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CERTIFICATE

It is to certified that the proposed construction of Residential row houses development at **"Sobha Verdure"** Survey nos. **478/1A(PT), 478/4 and 478/5A** Veerakeralam Village, Perur Taluk, Coimbatore District. Having Ground + first floor is designed to resist earth quake. Check has been made and found safe and I hereby certify that,

1. The minimum grade of concrete is M20
2. The design analysis using the code of practice for loading standards as per IS-875 Part I to V and seismic force as per code IS 1893, is carried out.

The building will be sound and stable when used for the purpose for which it is designed.

Name of the Consultant:
Er.K.MURALI,
Registered Structural Engineer Grade-I(SE)DTCP,
Reg No : CGLRGN/SE/Gr-I/2019/09/038
New No 14,Old no 34,Damodaran Street,
T.Nagar,Chennai-17

Reg No : CGLRGN/SE/Gr-I/2019/09/038

3.0 Soil Details

Based on Soil test report pile foundation is adopted

4.0 Design Methods

General design and detailing of concrete members /elements are done conforming to the provisions of I. S:456 and other relevant I. S codes limit state method is followed for the design.

Seismic zone III load is taken in to account for the analysis. The predominant direction of vibration is horizontal. Relevant combination of forces has been taken in to account

4.1

Load Combination	Ultimate Limit Load	Serviceability Limit State
DL+LL=WL Or DL+LL+EL	1.2DL+1.2LL+1.2WL Or 1.2DL+1.2LL+1.2EL	DL+LL+WL Or DL+LL+EL

Er. K. MURALI, BE(Civil), M.E(Structural)
Registered Structural Engineer Grade-I(SE), DTCP
Chengalpattu Reg.No. CGLRGN/SE/Gr-I/2019/09/038
New No.14, Old No.34, Damodaran Street,
T.Nagar, Chennai-17.
Mobile: 97890 18902, Off: 2434 0048
Email Id : muralirasi1971@gmail.com

The proposed construction of residential row houses development at **"Sobha Verdure" Survey nos. 478/1pt, 478/4 and 478/5A** Veerakeralam Village, Perur Taluk, Coimbatore District, Tamil Nadu.

1.0 General

1.1 Design Basis

The proposed residential building is having Ground + first floor

The design of this buildings is carried out based on frame analysis using STAAD Pro V8i

1.2 Codes and Standards

All structural design is carried out conforming to the provisions in National Building Code of Indian and other relevant Indian Codes and Standards .

1. I.S. 456 – 2000
2. I.S. 875 – Part I to V
3. I.S.1893 – 1984
4. I.S.13920

2.0 Basic Civil Design Loads

2.1 Dead Loads & Live Loads

Typical slab load is calculated as follows

Self weigh of slab	=	3.0kN/m2
Floor finish	=	2.0kN/m2
Live Load	=	2.0kN/m2
		7.0kN/m2

Er. K. MURALI, BE(Civil), M.[illegible]
Registered Structural Engineer Grade-I
Chengalpattu Reg.No. CGLRGN/SE/Gr-I/20[illegible]
New No.14, Old No.34, Damodaran Street,
T.Nagar, Chennai-17.
Mobile: 97890 18902, Off: 2434 0046
Email Id: muralirasi1971@gmail.com

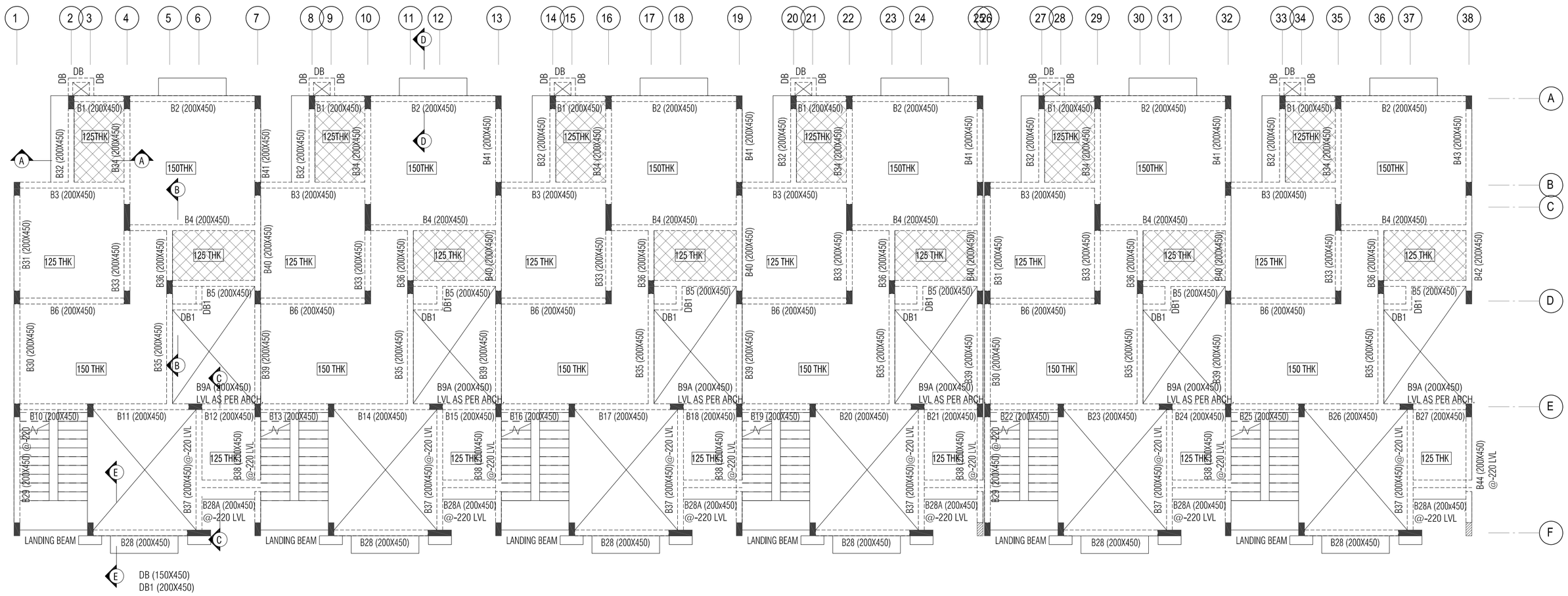
4.2.1 Minimum Cover

Slab	15mm
Beam	25mm
Columns	40mm
Foundations	50mm

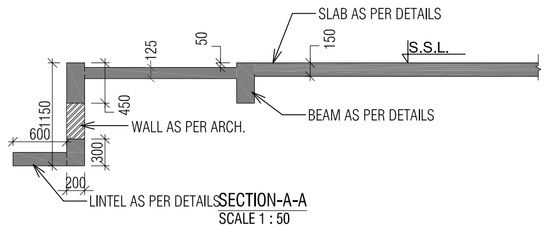
Structures will be sound and stable when used for the purpose for which it is designed.

Sign with seal

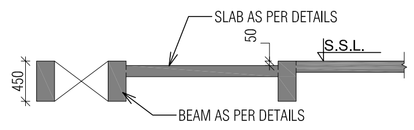
Er. K. MURALI, BE(Civil), MIE(Struct)
Registered Structural Engineer Grade-I(SE)(I)
Chengalpattu Reg.No. CGLRGN/SE/Gr-I/[illegible]
New No.14, Old No.24, Damodaran Street,
T.Nagar, Chennai-17.
Mobile: 97890 18902, Off: 2434 6048
Email Id : muralirasi1971@gmail.com



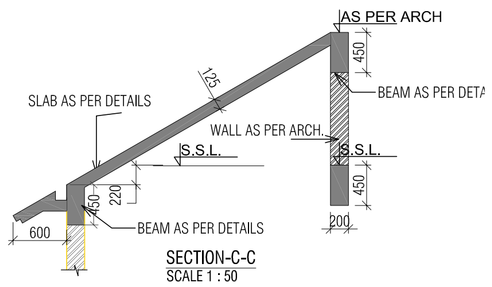
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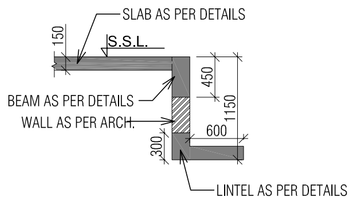
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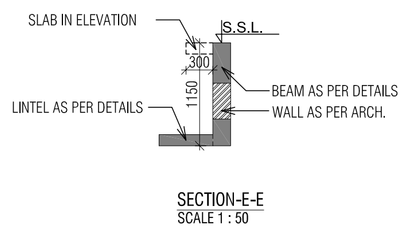
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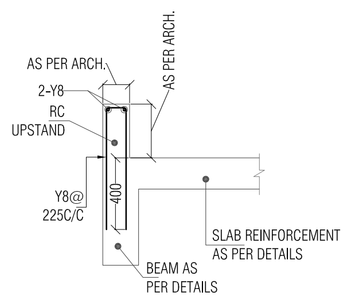
SECTION-C-C
SCALE 1 : 50



SECTION-D-D
SCALE 1 : 50



SECTION-E-E
SCALE 1 : 50



TYPICAL RC UPSTAND DETAILS
(LOCATIONS AS PER ARCHITECTURAL DWG.)
SCALE 1:25

NOTE:
FIRST BEAM LAYOUT S.S.L. FOR

BLOCK-A	S.S.L. +103.56
BLOCK-D	S.S.L. +104.01
BLOCK-F	S.S.L. +104.275

LEGEND:-
- COLUMN TERMINATION
- COLUMN CONTINUE
- SUNKEN BY 50mm

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CONSULTANTS :

ARCHITECTURAL	SL
ELECT. & PHE	SL
HVAC	SL
INFRASTRUCTURE	SL
ENVIRONMENT	SL

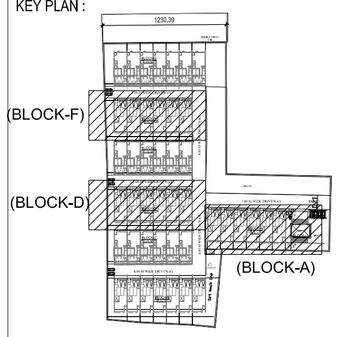
GENERAL NOTES :

1. ALL DIMENSIONS ARE IN mm & LEVELS ARE IN METERS.
2. DO NOT SCALE THE DRG. FOLLOW WRITTEN DIMENSIONS ONLY.
3. GRADE OF CONCRETE SHALL BE M25, REINFORCEMENT SHALL BE HIGH YIELD STRENGTH DEFORMED BARS OF GRADE Fe 500 OF YIELD STRENGTH Fy =500N/mm2 & TESTED QUALITY SHALL CONFIRM TO IS: 1786-1985 (REAFFIRMED IN 2000)
4. READ THIS DRAWINGS WITH RELEVANT SERVICES DRAWINGS AND ARCHITECTURAL DRAWINGS.
5. ANY DISCREPANCY NOTED IN DRAWING SHOULD BE BROUGHT TO THE NOTICE OF THE CONSULTANTS WITHIN 7 DAYS OF RECEIPT OF THIS DRG.
6. CLEAR COVER TO MAIN REINFORCEMENT IN
   a) BEAMS - 25mm.
   b) SLABS - 20mm.

REV. NO	DATE	ISSUE
R1	16-07-19	AS PER REVISED LVLS

REVISIONS

KEY PLAN :



STRUCTURAL CONSULTANTS

SOBHA LIMITED.
SOBHA CORPORATE OFFICE
SARJAPUR-MARATHALLI OUTER RING ROAD (ORR)
DEVARABISANAHALLI, BELLANDUR POST BANGALORE 500103
TEL: +91-80-49320000 www.sobha.com

NO OBJECTION

DEPARTMENT	SIGNATURE AND DATE	NAME
ARCHITECTS		
ELECTRICAL		
PLUMBING		
HVAC		
FIRE		
ENV		

GOOD FOR CONSTRUCTION

SENIOR VICE PRESIDENT
SIGN :
(ANIL KUMAR S HOKRANI)

DESIGNED BY :
SIGN.....
MANNJUSHREE

CHECKED BY :
SIGN.....
SANGEETA

DRAWN BY :
SIGN.....
PAVITHRA

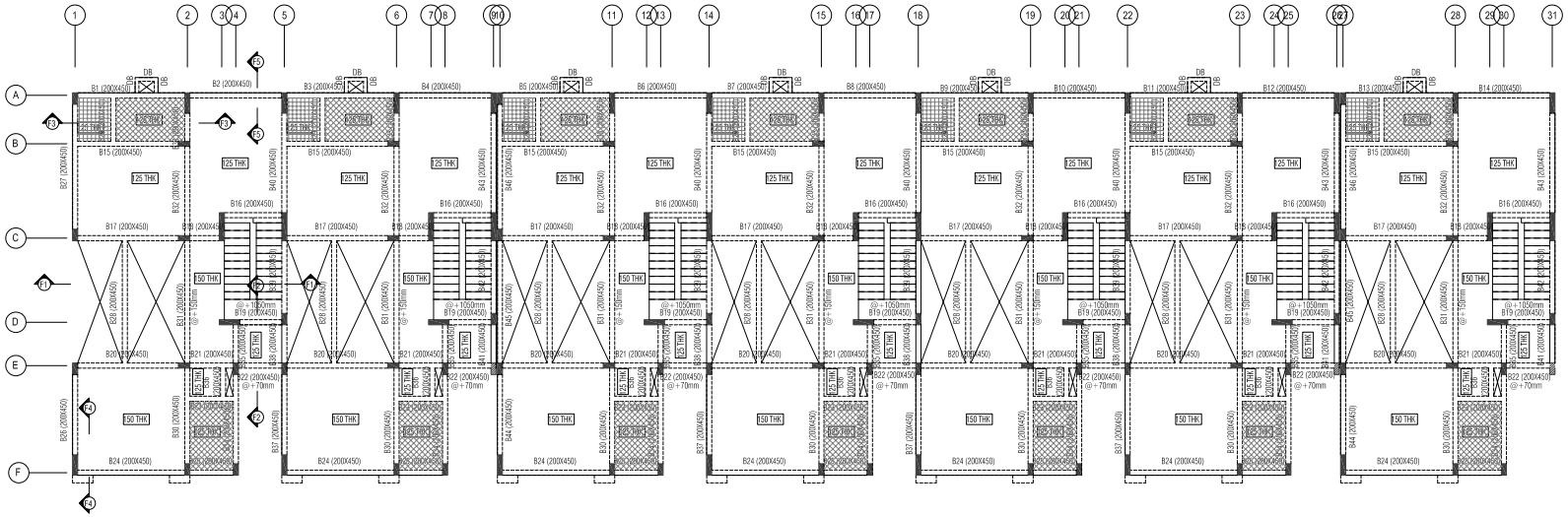
CHECKED BY :
SIGN.....
UDIPI SRISAYANA

DATE :	SCALE :	SHEET :	REVISION NO:
12-06-2019	As indicated	A1	R1

JOB NO : **382**
DWG NO : **SE-203-A**

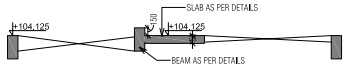
SHEET TITLE
FIRST FLOOR LAYOUT
(BLOCK-A,D&F)

PROJECT TITLE
VERDURE
PH VII & VIII, COIMBATORE

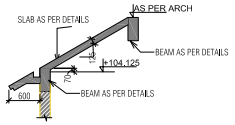


FIRST FLOOR LEVEL
SCALE 1 : 100

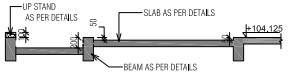
LEGEND:-
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- COLUMN CONTINUE
- SUNKEN BY 50mm
- SUNKEN BY 200mm



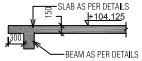
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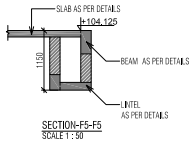
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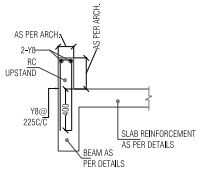
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SECTION-F4-F4
SCALE 1 : 50



SECTION-F5-F5
SCALE 1 : 50



TYPICAL RC UPSTAND DETAILS
(LOCATIONS AS PER ARCHITECTURAL DWG.)
SCALE 1:25

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CONSULTANTS :

ARCHITECTURAL	SL
ELECT. & PHE	SL
HVAC	SL
INFRASTRUCTURE	SL
ENVIRONMENT	SL

GENERAL NOTES :

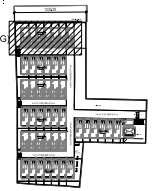
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   a) BEAMS - 25mm.
   b) SLABS - 20mm.

REV. NO	DATE	ISSUE
R1	16-07-19	AS PER REVISED LVLS

REVISIONS

KEY PLAN :

(BLOCK-G)



STRUCTURAL CONSULTANTS

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TEL: +91-80-49320000 www.sobha.com

NO OBJECTION

DEPARTMENT	SIGNATURE AND DATE	NAME
ARCHITECTS		
ELECTRICAL		
PLUMBING		
HVAC		
FIRE		
ENV		

GOOD FOR CONSTRUCTION

SENIOR VICE PRESIDENT
SIGN :
(ANIL KUMAR S HOKRANI)

DESIGNED BY : SIGN..... MANJUSHREE	CHECKED BY : SIGN..... SANGEETA
DRAWN BY : SIGN..... PAVITHRA	CHECKED BY : SIGN..... UDIPI SRIDAYANA

DATE :	SCALE :	SHEET :	REVISION NO :
12-09-2019	As Indicated	A1	R1

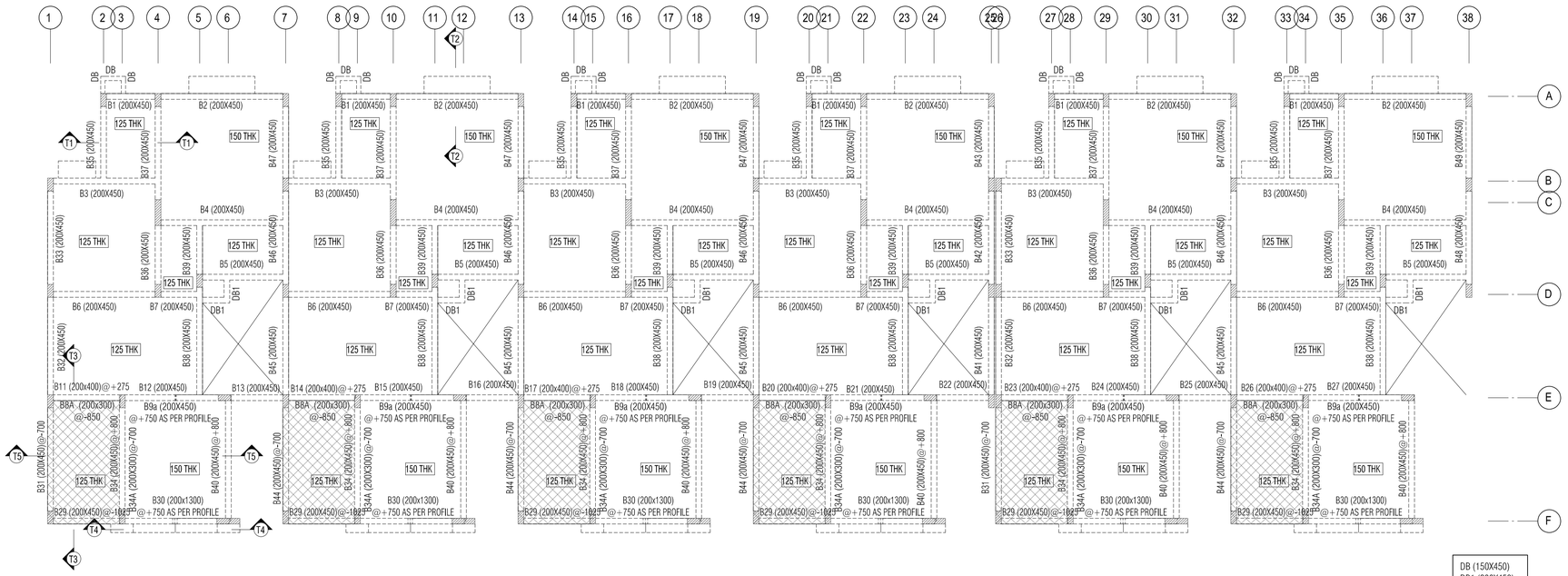
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382	SE-203-G

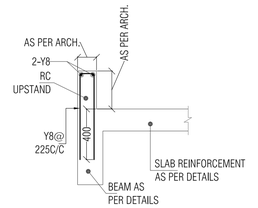
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FIRST FLOOR BEAM LAYOUT
(BLOCK-G)

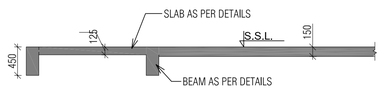
PROJECT TITLE

VERDURE
PH VII & VIII, COIMBATORE

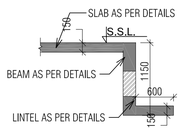




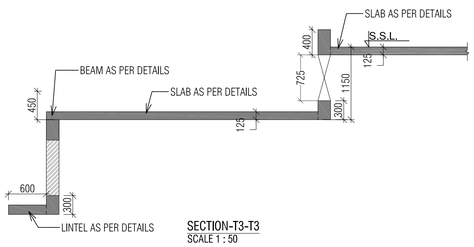
TYPICAL RC UPSTAND DETAILS
(LOCATIONS AS PER ARCHITECTURAL DWG.)
SCALE 1:25



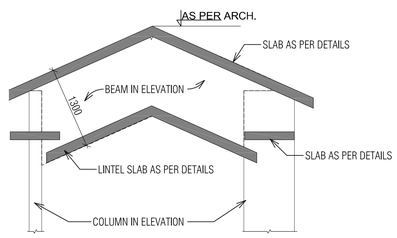
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SCALE 1 : 50



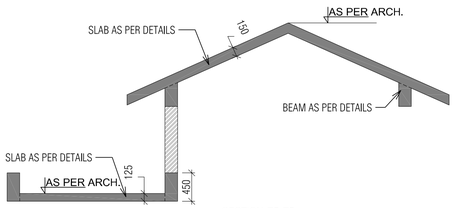
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SECTION-T3-T3
SCALE 1 : 50



SECTION-T4-T4
SCALE 1 : 50



SECTION-T5-T5
SCALE 1 : 50

NOTE:

TERRACE FLOOR BEAM LAYOUT S.S.L. FOR	
BLOCK-A	S.S.L. +106.86
BLOCK-D	S.S.L. +107.31
BLOCK-F	S.S.L. +107.575

LEGEND:-

- COLUMN TERMINATION
- COLUMN CONTINUE
- SUNKEN BY 1025mm

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CONSULTANTS :

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INFRASTRUCTURE	SL
ENVIRONMENT	SL

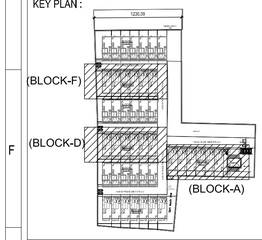
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REV. NO	DATE	ISSUE
R1	16-07-19	AS PER REVISED LVLS

REVISIONS

KEY PLAN :



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TEL: +91-80-49320000 www.sobha.com

NO OBJECTION

DEPARTMENT	SIGNATURE AND DATE	NAME
ARCHITECTS		
ELECTRICAL		
PLUMBING		
HVAC		
FIRE		
ENV		

GOOD FOR CONSYTRUCTION

SENIOR VICE PRESIDENT
SIGN :
(ANIL KUMAR S HOKRANI)

DESIGNED BY :
SIGN.....
MANJUSHREE

CHECKED BY :
SIGN.....
SANGEETA

DRAWN BY :
SIGN.....
PAVITHRA

CHECKED BY :
SIGN.....
UDIPI SRISAYANA

DATE :	SCALE :	SHEET :	REVISION NO:
12-06-2019	As indicated	A1	R1

JOB NO : **382**

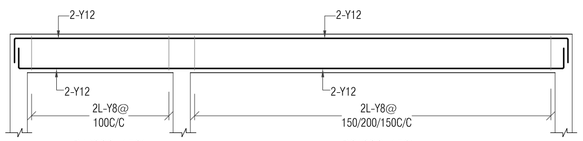
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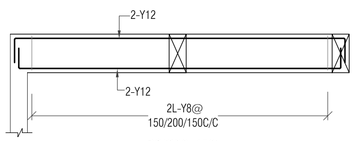
TERRACE FLOOR BEAM LAYOUT
(BLOCK-A,D&F)

PROJECT TITLE

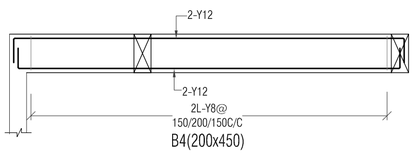
VERDURE
PH VII & VIII, COIMBATORE



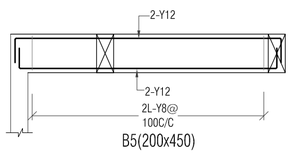
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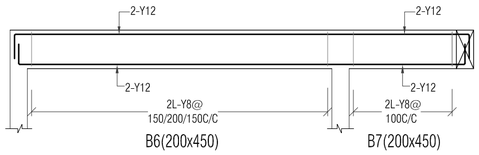
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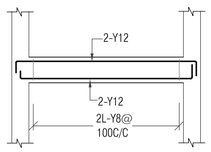
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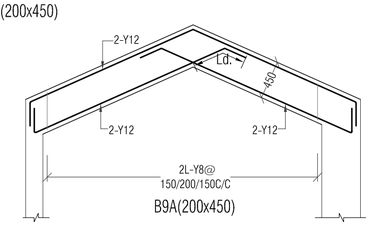
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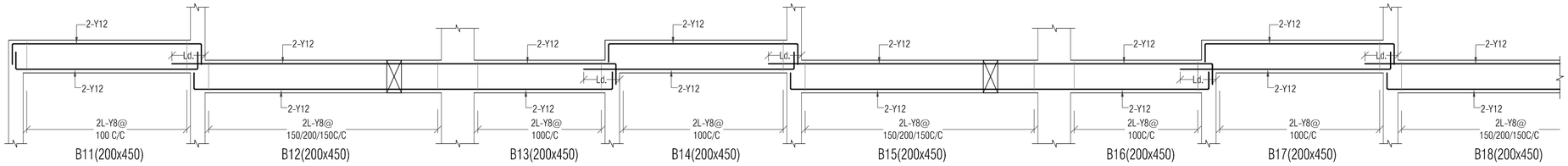
B6(200x450) B7(200x450)



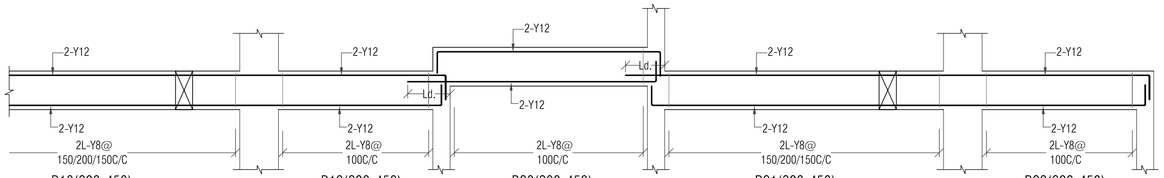
B8A(200x300)



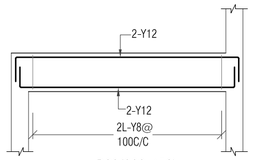
B9A(200x450)



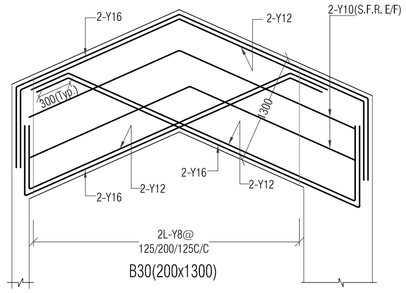
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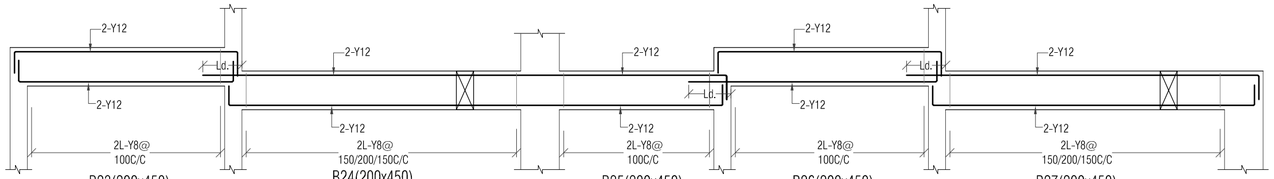
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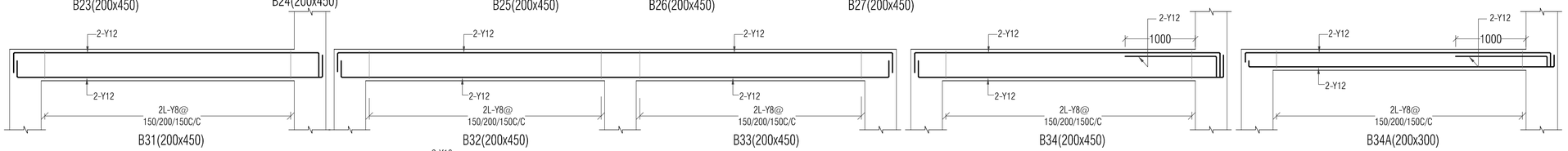
B29(200x450)



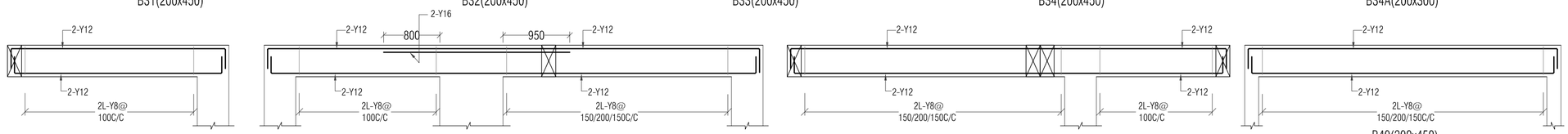
B30(200x1300)



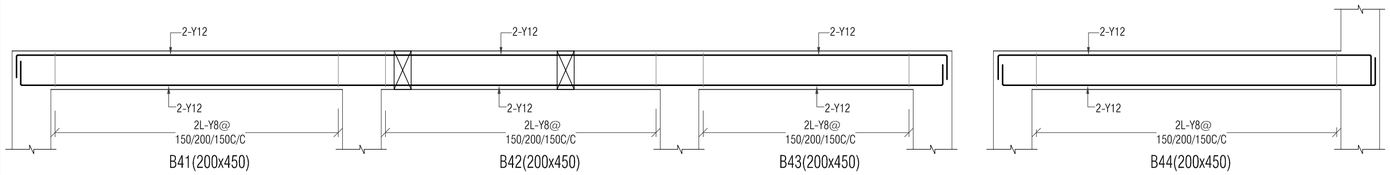
B23(200x450) B24(200x450) B25(200x450) B26(200x450) B27(200x450)



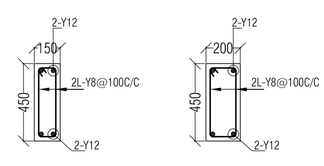
B31(200x450) B32(200x450) B33(200x450) B34(200x450) B34A(200x300)



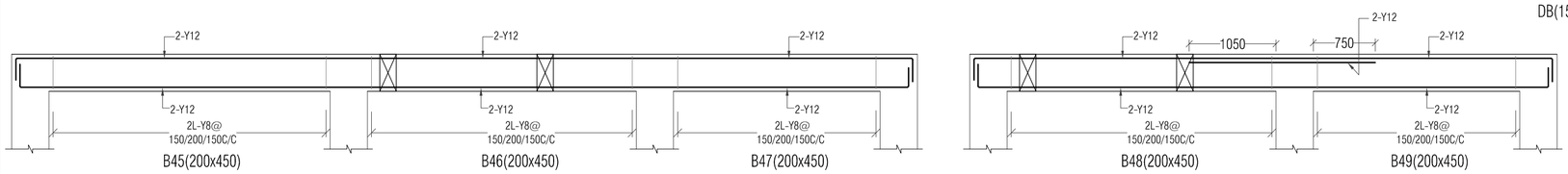
B35(200x450) B36(200x450) B37(200x450) B38(200x450) B39(200x450) B40(200x450)



B41(200x450) B42(200x450) B43(200x450) B44(200x450)



DB(150X450) DB1(200X450)



B45(200x450) B46(200x450) B47(200x450) B48(200x450) B49(200x450)

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CONSULTANTS :

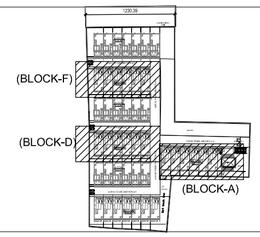
ARCHITECTURAL	SL
ELECT. & PHE	SL
HVAC	SL
INFRASTRUCTURE	SL
ENVIRONMENT	SL

GENERAL NOTES :

1. ALL DIMENSIONS ARE IN mm & LEVELS ARE IN METERS.
2. DO NOT SCALE THE DRG. FOLLOW WRITTEN DIMENSIONS ONLY.
3. GRADE OF CONCRETE SHALL BE M25, REINFORCEMENT SHALL BE HIGH YIELD STRENGTH DEFORMED BARS OF GRADE Fe 500 OF YIELD STRENGTH Fy =500N/mm2 & TESTED QUALITY SHALL CONFIRM TO IS: 1786-1985 (REAFFIRMED IN 2000)
4. READ THIS DRAWINGS WITH RELEVANT SERVICES DRAWINGS AND ARCHITECTURAL DRAWINGS.
5. ANY DISCREPANCY NOTED IN DRAWING SHOULD BE BROUGHT TO THE NOTICE OF THE CONSULTANTS WITHIN 7 DAYS OF RECEIPT OF THIS DRG.
6. CLEAR COVER TO MAIN REINFORCEMENT IN
   a) BEAMS - 25mm. b) SLABS - 20mm.

REV. NO	DATE	ISSUE
REVISIONS		

KEY PLAN :



STRUCTURAL CONSULTANTS

SOBHA

PASSION AT WORK

SOBHA LTD.

SOBHA CORPORATE OFFICE
SARJAPUR-MARATHALLI OUTER RING ROAD (ORR)
DEVARABISANAHALLI, BELLANDUR POST BANGALORE 500103
TEL: +91-80-49320000 www.sobha.com

NO OBJECTION

DEPARTMENT	SIGNATURE AND DATE	NAME
ARCHITECTS		
ELECTRICAL		
PLUMBING		
HVAC		
FIRE		
ENV		

GOOD FOR CONSTRUCTION

HEAD OF THE DEPARTMENT
ANIL KUMAR S HOKRANI
SENIOR VICE PRESIDENT
SIGN.....

DESIGNED BY : SIGN..... MANJUSHREE	CHECKED BY : SIGN..... SANGEETA
DRAWN BY : SIGN..... PAVITHRA	CHECKED BY : SIGN..... UDIPI SRISAYANA

DATE :	SCALE :	SHEET :	REVISION NO:
16-07-2019	As indicated	A2	R0

JOB NO : 382

DWG NO : SE-207-A

SHEET TITLE

ROOF BEAM DETAILS
(BLOCK-A,D&F)

PROJECT TITLE

VERDURE
PH VII & VIII, COIMBATORE



our services doesn't just end there

Buying & Selling Services

Property Buying Assistance, Property Selling Support, Market Price Analysis, Owner Outreach and Negotiation.

Legal & Documentation Services

Certified EC, Patta, legal opinions, property verification, due diligence, litigation solutions, and legal heir certificates.

Property Development & Approvals

Building plan approvals, construction, layout and sub-division approvals, zone conversion, and occupancy certification.

NRI & Investment Services

Escrow Services, Rentals, Litigation Solutions, Property Valuation and Property Management

Compliance & Special Services

Demolition, Vaasthu checks, regularization of unauthorized buildings, and office space solutions.



empowering your real estate decisions with smart tools

Property Valuation & Cost Estimation

Guideline Value, Apartment Composite Value, Stamp Duty & Registration Fees Calculator, Building Value Calculator, Capital Gains Calculator, Area Unit Converter, Length Unit Converter

Ownership, Compliance & Legal Verification

Encumbrance Certificate (EC) Search, Find Your SRO, Temple Property Check, WAQF Property Check, View Patta/Chitta, View FMB, Patta Analyzer, EC Analyzer

Zoning & Land Use Analysis

Land Use Zone Finder, CRZ Zone Check, Aquifer Zone Check, CBA Check, EWS Check, Road Width Check, Proposed Road Widening Check, FSI Calculator

Property Documentation & Workflow Tools

Forms & Templates, Document Generator, Document Translation, Dictionary

Vastu & Property Management Tools

Home Vastu Shastra, Plot Vastu Shastra, Property Management

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