

**PROJECT NAME AND ADDRESS -**

PROPOSED RESIDENTIAL BUILDING PLAN  
FOR PLOT NO. 2020

**GENERAL NOTES -**

1. ALL DIMENSIONS ARE IN FEET & INCHES.
2. ALL DIMENSIONS ARE TO BE READ NOT TO SCALE OTHERWISE MENTIONED.
3. BRICK USED IN MASONRY SHALL HAVE CRUSHING STRENGTH NOT LESS THAN 100KG/CM2.
4. THE REINFORCEMENT SHALL BE OF HIGH STRENGTH DEFORMED BARS AS PER I.S.1786-1985, FE 500N/MM<sup>2</sup>.
5. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH OTHER RELEVANT ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND ALL RELEVANT SECTIONS OF THE SPECIFICATIONS.
6. CHECK THE LEVEL OF THE SITE WITH THE MAIN ROAD LEVEL AS REFERENCE BEFORE FINALIZING THE P.L.
7. MINIMUM NOMINAL COVER TO ALL REINFORCEMENT I/C. LINKS IF ANY SHALL BE AS PER IS 456-2000 AS UNDER:- (1) FOUN. = 50 mm. (2) COLUMN = 40 mm (3) BEAMS = 25 mm (4) SLABS = 20 mm
8. MIN. GAP BETWEEN TWO BARS = 25 MM.
9. LAP LENGTH / ANCHORAGE LENGTH i ) 50 d IN CASE OF FOUND., BEAM & SLAB ii ) 45 d IN CASE OF COLUMN WHERE d IS DIA
10. CONC. MIX RATIO FOR P.C.C. IS 1:5:10
11. HOOKS FOR TIES/STIRRUPS = 10 X DIA OF BAR.
12. IN THE EVENT OF ANY SITE CONDITIONS REFER BACK TO THE OFFICE .
13. THE FOUNDATION HAS BEEN DESIGNED FOR ASSUMED SAFE BEARING CAPACITY OF 11 TON/M2.
14. ALL STRUCTURAL ELEMENTS ARE DESIGNED FOR M-25 CONCRETE FE-500 STEEL.
15. THIS FOUNDATION IS DESIGNED FOR G.F. + F.F.
16. ALL 9" THK. WALLS CONSIDERED AS LOAD BEARING

**ARCHITECTS :**


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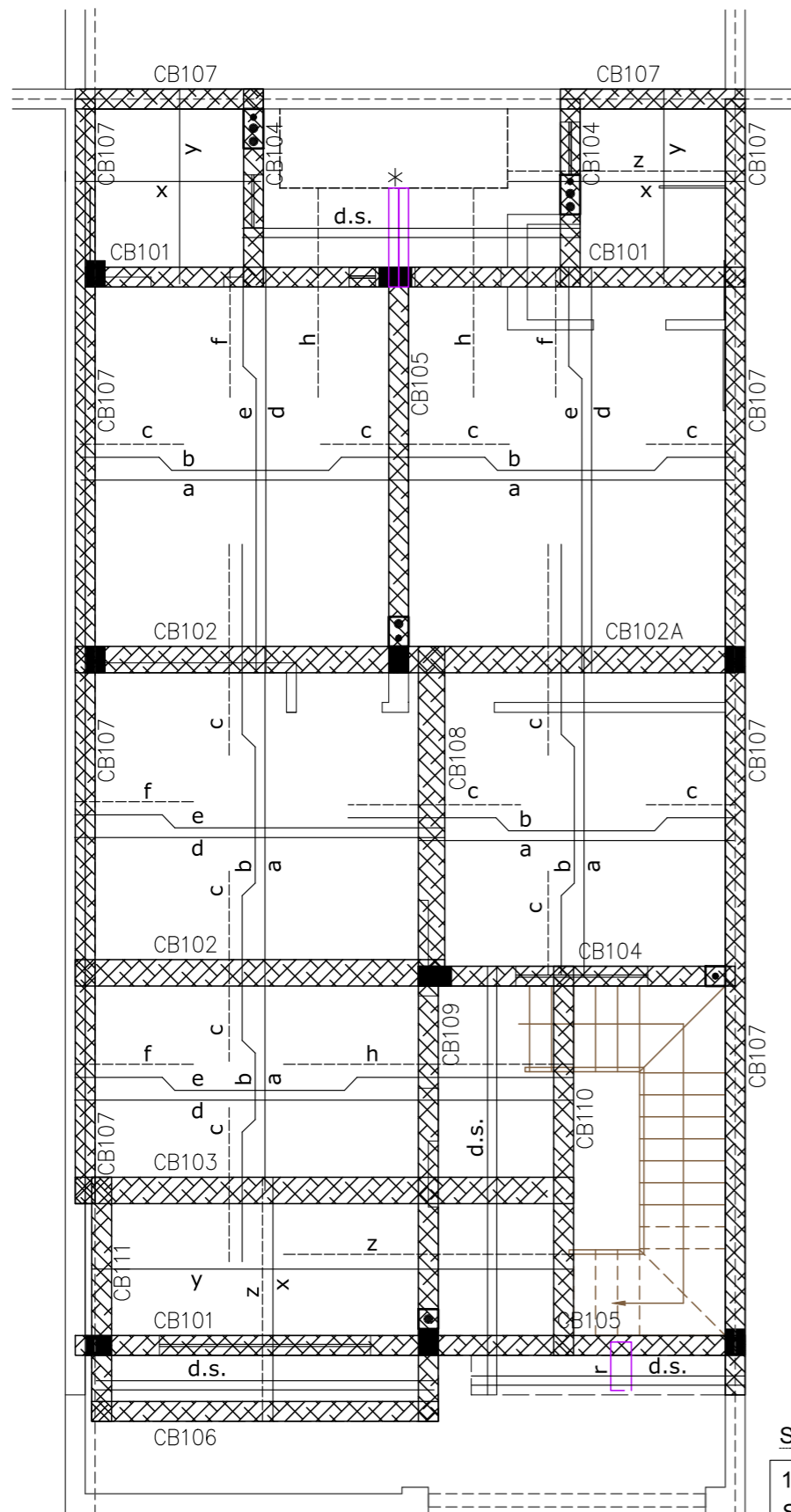
No.	Revision/Issue	Date



**Structure Designer and Project Management Consultants**

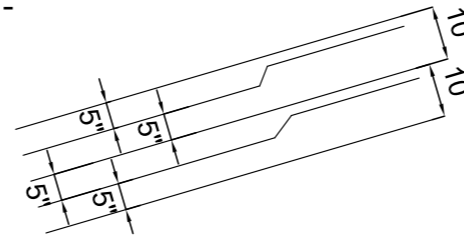
B-305, Agarsen Society, Sector-76, Mohali  
Mob : +91, 998-8968898, +91, 998-8768898.

<b>DEALT BY -</b> ER. SHUBHAM DHAMEJA	<b>SHEET -</b> US/FP/04
<b>CHECKED BY -</b> ER. AMANDEEP SINGH	<b>DATE -</b> 23-01-2024
<b>DRG. TITLE -</b> G.F. ROOF	<b>SCALE -</b> NOT TO SCALE



**ROOF OVER GROUND FLOOR**

**LEGEND:-**

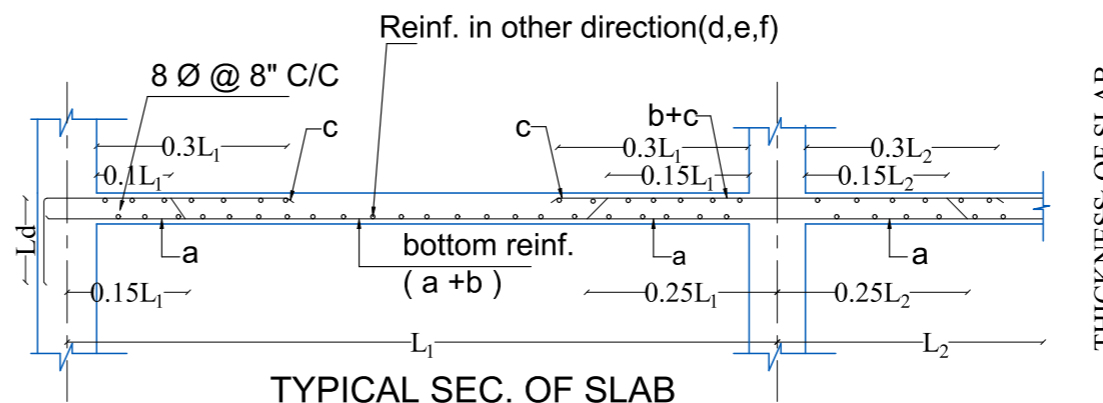


(NET SPACING B/W ONE STRAIGHT BAR & ONE CRANK BAR IS 5" C/C.)

**\* EXTEND TOP REINF. OF BEAM**

**SLAB THK. - 5"  
MIX-25,FE-500**

SR. NO	BAR MARK	REIN.	SPACING
1.	a	10 Ø @ 12" c/c (BOTTOM)	NET SPACE 6" C/C
2.	b	10 Ø @ 12" c/c (CRANK)	
3.	c	10 Ø @ 12" c/c (TOP)	NET SPACE 6" C/C
4.	d	10 Ø @ 16" c/c (BOTTOM)	NET SPACE 8" C/C
5.	e	10 Ø @ 16" c/c (CRANK)	
6.	f	10 Ø @ 16" c/c (TOP)	NET SPACE 8" C/C
7.	h	2-12 Ø B/W BENT UP BARS	X
8.	x	10 Ø @ 5" c/c (BOTTOM)	
9.	y	10 Ø @ 7" c/c (BOTTOM)	
10.	d.s.	8 Ø @ 8" c/c	
11.	z	10 Ø @ 5" c/c (TOP)	
12.	r	10 Ø @ 5" c/c (U-SHAPE)	



**TYPICAL SEC. OF SLAB**

**SPECIAL NOTES**

1. PROVIDE 1/2" CAMBER IN SHUTTERING FOR BEAM HAVING SPAN MORE THAN 13'-0"
2. PROVIDE 1" CAMBER IN SHUTTERING FOR BEAM HAVING CANTILEVER MORE THAN 4'-0"
3. PROVIDE 1 1/2" CAMBER IN SHUTTERING FOR BEAM HAVING CANTILEVER UPTO 6'-0"

THICKNESS OF SLAB