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TECHNICAL NOTES

- ALL DIMENSIONS ARE IN FEET & INCHES UNLESS OTHERWISE SPECIFIED
- ONLY WRITTEN DIMENSION TO BE FOLLOWED.
- ANY DISCREPANCIES NOTICED IN THE DRG. SHALL BE BROUGHT TO OUR NOTICE IMMEDIATELY.
- EXECUTIVES SHALL CHECK ALL DRAWING BEFORE TAKING EXECUTION IN HAND.
- ENGINEER IN CHARGE TO ENSURE THAT CONSTRUCTION LOADS DO NOT EXCEED LIVE LOAD APPROPRIATE ARRANGEMENT TO BE MADE TO DISTRIBUTE CONSTRUCTION LOAD EVENLY.
- GRADE OF CONCRETE SHALL CONFIRM TO IS 456 : 2000 ALL RCC MEMBERS IN M25(1:1.2) GRADE
- Ø DENOTES HIGH STRENGTH DEFORMED BARS OF GRADE FE500 CONFORMING TO IS 1786 : 1985
- CLEAR COVER TO REINFORCEMENT.
 - A. COLUMNS = 1 1/2"
 - B. FOUNDATION = 2"
 - C. GRADE BEAM = 1"
 - D. FLOOR BEAM = 1"
 - E. FLOOR SLAB = 3"
- THE BUILDING FOUNDATION HAS BEEN DESIGNED FOR S+3. THE REQUIRED CAPACITY OF SOIL IS 110 KN/M2. THE CONTRACTOR IS RESPONSIBLE FOR ATTAINING THIS CAPACITY 110 KN/M2 BY CONSULTING WITH SOIL EXPERTS.
- LOOSE SOIL IF ANY SHALL BE REMOVED BEFORE LAYING FOUNDATION.
- THE DEPTH OF BEAMS SHALL BE INCLUDING THE SLAB THICKNESS.

LAP JOINTS FOR REINFORCEMENT BARS :

- AT ANY CROSS SECTION OF THE MEMBER, NOT MORE THAN 50% OF THE BARS SHALL BE LAPPED.
- LAPS IN COLUMNS SHALL BE PROVIDED AT MID HEIGHT OF FLOOR AND NOT AT SLAB LEVEL
- LAPS IN BEAMS AND SLABS SHALL BE PROVIDED AT THE POINT OF CONTRAFLEXURE .

CLIENT

M/s. Y.K. FOUNDATION

PROJECT

ARCHITECT

D DESIGN CONSULTANTS

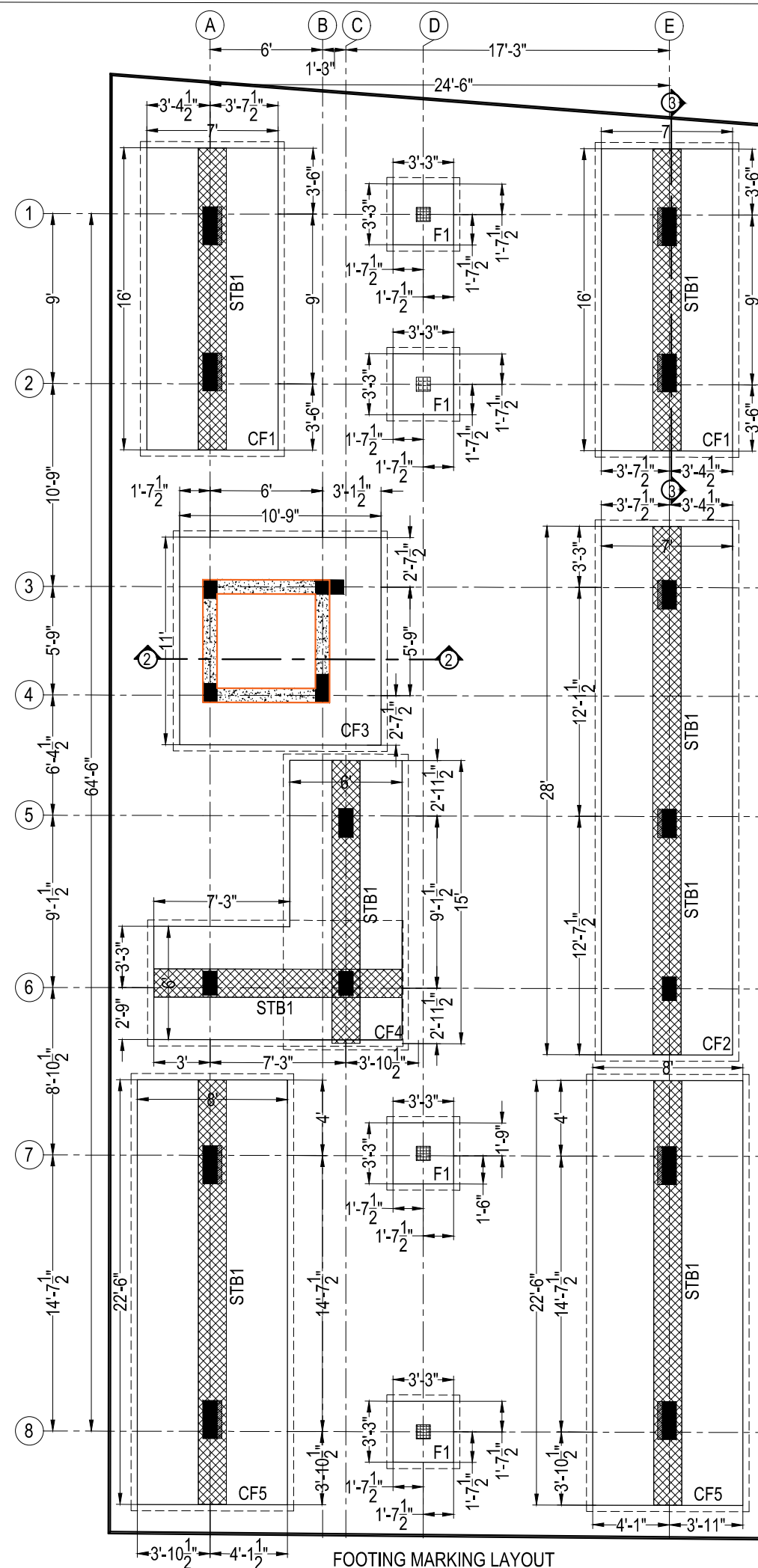
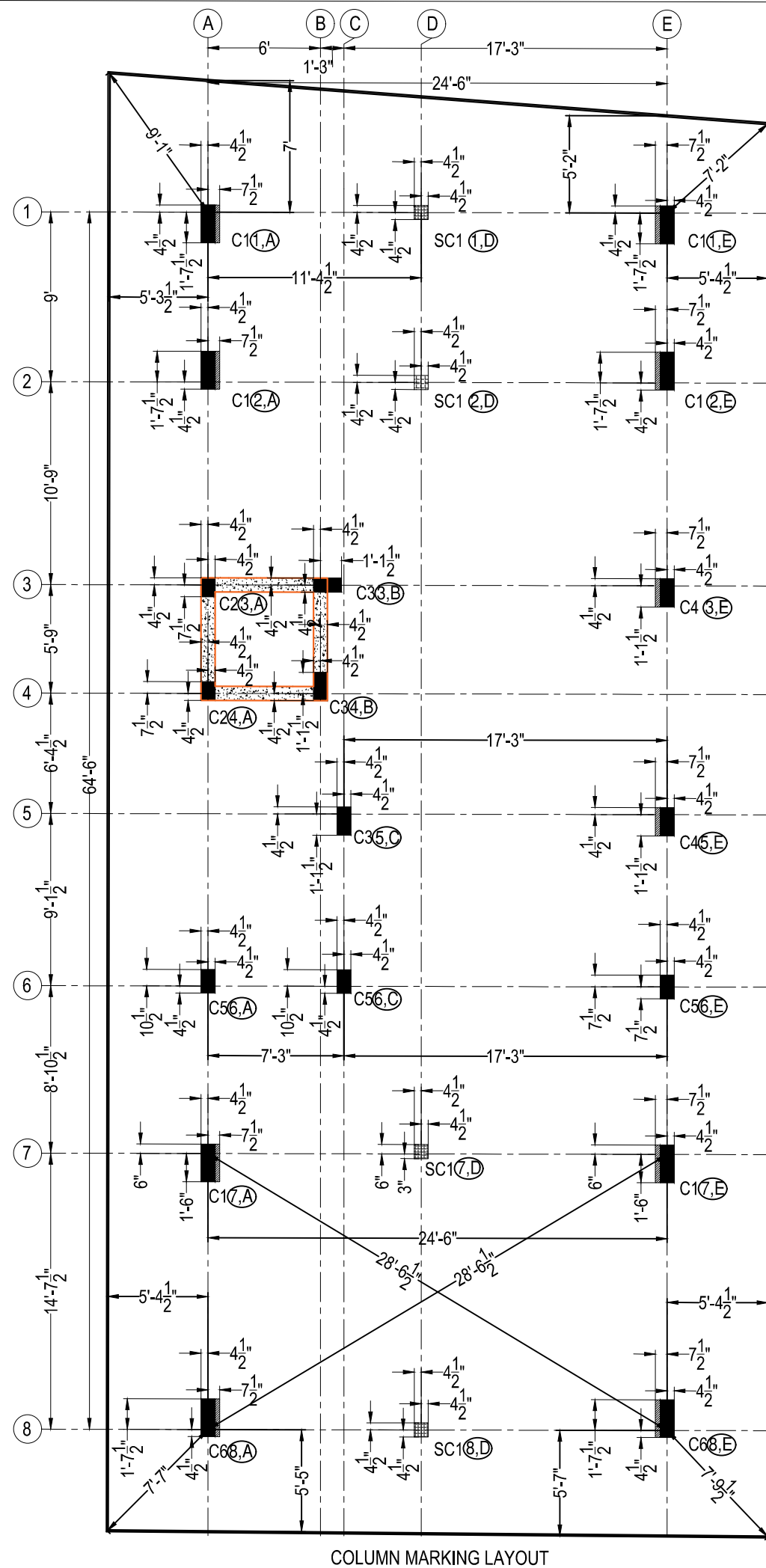
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MEDAVAKKAM, CHENNAI-600100.
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DESIGNED	RELEASED FOR
DETAILED	<input type="checkbox"/> TENDER
SCALE	1:100 <input type="checkbox"/> APPROVAL
SHEET	A3 <input checked="" type="checkbox"/> CONSTRUCTION

DRAWING NAME

COLUMN MARKING LAYOUT

REV	DATE	PROJECT NO	SHEET NO
R0	18/05/2023	ST-2023-60-01	01



COLUMN SCHEDULE:

TERRACE LEVEL TO						
	T8@6"C/C	T8@6"C/C	T8@6"C/C	T8@6"C/C	T8@6"C/C	T8@6"C/C
STILT FLOOR ROOF BEAM LEVEL						
	4-T20 + 6-T16	6-T12	4-T16 + 4-T12	4-T16 + 4-T12	10-T16	
STILT FLOOR ROOF BEAM LEVEL TO						
	T8@6"C/C	T8@6"C/C	T8@6"C/C	T8@6"C/C	T8@6"C/C	T8@6"C/C
FOOTING						
	4-T20 + 6-T16 + 5-T12	6-T12	4-T16 + 4-T12	4-T20 + 4-T16+4-T12	4-T16 + 4-T12	10-T16 + 5-T12
COLUMN MARKED	C1	C2	C3	C4	C5	C6

T8@6"C/C
4-T12
SC1

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- CLEAR COVER TO REINFORCEMENT.
 - A. COLUMNS = 1 1/2"
 - B. FOUNDATION = 2"
 - C. GRADE BEAM = 1"
 - D. FLOOR BEAM = 1"
 - E. FLOOR SLAB = 3/4"
- THE BUILDING FOUNDATION HAS BEEN DESIGNED FOR S+3, THE REQUIRED CAPACITY OF SOIL IS 110 KN/M2. THE CONTRACTOR IS RESPONSIBLE FOR ATTAINING THIS CAPACITY 110 KN/M2 BY CONSULTING WITH SOIL EXPERTS.
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M/s. Y.K. FOUNDATION

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SCALE	1:100 <input type="checkbox"/> APPROVAL
SHEET	A3 <input checked="" type="checkbox"/> CONSTRUCTION

DRAWING NAME

COLUMN & FOOTING DETAILS

REV	DATE	PROJECT NOS	SHEET.NO
R0	18/05/2023	ST-2023-60-01	02

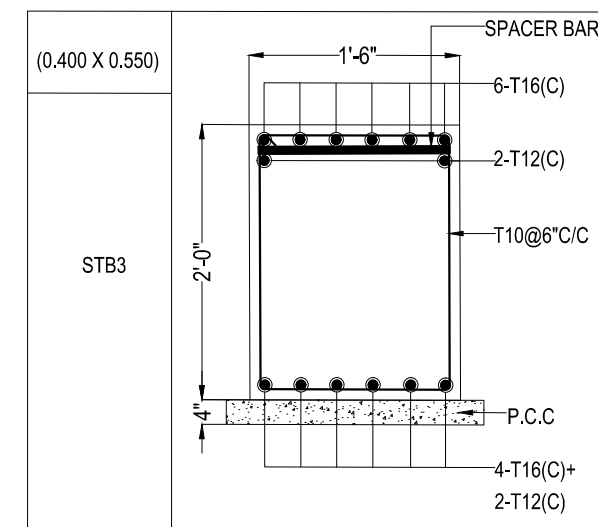
NOTES:

** FOOTING SHOULD REST ON HARD STRATA IF FOOTING DEPTH MORE THAN 12'-0" PLEASE INFORM TO STRUCTURAL CONSULTANT

LEGENDS:

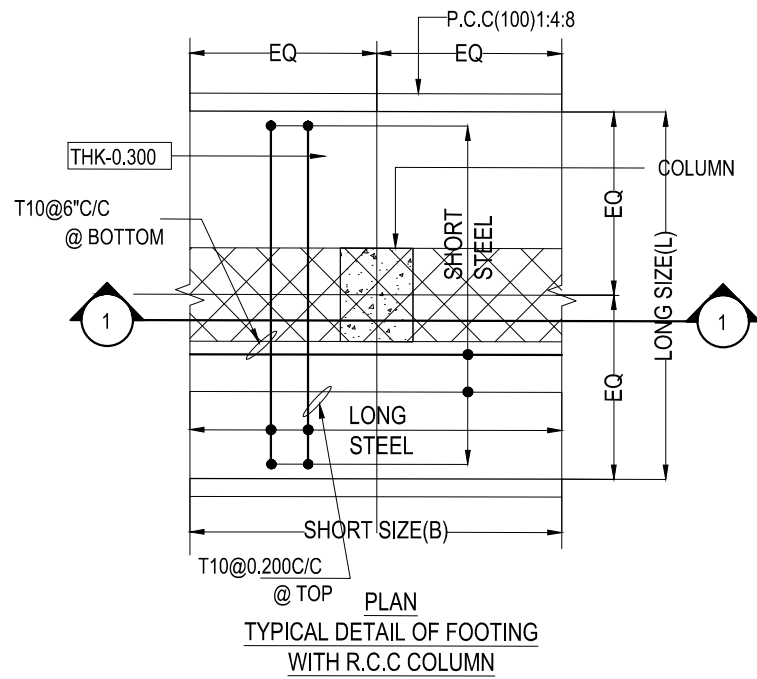
B.L - BASEMENT LEVEL
 G.F.R.L - GROUND FLOOR ROOF LEVEL
 E.G.L - EXISTING GROUND LEVEL

STB REINFORCEMENT SCHEDULE:

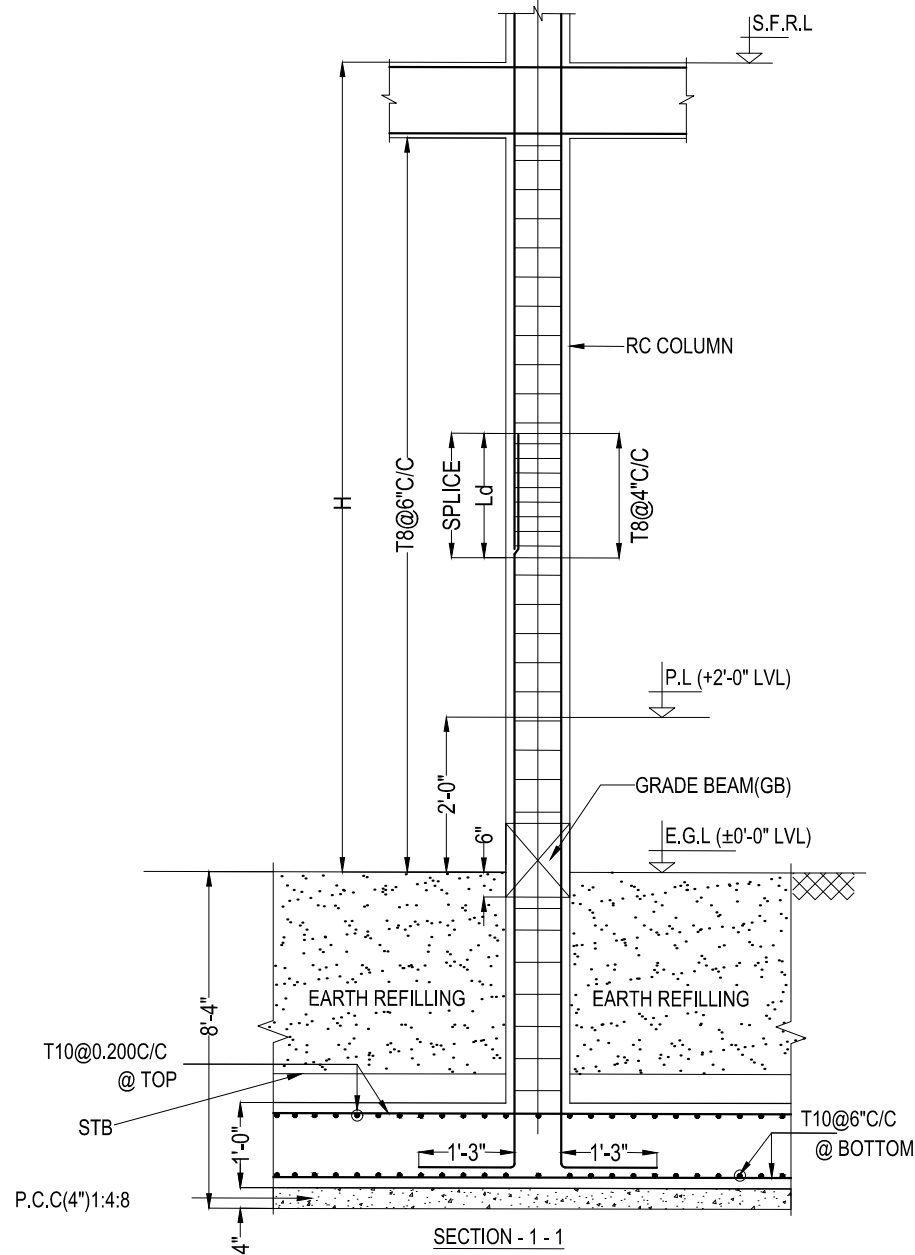


SCHEDULE OF FOOTING:

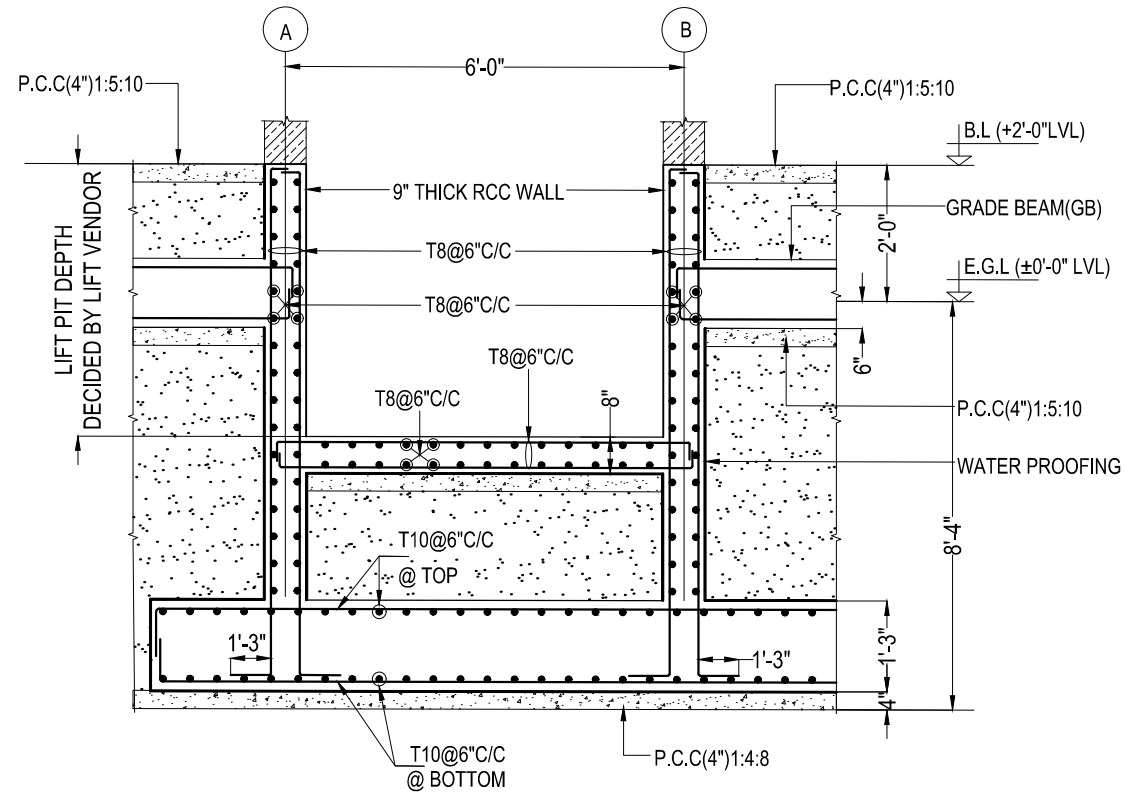
FOOTING NAME	FOOTING SIZE (LxB)	FOOTING DEPTH D	BOTTOM REINFORCEMENT		TOP REINFORCEMENT		REMARKS
			(LONG SIZE-SHORT STEEL)	(SHORT SIZE-LONG STEEL)	(LONG SIZE-SHORT STEEL)	(SHORT SIZE-LONG STEEL)	
CF1	7'-0" X 16'-0"	1'-0"	T10@6"C/C	T10@6"C/C	T10@6"C/C	T10@6"C/C	-----
CF2	7'-0" X 28'-0"	1'-0"	T10@6"C/C	T10@6"C/C	T10@6"C/C	T10@6"C/C	-----
CF3	10'-9" X 11'-0"	1'-3"	T10@6"C/C	T10@6"C/C	T10@6"C/C	T10@6"C/C	-----
CF4	15'-0" X 6'-0"	1'-0"	T10@6"C/C	T10@6"C/C	T10@6"C/C	T10@6"C/C	-----
CF5	8'-0" X 22'-6"	1'-2"	T10@6"C/C	T10@6"C/C	T10@6"C/C	T10@6"C/C	-----
F1	3'-3" X 3'-3"	1'-0"	T10@6"C/C	T10@6"C/C	-----	-----	-----



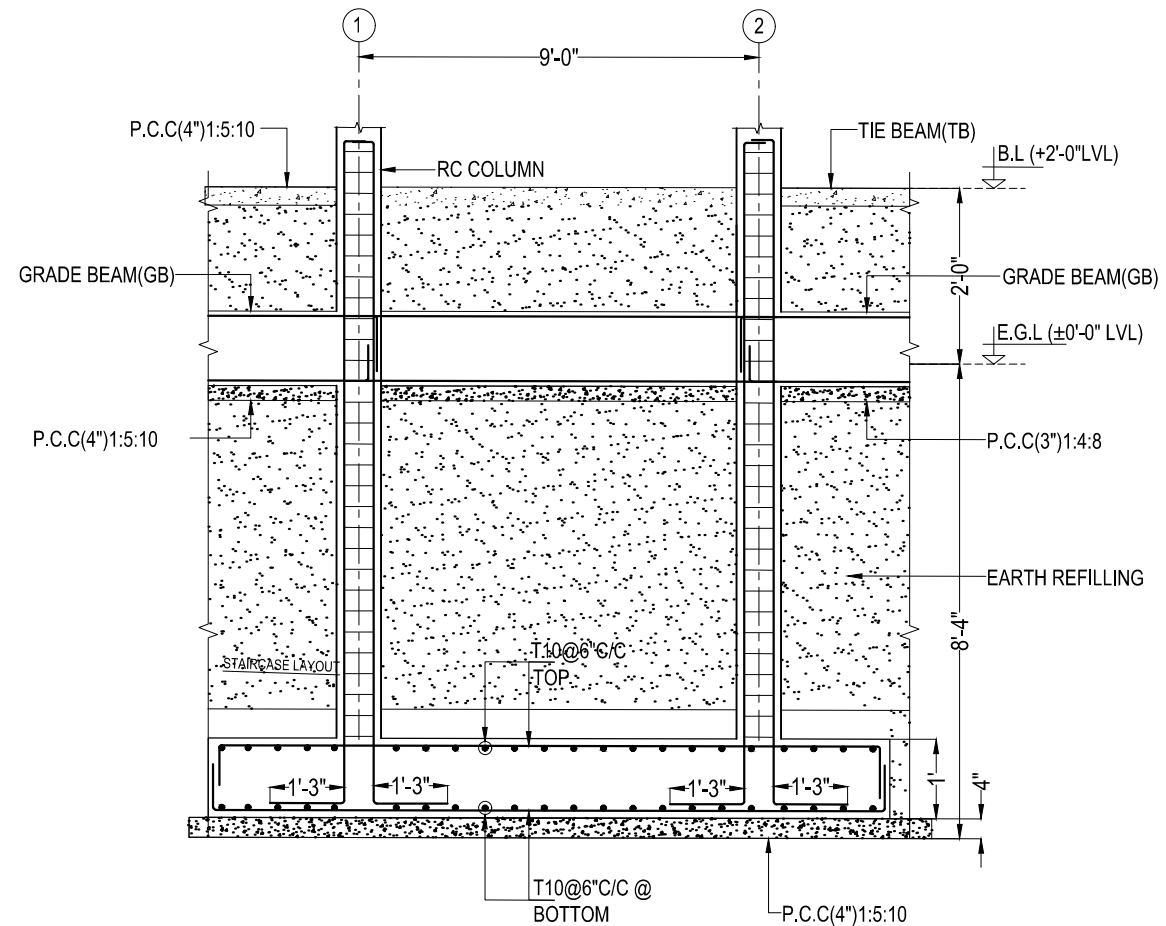
PLAN
TYPICAL DETAIL OF FOOTING
WITH R.C.C COLUMN



SECTION - 1 - 1



SECTION - 2 - 2
LIFT PIT DETAILS



SECTION - 3 - 3
TYPICAL COMBINED STRIP FOOTING(CSF2)

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8. Ø DENOTES HIGH STRENGTH DEFORMED BARS OF GRADE FE500 CONFORMING TO IS 1786 : 1985
9. CLEAR COVER TO REINFORCEMENT.
 - A. COLUMNS = 1 1/2"
 - B. FOUNDATION = 2"
 - C. GRADE BEAM = 1"
 - D. FLOOR BEAM = 1"
 - E. FLOOR SLAB = 3"
10. THE BUILDING FOUNDATION HAS BEEN DESIGNED FOR S+3, THE REQUIRED CAPACITY OF SOIL IS 110 KN/M2. THE CONTRACTOR IS RESPONSIBLE FOR ATTAINING THIS CAPACITY 110 KN/M2 BY CONSULTING WITH SOIL EXPERTS.
11. LOOSE SOIL IF ANY SHALL BE REMOVED BEFORE LAYING FOUNDATION.
12. THE DEPTH OF BEAMS SHALL BE INCLUDING THE SLAB THICKNESS.

LAP JOINTS FOR REINFORCEMENT BARS :

- i) AT ANY CROSS SECTION OF THE MEMBER, NOT MORE THAN 50% OF THE BARS SHALL BE LAPPED.
- ii) LAPS IN COLUMNS SHALL BE PROVIDED AT MID HEIGHT OF FLOOR AND NOT AT SLAB LEVEL
- iii) LAPS IN BEAMS AND SLABS SHALL BE PROVIDED AT THE POINT OF CONTRAFLEXURE .

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DETAILED	<input type="checkbox"/> TENDER
SCALE	1:100 <input type="checkbox"/> APPROVAL
SHEET	A3 <input checked="" type="checkbox"/> CONSTRUCTION

DRAWING NAME

FOOTING SECTION DETAILS

REV	DATE	PROJECT NOS	SHEET.NO
R0	18/05/2023	ST-2023-60-01	03

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9. CLEAR COVER TO REINFORCEMENT.
 - A. COLUMNS = 1½"
 - B. FOUNDATION = 2"
 - C. GRADE BEAM = 1"
 - D. FLOOR BEAM = 1"
 - E. FLOOR SLAB = ¾"
10. THE BUILDING FOUNDATION HAS BEEN DESIGNED FOR S+3. THE REQUIRED CAPACITY OF SOIL IS 110 KN/M2. THE CONTRACTOR IS RESPONSIBLE FOR ATTAINING THIS CAPACITY 110 KN/M2 BY CONSULTING WITH SOIL EXPERTS.
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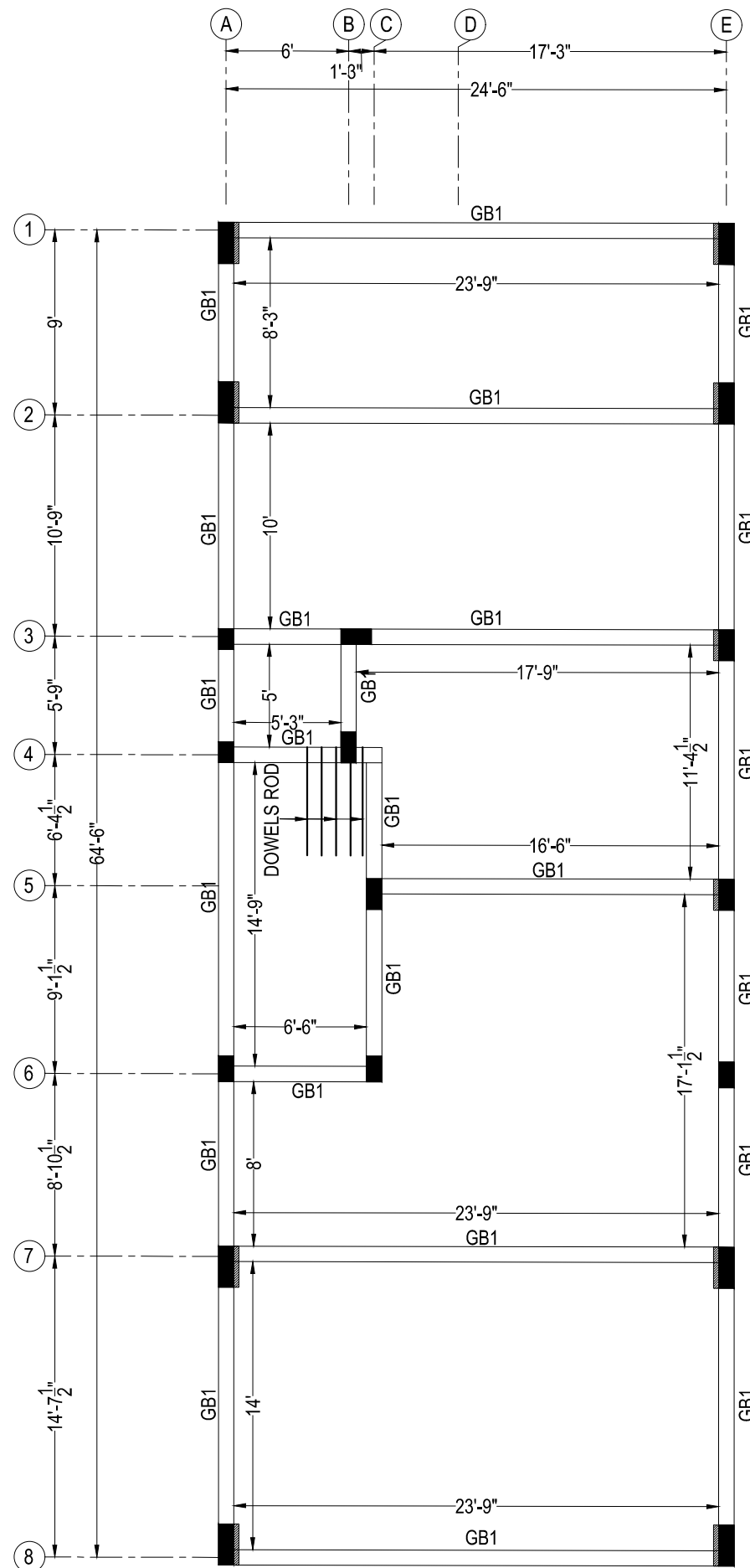
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DETAILED		<input type="checkbox"/> TENDER	
SCALE	1:100	<input type="checkbox"/> APPROVAL	
SHEET	A3	<input checked="" type="checkbox"/> CONSTRUCTION	

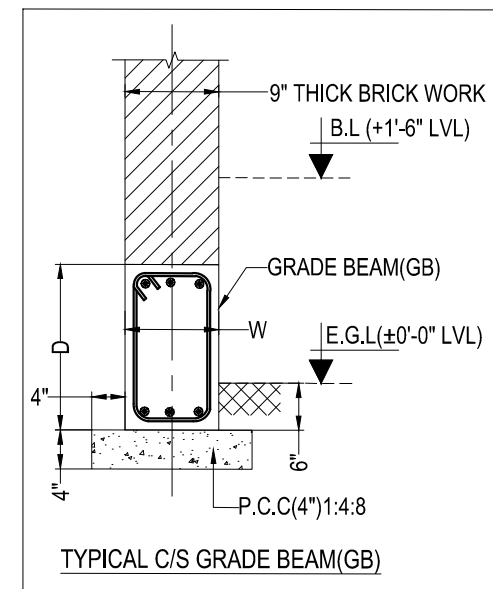
DRAWING NAME

GRADE BEAM(GB) LAYOUT

REV	DATE	PROJECT NOS	SHEET.NO
R0	18/05/2023	ST-2023-60-01	04



GRADE BEAM(GB) LAYOUT

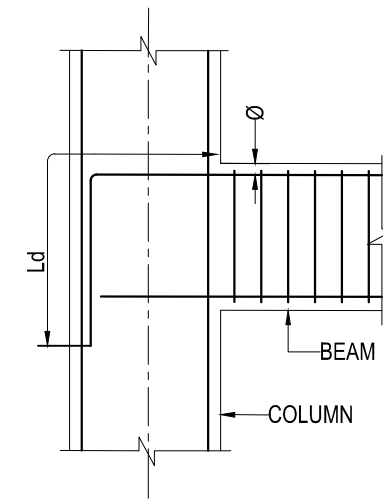


LEGENDS:

- E.G.L - EXISTING GROUND LEVEL
- GB - GRADE BEAM
- BB - BRACKET BEAM

GRADE BEAM (GB) REINFORCEMENT SCHEDULE:

BEAM SIZE & NO.	DETAIL @ LEFT SUPPORT	DETAIL @ MIDDLE	DETAIL @ RIGHT SUPPORT	DETAIL @ CANTILEVER BEAM
(9" X 1'-3") GB1	 2-T12(C)+1-T16(C) T8@6"C/C P.C.C 2-T16(C)+1-T12(C)	 2-T12(C)+1-T16(C) T8@6"C/C P.C.C 2-T16(C)+1-T12(C)	 2-T12(C)+1-T16(C) T8@6"C/C P.C.C 2-T16(C)+1-T12(C)	-----
(9" X 1'-3") GB2	 2-T12(C)+1-T16(C) T8@6"C/C P.C.C 2-T12(C)+1-T16(C)	 2-T12(C)+1-T16(C) T8@6"C/C P.C.C 2-T12(C)+1-T16(C)	 2-T12(C)+1-T16(C) T8@6"C/C P.C.C 2-T12(C)+1-T16(C)	-----
(9" X 1'-3") BB1	 2-T12(C)+1-T16(C) T8@4"C/C P.C.C 3-T12(C)	 2-T12(C)+1-T16(C) T8@4"C/C P.C.C 3-T12(C)	 2-T12(C)+1-T16(C) T8@4"C/C P.C.C 3-T12(C)	-----



TYPICAL ANCHORAGE OF BEAM BARS IN AN EXTERNAL JOINT
** Ld-45 TIMES DIA OF BAR

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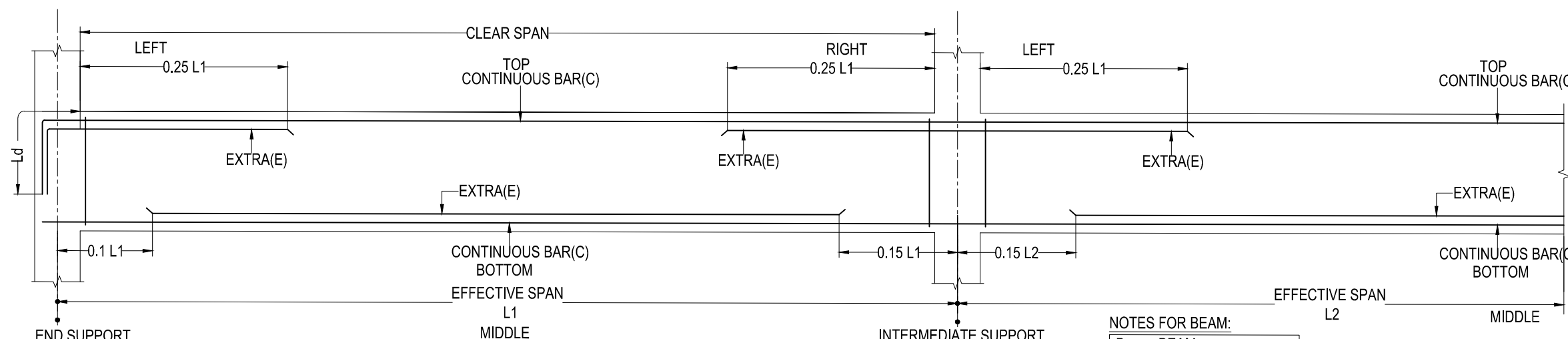
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DETAILED	<input type="checkbox"/> TENDER
SCALE	1:100 <input type="checkbox"/> APPROVAL
SHEET	A3 <input checked="" type="checkbox"/> CONSTRUCTION

DRAWING NAME

GRADE BEAM (GB) DETAILS

REV	DATE	PROJECT NO	SHEET.NO
R0	18/05/2023	ST-2023-60-01	05



TYPICAL BEAM CURTAILMENT DETAILS

* 0.15 L1 SHOULD NOT BE LESS THEN Ld

NOTES FOR BEAM:

- B - BEAM
- C - CONTINUOUS BAR
- E - EXTRA BAR

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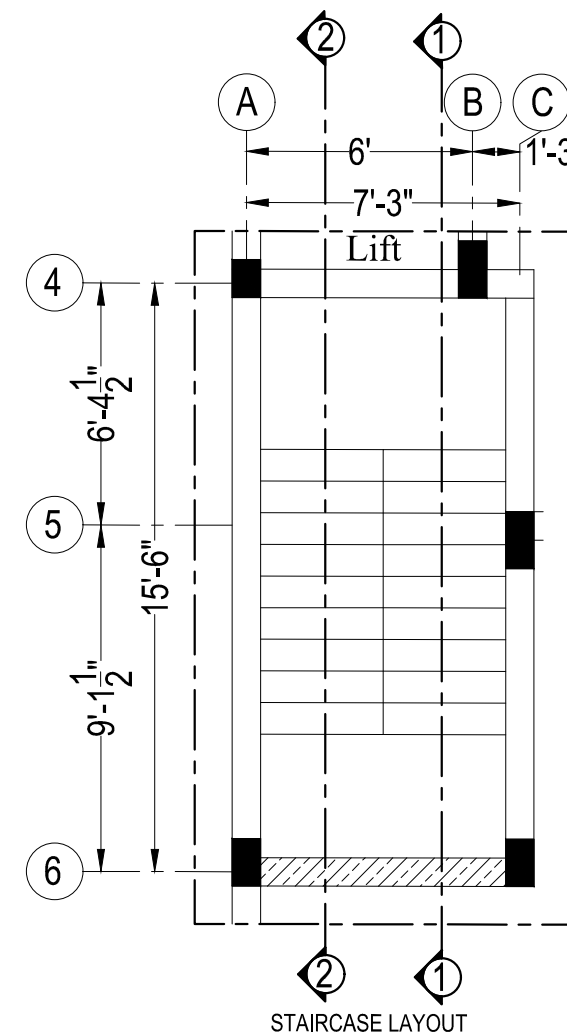
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DETAILED	<input type="checkbox"/> TENDER
SCALE 1:100	<input type="checkbox"/> APPROVAL
SHEET A3	<input checked="" type="checkbox"/> CONSTRUCTION

DRAWING NAME

STAIRCASE LAYOUT & DETAILS

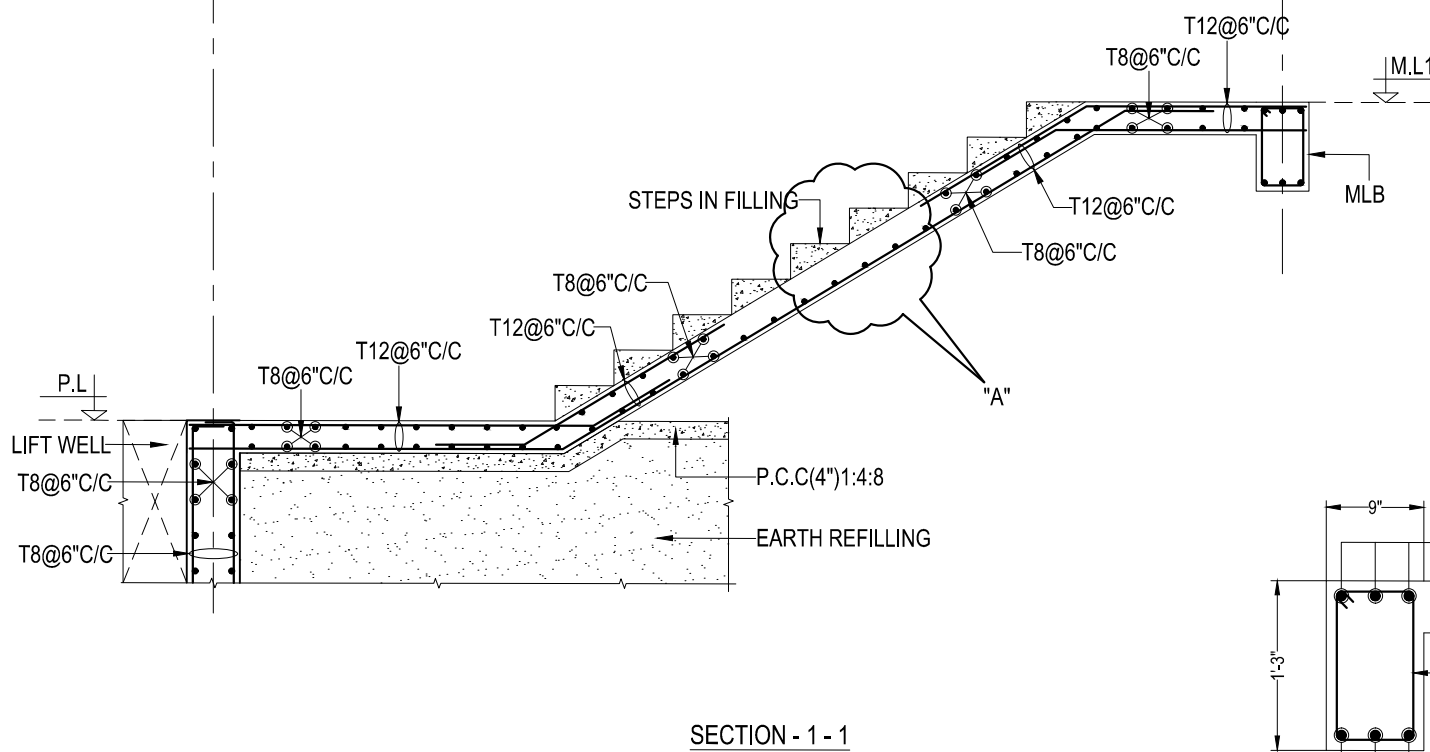
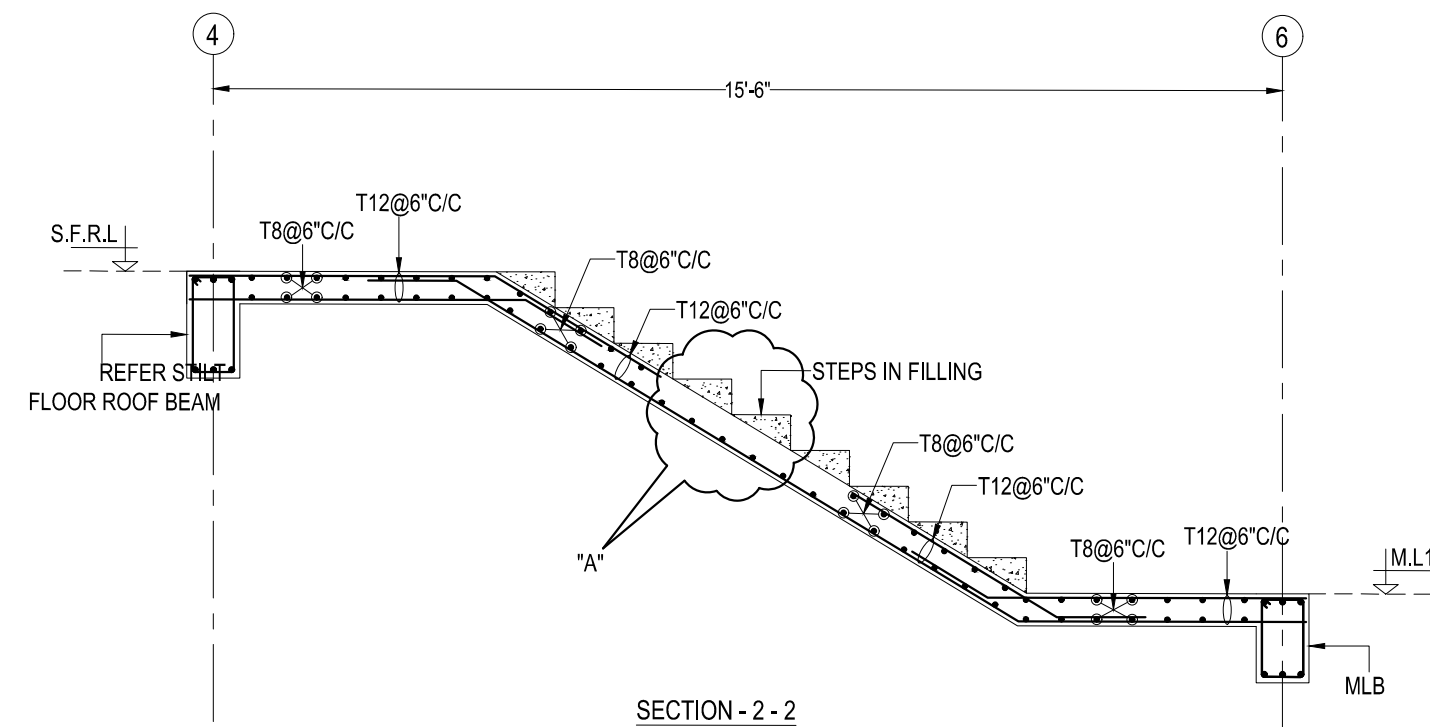
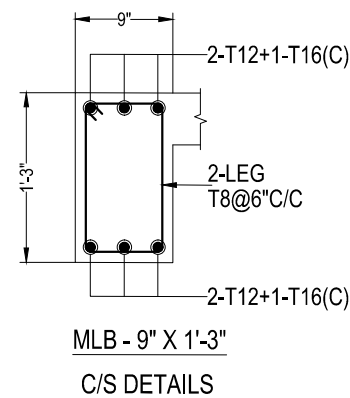
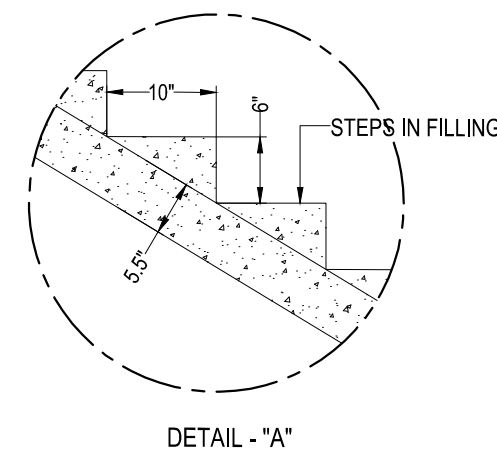
REV	DATE	PROJECT NOS	SHEET.NO
R0	18/05/2023	ST-2023-60-01	05a



** NO.OF STEPS & LEVELS REFER LATEST ARCHITECTURAL DRAWING

LEGENDS:

- M.L.B - MID LANDING BEAM
- M.L - MID LANDING LEVEL
- S.F.R.L - STILT FLOOR ROOF LEVEL
- P.L - PARKING LEVEL



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- Ø DENOTES HIGH STRENGTH DEFORMED BARS OF GRADE FE500 CONFORMING TO IS 1786 : 1985
- CLEAR COVER TO REINFORCEMENT.
 - A. COLUMNS = 1½"
 - B. FOUNDATION = 2"
 - C. GRADE BEAM = 1"
 - D. FLOOR BEAM = 1"
 - E. FLOOR SLAB = 3"
- THE BUILDING FOUNDATION HAS BEEN DESIGNED FOR S*3. THE REQUIRED CAPACITY OF SOIL IS 110 KN/M2. THE CONTRACTOR IS RESPONSIBLE FOR ATTAINING THIS CAPACITY 110 KN/M2 BY CONSULTING WITH SOIL EXPERTS.
- LOOSE SOIL IF ANY SHALL BE REMOVED BEFORE LAYING FOUNDATION.
- THE DEPTH OF BEAMS SHALL BE INCLUDING THE SLAB THICKNESS.

LAP JOINTS FOR REINFORCEMENT BARS :

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- iii) LAPS IN BEAMS AND SLABS SHALL BE PROVIDED AT THE POINT OF CONTRAFLEXURE .

CLIENT

M/s. Y.K. FOUNDATION

PROJECT

ARCHITECT

D DESIGN CONSULTANTS

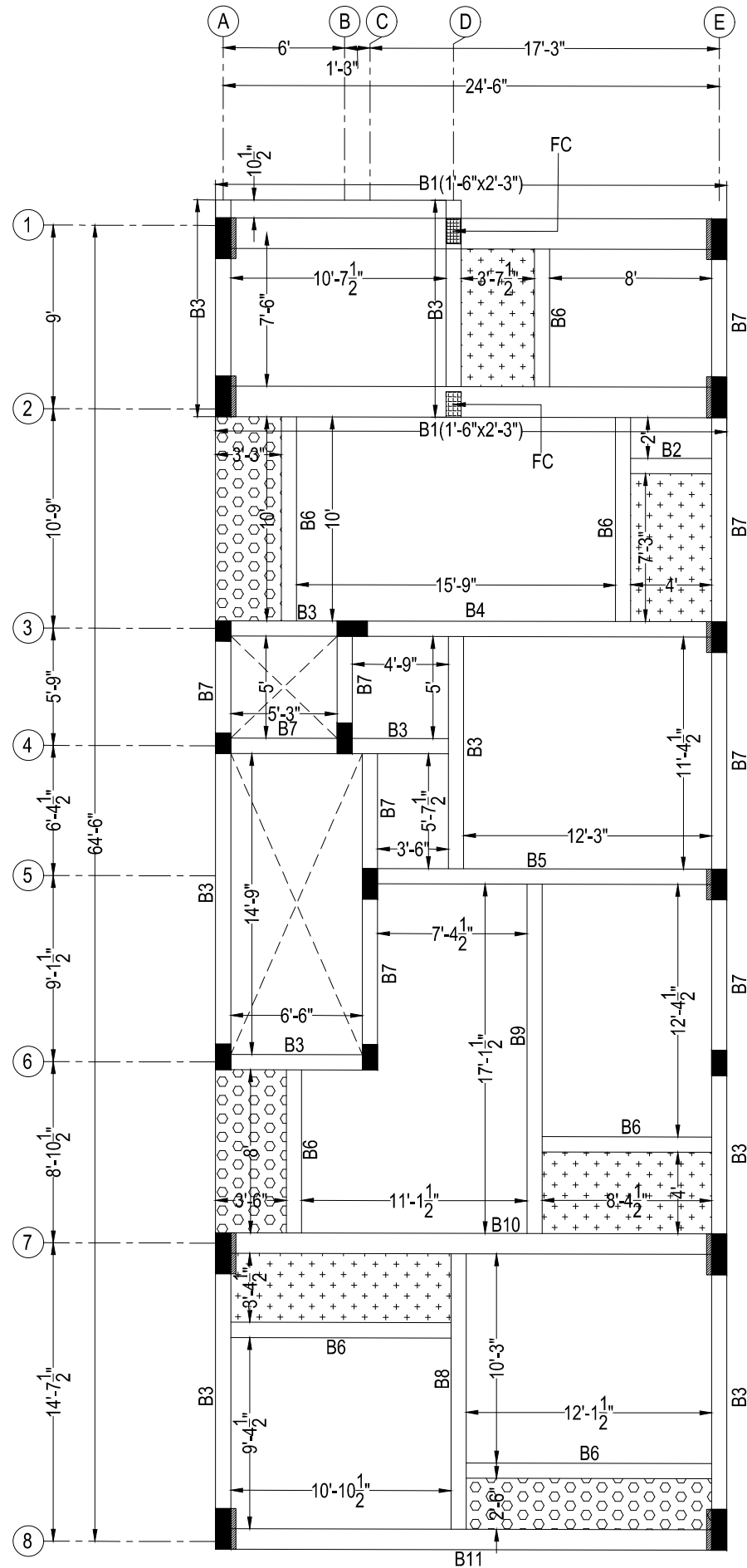
D DEVENDRAN N, M.Tech.,
ENGINEERS & BUILDERS.
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MEDAVAKKAM, CHENNAI-600100.
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Website: ddesignconsultant.in.
Mobile : 93848 90707.

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SCALE	1:100 <input type="checkbox"/> APPROVAL
SHEET	A3 <input checked="" type="checkbox"/> CONSTRUCTION

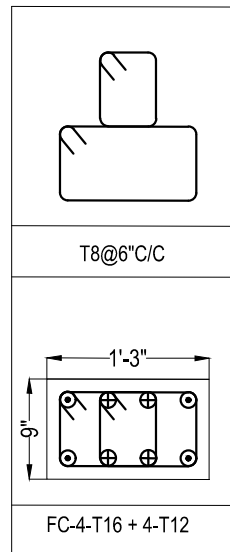
DRAWING NAME

GROUND FLOOR ROOF BEAM LAYOUT & GROUND FLOOR ROOF SLAB DETAILS

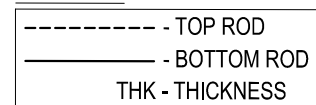
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R0	18/05/2023	ST-2023-60-01 06



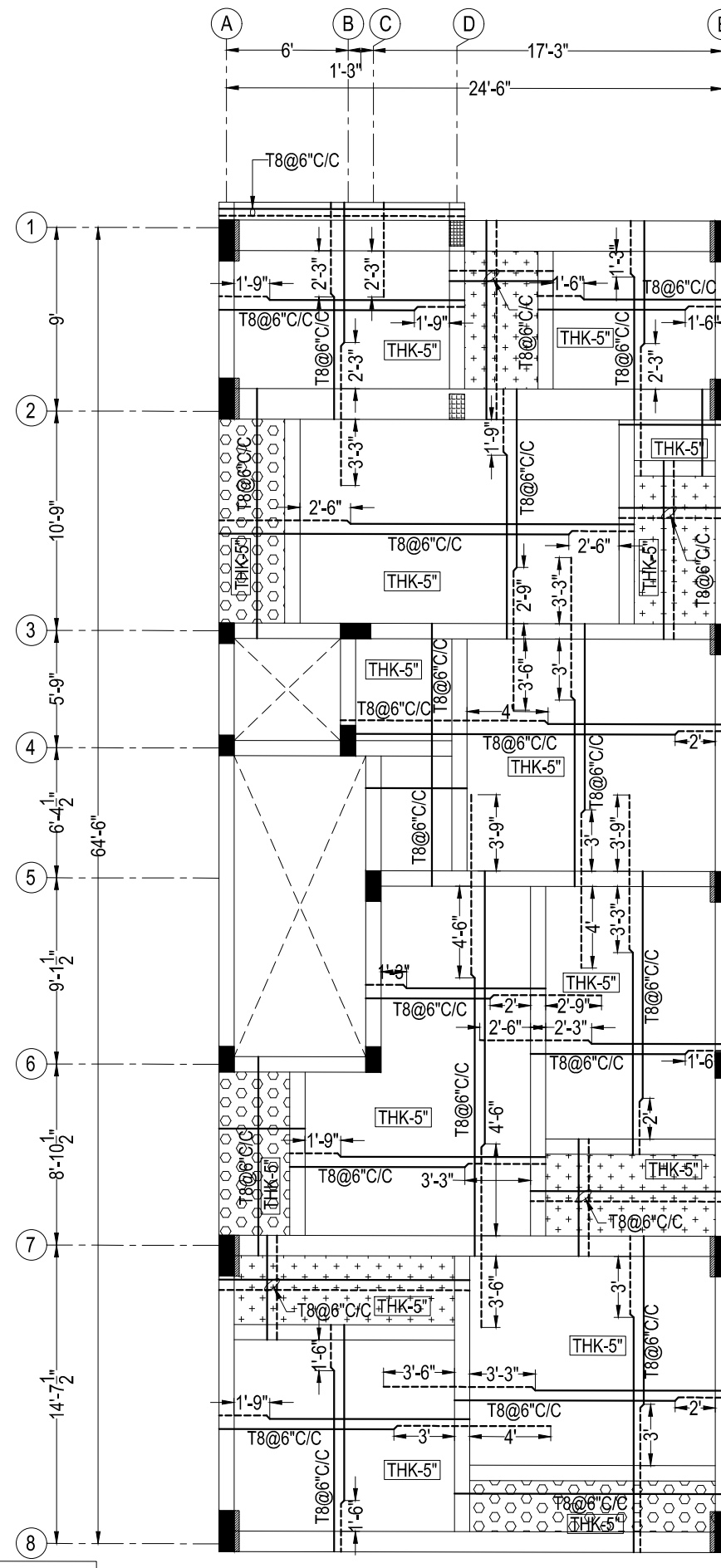
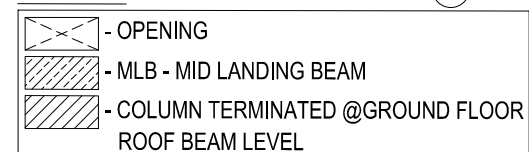
GROUND FLOOR ROOF BEAM LAYOUT



LEGENDS:



LEGENDS:



GROUND FLOOR ROOF SLAB LAYOUT & DETAILS

GROUND FLOOR ROOF BEAM REINFORCEMENT SCHEDULE:

BEAM SIZE & NO.	DETAIL @ LEFT SUPPORT	DETAIL @ MIDDLE	DETAIL @ RIGHT SUPPORT
(1'-6" X 2'-3") B1			
(9" X 1'-3") B2			
(9" X 1'-3") B3			
(9" X 1'-6") B4			
(9" X 2'-3") B5			
(9" X 1'-3") B6			

GROUND FLOOR ROOF BEAM REINFORCEMENT SCHEDULE:

BEAM SIZE & NO.	DETAIL @ LEFT SUPPORT	DETAIL @ MIDDLE	DETAIL @ RIGHT SUPPORT
(9" X 1'-3") B7			
(9" X 1'-6") B8			
(9" X 1'-6") B9			
(1'-0" X 2'-3") B10			
(1'-0" X 2'-3") B11			

LEGEND:

C - CONTINUOUS ROD
E - EXTRA ROD

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- CLEAR COVER TO REINFORCEMENT.
A. COLUMNS = 1 1/2"
B. FOUNDATION = 2"
C. GRADE BEAM = 1"
D. FLOOR BEAM = 1"
E. FLOOR SLAB = 3"
- THE BUILDING FOUNDATION HAS BEEN DESIGNED FOR S+3, THE REQUIRED CAPACITY OF SOIL IS 110 KN/M2. THE CONTRACTOR IS RESPONSIBLE FOR ATTAINING THIS CAPACITY 110 KN/M2 BY CONSULTING WITH SOIL EXPERTS.
- LOOSE SOIL IF ANY SHALL BE REMOVED BEFORE LAYING FOUNDATION.
- THE DEPTH OF BEAMS SHALL BE INCLUDING THE SLAB THICKNESS.

LAP JOINTS FOR REINFORCEMENT BARS :

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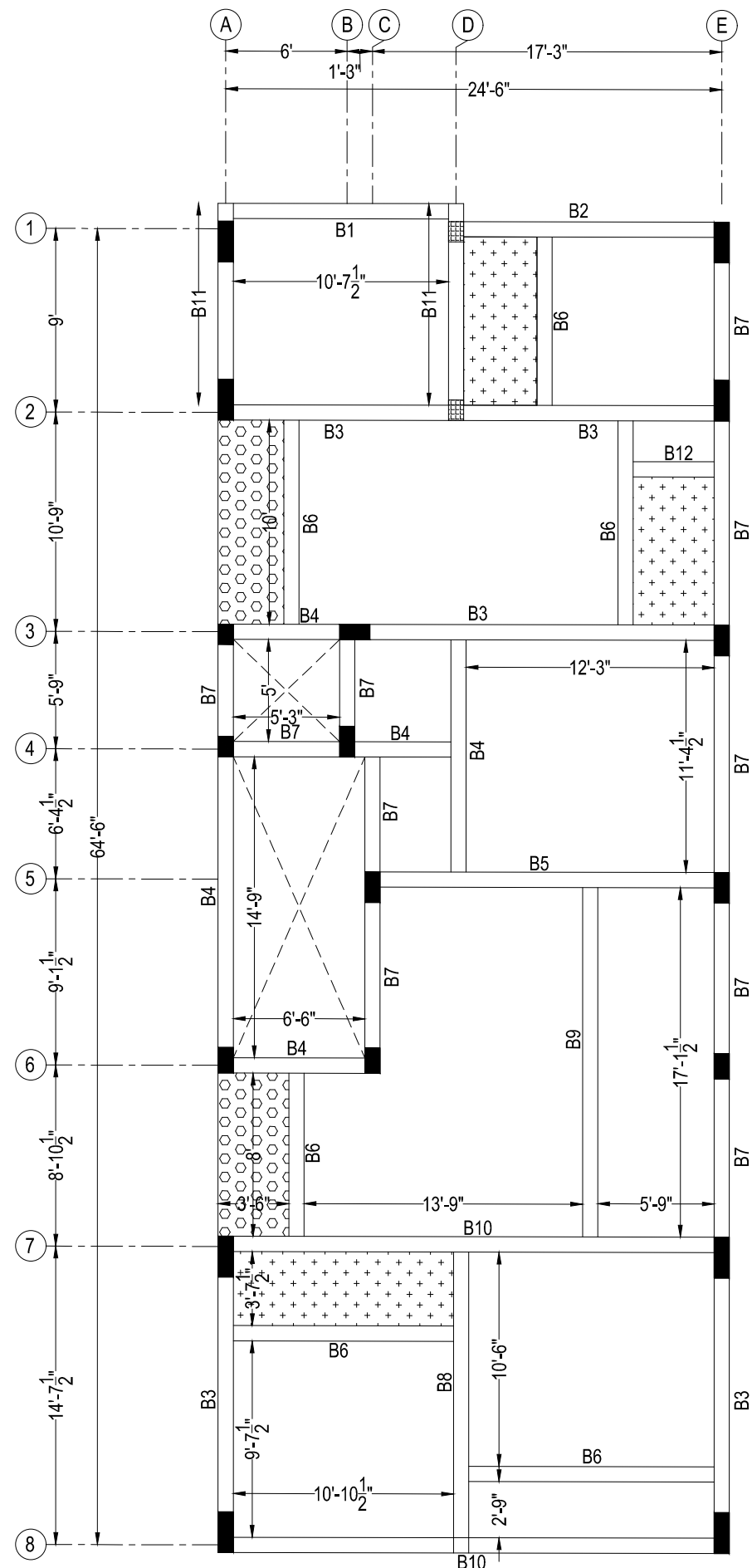
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DESIGNED	RELEASED FOR
DETAILED	<input type="checkbox"/> TENDER
SCALE 1:100	<input type="checkbox"/> APPROVAL
SHEET A3	<input checked="" type="checkbox"/> CONSTRUCTION

DRAWING NAME

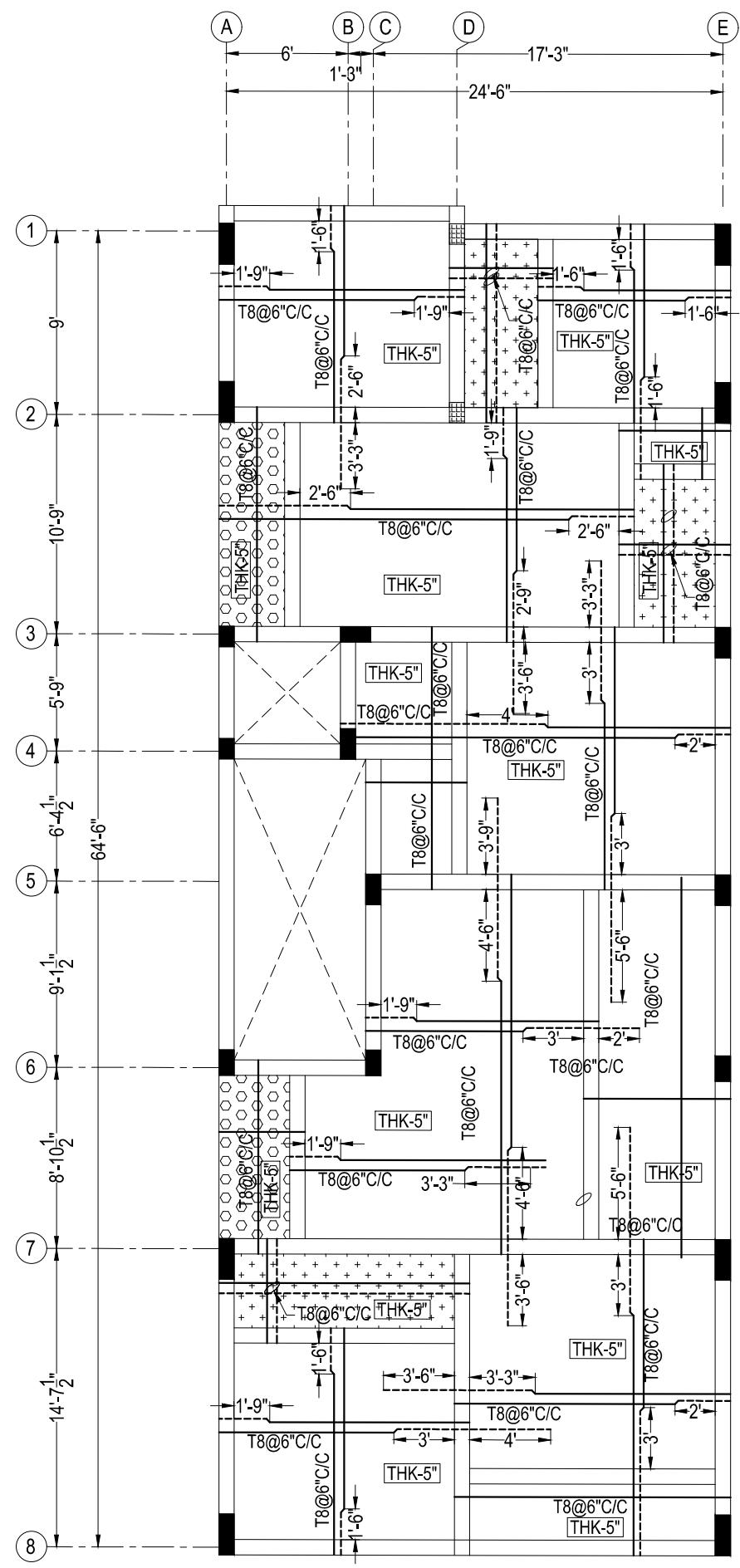
GROUND FLOOR ROOF BEAM DETAILS

REV	DATE	PROJECT NO	SHEET.NO
R0	18/05/2023	ST-2023-60-01	07



TYPICAL FLOOR ROOF BEAM LAYOUT

LEGENDS:
 - - - - - TOP ROD
 ———— BOTTOM ROD
 THK - THICKNESS



TYPICAL FLOOR ROOF SLAB LAYOUT & DETAILS

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 C. GRADE BEAM = 1"
 D. FLOOR BEAM = 1"
 E. FLOOR SLAB = 3"
10. THE BUILDING FOUNDATION HAS BEEN DESIGNED FOR S*3. THE REQUIRED CAPACITY OF SOIL IS 110 KN/M2. THE CONTRACTOR IS RESPONSIBLE FOR ATTAINING THIS CAPACITY 110 KN/M2 BY CONSULTING WITH SOIL EXPERTS.
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DETAILED	<input type="checkbox"/> TENDER
SCALE 1:100	<input type="checkbox"/> APPROVAL
SHEET A3	<input checked="" type="checkbox"/> CONSTRUCTION

DRAWING NAME

TYPICAL FLOOR ROOF BEAM LAYOUT

REV	DATE	PROJECT NO	SHEET.NO
R0	18/05/2023	ST-2023-60-01	08

TYPICAL ROOF FLOOR BEAM REINFORCEMENT SCHEDULE:

BEAM SIZE & NO.	DETAIL @ LEFT SUPPORT	DETAIL @ MIDDLE	DETAIL @ RIGHT SUPPORT	DETAIL @ CANTILEVER BEAM
(9" X 1'-3") B1	 3-T12(C) T8@7"C/C 2-T12(C)+1-T16(C)	 3-T12(C) T8@7"C/C 2-T12(C)+1-T16(C)	 3-T12(C) T8@7"C/C 2-T12(C)+1-T16(C)	-----
(9" X 1'-3") B2	 3-T12(C) T8@6"C/C 2-T16(C)+1-T12(C)	 3-T12(C) T8@6"C/C 2-T16(C)+1-T12(C)	 3-T12(C) T8@6"C/C 2-T16(C)+1-T12(C)	-----
(9" X 1'-6") B3	 2-T16(C) T8@5"C/C 2-T16(C) 2-T16(C)	 2-T16(C) T8@5"C/C 2-T16(C) 2-T16(C)	 2-T16(C) T8@5"C/C 2-T16(C) 2-T16(C)	-----
(9" X 1'-3") B4	 2-T16(C) T8@6"C/C 2-T16(C)+1-T12(C)	 2-T16(C) T8@6"C/C 2-T16(C)+1-T12(C)	 2-T16(C) T8@6"C/C 2-T16(C)+1-T12(C)	-----
(9" X 2'-3") B5	 2-T16(C) T8@5"C/C 3-T16(C)	 2-T16(C) T8@5"C/C 2-T20(E) 3-T16(C)	 2-T16(C) T8@5"C/C 3-T16(C)	-----
(9" X 1'-3") B6	 2-T12(C) T8@6"C/C 2-T12(C)+1-T16(C)	 2-T12(C) T8@6"C/C 2-T12(C)+1-T16(C)	 2-T12(C) T8@6"C/C 2-T12(C)+1-T16(C)	-----

TYPICAL FLOOR ROOF BEAM REINFORCEMENT SCHEDULE:

BEAM SIZE & NO.	DETAIL @ LEFT SUPPORT	DETAIL @ MIDDLE	DETAIL @ RIGHT SUPPORT	DETAIL @ CANTILEVER BEAM
(9" X 1'-3") B7	 2-T16(C) T8@8"C/C 3-T12(C)	 2-T16(C) T8@8"C/C 3-T12(C)	 2-T16(C) T8@8"C/C 3-T12(C)	-----
(9" X 1'-6") B8	 2-T12(C)+1-T16(C) T8@6"C/C 3-T16(C)	 2-T12(C)+1-T16(C) T8@6"C/C 2-T16(E) 3-T16(C)	 2-T12(C)+1-T16(C) T8@6"C/C 3-T16(C)	-----
(9" X 1'-6") B9	 2-T12(C)+1-T16(C) T10@6"C/C 3-T16(C)	 2-T12(C)+1-T16(C) T10@6"C/C 2-T20(E) 3-T16(C)	 2-T12(C)+1-T16(C) T10@6"C/C 3-T16(C)	-----
(9" X 2'-3") B10	 2-T16(C) T10@6"C/C 2-T25(C)	 2-T16(C) T10@8"C/C 2-T20(E) 2-T25(C)+1-T20(C)	 2-T16(C) T10@6"C/C 2-T25(C)	-----
(9" X 1'-6") B11	 2-T16(C) T8@5"C/C 3-T12(C)	 2-T16(C) T8@5"C/C 3-T12(C)	 2-T16(C) T8@5"C/C 3-T12(C)	-----
(9" X 1'-3") B12	 2-T12(C) T8@6"C/C 2-T12(C)	 2-T12(C) T8@6"C/C 2-T12(C)	 2-T12(C) T8@6"C/C 2-T12(C)	-----

LEGEND:

C - CONTINUOUS ROD
E - EXTRA ROD

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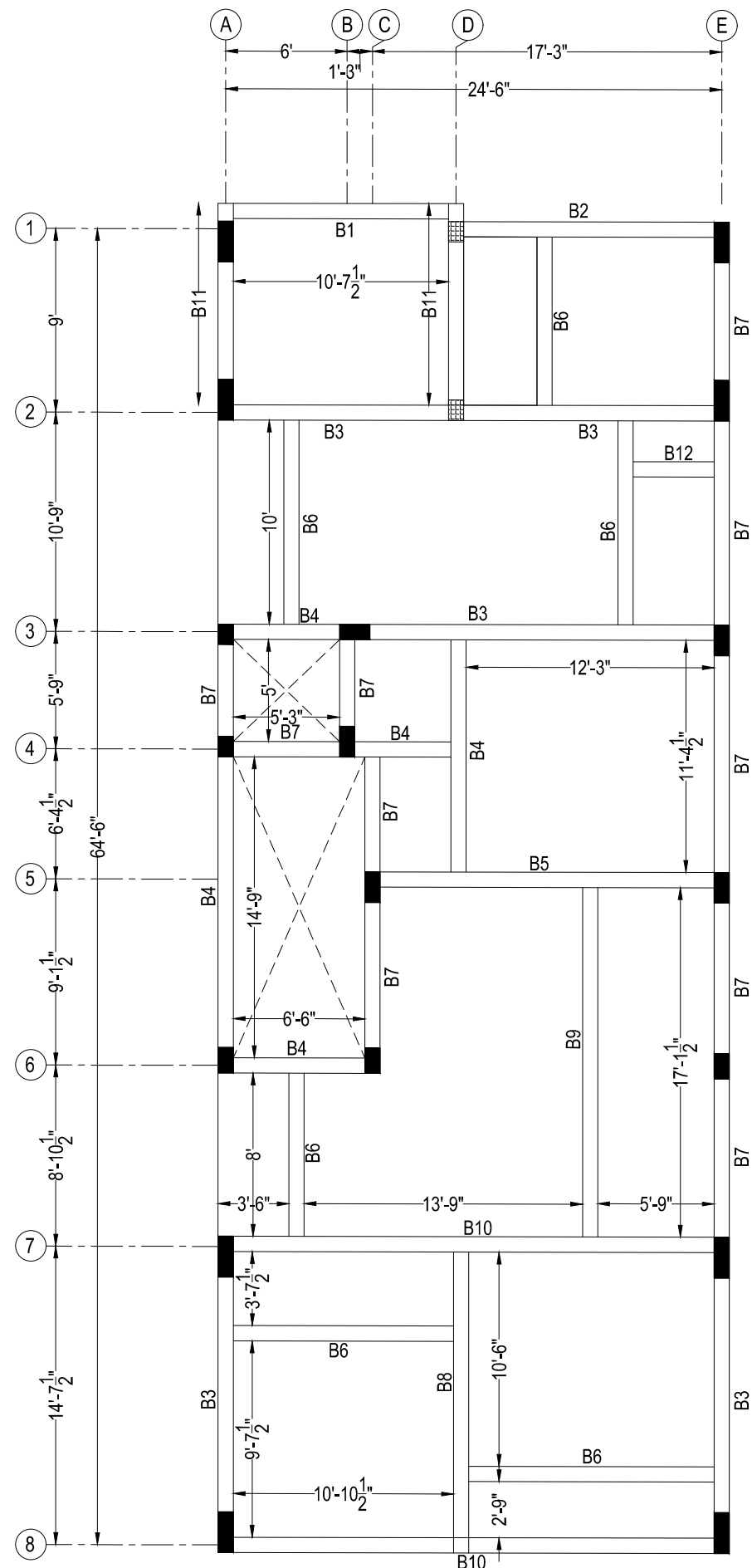
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SCALE 1:100	<input type="checkbox"/> APPROVAL
SHEET A3	<input checked="" type="checkbox"/> CONSTRUCTION

DRAWING NAME

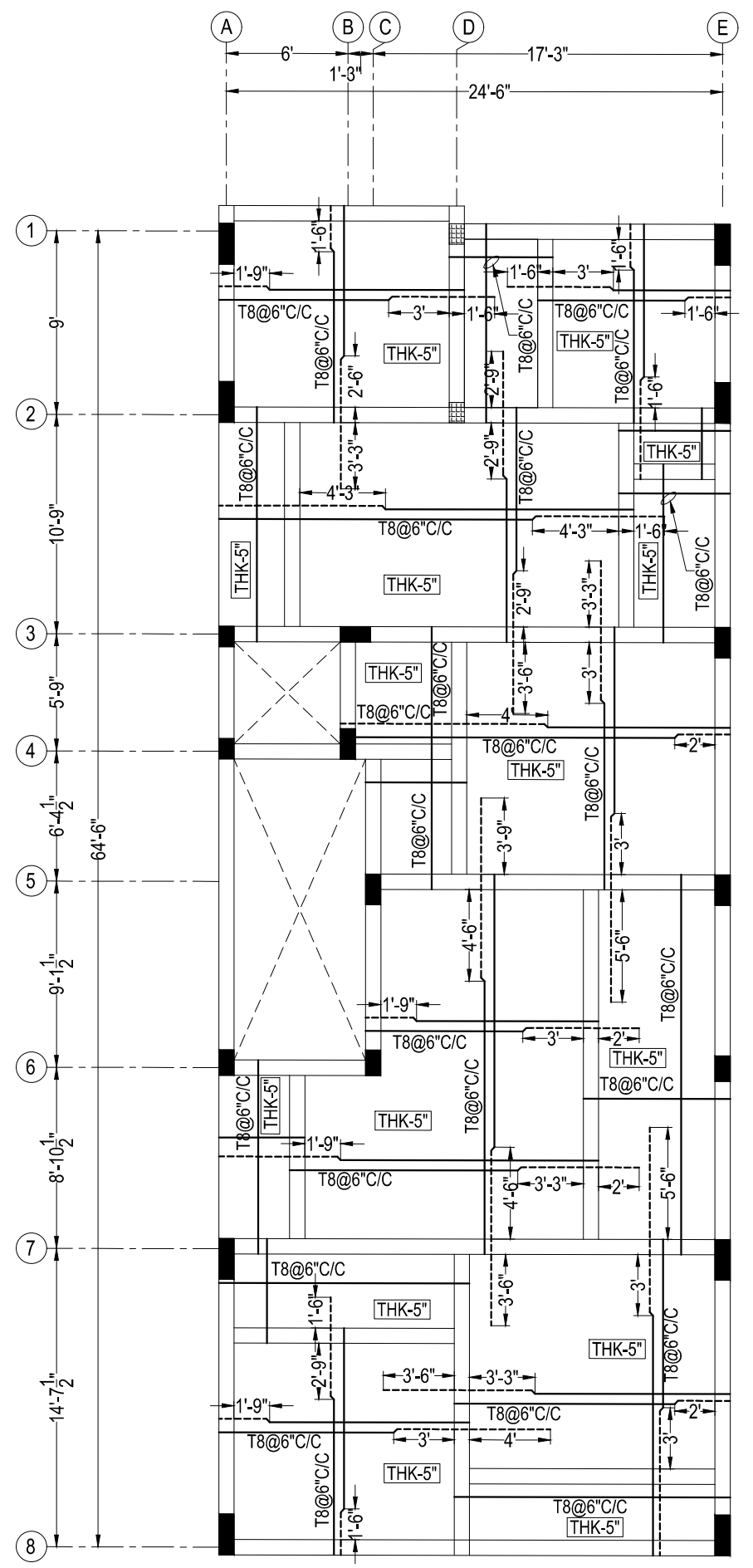
TYPICAL FLOOR ROOF BEAM DETAILS

REV	DATE	PROJECT NOS	SHEET.NO
R0	18/05/2023	ST-2023-60-01	09



TERRACE BEAM LAYOUT

LEGENDS:
 - - - - - TOP ROD
 ———— BOTTOM ROD
 THK - THICKNESS



TERRACE SLAB LAYOUT & DETAILS

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DETAILED	<input type="checkbox"/> TENDER
SCALE	1:100 <input type="checkbox"/> APPROVAL
SHEET	A3 <input checked="" type="checkbox"/> CONSTRUCTION

DRAWING NAME

TERRACE BEAM LAYOUT

REV	DATE	PROJECT NO	SHEET.NO
R0	18/05/2023	ST-2023-60-01	10

TERRACE BEAM REINFORCEMENT SCHEDULE:

BEAM SIZE & NO.	DETAIL @ LEFT SUPPORT	DETAIL @ MIDDLE	DETAIL @ RIGHT SUPPORT	DETAIL @ CANTILEVER BEAM
(9" X 1'-3") B1				-----
(9" X 1'-3") B2				-----
(9" X 1'-6") B3				-----
(9" X 1'-3") B4				-----
(9" X 2'-3") B5				-----
(9" X 1'-3") B6				-----

TERRACE BEAM REINFORCEMENT SCHEDULE:

BEAM SIZE & NO.	DETAIL @ LEFT SUPPORT	DETAIL @ MIDDLE	DETAIL @ RIGHT SUPPORT	DETAIL @ CANTILEVER BEAM
(9" X 1'-3") B7				-----
(9" X 1'-6") B8				-----
(9" X 1'-6") B9				-----
(9" X 2'-3") B10				-----
(9" X 1'-6") B11				-----
(9" X 1'-3") B12				-----

LEGEND:

C - CONTINUOUS ROD
E - EXTRA ROD

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DRAWING NAME

TERRACE BEAM DETAILS

REV	DATE	PROJECT NO	SHEET.NO
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