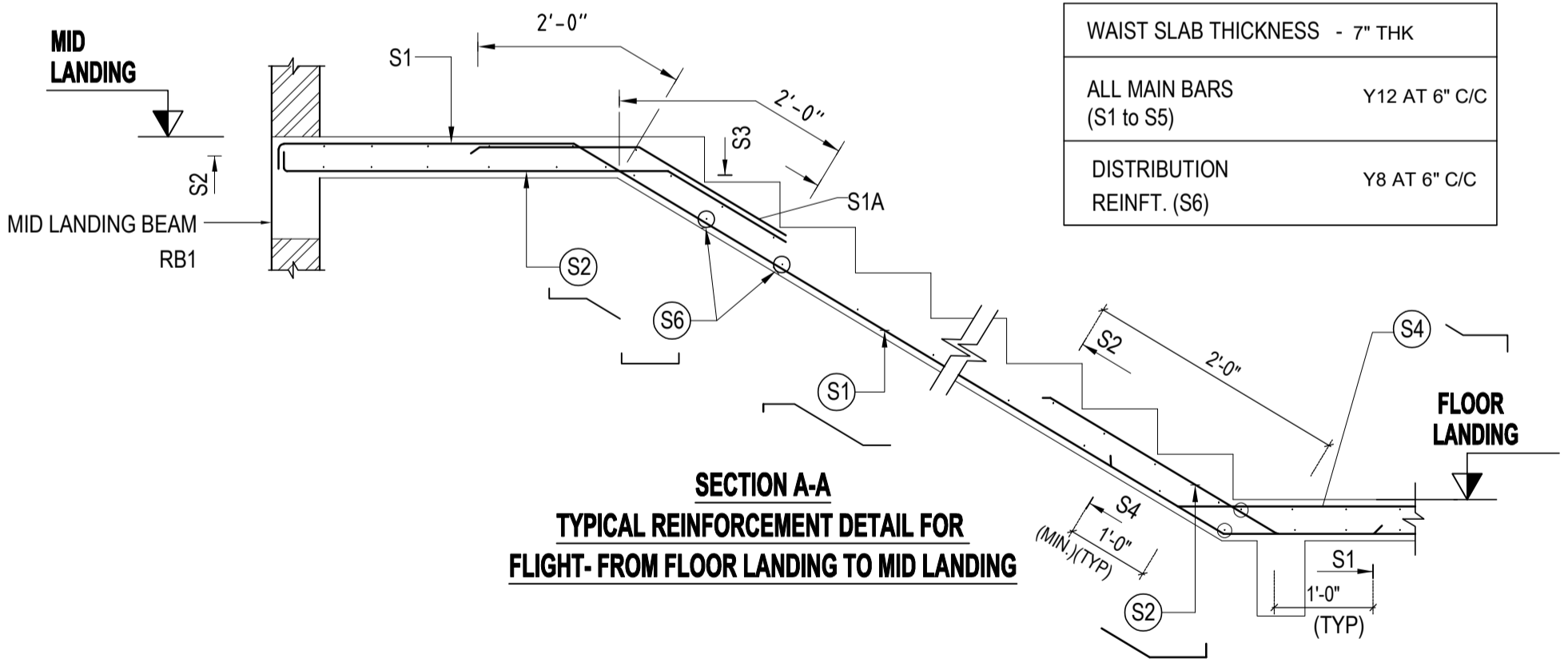


STAIRCASE LAYOUT

MID LANDING BEAM DETAIL		
BEAM ID	SECTION	
	AT SUPPORT	AT MIDSPAN
RB1 (0'-9" X 1'-0")		



**SECTION B-B
TYPICAL REINFORCEMENT DETAIL FOR
FLIGHT- FROM MID LANDING TO FLOOR LANDING**



**SECTION A-A
TYPICAL REINFORCEMENT DETAIL FOR
FLIGHT- FROM FLOOR LANDING TO MID LANDING**

STAIRCASE REINFORCEMENT:

WAIST SLAB THICKNESS	- 7" THK
ALL MAIN BARS (S1 to S5)	Y12 AT 6" C/C
DISTRIBUTION REINFT. (S6)	Y8 AT 6" C/C

GENERAL NOTES:

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- CLEAR COVER FOR REINFORCEMENT
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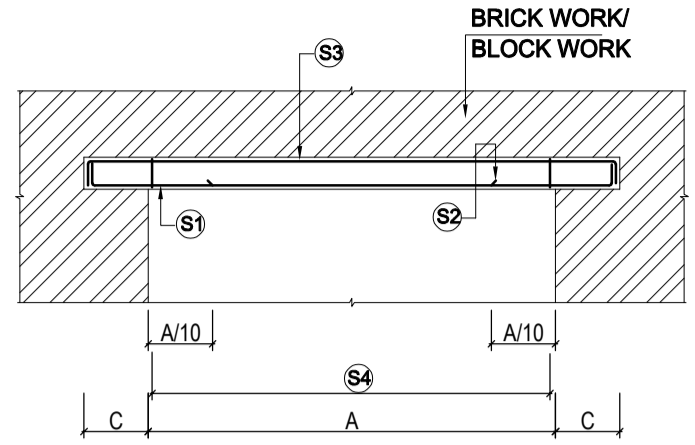
PROJECT :-
PROPOSED G+2 RESIDENTIAL BUILDING

DRAWING TITLE :-
TYPICAL STAIRCASE RC DETAIL

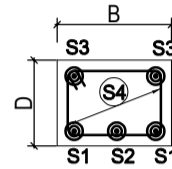
DATE	SHEET	SCALE	DRG.NO
14.02.2026	A3	-	19

SCHEDULE OF SUNSHADES

TYPE	SPAN L	THICKNESS		REINFT. DETAILS				REMARKS
		D1	D2	S5	S6	S7	S8	
I	UPTO 600	75	50	Y8 AT 200C/C	Y8 AT 250C/C	-	-	
I	601 TO 750	100	50	Y8 AT 200C/C	Y8 AT 250C/C	-	-	
I	751 TO 900	100	75	Y8 AT 200C/C	Y8 AT 250C/C	-	-	
I	901 TO 1050	125	75	Y8 AT 175C/C	Y8 AT 250C/C	-	-	
II	1051 TO 1200	150	100	Y8 AT 150C/C	Y8 AT 250C/C	Y8 AT 250C/C	Y8 AT 250C/C	BEAM SHOULD BE FROM COL. TO COL.
II	1201 TO 1500	175	125	Y8 AT 125C/C	Y8 AT 250C/C	Y8 AT 250C/C	Y8 AT 250C/C	



L.S. OF LINTEL - TYPE-I

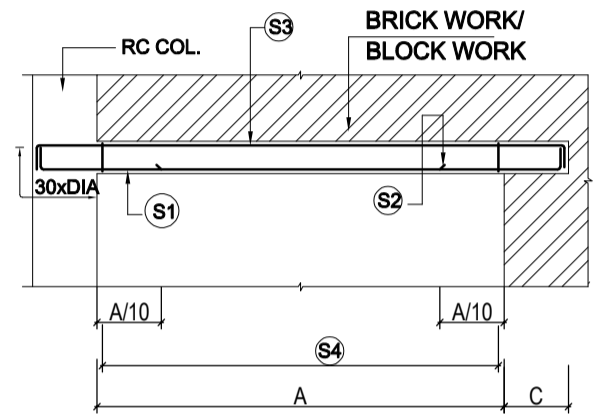


SEC. OF CUT LINTEL

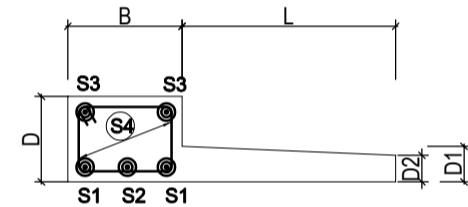
SCHEDULE OF LINTEL BEAMS

A) WITHOUT SUNSHADE AND WITH SUNSHADE WIDTH UPTO 750mm

BEAM No	OPENING WIDTH A	MIN. BEARING WIDTH C	BEAM SIZE		REINFT. DETAILS			
			B	D	S1	S2	S3	S4
LB1	UPTO 900	150	200/230	150	2-Y12	-	2-Y12	Y8 AT 100C/C
LB2	901 TO 1200	150	200/230	200	2-Y12	-	2-Y12	Y8 AT 125C/C
LB3	1201 TO 1500	150	200/230	200	2-Y12	-	2-Y12	Y8 AT 125C/C
LB4	1501 TO 1800	200	200/230	200	2-Y12	-	2-Y12	Y8 AT 150C/C
LB5	1801 TO 2100	200	200/230	225	2-Y12	1-Y12	2-Y12	Y8 AT 150C/C
LB6	2101 TO 2400	250	200/230	225	2-Y12	1-Y12	2-Y12	Y8 AT 150C/C
LB7	2401 TO 3000	250	200/230	250	2-Y16	1-Y16	2-Y12	Y8 AT 150C/C



L.S. OF LINTEL - TYPE-II



SEC. OF LINTEL WITH SUNSHADE

SCHEDULE OF LINTEL BEAMS FOR PARTITION WALLS

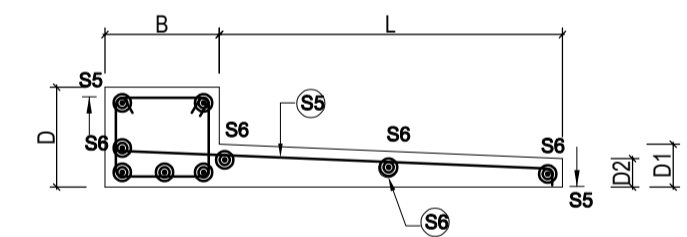
BEAM No	OPENING WIDTH A	MIN. BEARING WIDTH C	BEAM SIZE		REINFT. DETAILS			
			B	D	S1	S2	S3	S4
LB15	UPTO 900	150	100/115	115	2-Y12	-	2-Y12	Y8 AT 75C/C
LB16	901 TO 1200	150	100/115	150	2-Y12	-	2-Y12	Y8 AT 100C/C

SCHEDULE OF LINTEL BEAMS

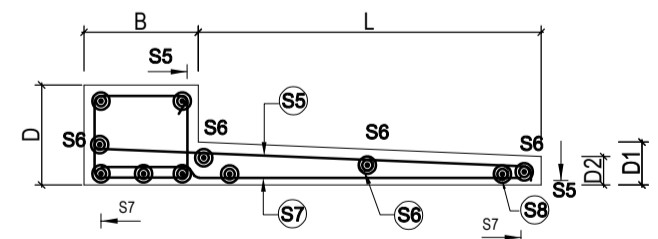
B) WITH SUNSHADE WIDTH FROM 751mm TO 1050mm

BEAM No	OPENING WIDTH A	MIN. BEARING WIDTH C	BEAM SIZE		REINFT. DETAILS			
			B	D	S1	S2	S3	S4
LB8	UPTO 900	150	200/230	150	2-Y12	-	2-Y12	Y8 AT 100C/C
LB9	901 TO 1200	200	200/230	200	2-Y12	-	2-Y12	Y8 AT 125C/C
LB10	1201 TO 1500	200	200/230	200	2-Y12	2-Y12	2-Y12	Y8 AT 125C/C
LB11	1501 TO 1800	250	200/230	200	2-Y12	1-Y12	2-Y12	Y8 AT 150C/C
LB12	1801 TO 2100	250	200/230	250	2-Y12	1-Y12	2-Y12	Y8 AT 150C/C
LB13	2101 TO 2400	300	200/230	250	2-Y16	-	2-Y12	Y8 AT 150C/C
LB14	2401 TO 3000	300	200/230	300	2-Y16	1-Y16	2-Y12	Y8 AT 150C/C

(FOR DETAILS OF LINTEL BEAMS WITH SUNSHADE WIDTH MORE THAN 1050mm REFER RESPECTIVE DRGS.)



C.S. OF SUNSHADE - TYPE-I (FOR 'L' = 600 TO 1050)



C.S. OF SUNSHADE - TYPE-II (FOR 'L' = 1051 TO 1500)

GENERAL NOTES:

- ALL DIMENSIONS ARE IN FOOT UNITS.
- CONCRETE GRADE SHALL BE M25 CONFIRMING TO IS 456:2000
- GRADE OF REINFORCEMENT SHALL BE Fe 550 CONFIRMING TO IS 1786-2008
- CLEAR COVER FOR REINFORCEMENT
a) FOOTING = 2" b) COLUMN = 1 1/2"
- READ THIS DRG. IN ALONG WITH ARCH.DRGS.
- COLUMNS AND FOOTINGS ARE DESIGNED FOR G+2 FLOOR LOADS AND SBC OF THE SOIL IS - 110KN/SQM. @ 7'-4" BELOW N.G.L AS PER SOIL REPORT
- STRUCTURAL ENGINEER RESPONSIBILITY IS LIMITED TO DESIGN & ISSUAL OF STRUCTURAL DRAWING ONLY
- ONUS OF CONSTRUCTION LIES WITH CONTRACTOR/OWNER

00	ISSUE FOR CONSTRUCTION	MV	G.S	14.02.2026
REV.	DESCRIPTIONS	DRN	CHK	DATE

PROJECT :-
PROPOSED G+2 RESIDENTIAL BUILDING

DRAWING TITLE :-
GENERAL DETAILS - LINTEL & SUNSHADE

DATE	SHEET	SCALE	DRG.NO
14.02.2026	A3	-	20