

STRUCTURAL DRAWING SHEET FOR
RESIDENTIAL APPARTMENT

KIP SOUMYA



STRUCTURAL DESIGN & DRAWING REPORT
REVISION-0

DOCUMENT NO:- FK/D/22/055

DATE:-07-05-2022

STRUCTURAL / ARCHITECTURAL CONSULTANT

FLOORKART.IN

A UNIT OF APS DESIGN INFRA PVT. LTD

(ARCHITECTS, DESIGNERS, ENGINEERS, SURVEYORS & CONSULTANTS)

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RESIDENTIAL APPARTMENT AT BHUBANESWAR

STRUCTURAL DRAWING SHEET

DEVELOPER:-



M/S KUSHMANDA INFRA PROJECTS

Address:- BHUBANESWAR





WISH MESSAGE FROM TEAM

FLOORKART.IN

When you take the time to express your heartfelt appreciation for something we have done, it boosts our spirit, passion, and purpose. It builds our self-confidence, self-esteem and our entire self-image. It gives us energy and motivation to work harder and do more.

We stand out by offering a holistic approach to the design of your project; ensuring your design aspirations are perfectly suited to your project environment.

Thank you for your support. We truly appreciate your business and look forward to serving you again.

With Regards
Team Floorkart.in

GENERAL

❖ Scope

The scope of this Report is to highlight the analysis and design philosophy, project details, scope of work, description of site, foundation parameters/geotechnical parameters, Loads and Load combination adopted for the design of building at, BBSR.

❖ Codes & Standards

All design work will be based on Indian Standards (IS) codes (latest revisions), with amendments, if any, as on date. The design is carried out in conformity with following IS code latest editions. IS: 456 -2000 – Code of practice for plain and reinforced concrete

IS: 3370 (Part-1)-2009 – Concrete Structures for Storage of Liquids –Code of Practice Part-1

General Requirements

IS: 3370 (Part-2)-2009 – Concrete Structures for Storage of Liquids –Code of Practice Part-2

Reinforced Concrete Structures

IS: 3370 (Part-4)-1967 – Concrete Structures for Storage of Liquids –Code of Practice Part-4 Design

Tables

IS: 875 -1987 - Code of practice for Design Loads for Building and Structures-(Part-1 to 5)

IS: 1893-2016 (part 1) - Criteria for Earthquake Resistant design of structures for General Provisions of buildings

IS: 1893-2014 (part 1) - Criteria for Earthquake Resistant design of structures of Liquid Retaining

Tanks

SP 16 – Design Aids for Reinforced Concrete.

SP: 34 - Handbook on Concrete Reinforcement and Detailing.

❖ **Units of measurements**

All units used in the analysis and designs are in SI system unless noted otherwise.

❖ **Book Referred**

- **Design Of Reinforced Concrete Structures By P Dayaratnam.**
- **Plain And Reinforced Concrete By Jai Krishana & Op Jain**
- **Design Of Reinforced Concrete Bc Punmia**

➤ **SITE CONDITIONS**

❖ **Design Ground Elevation**

Finished Ground level (FGL) is decided for various areas contour/spot levels for the respective areas.

❖ **Soil Data**

The safe bearing capacity and ground water table will be considered as per soil investigation report of respective plot/site.

➤ **MATERIALS**

❖ **Cement**

Ordinary Portland cement of 43 grade conforming to latest IS codes and minimum cement content for RCC M30 grade will be 320 kg/m³

❖ **Plain cement concrete**

The Plain cement concrete under all RCC foundation will be of grade M10 of 150 mm thick and 150 mm projection.

❖ **Reinforced Concrete**

Concrete Grade of M30 is considered for tank and M25 for all elements of the ESR.

❖ **Reinforcement bars**

Reinforcement bars will be High yield strength deformed bars Fe 500 TMT confirming to IS: 1786-2008.

➤ **STRUCTURAL ANALYSIS**

❖ **Basic Loads**

The structures are analyzed for the following loads

❖ **Dead load**

Dead load comprises of the self-weight of all the permanent structural components including walls, floors, columns, roofs, etc., as applicable to individual structures.

The dead load of water proofing and floor finish has been considered as part of dead load.

❖ **Imposed Load/Live load**

On Top Dome and Balcony	= 1.5 kN/m ²
On Bottom Balcony and Staircase	= 3.0 kN/m ²

❖ **Wind Load**

Various design parameters for calculation of wind loads on structures will be determined on the basis of IS: 875 2016 (Part III). The wind shall be assumed to blow in any direction and most unfavorable condition shall be considered. Following parameters shall be considered for the wind load calculation.

Basic wind speed	= 50 m/sec
Risk coefficient (k_1)	= 1
Terrain category for (k_2) factor	= Category- 2
Topography factor (k_3)	= 1.0
Importance factor for cyclonic region (k_4)	= 1

Seismic Load

All the structures will be designed for seismic forces using provisions of IS: 1893 (Part –I) – 2016 and IS: 1893 (Part-II) - 2014.

The design horizontal seismic coefficient A_h for the structure will be determine using the following expression

$$A_h = [(Z/2) (I/R) (S_a/g)]$$

Seismic zone	= III
Zone Factor (Z)	= 0.16
Response reduction factor R	= 2.5
Importance factor, I	=1.5
Damping	= 5%

Note:

DL:	Dead Load
LL:	Live Load
HYD-T:	Hydro-test Water Load
WOR:	Working Water Load
WDL:	Wind Load
SXF:	Seismic load when tank is Full
SXE:	Seismic load when tank is Empty

➤ **DESIGN METHODOLOGY**

❖ **Design Philosophy**

The structure is analyzed using manual calculation. Cylindrical Walls, Top dome, Conical Slab, Bottom dome and Ring beams are designed using Spread sheets as un-cracked sections as per IS: 3370 (Part

2). However, staging columns are designed by limit state method, Tie beams, plinth beams and foundation is designed using limit state method as per IS: 456-2000.

❖ **Foundation**

Foundation for all structures shall be decided based on loading arrangement, load intensity and soil strata. Design of foundation at various levels shall be dependent upon the safe bearing capacity at that level and on the basis of recommendation furnished in the Geotechnical Investigation report.

Design forces are obtained from manual analysis and checked for bearing capacity, overturning and sliding. 25% increase in Allowable Base pressure is considered for wind/seismic load combinations. The foundation are designed as per limit state method as per IS: 456:2000

5.3 Stability

Structures will also be checked for any combination of full & empty compartments, with appropriate ground / uplift pressure (if any). Refer design calculation.

Factor of safety

Against Sliding

Against overturning

Restoring moment

➤ **Minimum cover to reinforcement**

Minimum clear cover to main reinforcement is as follows

Sl.no.	Member	Details	Cover(mm)
1	Slab(Roof & Floor, Staircase) etc.	Water face	45
		Free face	30
2	Beam	Water face	45
		Free face	30
3	Column and pedestal	All faces	40
4	Wall	Free face	30
		Water face	45
5	Footings, rafts	Top & Bottom	50

Building Construction Process Two Main Parts Divided as Below.

- **Sub Building Construction Steps with Main Building Construction**

1. Pre-construction Steps

In this building construction process first step. This per construction possesses some points like plot hiring, planting, budget, consult hiring, contractor, Design process, etc.

a. Acquire Land



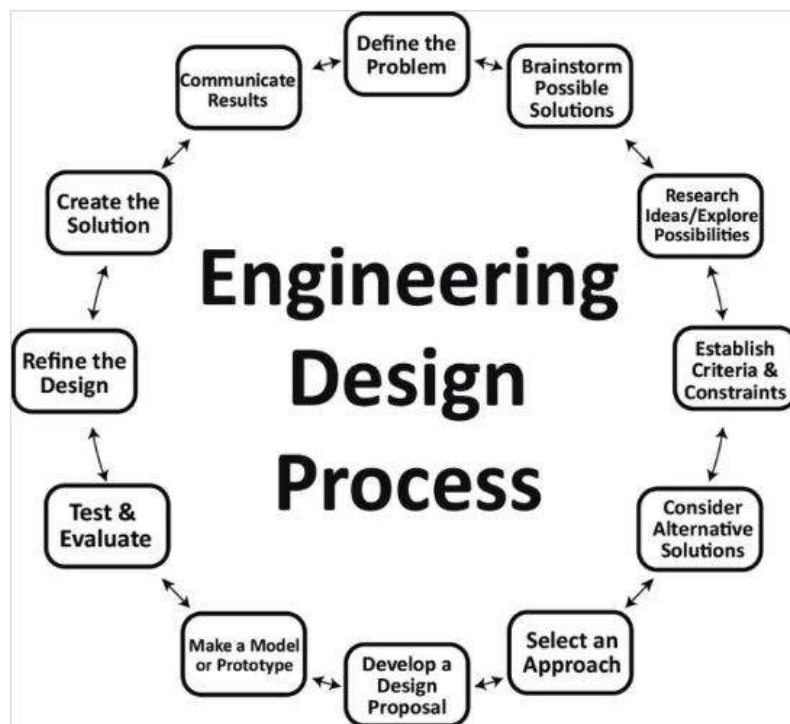
It is the main step in building construction. Search for the location for the building, which is most appropriate for building construction purposes. Be careful while selecting land that has all the desired facilities available nearby and should be free from all land-related issues.

b. Seek Technical/Consultant



- After selecting proper land for building, seek the help / constantan of a professional architect to create building designs, and take advice.
- An architect prepare plan according to building requirement, a number of flats, shops based on your requirements also budget.
- Then after architect consult with a structural engineer and MEP engineer for details of the reinforcements and other detail for use, how deep your foundation will be, the size of gravel to be used, column width, electrical, plumbing, etc.

c. Design Process

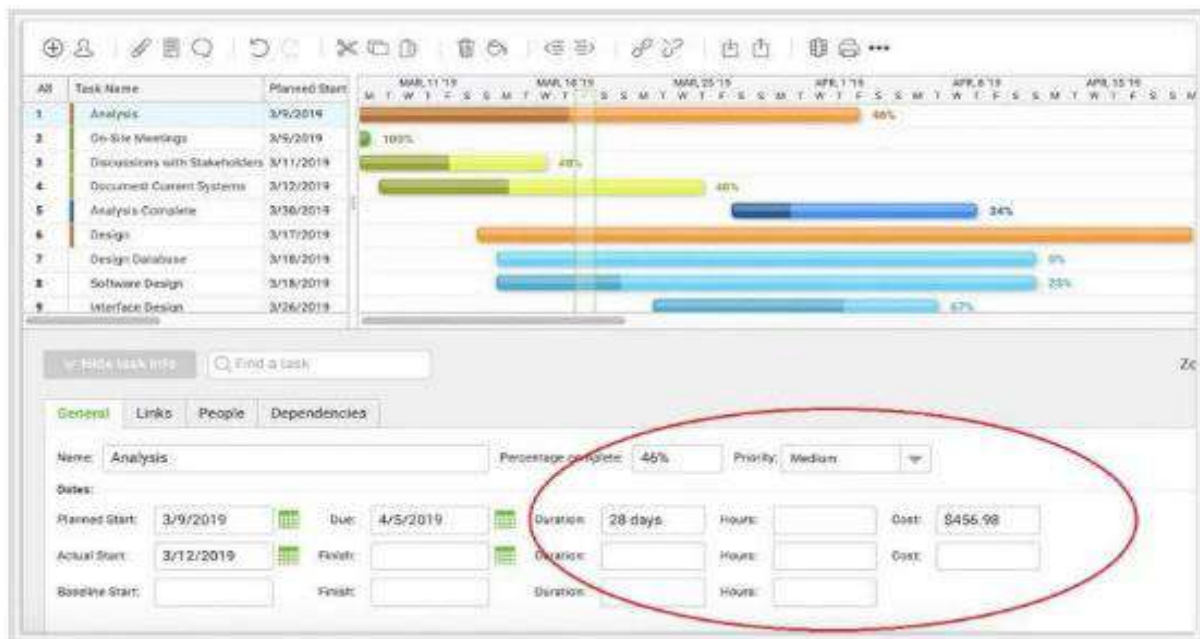


- Before finding/meeting up with an architect, make a rough requirement list for your home. This process must cover the basic concepts of your

home, like living space, no: of bedrooms you would like, Guest bedrooms, hall, kitchen, Baths, where you want the stairs, car porch, Garden/landscaping/Pond, etc.

- You should involve your family also, ask their likes and suggestions. Visit your friends, talk to neighbours about the pros and cons of their property, and what they would like to improve. Stages of work in a glance.

d. Prepare Estimation and Budgets



- Building construction involves a huge quantity of material and budget. After planning and structural detailing finished, these details are transferred into the building estimator.
- The building estimation will estimate the material quantity, quantity of different items of works, and prepare an abstract sheet that shows the cost of building construction.
- If financial resources are limited, we will need to seek pre-approval for loans in advance, or else you might end up in a cash crunch situation.

e. Building Permits



- This is important work to do after the project is ready to be executed. For that, we must take permission from different boards before you can go for the construction, like this municipal, airport authority, pollution control, etc.
- Following are the list of document project required before applying for permission. This document may differ from state to state, but a few are essential for every building construction work.
 1. Land Survey
 2. Soil test report (SBC report)
 3. All drawing like Plan, Elevation, Section
 4. Structural Certificate
 5. Architect Certificate

f. Approach a Contractor



- A contractor for construction needs to be chosen carefully because it's a major factor for securing building construction quality and timely construction of work.
- Pre investigation has to be done about the builder before handing work. From the contract document, all of the work-related details must be clearly stated.
- The contract document must cover layout and work details along with the cost payment methods and time scales. The condition of the contract ought to be thoroughly checked before signing a final deal.

g. Building Warranty Period

- Once the project is complete and handover into the owner, the contractor specifies a warranty period.
- In this period, any defects found in the building constructed have to be fixed and replaced with the contractor in charge.
- The warranty for appliances and materials are obtained from manufacturers and supplier.

Note

Construction Process

The '**construction process**' (sometimes called the '**construction stage**') is the physical **processes** of building, landscaping or refurbishing plus all the associated activities, such as demolition, site clearance, administration and so on. The following **processes** can form part of the **construction process**.

Pre-construction Steps

1. Testing quality of building materials
2. Site verification with reference to drawings
3. Sources of water and location of storage tank
4. Soil classification from trial pit
5. Mark the layout of main building
6. Material stacking plan
7. Verification of all the drawings and designs
8. Anti-termite treatment

During Building Construction Steps

Site Clearance, Excavation, Foundation, Plinth Beam or Slab, Superstructure Column and Beam, Brick Masonry Work, Lintel Over Door Window, Floor Slab or Roof Structure, Plastering, Door and Window Framing and Fixations, Painting, Electrical and Plumbing, Exterior Finishing, Internal Finishes, Woodwork and Fixture Fittings, Boundary Wall and Gates, Hardscaping and Landscaping, Punch List, Warranty Period

Process of Building Construction

- Prepare Construction Site and Pour Foundation.
- Complete Rough **Framing**.
- Complete Rough Plumbing, Electrical HVAC.
- Install Insulation.
- Complete Drywall and Interior Fixtures, Start Exterior Finishes.
- Finish Interior Trim, Install Exterior Walkways and Driveway.

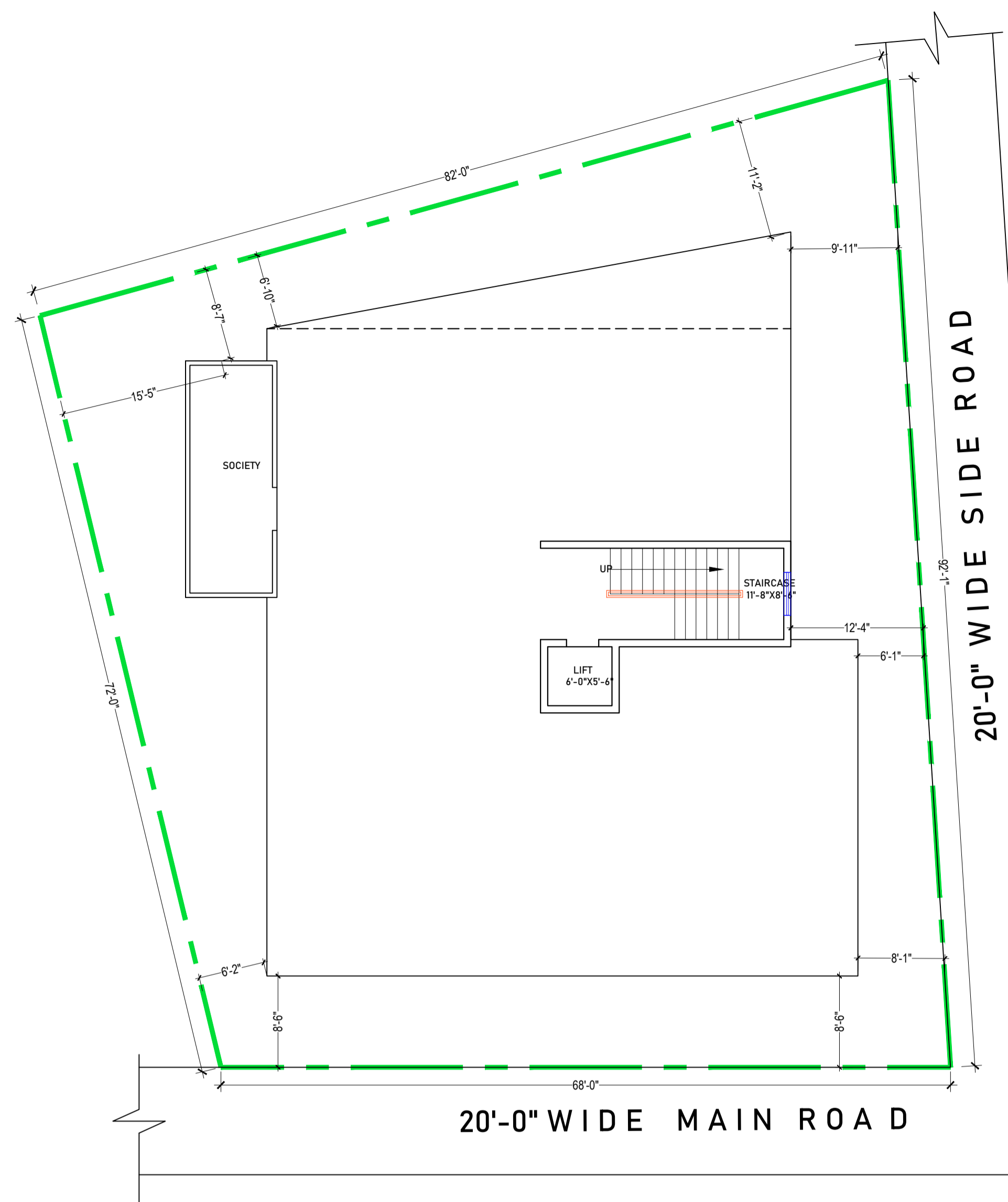
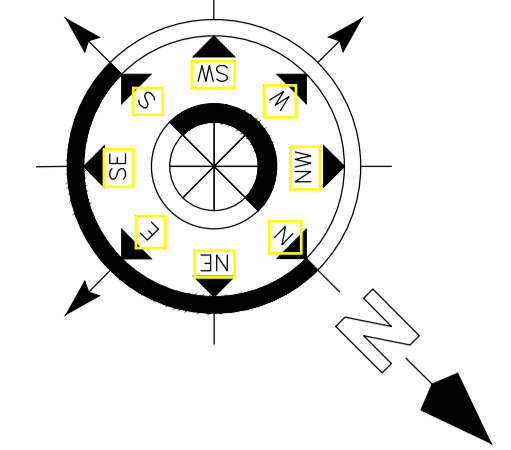
Building Construction Process from Start to Finish

1. Pre-construction Steps

- Acquire Land
- Seek Technical/Consultant
- Design Process
- Prepare Estimation and Budgets
- Building Permits
- Approach a Contractor
- Building Warranty Period

2. During Building Construction Steps

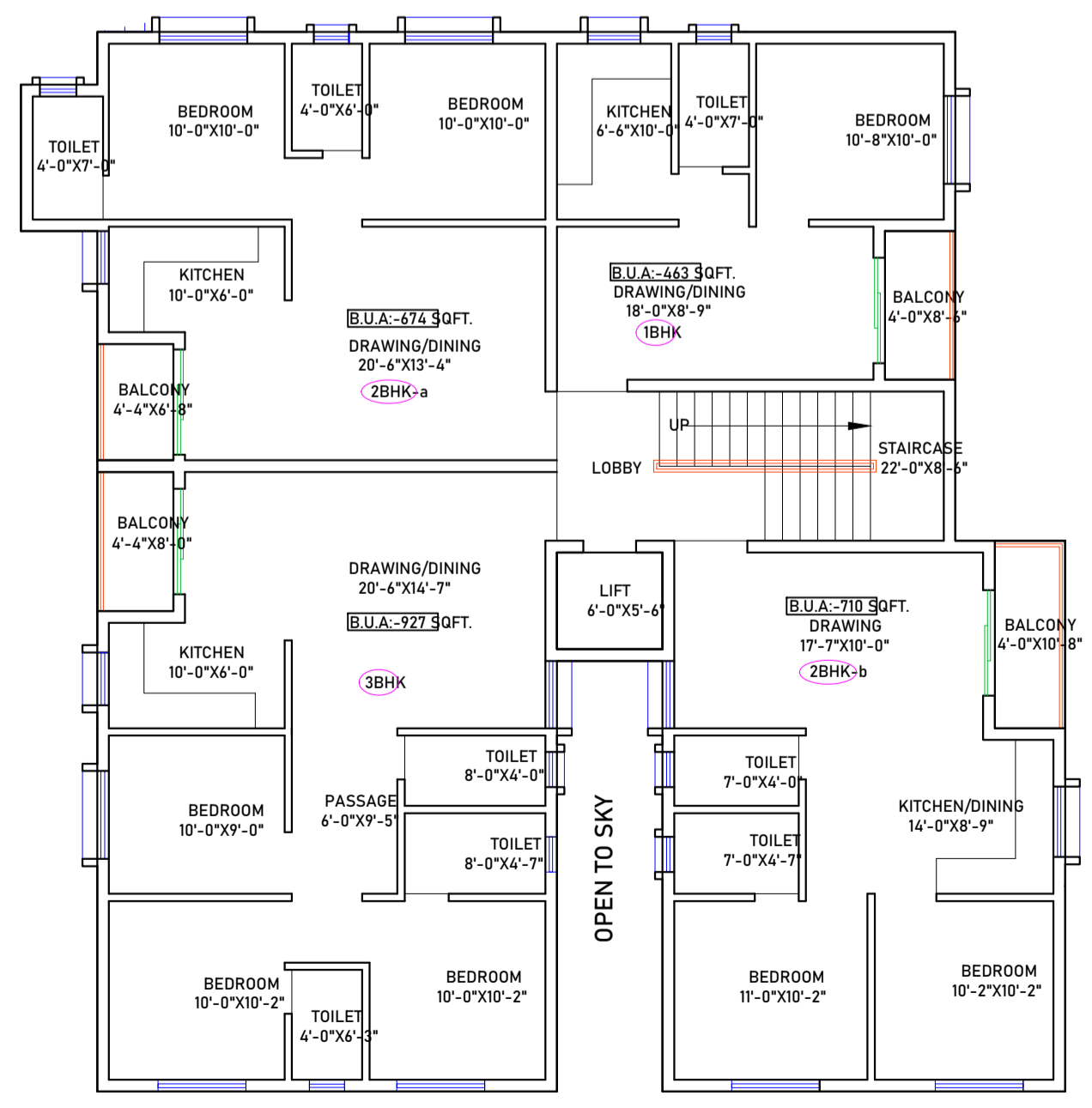
- Site Clearance
- Excavation
- Foundation
- Plinth Beam or Slab
- Superstructure Column and Beam
- Brick Masonry Work.
- Lintel Over Door Window.
- Floor Slab or Roof Structure
- Plastering
- Door and Window Framing and Fixations.
- Painting
- Electrical and Plumbing
- Exterior Finishing
- Internal Finishes
- Woodwork and Fixture Fittings
- Boundary Wall and Gates
- Hardscaping and Landscaping
- Punch List
- Warranty Period



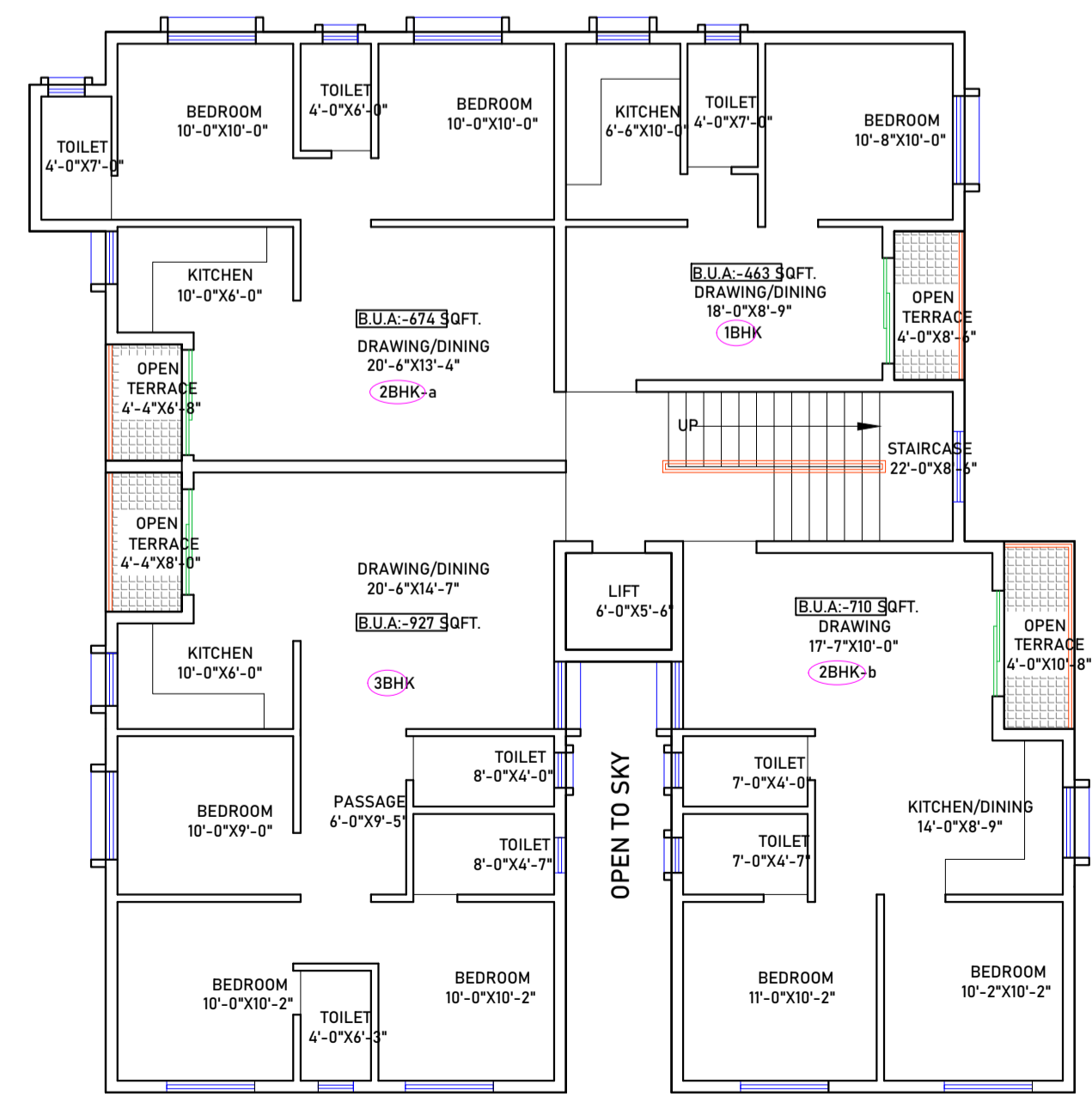
STILT FLOOR PLAN
STILT ROOF AREA - 3527 SFT



FIRST FLOOR PLAN
STILT ROOF AREA - 3527 SFT
B.U.A. - 3029SFT



2ND & 3RD FLOOR PLAN
B.U.A. - 3029SFT



4TH FLOOR PLAN
AREA - 2887SFT

FLOOR PLAN

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DESIGN:- ER. PABITRA

PROJECT TITLE:-

K.I.P SOUMYA

STATUS:

ISSUED FOR CONSTRUCTION

DATE: 03-05-2022

SCALE NTS

DWG NO: 01

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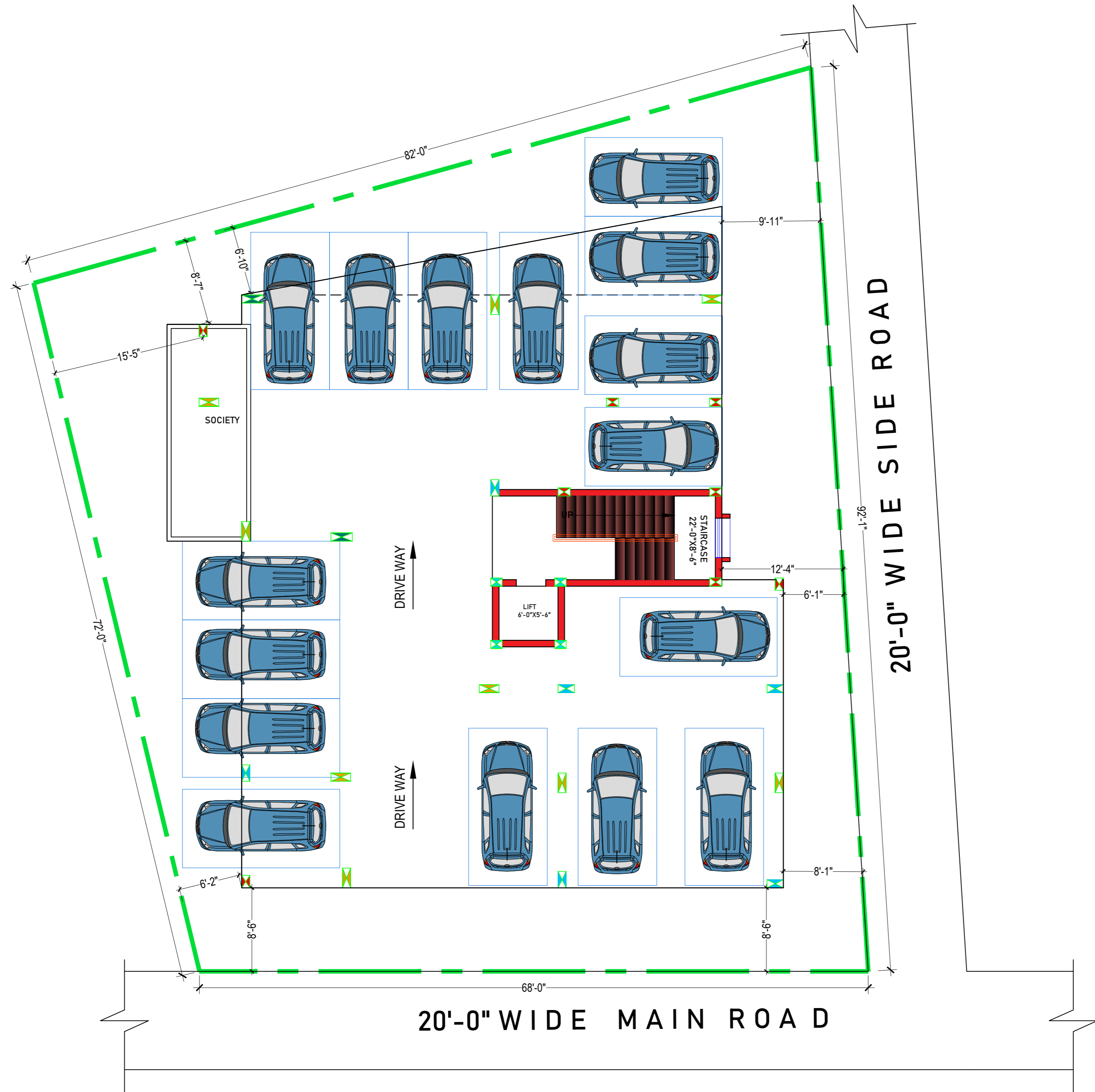
FLOOR PLAN



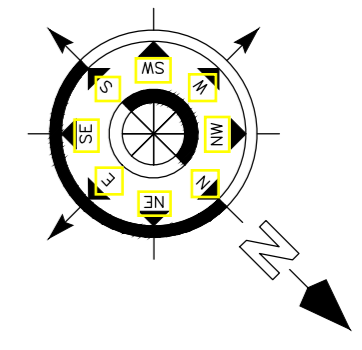
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STILT FLOOR PLAN
FURNITURE LAY OUT PLAN



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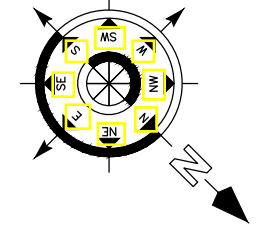
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FIRST FLOOR PLAN
FURNITURE LAY OUT PLAN



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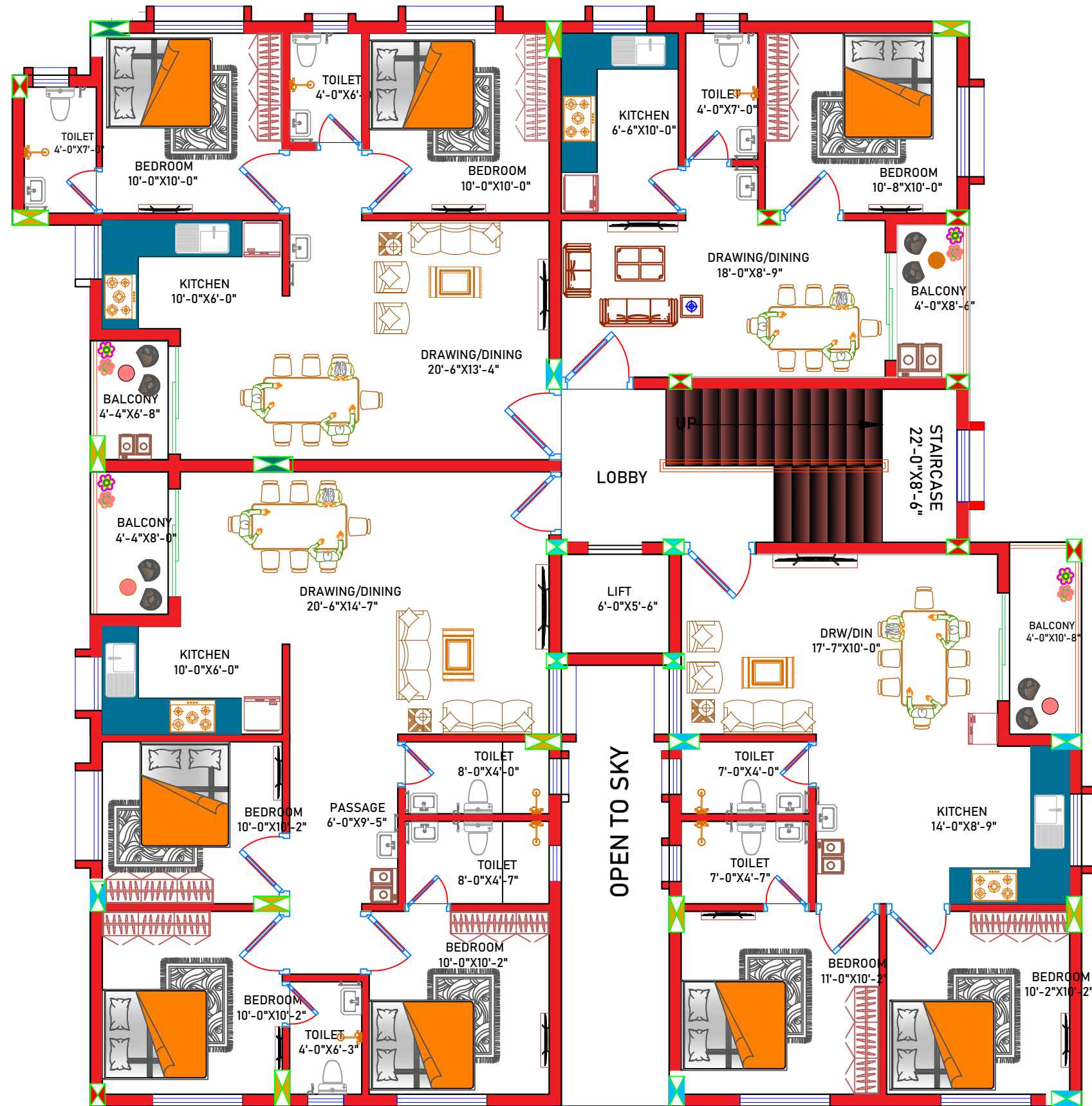
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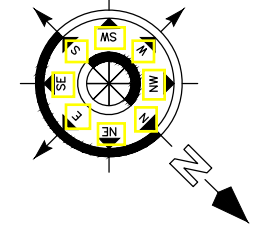
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2ND & 3RD FLOOR PLAN

FURNITURE LAY OUT PLAN



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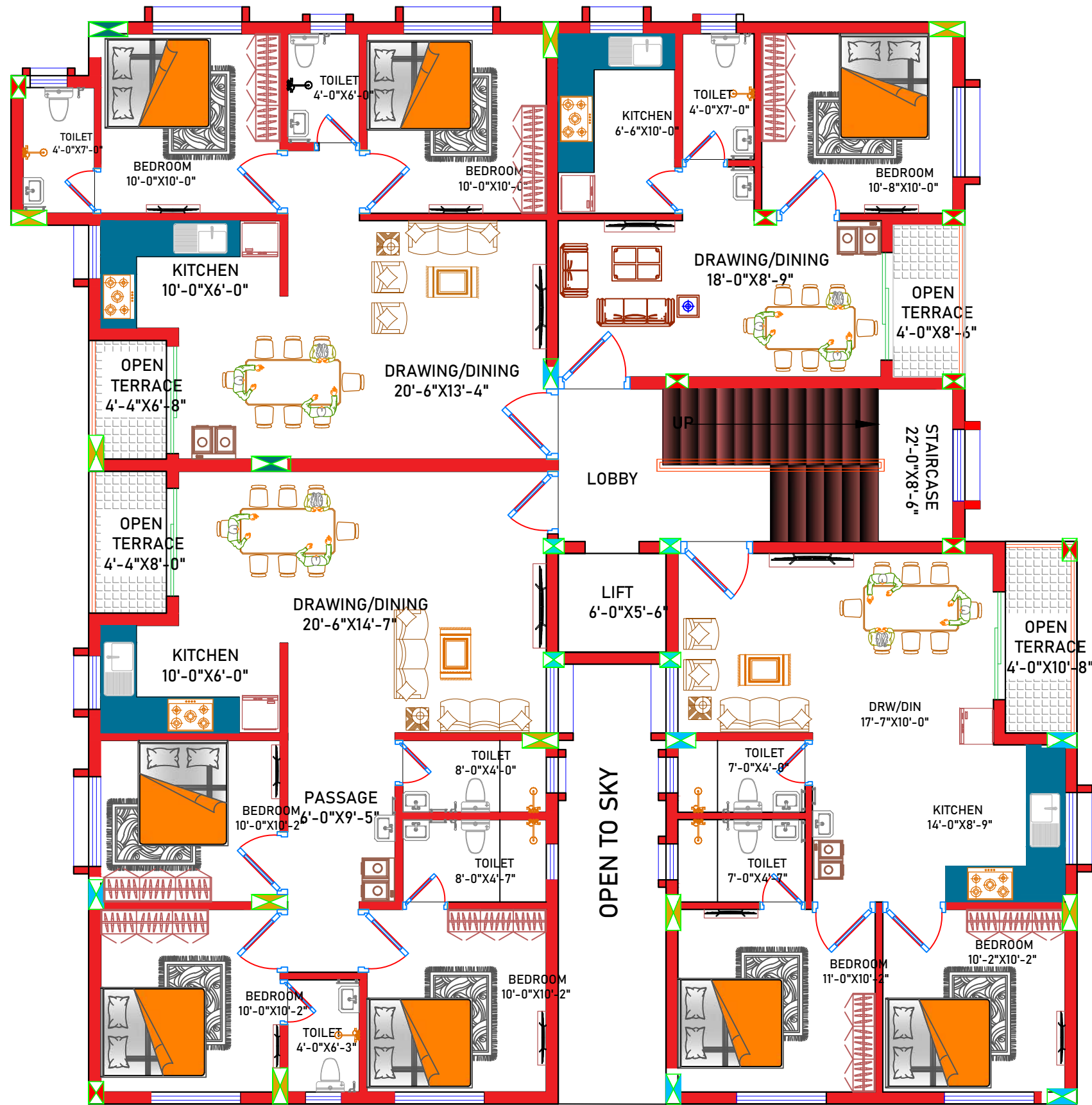
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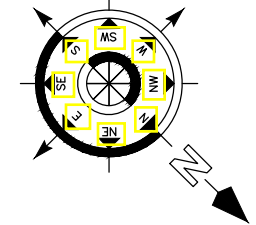
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4TH FLOOR PLAN

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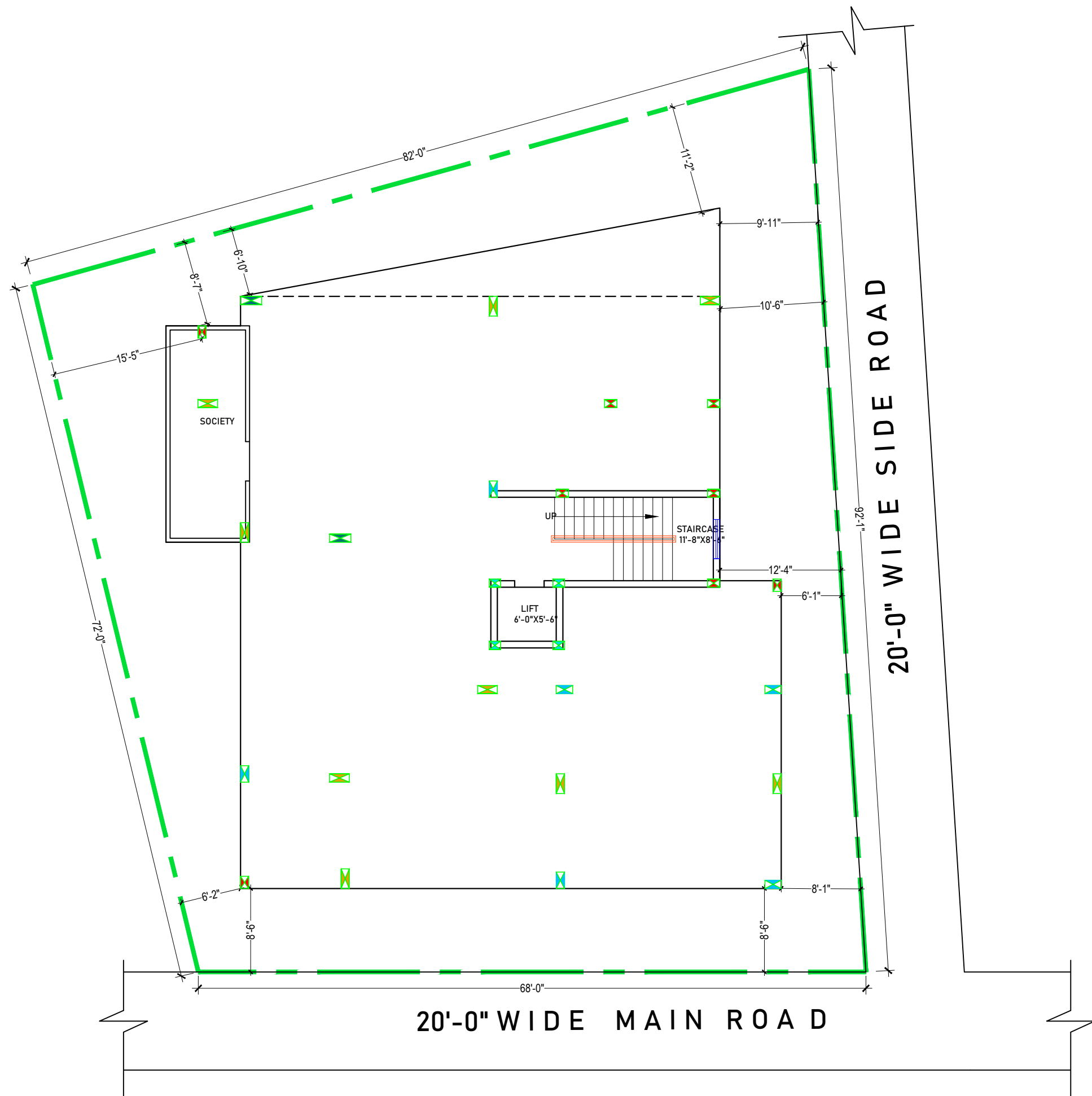
4TH FLOOR
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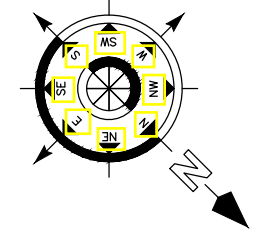
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STILT FLOOR PLAN
STILT ROOF AREA - 3527 SFT

COLUMN PLAN



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SCALE: NTS

DWG NO: 06

DRAWING TITLE:-

COLUMN PLAN



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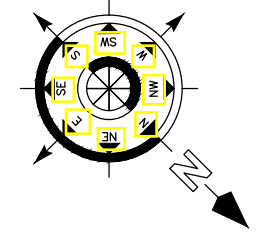
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FIRST FLOOR PLAN
STILT ROOF AREA - 3527 SFT
B.U.A. - 3029SFT

COLUMN PLAN



Note:

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- ALL DIMENSION & LEVEL ARE IN FEET-INCH.

SIGNATURE :-

DRAWN:- AR. DHANESHWARI

DESIGN:- ER. PABITRA

PROJECT TITLE:-

K.I.P SOUMYA

STATUS:

ISSUED FOR CONSTRUCTION

DATE: 04-05-2022

SCALE: NTS

DWG NO: 07

DRAWING TITLE:-

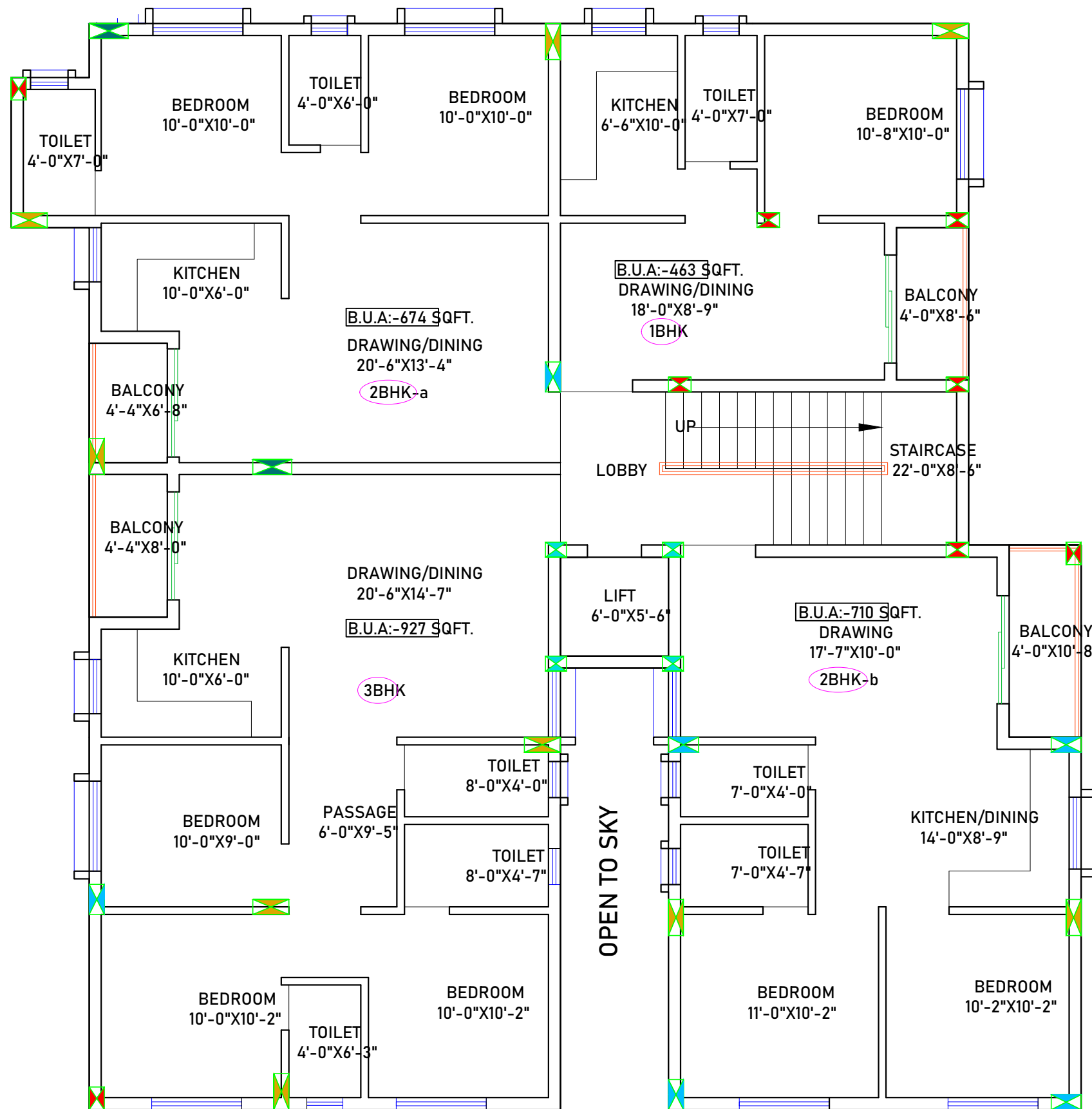
COLUMN PLAN



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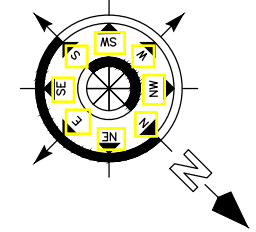
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2ND & 3RD FLOOR PLAN

B.U.A. - 3029SFT

COLUMN PLAN



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DESIGN:- ER. PABITRA

PROJECT TITLE:-

K.I.P SOUMYA

STATUS:

ISSUED FOR CONSTRUCTION

DATE: 04-05-2022

SCALE: NTS

DWG NO: 08

DRAWING TITLE:-

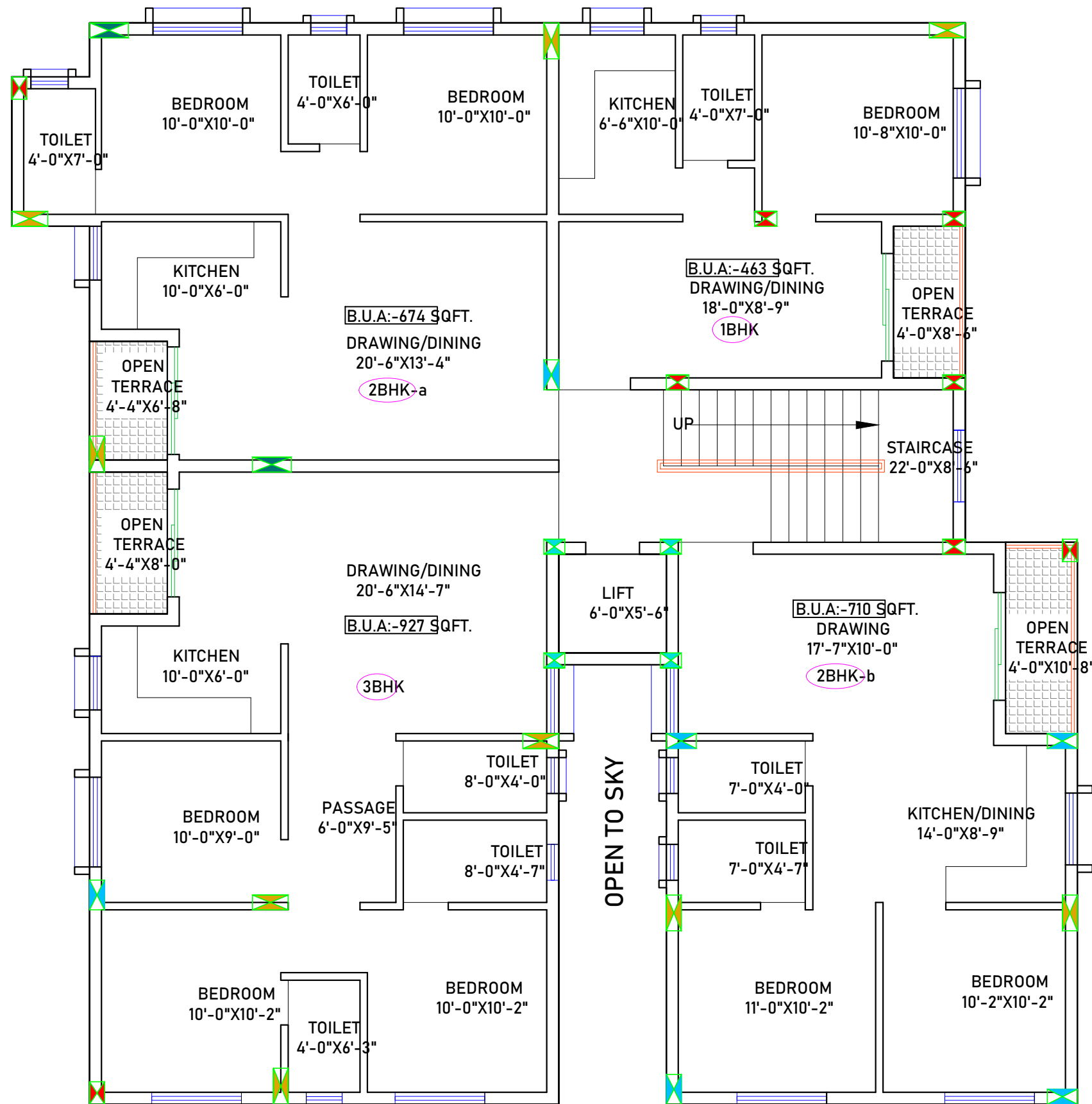
COLUMN PLAN



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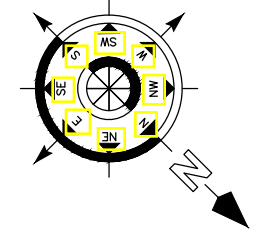
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4TH FLOOR PLAN

AREA - 2887SFT

COLUMN PLAN



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DESIGN:- ER. PABITRA

PROJECT TITLE:-

K.I.P SOUMYA

STATUS:

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DATE: 04-05-2022

SCALE: NTS

DWG NO: 09

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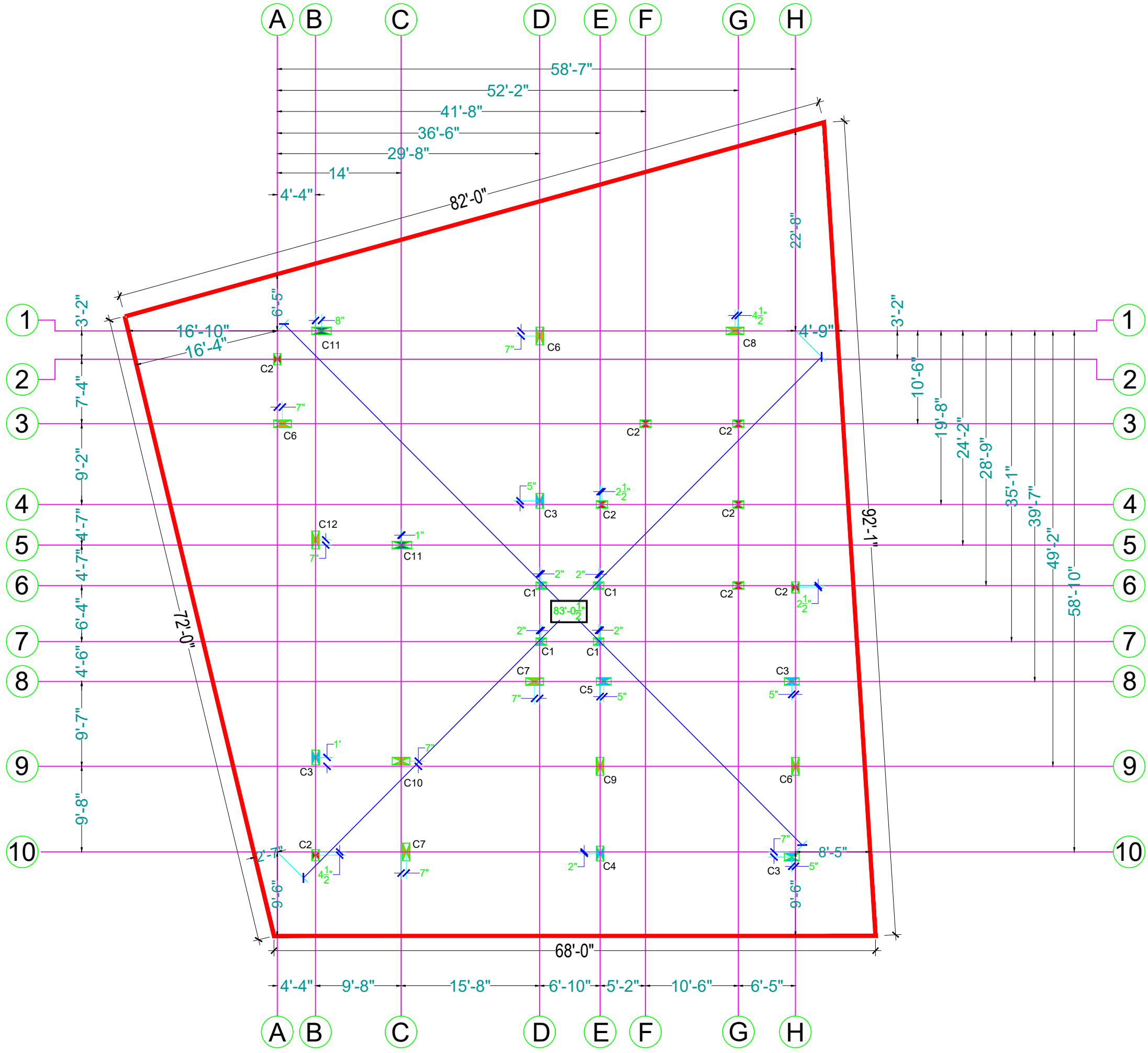
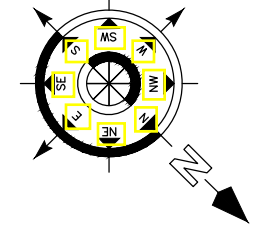
COLUMN PLAN



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LAYOUT PLAN OF COLUMN CENTERLINE

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SIGNATURE :-

DRAWN:-	AR. DHANESHWARI
DESIGN:-	ER. PABITRA

PROJECT TITLE:-
K.I.P SOUMYA

STATUS:
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DATE:	04-05-2022
SCALE	NTS
DWG NO:	10

DRAWING TITLE:-
LAYOUT PLAN OF COLUMN CENTERLINE

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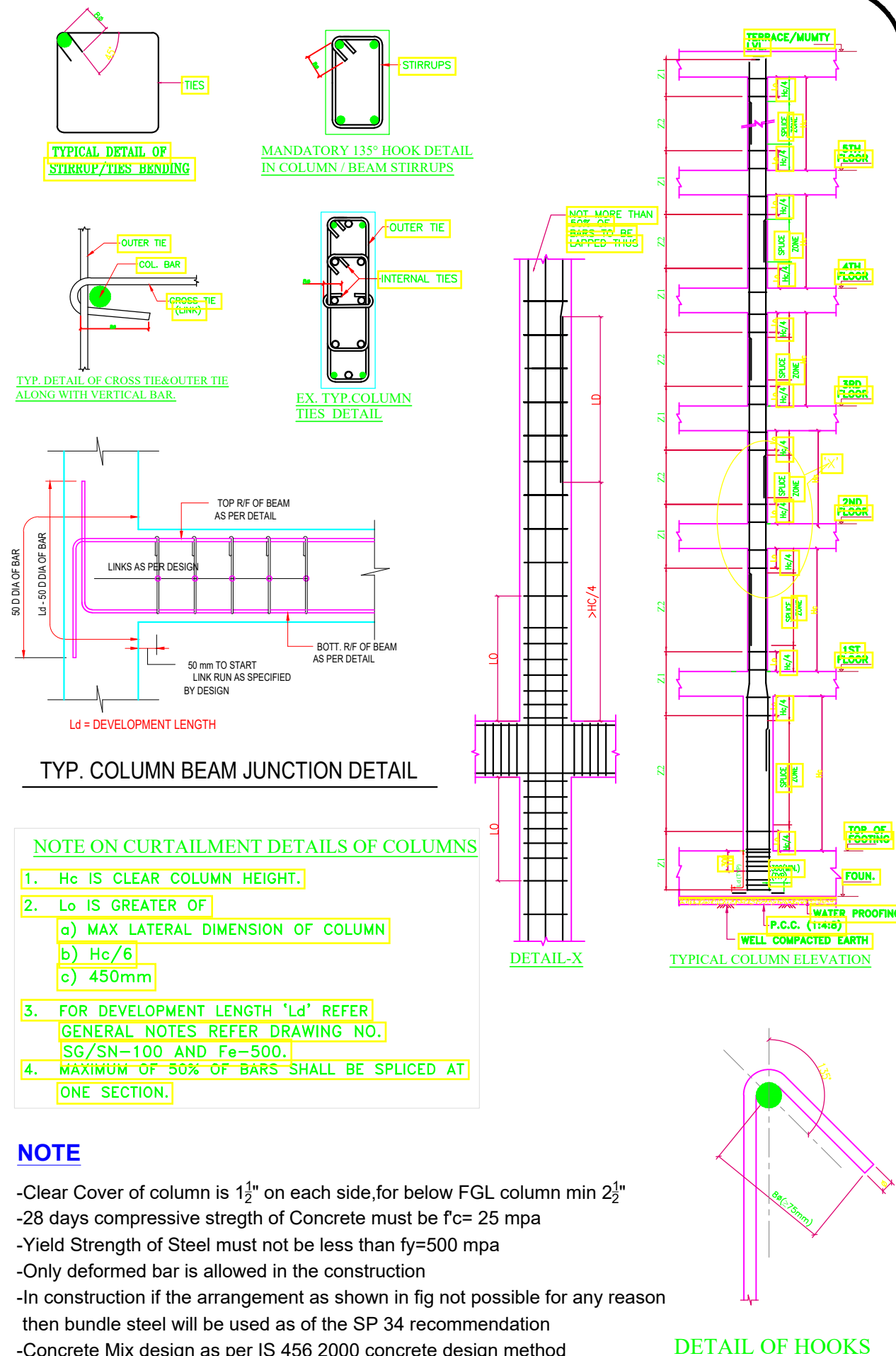
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DETAILS OF COLUMN REINFORCEMENT					
COAL. NO AS MKD.	COLUMN SIZE	DETAILS OF COLUMN UP TO TOP			
		REINF.	STIRRUPS	COLUMN SECTION	SHAPE OF LAT. TIES
C1	10"X14"	4#16 4#12	AS PER DRAWING		
C2	10"X15"	4#16 4#12	AS PER DRAWING		
C3	10"X20"	8#16	AS PER DRAWING		
C4	10"X20"	10#16	AS PER DRAWING		
C5	10"X20"	4#16 4#12	AS PER DRAWING		
C6	10"X24"	10#20	AS PER DRAWING		
C7	10"X24"	10#16	AS PER DRAWING		
C8	10"X24"	8#16	AS PER DRAWING		
C9	10"X24"	8#20	AS PER DRAWING		
C10	10"X24"	6#25 6#16	AS PER DRAWING		
C11	10"X26"	8#25 4#20	AS PER DRAWING		
C12	10"X24"	6#20 6#16	AS PER DRAWING		

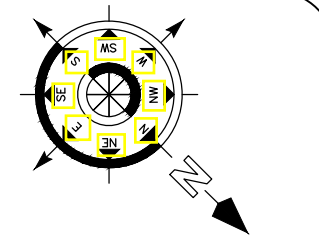
COLUMN AND WALL SCHEDULE

NOTES:

- BE = BOUNDARY ELEMENT AS PER IS 13920. PROVIDE CONFINING REINFORCEMENT ACROSS ENTIRE HEIGHT OF WALL IN THE BOUNDARY ELEMENT
- Z1 = SPECIAL CONFINING ZONE AS PER IS 13920, Z2 = REMAINING ZONES AS PER IS 456



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DESIGN:- ER. PABITRA

PROJECT TITLE:-

K.I.P SOUMYA

STATUS:

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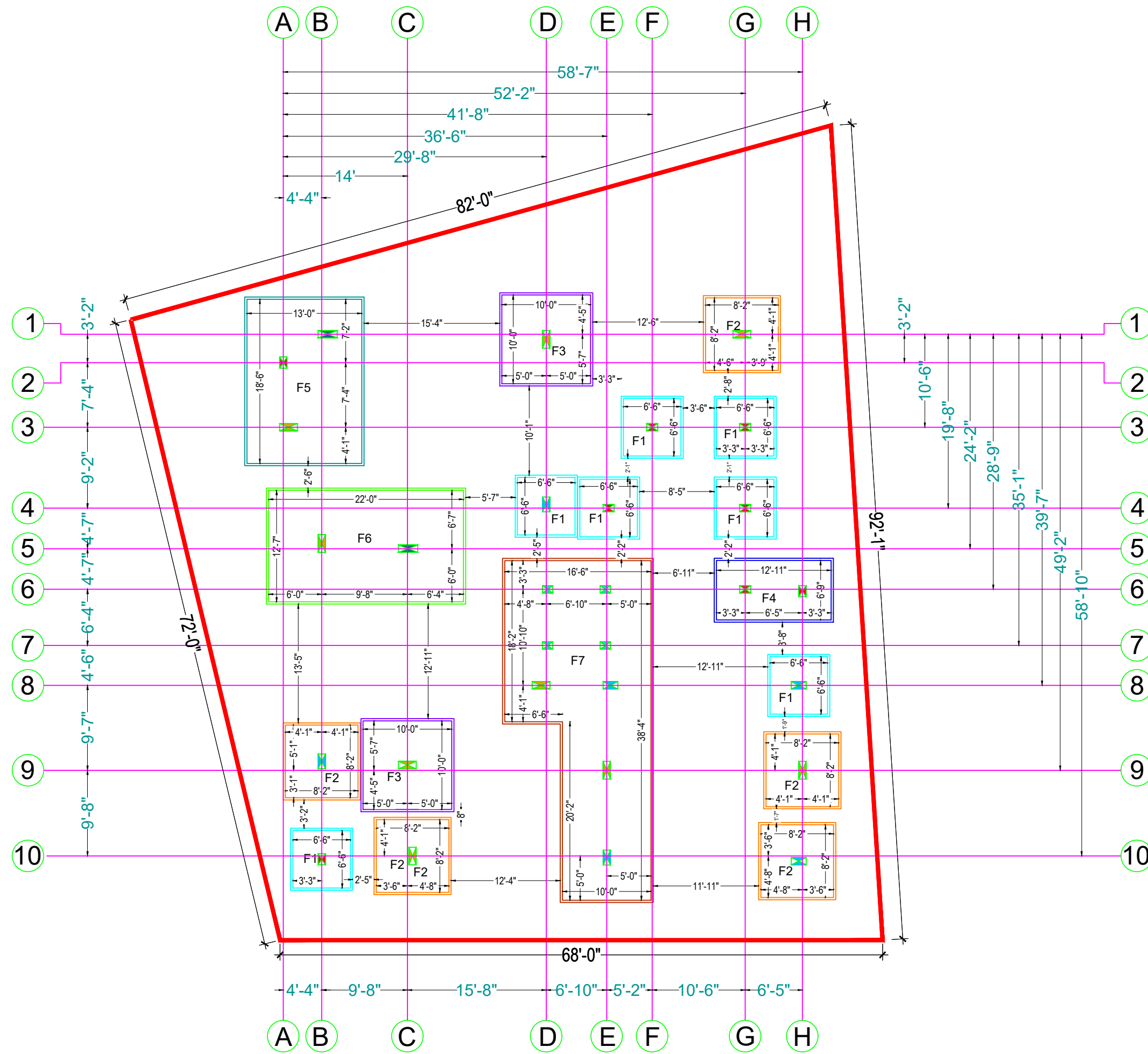
DATE: 04-05-2022
SCALE: NTS
DWG NO: 11

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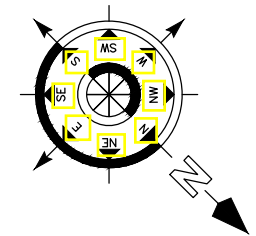
COLUMN SCHEDULE & DETAILING

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LAYOUT PLAN OF COLUMN CENTERLINE
FOOTING LAYOUT PLAN



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DESIGN:- ER. PABITRA

PROJECT TITLE:-
K.I.P SOUMYA

STATUS:
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DATE: 04-05-2022
SCALE: NTS
DWG NO: 12

DRAWING TITLE:-
FOOTING LAYOUT PLAN

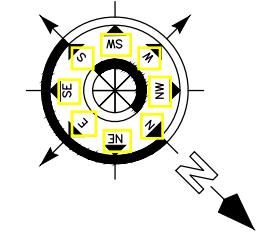

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FOOTING	L	B	H	STEEL	MESH	PEDESTAL
F1	6'-6"	6'-6"	1'-4"	#12@6"C/C B/W	SINGLE MESH	P1
F2	8'-2"	8'-2"	1'-4"	#12@6"C/C B/W	SINGLE MESH	P1
F3	10'-0"	10'-0"	1'-4"	#12@6"C/C B/W	DOUBLE MESH	P2
F4	12'-11"	6'-9"	1'-8"	#12@6"C/C B/W	DOUBLE MESH	P2
F5	13'-0"	18'-6"	1'-10"	#12@6"C/C B/W	DOUBLE MESH	P2
F6	22'-0"	12'-7"	1'-10"	#12@6"C/C B/W	DOUBLE MESH	P2
F7	38'-4"	16'-6"	1'-10"	#12@6"C/C B/W	DOUBLE MESH	P2

PEDESTAL	L	B	H
P1	2'-0"	2'-0"	2'-6"
P2	2'-6"	2'-6"	2'-6"



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DESIGN:- ER. PABITRA

PROJECT TITLE:-

K.I.P SOUMYA

STATUS:

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DATE: 04-05-2022

SCALE: NTS

DWG NO: 13

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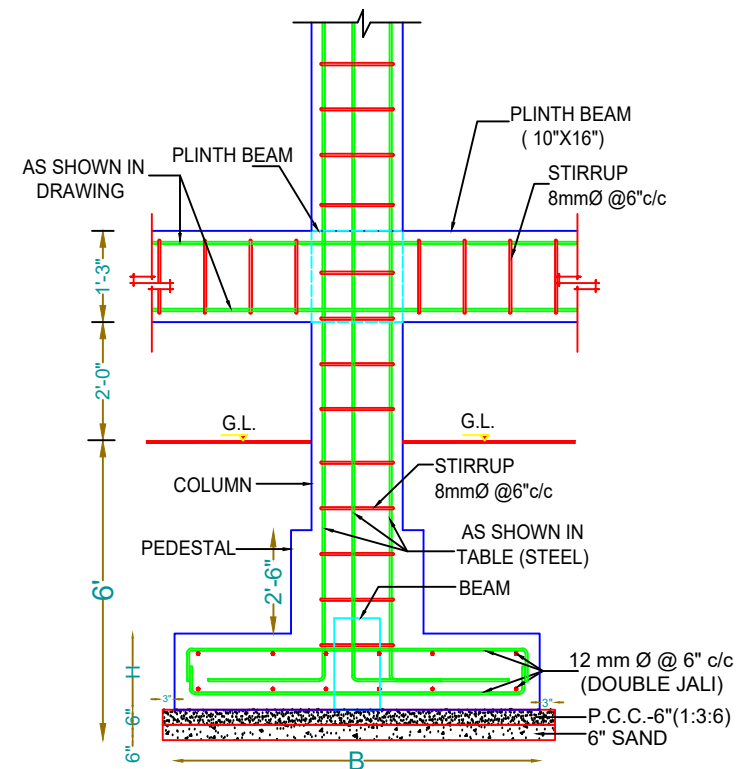
FOOTING
DETAIL DRAWING



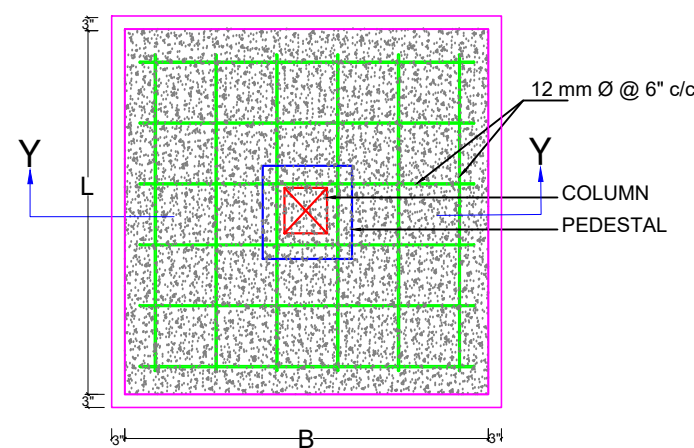
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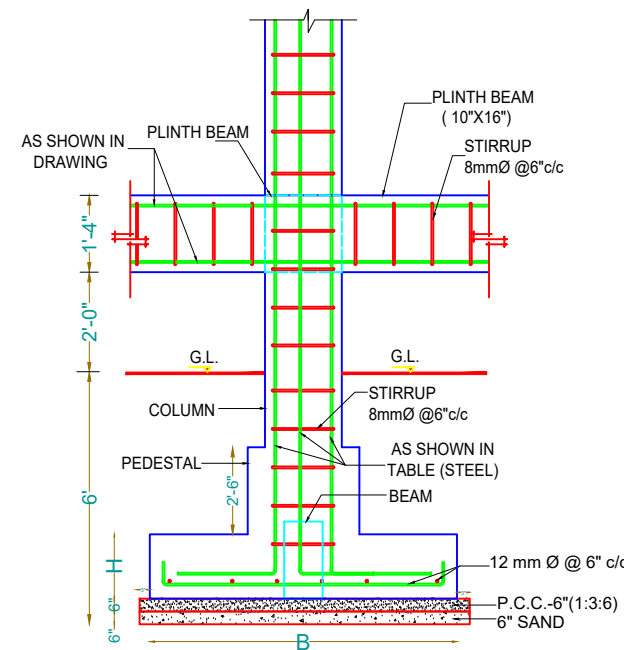
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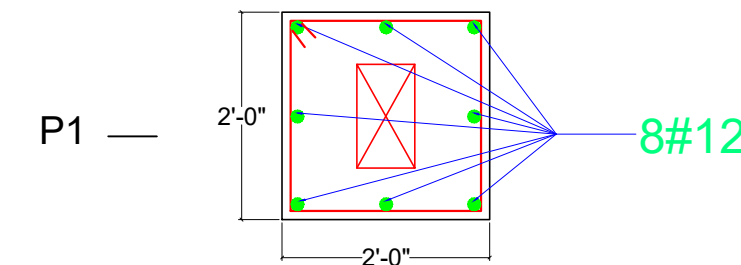
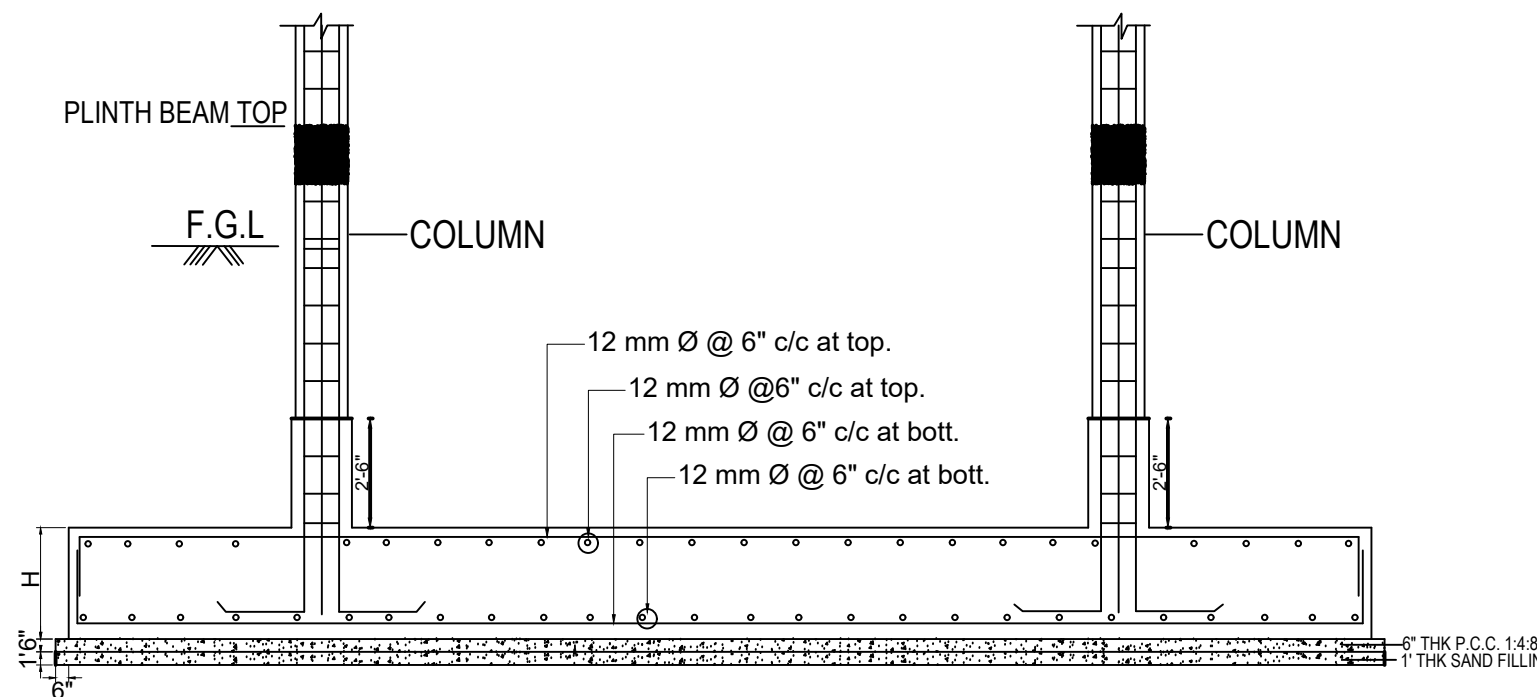
SECTION -Y-Y



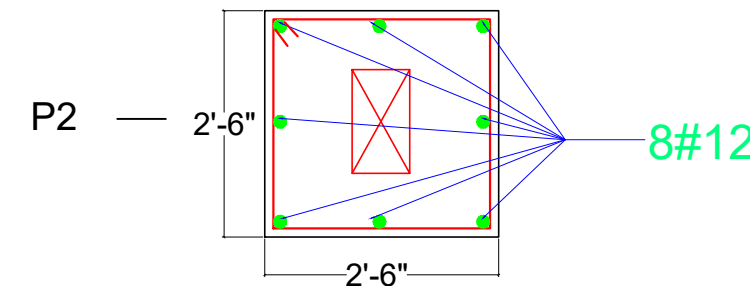
TYPICAL FOOTING



PLINTH BEAM TOP

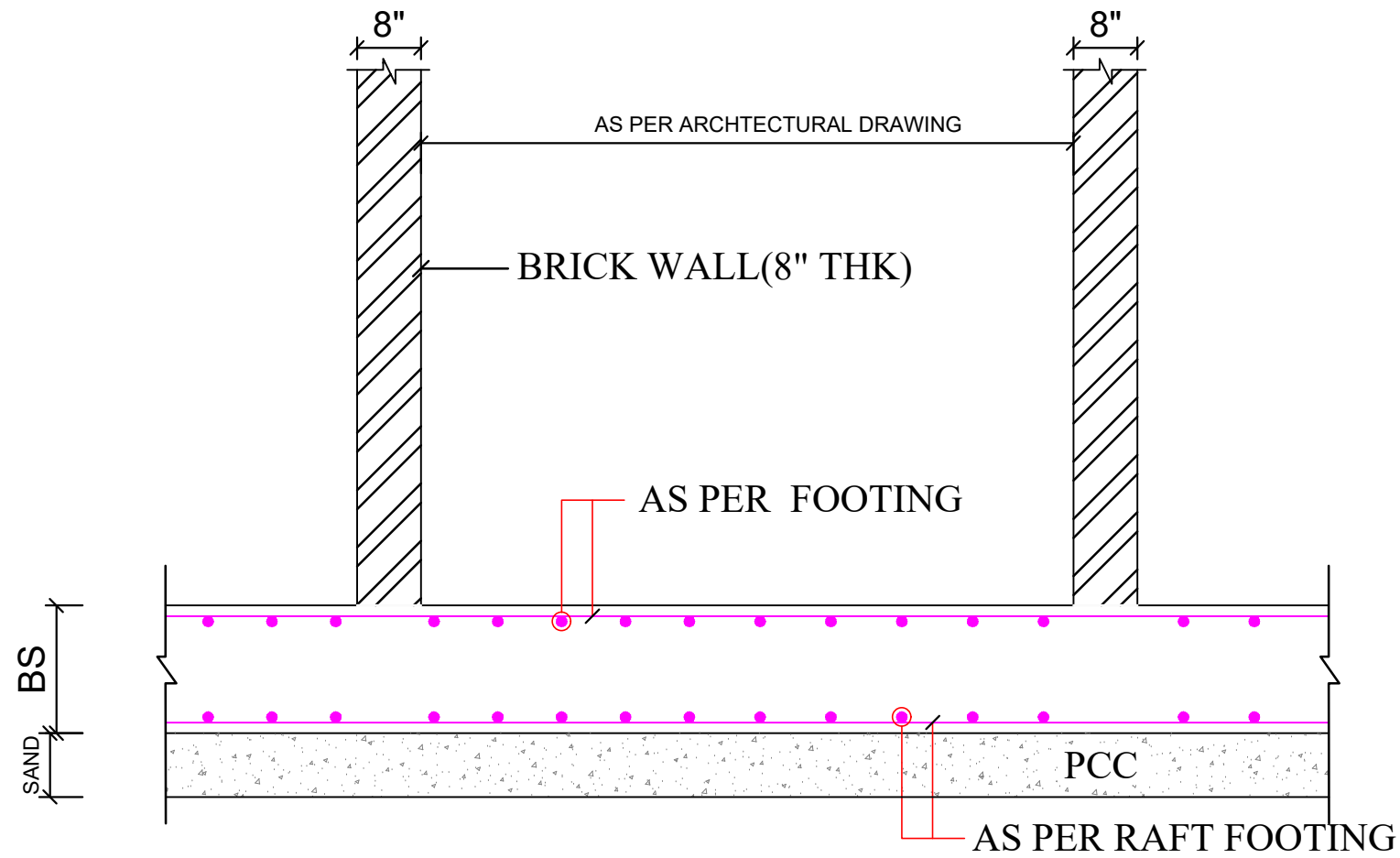
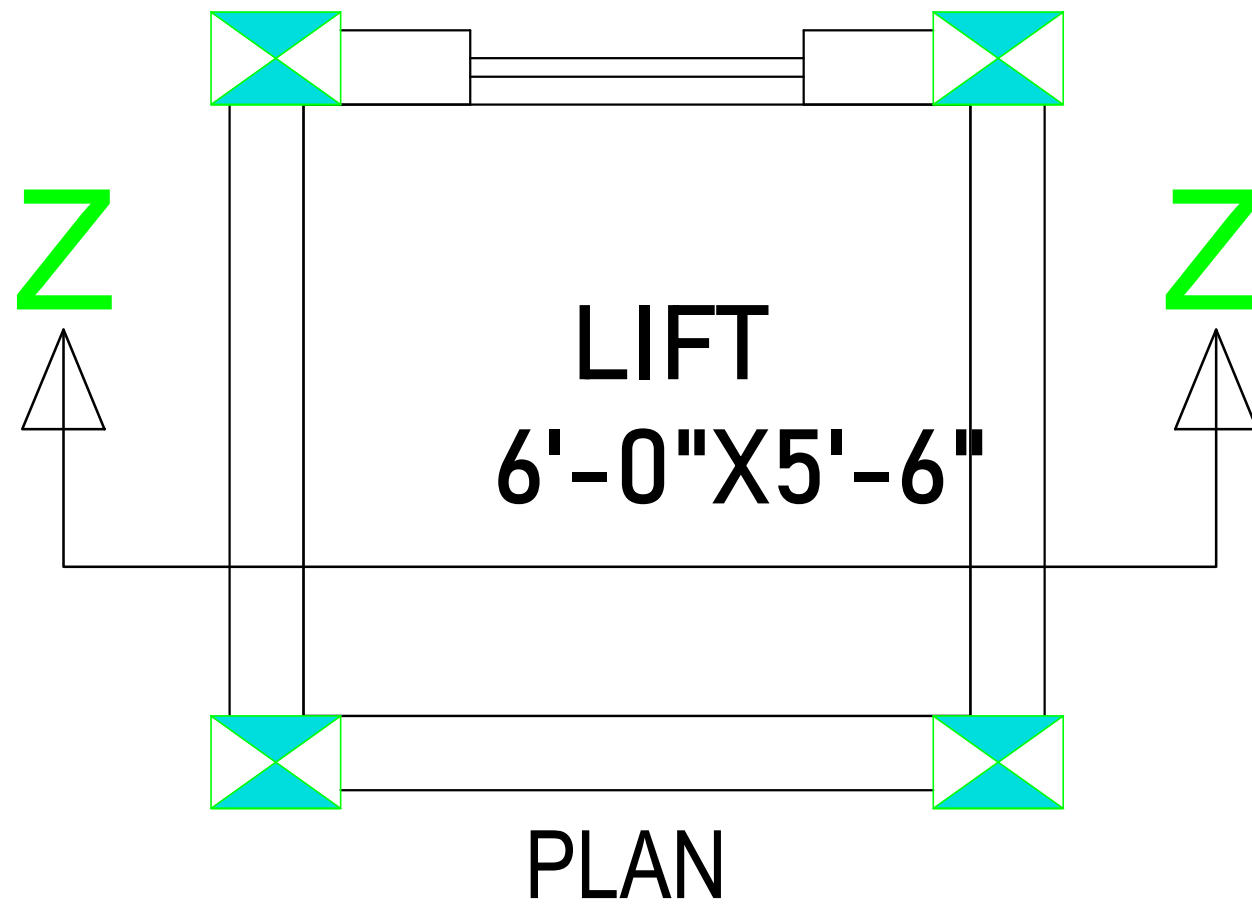


PEDESTAL

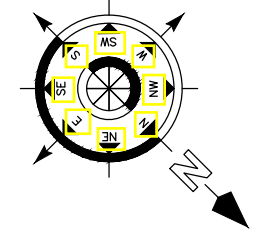


PEDESTAL

6" THK P.C.C. 1:4:8
1" THK SAND FILLING



TYPICAL SECTION THROUGH LIFT WALL(SECTION Z-Z)



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DESIGN:- ER. PABITRA

PROJECT TITLE:-

K.I.P SOUMYA

STATUS:

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DATE: 04-05-2022

SCALE: NTS

DWG NO: 14

DRAWING TITLE:-

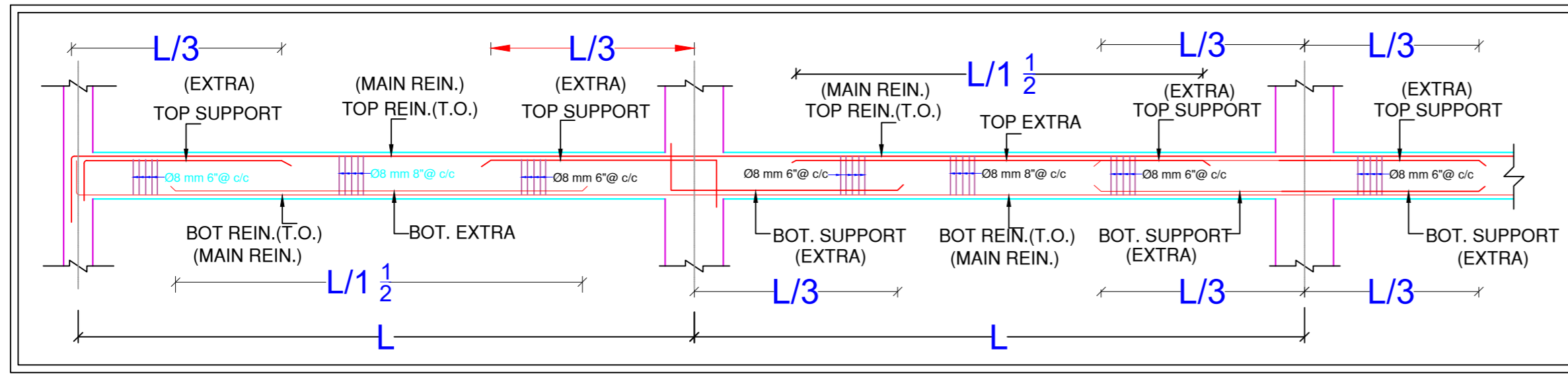
LIFT PIT



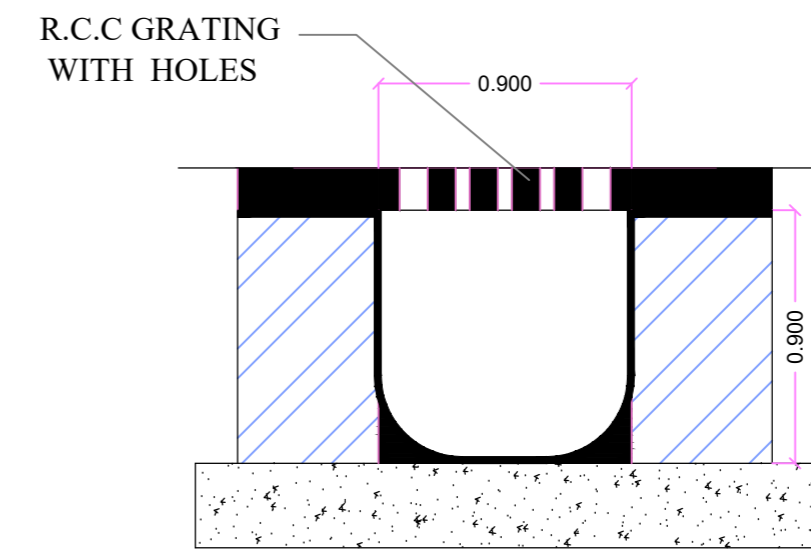
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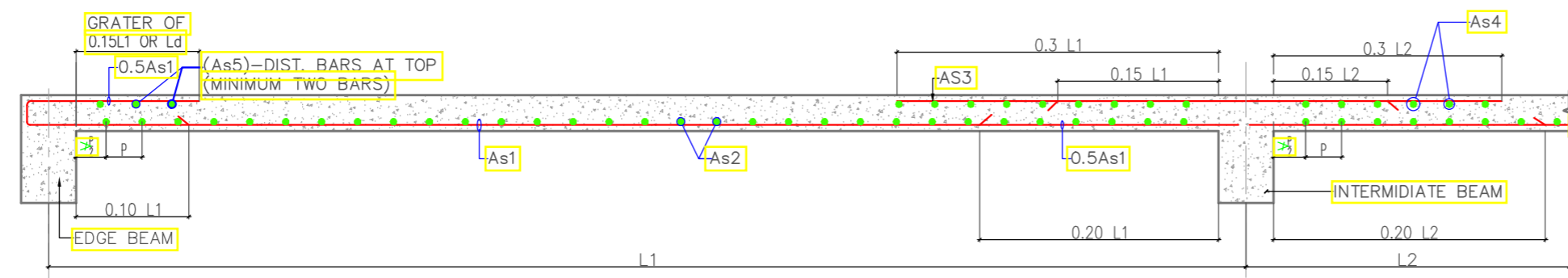
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ARRANGEMENT OF REINFORCEMENT IN A BEAM

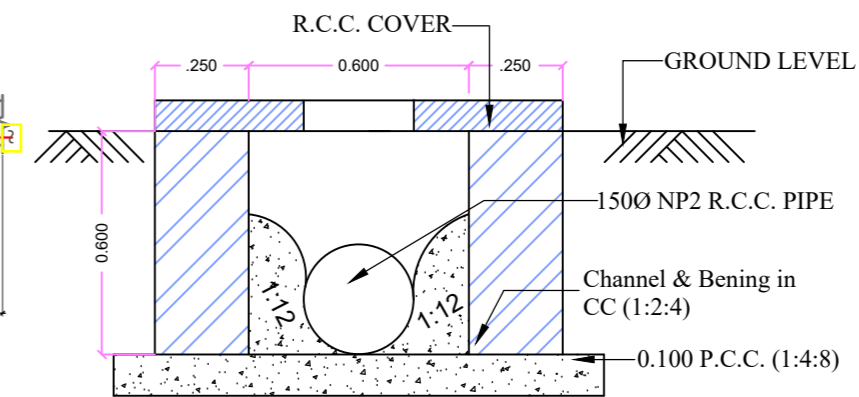


DRAIN

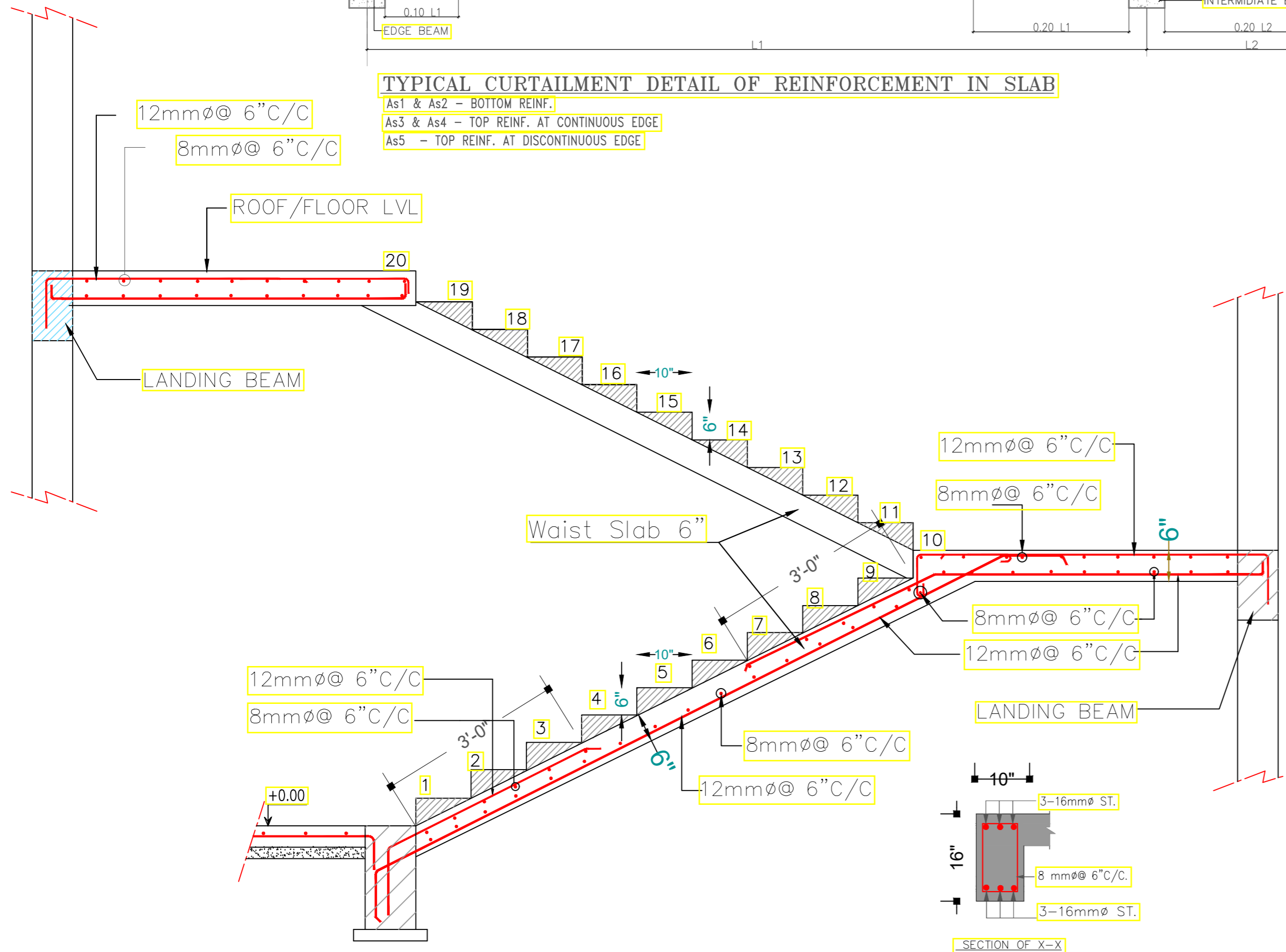


TYPICAL CURTAILMENT DETAIL OF REINFORCEMENT IN SLAB

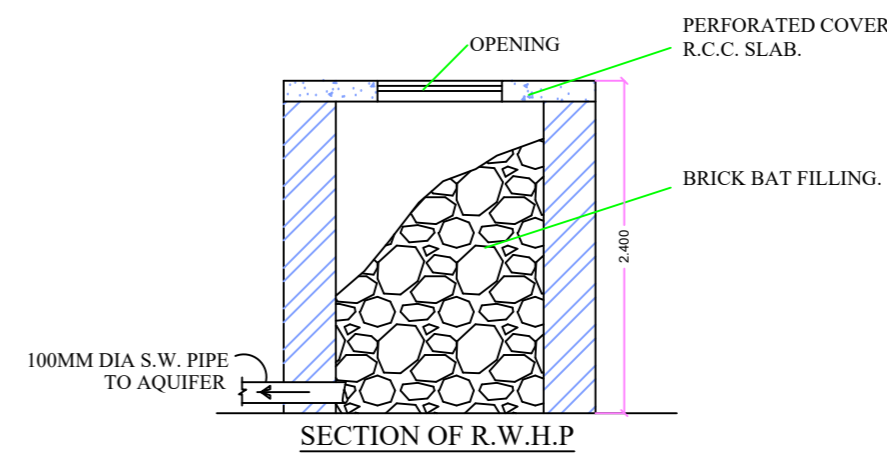
As1 & As2 - BOTTOM REINF.
 As3 & As4 - TOP REINF. AT CONTINUOUS EDGE
 As5 - TOP REINF. AT DISCONTINUOUS EDGE



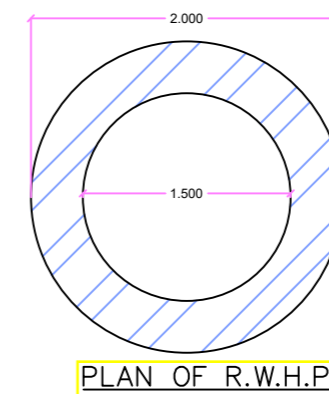
DETAILS OF INSPECTION CHAMBER



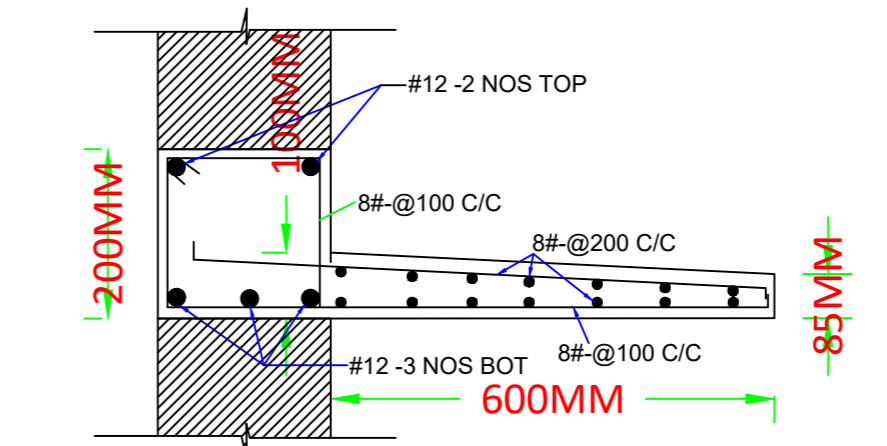
TYP. STAIR DETAILING



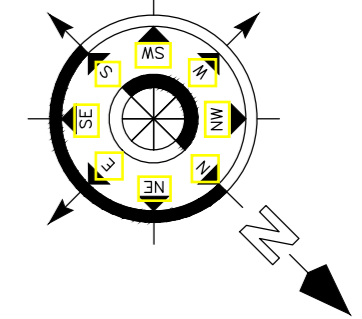
SECTION OF R.W.H.P



PLAN OF R.W.H.P



TYP. DETAILS OF LINTEL WITH CHAJJA OVER D & W



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- FOOTING-50mm, BEAM-25mm, SLAB - 20mm .
- THE MIX FOR ALL R.C.C. WORK SHALL BE M-20 (1:1.5:3).
- ALL THE REINFORCEMENT SHALL BE Fe-500(HYSD BARS).
- MINIMUM DEVELOPMENT LENGTH FOR TOR STEEL SHALL BE 50d, WHERE 'd' IS DIA OF MAIN REINFORCEMENT.
- THE LAP SHALL BE STAGGERED AND AVOIDED AT THE POINT OF MAXIMUM BENDING MOMENT.
- ALL DIMENSION & LEVEL ARE IN FEET-INCH.

SIGNATURE :-

DRAWN:- AR. DHANESHWARI

DESIGN:- ER. PABITRA

PROJECT TITLE:-

K.I.P SOUMYA

STATUS:

ISSUED FOR CONSTRUCTION

DATE: 04-05-2022

SCALE NTS

DWG NO: 15

DRAWING TITLE:-

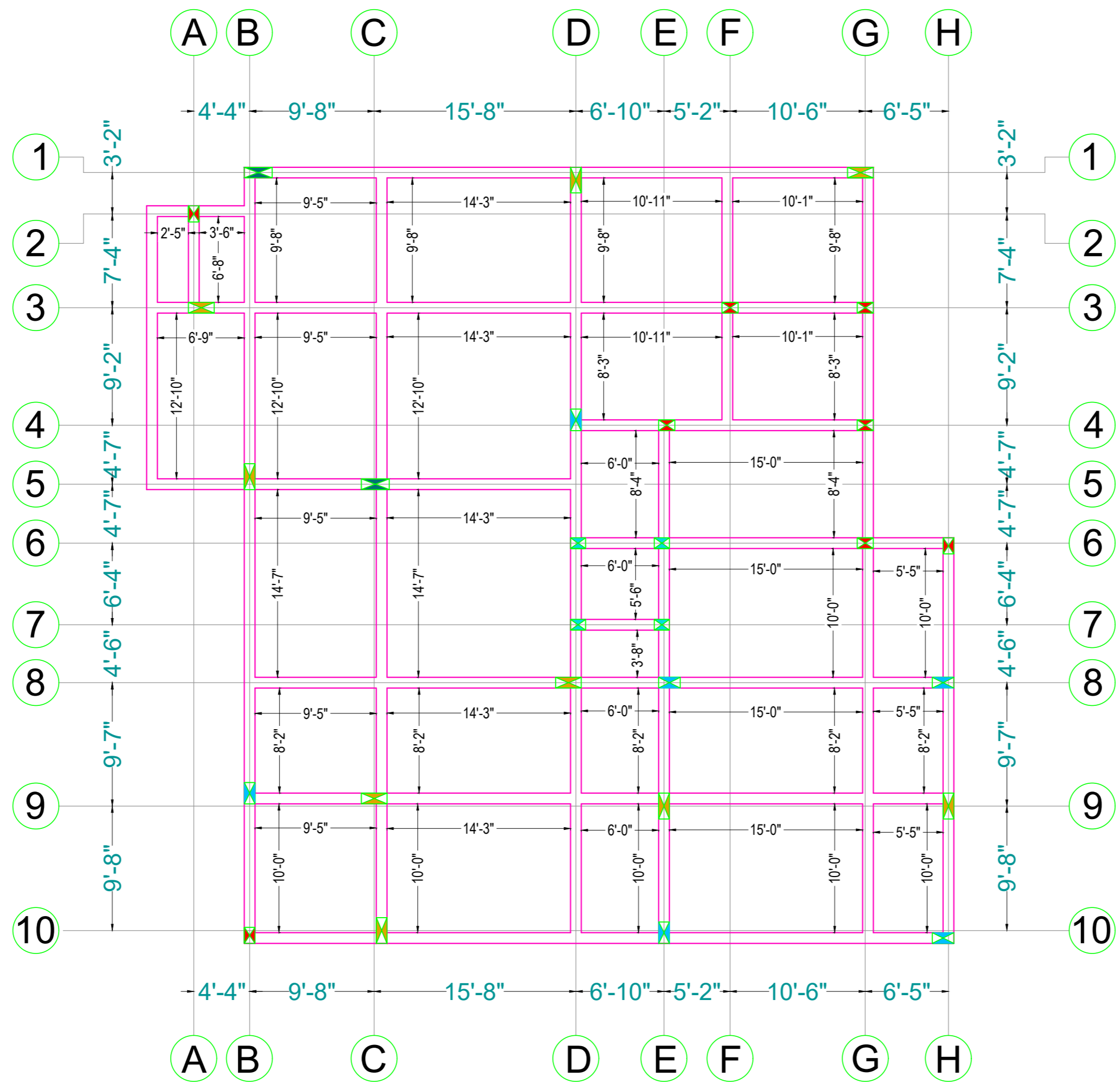
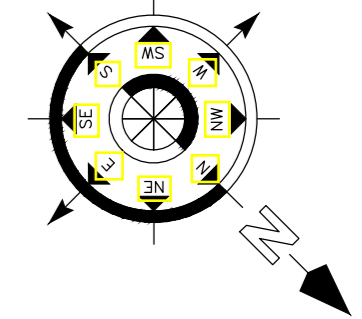
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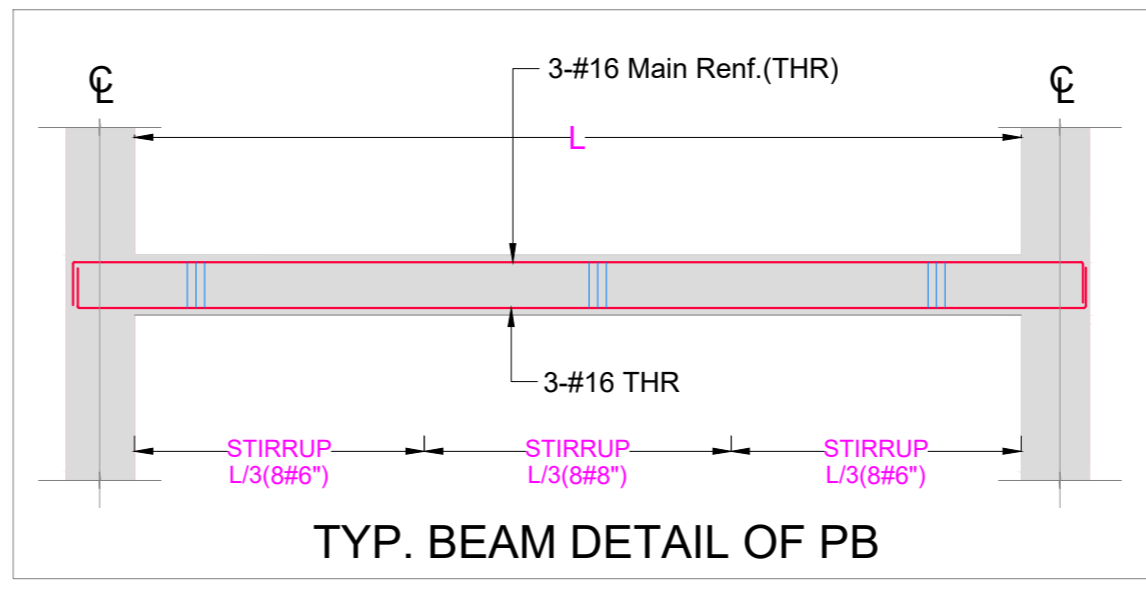
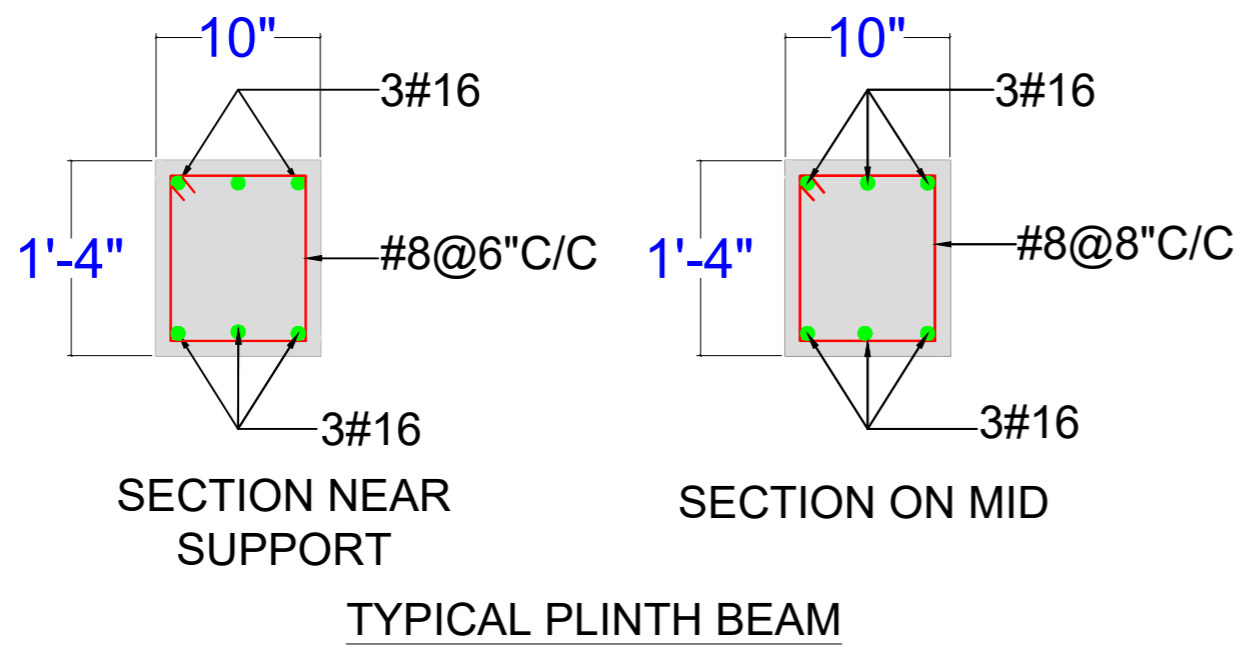
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PLINTH BEAM SHUTTERING PLAN
(ALL BEAM SIZE AREA- 10"X16")



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 - ALL THE REINFORCEMENT SHALL BE Fe-500(HYSD BARS).
 - MINIMUM DEVELOPMENT LENGTH FOR TOR STEEL SHALL BE 50d, WHERE 'd' IS DIA OF MAIN REINFORCEMENT.
 - THE LAP SHALL BE STAGGERED AND AVOIDED AT THE POINT OF MAXIMUM BENDING MOMENT.
 - ALL DIMENSION & LEVEL ARE IN FEET-INCH.

SIGNATURE :-

DRAWN:- AR. DHANESHWARI
 DESIGN:- ER. PABITRA

PROJECT TITLE:-
K.I.P SOUMYA

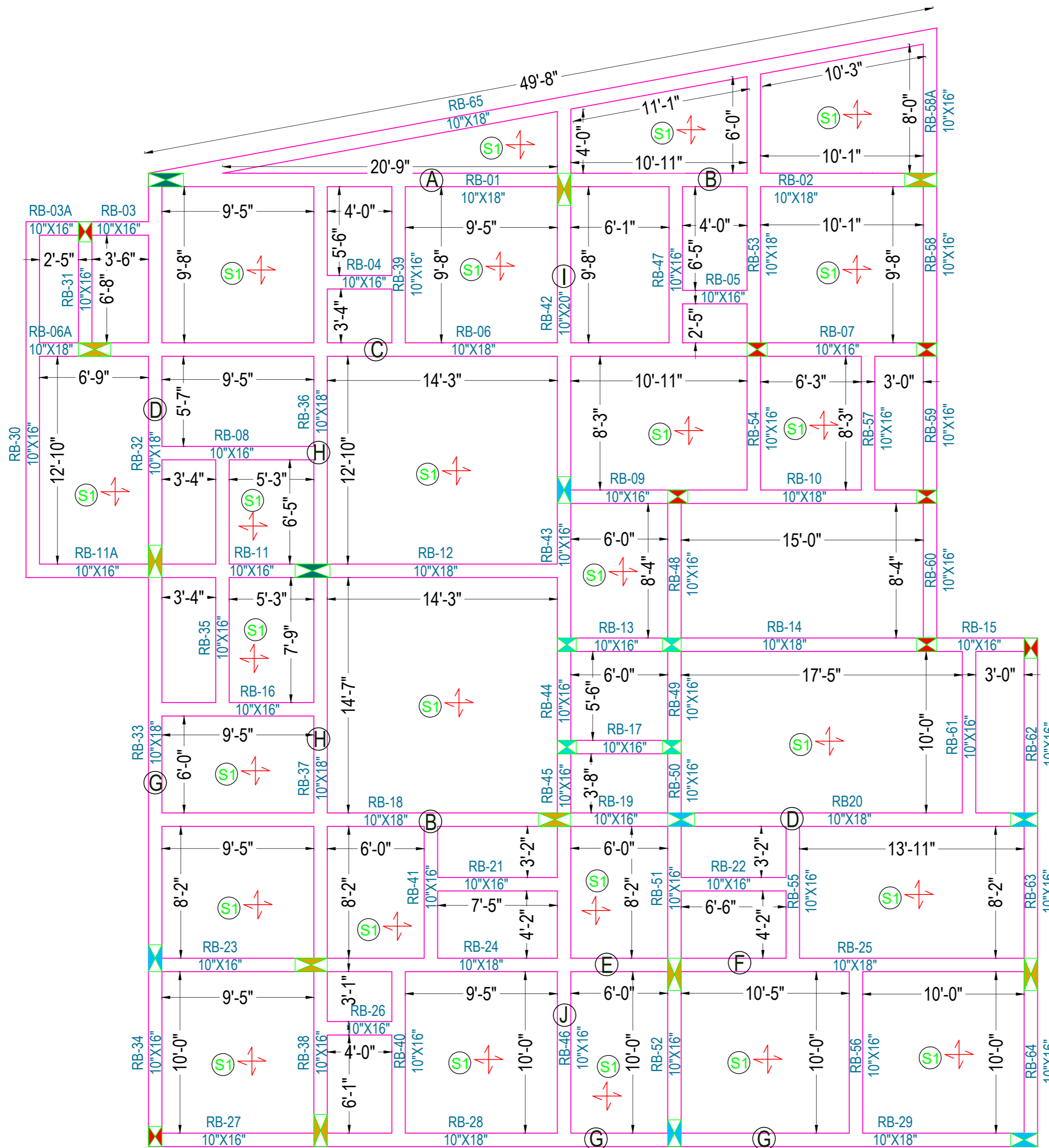
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DATE:	04-05-2022
SCALE	NTS
DWG NO:	16

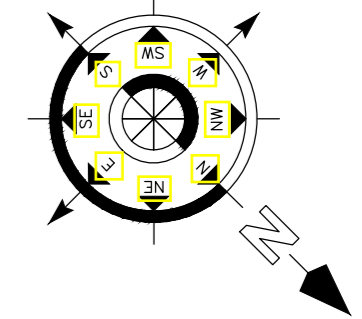
DRAWING TITLE:-
 PLINTH BEAM SHUTTERING PLAN

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STILT FLOOR ROOF BEAM SHUTTERING PLAN



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DRAWN:- AR. DHANESHWARI

DESIGN:- ER. PABITRA

PROJECT TITLE:-

K.I.P SOUMYA

STATUS:

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DATE: 04-05-2022

SCALE NTS

DWG NO: 17

DRAWING TITLE:-

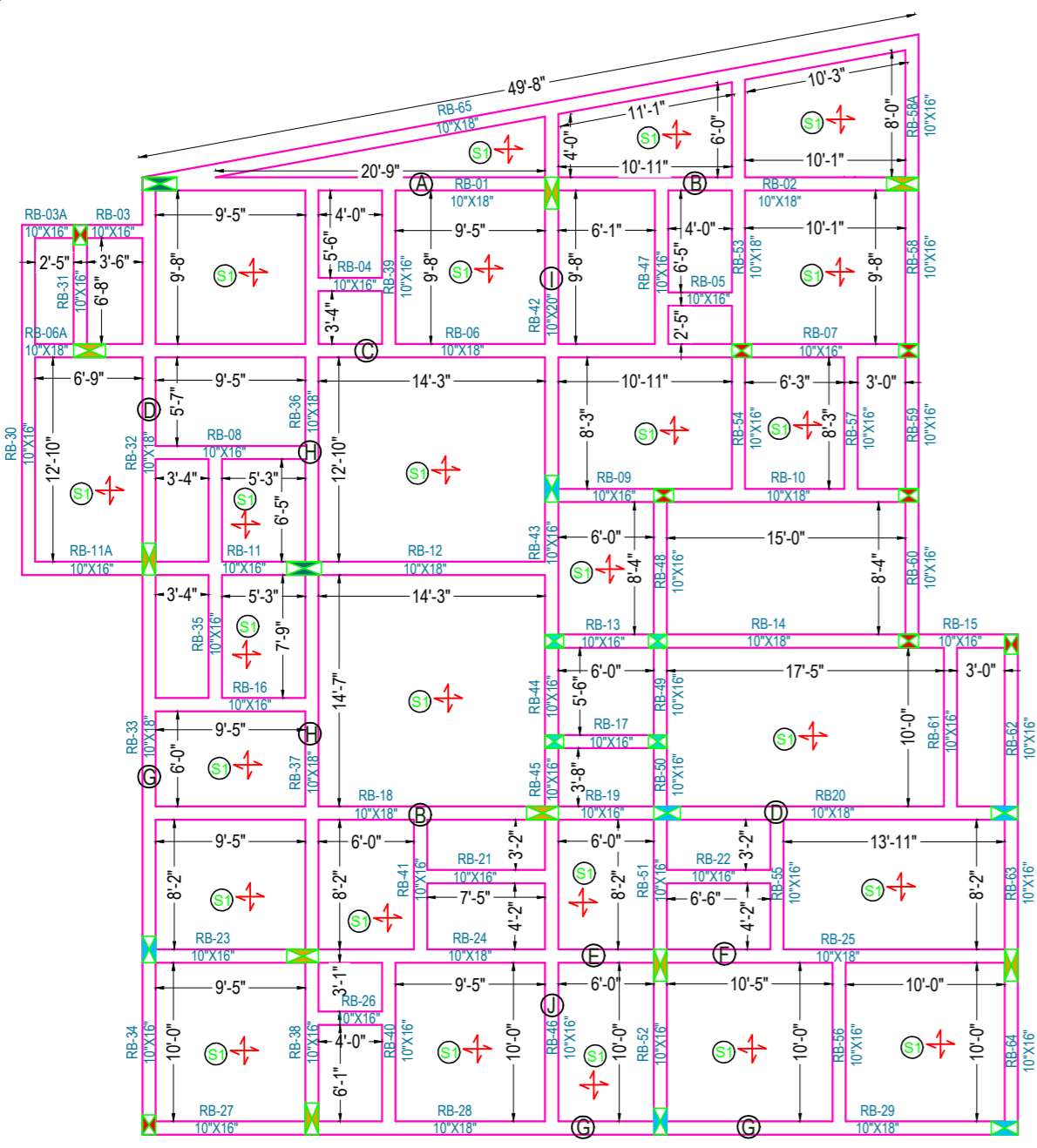
**STILT FLOOR
ROOF BEAM
SHUTTERING PLAN**



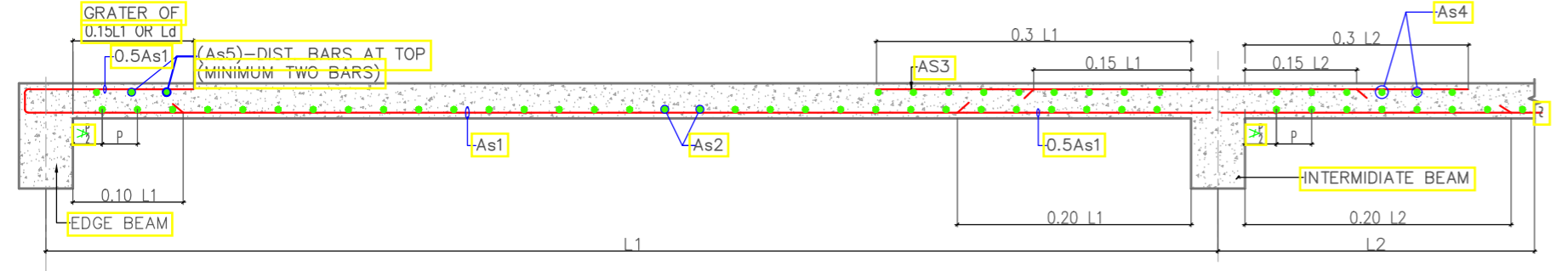
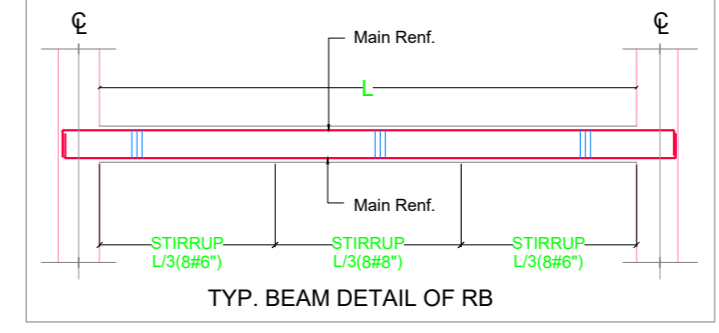
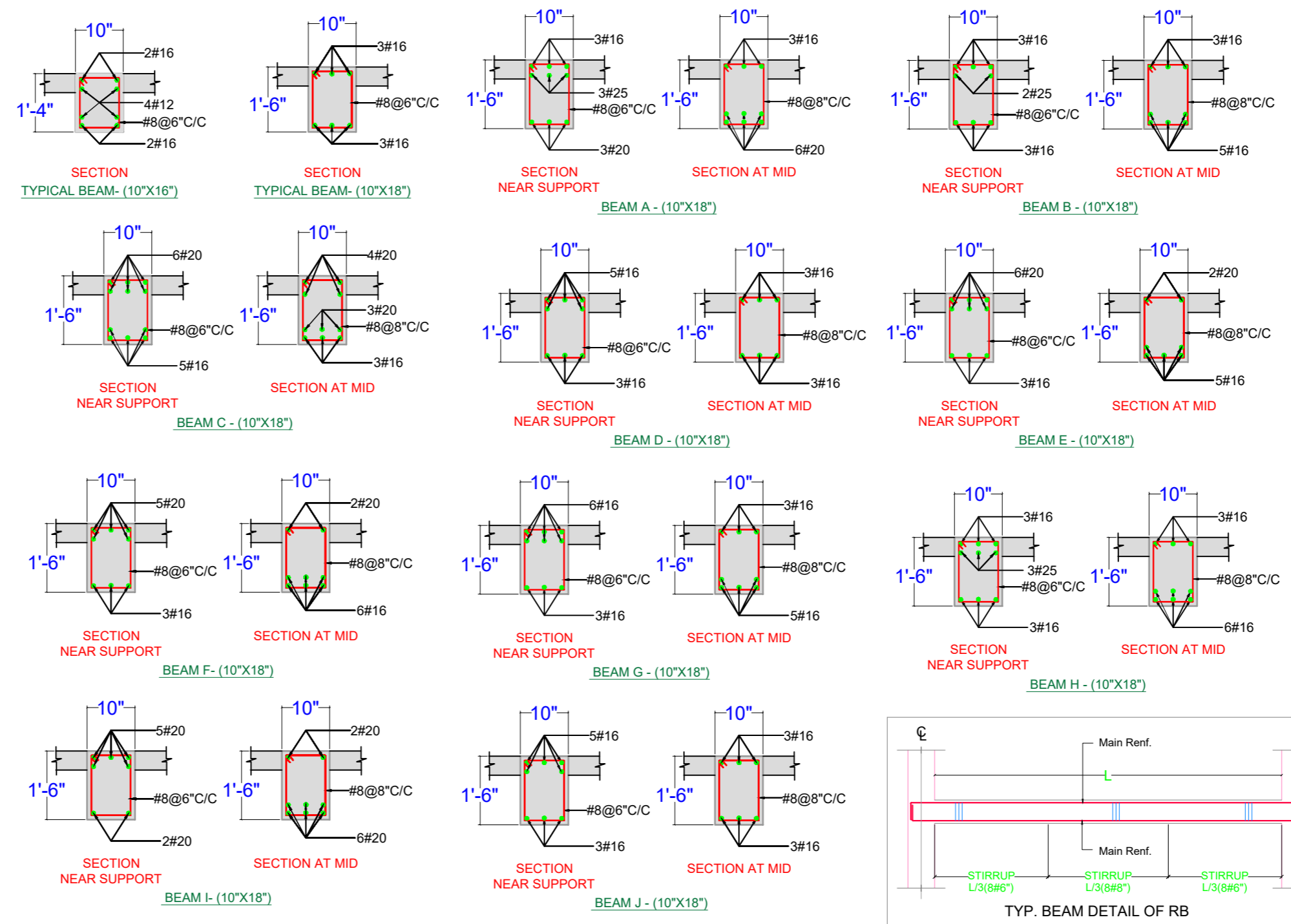
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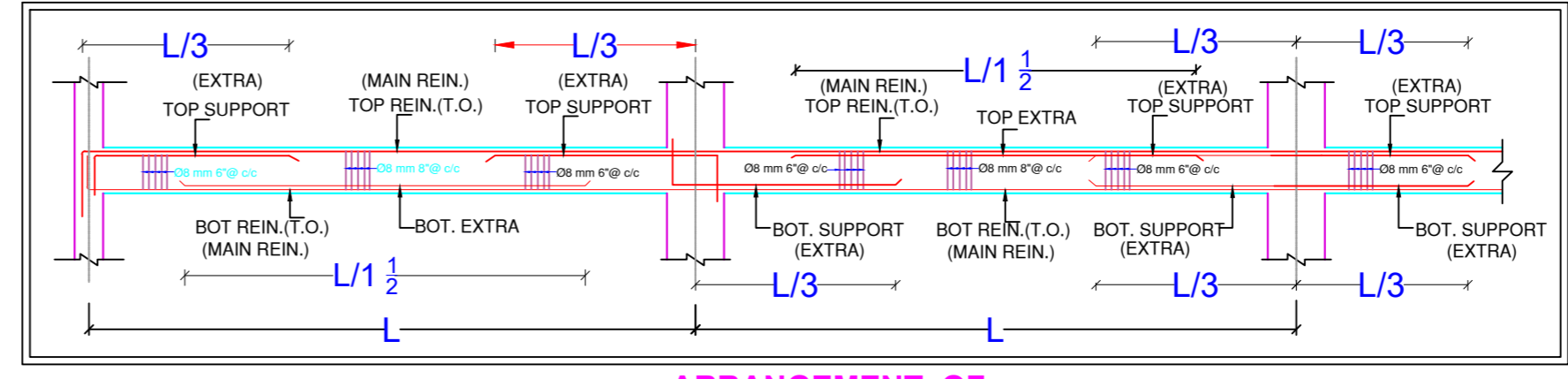
STILT FLOOR ROOF BEAM SHUTTERING PLAN



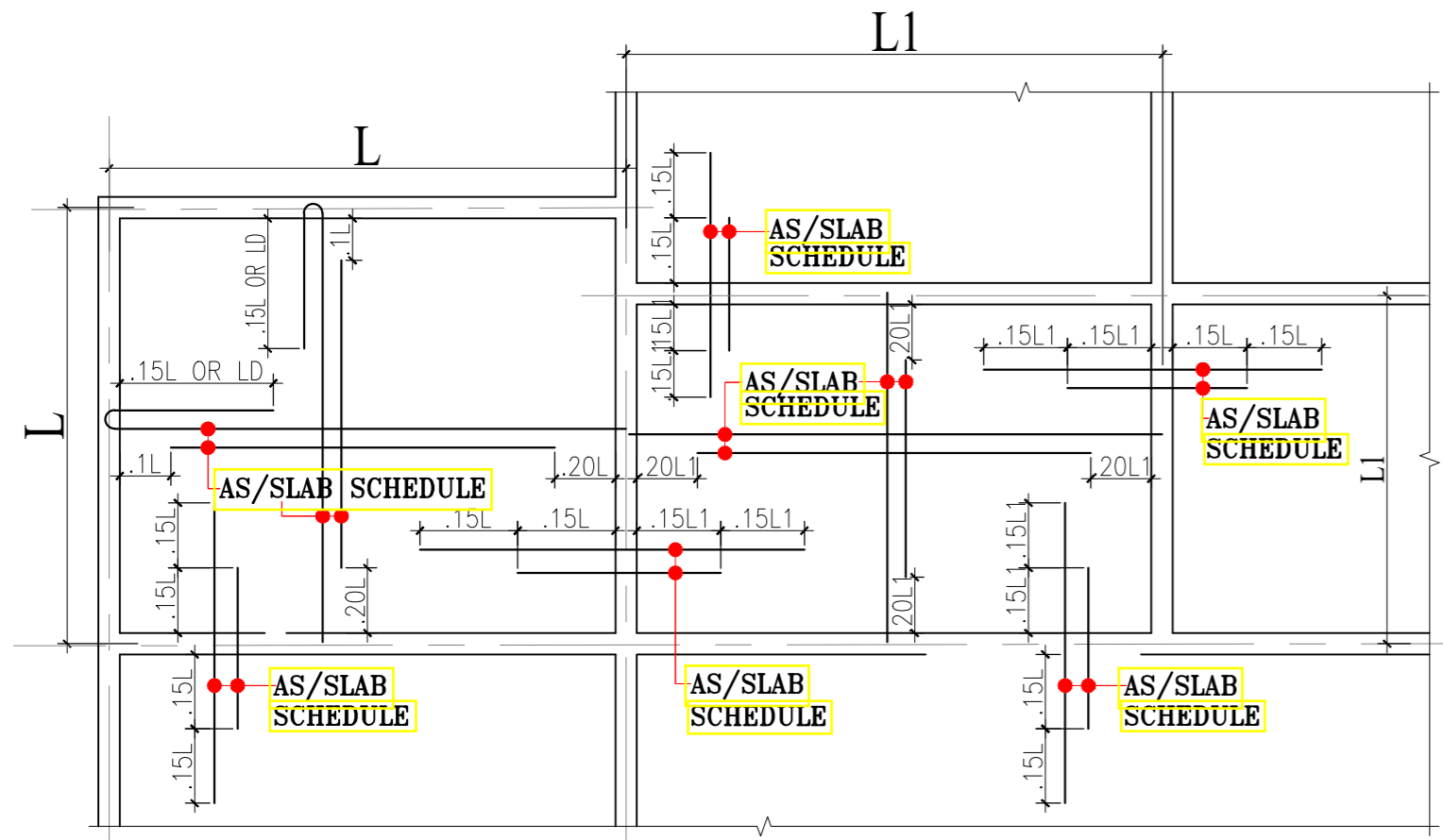
TYPICAL CURTAILMENT DETAIL OF REINFORCEMENT IN SLAB
 As1 & As2 - BOTTOM REINF.
 As3 & As4 - TOP REINF. AT CONTINUOUS EDGE
 As5 - TOP REINF. AT DISCONTINUOUS EDGE

CONC. MIX. SHALL BE M-25 FOR SLAB

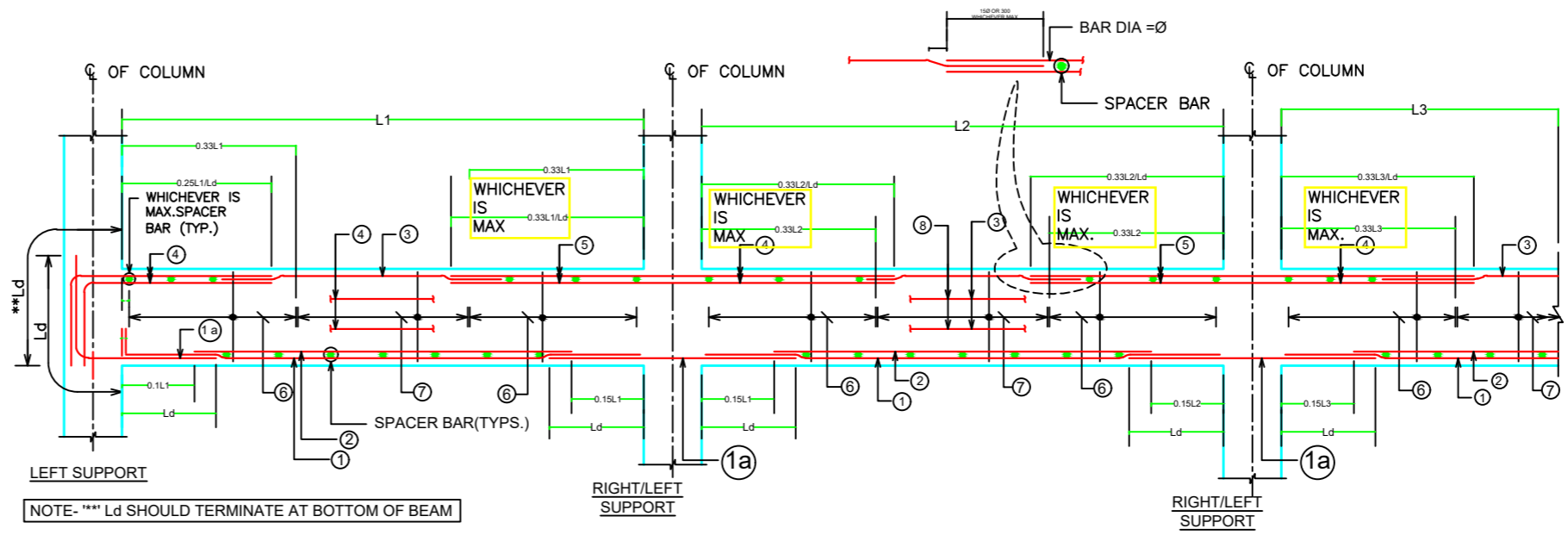
SLAB NO.	DEPTH	REINFORCEMENT			
		SPAN(As1/As2)		SUPPORT(As3/As4/As5)	
		SHORTER SPAN	LONGER SPAN	SHORTER SPAN	LONGER SPAN
S1	5"	T8@6"C/C	T8@6"C/C	T8@6"C/C	T8@6"C/C



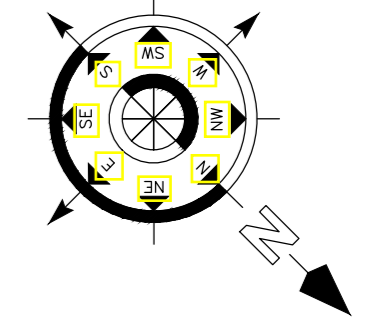
ARRANGEMENT OF REINFORCEMENT IN A BEAM



TYPICAL DETAILS OF SLAB SHOWING REINFORCEMENT



TYPICAL DETAILS OF CONTINUOUS BEAM



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- THE MIX FOR ALL R.C.C. WORK SHALL BE M-20 (1:1.5:3).
- ALL THE REINFORCEMENT SHALL BE F6-500(HYSD BARS).
- MINIMUM DEVELOPMENT LENGTH FOR TOR STEEL SHALL BE 50d, WHERE 'd' IS DIA OF MAIN REINFORCEMENT.
- THE LAP SHALL BE STAGGERED AND AVOIDED AT THE POINT OF MAXIMUM BENDING MOMENT.
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SIGNATURE :-

DRAWN:- AR. DHANESHWARI
DESIGN:- ER. PABITRA

PROJECT TITLE:-

K.I.P SOUMYA

STATUS:

ISSUED FOR CONSTRUCTION

DATE: 04-05-2022
SCALE: NTS
DWG NO: 18

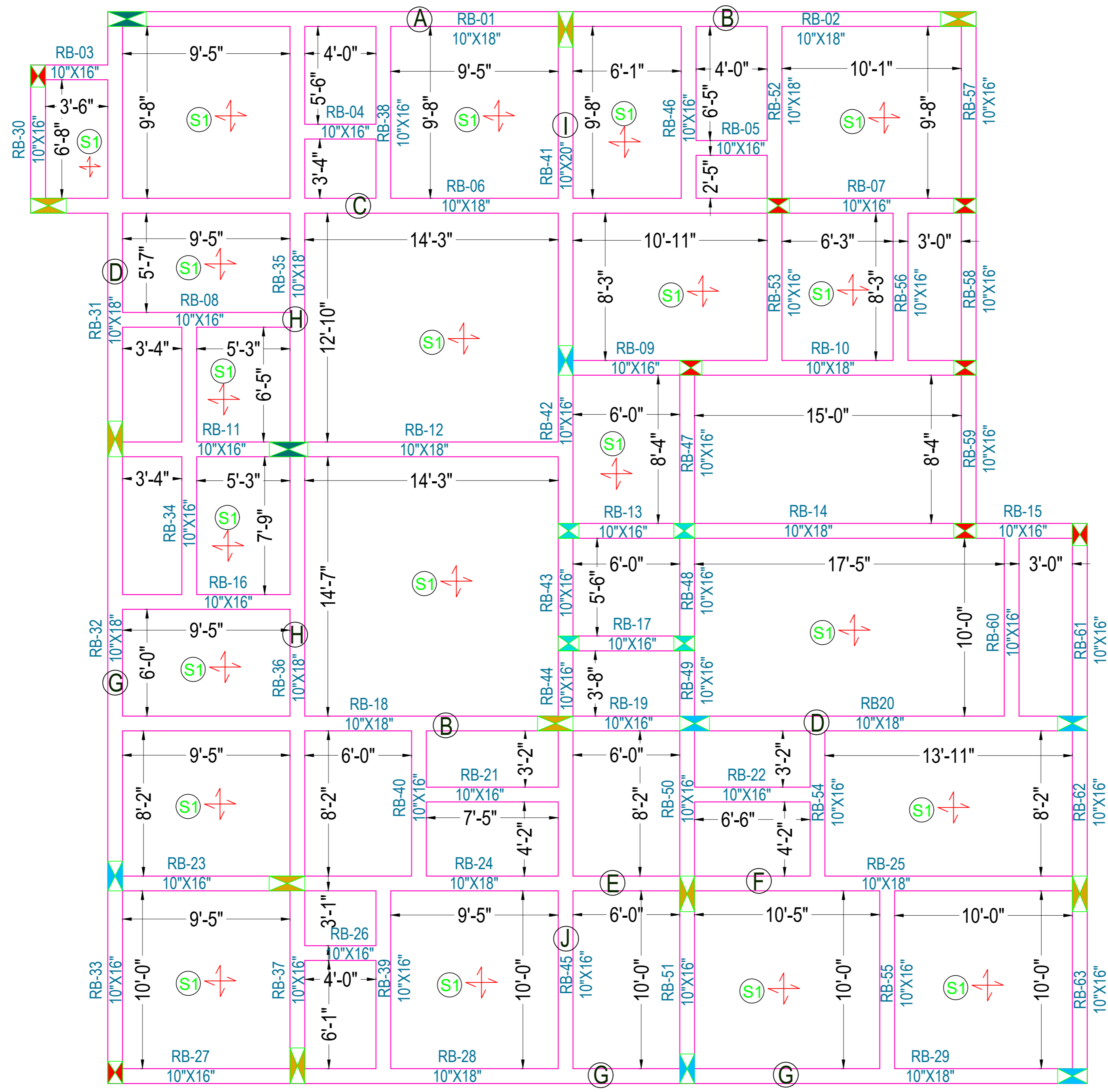
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STILT ROOF BEAM SHUTTERING PLAN

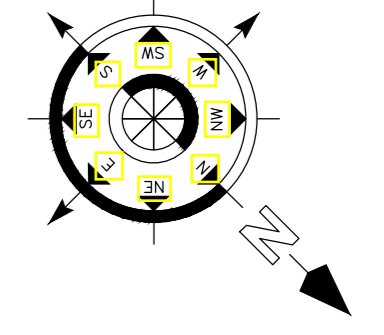
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FIRST FLOOR ROOF BEAM SHUTTERING PLAN



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DESIGN:- ER. PABITRA

PROJECT TITLE:-
K.I.P SOUMYA

STATUS:
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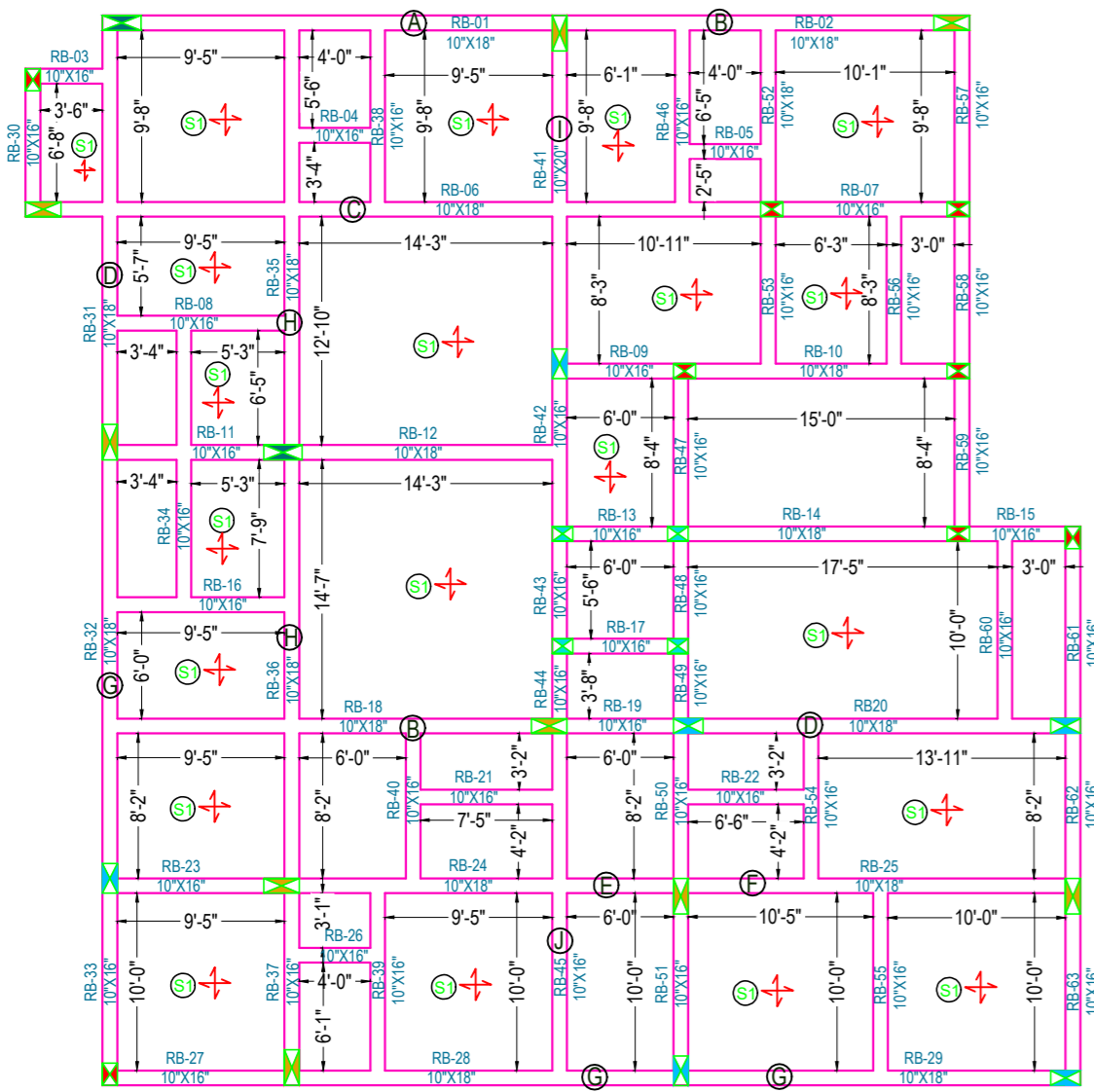
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FIRST FLOOR ROOF BEAM SHUTTERING PLAN

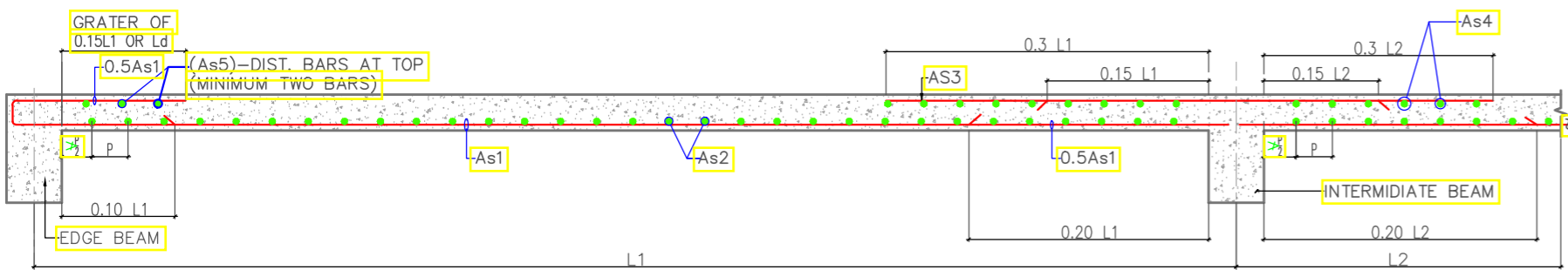
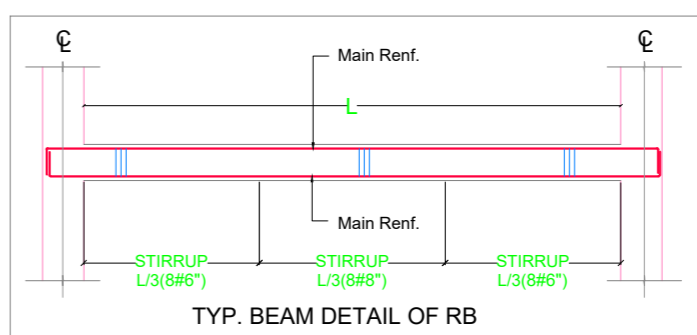
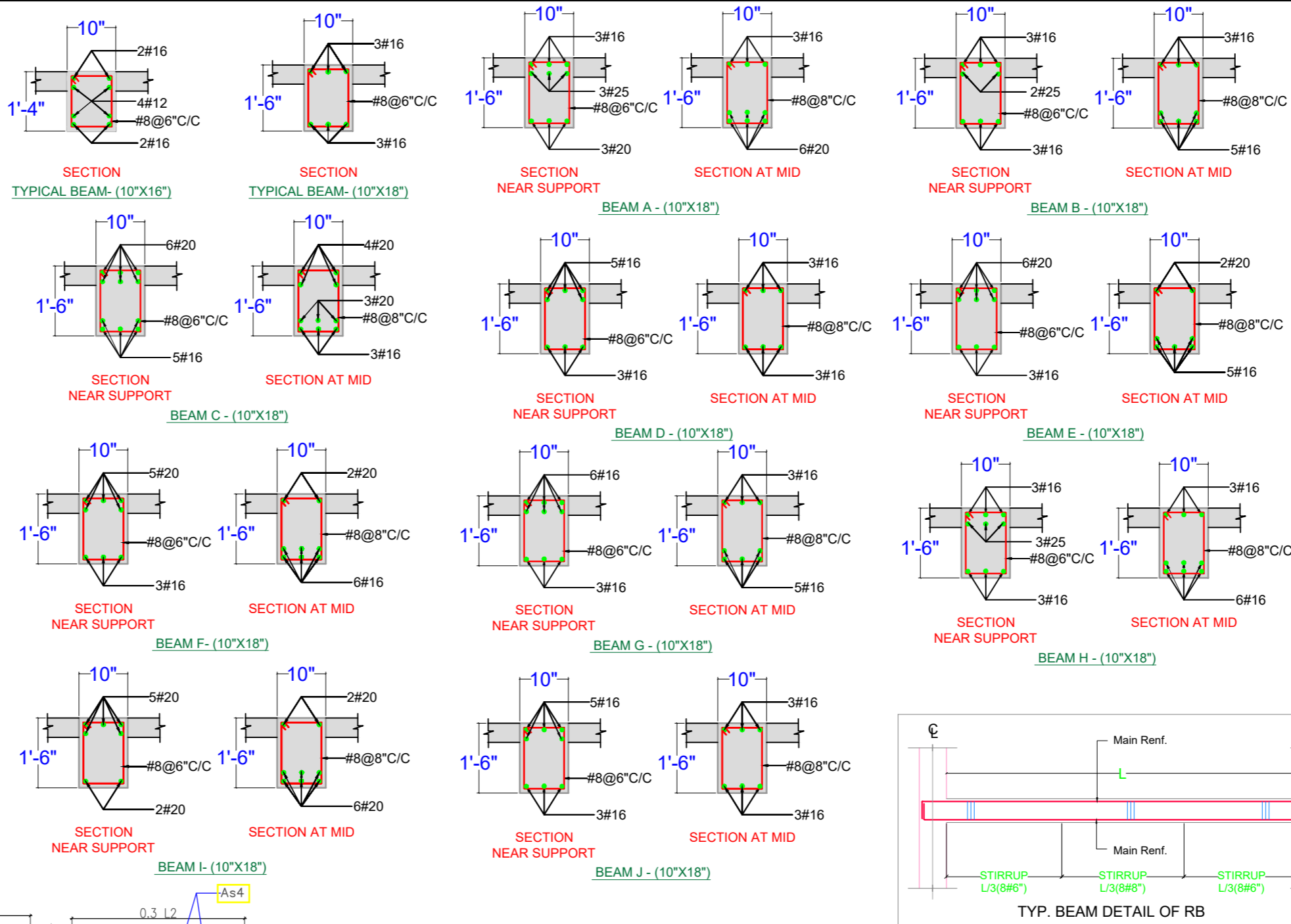
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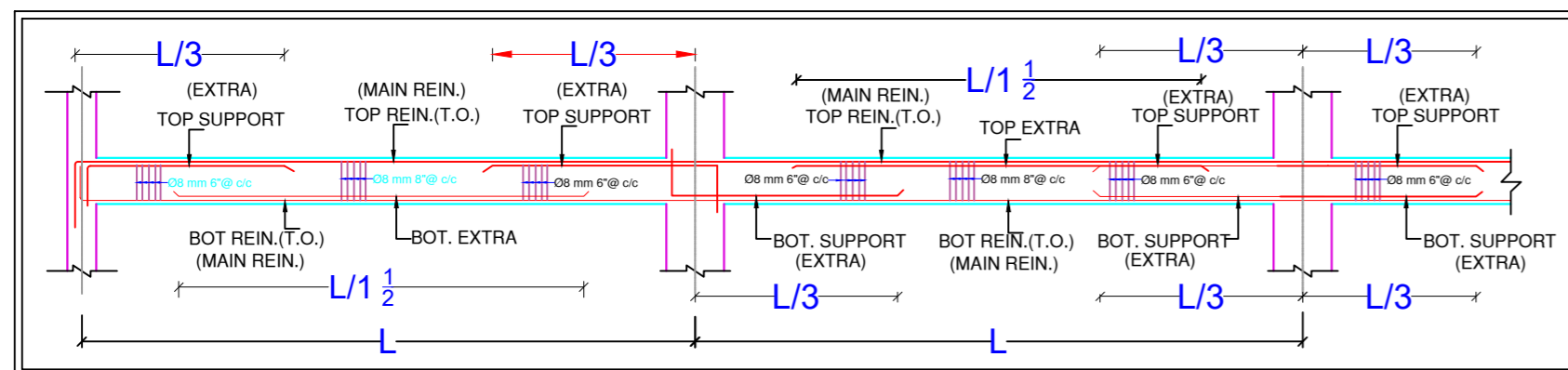


FIRST FLOOR ROOF BEAM SHUTTERING PLAN

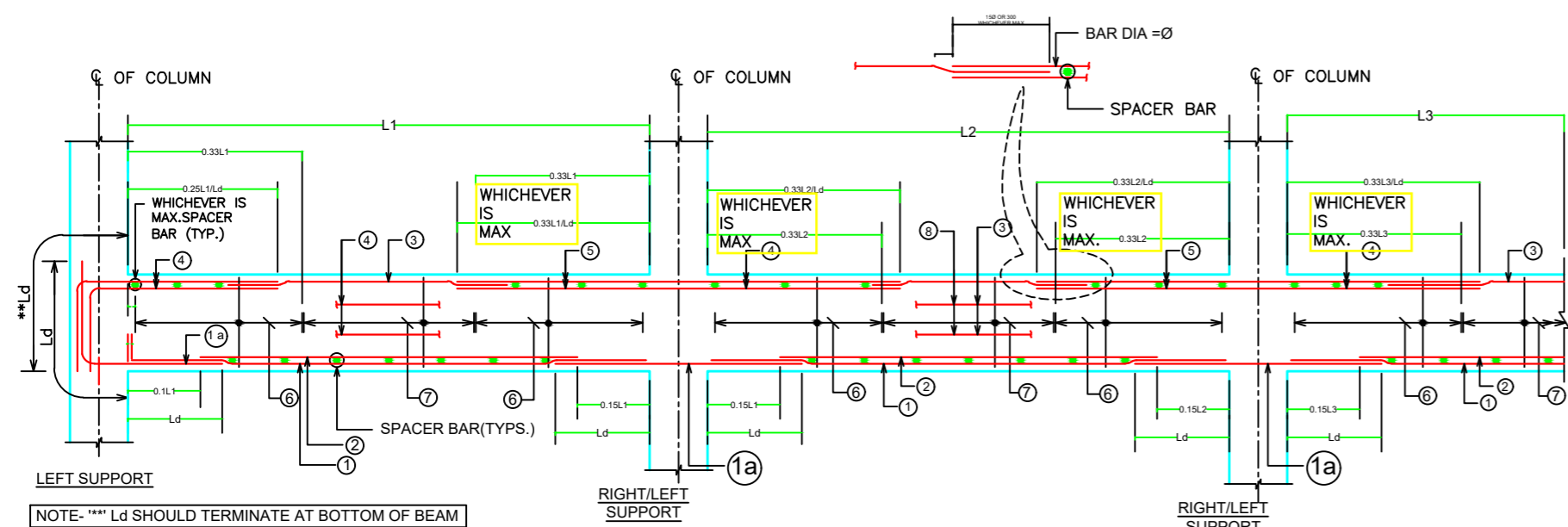


TYPICAL CURTAILMENT DETAIL OF REINFORCEMENT IN SLAB

As1 & As2 - BOTTOM REINF.
 As3 & As4 - TOP REINF. AT CONTINUOUS EDGE
 As5 - TOP REINF. AT DISCONTINUOUS EDGE



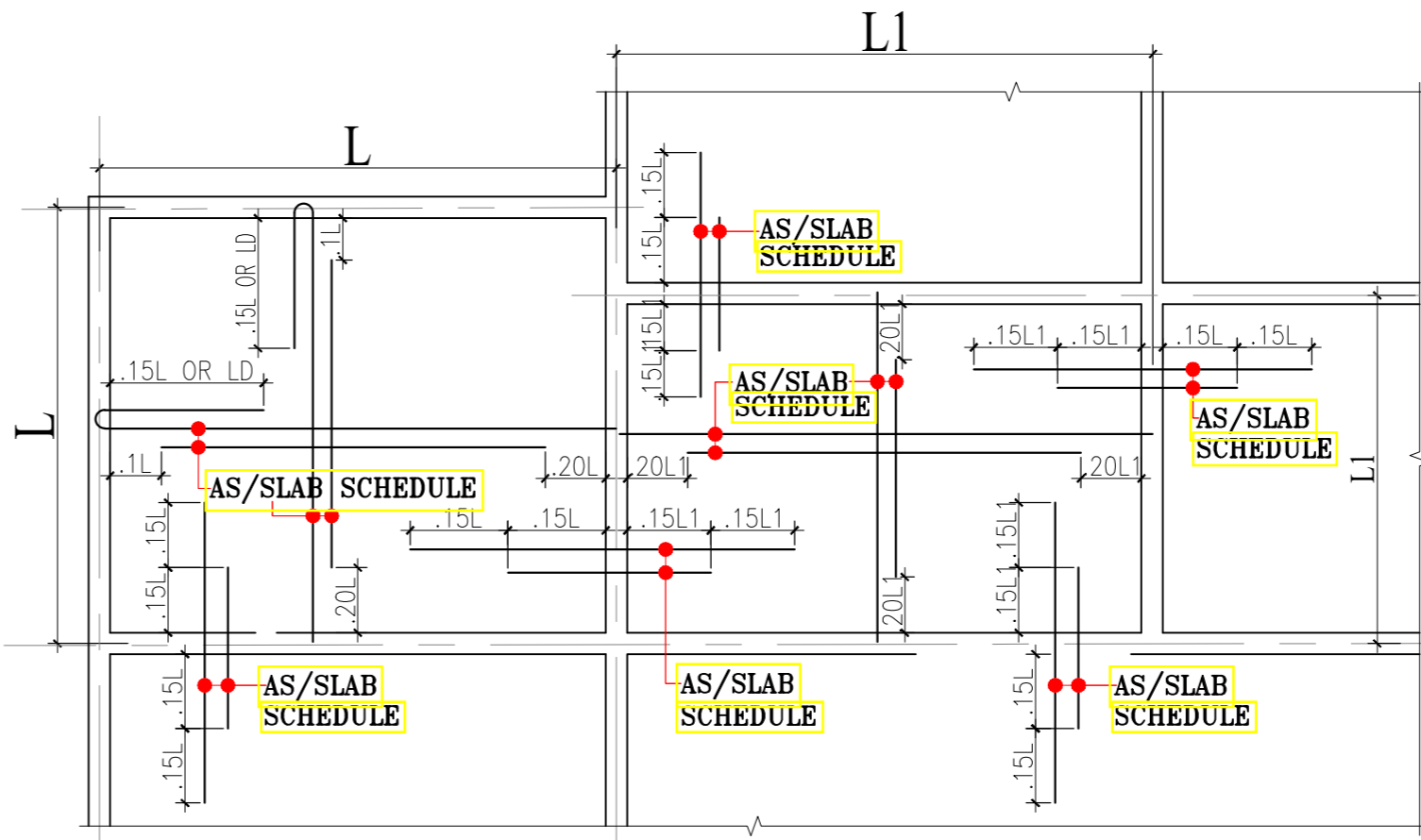
ARRANGEMENT OF REINFORCEMENT IN A BEAM



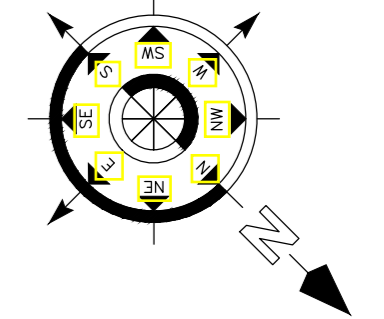
TYPICAL DETAILS OF CONTINUOUS BEAM

CONC. MIX. SHALL BE M-25 FOR SLAB

SLAB NO.	DEPTH	REINFORCEMENT			
		SPAN(As1/As2)		SUPPORT(As3/As4/As5)	
		SHORTER SPAN	LONGER SPAN	SHORTER SPAN	LONGER SPAN
S1	5"	T8@6"C/C	T8@6"C/C	T8@6"C/C	T8@6"C/C



TYPICAL DETAILS OF SLAB SHOWING REINFORCEMENT



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SIGNATURE :-

DRAWN:- AR. DHANESHWARI
 DESIGN:- ER. PABITRA

PROJECT TITLE:-
K.I.P SOUMYA

STATUS:
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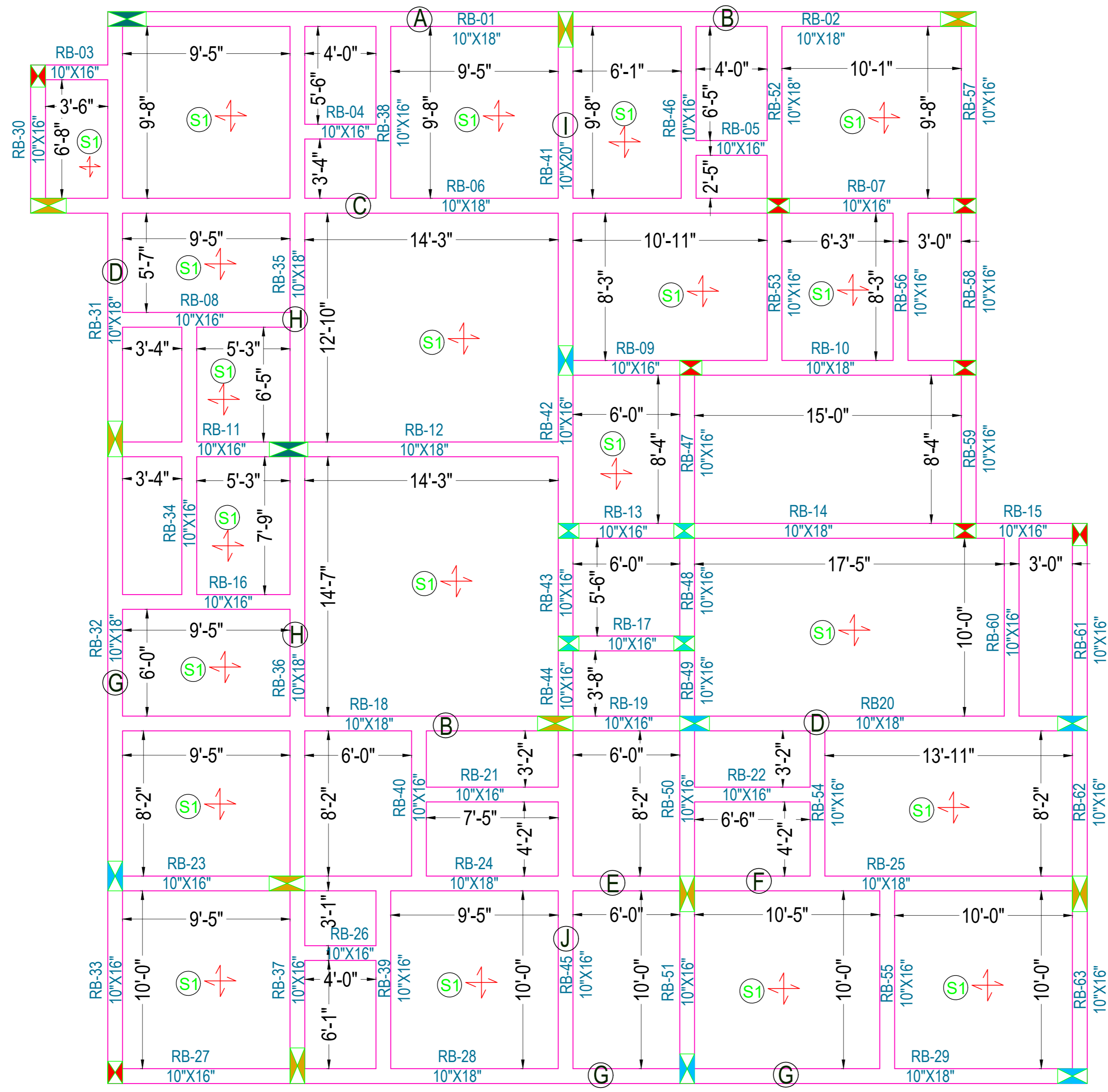
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 DWG NO: 20

DRAWING TITLE:-
FIRST ROOF BEAM SHUTTERING PLAN & DETAILING

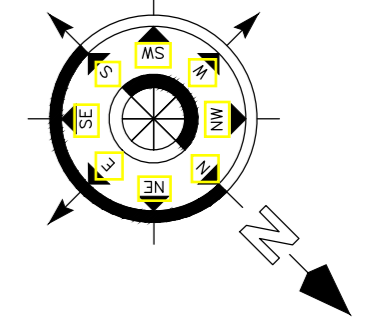
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SECOND FLOOR ROOF BEAM SHUTTERING PLAN



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DESIGN:- ER. PABITRA

PROJECT TITLE:-
K.I.P SOUMYA

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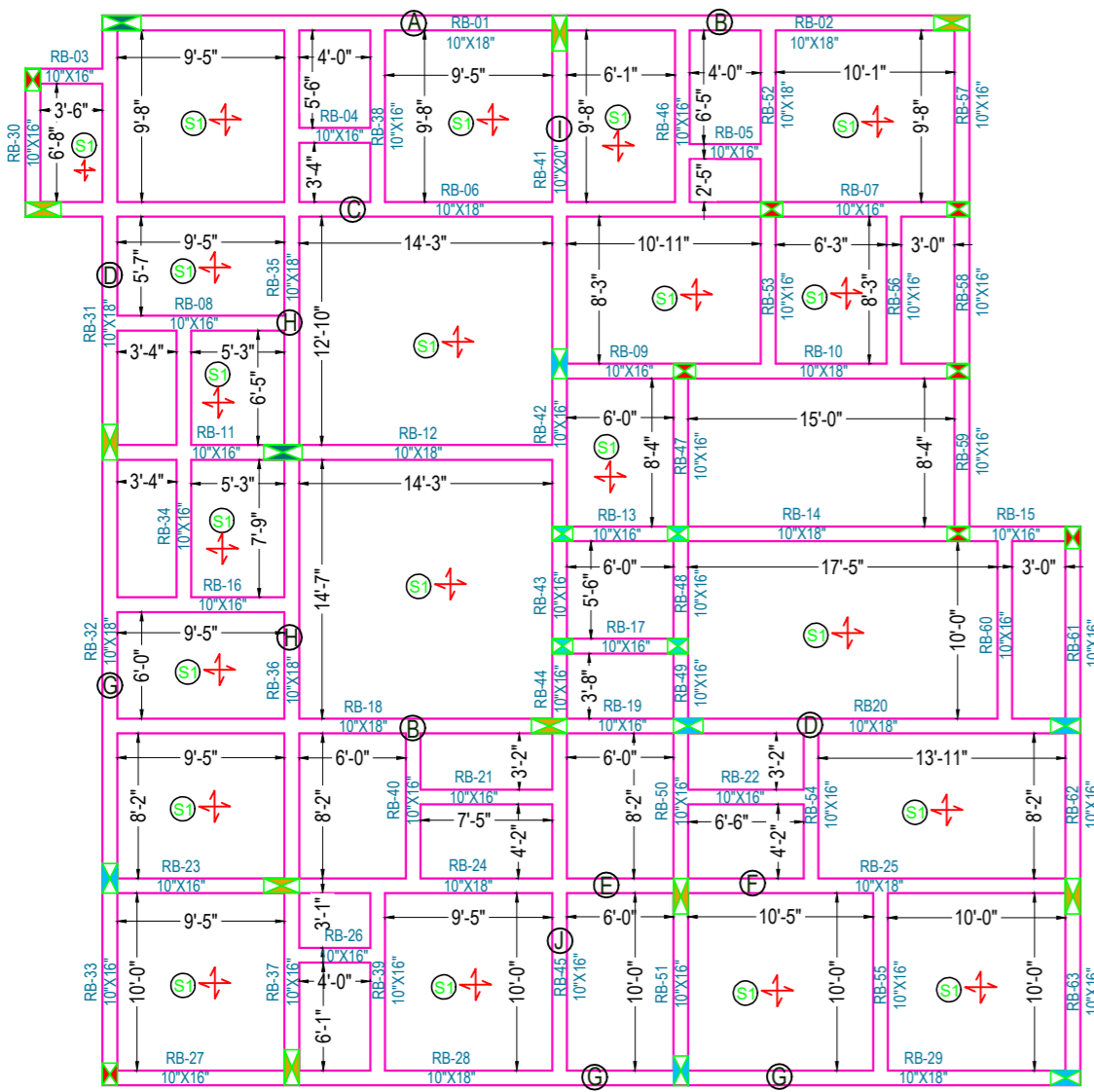
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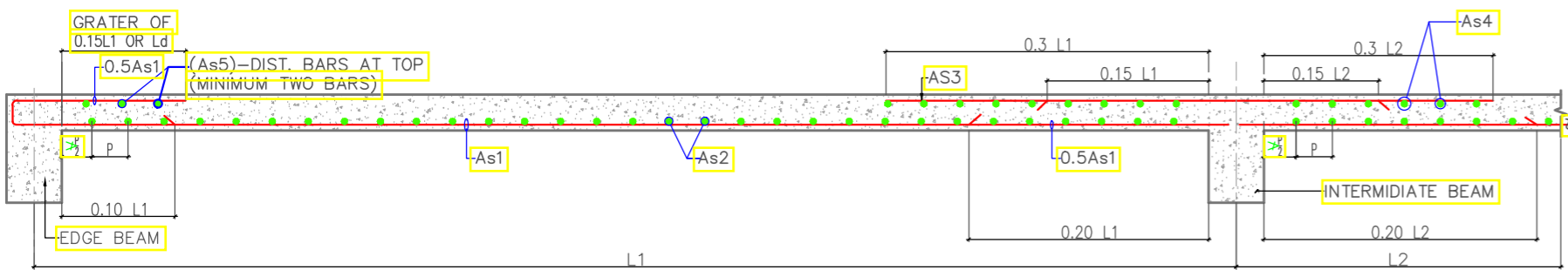
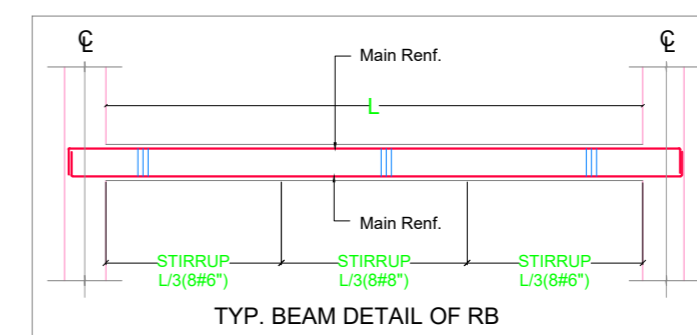
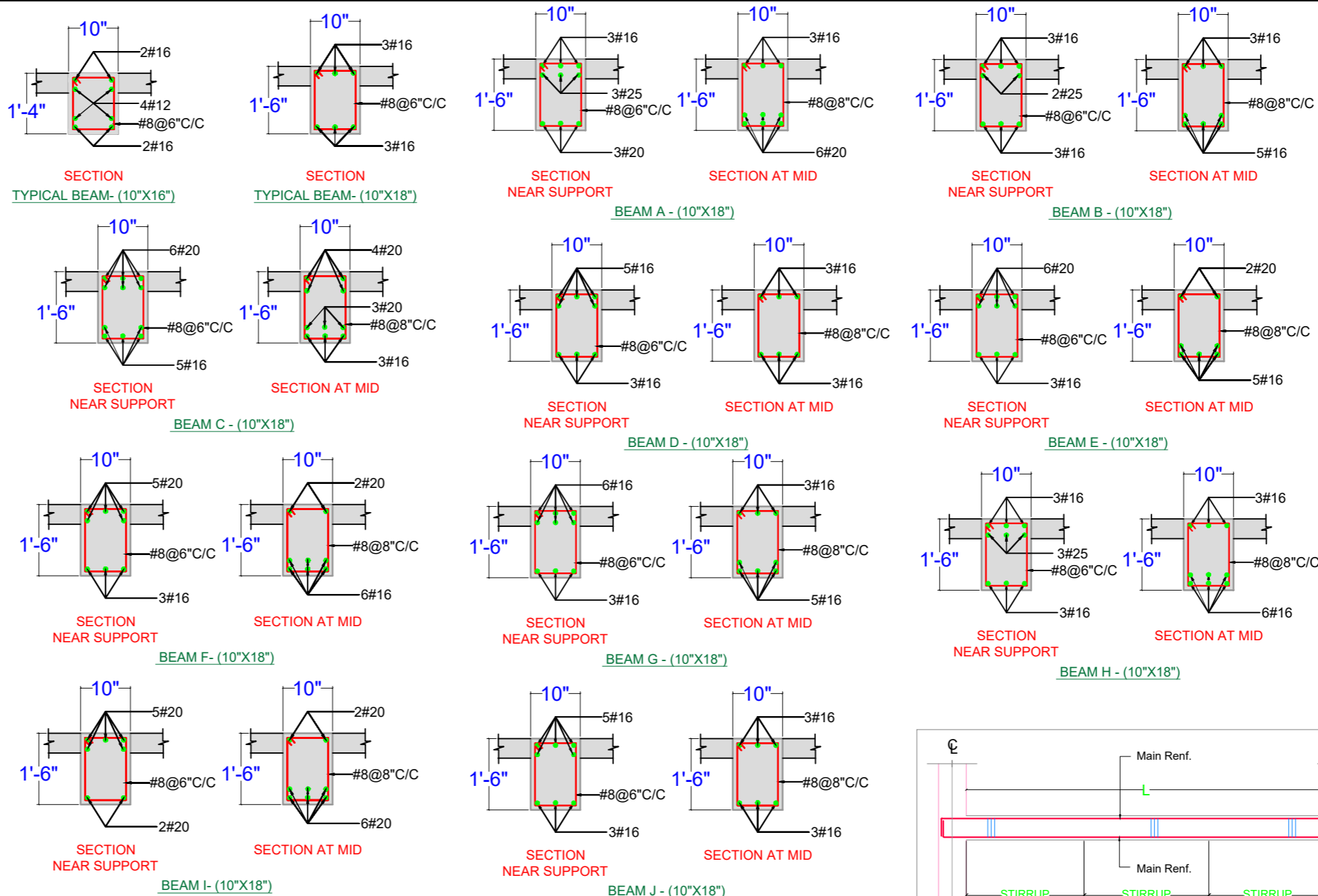

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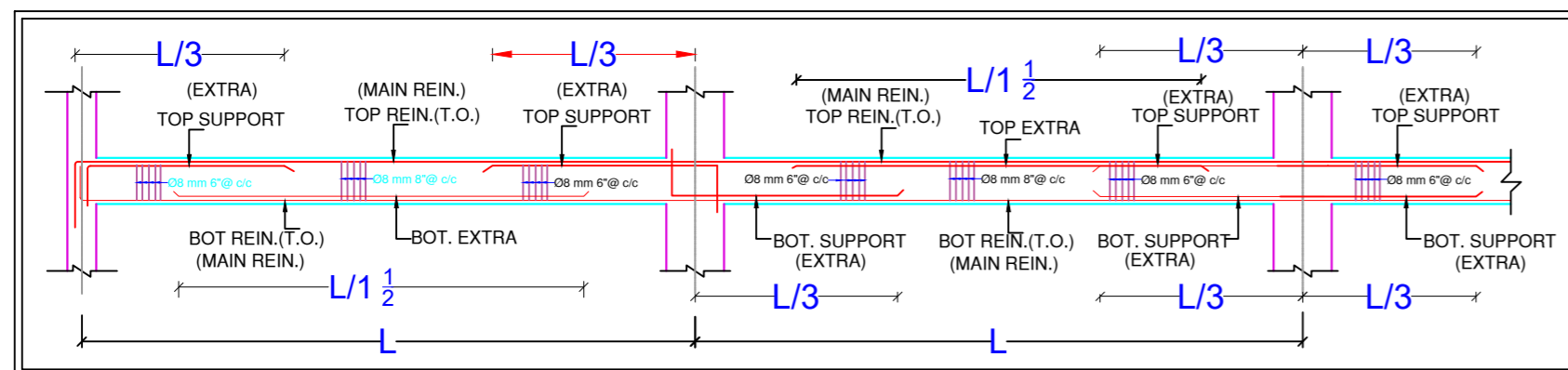


SECOND FLOOR ROOF BEAM SHUTTERING PLAN

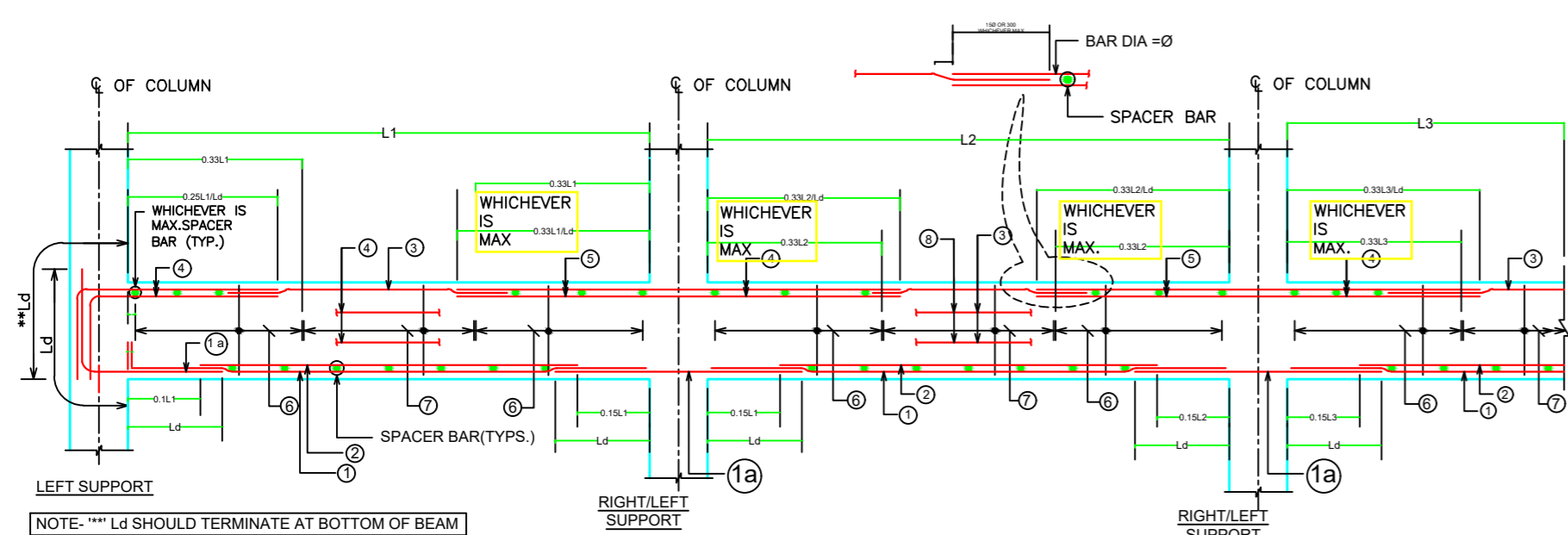


TYPICAL CURTAILMENT DETAIL OF REINFORCEMENT IN SLAB

As1 & As2 - BOTTOM REINF.
 As3 & As4 - TOP REINF. AT CONTINUOUS EDGE
 As5 - TOP REINF. AT DISCONTINUOUS EDGE



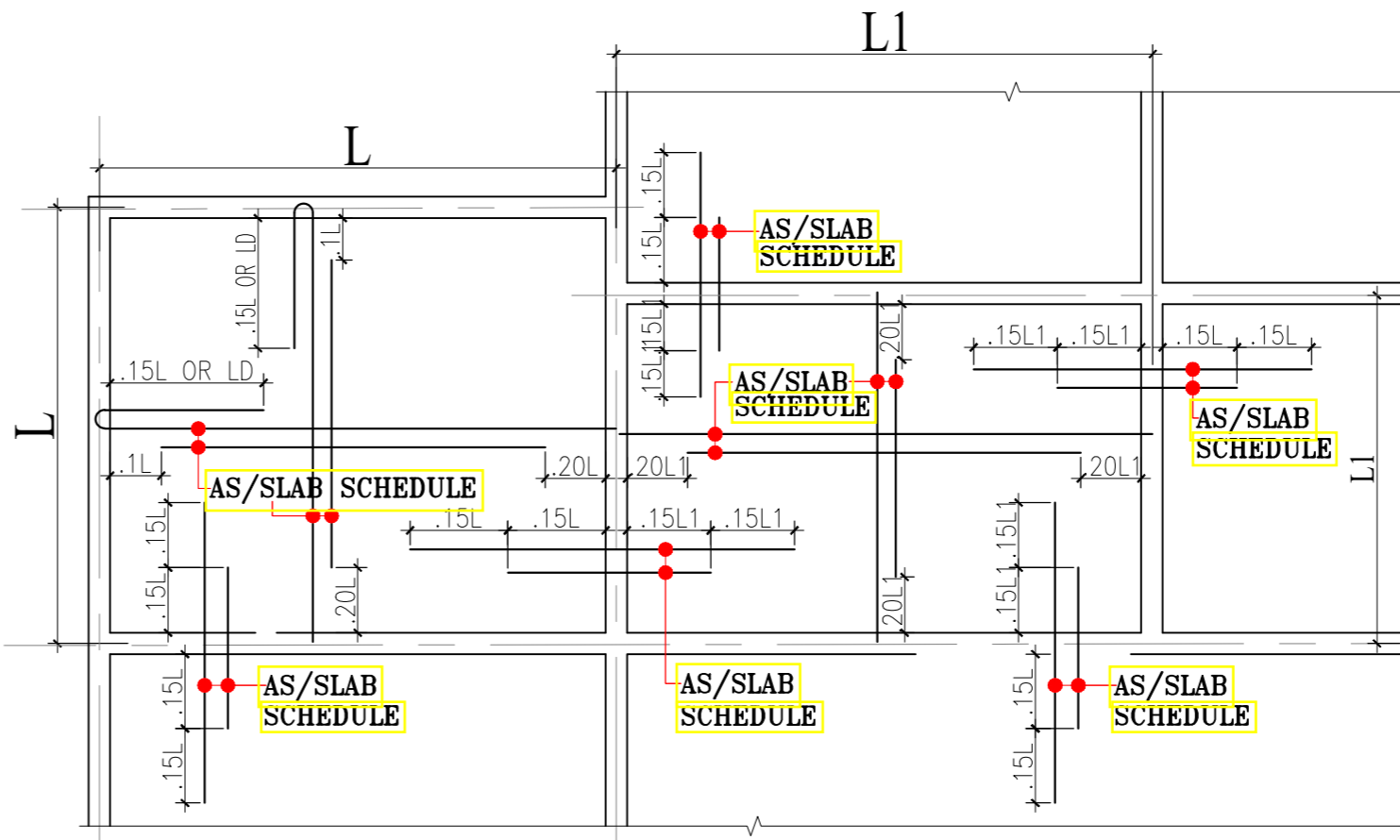
ARRANGEMENT OF REINFORCEMENT IN A BEAM



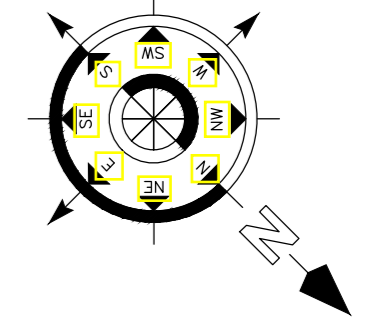
TYPICAL DETAILS OF CONTINUOUS BEAM

CONC. MIX. SHALL BE M-25 FOR SLAB

SLAB NO.	DEPTH	REINFORCEMENT			
		SPAN(As1/As2)		SUPPORT(As3/As4/As5)	
		SHORTER SPAN	LONGER SPAN	SHORTER SPAN	LONGER SPAN
S1	5"	T8@6"C/C	T8@6"C/C	T8@6"C/C	T8@6"C/C



TYPICAL DETAILS OF SLAB SHOWING REINFORCEMENT



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SIGNATURE :-

DRAWN:- AR. DHANESHWARI
DESIGN:- ER. PABITRA

PROJECT TITLE:-
K.I.P SOUMYA

STATUS:
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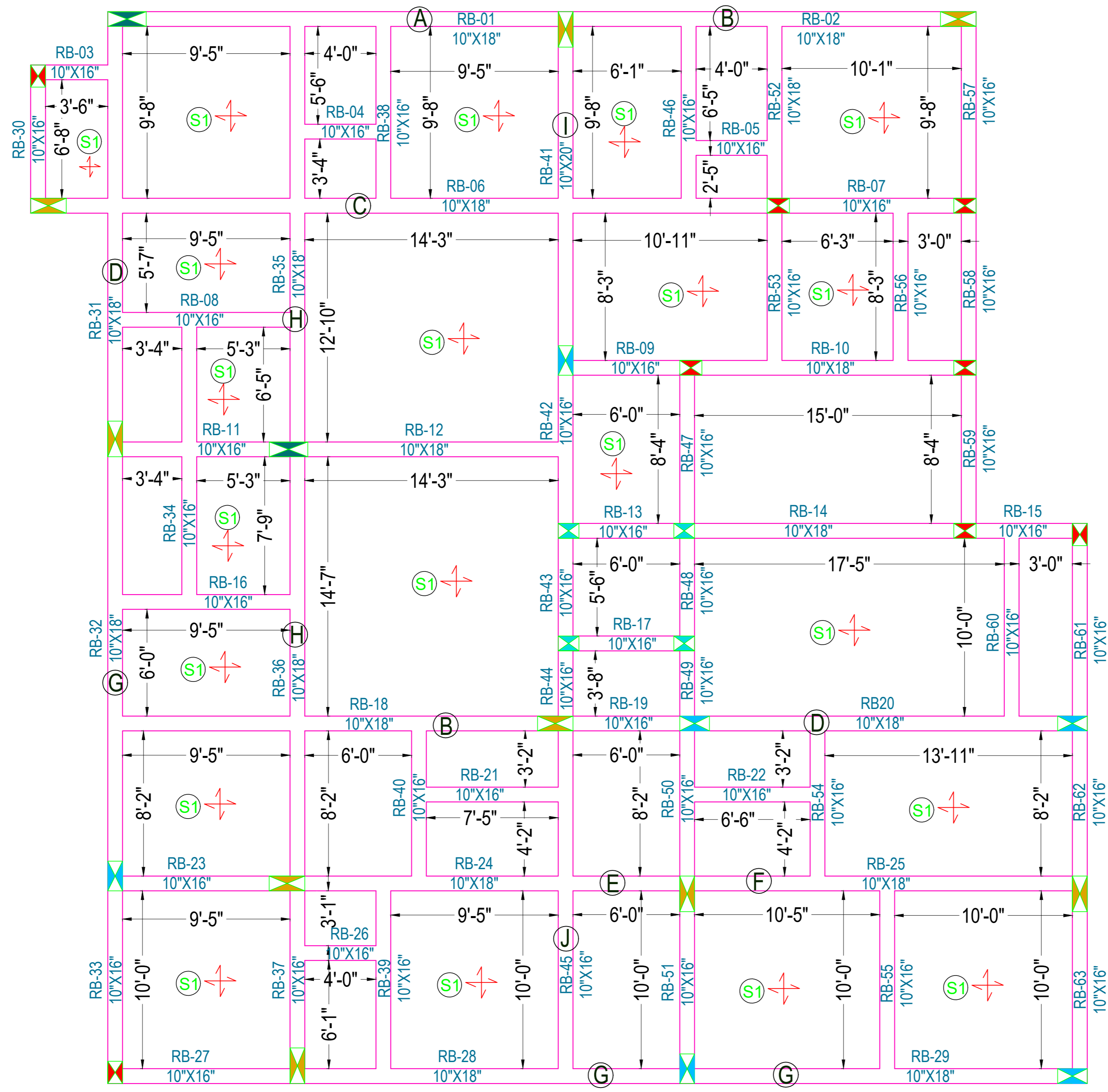
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SCALE: NTS
DWG NO: 22

DRAWING TITLE:-
SECOND FLOOR ROOF BEAM SHUTTERING PLAN & DETAILING

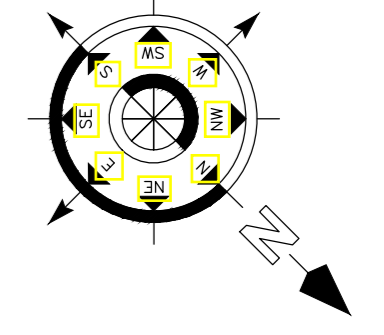
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THIRD FLOOR ROOF BEAM SHUTTERING PLAN



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 - THE LAP SHALL BE STAGGERED AND AVOIDED AT THE POINT OF MAXIMUM BENDING MOMENT.
 - ALL DIMENSION & LEVEL ARE IN FEET-INCH.

SIGNATURE :-

DRAWN:-	AR. DHANESHWARI
DESIGN:-	ER. PABITRA

PROJECT TITLE:-
K.I.P SOUMYA

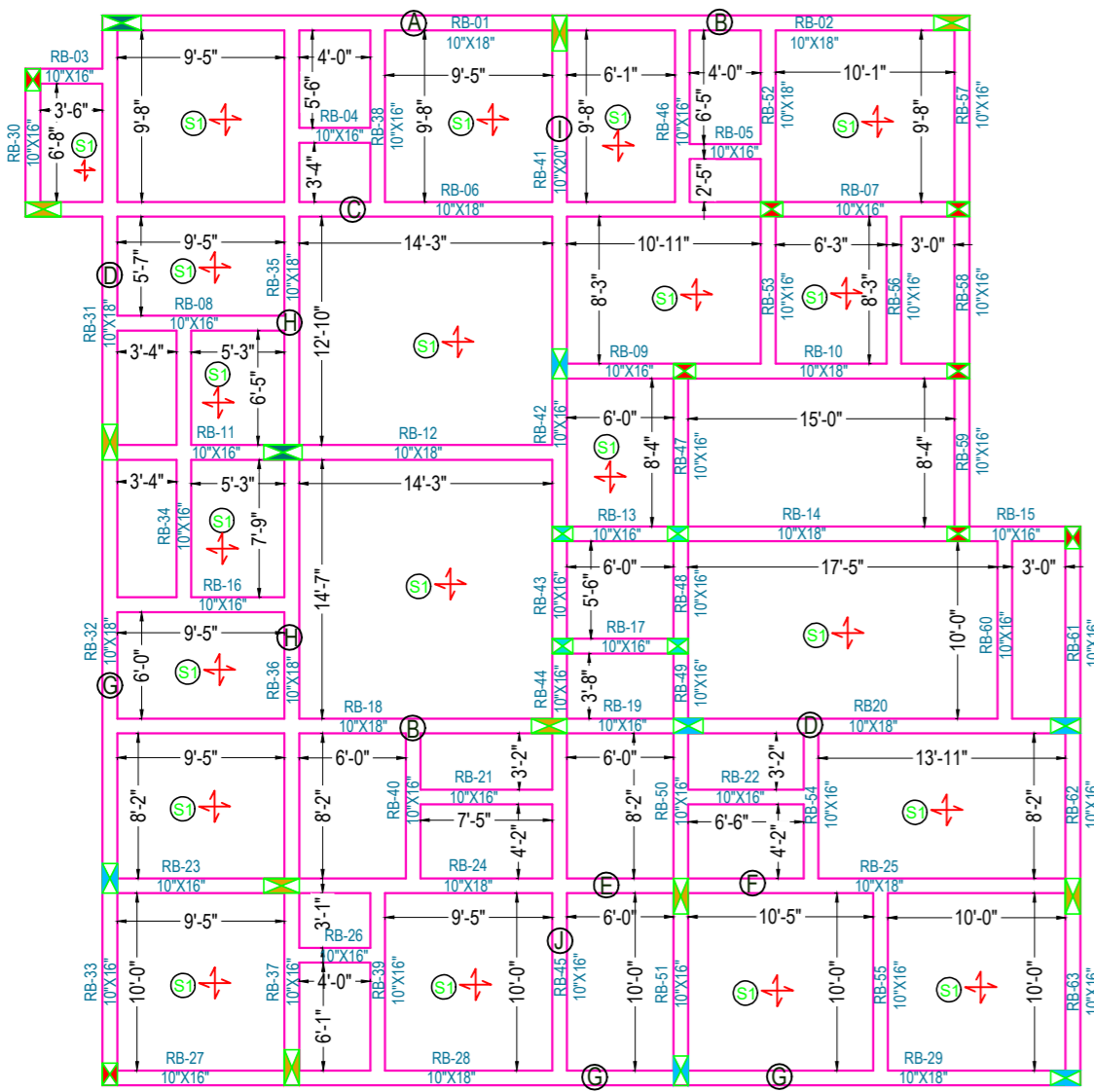
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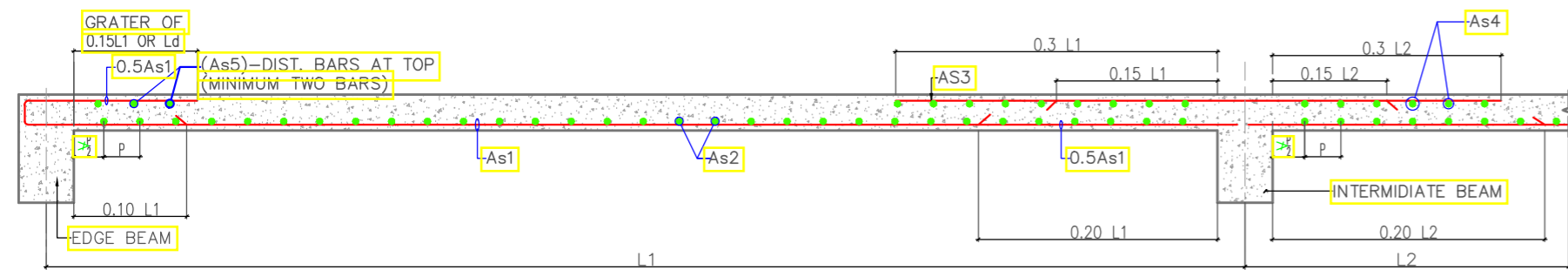
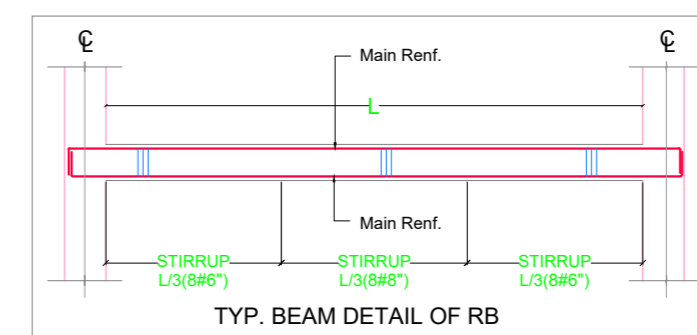
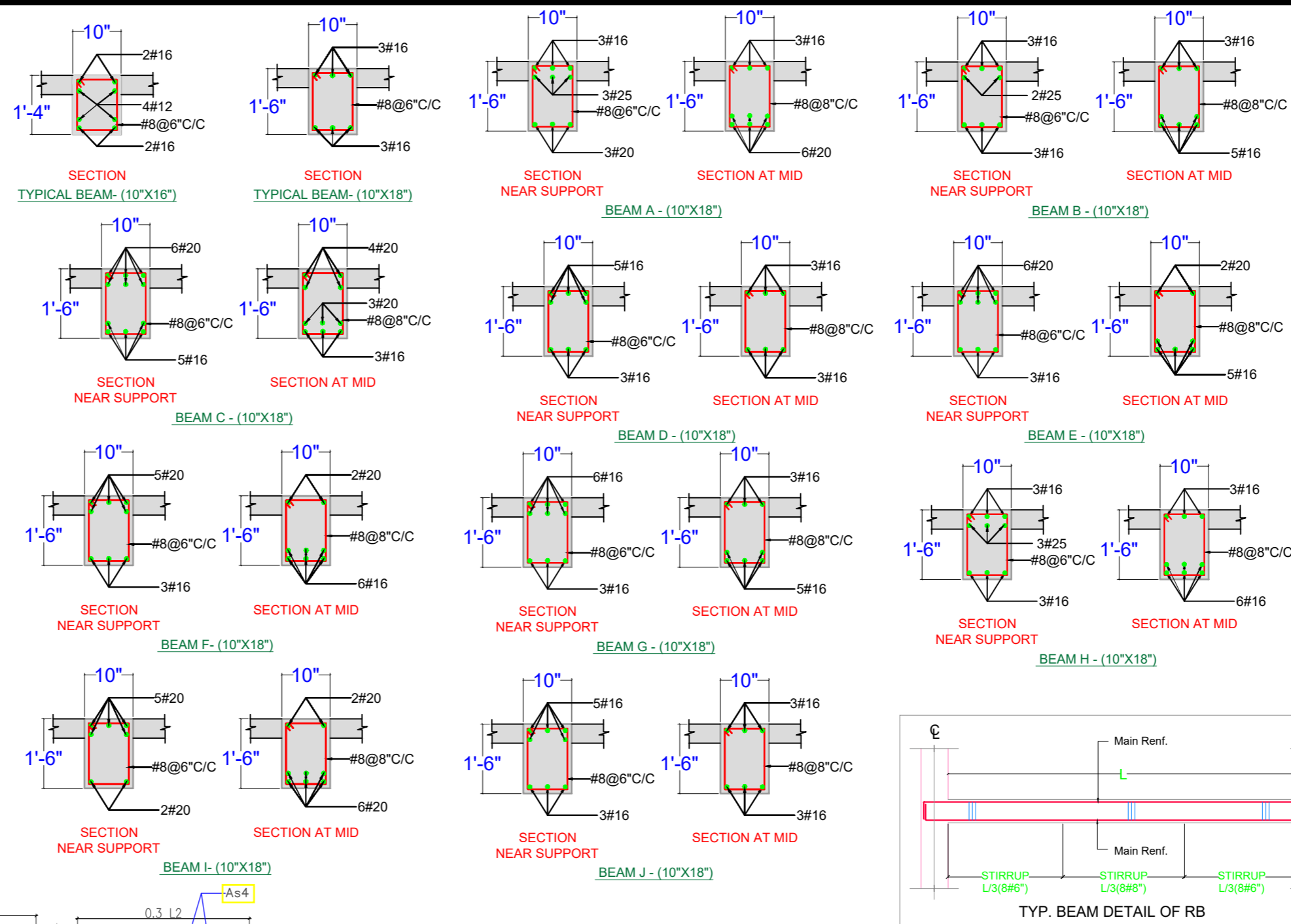
DRAWING TITLE:-
**THIRD FLOOR
ROOF BEAM
SHUTTERING PLAN**

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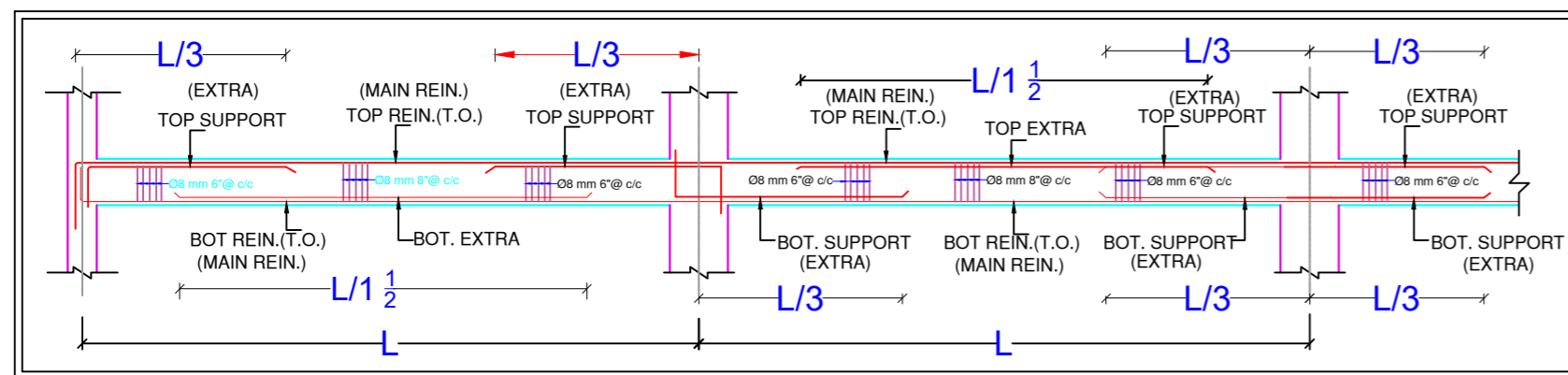


THIRD FLOOR ROOF BEAM SHUTTERING PLAN

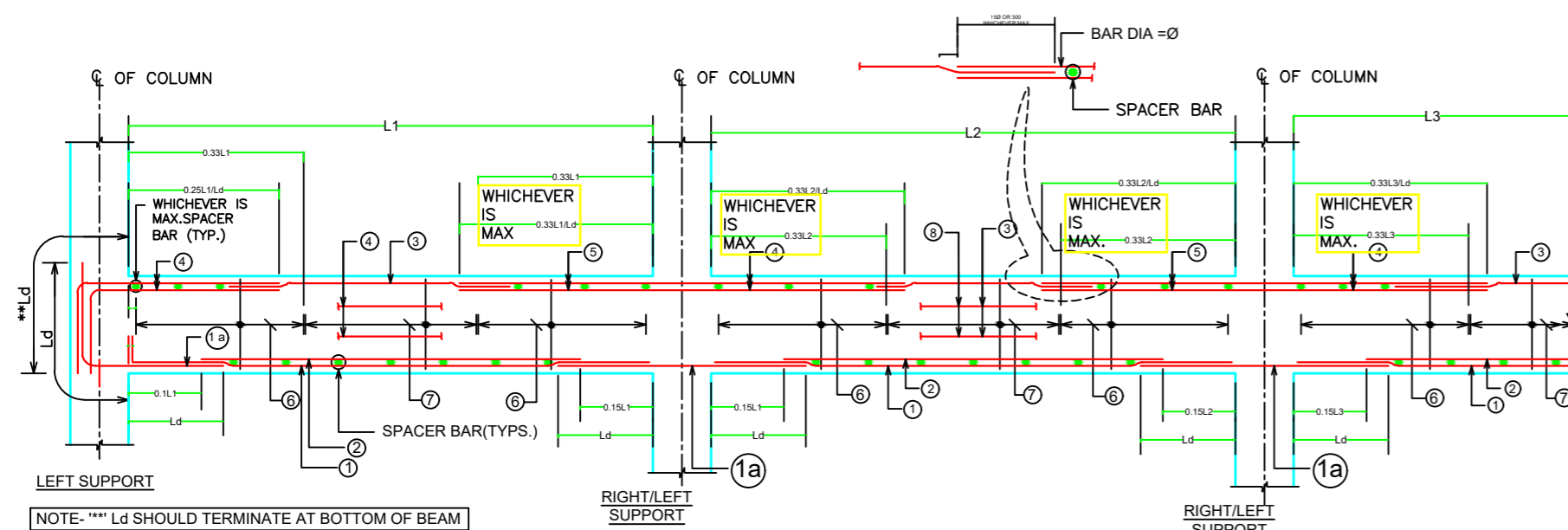


TYPICAL CURTAILMENT DETAIL OF REINFORCEMENT IN SLAB

As1 & As2 - BOTTOM REINF.
 As3 & As4 - TOP REINF. AT CONTINUOUS EDGE
 As5 - TOP REINF. AT DISCONTINUOUS EDGE



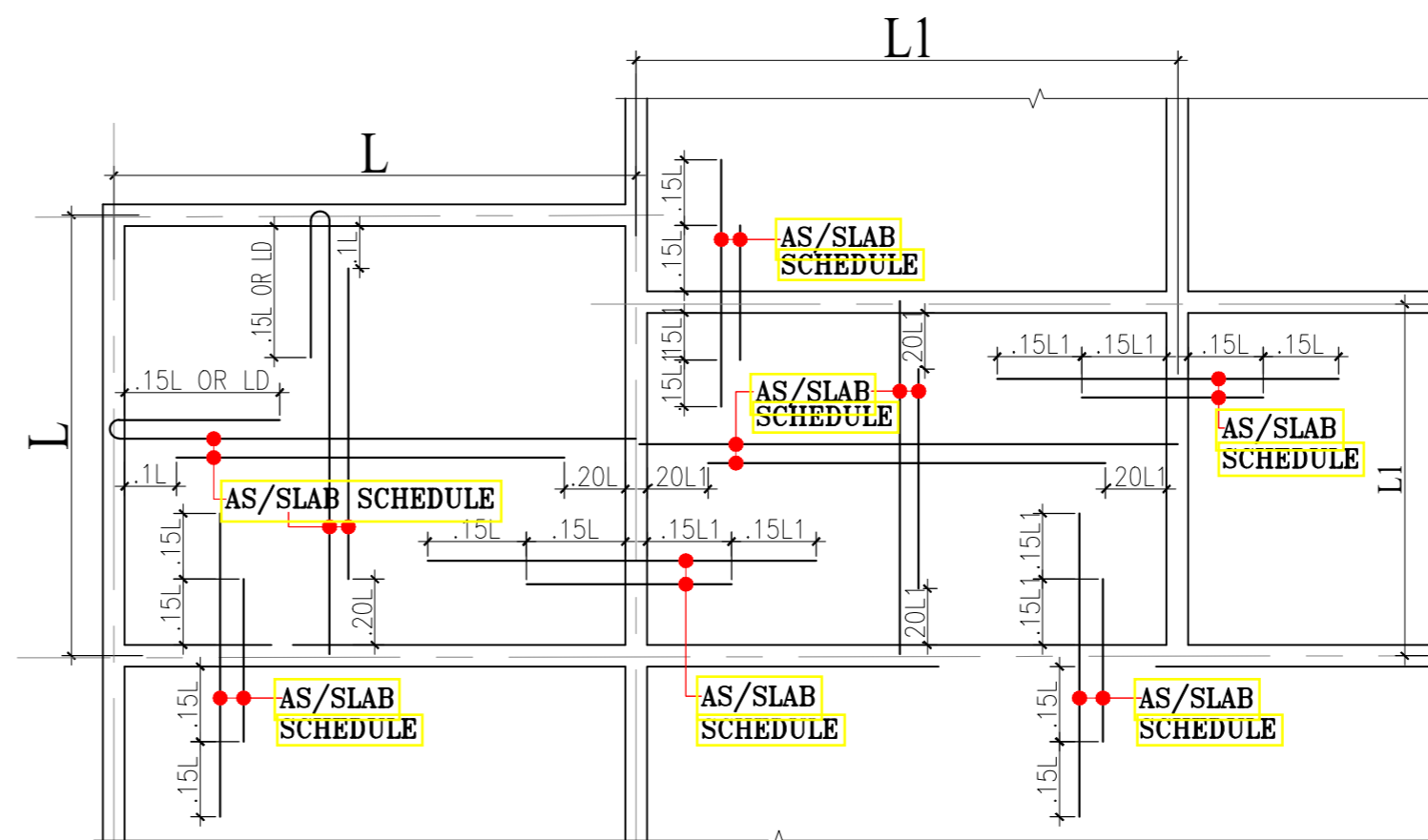
ARRANGEMENT OF REINFORCEMENT IN A BEAM



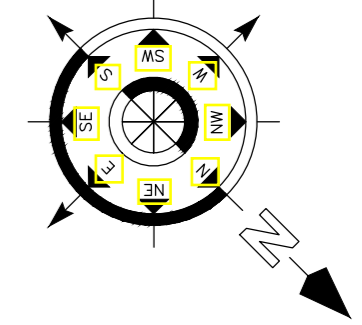
TYPICAL DETAILS OF CONTINUOUS BEAM

CONC. MIX. SHALL BE M-25 FOR SLAB

SLAB NO.	DEPTH	REINFORCEMENT			
		SPAN(As1/As2)		SUPPORT(As3/As4/As5)	
		SHORTER SPAN	LONGER SPAN	SHORTER SPAN	LONGER SPAN
S1	5"	T8@6"C/C	T8@6"C/C	T8@6"C/C	T8@6"C/C



TYPICAL DETAILS OF SLAB SHOWING REINFORCEMENT



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DRAWN:- AR. DHANESHWARI

DESIGN:- ER. PABITRA

PROJECT TITLE:-

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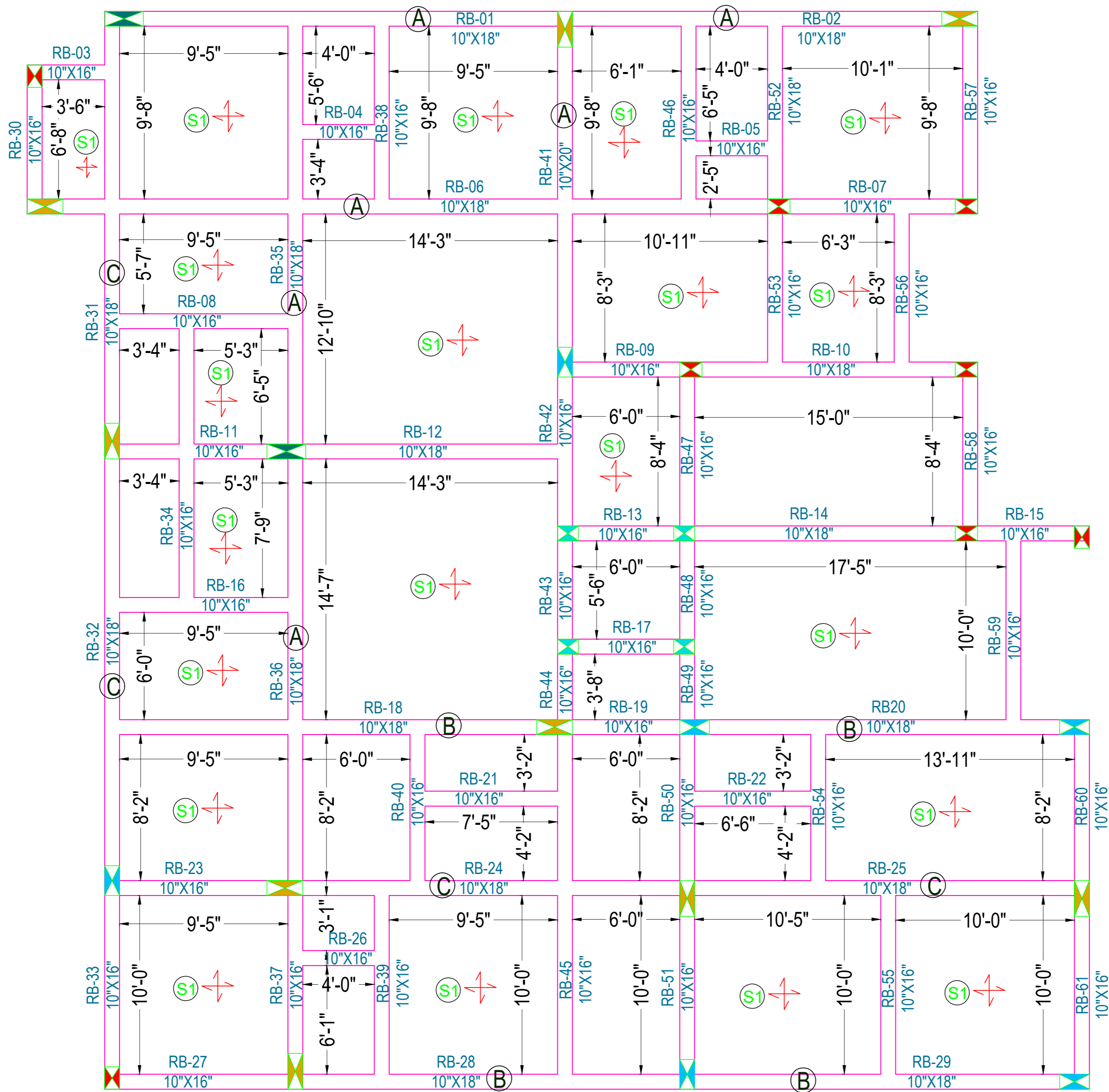
THIRD FLOOR ROOF BEAM SHUTTERING PLAN & DETAILING



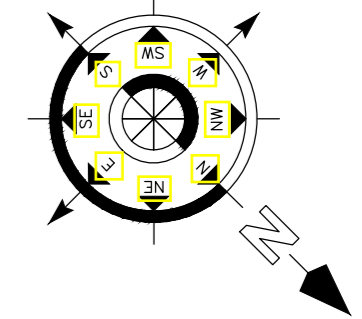
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FOURTH FLOOR ROOF BEAM SHUTTERING PLAN



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DRAWN:- AR. DHANESHWARI

DESIGN:- ER. PABITRA

PROJECT TITLE:-

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STATUS:

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DATE: 04-05-2022

SCALE: NTS

DWG NO: 25

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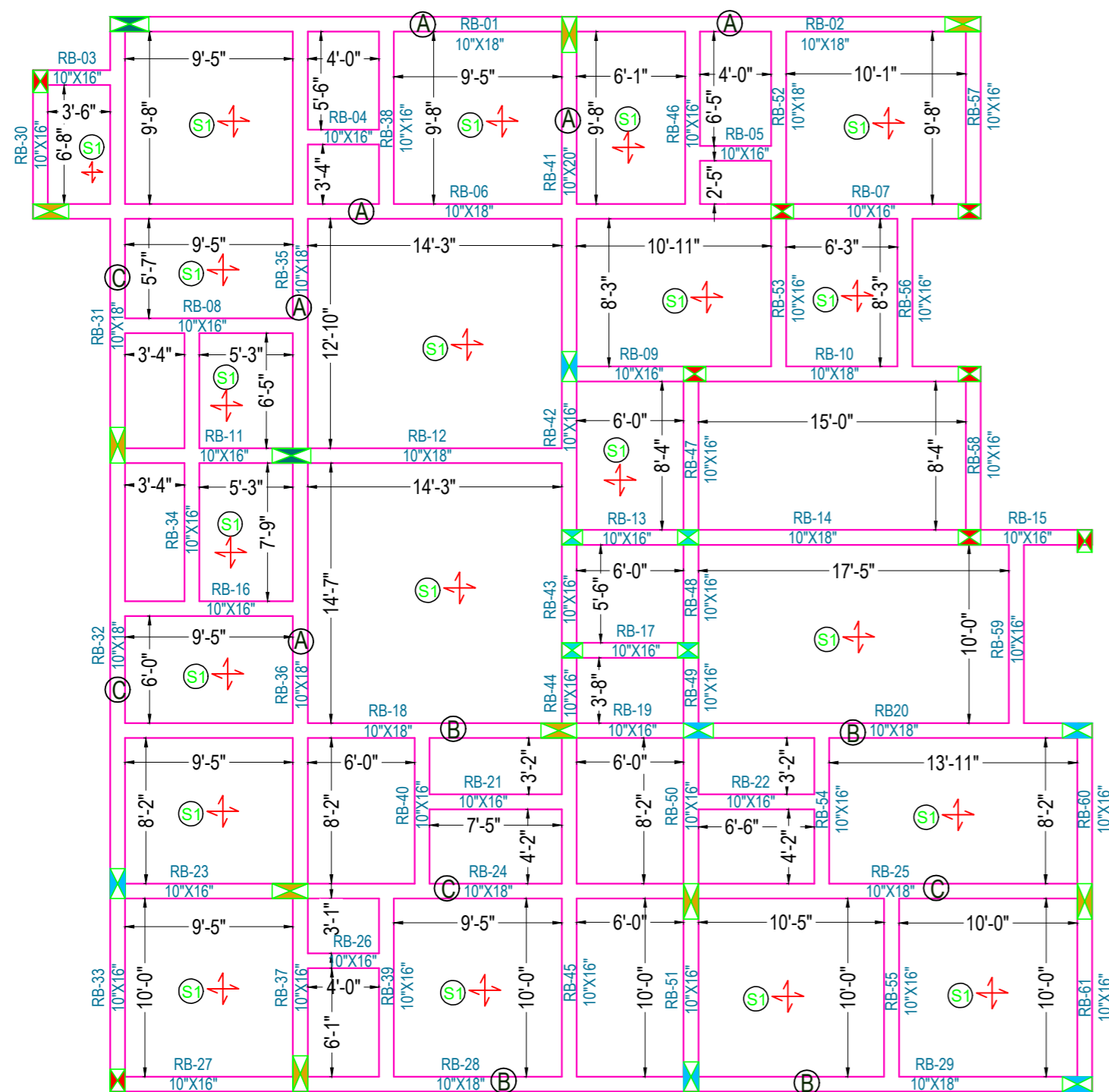
**FOURTH FLOOR
ROOF BEAM
SHUTTERING PLAN**



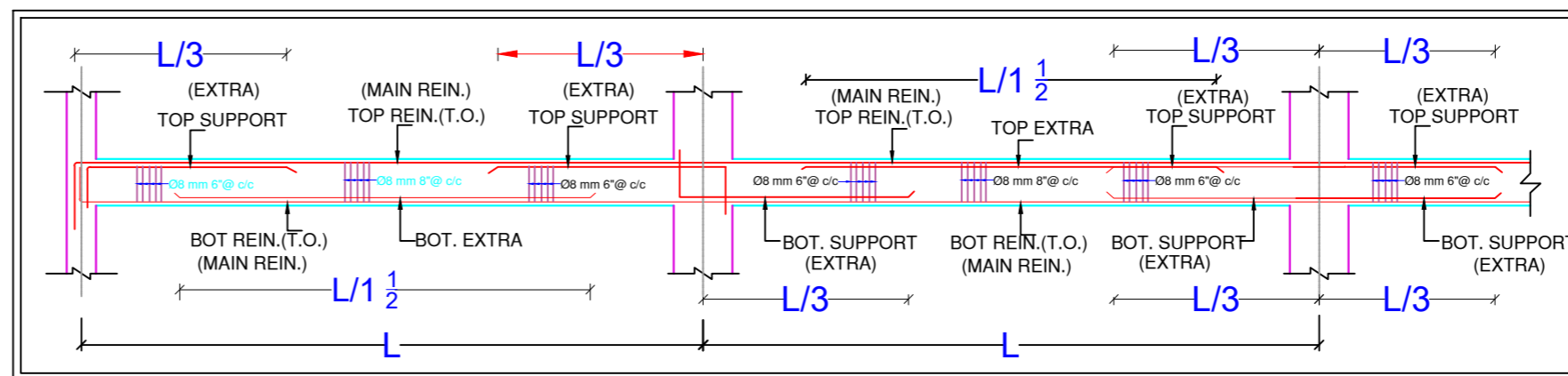
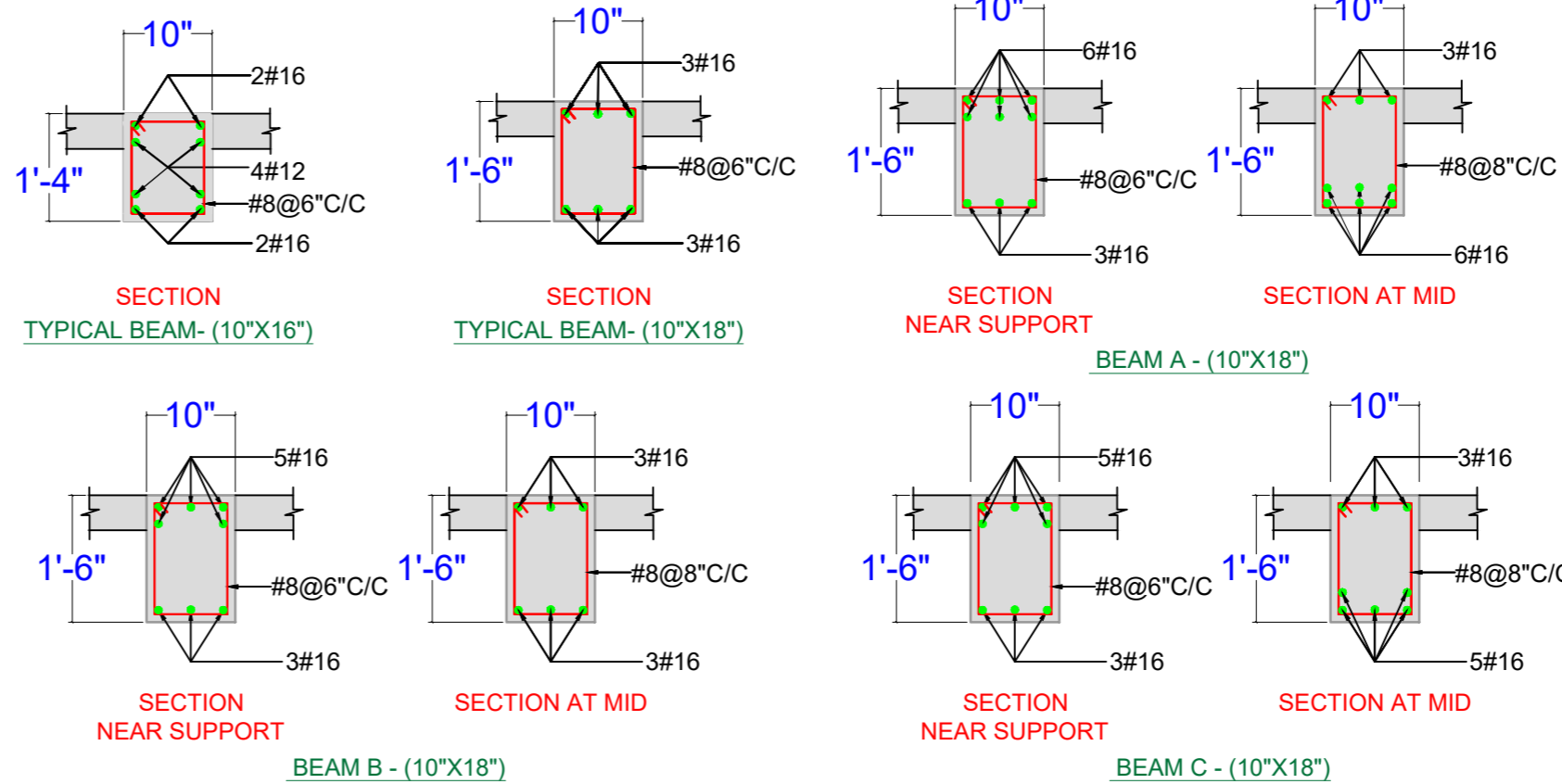
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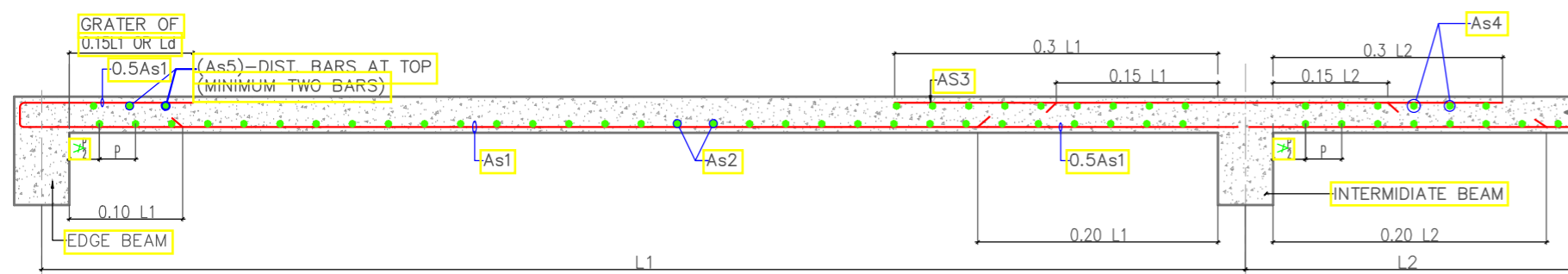
FOURTH FLOOR ROOF BEAM SHUTTERING PLAN



ARRANGEMENT OF REINFORCEMENT IN A BEAM

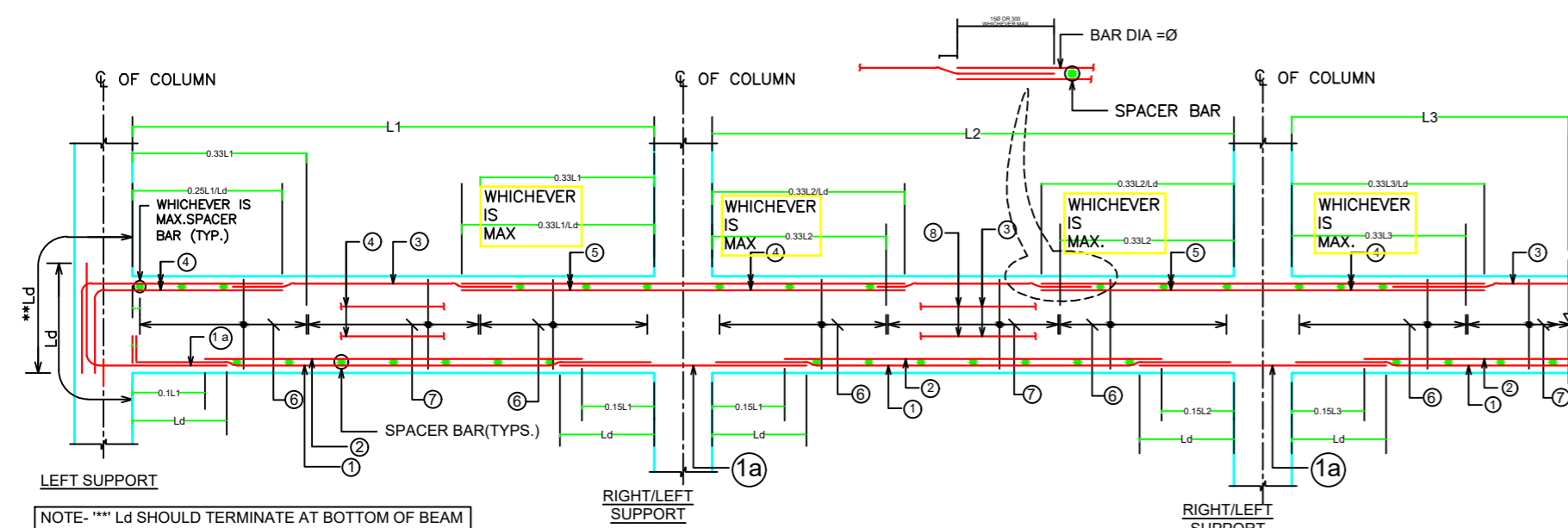
CONC. MIX. SHALL BE M-25 FOR SLAB

SLAB NO.	DEPTH	REINFORCEMENT			
		SPAN(As1/As2)		SUPPORT(As3/As4/As5)	
		SHORTER SPAN	LONGER SPAN	SHORTER SPAN	LONGER SPAN
S1	5"	T8@6"C/C	T8@6"C/C	T8@6"C/C	T8@6"C/C

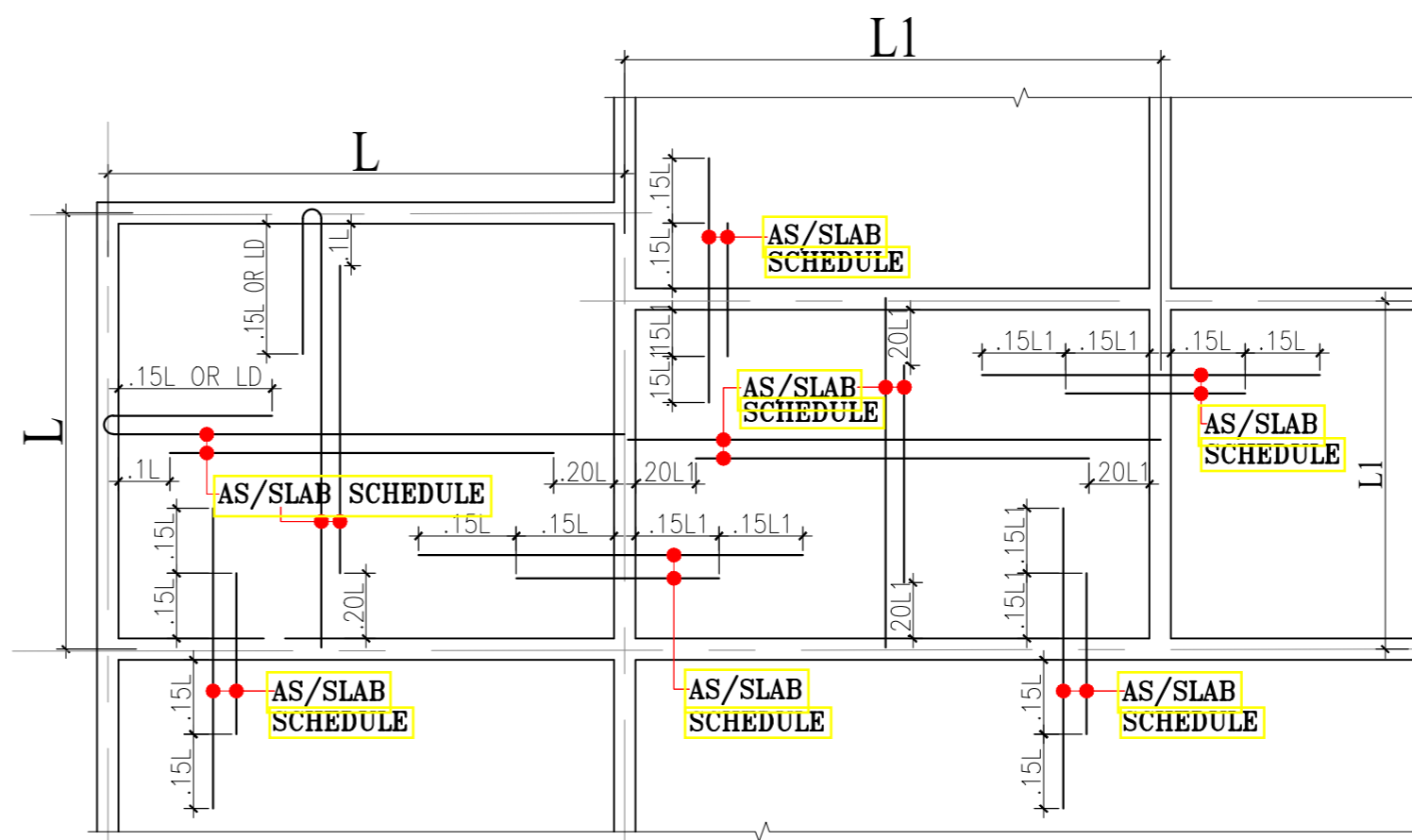


TYPICAL CURTAILMENT DETAIL OF REINFORCEMENT IN SLAB

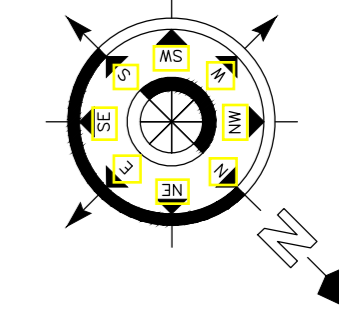
As1 & As2 - BOTTOM REINF.
As3 & As4 - TOP REINF. AT CONTINUOUS EDGE
As5 - TOP REINF. AT DISCONTINUOUS EDGE



TYPICAL DETAILS OF CONTINUOUS BEAM



TYPICAL DETAILS OF SLAB SHOWING REINFORCEMENT



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SIGNATURE :-

DRAWN:- AR. DHANESHWARI

DESIGN:- ER. PABITRA

PROJECT TITLE:-

K.I.P SOUMYA

STATUS:

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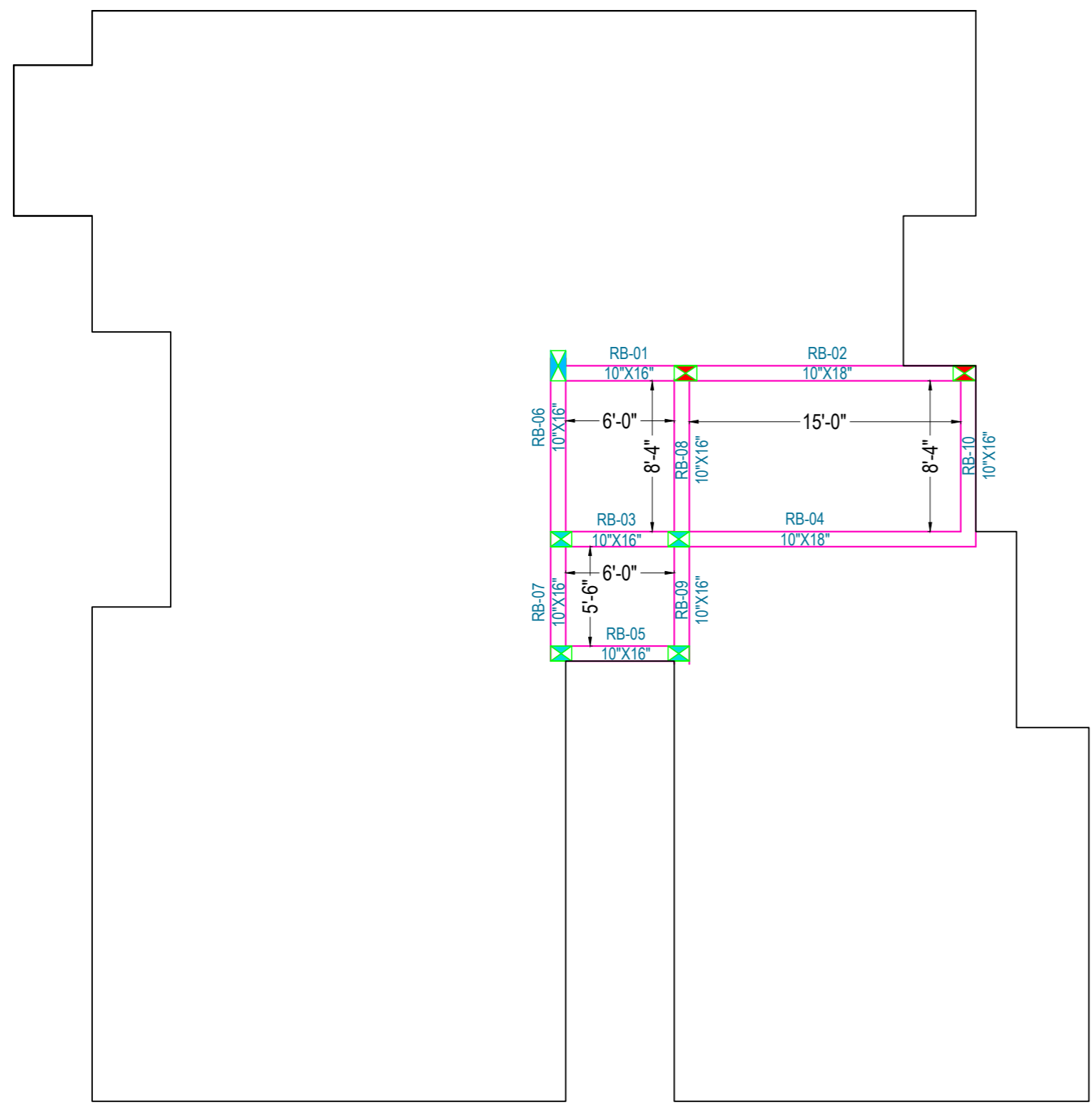
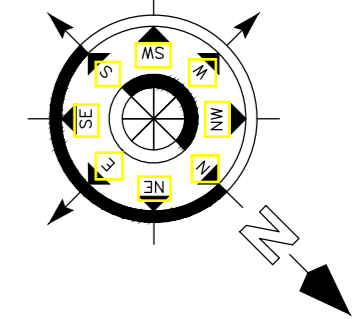
FOURTH FLOOR ROOF BEAM SHUTTERING PLAN & DETAILING



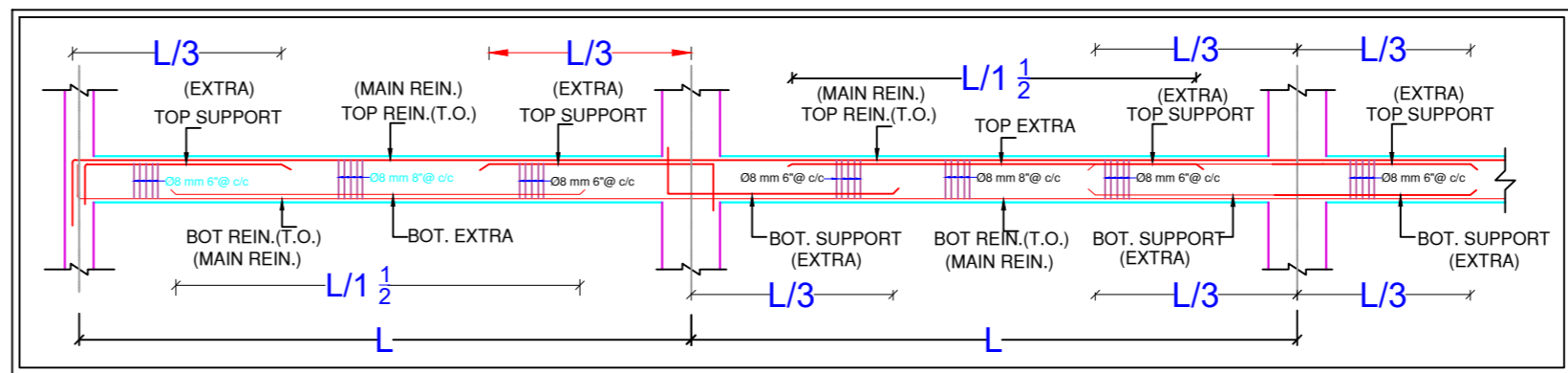
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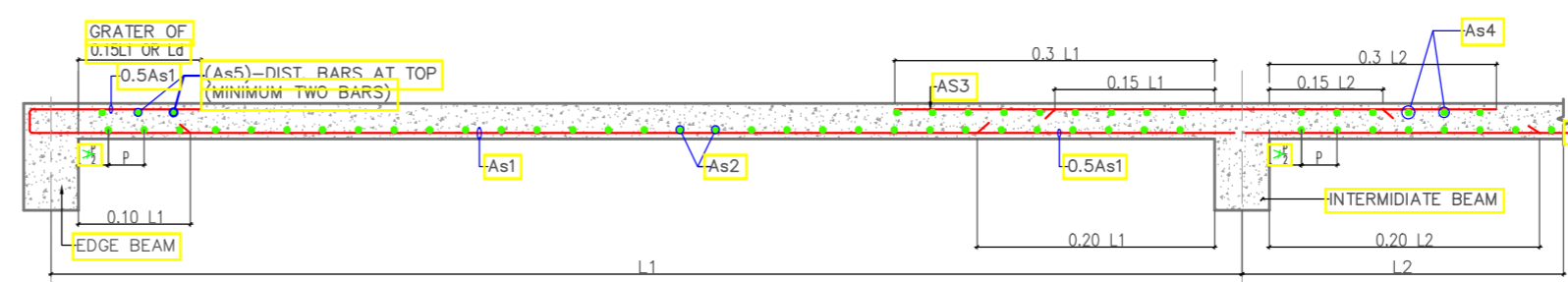
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MUMMTY FLOOR ROOF BEAM SHUTTERING PLAN



ARRANGEMENT OF REINFORCEMENT IN A BEAM

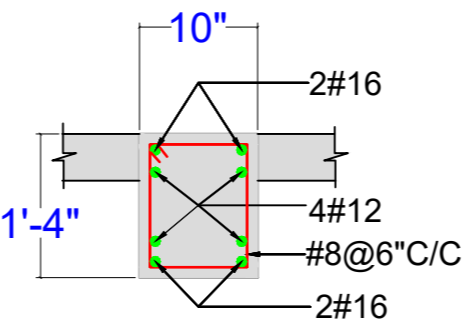


TYPICAL CURTAILMENT DETAIL OF REINFORCEMENT IN SLAB

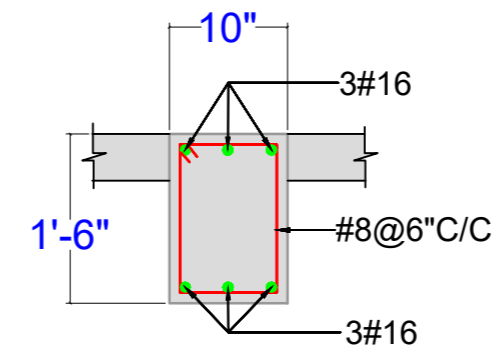
As1 & As2 - BOTTOM REINF.
As3 & As4 - TOP REINF. AT CONTINUOUS EDGE
As5 - TOP REINF. AT DISCONTINUOUS EDGE

CONC. MIX. SHALL BE M-25 FOR SLAB

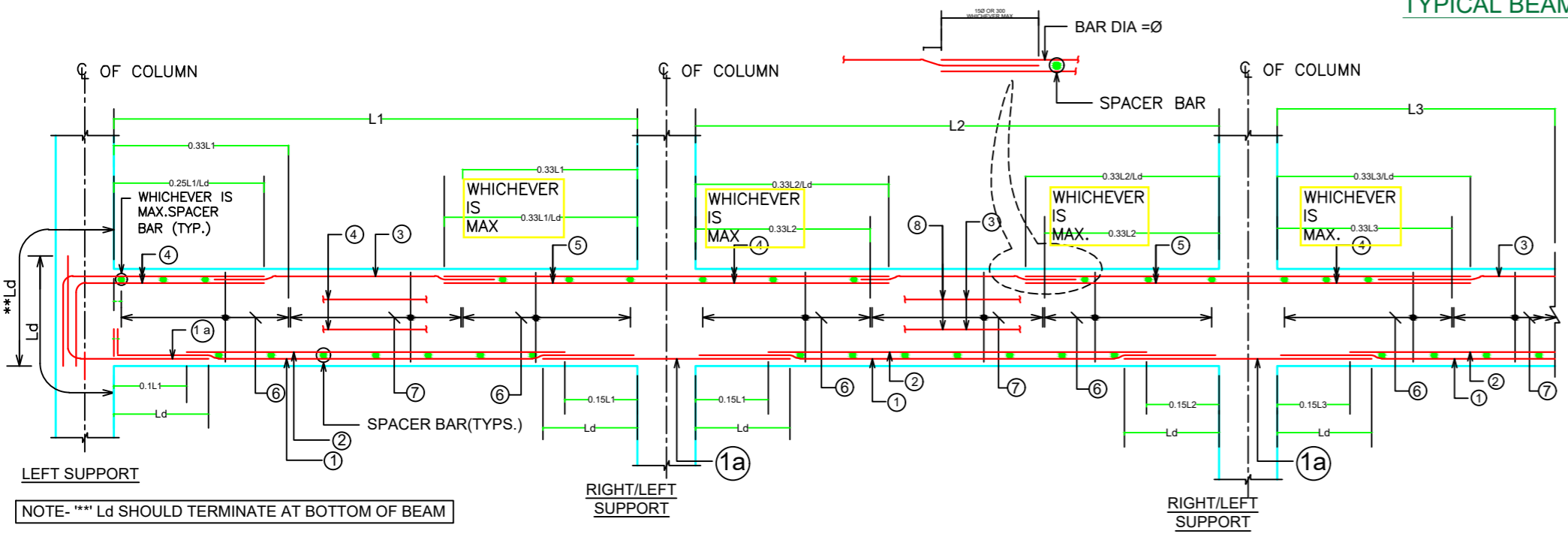
SLAB NO.	DEPTH	REINFORCEMENT			
		SPAN(As1/As2)		SUPPORT(As3/As4/As5)	
		SHORTER SPAN	LONGER SPAN	SHORTER SPAN	LONGER SPAN
S1	5"	T8@6"C/C	T8@6"C/C	T8@6"C/C	T8@6"C/C



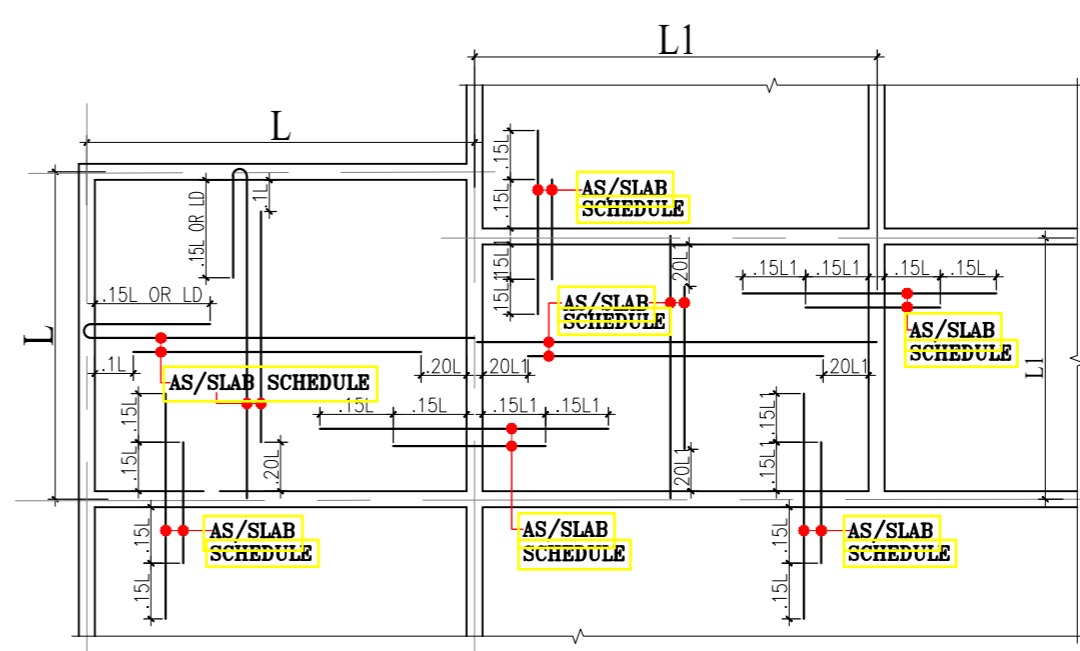
SECTION TYPICAL BEAM- (10'X16")



SECTION TYPICAL BEAM- (10'X18")



TYPICAL DETAILS OF CONTINUOUS BEAM



TYPICAL DETAILS OF SLAB SHOWING REINFORCEMENT

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SIGNATURE :-

DRAWN:- AR. DHANESHWARI
DESIGN:- ER. PABITRA

PROJECT TITLE:-
K.I.P SOUMYA

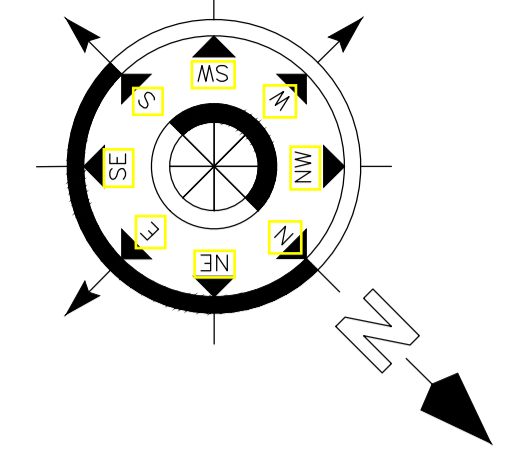
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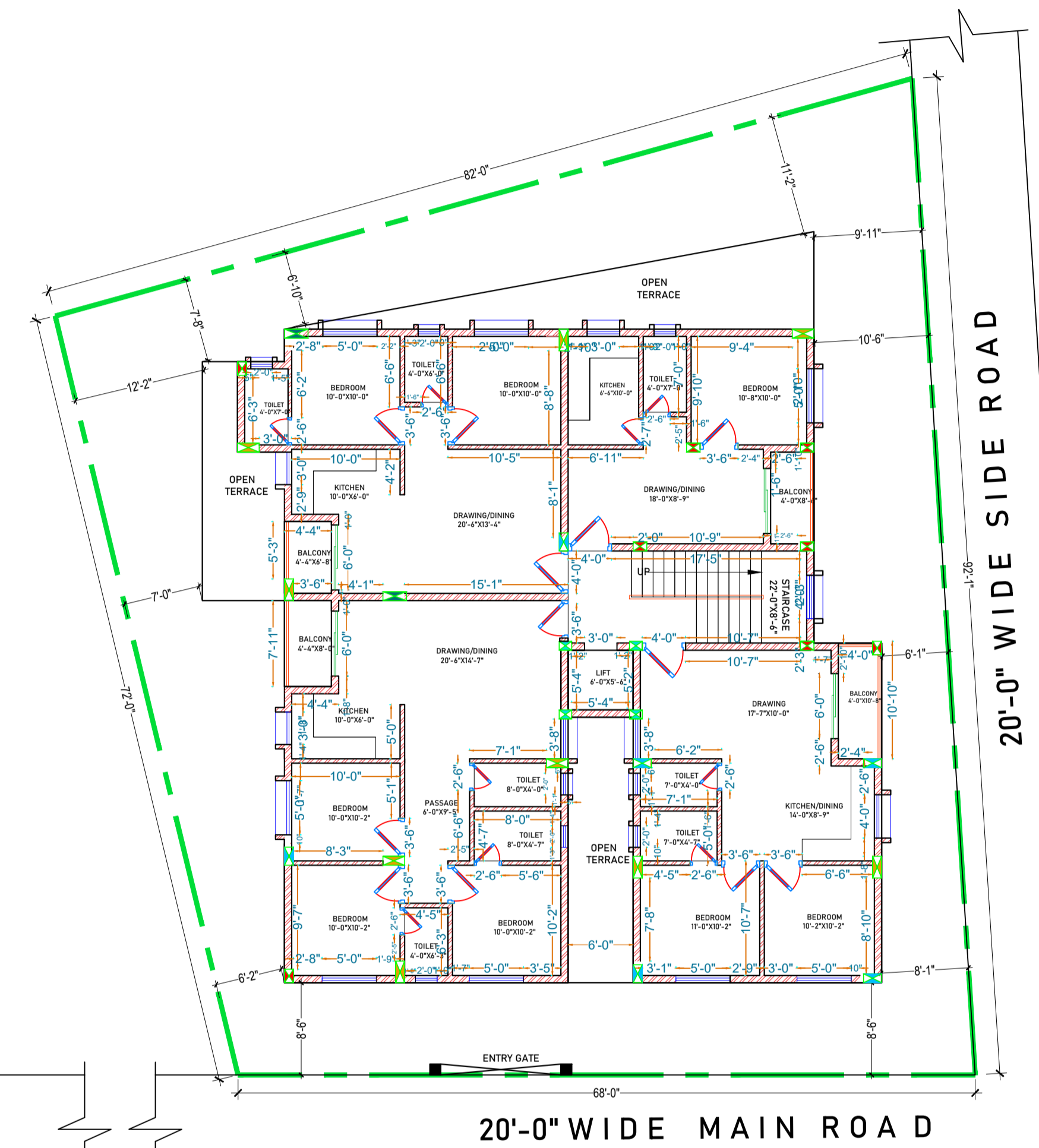
DRAWING TITLE:-
MUMMTY FLOOR ROOF BEAM

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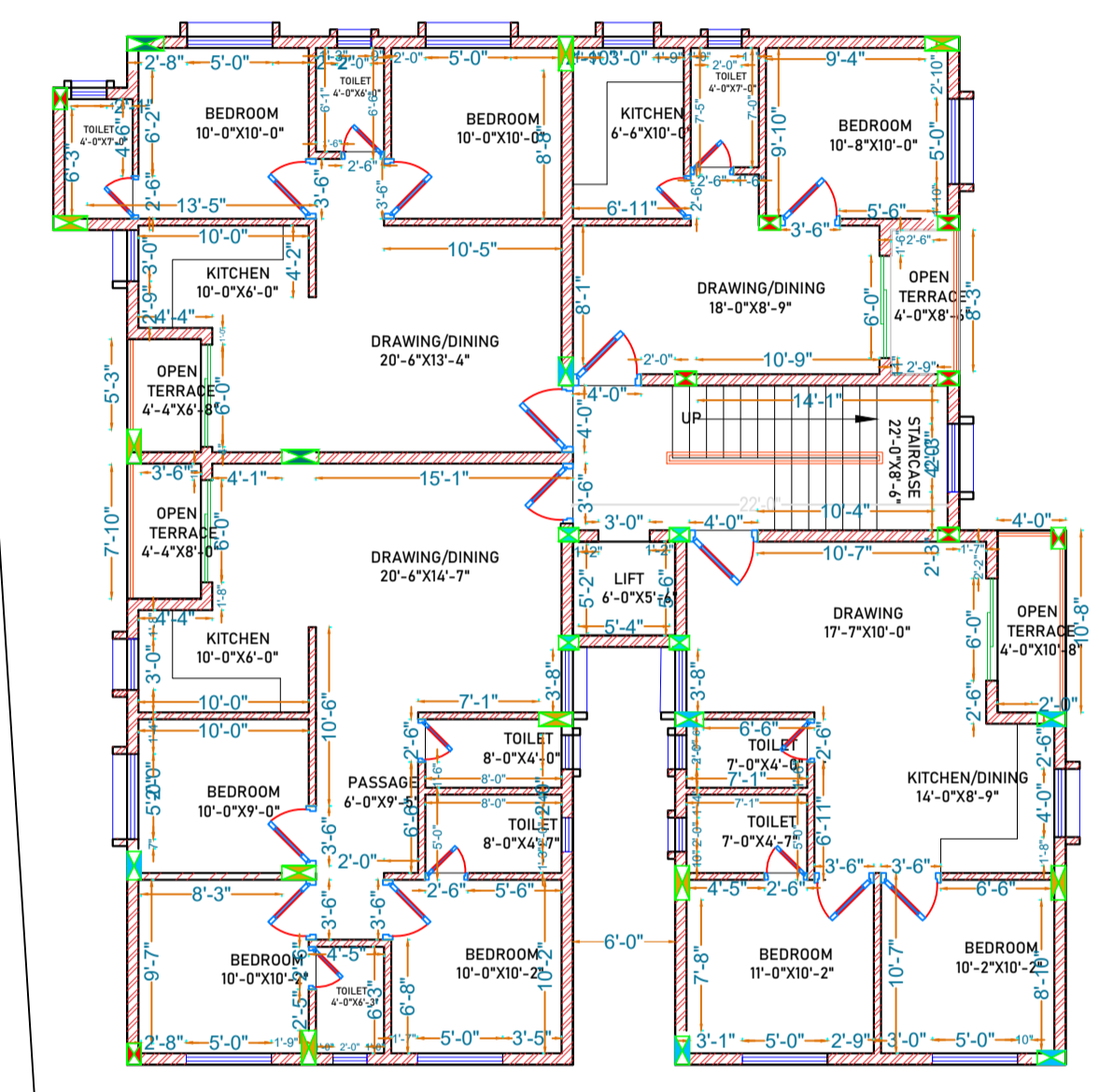
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STILT FLOOR AREA
STILT ROOF AREA - 3527 SFT



TYPICAL FLOOR PLAN (1ST TO 3RD)
STILT ROOF AREA - 3527 SFT
BUILDING AREA - 3029SFT



4TH FLOOR PLAN
AREA - 3029SFT

BRICK WORK DRAWING

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DESIGN:-	ER. PABITRA

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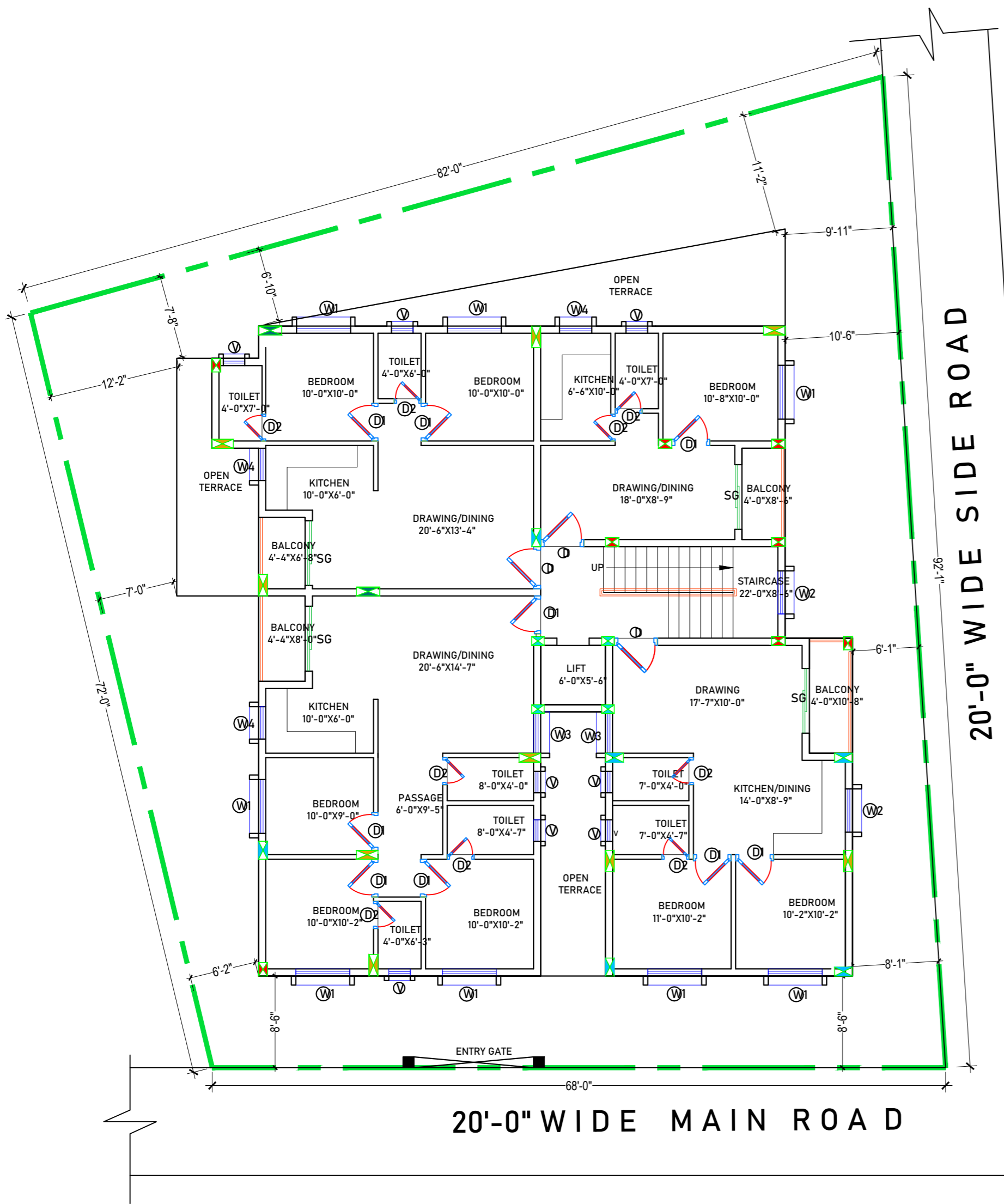
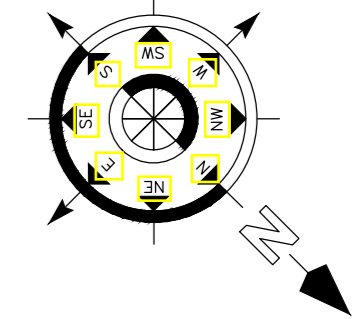
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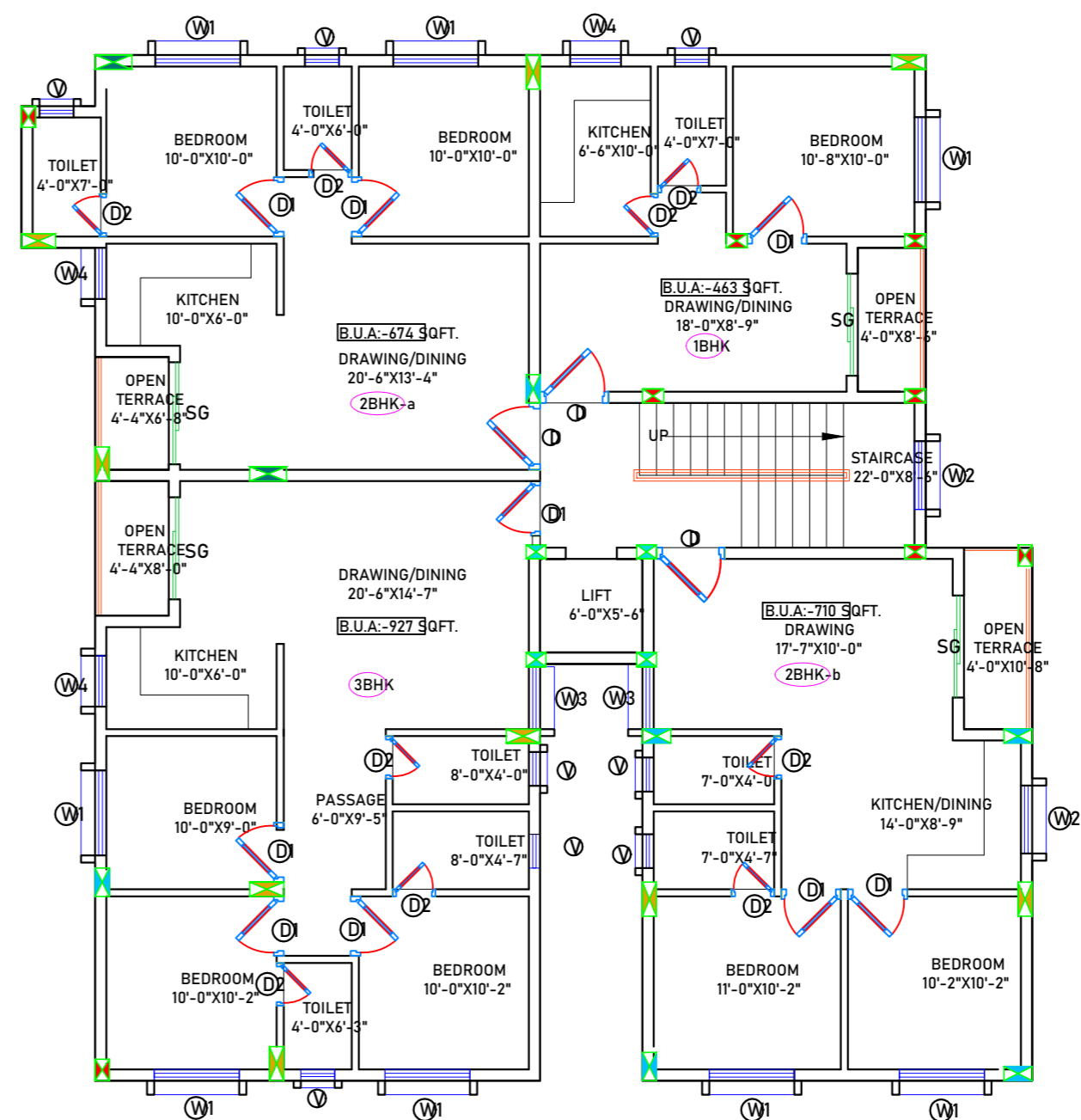
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TYPICAL FLOOR PLAN (1ST TO 3RD)
 STILT ROOF AREA - 3527 SFT
 BUILDING AREA - 3029SFT



4TH FLOOR PLAN
 AREA - 3029SFT

DOOR & WINDOW SCHEDULE

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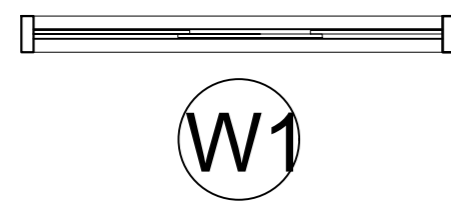
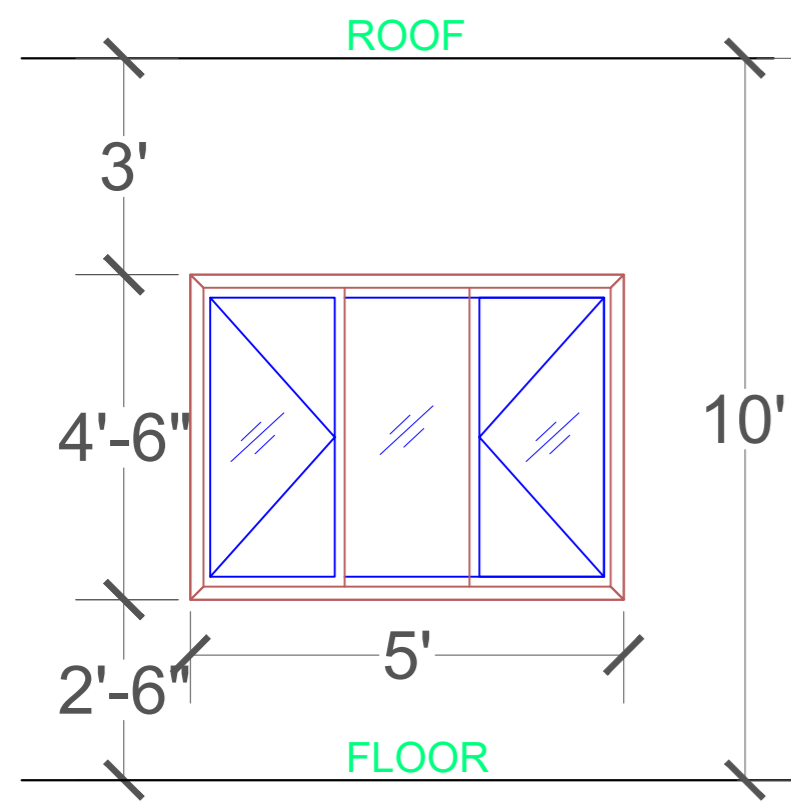
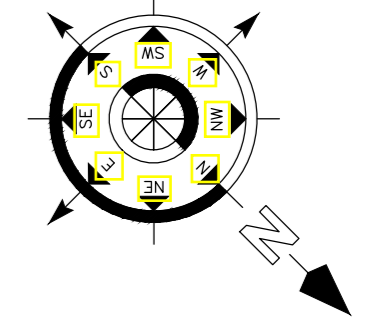
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 DOOR & WINDOW SCHEDULE

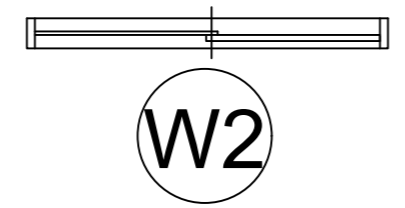
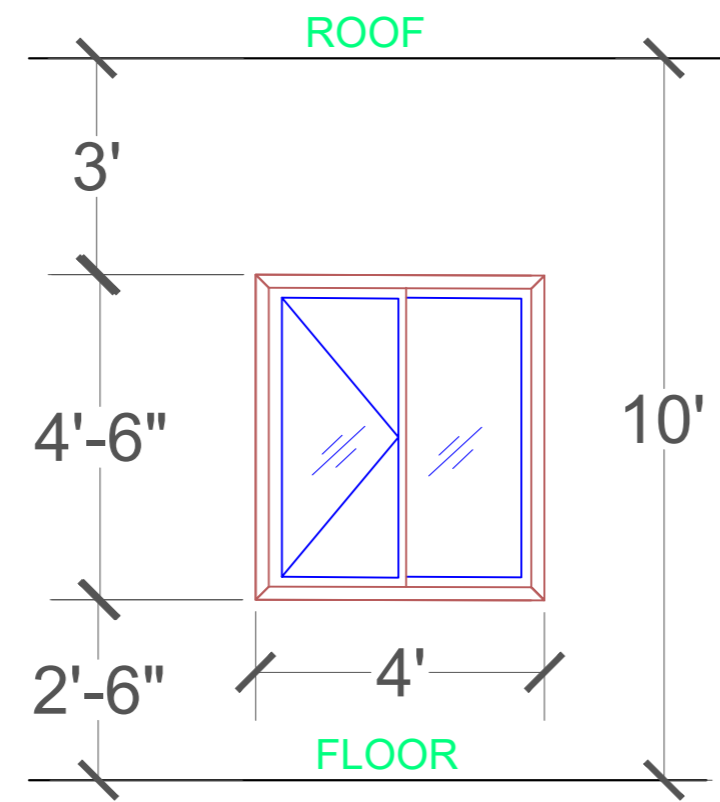

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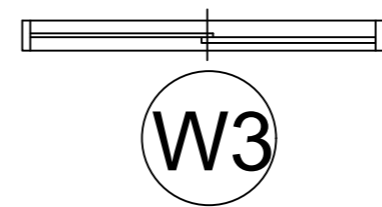
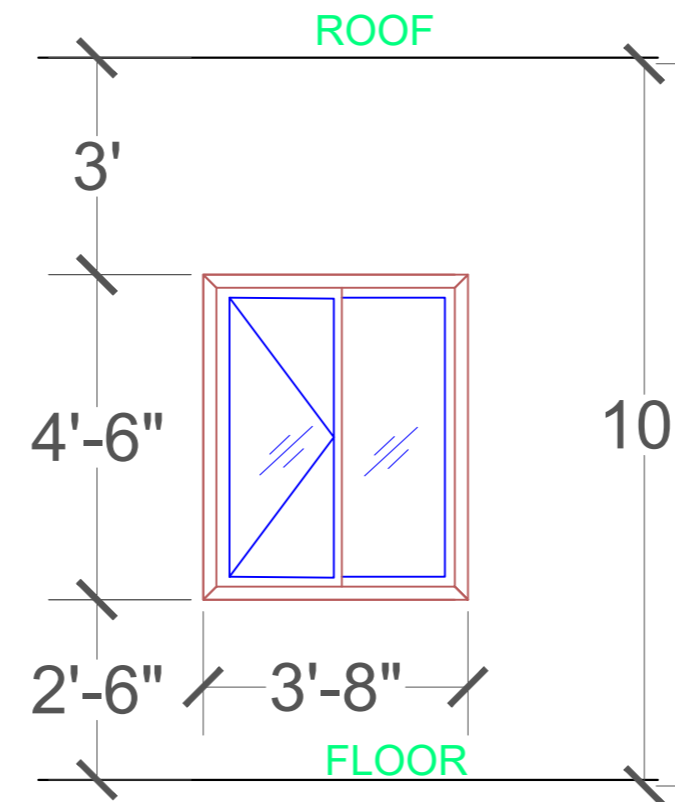
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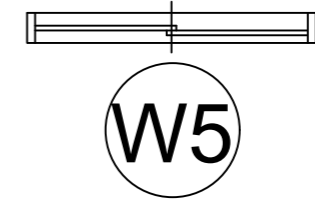
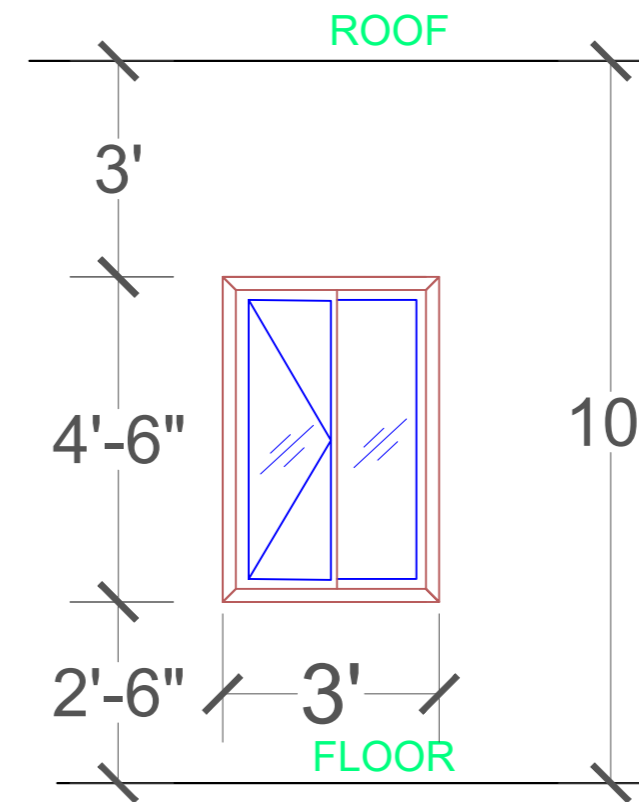
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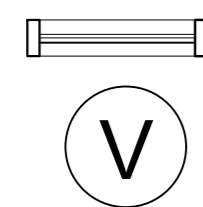
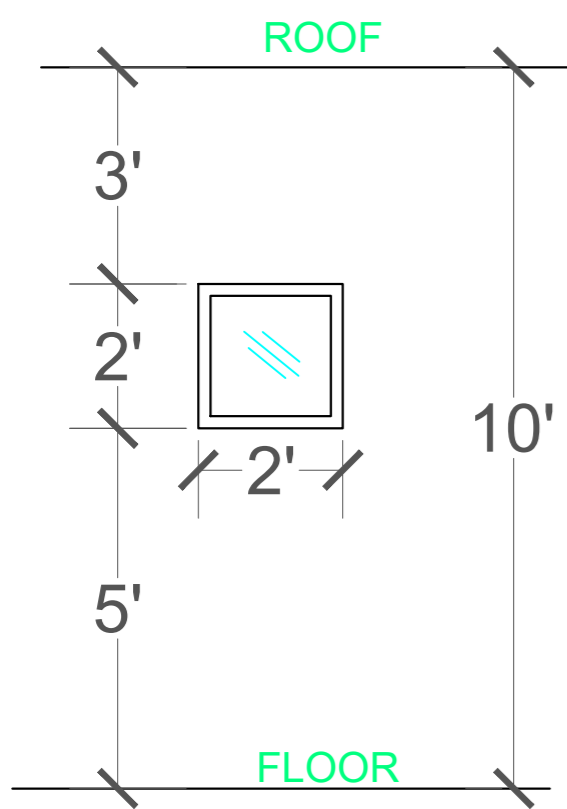
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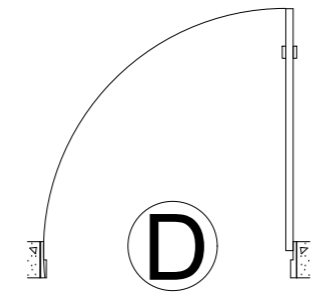
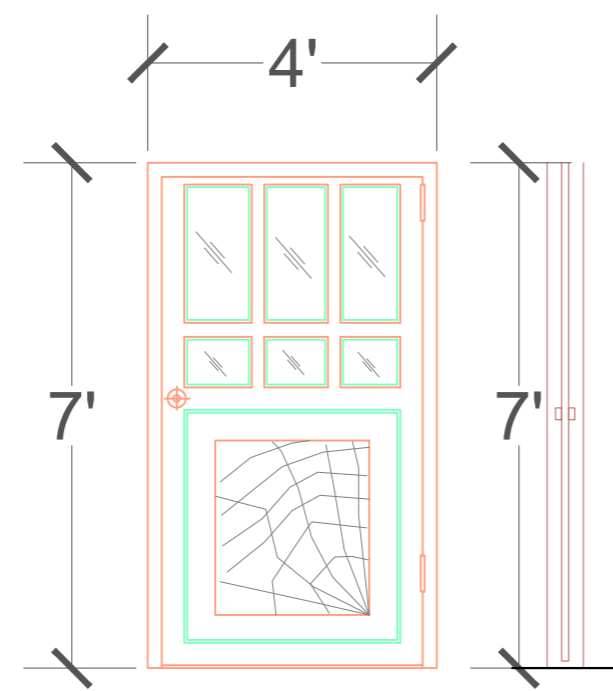
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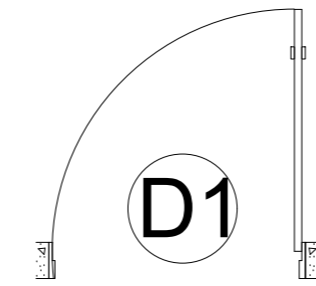
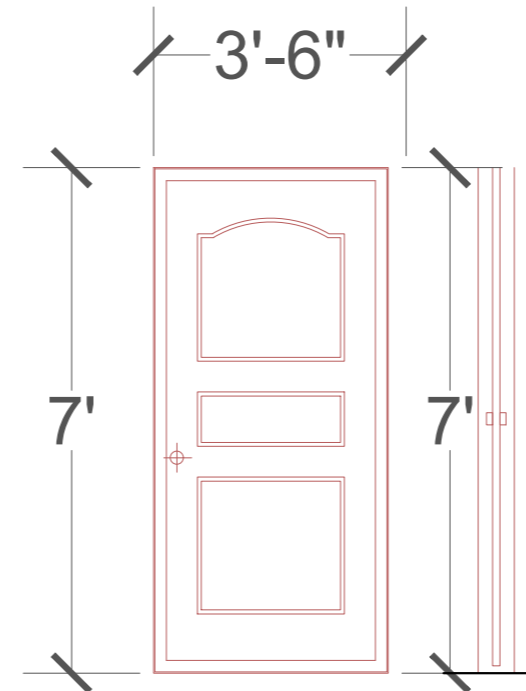
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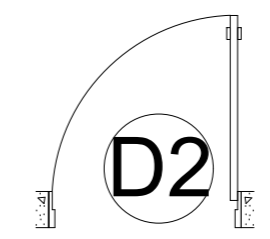
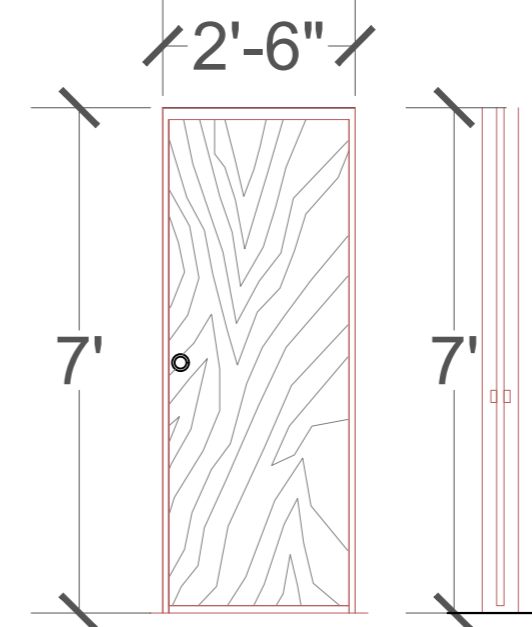
V



D



D1



D2

DOOR & WINDOW SCHEDULE

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DESIGN:-	ER. PABITRA

PROJECT TITLE:-
RESIDENTIAL APPARTMENT AT JOYPORE

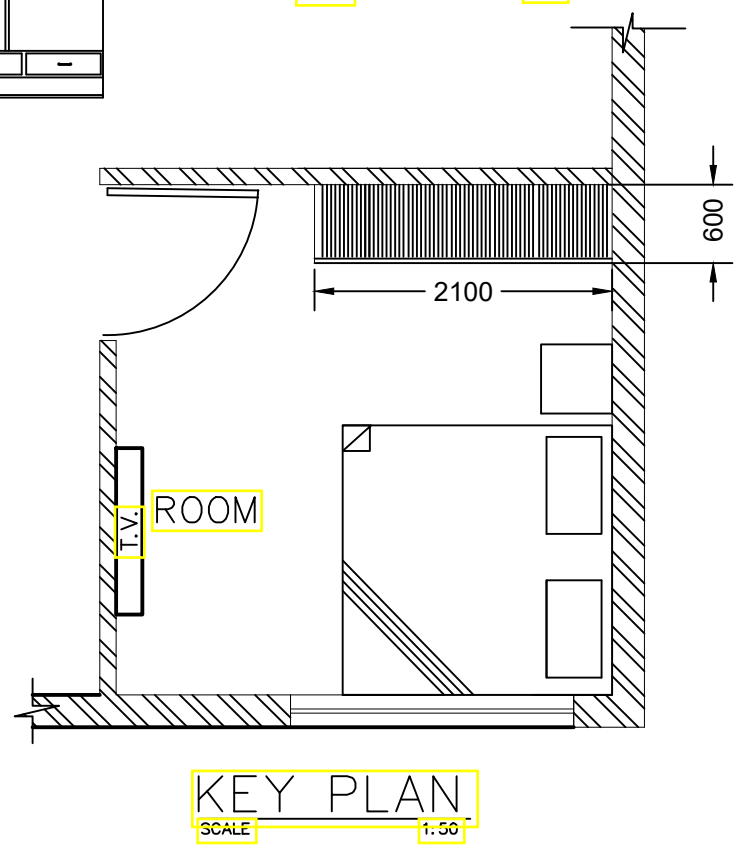
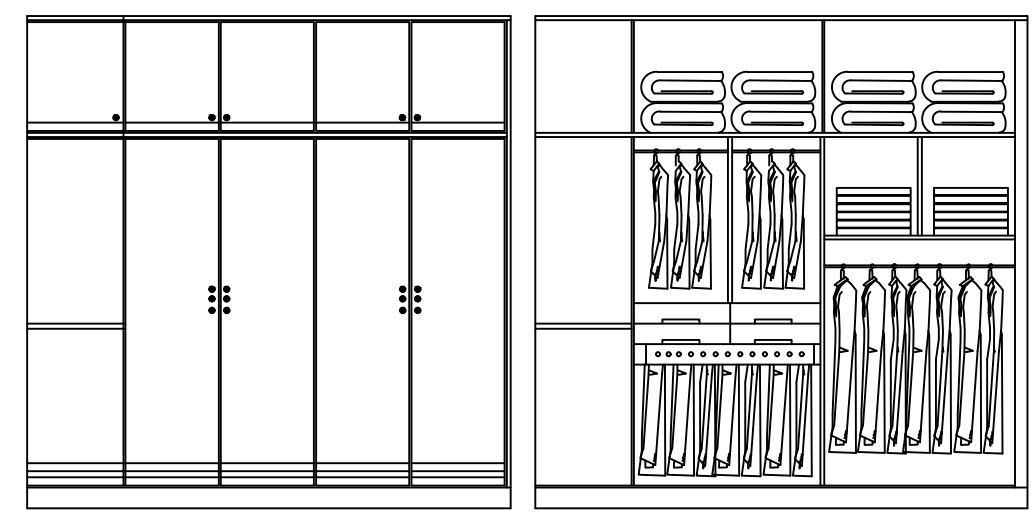
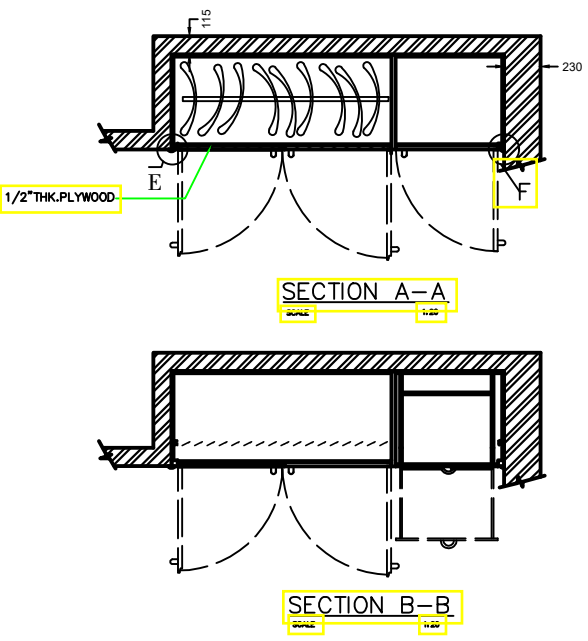
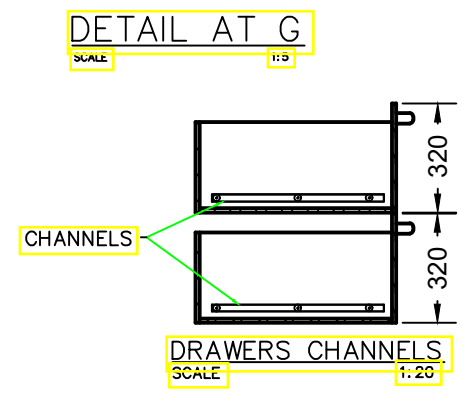
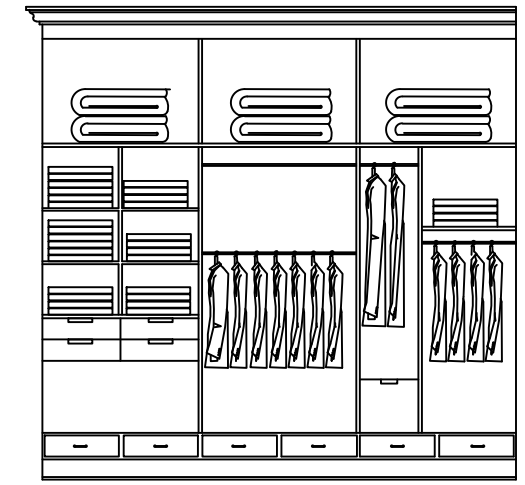
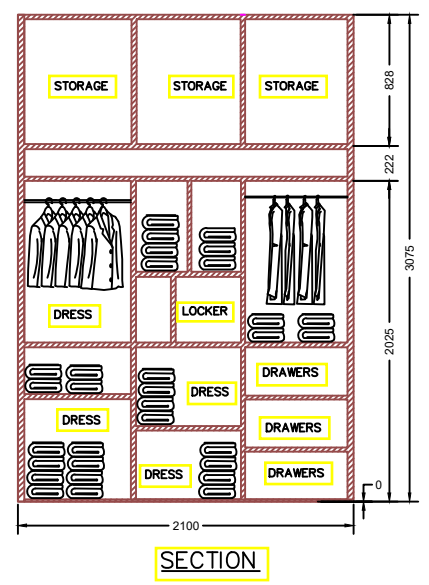
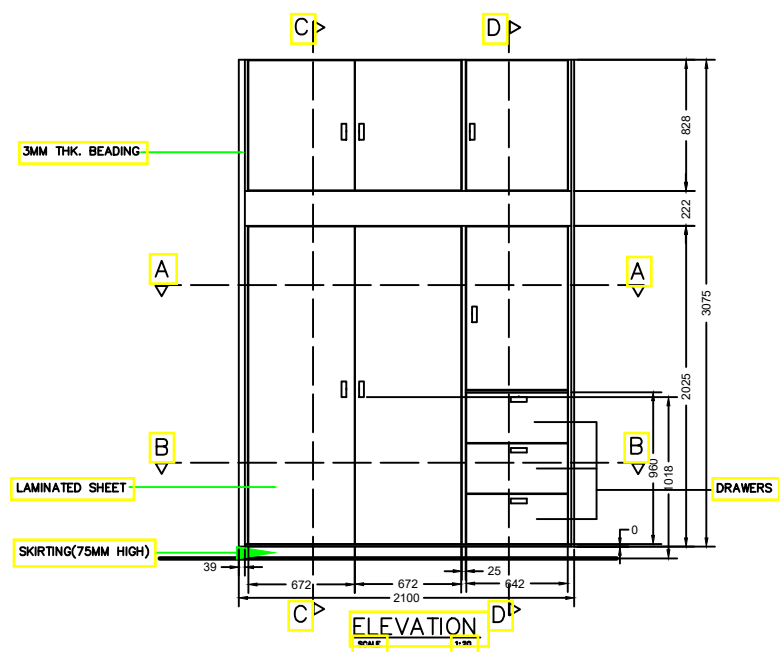
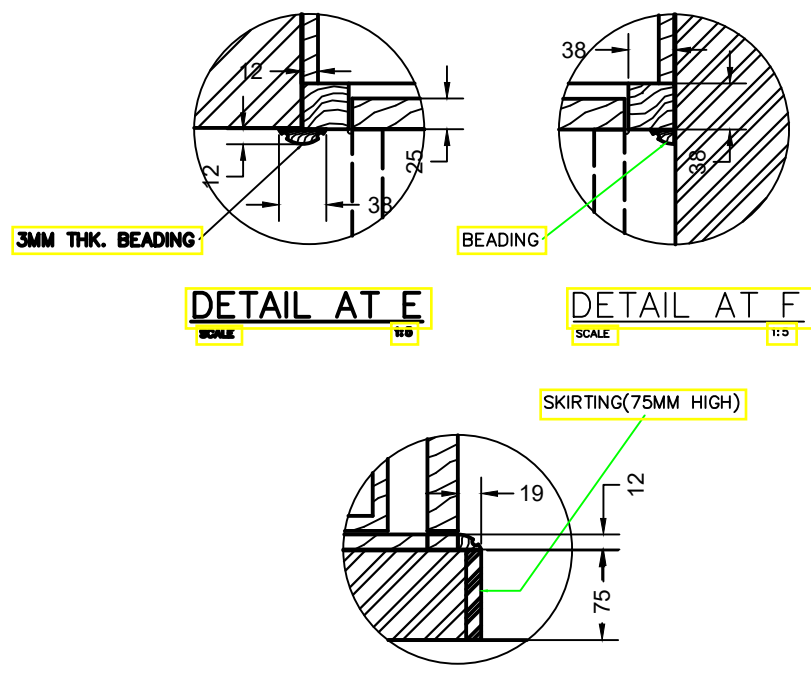
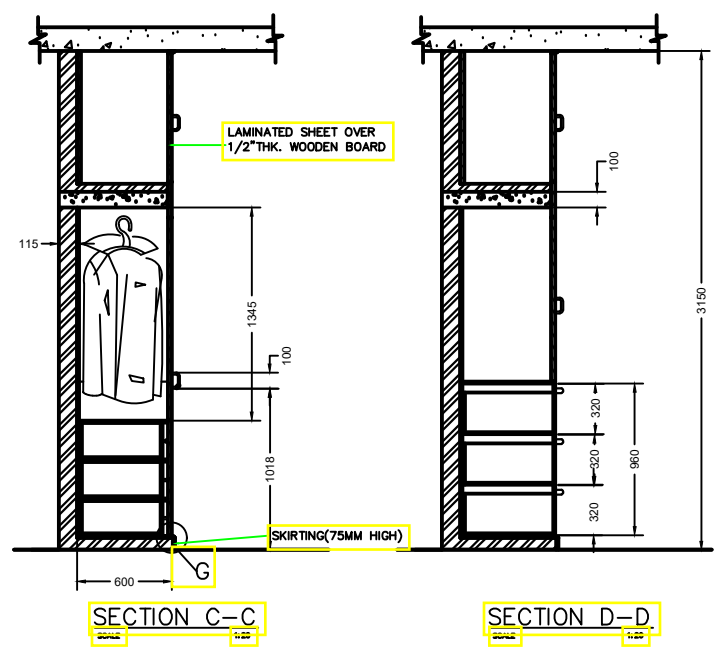
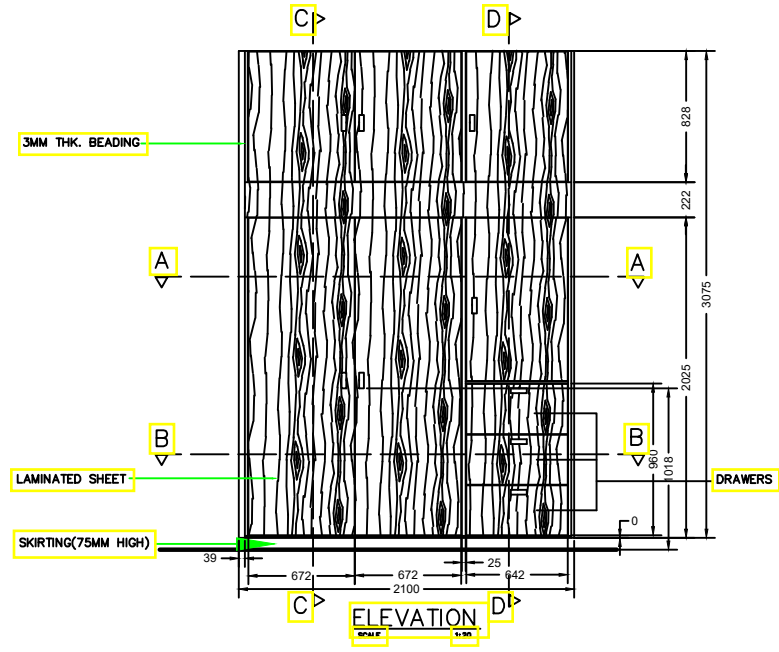
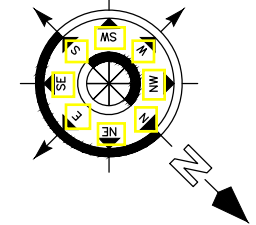
STATUS:
ISSUED FOR CONSTRUCTION

DATE:	18-12-2021
SCALE	NTS
DWG NO:	30

DRAWING TITLE:-
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 - ALL DIMENSION & LEVEL ARE IN FEET-INCH.

SIGNATURE :-

DRAWN:- AR. DHANESHWARI
DESIGN:- ER. PABITRA

PROJECT TITLE:-
 K.I.P SOUMYA

STATUS:
 ISSUED FOR CONSTRUCTION

DATE: 04-05-2022
SCALE NTS
DWG NO:

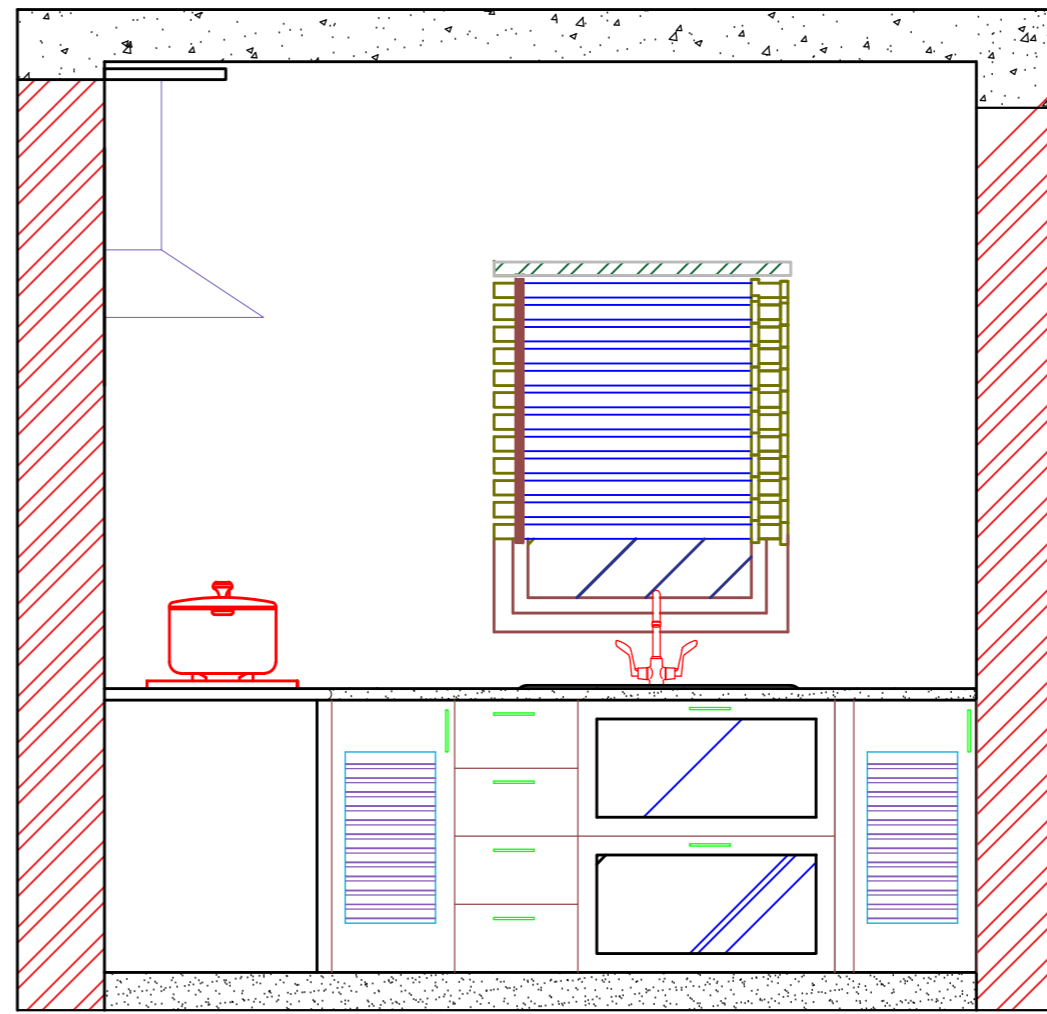
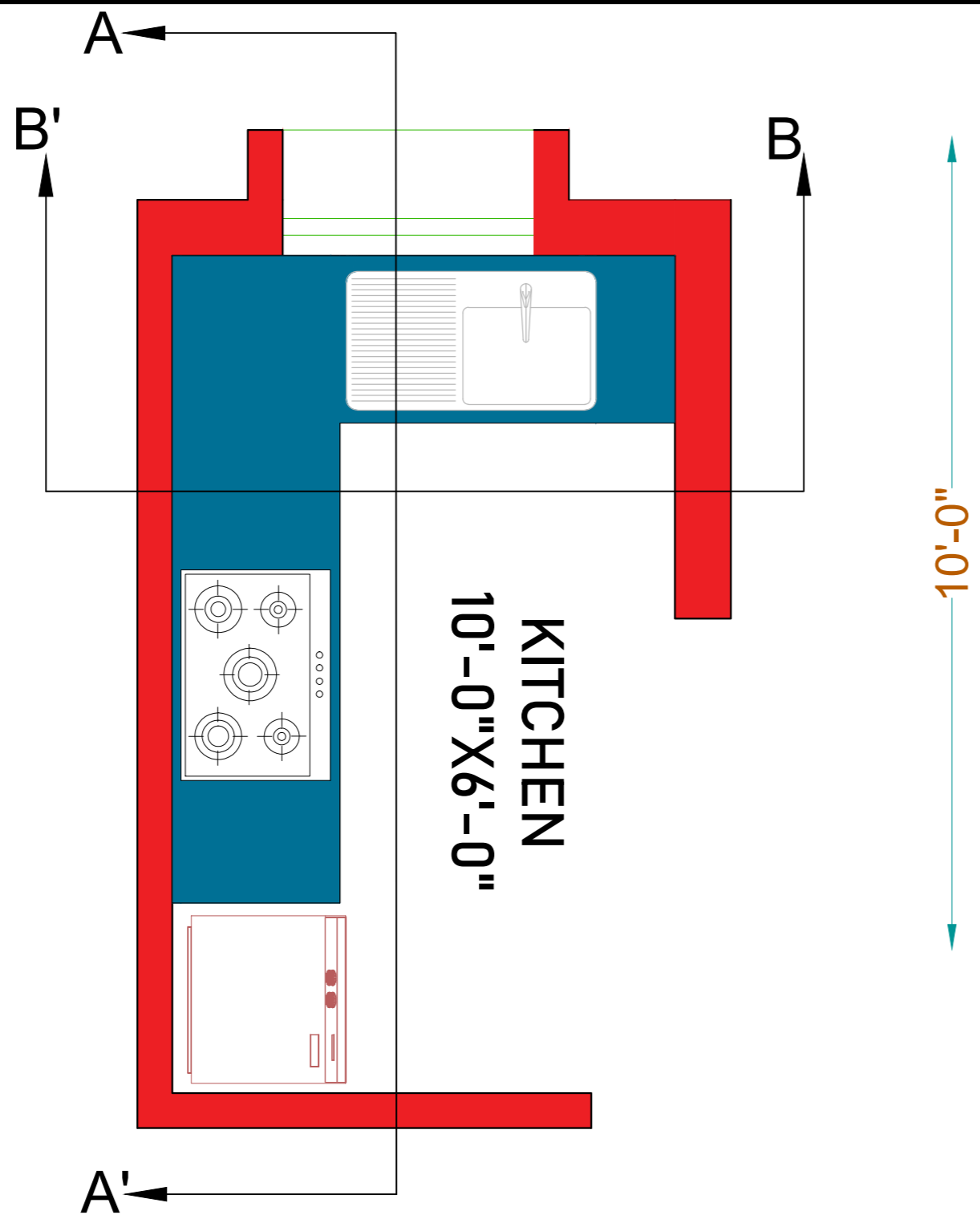
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 WARDROBE DESIGN & DETAILING DRAWING

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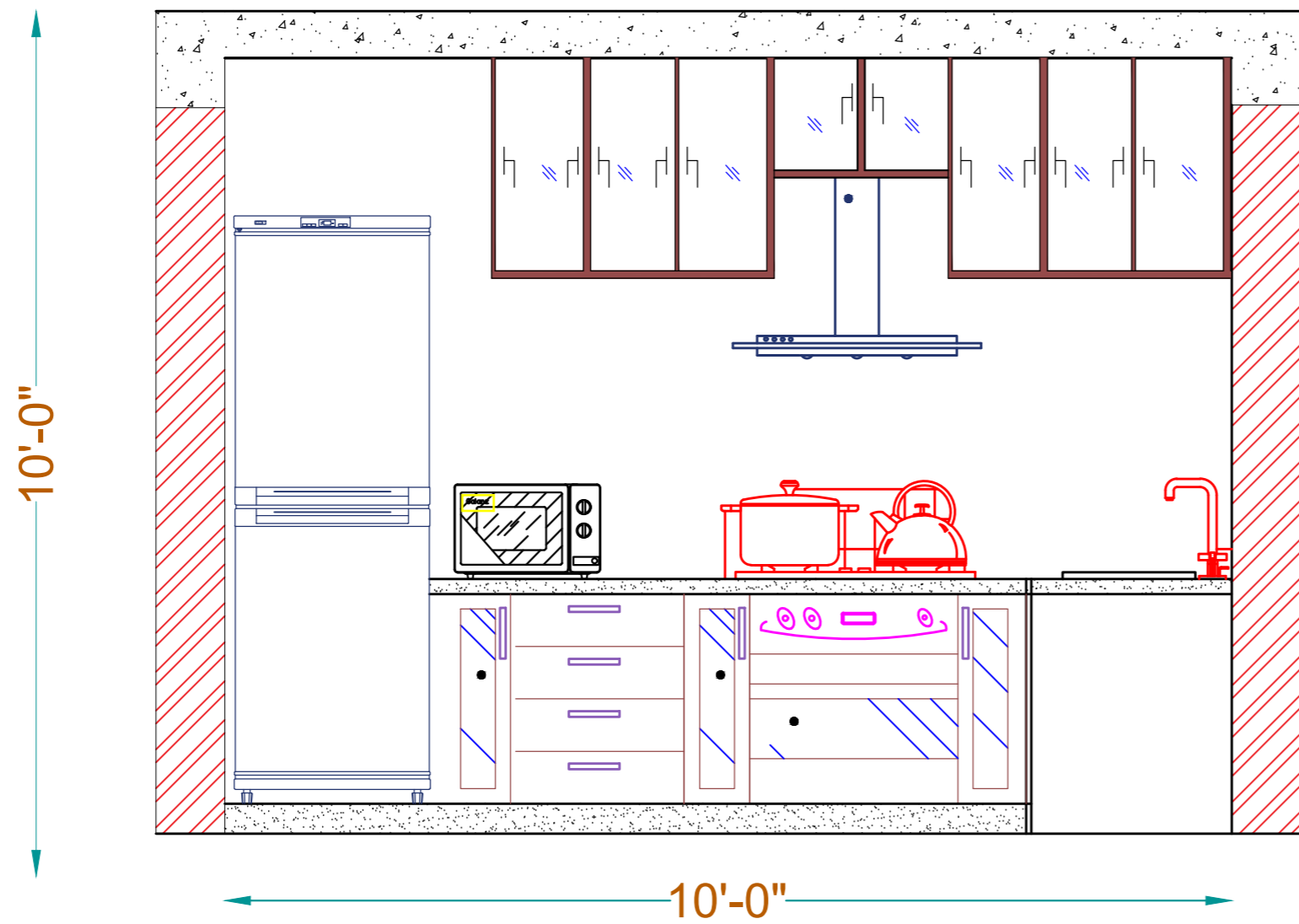
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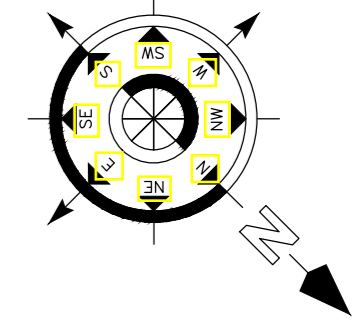
WARDROBE DESIGN & DETAILING DRAWING



6'-0"
ELEVATION - B-B'



10'-0"
ELEVATION - A-A'



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DESIGN:- **ER. PABITRA**

PROJECT TITLE:-

K.I.P SOUMYA

STATUS:

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DATE: **04-05-2022**

SCALE **NTS**

DWG NO: **31**

DRAWING TITLE:-

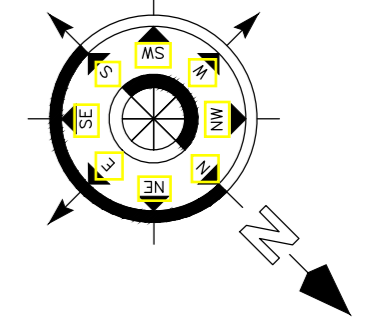
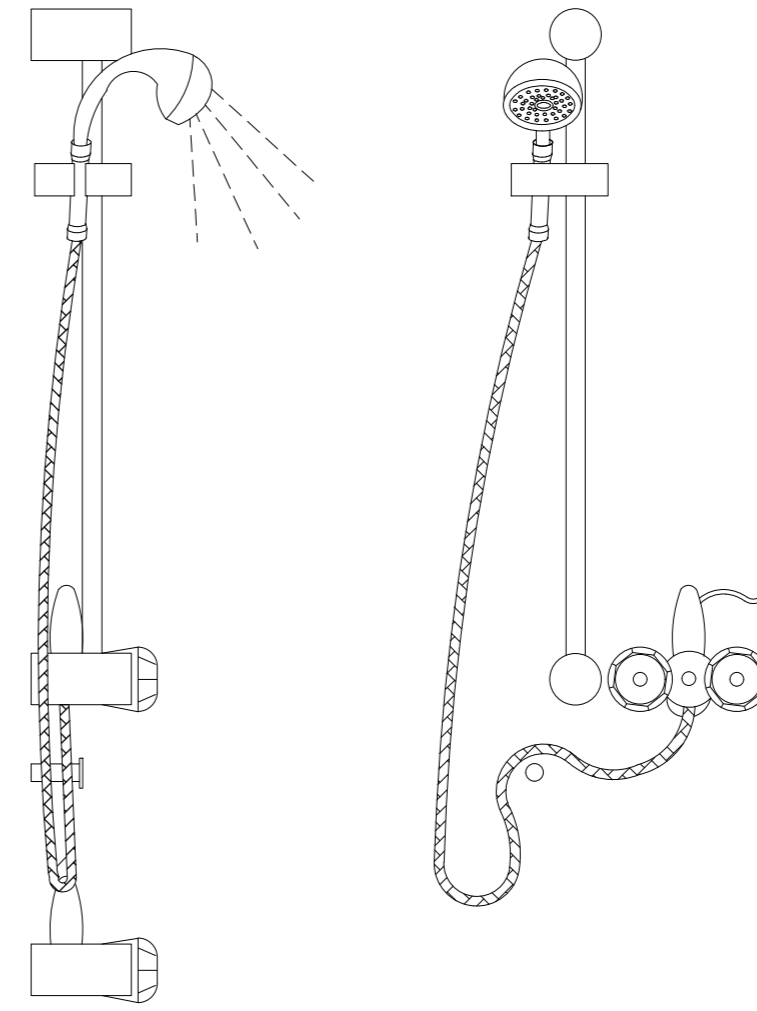
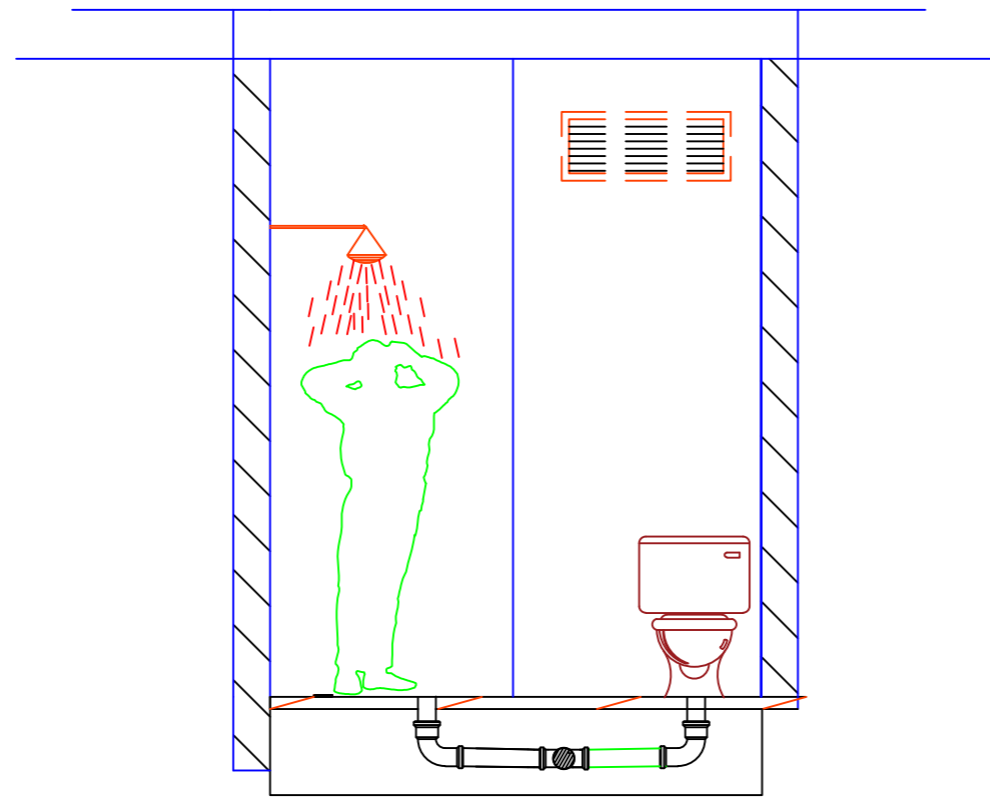
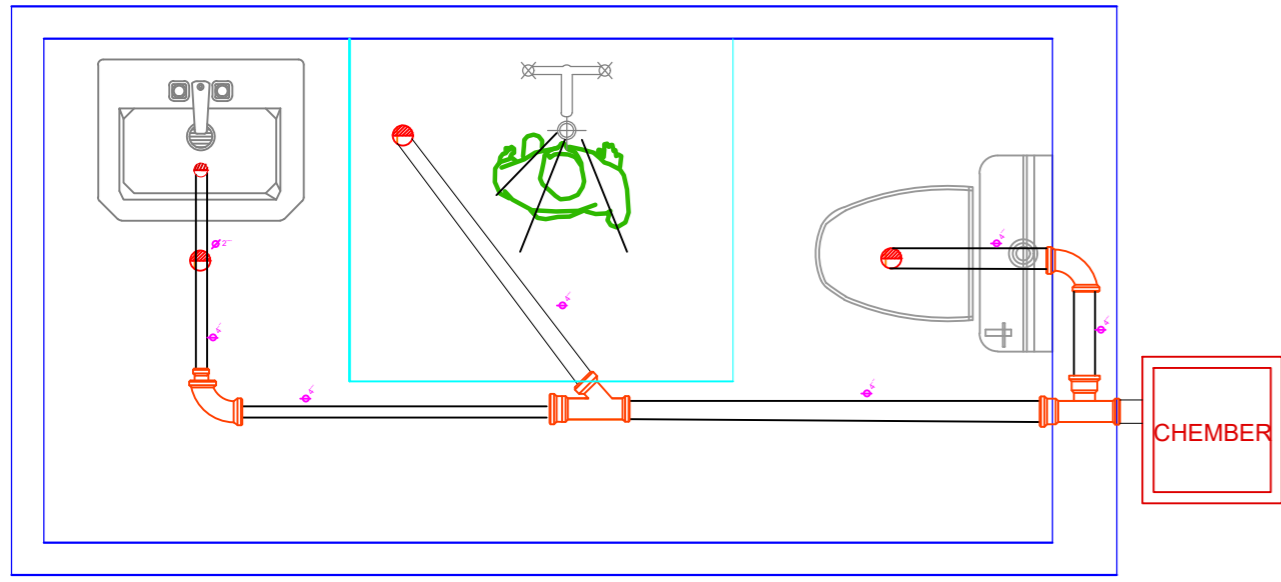
**KITCHEN LAYOUT
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DESIGN:- ER. PABITRA

PROJECT TITLE:-
K.I.P SOUMYA

STATUS:
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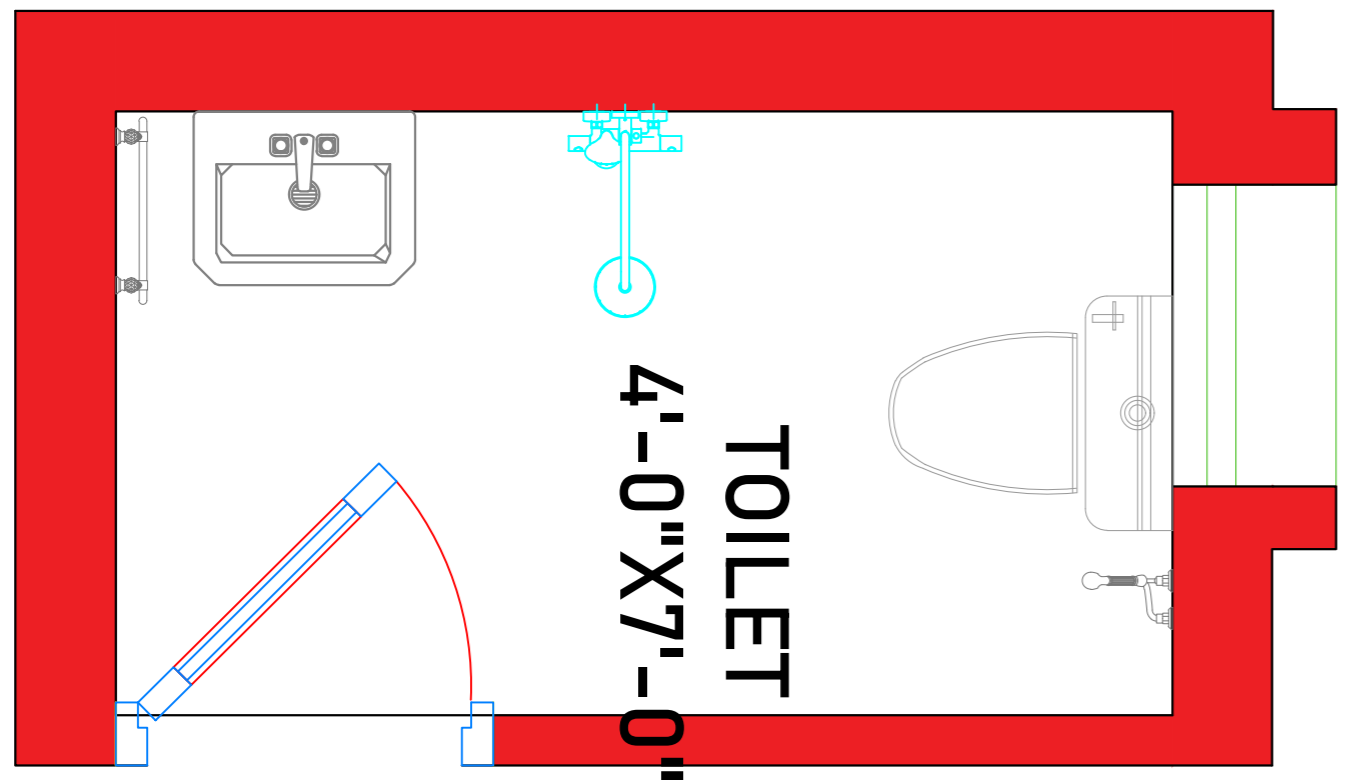
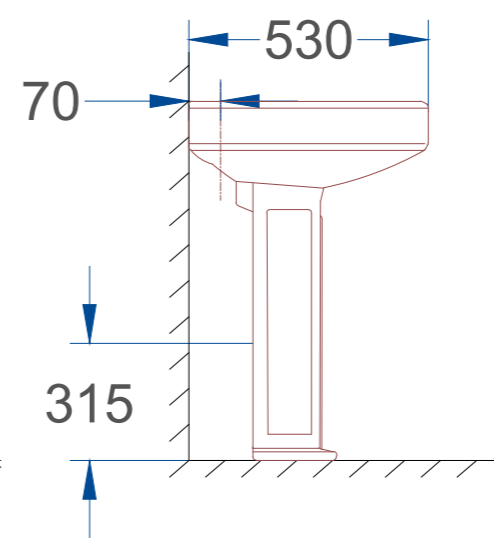
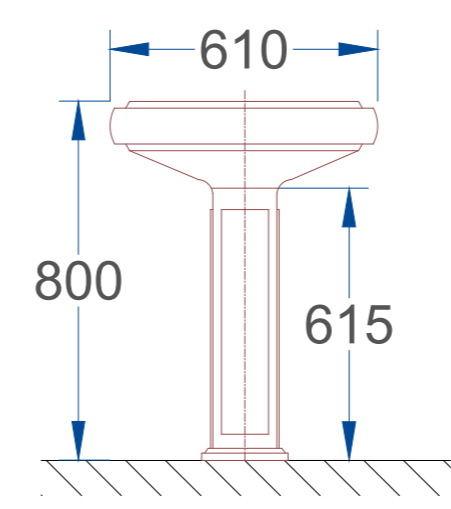
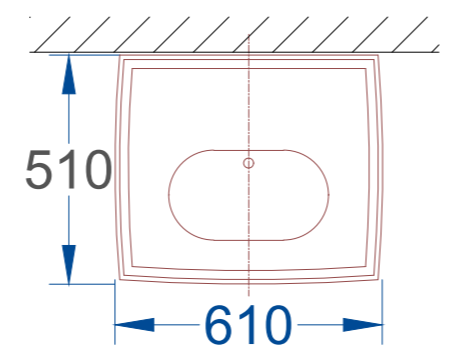
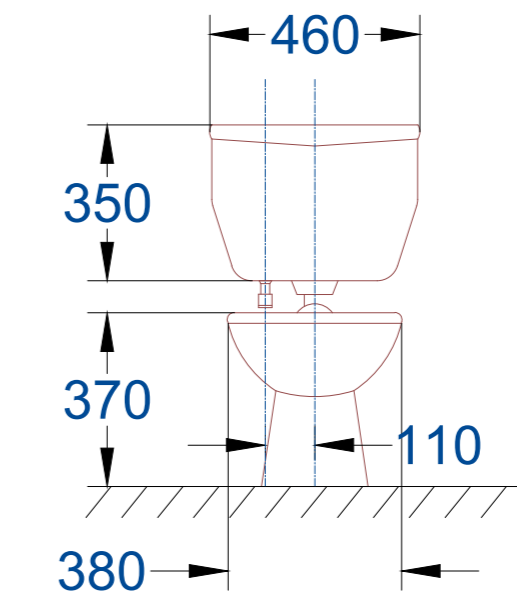
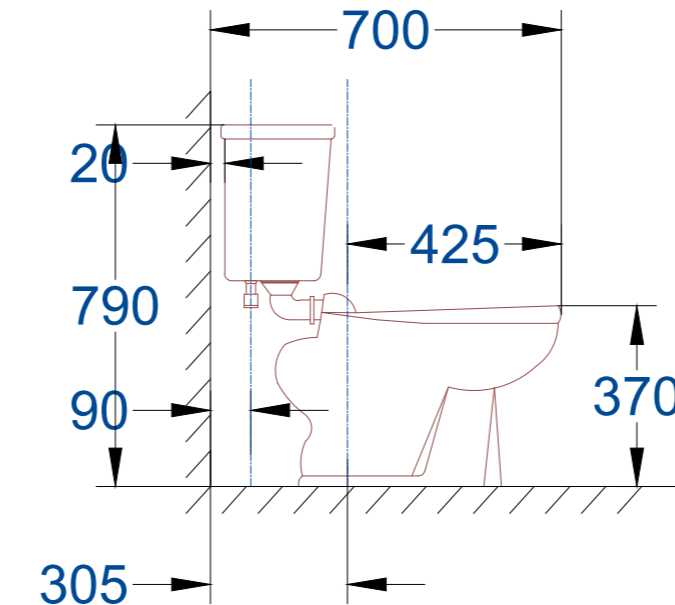
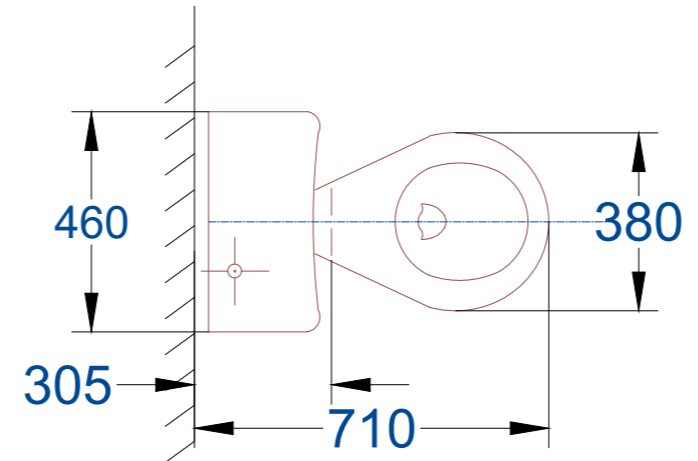
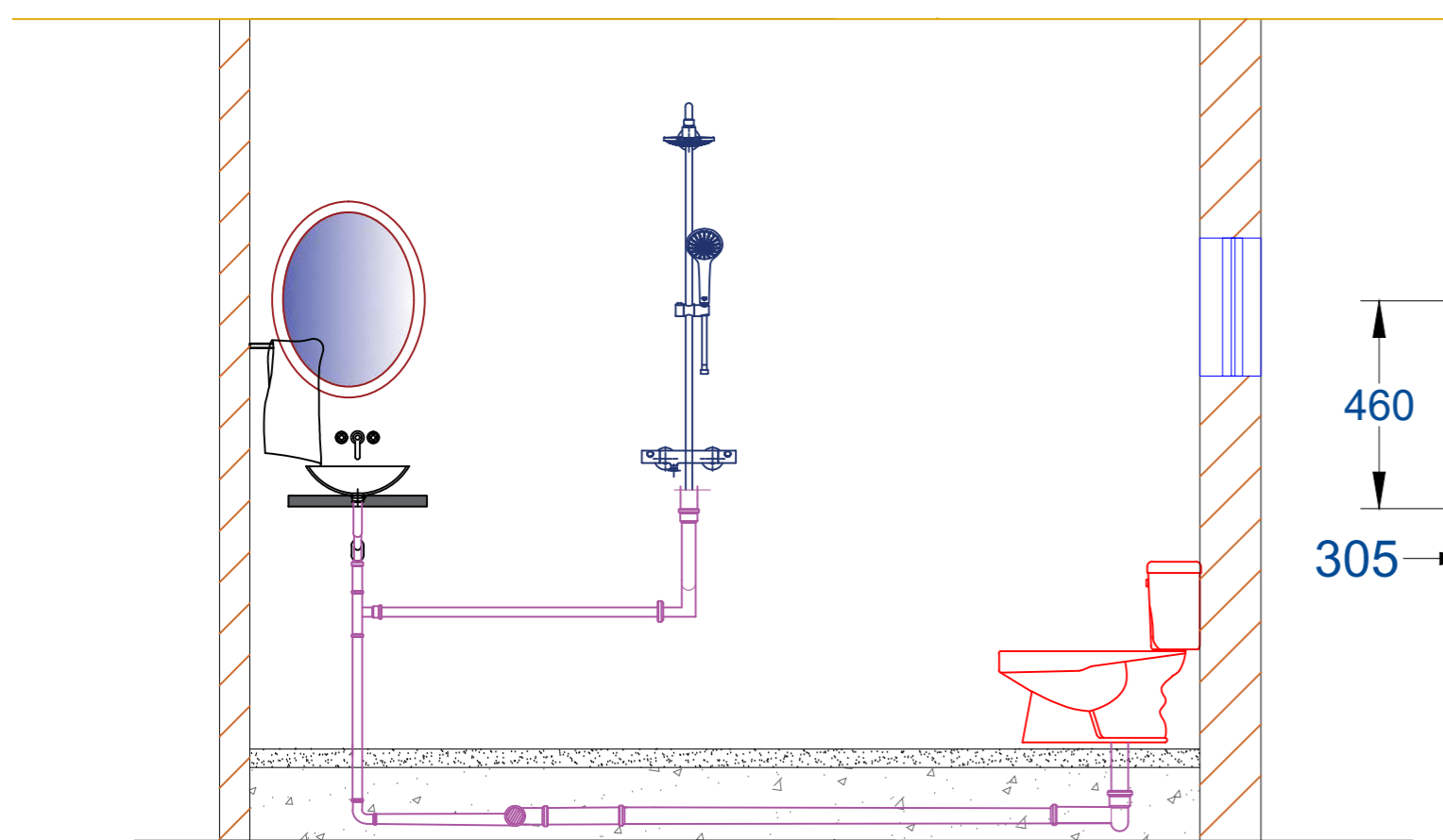
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SCALE: NTS
DWG NO: 32

DRAWING TITLE:-
TOILET DETAIL DRAWING

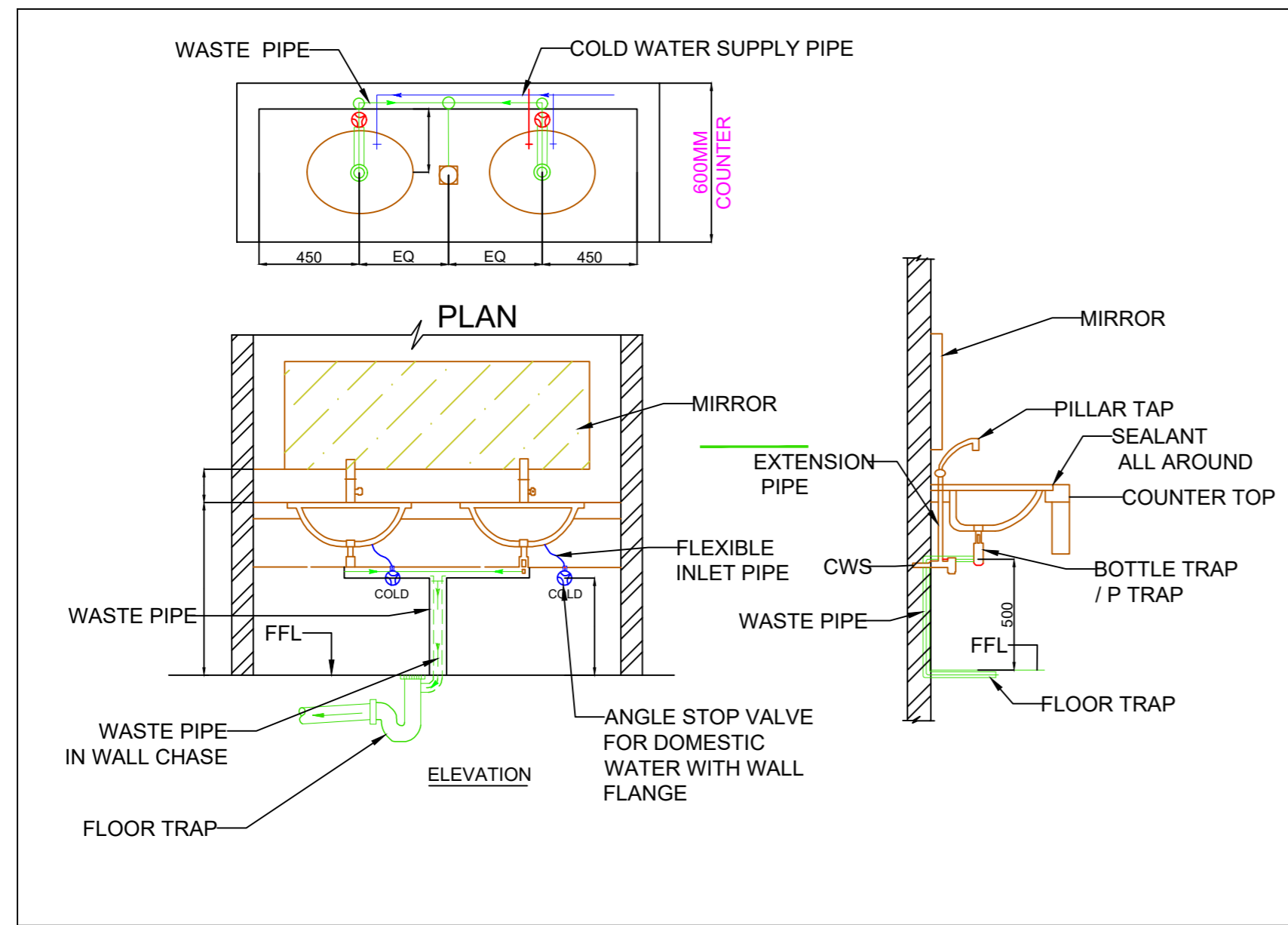
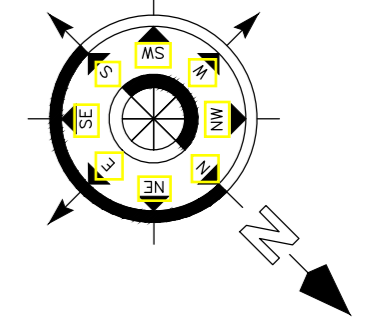
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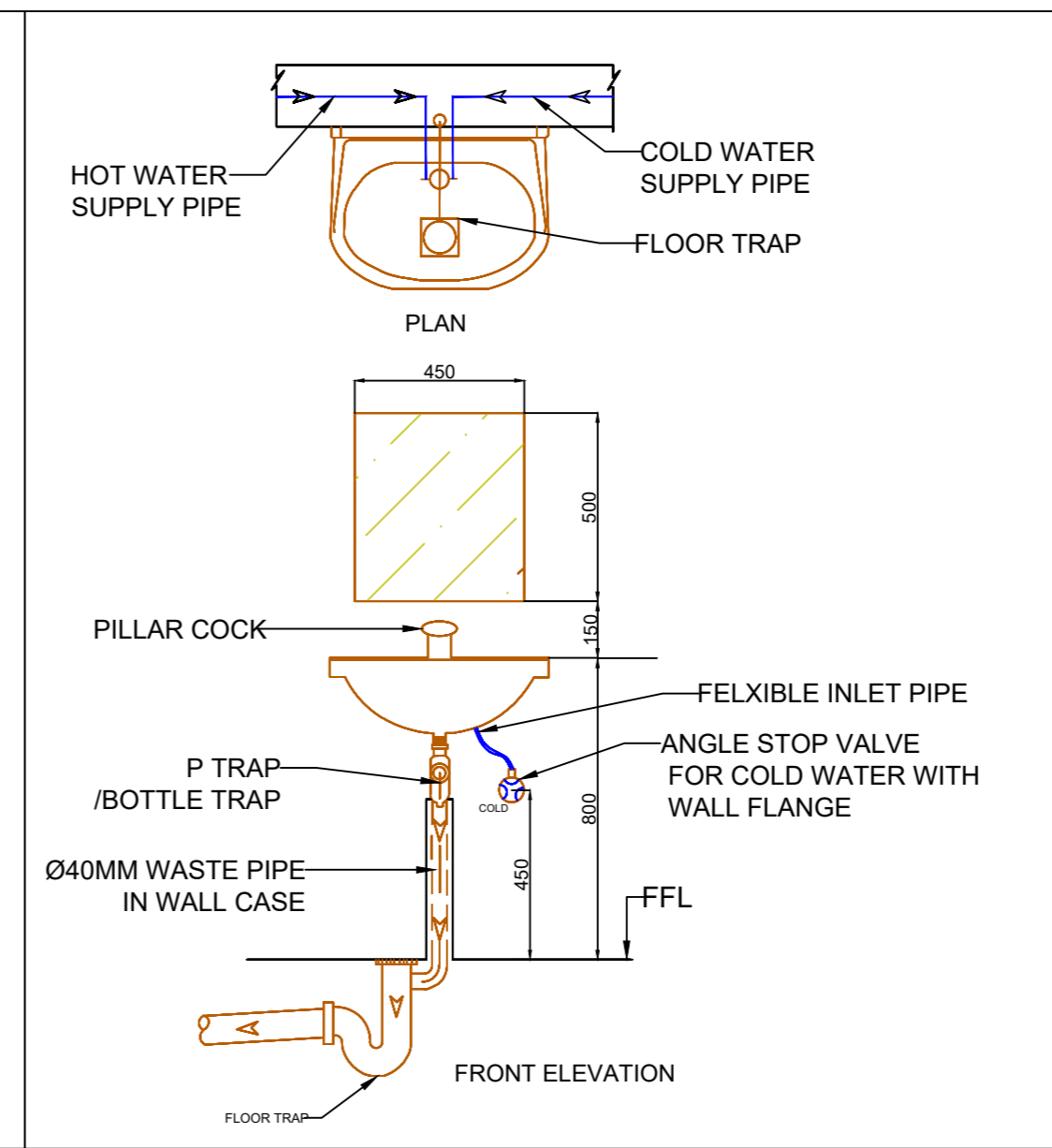
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TOILET LAY OUT & DETAIL



TYPICAL ARRANGEMENT FOR BASIN



TYPICAL ARRANGEMENT FOR WASH BASIN

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SIGNATURE :-

DRAWN:- AR. DHANESHWARI
DESIGN:- ER. PABITRA

PROJECT TITLE:-

K.I.P SOUMYA

STATUS:

ISSUED FOR CONSTRUCTION

DATE:	04-05-2022
SCALE	NTS
DWG NO:	33

DRAWING TITLE:-

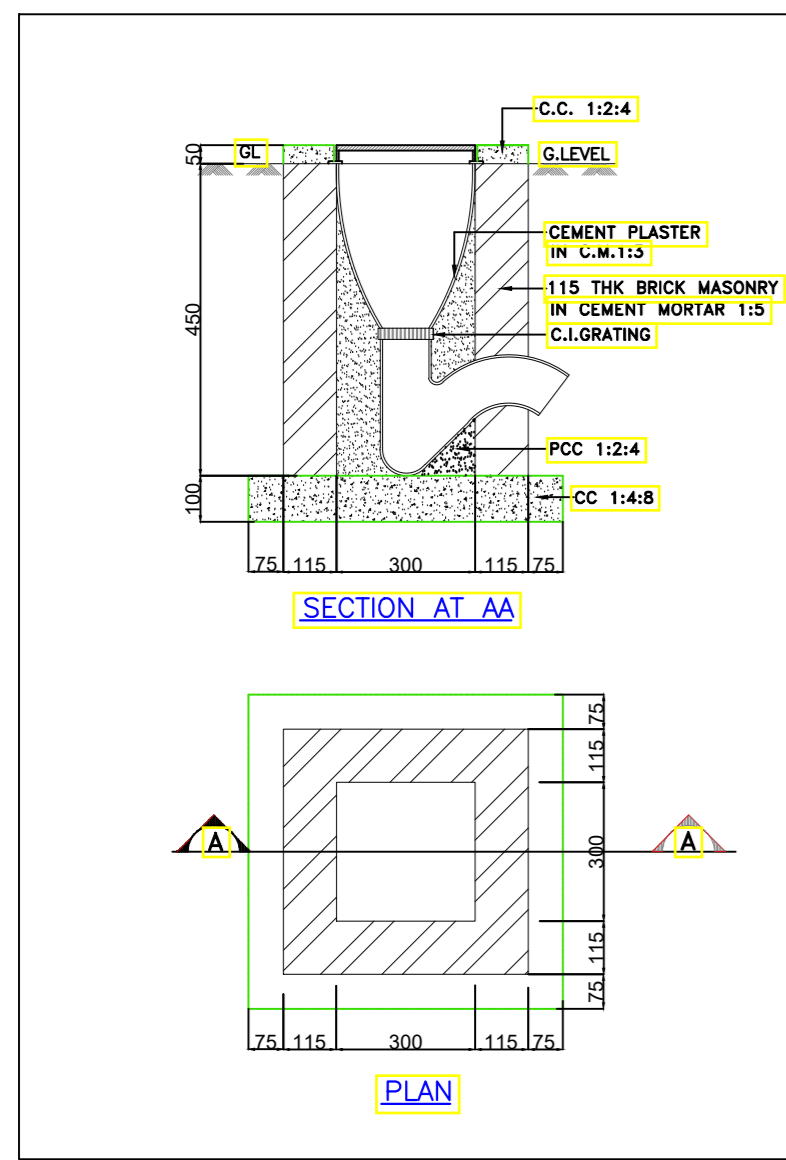
PLUMBING DETAIL DRAWING



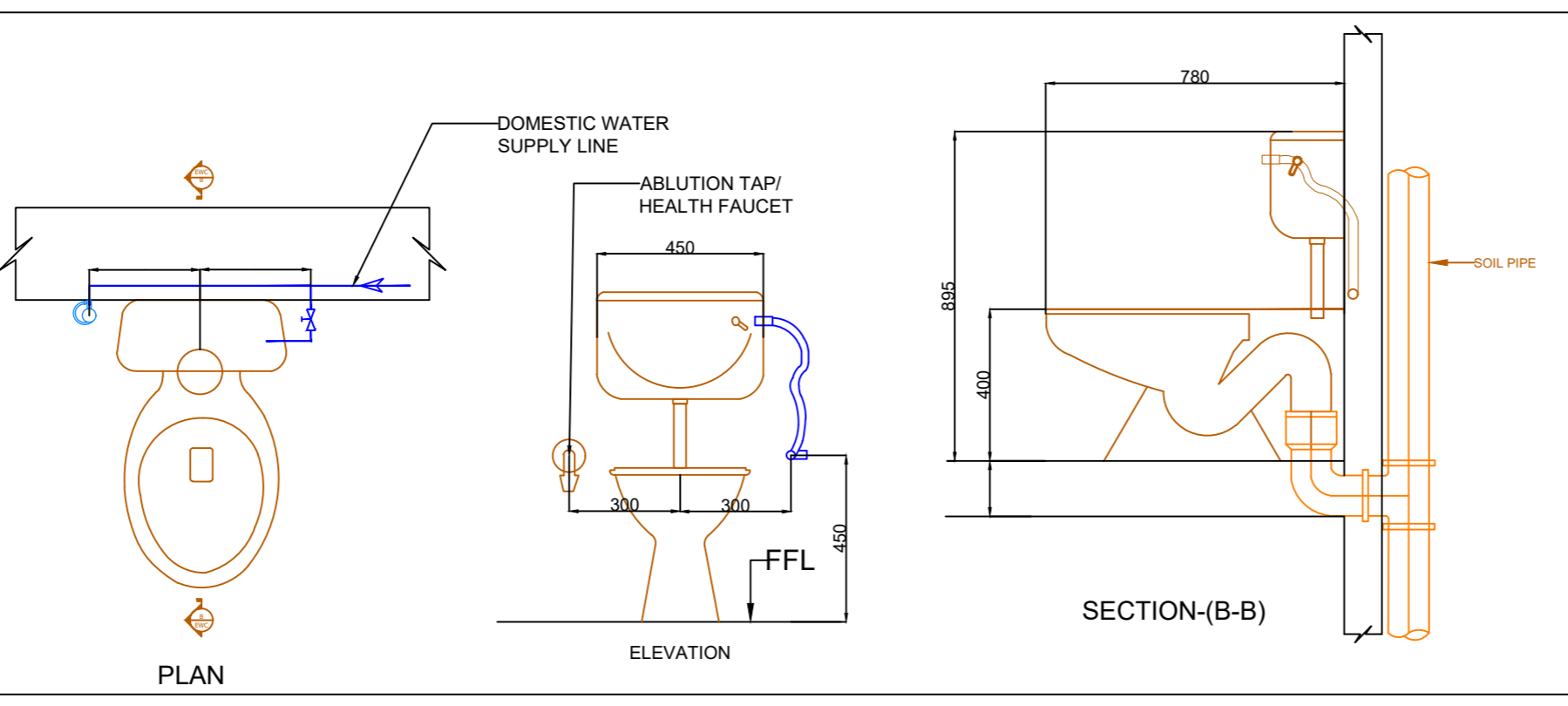
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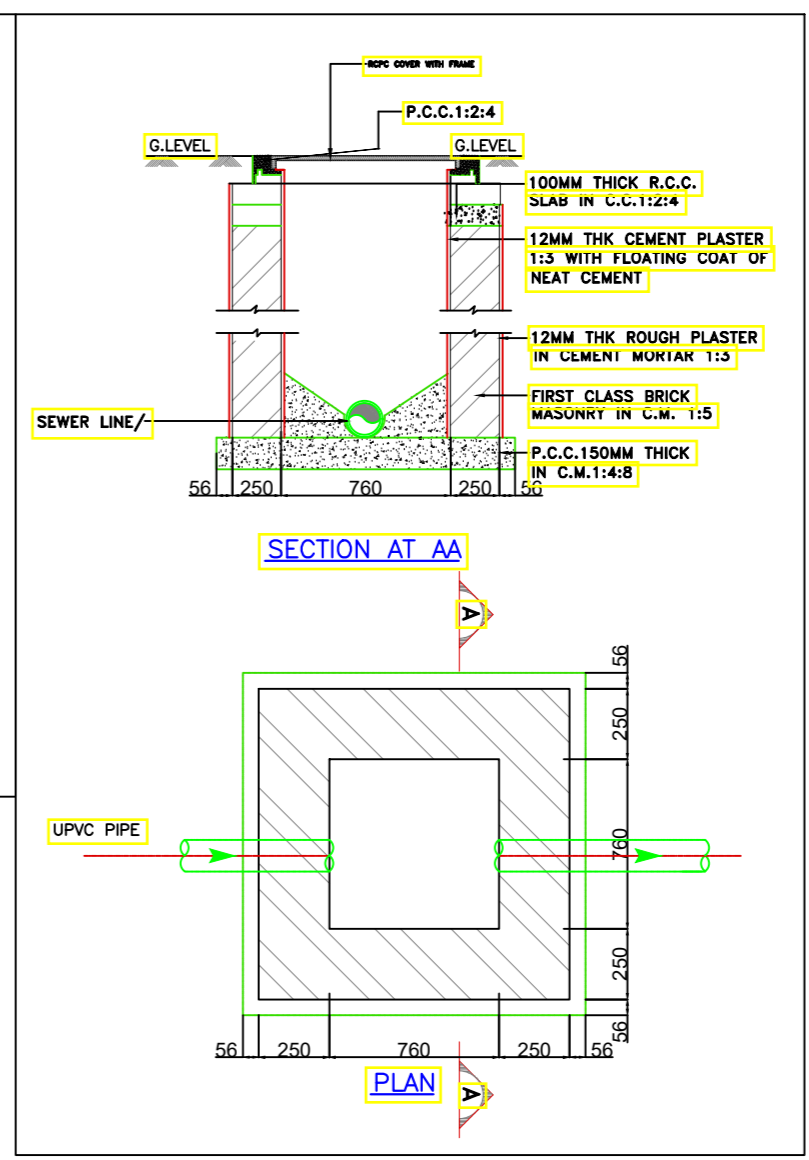
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STONEWARE GULLY TRAP
300x300



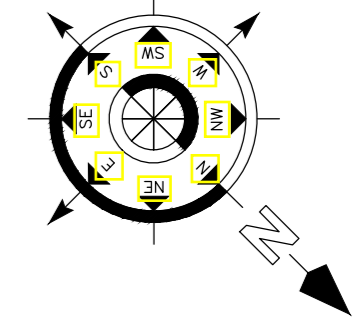
TYPICAL ARRANGEMENT FOR FLOOR MOUNTED EUROPEAN WATER CLOSET



IC-760x760MM



STILT FLOOR PLAN



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SIGNATURE :-

DRAWN:- AR. DHANESHWARI

DESIGN:- ER. PABITRA

PROJECT TITLE:-

K.I.P SOUMYA

STATUS:

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DATE: 04-05-2022

SCALE: NTS

DWG NO: 34

DRAWING TITLE:-

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NOTES FOR UNDER GROUND CLARIFIED WATER TANK:

- (i) Yield strength of re-bars f_y shall be 500 MPa min.
- (ii) Concrete strength f_c (28 day 12"x24" cylinder strength) shall be 30MPa min. with a minimum mix ratio 1:1.5:3 .
- (iii) Coarse aggregate shall be ¾" down well graded hard stone chips.
- (iv) Fine aggregate shall be a mixture of 85% coarse sand of F.M. 2.3 min. and 15% medium sand of F.M. 1.3 min.
- (v) Binders shall be \varnothing 10 @ 12" c/c where required.
- (vi) All dimensions are in IMPERIAL

USE WATER PROOFING ADMIXTURE IN BOTTOM SLAB & WALL OF UNDER GROUND WATER RESERVOIR.

SEPTIC TANK	LENGTH	WIDTH	HEIGHT
	18'-3"	10'-0"	8'-0"

NOTE :-

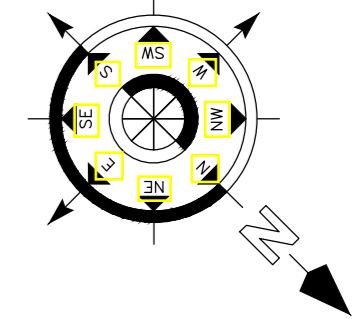
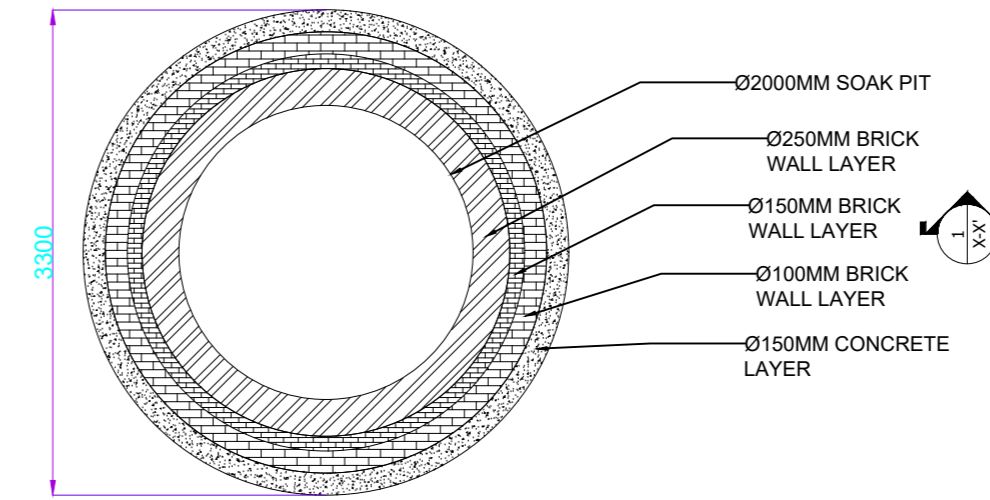
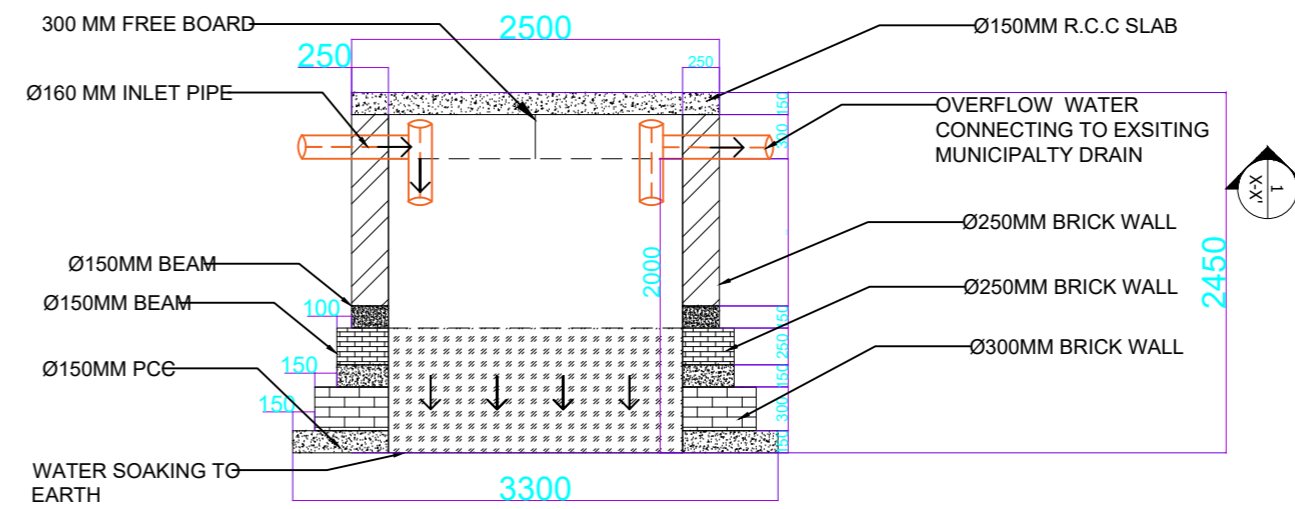
CONCRETE MIX = M30 GRADE
 CONCRETE, f_c = MINIMUM 3000 psi
 YIELD STRENGTH OF STEEL f_y = 550 GRADE

CLEAR COVER

- i) WATER FACE = 2.0"
- ii) EARTH FACE = 2.0"

PROVIDE 3/4"(20mm) THICK PLASTER IN 1:4 WITH WATER PROOFING ADMIXTURE PLASTOCRETE-SUPER INCLUDING SIMULTANEOUS NEAT CEMENT FINISHING (P).

Sr No:	TANK DESCRIPTION	TANK SIZE(MM)		
		L	W	H
1)	SOAK PIT	3300	3300	2400



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SIGNATURE :-

DRAWN:-	AR. DHANESHWARI
DESIGN:-	ER. PABITRA

PROJECT TITLE:-

K.I.P SOUMYA

STATUS:

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DATE:	04-05-2022
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DWG NO:	35

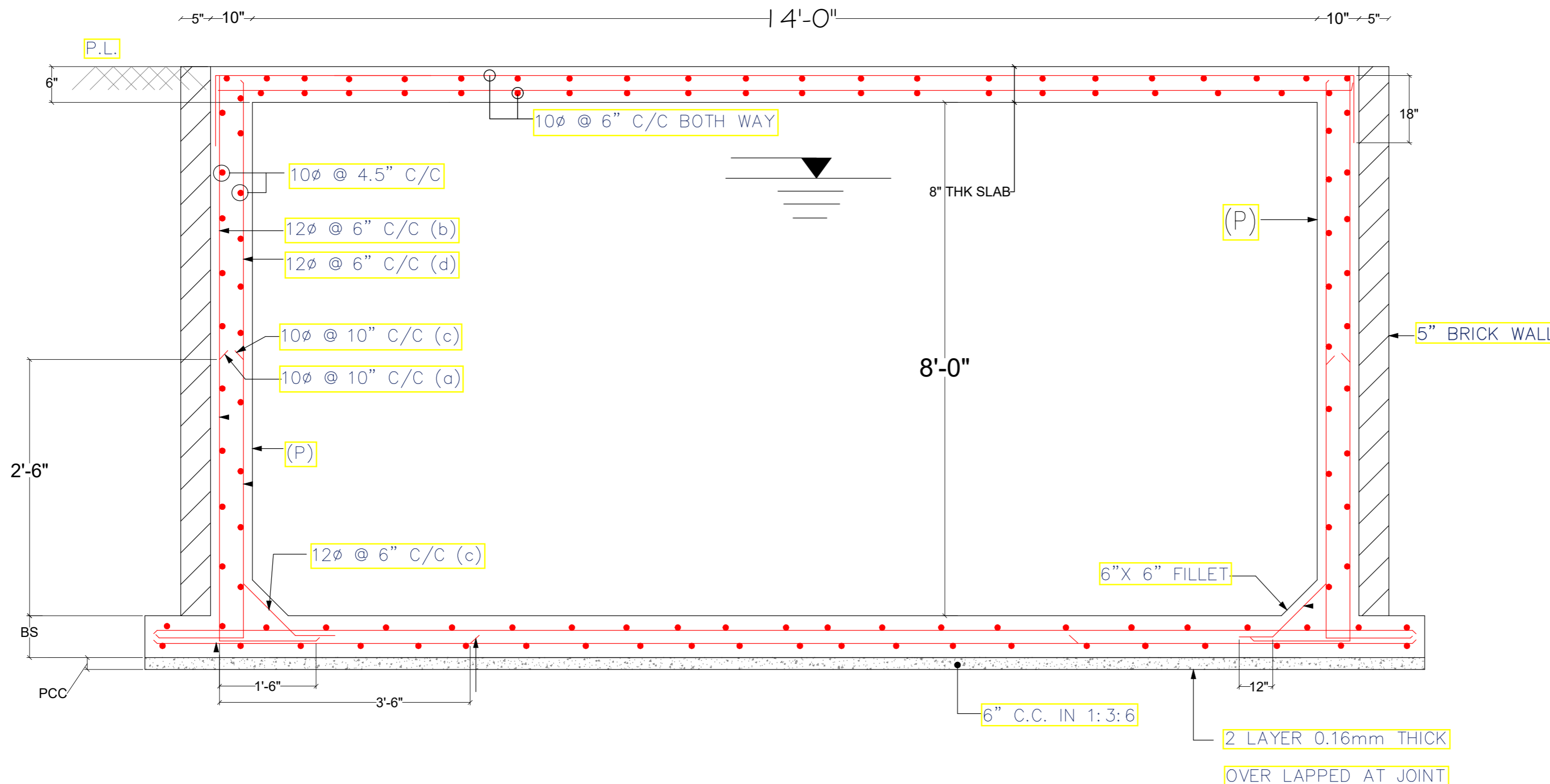
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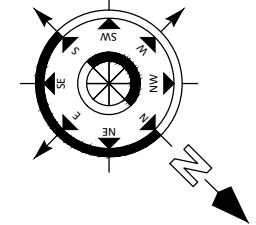




STILT FLOOR ELECTRICAL LAYOUT

SL	SYMBOL	LEGEND OF ELECTRICAL FITTINGS SPECIFICATION
01		1400mm Sweep Ceiling Fan
02		
03		20W Led Tube Light
04		20W Led Tube Light Surface Mounted (UPS)
05		380mm Sweep Exhaust Fan
06		TV Point
07		5Amps Switch + Plug Socket Outlet Only On Independent Board
08		15Amps Switch + Plug Socket Outlet Only On Independent Board
09		Electrical Panel
10		Branch Distribution Board Light
11		Branch Distribution Board Power
12		Branch Distribution Board Power (UPS)
13		32A Industrial Switch
14		32A Industrial Socket
15		18 watt LED Circular
16		Ceiling Rose
17		Split AC Indoor Unit
18		AC Outdoor Unit
19		Geyser Point
20		Telephone Point
21		Switch Board With UPS Supply
22		15 watt CFL Bulb (Wall Mounted)
23		Switch Board
24		Mirror Light
25		AquaGuard Water Purifier
26		Fridge
27		Calling Bell Switch
28		Calling Bell
29		Bullet Camera (Outdoor Camera)
30		Dome Camera (Indoor Camera)
31		20W Led Tube Light Ceiling Mounted
32		Electric Vehicle Charging Point
33		FTTH
34		Water Sensor Panel
35		Pump Panel
36		Inspection Chamber for Internet Cable
38		16 amps IP 67 Socket & Switch
39		Switch Board with UPS Powered
40		TV Antenna (MDU)
41		Dressing Unit
42		Foot Light
43		Shoe Polishing Machine
44		Sanitizer Machine
45		Solar Inverter
46		Lead Acid Battery
47		Weather Proof Outdoor light/ Facade Light
48		Junction Box
49		Switch Board with two way Switch
50		UPS power switch Board with two way switch

LEGEND	DESCRIPTION
	WALL SIDE BELOW THE BEAM
	WALL CENTRE BELOW THE BEAM



Note:

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- CLEAR COVER TO MAIN REINFORCEMENT SHALL BE FOR COLUMN - 40MM, PLINTH BEAM - 50MM.
- FOOTING-50mm, BEAM-25mm, SLAB - 20mm.
- THE MIX FOR ALL R.C.C. WORK SHALL BE M-20 (1:1.5:3).
- ALL THE REINFORCEMENT SHALL BE F6-500(HYSD BARS).
- MINIMUM DEVELOPMENT LENGTH FOR TOR STEEL SHALL BE 50d, WHERE 'd' IS DIA OF MAIN REINFORCEMENT.
- THE LAP SHALL BE STAGGERED AND AVOIDED AT THE POINT OF MAXIMUM BENDING MOMENT.
- ALL DIMENSION & LEVEL ARE IN FEET-INCH.

SIGNATURE :-

DRAWN:- AR. DHANESHWARI
DESIGN:- ER. PABITRA

PROJECT TITLE:-

K.I.P SOUMYA

STATUS:

ISSUED FOR CONSTRUCTION

DATE: 04-05-2022
SCALE NTS
DWG NO: 36

DRAWING TITLE:-

STILT FLOOR ELECTRICAL LAYOUT



APS DESIGN INFRA PVT. LTD
 # B/48, BDA DUPLEX COLONY
 BARMUNDA Bhubaneswar,
 Pin- 751003
 8 6 5 8 6 7 7 4 2 5
 info@apsdesigninfra.com
 www.apsdesigninfra.com

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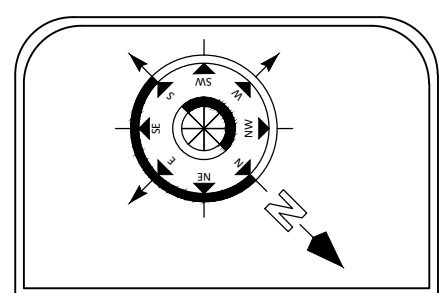
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TYPICAL (1to3rd) FLOOR ELECTRICAL LAYOUT

SL	SYMBOL	LEGEND OF ELECTRICAL FITTINGS SPECIFICATION
01		1400mm Sweep Ceiling Fan
02		
03		20W Led Tube Light
04		20W Led Tube Light Surface Mounted (UPS)
05		380mm Sweep Exhaust Fan
06		TV Point
07		5Amps Switch + Plug Socket Outlet Only On Independent Board
08		15Amps Switch + Plug Socket Outlet Only On Independent Board
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23		Switch Board
24		Mirror Light
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26		Fridge
27		Calling Bell Switch
28		Calling Bell
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30		Dome Camera (Indoor Camera)
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36		Inspection Chamber for Internet Cable
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40		TV Antenna (MDU)
41		Dressing Unit
42		Foot Light
43		Shoe Polishing Machine
44		Sanitizer Machine
45		Solar Inverter
46		Lead Acid Battery
47		Weather Proof Outdoor light/ Facade Light
48		Junction Box
49		Switch Board with two way switch
50		UPS power switch Board with two way switch

LEGEND	DESCRIPTION
	WALL SIDE BELOW THE BEAM
	WALL CENTRE BELOW THE BEAM



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DRAWN:-	AR. DHANESHWARI
DESIGN:-	ER. PABITRA

PROJECT TITLE:-

K.I.P SOUMYA

STATUS:

ISSUED FOR CONSTRUCTION

DATE:	04-05-2022
SCALE	NTS
DWG NO:	37

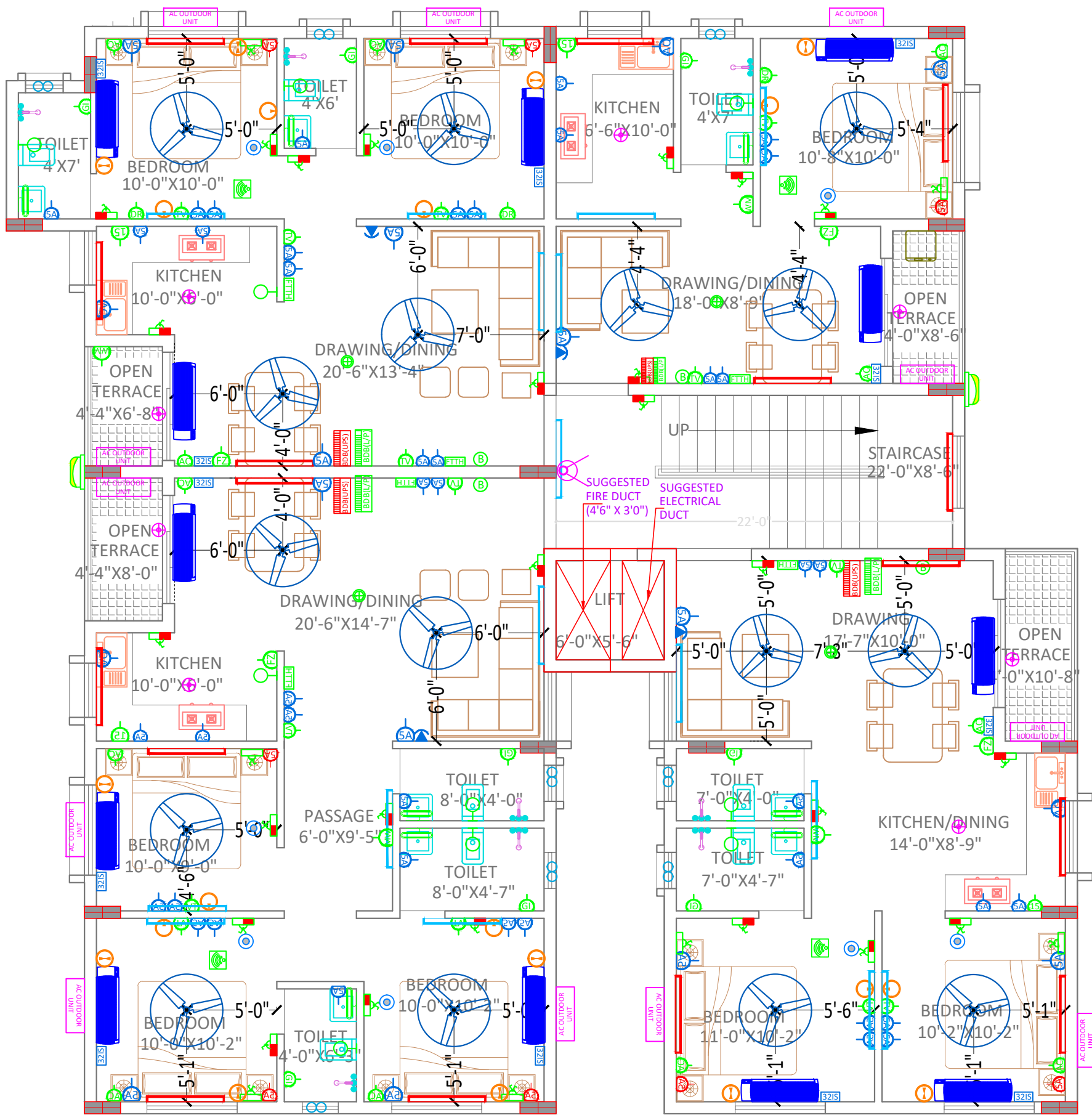
DRAWING TITLE:-

TYPICAL (1to3rd) FLOOR ELECTRICAL LAYOUT

APS DESIGN INFRA PVT. LTD
 # B/48, BDA DUPLEX COLONY
 BARMUNDA Bhubaneswar,
 Pin- 751003
 8 6 5 8 6 7 7 4 2 5
 info@apsdesigninfra.com
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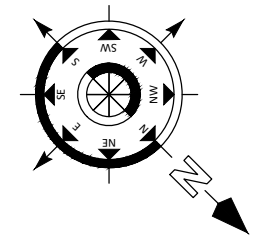
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4th FLOOR ELECTRICAL LAYOUT

SL	SYMBOL	LEGEND OF ELECTRICAL FITTINGS	SPECIFICATION
01		1400mm Sweep Ceiling Fan	
02			
03		20W Led Tube Light	
04		20W Led Tube Light Surface Mounted (UPS)	
05		380mm Sweep Exhaust Fan	
06		TV Point	
07		5Amps Switch + Plug Socket Outlet Only On Independent Board	
08		15Amps Switch + Plug Socket Outlet Only On Independent Board	
09		Electrical Panel	
10		Branch Distribution Board Light	
11		Branch Distribution Board Power	
12		Branch Distribution Board Power (UPS)	
13		32A Industrial Switch	
14		32A Industrial Socket	
15		18 watt LED Circular	
16		Ceiling Rose	
17		Split AC Indoor Unit	
18		AC Outdoor Unit	
19		Geyser Point	
20		Telephone Point	
21		Switch Board With UPS Supply	
22		15 watt CFL Bulb (Wall Mounted)	
23		Switch Board	
24		Mirror Light	
25		Aquaguard Water Purifier	
26		Fridge	
27		Calling Bell Switch	
28		Calling Bell	
29		Bullet Camera (Outdoor Camera)	
30		Dome Camera (Indoor Camera)	
31		20W Led Tube Light Ceiling Mounted	
32		Electric Vehicle Charging Point	
33		FTTH	
34		Water Sensor Panel	
35		Pump Panel	
36		Inspection Chamber for Internet Cable	
38		16 amps IP 67 Socket & Switch	
39		Switch Board with UPS Powered	
40		TV Antenna (MDU)	
41		Dressing Unit	
42		Foot Light	
43		Shoe Polishing Machine	
44		Sanitizer Machine	
45		Solar Inverter	
46		Lead Acid Battery	
47		Weather Proof Outdoor light/ Facade Light	
48		Junction Box	
49		Switch Board with two way switch	
50		UPS power switch Board with two way switch	

LEGEND	DESCRIPTION
	WALL SIDE BELOW THE BEAM
	WALL CENTRE BELOW THE BEAM



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- MINIMUM DEVELOPMENT LENGTH FOR TOR STEEL SHALL BE 50d, WHERE 'd' IS DIA OF MAIN REINFORCEMENT.
- THE LAP SHALL BE STAGGERED AND AVOIDED AT THE POINT OF MAXIMUM BENDING MOMENT .
- ALL DIMENSION & LEVEL ARE IN FEET-INCH.

SIGNATURE :-

DRAWN:-	AR. DHANESHWARI
DESIGN:-	ER. PABITRA

PROJECT TITLE:-

K.I.P SOUMYA

STATUS:

ISSUED FOR CONSTRUCTION

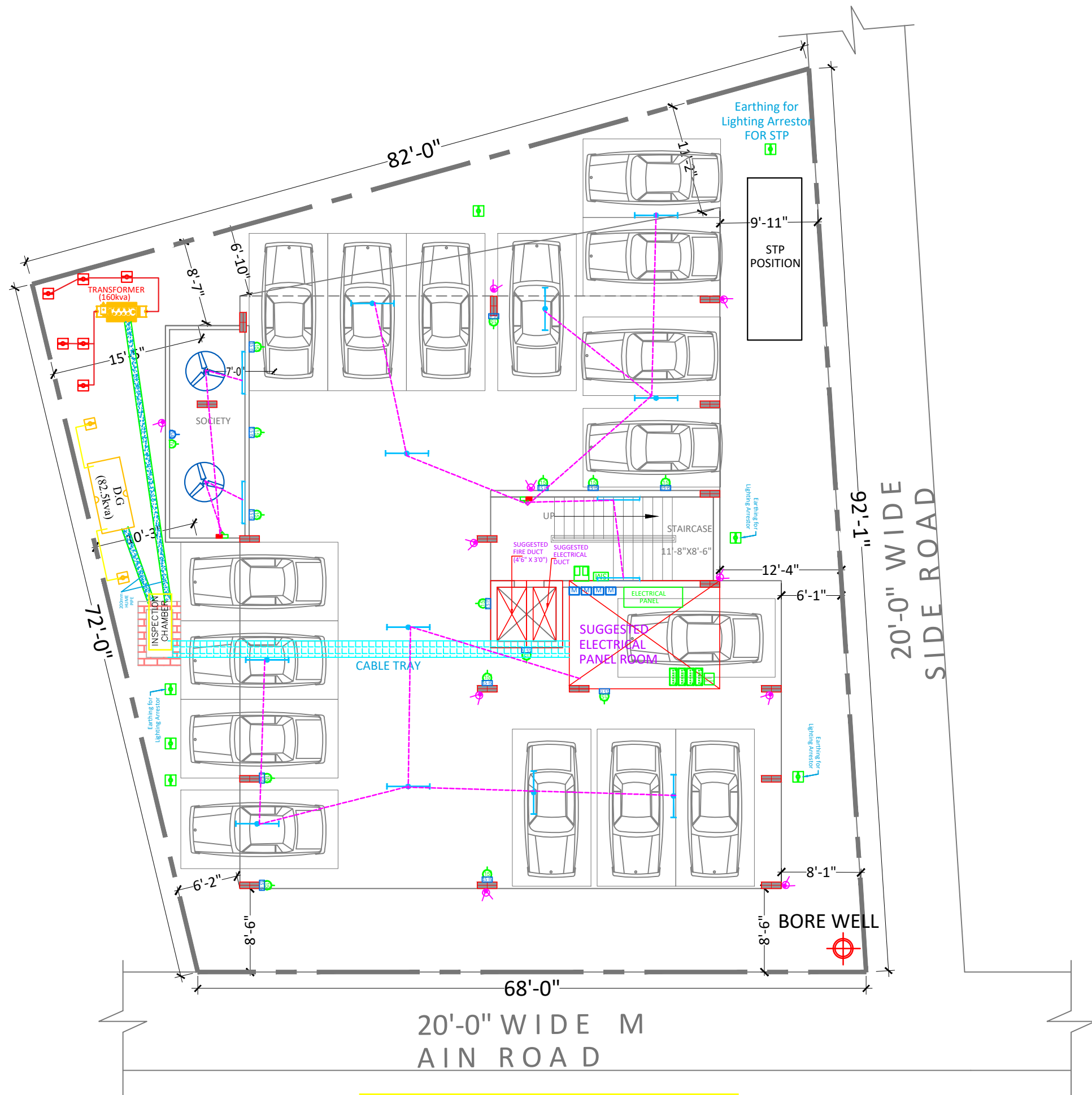
DATE:	04-05-2022
SCALE	NTS
DWG NO:	38

DRAWING TITLE:-

**4th FLOOR
ELECTRICAL
LAYOUT**

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 BARMUNDA Bhubaneswar,
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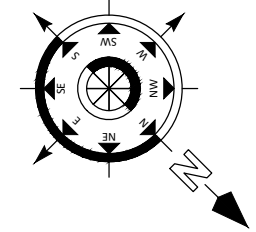
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STILT FLOOR ELECTRICAL CONDUIT LAYOUT

SL	SYMBOL	LEGEND OF ELECTRICAL FITTINGS SPECIFICATION
01		1400mm Sweep Ceiling Fan
02		
03		20W Led Tube Light
04		20W Led Tube Light Surface Mounted (UPS)
05		380mm Sweep Exhaust Fan
06		TV Point
07		5Amps Switch + Plug Socket Outlet Only On Independent Board
08		15Amps Switch + Plug Socket Outlet Only On Independent Board
09		Electrical Panel
10		Branch Distribution Board Light
11		Branch Distribution Board Power
12		Branch Distribution Board Power (UPS)
13		32A Industrial Switch
14		32A Industrial Socket
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16		Ceiling Rose
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18		AC Outdoor Unit
19		Geyser Point
20		Telephone Point
21		Switch Board With UPS Supply
22		15 watt CFL Bulb (Wall Mounted)
23		Switch Board
24		Mirror Light
25		Aquaguard Water Purifier
26		Fridge
27		Calling Bell Switch
28		Calling Bell
29		Bullet Camera (Outdoor Camera)
30		Dome Camera (Indoor Camera)
31		20W Led Tube Light Ceiling Mounted
32		Electric Vehicle Charging Point
33		FTTH
34		Water Sensor Panel
35		Pump Panel
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41		Dressing Unit
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46		Lead Acid Battery
47		Weather Proof Outdoor light/ Facade Light
48		Junction Box
49		Switch Board with two way Switch
50		UPS power switch Board with two way switch

LEGEND	DESCRIPTION
	WALL SIDE BELOW THE BEAM
	WALL CENTRE BELOW THE BEAM



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SIGNATURE :-

DRAWN:- AR. DHANESHWARI

DESIGN:- ER. PABITRA

PROJECT TITLE:-

K.I.P SOUMYA

STATUS:

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DATE: 04-05-2022

SCALE NTS

DWG NO: 39

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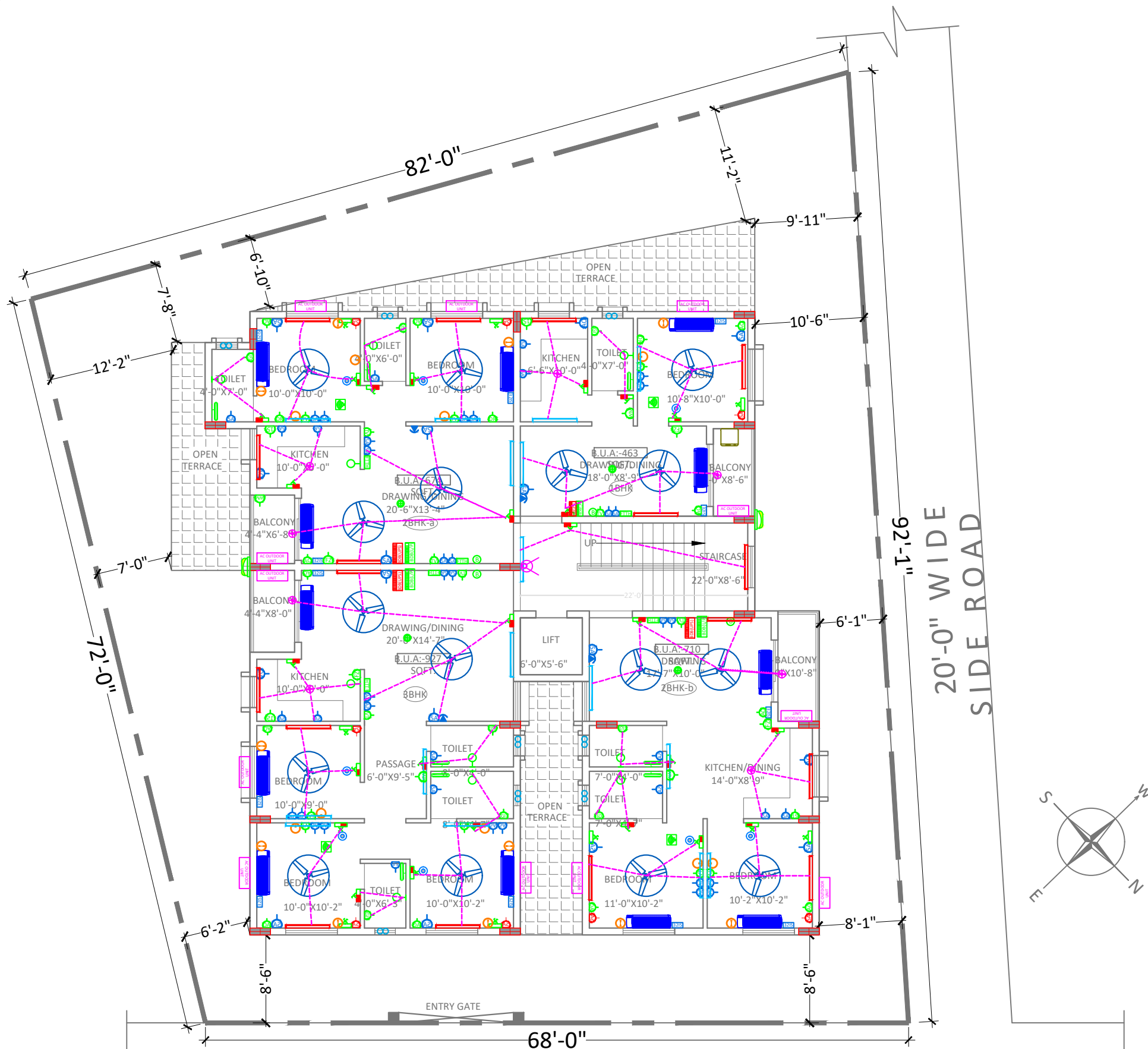
STILT FLOOR ELECTRICAL CONDUIT LAYOUT



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 www.apsdesigninfra.com

STAMP/SIGNATURE :-

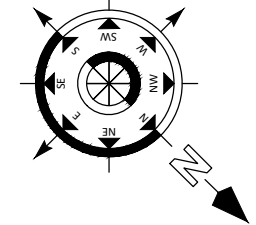
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TYPICAL (1to 3rd) FLOOR ELECTRICAL CONDUIT LAYOUT

SL	SYMBOL	LEGEND OF ELECTRICAL FITTINGS SPECIFICATION
01		1400mm Sweep Ceiling Fan
02		
03		20W Led Tube Light
04		20W Led Tube Light Surface Mounted (UPS)
05		380mm Sweep Exhaust Fan
06		TV Point
07		5Amps Switch + Plug Socket Outlet Only On Independent Board
08		15Amps Switch + Plug Socket Outlet Only On Independent Board
09		Electrical Panel
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11		Branch Distribution Board Power
12		Branch Distribution Board Power (UPS)
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20		Telephone Point
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23		Switch Board
24		Mirror Light
25		Aquaguard Water Purifier
26		Fridge
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28		Calling Bell
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49		Switch Board with two way Switch
50		UPS power switch Board with two way switch

LEGEND	DESCRIPTION
	WALL SIDE BELOW THE BEAM
	WALL CENTRE BELOW THE BEAM



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SIGNATURE :-

DRAWN:-	AR. DHANESHWARI
DESIGN:-	ER. PABITRA

PROJECT TITLE:-

K.I.P SOUMYA

STATUS:

ISSUED FOR CONSTRUCTION

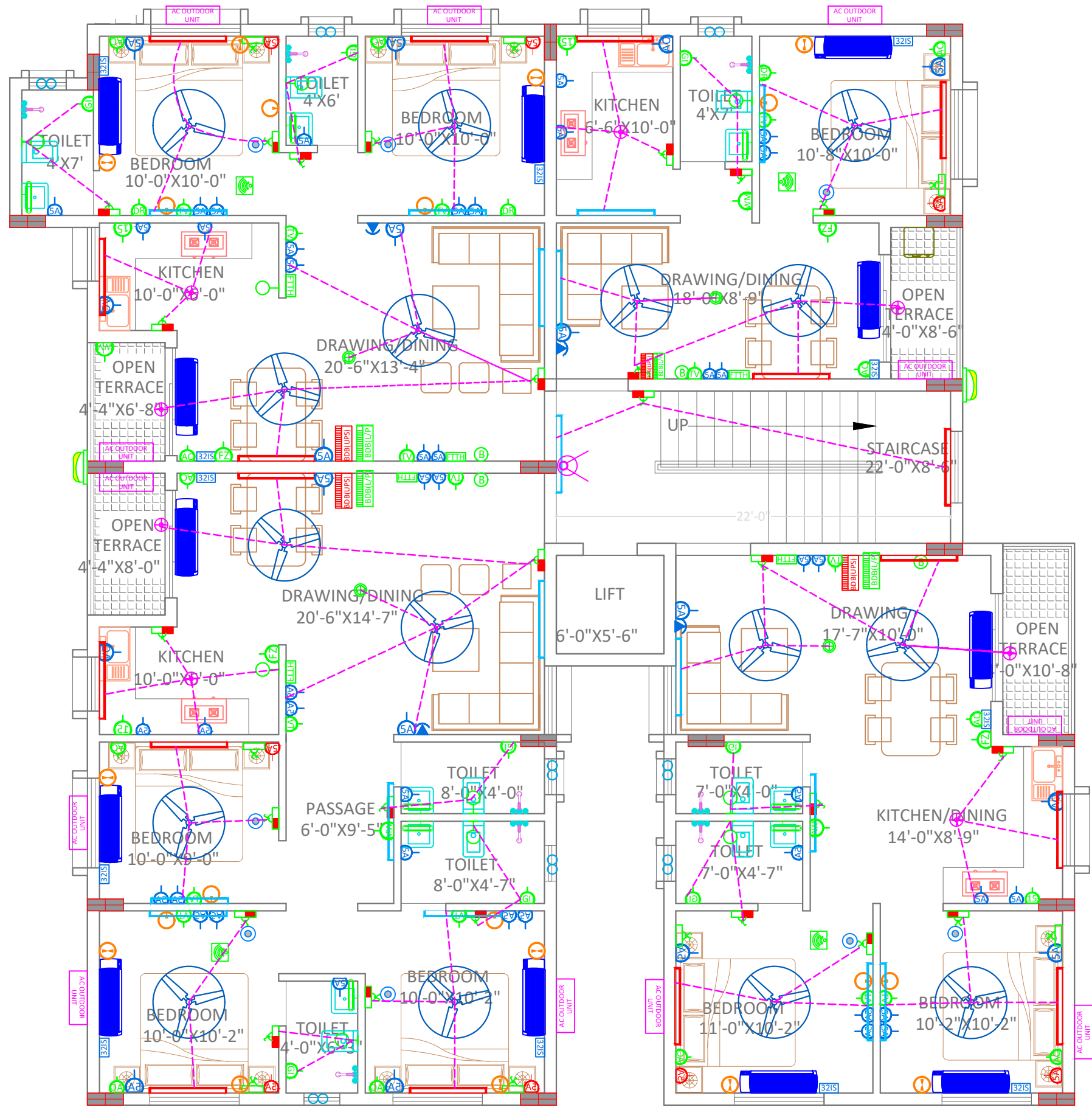
DATE:	04-05-2022
SCALE	NTS
DWG NO:	40

DRAWING TITLE:-

TYPICAL (1to 3rd) FLOOR ELECTRICAL CONDUIT LAYOUT

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 BARMUNDA Bhubaneswar,
 Pin- 751003
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 info@apsdesigninfra.com
 www.apsdesigninfra.com

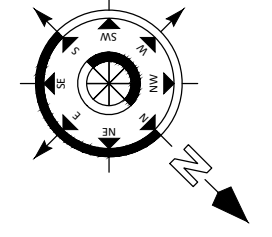
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4th FLOOR
ELECTRICAL CONDUIT LAYOUT

SL	SYMBOL	LEGEND OF ELECTRICAL FITTINGS SPECIFICATION
01		1400mm Sweep Ceiling Fan
02		
03		20W Led Tube Light
04		20W Led Tube Light Surface Mounted (UPS)
05		380mm Sweep Exhaust Fan
06		TV Point
07		5Amps Switch + Plug Socket Outlet Only On Independent Board
08		15Amps Switch + Plug Socket Outlet Only On Independent Board
09		Electrical Panel
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11		Branch Distribution Board Power
12		Branch Distribution Board Power (UPS)
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41		Dressing Unit
42		Foot Light
43		Shoe Polishing Machine
44		Sanitizer Machine
45		Solar Inverter
46		Lead Acid Battery
47		Weather Proof Outdoor light/ Facade Light
48		Junction Box
49		Switch Board with two way switch
50		UPS power switch Board with two way switch

LEGEND	DESCRIPTION
	WALL SIDE BELOW THE BEAM
	WALL CENTRE BELOW THE BEAM



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- ALL DIMENSION & LEVEL ARE IN FEET-INCH.

SIGNATURE :-

DRAWN:-	AR. DHANESHWARI
DESIGN:-	ER. PABITRA

PROJECT TITLE:-

K.I.P SOUMYA

STATUS:

ISSUED FOR CONSTRUCTION

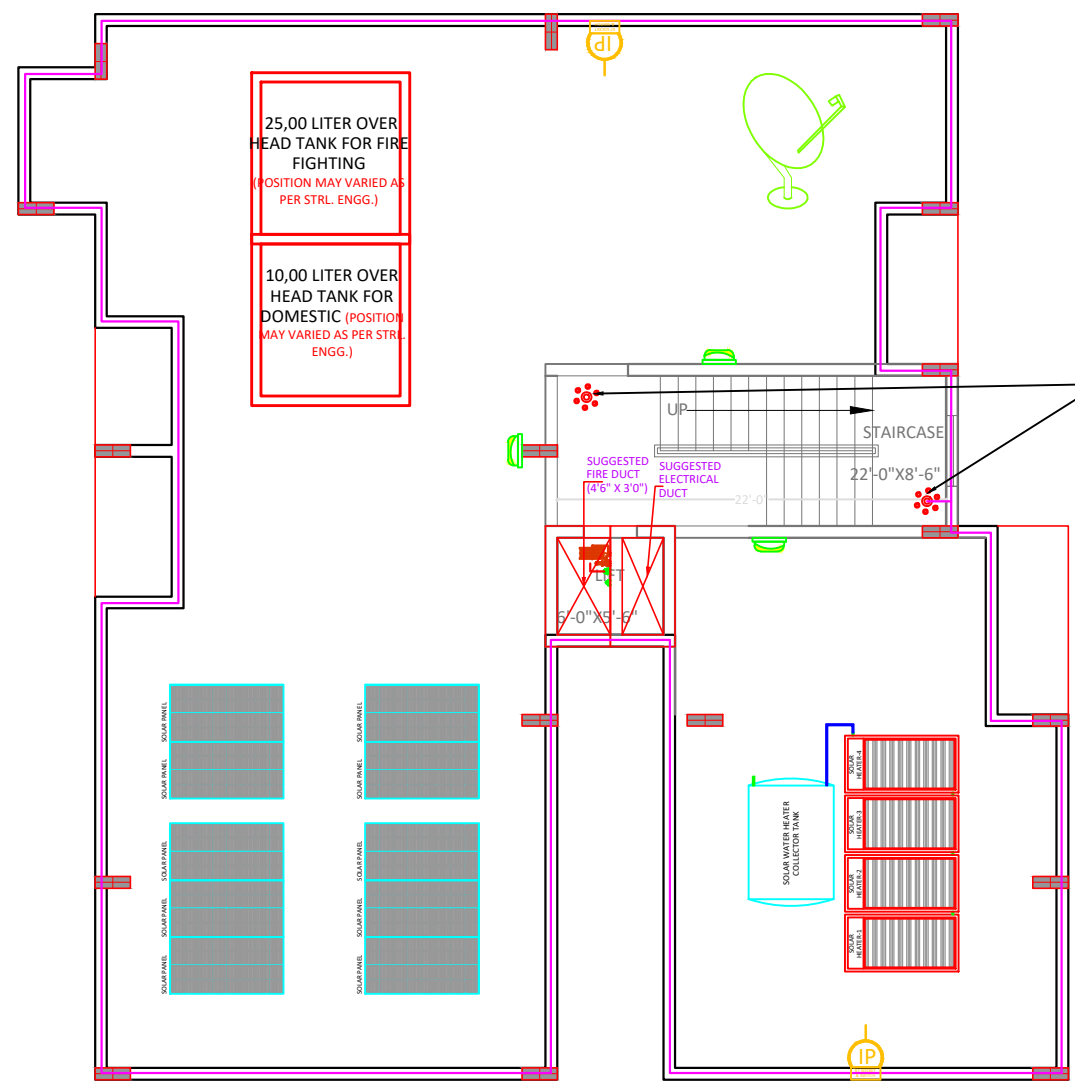
DATE:	04-05-2022
SCALE	NTS
DWG NO:	41

DRAWING TITLE:-

4th FLOOR
ELECTRICAL
CONDUIT LAYOUT

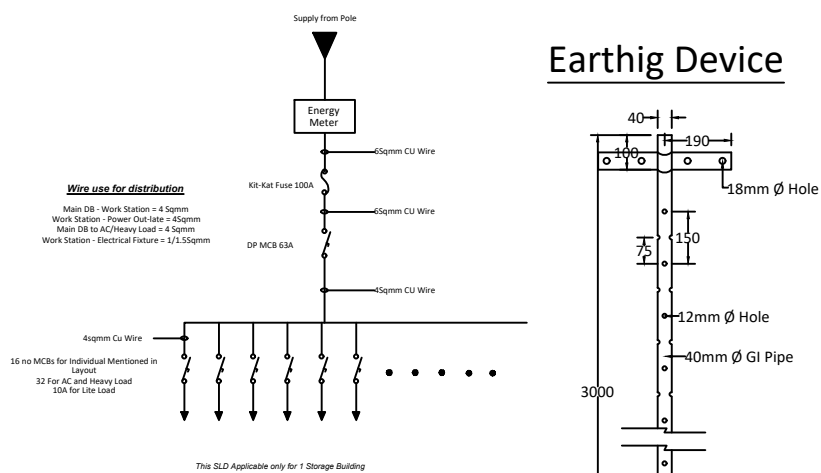
APS DESIGN INFRA PVT. LTD
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BARMUNDA Bhubaneswar,
Pin- 751003
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STAMP/SIGNATURE :-



TERRACE FLOOR PLAN

Surge Arrestor AT HEADROOM ROOF LEVEL



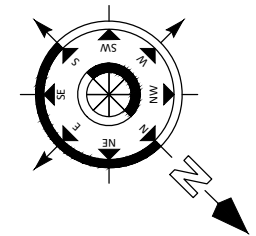
- Main Distribution Box Details**
- Use individual MCB for individual Work Station shown on Layout (From DB)
 - Use individual MCB for AC point
 - Use individual MCB for CCTV
 - Need Separate supply from Main DB which mention "From DB"

HEIGHT NOTES:-

1. SOFA / BED SIDE SWITCH BOARD- 2'6"
2. CHIMNEY & AQUAGUARD SOCKET BOARD- 5'6"
3. LIGHT POINTS - 7'6"
4. SWITCH BOARDS IN KITCHEN ABOVE PLATFORM- 1'0" ABOVE PLATFORM
5. A.C / GEYSER SOCKET BOARD - 7'6"
6. ALL THE OTHER SWITCH BOARD - 4'0"

SL	SYMBOL	LEGEND OF ELECTRICAL FITTINGS SPECIFICATION
01		1400mm Sweep Ceiling Fan
02		
03		20W Led Tube Light
04		20W Led Tube Light Surface Mounted (UPS)
05		380mm Sweep Exhaust Fan
06		TV Point
07		5Amps Switch + Plug Socket Outlet Only On Independent Board
08		15Amps Switch + Plug Socket Outlet Only On Independent Board
09		Electrical Panel
10		Branch Distribution Board Light
11		Branch Distribution Board Power
12		Branch Distribution Board Power (UPS)
13		32A Industrial Switch
14		32A Industrial Socket
15		18 watt LED Circular
16		Ceiling Rose
17		Split AC Indoor Unit
18		AC Outdoor Unit
19		Geyser Point
20		Telephone Point
21		Switch Board With UPS Supply
22		15 watt CFL Bulb (Wall Mounted)
23		Switch Board
24		Mirror Light
25		Aquaguard Water Purifier
26		Fridge
27		Calling Bell Switch
28		Calling Bell
29		Bullet Camera (Outdoor Camera)
30		Dome Camera (Indoor Camera)
31		20W Led Tube Light Ceiling Mounted
32		Electric Vehicle Charging Point
33		FTTH
34		Water Sensor Panel
35		Pump Panel
36		Inspection Chamber for Internet Cable
38		16 amps IP 67 Socket & Switch
39		Switch Board with UPS Powered
40		TV Antenna (MDU)
41		Dressing Unit
42		Foot Light
43		Shoe Polishing Machine
44		Sanitizer Machine
45		Solar Inverter
46		Lead Acid Battery
47		Weather Proof Outdoor light/ Facade Light
48		Junction Box
49		Switch Board with two way Switch
50		UPS power switch Board with two way switch

LEGEND	DESCRIPTION
	WALL SIDE BELOW THE BEAM
	WALL CENTRE BELOW THE BEAM



Note:

- ONLY WRITTEN DIMENSION SHOULD BE FOLLOWED.
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS AND SITE CONDITIONS.
- ANY DISCREPANCY IN THE DRAWING SHOULD BE BROUGHT TO THE KNOWLEDGE OF CONSULTANT BEFORE EXECUTION.
- LOAD HAS BEEN TAKEN FOR (0+2) FLOORS ONLY.
- CLEAR COVER TO MAIN REINFORCEMENT SHALL BE FOR COLUMN - 40MM, PLINTH BEAM - 50MM
- FOOTING-50mm, BEAM-25mm, SLAB - 20mm .
- THE MIX FOR ALL R.C.C. WORK SHALL BE M-20 (1:1.5:3)
- ALL THE REINFORCEMENT SHALL BE Fe-500(HYSD BARS)
- MINIMUM DEVELOPMENT LENGTH FOR TOR STEEL SHALL BE 50d, WHERE 'd' IS DIA OF MAIN REINFORCEMENT.
- THE LAP SHALL BE STAGGERED AND AVOIDED AT THE POINT OF MAXIMUM BENDING MOMENT .
- ALL DIMENSION & LEVEL ARE IN FEET-INCH.

SIGNATURE :-

DRAWN:- AR. DHANESHWARI
DESIGN:- ER. PABITRA

PROJECT TITLE:-
K.I.P SOUMYA

STATUS:
 ISSUED FOR CONSTRUCTION

DATE: 04-05-2022
SCALE NTS
DWG NO: 42

DRAWING TITLE:-
TERRACE FLOOR PLAN

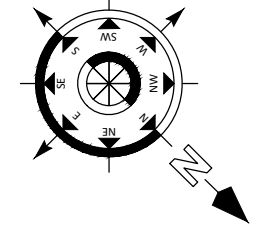
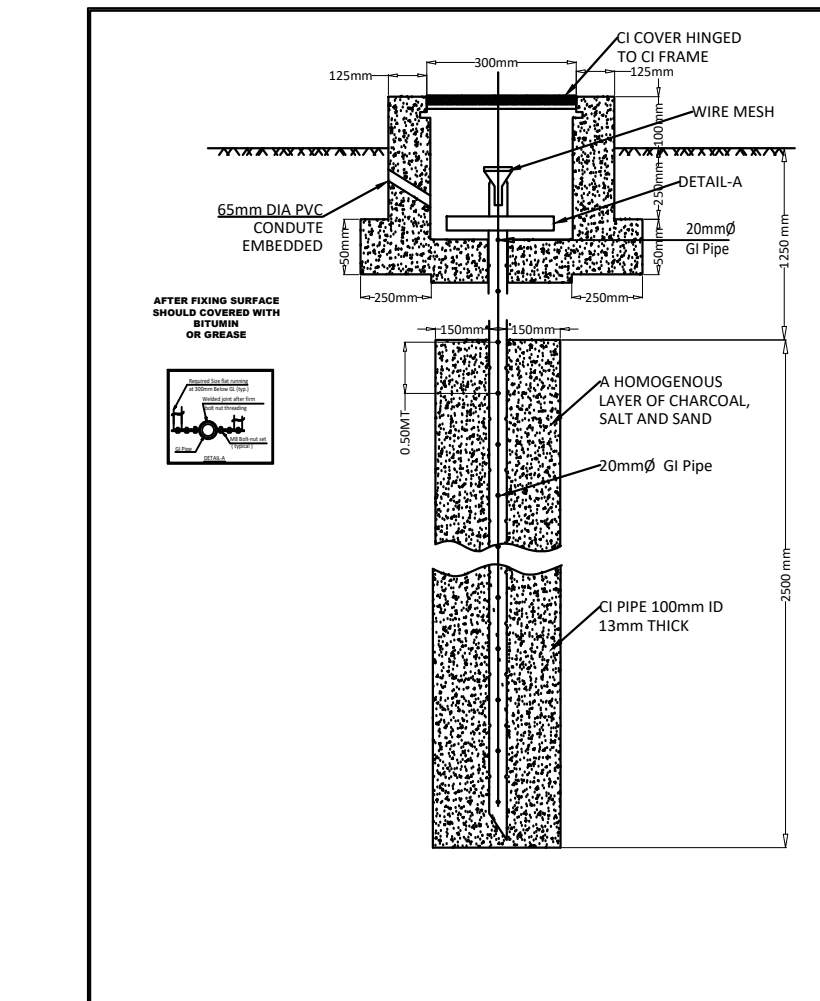
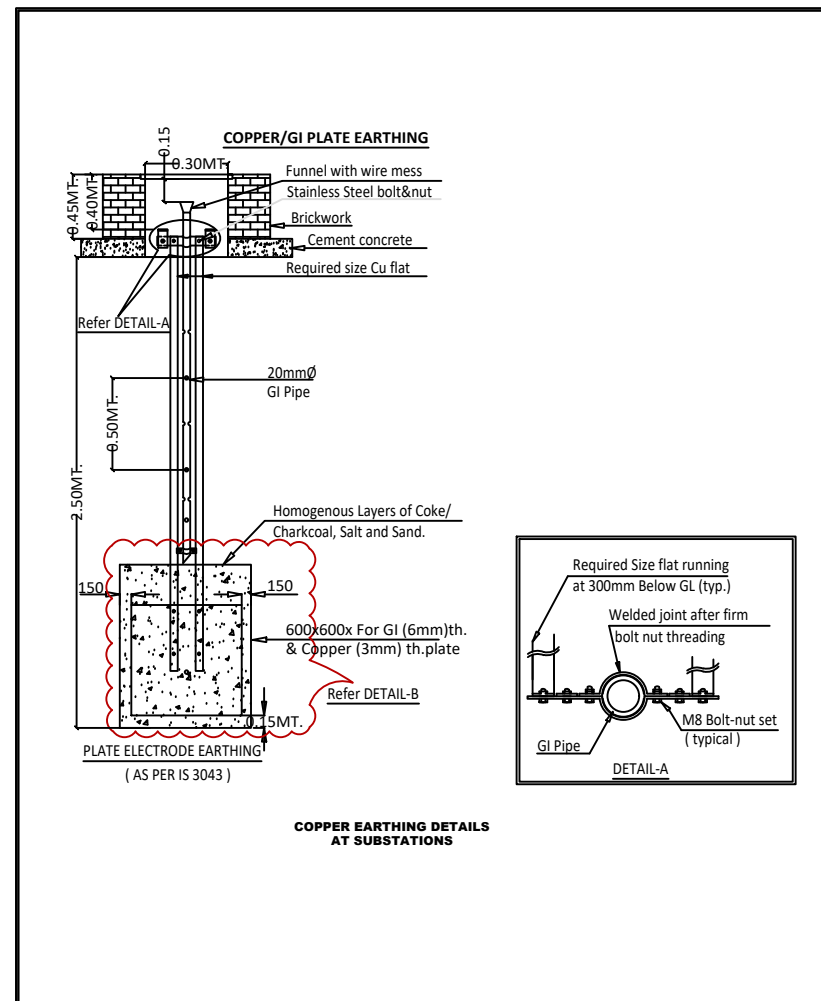
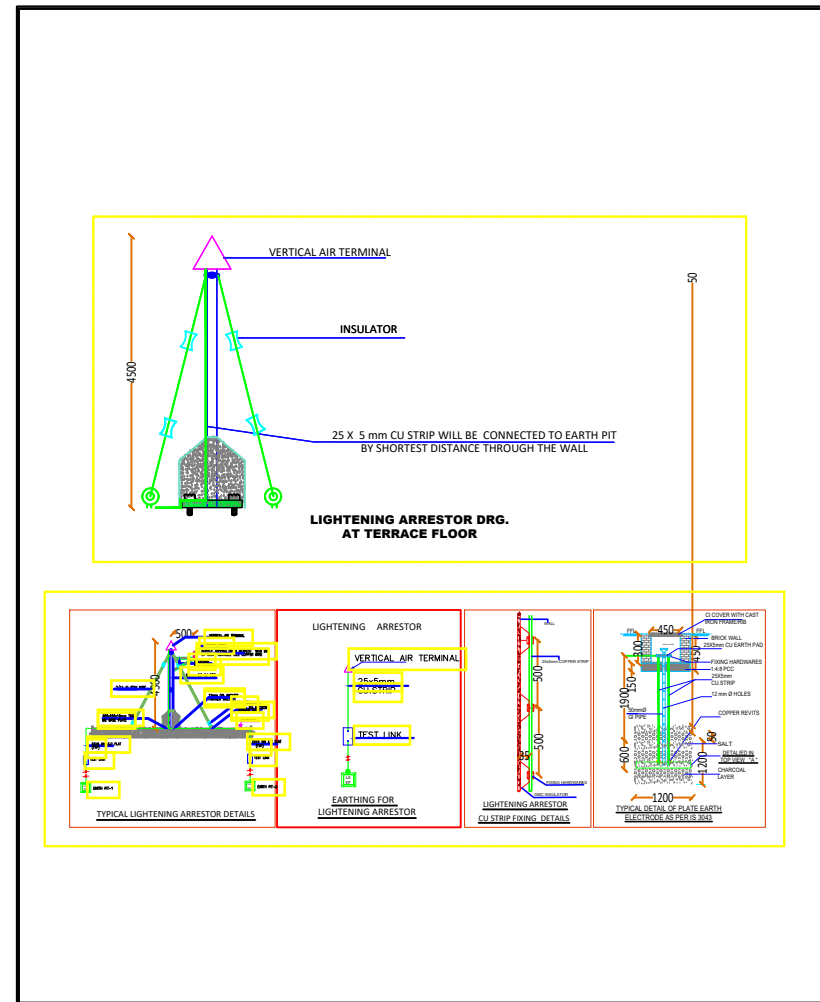
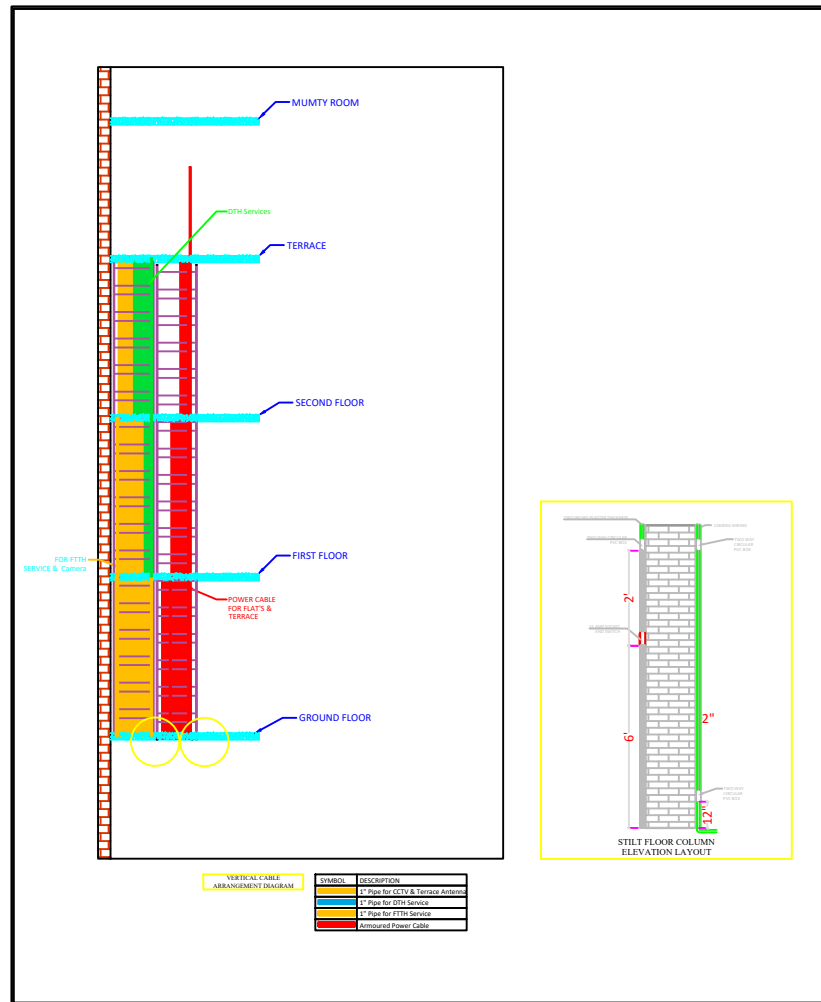
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NOTE :

1. Drawing is to be read inconjunction of all other architectural drawings.
2. P.V.C. conduit should be of HMS quality and minimum 20mm dia.
3. No conduit is to run in columns & beams,only horizontal crossing & vertical drops in beams is allowed.
4. Minimum 20mm. gaps between two conduit is to be maintained to allow concrete or cement mortar between them.
5. Execution is to be carried out as per I.S specifications.
6. Fan boxes untill unless mentioned is to be located in the centre of the area.
7. 15A switch for Geysers can be located in a separate switch board according to site conditions.
8. All the dimension mentioned in the legend and height notes. It may change according to site conditions.



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- FOOTING-50mm, BEAM-25mm, SLAB - 20mm .
- THE MIX FOR ALL R.C.C. WORK SHALL BE M-20 (1:1.5:3).
- ALL THE REINFORCEMENT SHALL BE F6-500(HYSD BARS).
- MINIMUM DEVELOPMENT LENGTH FOR TOR STEEL SHALL BE 50d, WHERE 'd' IS DIA OF MAIN REINFORCEMENT.
- THE LAP SHALL BE STAGGERED AND AVOIDED AT THE POINT OF MAXIMUM BENDING MOMENT.
- ALL DIMENSION & LEVEL ARE IN FEET-INCH.

SIGNATURE :-

DRAWN:- AR. DHANESHWARI
DESIGN:- ER. PABITRA

PROJECT TITLE:-
K.I.P SOUMYA

STATUS:
ISSUED FOR CONSTRUCTION

DATE: 04-05-2022
SCALE: NTS
DWG NO: 43

DRAWING TITLE:-
**ELECTRICAL
DETAIL DRAWING**

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BARMUNDA Bhubaneswar,
Pin- 751003
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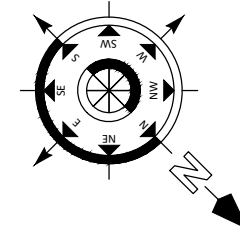
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TYPICAL (1to 3rd) FLOOR ELECTRICAL **CIRCUIT** LAYOUT

SL	SYMBOL	LEGEND OF ELECTRICAL FITTINGS SPECIFICATION
01		1400mm Sweep Ceiling Fan
02		
03		20W Led Tube Light
04		20W Led Tube Light Surface Mounted (UPS)
05		380mm Sweep Exhaust Fan
06		TV Point
07		5Amps Switch + Plug Socket Outlet Only On Independent Board
08		15Amps Switch + Plug Socket Outlet Only On Independent Board
09		Electrical Panel
10		Branch Distribution Board Light
11		Branch Distribution Board Power
12		Branch Distribution Board Power (UPS)
13		32A Industrial Switch
14		32A Industrial Socket
15		18 watt LED Circular
16		Ceiling Rose
17		Split AC Indoor Unit
18		AC Outdoor Unit
19		Geyser Point
20		Telephone Point
21		Switch Board With UPS Supply
22		15 watt CFL Bulb (Wall Mounted)
23		Switch Board
24		Mirror Light
25		Aquaguard Water Purifier
26		Fridge
27		Calling Bell Switch
28		Calling Bell
29		Bullet Camera (Outdoor Camera)
30		Dome Camera (Indoor Camera)
31		20W Led Tube Light Ceiling Mounted
32		Electric Vehicle Charging Point
33		FTTH
34		Water Sensor Panel
35		Pump Panel
36		Inspection Chamber for Internet Cable
38		16 amps IP 67 Socket & Switch
39		Switch Board with UPS Powered
40		TV Antenna (MDU)
41		Dressing Unit
42		Foot Light
43		Shoe Polishing Machine
44		Sanitizer Machine
45		Solar Inverter
46		Lead Acid Battery
47		Weather Proof Outdoor light/ Facade Light
48		Junction Box
49		Switch Board with two way switch
50		UPS power switch Board with two way switch

LEGEND	DESCRIPTION
	WALL SIDE BELOW THE BEAM
	WALL CENTRE BELOW THE BEAM



Note:

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- FOOTING-50mm, BEAM-25mm, SLAB - 20mm .
- THE MIX FOR ALL R.C.C. WORK SHALL BE M-20 (1:1.5:3)
- ALL THE REINFORCEMENT SHALL BE Fe-500(HYSD BARS)
- MINIMUM DEVELOPMENT LENGTH FOR TOR STEEL SHALL BE 50d, WHERE 'd' IS DIA OF MAIN REINFORCEMENT.
- THE LAP SHALL BE STAGGERED AND AVOIDED AT THE POINT OF MAXIMUM BENDING MOMENT .
- ALL DIMENSION & LEVEL ARE IN FEET-INCH.

SIGNATURE :-

DRAWN:- AR. DHANESHWARI

DESIGN:- ER. PABITRA

PROJECT TITLE:-

K.I.P SOUMYA

STATUS:

ISSUED FOR CONSTRUCTION

DATE: 04-05-2022

SCALE NTS

DWG NO: 44

DRAWING TITLE:-

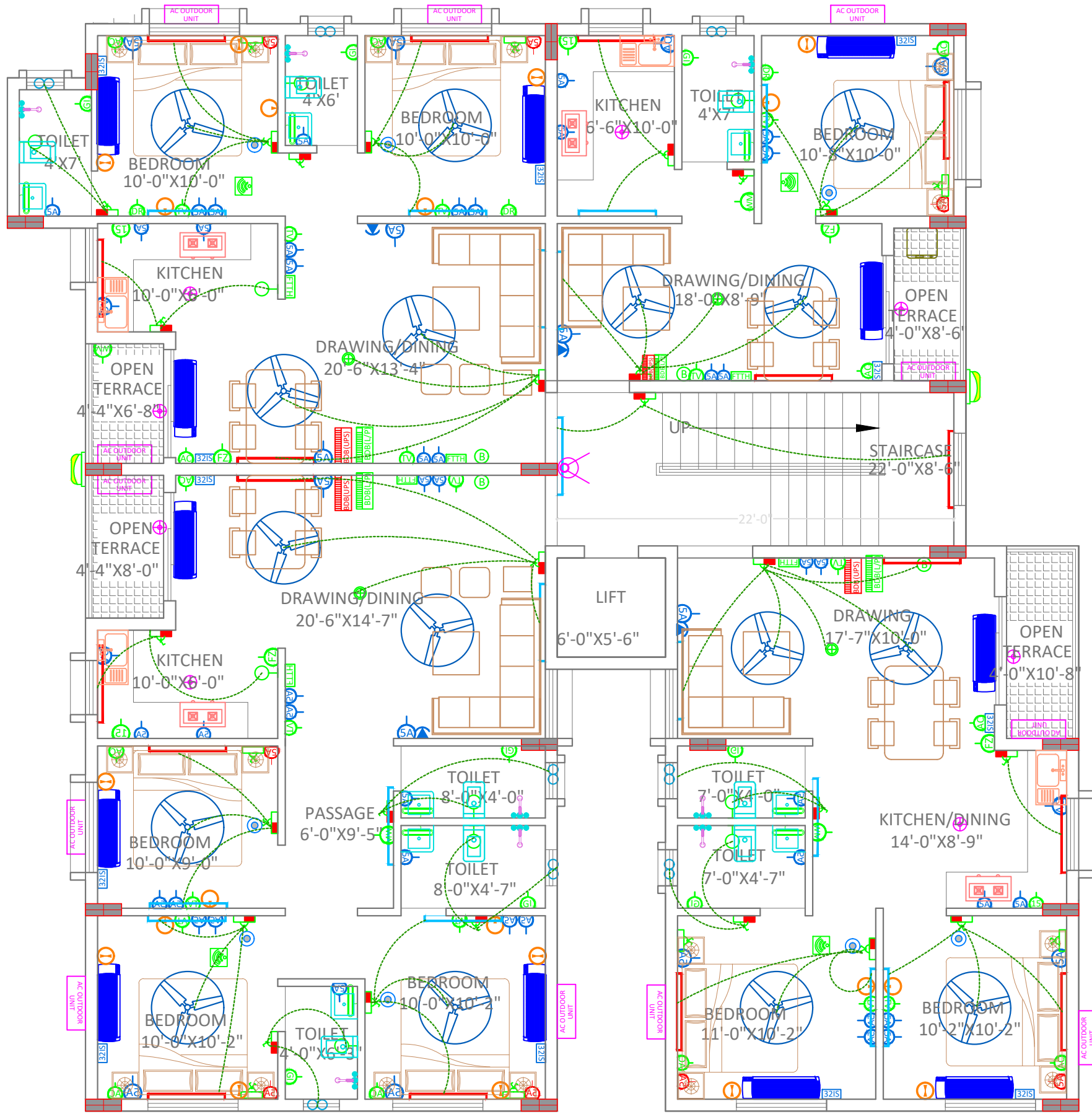
TYPICAL (1to 3rd) FLOOR ELECTRICAL **CIRCUIT** LAYOUT



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 BARMUNDA Bhubaneswar,
 Pin- 751003
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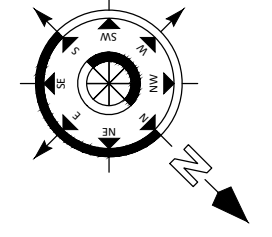
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**4th FLOOR
ELECTRICAL
CIRCUIT LAYOUT**

SL	SYMBOL	LEGEND OF ELECTRICAL FITTINGS SPECIFICATION
01		1400mm Sweep Ceiling Fan
02		
03		20W Led Tube Light
04		20W Led Tube Light Surface Mounted (UPS)
05		380mm Sweep Exhaust Fan
06		TV Point
07		5Amps Switch + Plug Socket Outlet Only On Independent Board
08		15Amps Switch + Plug Socket Outlet Only On Independent Board
09		Electrical Panel
10		Branch Distribution Board Light
11		Branch Distribution Board Power
12		Branch Distribution Board Power (UPS)
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23		Switch Board
24		Mirror Light
25		Aquaguard Water Purifier
26		Fridge
27		Calling Bell Switch
28		Calling Bell
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30		Dome Camera (Indoor Camera)
31		20W Led Tube Light Ceiling Mounted
32		Electric Vehicle Charging Point
33		FTTH
34		Water Sensor Panel
35		Pump Panel
36		Inspection Chamber for Internet Cable
38		16 amps IP 67 Socket & Switch
39		Switch Board with UPS Powered
40		TV Antenna (MDU)
41		Dressing Unit
42		Foot Light
43		Shoe Polishing Machine
44		Sanitizer Machine
45		Solar Inverter
46		Lead Acid Battery
47		Weather Proof Outdoor light/ Facade Light
48		Junction Box
49		Switch Board with two way Switch
50		UPS power switch Board with two way switch

LEGEND	DESCRIPTION
	WALL SIDE BELOW THE BEAM
	WALL CENTRE BELOW THE BEAM



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- FOOTING-50mm, BEAM-25mm, SLAB - 20mm .
- THE MIX FOR ALL R.C.C. WORK SHALL BE M-20 (1:1.5:3)
- ALL THE REINFORCEMENT SHALL BE Fe-500(HYSD BARS)
- MINIMUM DEVELOPMENT LENGTH FOR TOR STEEL SHALL BE 50d, WHERE 'd' IS DIA OF MAIN REINFORCEMENT.
- THE LAP SHALL BE STAGGERED AND AVOIDED AT THE POINT OF MAXIMUM BENDING MOMENT .
- ALL DIMENSION & LEVEL ARE IN FEET-INCH.

SIGNATURE :-

DRAWN:-	AR. DHANESHWARI
DESIGN:-	ER. PABITRA

PROJECT TITLE:-

K.I.P SOUMYA

STATUS:

ISSUED FOR CONSTRUCTION

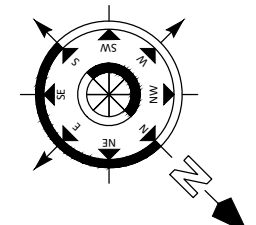
DATE:	04-05-2022
SCALE	NTS
DWG NO:	45

DRAWING TITLE:-

**4th FLOOR
ELECTRICAL
CIRCUIT LAYOUT**

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 BARMUNDA Bhubaneswar,
 Pin- 751003
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STAMP/SIGNATURE :-



TYPICAL FLOOR PLAN
(1ST TO 3RD)

1ST TO 3RD FLOOR INTERNAL WATER SUPPLY

LEGENDS:-

	100 MM Ø CI HOBELESS SW PIPE.
	100MM Ø UPVC SW PIPE.
	160MM Ø UPVC SW PIPE.
	GULLY TRAP CHAMBER.
	INSPECTION CHAMBER. (I.C.) (INSIDE SIZE = 760mm x 760mm x 460mm.)
	MANHOLE (MH1) (INSIDE SIZE = 900mm x 900mm x 900mm)
	MANHOLE (MH2) (INSIDE SIZE = 1200mm Ø)
	100Ø SOIL STACK
	100Ø WASTE STACK
	100mm Ø WASTE WATER HOBELESS PIPE INSIDE TOILET
	100mm Ø SOLID WASTE HOBELESS PIPE INSIDE TOILET
	CPVC WATER SUPPLY PIPE FOR ALL FIXTURE

LEGEND FOR SANITARY FITTINGS

	EUROPEAN WATER CLOSET WITH CISTERN {Cat No.92088(S30) Pastel color(Hindware) or Equivalent}
	(550x400)mm W.H.BASIN WITH PORCELAIN PEDESTAL (Parryware/Hindware/Neycer/Equivalent)
	Under Counter top basin (Hindware)Round Cat No.10065 Pastel color+spreader+dome waste. (Hindware OR Equivalent){Counter size (600x500)mm}
	600x450x250mm stainless steel kitchen sink with drain board(Jayana/Somany)
	CP SOAP HOLDER
	25MM X 600MM LONG CP TOWEL RAIL
	AQUA GUARD
	600MM X 450MM SIZE 5MM THICK DECORATIVE MIRROR
	600 X 125MM PLATE GLASS SHELF WITH CP GUARD RAILS
	15MM CP REVOLVING SHOWER WITH 15MM X 225MM LONG CP SHOWER ARM (OVER HEAD SHOWER, BIB COCK CONCEALED STOP COCK AT BATH AREA)
	125MM DIA CP GRATING WITH P-TRAP FLOOR GRATING P-TRAP
	15MM DIA CP HEALTH FAUCET (WITH 2IN 1 BIB COCK NEAR EUROPEAN WC.)
	15MM DIA CP ANGLE STOP COCK (FOR WATER SUPPLY INLET TO WC, WASH BASIN)
	ABLUTION TAP (CP BIB COCK)

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- FOOTING-50mm, BEAM-25mm, SLAB - 20mm.
- THE MIX FOR ALL R.C.C. WORK SHALL BE M-20 (1:1.5:3).
- ALL THE REINFORCEMENT SHALL BE Fe-500(HYSD BARS).
- MINIMUM DEVELOPMENT LENGTH FOR TOR STEEL SHALL BE 50d, WHERE 'd' IS DIA OF MAIN REINFORCEMENT.
- THE LAP SHALL BE STAGGERED AND AVOIDED AT THE POINT OF MAXIMUM BENDING MOMENT.
- ALL DIMENSION & LEVEL ARE IN FEET-INCH.

SIGNATURE :-

DRAWN:- AR. DHANESHWARI

DESIGN:- ER. PABITRA

PROJECT TITLE:-

K.I.P SOUMYA

STATUS:

ISSUED FOR CONSTRUCTION

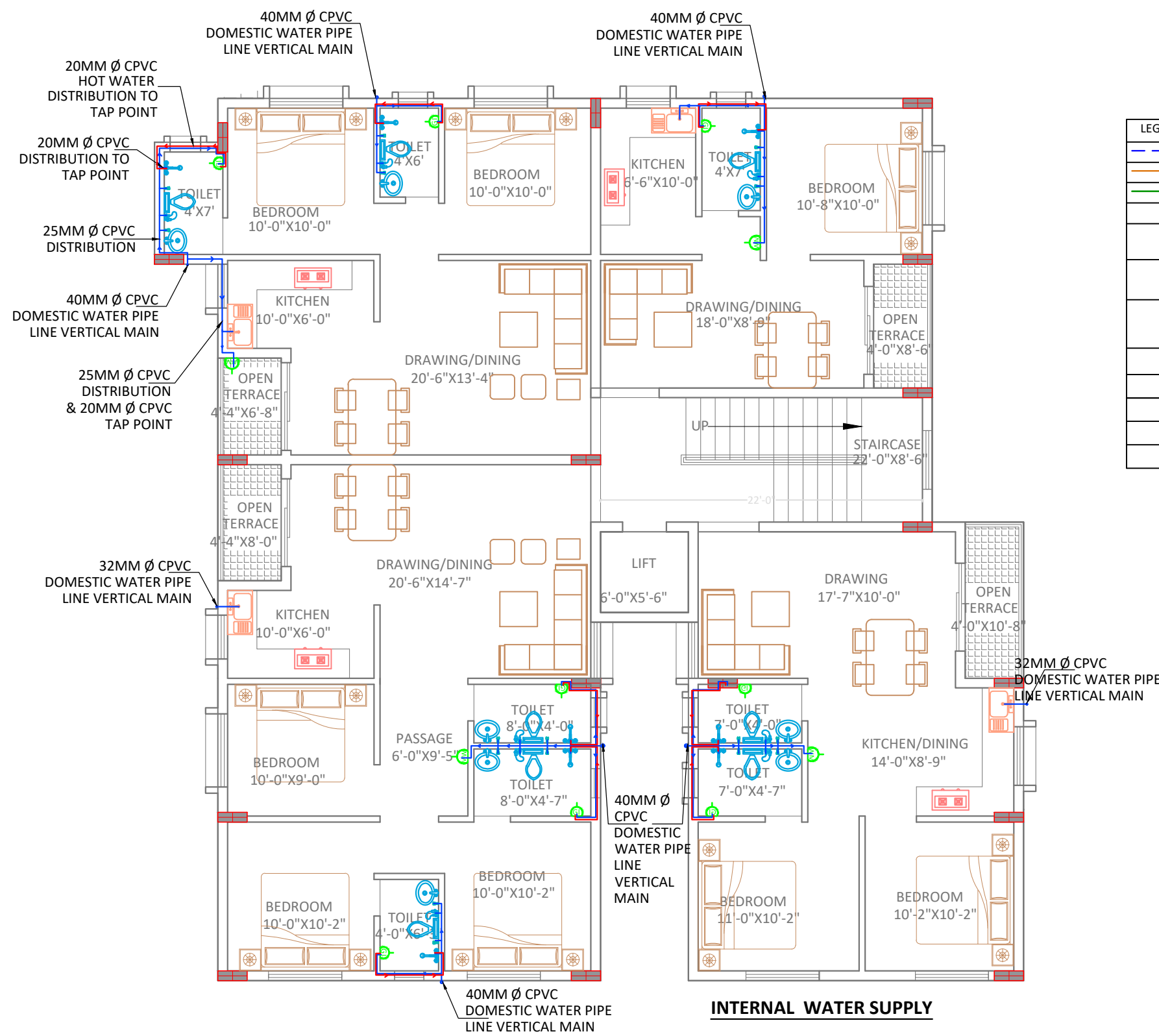
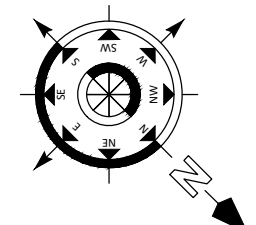
DATE:	07-05-2022
SCALE	NTS
DWG NO:	46

DRAWING TITLE:-

1ST TO 3RD FLOOR INTERNAL WATER SUPPLY

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BARMUNDA Bhubaneswar,
Pin- 751003
8 6 5 8 6 7 7 4 2 5
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STAMP/SIGNATURE :-



4TH FLOOR INTERNAL WATER SUPPLY

LEGENDS:-	
	100 MM Ø CI HOBELESS SW PIPE.
	100MM Ø UPVC SW PIPE.
	160MM Ø UPVC SW PIPE.
	GULLY TRAP CHAMBER.
	INSPECTION CHAMBER. (I.C.) (INSIDE SIZE = 760mm x 760mm x 460mm.)
	MANHOLE (MH1) (INSIDE SIZE = 900mm x 900mm x 900mm)
	MANHOLE (MH2) (INSIDE SIZE = 1200mm Ø)
	100Ø SOIL STACK
	100Ø WASTE STACK
	100mm Ø WASTE WATER HOBELESS PIPE INSIDE TOILET
	100mm Ø SOLID WASTE HOBELESS PIPE INSIDE TOILET
	CPVC WATER SUPPLY PIPE FOR ALL FIXTURE

LEGEND FOR SANITARY FITTINGS	
	EUROPEAN WATER CLOSET WITH CISTERN {Cat No.92088(S30) Pastel color(Hindware) or Equivalent}
	(550x400)mm W.H.BASIN WITH PORCELAIN PEDESTAL (Parryware/Hindware/Neycer/Equivalent)
	Under Counter top basin (Hindware)Round Cat No.10065 Pastel color+spreader+dome waste. (Hindware OR Equivalent){Counter size (600x500)mm}
	600x450x250mm stainless steel kitchen sink with drain board(Jayana/Somany)
	CP SOAP HOLDER
	25MM X 600MM LONG CP TOWEL RAIL
	AQUA GUARD
	600MM X 450MM SIZE 5MM THICK DECORATIVE MIRROR
	600 X 125MM PLATE GLASS SHELF WITH CP GUARD RAILS
	15MM CP REVOLVING SHOWER WITH 15MM X 225MM LONG CP SHOWER ARM (OVER HEAD SHOWER, BIB COCK CONCEALED STOP COCK AT BATH AREA)
	125MM DIA CP GRATING WITH P-TRAP FLOOR GRATING P-TRAP
	15MM DIA CP HEALTH FAUCET (WITH 2IN 1 BIB COCK NEAR EUROPEAN WC.)
	15MM DIA CP ANGLE STOP COCK (FOR WATER SUPPLY INLET TO WC, WASH BASIN)
	ABLUTION TAP (CP BIB COCK)

Note:

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- FOOTING-50mm, BEAM-25mm, SLAB - 20mm.
- THE MIX FOR ALL R.C.C. WORK SHALL BE M-20 (1:1.5:3).
- ALL THE REINFORCEMENT SHALL BE Fe-500(HYSD BARS).
- MINIMUM DEVELOPMENT LENGTH FOR TOR STEEL SHALL BE 50d, WHERE 'd' IS DIA OF MAIN REINFORCEMENT.
- THE LAP SHALL BE STAGGERED AND AVOIDED AT THE POINT OF MAXIMUM BENDING MOMENT.
- ALL DIMENSION & LEVEL ARE IN FEET-INCH.

SIGNATURE :-

DRAWN:- AR. DHANESHWARI
DESIGN:- ER. PABITRA

PROJECT TITLE:-

K.I.P SOUMYA

STATUS:

ISSUED FOR CONSTRUCTION

DATE:	07-05-2022
SCALE	NTS
DWG NO:	47

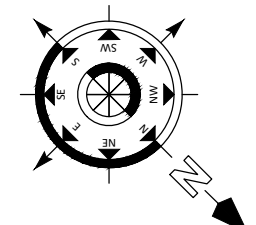
DRAWING TITLE:-

**4TH FLOOR
INTERNAL
WATER SUPPLY**

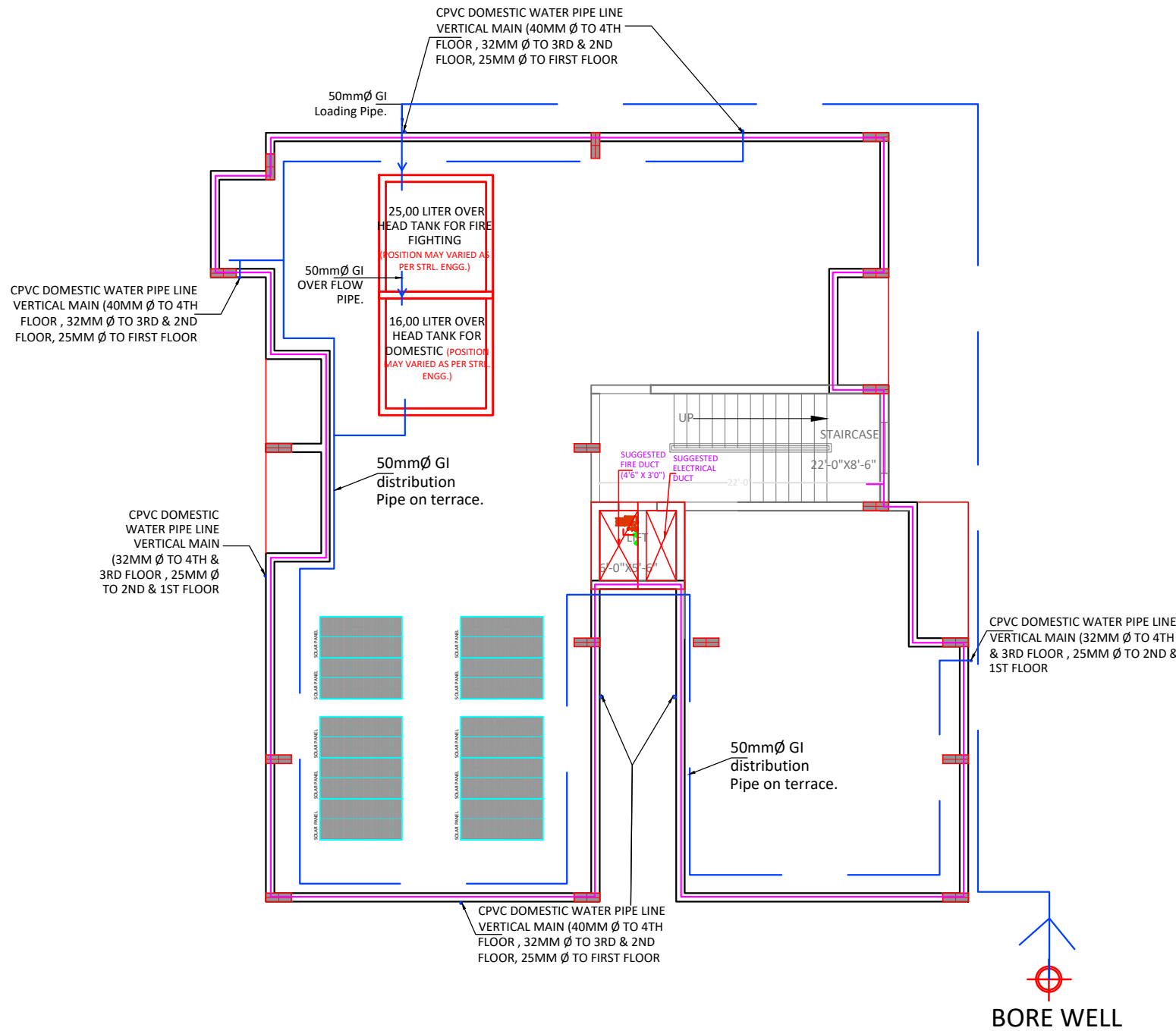
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EXTERNAL WATER SUPPLY SYSTEM AT TERRACE FLOOR PLAN



TERRACE FLOOR PLAN

LEGENDS:-	
	100 MM Ø CI HOBELESS SW PIPE.
	100MM Ø UPVC SW PIPE.
	160MM Ø UPVC SW PIPE.
	GULLY TRAP CHAMBER.
	INSPECTION CHAMBER. (I.C.) (INSIDE SIZE = 760mm x 760mm x 460mm.)
	MANHOLE (MH1) (INSIDE SIZE = 900mm x 900mm x 900mm)
	MANHOLE (MH2) (INSIDE SIZE = 1200mm Ø)
	100Ø SOIL STACK
	100Ø WASTE STACK
	100mm Ø WASTE WATER HOBELESS PIPE INSIDE TOILET
	100mm Ø SOLID WASTE HOBELESS PIPE INSIDE TOILET
	CPVC WATER SUPPLY PIPE FOR ALL FIXTURE

LEGEND FOR SANITARY FITTINGS	
	EUROPEAN WATER CLOSET WITH CISTERN {Cat No.92088(S30) Pastel color(Hindware) or Equivalent}
	(550x400)mm W.H.BASIN WITH PORCELAIN PEDESTAL (Parryware/Hindware/Neycer/Equivalent)
	Under Counter top basin (Hindware)Round Cat No.10065 Pastel color+spreader+dome waste. (Hindware OR Equivalent){Counter size (600x500)mm}
	600x450x250mm stainless steel kitchen sink with drain board(Jayana/Somany)
	CP SOAP HOLDER
	25MM X 600MM LONG CP TOWEL RAIL
	AQUA GUARD
	600MM X 450MM SIZE 5MM THICK DECORATIVE MIRROR
	600 X 125MM PLATE GLASS SHELF WITH CP GUARD RAILS
	15MM CP REVOLVING SHOWER WITH 15MM X 225MM LONG CP SHOWER ARM (OVER HEAD SHOWER, BIB COCK CONCEALED STOP COCK AT BATH AREA)
	125MM DIA CP GRATING WITH P-TRAP FLOOR GRATING P-TRAP
	15MM DIA CP HEALTH FAUCET (WITH 2IN 1 BIB COCK NEAR EUROPEAN WC.)
	15MM DIA CP ANGLE STOP COCK (FOR WATER SUPPLY INLET TO WC, WASH BASIN)
	ABLUTION TAP (CP BIB COCK)

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- FOOTING-50mm, BEAM-25mm, SLAB - 20mm .
- THE MIX FOR ALL R.C.C. WORK SHALL BE M-20 (1:1.5:3)
- ALL THE REINFORCEMENT SHALL BE Fe-500(HYSD BARS)
- MINIMUM DEVELOPMENT LENGTH FOR TOR STEEL SHALL BE 50d, WHERE 'd' IS DIA OF MAIN REINFORCEMENT.
- THE LAP SHALL BE STAGGERED AND AVOIDED AT THE POINT OF MAXIMUM BENDING MOMENT .
- ALL DIMENSION & LEVEL ARE IN FEET-INCH.

SIGNATURE :-

DRAWN:- AR. DHANESHWARI

DESIGN:- ER. PABITRA

PROJECT TITLE:-

K.I.P SOUMYA

STATUS:

ISSUED FOR CONSTRUCTION

DATE: 07-05-2022

SCALE: NTS

DWG NO: 48

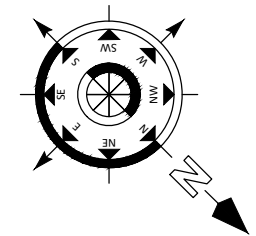
DRAWING TITLE:-

TERRACE FLOOR PLAN



APS DESIGN INFRA PVT. LTD
B/48, BDA DUPLEX COLONY
BARMUNDA Bhubaneswar,
Pin- 751003
8 6 5 8 6 7 7 4 2 5
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STAMP/SIGNATURE :-



LEGENDS:-

	100 MM Ø CI HOBELESS SW PIPE.
	100MM Ø UPVC SW PIPE.
	160MM Ø UPVC SW PIPE.
	GULLY TRAP CHAMBER.
	INSPECTION CHAMBER. (I.C.) (INSIDE SIZE = 760mm x 760mm x 460mm.)
	MANHOLE (MH1) (INSIDE SIZE = 900mm x 900mm x 900mm)
	MANHOLE (MH2) (INSIDE SIZE = 1200mm Ø)
	100Ø SOIL STACK
	100Ø WASTE STACK
	100mm Ø WASTE WATER HOBELESS PIPE INSIDE TOILET
	100mm Ø SOLID WASTE HOBELESS PIPE INSIDE TOILET
	CPVC WATER SUPPLY PIPE FOR ALL FIXTURE

LEGEND FOR SANITARY FITTINGS

	EUROPEAN WATER CLOSET WITH CISTERN {Cat No.92088(S30) Pastel color(Hindware) or Equivalent}
	(550x400)mm W.H.BASIN WITH PORCELAIN PEDESTAL (Parryware/Hindware/Neycer/Equivalent)
	Under Counter top basin (Hindware)Round Cat No.10065 Pastel color+spreader+dome waste. (Hindware OR Equivalent){Counter size (600x500)mm}
	600x450x250mm stainless steel kitchen sink with drain board(Jayana/Somany)
	CP SOAP HOLDER
	25MM X 600MM LONG CP TOWEL RAIL
	AQUA GUARD
	600MM X 450MM SIZE 5MM THICK DECORATIVE MIRROR
	600 X 125MM PLATE GLASS SHELF WITH CP GUARD RAILS
	15MM CP REVOLVING SHOWER WITH 15MM X 225MM LONG CP SHOWER ARM (OVER HEAD SHOWER, BIB COCK CONCEALED STOP COCK AT BATH AREA)
	125MM DIA CP GRATING WITH P-TRAP FLOOR GRATING P-TRAP
	15MM DIA CP HEALTH FAUCET (WITH 2IN 1 BIB COCK NEAR EUROPEAN WC.)
	15MM DIA CP ANGLE STOP COCK (FOR WATER SUPPLY INLET TO WC, WASH BASIN)
	ABLUTION TAP (CP BIB COCK)

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- THE LAP SHALL BE STAGGERED AND AVOIDED AT THE POINT OF MAXIMUM BENDING MOMENT .
- ALL DIMENSION & LEVEL ARE IN FEET-INCH.

SIGNATURE :-

DRAWN:-	AR. DHANESHWARI
DESIGN:-	ER. PABITRA

PROJECT TITLE:-

K.I.P SOUMYA

STATUS:

ISSUED FOR CONSTRUCTION

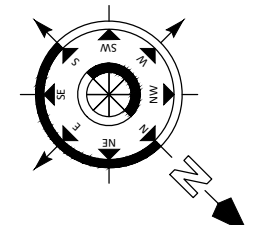
DATE:	07-05-2022
SCALE	NTS
DWG NO:	49

DRAWING TITLE:-

STILT FLOOR AREA

APS DESIGN INFRA PVT. LTD
B/48, BDA DUPLEX COLONY
BARMUNDA Bhubaneswar,
Pin- 751003
8 6 5 8 6 7 7 4 2 5
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TYPICAL FLOOR PLAN
(1ST TO 3RD)

1ST TO 3RD FLOOR INTERNAL SEWERAGE

LEGENDS:-	
	100 MM Ø CI HOBELESS SW PIPE.
	100MM Ø UPVC SW PIPE.
	160MM Ø UPVC SW PIPE.
	GULLY TRAP CHAMBER.
	INSPECTION CHAMBER. (I.C.) (INSIDE SIZE = 760mm x 760mm x 460mm.)
	MANHOLE (MH1) (INSIDE SIZE = 900mm x 900mm x 900mm)
	MANHOLE (MH2) (INSIDE SIZE = 1200mm Ø)
	100Ø SOIL STACK
	100Ø WASTE STACK
	100mm Ø WASTE WATER HOBELESS PIPE INSIDE TOILET
	100mm Ø SOLID WASTE HOBELESS PIPE INSIDE TOILET
	CPVC WATER SUPPLY PIPE FOR ALL FIXTURE

LEGEND FOR SANITARY FITTINGS	
	EUROPEAN WATER CLOSET WITH CISTERN {Cat No.92088(S30) Pastel color(Hindware) or Equivalent}
	(550x400)mm W.H.BASIN WITH PORCELAIN PEDESTAL (Parryware/Hindware/Neycer/Equivalent)
	Under Counter top basin (Hindware)Round Cat No.10065 Pastel color+spreader+dome waste. (Hindware OR Equivalent){Counter size (600x500)mm}
	600x450x250mm stainless steel kitchen sink with drain board(Jayana/Somany)
	CP SOAP HOLDER
	25MM X 600MM LONG CP TOWEL RAIL
	AQUA GUARD
	600MM X 450MM SIZE 5MM THICK DECORATIVE MIRROR
	600 X 125MM PLATE GLASS SHELF WITH CP GUARD RAILS
	15MM CP REVOLVING SHOWER WITH 15MM X 225MM LONG CP SHOWER ARM (OVER HEAD SHOWER, BIB COCK CONCEALED STOP COCK AT BATH AREA)
	125MM DIA CP GRATING WITH P-TRAP FLOOR GRATING P-TRAP
	15MM DIA CP HEALTH FAUCET (WITH 2IN 1 BIB COCK NEAR EUROPEAN WC.)
	15MM DIA CP ANGLE STOP COCK (FOR WATER SUPPLY INLET TO WC, WASH BASIN)
	ABLUTION TAP (CP BIB COCK)

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- THE LAP SHALL BE STAGGERED AND AVOIDED AT THE POINT OF MAXIMUM BENDING MOMENT .
- ALL DIMENSION & LEVEL ARE IN FEET-INCH.

SIGNATURE :-

DRAWN:-	AR. DHANESHWARI
DESIGN:-	ER. PABITRA

PROJECT TITLE:-

K.I.P SOUMYA

STATUS:

ISSUED FOR CONSTRUCTION

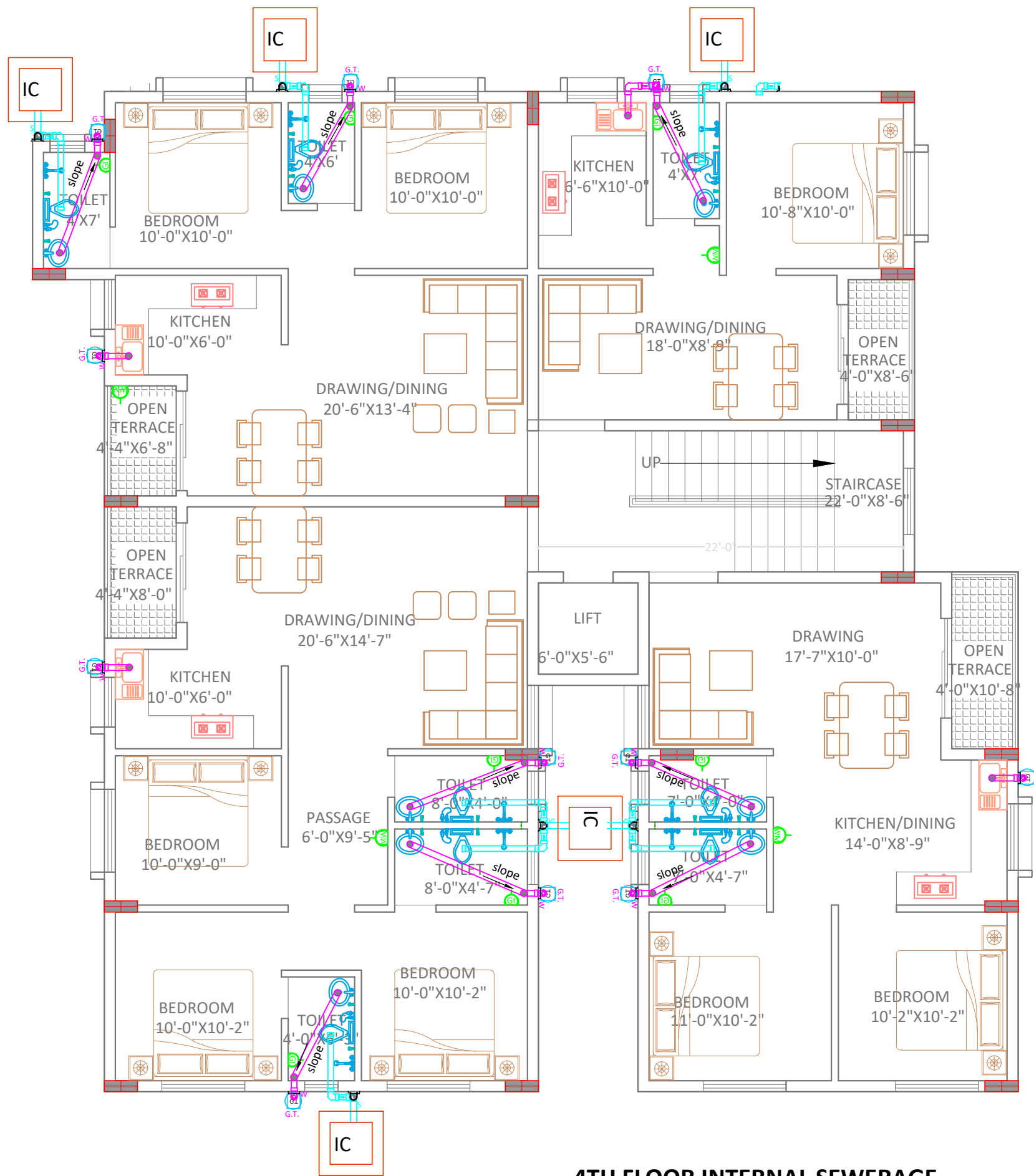
DATE:	07-05-2022
SCALE	NTS
DWG NO:	50

DRAWING TITLE:-

INTERNAL SEWERAGE

APS DESIGN INFRA PVT. LTD
B/48, BDA DUPLEX COLONY
BARMUNDA Bhubaneswar,
Pin- 751003
8 6 5 8 6 7 7 4 2 5
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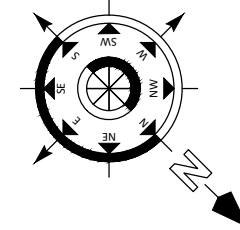


4TH FLOOR INTERNAL SEWERAGE

NOTE:-
ALL ATTACHED TOILET = +6" RAISED FLOOR FOR PLUMBING PIPE RUNNING

LEGENDS:-	
	100 MM Ø CI HOBELESS SW PIPE.
	100MM Ø UPVC SW PIPE.
	160MM Ø UPVC SW PIPE.
	GULLY TRAP CHAMBER.
	INSPECTION CHAMBER. (I.C.) (INSIDE SIZE = 760mm x 760mm x 460mm.)
	MANHOLE (MH1) (INSIDE SIZE = 900mm x 900mm x 900mm)
	MANHOLE (MH2) (INSIDE SIZE = 1200mm Ø)
	100Ø SOIL STACK
	100Ø WASTE STACK
	100mm Ø WASTE WATER HOBELESS PIPE INSIDE TOILET
	100mm Ø SOLID WASTE HOBELESS PIPE INSIDE TOILET
	CPVC WATER SUPPLY PIPE FOR ALL FIXTURE

LEGEND FOR SANITARY FITTINGS	
	EUROPEAN WATER CLOSET WITH CISTERN {Cat No.92088(S30) Pastel color(Hindware) or Equivalent}
	(550x400)mm W.H.BASIN WITH PORCELAIN PEDESTAL (Parryware/Hindware/Neycer/Equivalent)
	Under Counter top basin (Hindware)Round Cat No.10065 Pastel color+spreader+dome waste. (Hindware OR Equivalent){Counter size (600x500)mm}
	600x450x250mm stainless steel kitchen sink with drain board(Jayana/Somany)
	CP SOAP HOLDER
	25MM X 600MM LONG CP TOWEL RAIL
	AQUA GUARD
	600MM X 450MM SIZE 5MM THICK DECORATIVE MIRROR
	600 X 125MM PLATE GLASS SHELF WITH CP GUARD RAILS
	15MM CP REVOLVING SHOWER WITH 15MM X 225MM LONG CP SHOWER ARM (OVER HEAD SHOWER, BIB COCK CONCEALED STOP COCK AT BATH AREA)
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	15MM DIA CP ANGLE STOP COCK (FOR WATER SUPPLY INLET TO WC, WASH BASIN)
	ABLUTION TAP (CP BIB COCK)



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 - ALL DIMENSION & LEVEL ARE IN FEET-INCH.

SIGNATURE :-

DRAWN:- AR. DHANESHWARI

DESIGN:- ER. PABITRA

PROJECT TITLE:-

K.I.P SOUMYA

STATUS:

ISSUED FOR CONSTRUCTION

DATE: 07-05-2022

SCALE NTS

DWG NO: 51

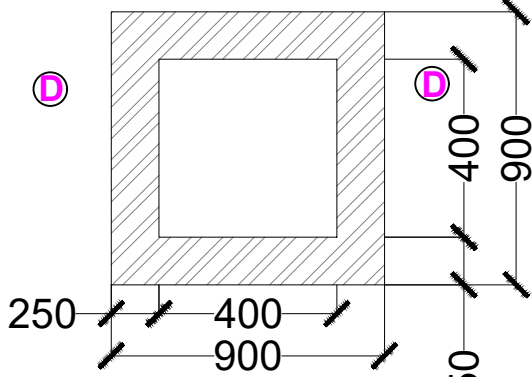
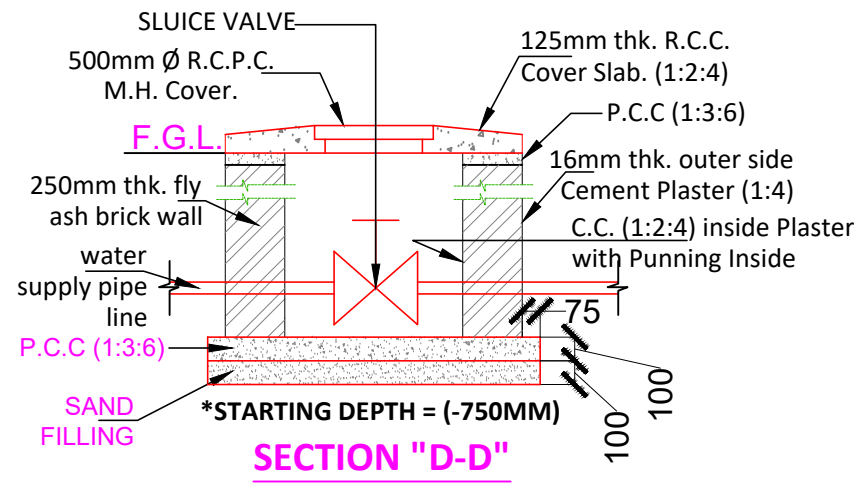
DRAWING TITLE:-

**4TH FLOOR
INTERNAL
SEWERAGE**

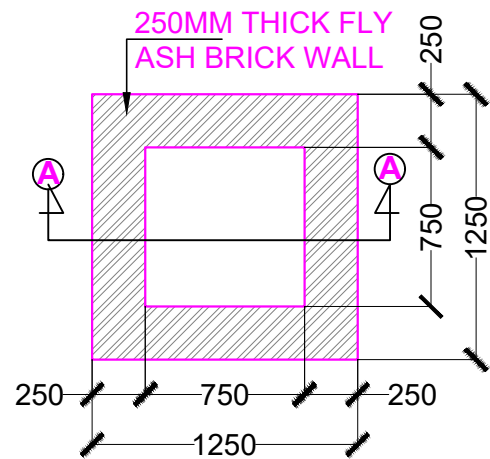
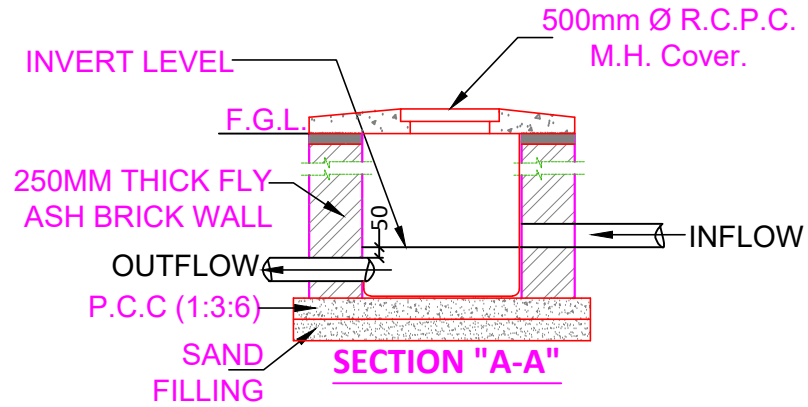
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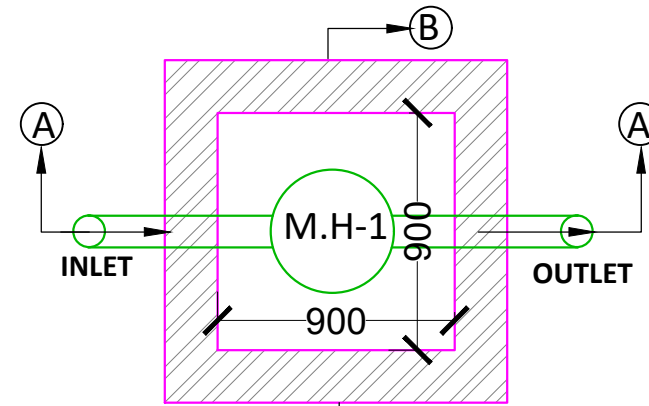
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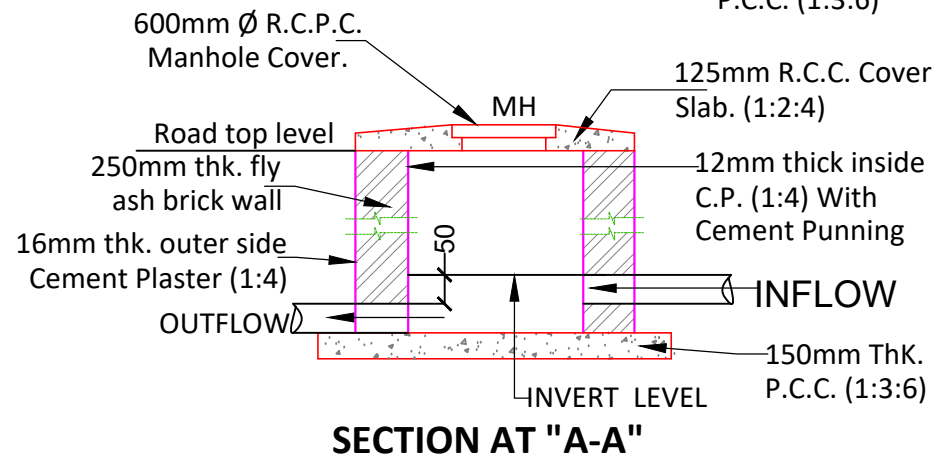
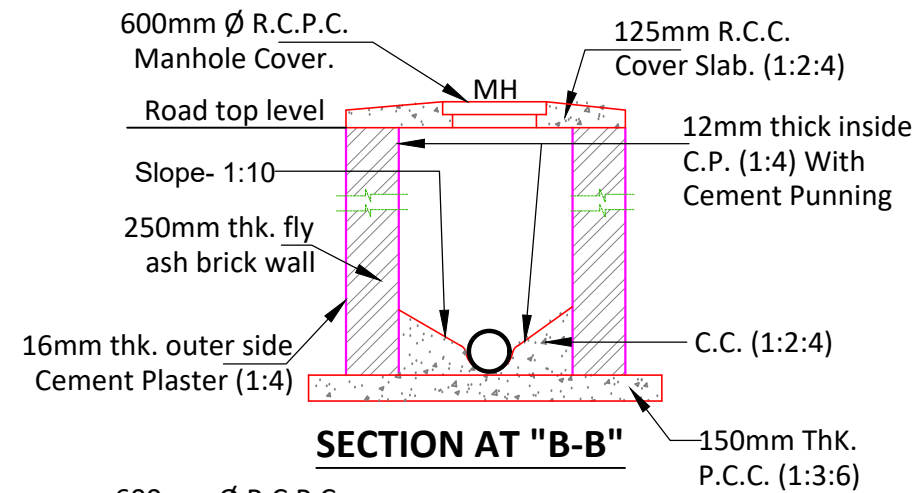
PLAN OF SLUICE VALVE CHAMBER



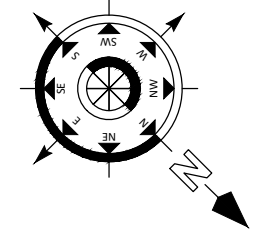
PLAN OF INSPECTION CHAMBER (I.C.)
* STARTING DEPTH = (-750MM)



PLAN OF MAN HOLE (MH1)
900mm x 900mm



*STARTING DEPTH = (-900MM)



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SIGNATURE :-

DRAWN:- AR. DHANESHWARI

DESIGN:- ER. PABITRA

PROJECT TITLE:-

K.I.P SOUMYA

STATUS:

ISSUED FOR CONSTRUCTION

DATE: 07-05-2022

SCALE: NTS

DWG NO: 52

DRAWING TITLE:-

**CHAMBER
DETAILING
DRAWING**



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BARMUNDA Bhubaneswar,
Pin- 751003
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HANDOVER LETTER

To

M/S KUSHMANDA INFRA PROJECTS

Ref : FK/HL/22/04/55

Kind Attn :

Subject: Regarding Handover of Project and subsequent related documentation.

Dear Sir,

Reference to the above, we hereby would like to inform with great pleasure that we have completed the design the residential apartment at BHUBANESWAR, Odisha on dated- 07-05 -2022 . The work has come up very well and validation of the project has been well within the guidelines prescribed as you might have observed.

We would like to take this opportunity to thank you upfront for your kind support during the project duration and your valuable suggestions had indeed helped us to gain the shape of the project.

We hereby would like to handover the facility to you through this formal letter. Request your kind acknowledgement of this letter to proceed with further documentation and reference.

Authorized Signatory

With Regards

Team Floorkart.in

Signature of client