

NOTES

GENERAL NOTES & TECHNICAL NOTES
REFER SHEET [ST/TN01/RO]

- 1.GRADE OF CONCRETE :
M20 - (DESIGN MIX) (AS PER IS 456-2000)
- 2.GRADE OF STEEL - **Fe500D** (AS PER IS 1786-2008)
- 3.ANY DISCREPANCY FOUND IN THESE DRAWING SHOULD BE BROUGHT THE CONSULTANT ENGINEER NOTICE BEFORE EXECUTION.
- 4.DO NOT CAST ANY R.C.C WORK UNLESS IT IS CHECKED AND CONFIRMED BY SITE ENGINEER.
- 5.DESIGN OF PROPPING, SHUTTERING AND CONCRETE MIX IS CONTRACTOR OR CLIENT OR SITE PERSON RESPONSIBILITY .
- 6.CLEAR COVER FOR REINFORCEMENT SHALL BE AS FOLLOWS:-
 - A) GRADE / PLINTH BEAM :25 MM (1")
 - B) FOOTING / PILE CAP - BOTTOM :75 MM (3")
 - C) COLUMN :40 MM (1-1/2")
 - D) FOOTING / PILE CAP - SIDE :50 MM (2")
 - E) ALL ROOF BEAM :25 MM (1")
 - F) ALL ROOF SLAB :20 MM (3/4")
 - G) R.C.C WALL (SHEAR WALL,SUMP),40 MM (1-1/2")
 - H)PILE SIDE :50 MM (2")
 - I)SUMP BOTTOM SLAB :40 MM (1-1/2")
 - J)COVER SLAB :25 MM (1")
- 7.ASSUMED S.B.C OF THE SOIL IS CONSIDERED IS 20 T/M² AT 2M DEPTH. IF ANY LOOSE SAME SHALL BE STRATA FOUND THE INFORMED TO THE STRUCTURAL CONSULTANT BEFORE EXECUTION.
- 8. REINFORCEMENT SYMBOL IS : -
 - A) γ OR ○ HIGH YIELD STRENGTH BARS OF MINIMUM YIELD STRENGTH IS 500 N/MM².
 - B) R OR □ MILD STEEL OF MINIMUM YIELD STRENGTH IS 250 N/MM²
- 9. DO NOT SCALE THE DRAWING REFER FIGURED DIMENSIONS
- 10. LAPPING OR ANCHORAGE LENGTH
 - A) BEAM AND SLAB = 60 X DIA OF BAR
 - B) COLUMN = 48 X DIA OF BAR
- 11.FOUNDATION IS DESIGNED FOR G +2

DESIGN LOADS:

- 1. FLOOR SLAB - 2.5 kN/Sq.M
- 2. ROOF SLAB -1.5 kN/Sq.M

NOTES: THIS DRAWING IS VALID ONLY IF
CONSULTANT CHECK AT SITE



M-STRUCTURES

STRUCTURAL CONSULTANT

MAIL: MSTRUCUTE@GMAIL.COM

FOR QUERIES: 9345700173

9360945808

CLIENT:

SURVEY NO:

USE:

NO. OF FLOORS:

LOCATION:

RESIDENT

G + TWO

TITLE:

TITLE PAGE

DESIGNED:

CHECKED:

DATE:

SHEIK

JAMEEL

MAR 2024

DRAWN:

APPROVED:

SCALE:

SHEIK

JAMEEL

1 : 100

PROJECT NO:

DRAWING NO:

MS/2024/320

ST/TP01/RO

STRUCTURAL DETAILS/DRAWINGS PROVIDED FOR GIVEN ARCH. DRAWINGS			
S.NO.	DESCRIPTION	DRAWING NO	REMARKS
1.	TECHNICAL NOTES	ST/FFD01/R0	✓
2.	FLOOR PLAN	ST/FFD02/R0	✓
3.	LAYOUT OF FOOTING	ST/FFD02/R0	✓
4.	FOOTING DETAIL	ST/FFD03/R0	✓
5.	LAYOUT OF COLUMN	ST/CL01/R0	✓
6.	COLUMN DETAIL	ST/CL02/R0	✓
7.	COLUMN LAPPING	ST/CL03/R0	✓
8.	GRADE BEAM LAYOUT	ST/GB01/R0	✓
9.	GRADE BEAM DETAIL-1	ST/GB02/R0	✓
10.	GRADE BEAM DETAIL-2	ST/GB03/R0	✓
11.	GRADE BEAM DETAIL-3	ST/GB04/R0	✓
12.	BELT BEAM LAYOUT	ST/BB01/R0	✓
13.	GROUND FLOOR ROOF BEAM AND SLAB LAYOUT	ST/GFB01/R0	✓
14.	GROUND FLOOR ROOF BEAM DETAIL-1	ST/GFB02/R0	✓
15.	GROUND FLOOR ROOF BEAM DETAIL-2	ST/GFB03/R0	✓
16.	GROUND FLOOR ROOF SLAB DETAIL	ST/GFB04/R0	✓
17.	FIRST FLOOR ROOF BEAM AND SLAB LAYOUT	ST/FFB01/R0	✓
18.	FIRST FLOOR ROOF BEAM DETAIL-1	ST/FFB02/R0	✓
19.	FIRST FLOOR ROOF BEAM DETAIL-2	ST/FFB03/R0	✓
20.	FIRST FLOOR ROOF BEAM SLAB DETAIL	ST/FFB04/R0	✓
21.	STAIR CASE DETAIL	ST/FFB02/R0	✓

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- 4.SOIL IMPROVEMENT SHOULD BE DONE BELOW P.C.C BY THE MIXTURE OF 1:2 PROPORTION OF (QUARRY DUST / RIVER SAND) : (GRAVEL DUST) .
- 5.EXCAVATED CLAY SOIL OR BLACK SOIL SHOULD NOT BE USED FOR REFILLING.
- 6.DURING EXCAVATION, NEIGHOR ADJACENT EXISTING BUILDING SHOULD BE PROTECTED BY PROVIDING ALL NECESSARY BRACING, SHORING OR OTHER TEMPORARY SUPPORTS.
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REFER SHEET [ST/NO1/RO]

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✓	GOOD FOR CONSTRUCTION

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2. ROOF SLAB - 1.5 KN/Sq.M

CONCRETE MIX

1 : 1.5 : 3

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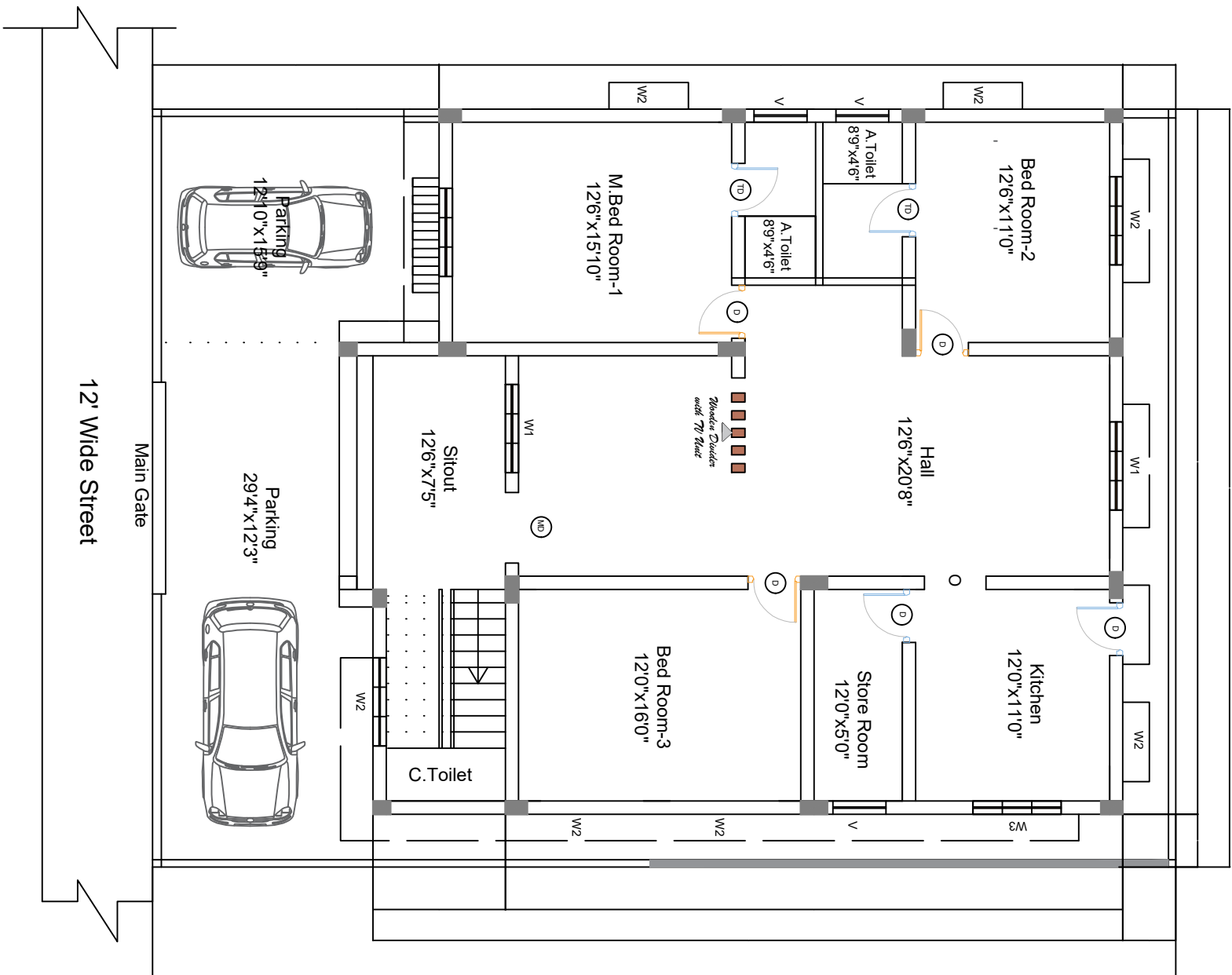
TITLE:

STRUCTURAL DRAWING
FLOOR PLAN-1

DESIGNED: SHEIK
CHECKED: JAMEEL
DATE: MAR 2024

DRAWN: SHEIK
APPROVED: JAMEEL
SCALE: 1 : 125

PROJECT NO: MS/2024/320
DRAWING NO: ST/FD01/RO



1) GENERAL NOTES:

- 1. ALL DIMENSIONS ARE TO BE VERIFIED PROPERLY AT THE SITE.
- 2. ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHER WISE MENTIONED.
- 3. ALL LEVELS ARE IN FEET UNLESS OTHER WISE MENTIONED.
- 4. ANY DISCREPANCY FOUND IN THESE DRAWING SHOULD BE BROUGHT THE CONSULTANT ENGINEER NOTICE BEFORE EXECUTION.
- 5. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS.

2) CONCRETE NOTES:

- 1. MIX FOR ALL R.C.C. WORK SHALL BE GRADED M-20 TO HAVE CUBE CRUSHING STRENGTH OF CONCRETE IS 20 N/mm² AT 28 DAYS. MIX SHOULD BE VERIFIED BEFORE CASTING AND APPROVED BY THE ENGINEER. DESIGN AND CONSTRUCTION TO COMPLY WITH IS 10262:1982.

CONCRETE GRADE	MIX RATIO	MAXIMUM W/C RATIO
M 20	1 : 1.5 : 3	0.55
M 25	1 : 1 : 2	0.50

2. CONCRETE COVERS AS FOLLOWS

- 2.1 FOR GRADE / PLINTH BEAM 25 MM (1")
- 2.2 FOR FOOTING / PILE CAP BOTTOM 75 MM (3")
- 2.3 FOR COLUMN 40 MM (1-1/2")
- 2.4 FOR FOOTING / PILE CAP SIDE 50 MM (2")
- 2.5 FOR ALL ROOF BEAM 25 MM (1")
- 2.6 FOR ALL ROOF SLAB 20 MM (3/4")
- 2.7 FOR R.C.C WALL (SHEAR WALL,SUMP) 40 MM (1-1/2")
- 2.8 FOR PILE SIDE 50 MM (2")
- 2.9 FOR SUMP BOTTOM SLAB 40 MM (1-1/2")
- 2.10 FOR COVER SLAB 25 MM (1")

- 3. ORDINARY PORTLAND CEMENT TO BE USED FOR ALL WORKS ABOVE PLINTH, UNLESS OTHERWISE SHOWN ON THE DRAWINGS.

- 4. PLAIN CONCRETE USED BELOW FOOTINGS SHALL BE OF MINIMUM STRENGTH AT 28 DAYS OF 10 N/Sq.mm AND MINIMUM CEMENT OF 220 Kg/Cube.m.

- 5. NO OPENING SHALL BE MADE IN CONCRETE WORKS WITHOUT WRITTEN PERMISSION OF THE ENGINEER.

- 6. SIZE OF COLUMN BELOW PLINTH LEVEL IS TO BE INCREASED ON EACH SIDE OF MINIMUM 1 1/2" (40MM) TO INCREASE THE CLEAR CONCRETE COVER.

- 7. VIBRATORS MUST TO BE USED FOR ALL CONCRETING WORKS.

- 8. AFTER CONCRETING, CURING SHOULD BE DONE AS PER THE INSTRUCTION GIVEN IN THE CURING NOTES.

- 9. ADMIXTURES CANNOT BE USED WITHOUT THE APPROVAL OF STRUCTURAL CONSULTANT.

- 10. MINIMUM 6 NOS. OF CONCRETE CUBE SHALL BE TAKEN ON EACH DAY OF CONCRETING OR FOR EACH 100 Cu.be.m. OF CONCRETE OR AS DECIDED BY THE ENGINEER. THE CUBES SHALL BE TESTED AT A LABORATORY APPROVED BY THE ENGINEER AND IN ACCORDANCE WITH THE RECOMMENDATIONS OF IS IS 456 - 2000.

- 11. ALL CONSTRUCTION JOINTS, COLUMN HEADS CONCRETE TO BE CHIPPED BEFORE NEW CONCRETING.

3) STEEL REINFORCEMENT NOTES:

- 1. REINFORCING BARS ARE TO IS 1786-2008.
- 2. Y DENOTES HIGH YIELD STRENGTH DEFORMED BARS Fe 500 GRADE CONFIRM TO IS: 1786-2008.
- 3. REINFORCEMENT BARS ARE TO BE COLD BENT WITH A MAXIMUM RADIUS OF 8 TIMES DIAMETER, EXCEPT FOR STIRRUPS AND COLUMN TIES WHICH ARE TO BE 4 TIMES BAR DIAMETER.
- 4. ALL LAPS SHALL CONFORM TO IS:456-2000. THE DEVELOPMENT LENGTH TABLE AS FOLLOWS

CONCRETE GRADE	STEEL GRADE	TENSION (EX: BEAM, etc.)	COMPRESSION (EX: COLUMN, etc.)
M 20	Fe 500	60 X d	48 X d
M 25	Fe 500	50 X d	40 X d
M 30	Fe 500	48 X d	38 X d

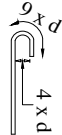
NOTES:
'd' INDICATES THE DIAMETER OF THE BAR

- 5. WHERE BARS END IN COLUMNS, BEAMS & SLABS, A HOOK OF 90° OR 180° SHOULD BE PROVIDED WITH A STRAIGHT END AS FOLLOWS.
- 6. PROVIDE REQUIRED NUMBER OF CHAIRS FOR ALL THE SLAB AREA.

i. FOR 90° BENDING



ii. FOR 180° BENDING



4) FOUNDATION NOTES:

- 1. SAFE BEARING CAPACITY OF SOIL (S.B.C) IS SHOWN ON THE FOUNDATION DRAWINGS.
- 2. AFTER EXCAVATION, BACKFILLS SHALL BE COMPACTED 95 % OF THE MAXIMUM DRY DENSITY OF THE SOIL.
- 3. SITE ENGINEER SHOULD CHECK THE EXISTING NEIGHBOR BUILDING SAFETY BEFORE AND DURING THE TIME OF EXCAVATION.
- 4. IF WE FOUND GROUND WATER DURING EXCAVATION, CONTACT STRUCTURAL CONSULTANT.
- 5. FOUNDATION SHOULD BE RESTED ON P.C.C.
- 6. ALL SUB STRUCTURES (BELOW N.G.L) IN CONTACT WITH SOIL SHALL BE PAINTED WITH TWO COATS OF BITUMEN.
- 7. GROUND IMPROVEMENT TECHNIQUES SHOULD BE DONE IF THE SOIL CONDITIONS IS VERY LOOSE BY PROVIDING LIME SAND PILING OR STONE COLUMN PILING.

5) FORM WORK NOTES:

- 1. STABILITY OF THE FORM WORK RESPONSIBILITY OF THE CONTRACTOR.
- 2. FOR FORM WORK, SHUTTERING MATERIALS, CONCRETE LEVELING, JACK SUPPORTS SHOULD BE APPROVED BY SITE ENGINEER BEFORE STEEL FABRICATION.
- 3. APPLY OIL OR GREASE INSIDE THE SURFACE OF THE SHUTTERING MATERIALS.
- 4. REMOVAL OF FORM WORKS
 - 4.1 FOR COLUMNS AND ROOF BEAM SIDE, FORM WORK CAN BE REMOVED AFTER 24 HOURS FROM CASTING IF 43 GRADE CEMENT IS USED.
 - 4.2 FOR COLUMNS AND ROOF BEAM SIDE, FORM WORK CAN BE REMOVED AFTER 12 HOURS FROM CASTING IF 53 GRADE CEMENT IS USED.
 - 4.3 FOR ROOF BEAM BOTTOM CLEAR SPAN LESS THAN 6M, FORM WORK CAN BE REMOVED AFTER 14 DAYS FROM CASTING IF 43 GRADE CEMENT IS USED.
 - 4.4 FOR ROOF BEAM BOTTOM CLEAR SPAN LESS THAN 6M, FORM WORK CAN BE REMOVED AFTER 07 DAYS FROM CASTING IF 53 GRADE CEMENT IS USED.
 - 4.5 FOR ROOF BEAM BOTTOM CLEAR SPAN MORE THAN 6M, FORM WORK CAN BE REMOVED AFTER 21 DAYS FROM CASTING IF 43 GRADE CEMENT IS USED.
 - 4.6 FOR ROOF BEAM BOTTOM CLEAR SPAN MORE THAN 6M, FORM WORK CAN BE REMOVED AFTER 14 DAYS FROM CASTING IF 53 GRADE CEMENT IS USED.

6) CURING WORK NOTES:

- 1. AFTER COMPLETION OF THE CONCRETING WORK CURING IS MUST IN 8 HOURS.
- 2. MINIMUM 7 DAYS AND MAXIMUM 21 DAYS CURING OF CONCRETE REQUIRED TO ATTAIN THE PROPOSED STRENGTH OF THE CONCRETE.
- 3. VERTICAL PORTION OF THE CONCRETE ELEMENT SHOULD BE CURED USING JUTE BAGS ETC. TO KEEP THE CONCRETE WET.

STAMP AND SIGNATURE

SIGNATURE OF SITE ENGINEER/SITE INCHARGE:
(NOTE: THE NOTES COMPULSORY FOLLOW IN ALL SITE STRUCTURAL WORKS. IF YOU WANT ANY CLARIFICATION CONSULT WITH STRUCTURAL OFFICE. IF YOU DO NOT FOLLOWS TAKE YOUR OWN RISK. NOT RESPONSIBILITY IN A STRUCTURAL CONSULTANCY.)

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**M-STRUCTURES**
STRUCTURAL CONSULTANT

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9345700173
9360945808

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SURVEY NO:

USE:

BLOCK NO:

RESIDENT

NO. OF FLOORS: G + TWO

LOCATION:

TITLE:
STRUCTURAL DRAWING
TECHNICAL NOTES

DESIGNED: SHEIK

CHECKED: JAMEEL

DATE: MAR 2024

DRAWN: SHEIK

APPROVED: JAMEEL

SCALE: 1 : 100

PROJECT NO: MS/2024/320

DRAWING NO: ST/TN01/RO

NOTES

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8. LAPING OR ANCHORAGE LENGTH
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DESIGN LOADS:

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CONCRETE MIX

1 : 1.5 : 3

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M-STRUCTURES
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9560945808

CLIENT:

SURVEY NO:

USE:

BLOCK NO:

RESIDENT
G + TWO

TITLE:

STRUCTURAL DRAWING
LAYOUT OF FOOTING

DESIGNED:

SHEIK

CHECKED:

JAMEEL

DATE:

MAR 2024

DRAWN:

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SCALE:

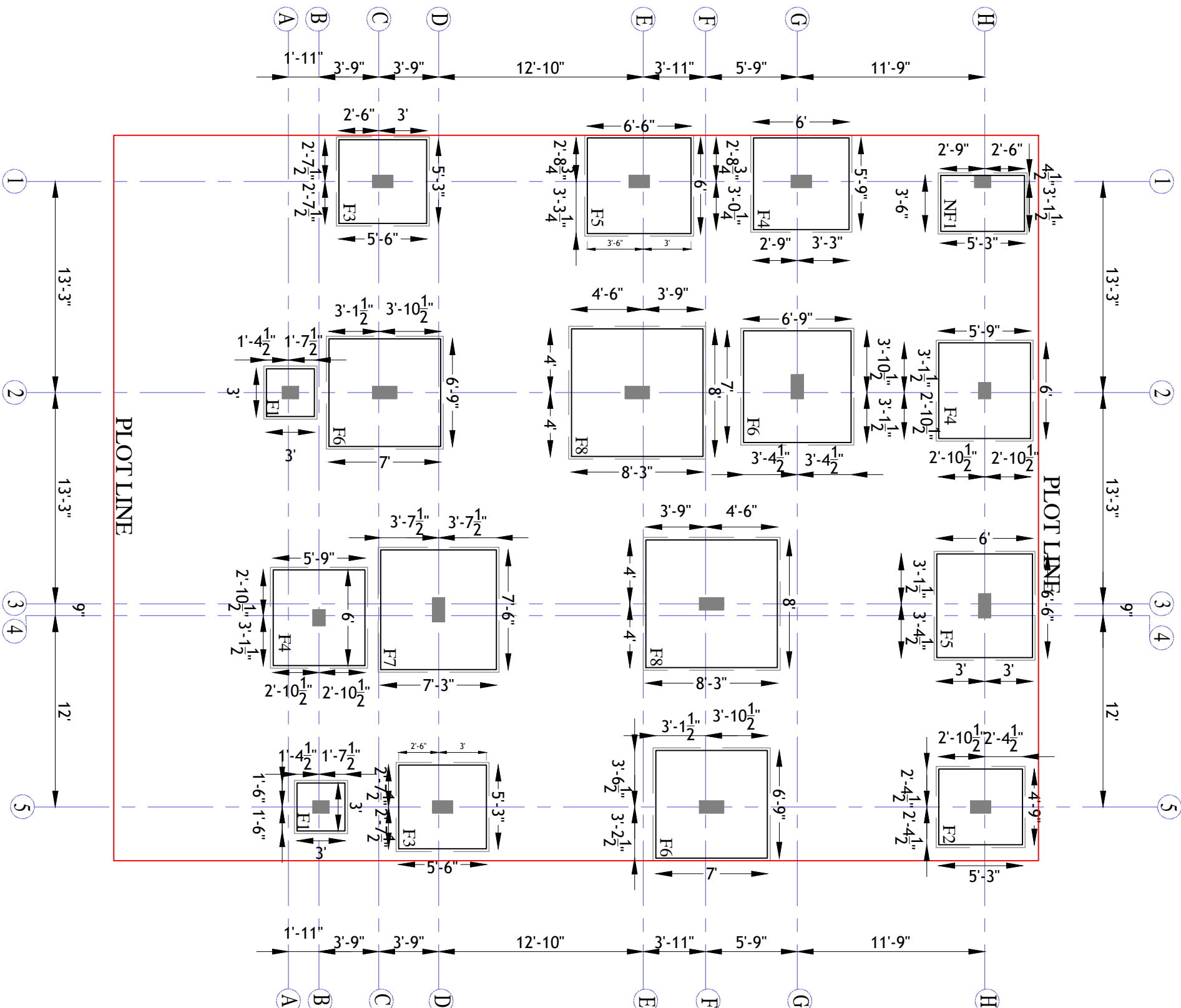
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LAYOUT OF FOOTING

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TITLE: **STRUCTURAL DRAWING**
FOUNDATION DETAIL

DESIGNED:

SHEIK

CHECKED:

JAMEEL

DATE:

MAR 2024

DRAWN:

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APPROVED:

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SCALE:

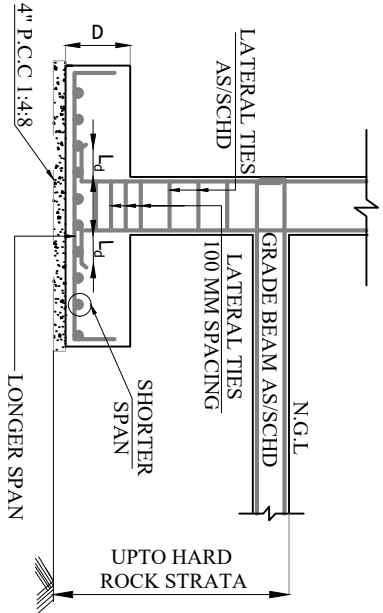
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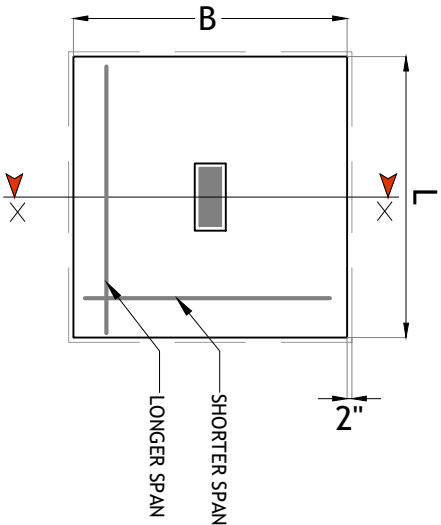
MS/2024/320

DRAWING NO:

ST/FD02/RO



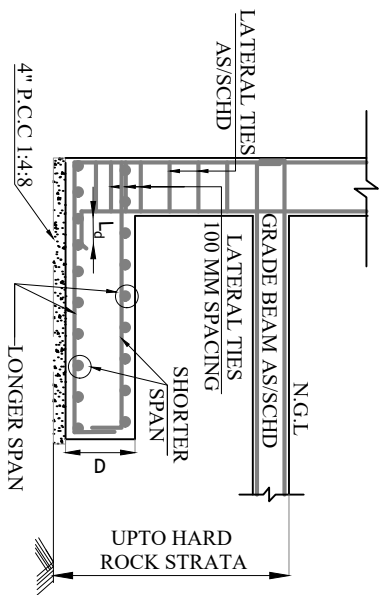
ISOLATED FOOTING TYPICAL SECTION



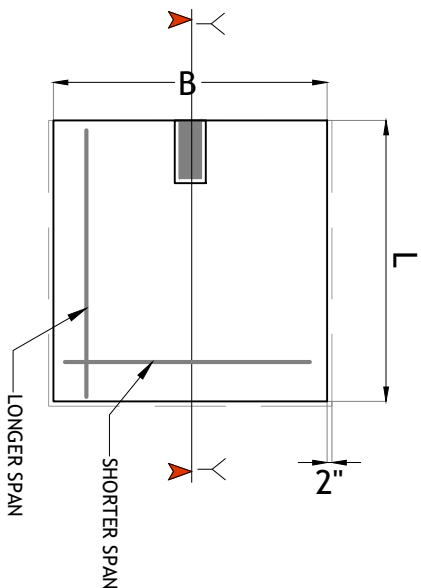
FOOTING TYPICAL PLAN

NOTE:

L_p SHOULD BE MINIMUM 1FEET OR GREATER



NEIGHBOR FOOTING TYPICAL SECTION



FOOTING TYPICAL PLAN

NOTE:

L_p SHOULD BE MINIMUM 1FEET OR GREATER

SCHEDULE OF FOOTINGS

TYPE	GRID	NO OF FOOTING	R.C.C. SIZE				FOOTING REINFORCEMENT		REMARKS
			L	B	D	d	SHORT SPAN	LONG SPAN	
F1	A2,B5	2	3'0"	3'0"	12"	---	Y10 @ 5" c/c	Y10 @ 5" c/c	
F2	H5	1	5'3"	4'9"	12"	---	Y10 @ 5" c/c	Y10 @ 5" c/c	
F3	C1,D5,	2	5'6"	5'3"	15"	---	Y12 @ 5" c/c	Y12 @ 5" c/c	
F4	B4,G1,H2	3	6'0"	5'9"	15"	---	Y12 @ 5" c/c	Y12 @ 5" c/c	
F5	E1,H3	2	6'6"	6'0"	15"	---	Y12 @ 5" c/c	Y12 @ 5" c/c	
F6	C2,F5,G2	3	7'0"	6'9"	18"	---	Y12 @ 5" c/c	Y12 @ 5" c/c	
F7	D3	1	7'6"	7'3"	18"	---	Y12 @ 5" c/c	Y12 @ 5" c/c	
F8	E2,F3	2	8'3"	8'0"	21"	---	Y12 @ 5" c/c	Y12 @ 5" c/c	
NF1	H1	1	5'3"	3'6"	12"	---	Y12 @ 5" c/c	Y12 @ 5" c/c	TOP&BOTTOM

TO DOWNLOAD FT-IN CALCULATOR

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- 1.GRADE OF CONCRETE : **M20** - (DESIGN MIX) (AS PER IS 456-2000)
- 2.GRADE OF STEEL - **Fe500D** (AS PER IS 1786-2008)
- 3.ANY DISCREPANCY FOUND IN THESE DRAWING SHOULD BE BROUGHT THE CONSULTANT ENGINEER NOTICE BEFORE EXECUTION.
- 4.DO NOT CAST ANY R.C.C WORK UNLESS IT IS CHECKED AND CONFIRMED BY SITE ENGINEER.
- 5.DESIGN OF PROPPING, SHUTTERING AND CONCRETE MIX IS CONTRACTOR OR CLIENT OR SITE PERSON RESPONSIBILITY.
- 6.CLEAR COVER FOR REINFORCEMENT SHALL BE AS FOLLOWS:-
- A) GRADE / PLINTH BEAM :25 MM (1")
- B) COLUMN :40 MM (1-1/2")
- C) FOOTING / PILE CAP - SIDE :50 MM (2")
7. REINFORCEMENT SYMBOL IS :-
- A) Y OR O HIGH YIELD STRENGTH BARS OF MINIMUM YIELD STRENGTH IS 500 N/MM².
- B) R OR Q MILD STEEL OF MINIMUM YIELD STRENGTH IS 250 N/MM²
8. DO NOT SCALE THE DRAWING,REFER FIGURED DIMENSIONS
- 9.SIZE OF COLUMN BELOW PLINTH LEVEL IS TO BE INCREASED ON EACH SIDE OF MINIMUM 1¹/₂" (40MM) TO INCREASE THE CLEAR CONCRETE COVER.
- 10.READ AND EXECUTE THIS STRUCTURAL DRAWING ALONG WITH ARCHITECTURAL DRAWING.
11. LAPPING OR ANCHORAGE LENGTH
- A) BEAM AND SLAB = 60 X DIA OF BAR
- B) COLUMN = 48 X DIA OF BAR
- DESIGN LOADS:**
1. FLOOR SLAB - 2.5 KNSq.M
2. ROOF SLAB -1.5 KNSq.M
- DRAWING STATUS**
- | | |
|-----------------------|---|
| FOR REVIEW ONLY - | |
| NOT FOR CONSTRUCTION | |
| GOOD FOR CONSTRUCTION | ✓ |

NOTES: THIS DRAWING IS VALID ONLY IF
CONSULTANT CHECK AT SITE

**M-STRUCTURES**
STRUCTURAL CONSULTANT

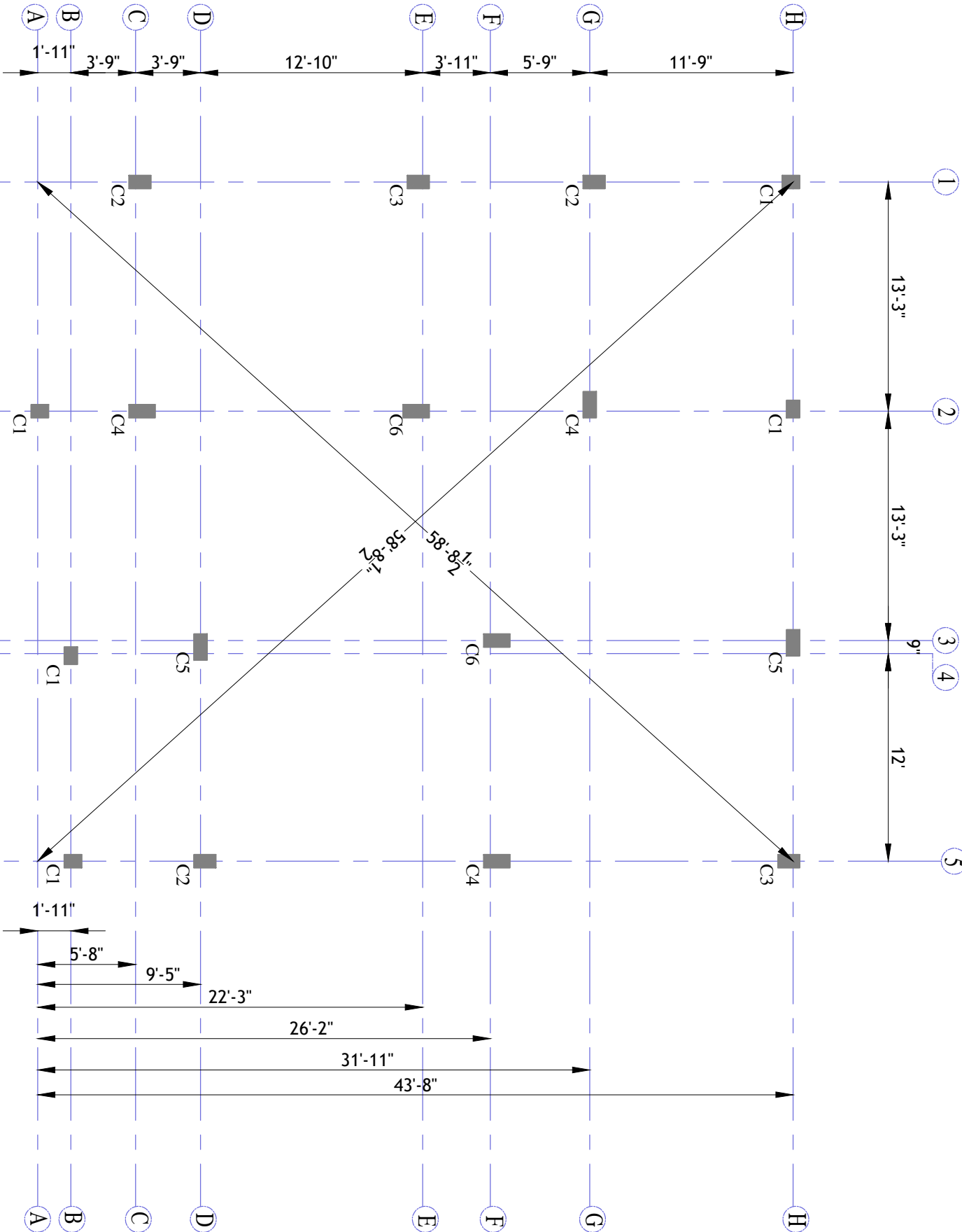
MSTRUCUTE@GMAIL.COM
FOR QUERIES: 8270017322
9345700173
9560945808

CLIENT: SURVEY NO: BLOCK NO:

USE: NO. OF FLOORS: LOCATION: RESIDENT G + TWO

TITLE: STRUCTURAL DRAWING
COLUMN MARKING LAYOUT

DESIGNED: JAMIEL	CHECKED: JAMIEL	DATE: MAR 2024
DRAWN: SHEIK	APPROVED: JAMIEL	SCALE: 1 : 100
PROJECT NO: MS/2024/320	DRAWING NO: ST/CL01/RO	



COLUMN MARKING DRAWING

DIAGONAL LENGTHS	
GRID	LENGTH
A1-H6	58'-8.5"
A6-H1	58'-8.5"

LAPPING NOTES

MINIMUM LAP LENGTH FOR COLUMN (48D) SHOULD BE AS FOLLOWS:

DIAMETER OF BAR	LAP LENGTH
12 mm	2' 0"
16 mm	2' 6"
20 mm	3' 3"
25 mm	4' 0"

GENERAL NOTES & TECHNICAL NOTES
REFER SHEET (ST/TN01/RO)

- 1.GRADE OF CONCRETE: **M20** - (DESIGN MIX) (AS PER IS 456-2000)
- 2.GRADE OF STEEL - **F6500D** (AS PER IS 1786-2008)
- 3.ANY DISCREPANCY FOUND IN THESE DRAWING SHOULD BE BROUGHT THE CONSULTANT ENGINEER NOTICE BEFORE EXECUTION.
- 4.DO NOT CAST ANY R.C WORK UNLESS IT IS CHECKED AND CONFIRMED BY SITE ENGINEER.
- 5.DESIGN OF PROPPING, SHUTTERING AND CONCRETE MIX IS CONTRACTOR OR CLIENT OR SITE PERSON RESPONSIBILITY.
- 6.CLEAR COVER FOR REINFORCEMENT SHALL BE AS FOLLOWS:-
- A) GRADE / PLINTH BEAM :25 MM (1")
- B) COLUMN :40 MM (1-1/2")
- C) FOOTING / PILE CAP - SIDE :50 MM (2")
7. REINFORCEMENT SYMBOL IS: -
- A) Y OR O HIGH YIELD STRENGTH BARS OF MINIMUM YIELD STRENGTH IS 500 N/MM².
- B) R OR Q MILD STEEL OF MINIMUM YIELD STRENGTH IS 250 N/MM²
8. DO NOT SCALE THE DRAWING,REFER FIGURED DIMENSIONS
- 9.SIZE OF COLUMN BELOW PLINTH LEVEL IS TO BE INCREASED ON EACH SIDE OF MINIMUM 1½" (40MM) TO INCREASE THE CLEAR CONCRETE COVER.
- 10.READ AND EXECUTE THIS STRUCTURAL DRAWING ALONG WITH ARCHITECTURAL DRAWING.
11. LAPPING OR ANCHORAGE LENGTH
- A) BEAM AND SLAB = 60 X DIA OF BAR
- B) COLUMN = 48 X DIA OF BAR

DRAWING STATUS	
FOR REVIEW ONLY -	
NOT FOR CONSTRUCTION	
GOOD FOR CONSTRUCTION	✓

DESIGN LOADS:

1. FLOOR SLAB - 2.5 kN/Sq.M
2. ROOF SLAB -1.5 kN/Sq.M

NOTES: THIS DRAWING IS VALID ONLY IF CONSULTANT CHECK AT SITE



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MSTRUCTUTE@GMAIL.COM
FOR QUERIES: 9345700173
9360945808

CLIENT:

SURVEY NO:

USE:

NO. OF FLOORS:

RESIDENT

G + TWO

LOCATION:

TITLE:

STRUCTURAL DRAWING
LAYOUT OF COLUMN

DESIGNED:

CHECKED:

JAMEEL

JAMEEL

DATE:

MAR 2024

DRAWN:

APPROVED:

SHEIK

JAMEEL

SCALE:

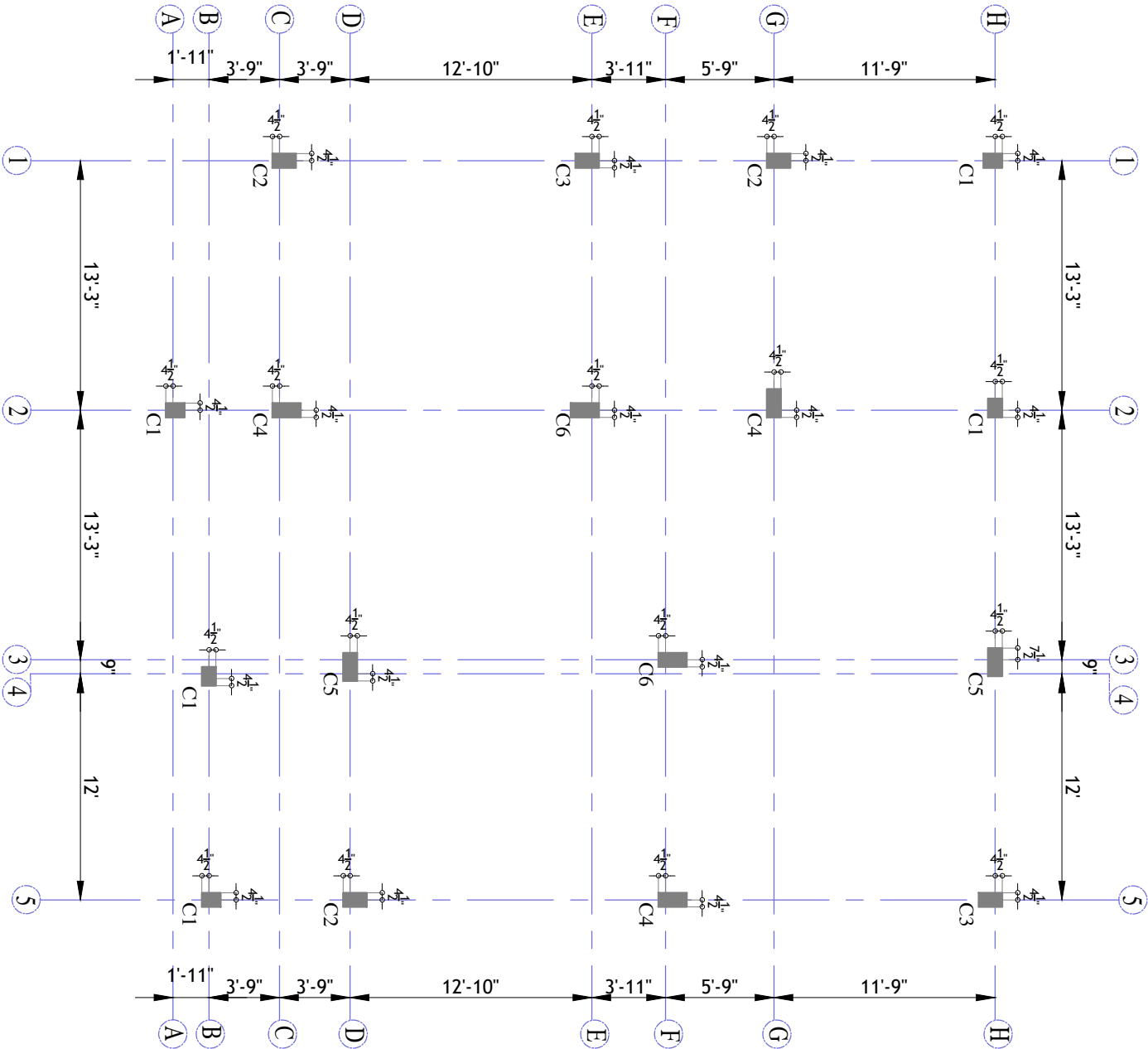
1 : 100

PROJECT NO:

DRAWING NO:

MS/2024/320

ST/CL01/RO



LAYOUT OF COLUMN

NOTE :
1.COLUMN LAPPING LENGTH, Ld = (48xD) FOR M20
GRADE OF CONCRETE & F6500 GRADE OF STEEL

NOTES

GENERAL NOTES & TECHNICAL NOTES
REFER SHEET [ST/TN01/RO]

- 1.GRADE OF CONCRETE : **M20** - (DESIGN MIX) (AS PER IS 456-2000)
- 2.GRADE OF STEEL - **Fe500D** (AS PER IS 1786-2008)
- 3.ANY DISCREPANCY FOUND IN THESE DRAWING SHOULD BE BROUGHT THE CONSULTANT ENGINEER NOTICE BEFORE EXECUTION.
- 4.DO NOT CAST ANY R.C.C WORK UNLESS IT IS CHECKED AND CONFIRMED BY SITE ENGINEER.
- 5.DESIGN OF PROPPING, SHUTTERING AND CONCRETE MIX IS CONTRACTOR OR CLIENT OR SITE PERSON RESPONSIBILITY.
- 6.CLEAR COVER FOR REINFORCEMENT SHALL BE AS FOLLOWS:-
- A) GRADE / PLINTH BEAM :25 MM (1")
- B) COLUMN :40 MM (1-1/2")
- C) FOOTING / PILE CAP - SIDE :50 MM (2")
7. REINFORCEMENT SYMBOL IS :-
- A) Y OR O HIGH YIELD STRENGTH BARS OF MINIMUM YIELD STRENGTH IS 500 NMMM².
- B) R OR Q MILD STEEL OF MINIMUM YIELD STRENGTH IS 250 NMMM²
8. DO NOT SCALE THE DRAWING, REFER FIGURED DIMENSIONS
- 9.SIZE OF COLUMN BELOW PLINTH LEVEL IS TO BE INCREASED ON EACH SIDE OF MINIMUM 14" (40MM) TO INCREASE THE CLEAR CONCRETE COVER.
- 10.READ AND EXECUTE THIS STRUCTURAL DRAWING ALONG WITH ARCHITECTURAL DRAWING.
11. LAPING OR ANCHORAGE LENGTH
- A) BEAM AND SLAB = 60 X DIA OF BAR
- B) COLUMN = 48 X DIA OF BAR

DESIGN LOADS:

1. FLOOR SLAB - 2.5 kN/sq.M
2. ROOF SLAB -1.5 kN/sq.M

CONCRETE MIX

1 : 1.5 : 3

NOTES: THIS DRAWING IS VALID ONLY IF
CONSULTANT CHECK AT SITE

LAPPING NOTES

MINIMUM LAP LENGTH FOR
COLUMN (48D) SHOULD BE AS
FOLLOWS:

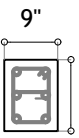
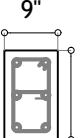
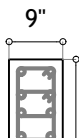
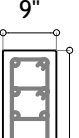
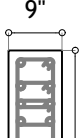
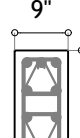
FOR M ₂₀ GRADE OF CONCRETE & Fe ₅₀₀ GRADE OF STEEL		
DIAMETER OF BAR	LAP LENGTH	
12 mm	2' 0"	
16 mm	2' 6"	
20 mm	3' 3"	
25 mm	4' 0"	

DRAWING STATUS

	FOR REVIEW ONLY - NOT FOR CONSTRUCTION
✓	GOOD FOR CONSTRUCTION

TYPE

COLUMN DETAIL

C1		SIZE: 9" X 12" STEEL: 6Y16	LINKS: Y8@6"C/C (2 LINKS)
C2		SIZE: 9" X 15" STEEL: 6Y16	LINKS: Y8@6"C/C (2 LINKS)
C3		SIZE: 9" X 15" STEEL: 8Y16	LINKS: Y8@6"C/C (2 LINKS)
C4		SIZE: 9" X 18" STEEL: 8Y16	LINKS: Y8@6"C/C (2 LINKS)
C5		SIZE: 9" X 18" STEEL: 10Y16	LINKS: Y8@6"C/C (3 LINKS)
C6		SIZE: 9" X 18" STEEL: 10Y20	LINKS: Y8@6"C/C (3 LINKS)

SCHEDULE OF COLUMNS

TYPE	NO OF COLUMNS	GRIDS	SIZE	REINFORCEMENT	STIRRUPS	NO OF LINKS
C1	5	A2,B4,B5,H1,H6	9" X 12"	6Y16	Y8 @ 6" c/c	2 LINKS
C2	3	C1,D5,G1	9" X 15"	6Y16	Y8 @ 6" c/c	2 LINKS
C3	2	E1,H5	9" X 15"	8Y16	Y8 @ 6" c/c	2 LINKS
C4	3	C2,F5,G2	9" X 18"	8Y16	Y8 @ 6" c/c	2 LINKS
C5	2	D4,H3	9" X 18"	10Y16	Y8 @ 6" c/c	2 LINKS
C6	2	E2,F3	9" X 18"	10Y20	Y8 @ 6" c/c	3 LINKS

NOTES

GENERAL NOTES & TECHNICAL NOTES
REFER SHEET [ST/TN01/RO]

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- 2.GRADE OF STEEL - **Fe500D** (AS PER IS 1786-2008)
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- 5.DESIGN OF PROPPING, SHUTTERING AND CONCRETE MIX IS CONTRACTOR OR CLIENT OR SITE PERSON RESPONSIBILITY.
- 6.CLEAR COVER FOR REINFORCEMENT SHALL BE AS FOLLOWS:-
- A) GRADE / PLINTH BEAM :25 MM (1")
- B) COLUMN :40 MM (1-1/2")
- C) FOOTING / PILE CAP - SIDE :50 MM (2")
7. REINFORCEMENT SYMBOL IS :-
- A) Y OR O HIGH YIELD STRENGTH BARS OF MINIMUM YIELD STRENGTH IS 500 NMMM².
- B) R OR Q MILD STEEL OF MINIMUM YIELD STRENGTH IS 250 NMMM²
8. DO NOT SCALE THE DRAWING, REFER FIGURED DIMENSIONS
- 9.SIZE OF COLUMN BELOW PLINTH LEVEL IS TO BE INCREASED ON EACH SIDE OF MINIMUM 14" (40MM) TO INCREASE THE CLEAR CONCRETE COVER.
- 10.READ AND EXECUTE THIS STRUCTURAL DRAWING ALONG WITH ARCHITECTURAL DRAWING.
11. LAPING OR ANCHORAGE LENGTH
- A) BEAM AND SLAB = 60 X DIA OF BAR
- B) COLUMN = 48 X DIA OF BAR

DESIGN LOADS:

1. FLOOR SLAB - 2.5 kN/sq.M
2. ROOF SLAB -1.5 kN/sq.M

CONCRETE MIX

1 : 1.5 : 3

NOTES: THIS DRAWING IS VALID ONLY IF
CONSULTANT CHECK AT SITE



M-STRUCTURES
STRUCTURAL CONSULTANT
MSTRUCTE@GMAIL.COM
FOR QUERIES: 8270017322
93605245808

CLIENT:

SURVEY NO.:

BLOCK NO.:

USE:

NO. OF FLOORS:

LOCATION:

RESIDENT

G + TWO

TITLE:

STRUCTURAL DRAWING
COLUMN DETAIL

DESIGNED:

CHECKED:

DATE:

DRAWN:

APPROVED:

SCALE:

SHEIK

JAMIEL

1 : 25

PROJECT NO.:

DRAWING NO.:

MS/ 2024/320

ST/CL02/RO

MAR 2024

NOTES

GENERAL NOTES & TECHNICAL NOTES
REFER SHEET [ST/N01/RO]

- 1.GRADE OF CONCRETE :
M20 - (DESIGN MIX) (AS PER IS 456-2000)
- 2.GRADE OF STEEL - **Fe500D** (AS PER IS 1786-2008)
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- 5.DESIGN OF PROPPING, SHUTTERING AND CONCRETE MIX IS CONTRACTOR OR CLIENT OR SITE PERSON RESPONSIBILITY.
- 6.CLEAR COVER FOR REINFORCEMENT SHALL BE AS FOLLOWS:-
- A) GRADE / PLINTH BEAM :25 MM (1")
- B) FOOTING / PILE CAP - BOTTOM :75 MM (3")
- C) COLUMN :40 MM (1-1/2")
- D) FOOTING / PILE CAP - SIDE :50 MM (2")
- E) ALL ROOF BEAM :25 MM (1")
- F)ALL ROOF SLAB :20 MM (3/4")
- G) R.C.C WALL (SHEAR WALL,SUMP):40 MM (1-1/2")
- H)PILE SIDE :50 MM (2")
- I)SUMP BOTTOM SLAB :40 MM (1-1/2")
- J)COVER SLAB :25 MM (1")
7. REINFORCEMENT SYMBOL IS :-
- A) Y OR O HIGH YIELD STRENGTH BARS OF MINIMUM YIELD STRENGTH IS 500 N/MM².
- B) R OR Q MILD STEEL OF MINIMUM YIELD STRENGTH IS 250 N/MM²
8. DO NOT SCALE THE DRAWING,REFER FIGURED DIMENSIONS
9. LAPPING OR ANCHORAGE LENGHT
- A) BEAM AND SLAB = 60 X DIA OF BAR
- B) COLUMN = 48 X DIA OF BAR

DESIGN LOADS:

1. FLOOR SLAB - 2.5 kN/Sq.M
2. ROOF SLAB -1.5 kN/Sq.M

NOTES: THIS DRAWING IS VALID ONLY IF
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MSTRUCTUTE@GMAIL.COM
FOR QUERIES: 8270017322
9345700173
9360945808

CLIENT:

SURVEY NO.:

BLOCK NO.:

USE:

NO. OF FLOORS:

LOCATION:

RESIDENT

G + TWO

TITLE:

STRUCTURAL DRAWING
TYPICAL COLUMN LAPPING

DESIGNED:

JAMEEL

CHECKED:

JAMEEL

DATE:

MAR 2024

DRAWN:

SHEIK

APPROVED:

JAMEEL

SCALE:

1 : 100

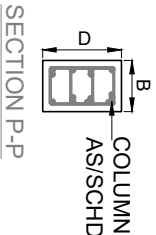
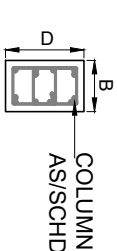
PROJECT NO.:

MS/2024/320

DRAWING NO.:

ST/CL04/R0

LEGEND		
D	COLUMN DEPTH	
B	COLUMN BREADTH	
Ld	LAPPING LENGTH	

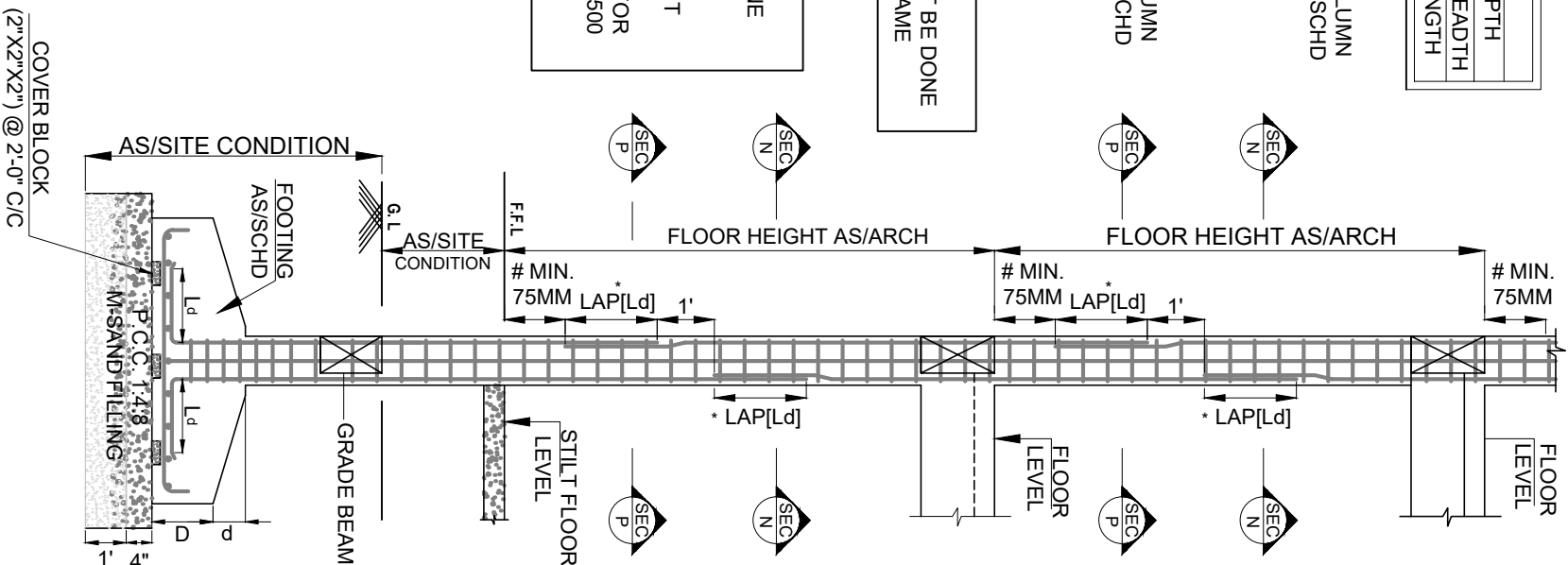


NOTE:
LAPPING SHOULD NOT BE DONE
MORE THAN 50% AT SAME
LOCATION

NOTE:
- LAPPING SHOULD NOT BE DONE
AT THIS ZONE

* - MINIMUM 1'-0" GAP BETWEEN
LAPPING OF ROD FOR ADJACENT
ROD

* - LAPPING OF ROD, Ld = (48xD) FOR
M20 GRADE OF CONCRETE & Fe500
GRADE OF STEEL



LEGEND		
D	FOOTING DEPTH	
d	FOOTING SLOPE DEPTH	
Ld	DEVELOPMENT LENGTH	

TYPICAL COLUMN LAPPING

LAPPING NOTES

MINIMUM LAP LENGTH FOR COLUMN
(48D) SHOULD BE AS FOLLOWS:

FOR M ₂₀ GRADE OF CONCRETE & Fe ₅₀₀ GRADE OF STEEL	
DIAMETER OF BAR	LAP LENGTH
12 mm	2' 0"
16 mm	2' 6"
20 mm	3' 3"
25 mm	4' 0"

NOTES

GENERAL NOTES & TECHNICAL NOTES
REFER SHEET [ST7N01/RO]

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- 2.GRADE OF STEEL - **Fe500D** (AS PER IS 1786-2008)
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- 4.DO NOT CAST ANY R.C.C WORK UNLESS IT IS CHECKED AND CONFIRMED BY SITE ENGINEER.
- 5.DESIGN OF PROPPING, SHUTTERING AND CONCRETE MIX IS CONTRACTOR OR CLIENT OR SITE PERSON RESPONSIBILITY.
- 6.CLEAR COVER FOR REINFORCEMENT SHALL BE AS FOLLOWS:-
- A) GRADE / PLINTH BEAM : 25 MM (1")
B) COLUMN : 40 MM (1-1/2")
C) ALL ROOF BEAM : 25 MM (1")
D) ALL ROOF SLAB : 20 MM (3/4")

DRAWING STATUS	
✓	FOR REVIEW ONLY - NOT FOR CONSTRUCTION
✓	GOOD FOR CONSTRUCTION

7. REINFORCEMENT SYMBOL IS :-
A) Y OR O HIGH YIELD STRENGTH BARS OF MINIMUM YIELD STRENGTH IS 500 N/MM².
B) R OR Q MILD STEEL OF MINIMUM YIELD STRENGTH IS 250 N/MM²
8. DO NOT SCALE THE DRAWING.REFER FIGURED DIMENSIONS
9. LAPPING OR ANCHORAGE LENGTH
A) BEAM AND SLAB = 60 X DIA OF BAR
B) COLUMN = 48 X DIA OF BAR

DESIGN LOADS:

1. FLOOR SLAB - 5.0 kN/Sq.M
2. ROOF SLAB - 1.5 kN/Sq.M

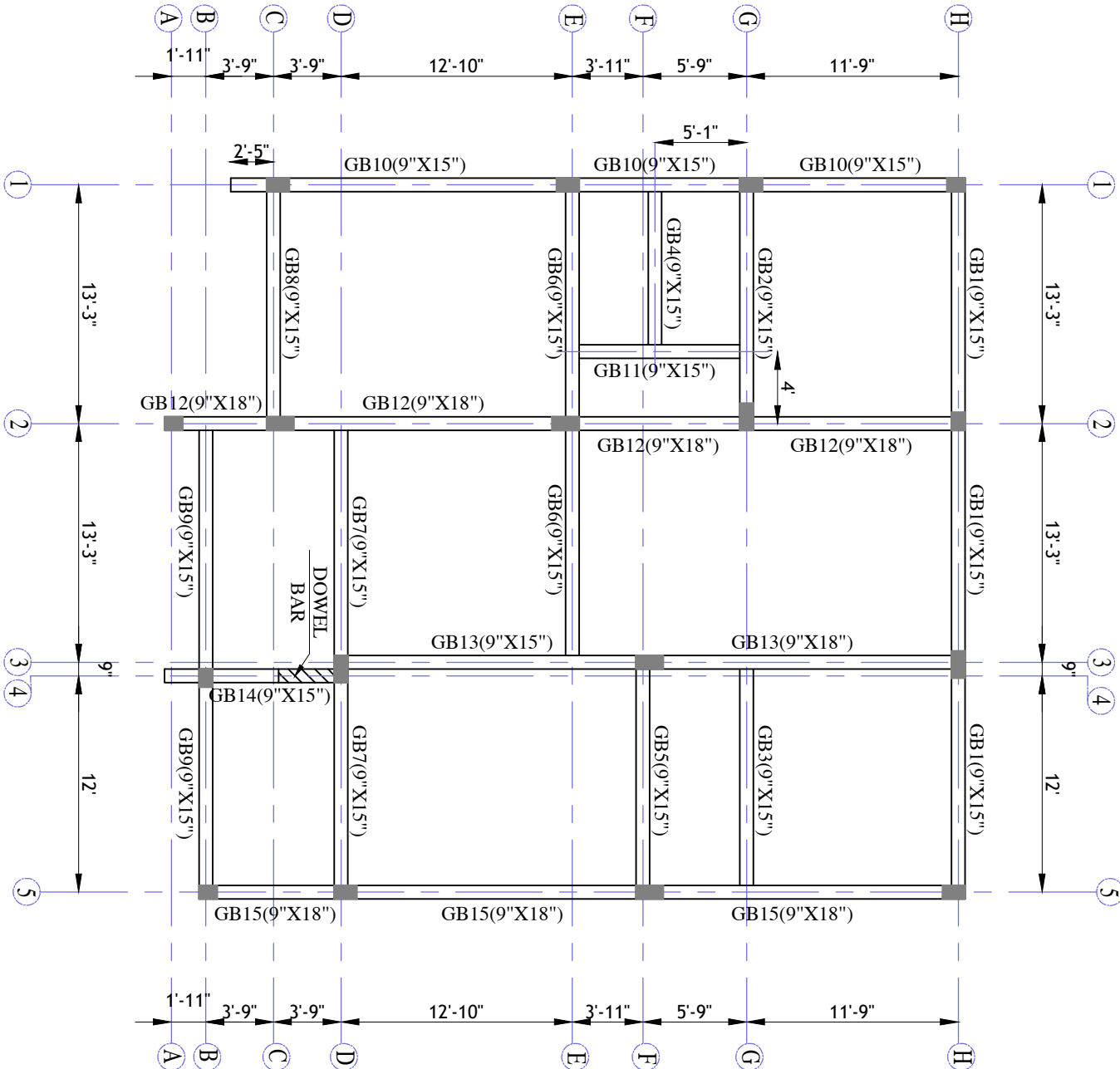
CONCRETE MIX

1 : 1.5 : 3

NOTES: THIS DRAWING IS VALID ONLY IF
CONSULTANT CHECK AT SITE



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9345700173
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GRADE BEAM LAYOUT

STRUCTURAL DRAWING
GRADE BEAM LAYOUT

DESIGNED:	CHECKED:	DATE:
JAMEEL	JAMEEL	MAR 2024
DRAWN:	APPROVED:	SCALE:
SHEIK	JAMEEL	1 : 100
PROJECT NO:	DRAWING NO:	
MS/2024/320	ST/GB01/R1	

NOTES

GENERAL NOTES & TECHNICAL NOTES
REFER SHEET [ST/TN01/RO]

- GRADE OF CONCRETE :
M20 - (DESIGN MIX) (AS PER IS 456-2000)
- GRADE OF STEEL - **Fe500D** (AS PER IS 1786-2008)
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- DO NOT CAST ANY R.C.C WORK UNLESS IT IS CHECKED AND CONFIRMED BY SITE ENGINEER.
- DESIGN OF PROPPING, SHUTTERING AND CONCRETE MIXIS CONTRACTOR OR CLIENT OR SITE PERSON RESPONSIBILITY.
- CLEAR COVER FOR REINFORCEMENT SHALL BE AS FOLLOWS:-
 - A) GRADE / PLINTH BEAM : 25 MM (1")
 - B) COLUMN : 40 MM (1-1/2")
 - C) ALL ROOF BEAM : 25 MM (1")
 - D) ALL ROOF SLAB : 20 MM (3/4")
- REINFORCEMENT SYMBOL IS :-
 - A) Y OR O - HIGH YIELD STRENGTH BARS OF MINIMUM YIELD STRENGTH IS 500 N/MM².
 - B) R OR O - MILD STEEL OF MINIMUM YIELD STRENGTH IS 250 N/MM²
 - 8. DO NOT SCALE THE DRAWING,REFER FIGURED DIMENSIONS
 - 9. LAPPING OR ANCHORAGE LENGTH
 - A) BEAM AND SLAB = 60 X DIA OF BAR
 - B) COLUMN = 48 X DIA OF BAR

DRAWING STATUS	
FOR REVIEW ONLY	
NOT FOR CONSTRUCTION	
GOOD FOR CONSTRUCTION	☒

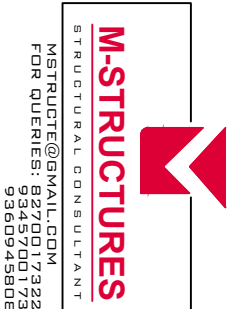
DESIGN LOADS:

- FLOOR SLAB - 5.0KN/Sq.M
- ROOF SLAB -1.5 KN/Sq.M

CONCRETE MIX

1 : 1.5 : 3

NOTES: THIS DRAWING IS VALID ONLY IF
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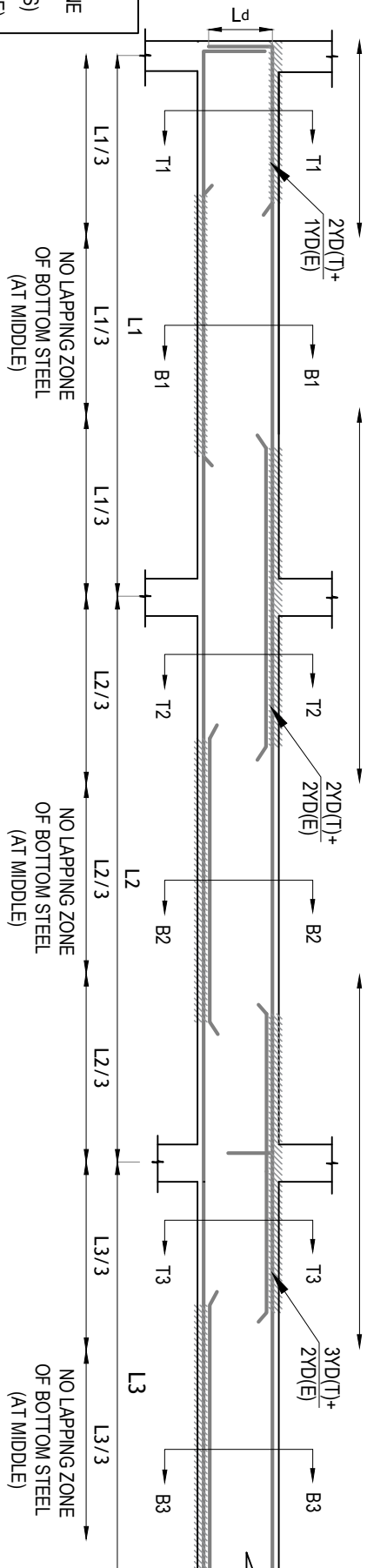


CLIENT:	SURVEY NO:	
USE:	NO. OF FLOORS:	BLOCK NO:
RESIDENTIAL	G + TWO	
LOCATION:		
TITLE:		
STRUCTURAL DRAWING GRADE BEAM DETAIL-1		
DESIGNED: JAMEEL	CHECKED: JAMEEL	DATE: MAR 2024
DRAWN: SHEIK	APPROVED: JAMEEL	SCALE: 1 : 50
PROJECT NO: MS/2024/320	DRAWING NO: ST/GB02/R1	

NO LAPPING ZONE OF TOP STEEL (NEAR SUPPORTS)

NO LAPPING ZONE OF TOP STEEL (NEAR SUPPORTS)

NO LAPPING ZONE OF TOP STEEL (NEAR SUPPORTS)



NOTES:

- NO LAPPING ZONE
(TOP STEEL - AT SUPPORTS)
(BOTTOM STEEL - AT MIDDLE)

NO LAPPING ZONE
OF BOTTOM STEEL
(AT MIDDLE)

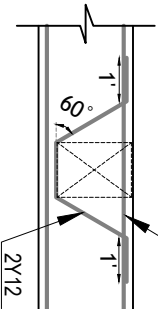
NO LAPPING ZONE
OF BOTTOM STEEL
(AT MIDDLE)

NO LAPPING ZONE
OF BOTTOM STEEL
(AT MIDDLE)

TYPICAL L/S DETAIL FOR BEAM

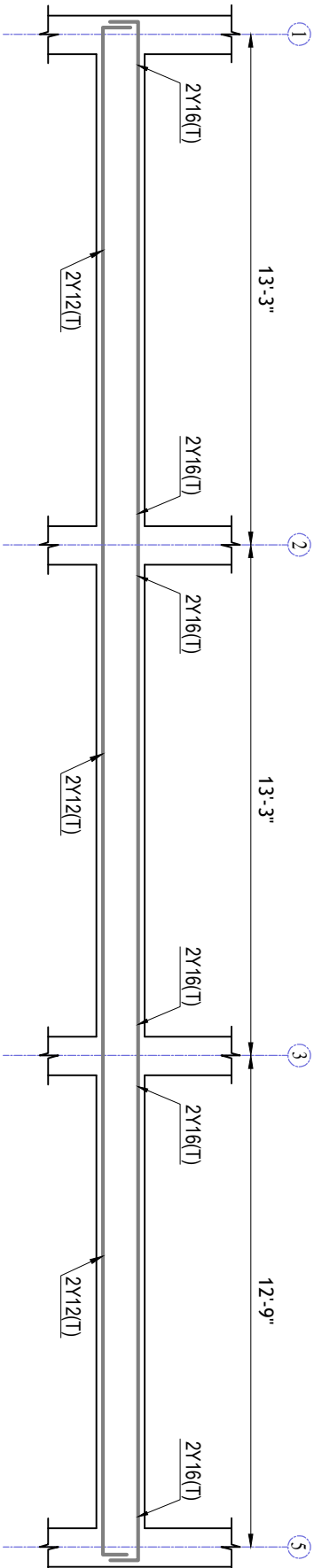
NOTES:

D - DIAMETER OF BAR
T - THROUGHOUT/STRAIGHT STEEL
E - EXTRA STEEL
Ld - DEVELOPMENT LENGTH (9d)

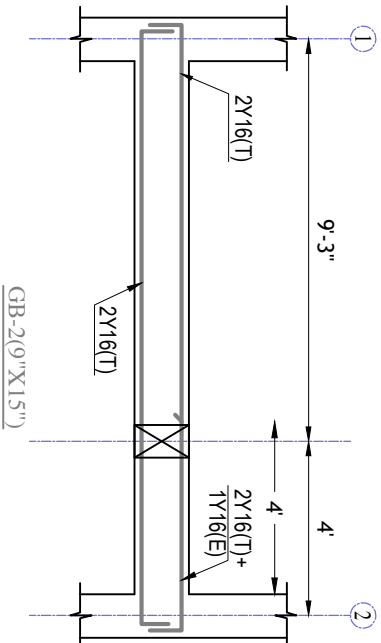
HANGER BARS
DETAIL

STIRRUPS DETAIL

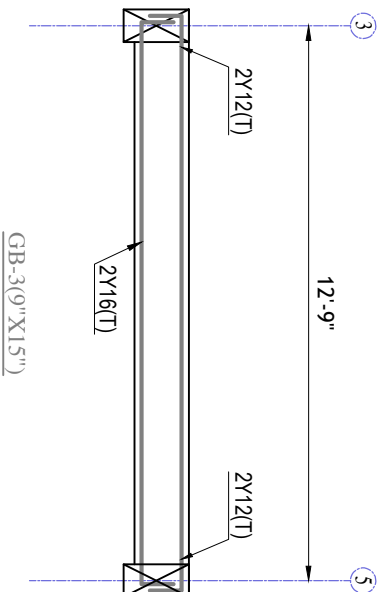
SECTION T1-T1 (3 STEEL AT TOP)	SECTION T2-T2 (4 STEEL AT TOP)	SECTION T3-T3 (5 STEEL AT TOP)	SECTION B1-B1 (3 STEEL AT BOTTOM)	SECTION B2-B2 (4 STEEL AT BOTTOM)	SECTION B3-B3 (4 STEEL AT BOTTOM)	STIRRUPS DETAIL	
						AT SUPPORT	AT MIDSPAN
						AT MIDSPAN	CANTILEVER



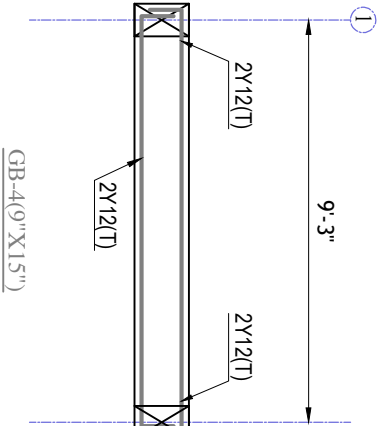
GB-1(9"X15")



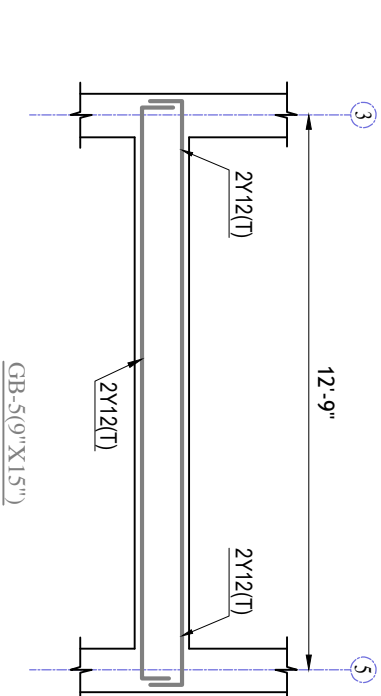
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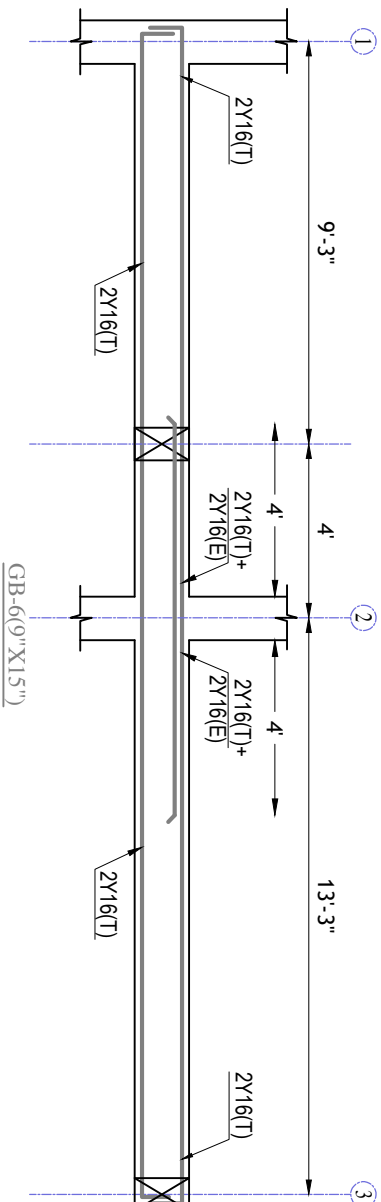
GB-3(9"X15")



GB-4(9"X15")



GB-5(9"X15")



GB-6(9"X15")

NOTES

GENERAL NOTES & TECHNICAL NOTES
REFER SHEET [ST/TN01/RO]

1. GRADE OF CONCRETE : **M20** . (DESIGN MIX) (AS PER IS 456-2000)
2. GRADE OF STEEL - **Fe500D** (AS PER IS 1786-2008)
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6. CLEAR COVER FOR REINFORCEMENT SHALL BE AS FOLLOWS:-

A) GRADE / PLINTH BEAM	: 25 MM (1")
B) COLUMN	: 40 MM (1-1/2")
C) ALL ROOF BEAM	: 25 MM (1")
D) ALL ROOF SLAB	: 20 MM (3/4")

7. REINFORCEMENT SYMBOL IS :-

- A) Y OR O - HIGH YIELD STRENGTH BARS OF MINIMUM YIELD STRENGTH IS 500 N/MM².
- B) R OR Q - MILD STEEL OF MINIMUM YIELD STRENGTH IS 250 N/MM²

8. DO NOT SCALE THE DRAWING. REFER FIGURED DIMENSIONS

9. LAPPING OR ANCHORAGE LENGTH

- A) BEAM AND SLAB = 60 X DIA OF BAR
- B) COLUMN = 48 X DIA OF BAR

	DRAWING STATUS
☐	FOR REVIEW ONLY - NOT FOR CONSTRUCTION
☒	GOOD FOR CONSTRUCTION

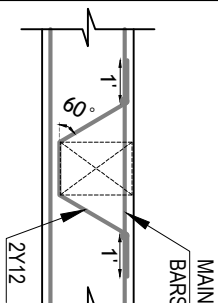
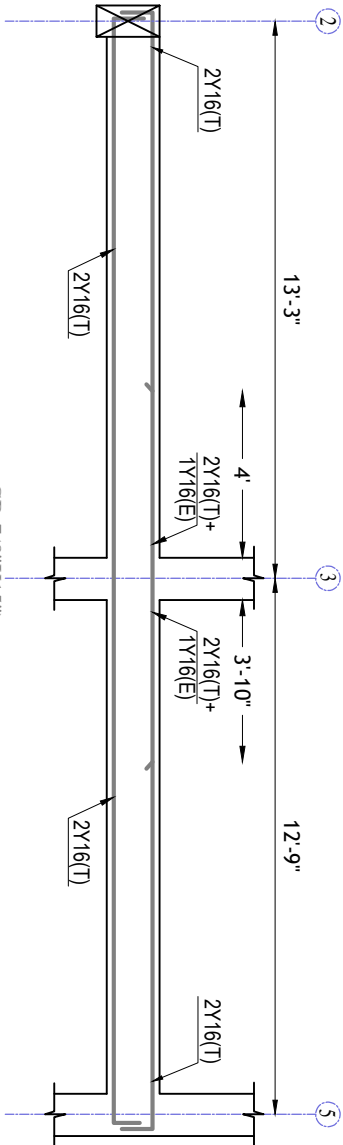
DESIGN LOADS:

1. FLOOR SLAB - 5.0KN/Sq.M
2. ROOF SLAB - 1.5 KN/Sq.M

CONCRETE MIX

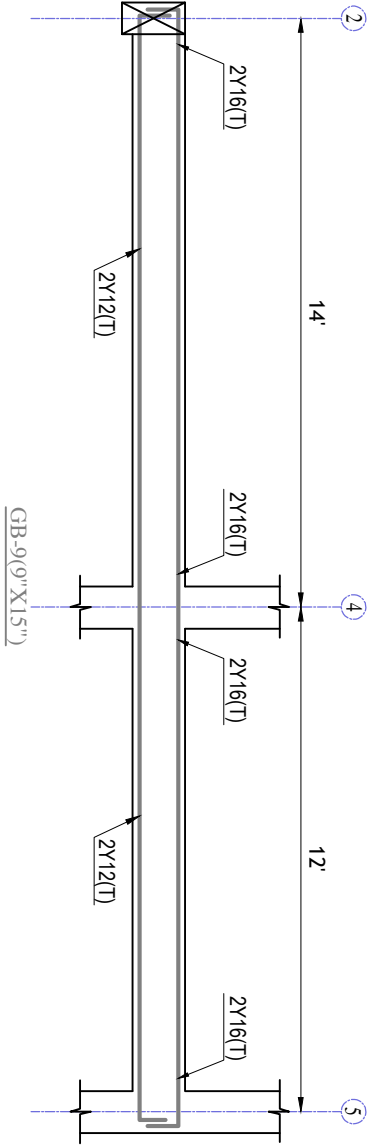
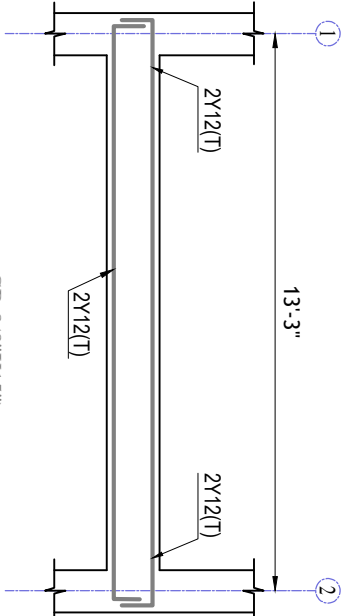
1 : 1.5 : 3

NOTES: THIS DRAWING IS VALID ONLY IF CONSULTANT CHECK AT SITE

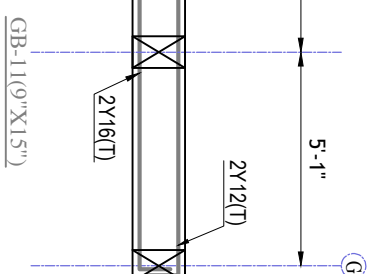
HANGER BARS
DETAIL

GB-7(9'X15'')

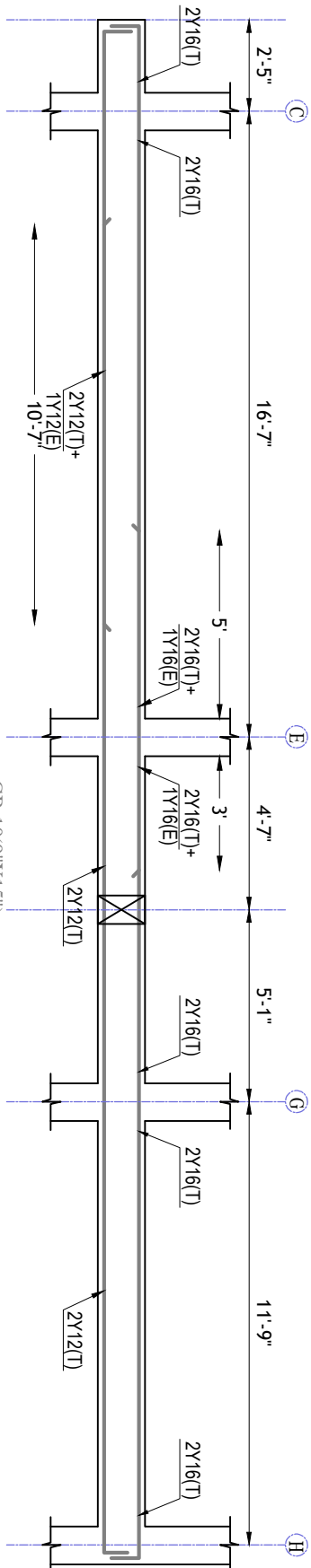
GB-8(9'X15'')



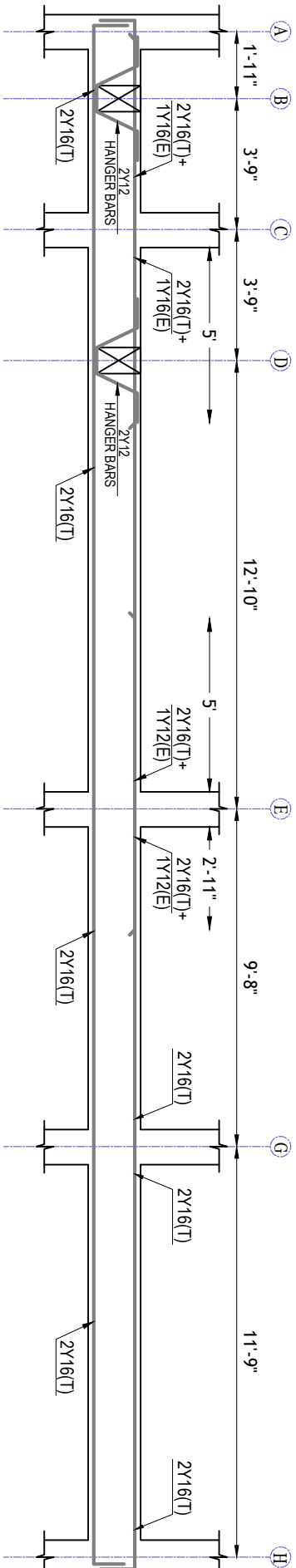
GB-9(9'X15'')



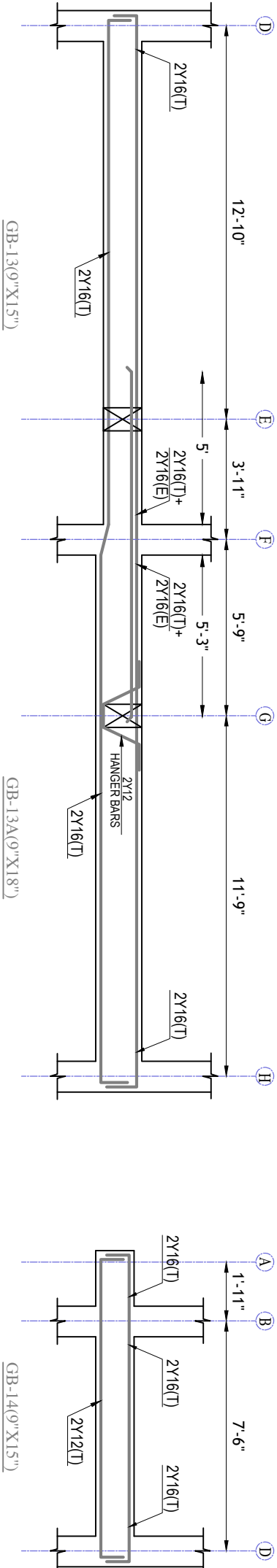
GB-11(9'X15'')



GB-10(9'X15'')

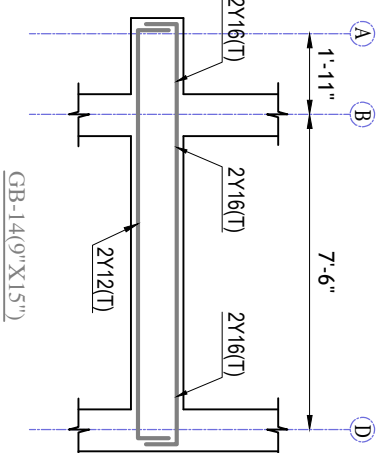


GB-12(9'X18'')



GB-13(9'X15'')

GB-13A(9'X18'')



GB-14(9'X15'')



M-STRUCTURES
STRUCTURAL CONSULTANT
MSTRUCITE@GMAIL.COM
FOR QUERIES: 8270017322
9345700173
9360945808

CLIENT: () SURVEY NO: ()

BLOCK NO: ()

USE: NO. OF FLOORS: LOCATION:

RESIDENTIAL G + TWO

TITLE: STRUCTURAL DRAWING

GRADE BEAM DETAIL-2

DESIGNED: JAMEEL CHECKED: JAMEEL DATE: MAR 2024

DRAWN: SHEIK APPROVED: JAMEEL SCALE: 1 : 50

PROJECT NO: MS/2024/320 DRAWING NO: ST/GB03/R1

NOTES

GENERAL NOTES & TECHNICAL NOTES
REFER SHEET [ST/NO1/RO]

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B) COLUMN	: 40 MM (1-1/2")
C) ALL ROOF BEAM	: 25 MM (1")
D) ALL ROOF SLAB	: 20 MM (3/4")

7. REINFORCEMENT SYMBOL IS :-

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8. DO NOT SCALE THE DRAWING, REFER FIGURED DIMENSIONS

9. LAPPING OR ANCHORAGE LENGTH

- A) BEAM AND SLAB = 60 X DIA OF BAR
- B) COLUMN = 48 X DIA OF BAR

DRAWING STATUS

FOR REVIEW ONLY -
NOT FOR CONSTRUCTION
GOOD FOR CONSTRUCTION

DESIGN LOADS:

1. FLOOR SLAB - 5.0 kN/sq.m
2. ROOF SLAB -1.5 kN/sq.m

CONCRETE MIX

1 : 1.5 : 3

NOTES: THIS DRAWING IS VALID ONLY IF
CONSULTANT CHECK AT SITE



M-STRUCTURES
STRUCTURAL CONSULTANT

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CLIENT: SURVEY NO:

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USE: NO. OF FLOORS: LOCATION:

RESIDENTIAL G + TWO

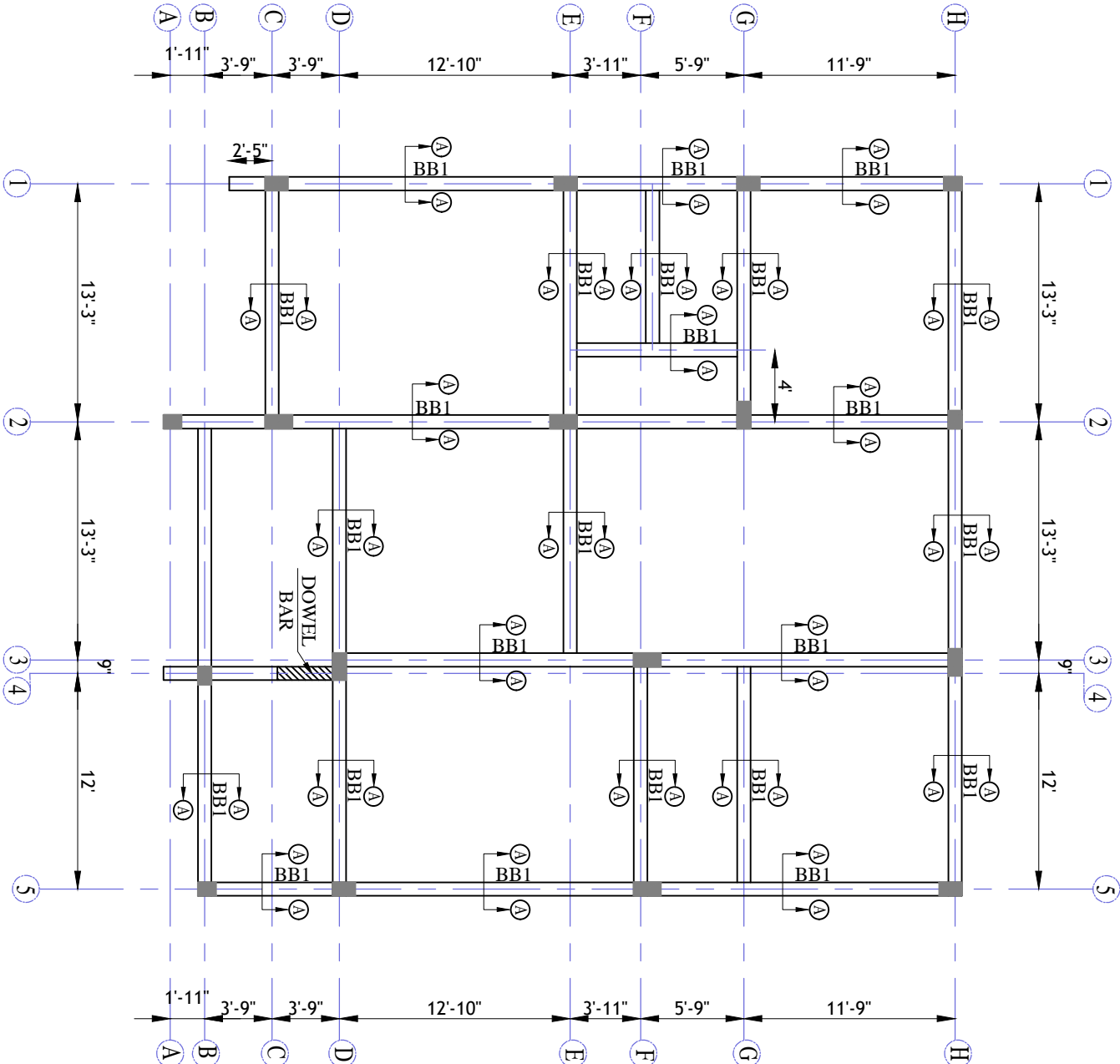
TITLE:

STRUCTURAL DRAWING
BELT BEAM LAYOUT

DESIGNED: JAMEEL CHECKED: JAMEEL DATE: MAR 2024

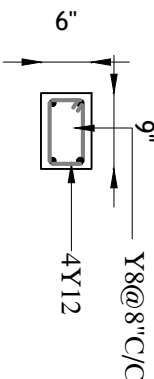
DRAWN: SHEIK APPROVED: JAMEEL SCALE: 1 : 100

PROJECT NO: MS/2024/320 DRAWING NO: ST/BB01/R1



BELT BEAM LAYOUT

SECTION A-A



DETAIL:BB1(9"X6")

LAPPING NOTES

MINIMUM LAP LENGTH FOR BEAM AND SLAB (60D) SHOULD BE AS FOLLOWS:

FOR M ₂₀ GRADE OF CONCRETE & Fe ₅₀₀ GRADE OF STEEL	
DIAMETER OF BAR	LAP LENGTH
8 mm	1' 6"
10 mm	2' 0"
12 mm	2' 6"
16 mm	3' 3"
20 mm	4' 0"
25 mm	5' 0"

NOTES

GENERAL NOTES & TECHNICAL NOTES
REFER SHEET [ST/ND1/R0]

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DRAWING STATUS	
FOR REVIEW ONLY - NOT FOR CONSTRUCTION	
GOOD FOR CONSTRUCTION	✓

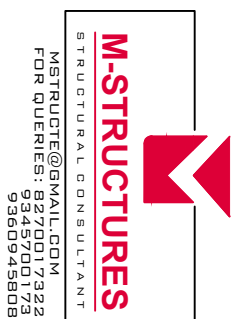
DESIGN LOADS:

1. FLOOR SLAB - 5.0 kN/Sq.M
2. ROOF SLAB - 1.5 kN/Sq.M

CONCRETE MIX

1 : 1.5 : 3

NOTES: THIS DRAWING IS VALID ONLY IF CONSULTANT CHECK AT SITE



CLIENT:

SURVEY NO:

USE:

BLOCK NO:

NO. OF FLOORS:

LOCATION:

RESIDENT

G + TWO

TITLE:

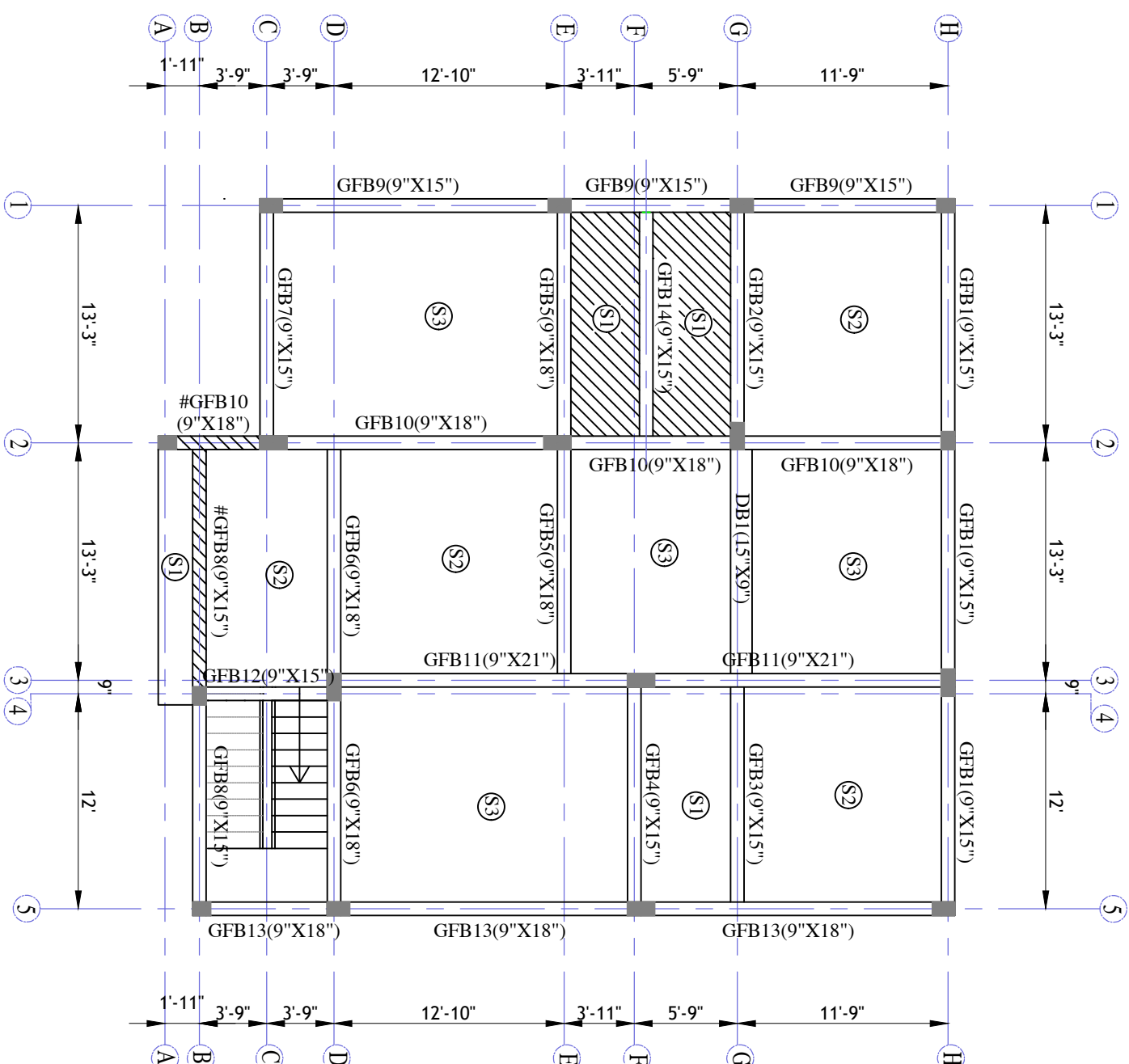
STRUCTURAL DRAWING

GROUND FLOOR ROOF BEAM & SLAB LAYOUT

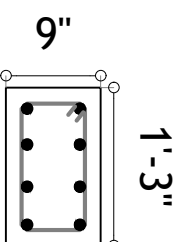
DESIGNED: JAMEEL CHECKED: JAMEEL DATE: MAR 2024

DRAWN: SHEIK APPROVED: JAMEEL SCALE: 1 : 100

PROJECT NO: MS/2024/320 DRAWING NO: ST/GFB01/R0



GROUND FLOOR ROOF BEAM & SLAB LAYOUT



SIZE : 15"X9"

STEEL : 4Y16 TOP+ 4Y16 BOTTOM

DBI-DROP BEAM

NOTES

GENERAL NOTES & TECHNICAL NOTES
REFER SHEET [ST/7N01/RO]

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M20 (DESIGN MIX) (AS PER IS 456-2000)
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DRAWING STATUS
☐ FOR REVIEW ONLY
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☐ GOOD FOR CONSTRUCTION

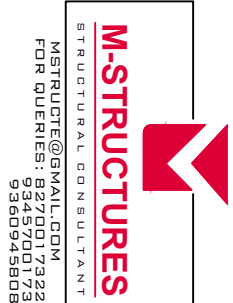
DESIGN LOADS:

1. FLOOR SLAB - 5.0 KN/Sq.M
2. ROOF SLAB -1.5 KN/Sq.M

CONCRETE MIX

1 : 1.5 : 3

NOTES: THIS DRAWING IS VALID ONLY IF
CONSULTANT CHECK AT SITE



CLIENT:

SURVEY NO.:

USE:

BLOCK NO.:

RESIDENT

NO. OF FLOORS:

LOCATION:

TITLE:

STRUCTURAL DRAWING

GROUND FLOOR ROOF BEAM DETAIL-1

DESIGNED:

CHECKED:

DATE:

DRAWN:

APPROVED:

SCALE:

SHEIK

JAMEEL

1 : 50

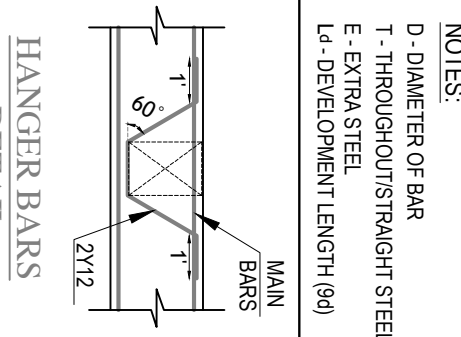
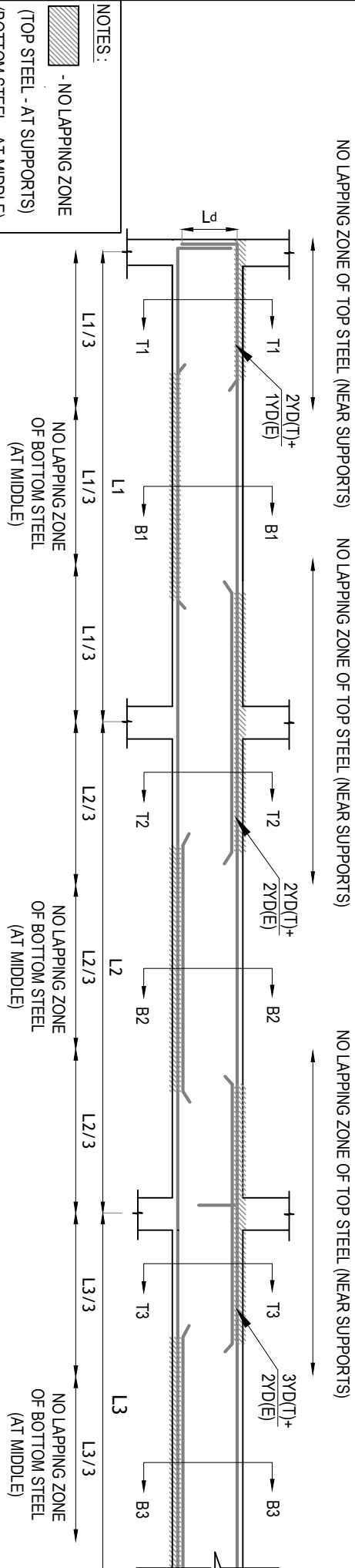
PROJECT NO.:

DRAWING NO.:

MS/2024/320

ST/GFB02/RO

TYPICAL L/S DETAIL FOR BEAM



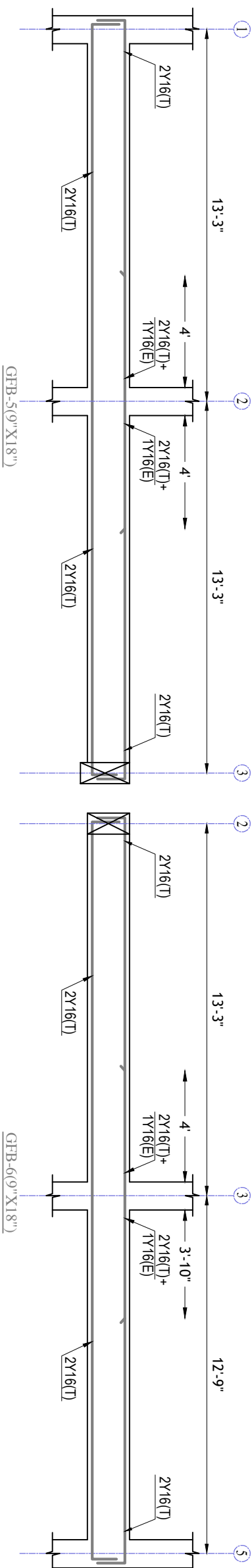
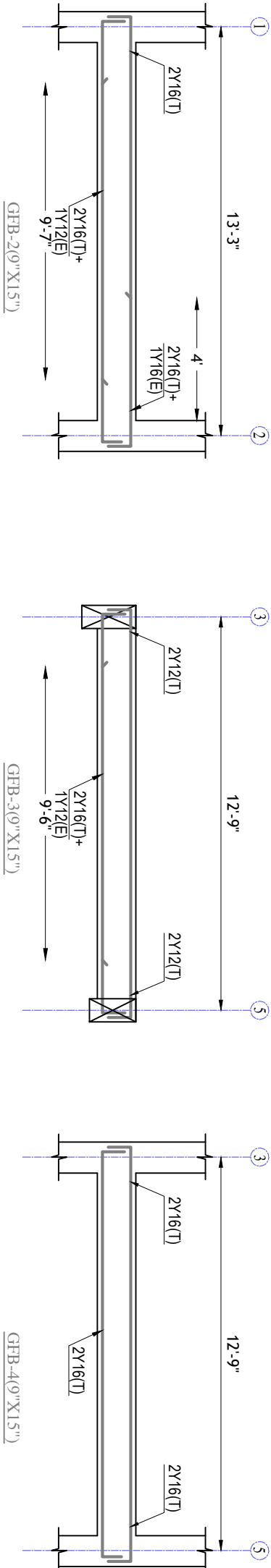
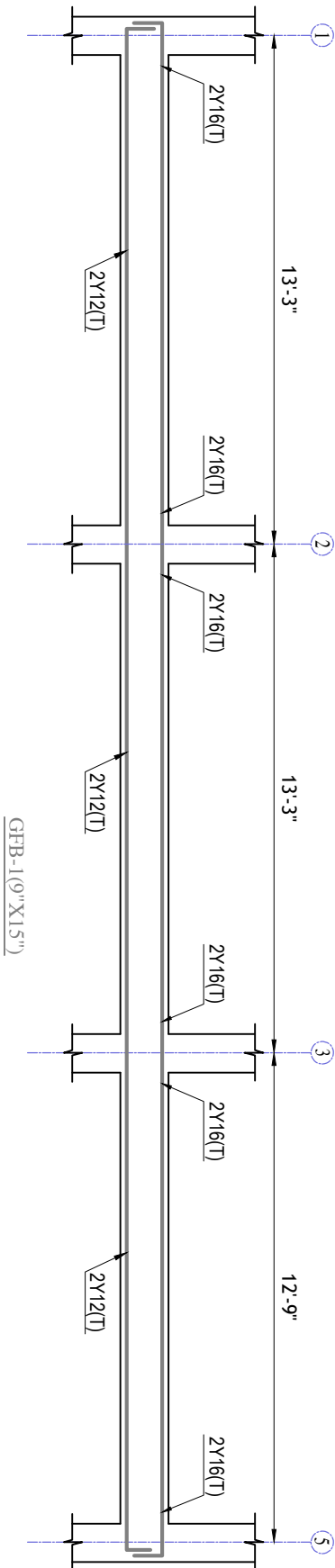
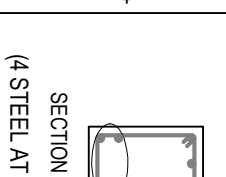
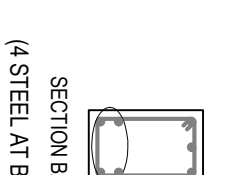
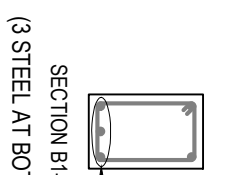
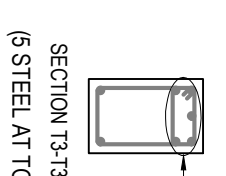
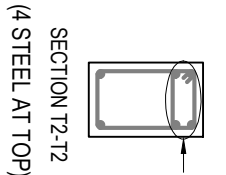
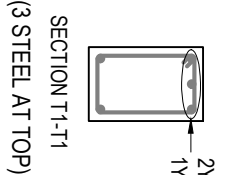
NOTES:

- NO LAPPING ZONE (TOP STEEL - AT SUPPORTS)
(BOTTOM STEEL - AT MIDDLE)

NOTES:

D - DIAMETER OF BAR
T - THROUGHOUT/STRAIGHT STEEL
E - EXTRA STEEL
Ld - DEVELOPMENT LENGTH (9d)

STIRRUPS DETAIL			
AT SUPPORT	Y8@5"C/C		
AT MIDSPAN	Y8@7"C/C		
CANTILEVER	Y8@5"C/C		



NOTES

GENERAL NOTES & TECHNICAL NOTES
REFER SHEET [ST/NO1/RO]

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GOOD FOR CONSTRUCTION	☒

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CONCRETE MIX

1 : 1.5 : 3

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FOR QUERIES: 8270017322
9345700173
9360945808

CLIENT: SURVEY NO:

BLOCK NO:

USE: NO. OF FLOORS: LOCATION:

RESIDENT G + TWO

TITLE:

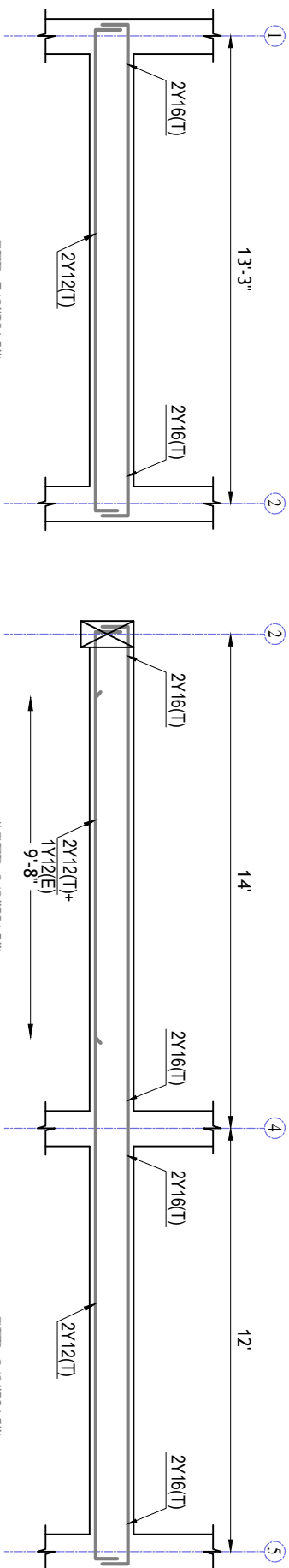
STRUCTURAL DRAWING

GROUND FLOOR ROOF BEAM DETAIL-2

DESIGNED: JAMEEL CHECKED: JAMEEL DATE: MAR 2024

DRAWN: SHEIK APPROVED: JAMEEL SCALE: 1 : 50

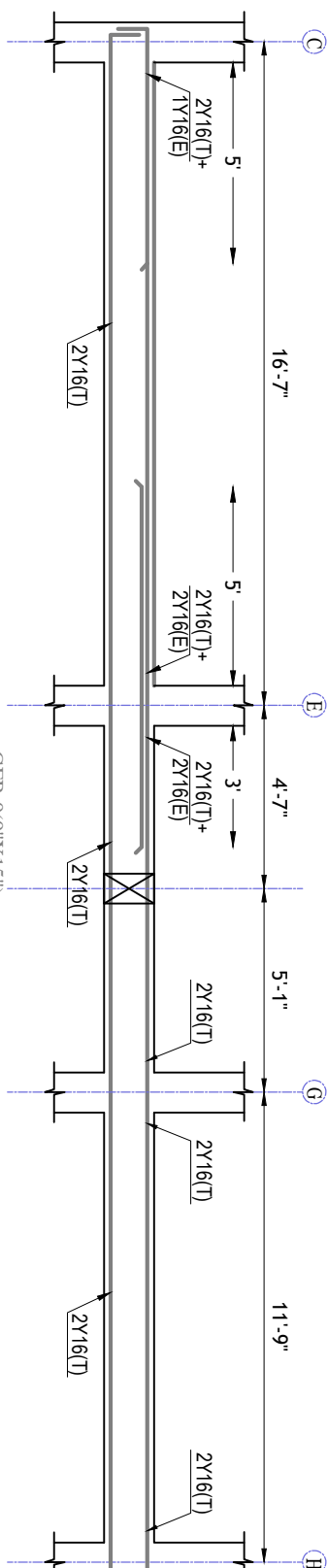
PROJECT NO: MS/2024/320 DRAWING NO: ST/GFBO3/RO



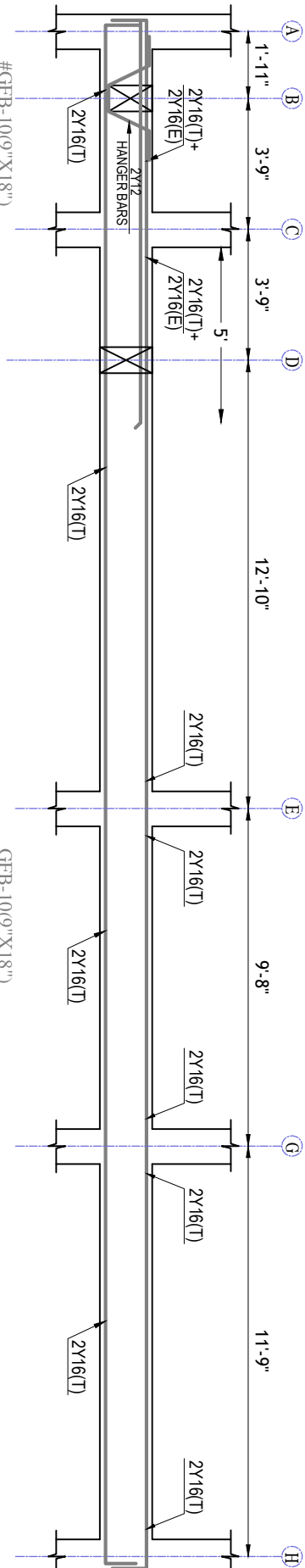
GFB-7(9'x15'')

#GFB-8(9'x15'')

GFB-8(9'x15'')

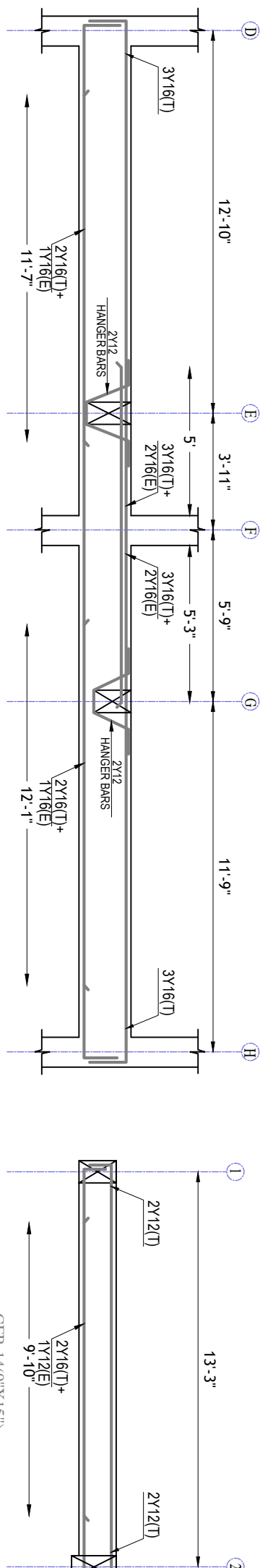


GFB-9(9'x15'')



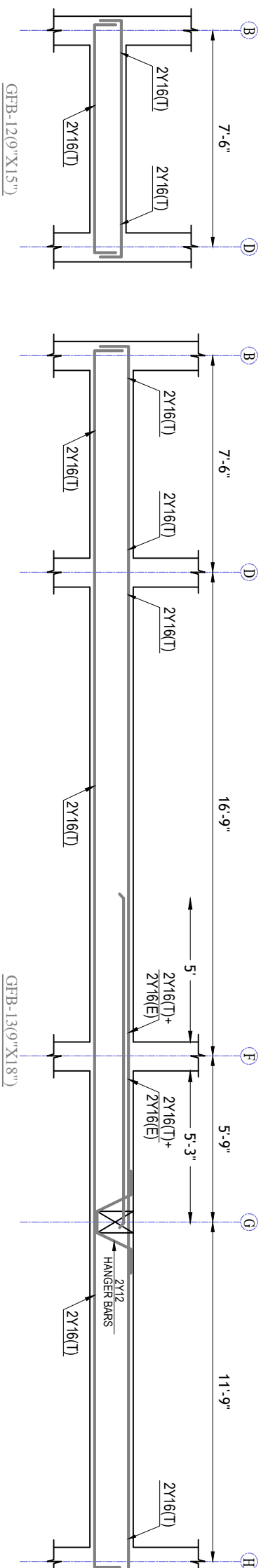
#GFB-10(9'x18'')

GFB-10(9'x18'')



GFB-11(9'x21'')

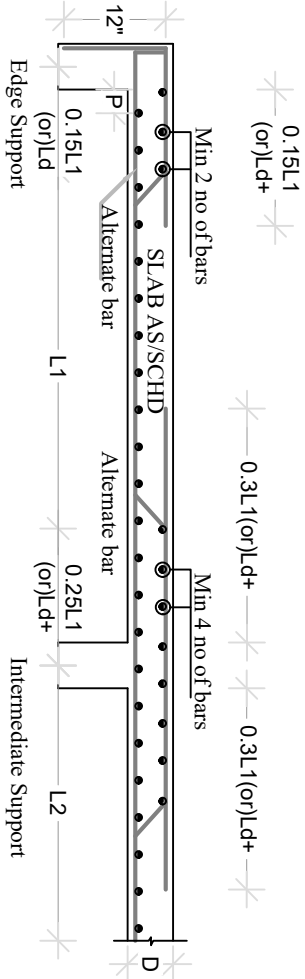
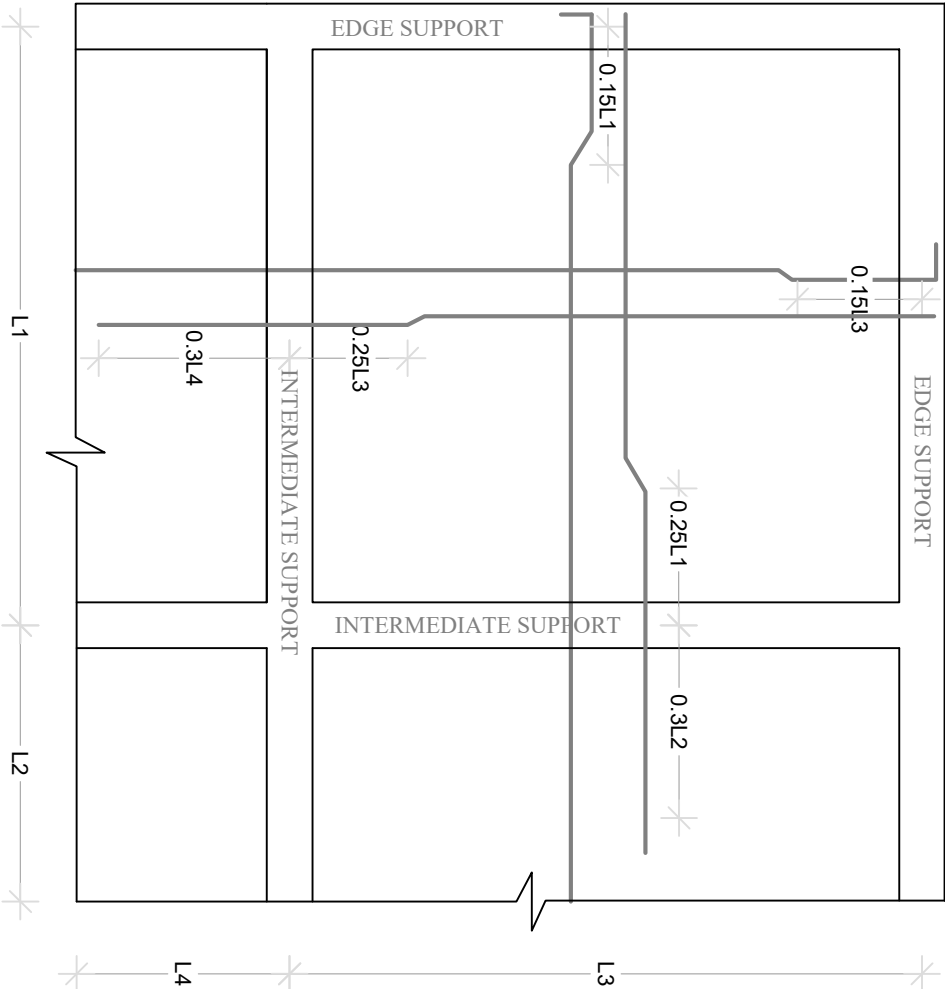
GFB-14(9'x15'')



GFB-12(9'x15'')

GFB-13(9'x18'')

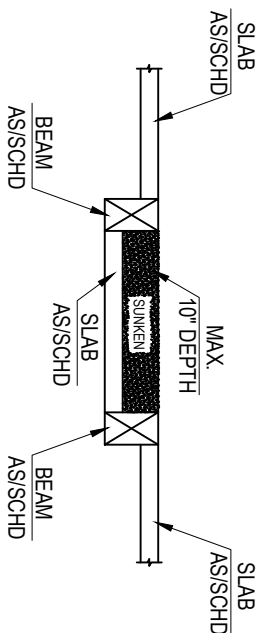
SCHEDULE OF SLABS					
TYPE	THICK	SLAB REINFORCEMENT			REMARKS
		ALONG SHORT SPAN		ALONG LONG SPAN	
		BOTTOM	TOP	BOTTOM	TOP
S1	5"	Y8 @ 5" C/C	Y8 @ 5" C/C	Y8 @ 5" C/C	Y8 @ 5" C/C
S2	5"	Y8 @ 5" C/C	Y8 @ 5" C/C	Y8 @ 5" C/C	Y8 @ 5" C/C
S3	5"	Y10 @ 5" C/C	Y10 @ 5" C/C	Y8 @ 5" C/C	Y8 @ 5" C/C
				ONE WAY / CANTILEVER	DOUBLE MAT
				TWO WAY	REFER TYPICAL DETAIL
				TWO WAY	REFER TYPICAL DETAIL



SECTION

WHERE,
D-DEPTH OF SLAB AS/SCHD
S-SPACING OF MAIN BAR AS/SCHD
P-SHALL NOT EXCEED S/2
+DENOTES THAT 0.3L OR Ld WHICHEVER IS GREATER SHOULD BE PROVIDED

TYPICAL TWO WAY SLAB CURTAILMENT DETAILS



SUNKEN DETAILS

DRAWING STATUS
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GOOD FOR CONSTRUCTION

NOTES

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3. ANY DISCREPANCY FOUND IN THESE DRAWING SHOULD BE BROUGHT THE CONSULTANT ENGINEER NOTICE BEFORE EXECUTION.

4. DO NOT CAST ANY R.C.C WORK UNLESS IT IS CHECKED AND CONFIRMED BY SITE ENGINEER.

5. DESIGN OF PROPPING, SHUTTERING AND CONCRETE MIX IS CONTRACTOR OR CLIENT OR SITE PERSON RESPONSIBILITY.

6. CLEAR COVER FOR REINFORCEMENT SHALL BE AS FOLLOWS:-

- A) GRADE / PLINTH BEAM :25 MM (1")
- B) FOOTING / PILE CAP BOTTOM :50 MM (2")
- C) COLUMN :40 MM (1-1/2")
- D) FOOTING / PILE CAP SIDE :75 MM (3")
- E) ALL ROOF BEAM :25 MM (1")
- F) ALL ROOF SLAB :20 MM (3/4")
- G) R.C.C WALL (SHEAR WALL, SUMP, 40 MM (1-1/2")
- H) PILE SIDE :50 MM (2")
- I) SUMP BOTTOM SLAB :40 MM (1-1/2")
- J) COVER SLAB :25 MM (1")

7. REINFORCEMENT SYMBOL IS :-

A) Y OR O HIGH YIELD STRENGTH BARS OF MINIMUM YIELD STRENGTH IS 500 N/MM².

B) R OR O MILD STEEL OF MINIMUM YIELD STRENGTH IS 250 N/MM²

8. DO NOT SCALE THE DRAWING, REFER FIGURED DIMENSIONS

9. LAPPING OR ANCHORAGE LENGHT

A) BEAM AND SLAB = 60 X DIA OF BAR

B) COLUMN = 48 X DIA OF BAR

DESIGN LOADS:

- FLOOR SLAB - 5.0 kN/Sq.M
- ROOF SLAB - 1.5 kN/Sq.M

NOTES: THIS DRAWING IS VALID ONLY IF CONSULTANT CHECK AT SITE



M-STRUCTURES
STRUCTURAL CONSULTANT

MSSTRUCT@GMAIL.COM
FOR QUERIES: 8270017322
9360945808

CLIENT:

SURVEY NO.

USE:

BLOCK NO.

RESIDENT
G + ONE

LOCATION:

TITLE:

STRUCTURAL DRAWING

GROUND FLOOR ROOF SLAB DETAIL

DESIGNED:

CHECKED:

DATE:

DRAWN:

APPROVED:

SCALE:

PROJECT NO.

DRAWING NO.

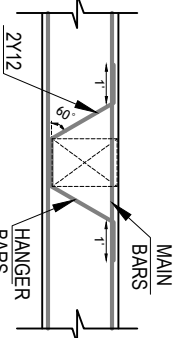
MS/2024/320

ST/GFB05/R0

LAPPING NOTES

MINIMUM LAP LENGTH FOR BEAM AND SLAB (60D) SHOULD BE AS FOLLOWS:

MINIMUM LAP LENGTH FOR BEAM AND SLAB (60D) SHOULD BE AS FOLLOWS:	
DIAMETER OF BAR	LAP LENGTH
8 mm	1' 6"
10 mm	2' 0"
12 mm	2' 6"
16 mm	3' 3"
20 mm	4' 0"
25 mm	5' 0"



HANGER BARS DETAIL

NOTES

GENERAL NOTES & TECHNICAL NOTES
REFER SHEET [ST/TN01/RO]

- GRADE OF CONCRETE : **M20** - (DESIGN MIX) (AS PER IS 456:2000)
- GRADE OF STEEL - **Fe500D** (AS PER IS 1786-2008)
- ANY DISCREPANCY FOUND IN THESE DRAWING SHOULD BE BROUGHT THE CONSULTANT ENGINEER NOTICE BEFORE EXECUTION.
- DO NOT CAST ANY R.C.C WORK UNLESS IT IS CHECKED AND CONFIRMED BY SITE ENGINEER.
- DESIGN OF PROPPING, SHUTTERING AND CONCRETE MIX IS CONTRACTOR OR CLIENT OR SITE PERSON RESPONSIBILITY.
- CLEAR COVER FOR REINFORCEMENT SHALL BE AS FOLLOWS:-

- A) GRADE / PLINTH BEAM : 25 MM (1")
B) COLUMN : 40 MM (1-1/2")
C) ALL ROOF BEAM : 25 MM (1")
D) ALL ROOF SLAB : 20 MM (3/4")

7. REINFORCEMENT SYMBOL IS :-

A) Y OR O - HIGH YIELD STRENGTH BARS OF MINIMUM YIELD STRENGTH IS 500 N/MM².

B) R OR O - MILD STEEL OF MINIMUM YIELD STRENGTH IS 250 N/MM²

8. DO NOT SCALE THE DRAWING.REFER FIGURED DIMENSIONS

9. LAPPING OR ANCHORAGE LENGTH
A) BEAM AND SLAB = 60 X DIA OF BAR
B) COLUMN = 50 X DIA OF BAR

DRAWING STATUS	
FOR REVIEW ONLY - NOT FOR CONSTRUCTION	
GOOD FOR CONSTRUCTION	✓

DESIGN LOADS:

- FLOOR SLAB - 2.5 kN/Sq.M
- ROOF SLAB - 1.5 kN/Sq.M

CONCRETE MIX

1 : 1.5 : 3

NOTES: THIS DRAWING IS VALID ONLY IF CONSULTANT CHECK AT SITE



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FOR QUERIES: 9345700173

CLIENT: SURVEY NO.:

BLOCK NO.:

USE: NO. OF FLOORS: LOCATION:

RESIDENT G + TWO

TITLE:

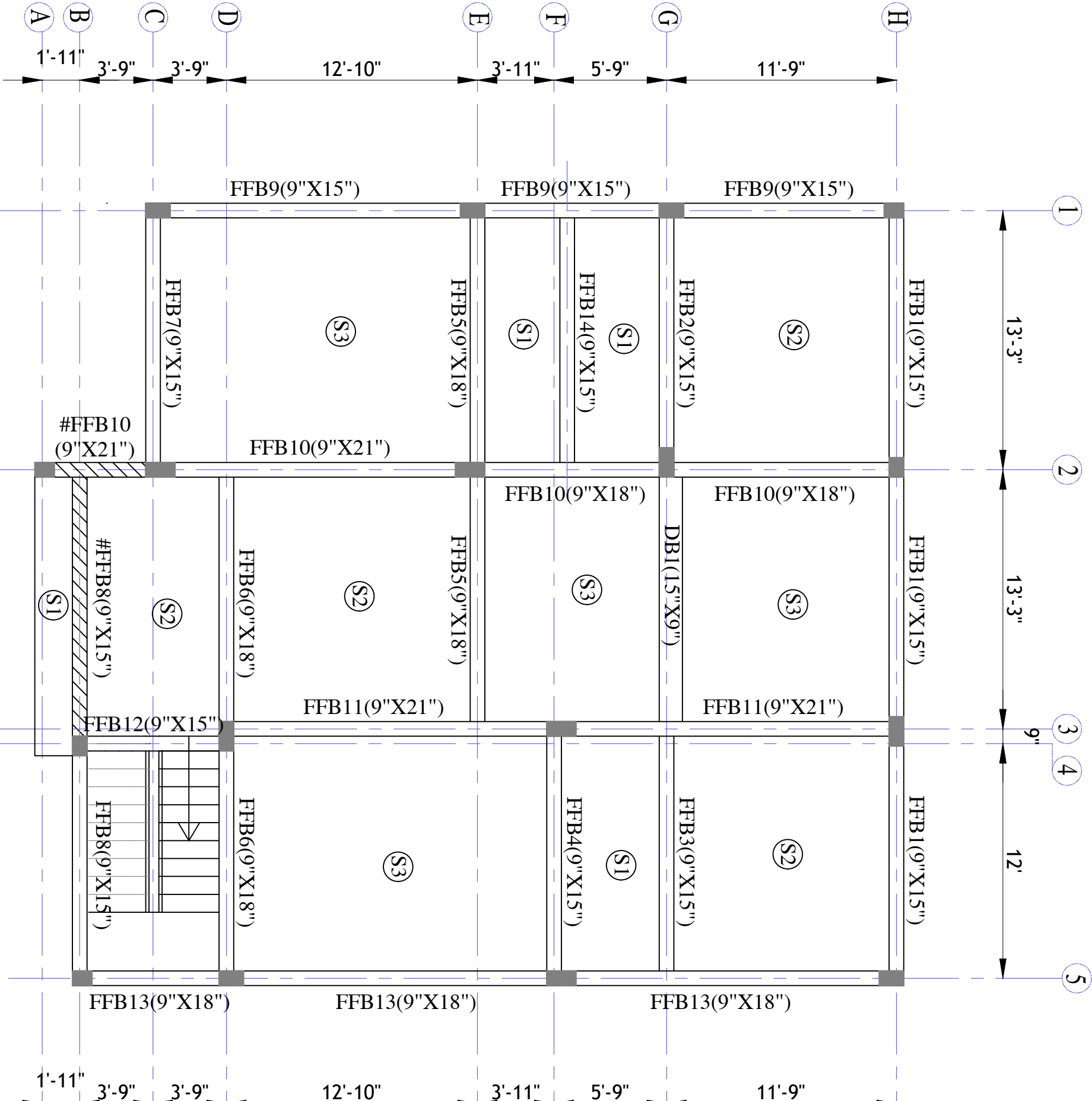
STRUCTURAL DRAWING

FIRST FLOOR ROOF BEAM & SLAB LAYOUT

DESIGNED: JAMEEL
CHECKED: JAMEEL
DATE: MAR 2024

DRAWN: MALIK
APPROVED: JAMEEL
SCALE: 1 : 100

PROJECT NO: MS/2024/320
DRAWING NO: ST/FFB01/RO



NOTES

GENERAL NOTES & TECHNICAL NOTES
REFER SHEET [ST/NO1/RO]

1. GRADE OF CONCRETE : **M20** - (DESIGN MIX) (AS PER IS 456-2000)
2. GRADE OF STEEL - **Fe500D** (AS PER IS 1786-2008)
3. ANY DISCREPANCY FOUND IN THESE DRAWING SHOULD BE BROUGHT THE CONSULTANT ENGINEER NOTICE BEFORE EXECUTION.
4. DO NOT CAST ANY R.C.C WORK UNLESS IT IS CHECKED AND CONFIRMED BY SITE ENGINEER.
5. DESIGN OF PROPPING, SHUTTERING AND CONCRETE MIX IS CONTRACTOR OR CLIENT OR SITE PERSON RESPONSIBILITY.
6. CLEAR COVER FOR REINFORCEMENT SHALL BE AS FOLLOWS:-

- A) GRADE / PLINTH. BEAM : 25 MM (1")
- B) COLUMN : 40 MM (1-1/2")
- C) ALL ROOF BEAM : 25 MM (1")
- D) ALL ROOF SLAB : 20 MM (3/4")

7. REINFORCEMENT SYMBOL IS :-
- A) Y OR O - HIGH YIELD STRENGTH BARS OF MINIMUM YIELD STRENGTH IS 500 N/MM².
- B) R OR Q - MILD STEEL OF MINIMUM YIELD STRENGTH IS 250 N/MM².

8. DO NOT SCALE THE DRAWING. REFER FIGURED DIMENSIONS.

9. LAPING OR ANCHORAGE LENGTH

- A) BEAM AND SLAB = 60 X DIA OF BAR
- B) COLUMN = 50 X DIA OF BAR

DRAWING STATUS	
FOR REVIEW ONLY - NOT FOR CONSTRUCTION	☐
GOOD FOR CONSTRUCTION	☒

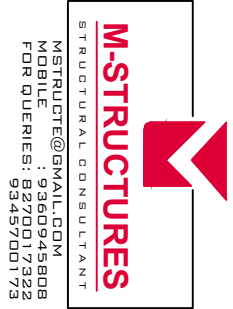
DESIGN LOADS:

1. FLOOR SLAB - 2.5 kN/Sq.M
2. ROOF SLAB - 1.5 kN/Sq.M

CONCRETE MIX

1 : 1.5 : 3

NOTES: THIS DRAWING IS VALID ONLY IF
CONSULTANT CHECK AT SITE



CLIENT: SURVEY NO:

BLOCK NO:

NO. OF FLOORS: LOCATION:

USE: RESIDENT G + TWO

TITLE:

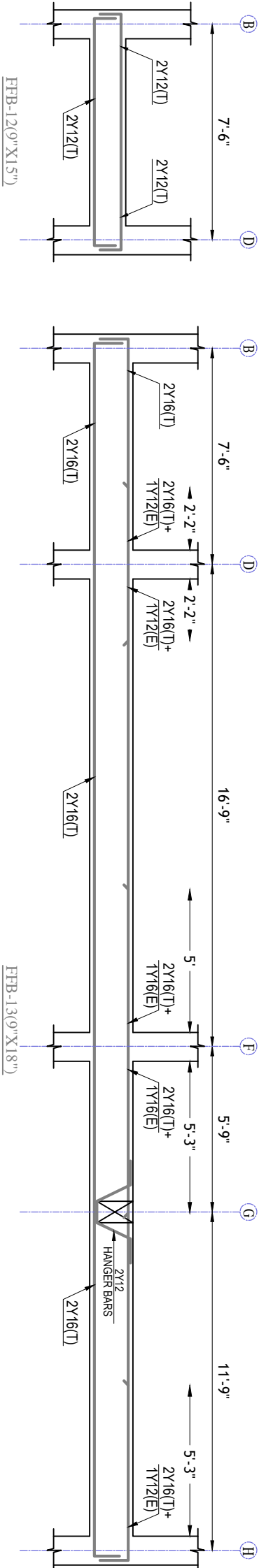
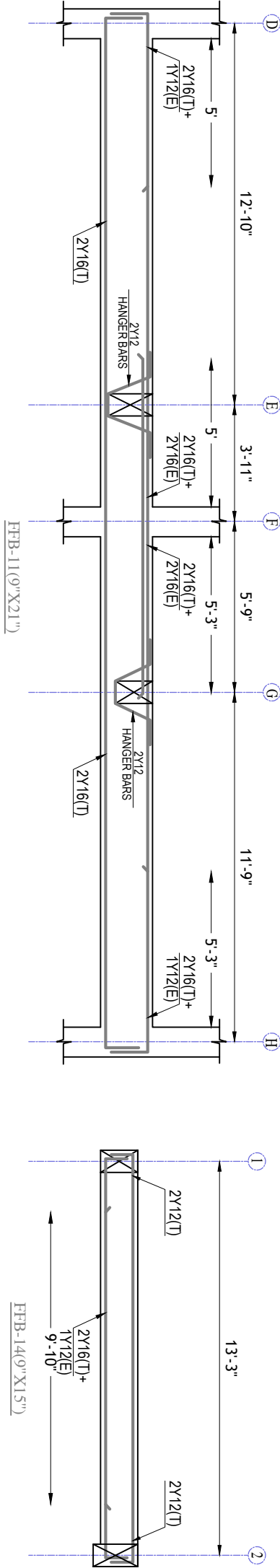
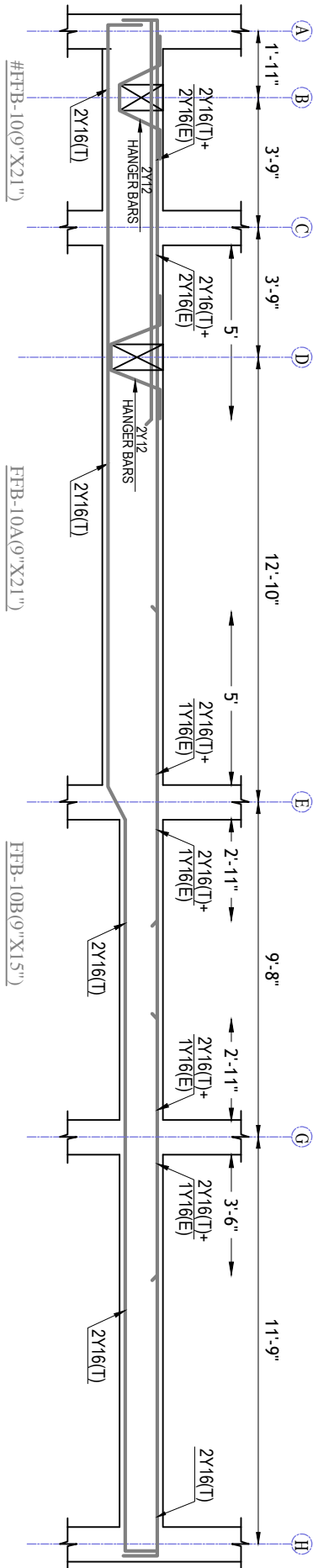
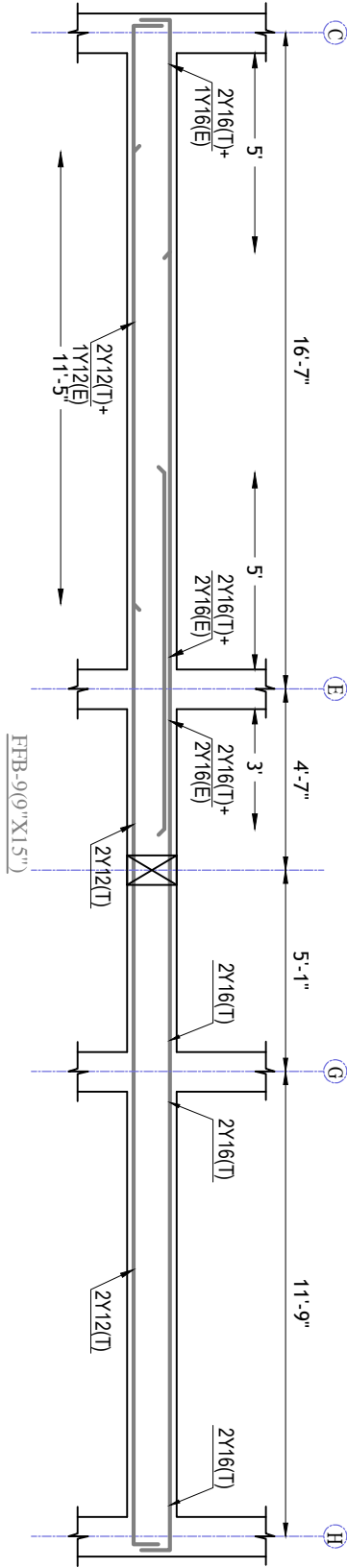
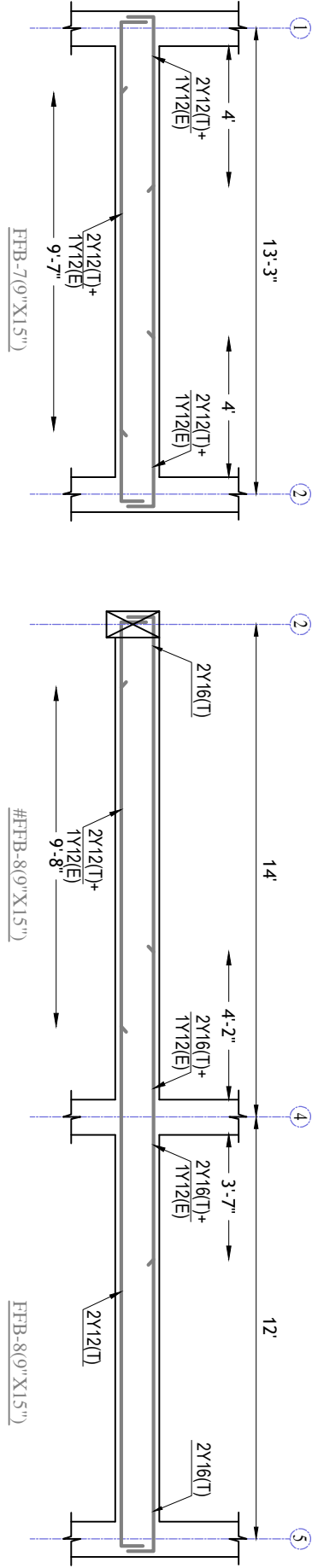
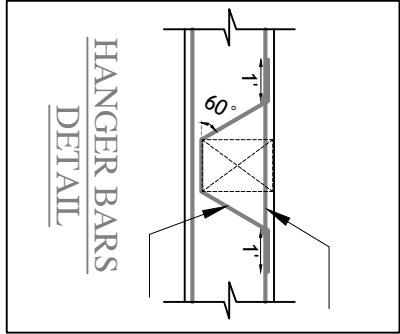
STRUCTURAL DRAWING

FIRST FLOOR ROOF BEAM DETAIL-2

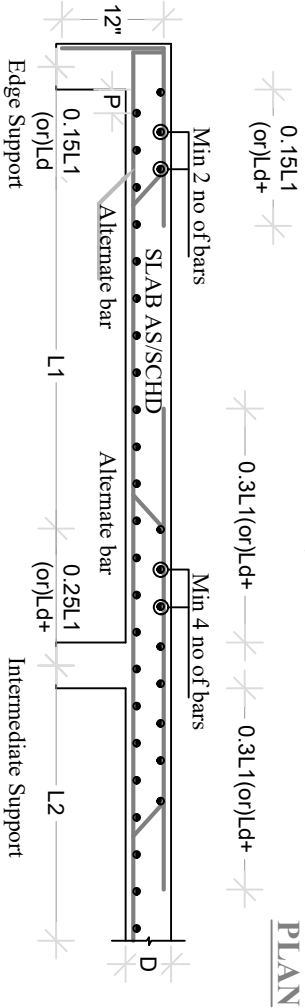
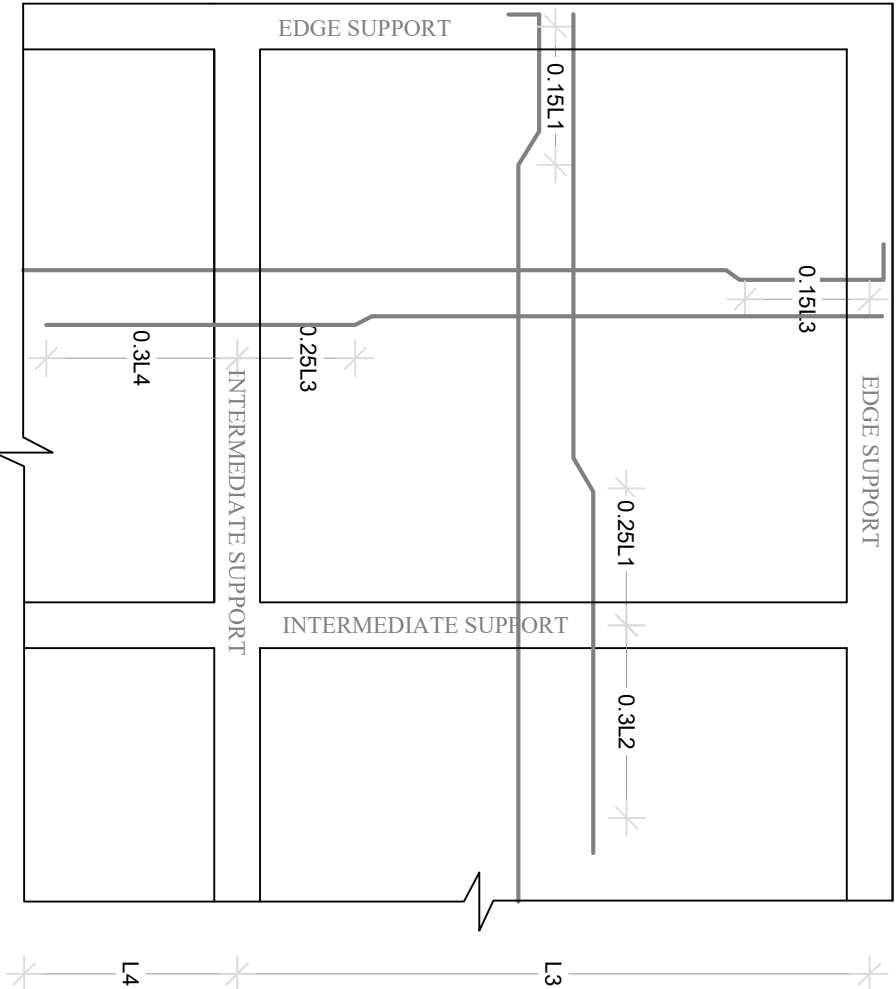
DESIGNED: JAMEEL CHECKED: JAMEEL DATE: MAR 2024

DRAWN: MALIK APPROVED: JAMEEL SCALE: 1 : 50

PROJECT NO: MS/2024/320 DRAWING NO: ST/FFB03/RO



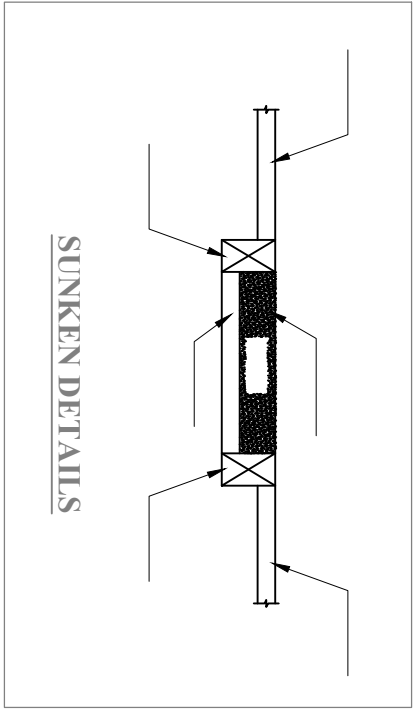
SCHEDULE OF SLABS							
TYPE	THICK	SLAB REINFORCEMENT				SLAB TYPE	REMARKS
		ALONG SHORT SPAN		ALONG LONG SPAN			
		BOTTOM	TOP	BOTTOM	TOP		
S1	5"	Y8 @ 5" C/C	Y8 @ 5" C/C	Y8 @ 5" C/C	Y8 @ 5" C/C	ONE WAY / CANTILEVER	DOUBLE MAT
S2	5"	Y8 @ 5" C/C	Y8 @ 5" C/C	Y8 @ 5" C/C	Y8 @ 5" C/C	TWO WAY	REFER TYPICAL DETAIL
S3	5"	Y10 @ 5" C/C	Y10 @ 5" C/C	Y8 @ 5" C/C	Y8 @ 5" C/C	TWO WAY	REFER TYPICAL DETAIL



WHERE,
D-DEPTH OF SLAB AS/SCHD
S-SPACING OF MAIN BAR AS/SCHD
P-SHALL NOT EXCEED S/2
+DENOTES THAT 0.3L OR Ld WHICHEVER IS GREATER SHOULD BE PROVIDED

TYPICAL TWO WAY SLAB CURTAILMENT DETAILS

DRAWING STATUS
FOR REVIEW ONLY - NOT FOR CONSTRUCTION
GOOD FOR CONSTRUCTION



NOTES

GENERAL NOTES & TECHNICAL NOTES
REFER SHEET [ST/N01/R0]

- GRADE OF CONCRETE : **M20** (DESIGN MIX) (AS PER IS 456-2000)
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 - A) GRADE / PLINTH BEAM :25 MM (1")
 - B) FOOTING / PILE CAP BOTTOM :50 MM (2")
 - C) COLUMN :40 MM (1-1/2")
 - D) FOOTING / PILE CAP SIDE :75 MM (3")
 - E) ALL ROOF BEAM :25 MM (1")
 - F) ALL ROOF SLAB :20 MM (3/4")
 - G) R.C.C WALL (SHEAR WALL,SUMP,40 MM (1-1/2")
 - H) PILE SIDE :50 MM (2")
 - I) SUMP BOTTOM SLAB :40 MM (1-1/2")
 - J) COVER SLAB :25 MM (1")
- REINFORCEMENT SYMBOL IS :-
 - A) Y OR O HIGH YIELD STRENGTH BARS OF MINIMUM YIELD STRENGTH IS 500 N/MM².
 - B) R OR O MILD STEEL OF MINIMUM YIELD STRENGTH IS 250 N/MM²
- DO NOT SCALE THE DRAWING, REFER FIGURED DIMENSIONS
- LAPPING OR ANCHORAGE LENGHT
 - A) BEAM AND SLAB = 50 X DIA OF BAR
 - B) COLUMN = 40 X DIA OF BAR

DESIGN LOADS:

- FLOOR SLAB - 2.5 kN/Sq.M
- ROOF SLAB - 1.5 kN/Sq.M

NOTES: THIS DRAWING IS VALID ONLY IF CONSULTANT CHECK AT SITE



M-STRUCTURES
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9343700173

CLIENT:

SURVEY NO.

BLOCK NO.

USE:

NO. OF FLOORS:

LOCATION:

RESIDENT

G + ONE

TITLE:

STRUCTURAL DRAWING
FIRST FLOOR ROOF SLAB DETAIL

DESIGNED:

CHECKED:

DATE:

DRAWN:

APPROVED:

SCALE:

PROJECT NO.

DRAWING NO.

MS/2024/320

ST/FFB05/R0

NOTES

GENERAL NOTES & TECHNICAL NOTES
REFER SHEET (ST/NO1/RO)

- 1.GRADE OF CONCRETE : **M20** - (DESIGN MIX) (AS PER IS 456-2000)
- 2.GRADE OF STEEL : **Fe500D** (AS PER IS 1786-2008)
- 3.ANY DISCREPANCY FOUND IN THESE DRAWING SHOULD BE BROUGHT THE CONSULTANT ENGINEER NOTICE BEFORE EXECUTION.
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- 6.CLEAR COVER FOR REINFORCEMENT SHALL BE AS FOLLOWS:-
- | | |
|--|-----------------|
| A) GRADE / PLINTH BEAM | :25 MM (1") |
| B) FOOTING / PILE CAP BOTTOM | :50 MM (2") |
| C) COLUMN | :40 MM (1-1/2") |
| D) FOOTING / PILE CAP SIDE | :75 MM (3") |
| E) ALL ROOF BEAM | :25 MM (1") |
| F) ALL ROOF SLAB | :20 MM (3/4") |
| G) R.C WALL (SHEAR WALL,SUMP):40 MM (1-1/2") | |
| H)PILE SIDE | :50 MM (2") |
| I)SUMP BOTTOM SLAB | :40 MM (1-1/2") |
| J)COVER SLAB | :25 MM (1") |
7. REINFORCEMENT SYMBOL IS :-
- A) Y OR O HIGH YIELD STRENGTH BARS OF MINIMUM YIELD STRENGTH IS 500 NMM².
- B) R OR O MILD STEEL OF MINIMUM YIELD STRENGTH IS 250 NMM²
8. DO NOT SCALE THE DRAWING,REFER FIGURED DIMENSIONS
9. LAPING OR ANCHORAGE LENGTH
- A) BEAM AND SLAB = 60 X DIA OF BAR
- B) COLUMN = 48 X DIA OF BAR

DRAWING STATUS GOOD FOR CONSTRUCTION

DESIGN LOADS:

1. FLOOR SLAB - 2.5 KN/Sq.M
2. ROOF SLAB -1.5 KN/Sq.M

NOTES: THIS DRAWING IS VALID ONLY IF CONSULTANT CHECK AT SITE

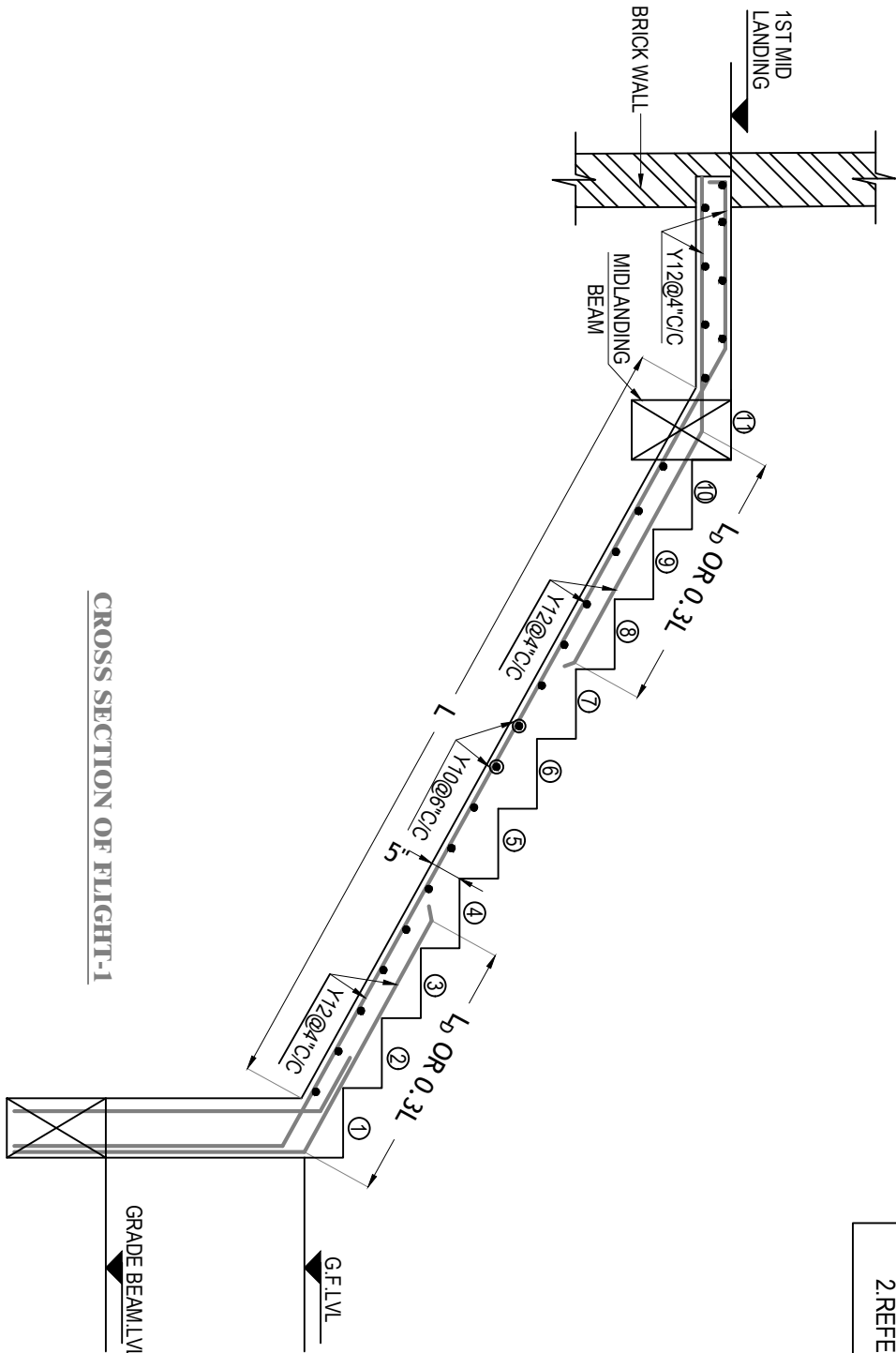
**M-STRUCTURES**
STRUCTURAL CONSULTANT

MSTRUCUTE@GMAIL.COM
MOBILE : 9360945808
FOR QUERIES: 9342042522
9345700173

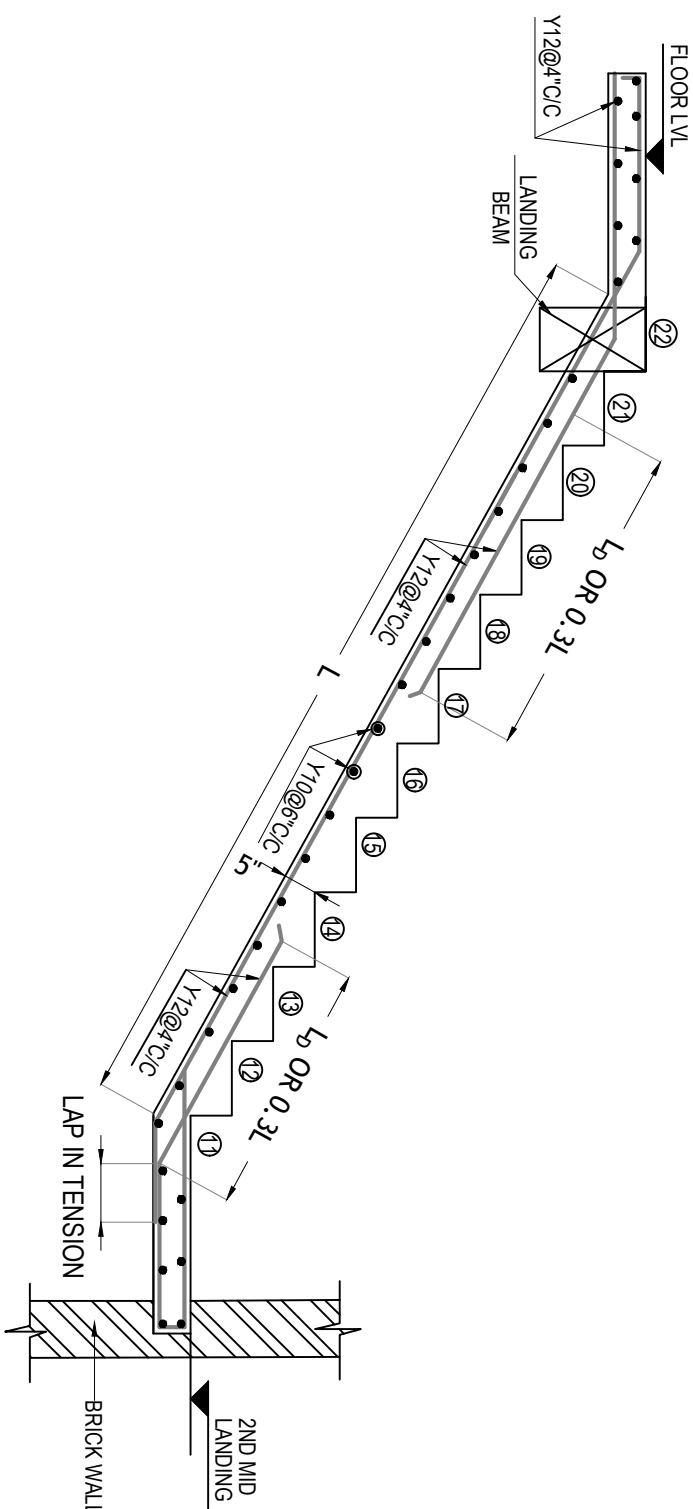
CLIENT:	SURVEY NO:	
USE:	NO. OF FLOORS:	LOCATION:
RESIDENT	G + TWO	
TITLE: STRUCTURAL DRAWING STAIRCASE DETAIL-1		

DESIGNED: SHEIK	CHECKED: JAMEEL	DATE: MAR 2024
DRAWN: MALIK	APPROVED: JAMEEL	SCALE: 1 : 25
PROJECT NO: MS/2024/320	DRAWING NO: ST/SC01/RO	

NOTE:
1.REFER ARCH DRAWING FOR MID LANDING LEVELS
2.REFER ARCH DRAWING FOR TREAD AND RISER DIMENSIONS



CROSS SECTION OF FLIGHT-1



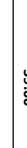
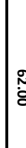
CROSS SECTION OF FLIGHT-2

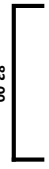
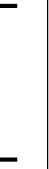


M-STRUCTURES STRUCTURAL CONSULTANT		PROJECT NUMBER		QS-05		BUILDING TYPE		RESIDENTIAL	
		NAME OF THE CLIENT		MR. CRISTOPHER		SHEET NAME		ABSTRACT	
		NAME OF THE ARCHITECTS / CONTRACTORS		-		PREPARED BY		-	
		NAME OF THE CONSULTANT		M-STRUCTURES STRUCTURAL CONSULTANT		CHECKED BY		-	
SI.NO	DESCRIPTION	CONCRETE QTY (CU.FT)	STEEL QTY (KG)	REMARKS					
1	FOOTING 10 MM DIA 12 MM DIA	885.56	58.33 1003.15						
2	NECK COLUMN PCC TO BELT BEAM 8 MM DIA 16 MM DIA 20 MM DIA	138.66	197.95 918.34 288.23						
3	GRADE BEAM 8 MM DIA 12 MM DIA 16 MM DIA	365.21	274.63 134.51 577.65						
4	BELT BEAM 8 MM DIA 12 MM DIA	138.28	141.80 406.41						
5	COLUMN BELT BEAM TO GF ROOF 8 MM DIA 16 MM DIA 20 MM DIA	179.44	197.95 725.95 215.08						

S.NO	DESCRIPTION	CONCRETE QTY (CU.FT)	STEEL QTY (KG)	REMARKS
6	GROUND FLOOR ROOF BEAM 8 MM DIA 12 MM DIA 16 MM DIA	388.22	286.46	
			74.16	
			777.89	
7	GROUND FLOOR ROOF SLAB 8 MM DIA 10 MM DIA	590.17	1251.40	
			526.86	
8	COLUMN GF ROOF TO FF ROOF 8 MM DIA 16 MM DIA 20 MM DIA	179.44	197.95	
			725.95	
			215.08	
9	FIRST FLOOR ROOF BEAM 8 MM DIA 12 MM DIA 16 MM DIA	388.41	288.71	
			135.09	
			683.73	
10	FIRST FLOOR ROOF SLAB 8 MM DIA 10 MM DIA	590.17	1251.40	
			526.86	

NOTE:	WASTAGE OF STEEL IS NOT INCLUDED. STEEL QUANTITY HAS BEEN TAKEN AS PER THE STRUCTURAL DRAWING PROVIDED.
NOTE:	QUANTITY TAKEN EXCLUDING LINTEL & STAIRCASE

S.NO	MEMBER	FOOTING DETAIL			DESCRIPTION	DIA	C/C	NO.OF BARS	NO.OF FOOTING	TOTAL NO.OF BARS	SHAPE OF BAR (in inch)	CUT.LENGTH	TOTAL CUT.LENGTH	TOTAL LENGTH IN inches					
		L	B	D										Ø8	Ø10	Ø12	Ø16	Ø20	Ø25
1	F1	3	3	0	SHORT	10	5	9	2	18		49.00	882.00	0	882.00	0	0	0	0
		0	0	12	LONG	10	5	9	2	18		49.00	882.00	0	882.00	0	0	0	0
		36	36	12	LONG	10	5	9	2	18		49.00	882.00	0	882.00	0	0	0	0
2	F2	5	4	0	SHORT	10	5	14	1	14		70.00	980.00	0	980.00	0	0	0	0
		3	9	12	SHORT	10	5	13	1	13		76.00	988.00	0	988.00	0	0	0	0
		63	57	12	LONG	10	5	13	1	13		76.00	988.00	0	988.00	0	0	0	0
3	F3	5	5	0	SHORT	12	5	15	2	30		76.00	2280.00	0	0	2280.00	0	0	0
		6	3	15	SHORT	12	5	14	2	28		79.00	2212.00	0	0	2212.00	0	0	0
		66	63	15	LONG	12	5	14	2	28		79.00	2212.00	0	0	2212.00	0	0	0
4	F4	6	5	0	SHORT	12	5	16	3	48		82.00	3936.00	0	0	3936.00	0	0	0
		0	9	15	SHORT	12	5	15	3	45		85.00	3825.00	0	0	3825.00	0	0	0
		72	69	15	LONG	12	5	15	3	45		85.00	3825.00	0	0	3825.00	0	0	0
5	F5	6	6	0	SHORT	12	5	17	2	34		85.00	2890.00	0	0	2890.00	0	0	0
		6	0	15	SHORT	12	5	16	2	32		91.00	2912.00	0	0	2912.00	0	0	0
		78	72	15	LONG	12	5	16	2	32		91.00	2912.00	0	0	2912.00	0	0	0
6	F6	7	6	0	SHORT	12	5	18	3	54		94.00	5076.00	0	0	5076.00	0	0	0
		0	9	18	SHORT	12	5	18	3	54		97.00	5238.00	0	0	5238.00	0	0	0
		84	81	18	LONG	12	5	18	3	54		97.00	5238.00	0	0	5238.00	0	0	0

S.NO	MEMBER	FOOTING DETAIL			DESCRIPTION	DIA	C/C	NO.OF BARS	NO.OF FOOTING	TOTAL NO.OF BARS	SHAPE OF BAR (in inch)	CUT.LENGTH	TOTAL CUT.LENGTH	TOTAL LENGTH IN inches					
		L	B	D										Φ8	Φ10	Φ12	Φ16	Φ20	Φ25
7	F7	7	7	0	SHORT	12	5	19	1	19		100.00	1900.00	0	0	1900.00	0	0	0
		6	3	18															
		90	87	18	LONG	12	5	19	1	19		103.00	1957.00	0	0	1957.00	0	0	0
8	F8	8	8	0	SHORT	12	5	21	2	42		109.00	4578.00	0	0	4578.00	0	0	0
		3	0	21															
		99	96	21	LONG	12	5	21	2	42		112.00	4704.00	0	0	4704.00	0	0	0
9	NFI - Double Matt	5	3	0	SHORT	12	5	14	1	14		55.00	770.00	0	0	770.00	0	0	0
		3	6	12															
		63	42	12	LONG	12	5	10	1	10		76.00	760.00	0	0	760.00	0	0	0
		5	3	0	SHORT	12	5	14	1	14		55.00	770.00	0	0	770.00	0	0	0
		3	6	12															
		63	42	12	LONG	12	5	10	1	10		76.00	760.00	0	0	760.00	0	0	0

TOTAL CUT.LENGTH IN inches	48300	0.000	3732.000	44568.000	0.000	0.000	0.000
TOTAL NO.OF BARS	0	8	93	0	0	0	0
	Φ8	Φ10	Φ12	Φ16	Φ20	Φ25	
TOTAL CUT.LENGTH IN KG	0	58.33	1003.15	0	0	0	0

S.NO	MEMBER	FOOTING DETAIL			NO.OF FOOTING	TRAPIZOIDAL VOLUME	TOTAL CONCRETE QUANTITY
		L	B	D			(CU.FT)
1	F1	3	3	0	2		18.00
		0	0	12			
		3	3	1			
2	F2	5	4	0	1		24.94
		3	9	12			
		5.25	4.75	1			
3	F3	5	5	0	2		72.19
		6	3	15			
		5.5	5.25	1.25			
4	F4	6	5	0	3		129.38
		0	9	15			
		6	5.75	1.25			
5	F5	6	6	0	2		97.50
		6	0	15			
		6.5	6	1.25			

1
2
3
4
5
6
7

6	F6	7	6	0	3		212.63
		0	9	18			
		7	6.75	1.5			
7	F7	7	7	0	1		81.56
		6	3	18			
		7.5	7.25	1.5			
8	F8	8	8	0	2		231.00
		3	0	21			
		8.25	8	1.75			
9	CF1	5	3	0	1	-	18.38
		3	6	12			
		5.25	3.5	1			

TOTAL CONCRETE QUANTITY

885.56

CU.FT

S.NO	MEMBER	COLUMN DETAIL			EXCAVATION DEPTH FROM NGL	N.G.L TO B.B.L	NO .OF COLUMN	TOTAL CONCRETE QUANTITY	
		BAR	B	D				(CU.FT)	
1	C1	6Y16	0	0	5	3	5	31.88	
			9	12	0	6			
			0.75	1	5	3.5			
			0	0	5	3			
2	C2	6Y16	0	0	5	3	3	23.91	
			9	15	0	6			
			0.75	1.25	5	3.5			
			0	0	5	3			
3	C3	8Y16	0	0	5	3	2	15.94	
			9	15	0	6			
			0.75	1.25	5	3.5			
			0	0	5	3			
4	C4	8Y16	0	0	5	3	3	28.69	
			9	18	0	6			
			0.75	1.5	5	3.5			
			0	0	5	3			

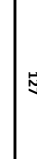
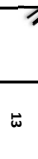
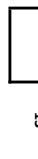
5	C5	10Y16	0	0	5	3	2	19.13
			9	18	0	6		
			0.75	1.5	5	3.5		
			0	0	5	3		
6	C6	10Y20	9	18	0	6	2	19.13
			0.75	1.5	5	3.5		
			0	0	5	3		

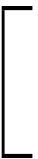
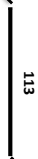
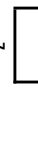
TOTAL CONCRETE QUANTITY

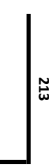
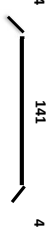
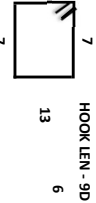
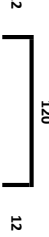
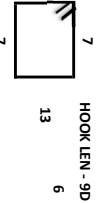
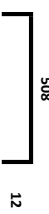
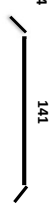
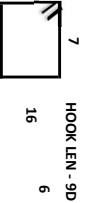
CU.FT

138.66

S.NO	MEMBER	GRADE BEAM DETAIL			DESCRIPTION	DIA	C/C	NO.OF BARS	NO.OF BEAM	TOTAL NO.OF BARS	SHAPE OF BAR	CUT.LENGTH	TOTAL CUT.LENGTH	TOTAL LENGTH IN M					
		L	B	D										Ø8	Ø10	Ø12	Ø16	Ø20	Ø25
7	GB-7	26	0	0	TOP	16	-	2	1	2		343.00	686.00	0	0	0	686.00	0	0
		9	9	15	BOT	16	-	2	1	2		343.00	686.00	0	0	0	686.00	0	0
		321	9	15	EXT.TOP	16	-	1	1	1		120.00	120.00	0	0	0	120.00	0	0
		9	0	0	STIRRUPS	8	6	49	1	49		39.00	1911.00	0	0	0	0	0	0
		23	0	0	TOP	12	-	2	1	2		190.00	380.00	0	0	380.00	0	0	0
		9	9	15	BOT	12	-	2	1	2		190.00	380.00	0	0	380.00	0	0	0
		285	9	15	STIRRUPS	8	6	49	1	49		39.00	1911.00	0	0	0	0	0	0
		14	0	0	TOP	12	-	2	1	2		190.00	380.00	0	0	380.00	0	0	0
		0	9	15	BOT	12	-	2	1	2		190.00	380.00	0	0	380.00	0	0	0
		168	9	15	STIRRUPS	8	6	26	1	26		39.00	1014.00	0	0	0	0	0	0
8	GB-8	12	0	0	TOP	16	-	2	1	2		343.00	686.00	0	0	0	686.00	0	0
		6	9	15	BOT	16	-	2	1	2		343.00	686.00	0	0	0	686.00	0	0
		150	9	15	STIRRUPS	8	6	26	1	26		39.00	1014.00	0	0	0	0	0	0
		26	0	0	TOP	12	-	2	1	2		343.00	686.00	0	0	0	686.00	0	0
		9	9	15	BOT	12	-	2	1	2		343.00	686.00	0	0	0	686.00	0	0
9	GB-9	321	9	15	STIRRUPS	8	6	50	1	50		39.00	1950.00	0	0	0	0	0	0
		24	0	0	TOP	12	-	2	1	2		343.00	686.00	0	0	0	686.00	0	0
		3	9	15	BOT	12	-	2	1	2		343.00	686.00	0	0	0	686.00	0	0
		291	9	15	STIRRUPS	8	6	50	1	50		39.00	1950.00	0	0	0	0	0	0

S.NO	MEMBER	GRADE BEAM DETAIL			DESCRIPTION	DIA	C/C	NO.OF BARS	NO.OF BEAM	TOTAL NO.OF BARS	SHAPE OF BAR	CUT.LENGTH	TOTAL CUT.LENGTH	TOTAL LENGTH IN M					
		L	B	D										Ø8	Ø10	Ø12	Ø16	Ø20	Ø25
10	GB-10	41	0	0	TOP	16	-	2	1	2		517.00	1034.00	0	0	0	1034.00	0	0
		3	9	15															
		495	9	15	BOT	12	-	2	1	2		517.00	1034.00	0	0	1034.00	0	0	0
		9	0	0								119.00	119.00	0	0	0	119.00	0	0
		3	9	15				1	1	1									
		111	9	15	EXT.TOP	16	-	1	1	1		119.00	119.00	0	0	0	119.00	0	0
		10	0	0															
		7	9	15				1	1	1		135.00	135.00	0	0	135.00	0	0	0
		127	9	15	EXT.BOT	12	-	1	1	1									
		36	0	0								39.00	2886.00	0	0	0	0	0	0
		6	9	15	STIRRUPS	8	6	74	1	74		39.00	2886.00	0	0	0	0	0	0
		438	9	15															
11	GB-11	10	0	0	TOP	12	-	2	1	2		147.00	294.00	0	0	294.00	0	0	0
		5	9	15															
		125	9	15	BOT	16	-	2	1	2		147.00	294.00	0	0	0	294.00	0	0
		8	0	0								39.00	741.00	0	0	0	0	0	0
		11	9	15				19	1	19		39.00	741.00	0	0	0	0	0	0
		107	9	15	STIRRUPS	8	6	19	1	19		39.00	741.00	0	0	0	0	0	0

S.NO	MEMBER	GRADE BEAM DETAIL			DESCRIPTION	DIA	C/C	NO.OF BARS	NO.OF BEAM	TOTAL NO.OF BARS	SHAPE OF BAR	CUT.LENGTH	TOTAL CUT.LENGTH	TOTAL LENGTH IN M					
		L	B	D										Ø8	Ø10	Ø12	Ø16	Ø20	Ø25
12	GB-12	44	0	0	TOP	16	-	2	1	2		555.00	1110.00	0	0	0	1110.00	0	0
		5	9	18	BOT	16	-	2	1	2		555.00	1110.00	0	0	0	1110.00	0	0
		533	9	18	EXT.TOP 1	16	-	1	1	1		146.00	146.00	0	0	0	146.00	0	0
		11	0	0	EXT.TOP 2	12	-	1	1	1		121.00	121.00	0	0	121.00	0	0	0
		5	9	18	STIRRUPS	8	6	79	1	79		45.00	3555.00	0	0	0	0	0	0
		113	9	18	STIRRUPS	8	6	79	1	79		45.00	3555.00	0	0	0	0	0	0
		38	0	0	STIRRUPS	8	6	79	1	79		45.00	3555.00	0	0	0	0	0	0
		11	9	18	STIRRUPS	8	6	79	1	79		45.00	3555.00	0	0	0	0	0	0
		467	9	18	STIRRUPS	8	6	79	1	79		45.00	3555.00	0	0	0	0	0	0
		17	0	0	TOP	16	-	2	1	2		216.00	432.00	0	0	0	432.00	0	0
13	GB-13	1.5	9	18	TOP	16	-	2	1	2		216.00	432.00	0	0	0	432.00	0	0
		205.5	9	18	BOT	16	-	2	1	2		216.00	432.00	0	0	0	432.00	0	0
		15	0	0	STIRRUPS	8	6	33	1	33		45.00	1485.00	0	0	0	0	0	0
		7.5	9	18	STIRRUPS	8	6	33	1	33		45.00	1485.00	0	0	0	0	0	0
		187.5	9	18	STIRRUPS	8	6	33	1	33		45.00	1485.00	0	0	0	0	0	0

S.NO	MEMBER	GRADE BEAM DETAIL			DESCRIPTION	DIA	C/C	NO.OF BARS	NO.OF BEAM	TOTAL NO.OF BARS	SHAPE OF BAR	CUT.LENGTH	TOTAL CUT.LENGTH	TOTAL LENGTH IN M					
		L	B	D										Ø8	Ø10	Ø12	Ø16	Ø20	Ø25
13A	GB-13A	17	0	0	TOP	16	-	2	1	2		225.00	450.00	0	0	0	450.00	0	0
		10.5	9	15															
		214.5	9	15	BOT	16	-	2	1	2		225.00	450.00	0	0	0	450.00	0	0
		11	0	0	EXT.TOP	16	-	2	1	2		149.00	298.00	0	0	0	298.00	0	0
		9	9	15															
		141	9	15	STIRRUPS	8	6	34	1	34		39.00	1326.00	0	0	0	0	0	0
14	GB-14	196.5	9	15															
		10	0	0	TOP	16	-	2	1	2		144.00	288.00	0	0	0	288.00	0	0
		2	9	15															
		122	9	15	BOT	12	-	2	1	2		144.00	288.00	0	0	288.00	0	0	0
		8	0	0	STIRRUPS	8	6	19	1	19		39.00	741.00	0	0	0	0	0	0
		104	9	15															
15	GB-15	42	0	0	TOP	16	-	2	1	2		532.00	1064.00	0	0	0	1064.00	0	0
		6	9	18															
		510	9	18	BOT	16	-	2	1	2		532.00	1064.00	0	0	0	1064.00	0	0
		11	0	0	EXT.TOP	16	-	1	1	1		149.00	149.00	0	0	0	149.00	0	0
		9	9	18															
		141	9	18	STIRRUPS	8	6	76	1	76		45.00	3420.00	0	0	0	0	0	0

S.NO	MEMBER	GRADE BEAM DETAIL			NO.OF BEAM	TOTAL NO.OF BARS	
		L	B	D		(CU.FT)	
1	GB-1	39	0	0	1	36.80	
		3	9	15			
		39.25	0.75	1.25			
2	GB-2	14	0	0	1	13.13	
		0	9	15			
		14	0.75	1.25			
3	GB-3	13	0	0	1	12.66	
		6	9	15			
		13.5	0.75	1.25			
4	GB-4	10	0	0	1	9.38	
		0	9	15			
		10	0.75	1.25			
5	GB-5	13	0	0	1	12.66	
		6	9	15			
		13.5	0.75	1.25			
6	GB-6	27	0	0	1	25.55	
		3	9	15			
		27.25	0.75	1.25			

7	GB-7	26	0	0	1	25.08
		9	9	15		
		26.75	0.75	1.25		
8	GB-8	14	0	0	1	13.13
		0	9	15		
		14	0.75	1.25		
		26	0	0		
9	GB-9	9	9	15	1	25.08
		26.75	0.75	1.25		
		41	0	0		
		3	9	15		
10	GB-10	41.25	0.75	1.25	1	38.67
		10	0	0		
		5	9	15		
11	GB-11	10.42	0.75	1.25	1	9.77

12	GB-12	44	0	0	1	49.97
		5	9	18		
		44.42	0.75	1.5		
13	GB-13	17	0	0	1	19.27
		1.5	9	18		
		17.13	0.75	1.5		
13A	GB-13A	17	0	0	1	16.76
		10.5	9	15		
		17.88	0.75	1.25		
14	GB-14	10	0	0	1	9.53
		2	9	15		
		10.17	0.75	1.25		
15	GB-15	42	0	0	1	47.81
		6	9	18		
		42.5	0.75	1.5		

TOTAL CONCRETE QUANTITY		365.21
CU.FT		

S.NO	MEMBER	BELT BEAM DETAIL			DESCRIPTION	DIA	C/C	NO.OF BARS	NO.OF BEAM	TOTAL NO.OF BARS	SHAPE OF BAR	CUT.LENGTH	TOTAL CUT.LENGTH	TOTAL LENGTH IN M					
		L	B	D										Ø8	Ø10	Ø12	Ø16	Ø20	Ø25
7	BB-1/Gb-7	26	0	0	TOP	12	-	2	1	2		327.00	654.00	0	0	654.00	0	0	0
		9	9	6	BOT	12	-	2	1	2		327.00	654.00	0	0	654.00	0	0	0
		321	9	6		12	-	2	1	2		327.00	654.00	0	0	654.00	0	0	0
		23	0	0	STIRRUPS	8	6	49	1	49		21.00	1029.00	0	0	0	0	0	0
		9	9	6		8	6	49	1	49		21.00	1029.00	0	0	0	0	0	0
8	BB-1/Gb-8	285	9	6	STIRRUPS	8	6	49	1	49		21.00	1029.00	0	0	0	0	0	0
		14	0	0	TOP	12	-	2	1	2		174.00	348.00	0	0	348.00	0	0	0
		0	9	6		12	-	2	1	2		174.00	348.00	0	0	348.00	0	0	0
		168	9	6	BOT	12	-	2	1	2		174.00	348.00	0	0	348.00	0	0	0
		12	0	0	STIRRUPS	8	6	26	1	26		21.00	546.00	0	0	0	0	0	0
9	BB-1/Gb-9	6	9	6		8	6	26	1	26		21.00	546.00	0	0	0	0	0	0
		150	9	6	TOP	12	-	2	1	2		327.00	654.00	0	0	654.00	0	0	0
		26	0	0		12	-	2	1	2		327.00	654.00	0	0	654.00	0	0	0
		9	9	6	BOT	12	-	2	1	2		327.00	654.00	0	0	654.00	0	0	0
		321	9	6		12	-	2	1	2		327.00	654.00	0	0	654.00	0	0	0
9	BB-1/Gb-9	24	0	0	STIRRUPS	8	6	50	1	50		21.00	1050.00	0	0	0	0	0	0
		3	9	6		8	6	50	1	50		21.00	1050.00	0	0	0	0	0	0
9	BB-1/Gb-9	291	9	6	STIRRUPS	8	6	50	1	50		21.00	1050.00	0	0	0	0	0	0
		291	9	6		8	6	50	1	50		21.00	1050.00	0	0	0	0	0	0

S.NO	MEMBER	BELT BEAM DETAIL			DESCRIPTION	DIA	C/C	NO.OF BARS	NO.OF BEAM	TOTAL NO.OF BARS	SHAPE OF BAR	CUT.LENGTH	TOTAL CUT.LENGTH	TOTAL LENGTH IN M					
		L	B	D										Ø8	Ø10	Ø12	Ø16	Ø20	Ø25
15	BB-1/G8-15	42	0	0	TOP	12	-	2	1	2	4 508 4	516.00	1032.00	0	0	1032.00	0	0	0
		6	9	6	BOT	12	-	2	1	2	4 508 4	516.00	1032.00	0	0	1032.00	0	0	0
		510	9	6		12	-	2	1	2	4 508 4	516.00	1032.00	0	0	1032.00	0	0	0
		37	0	0		12	-	2	1	2	4 508 4	516.00	1032.00	0	0	1032.00	0	0	0
		6	9	6	STIRRUPS	8	6	76	1	76	4 7 4 6 7 HOOK LEN - 9D	21.00	1596.00	1596.00	0	0	0	0	0

TOTAL CUT.LENGTH IN M		32231.00	14175.00	0.00	18056.00	0.00	0.00	0.00	0.00
		30	0	38	0	0	0	0	0
		Ø8	Ø10	Ø12	Ø16	Ø20	Ø25		
TOTAL CUT.LENGTH IN KG		141.80	0	406.41	0.00	0	0		

S.NO	MEMBER	BELT BEAM DETAIL			NO.OF BEAM	TOTAL NO.OF BARS	
		L	B	D		(CU.FT)	
1	BB-1/GB-1	39	0	0	1	14.72	
		3	9	6			
		39.25	0.75	0.5			
2	BB-1/GB-2	14	0	0	1	5.25	
		0	9	6			
		14	0.75	0.5			
3	BB-1/GB-3	13	0	0	1	5.06	
		6	9	6			
		13.5	0.75	0.5			
4	BB-1/GB-4	10	0	0	1	3.75	
		0	9	6			
		10	0.75	0.5			
5	BB-1/GB-5	13	0	0	1	5.06	
		6	9	6			
		13.5	0.75	0.5			
6	BB-1/GB-6	27	0	0	1	10.22	
		3	9	6			
		27.25	0.75	0.5			

7	BB-1/GB-7	26	0	0	1	10.03
		9	9	6		
		26.75	0.75	0.5		
8	BB-1/GB-8	14	0	0	1	5.25
		0	9	6		
		14	0.75	0.5		
		26	0	0		
9	BB-1/GB-9	9	9	6	1	10.03
		26.75	0.75	0.5		
		41	0	0		
10	BB-1/GB-10	3	9	6	1	15.47
		41.25	0.75	0.5		
		10	0	0		
11	BB-1/GB-11	5	9	6	1	3.91
		10.42	0.75	0.5		

12	BB-1/GB-12	44	0	0	1	16.66
		5	9	6		
		44.42	0.75	0.5		
13	BB-1/GB-13	17	0	0	1	6.42
		1.5	9	6		
		17.13	0.75	0.5		
13A	BB-1/GB-13A	17	0	0	1	6.70
		10.5	9	6		
		17.88	0.75	0.5		
14	BB-1/GB-14	10	0	0	1	3.81
		2	9	6		
		10.17	0.75	0.5		
15	BB-1/GB-15	42	0	0	1	15.94
		6	9	6		
		42.5	0.75	0.5		

TOTAL CONCRETE QUANTITY		CU.FT	138.28

S.NO	MEMBER	COLUMN DETAIL			DESCRIPTION	DIA	C/C	FLOOR TO FLOOR HT	NO LAPPING ZONE	NO.OF BARS	NO.OF COLUMN	TOTAL NO.OF BARS	SHAPE OF BAR (BELT TO GF ROOF)		CUT.LENGTH	CUT.LENGTH	TOTAL CUT.LENGTH	TOTAL LENGTH IN INCHES							
		BAR	B	D									ABV P.C.C TO BELT BEAM					Ø8	Ø10	Ø12	Ø16	Ø20	Ø25		
4	C4	8Y16			MAIN BAR-1	16	-	11	0	33	4	3	12	163	164	0.00	1968.00	0	0	0	1968.00	0	0		
					MAIN BAR-1 ALT	16	-	11	0	33	4	3	12	163	164	0.00	1968.00	0	0	0	1968.00	0	0		
					STIRRUPS-1	8	6	11	0		17	3	51	15	HOOK, LEN=90	48	2448.00	2448.00	0	0	0	0	0	0	
COLUMN C4 AT GRID C2, F5, G2					STIRRUPS-2	8	6	11	0		17	3	51	6	HOOK, LEN=90	30	1530.00	1530.00	0	0	0	0	0	0	
5	C5	10Y16			MAIN BAR-1	16	-	11	0	33	5	2	10	163	164	0.00	1640.00	0	0	0	1640.00	0	0		
					MAIN BAR-1 ALT	16	-	11	0	33	5	2	10	207	207	0.00	2070.00	0	0	0	2070.00	0	0	0	0
					STIRRUPS-1	8	6	11	0		17	2	34	15	HOOK, LEN=90	48	1632.00	1632.00	0	0	0	0	0	0	
COLUMN C5 AT GRID -D4, H3					STIRRUPS-2	8	6	11	0		34	2	68	4	HOOK, LEN=90	26	1768.00	1768.00	0	0	0	0	0	0	
6	C6	10Y20			MAIN BAR-1	20	-	11	0	33	5	2	10	171	172	0.00	1720.00	0	0	0	0	1720.00	0	0	
					MAIN BAR-1 ALT	20	-	11	0	33	5	2	10	171	172	0.00	1720.00	0	0	0	0	1720.00	0	0	
					STIRRUPS-1	8	6	11	0		17	2	34	15	HOOK, LEN=90	48	1632.00	1632.00	0	0	0	0	0	0	
COLUMN C6 AT GRID E2,F3					STIRRUPS-2	8	6	11	0		34	2	68	5	HOOK, LEN=90	23	1564.00	1564.00	0	0	0	0	0	0	
TOTAL CUT.LENGTH IN INCHES												41370.00						197788.00	0.00	0.00	18142.00	3440.00	0.00		
TOTAL NO.OF BARS												41						0	0	0	38	7	0		
TOTAL CUT.LENGTH IN KG												197.95						0.00	0.00	0.00	725.95	215.08	0.00		

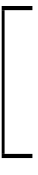
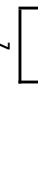
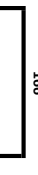
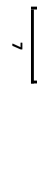
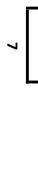
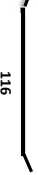
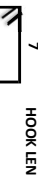
S.NO	MEMBER	COLUMN DETAIL-BELT BEAM TO GF ROOF			FLOOR TO FLOOR HT	NO .OF COLUMN	TOTAL CONCRETE QUANTITY	
		BAR	B	D			(CU.FT)	
1	C1	6Y16	0	0	11	5	41.25	
			9	12	0			
			0.75	1	11			
			0	0	11			
2	C2	6Y16	0	0	11	3	30.94	
			9	15	0			
			0.75	1.25	11			
			0	0	11			
3	C3	8Y16	0	0	11	2	20.63	
			9	15	0			
			0.75	1.25	11			
			0	0	11			
4	C4	8Y16	0	0	11	3	37.13	
			9	18	0			
			0.75	1.5	11			
			0	0	11			

5	C5	10Y16	0	0	11	2	24.75
			9	18	0		
			0.75	1.5	11		
6	C6	10Y20	0	0	11	2	24.75
			9	18	0		
			0.75	1.5	11		

TOTAL CONCRETE QUANTITY

CU.FT

179.44

S.NO	MEMBER	GROUND FLOOR BEAM DETAIL			DESCRIPTION	DIA	C/C	NO.OF BARS	NO.OF BEAM	TOTAL NO.OF BARS	SHAPE OF BAR	CUT.LENGTH	TOTAL CUT.LENGTH	TOTAL LENGTH IN M					
		L	B	D										Ø8	Ø10	Ø12	Ø16	Ø20	Ø25
6	GFR-6	26	0	0	TOP	16	-	2	1	2		343.00	686.00	0	0	0	686.00	0	0
		9	9	18	BOT	16	-	2	1	2		343.00	686.00	0	0	0	686.00	0	0
		321	9	18	EXT.TOP	16	-	1	1	1		120.00	120.00	0	0	0	120.00	0	0
		9	0	0	STIRRUPS	8	6	49	1	49		45.00	2205.00	0	0	0	0	0	0
		23	0	0	TOP	16	-	2	1	2		190.00	380.00	0	0	0	380.00	0	0
		9	9	18	BOT	12	-	2	1	2		190.00	380.00	0	0	0	380.00	0	0
		285	9	18	STIRRUPS	8	6	49	1	49		45.00	2205.00	0	0	0	0	0	0
		14	0	0	TOP	16	-	2	1	2		190.00	380.00	0	0	0	380.00	0	0
		0	9	15	BOT	12	-	2	1	2		190.00	380.00	0	0	0	380.00	0	0
		168	9	15	STIRRUPS	8	6	26	1	26		39.00	1014.00	0	0	0	0	0	0
7	GFR-7	12	0	0	TOP	16	-	2	1	2		343.00	686.00	0	0	0	686.00	0	0
		6	9	15	BOT	12	-	2	1	2		343.00	686.00	0	0	0	686.00	0	0
		150	9	15	STIRRUPS	8	6	26	1	26		39.00	1014.00	0	0	0	0	0	0
		26	0	0	TOP	16	-	2	1	2		343.00	686.00	0	0	0	686.00	0	0
		9	9	15	BOT	12	-	2	1	2		343.00	686.00	0	0	0	686.00	0	0
8	GFR-8	321	9	15	EXT.BOT	12	-	1	1	1		124.00	124.00	0	0	124.00	0	0	0
		9	0	0	STIRRUPS	8	6	50	1	50		39.00	1950.00	0	0	0	0	0	0
		8	9	15	EXT.BOT	12	-	1	1	1		124.00	124.00	0	0	124.00	0	0	0
		116	9	15	STIRRUPS	8	6	50	1	50		39.00	1950.00	0	0	0	0	0	0
		24	0	0	EXT.BOT	12	-	1	1	1		124.00	124.00	0	0	124.00	0	0	0
		3	9	15	STIRRUPS	8	6	50	1	50		39.00	1950.00	0	0	0	0	0	0

S.NO	MEMBER	GROUND FLOOR ROOF BEAM DETAIL			NO.OF BEAM	TOTAL NO.OF BARS
		L	B	D		(CU.FT)
1	GFB-1	39	0	0	1	36.80
		3	9	15		
		39.25	0.75	1.25		
2	GFB-2	14	0	0	1	13.13
		0	9	15		
		14	0.75	1.25		
3	GFB-3	13	0	0	1	12.66
		6	9	15		
		13.5	0.75	1.25		
4	GFB-4	13	0	0	1	12.66
		6	9	15		
		13.5	0.75	1.25		
5	GFB-5	27	0	0	1	30.66
		3	9	18		
		27.25	0.75	1.5		

6	GFB-6	26	0	0	1	30.09
		9	9	18		
		26.75	0.75	1.5		
7	GFB-7	14	0	0	1	13.13
		0	9	15		
		14	0.75	1.25		
8	GFB-8	26	0	0	1	25.08
		9	9	15		
		26.75	0.75	1.25		
9	GFB-9	38	0	0	1	36.33
		9	9	15		
		38.75	0.75	1.25		
10	GFB-10	44	0	0	1	49.97
		5	9	18		
		44.41667	0.75	1.5		

11	GFB-11	35	0	0	1	45.94
		0	9	21		
		35	0.75	1.75		
12	GFB-12	8	0	0	1	7.73
		3	9	15		
		8.25	0.75	1.25		
13	GFB-13	42	0	0	1	47.81
		6	9	18		
		42.5	0.75	1.5		
14	GFB-14	14	0	0	1	13.13
		0	9	15		
		14	0.75	1.25		
18	DB-1	14	0	0	1	13.13
		0	15	9		
		14	1.25	0.75		

TOTAL CONCRETE QUANTITY	388.22
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CU.FT

S.NO	MEMBER	GROUND FLOOR SLAB DETAIL			CRANK PORTION LONG	CRANK PORTION SHORT	DESCRIPTION	DIA	C/C	NO.OF BARS	NO.OF SLAB	TOTAL NO.OF BARS	CUT.LENGTH	TOTAL CUT.LENGTH	TOTAL LENGTH IN M					
		L	B	D											Ø8	Ø10	Ø12	Ø16	Ø20	Ø25
1	S1 - DOUBLE MATT	12	4	0	37.5	13	SHORT	8	5	62	1	62	64.74	4013.89	4013.89	0	0	0	0	0
		6	4	5																
		150	52	5			LONG	8	5	24	1	24	162.74	3905.76	3905.76	0	0	0	0	0
2	S1 - DOUBLE MATT	12	3	0	37.5	11.625	SHORT	8	5	62	1	62	59.24	3672.89	3672.89	0	0	0	0	0
		6	10.5	5																
		150	46.5	5			LONG	8	5	22	1	22	162.74	3580.28	3580.28	0	0	0	0	0
3	S1 - DOUBLE MATT	12	5	0	36	15	SHORT	8	5	60	1	60	72.74	4364.41	4364.41	0	0	0	0	0
		0	0	5																
		144	60	5			LONG	8	5	26	1	26	156.74	4075.24	4075.24	0	0	0	0	0
4	S1 - DOUBLE MATT	14	2	0	42.75	6	SHORT	8	5	72	1	72	36.74	2645.29	2645.29	0	0	0	0	0
		3	0	5																
		171	24	5			LONG	8	5	12	1	12	183.74	2204.88	2204.88	0	0	0	0	0

S.NO	MEMBER	GROUND FLOOR SLAB DETAIL			CRANK PORTION LONG	CRANK PORTION SHORT	DESCRIPTION	DIA	C/C	NO.OF BARS	NO.OF SLAB	TOTAL NO.OF BARS	CUT.LENGTH	TOTAL CUT.LENGTH	TOTAL LENGTH IN M					
		L	B	D																

7	S2	12	12	0					SHORT	8	5	31	1	31	156.74	4858.94	4858.94	0	0	0	0	
		6	0	5																		
		150	144	5	37.5		36		LONG	8	5	30	1	30	162.74	4882.20	4882.20	0	0	0	0	
		ADDITIONAL TOP BAR SHORT 2 SIDES								SHORT	8	5	8	1	8	140.74	1125.92	1125.92	0	0	0	0
		ADDITIONAL TOP BAR LONG 2 SIDES								LONG	8	5	8	1	8	146.74	1173.92	1173.92	0	0	0	0
		CRANK BAR SHORT 2 SIDES								SHORT	8	5	62	1	62	32.74	2029.89	2029.89	0	0	0	0
		CRANK BAR LONG 2 SIDES								LONG	8	5	60	1	60	34.24	2054.41	2054.41	0	0	0	0
		13	6	0					SHORT	8	5	33	1	33	93.74	3093.43	3093.43	0	0	0	0	
		3	9	5																		
		159	81	5	39.75		20.25		LONG	8	5	8	1	8	171.74	1373.92	1373.92	0	0	0	0	
8	S2	ADDITIONAL TOP BAR SHORT 2 SIDES								SHORT	8	5	8	1	8	77.74	621.92	621.92	0	0	0	0
		ADDITIONAL TOP BAR LONG 2 SIDES								LONG	8	5	12	1	12	155.74	1868.88	1868.88	0	0	0	0

S.NO	MEMBER	GROUND FLOOR SLAB DETAIL			CRANK PORTION LONG	CRANK PORTION SHORT	DESCRIPTION	DIA	C/C	NO.OF BARS	NO.OF SLAB	TOTAL NO.OF BARS	CUT.LENGTH	TOTAL CUT.LENGTH	TOTAL LENGTH IN M						
		L	B	D											Ø8	Ø10	Ø12	Ø16	Ø20	Ø25	
9	S2	11	6	0			SHORT	8	5	28	1	28	93.74	2624.72	2624.72	0	0	0	0	0	
		3	9	5			LONG	8	5	18	1	18	147.74	2659.32	2659.32	0	0	0	0		
		135	81	5			33.75	20.25	8	5	18	1	18	147.74	2659.32	2659.32	0	0	0	0	
		ADDITIONAL TOP BAR SHORT 2 SIDES					SHORT	8	5	8	1	8	77.74	621.92	621.92	0	0	0	0	0	
		ADDITIONAL TOP BAR LONG 2 SIDES					LONG	8	5	8	1	8	131.74	1053.92	1053.92	0	0	0	0	0	
		CRANK BAR SHORT 2 SIDES					SHORT	8	5	56	1	56	16.99	951.45	951.45	0	0	0	0	0	
		CRANK BAR LONG 2 SIDES					LONG	8	5	36	1	36	30.49	1097.65	1097.65	0	0	0	0	0	
10	S3	12	11	0			SHORT	10	5	31	1	31	144.43	4477.18	4477.18	0	4477.18	0	0	0	0
		6	0	5			LONG	8	5	28	1	28	162.74	4556.72	4556.72	0	0	0	0	0	
		150	132	5			37.5	33	8	5	28	1	28	162.74	4556.72	4556.72	0	0	0	0	0
		ADDITIONAL TOP BAR SHORT 2 SIDES					SHORT	10	5	8	1	8	128.43	1027.40	1027.40	0	1027.40	0	0	0	0
		ADDITIONAL TOP BAR LONG 2 SIDES					LONG	8	5	8	1	8	146.74	1173.92	1173.92	0	0	0	0	0	
		CRANK BAR SHORT 2 SIDES					SHORT	10	5	62	1	62	29.43	1824.36	0	1824.36	0	0	0	0	0
		CRANK BAR LONG 2 SIDES					LONG	8	5	56	1	56	34.24	1917.45	1917.45	0	0	0	0	0	

S.NO	MEMBER	GROUND FLOOR SLAB DETAIL			CRANK PORTION LONG	CRANK PORTION SHORT	DESCRIPTION	DIA	C/C	NO.OF BARS	NO.OF SLAB	TOTAL NO.OF BARS	CUT.LENGTH	TOTAL CUT.LENGTH	TOTAL LENGTH IN M						
		L	B	D											Ø8	Ø10	Ø12	Ø16	Ø20	Ø25	
13	S3	16	12	0		SHORT	10	5	40	1	40	156.43	6257.01	0	6257.01	0	0	0	0		
		0	0	5			LONG	8	5	30	1	30	204.74	6142.20	6142.20	0	0	0	0		
		192	144	5			48	36	LONG	8	5	30	1	30	204.74	6142.20	6142.20	0	0	0	0
		ADDITIONAL TOP BAR SHORT 2 SIDES						SHORT	10	5	8	1	8	140.43	1123.40	0	1123.40	0	0	0	0
		ADDITIONAL TOP BAR LONG 2 SIDES						LONG	8	5	8	1	8	188.74	1509.92	1509.92	0	0	0	0	0
		CRANK BAR SHORT 2 SIDES						SHORT	10	5	80	1	80	32.43	2594.02	0	2594.02	0	0	0	0
		CRANK BAR LONG 2 SIDES						LONG	8	5	60	1	60	44.74	2684.41	2684.41	0	0	0	0	0

CUT.LENGTH	158800.9	125094.19	33706.74	0	0	0	0	0
TOTAL NO.OF BARS	262	71	0	0	0	0	0	0
	Ø8	Ø10	Ø12	Ø16	Ø20	Ø25		
TOTAL CUT.LENGTH IN M	1251.40	526.86	0	0	0	0		

S.NO	MEMBER	GROUND FLOOR ROOF SLAB (INNER TO INNER)			NO.OF SLAB	TOTAL CONCRETE QUANTITY	
		L	B	D		(CU.FT)	
1	S1 - DOUBLE MATT	12	4	0	1	22.57	
		6	4	5			
		12.50	4.33	0.42			
2	S1 - DOUBLE MATT	12	3	0	1	20.18	
		6	10.5	5			
		12.50	3.88	0.42			
3	S1- DOUBLE MATT	12	5	0	1	25.00	
		0	0	5			
		12.00	5.00	0.42			
4	S1- DOUBLE MATT	14	2	0	1	11.88	
		3	0	5			
		14.25	2.00	0.42			
5	S2	12	11	0	1	57.29	
		6	0	5			
		12.50	11.00	0.42			

6	S2	12	11	0	1	55.00
		0	0	5		
		12.00	11.00	0.42		
7	S2	12	12	0	1	62.50
		6	0	5		
		12.50	12.00	0.42		
8	S2	13	6	0	1	37.27
		3	9	5		
		13.25	6.75	0.42		
9	S2	11	6	0	1	31.64
		3	9	5		
		11.25	6.75	0.42		
10	S3	12	11	0	1	57.29
		6	0	5		
		12.50	11.00	0.42		
11	S3	12	9	0	1	46.88
		6	0	5		
		12.5	9	0.42		

12	S3	15	12	0	1	82.68
		10.5	6	5		
		15.88	12.5	0.42		
13	S3	16	12	0	1	80.00
		0	0	5		
		16.00	12	0.416667		
TOTAL CONCRETE QUANTITY						590.17

S.NO	MEMBER	COLUMN DETAIL			DESCRIPTION	DIA	C/C	FLOOR TO FLOOR HT		NO LAPPING ZONE	NO.OF BARS	NO.OF COLUMN	TOTAL NO.OF BARS	SHAPE OF BAR (GF ROOF TO FF ROOF)		CUT.LENGTH	CUT.LENGTH	TOTAL CUT.LENGTH	TOTAL LENGTH IN INCHES							
		BAR	B	D										GF ROOF TO FF ROOF						Ø8	Ø10	Ø12	Ø16	Ø20	Ø25	
4	C4	8Y16	0	0	MAIN BAR-1	16	-	11	0	33	4	3	12	163	164	0.00	1968.00	0	0	1968.00	0	0				
			9	18		132	11	0	4		3	12	163	164	0.00	1968.00	0	0	1968.00	0	0					
			9	18		132	11	0	4		3	12	163	164	0.00	1968.00	0	0	1968.00	0	0					
COLUMN C4 AT GRID -C2, F5, G2					STIRRUPS-1	8	6	0	132	17	3	51	15	6	6	48	2448.00	2448.00	0	0	0	0	0			
					STIRRUPS-2	8	6	0	132		3	51	15	6	6	30	1530.00	1530.00	0	0	0	0	0			
5	C5	10Y16	0	0	MAIN BAR-1	16	-	11	0	33	5	2	10	163	164	0.00	1640.00	0	0	1640.00	0	0	1640.00	0	0	
			9	18		132	11	0	5		2	10	207	207	0.00	2070.00	0	0	2070.00	0	0	0	0	0		
			9	18		132	11	0	5		2	10	207	207	0.00	2070.00	0	0	2070.00	0	0	0	0	0		
COLUMN C5 AT GRID -D4, H3					STIRRUPS-1	8	6	0	132	17	2	34	15	6	6	48	1632.00	1632.00	1632.00	0	0	0	0	0		
					STIRRUPS-2	8	6	0	132		2	34	15	6	6	26	1768.00	1768.00	1768.00	0	0	0	0	0		
6	C6	10Y20	0	0	MAIN BAR-1	20	-	11	0	33	5	2	10	171	172	0.00	1720.00	0	0	1720.00	0	0	1720.00	0	0	
			9	18		132	11	0	5		2	10	171	172	0.00	1720.00	0	0	1720.00	0	0	1720.00	0	0		
			9	18		132	11	0	5		2	10	171	172	0.00	1720.00	0	0	1720.00	0	0	1720.00	0	0		
COLUMN C6 AT GRID -E2,F3					STIRRUPS-1	8	6	0	132	17	2	34	15	6	6	48	1632.00	1632.00	1632.00	0	0	0	0	0		
					STIRRUPS-2	8	6	0	132		2	34	15	6	6	23	1564.00	1564.00	1564.00	0	0	0	0	0		
TOTAL CUT LENGTH IN INCHES													TOTAL NO.OF BARS						TOTAL CUT LENGTH IN KG							
													41						197.95							
													Ø8						725.95							
													Ø10						215.08							
													Ø12													
													Ø16													
													Ø20													
													Ø25													

S.NO	MEMBER	COLUMN DETAIL-GF ROOF TO FF ROOF			FLOOR TO FLOOR HT	NO .OF COLUMN	TOTAL CONCRETE QUANTITY	
		BAR	B	D			(CU.FT)	
1	C1	6Y16	0	0	11	5	41.25	
			9	12	0			
			0.75	1	11			
			0	0	11			
2	C2	6Y16	0	0	11	3	30.94	
			9	15	0			
			0.75	1.25	11			
			0	0	11			
3	C3	8Y16	0	0	11	2	20.63	
			9	15	0			
			0.75	1.25	11			
			0	0	11			
4	C4	8Y16	0	0	11	3	37.13	
			9	18	0			
			0.75	1.5	11			
			0	0	11			

5	C5	10Y16	0	0	11	2	24.75
			9	18	0		
			0.75	1.5	11		
6	C6	10Y20	0	0	11	2	24.75
			9	18	0		
			0.75	1.5	11		

TOTAL CONCRETE QUANTITY

CU.FT

179.44

[illegible]

S.NO	MEMBER	GROUND FLOOR BEAM DETAIL			DESCRIPTION	DIA	C/C	NO.OF BARS	NO.OF BEAM	TOTAL NO.OF BARS	SHAPE OF BAR	CUT.LENGTH	TOTAL CUT.LENGTH	TOTAL LENGTH IN M					
		L	B	D										Ø8	Ø10	Ø12	Ø16	Ø20	Ø25
11	FFB-11	35	0	0	TOP	16	-	2	1	2		442.00	884.00	0	0	0	884.00	0	0
		0	9	21	BOT	16	-	2	1	2		442.00	884.00	0	0	0	884.00	0	0
		420	9	21	EXT.TOP 1	12	-	1	1	1		85.00	85.00	0	0	85.00	0	0	0
		5	0	0	EXT.TOP 2	16	-	2	1	2		149.00	298.00	0	0	0	298.00	0	0
		9	9	21	EXT.TOP 3	12	-	1	1	1		88.00	88.00	0	0	88.00	0	0	0
		0	9	21	STIRRUPS	8	6	65	1	65		51.00	3315.00	0	0	0	0	0	0
		32	0	0	TOP	12	-	2	1	2		121.00	242.00	0	0	242.00	0	0	0
		0	9	21	BOT	12	-	2	1	2		121.00	242.00	0	0	242.00	0	0	0
		384	9	21	STIRRUPS	8	6	15	1	15		39.00	585.00	0	0	0	0	0	0
		8	0	0	STIRRUPS	8	6	15	1	15		39.00	585.00	0	0	0	0	0	0
		3	9	15	STIRRUPS	8	6	15	1	15		39.00	585.00	0	0	0	0	0	0
12	FFB-12	99	9	15	STIRRUPS	8	6	15	1	15		39.00	585.00	0	0	0	0	0	0
		6	0	0	STIRRUPS	8	6	15	1	15		39.00	585.00	0	0	0	0	0	0
		9	9	15	STIRRUPS	8	6	15	1	15		39.00	585.00	0	0	0	0	0	0
		81	9	15	STIRRUPS	8	6	15	1	15		39.00	585.00	0	0	0	0	0	0

S.NO	MEMBER	GROUND FLOOR BEAM DETAIL			DESCRIPTION	DIA	C/C	NO.OF BARS	NO.OF BEAM	TOTAL NO.OF BARS	SHAPE OF BAR	CUT.LENGTH	TOTAL CUT.LENGTH	TOTAL LENGTH IN M					
		L	B	D										Ø8	Ø10	Ø12	Ø16	Ø20	Ø25
15	DB-1	14	0	0	TOP	16	-	4	1	4	12 166 12	190.00	760.00	0	0	0	760.00	0	0
		0	15	9															
		168	15	9	BOT	16	-	4	1	4	12 166 12	190.00	760.00	0	0	0	760.00	0	0
		12	0	0															
		6	15	9	STIRRUPS	8	6	26	1	26	13 7 13 7 6 HOOK LEN - 9D	33.00	858.00	858.00	0	0	0	0	0

TOTAL CUT.LENGTH IN M		51949.00	28860.00	0.00	6002.00	17087.00	0.00	0.00
		61	0	13	36	0	0	0
		Ø8	Ø10	Ø12	Ø16	Ø20	Ø25	
TOTAL CUT.LENGTH IN KG		288.71	0	135.09	683.73	0	0	

S.NO	MEMBER	GROUND FLOOR ROOF BEAM DETAIL			NO.OF BEAM	TOTAL NO.OF BARS
		L	B	D		(CU.FT)
1	FFB-1	39	0	0	1	36.80
		3	9	15		
		39.25	0.75	1.25		
2	FFB-2	14	0	0	1	13.13
		0	9	15		
		14	0.75	1.25		
3	FFB-3	13	0	0	1	12.66
		6	9	15		
		13.5	0.75	1.25		
4	FFB-4	13	0	0	1	12.66
		6	9	15		
		13.5	0.75	1.25		
5	FFB-5	27	0	0	1	30.66
		3	9	18		
		27.25	0.75	1.5		

6	FFB-6	26	0	0	1	30.09
		9	9	18		
		26.75	0.75	1.5		
7	FFB-7	14	0	0	1	13.13
		0	9	15		
		14	0.75	1.25		
8	FFB-8	26	0	0	1	25.08
		9	9	15		
		26.75	0.75	1.25		
9	FFB-9	38	0	0	1	36.33
		9	9	15		
		38.75	0.75	1.25		
10A	FFB-10A	22	0	0	1	29.70
		7.5	9	21		
		22.625	0.75	1.75		
10B	FFB-10A	21	0	0	1	20.47
		10	9	15		
		21.83	0.75	1.25		

11	FFB-11	35	0	0	1	45.94
		0	9	21		
		35	0.75	1.75		
12	FFB-12	8	0	0	1	7.73
		3	9	15		
		8.25	0.75	1.25		
13	FFB-13	42	0	0	1	47.81
		6	9	18		
		42.5	0.75	1.5		
14	FFB-14	14	0	0	1	13.13
		0	9	15		
		14	0.75	1.25		
18	DB-1	14	0	0	1	13.13
		0	15	9		
		14	1.25	0.75		

TOTAL CONCRETE QUANTITY	388.41
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CU.FT

S.NO	MEMBER	FIRST FLOOR SLAB DETAIL			CRANK PORTION LONG	CRANK PORTION SHORT	DESCRIPTION	DIA	C/C	NO.OF BARS	NO.OF SLAB	TOTAL NO.OF BARS	CUT.LENGTH	TOTAL CUT.LENGTH	TOTAL LENGTH IN M					
		L	B	D											Ø8	Ø10	Ø12	Ø16	Ø20	Ø25
1	S1 - DOUBLE MATT	12	4	0	37.5	13	SHORT	8	5	62	1	62	64.74	4013.89	4013.89	0	0	0	0	0
		6	4	5																
		150	52	5			LONG	8	5	24	1	24	162.74	3905.76	3905.76	0	0	0	0	0
2	S1 - DOUBLE MATT	12	3	0	37.5	11.625	SHORT	8	5	62	1	62	59.24	3672.89	3672.89	0	0	0	0	0
		6	10.5	5																
		150	46.5	5			LONG	8	5	22	1	22	162.74	3580.28	3580.28	0	0	0	0	0
3	S1 - DOUBLE MATT	12	5	0	36	15	SHORT	8	5	60	1	60	72.74	4364.41	4364.41	0	0	0	0	0
		0	0	5																
		144	60	5			LONG	8	5	26	1	26	156.74	4075.24	4075.24	0	0	0	0	0
4	S1 - DOUBLE MATT	14	2	0	42.75	6	SHORT	8	5	72	1	72	36.74	2645.29	2645.29	0	0	0	0	0
		3	0	5																
		171	24	5			LONG	8	5	12	1	12	183.74	2204.88	2204.88	0	0	0	0	0

S.NO	MEMBER	FIRST FLOOR SLAB DETAIL			CRANK PORTION LONG	CRANK PORTION SHORT	DESCRIPTION	DIA	C/C	NO.OF BARS	NO.OF SLAB	TOTAL NO.OF BARS	CUT.LENGTH	TOTAL CUT.LENGTH	TOTAL LENGTH IN M					
		L	B	D																

7	S2	12	12	0					SHORT	8	5	31	1	31	156.74	4858.94	4858.94	0	0	0	0	0
		6	0	5																		
		150	144	5	37.5	36	LONG	8	5	30	1	30	162.74	4882.20	4882.20	0	0	0	0	0		
		ADDITIONAL TOP BAR SHORT 2 SIDES						8	5	8	1	8	140.74	1125.92	1125.92	0	0	0	0	0		
		ADDITIONAL TOP BAR LONG 2 SIDES						8	5	8	1	8	146.74	1173.92	1173.92	0	0	0	0	0		
		CRANK BAR SHORT 2 SIDES						8	5	62	1	62	32.74	2029.89	2029.89	0	0	0	0	0		
		CRANK BAR LONG 2 SIDES						8	5	60	1	60	34.24	2054.41	2054.41	0	0	0	0	0		
		13	6	0					SHORT	8	5	33	1	33	93.74	3093.43	3093.43	0	0	0	0	
		3	9	5																		
		159	81	5	39.75	20.25	LONG	8	5	8	1	8	171.74	1373.92	1373.92	0	0	0	0	0		
8	S2	ADDITIONAL TOP BAR SHORT 2 SIDES						8	5	8	1	8	77.74	621.92	621.92	0	0	0	0	0		
		ADDITIONAL TOP BAR LONG 2 SIDES						8	5	12	1	12	155.74	1868.88	1868.88	0	0	0	0	0		

S.NO	MEMBER	FIRST FLOOR SLAB DETAIL			CRANK PORTION LONG	CRANK PORTION SHORT	DESCRIPTION	DIA	C/C	NO.OF BARS	NO.OF SLAB	TOTAL NO.OF BARS	CUT.LENGTH	TOTAL CUT.LENGTH	TOTAL LENGTH IN M					
		L	B	D											Ø8	Ø10	Ø12	Ø16	Ø20	Ø25
9	S2	11	6	0			SHORT	8	5	28	1	28	93.74	2624.72		0	0	0	0	0
		3	9	5																
		135	81	5			LONG	8	5	18	1	18	147.74	2659.32		0	0	0	0	0
					33.75	20.25														
		ADDITIONAL TOP BAR SHORT 2 SIDES					SHORT	8	5	8	1	8	77.74	621.92		0	0	0	0	0
		ADDITIONAL TOP BAR LONG 2 SIDES					LONG	8	5	8	1	8	131.74	1053.92		0	0	0	0	0
		CRANK BAR SHORT 2 SIDES					SHORT	8	5	56	1	56	16.99	951.45		0	0	0	0	0
		CRANK BAR LONG 2 SIDES					LONG	8	5	36	1	36	30.49	1097.65		0	0	0	0	0

10	S3	12	11	0					SHORT	10	5	31	1	31	144.43	4477.18	0	4477.18	0	0	0	0
		6	0	5																		
		150	132	5	37.5	33	LONG	8	5	28	1	28	162.74	4556.72	4556.72	0	0	0	0	0	0	
		ADDITIONAL TOP BAR SHORT 2 SIDES																				
		ADDITIONAL TOP BAR LONG 2 SIDES					LONG	8	5	8	1	8	146.74	1173.92	1173.92	0	0	0	0	0	0	
		CRANK BAR SHORT 2 SIDES																				
		CRANK BAR LONG 2 SIDES					LONG	8	5	56	1	56	34.24	1917.45	1917.45	0	0	0	0	0	0	

S.NO	MEMBER	FIRST FLOOR SLAB DETAIL			CRANK PORTION LONG	CRANK PORTION SHORT	DESCRIPTION	DIA	C/C	NO.OF BARS	NO.OF SLAB	TOTAL NO.OF BARS	CUT.LENGTH	TOTAL CUT.LENGTH	TOTAL LENGTH IN M						
		L	B	D											Ø8	Ø10	Ø12	Ø16	Ø20	Ø25	
13	S3	16	12	0			SHORT	10	5	40	1	40	156.43	6257.01	0	6257.01	0	0	0	0	
		0	0	5			LONG	8	5	30	1	30	204.74	6142.20	6142.20	0	0	0	0		
		192	144	5			48	36	LONG	8	5	30	1	30	204.74	6142.20	6142.20	0	0	0	0
		ADDITIONAL TOP BAR SHORT 2 SIDES						SHORT	10	5	8	1	8	140.43	1123.40	0	1123.40	0	0	0	0
		ADDITIONAL TOP BAR LONG 2 SIDES						LONG	8	5	8	1	8	188.74	1509.92	1509.92	0	0	0	0	0
		CRANK BAR SHORT 2 SIDES						SHORT	10	5	80	1	80	32.43	2594.02	0	2594.02	0	0	0	0
		CRANK BAR LONG 2 SIDES						LONG	8	5	60	1	60	44.74	2684.41	2684.41	0	0	0	0	0

CUT LENGTH	158800.9	125094.19	33706.74	0	0	0	0	0	0
TOTAL NO.OF BARS	262	71	0	0	0	0	0	0	0
	Ø8	Ø10	Ø12	Ø16	Ø20	Ø25			
TOTAL CUT LENGTH IN M	1251.40	526.86	0	0	0	0			

S.NO	MEMBER	FIRST FLOOR ROOF SLAB (INNER TO INNER)			NO.OF SLAB	TOTAL CONCRETE QUANTITY	
		L	B	D		(CU.FT)	
1	S1 - DOUBLE MATT	12	4	0	1	22.57	
		6	4	5			
		12.50	4.33	0.42			
2	S1 - DOUBLE MATT	12	3	0	1	20.18	
		6	10.5	5			
		12.50	3.88	0.42			
3	S1- DOUBLE MATT	12	5	0	1	25.00	
		0	0	5			
		12.00	5.00	0.42			
4	S1- DOUBLE MATT	14	2	0	1	11.88	
		3	0	5			
		14.25	2.00	0.42			
5	S2	12	11	0	1	57.29	
		6	0	5			
		12.50	11.00	0.42			

6	S2	12	11	0	1	55.00
		0	0	5		
		12.00	11.00	0.42		
7	S2	12	12	0	1	62.50
		6	0	5		
		12.50	12.00	0.42		
8	S2	13	6	0	1	37.27
		3	9	5		
		13.25	6.75	0.42		
9	S2	11	6	0	1	31.64
		3	9	5		
		11.25	6.75	0.42		
10	S3	12	11	0	1	57.29
		6	0	5		
		12.50	11.00	0.42		
11	S3	12	9	0	1	46.88
		6	0	5		
		12.5	9	0.42		

12	S3	15	12	0	1	82.68
		10.5	6	5		
		15.88	12.5	0.42		
13	S3	16	12	0	1	80.00
		0	0	5		
		16.00	12	0.416667		
TOTAL CONCRETE QUANTITY						590.17