

- All steel shall be Fe500 N/mm<sup>2</sup>.
- Fix Reinforcement shown as shown in Drw's. The type and grade of Bar's indication, The Numerical following indicates size of bar's in millimeters.
- All Reinforcement to be firmly supported on approved chairs generally at not greater than 1000mm in both ways.
- All bars to be tied at intersections.
- Length of Reinforcement Bar's indicated on the Drw's are for the straightened out of shape.
- Where lap length not shown for main bars &/or cross rebars, is shall be considered as 50x dia of smaller bar of two bars in lap.
- Anchorage length if not specified in Drw's, shall be considered as 50x dia of smaller bar.
- In any case welding shall not be permitted in case other then specified on Drw's.
- Reinforcement shall not be continuous through contraction,expansion joint & through shrinkage and thermal strips if any.  
**\*\*\*CONCRETE STRUCTURE\*\*\***

- Shall meet all the requirements of IS - 456:2000 code.
- All procedure i.e bending, binding, centering, shuttering, formworks,lap, joints etc. to confirm with latest IS standards mechanically vibrate all concrete.
- Concrete mix design shall be a design mix in compliance with IS-10262-1982, based on 28days characteristic strength.
- Water to be used in concrete work should be clean & free from injurious oil's, acid's, alkalis, salt's, sugar, organic materials & other substances may be deleterious to the concrete or steel.
- Admixture : Accelerating Admixture, Retarding Admixture's, Water reducing admixture air entering admixture & super plasticizer shall comply with IS:9103-1999
- Workability of concrete shall be measured in accordance with IS:1199-1959/99.
- Durability of concrete shall be as per clause no - 8.1 & clause no - 8.2 of IS - 456:2000.
- Mini 6 Nos of concrete cubes shall be taken on each day of the concreting and or each of 50Cu.M of concrete as decided by consultant these cubes shall be tested in a approved lab only.
- Any discrepancy found between Drw's and any one of the documents mentioned i.e relevant architect Drw's, services Drw's tender conditions,material & workmanship specification & any such written instruction - shall be brought to notice of the consultant prior to the execution of the work, & proper clarification shall be sought regarding the same.
- Only Drw's issued by HRK\_Designs Structure Consultants India Pvt.Ltd printed on paper & stamped shall be termed as a valid for the following them for execution Drw's on any other media, including on the floppy/hard disk,CD's. shall be treated as only for the information,& shall not be used as a valid for execution.
- While executing the Structure other Drw's shall also be referred.
  - (a) Size & location of all doors & windows openings.
  - (b) Size & location of all interior & exterior non bearing partition walls.
  - (c) Depressed areas change in LVL, chamfer's, grooves, insert's etc.
  - (d) Dimension not shown on structure Drw's.
  - (e) Size of openings like doors, windows & ventilators.
  - (f) Refer to plumbing,electrical,mechanical Drw's for the following work item's.
- During concreting proper water/cement (W/C) ratio shall be maintained & check for slump test as well. proper workability of concrete shall be achieved, Needle vibrator shall be used while concreting.
- During site execution when Reinforcement bars for toilets are to be placed shall be checked in a manner it should properly shall be aligned with the dimensions & overlapping shall be done as per detailed Drw's and specification.
- During or while on going construction if or any as per site situations changes are required shall be immediately brought under Architect/team's under notice & same shall be brought under HRK\_Designs Structure Consultants India Pvt.Ltd Team's under written notice.
- Drawings issued & signed shall be finally considered for the execution any other format of Drw's in any manner like floppy disk, compact disk or any other means data shall be considered only for study purposes shall not be considered final for the execution.

As per IS Code 456-2000  
 Overlapping length should not be less than 75mm.  
 Lapping should be avoided in tensile zone of structure members.  
 Overlapping length of Reinf. Column: 48d  
 Beam: 50d  
 Slab: 50d

**GENERAL NOTES**

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- 5 - ALL RCC CONCRETE SHALL BE AS PER IS - 456.
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- 7 - WATER USED FOR CONCRETING SHALL MEET CL - 5.4 IS - 456.
- 8 - DEVELOPMENT LENGTH SHALL BE 48D (D - DIA OF BAR IN mm).

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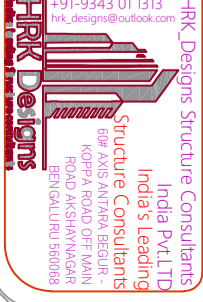
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TENDER		
G.F.C		
DOCUMENT	<input checked="" type="checkbox"/>	

**SHEET - A GENERAL LAW'S** CLIENT: MR. SUMIT JI

SHEET TITLE	GOOD FOR CONSTRUCTION	PROJECT BY:-
Drw No	LIST OF CONTENT	Ar. SHWETA SHUKLA JI
Drw - 1	Reinforcement Details As Per IS : 456	#228, Tricity Trade Tower, Adjacent Hotel Radisson, Patiala Road, Zirakpur (Punjab).
Drw - 2	Concrete Law's	+91-99151 39867
Drw - 3	General Law's	13decor.tb@gmail.com

SCALE - NTS R-0 \*\*\*\*A3 PRINTS\*\*\*

CHK	DRW	HRK_Designs Structure Consultants India Pvt.Ltd
AKA	HP	India's Leading Structure Consultants
HRKD/SS/13/2022		6th AXIS ANTRA BEGUR - KOPPA ROAD OFF MAIN ROAD AKSHAYAGAR BENGALURU 560088
HRKD/13/01/17/2021		+91-9343 01 1313 hrk_designs@outlook.com



# INDEX

S - 1to5	CL PLAN (A)(B)(C)
S-6to9	FOOTINGS PLAN (A)(B)(C)
S-10to11	QTY DETAILS
S-12&13	PB BEAMS DETAILS
S - 14	QTY & DETAILS
S-15to20	GF BEAMS & SLAB DETAILS + QTY
S-21to26	FF BEAMS & SLAB DETAILS + QTY
S-27to32	FF BEAMS & SLAB DETAILS + QTY
S-33to38	FF BEAMS & SLAB DETAILS + QTY

## \*\*\*\*\*General Notes\*\*\*\*\*

- During Excavation if Black Cotton Soil/Loose Soil/Gravels Soil /Soft Soil/ Clay Soil is found then it should be immediately brought under Architect/Structure Team(s) Notice immediately.
- Both Coarse Aggregate & Fine Aggregate shall be locally brought after specifically meeting IS Standards
- Nominal size of Coarse aggregate or Black Stones or Kapchi used for Concreting should not be more than 20 to 25mm else it should be brought under notice before usage
- Fine Aggregate shall be proper dry yellow silt sand having sharp edges, free from earth, silt, clay & organic vegetables
- Density of Aggregate shall be 2000Kg/M3 to 3000Kg/M3
- Concreting for Footings Foundation & Pedestals should be permitted only after through surface cleaning
- Concreting for Plinth Beams should be permitted only after through Surface cleaning
- Concreting for Slab & Slab Beams should be permitted only after through Surface cleaning & Preparation of proper tools & Mechanism for lifting at particular location
- Needle Vibrator shall be used thoroughly for the Concrete compaction purposes. So that no honey combing is observed after concreting
- Water used for mixing should be clean, free from oils, Acid, Alkalis, Salt's, Sugar, organic matters.
- Water/Cement (W/C) ratio should be used as per the specified ratio & usage
- No admixture's or Chemical should be used for concreting without any prior notice to Architect/Structure Consultants & Concreting Agency
- Mini 6No's of Concrete cube's should be taken for Testing purposes.
- Strength of Concrete should be taken in consideration on 28th Day of concreting.
- Curing Should be done mini 3times in 1day
- Any changes as per the site conditions & Situations should be immediately brought under Architect/Structure Consultants Teams Notice prior to the work otherwise, it wont be Architect/Structure Team's responsibility
- For any Size & Location of Door's, Window's Ventilator's, Water Pipelines, Sewage Pipes Exterior Connections Details Architect Drawing's shall be considered final
- For any Structure Drawings & clarification Structure team should be brought under notice
- Tender Conditions to Material Technical Specification & Requirements should meet as per Architect and Client's need
- Concrete shall meet all the requirements as per IS 456:2000 Code
- Form work for the following should be removed as per following
- Footings foundation - 14 days
- Pedestals - 7Days
- Columns - 7Days
- Plinth Beams - (Sides) - 7Days, Slab - (Sides) - 7Days
- Slab Beams - (Sides) - 14Days, Slab - (Bottom) - 14Days
- Slab Beams - (Bottom) - 21Days

## Grade of Concrete as per Usage

- Slab - M:20 (1:2:4)
- Footings - M:25 (1:1.5:3)
- Columns - M:25 (1:1.5:3)
- Foundation-M:25 (1:1.5:3)
- Beams - M:25 (1:1.5:3)
- Pedestals M:25 (1:1.5:3)

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D/W No	LIST OF CONTENT	Ar. SHWETA SHUKLA JI
D/W - 1	INDEX	#228, Tricity Trade Tower, Adjacent Hotel Radisson, Patiala Road, Zirakpur (Punjab).
D/W - 2	GENERAL STRUCTURE	+91-99151 39867
D/W - 3	GRADE OF CONCRETE	13decor.tb@gmail.com

APPROVAL	TENDER	DOCUMENT
	G.F.C	<input checked="" type="checkbox"/>

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- INDICATES SMALLER DIA BARS

### GENERAL NOTES

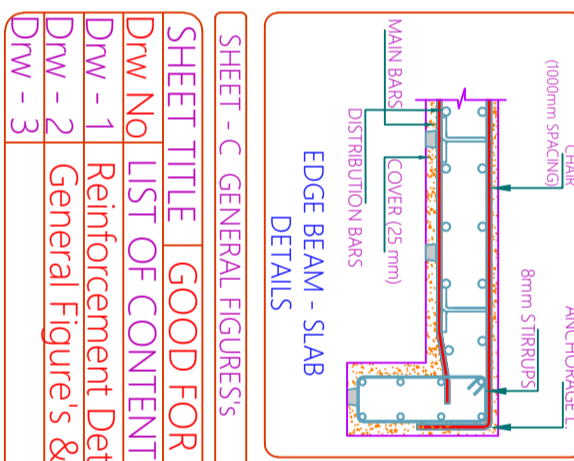
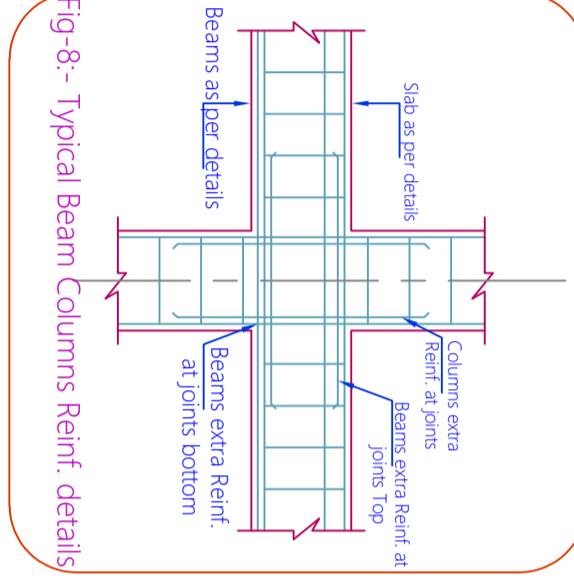
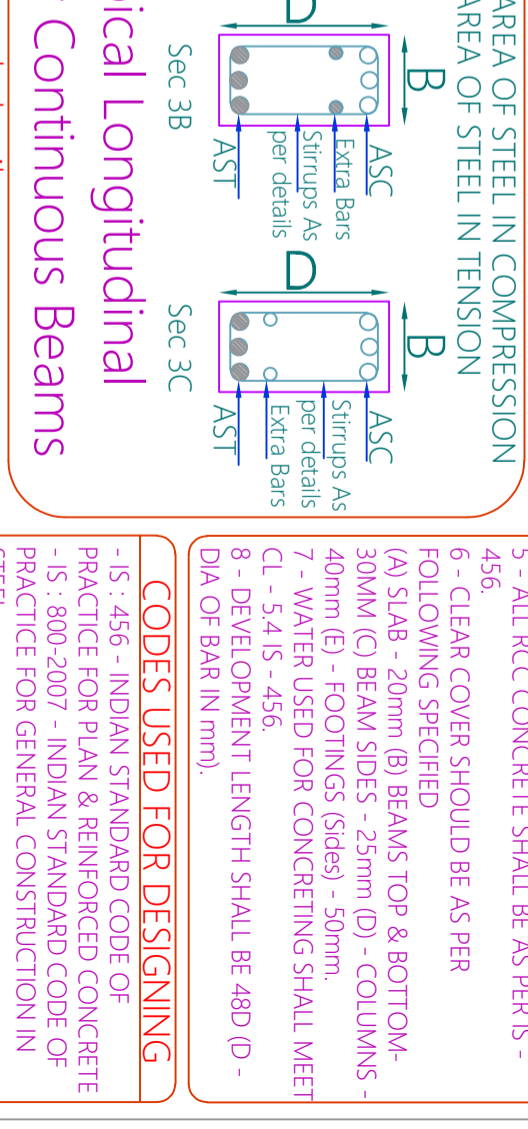
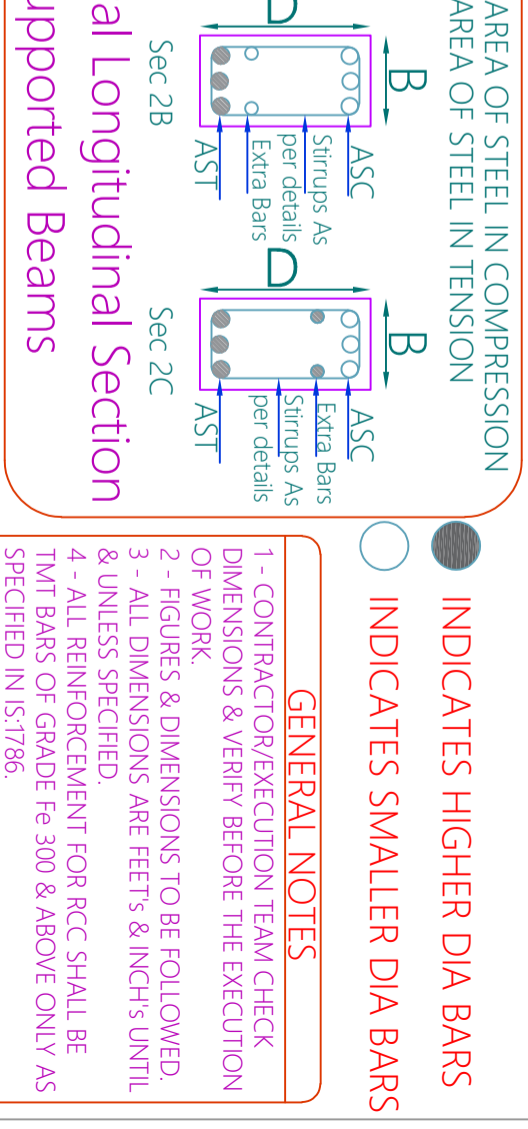
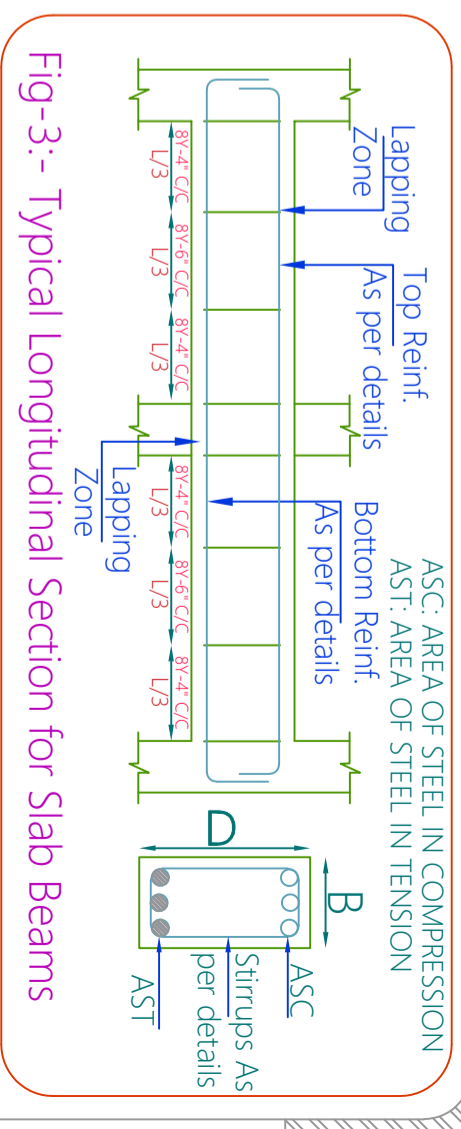
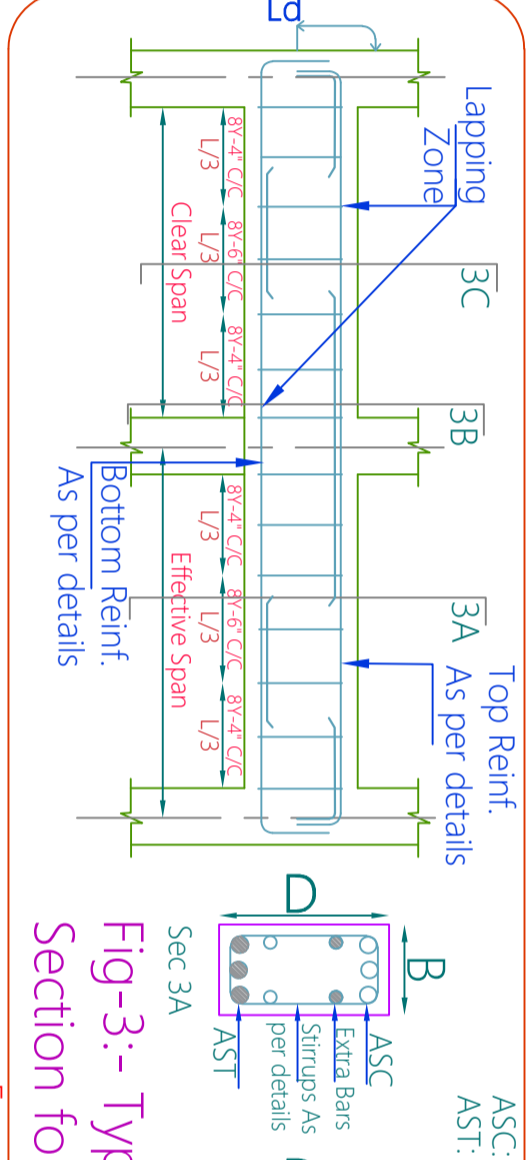
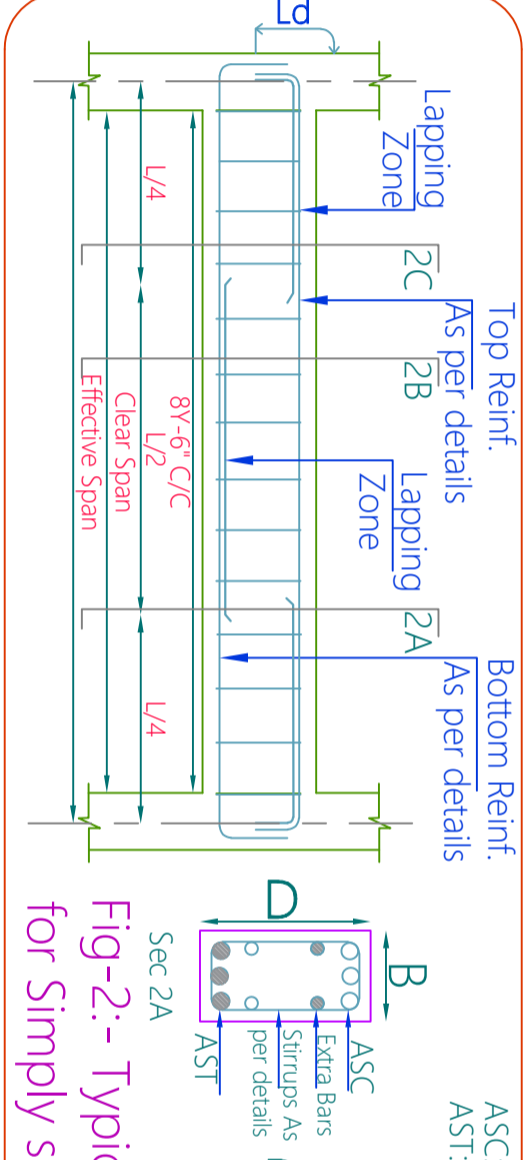
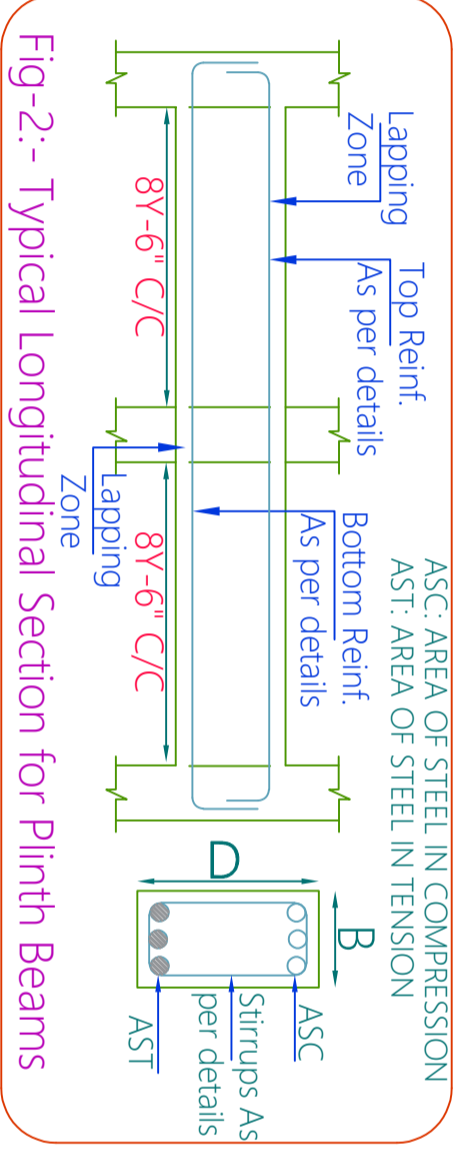
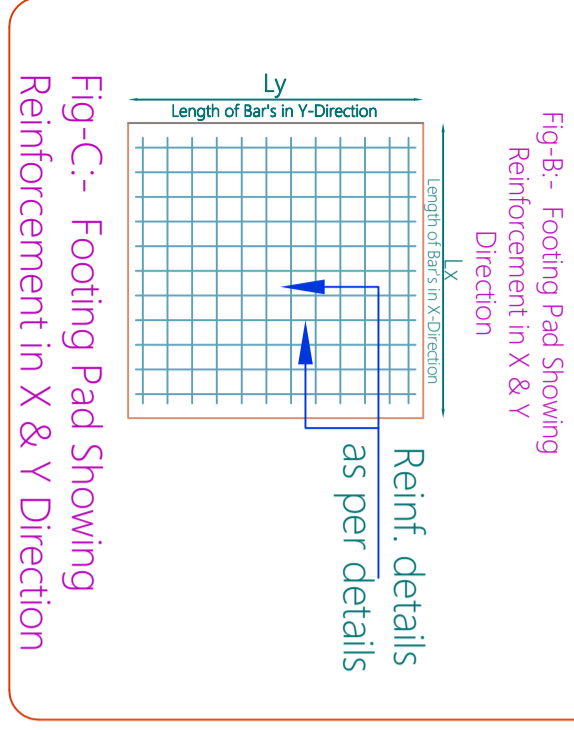
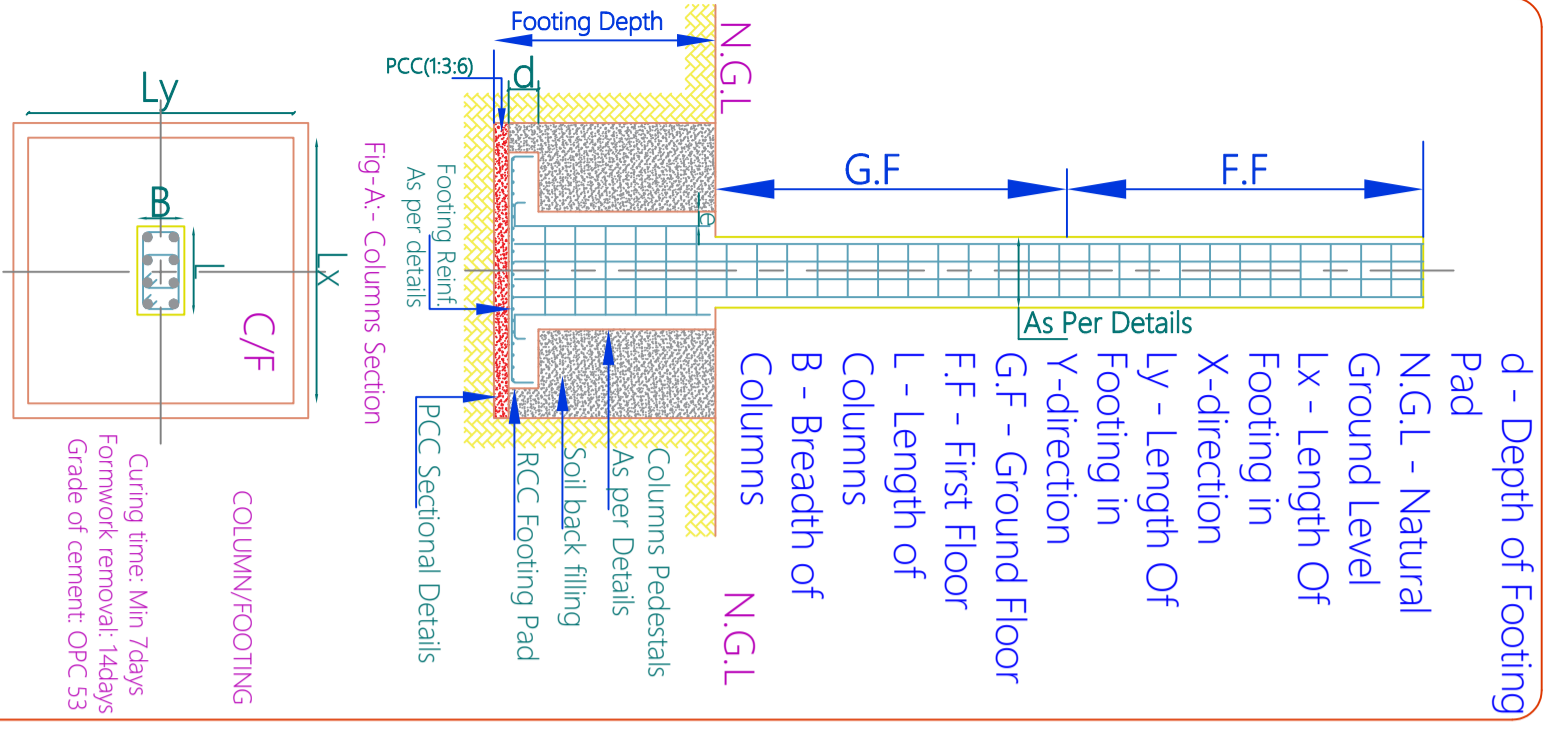
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SCALE - NTS R-0 \*\*\*A3 PRINTS\*\*\*

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AKA	HP	India's Leading Structure Consultants
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HRKD/13/01/17/2021		+91-9343 01 1313 hrk_designs@outlook.com



**Form work details:**  
The Form work shall be designed and constructed so as to remain sufficiently rigid during placing and compaction of concrete, and shall be such as to prevent loss of slurry from the concrete.

SHEET - C GENERAL FIGURES'S		CLIENT: <b>MR. SHAMESH JI</b>	
SHEET TITLE <b>GOOD FOR CONSTRUCTION</b>		PROJECT BY:-	
DRAW NO <b>LIST OF CONTENT</b>		Ar. SHWETA SHUKLA JI	
Draw - 1 <b>Reinforcement Details As Per IS 456</b>		#228, Tricity Trade Tower, Adjacent Hotel Radisson, Patiala Road, Zirakpur (Punjab), +91-99151 39867	
Draw - 2 <b>General Figure's &amp; Specification</b>		13decor.tb@gmail.com	
Draw - 3			

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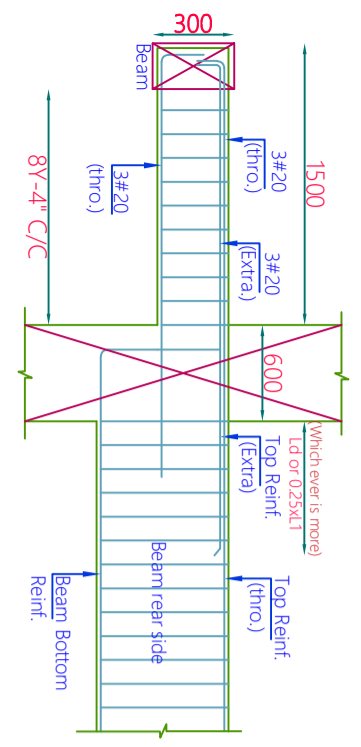
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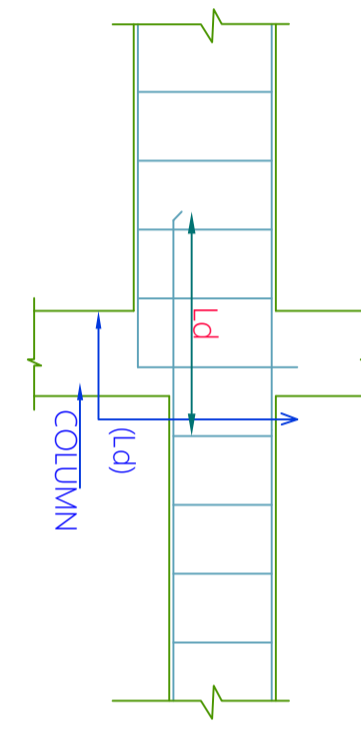
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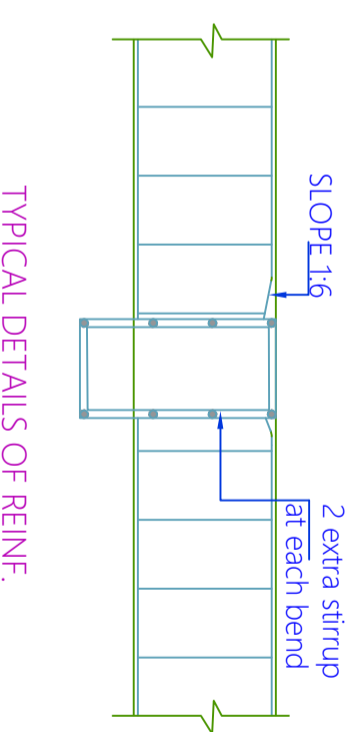
**SCALE - NTS** R-0 \*\*\*\*\*A3 PRINTS\*\*\*\*\*



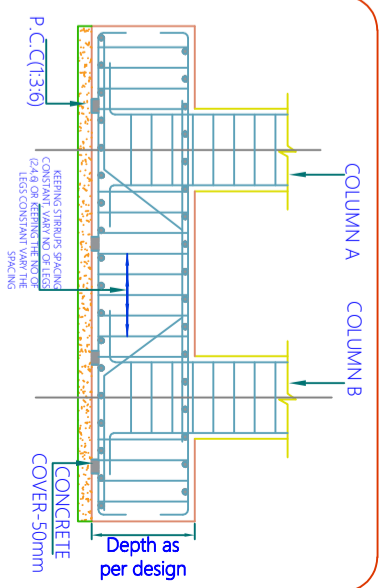
L-SEC. OF CANTILEVER BEAM



TYPICAL DETAILS OF REINF. AT THE JUNCTION OF TWO BEAMS OF UNEQUAL DEPTH



TYPICAL DETAILS OF REINF. AT THE JUNCTION OF TWO BEAMS OF UNEQUAL DEPTH



FOOTING BEAM

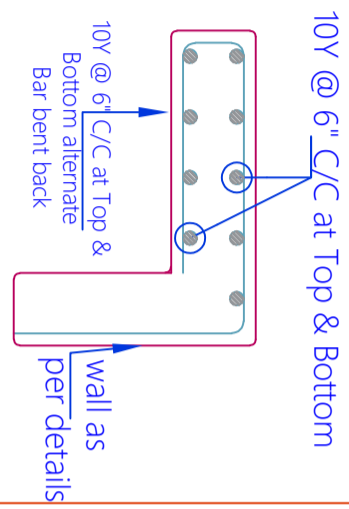
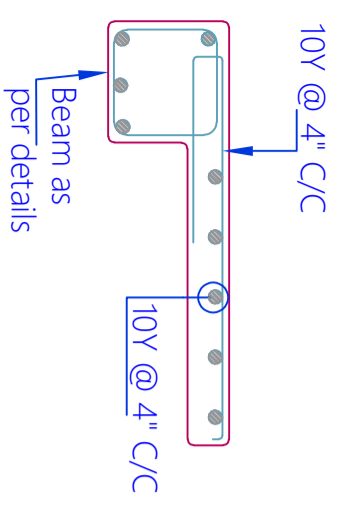


Fig-7:- Reinforcement Details for lintel cum Sunshade

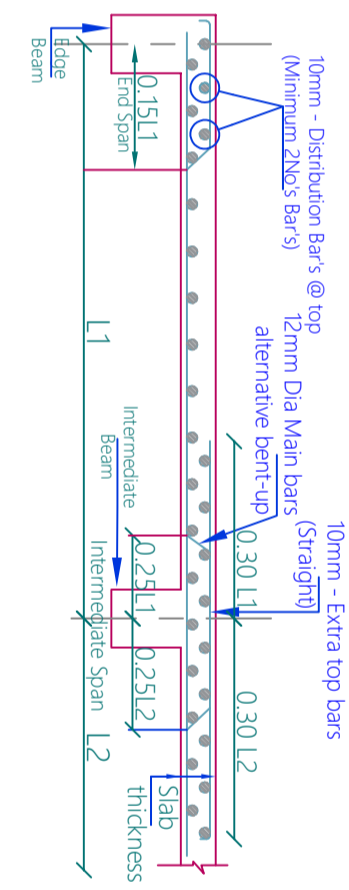


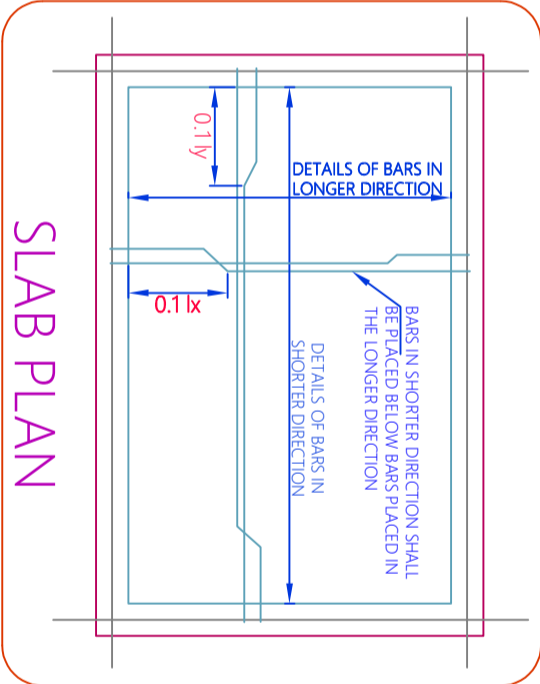
Fig-4:- Typical Slab Section for all the floors

**DESIGN LOAD :-**

(As per IS 875 part I to III & V IS1893:2002)

1. LOADS :	3. ALLOWABLE DEFLECTION FACTOR :
ROOF LIVE LOAD..... 2.0 kPa	FOR ROOF : LIVE LOAD = L/360
BEAMS LIVE LOAD..... 3.0 kPa	TOTAL LOAD = L/240
ROOF DEAD LOAD..... 1.5 kPa	
FLOOR DEAD LOAD..... 2.5 kPa	FOR FLOOR : LIVE LOAD = L/360
LIVE LOADS	TOTAL LOAD = L/240
BED ROOM, LIVING ROOM..... 5.0 kPa	
TILET AREA..... 2.0 kPa	
STAIRCASE, PASSAGE, BALCONY..... 5.0 kPa	
LOUNGE..... 5.0 kPa	
INTERIOR WALL DEAD LOAD..... 1.20 kPa	
2. SEISMIC DATA :	4. WIND DATA :
SEISMIC ZONE..... IV	BASIC WIND SPEED..... 52 m/s
ZONE FACTOR (Z)..... 0.25	RISK COEFFICIENT (K1)..... 1.00
IMPORTANCE FACTOR (I)..... 1.0	TERRAIN COEFFICIENT (K2)..... 1.00
RESPONSE REDUCTION FACTOR (R)..... 5	TOPOGRAPHY FACTOR (K3)..... 1.00
SEISMIC INTENSITY..... MODERATE	DESIGN WIND SPEED..... 52 m/s

This Building is designed for G+5 Storey Structure only



SLAB PLAN

All rubbish, particularly, chipping, shavings and saw dust shall be removed from the interior of the forms before the concrete is placed. The face of formwork in contact with the concrete shall be cleaned and treated with form release agent

- INDICATES HIGHER DIA BARS
- INDICATES SMALLER DIA BARS

APPROVAL	
TENDER	
G.F.C	
DOCUMENT	

Form work details: IS456-2000 Clause 11.3.1  
The form work shall be designed and constructed so as to remain sufficiently rigid during placing and compaction of concrete, and shall be such as to prevent loss of slurry from the concrete.

**GENERAL NOTES**

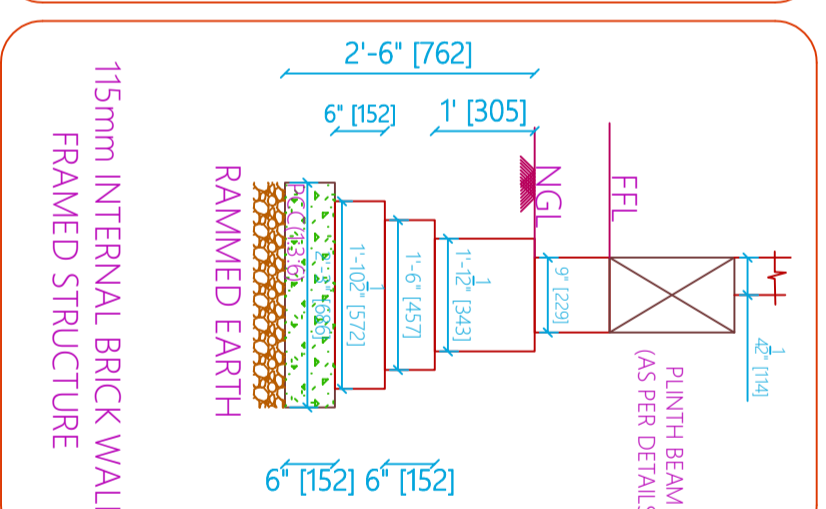
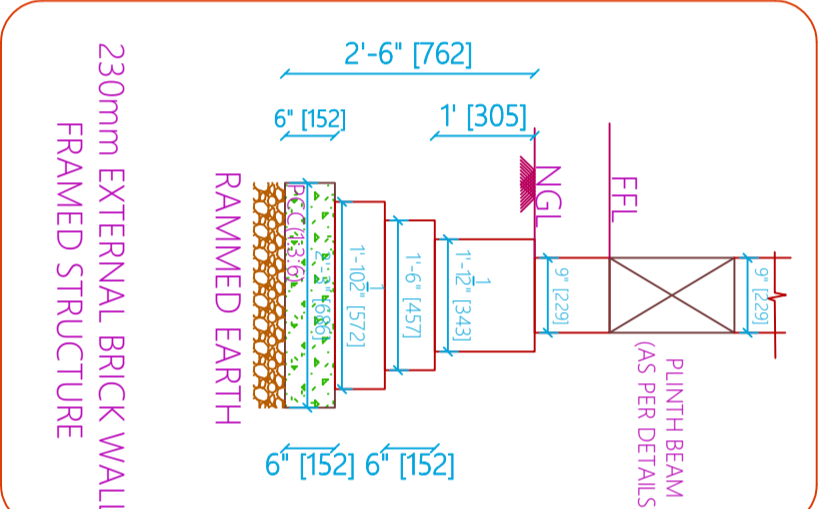
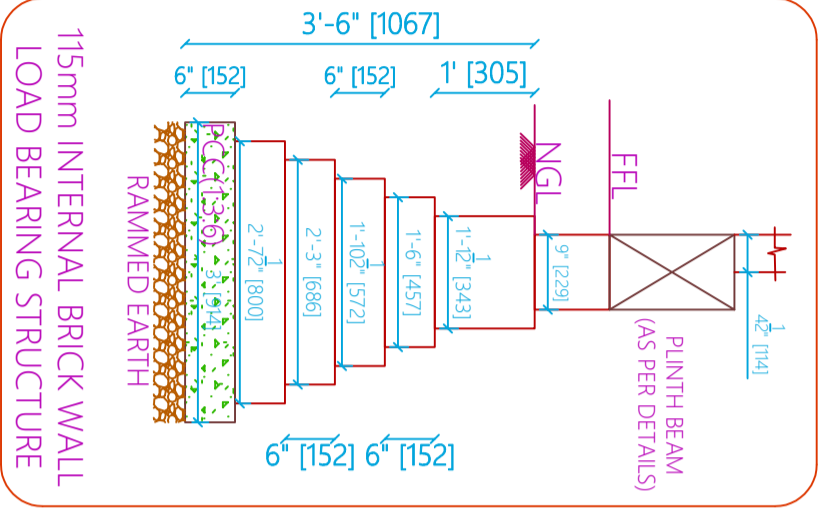
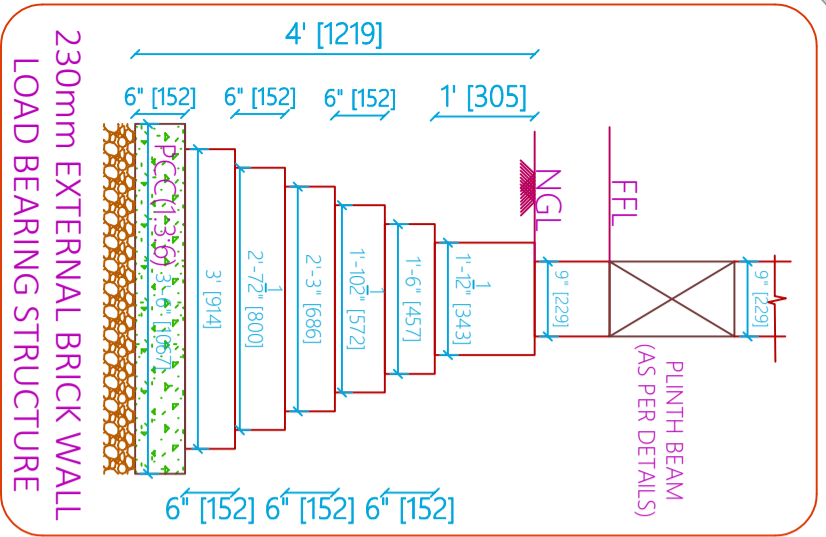
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SHEET - D GENERAL FIGURES	CLIENT: MR. SUMIT JI
SHEET TITLE GOOD FOR CONSTRUCTION	PROJECT BY:-
Drw No LIST OF CONTENT	Drw -1 Reinforcement Details As Per IS 456
Drw -2 General Figure's & Specification	Drw -3

CHK	DRW	HRK_Designs Structure Consultants
AKA	HP	India PVT LTD India's Leading Structure Consultants
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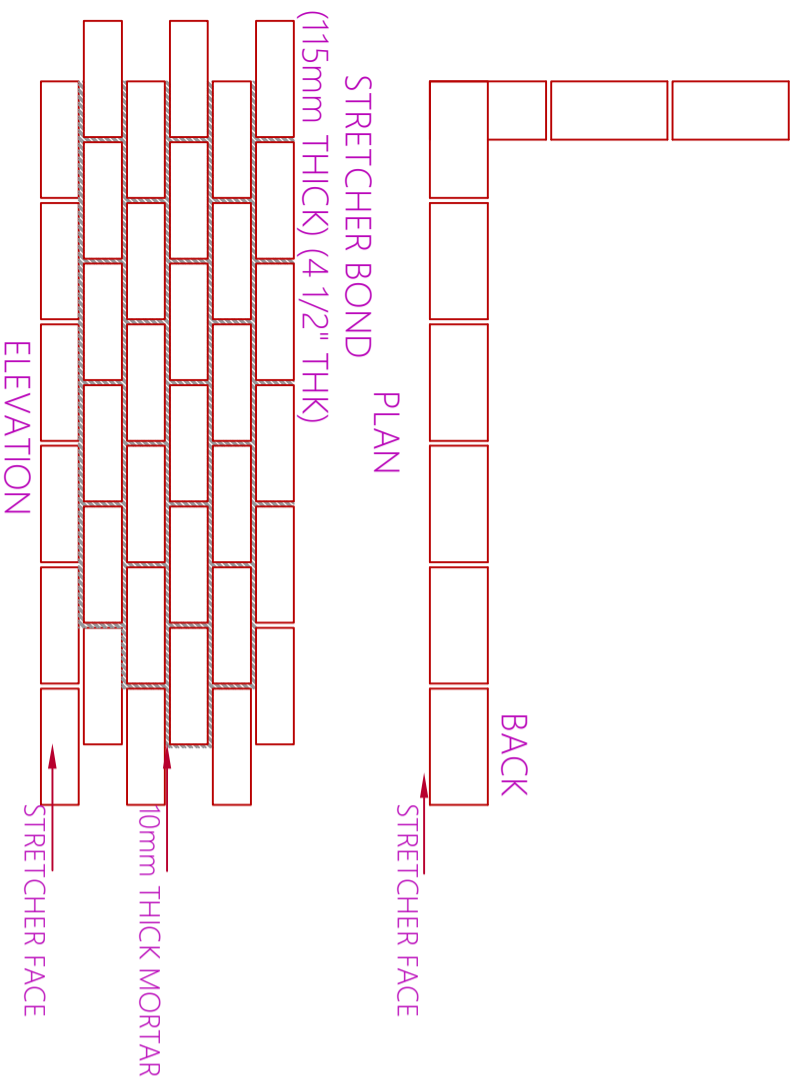
- RATIO - APPLICATION**
- 1:6 - INTERNAL PLASTER/ FLOORING
  - 1:6 - BRICK MASONRY
  - 1:5 - EXTERNAL PLASTER
  - 1:4 - HALF BRICK MASONRY
  - 1:3 - CEILING PLASTER
  - 1:3 - REPAIR PLASTER
  - 1:3 - REINFORCED BRICK WORK
  - 1:3 - WATER LOGGED AREA
  - 1:1 - CEMENT GROUTING
  - 1:2 - POINT LOAD
  - 1:2 - FLOORING
  - 1:2 - STONE MASONRY
- RATIO OF CEMENT MORTAR**

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- (A) SLAB - 20mm (B) BEAMS TOP & BOTTOM- 30MM (C) BEAM SIDES - 25mm (D) - COLUMNS - 40mm (E) - FOOTINGS (Sides) - 50mm.
- 7 - WATER USED FOR CONCRETING SHALL MEET CL - 5.4 IS - 456.
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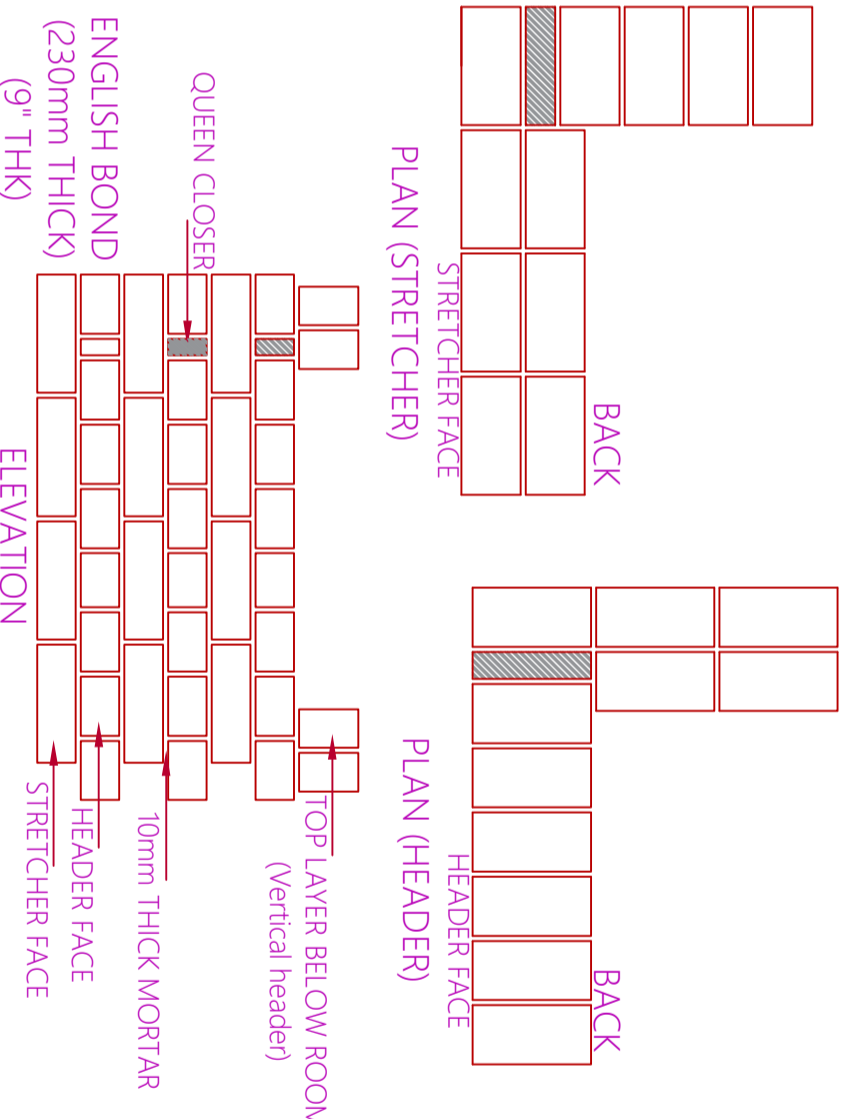
**CODES USED FOR DESIGNING**

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- IS : 800-2007 - INDIAN STANDARD CODE OF PRACTICE FOR GENERAL CONSTRUCTION IN STEEL
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- IS : 875-1987 - PART (1, 11, 111, & V) - INDIAN STANDARD CODE OF PRACTICE FOR DESIGN LOADS
- IS : 1893-2002 - INDIAN STANDARD CODE OF PRACTICE FOR EARTHQUAKE RESISTANCE DESIGN OF STRUCTURE



**SECTION A-A'**

- 1-The color of bricks should be bright and uniform
- 2-They should be well burned and having smooth surfaces and sharp edges.
- 3-Thermal conductivity of bricks should be less and they should be sound proof
- 4-They shouldn't absorb more than 20% by weight when we place it in water
- 5-There should not be any scratch left on the brick when we scratched with finger nail
- 6-When we struck two bricks together, ringing sound should be delivered
- 7-Structure of bricks should be homogeneous and uniform.
- 8-The bricks should not break when we dropped it from 1m height
- 9-There should not be any white deposits on brick, when we soak it in water for 24hrs

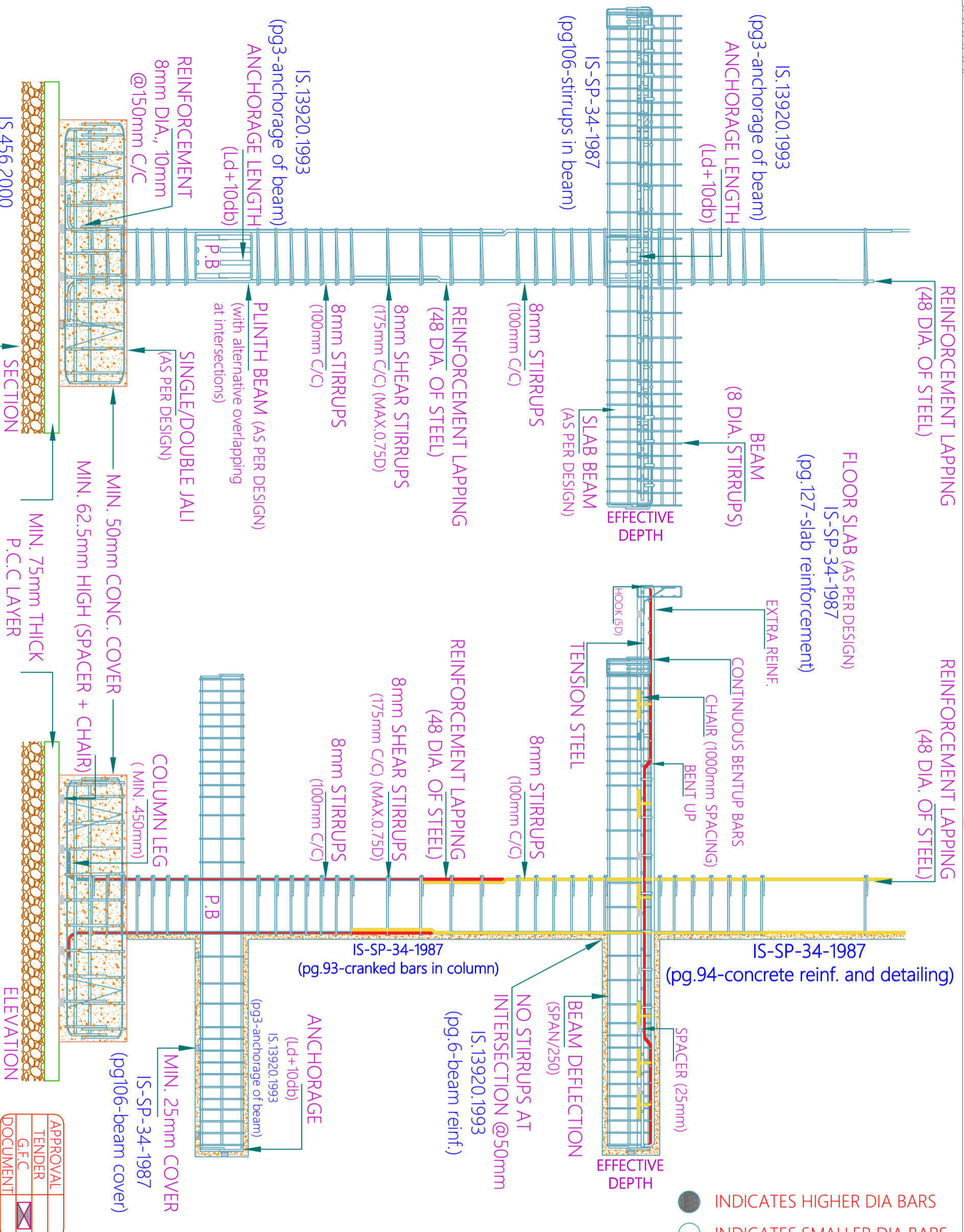


**SECTION B-B'**

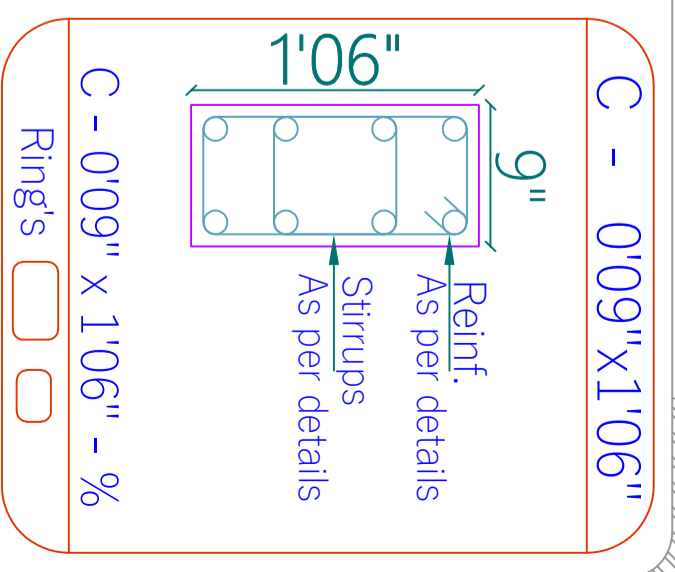
SHEET - E GENERAL FIGURES		CLIENT: MR. SUMIT JI
SHEET TITLE GOOD FOR CONSTRUCTION		PROJECT BY:-
Drw No	LIST OF CONTENT	Ar. SHWETA SHUKLA JI
Drw - 1	Reinforcement Details As Per IS 456	#228, Tricity Trade Tower, Adjacent Hotel Radisson, Patiala Road, Zirakpur (Punjab).
Drw - 2	General Figure's & Specification	+91-99151 39867
Drw - 3		13decor.tb@gmail.com

APPROVAL	
TENDER	
G.F.C	
DOCUMENT	

SCALE - NTS	R-0	****A3 PRINTS****
CHK	DRW	HRK_Designs Structure Consultants
AKA	HP	India's Leading Structure Consultants
HRKD/SS/13/2022		91-9343 01 1313 hrk_designs@outlook.com
HRKD/13/01/17/2021		Old AXIS ANIXIA BEHUR - KOPPA ROAD OFF MAIN ROAD AKSHAYNAGAR BENGALURU 560088



● INDICATES HIGHER DIA BARS  
○ INDICATES SMALLER DIA BARS



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TENDER	
G.F.C	
DOCUMENT	

SHEET - F GENERAL FIGURES'S CLIENT: MR. SUMIT JI

SHEET TITLE GOOD FOR CONSTRUCTION PROJECT BY:-

Drw No LIST OF CONTENT Ar. SHWETA SHUKLA JI

Drw - 1 Reinforcement Details As Per IS 456 #228, Tricity Trade Tower, Adjacent Hotel Radisson, Patiala Road, Zirakpur (Punjab).

Drw - 2 General Figure's & Specification +91-99151 39867

Drw - 3 13decor.tb@gmail.com

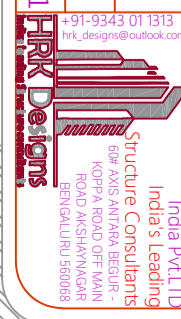
SCALE - NTS R-0 \*\*\*A3 PRINTS\*\*\*

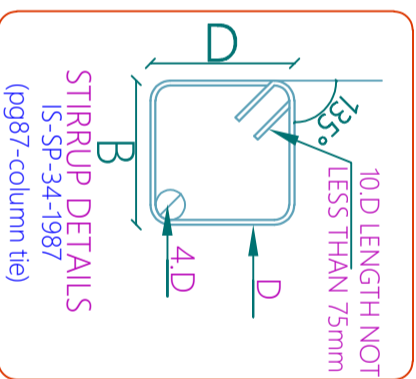
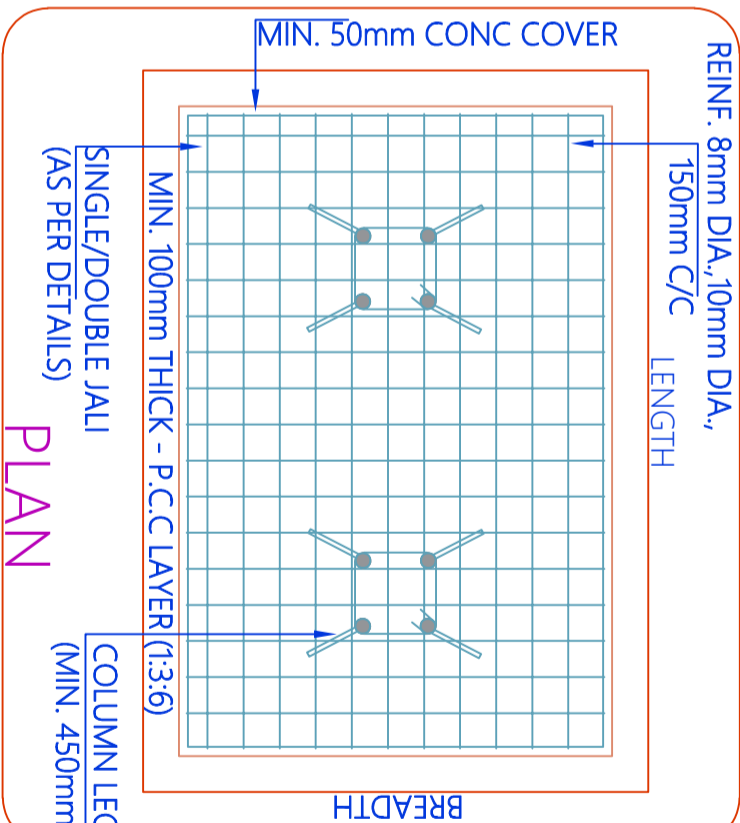
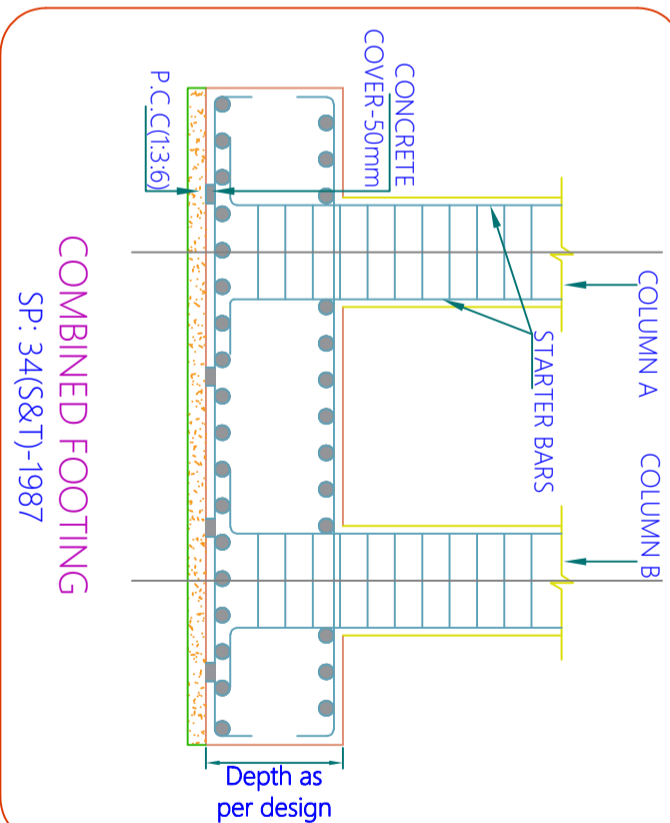
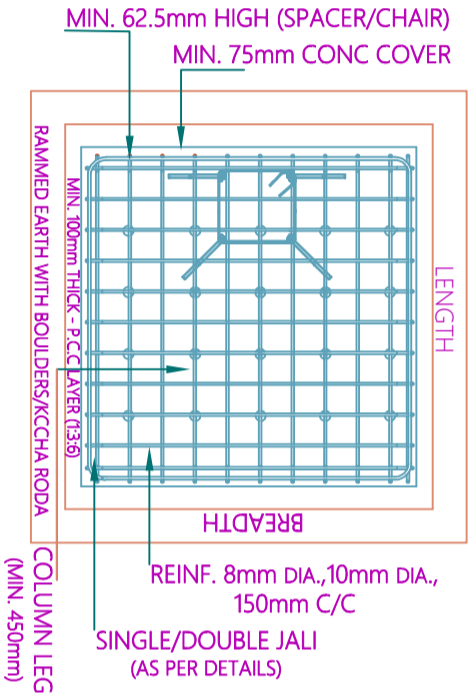
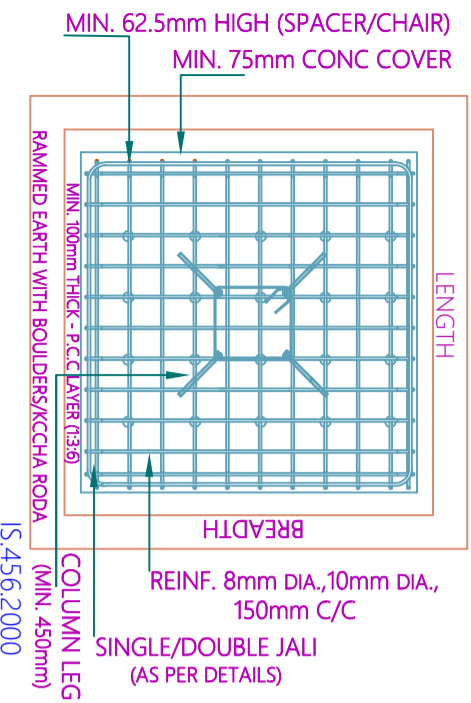
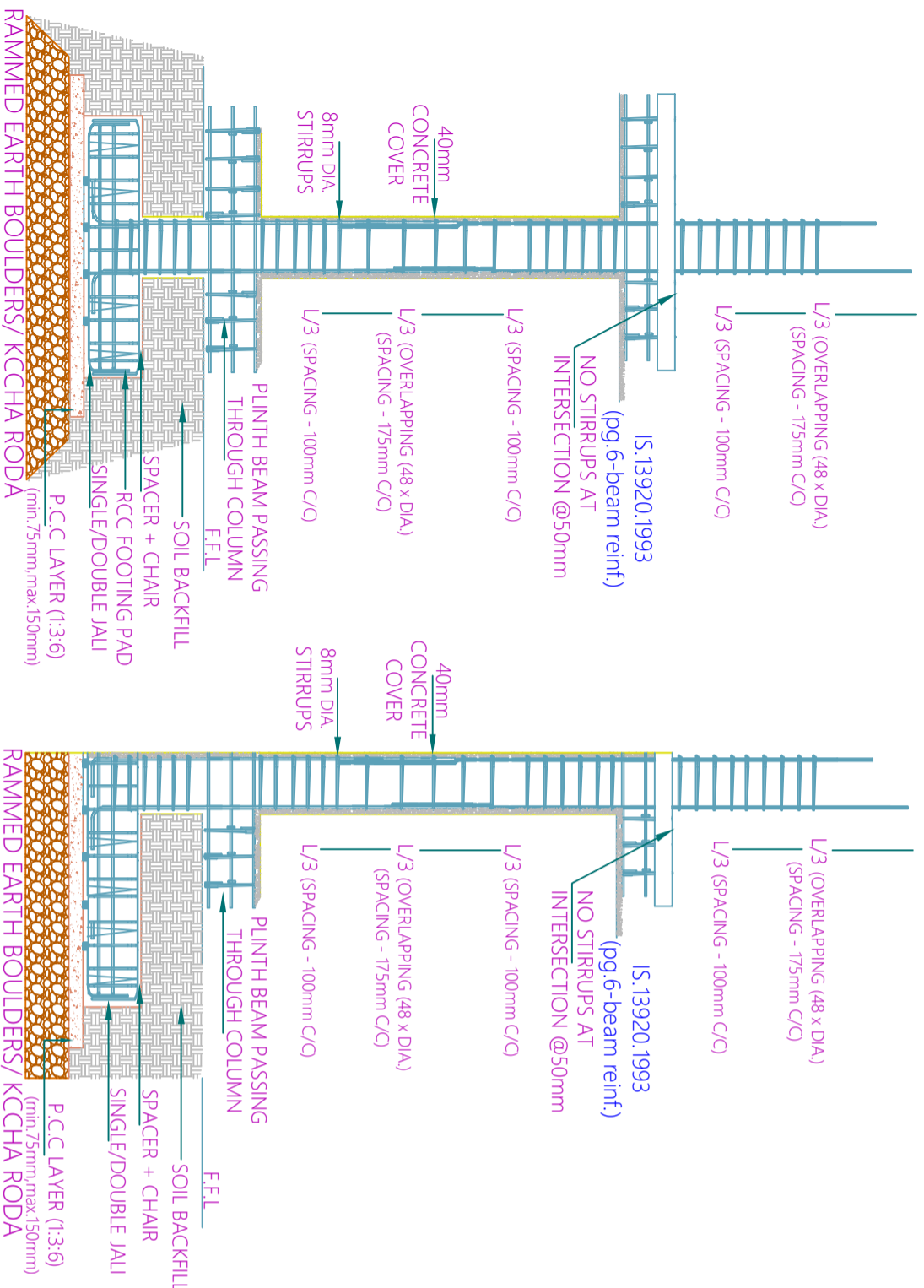
CHK DRW HRK

AKA HP HRK

HRKD/SS/13/2022

HRKD/13/01/17/2021





**ISOLATED FOOTING**

**ECCENTRIC FOOTING**

**PLAN**

(pg.46-nominal cover)  
slab -20mm,beams -25mm,  
columns -40mm,footings -50mm

**PLAN**

**COMBINED FOOTING**

The earth used for filling shall be free from all roots, grass, shrubs, rank vegetation, brushwood, tress, sapling and rubbish. Filling with excavated earth shall be done in regular horizontal layers each not exceeding 20 cm in depth. All lumps and clods exceeding 8 cm in any direction shall be broken. Each layer shall be watered and consolidated with steel rammer or 1/2 tonne roller. Where specified, every third and top must layer shall also be consolidated with power roller of minimum 8 tonnes. Wherever depth of filling exceeds 1.5 metre vibratory power roller shall be used to consolidate the filling unless otherwise directed by Engineer-in-charge. The top and sides of filling shall be neatly dressed. The contractor shall make good all subsidence and shrinkage in earth fillings, embankments, traverses etc. during execution and till the completion of work unless otherwise specified.

As per IS Code 456-2000  
Overlapping length should not be less than 75mm. Lapping should be avoided in tensile zone of construction members.  
Overlapping length of Reinf. Column 48d.  
Beam 50d  
Slab 50d

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APPROVAL	
TENDER	
G.F.C	
DOCUMENT	<input checked="" type="checkbox"/>

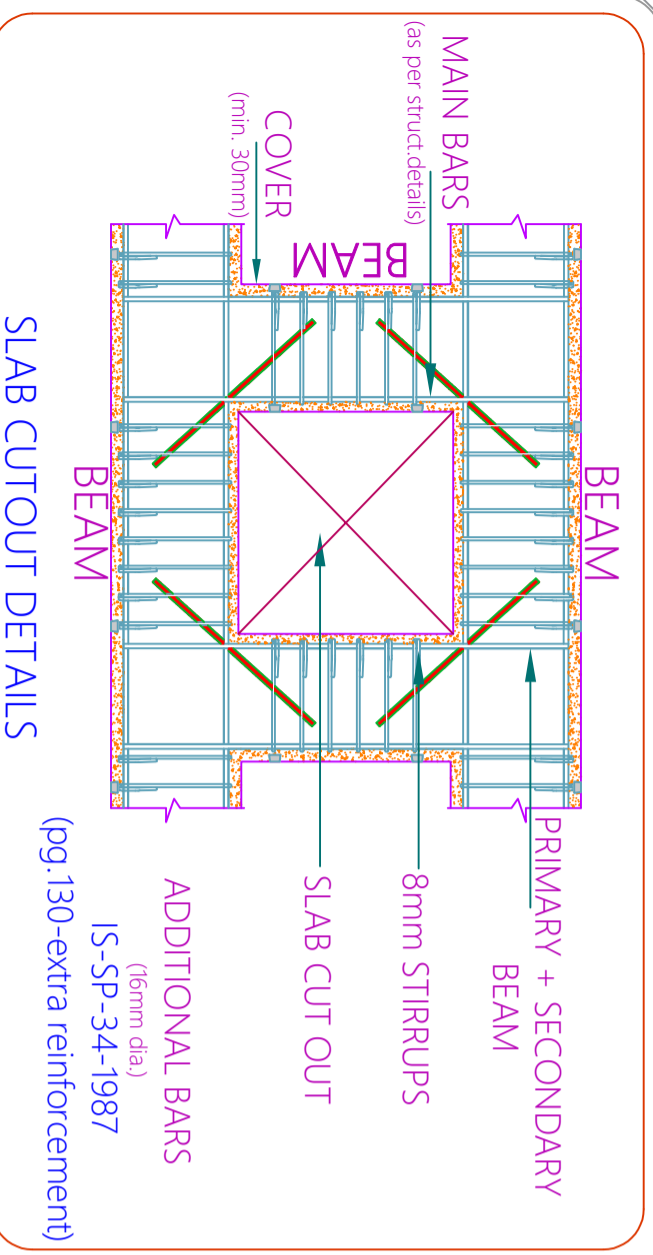
CLIENT: MR. SUMIT JI

SHEET - G GENERAL FIGURES

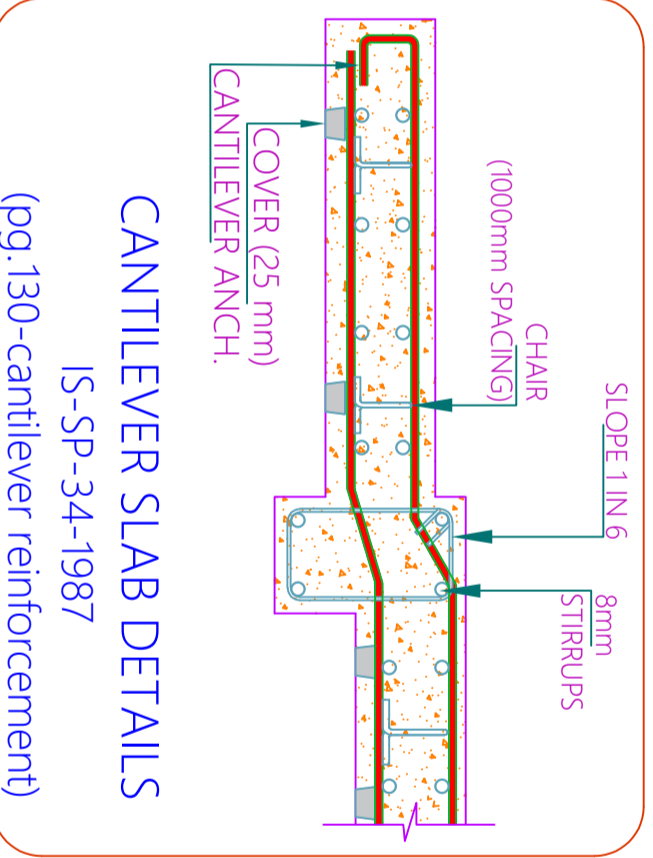
SHEET TITLE GOOD FOR CONSTRUCTION

SHEET NO	LIST OF CONTENT	PROJECT BY:-
Dw - 1	Reinforcement Details As Per IS 456	Ar. SHWETA SHUKLA JI
Dw - 2	General Figure's & Specification	#228, Tricity Trade Tower, Adjacent Hotel Radisson, Patiala Road, Zirakpur (Punjab), +91-99151 39867
Dw - 3		13decor.tb@gmail.com

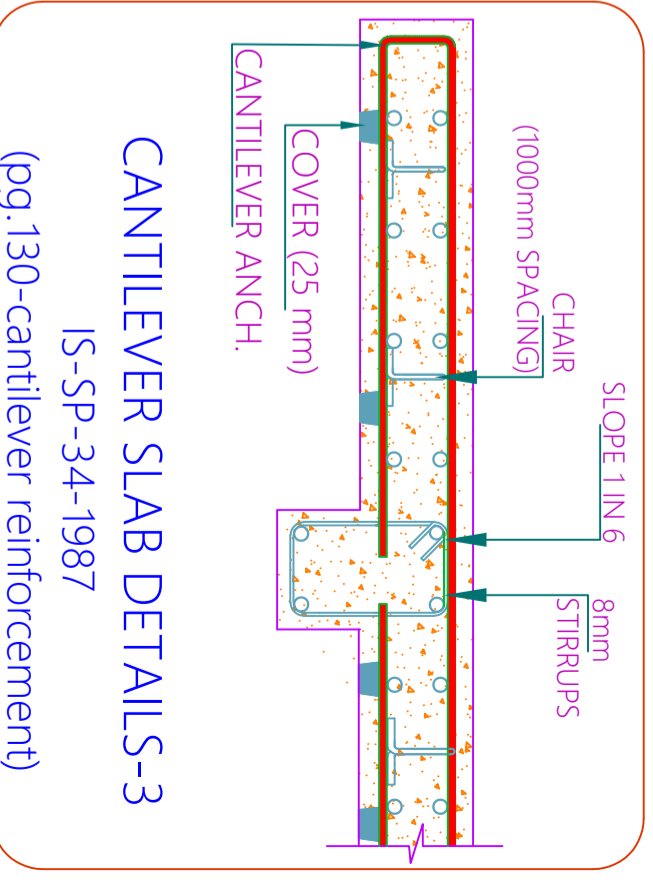
CHK	DRW	HRK_Designs Structure Consultants
AKA	HP	India's Leading Structure Consultants
HRKD/SS/13/2022		gite ANITA, BEGUR - KOPPA ROAD OFF MAIN ROAD AKSHAYNAGAR BENGALURU 560088
HRKD/13/01/17/2021		+91-9343 01 1313 hrk_designs@outlook.com



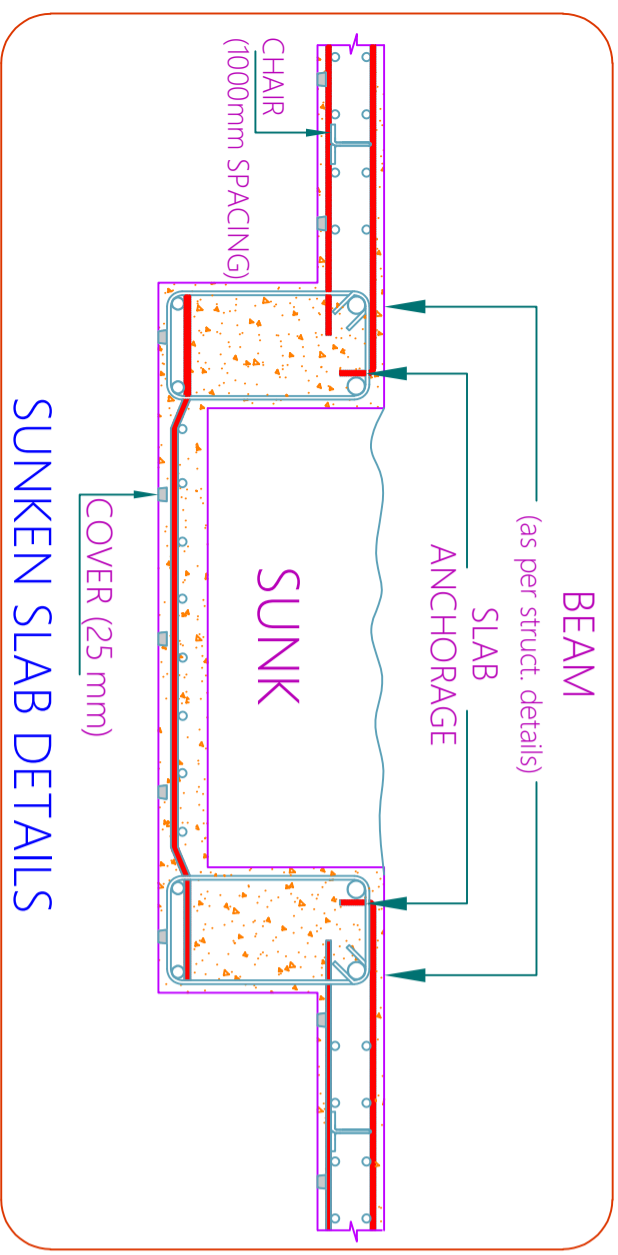
SLAB CUTOUT DETAILS



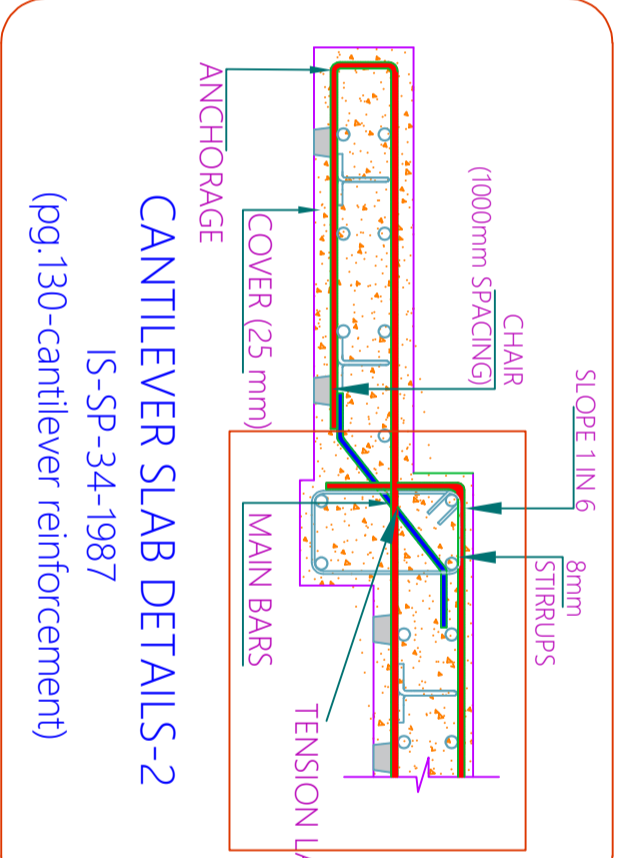
CANTILEVER SLAB DETAILS  
IS-SP-34-1987  
(pg.130-cantilever reinforcement)



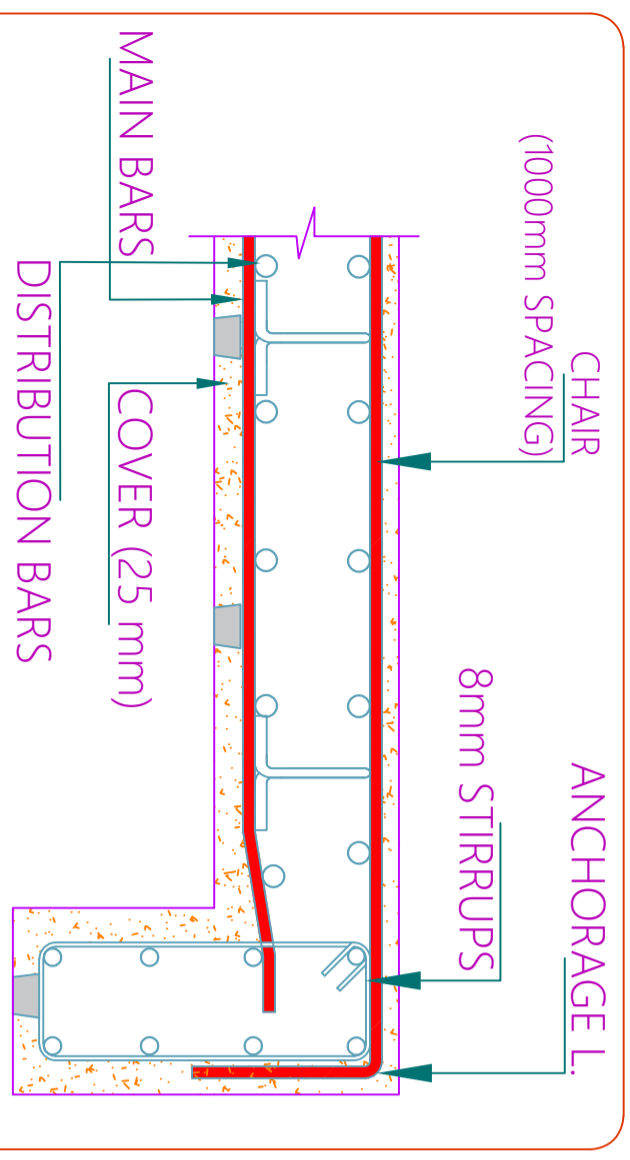
CANTILEVER SLAB DETAILS-3  
IS-SP-34-1987  
(pg.130-cantilever reinforcement)



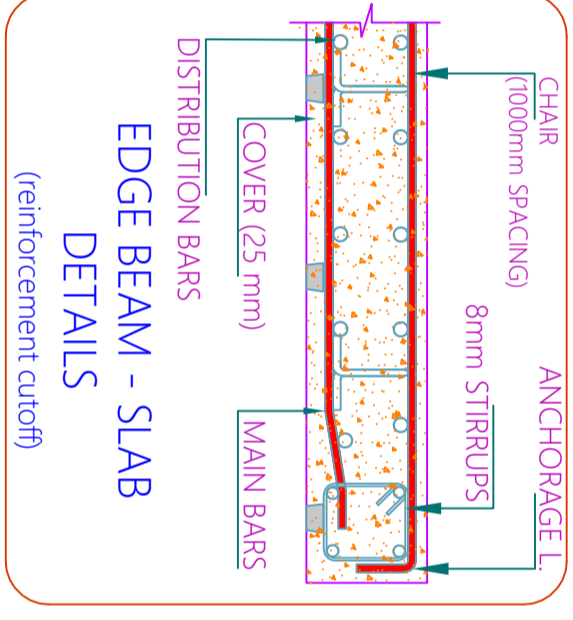
SUNKEN SLAB DETAILS



CANTILEVER SLAB DETAILS-2  
IS-SP-34-1987  
(pg.130-cantilever reinforcement)

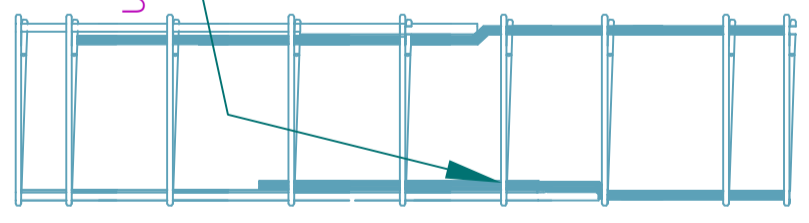


EDGE BEAM - SLAB  
DETAILS



EDGE BEAM - SLAB  
DETAILS  
(reinforcement cutoff)

LAP@  
750-900mm  
(2'6" - 3')  
LAPPING  
LENGTH  
(48D)  
IS.13920.1993  
(pg.4-beam web)



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TENDER	
G.F.C	
DOCUMENT	

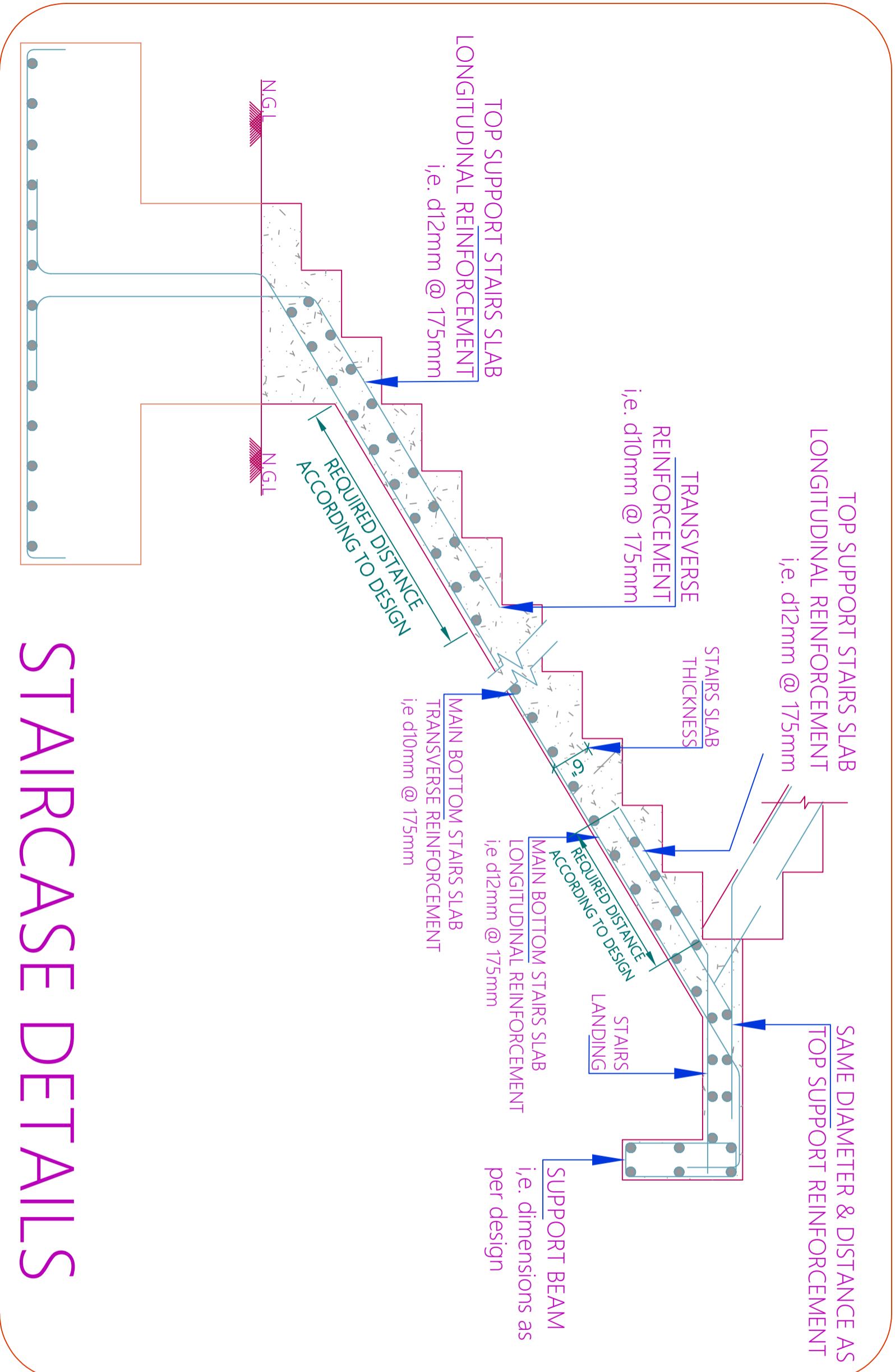
SHEET - H GENERAL FIGURES'S CLIENT: MR. SUMIT JI

SHEET TITLE GOOD FOR CONSTRUCTION PROJECT BY:-

Drw No	LIST OF CONTENT	Drw - 1	Reinforcement Details As Per IS 456
Drw - 2	General Figure's & Specification	Drw - 3	

HRK\_Designs Structure Consultants

India Pvt.LTD  
Structure Consultants  
g#r AXIS ANITARA BEGUR -  
KOPPA ROAD OFF MAIN  
ROAD AKSHAYNAGAR  
BENGALURU 560088  
+91-9343 01 1313  
hrk\_designs@outlook.com



# STAIRCASE DETAILS

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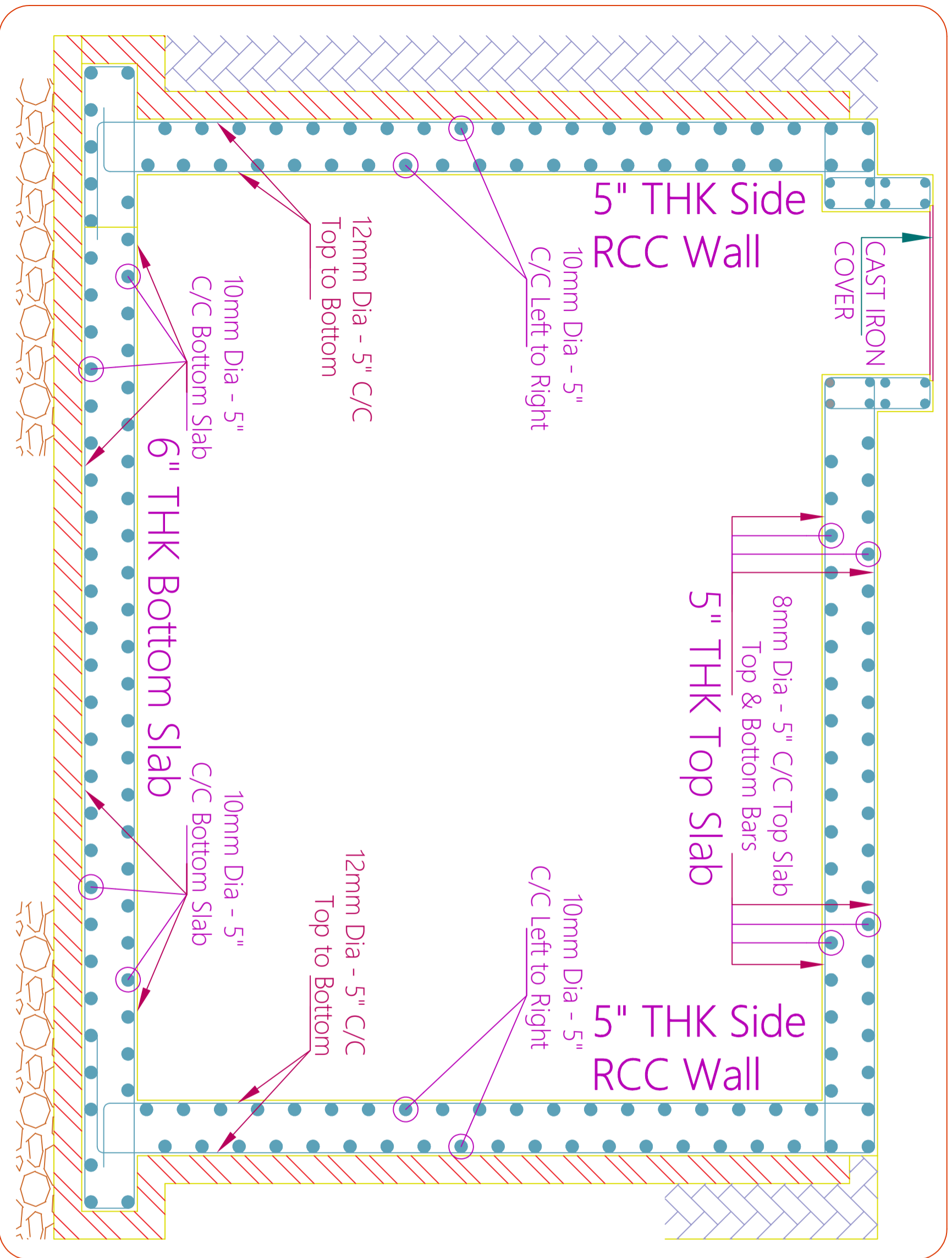
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SHEET - I GENERAL FIGURES'S CLIENT: MR. SUMIT JI

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Drw No	LIST OF CONTENT	Ar. SHWETA SHUKLA JI
Drw - 1	Reinforcement Details As Per IS 456	#228, Tricity Trade Tower, Adjacent Hotel Radisson, Patiala Road, Zirakpur (Punjab).
Drw - 2	General Figure's & Specification	+91-99151 39867 (Punjab).
Drw - 3		13decor.tb@gmail.com

SCALE	NTS	R-0	***A3 PRINTS***
CHK	DRW	HP	HRK_Designs Structure Consultants India Pvt.Ltd
AKA	HP		India's Leading Structure Consultants
			g#f# AXIS ANITARA BEGUR - KOPPA ROAD OFF MAIN ROAD AKSHAYNAGAR BENGALURU 560088
			+91-9343 01 1313 hrk_designs@outlook.com
			HRKD/SS/13/2022
			HRKD/13/01/17/2021

APPROVAL	
TENDER	
G.F.C	
DOCUMENT	



Web reinforcement shall consist of vertical hoops:  
 A vertical hoop is a closed stirrup having a 135° hook with a 10 diameter extension ( but not < 75 mm ) at each end that is embedded in the confined core

**FRAMED MEMBERS:**  
 General requirements- IS13920:1993  
 1. The factored axial stress on the member under earthquake loading shall not exceed 0.1 fck.  
 2. The member shall preferably have a width-to-depth ratio of more than 0.3.  
 3. The width of the member shall not be less than 200 mm.  
 4. The depth D of the member shall preferably be not more than 1/4 of the clear span.

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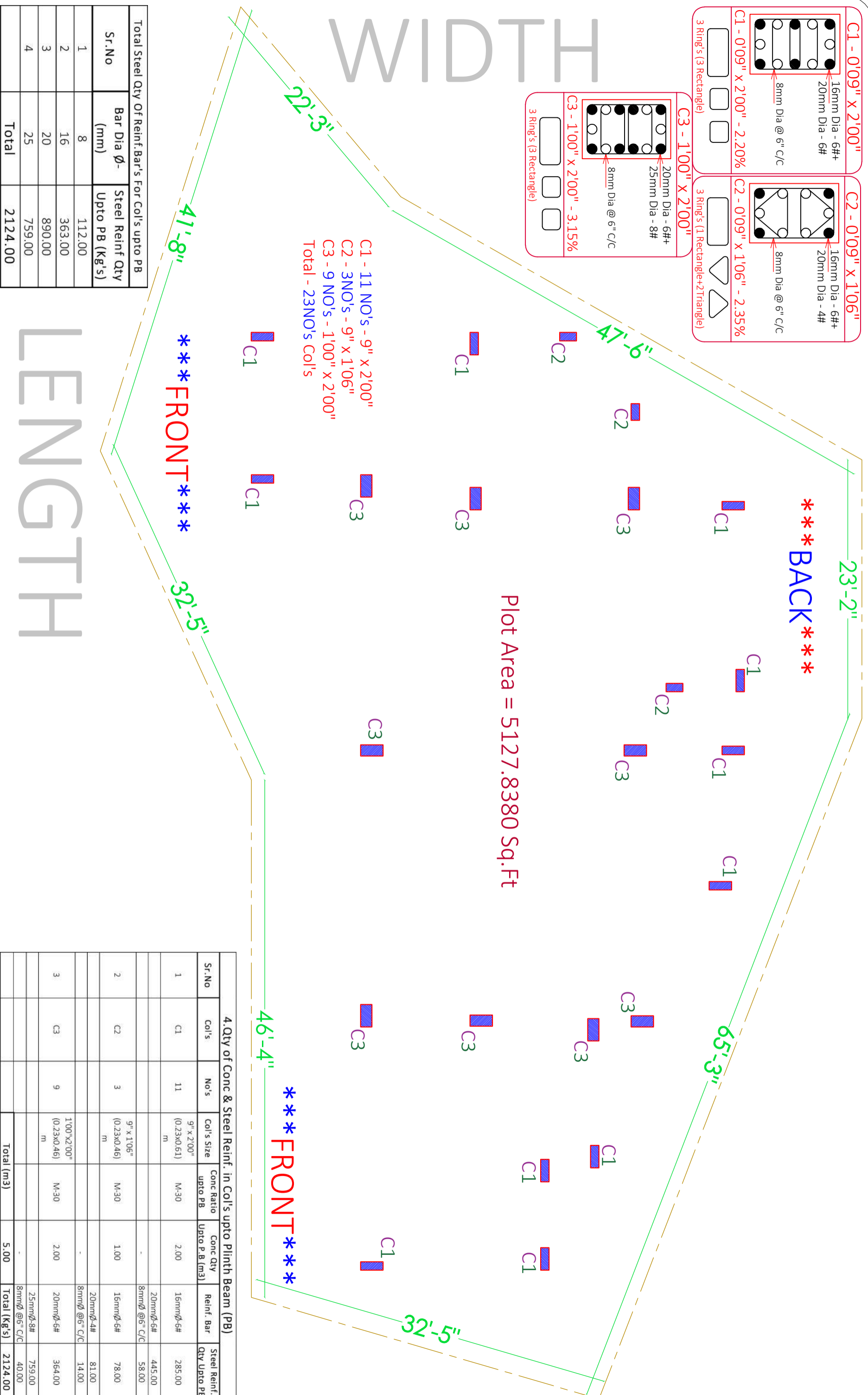
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SHEET - J GENERAL FIGURES'S CLIENT: Mr. SUMIT JI

APPROVAL	
TENDER	
G.F.C	
DOCUMENT	X

SHEET TITLE	GOOD FOR CONSTRUCTION	PROJECT BY:-	Ar. SHWETA SHUKLA JI
Drw No	LIST OF CONTENT		#228, Tricity Trade Tower, Adjacent Hotel Radisson, Patiala Road, Zirakpur (Punjab),
Drw - 1	Reinforcement Details As Per IS 456		+91-99151 39867
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Drw - 3			

CHK	DRW	HRK_Designs Structure Consultants India Pvt.Ltd
AKA	HP	India's Leading Structure Consultants
HRKD/SS/13/2022		6th AXIS ANTRA BEHAR - KOPPA ROAD OFF MAIN ROAD AKSHAYNAGAR BENGALURU 560088
HRKD/13/01/17/2021		+91-9343 01 1313 hrk_designs@outlook.com



Total Steel Qty Of Reinf. Bar's For Col's upto PB		
Sr.No	Bar Dia Ø (mm)	Steel Reinf Qty Upto PB (Kg's)
1	8	112.00
2	16	363.00
3	20	890.00
4	25	759.00
<b>Total</b>		<b>2124.00</b>

4. Qty of Conc & Steel Reinf. in Col's upto Plinth Beam (PB)							
Sr.No	Col's	No's	Col's Size	Conc Ratio upto PB	Conc Qty upto P.B (m3)	Reinf. Bar	Steel Reinf. Qty Upto PB
1	C1	11	9" x 2'00" (0.23x0.61) m	M-30	2.00	16mmØ-6#	285.00
2	C2	3	9" x 1'06" (0.23x0.46) m	M-30	1.00	16mmØ-6#	78.00
3	C3	9	1'00" x 2'00" (0.23x0.46) m	M-30	2.00	20mmØ-6#	364.00
<b>Total (m3)</b>					<b>5.00</b>		<b>727.00</b>
						8mmØ @5" C/C	40.00
						25mmØ-8#	759.00
<b>Total (kg's)</b>							<b>2124.00</b>

SITE NOTES  
IF ANY

22/02/2022 SCALE - NTS R-1 \*A3 PRINTS\*  
SHEET TITLE GOOD FOR CONSTRUCTION

SHEET - 1

PLOT AREA & COL'S DETAILS  
PROJECT BY:-  
Mr. SUMIT JI

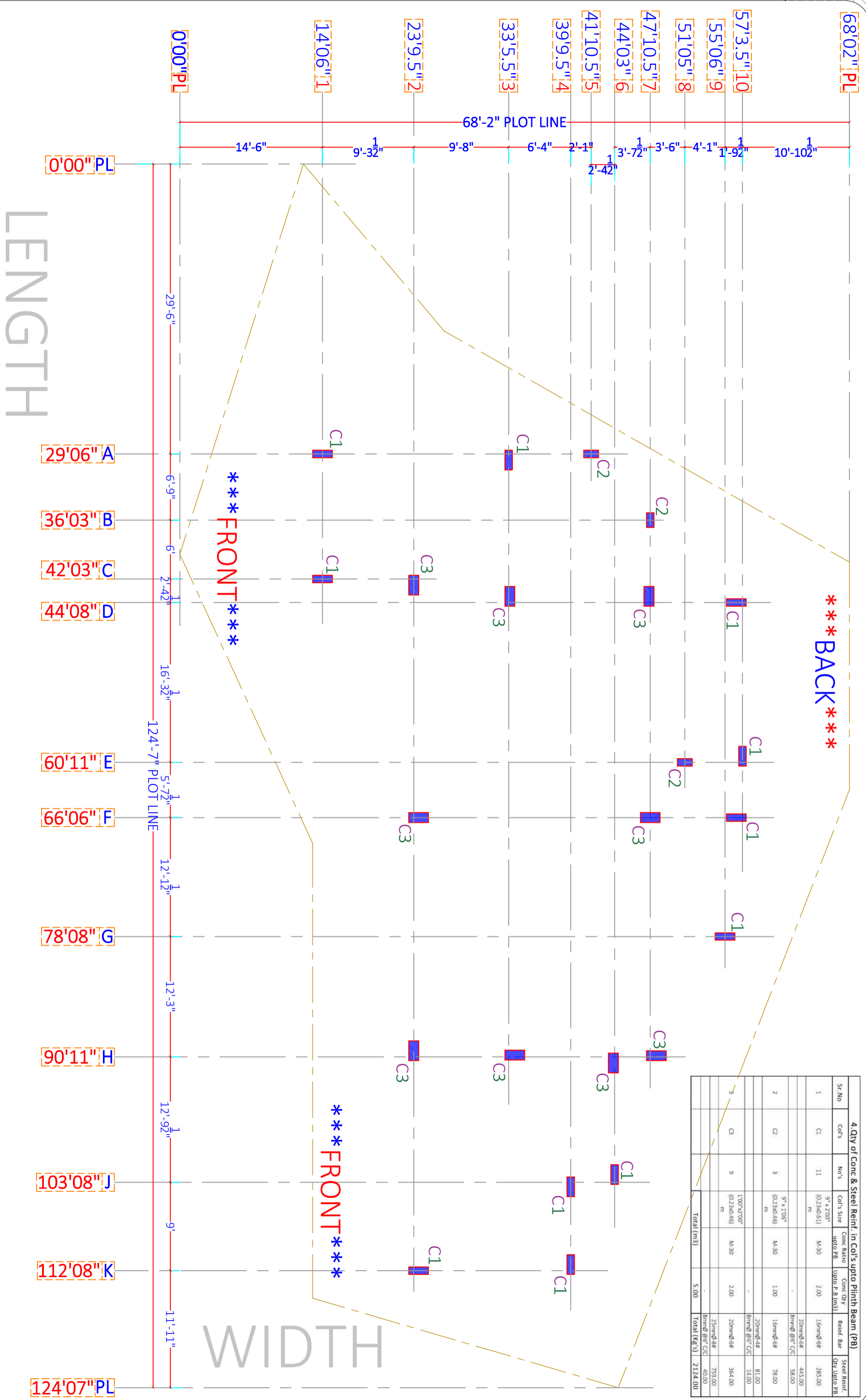
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Drw - 1	PLOT AREA & DETAILS
Drw - 2	COL'S C/S DETAILS
Drw - 3	QTY DETAILS

Archi Sign & Stamp  
HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD  
HRK\_GFC  
24.2.2022

Ar. SHWETA SHUKLA  
#228, Tricity Trade Tower, Adjacent Hotel  
Radisson, Patiala Road, Zirakpur (Punjab).  
+91-99151 39867 13decor.tpg@gmail.com

CHK AKA  
DRW PH  
HRK/A.:TPG/GFC/13/11  
HRKD/13/02/22/2022





\*\*\*BACK\*\*\*

\*\*\*FRONT\*\*\*

\*\*\*FRONT\*\*\*

LENGTH

WIDTH

4. Qty of Conc & Steel Reinf. in Col's upto Plinth Beam (PB)					
Sr. No	Col's	No's	Col's Size	Conc Ratio	Steel Reinf.
				(upto PB)	Qty upto PB
1	C1	11	9' x 20" (0.23x0.51) m	M:30	16mm@5# 285.00
2	C2	3	9' x 10" (0.23x0.46) m	M:30	20mm@5# 445.00
3	C3	9	10" x 21" (0.23x0.46) m	M:30	20mm@5# 364.00
Total (m <sup>3</sup> )					25mm@5# 759.00
Total (Kg)					40.00
Total (Kg)					2124.00

SITE NOTES  
IF ANY

22/02/2022 SCALE - NTS R-1 \*A3 PRINTS\*  
SHEET TITLE GOOD FOR CONSTRUCTION

SHEET - 2

CENTER LINE PLAN & DETAILS

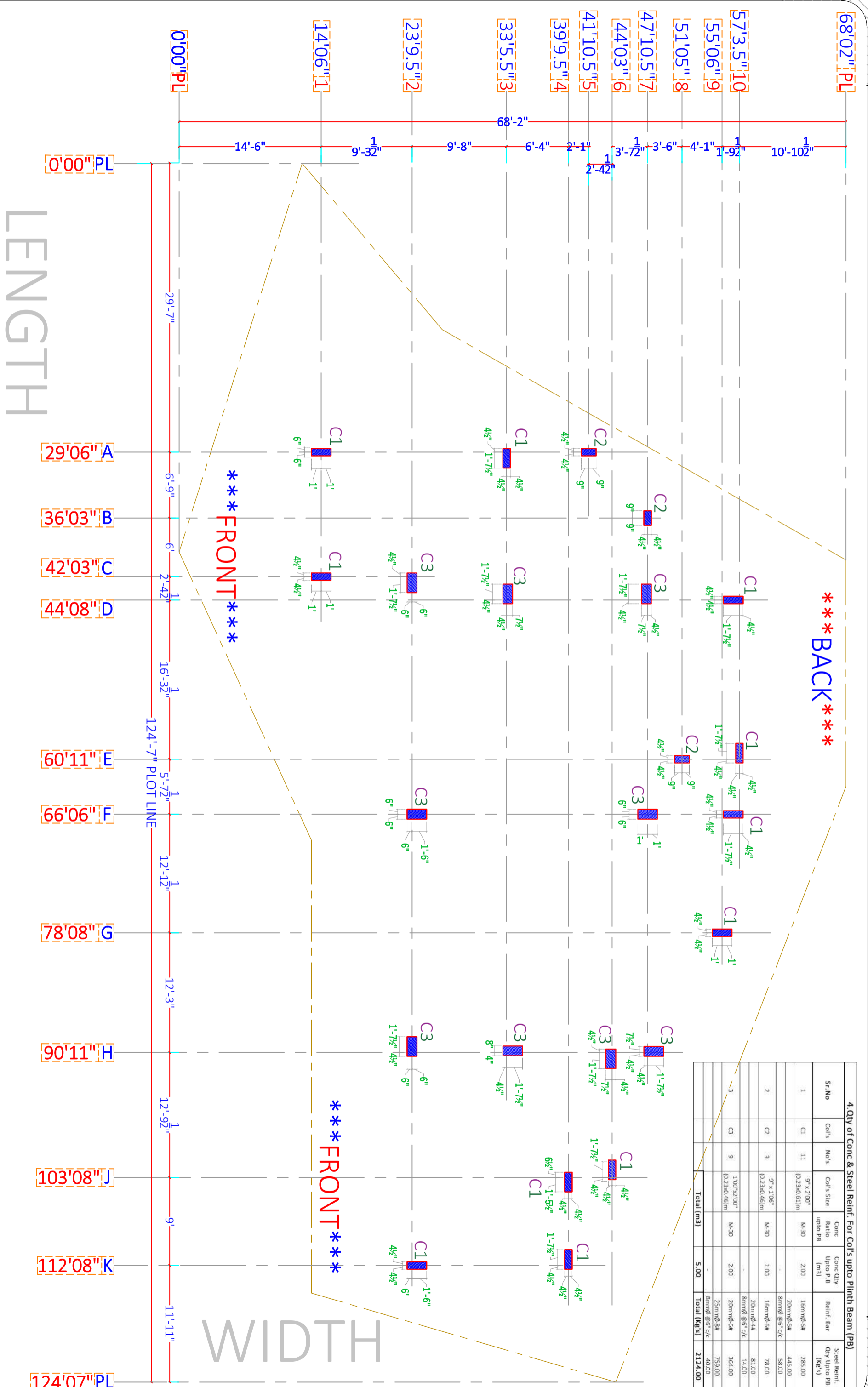
Mr. SUMIT JI

Drw No	Drw Title	Drw Table
Drw - 1	CL PLAN & DETAILS	
Drw - 2	COL'S C/S DETAILS	
Drw - 3	QTY DETAILS	

Archi Sign & Stamp  
HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD  
HRK\_GFC  
24.2.2022  
PMC/Contractor Sign & Stamp

PROJECT BY:-  
Ar. SHWETA SHUKLA  
#228, Tricity Trade Tower, Adjacent Hotel  
Raddisson, Patiala Road, Zirakpur (Punjab).  
+91-99151 39867 13decor.tpg@gmail.com

CHK AKA PH  
HRK/A.:TPG/GFC/13/11  
HRKD/13/02/22/2022  
HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD  
24/AN AXIS ANTARA  
BEGUR-KOPPA OFF  
MAIN ROAD  
AKSHAYNAGAR  
BLR-560068



Sr. No	Col's	No's	Col's Size	Conc Ratio upto PB	Conc Qty upto PB (m3)	Reinf. Bar	Steel Reinf. Qty upto PB (Kg's)
1	C1	11	9' x 21'00"	M-30	2.00	16mm@6#	285.00
2	C2	3	9' x 1'06"	M-30	1.00	16mm@6#	78.00
3	C3	9	1'00' x 2'00"	M-30	2.00	20mm@6#	445.00
Total (m3)						5.00	811.00
Total (Kg's)							2124.00

LENGTH

WIDTH

\*\*\* FRONT \*\*\*

\*\*\* FRONT \*\*\*

\*\*\* BACK \*\*\*

SITE NOTES  
IF ANY

22/02/2022 SCALE - NTS R-1 \* A3 PRINTS \*  
SHEET TITLE GOOD FOR CONSTRUCTION

SHEET - 3

CENTER LINE PLAN & DETAILS

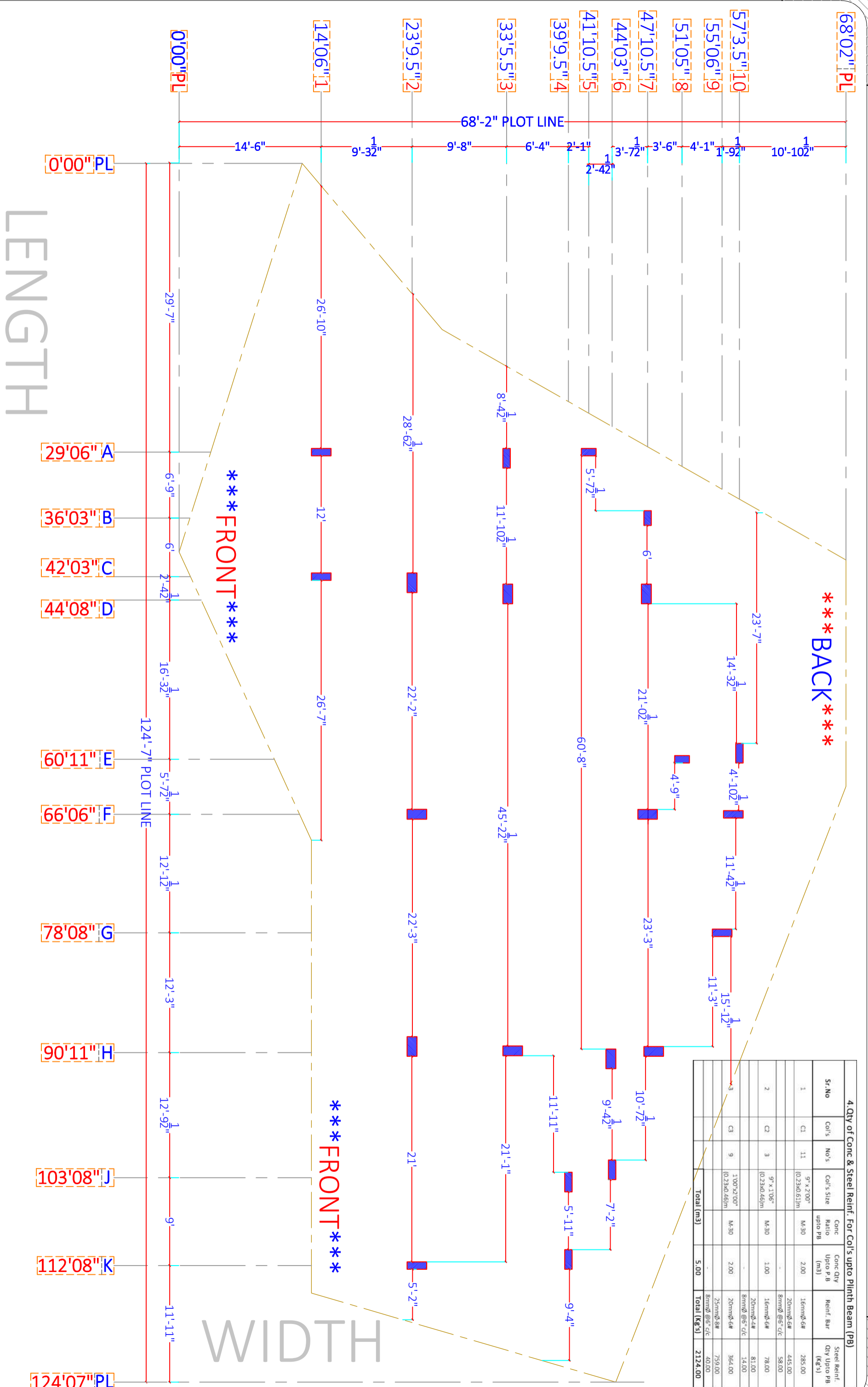
Mr. SUMIT JI

Drw No	Drw Table
Drw - 1	CL PLAN & DETAILS
Drw - 2	COL'S C/S DETAILS
Drw - 3	QTY DETAILS

Archi Sign & Stamp  
HRK\_GFC  
24.2.2022

PROJECT BY:-  
Ar. SHWETA SHUKLA  
#228, Tricity Trade Tower, Adjacent Hotel  
Raddisson, Patiala Road, Zirakpur (Punjab).  
+91-99151 39867 13decor.tpg@gmail.com

CHK AKA PH  
DRW HRK/A.:TPG/GFC/13/11  
HRKD/13/02/22/2022  
HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD  
24/4# AXIS ANTARA BEGUR-KOPPA OFF MAIN ROAD AKSHAYNAGAR BLR-560068



Sr. No	Col's	No's	Col's Size upto PB	Conc Qty upto PB (m3)	Reinf. Bar Qty upto PB (Kg's)
1	C1	11	9' x 2'00" (0.23x0.61m)	M-30	2.00
2	C2	3	9' x 1'06" (0.23x0.46m)	M-30	1.00
3	C3	9	1'00" x 2'00" (0.23x0.46m)	M-30	2.00
<b>Total (m3)</b>					<b>5.00</b>
<b>Total (Kg's)</b>					<b>2124.00</b>

SITE NOTES  
IF ANY

22/02/2022 SCALE - NTS R-1 \* A3 PRINTS \*  
SHEET TITLE GOOD FOR CONSTRUCTION

SHEET - 4

CENTER LINE PLAN & DETAILS

Mr. SUMIT JI

Drw No	Drw Title	Drw Table
Drw - 1	CL PLAN & DETAILS	
Drw - 2	COL'S C/S DETAILS	
Drw - 3	QTY DETAILS	

Archi Sign & Stamp  
HRK\_GFC  
24.2.2022

PROJECT BY:-  
Ar. SHWETA SHUKLA  
#228, Tricity Trade Tower, Adjacent Hotel  
Raddisson, Patiala Road, Zirakpur (Punjab).  
+91-99151 39867 13decor.tpg@gmail.com

CHK AKA PH  
DRW HRK  
HRK/A.:TPG/GFC/13/11  
HRKD/13/02/22/2022







PCC (1:3:6) - 20M3			
Sr.No	Ratio	Description	Qty (Kg's)
1	1	Cement	219
2	3	Fine Aggregate (FA)	657
3	6	Coarse Aggregate (CA)	1314

Steel Reinf. in Footing's Pad (Kg's)		
Footing's	No's	Steel Reinf. (Kg's)
F1 - 6'00" x 8'00" (1.82 X 2.43)m	5	1866
F2 - 5'06" x 7'00" (1.68 X 2.13)m	1	168
F3 - 9'00" x 7'00" (2.74X 2.13)m	5	2691
F4 - Irregular shape (Area -19.07 m2)	1	1043
F5 - 7'00" x 15'06" (2.13X 4.72)m	1	553
F6 - Irregular shape (Area -13.49 m2)	1	818
F7 - Irregular shape (Area -13.49 m2)	1	493
<b>Total</b>		<b>7632</b>

**3" Gap**  
**As per site conditions**

**\*\*\*BACK\*\*\***

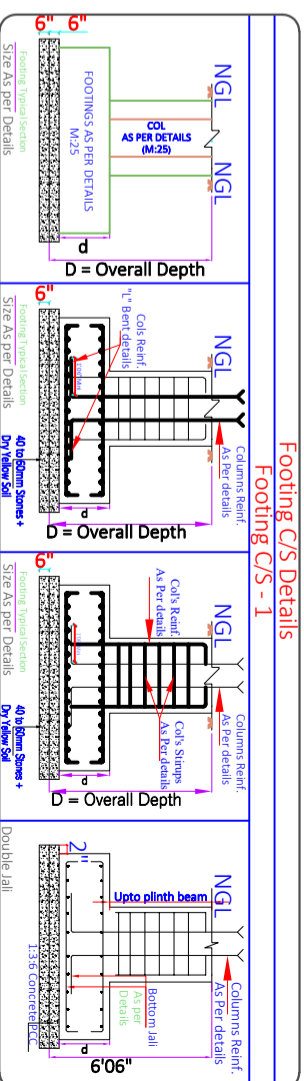
**LENGTH**

**WIDTH**

**\*\*\*FRONT\*\*\***

**Excavation Depth -6'06"**

1. Quantity of Excavation (M3)		Footing's Reinforcement Details		3. QTY OF Conc (M:30) in Footing's Pad (m3)									
Excavation till 6 or 1820 mm		Footing Nos	Size of footing	Conc Ratio	Reinf Along Length	Reinf Along Width	RCC (M:-30)	No	Len	B (m)	D (m)	Qty(m3)	T.DRY (m3)
F1 - 6'06" x 8'06"	5	198	2.59	1.83	47.00		F1 - 6'00" x 8'00" (1.82 X 2.43)m	5	1.83	2.44	0.58	13.00	
F2 - 6'00" x 7'06"	1	1.83	2.29	1.83	8.00		F2 - 5'06" x 7'00" (1.68 X 2.13)m	1	1.68	2.13	0.58	3.00	
F3 - 9'06" x 7'06"	5	2.90	2.29	1.83	61.00		F3 - 9'00" x 7'00 (2.74 X 2.13)m	5	2.74	2.13	0.61	18.00	
F4 - Irregular shape -215	1	20.00		1.83	61.00		F4 - Irregular shape (Area-19.07 m2)	1	19.07	0.58	6.00	12.00	
F5 - 7'06" x 16'00"	1	2.29	4.88	1.83	21.00		F5 - 7'00" x 15'06" (2.13 X 4.72)m	1	2.13	4.73	0.58	6.00	
F6 - Irregular shape -150	1	13.95		1.83	26.00		F6 - Irregular shape (Area -13.49 m2)	1	13.49	0.58	8.00	6.00	
F7 - Irregular shape -140	1	10.05		1.83	19.00		F7 - Irregular shape (Area-13.49 m2)	1	9.30	0.58	6.00	66.00	
		<b>Total Excavation M3</b>	<b>219.00</b>		<b>219.00</b>					<b>Add 5% Extra</b>		<b>70.00</b>	



**SITE NOTES**

IF ANY

22/02/2022 SCALE - NTS R-1 \*A3 PRINTS\*

SHEET - 7

FOOTING'S DETAILS

Mr. SUMIT JI

SHEET TITLE GOOD FOR CONSTRUCTION

Drw No	Drw Title	Drw Table	Archi Sign & Stamp	Structure Sign & Stamp
Drw - 1	FOOTING'S DETAILS		Archi Sign & Stamp	
Drw - 2	FOOTING'S C/S DETAILS		HRK_GFC	PM/Contractor Sign & Stamp
Drw - 3	QTY DETAILS		HRK_GFC	PM/Contractor Sign & Stamp

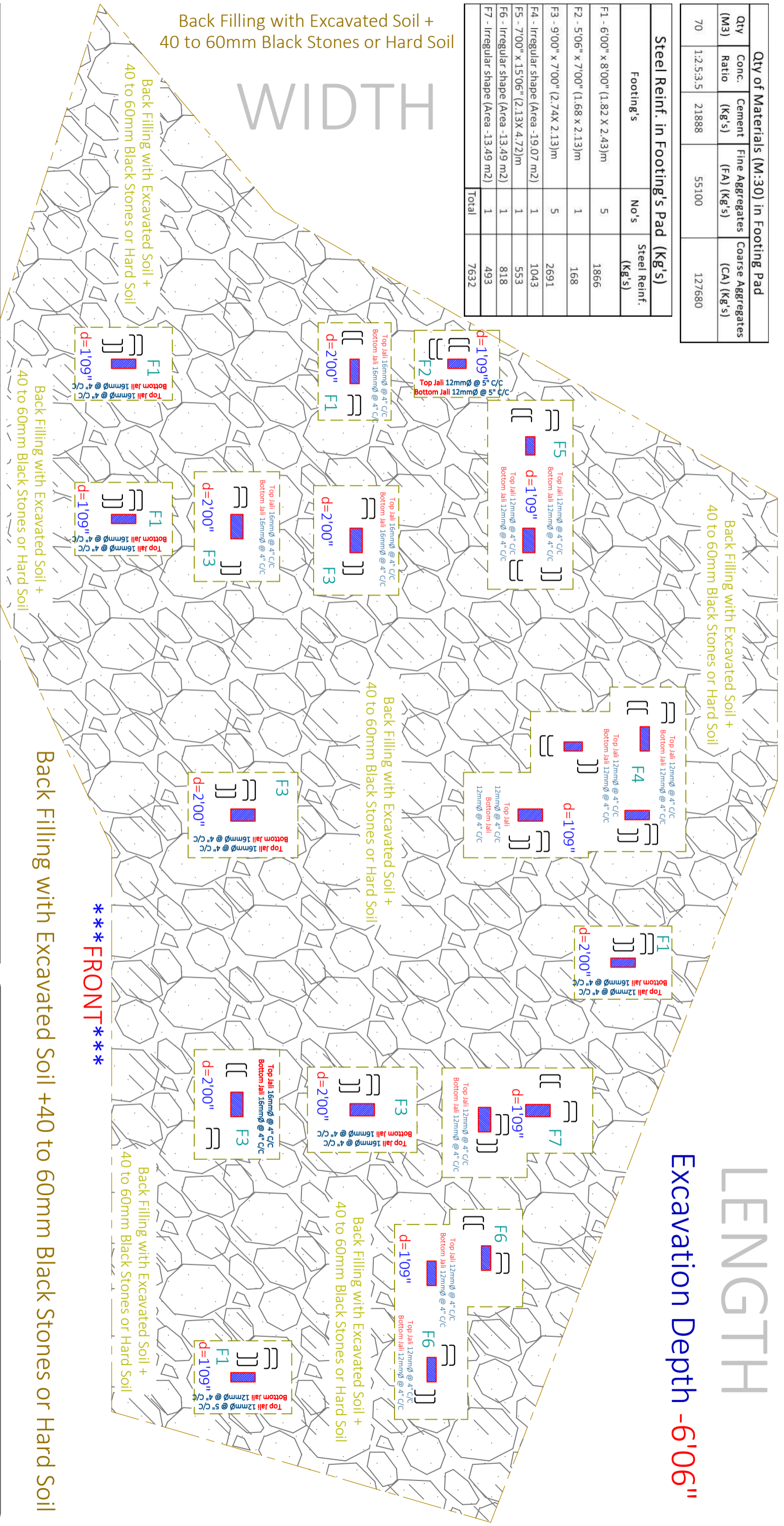
PROJECT BY:-  
Ar. SHWETA SHUKLA  
#228, Tricity Trade Tower, Adjacent Hotel Radisson, Patiala Road, Zirakpur (Punjab).  
+91-99151 39867 13decor.tpg@gmail.com

HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD  
24/4# AXIS ANTARA BEGUR-KOPPA OFF MAIN ROAD AKSHAYNAGAR BLR-560068

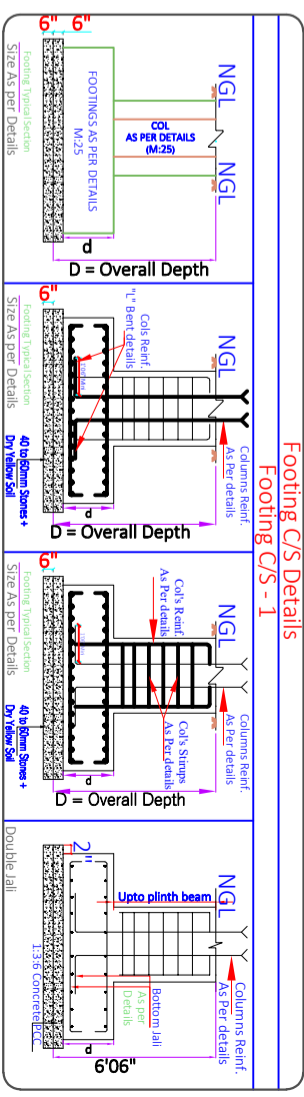


Qty of Materials (M:30) in Footing Pad				
Qty (M3)	Conc. Ratio	Cement (Kg's)	Fine Aggregates (FA) (Kg's)	Coarse Aggregates (CA) (Kg's)
70	1:2.5:3.5	21888	55100	127680

Steel Reinf. in Footing's Pad (Kg's)			
Footing's	No's	Steel Reinf. (Kg's)	
F1 - 6'00" x 8'00" (1.82 X 2.43)m	5	1866	
F2 - 5'06" x 7'00" (1.68 x 2.13)m	1	168	
F3 - 9'00" x 7'00" (2.74X 2.13)m	5	2691	
F4 - Irregular shape (Area -19.07 m2)	1	1043	
F5 - 7'00" x 15'06" (2.13X 4.72)m	1	553	
F6 - Irregular shape (Area -13.49 m2)	1	818	
F7 - Irregular shape (Area -13.49 m2)	1	493	
<b>Total</b>		<b>7632</b>	



1. Quantity of Excavation (M3)			
Excavation till 6 or 1823 mm	No's	Area (sq.m)	Volume (M3)
F1 - 6'06" x 8'06"	5	198	239
F2 - 6'00" x 7'06"	1	183	229
F3 - 9'06" x 7'06"	5	290	229
F4 - Irregular shape - 215 Sq Ft (20 Sq M)	1	20.00	183
F5 - 7'06" x 16'00"	1	229	4.88
F6 - Irregular shape - 150 Sq Ft (13.9 Sq M)	1	13.95	1.83
F7 - Irregular shape - 140 Sq Ft (13.0 Sq M)	1	10.05	1.83
<b>Total Excavation M3</b>			<b>219.00</b>



**SITE NOTES**  
IF ANY

**SCALE - NTS R-1 \*A3 PRINTS\***

**SHEET - 9**

**FOOTING'S DETAILS**

**Mr. SUMIT JI**

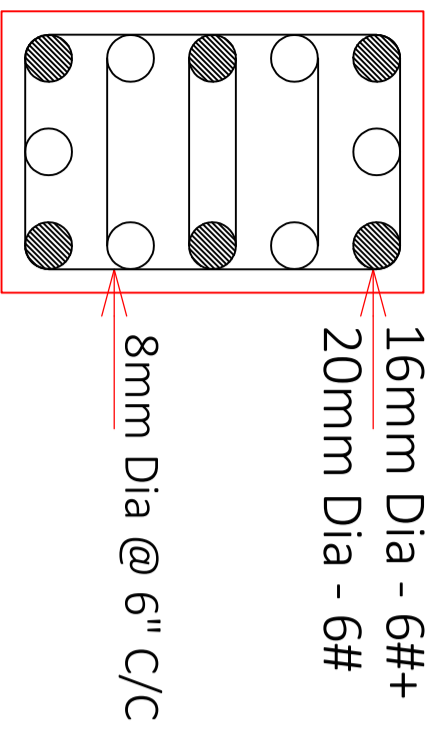
Drw No	Drw Title	Drw Table
Drw - 1	FOOTING'S DETAILS	Archi Sign & Stamp
Drw - 2	FOOTING'S C/S DETAILS	HRK GFC
Drw - 3	QTY DETAILS	PMC/Contractor Sign & Stamp

**PROJECT BY:-**  
**Ar. SHWETA SHUKLA**  
 #228, Tricity Trade Tower, Adjacent Hotel Radisson, Patiala Road, Zirakpur (Punjab).  
 +91-99151 39867 13decor.tpg@gmail.com

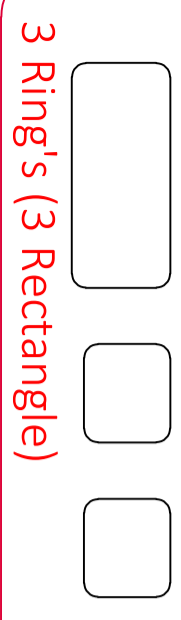
**CHK** **DRW** **PH**  
 HRK/A.:TPG/GFC/13/11  
 HRKD/13/02/22/2022

**HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD**  
 24/4# AXIS ANTARA BEGUR-KOPPA OFF MAIN ROAD AKSHAYNAGAR BLR-560068

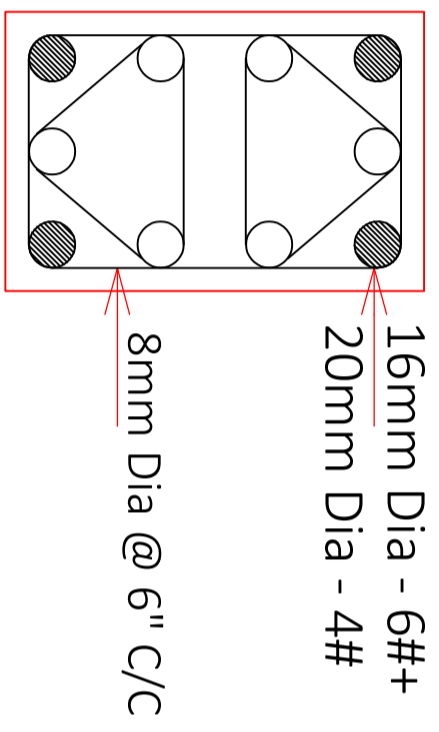
### C1 - 0'09" X 2'00"



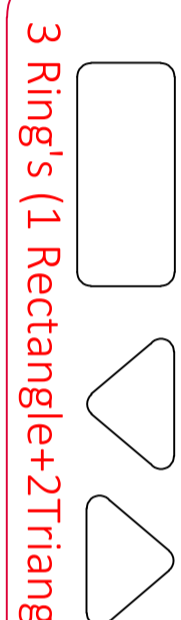
C1 - 0'09" X 2'00" - 2.20%



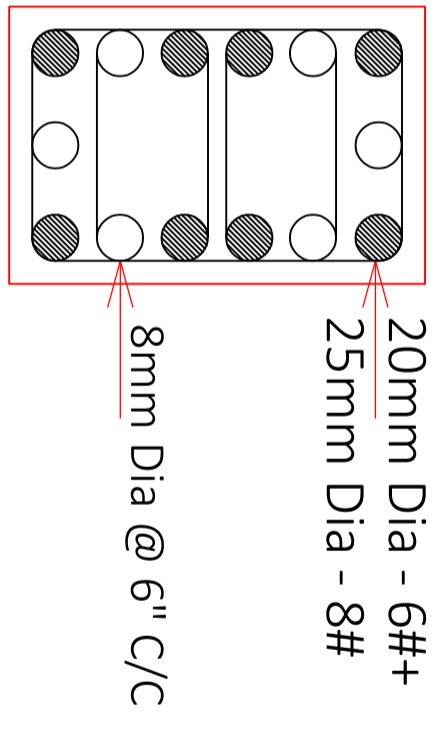
### C2 - 0'09" X 1'06"



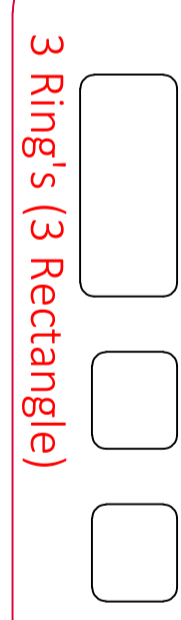
C2 - 0'09" X 1'06" - 2.35%



### C3 - 1'00" X 2'00"



C3 - 1'00" X 2'00" - 3.15%



Qty Of Conc in Col's upto Plinth Beam(PB) (M3)

Column	No	L (m)	B (m)	D (m)	Qty(m3)	T. Qty (m3)
C1-9"x2'00" (0.23 x 0.61)m	11	0.23	0.61	3.20	5.00	5.00
C2-9"x1'06" (0.23 x 0.46)m	3	0.23	0.46	3.20	2.00	2.00
C3-1'00"x2'00" (0.23 x 0.61)m	9	0.30	0.61	3.20	6.00	6.00
Total (M3)					13.00	13.00

### 19. Conc qty in FF Col's (M3)

Column	No	L (M)	B (M)	D (M)	Qty(M3)	T. Qty (M3)
C1-9"x2'00" (0.23 x 0.61)M	11	0.61	0.23	3.20	5.00	5.00
C2-9"x1'06" (0.23 x 0.46)M	3	0.46	0.23	3.20	2.00	2.00
C3-1'00"x2'00" (0.23 x 0.61)M	9	0.61	0.30	3.20	6.00	6.00
Total (M3)					13.00	13.00

12. Qty Of Conc In Col's For GF (M3)

Column	No	L (m)	B (m)	D (m)	Qty(m3)	T. Qty (m3)
C1-9"x2'00" (0.23 x 0.61)m	11	3.20	0.23	0.61	5.00	5.00
C2-9"x1'06" (0.23 x 0.46)m	3	3.20	0.23	0.46	2.00	2.00
C3-1'00"x2'00" (0.23 x 0.61)m	9	3.20	0.30	0.61	6.00	6.00
Total (M3)					13.00	13.00

### 26. Conc qty in SF Col's (M3)

Column	No	L (M)	B (M)	D (M)	Qty(M3)	T. Qty (M3)
C1-9"x2'00" (0.23 x 0.61)M	11	0.23	0.61	3.20	5.00	5.00
C2-9"x1'06" (0.23 x 0.46)M	3	0.23	0.46	3.20	2.00	2.00
C3-1'00"x2'00" (0.30 x 0.61)M	9	0.30	0.61	3.20	6.00	6.00
Total (M3)					13.00	13.00

Considering height of the building = 12' or 3.36m upto SF slab LVL

## Columns Details

Segregated Reinf. Bar's qty in Col's upto PB

Sr.No	Bar Dia $\phi$ -(mm)	Steel Reinf Qty For GF (Kg's)	Segregated Reinf. Bar's qty in FF Col's (Kg's)	Segregated Reinf. Bar's qty in SF Col's (Kg's)
1	16	1112.89	1	360.64
2	20	695.56	4	605.1
3	8mm @ 8" c/c	516.93	5	1485.75
Total		2326	6	3718

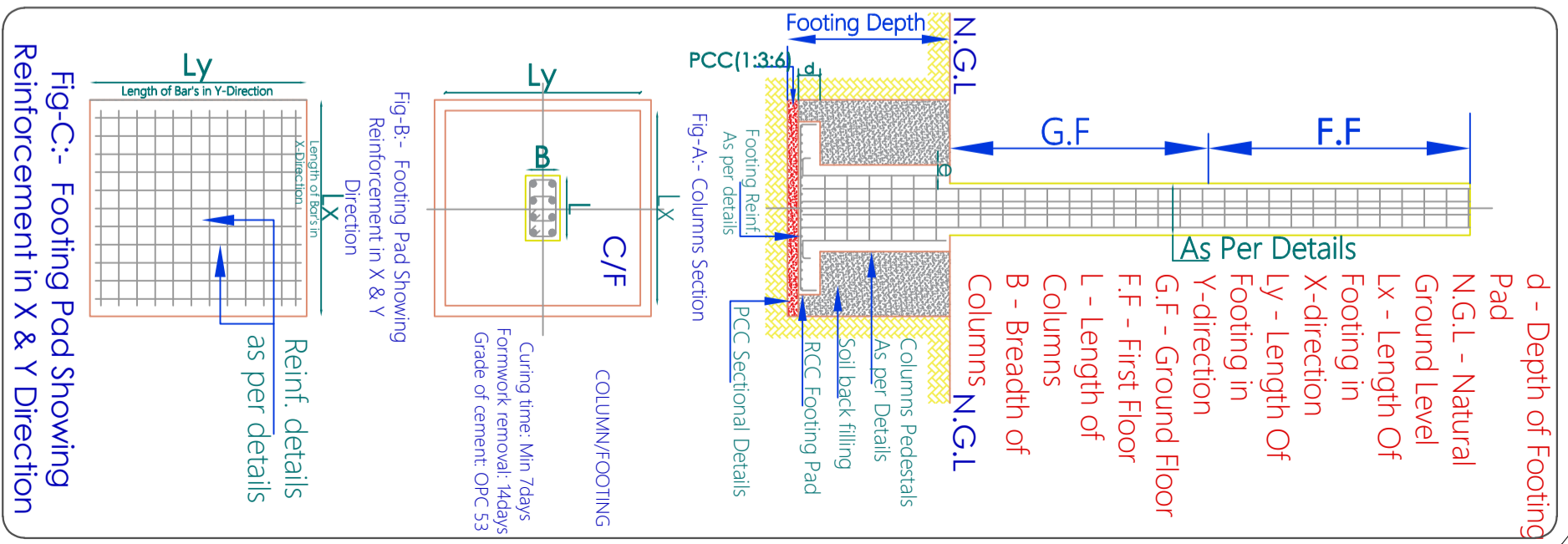
  

Segregated Reinf. Bar's qty in GF Col's

Sr.No	Bar Dia $\phi$ -(mm)	Steel Reinf Qty For GF (Kg's)
1	8	360.64
4	16	605.1
5	20	1485.75
25	25	1266.26
Total		3718

Segregated Reinf. Bar's qty in SF Col's

Sr.No	Bar Dia $\phi$ -(mm)	Steel Reinf Qty For GF (Kg's)
1	8	360.64
4	16	605.1
5	20	1485.75
25	25	1266.26
Total		3718



### SITE NOTES

IF ANY

22/02/2022 SCALE - NTS R-1 \*A3 PRINTS\*

SHEET - 10

COL'S C/S DETAILS

- LARGER DIA REINFORCEMENT BAR
- SMALLER DIA REINFORCEMENT BAR

SHEET TITLE GOOD FOR CONSTRUCTION

Drw No	Drw Table
Drw - 1	COL'S DETAILS
Drw - 2	COL'S C/S DETAILS UPTO SF LVL
Drw - 3	QTY DETAILS

Archi Sign & Stamp

HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD	HRK_GFC
24.2.2022	Structure Sign & Stamp

PROJECT BY:-  
Ar. SHWETA SHUKLA  
#228, Tricity Trade Tower, Adjacent Hotel Radisson, Patiala Road, Zirakpur (Punjab).  
+91-99151 39867 13decor.tpg@gmail.com

Mr. SUMIT JI

CHK	DRW
AKA	PH
HRK/A:-TPG/GFC/13/11	HRK/A:-TPG/GFC/13/11
HRKD/13/02/22/2022	HRK/A:-TPG/GFC/13/11

HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD  
24/4# AXIS ANTARA BEGUR-KOPPA OFF MAIN ROAD AKSHAYNAGAR BLR-560068  
+91-9343 01 1313  
HRK Designs

**C1 - 0'09" X 2'00"**

16mm Dia - 12#

8mm Dia @ 6" C/C

3 Rings (3 Rectangle)

**C2 - 0'09" X 1'06"**

16mm Dia - 10#

8mm Dia @ 6" C/C

3 Rings (1 Rectangle+2Triangle)

**C3 - 1'00" X 2'00"**

20mm Dia - 14#

8mm Dia @ 6" C/C

3 Rings (3 Rectangle)

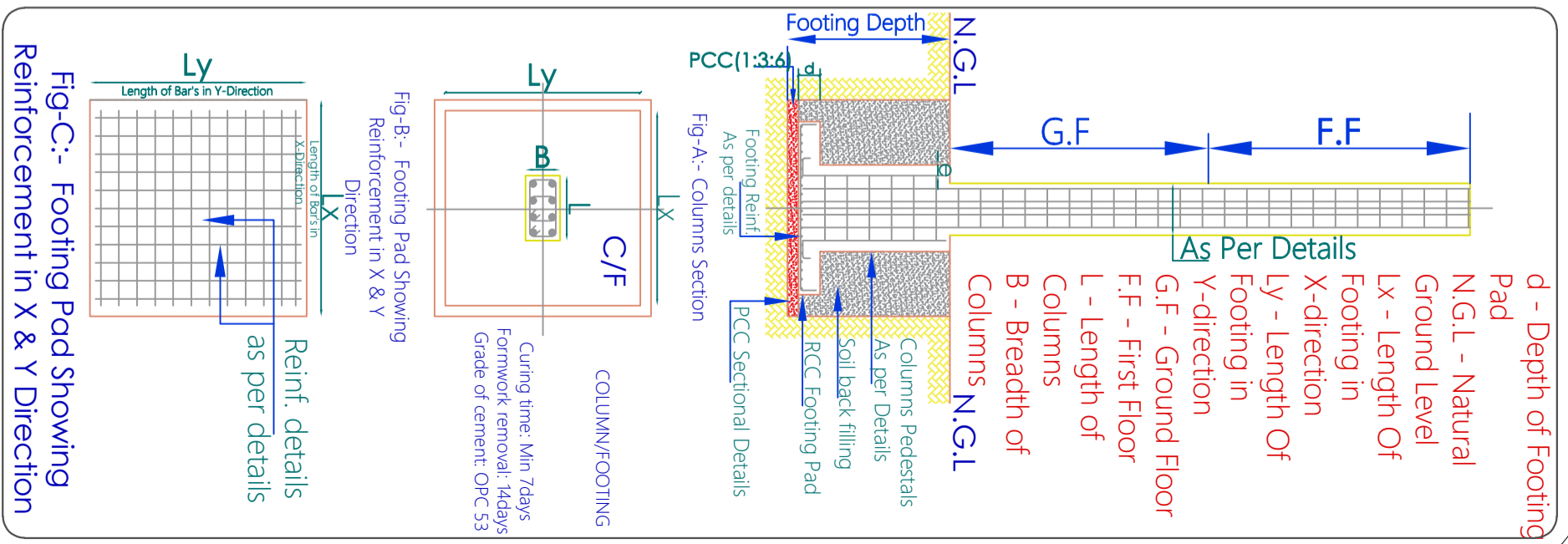
Column	L (M)	B (M)	D (M)	Qty(M3)	T.Qty (M3)
C1-9"x2'00" (0.23 x 0.61)M	0.23	0.61	3.20	5.00	
C2-9"x1'06" (0.23 x 0.46)M	0.23	0.46	3.20	2.00	
C3-1'00"x2'00" (0.30 x 0.61)M	0.30	0.61	3.20	6.00	
<b>Total</b>				<b>13.00</b>	

Seggregated Reinf.Bar's qty in TF Col's		
Sr.No	Bar Dia $\phi$ - (mm)	Steel Reinf Qty For GF (Kg's)
1	8	360.64
4	16	1166.99
5	20	1418.21
<b>Total</b>		<b>2946</b>

Considering height of the building = 12' or 3.36m

Columns Details above SF Slab LVL

- LARGER DIA REINFORCEMENT BAR
- SMALLER DIA REINFORCEMENT BAR



SITE NOTES  
 IF ANY

22/02/2022	SCALE - NTS R-1	*A3 PRINTS*	SHEET - 11
SHEET TITLE GOOD FOR CONSTRUCTION		Archi Sign & Stamp	PROJECT BY:-
Drw No	Drw Table	HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD	Ar. SHWETA SHUKLA
Drw - 1	COL'S DETAILS	HRK_GFC	#228, Tricity Trade Tower, Adjacent Hotel
Drw - 2	COL'S C/S DETAILS ABOVE SF LVL	HRK_GFC	Radisson, Patiala Road, Zirakpur (Punjab).
Drw - 3	QTY DETAILS	Structure Sign & Stamp	+91-99151 39867 13decor.tpg@gmail.com
CHK	DRW	AKA	PH
HRK/A:-TPG/GFC/13/11	HRKD/13/02/22/2022	HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD	24/4# AXIS ANTARA BEGUR-KOPPA OFF MAIN ROAD AKSHAYNAGAR BLR-560068

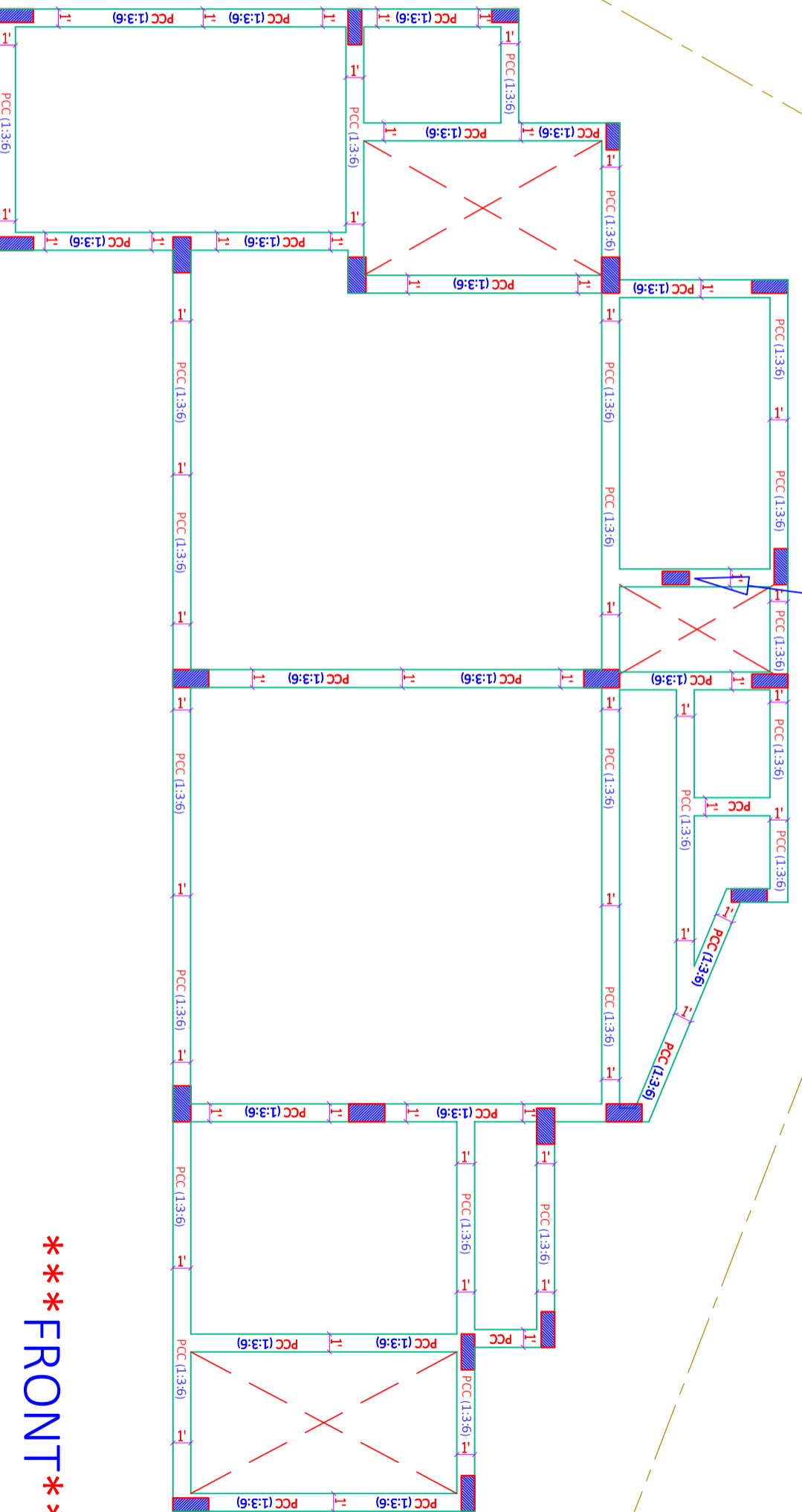
WIDTH

\*\*\*BACK\*\*\*

2" or 50mm

PCC BED all around

LENGTH



\*\*\*FRONT\*\*\*

\*\*\*FRONT\*\*\*

7. PCC Below Plinth Beam (PB) (M3)					
No	L (M)	B (M)	D (M)	Qty(M3)	T.Qty (M3)
1	140.85	0.31	0.15	6.44	
				Add 5% Extra	0.32
				Total PCC (1:3:6) for Footings Foundation	7.00

Qty Of Conc In Load bearing wall (LBW) below PB (M3)					
9"thk Load bearing wall below plinth	No	L (m)	B (m)	D (m)	Qty(M3)
Considering W = 9/720mm thk Wall	1	140.85	0.23	0.61	19.76
					10% Extra (includes waste)
					Total 9" thk LBW upto P.B (M3)
					22.00

8. Qty Of Conc in Plinth Beam (PB) (M3)					
No	L (M)	B (M)	D (M)	Qty(M3)	T.Qty (M3)
1	140.85	0.23	0.45	15.00	
				Add 5% Extra	0.75
				Total RCC (M-30)	16.00

SITE NOTES  
IF ANY

22/02/2022 SCALE - NTS R-1 \*A3 PRINTS\*

SHEET - 12

PCC LAYOUT & DETAILS

Mr. SUMIT JI

SHEET TITLE GOOD FOR CONSTRUCTION

Drw Table

Drw - 1 PCC PLAN & DETAILS

Drw - 2 QTY DETAILS

Drw - 3

Archi Sign & Stamp

HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD  
HRK\_GFC  
24.2.2022

Ar. SHWETA SHUKLA

#228, Tricity Trade Tower, Adjacent Hotel  
Radisson, Patiala Road, Zirakpur (Punjab).  
+91-99151 39867 13decor.tpg@gmail.com

PROJECT BY:-

CHK AKA

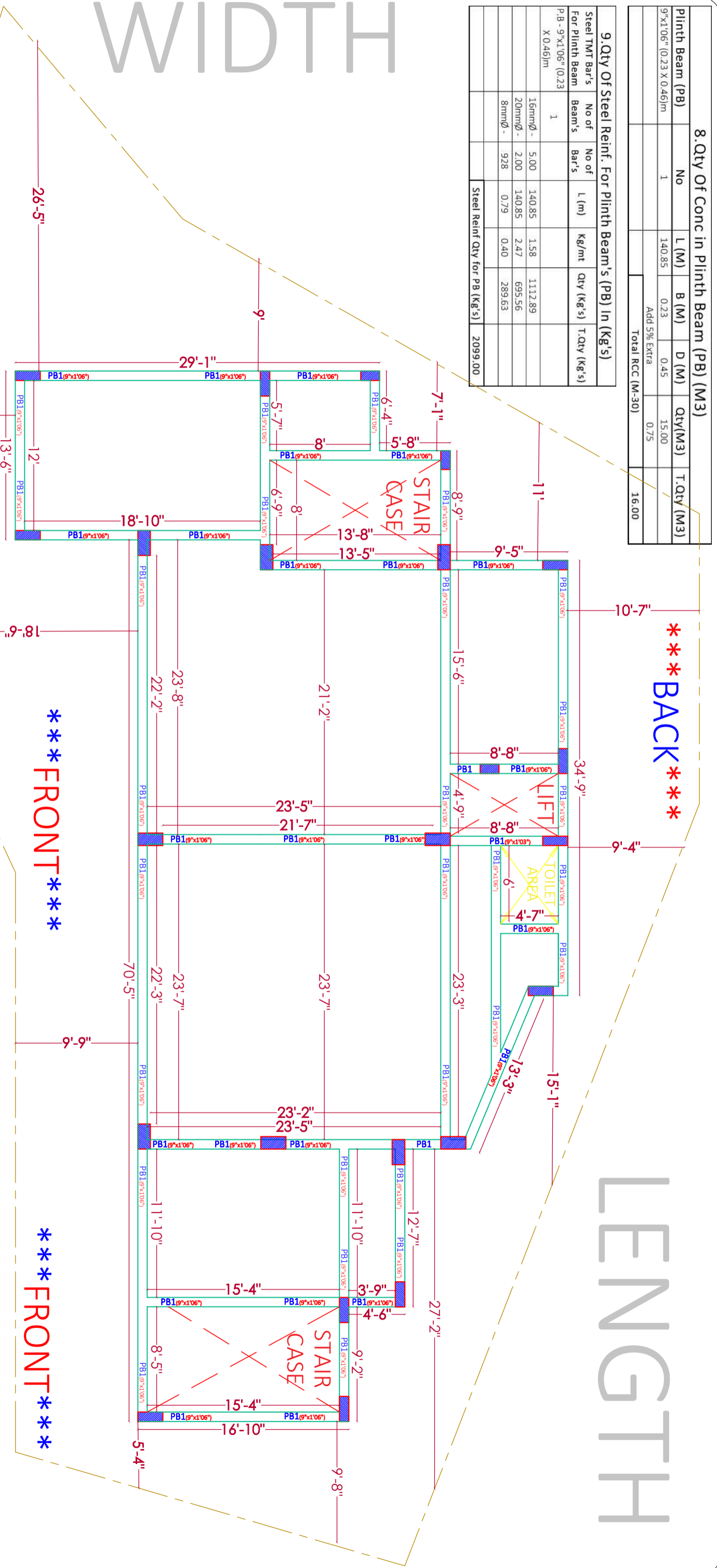
DRW PH

HRK/A.:TPG/GFC/13/11  
HRKD/13/02/22/2022

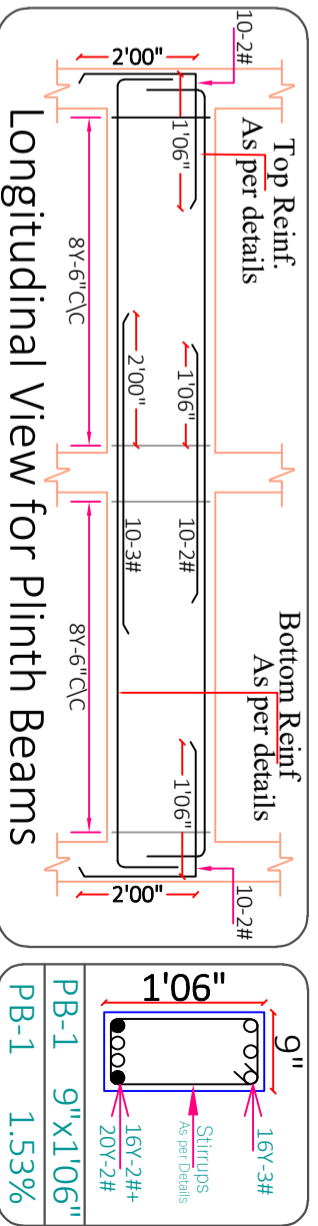
HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD  
24/4# AXIS ANTARA BEGUR-KORPA OFF MAIN ROAD AKSHAYNAGAR BLR-560068

8. Qty Of Conc in Plinth Beam (PB) (M3)					
Plinth Beam (PB)	No	L (M)	B (M)	D (M)	T. Qty (M3)
9"x1'06" (0.23 X 0.46)m	1	140.85	0.23	0.45	15.00
					Add 5% Extra
					0.75
					Total RCC (M-30)
					16.00

9. Qty Of Steel Reinf. For Plinth Beam's (PB) In (Kg's)						
Steel TMT Bar's For Plinth Beam	No of Bar's	No of Bar's	L (m)	Kg/mt	Qty (Kg's)	T. Qty (Kg's)
P.B - 9"x1'06" (0.23 X 0.46)m	1					
		16mm $\phi$ -	5.00	140.85	1.58	1112.89
		20mm $\phi$ -	2.00	140.85	2.47	695.56
		8mm $\phi$ -	928	0.79	0.40	289.63
					Steel Reinf Qty for PB (Kg's)	2099.00



Qty Of Conc In Load bearing wall (LBW) Below PB (M3)						
9" thk Load bearing wall below Plinth	No	L (m)	B (m)	D (m)	Qty (m3)	T. Qty (m3)
Considering W - 9"/230mm Thk Wall	1	140.85	0.23	0.61	19.76	
					10% Extra (includes waste)	1.98
					Total 9" thk LBW upto P.B (M3)	22.00



SITE NOTES  
IF ANY

22/02/2022 SCALE - NTS R-1 \*A3 PRINTS\* SHEET - 13

SHEET TITLE GOOD FOR CONSTRUCTION

Drw Table

Archi Sign & Stamp

PROJECT BY:-  
Ar. SHWETA SHUKLA

Drw No	Drw Title
Drw - 1	P.B PLAN
Drw - 2	PLINTH BEAM C/S DETAILS
Drw - 3	QTY DETAILS

Drw No	Drw Title
Drw - 1	P.B PLAN
Drw - 2	PLINTH BEAM C/S DETAILS
Drw - 3	QTY DETAILS

Archi Sign & Stamp  
HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD  
HRK\_GFC  
24.2.2022

CHK AKA PH  
DRW PH  
HRK/A.:TPG/GFC/13/11  
HRKD/13/02/22/2022  
HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD  
24/4# AXIS ANTARA BEGUR-KORPA OFF MAIN ROAD AKSHAYNAGAR BLR-560068

Sr.No	Description	Excavation till 6' or 1829 mm	1. Quantity of Excavation (M3)	
1	Qty of Excavation			
2	PCC qty in Footing's Foundation	F1 - 6'06" x 8'06"	1.98	2.59
3	Conc(M:3:0) (M3) in Footing Pad	F2 - 6'00" x 7'06"	1.83	2.29
4	Steel Reinf. in Col's upto PB	F3 - 9'06" x 7'06"	2.90	2.29
5	Footing's reinforcement details	F4 - Irregular shape - 215 Sq.Ft/205sq.Mt	20.00	1.83
6	Segregated Reinf Bar's	F5 - 7'06" x 16'00"	2.29	4.88
7	PCC qty below PB	F6 - Irregular shape - 150 Sq.Ft/13.9585sq.Mt	13.95	1.83
8	Conc (M:3:0) (M3) in PB	F7 - Irregular shape - 108 Sq.Ft/10.055sq.Mt	10.05	1.83
9	Steel Reinf. in PB			
10	Load Bearing Wall (LBW) below PB			
11	Anti-Termite qty below Plinth floor level			
			Total Excavation M3	219.00

2. Qty Of PCC (1:3:6) in Footing's Foundation (M3)	
PCC (1:3:6) d - 150 mm 2" or 50mm Extra has been considered on all around	
F1 - 6'04" x 8'04"	1.95
F2 - 5'10" x 7'04"	1.83
F3 - 9'04" x 7'04"	2.87
F4 - Irregular shape - 215 Sq.Ft/205sq.Mt	19.72
F5 - 7'04" x 15'10"	2.26
F6 - Irregular shape - 150 Sq.Ft/13.9585sq.Mt	13.95
F7 - Irregular shape - 108 Sq.Ft/10.055sq.Mt	10.05
	20.00
	1.00
	21.00

3. Qty Of Conc (M:3:0) in Footing's Pad (m3)					
RCC (M - 30)	No	L (m)	B (m)	D (m)	Qty(m3)
F1 - 6'00" x 8'00" (1.82 X 2.43)m	5	1.83	2.44	0.58	13.00
F2 - 5'06" x 7'00" (1.68 x 2.13)m	1	1.68	2.13	0.58	3.00
F3 - 9'00" x 7'00" (2.74 X 2.13)m	5	2.74	2.13	0.61	18.00
F4 - Irregular shape (Area -19.07 m <sup>2</sup> )	1	19.07	0.58	0.58	12.00
F5 - 7'00" x 15'06" (2.13 X 4.72)m	1	2.13	4.73	0.58	6.00
F6 - Irregular shape (Area -13.49 m <sup>2</sup> )	1	13.49	0.58	0.58	8.00
F7 - Irregular shape (Area -13.49 m <sup>2</sup> )	1	9.30	0.58	0.58	6.00
				Add 5% Extra	66.00
				RCC in Footing Pad (m3)	70.00

4. Qty of Conc & Steel Reinf. For Col's upto Plinth Beam (PB)							
Sr.No	Col's	No's	Col's Size	Conc Ratio upto PB	Conc Qty Upto P.B (m3)	Reinf. Bar	Steel Reinf. Qty Upto PB (Kg's)
1	C1	11	9" x 2'00" (0.23x0.61)m	M-30	2.00	16mmφ-6#	285.00
2	C2	3	9" x 1'06" (0.23x0.46)m	M-30	1.00	16mmφ-6#	78.00
3	C3	9	1'00" x 2'00" (0.23x0.46)m	M-30	2.00	8mmφ @6" C/C	14.00
						20mmφ-6#	364.00
						25mmφ-8#	759.00
						8mmφ @6" C/C	40.00
						Total (Kg's)	2124.00

5. Footing's Reinforcement Details					
Footing No's	Size of Footing	Conc Ratio	Reinf Along Length	Reinf Along Width	
F1	6'00" x 8'00" (1.82 x 2.43)m	M-30	Bi-16mmφ @ 4" C/C	Bi-16mmφ @ 4" C/C	
F2	5'06" x 7'00" (1.68 x 2.13)m	M-30	Ti-12mmφ @ 4" C/C	Bi-12mmφ @ 5" C/C	
F3	9'00" x 7'00" (2.74 x 2.13)m	M-30	Ti-12mmφ @ 4" C/C	Bi-12mmφ @ 5" C/C	
F4	Irregular shape (Area-19.07 m <sup>2</sup> )	M-30	Ti-12mmφ @ 4" C/C	Bi-12mmφ @ 4" C/C	
F5	7'00" x 15'06" (2.1 x 4.7)m	M-30	Ti-12mmφ @ 4" C/C	Bi-12mmφ @ 4" C/C	
F6	Irregular shape (Area-13.49 m <sup>2</sup> )	M-30	Bi-12mmφ @ 4" C/C	Bi-12mmφ @ 4" C/C	
F7	Irregular shape (Area-9.30 m <sup>2</sup> )	M-30	Bi-12mmφ @ 4" C/C	Bi-12mmφ @ 4" C/C	
			Ti - Top jali	Bi - Bottom jali	

7. PCC Below Plinth Beam (PB) (M3)					
PCC (1:3:6) below P.B	No	L (M)	B (M)	D (M)	Qty(M3)
	1	140.85	0.31	0.15	6.44
			Add 5% Extra		0.32
			Total PCC (1:3:6) for Footings Foundation		7.00

10. Qty Of Conc In Load bearing wall (LBW) Below PB (M3)					
9" thk Load bearing wall below Plinth Beam's	No	L (m)	B (m)	D (m)	Qty(m3)
Considering W - 9"/230mm Thk Wall	1	140.85	0.23	0.61	19.76
			10% Extra (includes waste)		1.98
			Total 9" thk LBW upto P.B (M3)		22.00

6. Segregated Reinf. Bar's		
Sr.No	Bar Dia Ø (mm)	Steel Reinf Qty Upto PB (Kg's)
1	8	112.00
2	16	363.00
3	20	890.00
4	25	759.00
Total		2124.00

8. Qty Of Conc in Plinth Beam (PB) (M3)					
Plinth Beam (PB)	No	L (M)	B (M)	D (M)	Qty(M3)
9"x1'06" (0.23 X 0.46)m	1	140.85	0.23	0.45	15.00
			Add 5% Extra		0.75
			Total RCC (M-30)		16.00

11. Anti-Termite Qty Below Plinth LVL (PL)					
Anti-Termite below PL considering 2" extra all around	No	L (m)	B (m)	D (m)	Qty(m3)
2910 Sq.Ft or 271 Sq.Mt	1	271.00	-	-	271.00
					Total Anti-Termite (M2)
					271.00

9. Qty Of Steel Reinf. For Plinth Beam's (PB) In (Kg's)					
Steel TMT Bar's For Plinth Beam	No of Beam's	No of Bar's	L (m)	Kg/mt	Qty (Kg's)
P.B - 9"x1'06" (0.23 X 0.46)m	1				
			16mmφ -	5.00	1112.89
			20mmφ -	2.00	695.56
			8mmφ -	928	289.63
					Steel Reinf Qty for PB (Kg's)
					2099.00

Total Qty of Conc & Steel in Footing's & Col's upto PB

SITE NOTES

IF ANY

22/02/2022 SCALE - NTS R-1 \*A3 PRINTS\*

SHEET - 14

QTY DETAILS OF COL'S & FOOTING UPTO PB

Mr. SUMIT JI

SHEET TITLE GOOD FOR CONSTRUCTION

Drw No QTY DETAILS

Drw - 1

Drw - 2

Drw - 3

Archi Sign & Stamp

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HRK\_GFC  
24.2.2022

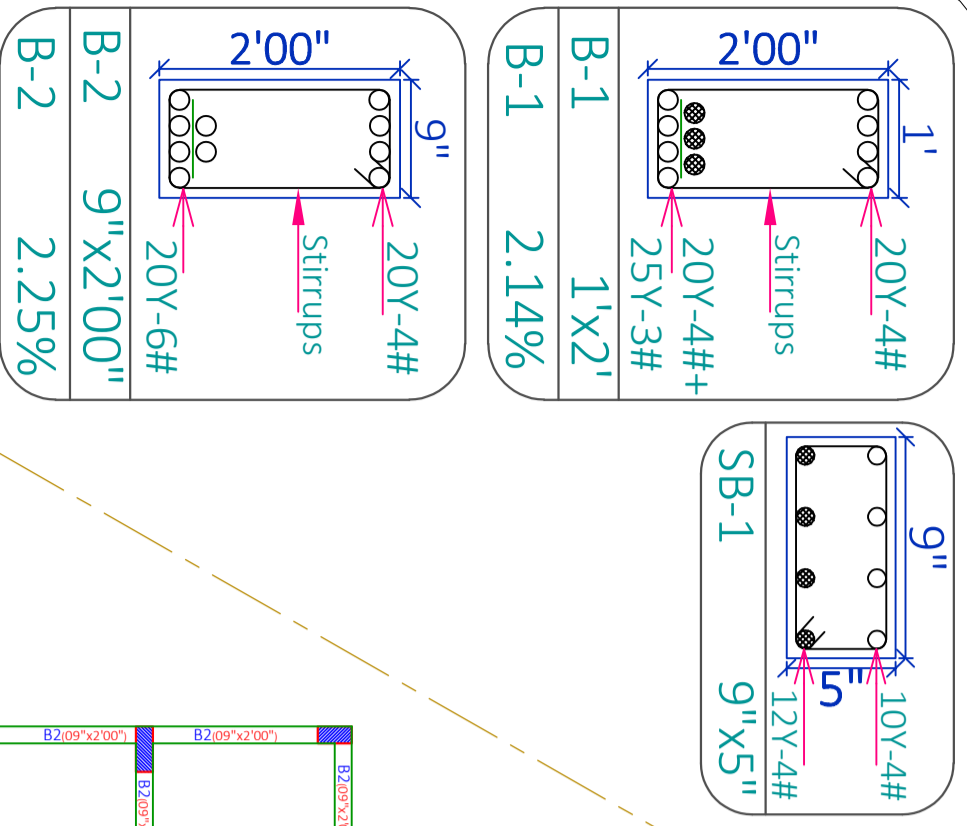
Ar. SHWETA SHUKLA  
#228, Tricity Trade Tower, Adjacent Hotel Radisson, Patiala Road, Zirakpur (Punjab).  
+91-99151 39867 13decor.tpg@gmail.com

PROJECT BY:-

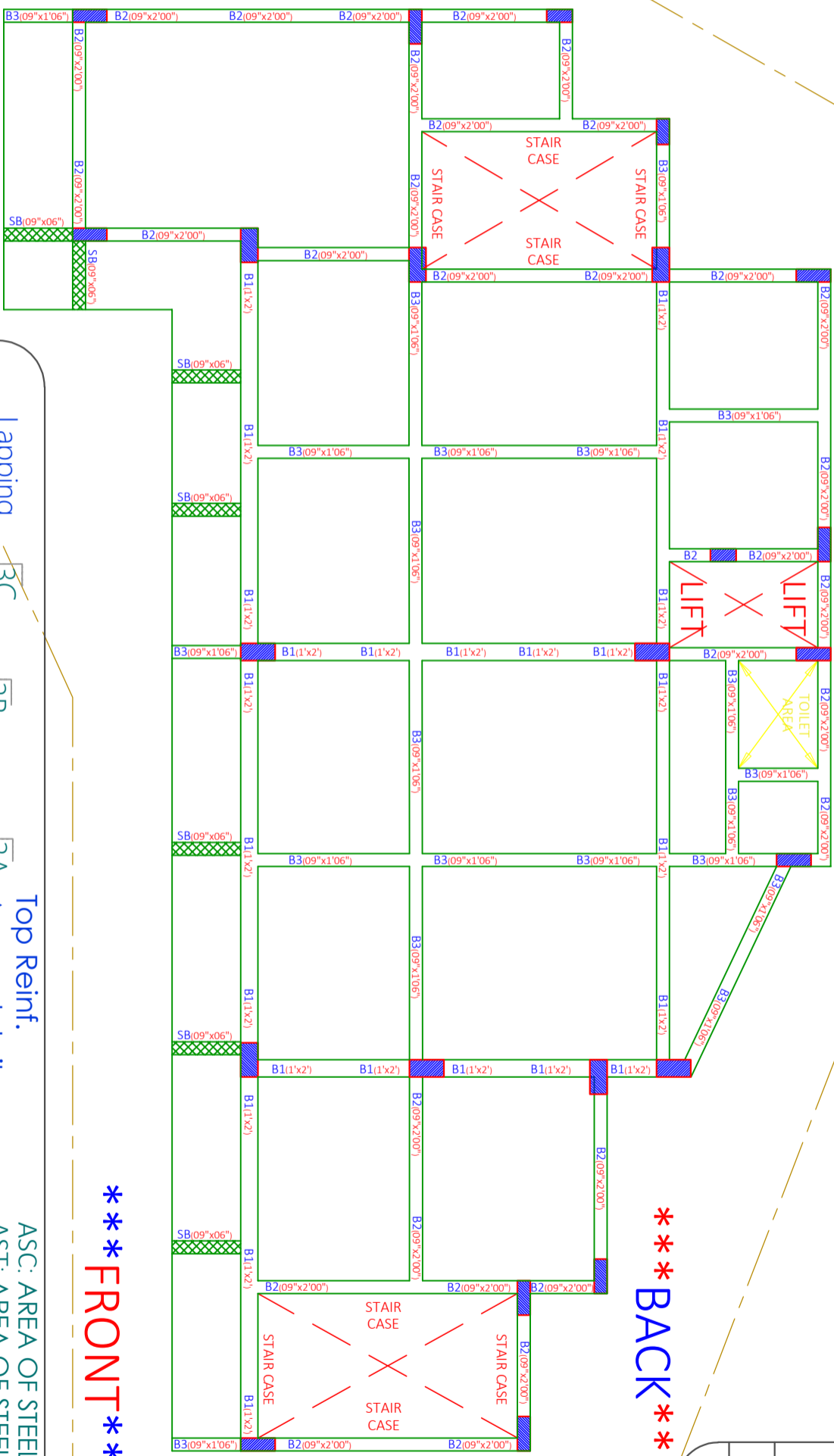
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DRW  
HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD  
24/4# AXIS ANTARA BEGUR-KOPPA OFF MAIN ROAD AKSHAYNAGAR BLR-560068

LENGTH

SITE NOTES  
IF ANY

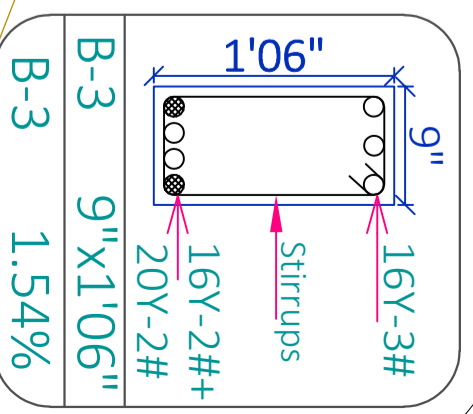


\*\*\* BACK \*\*\*



- LARGER DIA REINFORCEMENT BAR
- SMALLER DIA REINFORCEMENT BAR

\*\*\* BACK \*\*\*



\*\*\* FRONT \*\*\*

\*\*\* FRONT \*\*\*

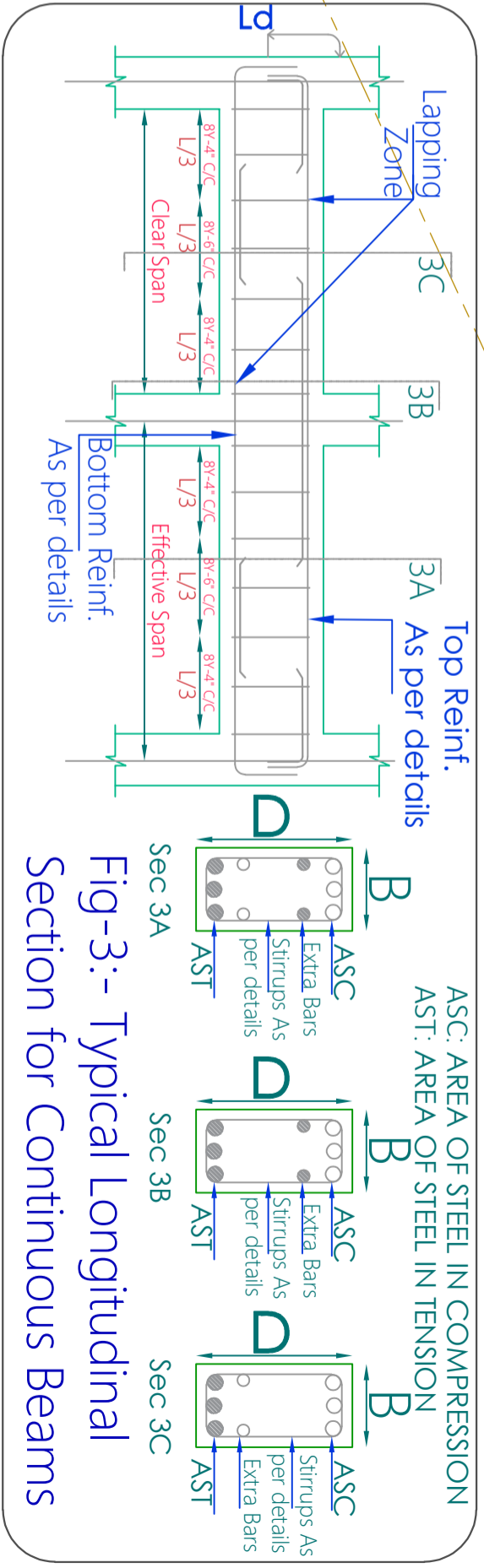


Fig-3:- Typical Longitudinal Section for Continuous Beams

WIDTH

22/02/2022 SCALE - NTS R-1 \*A3 PRINTS\* SHEET - 15

SHEET TITLE GOOD FOR CONSTRUCTION

GF BEAMS & DETAILS

Mr. SUMIT JI

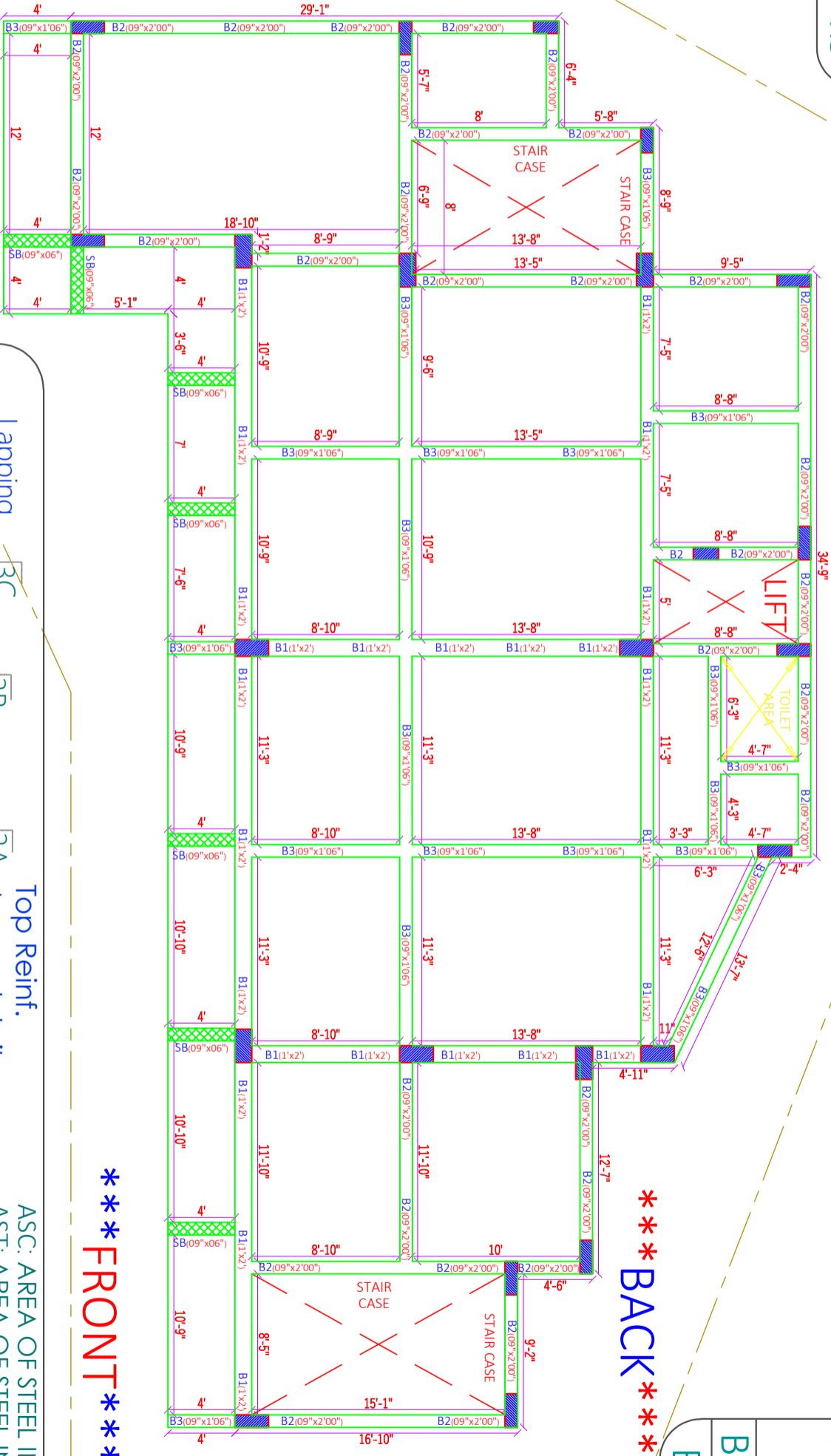
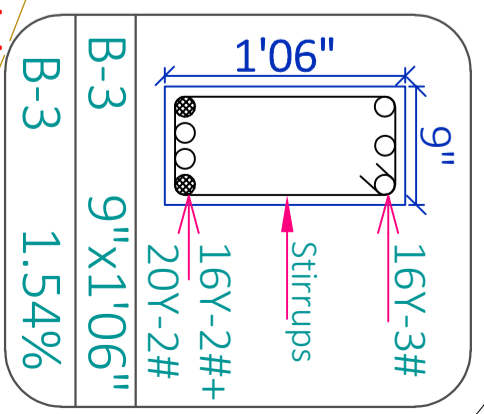
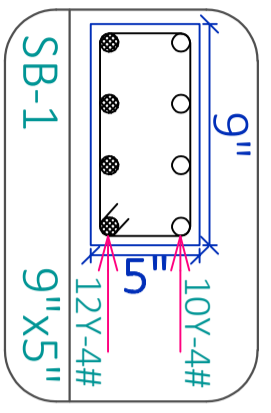
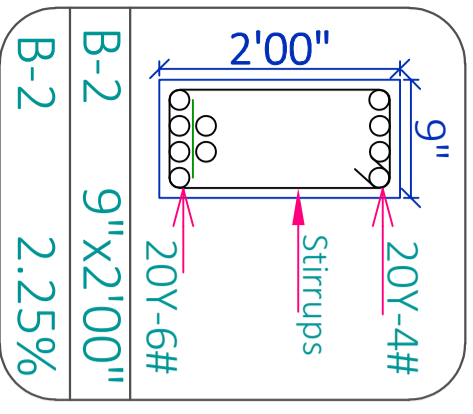
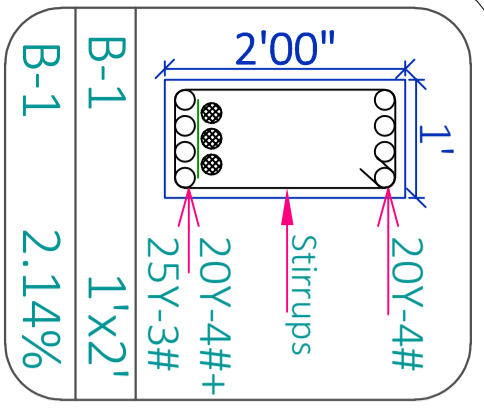
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Drw - 2	GF BEAMS PLAN & DETAILS
Drw - 3	GF BEAMS C/S DETAILS

Archi Sign & Stamp  
HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD  
HRK\_GFC  
24.2.2022

PROJECT BY:-  
Ar. SHWETA SHUKLA  
#228, Tricity Trade Tower, Adjacent Hotel  
Raddisson, Patiala Road, Zirakpur (Punjab).  
+91-99151 39867 13decor.tpg@gmail.com

CHK AKA PH  
DRW HRK/A:TPG/GFC/13/11  
HRKD/13/02/22/2022





\*\*\* BACK \*\*\*

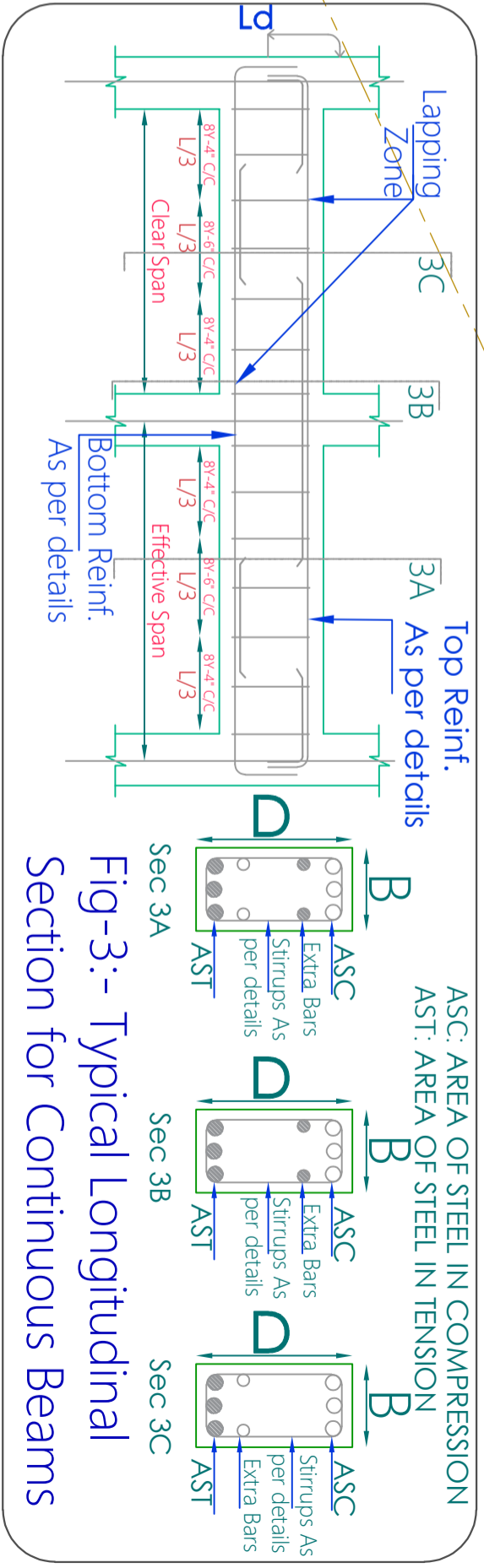
\*\*\* BACK \*\*\*

\*\*\* FRONT \*\*\*

\*\*\* FRONT \*\*\*

LENGTH

WIDTH



SITE NOTES  
IF ANY

22/02/2022 SCALE - NTS R-1 \*A3 PRINTS\*  
SHEET TITLE GOOD FOR CONSTRUCTION

SHEET - 16

GF BEAMS & DETAILS

Mr. SUMIT JI

Drw No	Drw Title	Drw Table
Drw - 1	GF BEAMS LAYOUT	Archi Sign & Stamp
Drw - 2	GF BEAMS PLAN & DETAILS	HRK_GFC
Drw - 3	GF BEAMS C/S DETAILS	Structure Sign & Stamp

Archi Sign & Stamp  
HRK\_GFC  
24.2.2022

PROJECT BY:-  
Ar. SHWETA SHUKLA  
#228, Tricity Trade Tower, Adjacent Hotel  
Raddisson, Patiala Road, Zirakpur (Punjab).  
+91-99151 39867 13decor.tpg@gmail.com

CHK AKA  
DRW PH  
HRK/A:TPG/GFC/13/11  
HRKD/13/02/22/2022

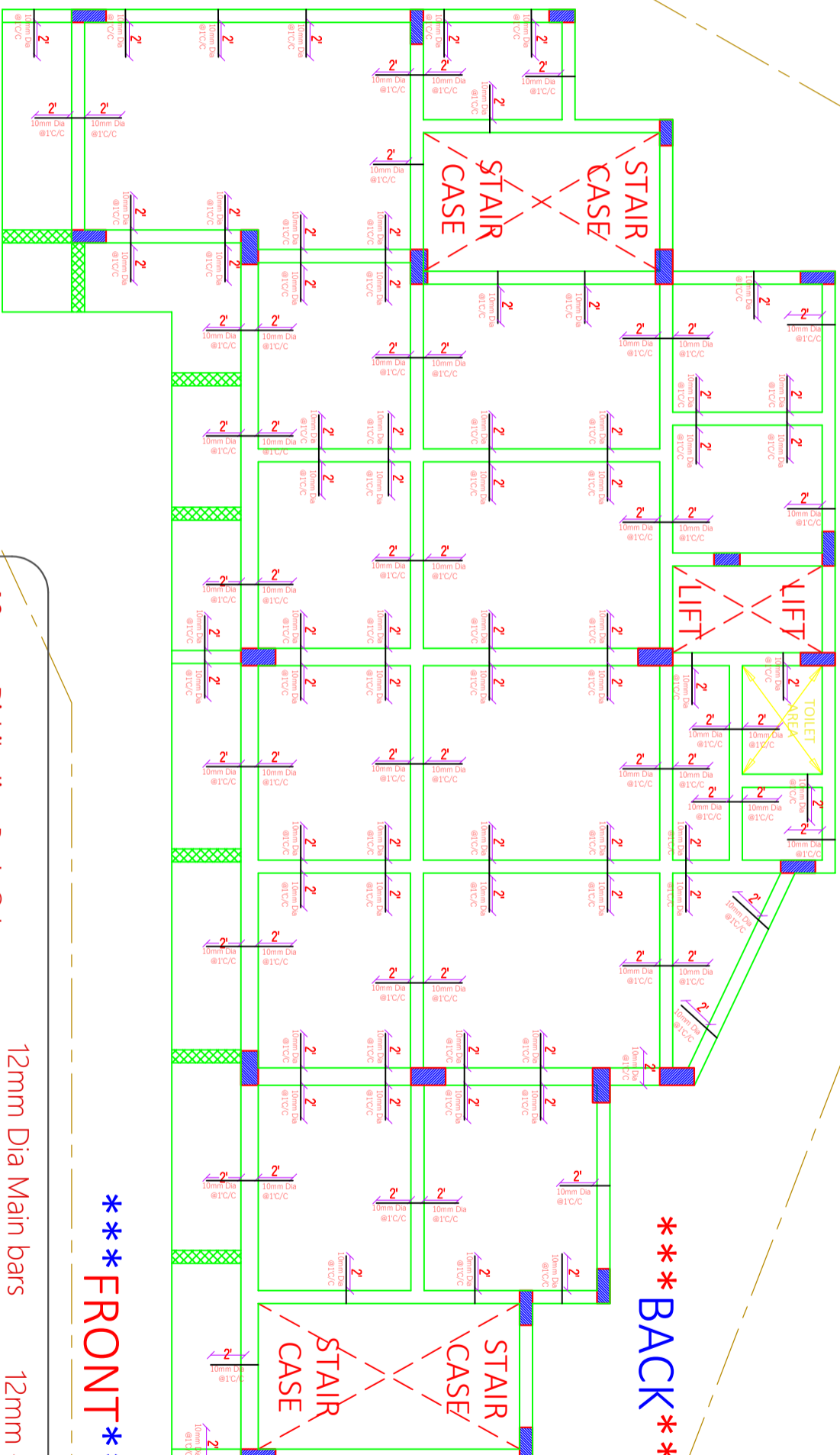


**10mm Dia Extra bars @ 1' C/C (Junctions & Ends)**

**\*\*\*BACK\*\*\***

**LENGTH**

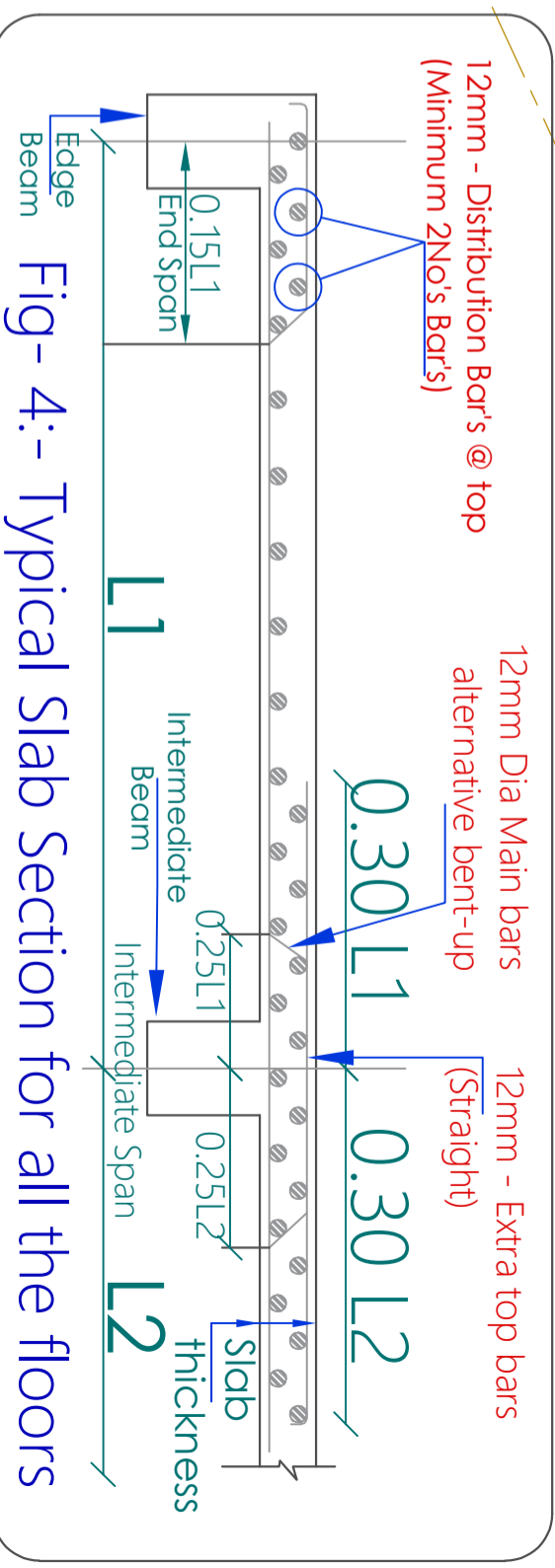
**WIDTH**



**Slab Thickness = 6"**  
**8mm Dia Bent-up bars @ 8" C/C**  
**8mm Dia Straight bars @ 8" C/C**

**\*\*\*FRONT\*\*\***

**\*\*\*FRONT\*\*\***



SITE NOTES  
IF ANY

22/02/2022 SCALE - NTS R-1 \*A3 PRINTS\*  
SHEET TITLE GOOD FOR CONSTRUCTION

SHEET - 17

GF SLAB & DETAILS

Mr. SUMIT JI

Drw No	Drw Title	Drw No	Drw Title
Drw - 1	GF SLAB LAYOUT	Drw - 2	GF SLAB C/S DETAILS
Drw - 3	QTY DETAILS		

Archi Sign & Stamp  
HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD  
HRK\_GFC  
24.2.2022

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Ar. SHWETA SHUKLA  
#228, Tricity Trade Tower, Adjacent Hotel  
Raddisson, Patiala Road, Zirakpur (Punjab).  
+91-99151 39867 13decor.tpg@gmail.com

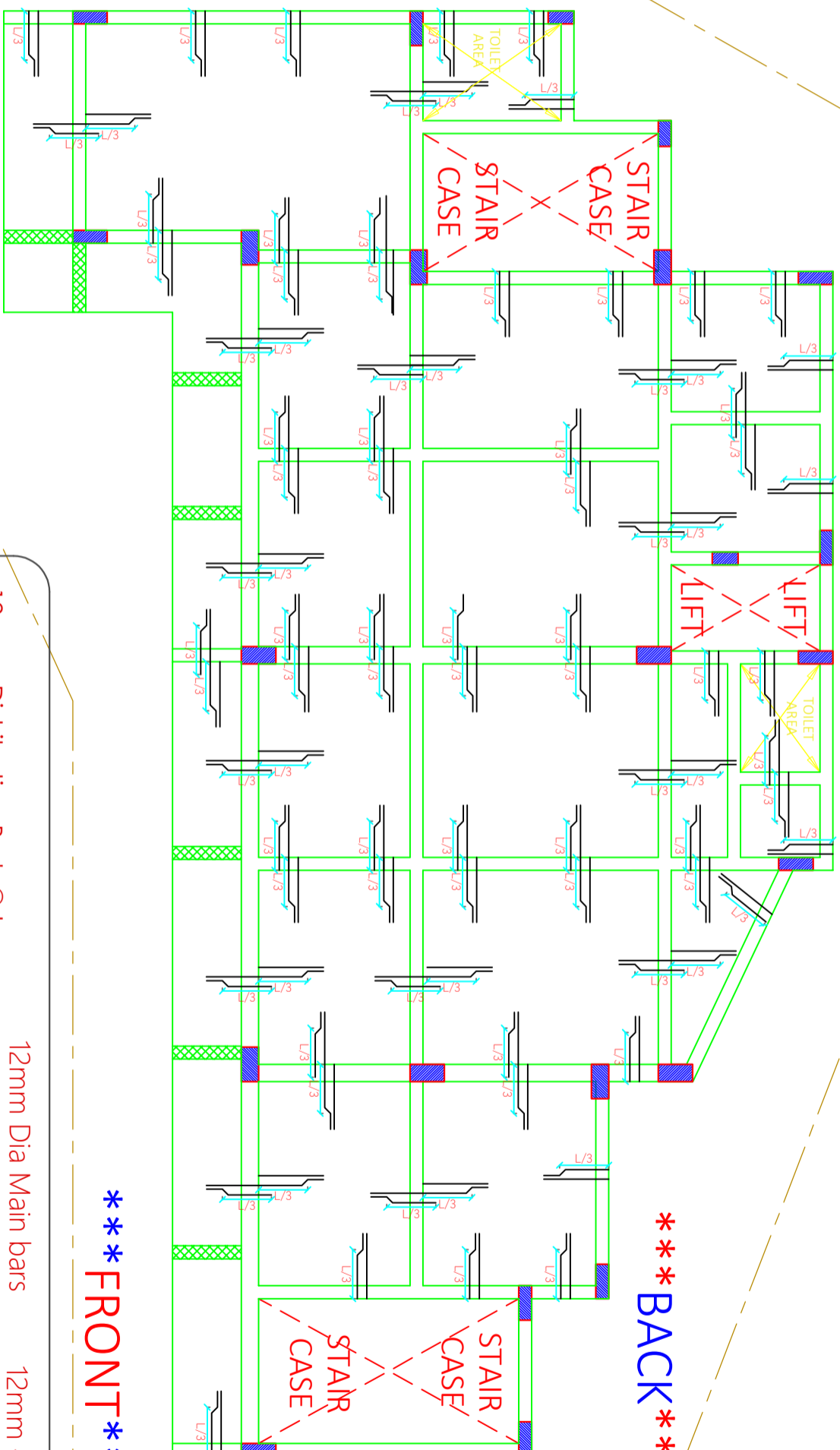
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HRK/A: .TPG/GFC/13/11  
HRKD/13/02/22/2022  
HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD  
24/4# AXIS ANTARA  
BEGLUR-KOOPA OFF  
MAIN ROAD  
AKSHAYNAGAR  
BLR-560068

10mm Dia Extra bars @ 1' C/C (Junctions & Ends)

\*\*\*BACK\*\*\*

LENGTH

WIDTH



\*\*\*FRONT\*\*\*

\*\*\*FRONT\*\*\*

Slab Thickness = 6"  
 8mm Dia Bent-up bars @ 8" C/C  
 8mm Dia Straight bars @ 8" C/C

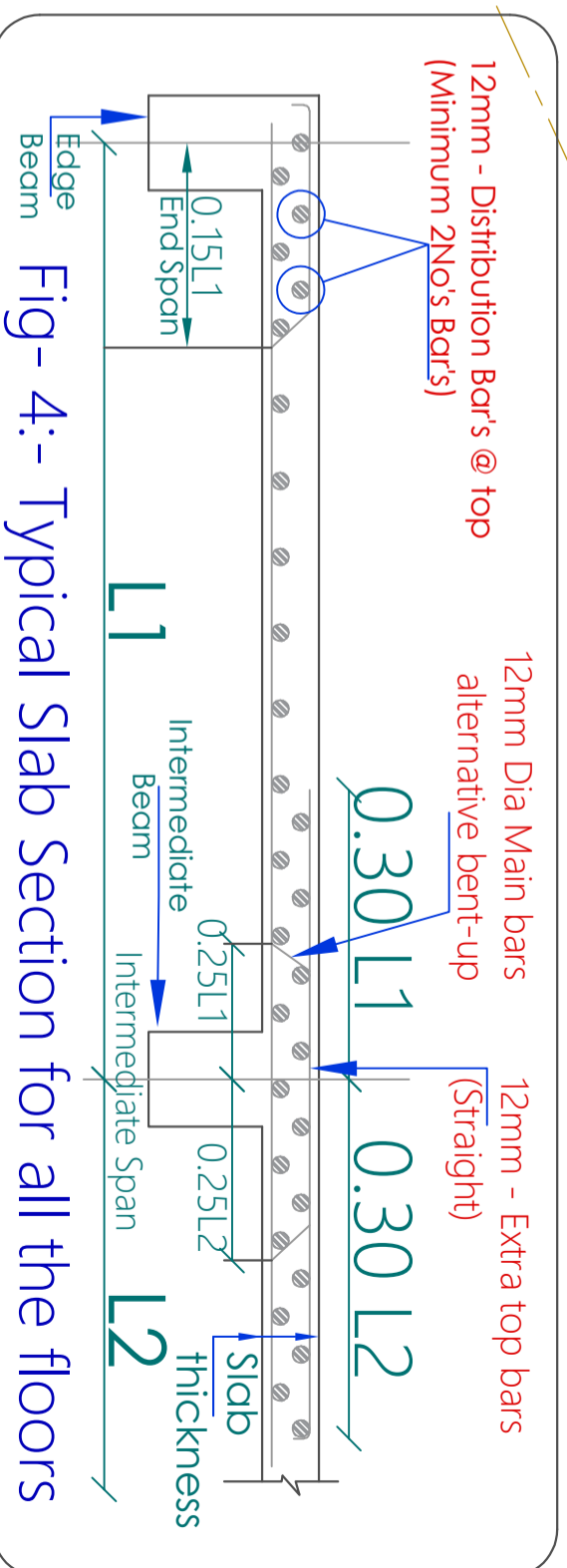


Fig-4:- Typical Slab Section for all the floors

SITE NOTES  
 IF ANY

22/02/2022 SCALE - NTS R-1 \*A3 PRINTS\*  
 SHEET TITLE GOOD FOR CONSTRUCTION

SHEET - 18

GF SLAB & DETAILS

Mr. SUMIT JI

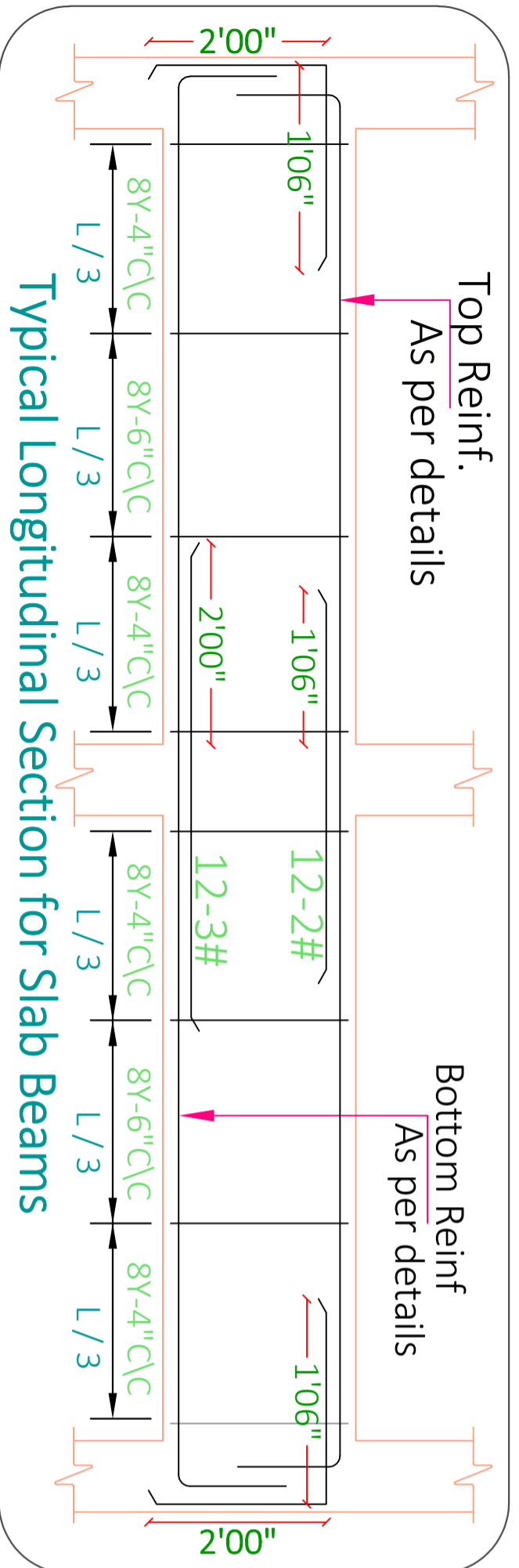
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Drw - 2	GF SLAB C/S DETAILS	
Drw - 3	QTY DETAILS	

Archi Sign & Stamp	HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD HRK_GFC 24.2.2022
Structure Sign & Stamp	PMC/Contractor Sign & Stamp

PROJECT BY:-  
 Ar. SHWETA SHUKLA  
 #228, Tricity Trade Tower, Adjacent Hotel  
 Radisson, Patiala Road, Zirakpur (Punjab).  
 +91-99151 39867 13decor.tpg@gmail.com

CHK	DRW
AKA	PH
HRK/A: .TPG/GFC/13/11	HRKD/13/02/22/2022

HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD  
 24/4# AXIS ANTARA  
 BEGUR-KOPPA OFF  
 MAIN ROAD  
 AKSHAYNAGAR  
 BLR-560068  
 +91-9343 01 1313  
 HRK Designs



Typical Longitudinal Section for Slab Beams

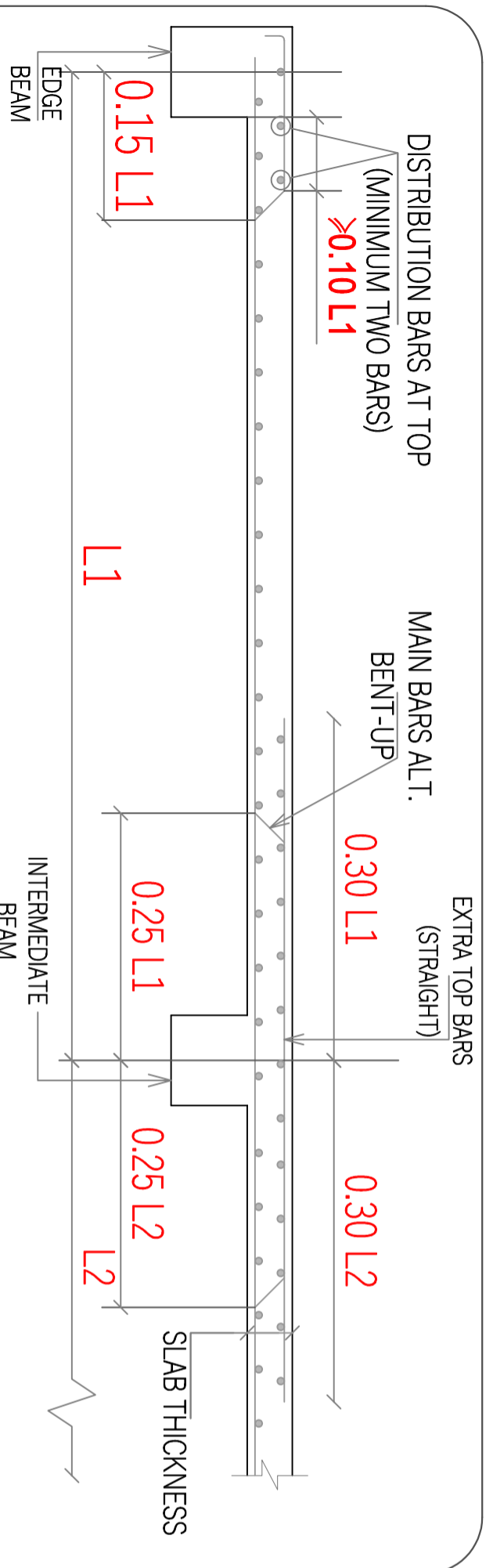


Figure - 4

Typical Slab Section for all the floors

**8mm** Dia Bent-up bars @ 8" C/C  
**8mm** Dia Straight bars @ 8" C/C  
**10mm** Dia Extra bars @ 1' C/C (Junctions & Ends)

**Slab Thickness = 6"**

B-1	2.14%	1'x2'	20Y-4##+ 25Y-3#	2'00"	1'	20Y-4#	Stirrups
B-2	2.25%	9"x2'00"	20Y-6#	2'00"	9"	20Y-4#	Stirrups
B-3	1.54%	9"x1'06"	16Y-2##+ 20Y-2#	1'06"	9"	16Y-3#	Stirrups
SB-1		9"x5"	12Y-4#	5"	9"	10Y-4#	Stirrups

- LARGER DIA REINFORCEMENT BAR
- SMALLER DIA REINFORCEMENT BAR

SITE NOTES  
IF ANY

22/02/2022 SCALE - NTS R-1 \*A3 PRINTS\*  
SHEET TITLE GOOD FOR CONSTRUCTION

SHEET - 19

GF BEAM & SLAB DETAILS

Mr. SUMIT JI

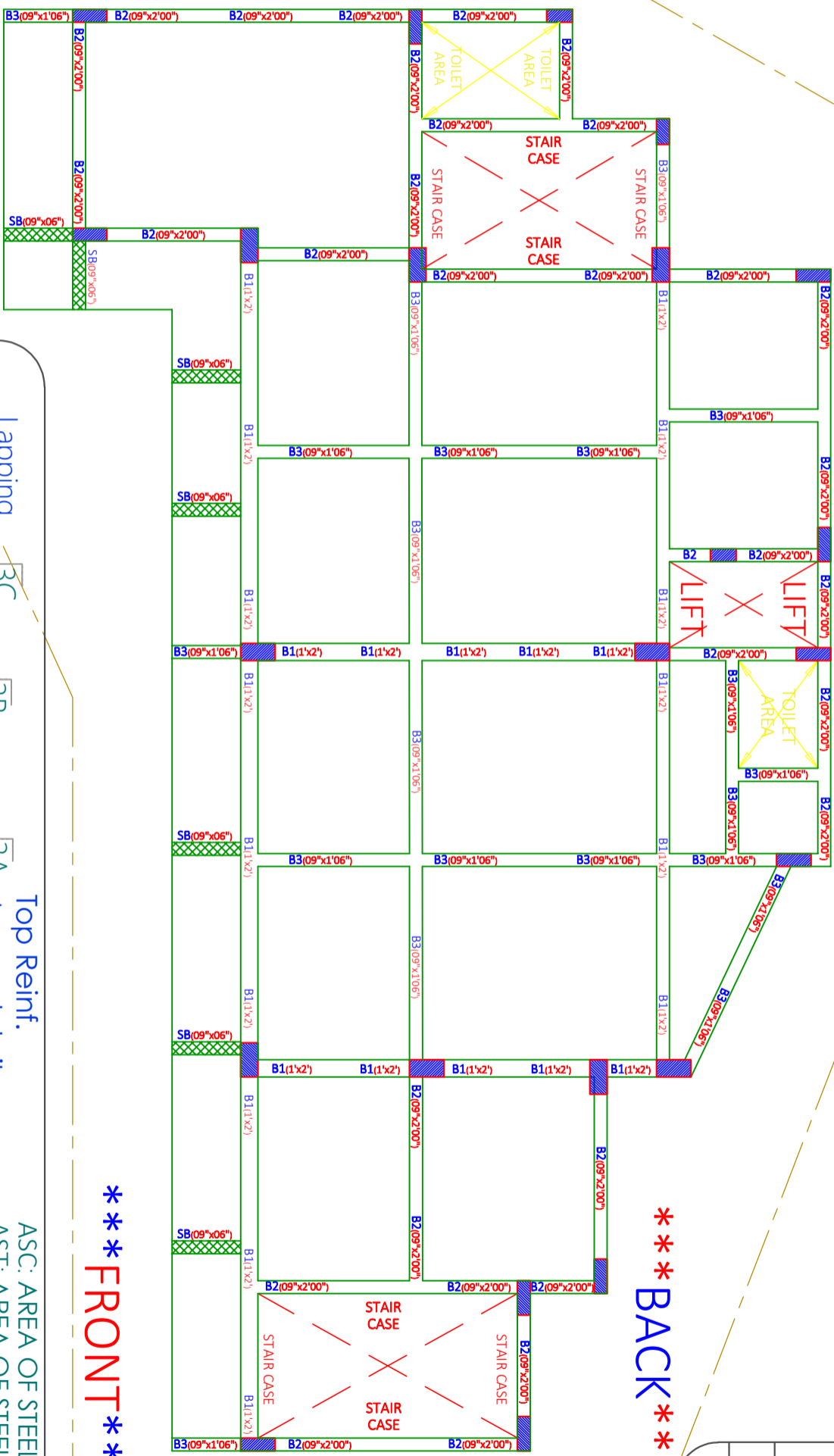
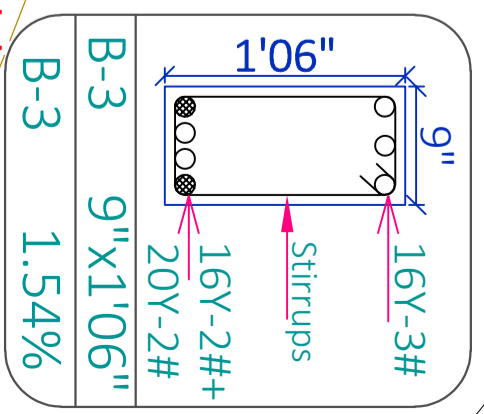
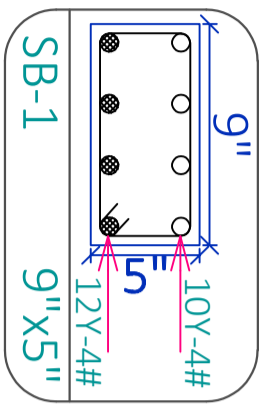
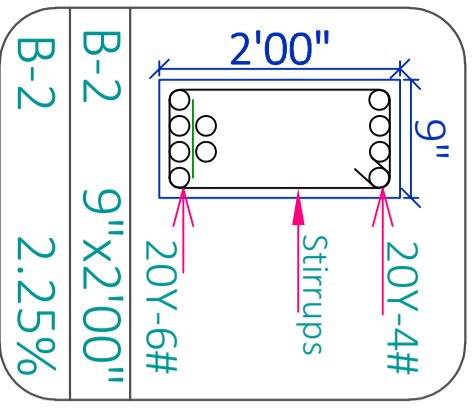
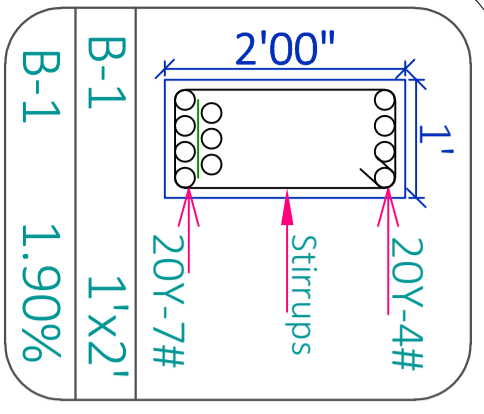
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Drw - 2	GF BEAMS & SLAB C/S DETAILS
Drw - 3	

Archi Sign & Stamp	Structure Sign & Stamp
HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD	HRK_GFC
24.2.2022	24.2.2022

PROJECT BY:-  
Ar. SHWETA SHUKLA  
#228, Tricity Trade Tower, Adjacent Hotel  
Radisson, Patiala Road, Zirakpur (Punjab).  
+91-99151 39867 13decor.tpg@gmail.com

CHK	DRW	AKA	PH
HRK/Ar.:TPG/GFC/13/11	HRK/Ar.:TPG/GFC/13/11	HRK/Ar.:TPG/GFC/13/11	HRK/Ar.:TPG/GFC/13/11
HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD	HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD	HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD	HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD

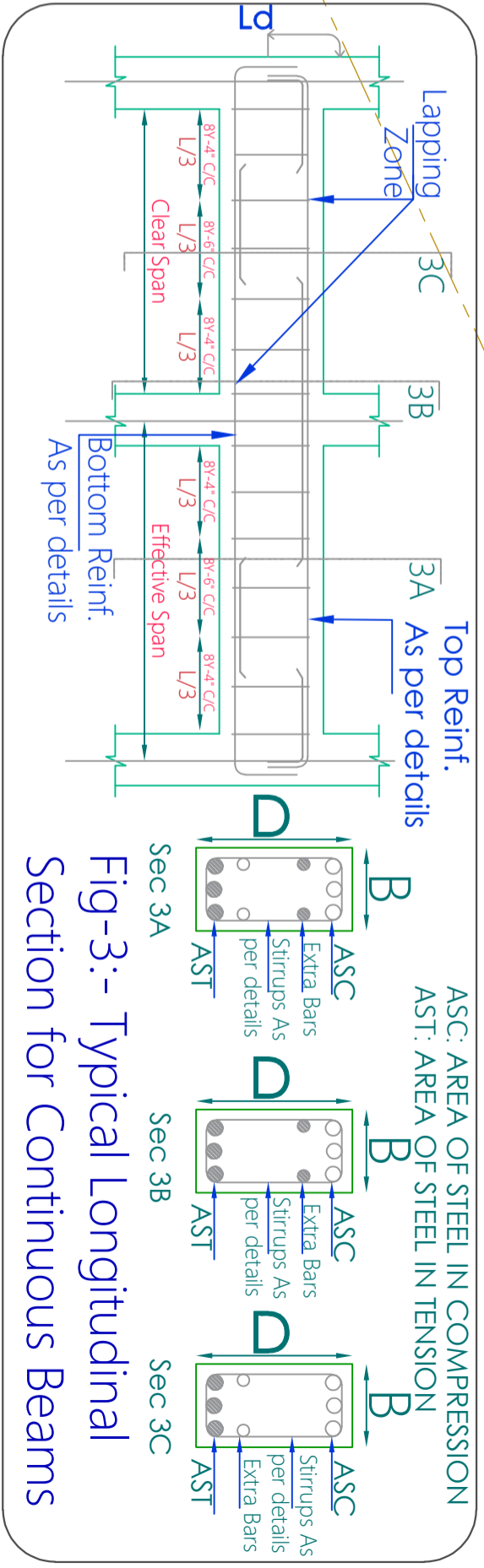




- LARGER DIA REINFORCEMENT BAR
- SMALLER DIA REINFORCEMENT BAR

LENGTH

WIDTH



SITE NOTES  
IF ANY

22/02/2022 SCALE - NTS R-1 \*A3 PRINTS\*  
SHEET TITLE GOOD FOR CONSTRUCTION

SHEET - 21

FF BEAMS & DETAILS

Mr. SUMIT JI

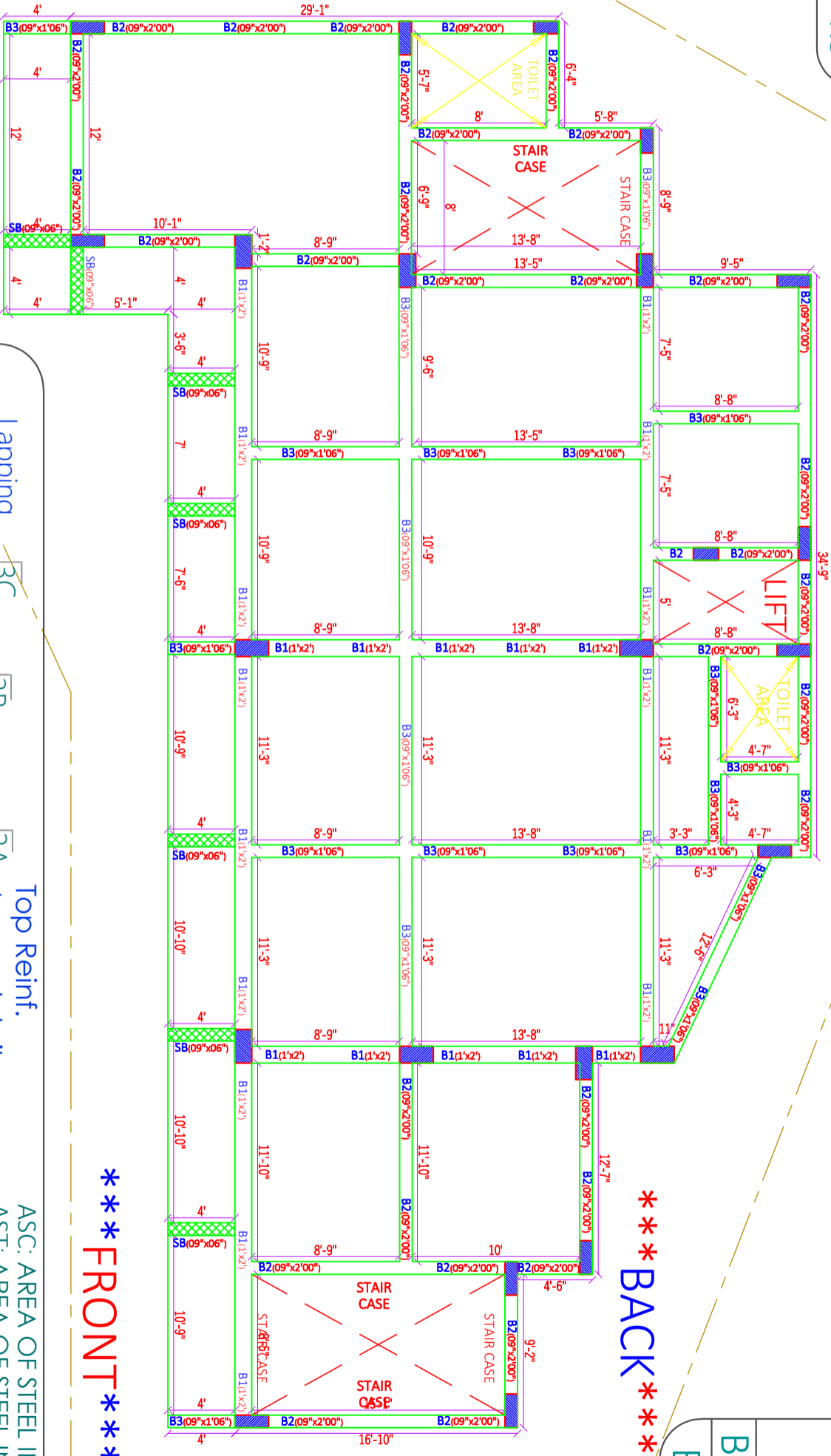
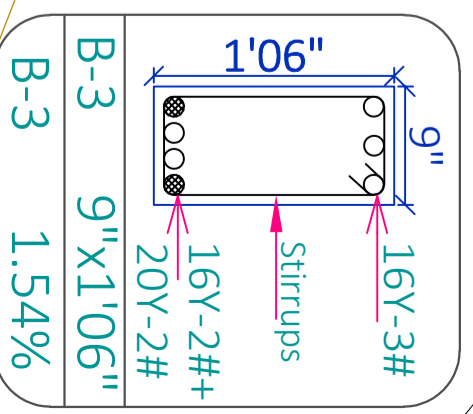
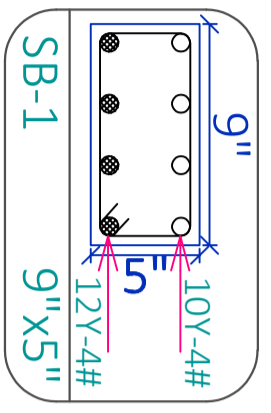
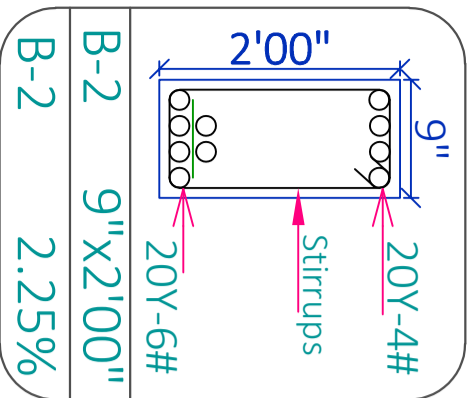
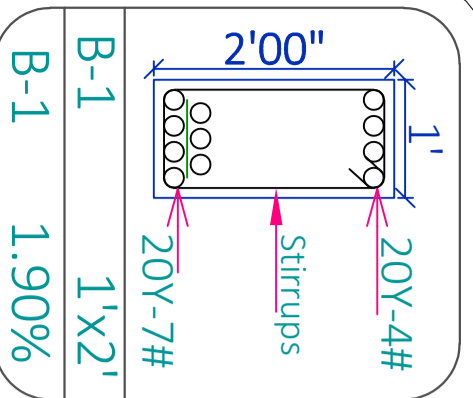
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Drw - 1	FF BEAMS LAYOUT
Drw - 2	FF BEAMS PLAN & DETAILS
Drw - 3	FF BEAMS C/S DETAILS

Archi Sign & Stamp  
HRK\_GFC  
24.2.2022

PROJECT BY:-  
Ar. SHWETA SHUKLA  
#228, Tricity Trade Tower, Adjacent Hotel  
Raddisson, Patiala Road, Zirakpur (Punjab).  
+91-99151 39867 13decor.tpg@gmail.com

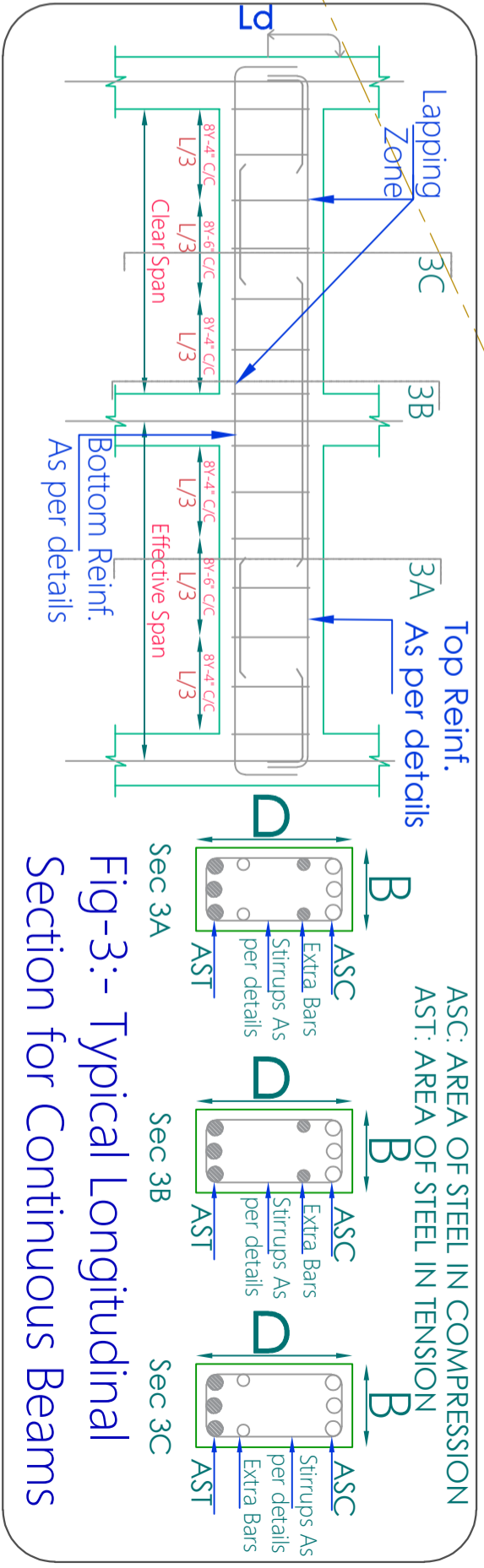
CHK AKA  
DRW PH  
HRK/A: TPG/GFC/13/11  
HRKD/13/02/22/2022





LENGTH

WIDTH



SITE NOTES  
IF ANY

22/02/2022 SCALE - NTS R-1 \*A3 PRINTS\*  
SHEET TITLE GOOD FOR CONSTRUCTION

SHEET -22

FF BEAMS & DETAILS

Mr. SUMIT JI

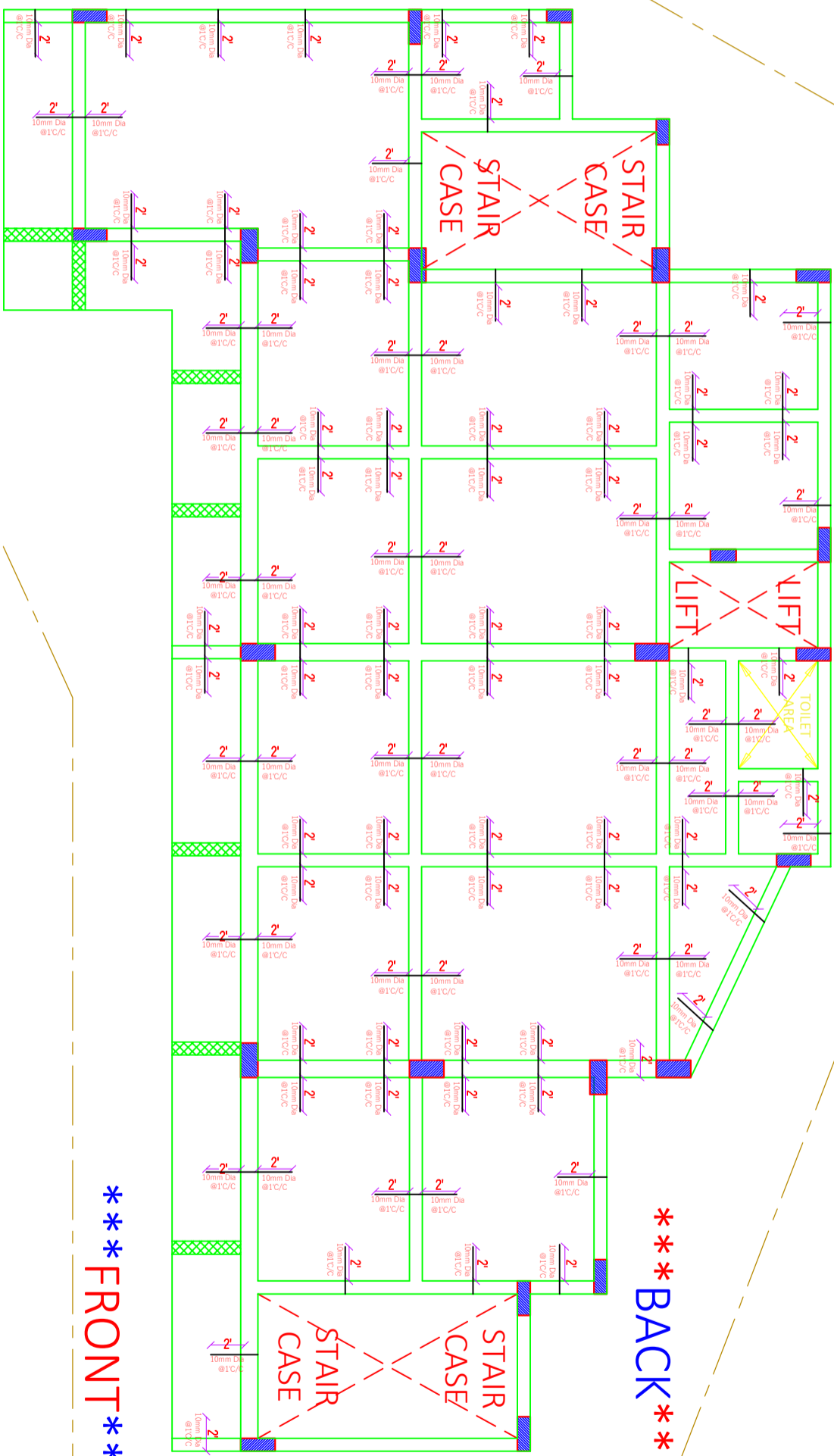
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Drw - 1	FF BEAMS LAYOUT	Archi Sign & Stamp
Drw - 2	FF BEAMS PLAN & DETAILS	HRK_GFC
Drw - 3	FF BEAMS C/S DETAILS	HRK_GFC

Archi Sign & Stamp  
HRK\_GFC  
24.2.2022

PROJECT BY:-  
Ar. SHWETA SHUKLA  
#228, Tricity Trade Tower, Adjacent Hotel  
Raddisson, Patiala Road, Zirakpur (Punjab).  
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CHK AKA PH  
DRW HRK/A:TPG/GFC/13/11  
HRKD/13/02/22/2022





**\*\*\*FRONT\*\*\***

**Slab Thickness = 6"**

**8mm Dia Bent-up bars @ 8" C/C**

**8mm Dia Straight bars @ 8" C/C**

**10mm Dia Extra bars @ 1' C/C (Junctions & Ends)**

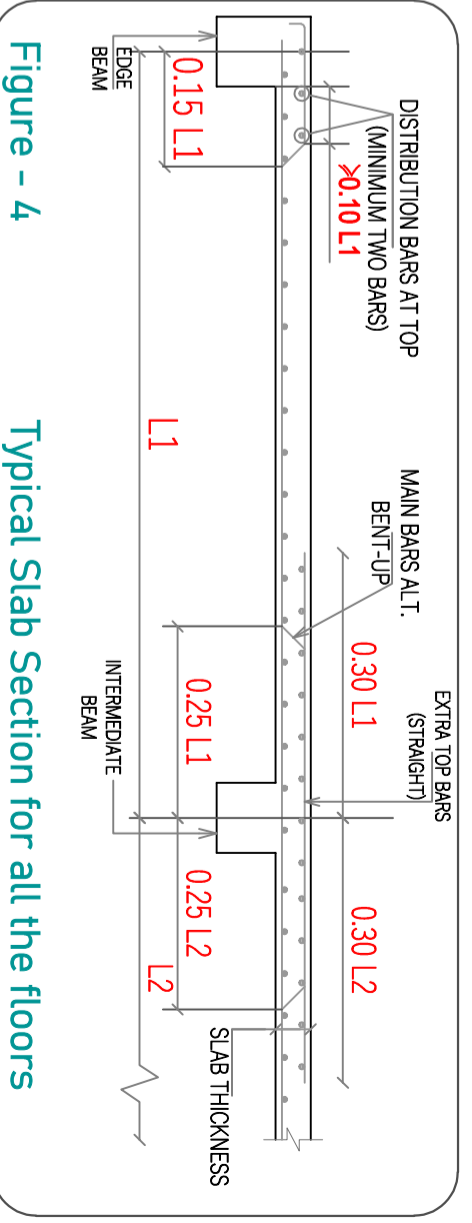


Figure - 4 Typical Slab Section for all the floors

SITE NOTES  
IF ANY

22/02/2022 SCALE - NTS R-1 \*A3 PRINTS\*

SHEET - 23

FF SLAB & DETAILS

Mr. SUMIT JI

SHEET TITLE GOOD FOR CONSTRUCTION

PROJECT BY:-

CHK AKA PH

DRW PH

Drw No Drw Table

Archi Sign & Stamp

Ar. SHWETA SHUKLA  
#228, Tricity Trade Tower, Adjacent Hotel  
Raddisson, Patiala Road, Zirakpur (Punjab).  
+91-99151 39867 13decor.tpg@gmail.com

HRK/A.:TPG/GFC/13/11

HRKD/13/02/22/2022

Drw - 1 FF SLAB LAYOUT

HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD  
HRK\_GFC  
24.2.2022

HRK/A.:TPG/GFC/13/11

HRKD/13/02/22/2022

Drw - 2 FF SLAB PLAN & DETAILS

Structure Sign & Stamp

HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD  
HRK\_GFC  
24.2.2022

HRKD/13/02/22/2022

HRK/A.:TPG/GFC/13/11

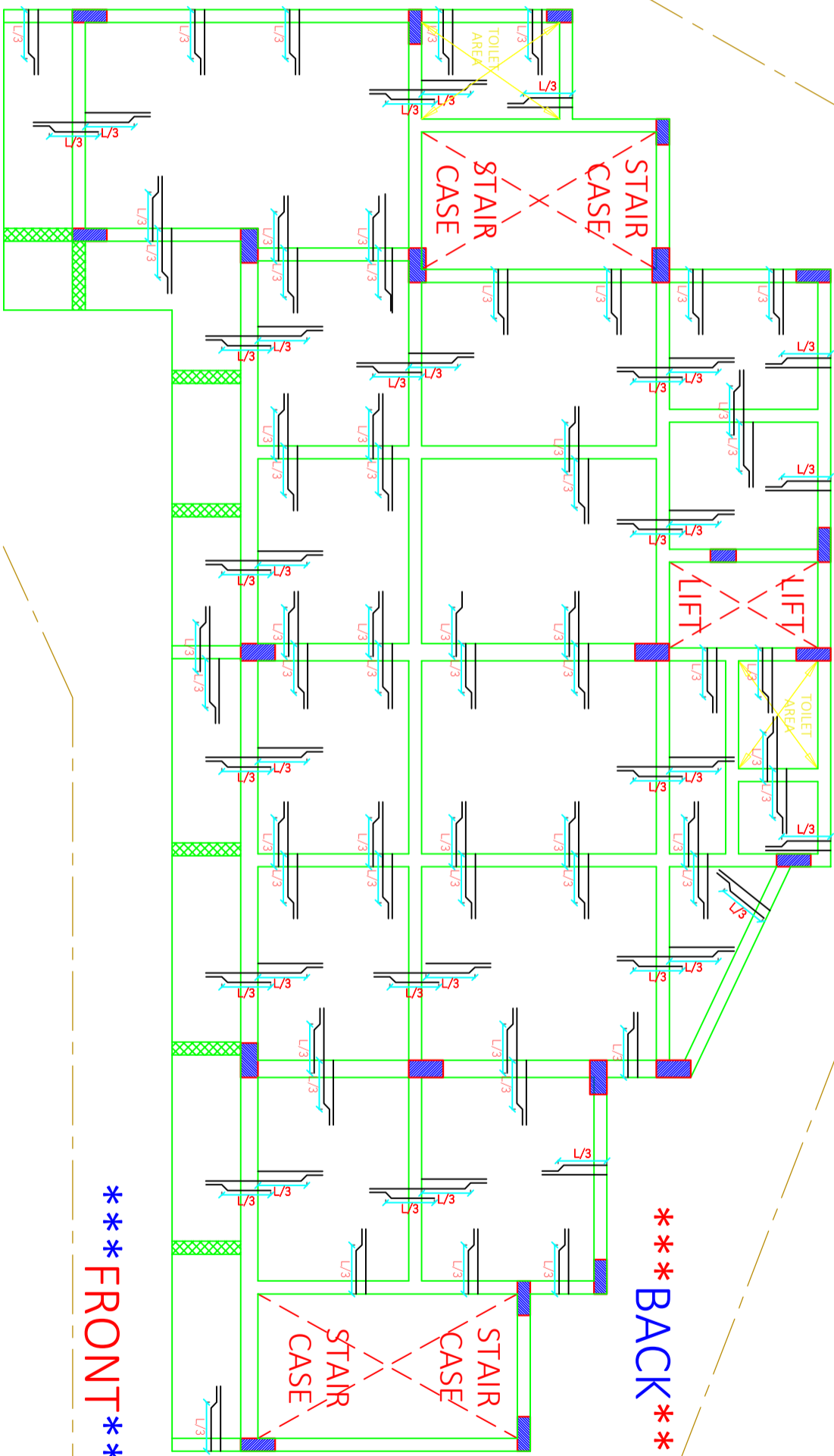
Drw - 3 FF SLAB C/S DETAILS

PMC/Contractor Sign & Stamp

HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD  
HRK\_GFC  
24.2.2022

HRKD/13/02/22/2022

HRK/A.:TPG/GFC/13/11



**\*\*\* FRONT \*\*\***

**Slab Thickness = 6"**

**8mm Dia Bent-up bars @ 8" C/C**

**8mm Dia Straight bars @ 8" C/C**

**10mm Dia Extra bars @ 1' C/C (Junctions & Ends)**

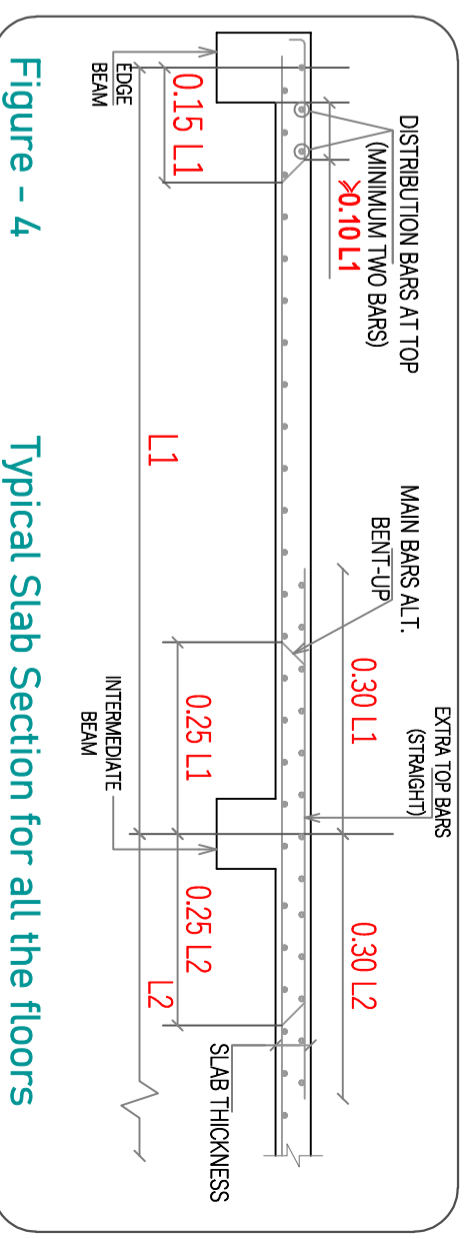


Figure - 4 Typical Slab Section for all the floors

SITE NOTES  
IF ANY

22/02/2022 SCALE - NTS R-1 \*A3 PRINTS\*  
SHEET TITLE GOOD FOR CONSTRUCTION

SHEET - 24

FF SLAB & DETAILS

Mr. SUMIT JI

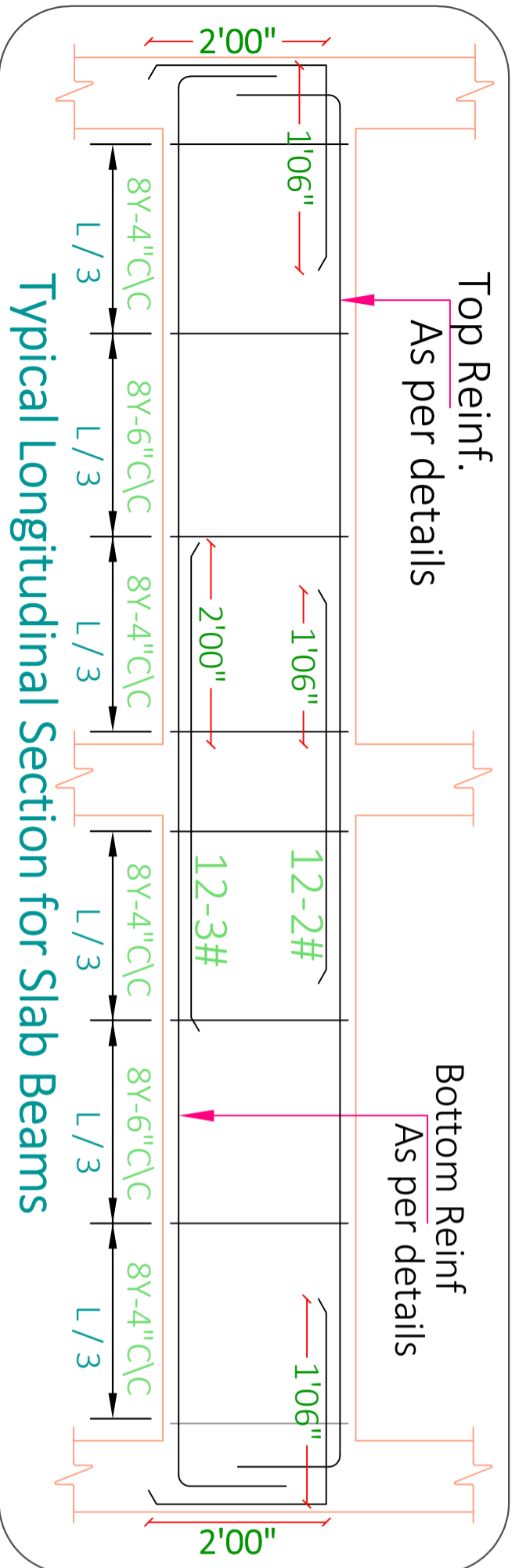
Drw No	Drw Table
Drw - 1	FF SLAB LAYOUT
Drw - 2	FF SLAB PLAN & DETAILS
Drw - 3	FF SLAB C/S DETAILS

Archi Sign & Stamp  
HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD  
HRK\_GFC  
24.2.2022

PROJECT BY:-  
Ar. SHWETA SHUKLA  
#228, Tricity Trade Tower, Adjacent Hotel  
Raddisson, Patiala Road, Zirakpur (Punjab).  
+91-99151 39867 13decor.tpg@gmail.com

CHK AKA PH  
DRW  
HRK/A.:TPG/GFC/13/11  
HRKD/13/02/22/2022





Typical Longitudinal Section for Slab Beams

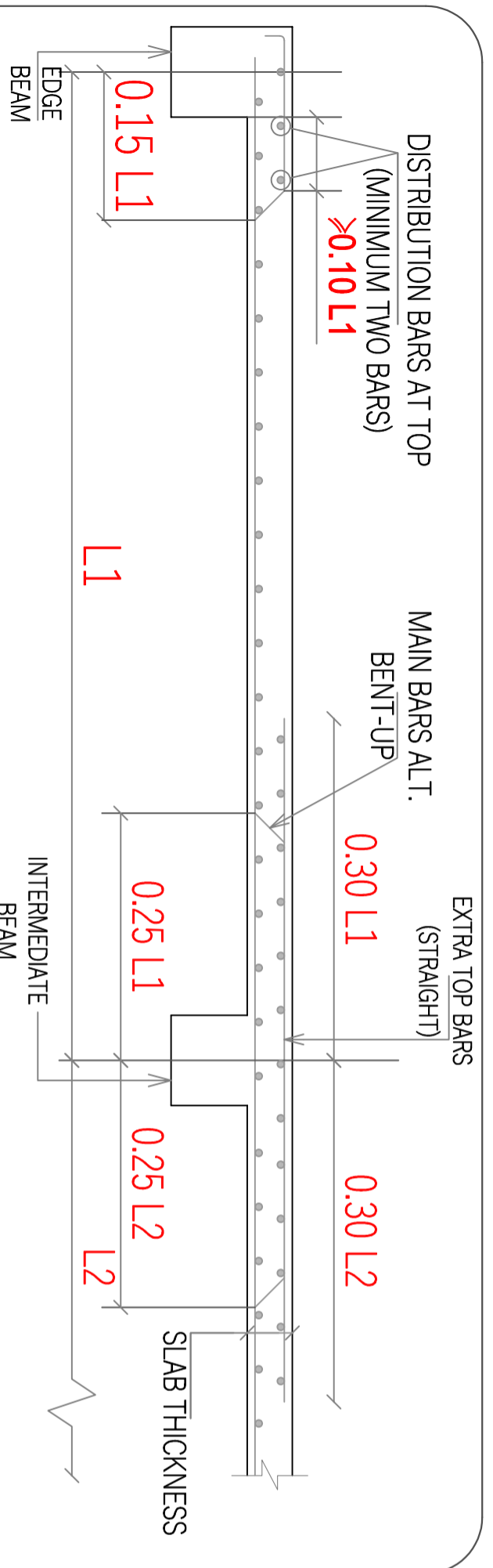


Figure - 4

Typical Slab Section for all the floors

8mm Dia Bent-up bars @ 8" C/C  
 8mm Dia Straight bars @ 8" C/C  
 10mm Dia Extra bars @ 1' C/C (Junctions & Ends)

Slab Thickness = 6"

● LARGER DIA REINFORCEMENT BAR

○ SMALLER DIA REINFORCEMENT BAR

B-1	1'x2'	B-2	9"X2'00"
B-1	1.90%	B-2	2.25%

B-3	9"X1'06"	SB-1	9"X5"
B-3	1.54%		

SITE NOTES

IF ANY

22/02/2022 SCALE - NTS R-1 \*A3 PRINTS\*

SHEET - 25

FF BEAM & SLAB DETAILS

Mr. SUMIT JI

SHEET TITLE GOOD FOR CONSTRUCTION

Drw No	Drw Table	Archi Sign & Stamp	Ar. SHWETA SHUKLA
Drw - 1	FF BEAMS & SLAB DETAILS	HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD	#228, Tricity Trade Tower, Adjacent Hotel
Drw - 2	FF BEAMS & SLAB C/S DETAILS	HRK_GFC	Radisson, Patiala Road, Zirakpur (Punjab).
Drw - 3		Structure Sign & Stamp	+91-99151 39867 13decor.tpg@gmail.com

PROJECT BY:-	CHK	DRW	HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD
Ar. SHWETA SHUKLA	AKA	PH	24/4# AXIS ANTARA
HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD	HRK/A.:TPG/GFC/13/11		BEGUR-KOPPA OFF
HRK_GFC	HRKD/13/02/22/2022		MAIN ROAD
24.2.2022			AKSHAYNAGAR
			BLR-560068

Sr.No	Description
19	Conc qty in FF Col's
20	Steel Reinf. In FF Col's
21	Conc qty in FF Beam's
22	Steel Reinf. in FF Beam's
23	Conc qty in FF Slab
24	Steel Reinf. in FF Slab
25	Seggregated Reinf. Bar's

### Total Qty of Conc & Steel For First Floor

19. Conc qty in FF Col's (M3)						
Column	No	L (M)	B (M)	D (M)	Qty(M3)	T.Qty (M3)
C1-9"x2'00" (0.23 x 0.61)M	11	0.23	0.61	3.20	5.00	
C2-9"x1'06" (0.23 x 0.46)M	3	0.23	0.46	3.20	2.00	
C3-1'00"x2'00" (0.23 x 0.61)M	9	0.30	0.61	3.20	6.00	
<b>Total (M3)</b>					<b>13.00</b>	

21. Conc qty in FF Beam's (M3)						
Beam	No	L (M)	B (M)	D (M)	Qty(M3)	T.Qty (M3)
B1- 1'00"x2'00" (0.30 x 0.61)M	1	52.00	0.23	0.61	10.00	
B2 - 9"x2'00" (0.23 x 0.61)M	1	78.00	0.23	0.46	11.00	
B3 - 9"x1'06" (0.23 x 0.46)M	1	53.00	0.30	0.61	6.00	
<b>Total (M3)</b>					<b>27.00</b>	

23. Conc qty in FF Slab (M3)						
Slab	No	L (M)	B (M)	D (m)	Qty(M3)	T.Qty (M3)
Slab- 6" or 150mm Thick	1	228.45		0.15	35.00	
<b>Total (M3)</b>					<b>35.00</b>	

20. Steel Reinf. in FF Col's (Kg's)					
Sr.No	Col's	No's	Col's Size	Reinf. Bar	Steel Reinf. Qty For GF Col's (Kg's)
1	C1	11	9" x 2'00" (0.23 x 0.61)M	16mmØ-6#	475.44
				20mmØ-6#	742.87
				8mmØ @6" c/c	170.92
2	C2	3	9" x 1'06" (0.23 x 0.46)M	16mmØ-6#	129.67
				20mmØ-4#	135.07
				8mmØ @6" c/c	38.44
3	C3	9	1'00" x 2'00" (0.23 x 0.61)M	20mmØ-6#	607.80
				25mmØ-8#	1266.26
				8mmØ @6" c/c	126.76
<b>Total (Kg's)</b>					<b>3694.00</b>

22. Steel Reinf. In FF Beam's (Kg's)					
Sr.No	Beam's	No's	Beam Size	Reinf. Bar	Steel Reinf. Qty For GF
1	B1	1	1'00"x2'00" (0.30 x 0.61)m	20mmØ - 11	1412.35
				8mmØ @ 4"C/C	380.78
2	B2	1	9"x2'00" (0.23 x 0.61)m	20mmØ - 10	1925.93
				8mmØ @ 4"C/C	527.61
3	B3	1	9"x1'06" (0.23 x 0.46)m	16mmØ - 5	418.77
				20mmØ - 2	261.73
				8mmØ @ 4"C/C	295.79
4	Slab Beam (SB)	1	9"x5" (0.23 x 0.13)m	10mmØ - 4	69.14
				12mmØ - 4	99.56
				8mmØ @ 4"C/C	83.26
<b>Total (Kg's)</b>					<b>5475.00</b>

24. Steel Reinf. In FF Slab (Kg's)					
Sr.No	Slab	No's	L (M)	Reinf. Bar	Steel Reinf. in FF Slab
1	Slab (6" or 150mm)	1	12	8mmØ	1763.56
			22	8mmØ	6275.16
			1.52	10mmØ	574.00
<b>Total (Kg's)</b>					<b>8613.00</b>

25. Conc & Seggregated Reinf. Bar's qty in FF					
Sr.No	Bar Dia Ø-(mm)	Conc Qty For GF (M3)	Steel Reinf Qty For GF (Kg's)		
1	8	8	9687		
2	10	10	644		
3	12	12	100		
4	16	16	1024		
5	20	20	5086		
6	25	25	1267		
<b>Total</b>		<b>75.00</b>	<b>17808</b>		

### Total Qty of Conc & Steel in First Floor

20. Steel Reinf. in FF Col's (Kg's)					
<b>Total (Kg's)</b>					<b>3694.00</b>

24. Steel Reinf. In FF Slab (Kg's)					
<b>Total (Kg's)</b>					<b>8613.00</b>

25. Conc & Seggregated Reinf. Bar's qty in FF					
<b>Total</b>		<b>75.00</b>	<b>17808</b>		

SITE NOTES  
IF ANY

22/02/2022 SCALE - NTS R-1 \*A3 PRINTS\*  
SHEET TITLE GOOD FOR CONSTRUCTION

SHEET - 26

FF QTY DETAILS

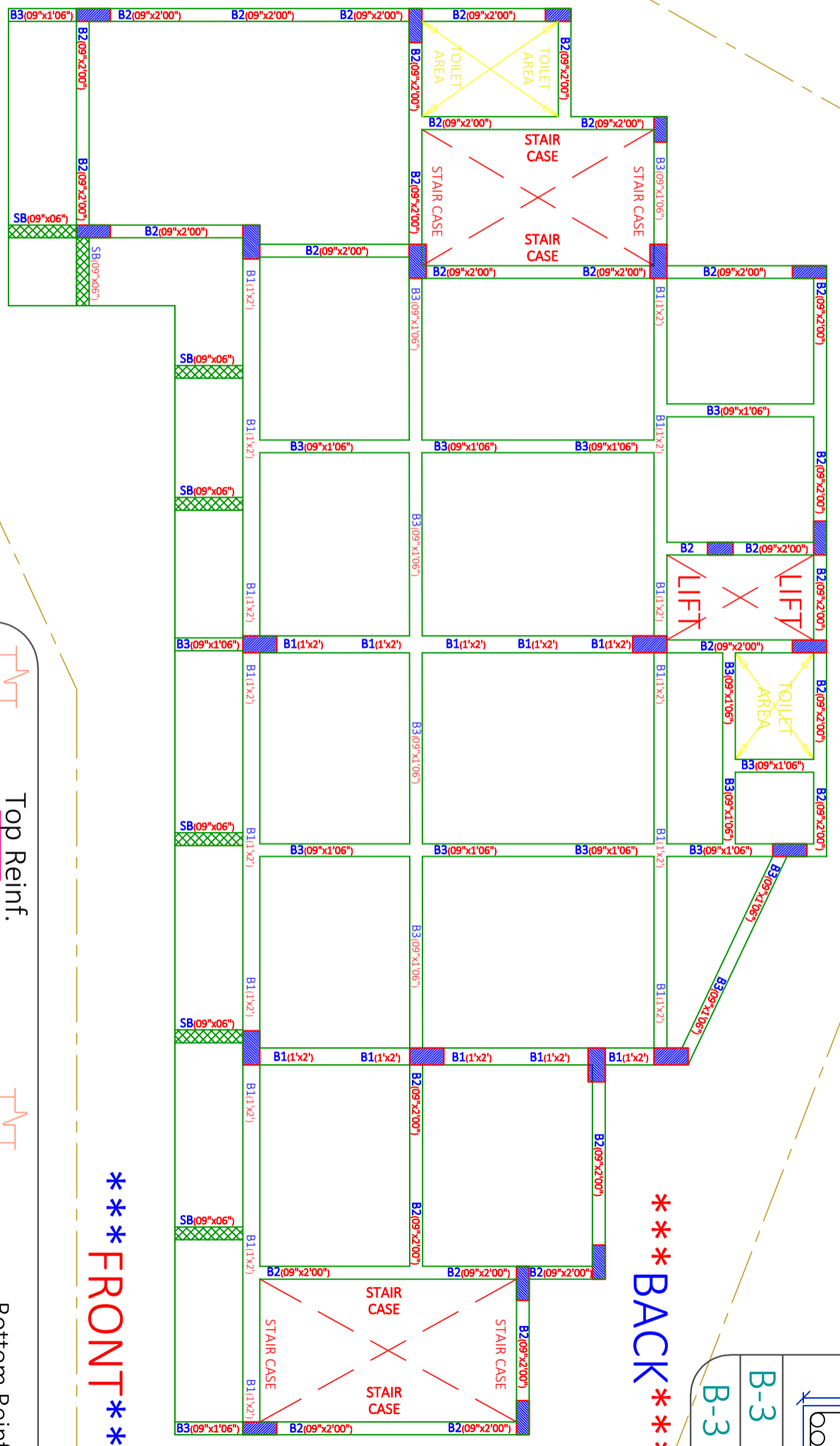
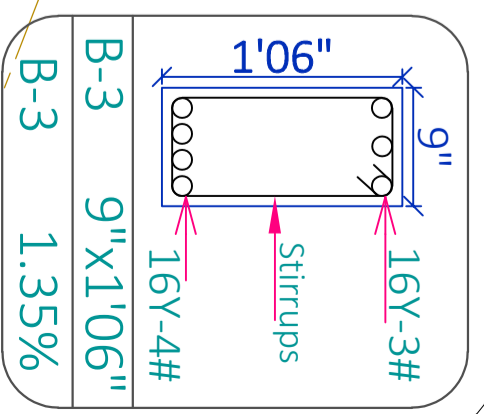
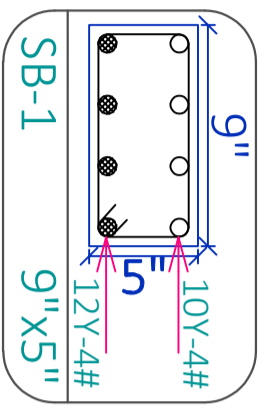
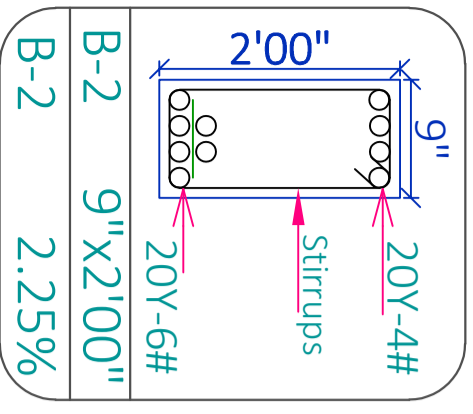
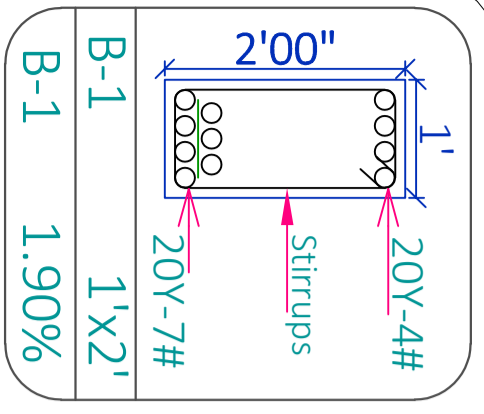
Mr. SUMIT JI

Drw No	Drw Title
Drw - 1	CONC QTY DETAILS
Drw - 2	STEEL REINF. QTY DETAILS
Drw - 3	

Archi Sign & Stamp  
HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD  
HRK\_GFC  
24.2.2022

PROJECT BY:-  
Ar. SHWETA SHUKLA  
#228, Tricity Trade Tower, Adjacent Hotel  
Radisson, Patiala Road, Zirakpur (Punjab).  
+91-99151 39867 13decor.tpg@gmail.com

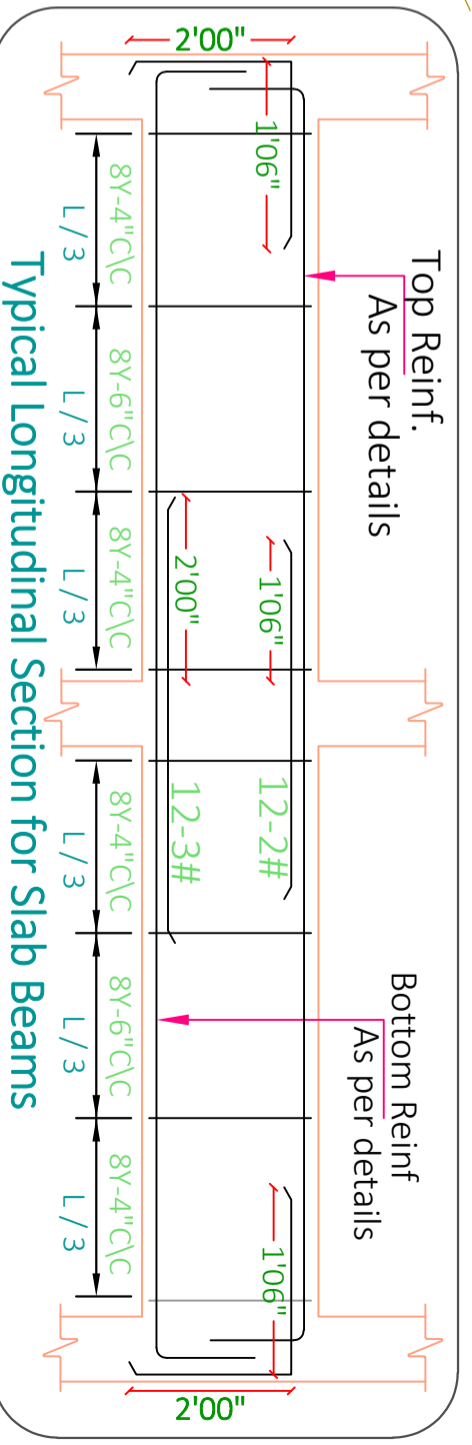
CHK AKA PH  
HRK/A: TPG/GFC/13/11  
HRKD/13/02/22/2022  
HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD  
24/4# AXIS ANTARA BEGUR-KOPPA OFF MAIN ROAD AKSHAYNAGAR BLR-560068



LENGTH

WIDTH

- LARGER DIA REINFORCEMENT BAR
- SMALLER DIA REINFORCEMENT BAR



SITE NOTES  
IF ANY

22/02/2022 SCALE - NTS R-1 \*A3 PRINTS\*

SHEET - 27

SF BEAMS & DETAILS

Mr. SUMIT JI

SHEET TITLE GOOD FOR CONSTRUCTION

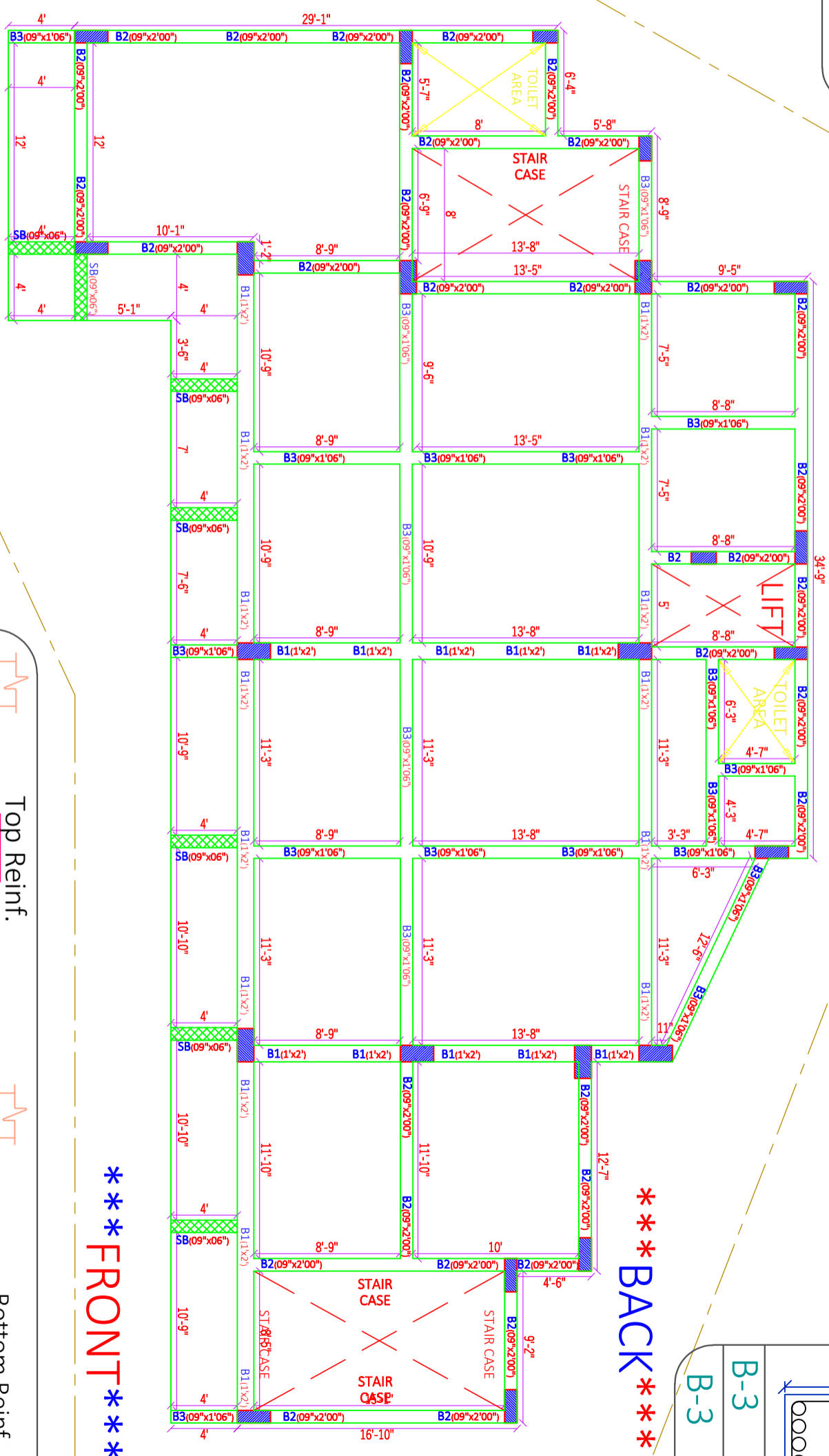
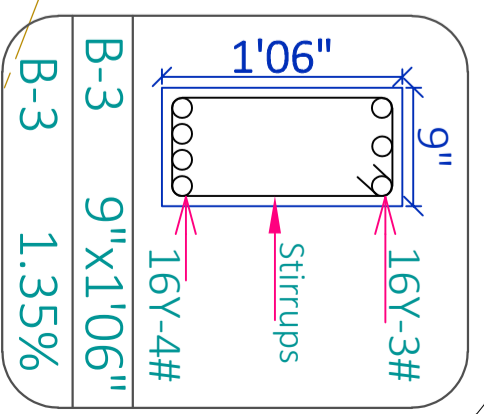
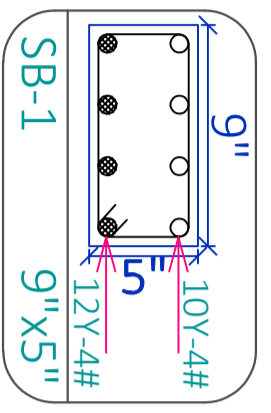
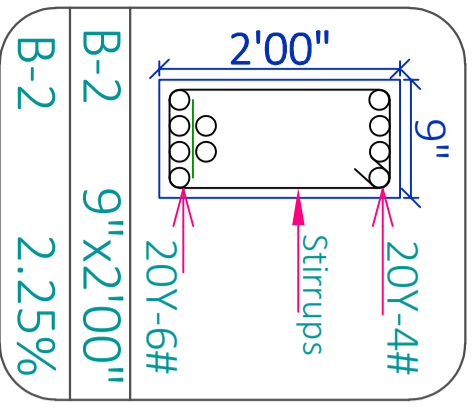
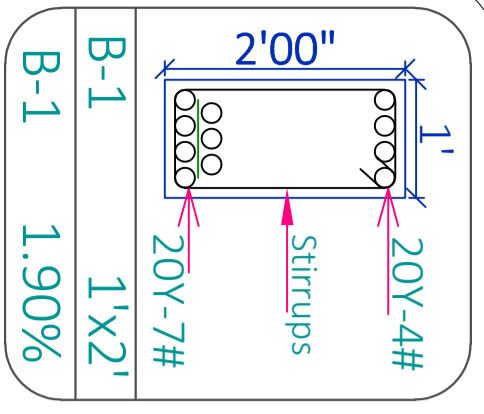
Drw No	Drw Table
Drw - 1	SF BEAMS LAYOUT
Drw - 2	SF BEAMS PLAN & DETAILS
Drw - 3	SF BEAMS C/S DETAILS

Archi Sign & Stamp  
HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD  
HRK\_GFC  
24.2.2022

PROJECT BY:-  
Ar. SHWETA SHUKLA  
#228, Tricity Trade Tower, Adjacent Hotel  
Raddisson, Patiala Road, Zirakpur (Punjab).  
+91-99151 39867 13decor.tpg@gmail.com

CHK CHK  
AKA PH  
HRK/A.:TPG/GFC/13/11  
HRKD/13/02/22/2022

HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD  
24/4# AXIS ANTARA  
BEGRUR-KOPPA OFF  
MAIN ROAD  
AKSHAYNAGAR  
BLR-560068



LENGTH

WIDTH

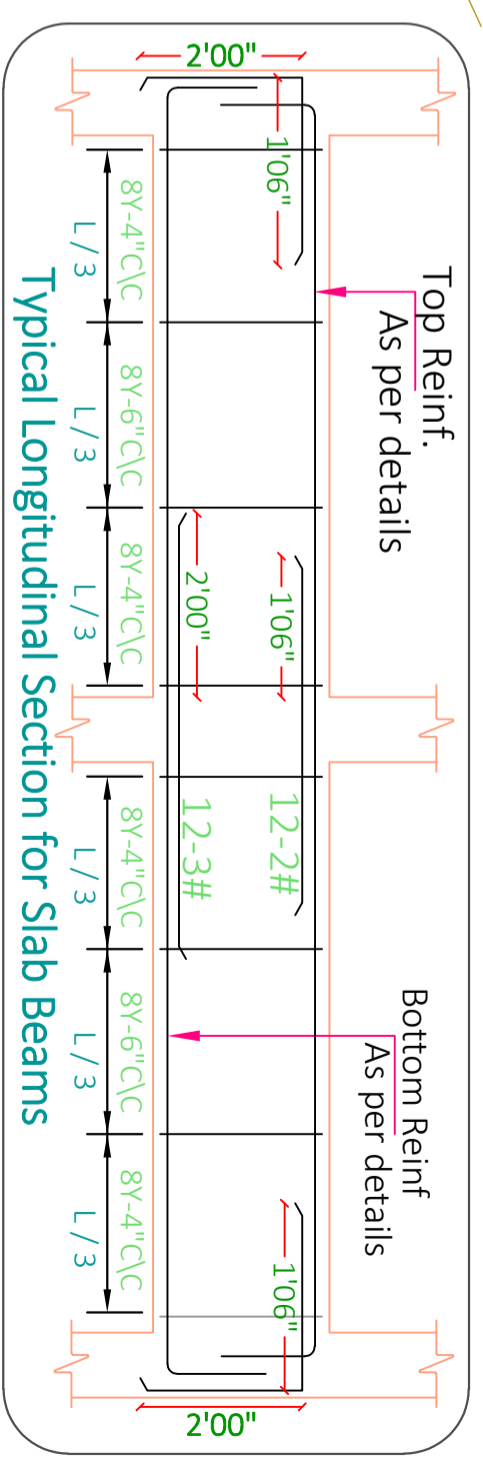
- LARGER DIA REINFORCEMENT BAR
- SMALLER DIA REINFORCEMENT BAR

\*\*\* FRONT \*\*\*

\*\*\* BACK \*\*\*

\*\*\* FRONT \*\*\*

\*\*\* BACK \*\*\*



SITE NOTES  
IF ANY

22/02/2022 SCALE - NTS R-1 \*A3 PRINTS\*  
SHEET TITLE GOOD FOR CONSTRUCTION

SHEET - 28

SF BEAMS & DETAILS

Mr. SUMIT JI

Drw No	Drw Title	Drw Table
Drw - 1	SF BEAMS LAYOUT	
Drw - 2	SF BEAMS PLAN & DETAILS	
Drw - 3	SF BEAMS C/S DETAILS	

Archi Sign & Stamp  
HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD  
HRK\_GFC  
24.2.2022

PROJECT BY:-  
Ar. SHWETA SHUKLA  
#228, Tricity Trade Tower, Adjacent Hotel  
Raddisson, Patiala Road, Zirakpur (Punjab).  
+91-99151 39867 13decor.tpg@gmail.com

CHK AKA PH  
HRK/A:TPG/GFC/13/11  
HRKD/13/02/22/2022

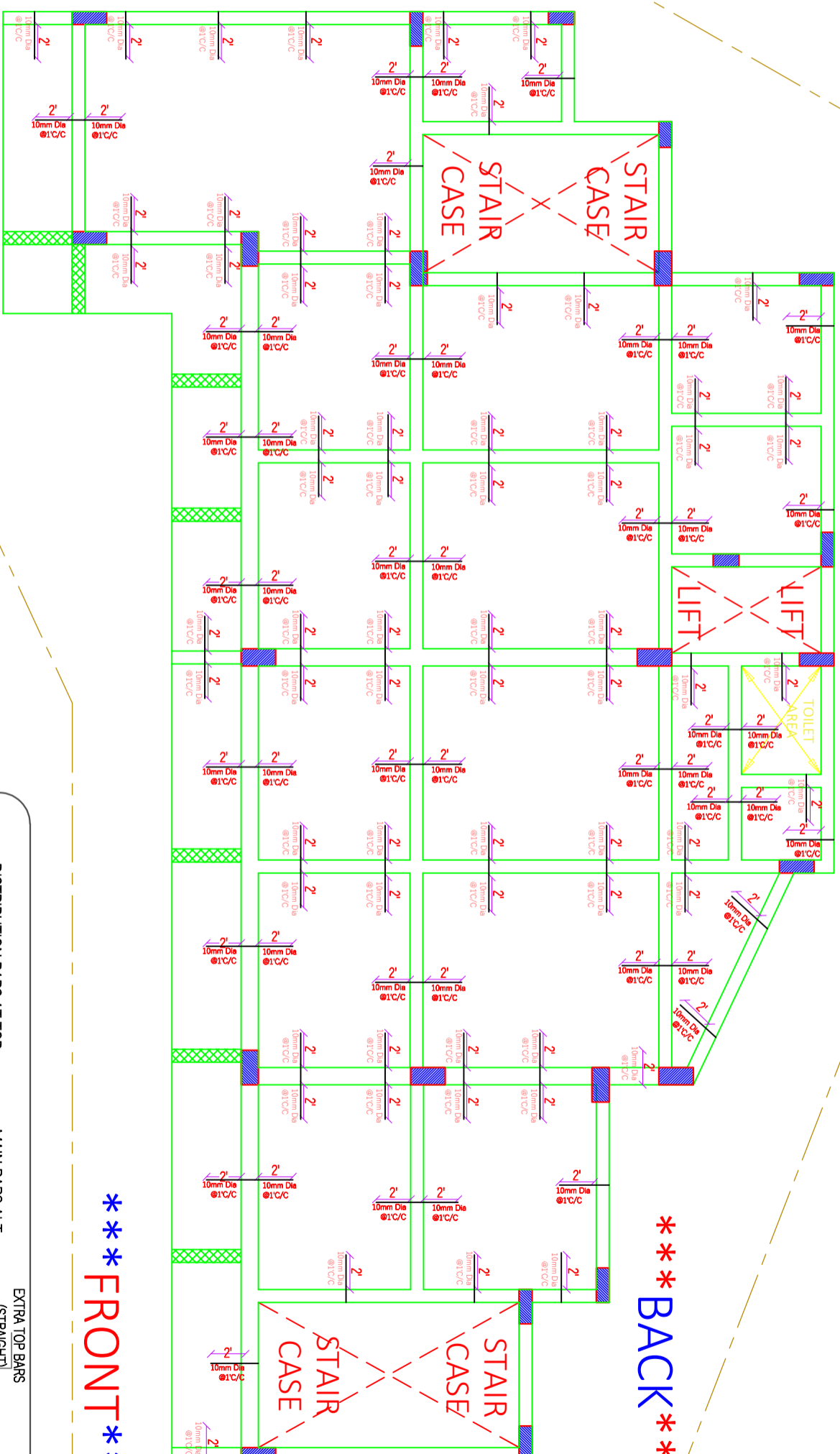
HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD  
24/A# AXIS ANTARA BEGUR-KOPPA OFF MAIN ROAD AKSHAYNAGAR BLR-560068

Slab Thickness = 6"

\*\*\*BACK\*\*\*

LENGTH

WIDTH



8mm Dia Bent-up bars @ 8" C/C  
 8mm Dia Straight bars @ 8" C/C  
 10mm Dia Extra bars @ 1' C/C (Junctions & Ends)

\*\*\*FRONT\*\*\*

\*\*\*FRONT\*\*\*

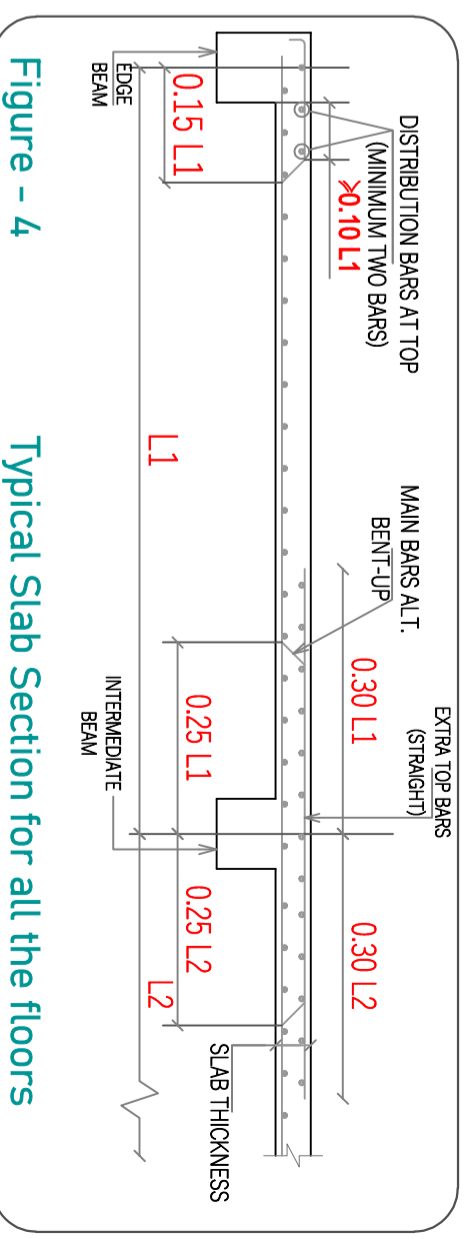


Figure - 4

Typical Slab Section for all the floors

SITE NOTES  
 IF ANY

22/02/2022 SCALE - NTS R-1 \*A3 PRINTS\* SHEET - 29

SF SLAB & DETAILS Mr. SUMIT JI

SHEET TITLE GOOD FOR CONSTRUCTION

Drw No	Drw Title	Drw No	Drw Title
Drw - 1	SF SLAB LAYOUT	Drw - 2	SF SLAB PLAN & DETAILS
Drw - 3	SF SLAB C/S DETAILS		

PROJECT BY:-  
 Ar. SHWETA SHUKLA  
 #228, Tricity Trade Tower, Adjacent Hotel  
 Radisson, Patiala Road, Zirakpur (Punjab).  
 +91-99151 39867 13decor.tpg@gmail.com

CHK AKA PH  
 HRK/A:-TPG/GFC/13/11  
 HRKD/13/02/22/2022

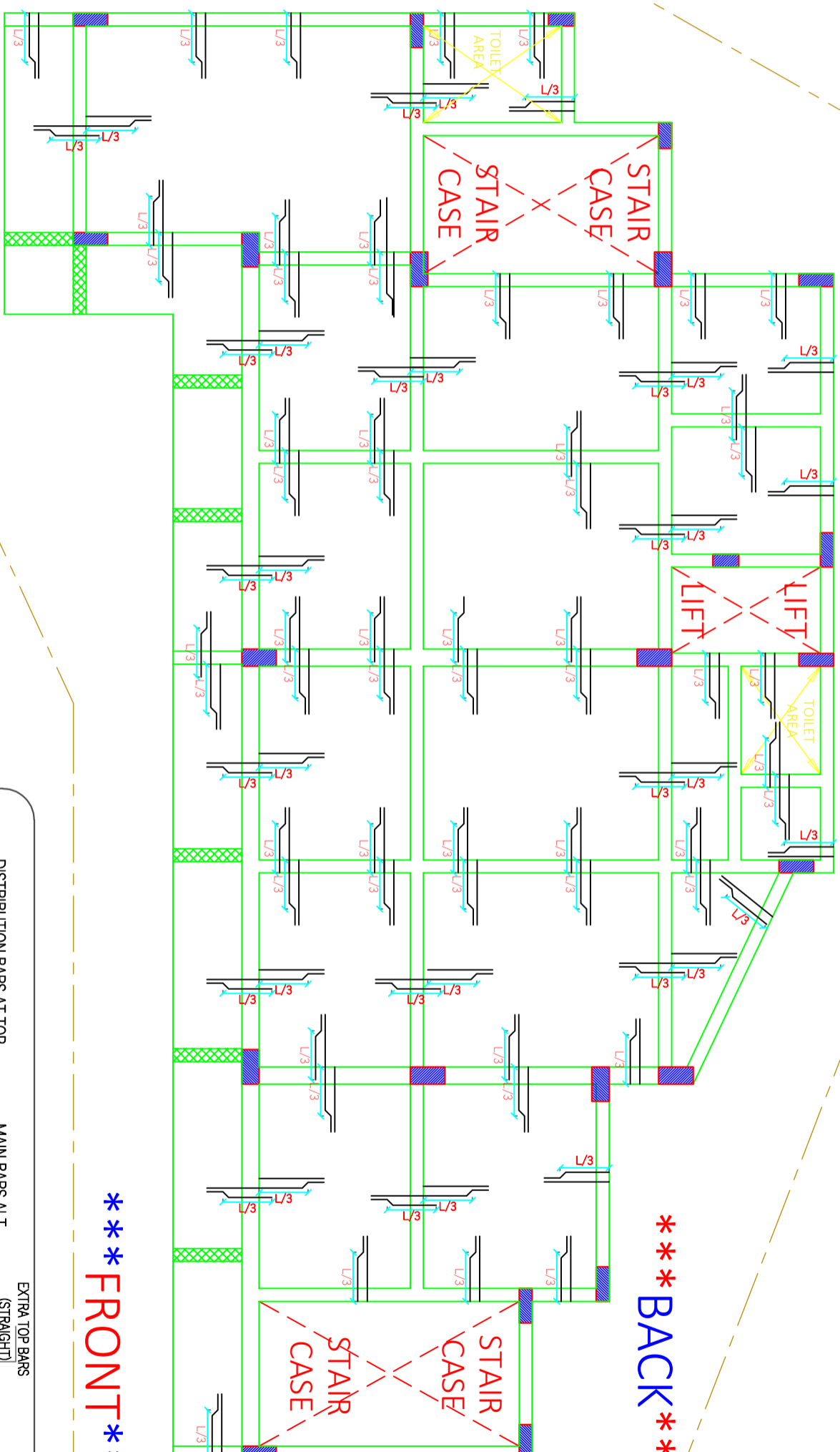
HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD  
 24/4# AXIS ANTARA BEGUR-KOPPA OFF MAIN ROAD AKSHAYNAGAR BLR-560068  
 +91-9343 01 1313  
 HRK Designs

Slab Thickness = 6"

\*\*\*BACK\*\*\*

LENGTH

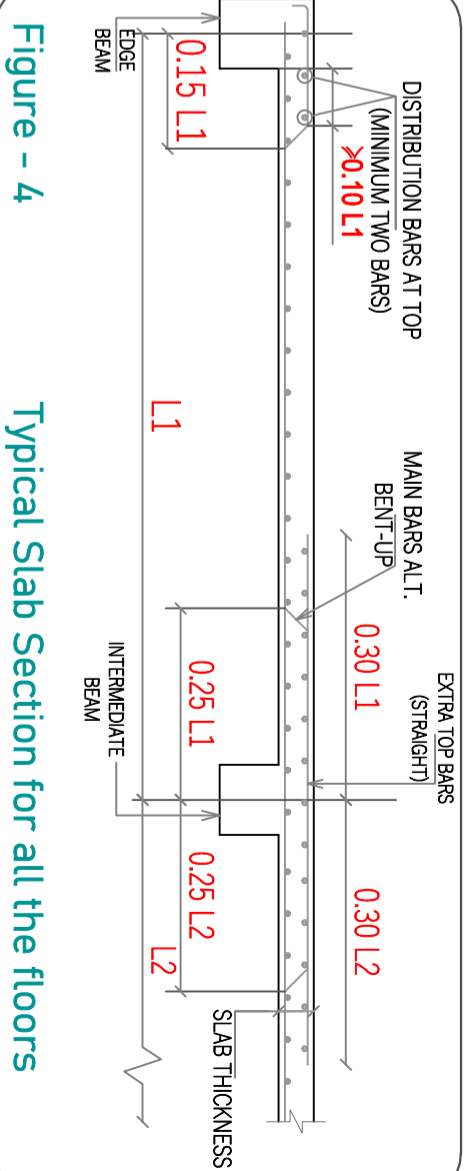
WIDTH



\*\*\*FRONT\*\*\*

\*\*\*FRONT\*\*\*

8mm Dia Bent-up bars @ 8" C/C  
 8mm Dia Straight bars @ 8" C/C  
 10mm Dia Extra bars @ 1' C/C (Junctions & Ends)



SITE NOTES  
 IF ANY

22/02/2022 SCALE - NTS R-1 \*A3 PRINTS\*  
 SHEET TITLE GOOD FOR CONSTRUCTION

SHEET - 30

SF SLAB & DETAILS

Mr. SUMIT JI

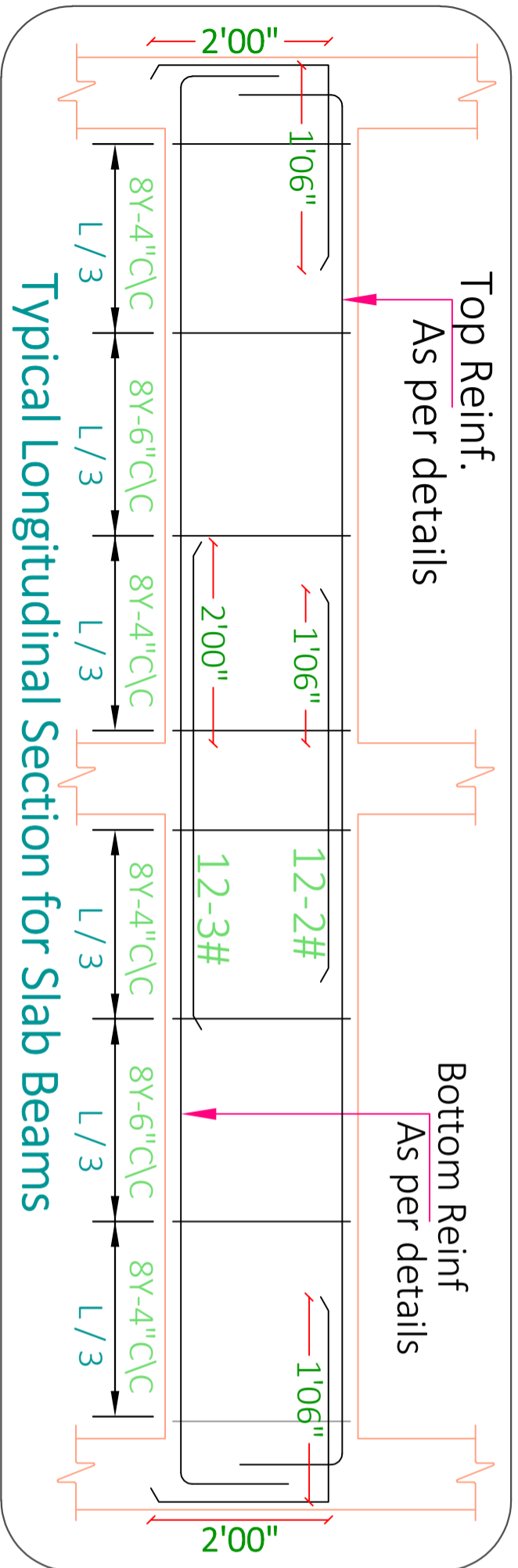
Drw No	Drw Title	Drw Table
Drw - 1	SF SLAB LAYOUT	
Drw - 2	SF SLAB PLAN & DETAILS	
Drw - 3	SF SLAB C/S DETAILS	

Archi Sign & Stamp  
 HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD  
 HRK\_GFC  
 24.2.2022  
 Structure Sign & Stamp  
 P/MC/Contractor Sign & Stamp

PROJECT BY:-  
 Ar. SHWETA SHUKLA  
 #228, Tricity Trade Tower, Adjacent Hotel  
 Radisson, Patiala Road, Zirakpur (Punjab).  
 +91-99151 39867 13decor.tpg@gmail.com

CHK AKA PH  
 HRK/A.:TPG/GFC/13/11  
 HRKD/13/02/22/2022

HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD  
 24/4# AXIS ANTARA BEGUR-KORPPA OFF MAIN ROAD AKSHAYNAGAR BLR-560068  
 +91-9343 01 1313  
 HRK Designs



Typical Longitudinal Section for Slab Beams

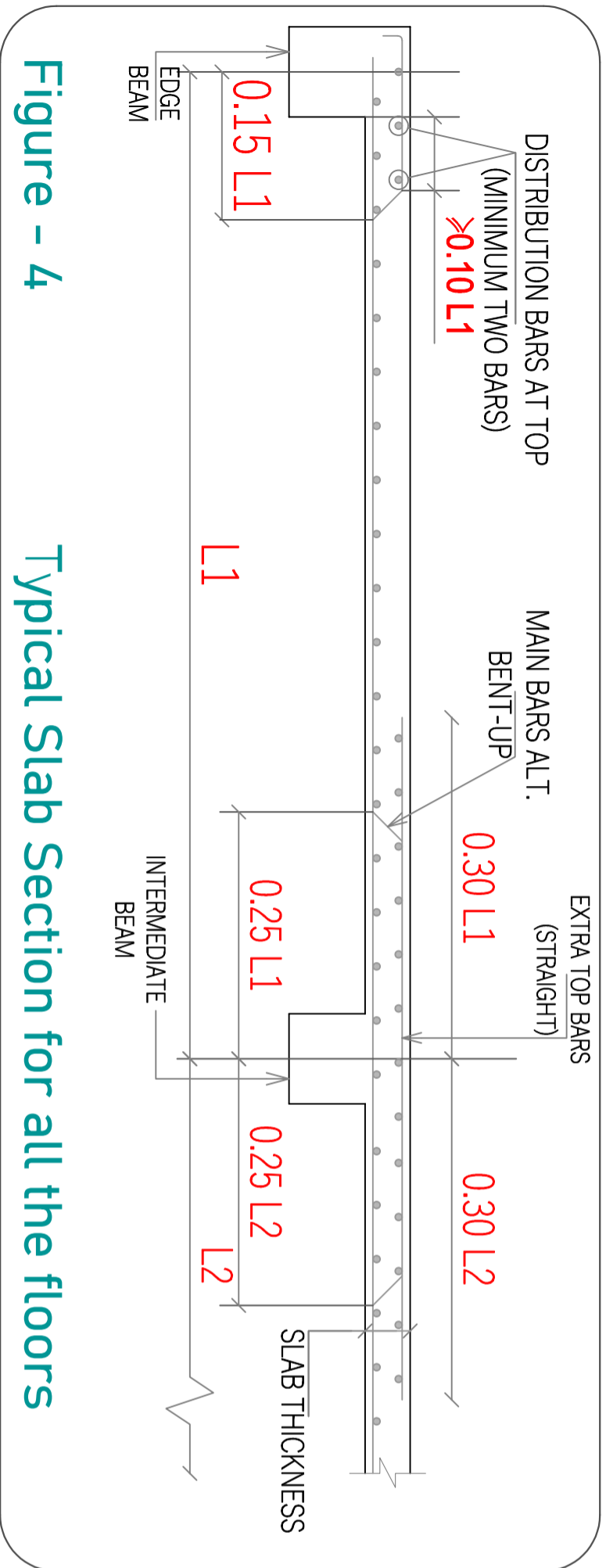


Figure - 4

Typical Slab Section for all the floors

8mm Dia Bent-up bars @ 8" C/C  
 8mm Dia Straight bars @ 8" C/C  
 10mm Dia Extra bars @ 1' C/C (Junctions & Ends)

Slab Thickness = 6"

B-1	1'x2'	1.90%	B-1	1'x2'	1.90%
B-2	9"X1'06"	1.54%	B-2	9"X2'00"	1.95%
B-3	9"X1'06"	1.54%	B-3	9"X5"	

- LARGER DIA REINFORCEMENT BAR
- SMALLER DIA REINFORCEMENT BAR

SITE NOTES  
IF ANY

22/02/2022 SCALE - NTS R-1 \*A3 PRINTS\*  
SHEET TITLE GOOD FOR CONSTRUCTION

SHEET -31

SF BEAM & SLAB DETAILS

Mr. SUMIT JI

Drw No	Drw Table
Drw - 1	SF BEAMS & SLAB DETAILS
Drw - 2	SF BEAMS & SLAB C/S DETAILS
Drw - 3	

Archi Sign & Stamp	Structure Sign & Stamp
HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD	HRK_GFC
24.2.2022	24.2.2022

PROJECT BY:-  
Ar. SHWETA SHUKLA  
#228, Tricity Trade Tower, Adjacent Hotel  
Radisson, Patiala Road, Zirakpur (Punjab).  
+91-99151 39867 13decor.tpg@gmail.com

CHK	DRW	AKA	PH
HRK/A:TPG/GFC/13/11	HRK/A:TPG/GFC/13/11	HRK/A:TPG/GFC/13/11	HRK/A:TPG/GFC/13/11
HRK Designs	HRK Designs	HRK Designs	HRK Designs

Sr.No	Description
26	Conc qty in SF Col's
27	Steel Reinf. In SF Col's
28	Conc qty in SF Beam's
29	Steel Reinf. in SF Beam's
30	Conc qty in SF Slab
31	Steel Reinf. in SF Slab
32	Conc & Segregated Reinf. Bar's in SF

27. Steel Reinf. in SF Col's (Kg's)					
Sr.No	Col's	No's	Col's Size	Reinf. Bar	Qty For GF Col's (Kg's)
1	C1	11	9" x 2'00" (0.23 x 0.61)M	16mmØ-6#	475.44
				20mmØ-6#	742.87
				8mmØ @6" c/c	170.92
2	C2	3	9" x 1'06" (0.23 x 0.46)M	16mmØ-6#	129.67
				20mmØ-4#	135.07
				8mmØ @6" c/c	38.44
3	C3	9	1'00" x 2'00" (0.23 x 0.61)M	20mmØ-6#	607.80
				25mmØ-8#	1266.26
				8mmØ @6" c/c	126.76
				<b>Total (Kg's)</b>	<b>3694.00</b>

29. Steel Reinf. In SF Beam's (Kg's)					
Sr.No	Beam's	No's	Beam Size	Reinf. Bar	Steel Reinf. Qty For GF Beam's (Kg's)
1	B1	1	1'00"x2'00" (0.30 x 0.61)m	20mmØ - 11	1412.35
				8mmØ @ 4"C/C	380.78
2	B2	1	9"x2'00" (0.23 x 0.61)m	20mmØ - 10	1925.93
				8mmØ @ 4"C/C	527.61
3	B3	1	9"x1'06" (0.23 x 0.46)m	16mmØ - 5	586.00
				8mmØ @ 4"C/C	295.79
4	Slab Beam (SB)	1	9"x5" (0.23 x 0.13)m	10mmØ - 4	69.14
				12mmØ - 4	99.56
				8mmØ @ 4"C/C	83.26
				<b>Total (Kg's)</b>	<b>5381.00</b>

26. Conc qty in SF Col's (M3)						
Column	No	L (M)	B (M)	D (M)	Qty(M3)	T.Qty (M3)
C1-9"x2'00" (0.23 x 0.61)M	11	0.23	0.61	3.20	5.00	
C2-9"x1'06" (0.23 x 0.46)M	3	0.23	0.46	3.20	2.00	
C3-1'00"x2'00" (0.30 x 0.61)M	9	0.30	0.61	3.20	6.00	
						<b>Total (M3)</b>
						<b>13.00</b>

28. Conc qty in SF Beam's (M3)						
Beam	No	L (M)	B (M)	D (M)	Qty(M3)	T.Qty (M3)
B1-1'00"x2'00" (0.30 x 0.61)M	1	52.00	0.23	0.61	10.00	
B2 - 9"x2'00" (0.23 x 0.61)M	1	78.00	0.23	0.46	11.00	
B3 - 9"x1'06" (0.23 x 0.46)M	1	53.00	0.30	0.61	6.00	
						<b>Total (M3)</b>
						<b>27.00</b>

30. Conc qty in SF Slab (M3)						
Slab	No	L (M)	B (M)	D (m)	Qty(M3)	T.Qty (M3)
Slab - 6" or 150mm	1			0.15	35.00	
						<b>Total (M3)</b>
						<b>35.00</b>

31. Steel Reinf. In SF Slab (Kg's)				25. Conc & Segregated Reinf. Bar's qty in SF					
Sr.No	Slab	No's	L (M)	Reinf. Bar	Steel Reinf. in FF Slab (Kg's)	Sr.No	Bar Dia Ø-(mm)	Conc Qty For GF (M3)	Steel Reinf Qty For GF (Kg's)
1	Slab (6" or 150mm Thick)	1	12	8mmØ	1763.56	1	8	8	9687
			22	8mmØ	6275.16	2	10	10	644
			1.52	10mmØ	574.00	3	12	12	100
						4	16	16	1192
						5	20	20	4805
						6	25	25	1267
					<b>Total (Kg's)</b>			<b>75.00</b>	<b>17695</b>

Total Qty of Conc & Steel in Second Floor

SITE NOTES  
IF ANY

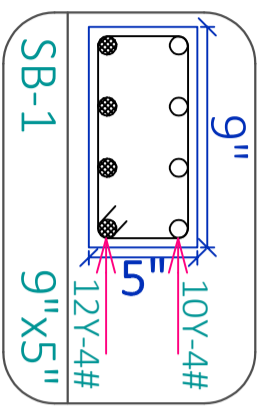
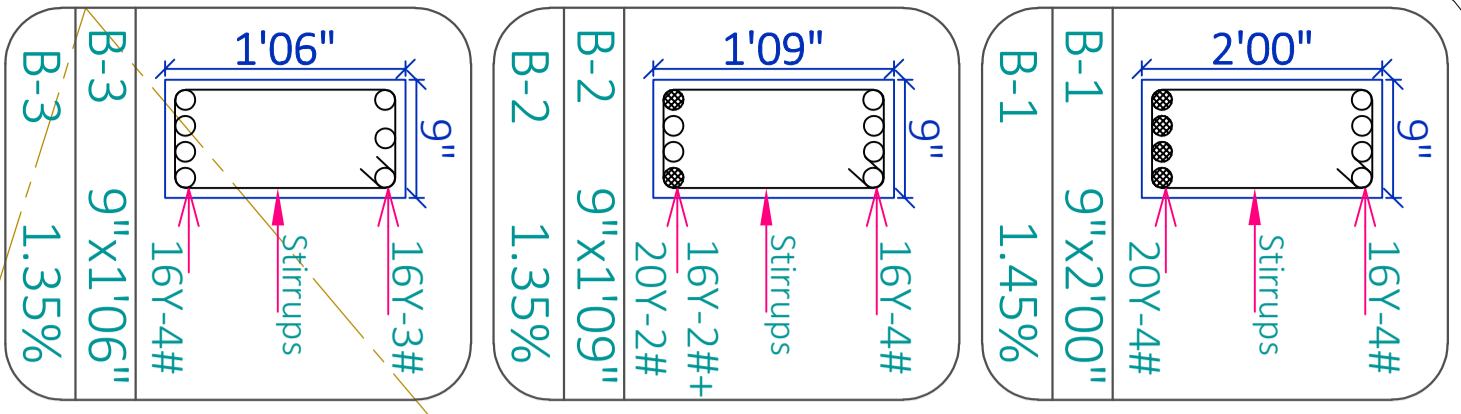
22/02/2022 SCALE - NTS R-1 \*A3 PRINTS\*

SHEET - 32

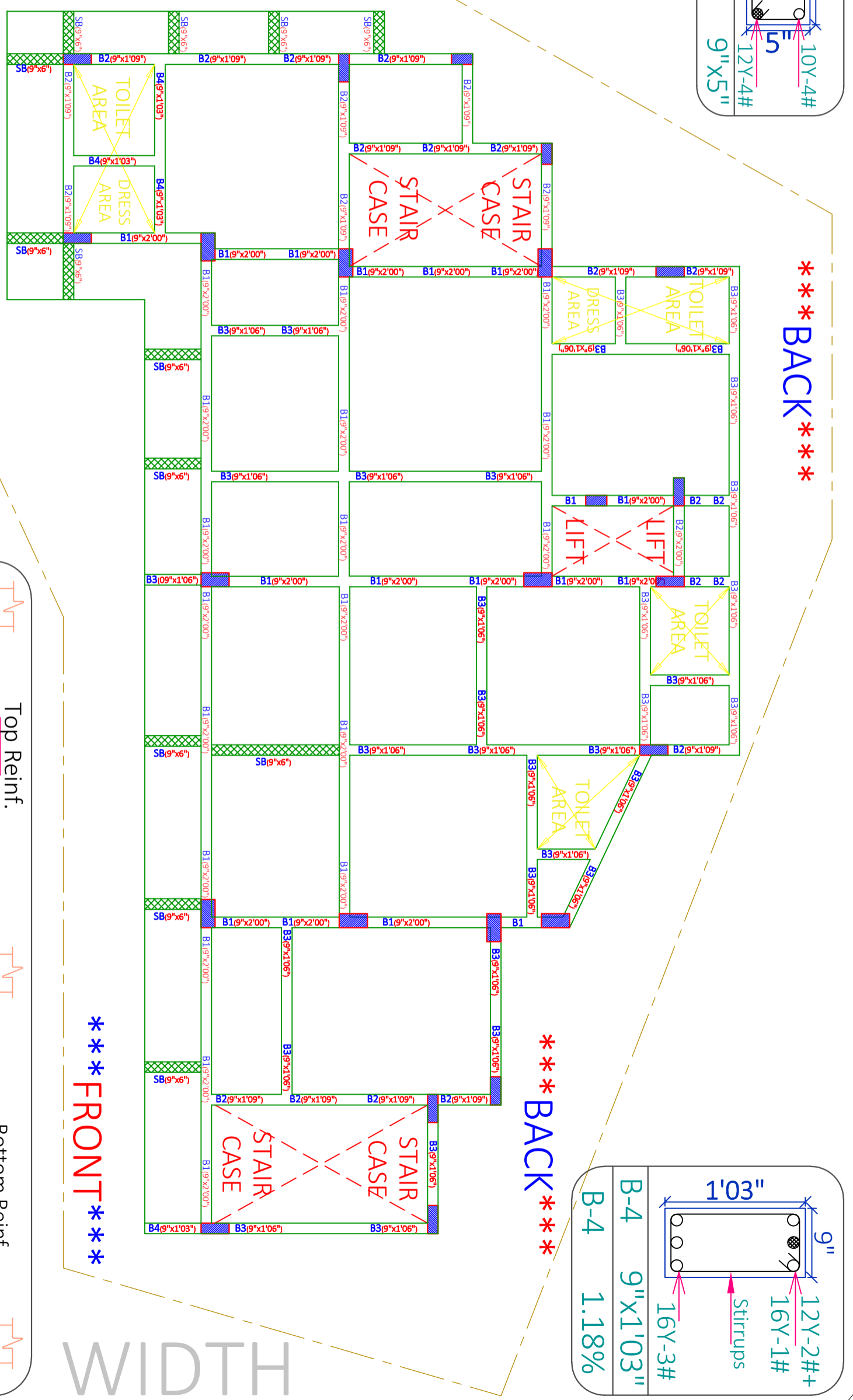
SF QTY DETAILS

Mr. SUMIT JI

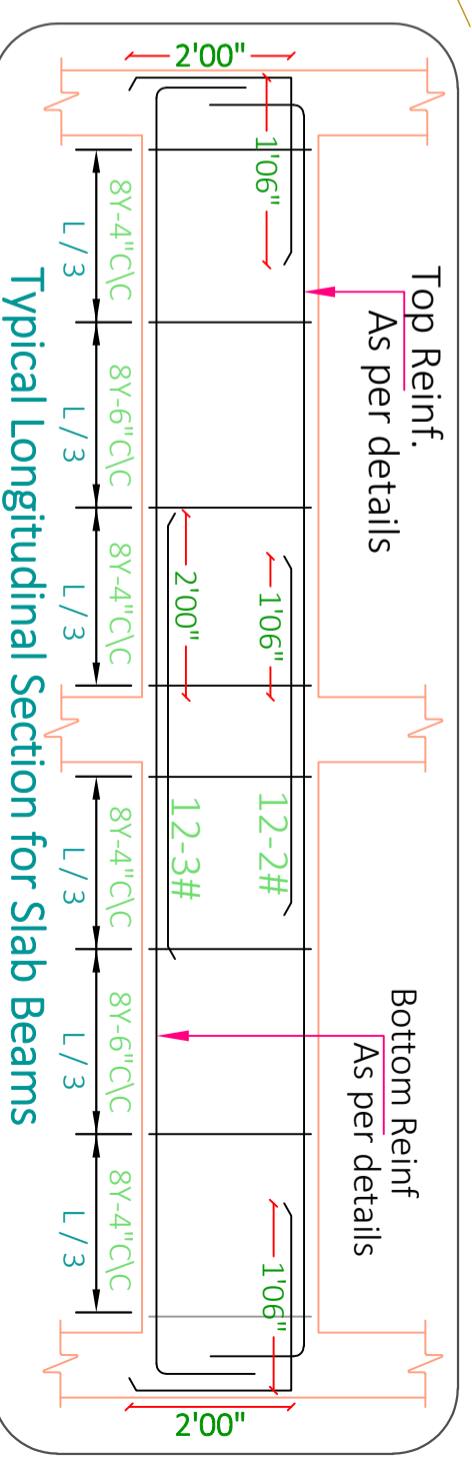
SHEET TITLE		GOOD FOR CONSTRUCTION		Archi Sign & Stamp		PROJECT BY:-		CHK		DRW		HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD	
Drw No	Drw Table	Drw No	Drw Table	Archi Sign & Stamp		Ar. SHWETA SHUKLA		AKA	PH	HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD		24/4# AXIS ANTARA BEGUR-KORPA OFF MAIN ROAD AKSHAYNAGAR BLR-560068	
Drw - 1	CONC QTY DETAILS	Drw - 2	STEEL REINF. QTY DETAILS	HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD HRK_GFC 24.2.2022		#228, Tricity Trade Tower, Adjacent Hotel Radisson, Patiala Road, Zirakpur (Punjab). +91-99151 39867 13decor.tpg@gmail.com		HRK/A:.TPG/GFC/13/11	HRK/A:.TPG/GFC/13/11	HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD		24/4# AXIS ANTARA BEGUR-KORPA OFF MAIN ROAD AKSHAYNAGAR BLR-560068	
Drw - 3				Structure Sign & Stamp PMC/Contractor Sign & Stamp				HRKD/13/02/22/2022		HRK Designs			



LENGHTH



- LARGER DIA REINFORCEMENT BAR
- SMALLER DIA REINFORCEMENT BAR



WIDTH

SITE NOTES  
IF ANY

22/02/2022 SCALE - NTS R-1 \*A3 PRINTS\*  
SHEET TITLE GOOD FOR CONSTRUCTION

SHEET - 33 3rd Floor BEAMS & DETAILS Mr. SUMIT JI

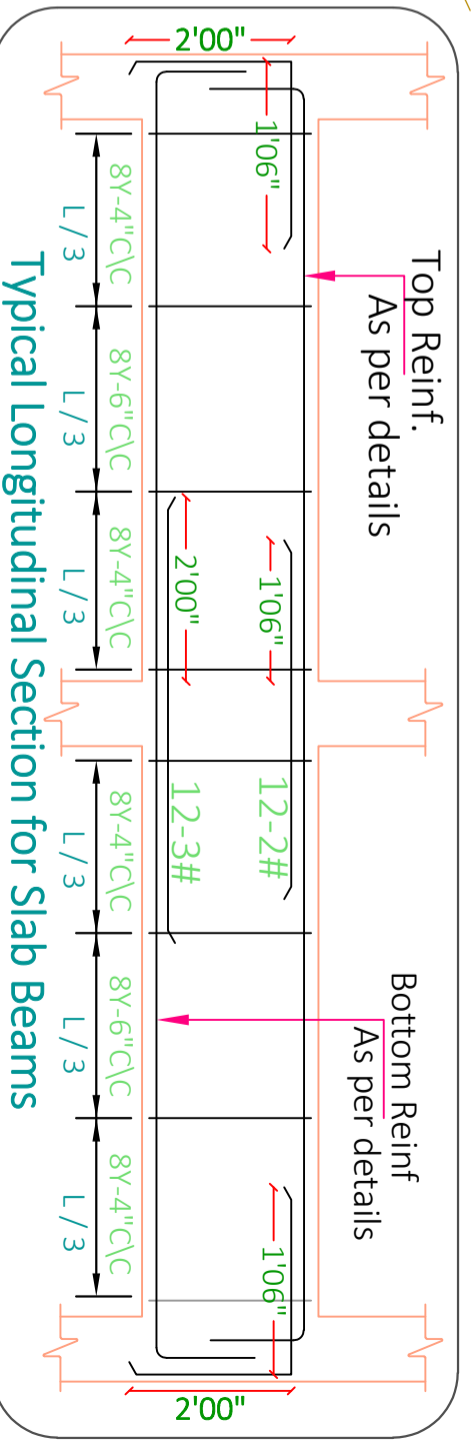
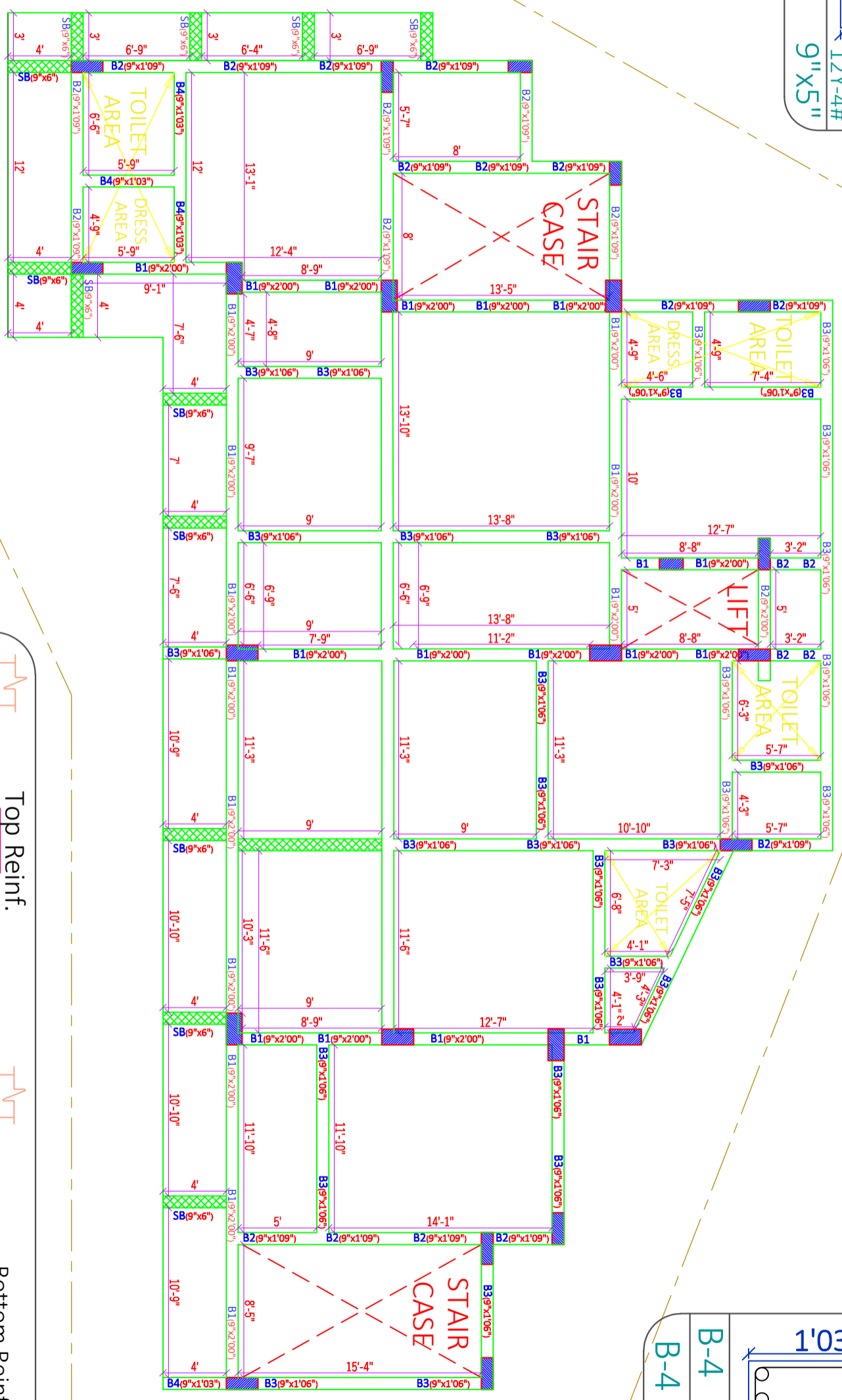
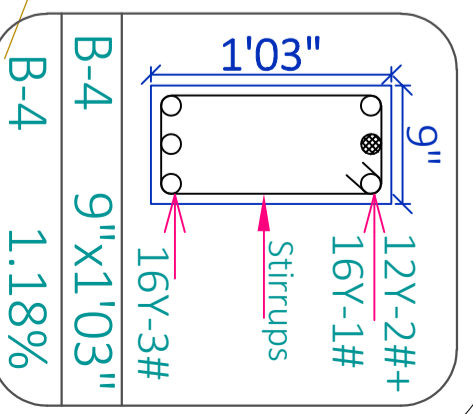
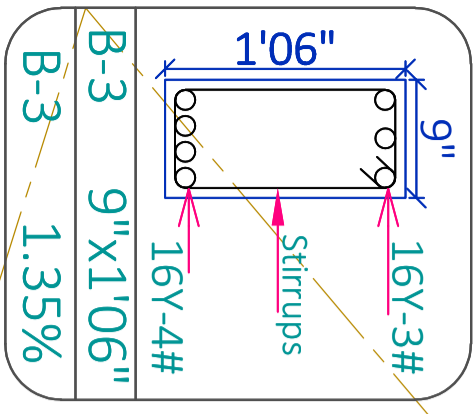
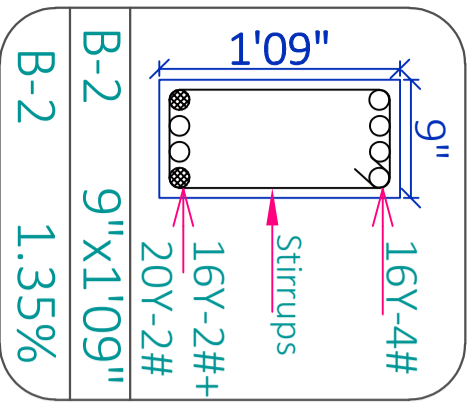
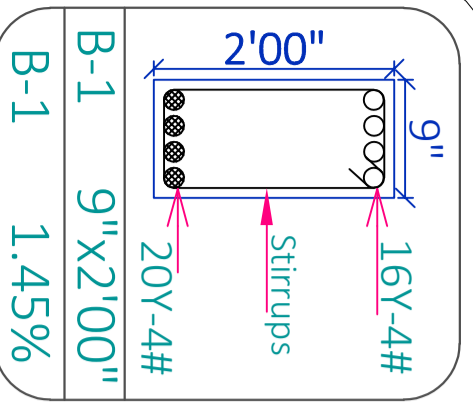
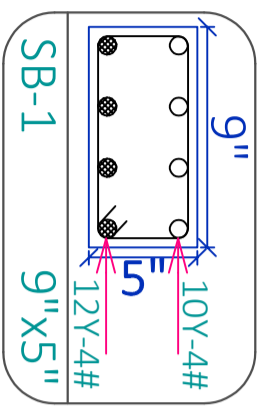
Drw No	Drw Title
Drw - 1	3rd BEAMS LAYOUT
Drw - 2	3rd BEAMS PLAN & DETAILS
Drw - 3	3rd BEAMS C/S DETAILS

Archi Sign & Stamp  
HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD  
HRK\_GFC  
24.2.2022

PROJECT BY:-  
Ar. SHWETA SHUKLA  
#228, Tricity Trade Tower, Adjacent Hotel  
Raddisson, Patiala Road, Zirakpur (Punjab).  
+91-99151 39867 13decor.tpg@gmail.com

CHK AKA PH  
HRK/A:-TPG/GFC/13/11  
HRKD/13/02/22/2022





LENGTH

WIDTH

- LARGER DIA REINFORCEMENT BAR
- SMALLER DIA REINFORCEMENT BAR

SITE NOTES  
IF ANY

22/02/2022 SCALE - NTS R-1 \*A3 PRINTS\*

SHEET - 34

3rd Floor BEAMS & DETAILS

Mr. SUMIT JI

SHEET TITLE GOOD FOR CONSTRUCTION

Drw No	Drw Table
Drw - 1	3rd BEAMS LAYOUT
Drw - 2	3rd BEAMS PLAN & DETAILS
Drw - 3	3rd BEAMS C/S DETAILS

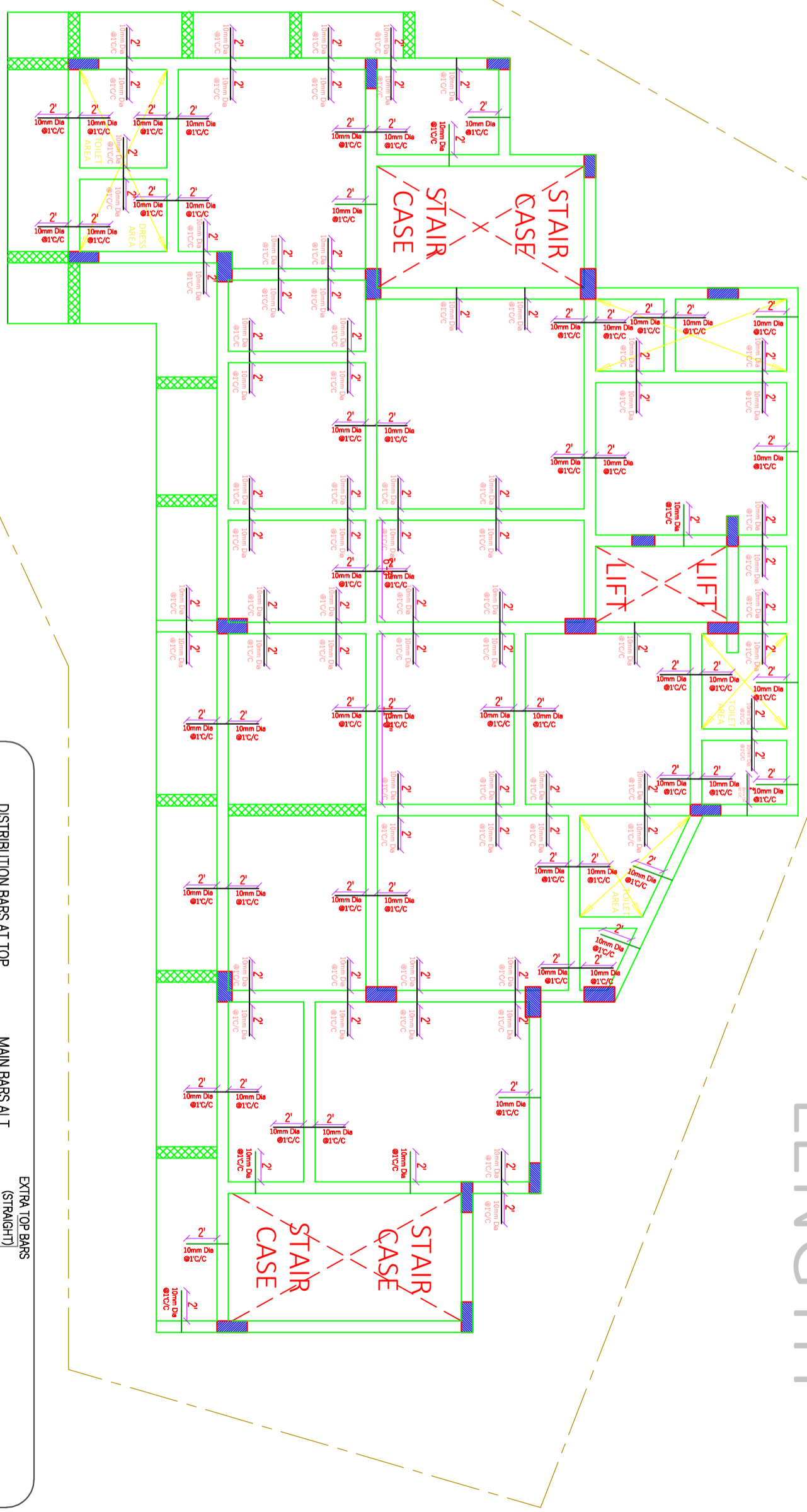
Archi Sign & Stamp  
HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD  
HRK\_GFC  
24.2.2022

PROJECT BY:-  
Ar. SHWETA SHUKLA  
#228, Tricity Trade Tower, Adjacent Hotel  
Raddisson, Patiala Road, Zirakpur (Punjab).  
+91-99151 39867 13decor.tpg@gmail.com

CHK AKA  
DRW PH  
HRK/A:TPG/GFC/13/11  
HRKD/13/02/22/2022  
HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD  
24/4# AXIS ANTARA  
BEJUR-KOPPA OFF  
MAIN ROAD  
AKSHAYNAGAR  
BLR-560068

WIDTH

LENGTH



**Slab Thickness = 6"**  
**8mm Dia Bent-up bars @ 8" C/C**  
**8mm Dia Straight bars @ 8" C/C**  
**10mm Dia Extra bars @ 1' C/C (Junctions & Ends)**

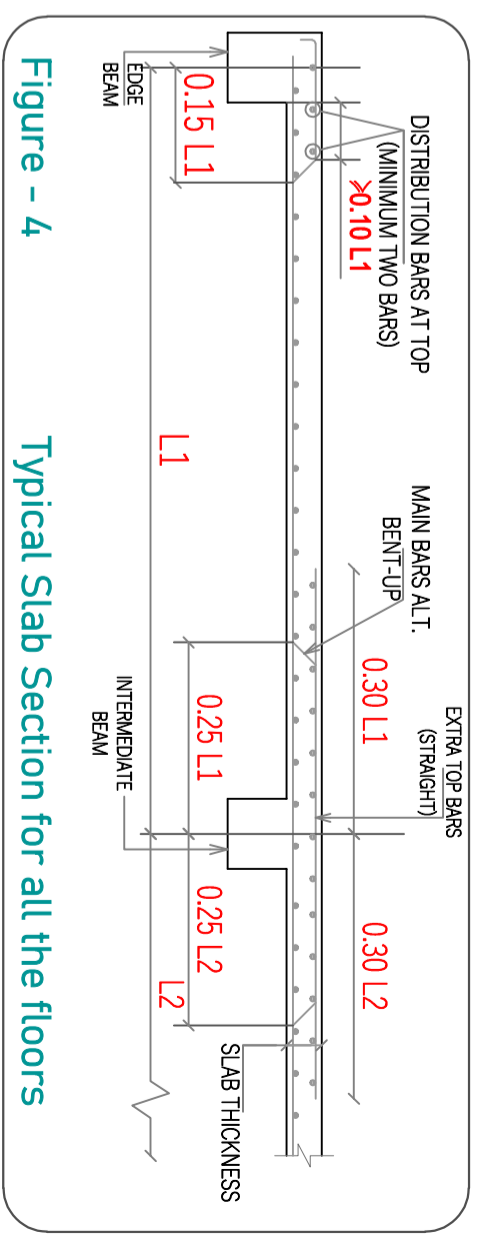


Figure - 4

Typical Slab Section for all the floors

SITE NOTES  
IF ANY

22/02/2022 SCALE - NTS R-1 \*A3 PRINTS\* SHEET - 35

3rd Floor SLAB & DETAILS Mr. SUMIT JI

SHEET TITLE GOOD FOR CONSTRUCTION

PROJECT BY:-

Drw No Drw Table

Archi Sign & Stamp

CHK

DRW

Drw - 1 3rd SLAB LAYOUT

HRK Sign & Stamp

Ar. SHWETA SHUKLA

AKA

PH

Drw - 2 3rd SLAB PLAN & DETAILS

HRK\_GFC

#228, Tricity Trade Tower, Adjacent Hotel  
Radisson, Patiala Road, Zirakpur (Punjab).  
+91-99151 39867 13decor.tpg@gmail.com

HRK/A: .TPG/GFC/13/11

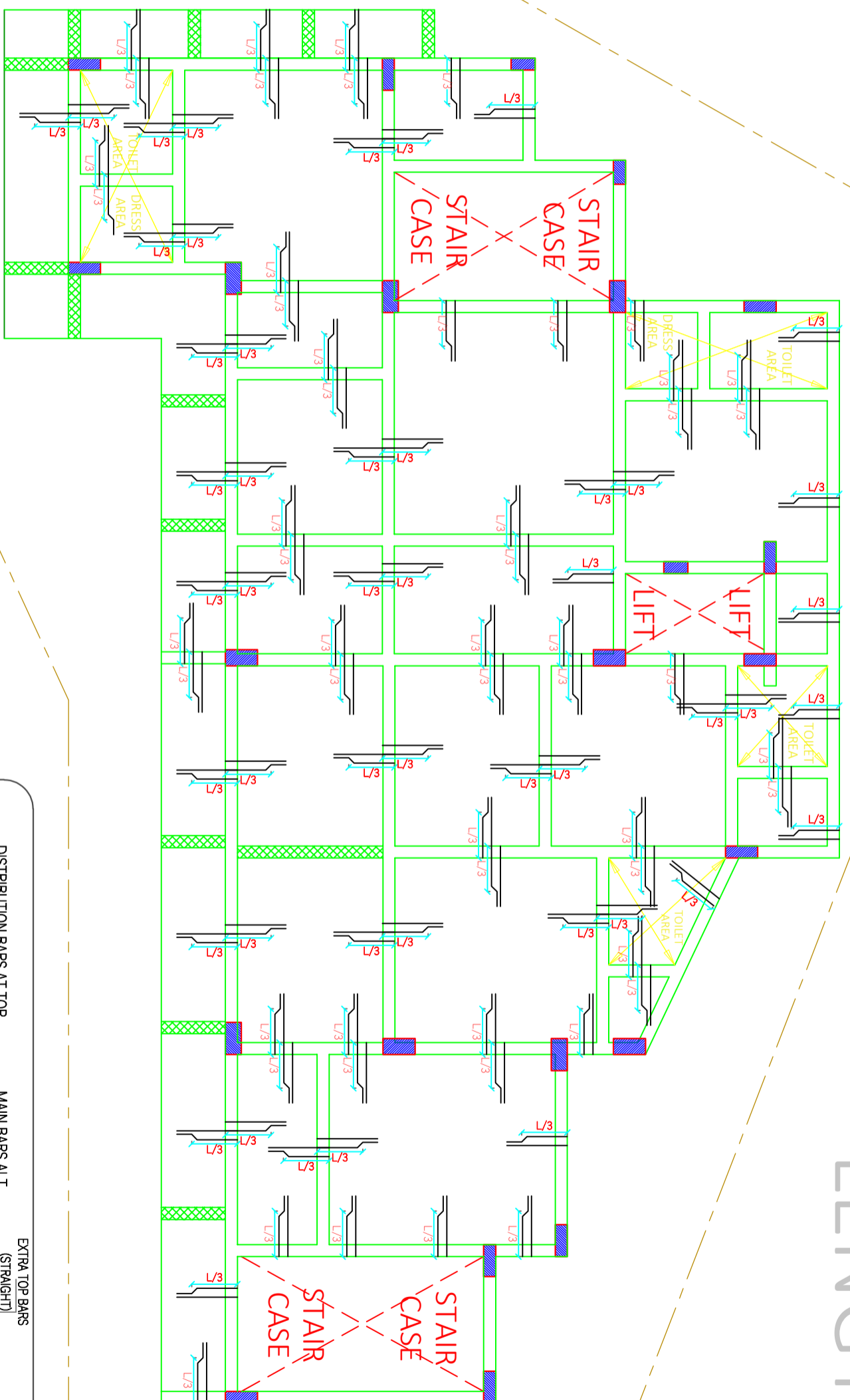
HRKD/13/02/22/2022

Drw - 3 3rd SLAB C/S DETAILS

Structure Sign & Stamp

PMC/Contractor Sign & Stamp

HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD  
24/4# AXIS ANTARA BEGUR-KOPPA OFF MAIN ROAD AKSHAYNAGAR BLR-560068



WIDTH

LENGTH

**Slab Thickness = 6"**  
**8mm Dia Bent-up bars @ 8" C/C**  
**8mm Dia Straight bars @ 8" C/C**  
**10mm Dia Extra bars @ 1' C/C (Junctions & Ends)**

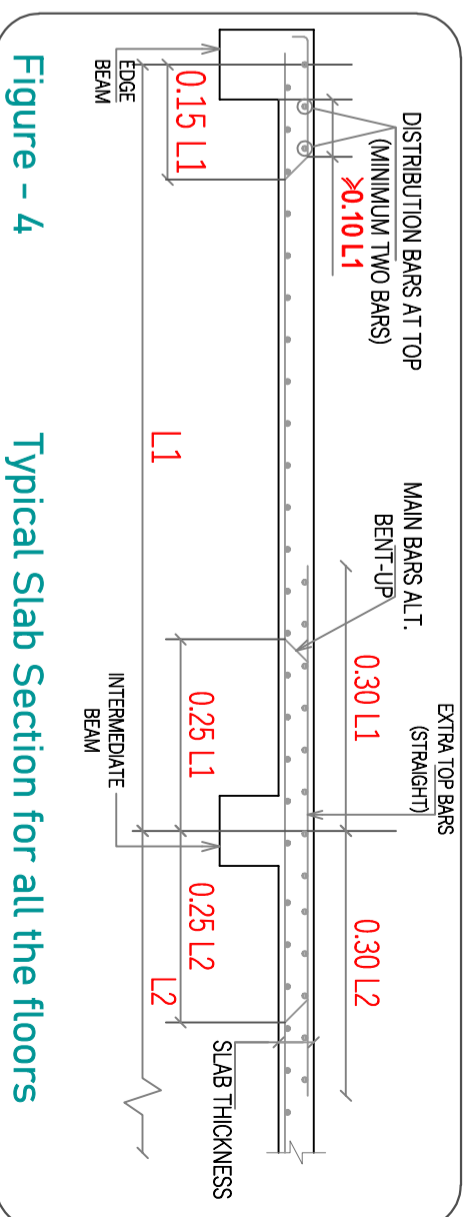


Figure - 4

Typical Slab Section for all the floors

SITE NOTES  
IF ANY

22/02/2022 SCALE - NTS R-1 \*A3 PRINTS\* SHEET - 36

3rd Floor SLAB & DETAILS Mr. SUMIT JI

SHEET TITLE GOOD FOR CONSTRUCTION

PROJECT BY:-

Drw No	Drw Table
Drw - 1	3rd SLAB LAYOUT
Drw - 2	3rd SLAB PLAN & DETAILS
Drw - 3	3rd SLAB C/S DETAILS

Archi Sign & Stamp	Structure Sign & Stamp
HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD	HRK_GFC
24.2.2022	24.2.2022

Ar. SHWETA SHUKLA  
 #228, Tricity Trade Tower, Adjacent Hotel  
 Radisson, Patiala Road, Zirakpur (Punjab).  
 +91-99151 39867 13decor.tpg@gmail.com

CHK	DRW	HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD
AKA	PH	24/4# AXIS ANTARA BEGUR-KORPA OFF MAIN ROAD AKSHAYNAGAR BLR-560068
HRK/A.:TPG/GFC/13/11	HRKD/13/02/22/2022	+91-9343 01 1313

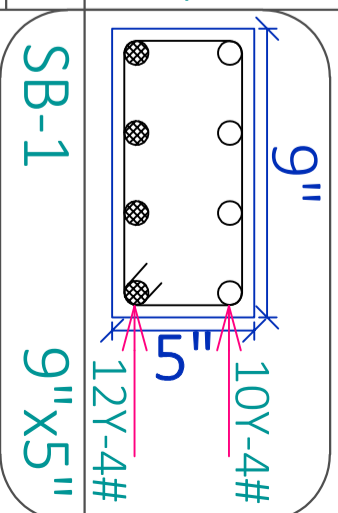
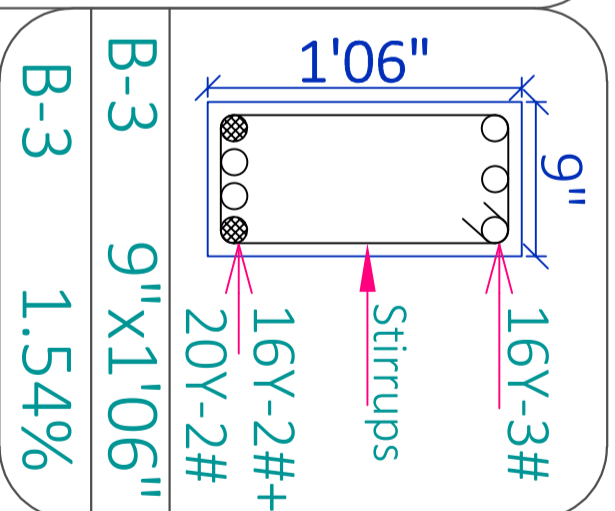
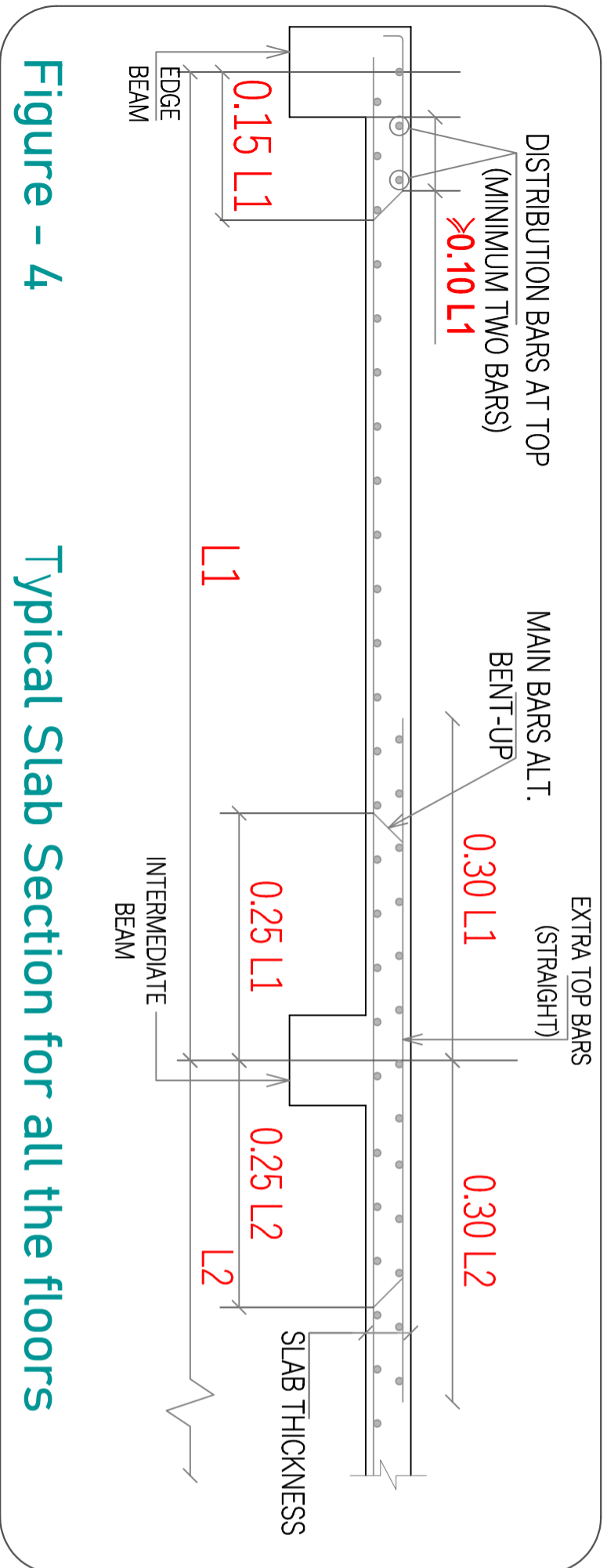
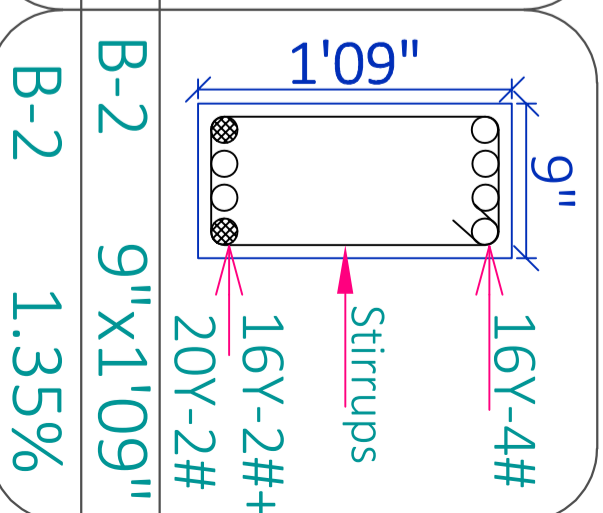
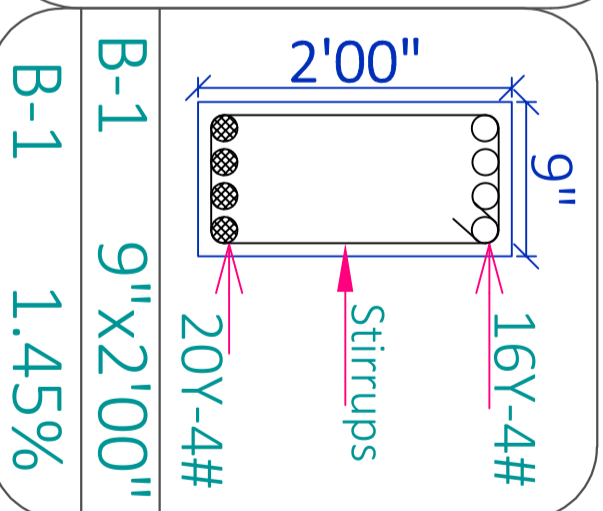
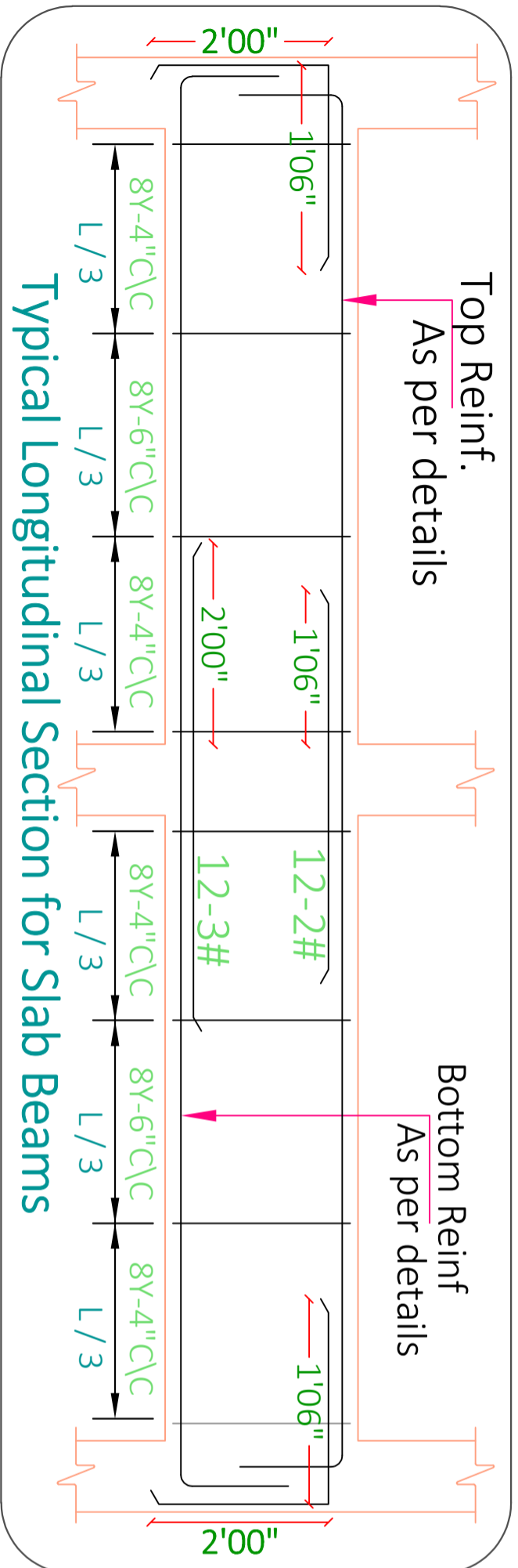


Figure - 4

Typical Slab Section for all the floors

**8mm** Dia Bent-up bars @ 8" C/C  
**8mm** Dia Straight bars @ 8" C/C  
**10mm** Dia Extra bars @ 1' C/C (Junctions & Ends)

**Slab Thickness = 6"**

- LARGER DIA REINFORCEMENT BAR
- SMALLER DIA REINFORCEMENT BAR

SITE NOTES  
IF ANY

22/02/2022 SCALE - NTS R-1 \*A3 PRINTS\*  
SHEET TITLE GOOD FOR CONSTRUCTION

SHEET - 37

3rd Floor BEAM & SLAB DETAILS

Mr. SUMIT JI

Drw No	Drw Title
Drw - 1	3rd BEAMS & SLAB DETAILS
Drw - 2	3rd BEAMS & SLAB C/S DETAILS
Drw - 3	

Drw No	Drw Title
Drw - 1	3rd BEAMS & SLAB DETAILS
Drw - 2	3rd BEAMS & SLAB C/S DETAILS
Drw - 3	

PROJECT BY:-  
Ar. SHWETA SHUKLA  
#228, Tricity Trade Tower, Adjacent Hotel  
Radisson, Patiala Road, Zirakpur (Punjab).  
+91-99151 39867 13decor.tpg@gmail.com

CHK	DRW	PH
AKA		
HRK/A.:TPG/GFC/13/11	HRK/A.:TPG/GFC/13/11	
HRKD/13/02/22/2022		



Sr.No	Description
33	Conc qty in TF Col's
34	Steel Reinf. In TF Col's
35	Conc qty in TF Beam's
36	Steel Reinf. in TF Beam's
37	Conc qty in TF Slab
38	Steel Reinf. in TF Slab
39	Qty of Conc & Segregated Reinf. Bar's in TF

33. Conc qty in TF Col's (M3)						
Column	No	L (M)	B (M)	D (M)	Qty(M3)	T.Qty (M3)
C1-9"x2'00" (0.23 x 0.61)M	11	0.23	0.61	3.20	5.00	
C2-9"x1'06" (0.23 x 0.46)M	3	0.23	0.46	3.20	2.00	
C3-1'00"x2'00" (0.30 x 0.61)M	9	0.30	0.61	3.20	6.00	
					<b>Total (M3)</b>	<b>13.00</b>

34. Steel Reinf. in TF Col's (Kg's)					
Sr.No	Col's	No's	Col's Size	Reinf. Bar	Steel Reinf. Qty For GF Col's (Kg's)
1	C1	11	9" x 2'00" (0.23 x 0.61)M	16mmØ-12I#	950.88
2	C2	3	9" x 1'06" (0.23 x 0.46)M	8mmØ @6" c/c	170.92
3	C3	9	1'00" x 2'00" (0.23 x 0.61)M	16mmØ-10#	216.11
				8mmØ @6" c/c	38.44
				20mmØ-14#	1418.21
				8mmØ @6" c/c	151.29
				<b>Total (Kg's)</b>	<b>2946.00</b>

35. Conc qty in TF Beam's (M3)						
Beam	No	L (M)	B (M)	D (M)	Qty(M3)	T.Qty (M3)
B1-1'00"x2'00" (0.30 x 0.61)M	1	75.37	0.30	0.61	11.00	
B2-9"x2'00" (0.23 x 0.61)M	1	39.63	0.23	0.61	5.00	
B3-9"x1'06" (0.23 x 0.46)M	1	74.15	0.30	0.46	8.00	
B4-9"x1'03" (0.23 x 0.38)M	1	7.59	0.23	0.38	1.00	
				<b>Total (M3)</b>		<b>25.00</b>

37. Conc qty in TF Slab (M3)						
Slab	No	L (M)	B (M)	D (m)	Qty(M3)	T.Qty (M3)
Slab-6" or 150mm Thick	1	228.45		0.15	35.00	
				<b>Total (M3)</b>		<b>35.00</b>

36. Steel Reinf. In TF Beam's (Kg's)					
Sr.No	Beam's	No's	Beam Size	Reinf. Bar	Steel Reinf. Qty For GF Beam's (Kg's)
1	B1	1	1'00"x2'00" (0.30 x 0.61)m	16mmØ -4	476.41
				20mmØ -4	744.40
				8mmØ @4"C/C	551.80
2	B2	1	9"x2'00" (0.23 x 0.61)m	16mmØ -6	375.75
				20mmØ -2	195.70
				8mmØ @4"C/C	268.87
3	B3	1	9"x1'06" (0.23 x 0.46)m	16mmØ -7	586.00
				8mmØ @4"C/C	268.87
4	B4	1	9"x1'03" (0.23 x 0.38)M	16mmØ -4	47.98
				12mmØ -2	13.49
				8mmØ @4"C/C	38.02
5	Slab Beam (SB)	1	9"x5" (0.23 x 0.13)m	10mmØ -4	39.97
				12mmØ -4	57.56
				8mmØ @4"C/C	29.62
				<b>Total (Kg's)</b>	<b>3695.00</b>

38. Steel Reinf. In SF Slab (Kg's)						
Sr.No	Slab	No's	L (M)	Reinf. Bar	Steel Reinf. in FF Slab (Kg's)	25.Qty of Conc & Segregated Reinf.Bar's qty in TF
1	Slab (6" or 150mm Thick)	1	12	8mmØ	1763.56	
				8mmØ	6275.16	
				10mmØ	574.00	
				<b>Total (Kg's)</b>	<b>8613.00</b>	
						<b>Total</b>
						<b>75.00</b>
						<b>12403</b>

**Total Qty of Conc & Steel in Third Floor**

SITE NOTES  
IF ANY

22/02/2022 SCALE - NTS R-1 \*A3 PRINTS\*  
SHEET TITLE GOOD FOR CONSTRUCTION

SHEET - 38

3rd FLOOR QTY DETAILS

Mr. SUMIT JI

Drw No  
Drw - 1  
Drw - 2  
Drw - 3

CONC QTY DETAILS  
STEEL REINF. QTY DETAILS

Archi Sign & Stamp  
HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD  
HRK\_GFC  
24.2.2022

PROJECT BY:-  
Ar. SHWETA SHUKLA  
#228, Tricity Trade Tower, Adjacent Hotel Raddisson, Patiala Road, Zirakpur (Punjab).  
+91-99151 39867 13decor.tpg@gmail.com

CHK AKA  
DRW PH  
HRK/A:TPG/GFC/13/11  
HRKD/13/02/22/2022

HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD  
24/4# AXIS ANTARA BEGUR-KOPPA OFF MAIN ROAD AKSHAYNAGAR BLR-560068



4	Back-Filling from EL upto NGL								
	F1 - 6'00 x 8'00	5	1.83	2.44	1.10	25.00			
	F2 - 5'06" x 7'00"	1	1.68	2.13	1.10	4.00			
	F3 - 9'00 x 7'00	5	2.74	2.13	1.07	32.00			
	F4 - Irregular shape	1	18.60		1.10	21.00			
	F5 - 7'00 x 15'06"	1	2.13	4.73	1.10	12.00			
	F6 - Irregular shape	1	12.56		1.10	14.00			
	F7 - Irregular shape	1	9.30		1.10	11.00			
						119.00			
					Add 25% Extra	29.75			
					Total	148.75			
					<b>Total PCC (1:3:6) for Footings Foundation</b>	<b>149.00</b>		<b>M3</b>	
5	RCC (M-25) For Ground Floor								
5.A	GF Beams								
	B1 - 1'00"x2'00"	1	52.00	0.30	0.61	10.00			
	B2 - 9"x2'00"	1	78.00	0.23	0.61	11.00			
	B3 - 9"x1'06"	1	53.00	0.23	0.46	6.00			
					<b>RCC GF Beam (M-25)</b>	<b>27.00</b>			
5.B	Ground Floor Slab Slab Thick - 6" or 150mm	1	228.45		0.15	35.00			
	M-25 for Slab must be used								
					<b>RCC GF Slab (M-25)</b>	<b>35.00</b>			
5.C	Ground Floor Col's RCC (M-25)								
	C1-9"x2'00"	11	0.23	0.61	3.20	5.00			
	C2-9"x1'06"	3	0.23	0.46	3.20	2.00			
	C3-1'00"x2'00"	9	0.30	0.61	3.20	6.00			
					<b>RCC GF Col's (M-25)</b>	<b>13.00</b>			
					<b>5.A + 5.B + 5.C</b>	<b>Total RCC for GF (Beams+Slab+Col's)</b>	<b>75.00</b>	<b>M3</b>	
6	RCC (M-25) For FirstFloor								
6.A	FF Beam's								
	B1 - 1'00"x2'00"	1	52.00	0.30	0.61	10.00			
	B2 - 9"x2'00"	1	78.00	0.23	0.61	11.00			
	B3 - 9"x1'06"	1	53.00	0.23	0.46	6.00			
					<b>RCC FF Beams (M-25)</b>	<b>27.00</b>			
6.B	First Floor Slab Slab Thick - 6" or 150mm	1	228.45		0.15	35.00			
	M-25 for Slab must be used								
					<b>RCC GF Col's (M-25)</b>	<b>35.00</b>			
6.C	First Floor Col's RCC (M-25)								
	C1-9"x2'00"	11	0.23	0.61	3.20	5.00			
	C2-9"x1'06"	3	0.23	0.46	3.20	2.00			
	C3-1'00"x2'00"	9	0.30	0.61	3.20	6.00			
					<b>RCC GF Col's (M-25)</b>	<b>13.00</b>			
					<b>6.A+6.B+6.C</b>	<b>Total RCC for FF (Beams+Slab+Col's)</b>	<b>75.00</b>	<b>M3</b>	
7	Second Floor Beams RCC (M-25)								
7.A	SF Beam's								
	B1 - 1'00"x2'00"	1	51.22	0.30	0.61	10.00			



11	Anti-Termite below Plinth LVL considering 2' extra all around 2910 Sq.Ft or 271 Sq.Mt	1	271.00			271.00			
							<b>Total Anti-Termite</b>	<b>271.00</b>	<b>M2</b>
12	Brick masonry wall								
	Ground Floor								
	Considering 9" THK wall all around for commercial building part Considering 12' Ht	1	77.13	0.23	3.66	65.00			
							<b>Total 9" Thk Brick masonry in Ground Floor</b>	<b>65.00</b>	<b>M3</b>
	First Floor								
	Considering 9" THK wall all around for commercial building part Considering 12' Ht	1	77.13	0.23	3.66	65.00			
							<b>Total 9" Thk Brick masonry in First Floor</b>	<b>65.00</b>	<b>M3</b>
	Second Floor								
	Considering 9" THK wall all around for commercial building part Considering 12' Ht	1	77.13	0.23	3.66	65.00			
							<b>Total 9" Thk Brick masonry in Second Floor</b>	<b>65.00</b>	<b>M3</b>
	3rd Floor								
	Considering 9" THK wall all around External Building Face	1	97.00	0.23	3.66	82.00			
	Considering 4.5" THK wall all around Internal Building Face	1	68.00	0.12	3.66	29.00			
							<b>Total Brick masonry in 3rd Floor</b>	<b>111.00</b>	<b>M3</b>
13	External Face Plaster 15-20mm THK 2Layer (1:6)								
	Considering 12' Ht								
	GF - 78m(L)	1	78.00	-	3.66	285.37			
	FF - 78m(L)	1	78.00	-	3.66	285.37			
	SF - 78m(L)	1	78.00	-	3.66	285.37			
	3rd -	1	90.00	-	3.66	329.27			
						1185.37			
						Add 10% Extra	118.54		
							<b>Total External Face Plaster</b>	<b>1304.00</b>	<b>M2</b>
14	Internal Face Plaster 12-15mm THK plaster (1:6)								
	Includes Slab bottom + Bottom face of Stair case + Balcony bottom + Balcont front face (Considering upto 2'HT *2Face)								
	GF	1	414.38	-	3.66	1516.02			
	FF	1	414.38	-	3.66	1516.02			
	SF	1	414.38	-	3.66	1516.02			
	3rd	1	555.08	-	3.66	2030.78			
						6578.83			
						Add 10% Extra	657.88		
							<b>Total Internal Face Plaster</b>	<b>7237.00</b>	<b>M2</b>





<b>F7 - Irregular Shape</b>						
Bottom Jali (BJ) @ 4"/100mm C/C						
	BJ - 12mm Dia in X - Dir	1	38.00	4.58	0.89	154.72
	BJ - 12mm Dia in Y - Dir	1	38.00	4.58	0.89	154.72
Top Jali @ 4"/100mm C/C						
	TJ - 12mm Dia in X - Dir	1	29.00	3.54	0.89	91.35
	Bottom Jali - 12mm Dia in Y - Dir	1	29.00	3.54	0.89	91.35
			<b>F7</b>	<b>Steel Qty for F7 12mm Dia bar</b>		<b>493.00</b>
			<b>Total Steel Reinf Qty for Col's Upto PL</b>		<b>7632.00</b>	<b>Kg's</b>
2	Steel TMT Bar's for Col's Upto Plinth Level					
	C1 - 9" x 2'00"	11				
	16mmØ -		6.00	2.73	1.58	284.65
	20mmØ -		6.00	2.73	2.47	444.77
	8mmØ -		14.00	1.71	0.40	104.04
			<b>C1</b>	<b>Steel Reinf Qty for C1 Upto PL</b>		<b>834.00</b>
	C2 - 9" x 1'06"	3				
	16mmØ -		6.00	2.73	1.58	77.63
	20mmØ -		4.00	2.73	2.47	80.87
	8mmØ -		14.00	1.41	0.40	23.40
			<b>C2</b>	<b>Steel Reinf Qty for C2 Upto PL</b>		<b>182.00</b>
	C3 - 1'00x 2'00	9				
	20mmØ -		6.00	2.73	2.47	363.90
	25mmØ -		8.00	2.73	3.86	758.13
	8mmØ -		14.00	1.85	0.40	92.09
			<b>C3</b>	<b>Steel Reinf Qty for C3 Upto PL</b>		<b>1215.00</b>
			<b>Total Steel Reinf Qty for Col's Upto PL</b>		<b>2231.00</b>	
3	Steel TMT Bar's For Plinth Beam					
	P.B - 9"x1'06" (0.23 X 0.46)m	1				
	16mmØ -		5.00	140.85	1.58	1112.89
	20mmØ -		2.00	140.85	2.47	695.56
	8mmØ -		928	1.41	0.40	516.93
			<b>PB</b>	<b>Steel Reinf Qty for PB</b>		<b>2326.00</b>
4	Steel TMT Bar's For Ground Floor LVL					
4.A	Steel TMT Bar's For Col's					
	C1 - 9" x 2'00"	11				
	16mmØ -		6.00	4.56	1.58	475.44
	20mmØ -		6.00	4.56	2.47	742.87
	8mmØ -		23	1.71	0.40	170.92
			<b>C1</b>	<b>Steel Reinf Qty Of C1 For FF LVL</b>		<b>1390.00</b>
	C2 - 9" x 1'06"	3				
	16mmØ -		6.00	4.56	1.58	129.67
	20mmØ -		4.00	4.56	2.47	135.07
	8mmØ -		23.00	1.41	0.40	38.44
			<b>C2</b>	<b>Steel Reinf Qty Of C2 For FF LVL</b>		<b>304.00</b>
	C3 - 1'00x 2'00	9				
	20mmØ -		6.00	4.56	2.47	607.80
	25mmØ -		8.00	4.56	3.86	1266.26
	8mmØ -		23.00	1.55	0.40	126.76
			<b>C3</b>	<b>Steel Reinf Qty Of C3 For FF LVL</b>		<b>2001.00</b>
			<b>Total Steel Reinf Qty Of Col's For GF</b>		<b>3695.00</b>	
4.B	Steel TMT Bar's For Beam's					
	B1 - 1'00"x2'00" (0.30 x 0.61)m	1				
	20mmØ -		8.00	52.00	2.47	1027.16
	25mmØ -		3.00	52.00	3.86	601.85
	8mmØ -		521	1.85	0.40	380.78



	16mmØ -		5.00	53	1.58	418.77	
	20mmØ -		2.00	53	2.47	261.73	
	8mmØ -		531	1.41	0.40	295.79	
			<b>B3</b>		<b>Steel Reinf Qty Of B3 For FF LVL</b>		<b>977.00</b>
	Slab Beam (SB) 9"x5" (0.23 x 0.13)m	1					
	10mmØ -		4.00	28.00	0.62	69.14	
	12mmØ -		4.00	28.00	0.89	99.56	
	8mmØ -		281	0.75	0.40	83.26	
			<b>SB</b>		<b>Steel Reinf Qty Of SB For FF LVL</b>		<b>252.00</b>
					<b>Total Steel Reinf Qty Of Beam's For FF LVL</b>		<b>5477.00</b>
5.C	Steel TMT Bar's For Slab (6" or 150mm Thick)	1					
	8mmØ -		372.0	12.00	0.40	1763.56	
	8mmØ -		722.0	22.00	0.40	6275.16	
	10mmØ -		610.0	1.52	0.62	574.00	
			<b>Slab</b>		<b>Steel Reinf Qty Of Slab For FF LVL</b>		<b>8613.00</b>
			<b>5.A+5.B+5.C</b>		<b>Total Steel Reinf Qty for FF LVL</b>		<b>17810.00</b>
							<b>Kg's</b>
6	Steel TMT Bar's for Second Floor						
6.A	Steel TMT Bar's For Col's						
	C1 - 9" x 2'00"	11					
	16mmØ -		6.00	4.56	1.58	475.44	
	20mmØ -		6.00	4.56	2.47	742.87	
	8mmØ -		23	1.71	0.40	170.92	
			<b>C1</b>		<b>Steel Reinf Qty Of C1 For SF LVL</b>		<b>1390.00</b>
	C2 - 9" x 1'06"	3					
	16mmØ -		6.00	4.56	1.58	129.67	
	20mmØ -		4.00	4.56	2.47	135.07	
	8mmØ -		23.00	1.41	0.40	38.44	
			<b>C2</b>		<b>Steel Reinf Qty Of C2 For SF LVL</b>		<b>304.00</b>
	C3 - 1'00x 2'00	9					
	20mmØ -		6.00	4.56	2.47	607.80	
	25mmØ -		8.00	4.56	3.86	1266.26	
	8mmØ -		23.00	1.85	0.40	151.29	
			<b>C3</b>		<b>Steel Reinf Qty Of C3 For SF LVL</b>		<b>2026.00</b>
					<b>Total Steel Reinf Qty Of Col's For SF LVL</b>		<b>3720.00</b>
6.B	Steel TMT Bar's For Beam's						
	B1 - 1'00"x2'00" (0.30 x 0.61)m	1					
	20mmØ -		11.00	52.00	2.47	1412.35	
	8mmØ -		521	1.85	0.40	380.78	
			<b>B1</b>		<b>Steel Reinf Qty Of B1 For SF LVL</b>		<b>1794.00</b>
	B2 - 9"x2'00" (0.23 x 0.61)m	1					
	20mmØ -		10.00	78.00	2.47	1925.93	
	8mmØ -		781	1.71	0.40	527.61	
			<b>B2</b>		<b>Steel Reinf Qty Of B2 For SF LVL</b>		<b>2454.00</b>
	B3 - 9"x1'06" (0.23 x 0.46)m	1					
	16mmØ -		7.00	53	1.58	586.27	
	8mmØ -		531	1.41	0.40	295.79	
			<b>B3</b>		<b>Steel Reinf Qty Of B3 For SF LVL</b>		<b>883.00</b>
	Slab Beam (SB) 9"x5" (0.23 x 0.13)m	1					
	10mmØ -		4.00	28.00	0.62	69.14	
	12mmØ -		4.00	28.00	0.89	99.56	
	8mmØ -		281	0.75	0.40	83.26	
			<b>SB</b>		<b>Steel Reinf Qty Of SB For SF LVL</b>		<b>252.00</b>



