

- 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.

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

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.

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

SHEET - A GENERAL LAW'S

G+5 @Buidhana MH

<b>SHEET TITLE</b>	<b>GOOD FOR CONSTRUCTION</b>	<b>PROJECT BY:-</b>	
<b>Drw No</b>	<b>LIST OF CONTENT</b>	NAKSHHEWALA.COM AL-AHAD SOLUTIONS PVT. LTD.	
<b>Drw - 1</b>	Reinforcement Details As Per IS : 456	C-37 2nd Floor SEC - 6, NOIDA, 201301	
<b>Drw - 2</b>	Concrete Law's	U.P INDIA +91 9312739997	
<b>Drw - 3</b>	General Law's	support@nakshhewala.com	

<b>CHK</b>	<b>DRW</b>	HRK_Designs Structure Consultants India PVT.LTD
<b>AKA</b>	<b>PH</b>	India's Leading Structure + MEP Consultants
<b>HRKD/STR/03/18/22</b>		Varena Bagell Road TPO Coloni Sector 13 Vardola - 390011 www.hrkdsgns.in nakshate@hrkdsgns.in +91-9380 930 347
<b>HRKD/STR/GFC/18/03/22</b>		

# INDEX

S-1	Plot line Details
S-2-4	Center line Details
S-5-9	Foot's Plan & Details
S-10	PB Plan & Details
S-11-13	LGF Beam Plan & Details
S-14-16	UGF Beam Plan & Details
S-16-18	FF Beam Plan & Details
S-19-21	SF Beam & Slab Details
S-22	Col's C/S Details
S-23-25	3F Beam & Slab Details
S-26-28	4F Beam & Slab Details
S-29-31	5F Beam & Slab Details

### \*\*\*\*\*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 & Conceting 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)
- Columns - M:25 (1:1.5:3)
- Beams - M:25 (1:1.5:3)
- Footings - M:25 (1:1.5:3)
- Foundation-M:25 (1:1.5:3)
- Pedestals M:25 (1:1.5:3)

SHEET - B GENERAL LAWS & SPECIFICATIONS	G+5 @Budhana MH
SHEET TITLE GOOD FOR CONSTRUCTION	PROJECT BY:-
DRW No LIST OF CONTENT	NAKSHEWALA.COM AL-AHAD SOLUTIONS PVT. LTD.
DRW - 1 INDEX	C-37 2nd Floor SEC - 6, NOIDA, 201301
DRW - 2 GENERAL STRUCTURE	U.P INDIA +91 9312739997
DRW - 3 GRADE OF CONCRETE	support@nakshewala.com

- INDICATES HIGHER DIA BARS
- INDICATES SMALLER DIA BARS

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

### GENERAL NOTES

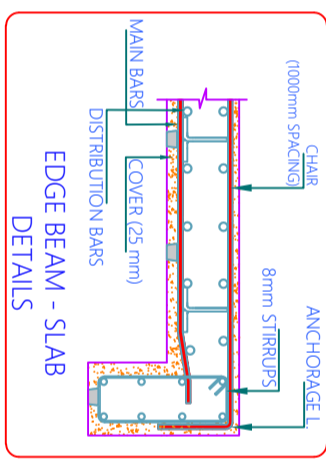
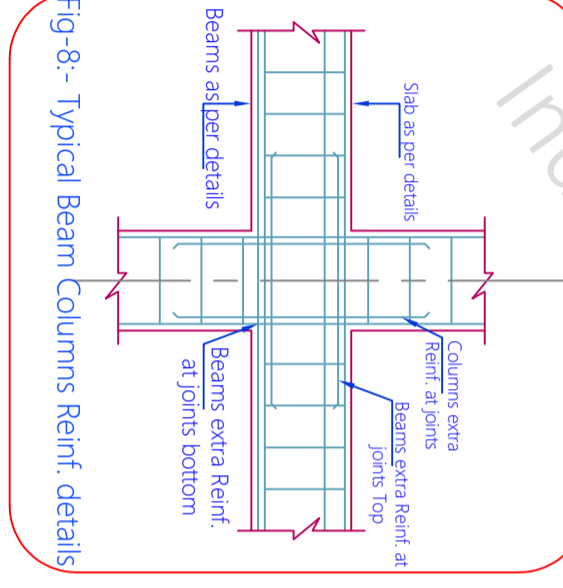
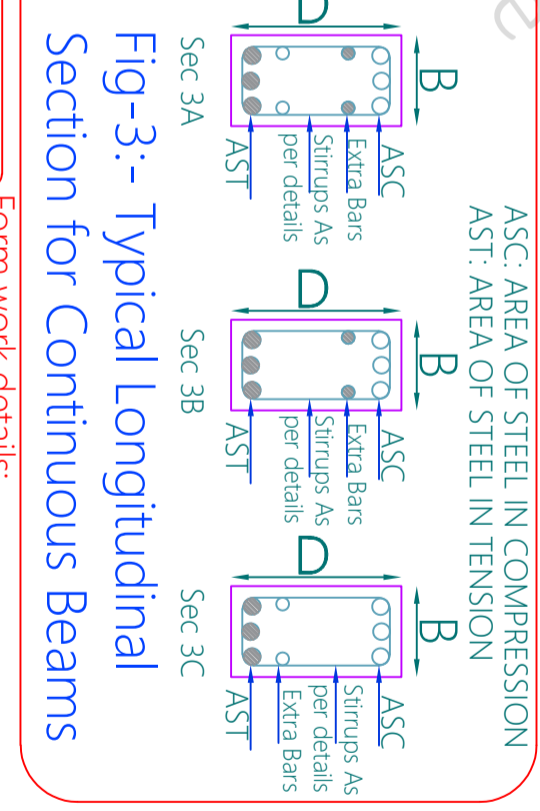
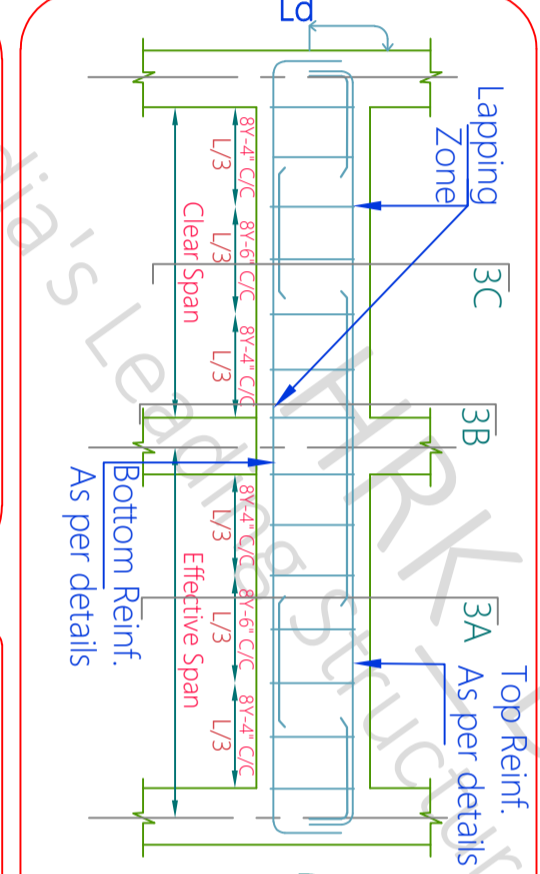
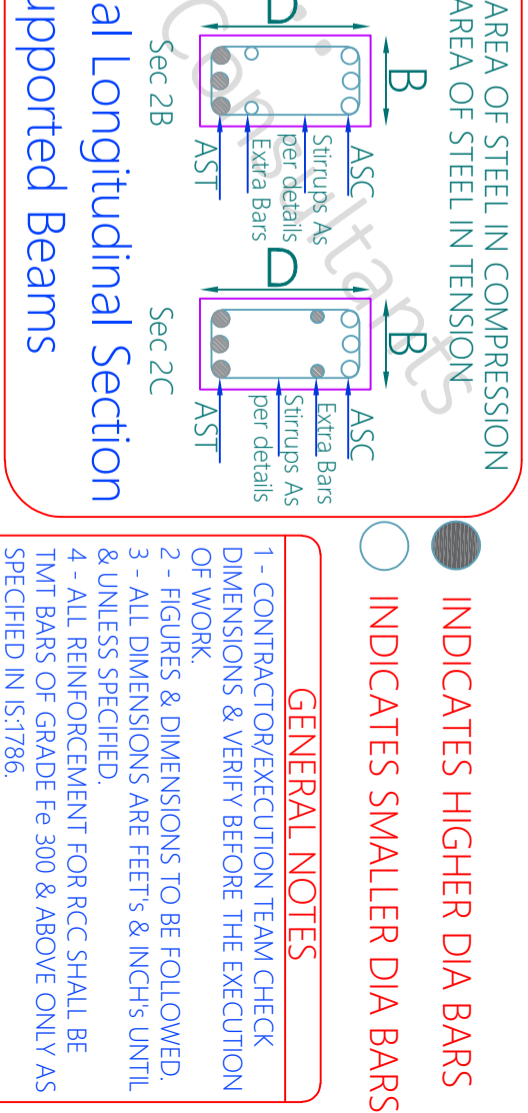
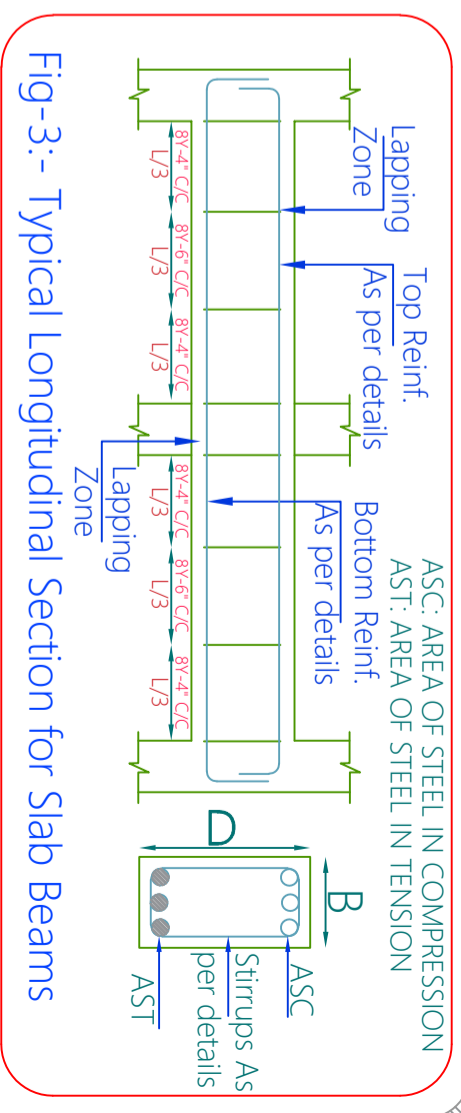
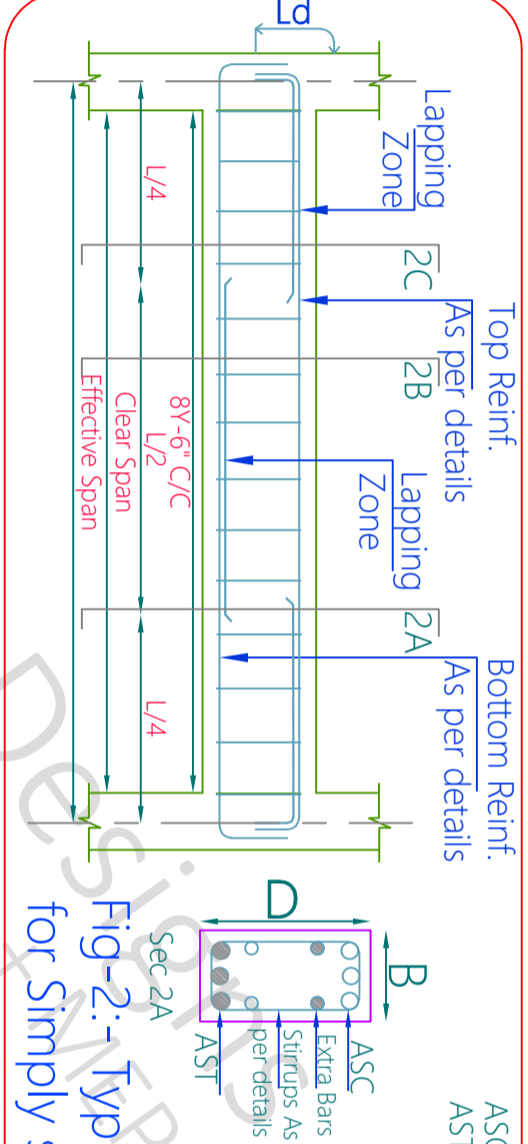
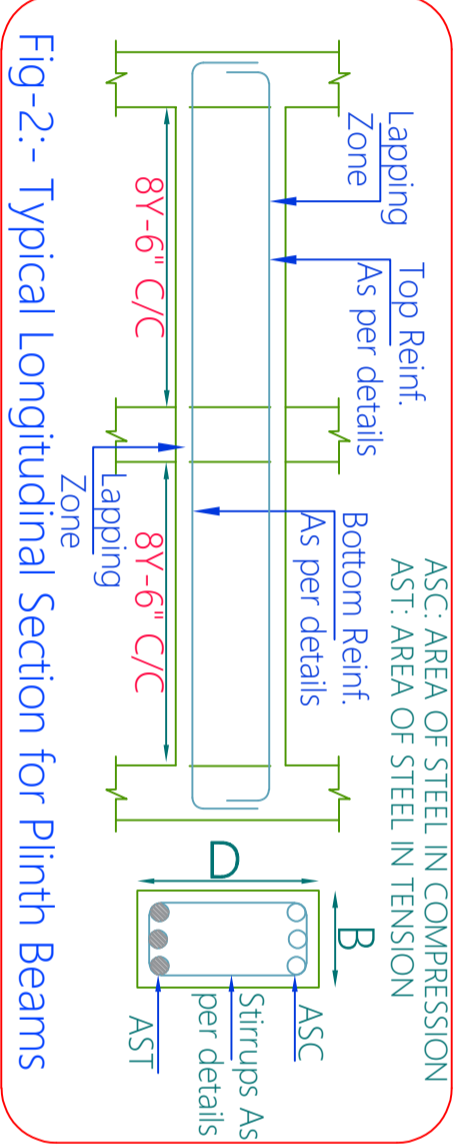
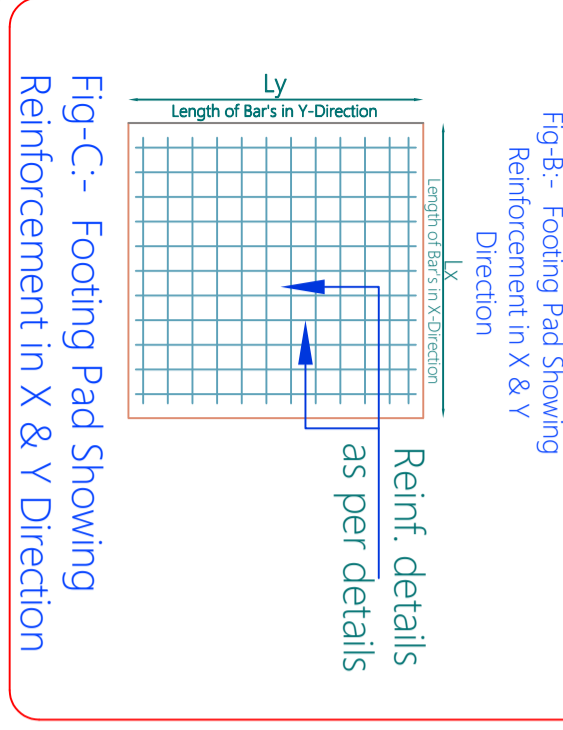
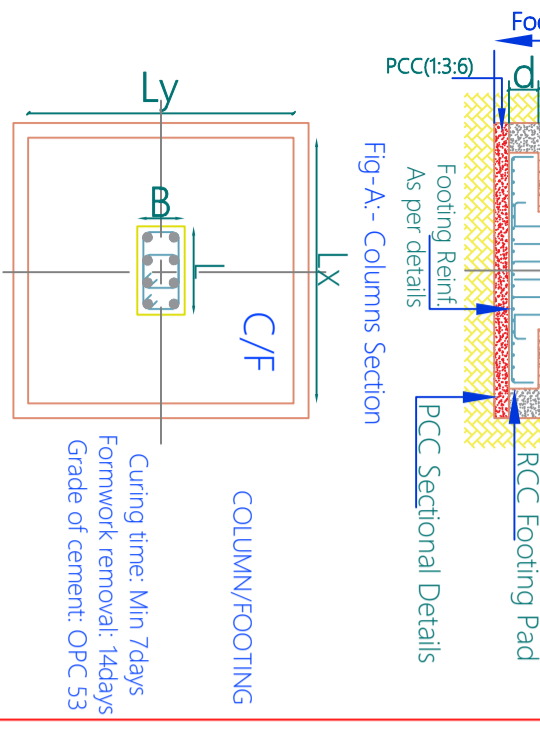
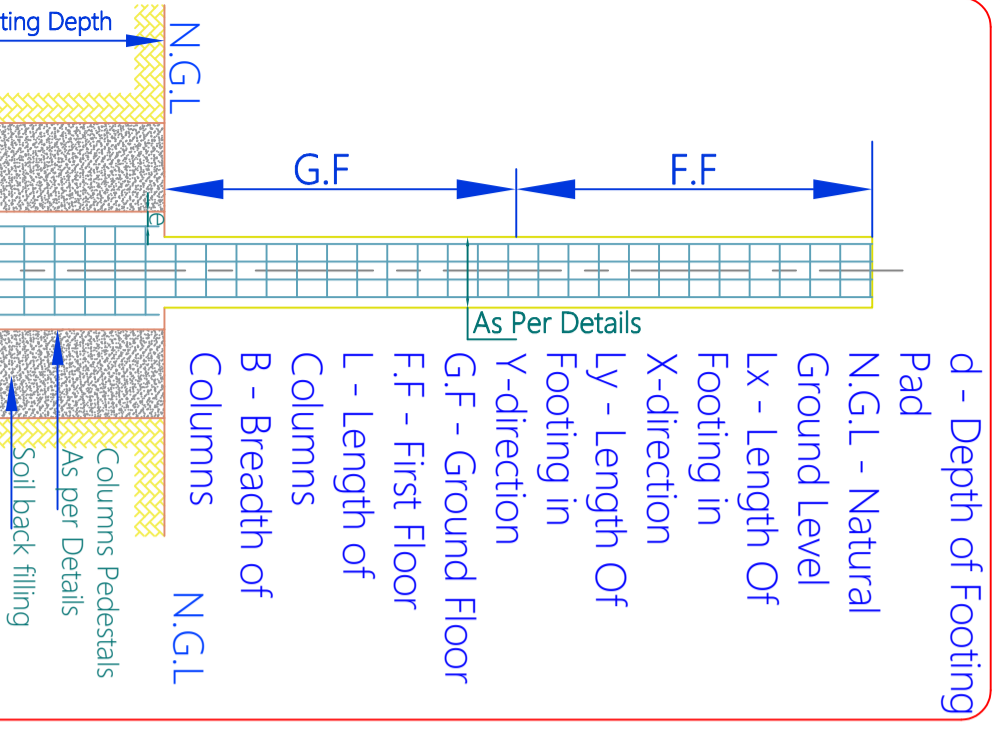
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SCALE - NTS	R-0
CHK DRW AKA PH	HRK Designs Structure Consultants India Pvt.LTD India's Leading India's Leaders
HRKD/STR/03/18/22	HRK Designs Structure Consultants India's Leading India's Leaders
HRKD/STR/GFC/18/03/22	HRK Designs Structure Consultants India's Leading India's Leaders





SHEET - C GENERAL FIGURES		G+5 @Buidhana MH	
SHEET TITLE GOOD FOR CONSTRUCTION		PROJECT BY:-	
DRAW NO LIST OF CONTENT		NAKSHHEWALA.COM AL-AHAD SOLUTIONS PVT. LTD.	
DW - 1	Reinforcement Details As Per IS 456	C-37 2nd Floor SEC - 6, NOIDA, 201301	U.P INDIA +91 9312739997
DW - 2	General Figure's & Specification	support@nakshhewala.com	
DW - 3			

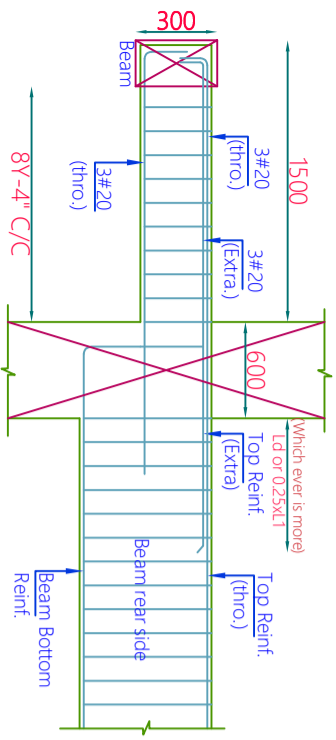
Form work details:  
The Form work shall be designed and constructed so as to remain sufficiently rigid during placing and compaction of concrete, and shall be such as to prevent loss of slurry from the concrete.

APPROVAL	
TENDER	
G.F.C	
DOCUMENT	

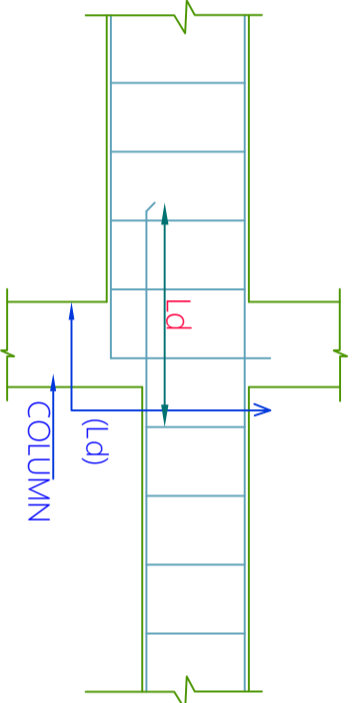
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CHK	DRW
AKA	PH
HRKD/STR/03/18/22	HRK Designs Structure Consultants India Pvt.Ltd
HRKD/STR/GFC/18/03/22	India's Leading India's Leading
	Structure + MEP Consultants
	Varna Bagel Road TPO Gdrt
	Sekari Vaidolida - 390011
	www.hrkdsgns.in
	nanahate@hrkdsgns.in
	+91-9380 930 347

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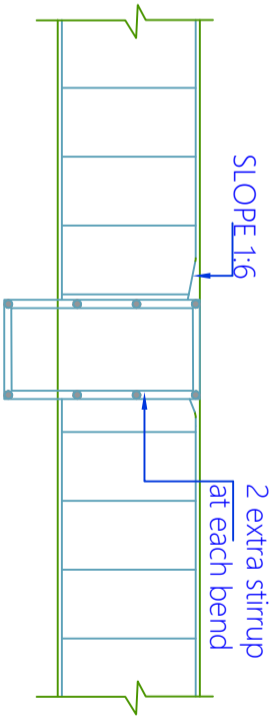
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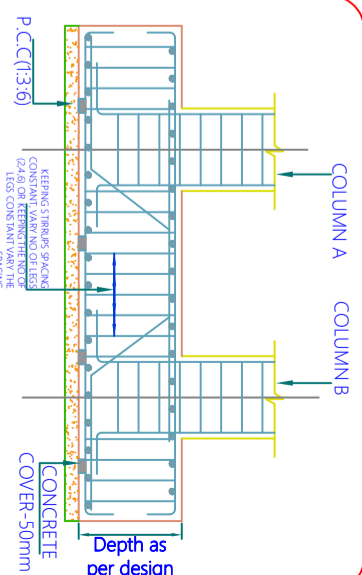
L-SEC. OF CANTILEVER BEAM



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

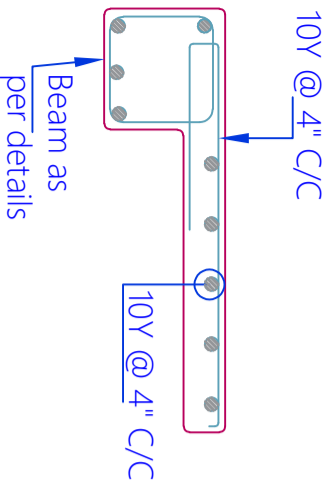


Fig-7:- Reinforcement Details for lintel cum Sunshade

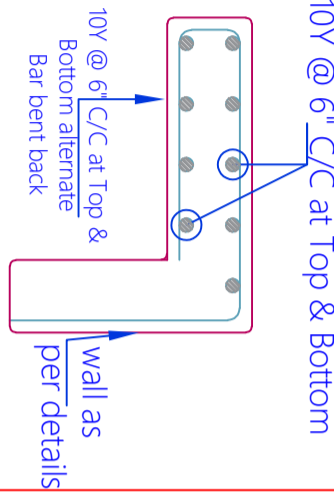


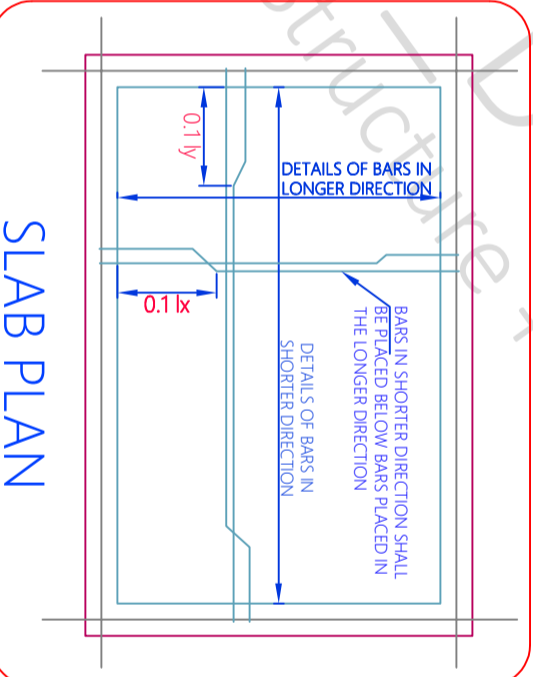
Fig-4:- Typical Slab Section for all the floors

**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..... 3.0 kPa	
TOILET AREA..... 3.0 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..... III	BASIC WIND SPEED..... 52 m/s
ZONE FACTOR (Z)..... 0.25	RISK COEFFICIENT (K1)..... 1.00
IMPORTANCE FACTOR (I)..... 1.5	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 (COMMERCIAL BUILDING) 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	

SHEET - D GENERAL FIGURES	G+5 @Buidhana MH
SHEET TITLE	GOOD FOR CONSTRUCTION
DRW No	LIST OF CONTENT
DRW - 1	Reinforcement Details As Per IS 456
DRW - 2	General Figure's & Specification
DRW - 3	

PROJECT BY:-	NAKSHHEWALA.COM AL-AHAD SOLUTIONS PVT. LTD.
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support@nakshhewala.com	
SCALE - NTS	R-0
CHK	DRW
AKA	PH
HRKD/STR/03/18/22	
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Form work details: IS456-2000 Clause 11

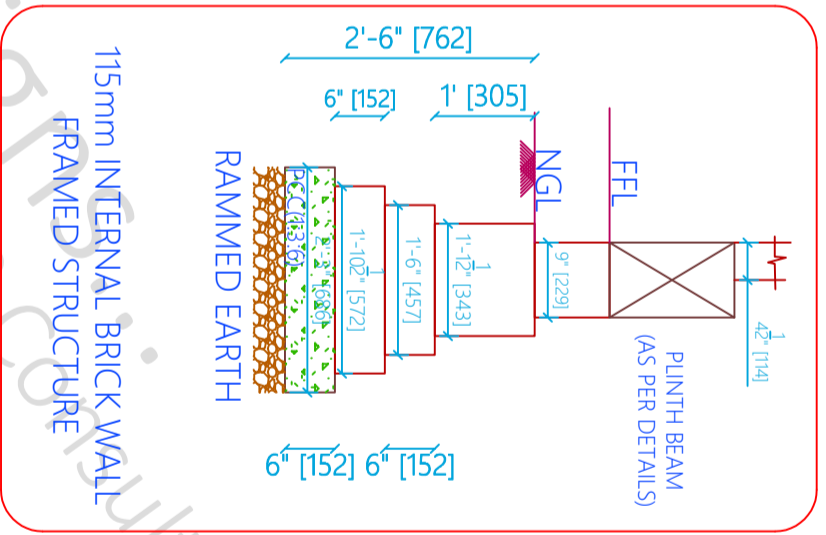
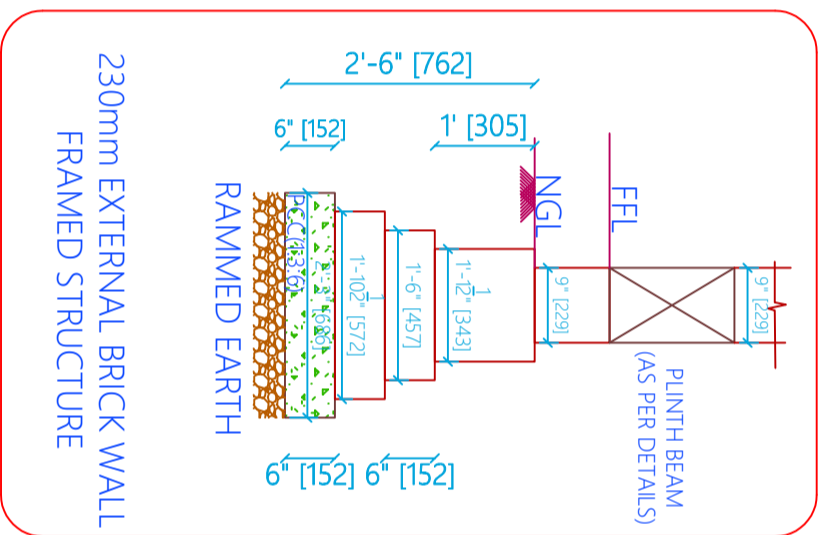
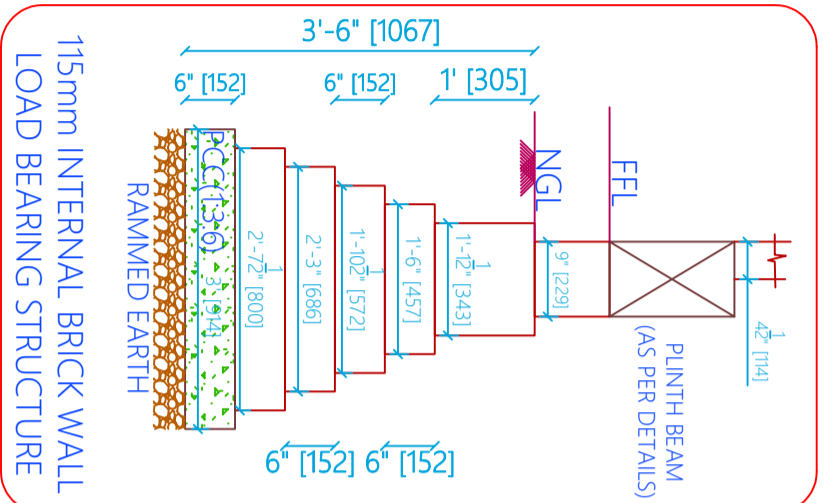
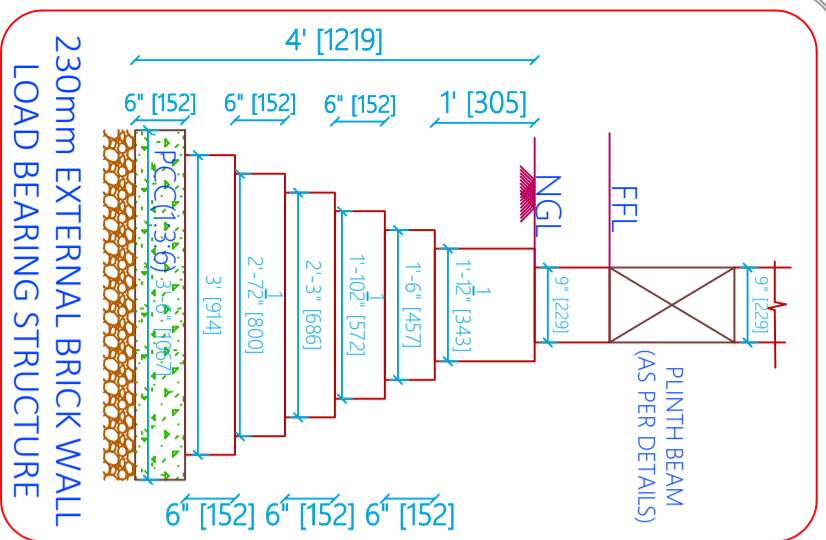
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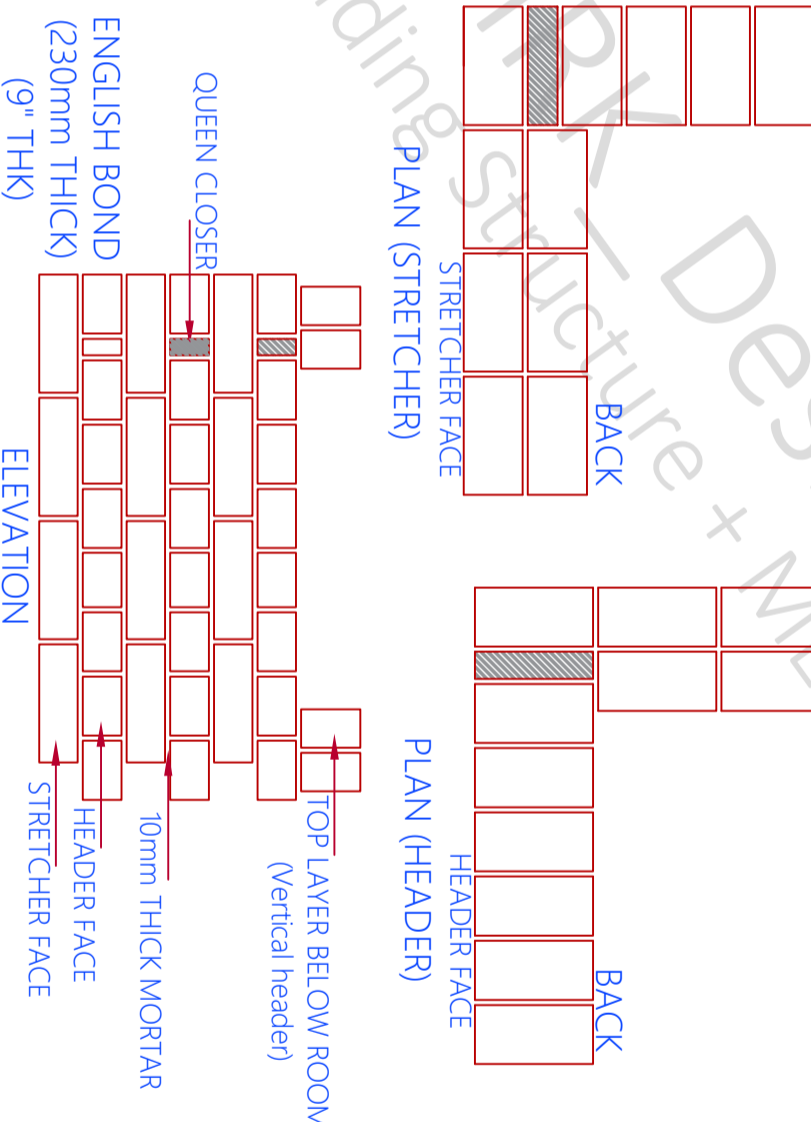
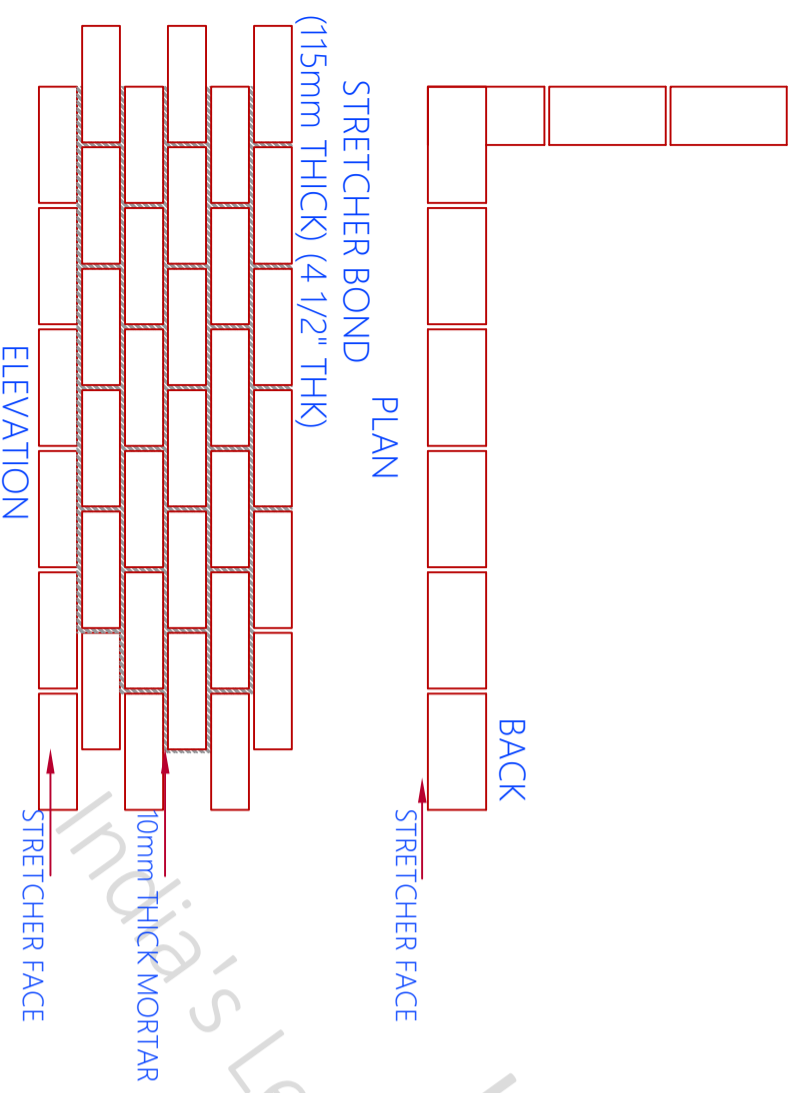
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- 1:6 - INTERNAL PLASTER/ FLOORING
  - 1:6 - BRICK MASONRY
  - 1:5 - EXTERNAL PLASTER
  - 1:4 - HALF BRICK MASONRY
  - 1:3 - CEILING PLASTER
  - 1:3 - REPAIR PLASTER
  - 1:3 - REINFORCED BRICK WORK
  - 1:3 - WATER LOGGED AREA
  - 1:1 - CEMENT GROUTING
  - 1:2 - POINT LOAD
  - 1:2 - FLOORING
  - 1:2 - STONE MASONRY
- RATIO OF CEMENT MORTAR**

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**CODES USED FOR DESIGNING**

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- IS : 1893-2002 - INDIAN STANDARD CODE OF PRACTICE FOR EARTHQUAKE RESISTANCE DESIGN OF STRUCTURE



**SECTION A-A'**

**SECTION B-B'**

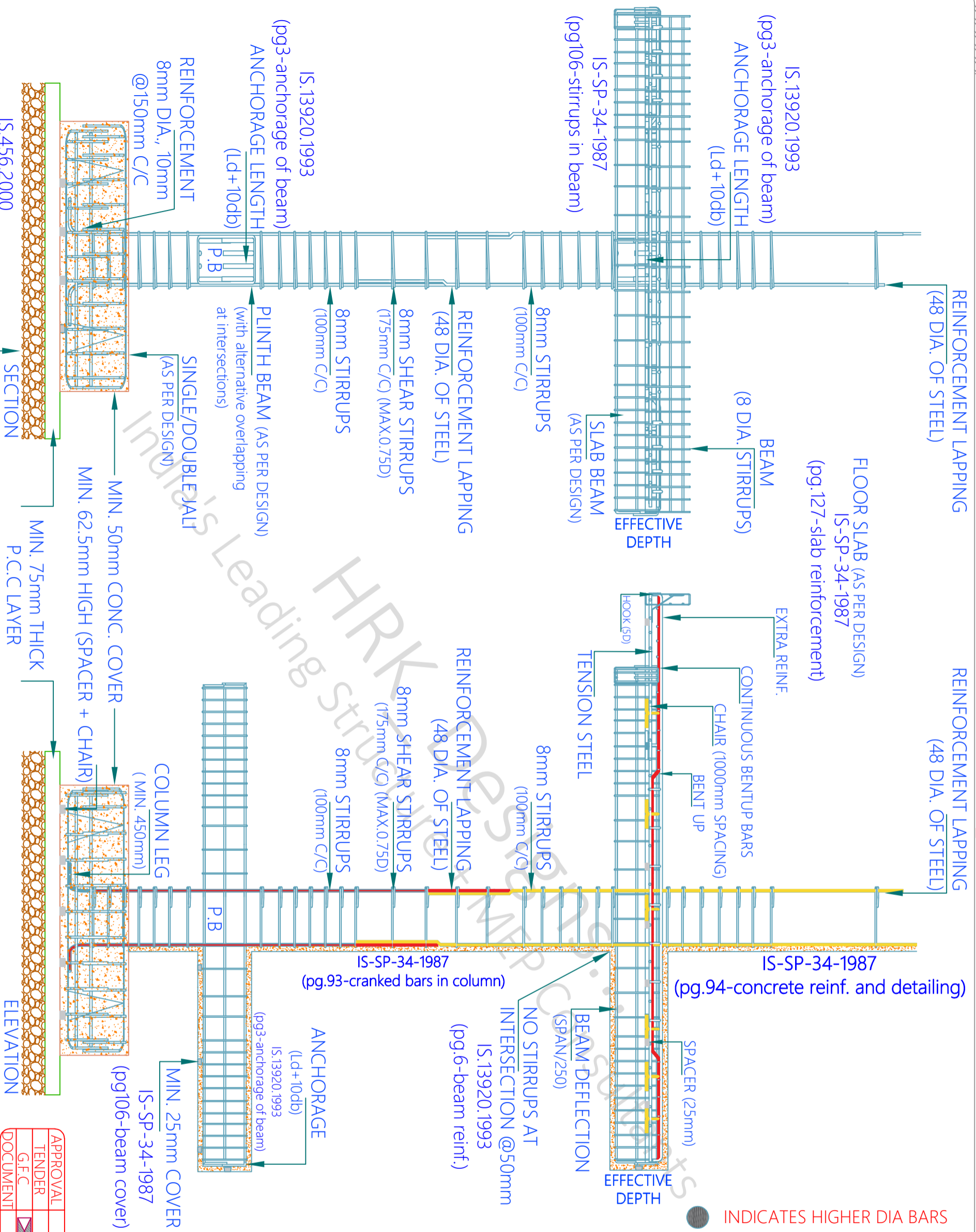
- 1-The color of bricks should be bright and uniform
- 2-They should be well burned and having smooth surfaces and sharp edges.
- 3-Thermal conductivity of bricks should be less and they should be sound proof
- 4-They shouldn't absorb more than 20% by weight when we place it in water
- 5-There should 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

SHEET - E GENERAL FIGURES		G+5 @Buidhana MH	
SHEET TITLE GOOD FOR CONSTRUCTION		PROJECT BY:-	
Drw No LIST OF CONTENT		NAKSHEWALA.COM AL-AHAD SOLUTIONS PVT. LTD.	
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Drw - 2 General Figure's & Specification		U.P INDIA +91 9312739997	
Drw - 3		support@nakshewala.com	

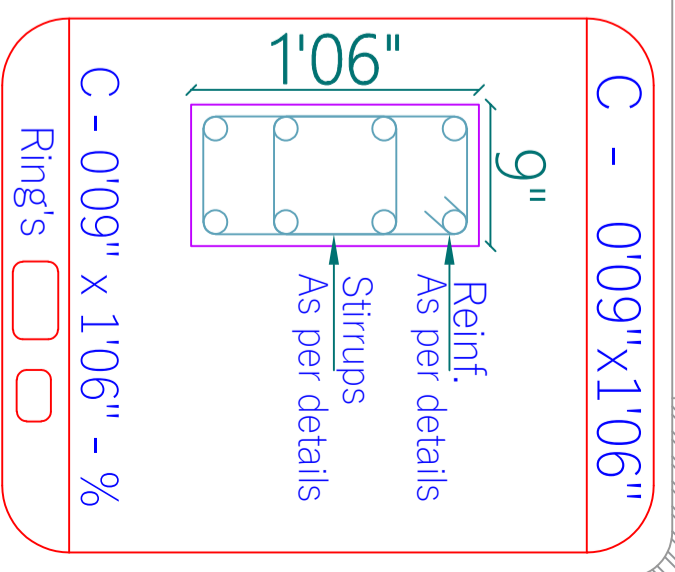
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CHK DRW	HRK
AKA PH	PH
HRKD/STR/03/18/22	HRK
HRKD/STR/GFC/18/03/22	HRK





● INDICATES HIGHER DIA BARS  
○ INDICATES SMALLER DIA BARS



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SHEET - F GENERAL FIGURES  
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DRW - 2 General Figure's & Specification

DRW - 3

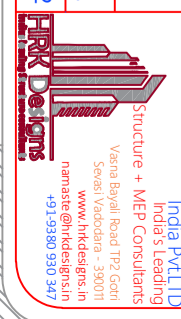
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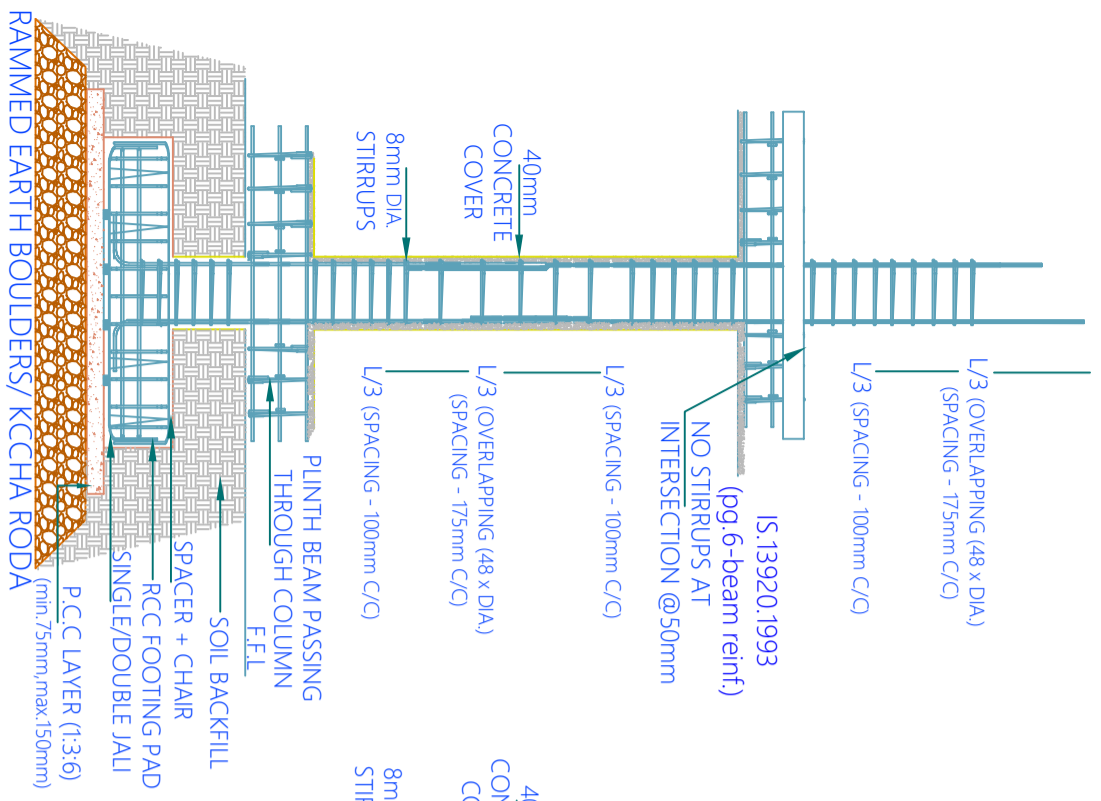
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AKA PH

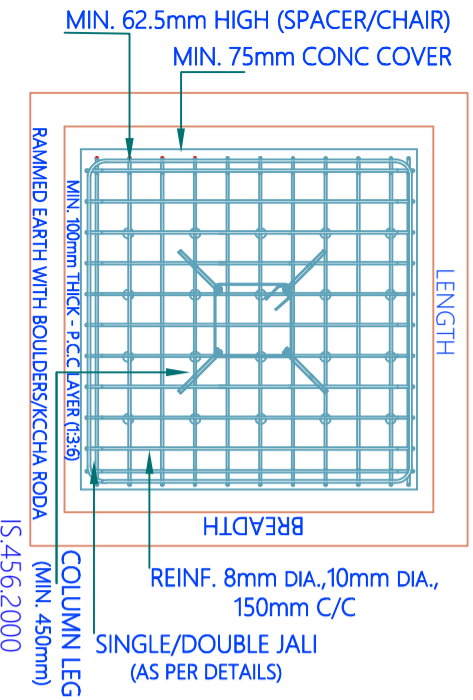
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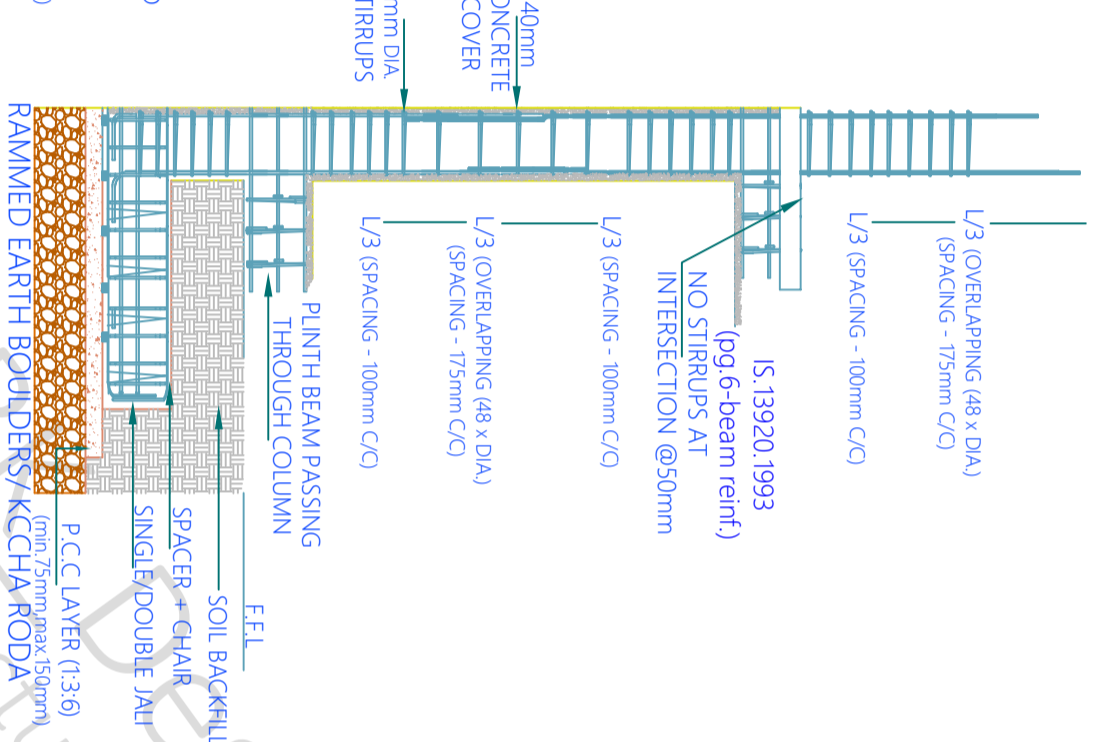
ELEVATION



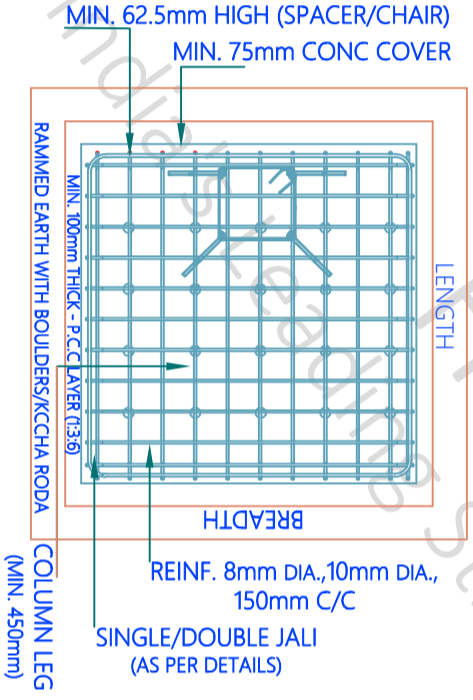
PLAN

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

ISOLATED FOOTING

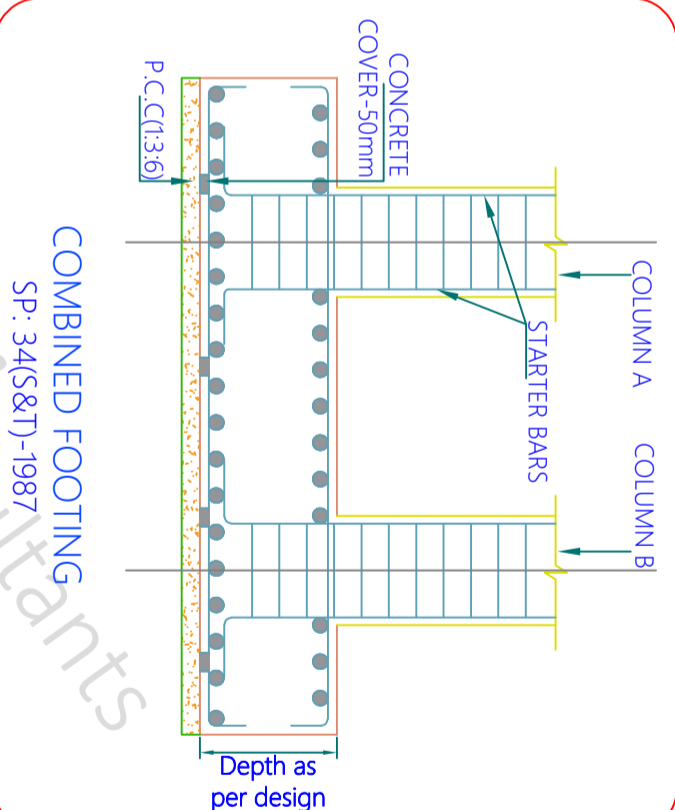


ELEVATION



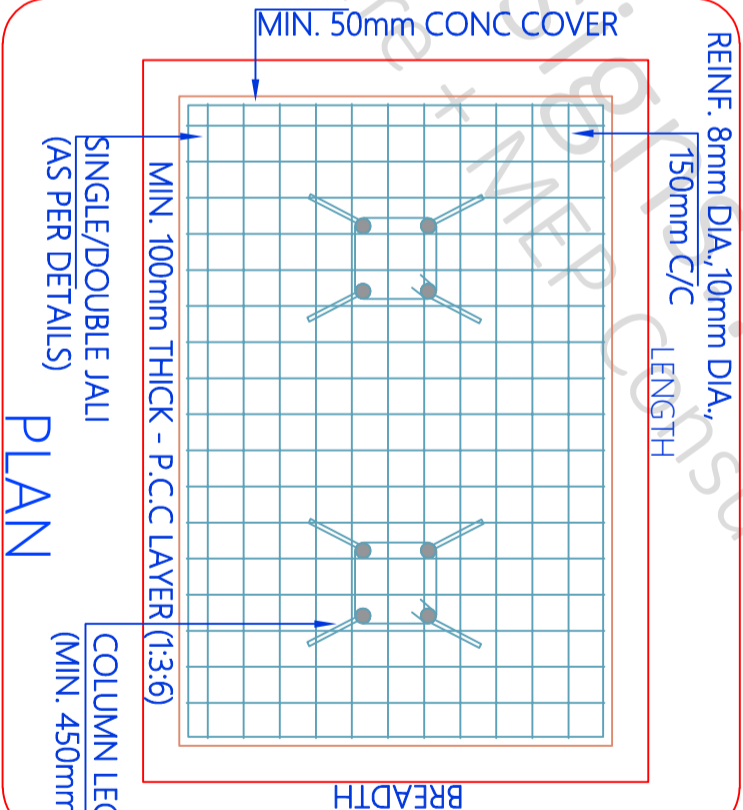
PLAN

ECCENTRIC FOOTING

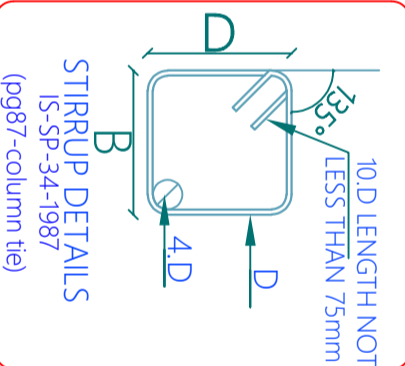


COMBINED FOOTING

SP: 34(S&T)-1987



PLAN



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SHEET - G GENERAL FIGURES

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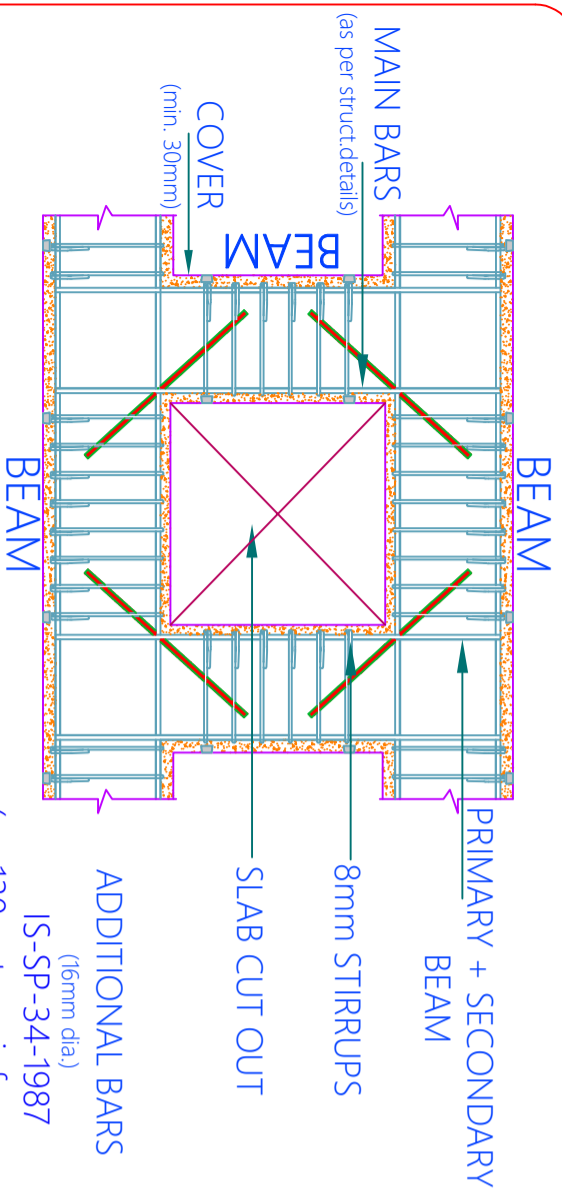
SHEET TITLE	GOOD FOR CONSTRUCTION	PROJECT BY:-
Dw No 1	LIST OF CONTENT	NAKSHEWALA.COM AL-AHAD SOLUTIONS PVT. LTD.
Dw - 1	Reinforcement Details As Per IS 456	C-37 2nd Floor SEC - 6, NOIDA, 201301
Dw - 2	General Figure's & Specification	U.P INDIA +91 9312739997
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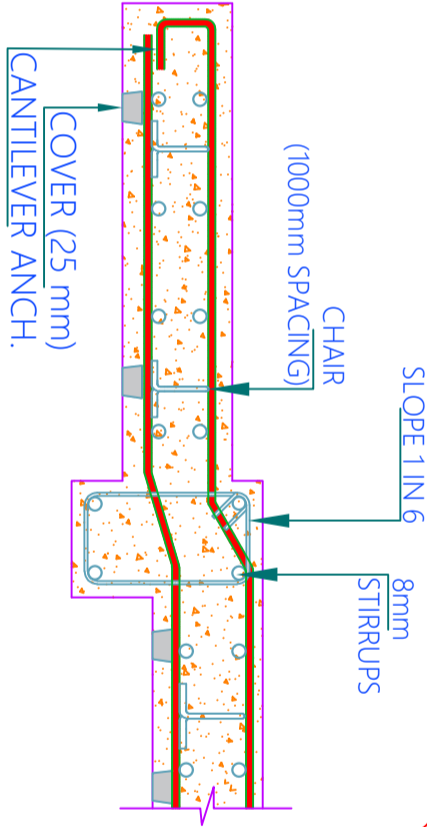
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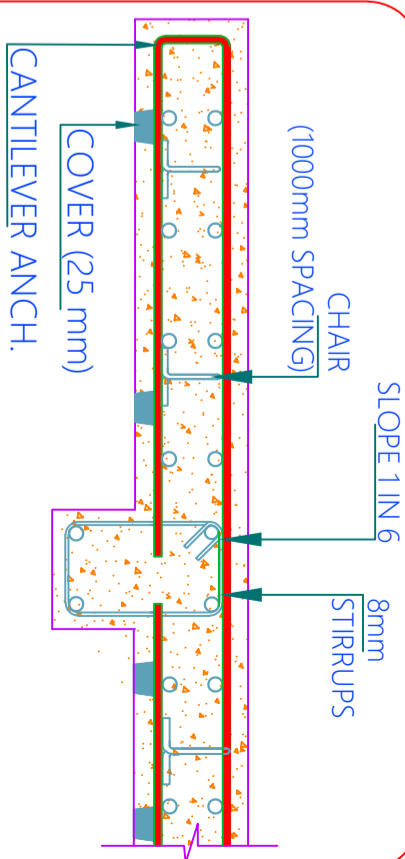
SLAB CUTOUT DETAILS

(pg.130-extra reinforcement)



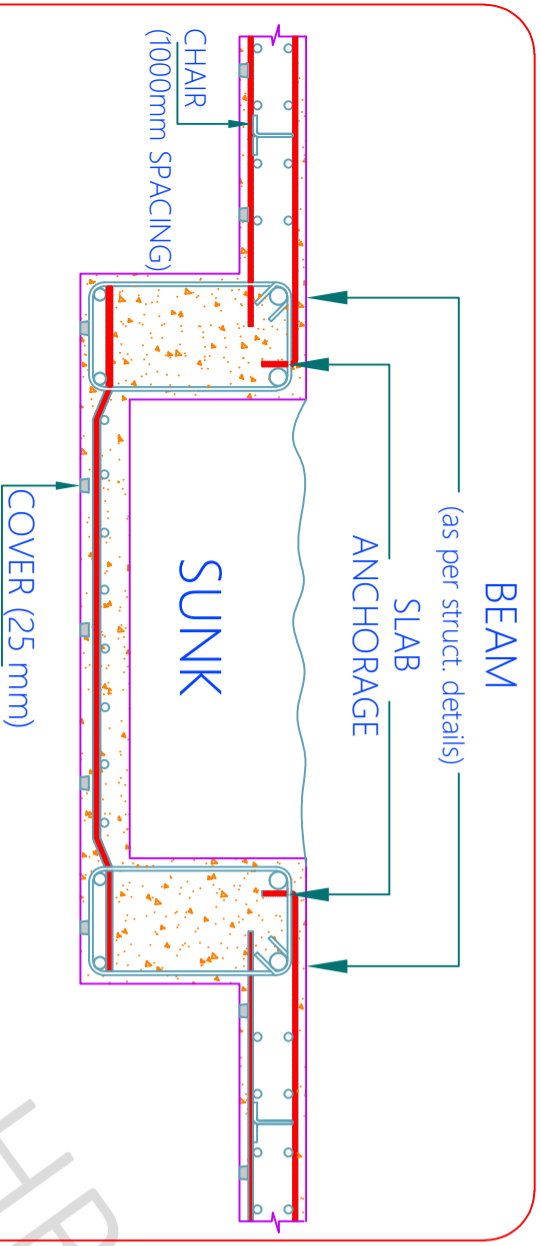
CANTILEVER SLAB DETAILS

(pg.130-cantilever reinforcement)

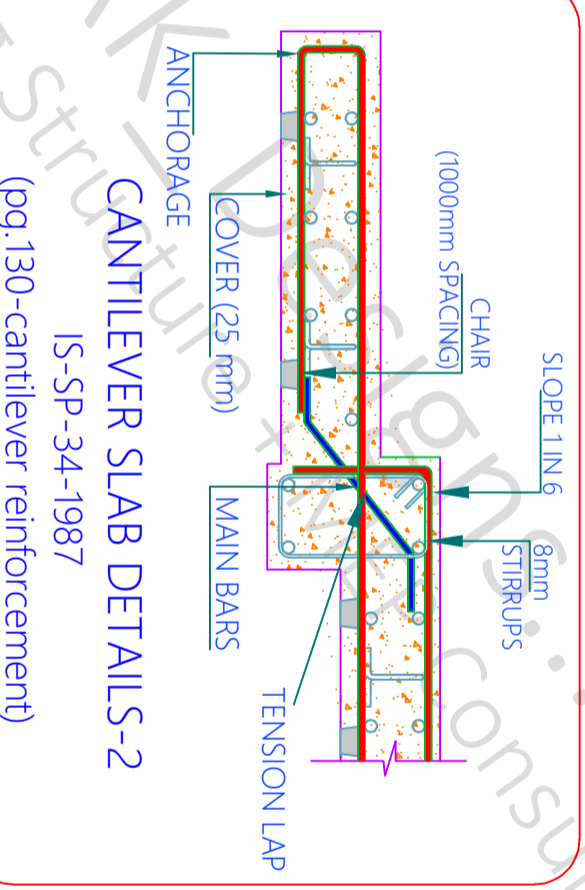


CANTILEVER SLAB DETAILS-3

(pg.130-cantilever reinforcement)

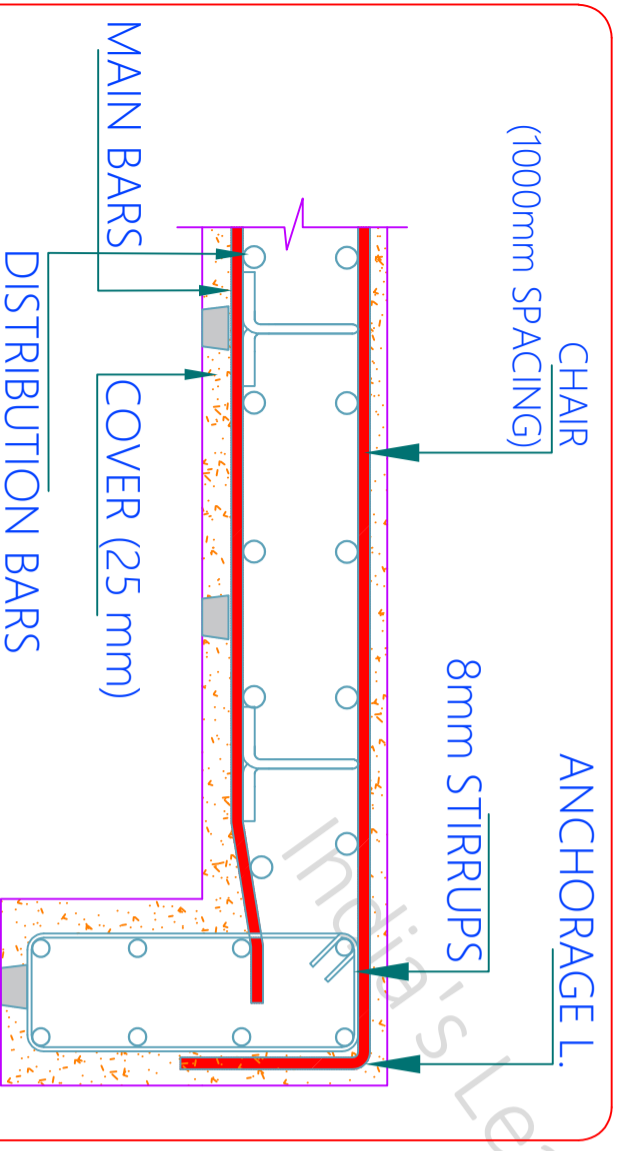


SUNKEN SLAB DETAILS

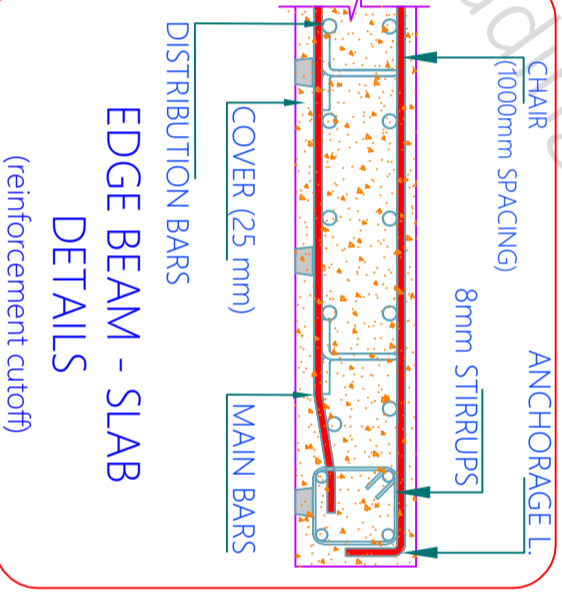


CANTILEVER SLAB DETAILS-2

(pg.130-cantilever reinforcement)



EDGE BEAM - SLAB DETAILS



EDGE BEAM - SLAB DETAILS

(reinforcement cutoff)

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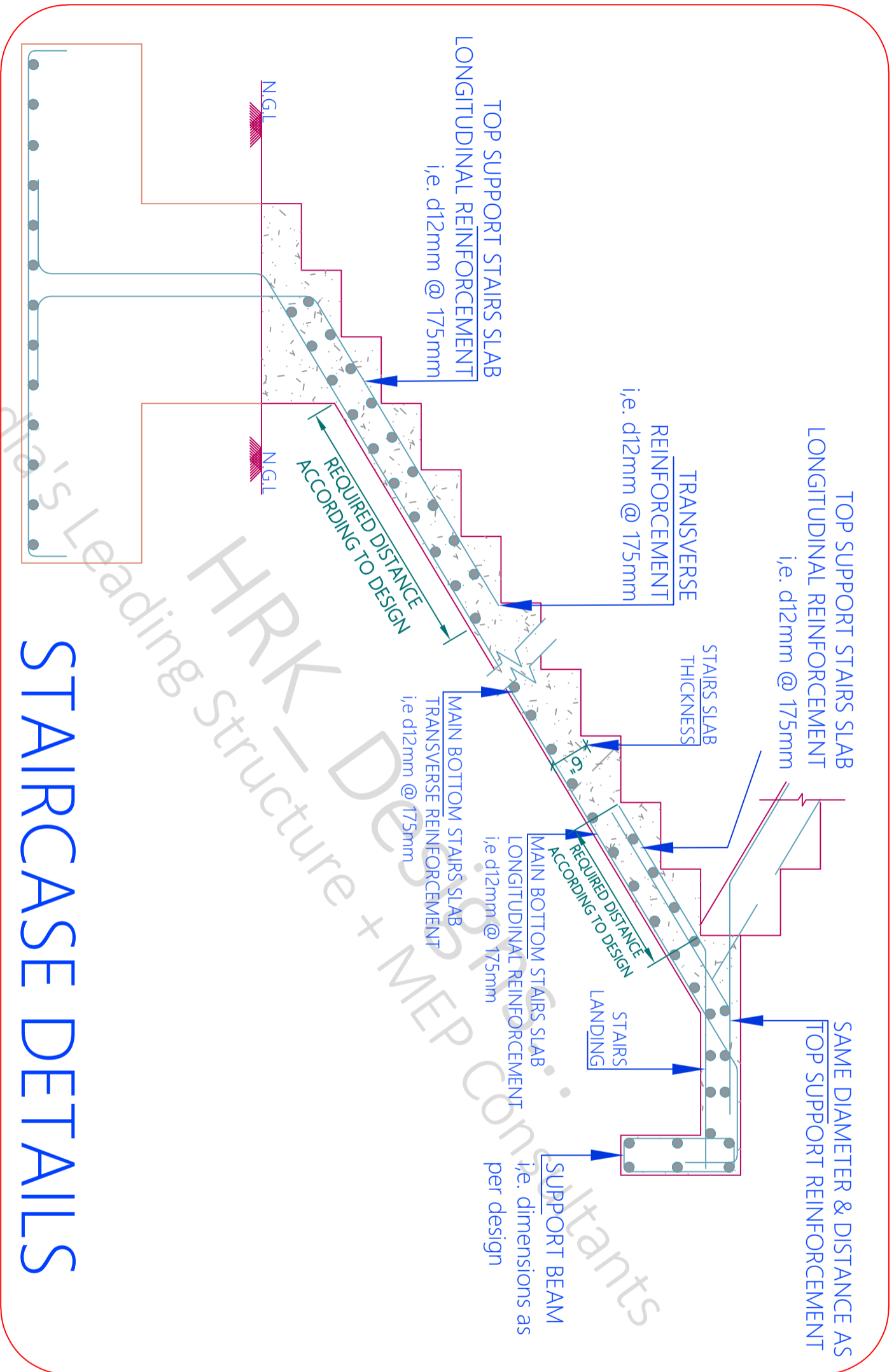
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SHEET - H GENERAL FIGURES's		G+5 @Buldhana MH	
SHEET TITLE GOOD FOR CONSTRUCTION		PROJECT BY:-	
Drw No LIST OF CONTENT		NAKSHHEWALA.COM AL-AHAD SOLUTIONS PVT. LTD.	
Drw - 1 Reinforcement Details As Per IS 456		C-37 2nd Floor SEC - 6, NOIDA, 201301	
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# STAIRCASE DETAILS

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DOCUMENT	X

SHEET - I GENERAL FIGURES'S

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SHEET TITLE GOOD FOR CONSTRUCTION

PROJECT BY:-

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India Pvt.LTD  
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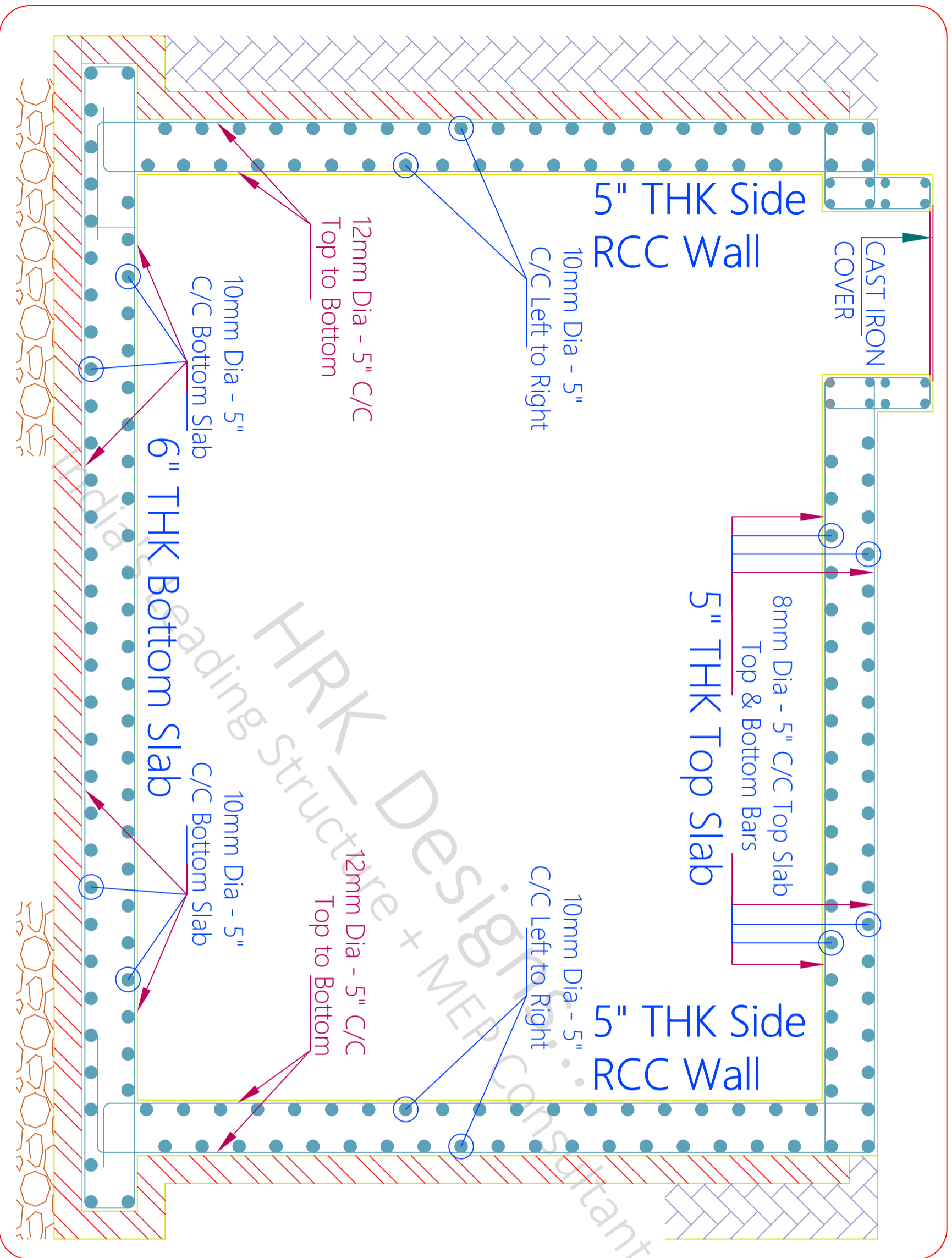
Drw - 2 General Figure's & Specification

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**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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SHEET - J GENERAL FIGURES

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Drw - 1 Reinforcement Details As Per IS 456

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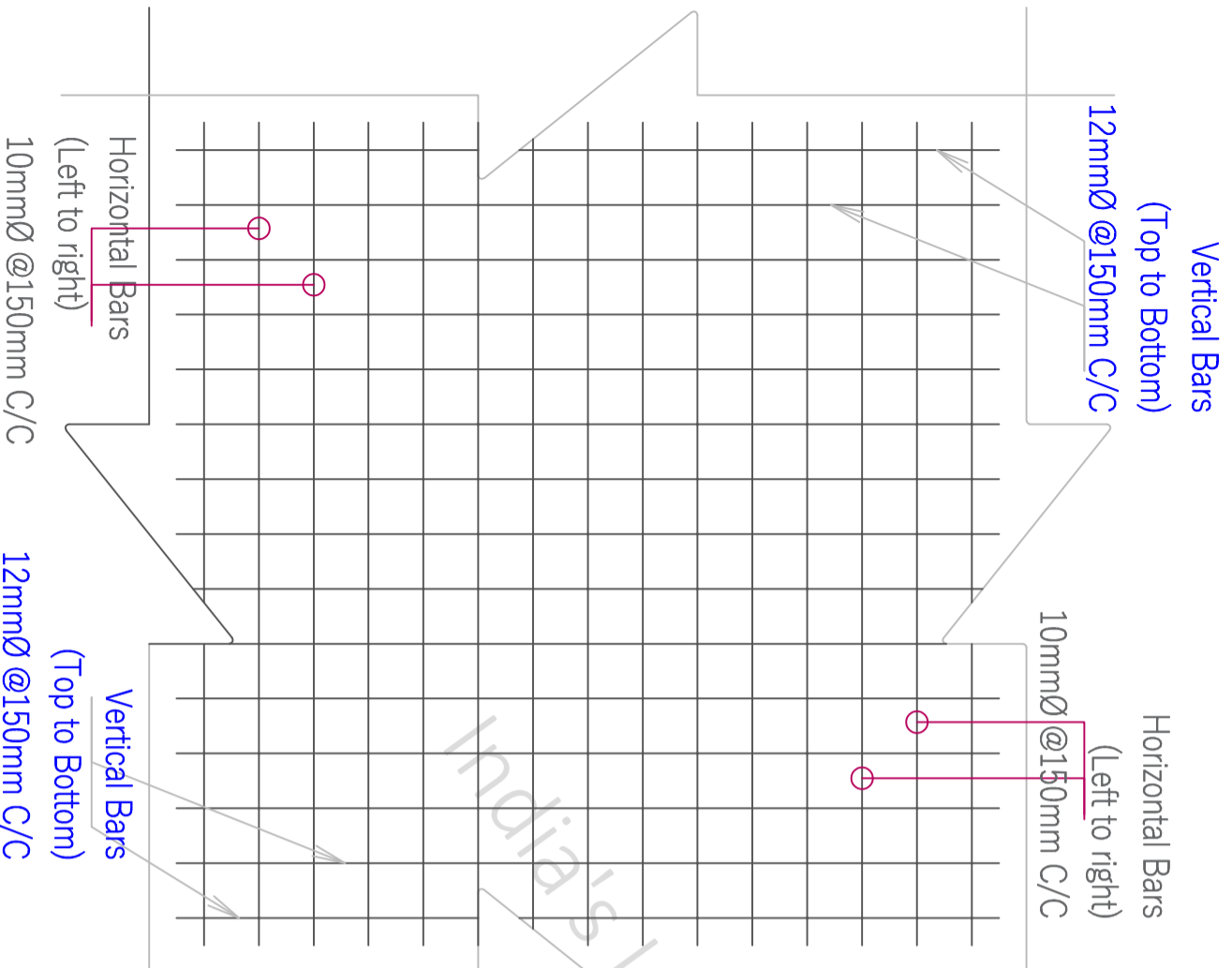
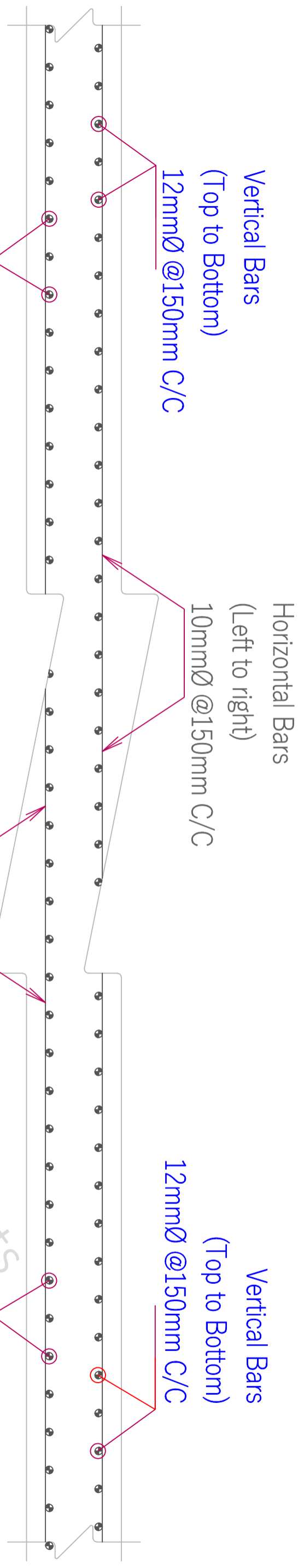
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Web reinforcement shall consist of vertical hoops:

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



# A WALL PLAN C/S DETAILS

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DOCUMENT	

SHEET - K GENERAL FIGURES

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Drw No	LIST OF CONTENT	NAKSHHEWALA.COM AL-AHAD SOLUTIONS PVT. LTD.	INDIA'S LEADING
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HRKD/STR/GFC/18/03/22		STRUCTURE + MEP CONSULTANTS

Varna Bayal Road TP2 Gdrt  
Sewali Vardodara - 390011  
www.hrkdsgns.in  
+91 9380 930 347

Cons Area  
10,164.00 Sq.Ft

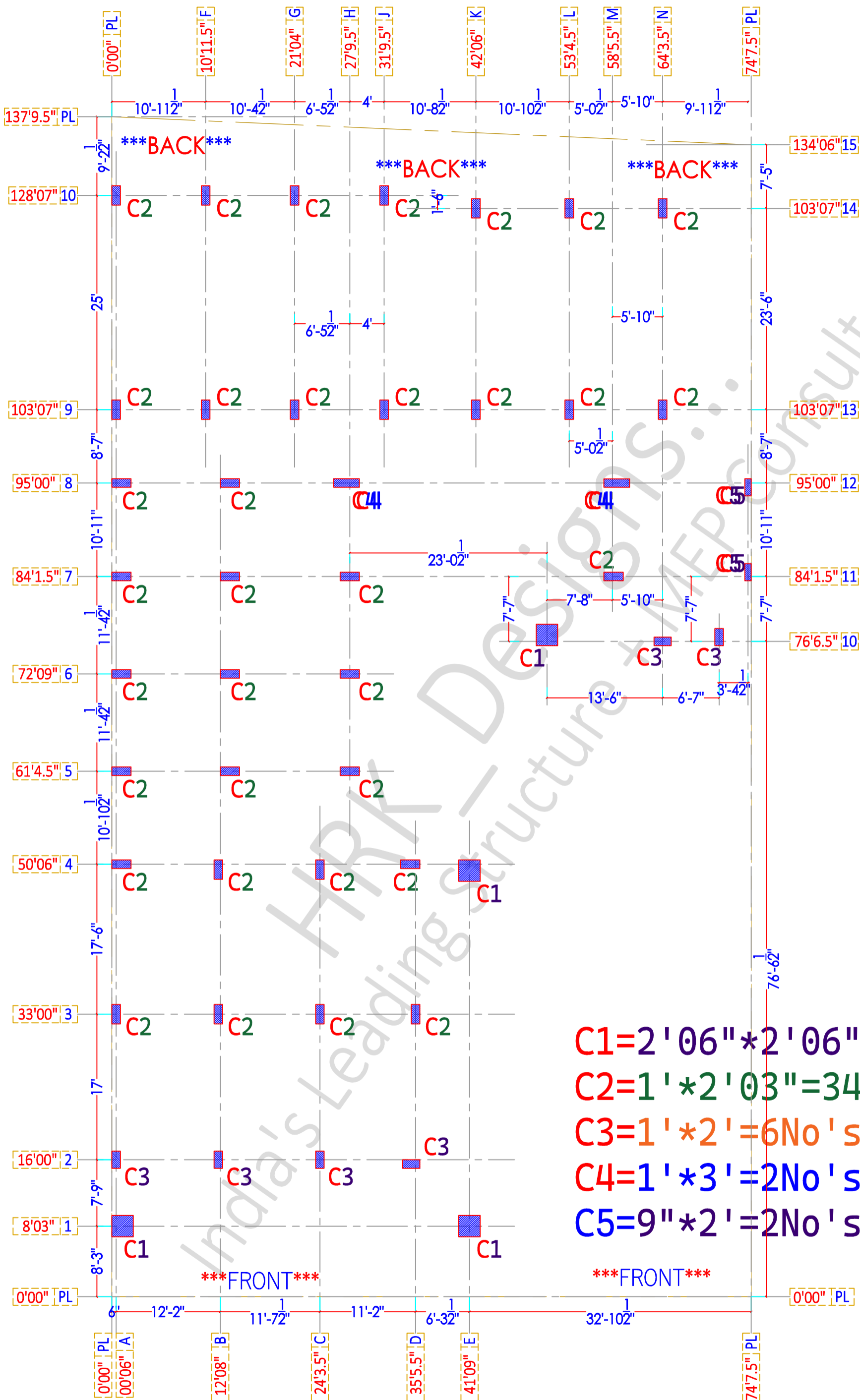
134'-6"

Total Built Up Area  
 $10,164 * 6 =$   
60,984.00 Sq.Ft

74'-72"<sup>1</sup>

HRK - Designs  
India's Leading Structure + MEP Consultants

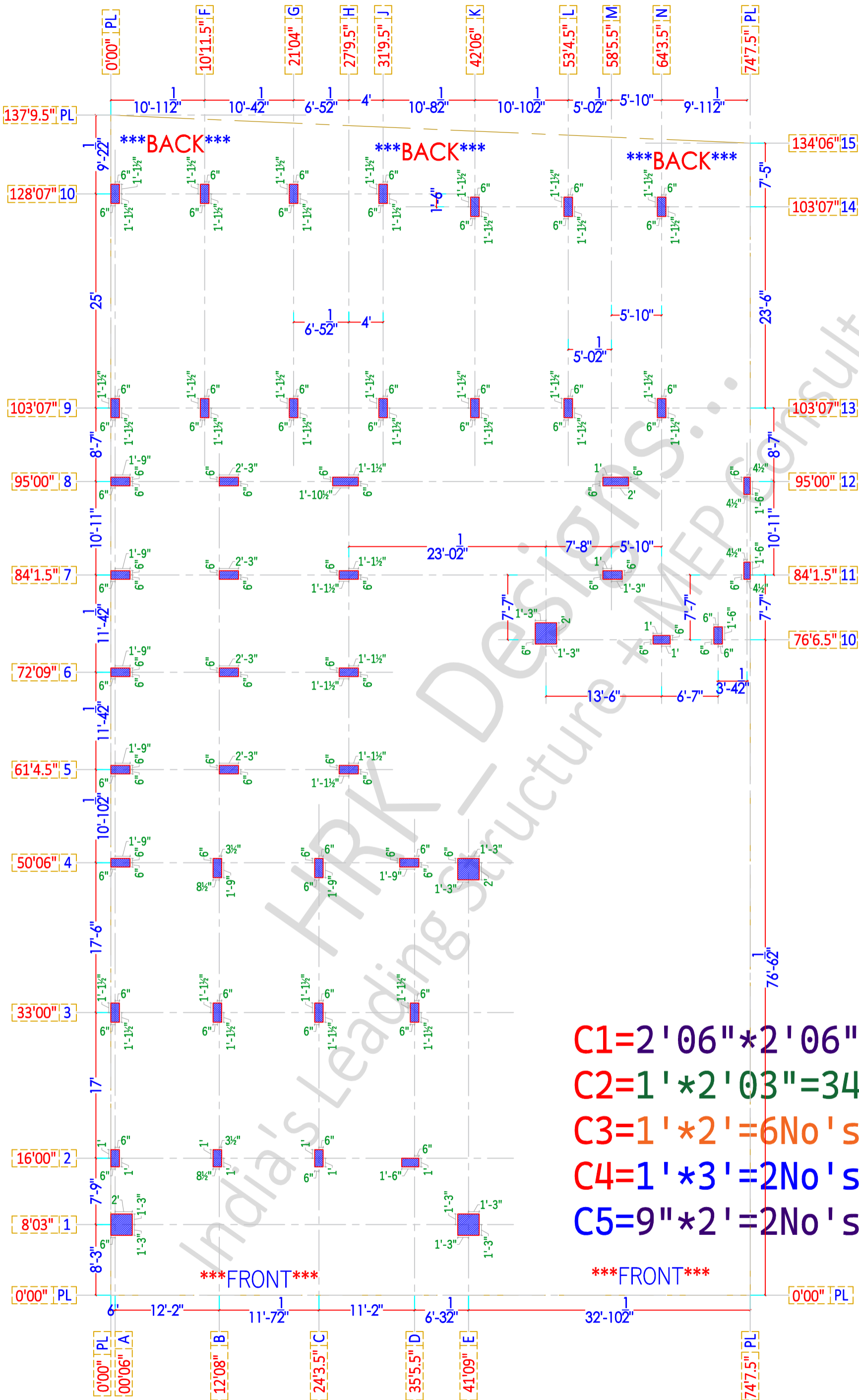
<b>SHEET TITLE</b>		<b>PROJECT BY:-</b> NAKSEWALA.COM AL-AHAD SOLUTIONS PVT. LTD. C-37 2nd Floor SEC - 6, NOIDA, 201301 U.P INDIA +91 9312739997 support@nakshewala.com	<b>Half Basement + 5 Story building for Mr. Riyaz Ji @ Buldhana MH</b>	<b>HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD</b> Vasna Bayali Road TP2 Gotri Road Vadodara - 391014 www.hrkdesigns.com techteam@hrkdesigns.com	<b>S-1</b>	<b>Plot line Details</b>		
S - 1	PLOT AREA				Date - 18/03/2022	PVH	AKA	A3 PRINTS
S - 2	COL's C/S & DETAILS				HRKD/STR/EP/13/09/24	Str Engg.		HRKD/STR/GFC/13/09/24
S - 3					Str Sign			STR - REV - 1
S - 4					Principal Engineer	AKA	Str Stamp	18/03/2022 ***NA***



**C1=2'06" \* 2'06" = 4No's**  
**C2=1' \* 2'03" = 34No's**  
**C3=1' \* 2' = 6No's**  
**C4=1' \* 3' = 2No's**  
**C5=9" \* 2' = 2No's**

India's Leading Structure & MEP Consultants  
 HRK Designs Structure & MEP Consultants

<b>SHEET TITLE</b>		<b>PROJECT BY:-</b> NAKSHEWALA.COM AL-AHAD SOLUTIONS PVT. LTD. C-37 2nd Floor SEC - 6, NOIDA, 201301 U.P INDIA +91 9312739997 support@nakshewala.com		<b>Half Basement + 5 Story building for Mr. Riyaz Ji @ Buldhana MH</b>		HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD Vasna Bayali Road TP2 Gotri Road Vadodara - 391014 +91-9380 930 347 www.hrkdesigns.com techteam@hrkdesigns.com Gandhidham   Vadodara   Delhi   Mumbai		<b>S-2 Center line Details</b>		
S - 1	Col's Center line Plan					Date - 18/03/2022		PVH	AKA	A3 PRINTS
S - 2	Col's Center line Details					HRKD/STR/EP/13/09/24		Str Engg.		HRKD/STR/GFC/13/09/24
S - 3	Col's Center line C/S & Details					Str Sign		AKA		STR - REV - 1
S - 4						Principal Engineer		Str Stamp		18/03/2022 ***NA***



**C1=2'06" \* 2'06" = 4No's**  
**C2=1' \* 2'03" = 34No's**  
**C3=1' \* 2' = 6No's**  
**C4=1' \* 3' = 2No's**  
**C5=9" \* 2' = 2No's**

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

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

**SHEET TITLE**

S - 1	Col's Center line Plan
S - 2	Col's Center line Details
S - 3	Col's Center line C/S & Details
S - 4	

**PROJECT BY:-**  
 NAKSHEWALA.COM AL-AHAD  
 SOLUTIONS PVT. LTD.  
 C-37 2nd Floor Sec - 6, NOIDA,  
 201301  
 U.P INDIA +91 9312739997  
 support@nakshewala.com

Half Basement + 5  
 Story building for  
**Mr. Riyaz Ji @**  
**Buldhana MH**

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HRK DESIGNS STRUCTURE  
 CONSULTANTS INDIA PVT LTD  
 Vasna Bayali Road TP2 Gotri  
 Road Vadodara - 391014  
 www.hrkdesigns.com  
 techteam@hrkdesigns.com

**S-3**

**Center line Details**

Date - 18/03/2022	PVH	AKA	A3 PRINTS
HRKD/STR/EP/13/09/24	Str Engg.		HRKD/STR/GFC/13/09/24
Str Sign			STR - REV - 1
Principal Engineer	AKA	Str Stamp	18/03/2022 ***NA***

## Col's Details upto UGF & LGF Slab LVL only

**C1 - 2'06" x 2'06"**

20φ - 16#  
8φ @ 6" C/C

C1 - 2'06" x 2'06" - 0.90%

3 Ring's (3 Rectangle)

**C2 - 1'00" x 2'03"**

20φ - 16#  
8φ @ 6" C/C

C2 - 1'00" x 2'03" - 2.45%

3 Ring's (3 Rectangle)

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

20φ - 12#  
8φ @ 6" C/C

C3 - 1'00" x 2'00" - 2.10%

3 Ring's (3 Rectangle)

**C4 - 1'00" x 3'00"**

20φ - 6# +  
25φ - 10#  
8φ @ 6" C/C

C4 - 1'00" x 3'00" - 2.52%

3 Ring's (3 Rectangle)

**C5 - 0'09" x 2'00"**

16φ - 6#+  
20φ - 6#  
8φ @ 6" C/C

C5 - 0'09" x 2'00" - 2.25%

3 Ring's (3 Rectangle)

C1 = 2'06" \* 2'06" = 4No's  
 C2 = 1' \* 2'03" = 34No's  
 C3 = 1' \* 2' = 6No's  
 C4 = 1' \* 3' = 2No's  
 C5 = 9" \* 2' = 2No's

## Col's Details upto FF & SF Slab LVL only

**C1 - 2'06" x 2'06"**

20φ - 16#  
8φ @ 6" C/C

C1 - 2'06" x 2'06" - 0.90%

3 Ring's (3 Rectangle)

**C2 - 1'00" x 2'03"**

16φ - 4# +  
20φ - 12#  
8φ @ 6" C/C

C2 - 1'00" x 2'03" - 2.25%

3 Ring's (3 Rectangle)

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

20φ - 12#  
8φ @ 6" C/C

C3 - 1'00" x 2'00" - 2.10%

3 Ring's (3 Rectangle)

**C4 - 1'00" x 3'00"**

20φ - 10# +  
25φ - 6#  
8φ @ 6" C/C

C4 - 1'00" x 3'00" - 2.22%

3 Ring's (3 Rectangle)

**C5 - 0'09" x 2'00"**

16φ - 6#+  
20φ - 6#  
8φ @ 6" C/C

C5 - 0'09" x 2'00" - 2.25%

3 Ring's (3 Rectangle)

C1 = 2'06" \* 2'06" = 4No's  
 C2 = 1' \* 2'03" = 34No's  
 C3 = 1' \* 2' = 6No's  
 C4 = 1' \* 3' = 2No's  
 C5 = 9" \* 2' = 2No's

**SHEET TITLE**

S - 1	Col's C/S Details
S - 2	Ped's C/S Details
S - 3	
S - 4	

PROJECT BY:-  
 NAKSHEWALA.COM AL-AHAD  
 SOLUTIONS PVT. LTD.  
 C-37 2nd Floor SEC - 6, NOIDA,  
 201301  
 U.P INDIA +91 9312739997  
 support@nakshewala.com

Half Basement + 5  
 Story building for  
 Mr. Riyaz Ji @  
 Buldhana MH

+91-9380 930 347

HRK Designs

HRK DESIGNS STRUCTURE  
 CONSULTANTS INDIA PVT LTD

Vasna Bayali Road TP2 Gotri  
 Road Vadodara - 391014

www.hrkdsgns.com  
 techteam@hrkdsgns.com

**S-4 Col's & Ped's C/S Details**

Date - 18/03/2022  
 HRKD/STR/EP/13/09/24

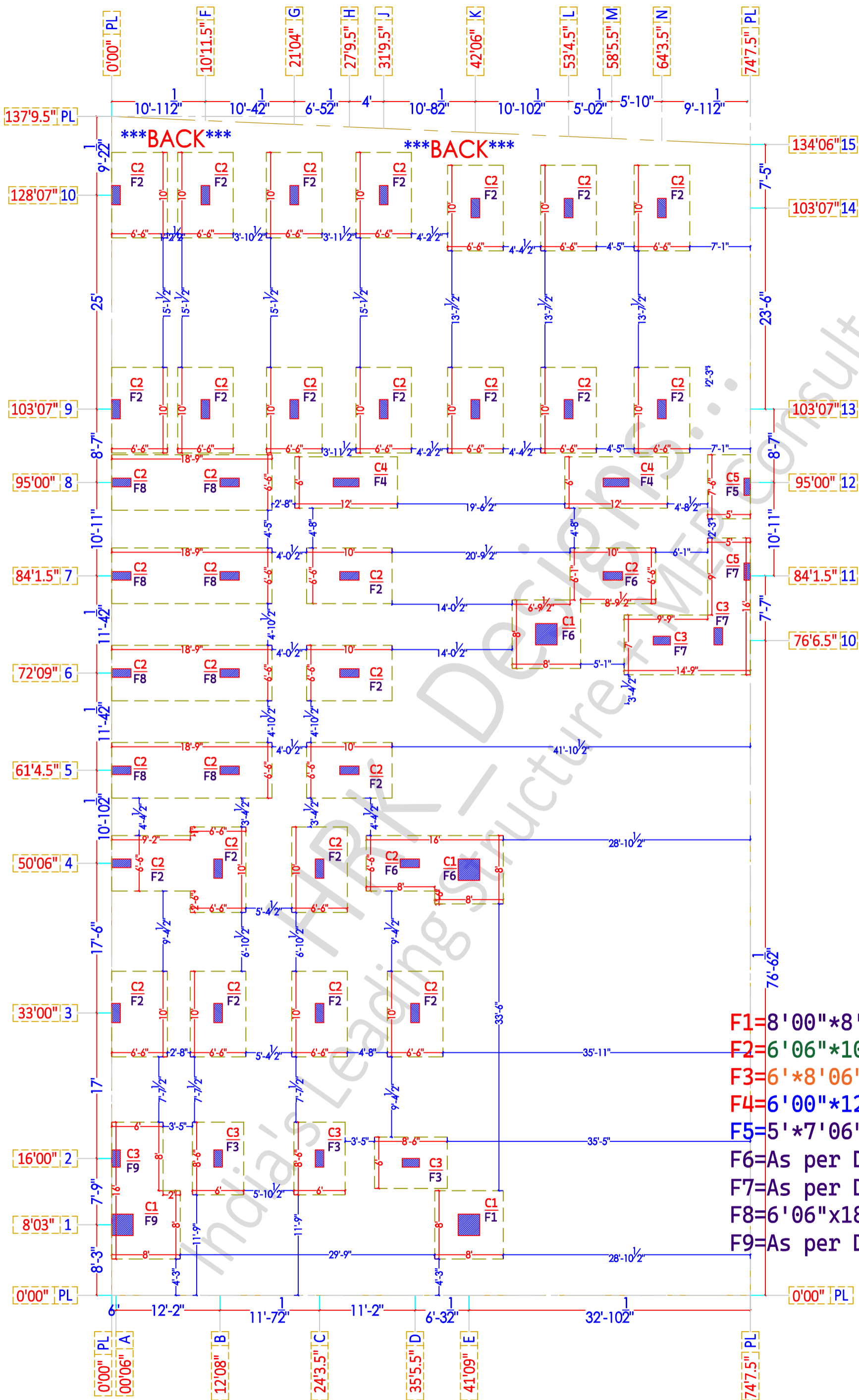
Str Sign  
 Principal Engineer

PVH AKA  
 Str Engg.

Str Stamp  
 AKA

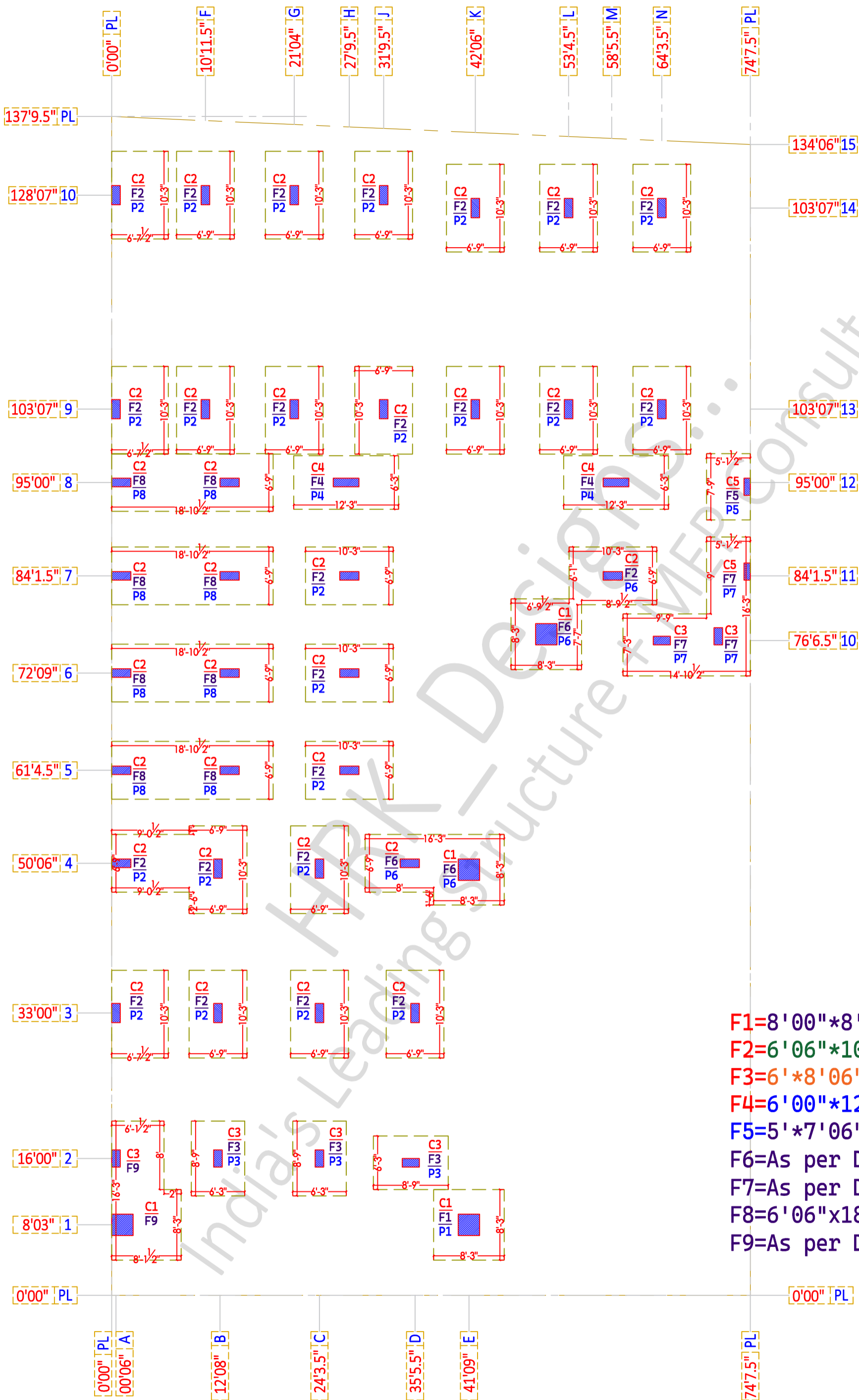
A3 PRINTS  
 HRKD/STR/GFC/13/09/24

STR - REV - 1  
 18/03/2022 \*\*\*NA\*\*\*



- F1=8'00"×8'00"=1No's
- F2=6'06"×10'00"=24No's
- F3=6'×8'06"=3No's
- F4=6'00"×12'00"=2No's
- F5=5'×7'06"=1No's
- F6=As per Details=1No's
- F7=As per Details=1No's
- F8=6'06"×18'09"=4No's
- F9=As per Details=1No's

<b>SHEET TITLE</b>		<b>PROJECT BY:-</b> NAKSHEWALA.COM AL-AHAD SOLUTIONS PVT. LTD. C-37 2nd Floor SEC - 6, NOIDA, 201301 U.P. INDIA +91 9312739997 support@nakshewala.com		<b>Half Basement + 5 Story building for</b> <b>Mr. Riyaz Ji @ Buldhana MH</b>		HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD Vasna Bayali Road TP2 Gotri Road Vadodara - 391014 +91-9380 930 347 www.hrkdsgns.com techteam@hrkdsgns.com Gandhidham   Vadodara   Delhi   Mumbai		<b>S-5 Excavation Details</b>		
S - 1	Excavation Details					Date - 18/03/2022		PVH	AKA	A3 PRINTS
S - 2	Excavation Qty					HRKD/STR/EP/13/09/24		Str Engg.		HRKD/STR/GFC/13/09/24
S - 3	PCC Details					Str Sign				STR - REV - 1
S - 4	PCC Qty					Principal Engineer		AKA	Str Stamp	18/03/2022 ***NA***



- F1=8'00"\*8'00"=1No's
- F2=6'06"\*10'00"=24No's
- F3=6' \*8'06"=3No's
- F4=6'00"\*12'00"=2No's
- F5=5' \*7'06"=1No's
- F6=As per Details=1No's
- F7=As per Details=1No's
- F8=6'06"\*18'09"=4No's
- F9=As per Details=1No's

**SHEET TITLE**

S - 1	Footings Plan
S - 2	Footings Details
S - 3	
S - 4	

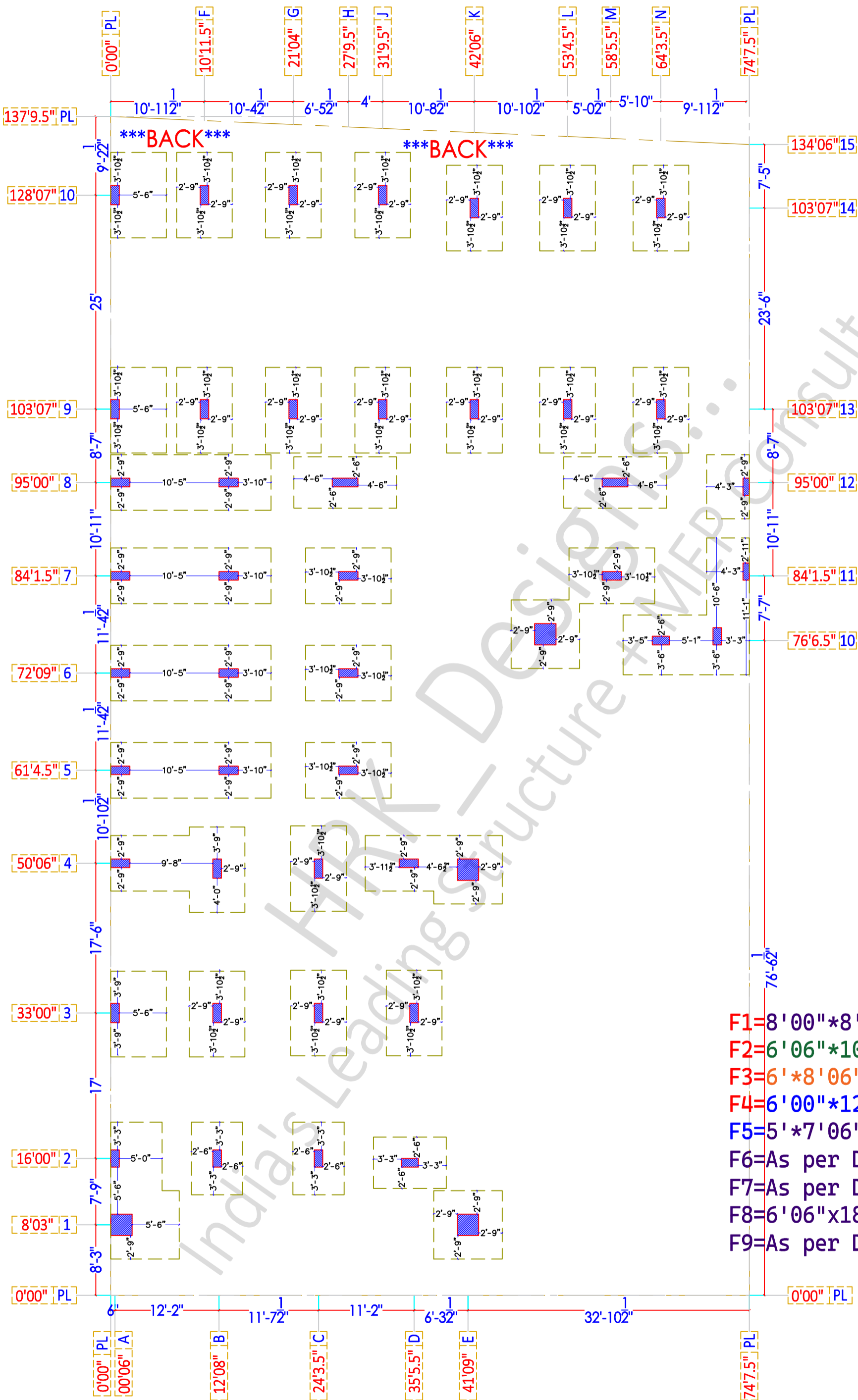
PROJECT BY:-  
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 SOLUTIONS PVT. LTD.  
 C-37 2nd Floor SEC - 6, NOIDA,  
 201301  
 U.P. INDIA +91 9312739997  
 support@nakshewala.com

Half Basement + 5  
 Story building for  
**Mr. Riyaz Ji @**  
**Buldhana MH**

+91-9380 930 347  
 HRK DESIGNS STRUCTURE  
 CONSULTANTS INDIA PVT LTD  
 Vasna Bayali Road TP2 Gotri  
 Road Vadodara - 391014  
 www.hrkdesigns.com  
 techteam@hrkdesigns.com  
**HRK Designs**  
 Gandhidham | Vadodara | Delhi | Mumbai

**S-6 Foot's Plan & Details**

Date - 18/03/2022	PVH	AKA	A3 PRINTS
HRKD/STR/EP/13/09/24	Str Engg.		HRKD/STR/GFC/13/09/24
Str Sign	AKA	Str Stamp	STR - REV - 1
Principal Engineer			18/03/2022 ***NA***



- F1=8'00"×8'00"=1No's
- F2=6'06"×10'00"=24No's
- F3=6'×8'06"=3No's
- F4=6'00"×12'00"=2No's
- F5=5'×7'06"=1No's
- F6=As per Details=1No's
- F7=As per Details=1No's
- F8=6'06"×18'09"=4No's
- F9=As per Details=1No's

**SHEET TITLE**

S - 1	Footing's Plan
S - 2	Footing's Details
S - 3	
S - 4	

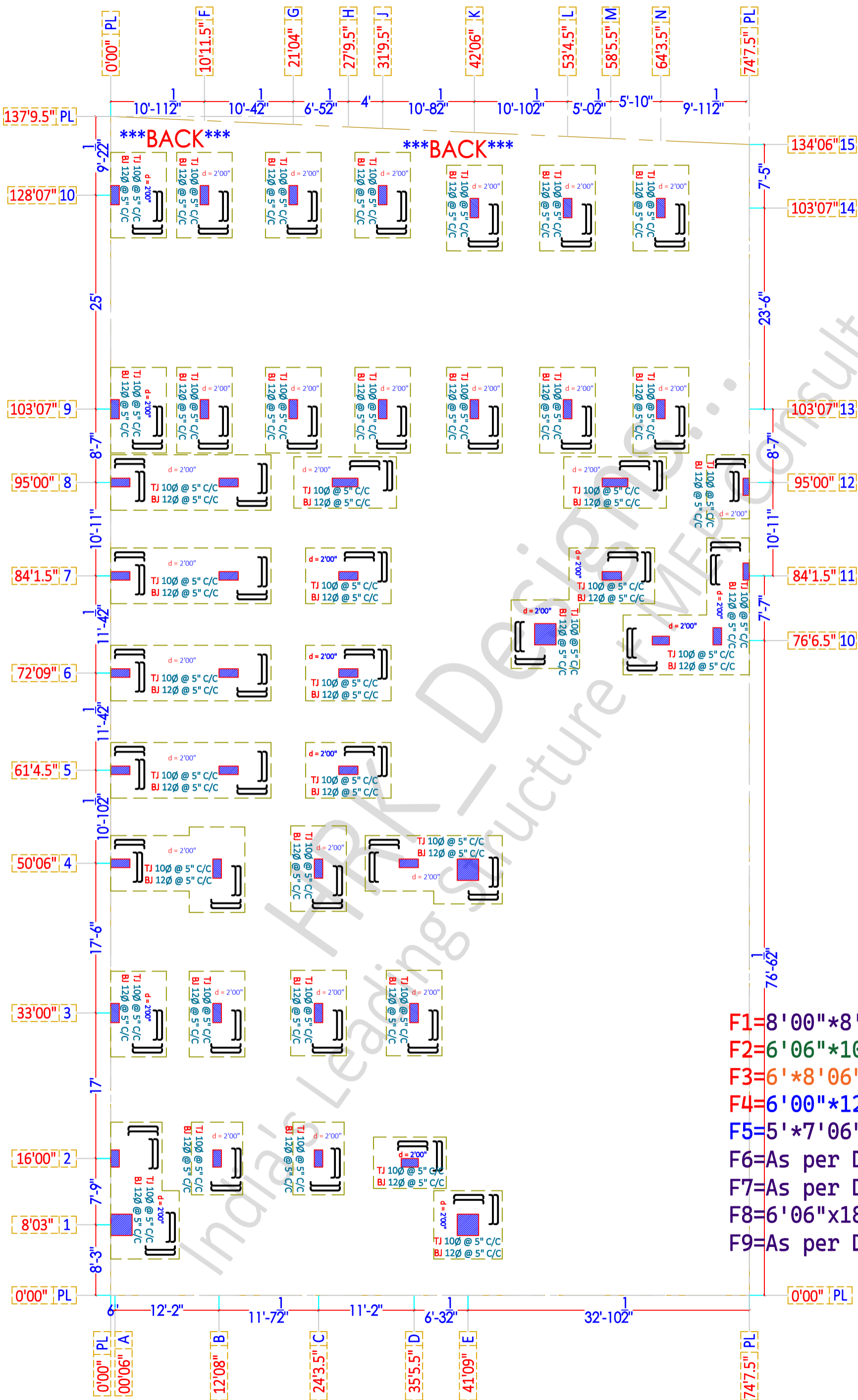
PROJECT BY:-  
 NAKSHEWALA.COM AL-AHAD  
 SOLUTIONS PVT. LTD.  
 C-37 2nd Floor SEC - 6, NOIDA,  
 201301  
 U.P. INDIA +91 9312739997  
 support@nakshewala.com

Half Basement + 5  
 Story building for  
**Mr. Riyaz Ji @**  
**Buldhana MH**

+91-9380 930 347  
 HRK DESIGNS STRUCTURE  
 CONSULTANTS INDIA PVT LTD  
 Vasna Bayali Road TP2 Gotri  
 Road Vadodara - 391014  
**HRK Designs**  
 www.hrkdesigns.com  
 techteam@hrkdesigns.com

**S-7 Foot's Plan & Details**

Date - 18/03/2022	PVH	AKA	A3 PRINTS
HRKD/STR/EP/13/09/24	Str Engg.		HRKD/STR/GFC/13/09/24
Str Sign			STR - REV - 1
Principal Engineer	AKA	Str Stamp	18/03/2022 ***NA***



- F1=8'00"×8'00"=1No's
- F2=6'06"×10'00"=24No's
- F3=6'×8'06"=3No's
- F4=6'00"×12'00"=2No's
- F5=5'×7'06"=1No's
- F6=As per Details=1No's
- F7=As per Details=1No's
- F8=6'06"×18'09"=4No's
- F9=As per Details=1No's

**SHEET TITLE**

S - 1	Footing's Plan
S - 2	Footing's Details
S - 3	
S - 4	

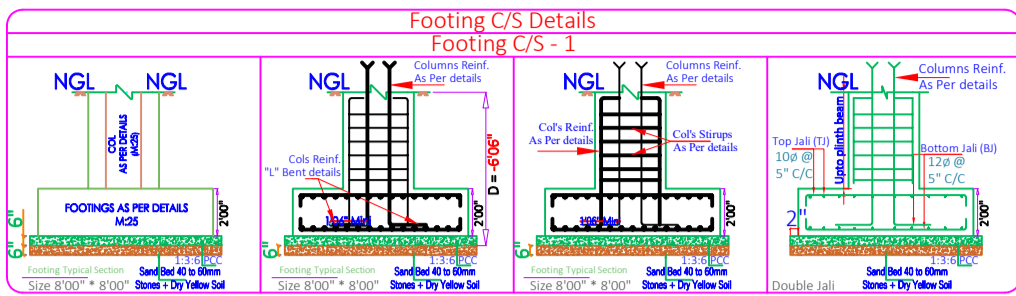
**PROJECT BY:-**  
 NAKSHEWALA.COM AL-AHAD SOLUTIONS PVT. LTD.  
 C-37 2nd Floor SEC - 6, NOIDA, 201301  
 U.P INDIA +91 9312739997  
 support@nakshewala.com

Half Basement + 5  
 Story building for  
**Mr. Riyaz Ji @**  
**Buldhana MH**

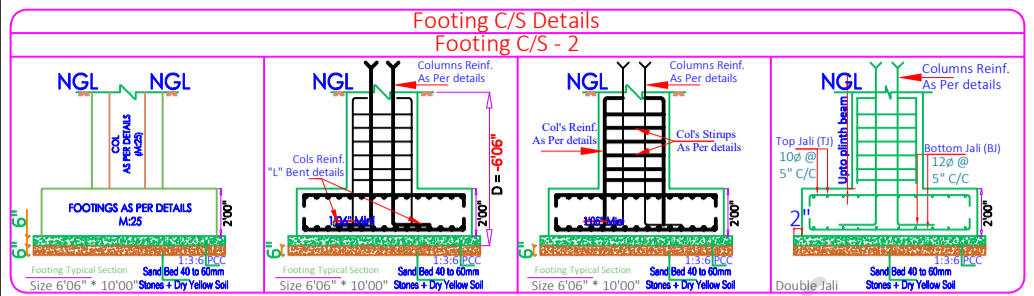
HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD  
 Vasna Bayali Road TP2 Gotri Road Vadodara - 391014  
 +91-9380 930 347  
 www.hrkdesigns.com  
 techteam@hrkdesigns.com

**S-8 Foot's Plan & Details**

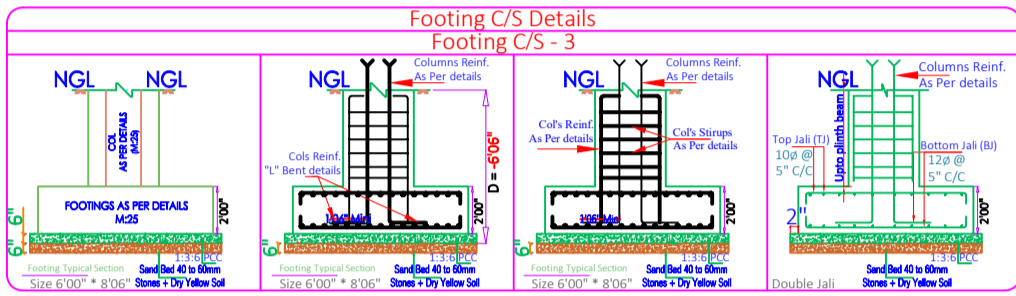
Date - 18/03/2022	PVH	AKA	A3 PRINTS
HRKD/STR/EP/13/09/24	Str Engg.		HRKD/STR/GFC/13/09/24
Str Sign			STR - REV - 1
Principal Engineer	AKA	Str Stamp	18/03/2022 ***NA***



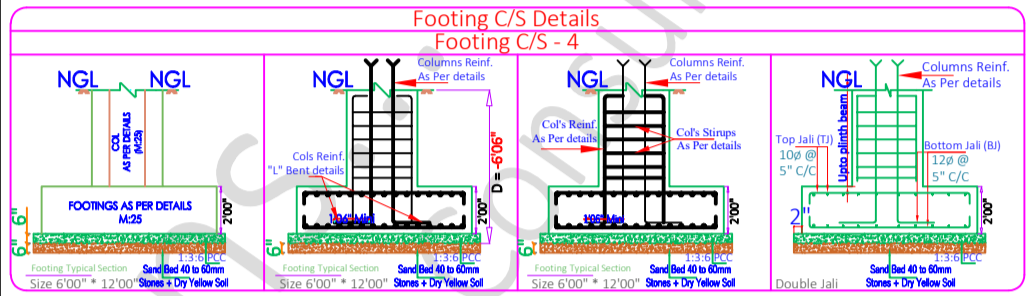
**F1=8'00" \* 8'00"=1No's**



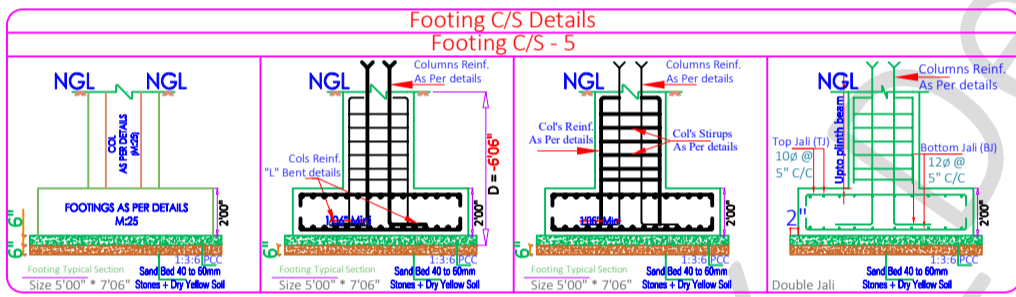
**F2=6'06" \* 10'00"=24No's**



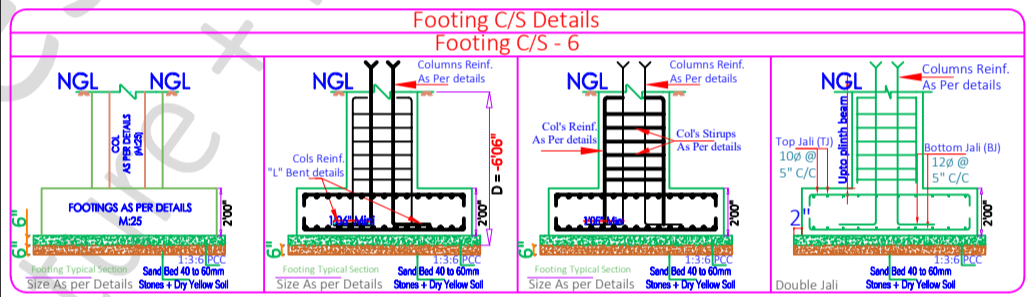
**F3=6'00" \* 8'06"=3No's**



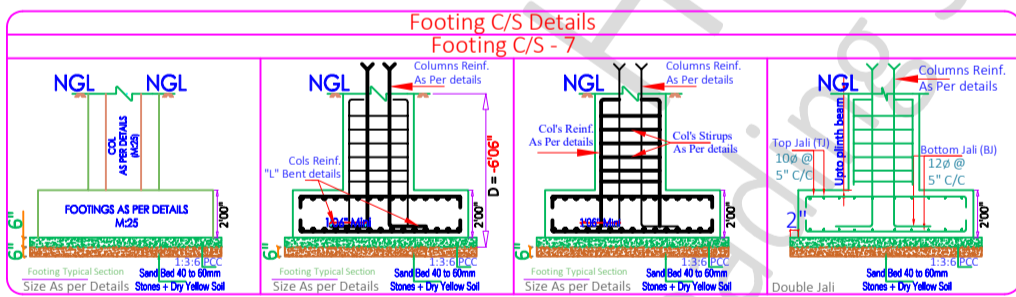
**F4=6'00" \* 12'00"=2No's**



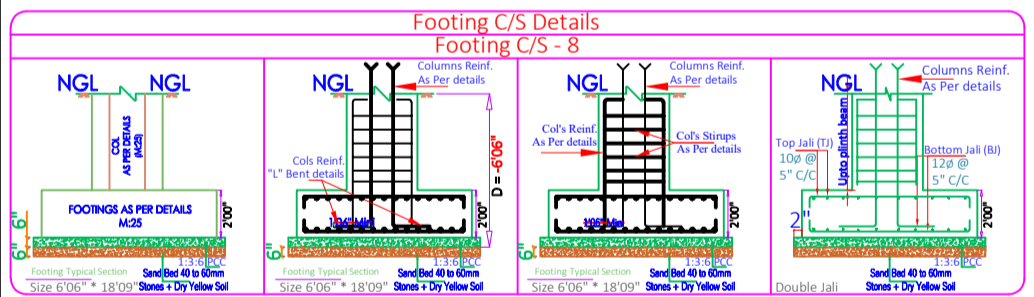
**F5=5'00" \* 7'06"=1No's**



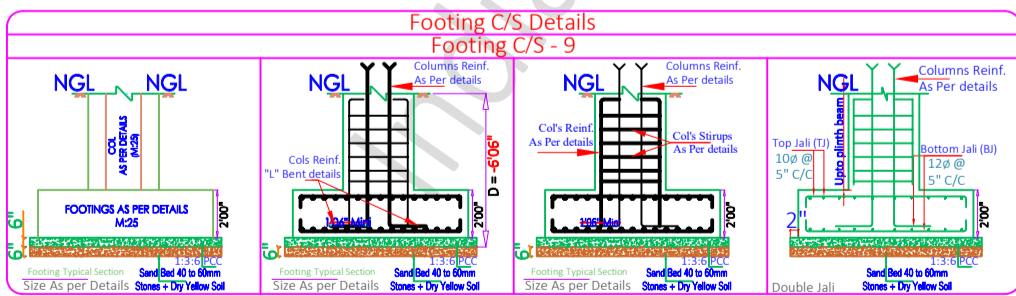
**F6=As per Details=1No's**



**F7=As per Details=1No's**

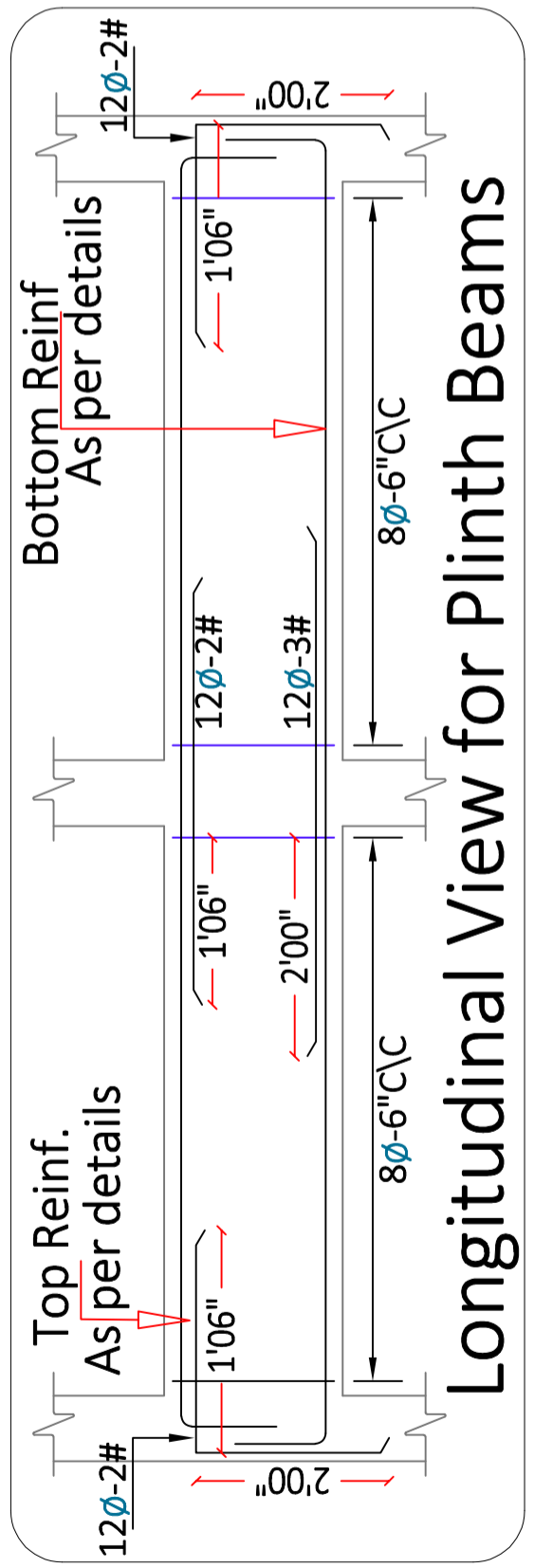
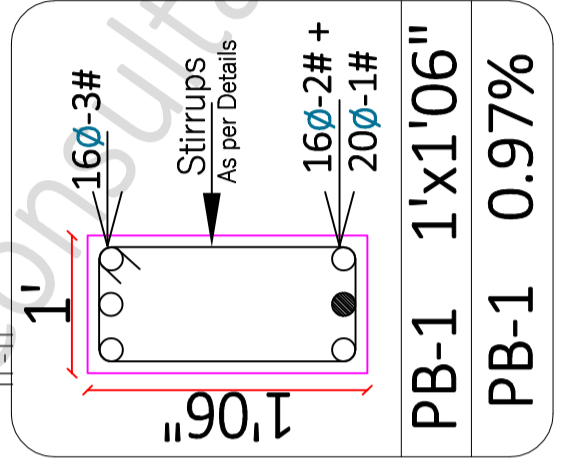
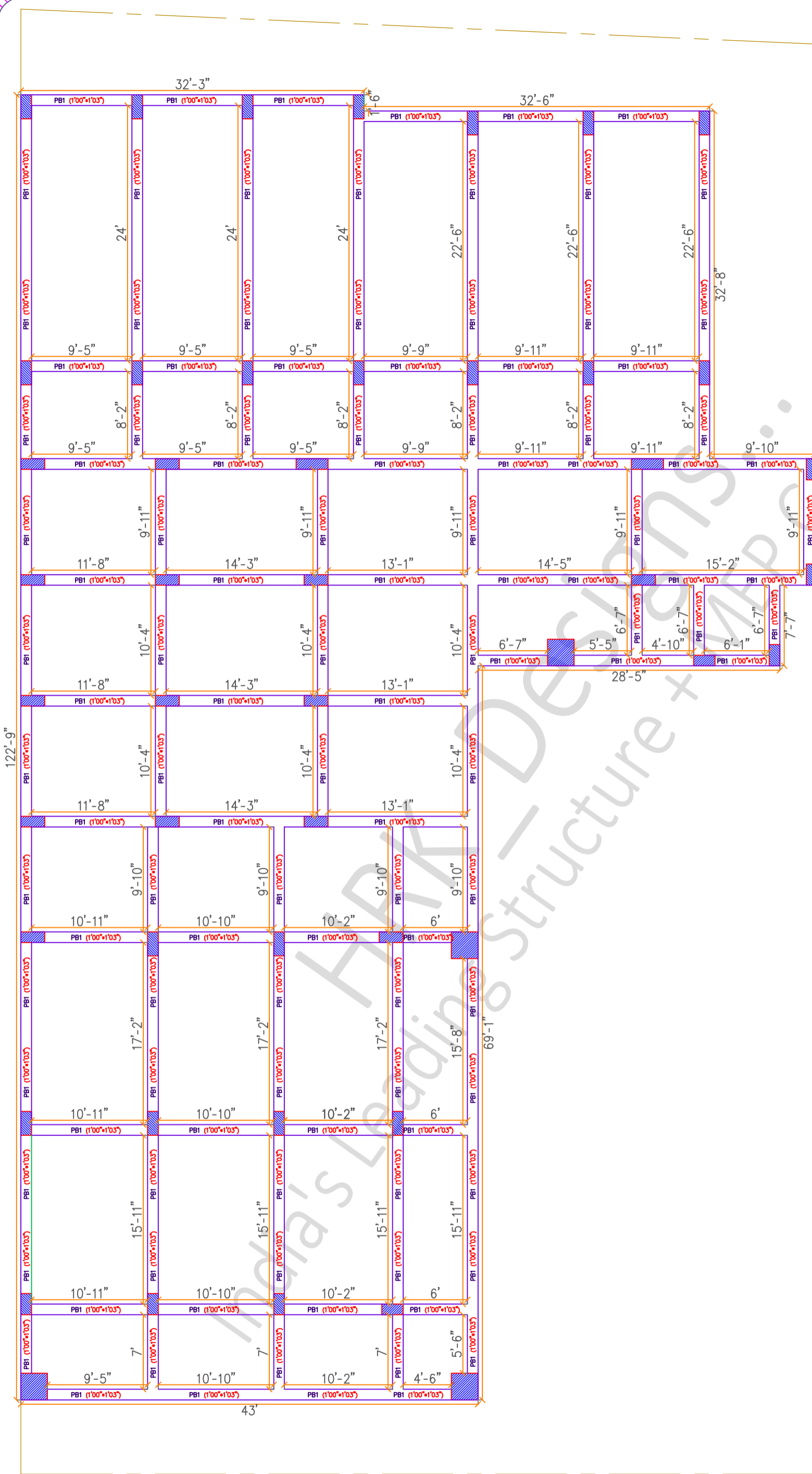


**F8=6'06" x 18'09"=4No's**



**F9=As per Details=1No's**

<b>SHEET TITLE</b>		<b>PROJECT BY:-</b> NAKSHEWALA.COM AL-AHAD SOLUTIONS PVT. LTD. C-37 2nd Floor SEC - 6, NOIDA, 201301 U.P INDIA +91 9312739997 support@nakshewala.com		Half Basement + 5 Story building for <b>Mr. Riyaz Ji @ Buldhana MH</b>		HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD Vasna Bayali Road TP2 Gotr Road Vadodara - 391014 +91-9380 930 347 www.hrkdesigns.com techteam@hrkdesigns.com		<b>S-9 Foot's Plan &amp; Details</b> Date - 18/03/2022 HRKD/STR/EP/13/09/24 Str Sign AKA		PVH Str Engg. AKA Str Stamp		<b>A3 PRINTS</b> HRKD/STR/GFC/13/09/24 STR - REV - 1 18/03/2022 ****NA**	
S - 1	Footings Details												
S - 2	Footings C/S Details												
S - 3	Footings Reinf^ C/S Details												
S - 4													



**SHEET TITLE**

S - 1	PB Plan
S - 2	PB Plan & Layout
S - 3	PB Plan & C/S Details
S - 4	

**PROJECT BY:-**  
NAKSHEWALA.COM AL-AHAD SOLUTIONS PVT. LTD.  
C-37 2nd Floor SEC - 6, NOIDA, 201301  
U.P. INDIA +91 9312739997  
support@nakshewala.com

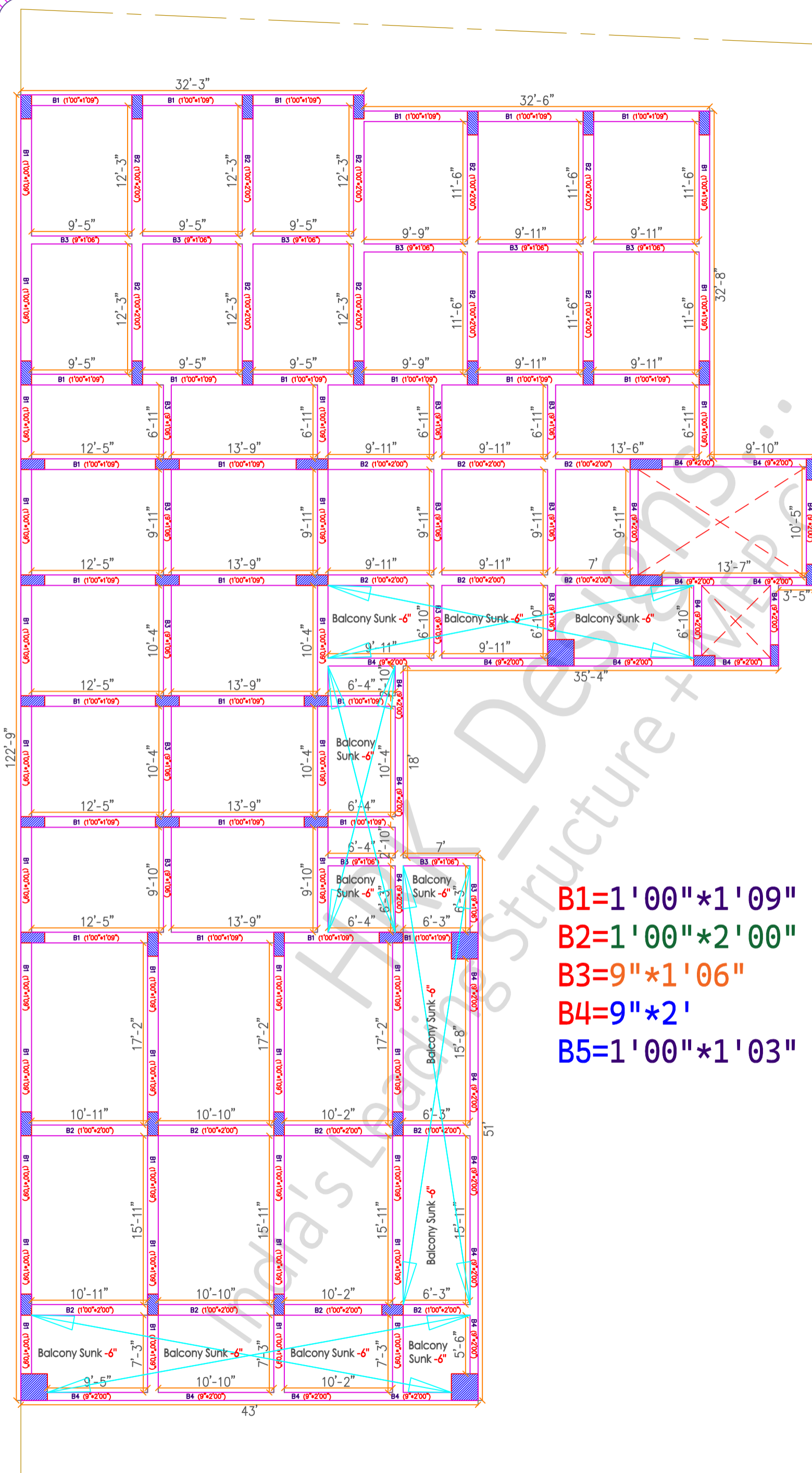
**Half Basement + 5 Story building for Mr. Riyaz Ji @ Buldhana MH**

+91-9380 930 347  
HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD  
Vasna Bayali Road TP2 Gatri Road Vadodara - 391014  
www.hrkdsgns.com  
techteam@hrkdsgns.com  
Gandhidham | Vadodara | Delhi | Mumbai

**S-10**

**PB Plan & Details**

Date - 18/03/2022	PVH	AKA	A3 PRINTS
HRKD/STR/EP/13/09/24	Str Engg.		HRKD/STR/GFC/13/09/24
Str Sign			STR - REV - 1
AKA	Str Stamp		18/03/2022 ****NA***



- B1=1'00" \* 1'09"**
- B2=1'00" \* 2'00"**
- B3=9" \* 1'06"**
- B4=9" \* 2'**
- B5=1'00" \* 1'03"**

LGF = Lower Ground Floor

**SHEET TITLE**

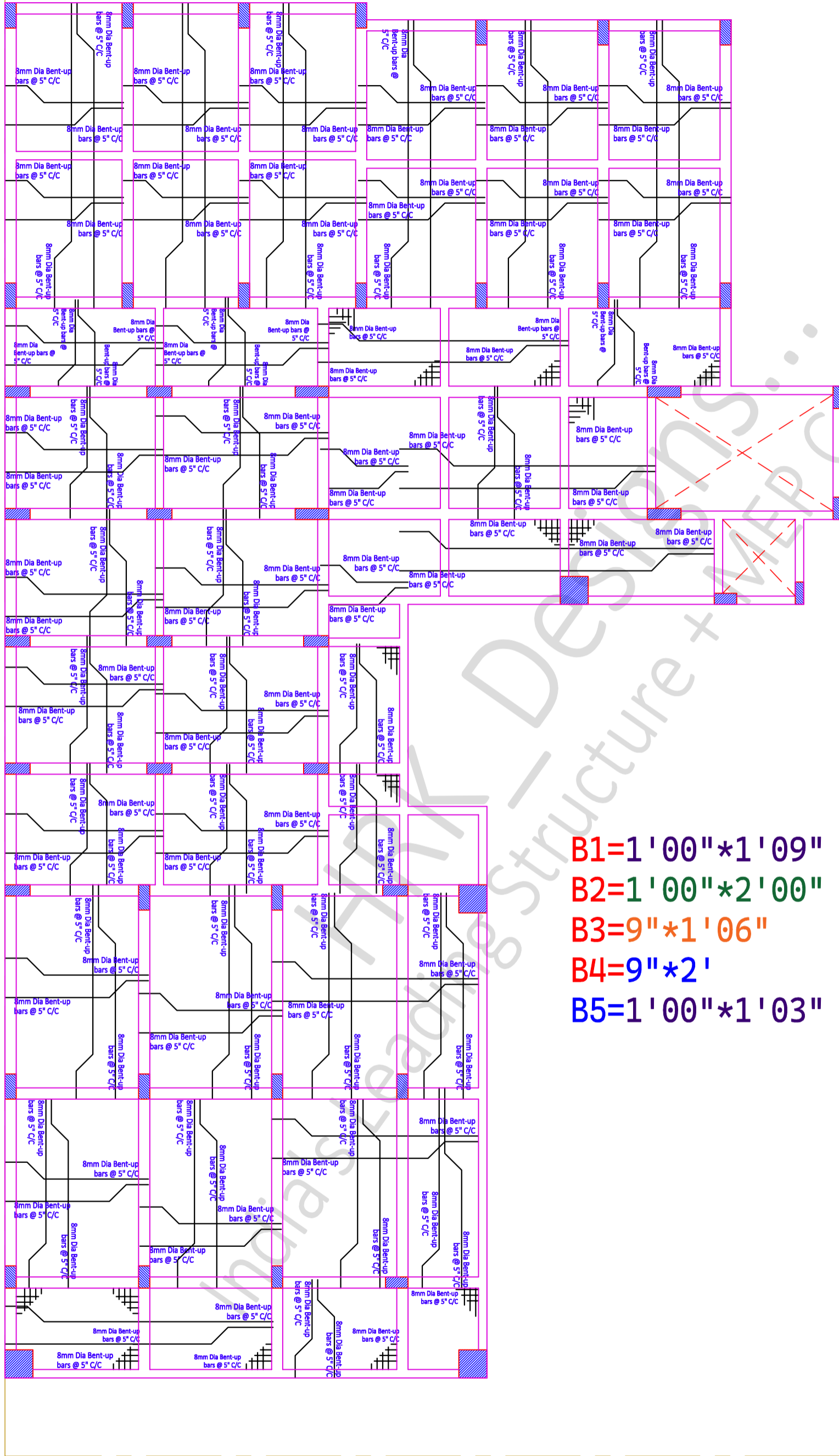
S - 1	LGF Beam Plan
S - 2	LGF Beam Plan & Layout
S - 3	LGF Beam Plan & C/S Details
S - 4	

PROJECT BY:-  
 NAKSHEWALA.COM AL-AHAD  
 SOLUTIONS PVT. LTD.  
 C-37 2nd Floor SEC - 6, NOIDA,  
 201301  
 U.P INDIA +91 9312739997  
 support@nakshewala.com

Half Basement + 5  
 Story building for  
**Mr. Riyaz Ji @**  
**Buldhana MH**

+91-9380 930 347  
 HRK DESIGNS STRUCTURE  
 CONSULTANTS INDIA PVT LTD  
 Vasna Bayali Road TP2 Gotri  
 Road Vadodara - 391014  
**HRK Designs**  
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 techteam@hrkdesigns.com  
 Gandhidham | Vadodara | Delhi | Mumbai

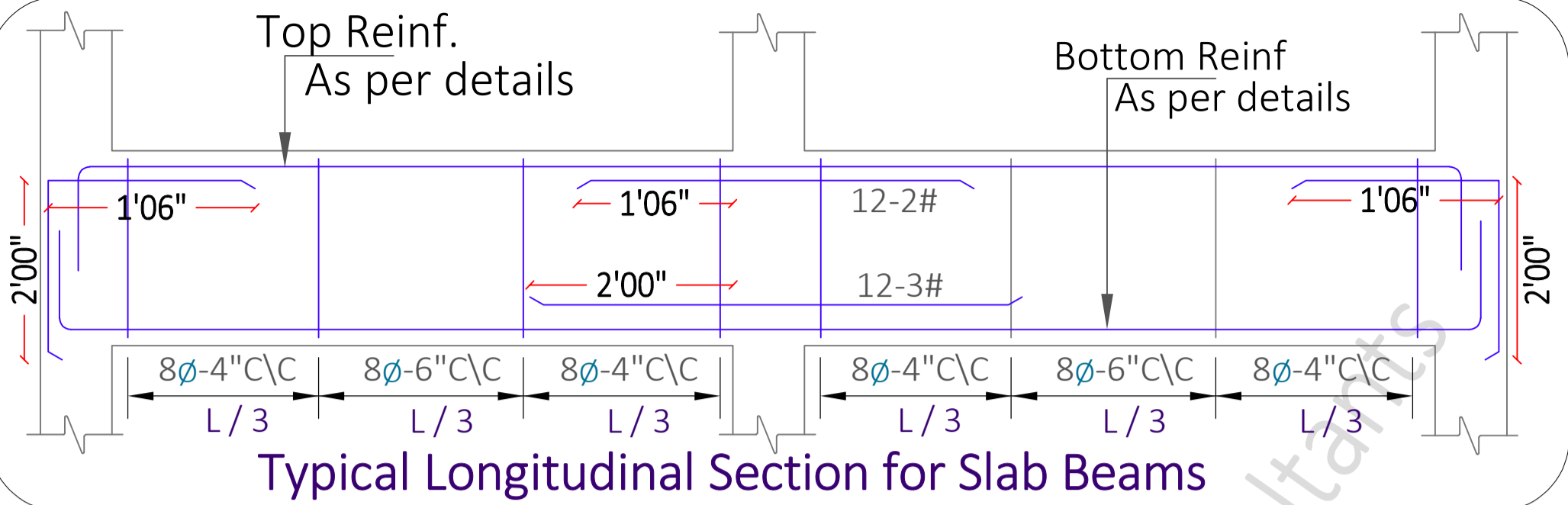
<b>S-11 LGF Beam Plan &amp; Details</b>		Date - 18/03/2022	PVH	AKA	A3 PRINTS
HRKD/STR/EP/13/09/24		Str Engg.	HRKD/STR/GFC/13/09/24		
Str Sign		AKA	STR - REV - 1		
Principal Engineer		Str Stamp	18/03/2022		***NA***



**B1=1'00" \* 1'09"**  
**B2=1'00" \* 2'00"**  
**B3=9" \* 1'06"**  
**B4=9" \* 2'**  
**B5=1'00" \* 1'03"**

LGF = Lower Ground Floor

<b>SHEET TITLE</b> S - 1 LGF Slab Plan S - 2 LGF Slab Plan & Layout S - 3 LGF Slab Plan & C/S Details S - 4		PROJECT BY:- NAKSHEWALA.COM AL-AHAD SOLUTIONS PVT. LTD. C-37 2nd Floor SEC - 6, NOIDA, 201301 U.P INDIA +91 9312739997 support@nakshewala.com	Half Basement + 5 Story building for <b>Mr. Riyaz Ji @ Buldhana MH</b>	HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD Vasna Bayali Road TP2 Gotri Road Vadodara - 391014 www.hrkdesigns.com techteam@hrkdesigns.com	<b>S-12 LGF Slab Plan &amp; Details</b> Date - 18/03/2022 HRKD/STR/EP/13/09/24 Str Sign AKA	PVH AKA Str Engg. Str Stamp	A3 PRINTS HRKD/STR/GFC/13/09/24 STR - REV - 1 18/03/2022 ****NA****
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Typical Longitudinal Section for Slab Beams

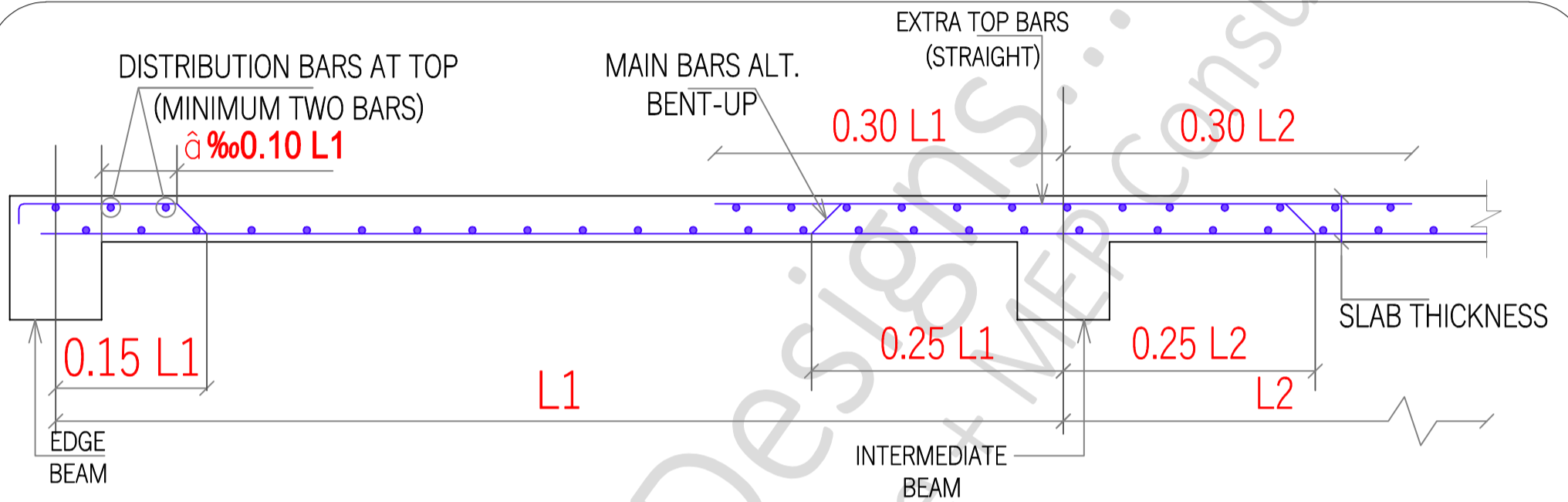


Figure - 4

Typical Slab Section for all the floors

B-1	B-2	B-3	B-4
1'x1'09"	1'x2'	9"x1'06"	9"x2'00"
B-1	B-2	B-3	B-4
2.30%	2.80%	1.68%	1.60%

Slab Thickness = 7"

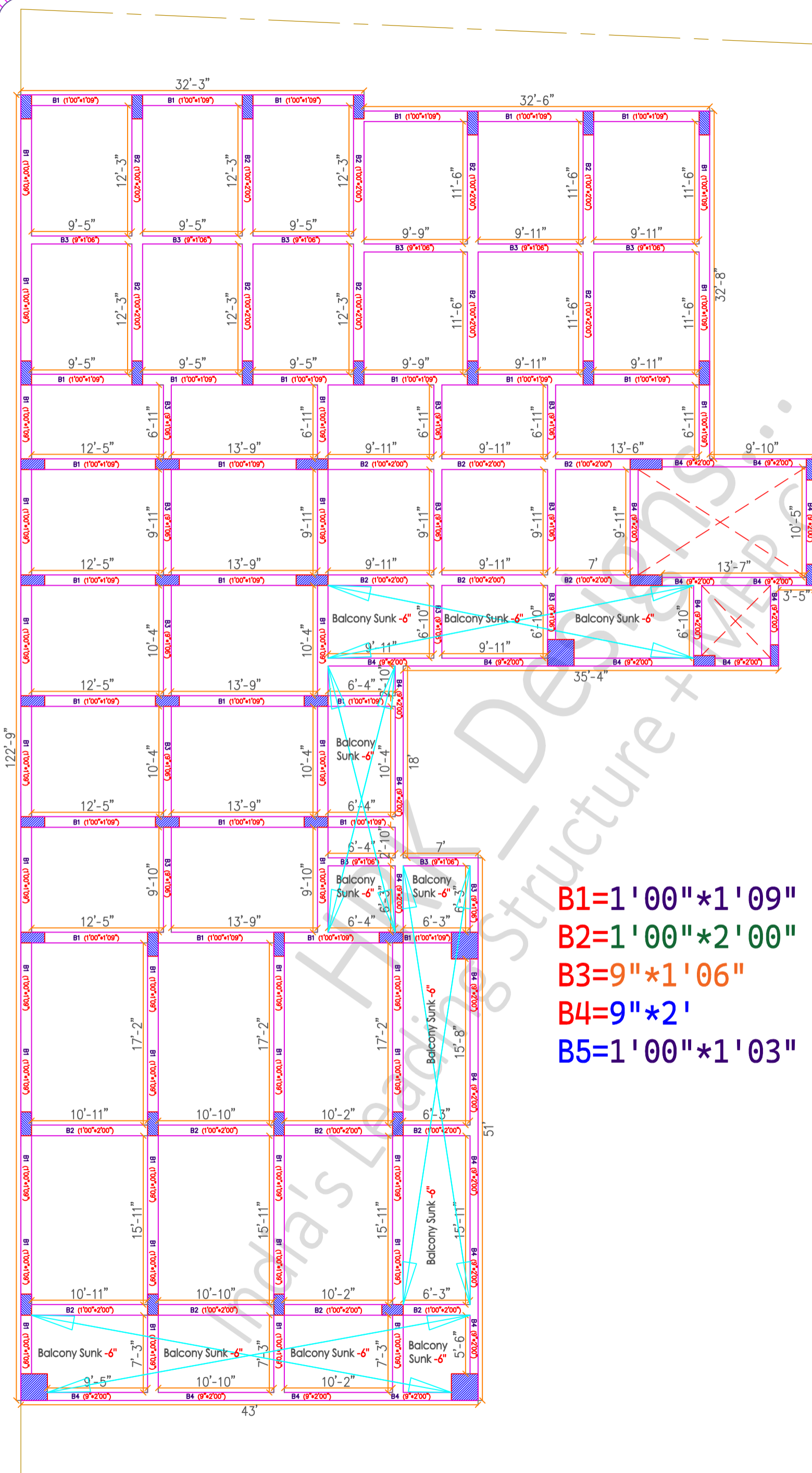
10∅ Bent-up bars @ 5" C/C

10∅ Straight bars @ 5" C/C

12∅ Extra bars @ 1' C/C (Junctions & Ends)

● LARGER DIA REINFORCEMENT BAR  
○ SMALLER DIA REINFORCEMENT BAR

<b>SHEET TITLE</b> S - 1 LGF Beam C/S Details S - 2 LGF Slab C/S Details S - 3 LGF Beam Reinf^ C/S Details S - 4 LGF Slab Reinf^ Details		PROJECT BY:- NAKSHEWALA.COM AL-AHAD SOLUTIONS PVT. LTD. C-37 2nd Floor SEC - 6, NOIDA, 201301 U.P INDIA +91 9312739997 support@nakshewala.com	Half Basement + 5 Story building for <b>Mr. Riyaz Ji @ Buldhana MH</b>	HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD Vasna Bayali Road TP2 Gotri Road Vadodara - 391014 +91-9380 930 347 www.hrkdesigns.com techteam@hrkdesigns.com Gandhidham   Vadodara   Delhi   Mumbai	<b>S-13 LGF Beam &amp; Reinf^ Details</b> Date - 18/03/2022 HRKD/STR/EP/13/09/24 Str Sign AKA	PVH AKA Str Engg. Str Stamp	<b>A3 PRINTS</b> HRKD/STR/GFC/13/09/24 STR - REV - 1 18/03/2022 ***NA***
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- B1**=1'00" \* 1'09"
- B2**=1'00" \* 2'00"
- B3**=9" \* 1'06"
- B4**=9" \* 2'
- B5**=1'00" \* 1'03"

UGF = Upper Ground Floor

**SHEET TITLE**

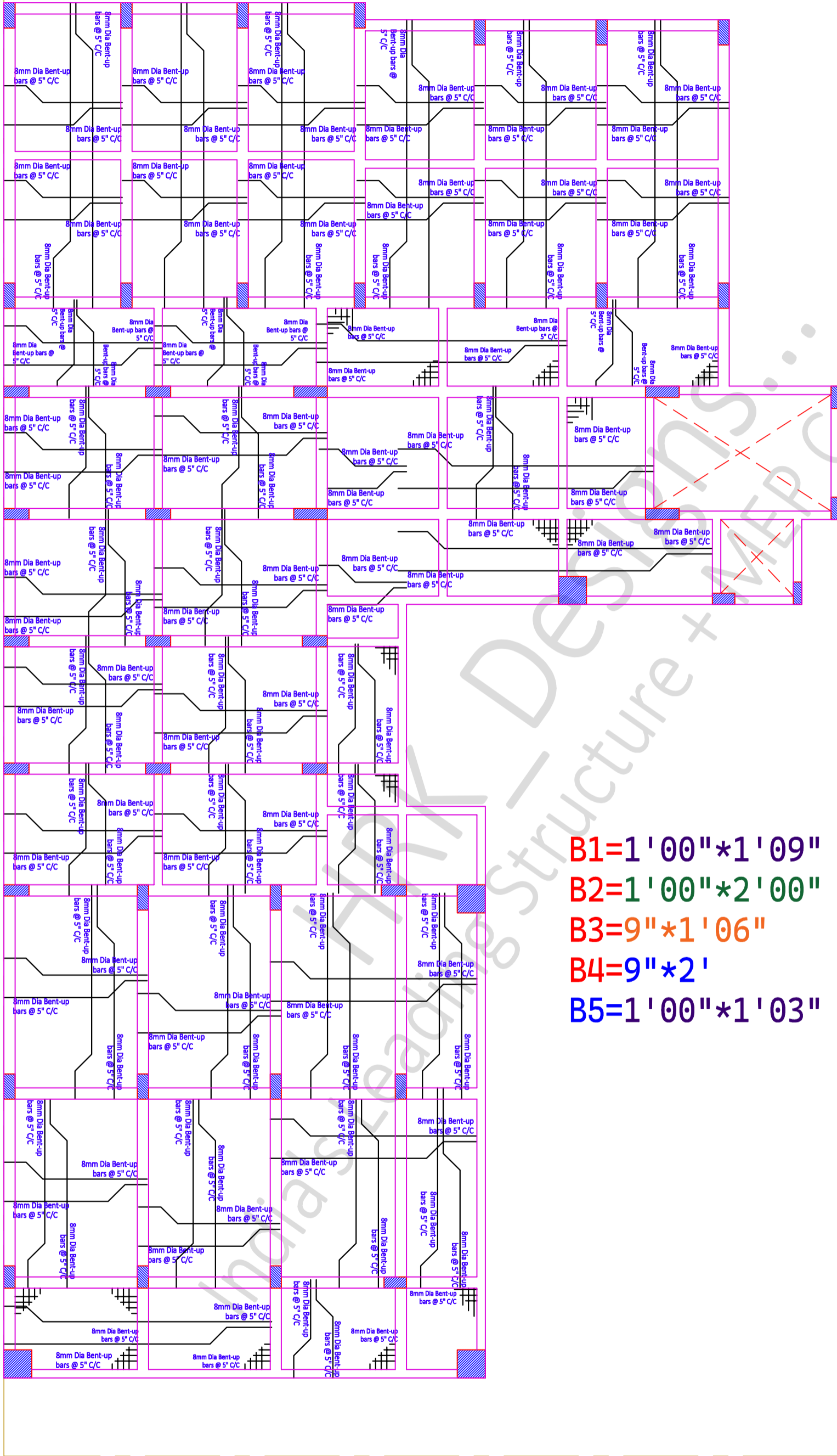
S - 1	UGF Beam Plan
S - 2	UGF Beam Plan & Layout
S - 3	UGF Beam Plan & C/S Details
S - 4	

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 201301  
 U.P INDIA +91 9312739997  
 support@nakshewala.com

Half Basement + 5  
 Story building for  
**Mr. Riyaz Ji @**  
**Buldhana MH**

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 HRK DESIGNS STRUCTURE  
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 Road Vadodara - 391014  
**HRK Designs**  
 www.hrkdesigns.com  
 techteam@hrkdesigns.com

<b>S-14 UGF Beam Plan &amp; Details</b>		Date - 18/03/2022	PVH	AKA	A3 PRINTS
HRKD/STR/EP/13/09/24		Str Engg.	HRKD/STR/GFC/13/09/24		
Str Sign		AKA	Str Stamp	STR - REV - 1	
Principal Engineer				18/03/2022 ****NA**	



- B1=1'00" \* 1'09"
- B2=1'00" \* 2'00"
- B3=9" \* 1'06"
- B4=9" \* 2'
- B5=1'00" \* 1'03"

# UGF = Upper Ground Floor

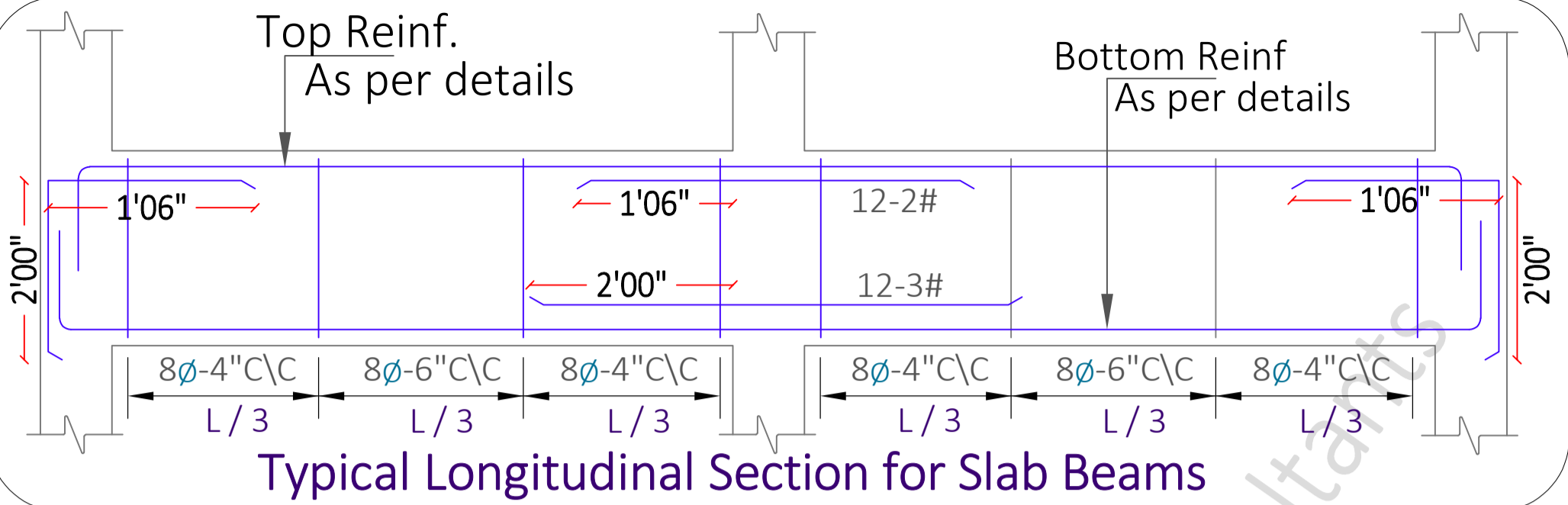
SHEET TITLE	
S - 1	UGF Slab Plan
S - 2	UGF Slab Plan & Layout
S - 3	UGF Slab Plan & C/S Details
S - 4	

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**Mr. Riyaz Ji @**  
**Buldhana MH**

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 Vasna Bayali Road TP2 Gotri  
 Road Vadodara - 391014  
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 techteam@hrkdesigns.com

<b>S-15</b>	<b>UGF Slab Plan &amp; Details</b>		
Date - 18/03/2022	PVH	AKA	A3 PRINTS
HRKD/STR/EP/13/09/24	Str Engg.		HRKD/STR/GFC/13/09/24
Str Sign			STR - REV - 1
Principal Engineer	AKA	Str Stamp	18/03/2022 ****NA****



Typical Longitudinal Section for Slab Beams

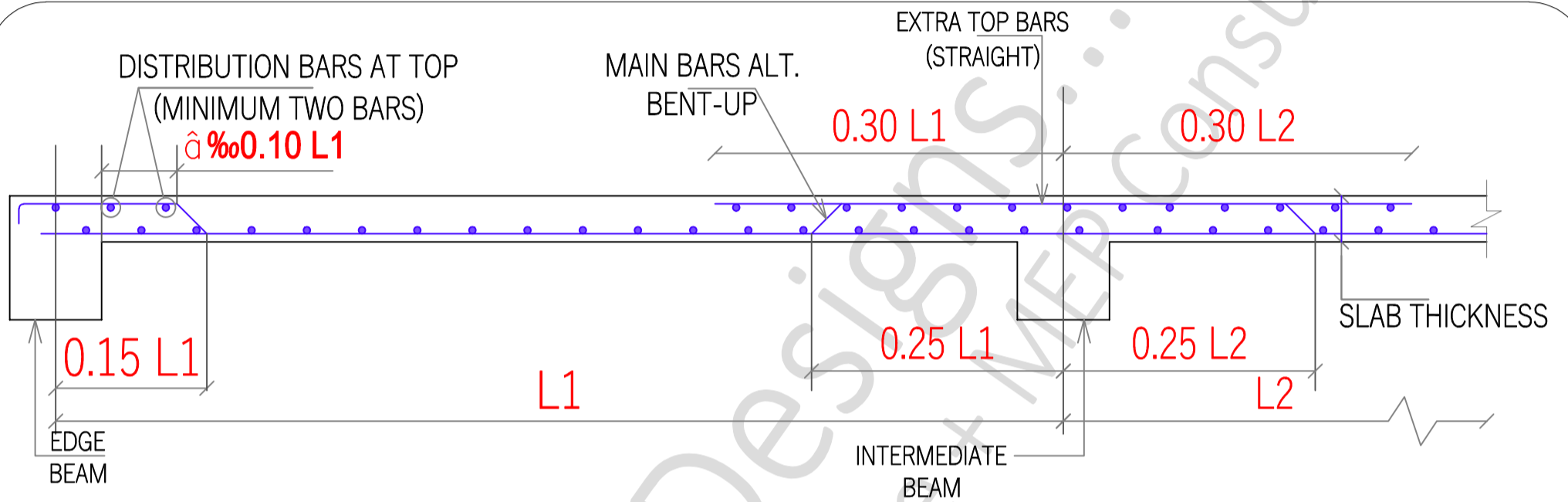


Figure - 4

Typical Slab Section for all the floors

B-1    1'x1'09" B-1    2.30%	B-2    1'x2' B-2    2.80%	B-3    9"x1'06" B-3    1.68%	B-4    9"x2'00" B-4    1.60%

Slab Thickness = 7"

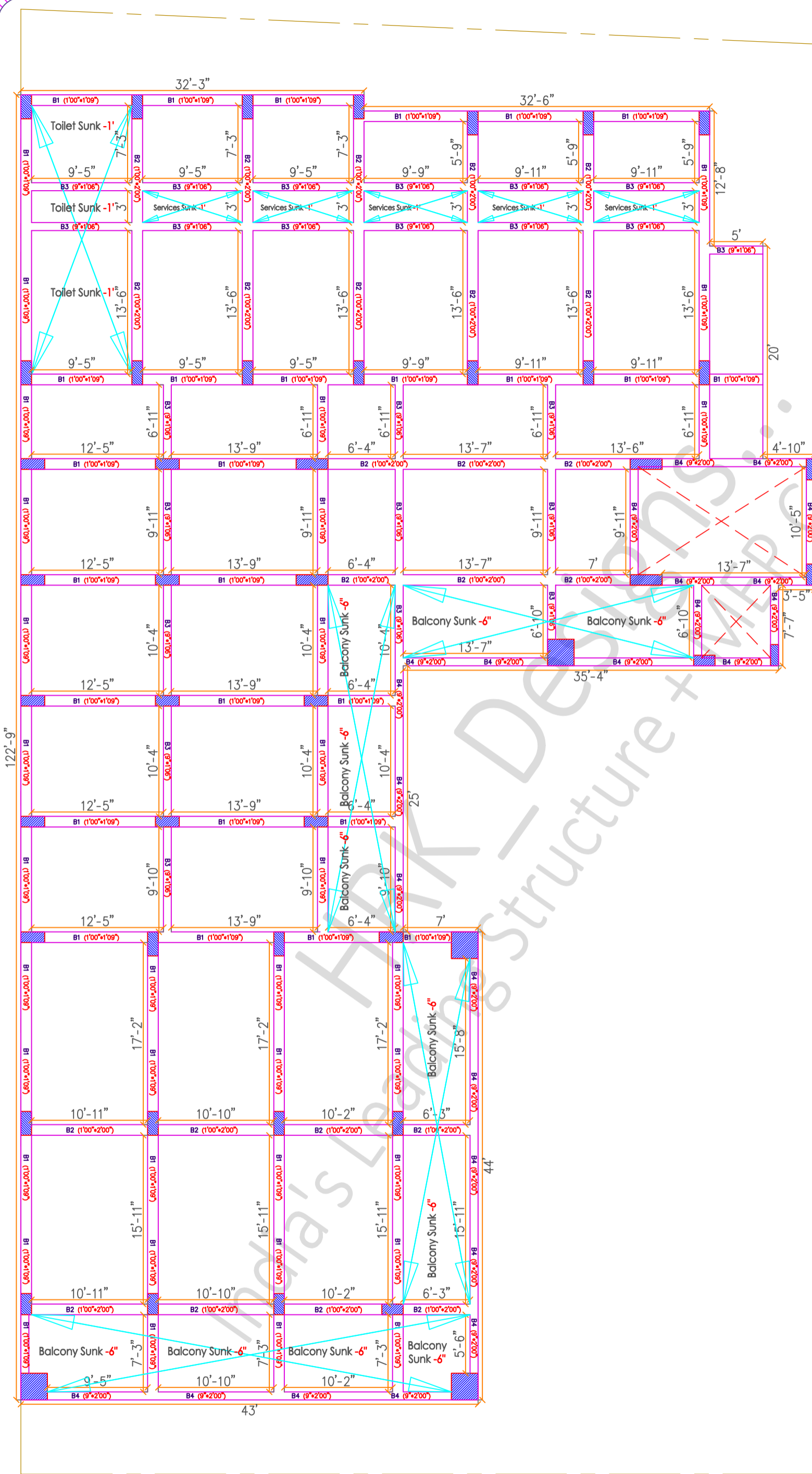
10∅ Bent-up bars @ 5" C/C

10∅ Straight bars @ 5" C/C

12∅ Extra bars @ 1' C/C (Junctions & Ends)

● LARGER DIA REINFORCEMENT BAR  
○ SMALLER DIA REINFORCEMENT BAR

<b>SHEET TITLE</b> S - 1 UGF Beam C/S Details S - 2 UGF Slab C/S Details S - 3 UGF Beam Reinf^ C/S Details S - 4 UGF Slab Reinf^ Details		PROJECT BY:- NAKSHEWALA.COM AL-AHAD SOLUTIONS PVT. LTD. C-37 2nd Floor SEC - 6, NOIDA, 201301 U.P INDIA +91 9312739997 support@nakshewala.com	Half Basement + 5 Story building for <b>Mr. Riyaz Ji @ Buldhana MH</b>	HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD Vasna Bayali Road TP2 Gotri Road Vadodara - 391014 +91-9380 930 347 www.hrkdesigns.com techteam@hrkdesigns.com Gandhidham   Vadodara   Delhi   Mumbai	<b>S-16 UGF Beam &amp; Reinf^ Details</b> Date - 18/03/2022 HRKD/STR/EP/13/09/24 Str Sign AKA	PVH AKA Str Engg. Str Stamp AKA	<b>A3 PRINTS</b> HRKD/STR/GFC/13/09/24 STR - REV - 1 18/03/2022 ***NA***
--	--	---	---	--	---	--	---



FF = First Floor

**SHEET TITLE**

S - 1	FF Beam Plan
S - 2	FF Beam Plan & Layout
S - 3	FF Beam Plan & C/S Details
S - 4	

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C-37 2nd Floor SEC - 6, NOIDA,  
201301  
U.P. INDIA +91 9312739997  
support@nakshewala.com

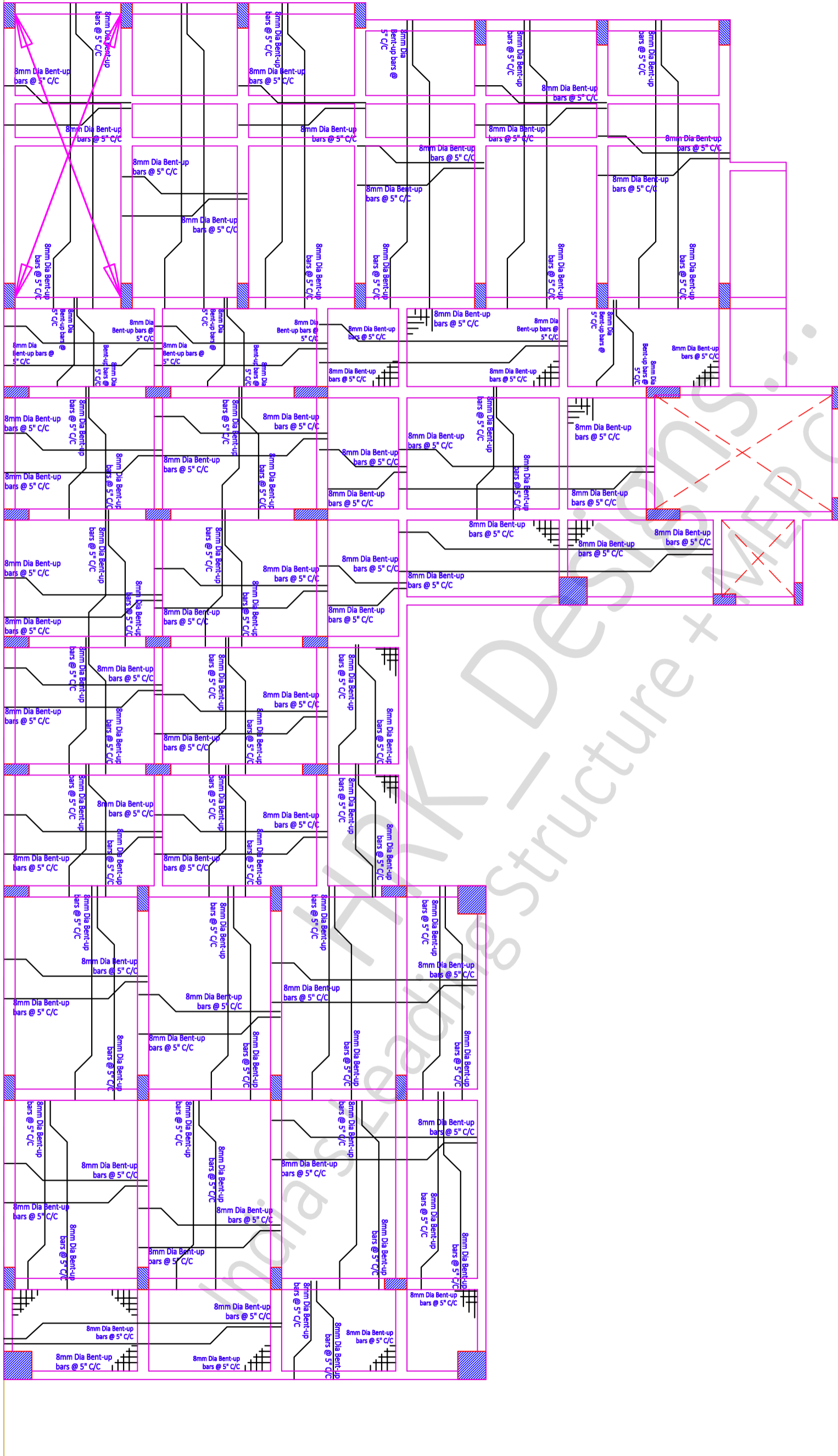
Half Basement + 5  
Story building for  
**Mr. Riyaz Ji @  
Buldhana MH**

+91-9380 930 347

HRK DESIGNS STRUCTURE  
CONSULTANTS INDIA PVT LTD  
Vasna Bayali Road TP2 Gotri  
Road Vadodara - 391014  
**HRK Designs**  
www.hrkdsgns.com  
techteam@hrkdsgns.com

**S-17 FF Beam Plan & Details**

Date - 18/03/2022	PVH	AKA	A3 PRINTS
HRKD/STR/EP/13/09/24	Str Engg.		HRKD/STR/GFC/13/09/24
Str Sign			STR - REV - 1
Principal Engineer	AKA	Str Stamp	18/03/2022 ***NA***



# FF = First Floor

### SHEET TITLE

S - 1	FF Slab Plan
S - 2	FF Slab Plan & Layout
S - 3	FF Slab Plan & C/S Details
S - 4	

**PROJECT BY:-**  
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 C-37 2nd Floor SEC - 6, NOIDA,  
 201301  
 U.P INDIA +91 9312739997  
 support@nakshewala.com

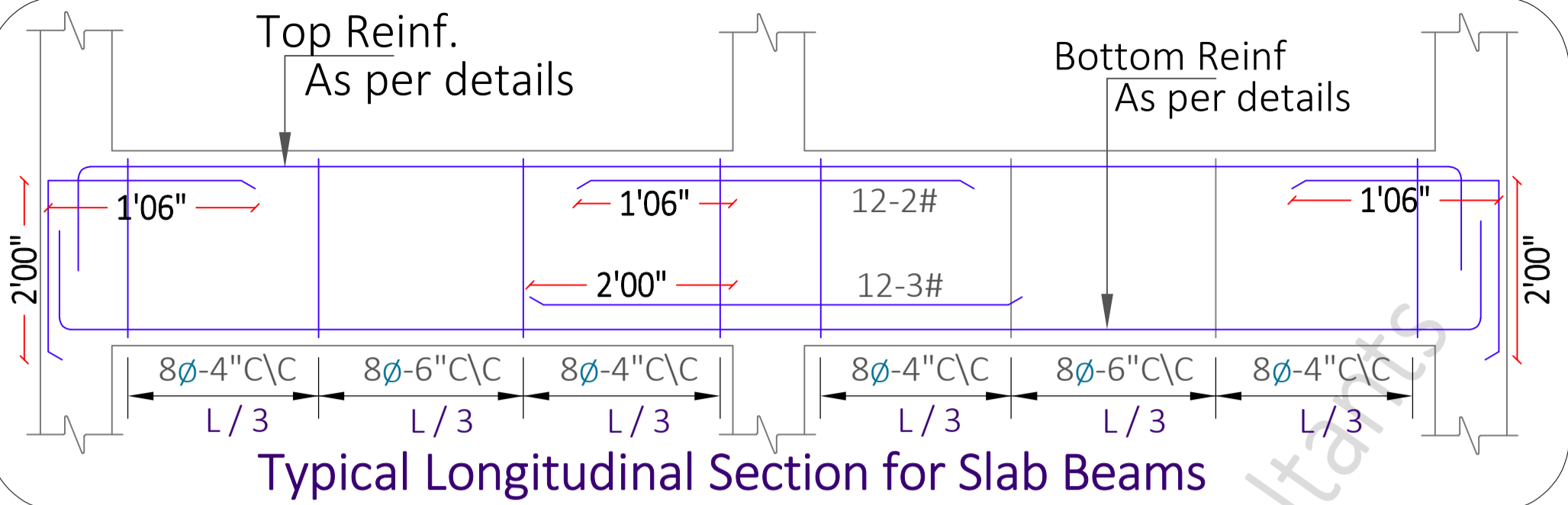
Half Basement + 5  
 Story building for  
**Mr. Riyaz Ji @**  
**Buldhana MH**

+91-9380 930 347

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 techteam@hrkdesigns.com

### S-18 FF Slab Plan & Details

Date - 18/03/2022	PVH	AKA	A3 PRINTS
HRKD/STR/EP/13/09/24	Str Engg.		HRKD/STR/GFC/13/09/24
Str Sign			STR - REV - 1
AKA	Str Stamp		18/03/2022 ***NA***



Typical Longitudinal Section for Slab Beams

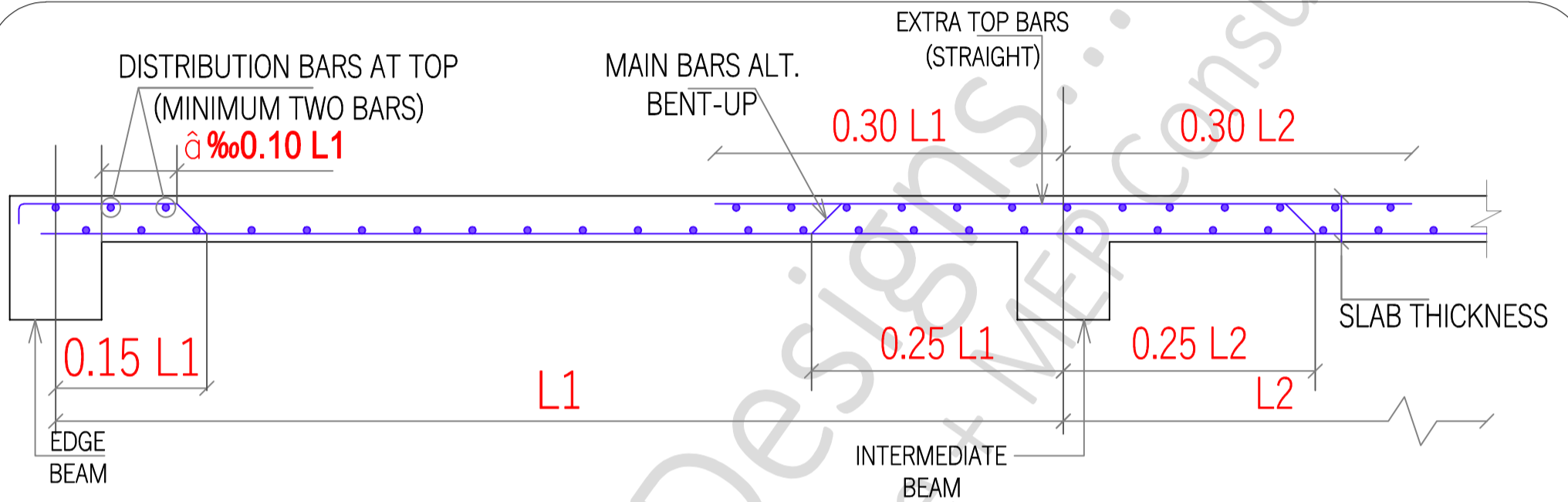


Figure - 4

Typical Slab Section for all the floors

B-1	B-2	B-3	B-4
1'x1'09"	1'x2'	9"x1'06"	9"x2'00"
B-1	B-2	B-3	B-4
2.10%	2.45%	1.58%	1.35%

Slab Thickness = 7"

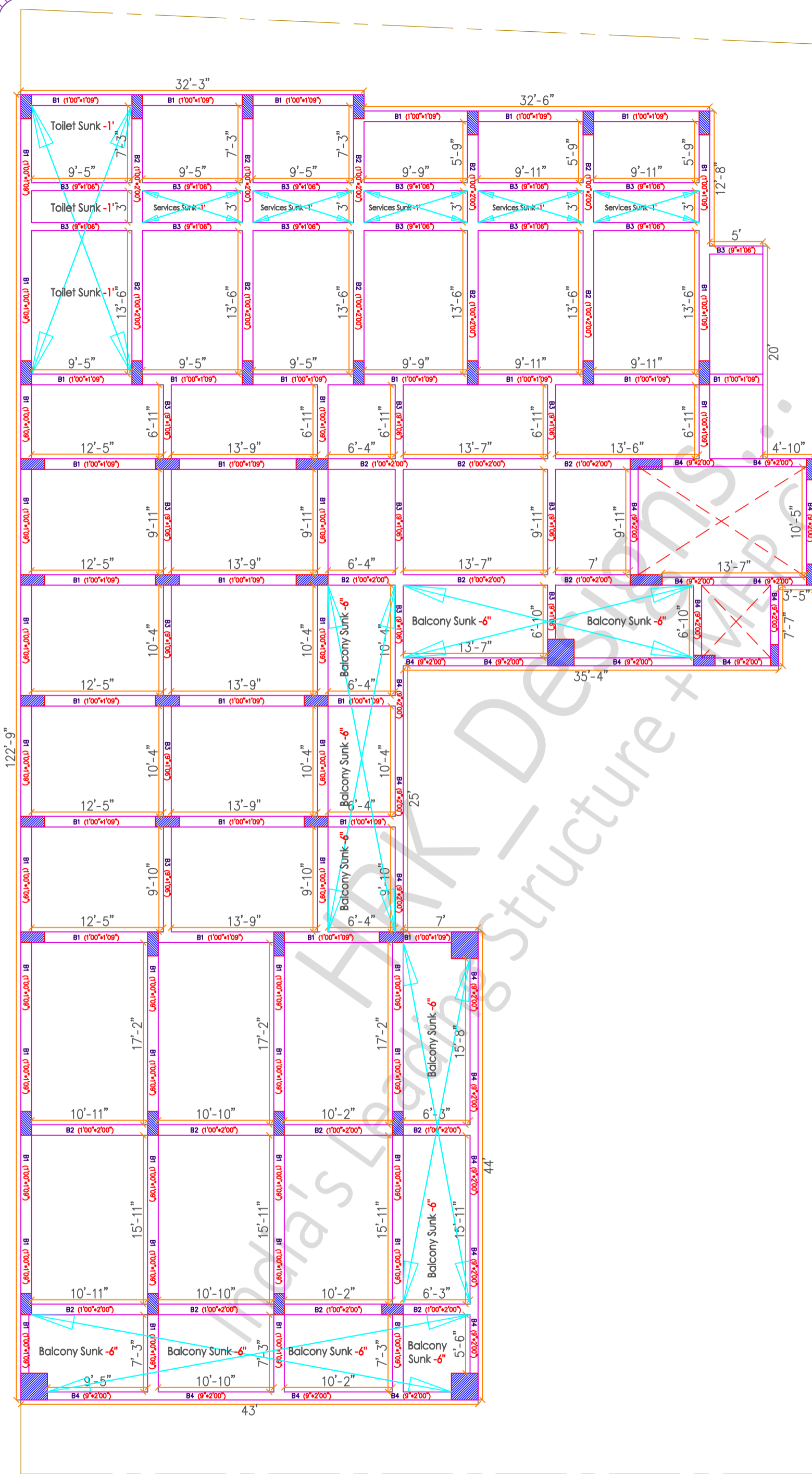
10∅ Bent-up bars @ 5" C/C

10∅ Straight bars @ 5" C/C

12∅ Extra bars @ 1' C/C (Junctions & Ends)

● LARGER DIA REINFORCEMENT BAR  
○ SMALLER DIA REINFORCEMENT BAR

<b>SHEET TITLE</b> S - 1 FF Beam C/S Details S - 2 FF Slab C/S Details S - 3 FF Beam Reinf^ C/S Details S - 4 FF Slab Reinf^ Details		<b>PROJECT BY:-</b> NAKSHEWALA.COM AL-AHAD SOLUTIONS PVT. LTD. C-37 2nd Floor SEC - 6, NOIDA, 201301 U.P INDIA +91 9312739997 support@nakshewala.com	Half Basement + 5 Story building for <b>Mr. Riyaz Ji @ Buldhana MH</b>	HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD Vasna Bayali Road TP2 Gotri Road Vadodara - 391014 +91-9380 930 347 www.hrkdesigns.com techteam@hrkdesigns.com Gandhidham   Vadodara   Delhi   Mumbai	<b>S-19</b> FF Beam & Reinf^ Details Date - 18/03/2022 HRKD/STR/EP/13/09/24 Str Sign AKA	PVH AKA Str Engg. Str Stamp	<b>A3 PRINTS</b> HRKD/STR/GFC/13/09/24 STR - REV - 1 18/03/2022 ***NA***
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SF = Second Floor

**SHEET TITLE**

S - 1	SF Beam Plan
S - 2	SF Beam Plan & Layout
S - 3	SF Beam Plan & C/S Details
S - 4	

PROJECT BY:-  
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 C-37 2nd Floor SEC - 6, NOIDA,  
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 U.P INDIA +91 9312739997  
 support@nakshewala.com

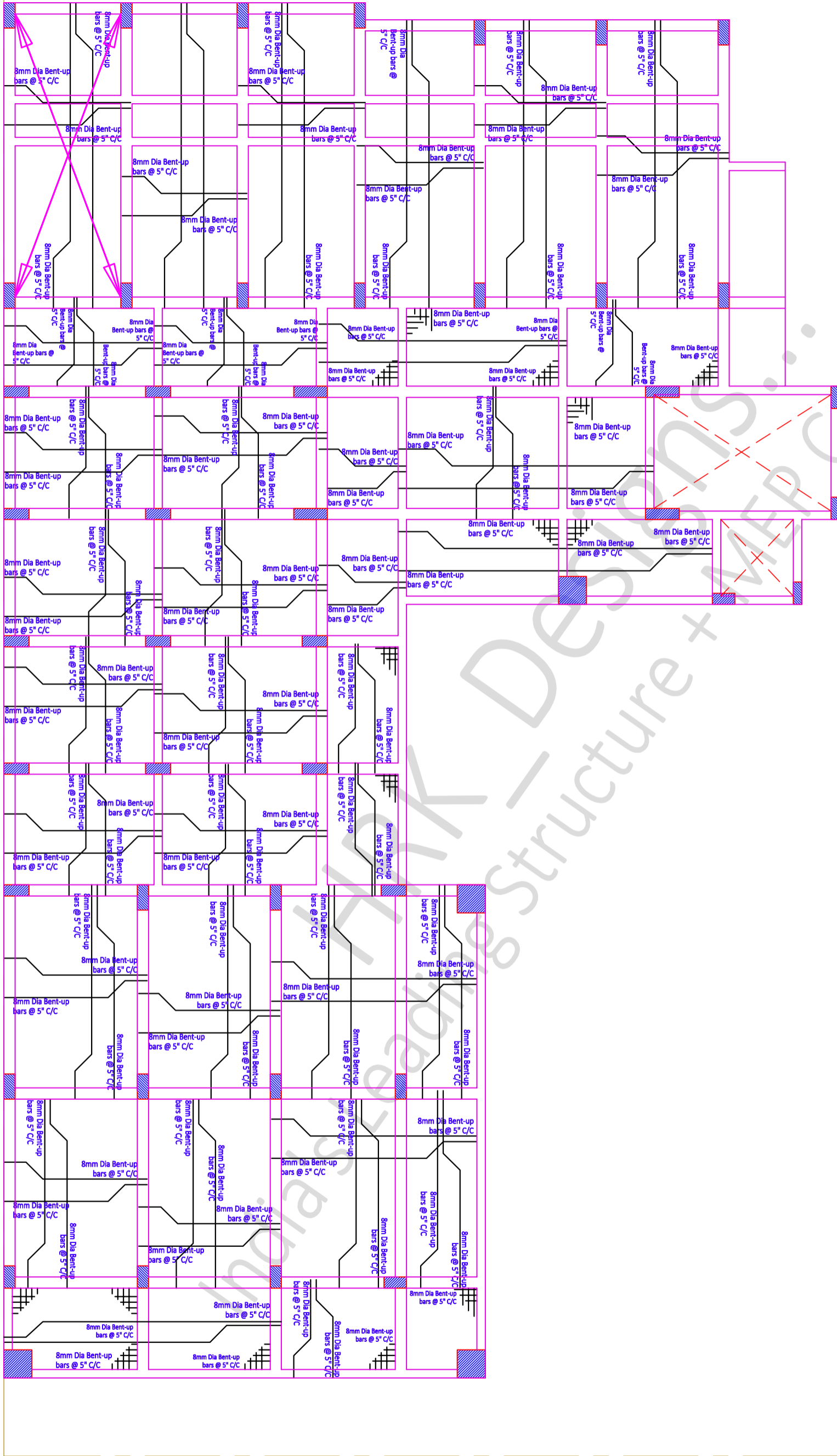
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 Story building for  
**Mr. Riyaz Ji @**  
**Buldhana MH**

+91-9380 930 347

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 Road Vadodara - 391014  
**HRK Designs**  
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 techteam@hrkdesigns.com

**S-20 SF Beam Plan & Details**

Date - 18/03/2022	PVH	AKA	A3 PRINTS
HRKD/STR/EP/13/09/24	Str Engg.		HRKD/STR/GFC/13/09/24
Str Sign	AKA	Str Stamp	STR - REV - 1
Principal Engineer			18/03/2022 ***NA***



# SF = Second Floor

### SHEET TITLE

S - 1	SF Slab Plan
S - 2	SF Slab Plan & Layout
S - 3	SF Slab Plan & C/S Details
S - 4	

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**Buldhana MH**

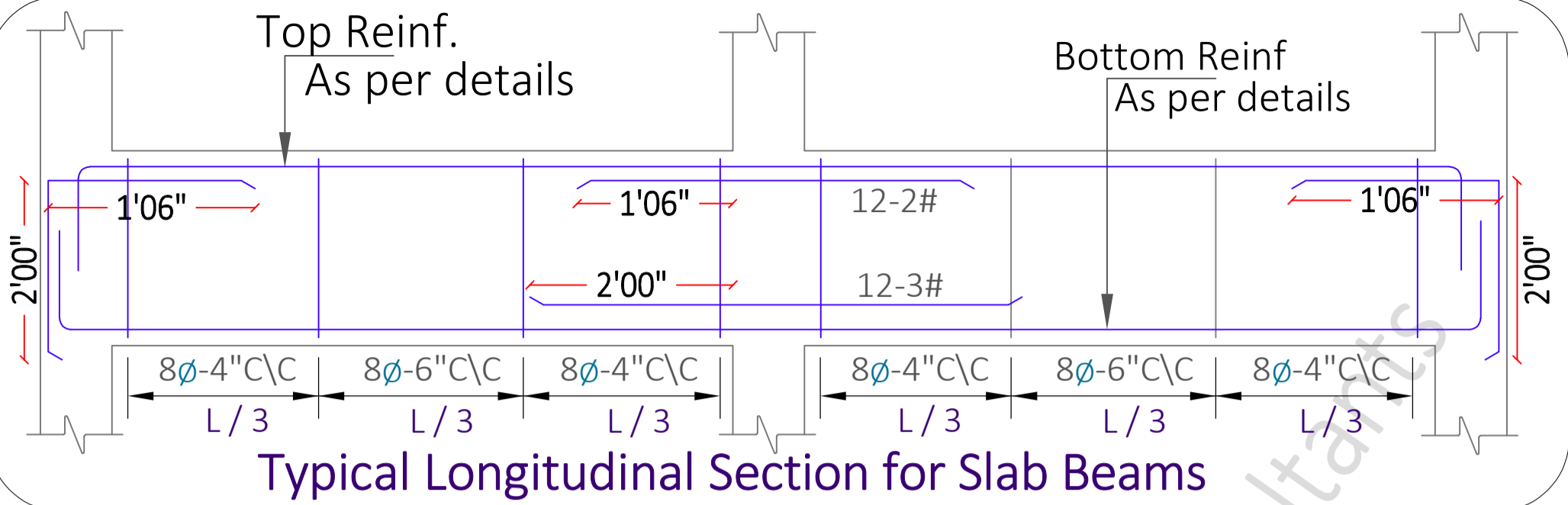
+91-9380 930 347

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 Road Vadodara - 391014  
 www.hrkdesigns.com  
 techteam@hrkdesigns.com

### S-21

### SF Slab Plan & Details

Date - 18/03/2022	PVH	AKA	A3 PRINTS
HRKD/STR/EP/13/09/24	Str Engg.		HRKD/STR/GFC/13/09/24
Str Sign			STR - REV - 1
AKA	Str Stamp		18/03/2022 ***NA***



Typical Longitudinal Section for Slab Beams

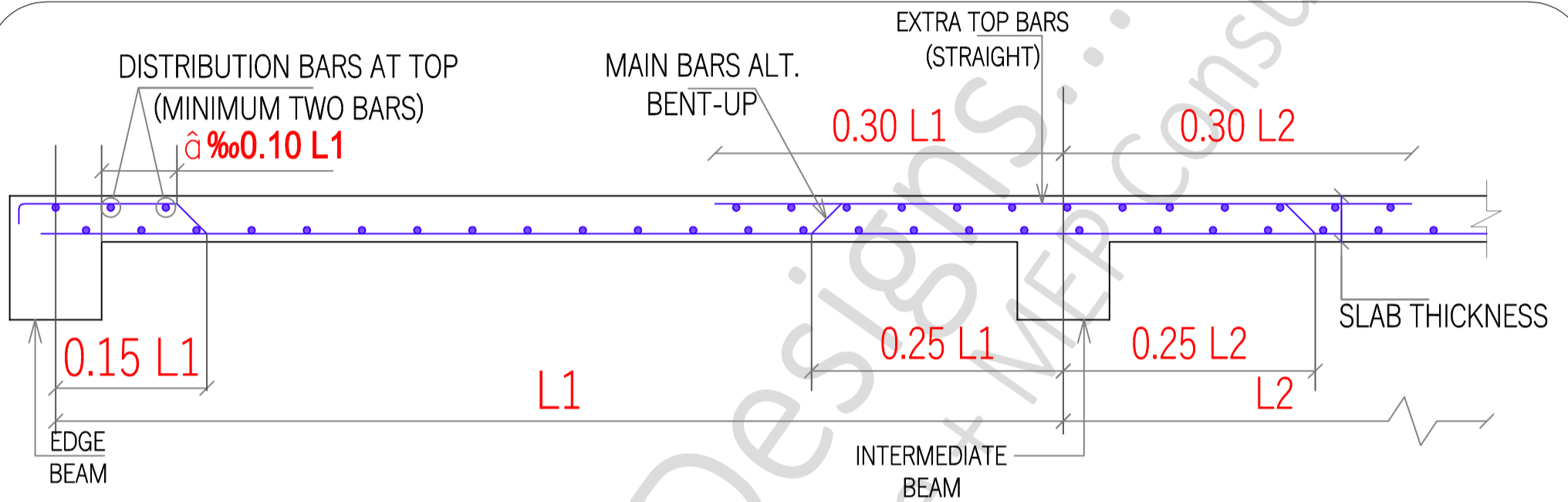


Figure - 4 Typical Slab Section for all the floors

B-1 1'x1'09"	B-2 1'x2'	B-3 9"x1'06"	B-4 9"x2'00"
B-1 1.35%	B-2 1.55%	B-3 1.36%	B-4 1.15%

Slab Thickness = 7"

10∅ Bent-up bars @ 5" C/C

10∅ Straight bars @ 5" C/C

12∅ Extra bars @ 1' C/C (Junctions & Ends)

● LARGER DIA REINFORCEMENT BAR  
○ SMALLER DIA REINFORCEMENT BAR

<b>SHEET TITLE</b> S - 1 SF Beam C/S Details S - 2 SF Slab C/S Details S - 3 SF Beam Reinf^ C/S Details S - 4 SF Slab Reinf^ Details		<b>PROJECT BY:-</b> NAKSHEWALA.COM AL-AHAD SOLUTIONS PVT. LTD. C-37 2nd Floor SEC - 6, NOIDA, 201301 U.P INDIA +91 9312739997 support@nakshewala.com	Half Basement + 5 Story building for Mr. Riyaz Ji @ Buldhana MH	HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD Vasna Bayali Road TP2 Gotri Road Vadodara - 391014 +91-9380 930 347 www.hrkdsgns.com techteam@hrkdsgns.com Gandhidham   Vadodara   Delhi   Mumbai	<b>S-22 SF Beam &amp; Reinf^ Details</b> Date - 18/03/2022 HRKD/STR/EP/13/09/24 Str Sign AKA	PVH AKA Str Engg. Str Stamp	<b>A3 PRINTS</b> HRKD/STR/GFC/13/09/24 STR - REV - 1 18/03/2022 ***NA***
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## Col's Details upto 3rd & 4th Slab LVL only

**C1 - 2'06" x 2'06"**

16 $\phi$  - 4# +  
20 $\phi$  - 12#  
8 $\phi$  @ 6" C/C

C1 - 2'06" x 2'06" - 0.82%

3 Ring's (3 Rectangle)

**C2 - 1'00" x 2'03"**

16 $\phi$  - 14#  
8 $\phi$  @ 6" C/C

C2 - 1'00" x 2'03" - 1.40%

3 Ring's (3 Rectangle)

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

16 $\phi$  - 12#  
8 $\phi$  @ 6" C/C

C3 - 1'00" x 2'00" - 1.35%

3 Ring's (3 Rectangle)

**C4 - 1'00" x 3'00"**

16 $\phi$  - 10# +  
20 $\phi$  - 4#  
8 $\phi$  @ 6" C/C

C4 - 1'00" x 3'00" - 1.22%

3 Ring's (3 Rectangle)

**C5 - 0'09" x 2'00"**

16 $\phi$  - 8#  
8 $\phi$  @ 6" C/C

C5 - 0'09" x 2'00" - 1.15%

3 Ring's (3 Rectangle)

C1=2'06"\*2'06"=4No's  
 C2=1'\*2'03"=34No's  
 C3=1'\*2'=6No's  
 C4=1'\*3'=2No's  
 C5=9"\*2'=2No's

## Col's Details upto 5th & 6th Slab

**C1 - 2'06" x 2'06"**

16 $\phi$  - 4# +  
20 $\phi$  - 12#  
8 $\phi$  @ 6" C/C

C1 - 2'06" x 2'06" - 0.82%

3 Ring's (3 Rectangle)

**C2 - 1'00" x 2'03"**

16 $\phi$  - 14#  
8 $\phi$  @ 6" C/C

C2 - 1'00" x 2'03" - 1.40%

3 Ring's (3 Rectangle)

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

16 $\phi$  - 12#  
8 $\phi$  @ 6" C/C

C3 - 1'00" x 2'00" - 1.35%

3 Ring's (3 Rectangle)

**C4 - 1'00" x 3'00"**

16 $\phi$  - 10# +  
20 $\phi$  - 4#  
8 $\phi$  @ 6" C/C

C4 - 1'00" x 3'00" - 1.22%

3 Ring's (3 Rectangle)

**C5 - 0'09" x 2'00"**

16 $\phi$  - 8#  
8 $\phi$  @ 6" C/C

C5 - 0'09" x 2'00" - 1.15%

3 Ring's (3 Rectangle)

C1=2'06"\*2'06"=4No's  
 C2=1'\*2'03"=34No's  
 C3=1'\*2'=6No's  
 C4=1'\*3'=2No's  
 C5=9"\*2'=2No's

**SHEET TITLE**

S - 1	Col's C/S Details
S - 2	
S - 3	
S - 4	

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 support@nakshewala.com

Half Basement + 5  
 Story building for  
 Mr. Riyaz Ji @  
 Buldhana MH

+91-9380 930 347

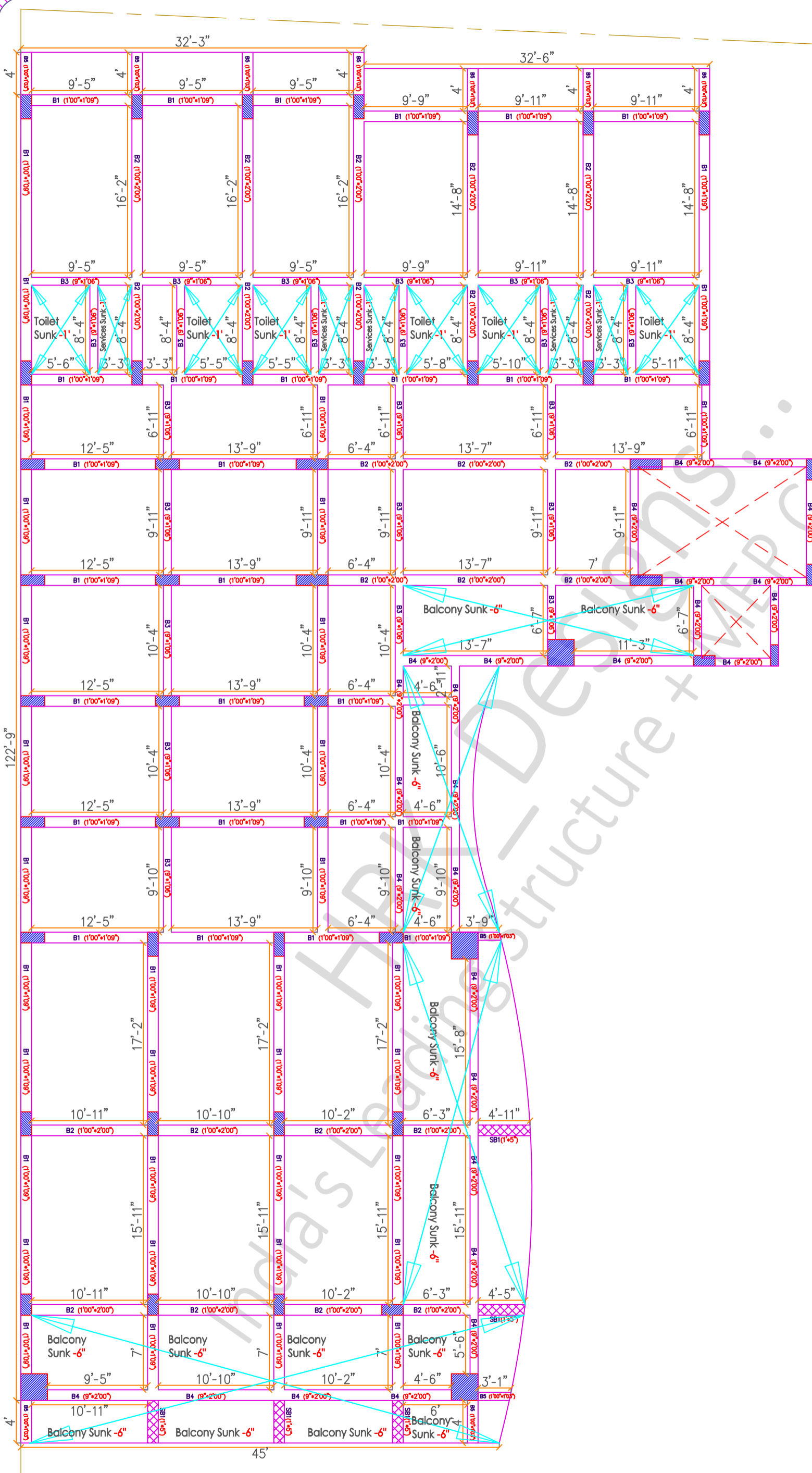
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 CONSULTANTS INDIA PVT LTD

Vasna Bayali Road TP2 Gotri  
 Road Vadodara - 391014

HRK Designs  
 www.hrkdesigns.com  
 techteam@hrkdesigns.com

**S-23 Col's & Ped's C/S Details**

Date - 18/03/2022	PVH	AKA	A3 PRINTS
HRKD/STR/EP/13/09/24	Str Engg.		HRKD/STR/GFC/13/09/24
Str Sign	AKA	Str Stamp	STR - REV - 1
Principal Engineer			18/03/2022 ***NA***



# 3F = Third Floor

## SHEET TITLE

S - 1	3F Beam Plan
S - 2	3F Beam Plan & Layout
S - 3	3F Beam Plan & C/S Details
S - 4	

PROJECT BY:-  
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 SOLUTIONS PVT. LTD.  
 C-37 2nd Floor Sec - 6, NOIDA,  
 201301  
 U.P. INDIA +91 9312739997  
 support@nakshewala.com

Half Basement + 5  
 Story building for  
**Mr. Riyaz Ji @**  
**Buldhana MH**

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 Vasna Bayali Road TP2 Gotri  
 Road Vadodara - 391014  
 www.hrkdesigns.com  
 techteam@hrkdesigns.com

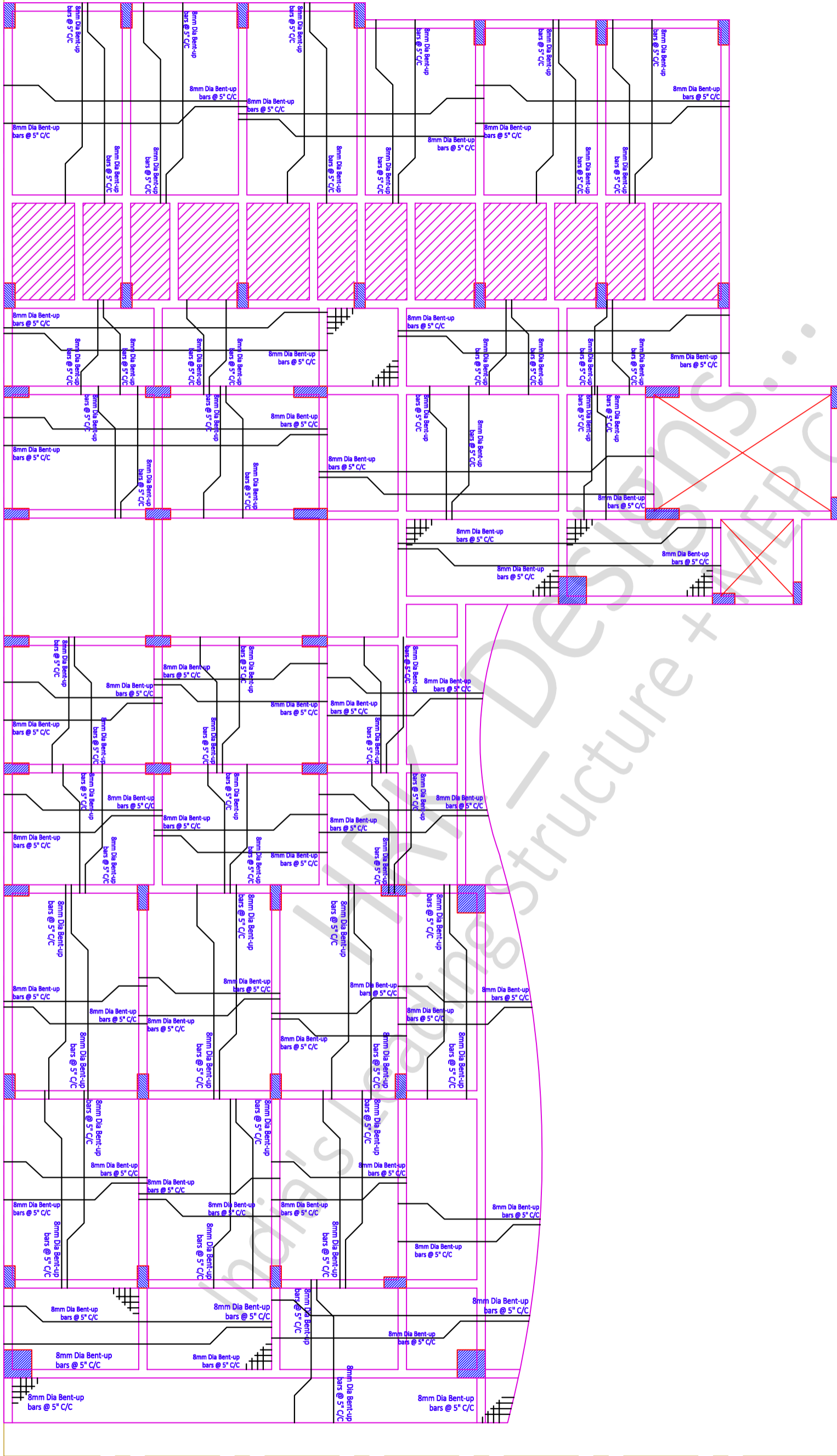
## S-24

## 3F Beam Plan & Details

Date - 18/03/2022  
 HRKD/STR/EP/13/09/24  
 Str Sign

PVH | AKA  
 Str Engg.

A3 PRINTS  
 HRKD/STR/GFC/13/09/24  
 STR - REV - 1  
 18/03/2022



# 3F = Third Floor

### SHEET TITLE

S - 1	3F Slab Plan
S - 2	3F Slab Plan & Layout
S - 3	3F Slab Plan & C/S Details
S - 4	

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 SOLUTIONS PVT. LTD.  
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 201301  
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 support@nakshewala.com

Half Basement + 5  
 Story building for  
**Mr. Riyaz Ji @**  
**Buldhana MH**

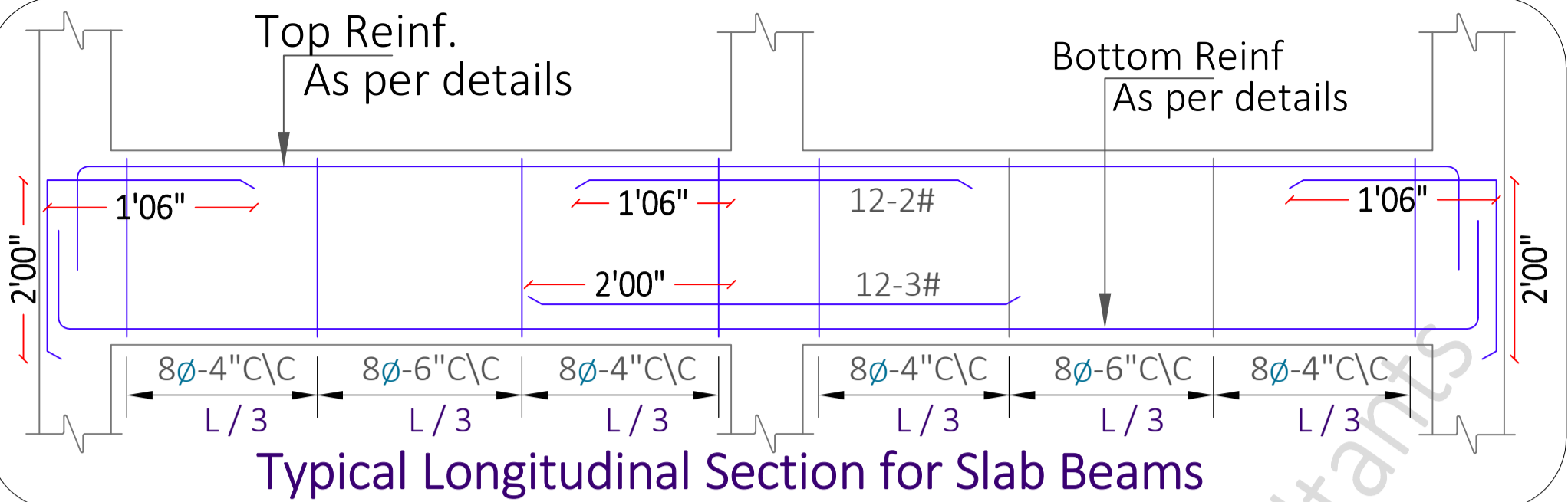
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 Road Vadodara - 391014  
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 techteam@hrkdsgns.com

### S-25

### 3F Slab Plan & Details

Date - 18/03/2022	PVH	AKA	A3 PRINTS
HRKD/STR/EP/13/09/24	Str Engg.		HRKD/STR/GFC/13/09/24
Str Sign			STR - REV - 1
Principal Engineer	AKA	Str Stamp	18/03/2022 ***NA***



Typical Longitudinal Section for Slab Beams

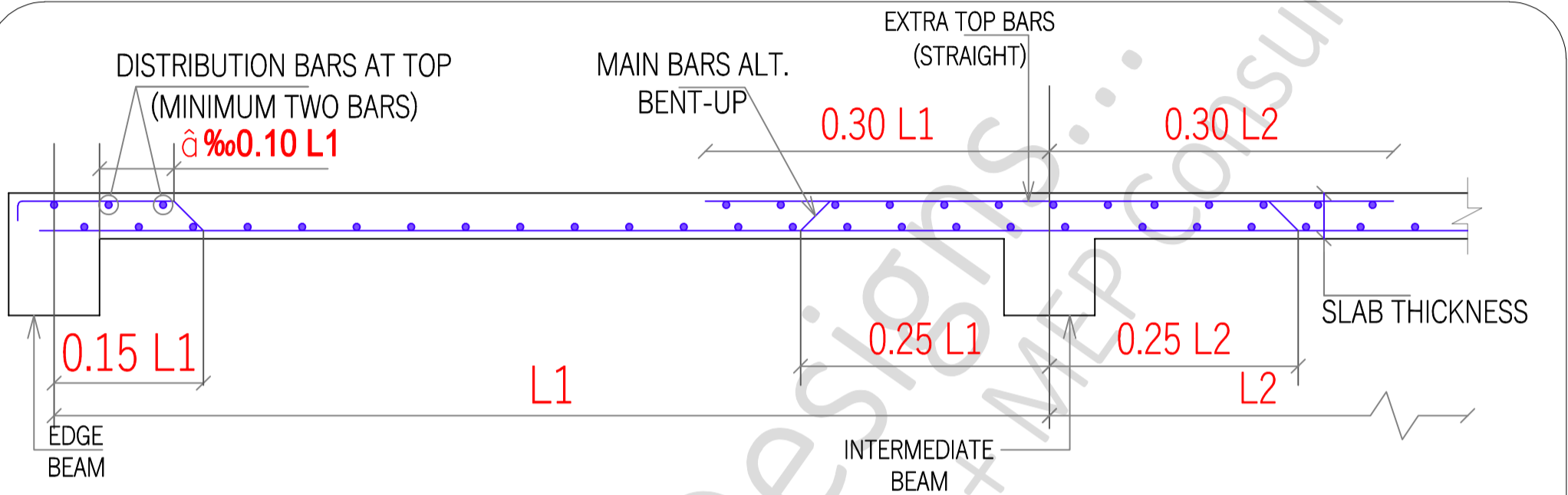


Figure - 4 Typical Slab Section for all the floors

B-1 1'x1'09"	B-2 1'x2'	B-3 9"x1'06"	B-4 9"x2'00"
B-1 1.35%	B-2 1.55%	B-3 1.36%	B-4 1.15%

Slab Thickness = 6"

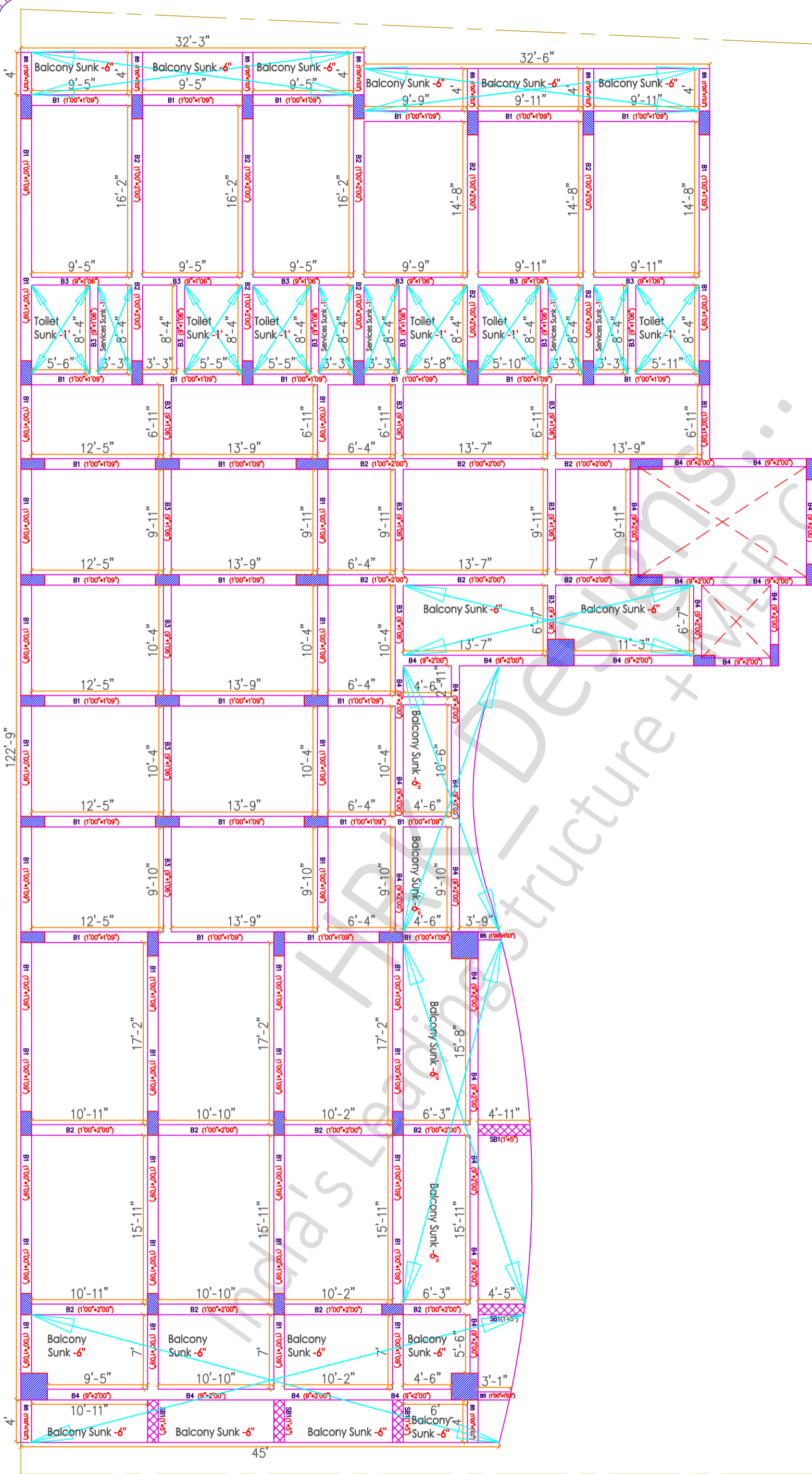
10∅ Bent-up bars @ 6" C/C

10∅ Straight bars @ 6" C/C

12∅ Extra bars @ 1' C/C (Junctions & Ends)

● LARGER DIA REINFORCEMENT BAR  
○ SMALLER DIA REINFORCEMENT BAR

<b>SHEET TITLE</b> S - 1 3F Beam C/S Details S - 2 3F Slab C/S Details S - 3 3F Beam Reinf^ C/S Details S - 4 3F Slab Reinf^ Details		<b>PROJECT BY:-</b> NAKSHEWALA.COM AL-AHAD SOLUTIONS PVT. LTD. C-37 2nd Floor SEC - 6, NOIDA, 201301 U.P INDIA +91 9312739997 support@nakshewala.com	Half Basement + 5 Story building for Mr. Riyaz Ji @ Buldhana MH	HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD Vasna Bayali Road TP2 Gotri Road Vadodara - 391014 www.hrkdsgns.com techteam@hrkdsgns.com Gandhidham   Vadodara   Delhi   Mumbai	<b>S-26 3F Beam &amp; Reinf^ Details</b> Date - 18/03/2022 HRKD/STR/EP/13/09/24 Str Sign AKA	PVH AKA Str Engg. Str Stamp AKA	<b>A3 PRINTS</b> HRKD/STR/GFC/13/09/24 STR - REV - 1 18/03/2022 ***NA***
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# 4F = Forth Floor

### SHEET TITLE

S - 1	4F Beam Plan
S - 2	4F Beam Plan & Layout
S - 3	4F Beam Plan & C/S Details
S - 4	

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 201301  
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 support@nakshewala.com

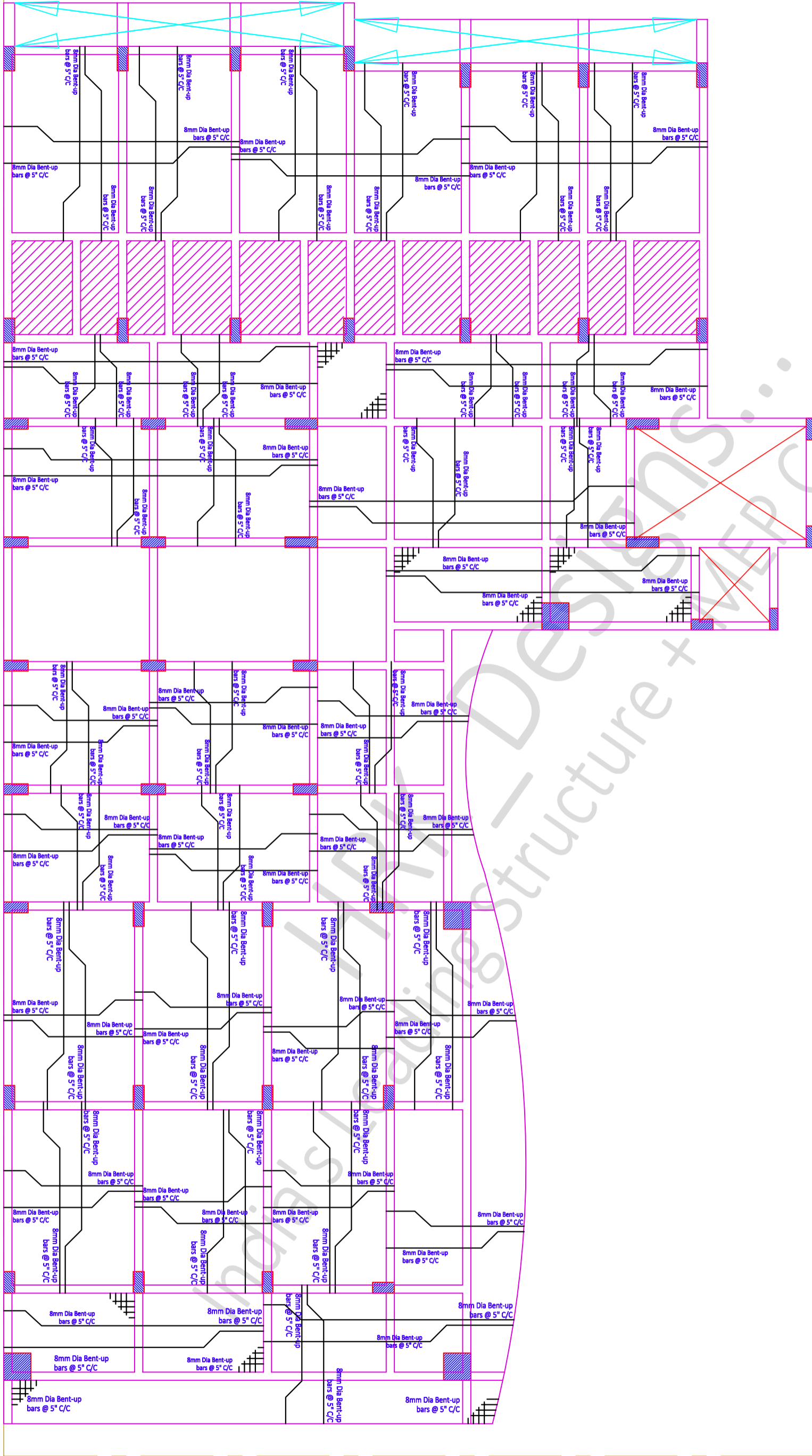
Half Basement + 5  
 Story building for  
**Mr. Riyaz Ji @**  
**Buldhana MH**

+91-9380 930 347

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 Vasna Bayali Road TP2 Gotri  
 Road Vadodara - 391014  
 www.hrkdesigns.com  
 techteam@hrkdesigns.com

### S-27 4F Beam Plan & Details

Date - 18/03/2022	PVH	AKA	A3 PRINTS
HRKD/STR/EP/13/09/24	Str Engg.		HRKD/STR/GFC/13/09/24
Str Sign			STR - REV - 1
Principal Engineer	AKA	Str Stamp	18/03/2022 ***NA***



# 4F = Forth Floor

### SHEET TITLE

S - 1	4F Slab Plan
S - 2	4F Slab Plan & Layout
S - 3	4F Slab Plan & C/S Details
S - 4	

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 NAKSHEWALA.COM AL-AHAD  
 SOLUTIONS PVT. LTD.  
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 201301  
 U.P INDIA +91 9312739997  
 support@nakshewala.com

Half Basement + 5  
 Story building for  
**Mr. Riyaz Ji @**  
**Buldhana MH**

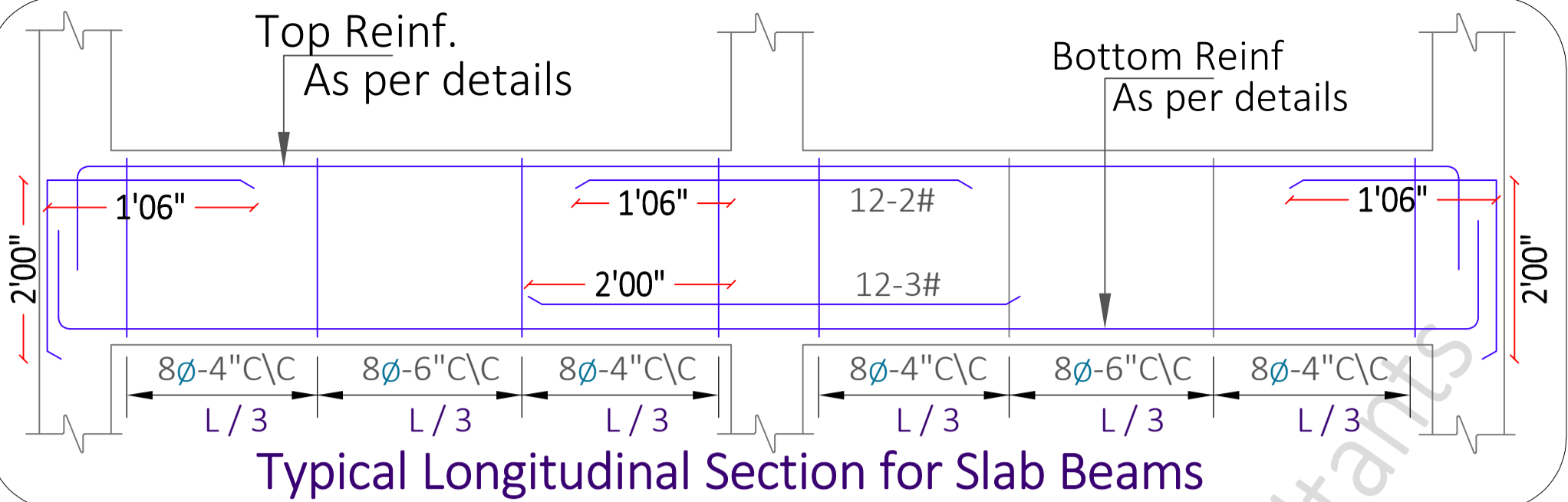
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 Road Vadodara - 391014  
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 techteam@hrkdsgns.com

### S-28

### 4F Slab Plan & Details

Date - 18/03/2022	PVH	AKA	A3 PRINTS
HRKD/STR/EP/13/09/24	Str Engg.		HRKD/STR/GFC/13/09/24
Str Sign			STR - REV - 1
Principal Engineer	AKA	Str Stamp	18/03/2022 ***NA***



Typical Longitudinal Section for Slab Beams

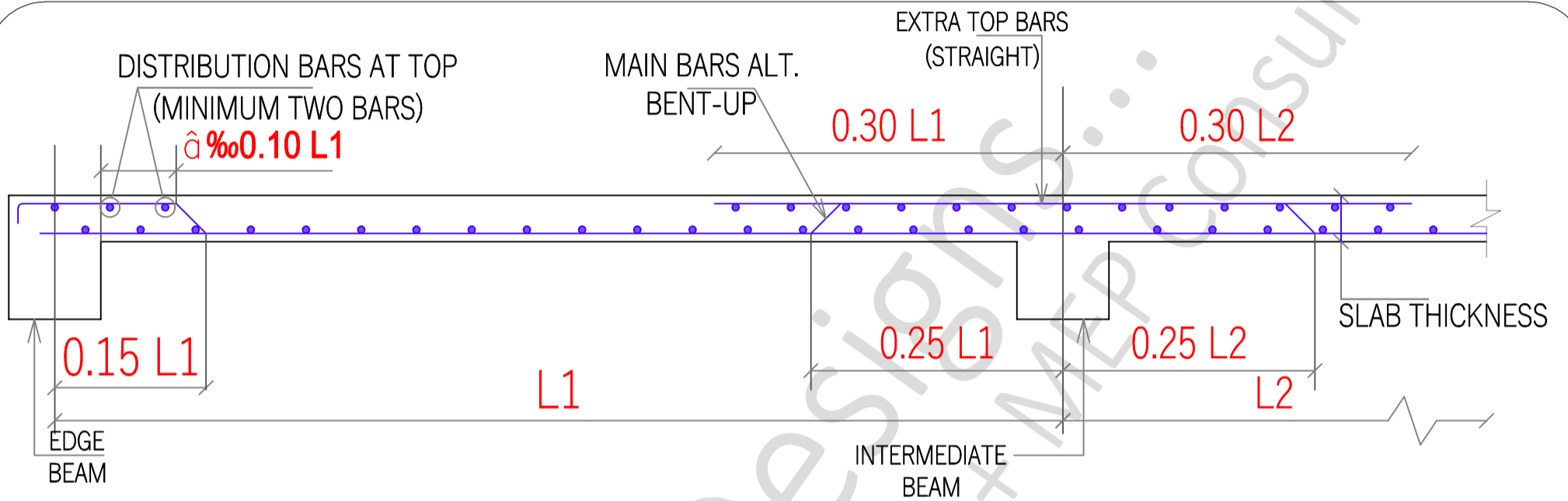


Figure - 4

Typical Slab Section for all the floors

B-1 1'x1'09"	B-2 1'x2'	B-3 9"x1'06"	B-4 9"x2'00"
B-1 1.35%	B-2 1.55%	B-3 1.36%	B-4 1.15%

Slab Thickness = 6"

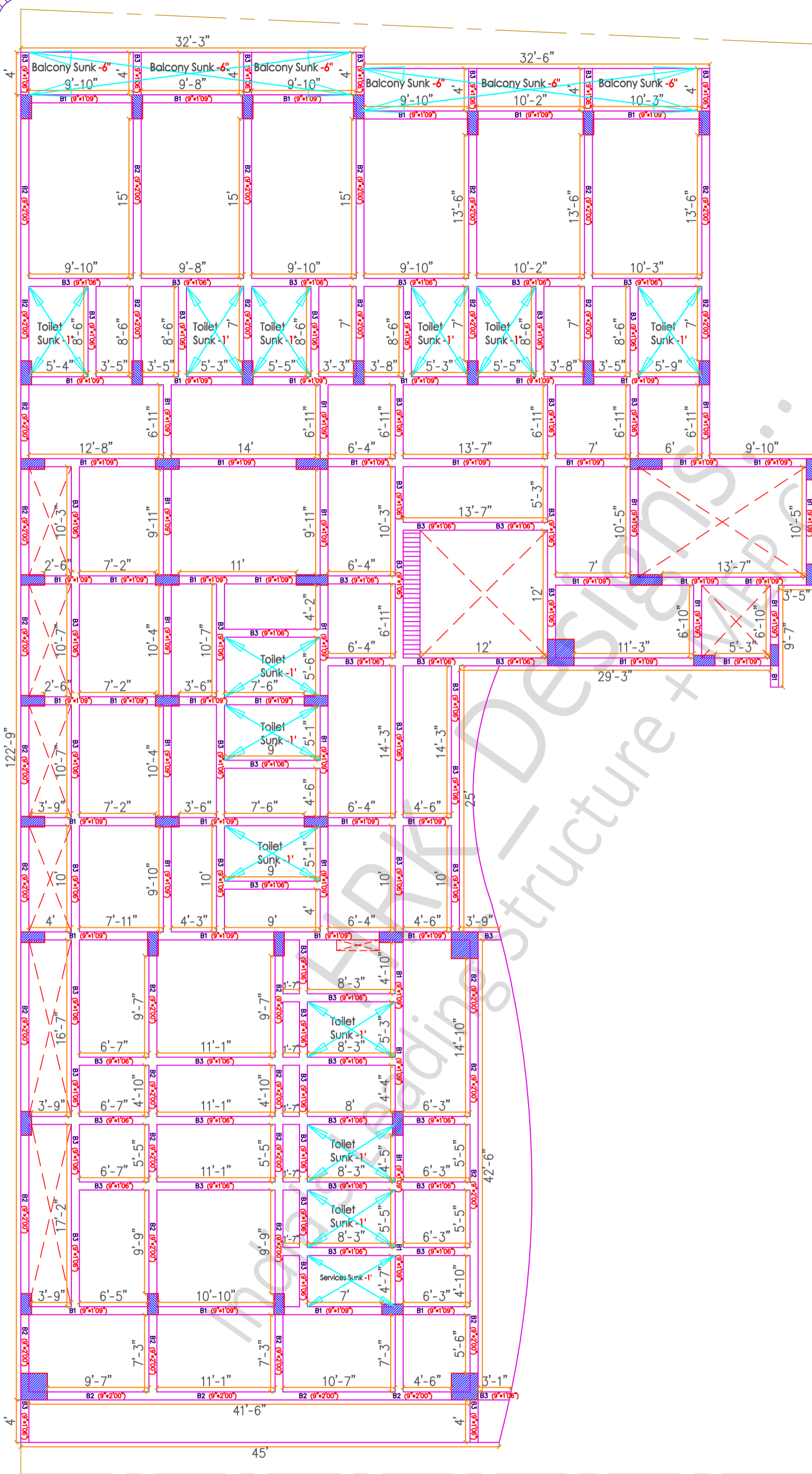
8Ø Bent-up bars @ 6" C/C

8Ø Straight bars @ 6" C/C

12Ø Extra bars @ 1' C/C (Junctions & Ends)

● LARGER DIA REINFORCEMENT BAR  
○ SMALLER DIA REINFORCEMENT BAR

<b>SHEET TITLE</b> S - 1 4F Beam C/S Details S - 2 4F Slab C/S Details S - 3 4F Beam Reinf^ C/S Details S - 4 4F Slab Reinf^ Details		PROJECT BY:- NAKSHEWALA.COM AL-AHAD SOLUTIONS PVT. LTD. C-37 2nd Floor SEC - 6, NOIDA, 201301 U.P INDIA +91 9312739997 support@nakshewala.com	Half Basement + 5 Story building for Mr. Riyaz Ji @ Buldhana MH	HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD Vasna Bayali Road TP2 Gotri Road Vadodara - 391014 +91-9380 930 347 www.hrkdesigns.com techteam@hrkdesigns.com Gandhidham   Vadodara   Delhi   Mumbai	<b>S-29 4F Beam &amp; Reinf^ Details</b> Date - 18/03/2022 HRKD/STR/EP/13/09/24 Str Sign AKA	PVH AKA Str Engg. Str Stamp	A3 PRINTS HRKD/STR/GFC/13/09/24 STR - REV - 1 18/03/2022 ***NA***
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# 5F = Fifth Floor

### SHEET TITLE

S - 1	5F Beam Plan
S - 2	5F Beam Plan & Layout
S - 3	5F Beam Plan & C/S Details
S - 4	

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 support@nakshewala.com

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 Story building for  
**Mr. Riyaz Ji @**  
**Buldhana MH**

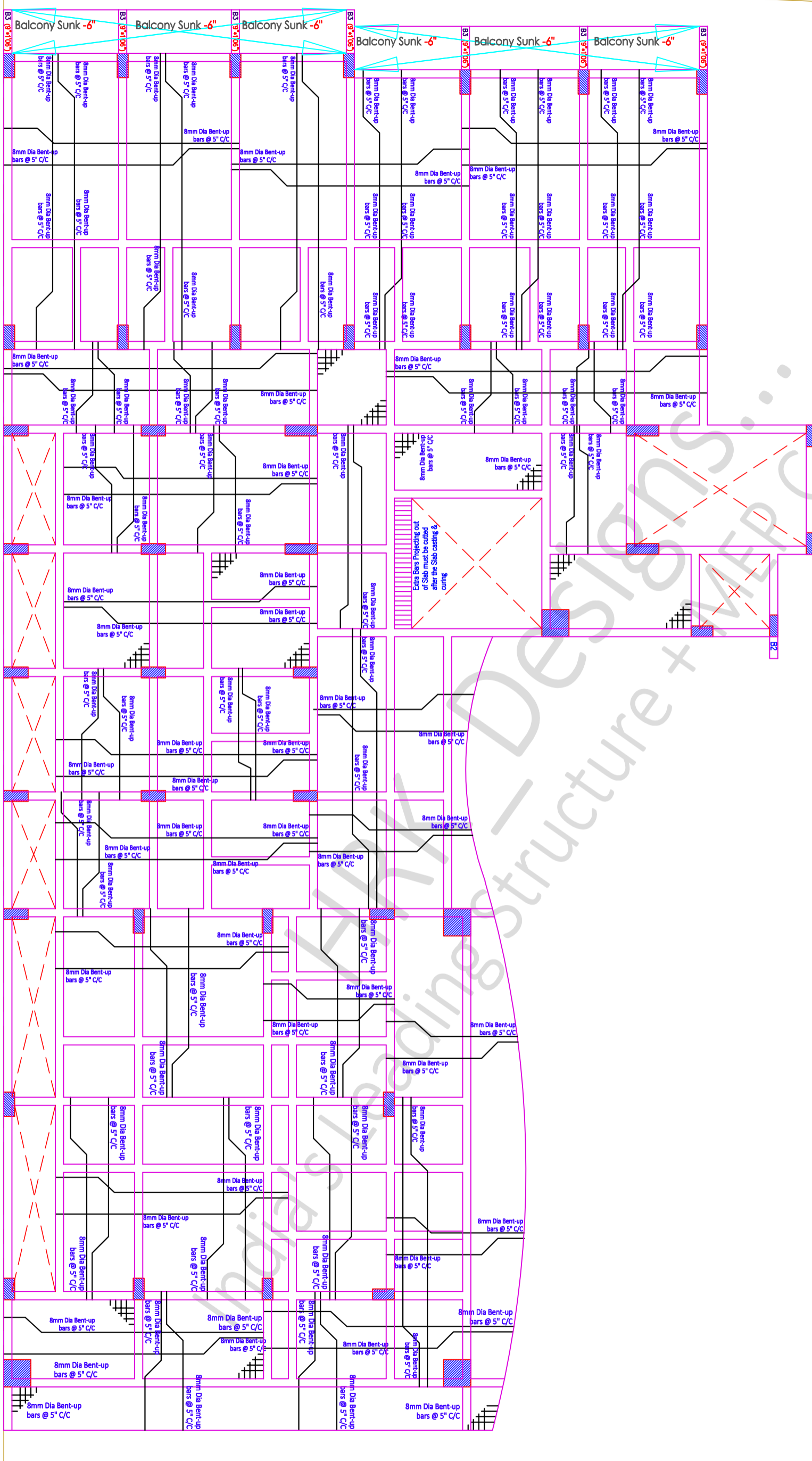
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 techteam@hrkdsgns.com

### S-30

### 5F Beam Plan & Details

Date - 18/03/2022	PVH	AKA	A3 PRINTS
HRKD/STR/EP/13/09/24	Str Engg.		HRKD/STR/GFC/13/09/24
Str Sign			STR - REV - 1
Principal Engineer	AKA	Str Stamp	18/03/2022 ***NA***



# 5F = Fifth Floor

### SHEET TITLE

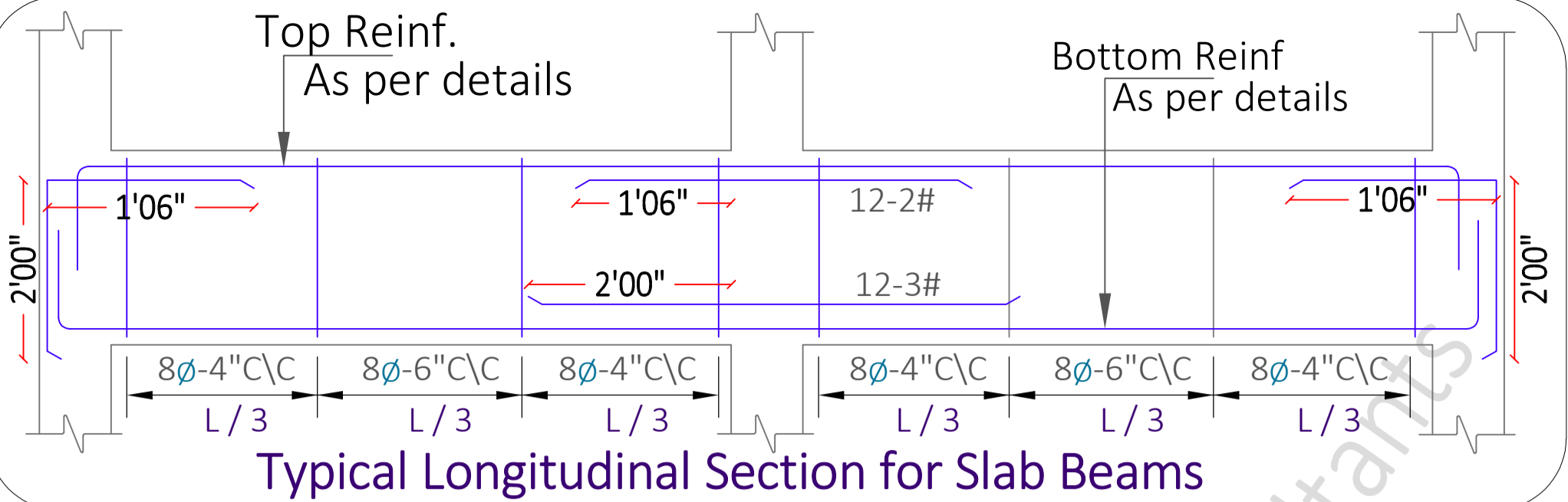
S - 1	5F Slab Plan
S - 2	5F Slab Plan & Layout
S - 3	5F Slab Plan & C/S Details
S - 4	

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Half Basement + 5  
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 techteam@hrkdesigns.com  
 HRK Designs  
 Gandhidham | Vadodara | Delhi | Mumbai

**S-31**    **5F Slab Plan & Details**  
 Date - 18/03/2022    PVH    AKA    A3 PRINTS  
 HRKD/STR/EP/13/09/24    Str Engg.    HRKD/STR/GFC/13/09/24  
 Str Sign    AKA    Str Stamp    STR - REV - 1  
 Principal Engineer    18/03/2022    \*\*\*NA\*\*\*



Typical Longitudinal Section for Slab Beams

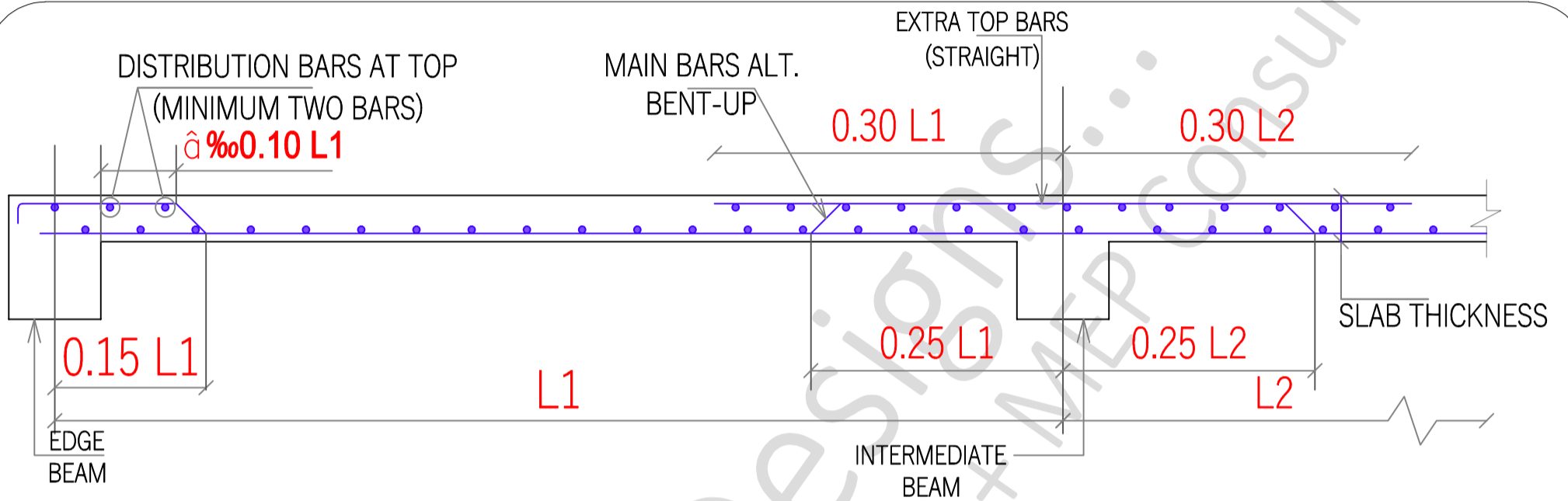


Figure - 4

Typical Slab Section for all the floors

B-1 1'x1'09"	B-2 1'x2'	B-3 9"x1'06"	B-4 9"x2'00"
B-1 1.35%	B-2 1.55%	B-3 1.36%	B-4 1.15%

Slab Thickness = 6"

8Ø Bent-up bars @ 6" C/C

8Ø Straight bars @ 6" C/C

12Ø Extra bars @ 1' C/C (Junctions & Ends)

● LARGER DIA REINFORCEMENT BAR  
○ SMALLER DIA REINFORCEMENT BAR

<b>SHEET TITLE</b> S - 1 5F Beam C/S Details S - 2 5F Slab C/S Details S - 3 5F Beam Reinf^ C/S Details S - 4 5F Slab Reinf^ Details		PROJECT BY:- NAKSHEWALA.COM AL-AHAD SOLUTIONS PVT. LTD. C-37 2nd Floor SEC - 6, NOIDA, 201301 U.P INDIA +91 9312739997 support@nakshewala.com	Half Basement + 5 Story building for Mr. Riyaz Ji @ Buldhana MH	HRK DESIGNS STRUCTURE CONSULTANTS INDIA PVT LTD Vasna Bayali Road TP2 Gotri Road Vadodara - 391014 +91-9380 930 347 www.hrkdesigns.com techteam@hrkdesigns.com	<b>S-32 5F Beam &amp; Reinf^ Details</b> Date - 18/03/2022 HRKD/STR/EP/13/09/24 Str Sign AKA	PVH AKA Str Engg. Str Stamp AKA	A3 PRINTS HRKD/STR/GFC/13/09/24 STR - REV - 1 18/03/2022 ***NA***
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