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Chennai, India

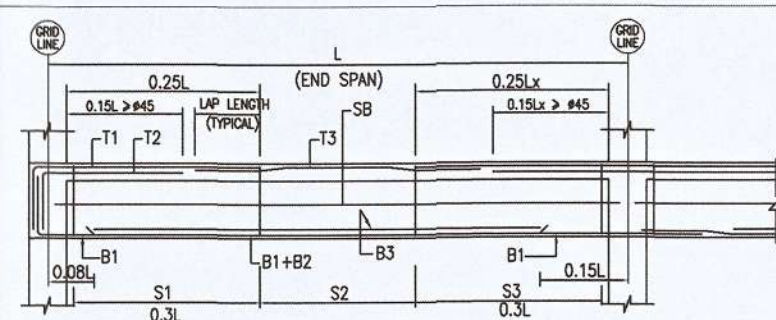
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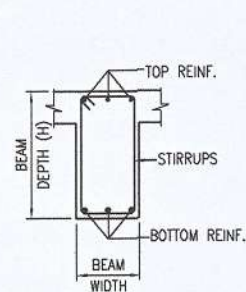
Official Property Record



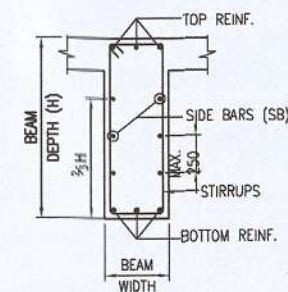


SHEET-02 OF 02

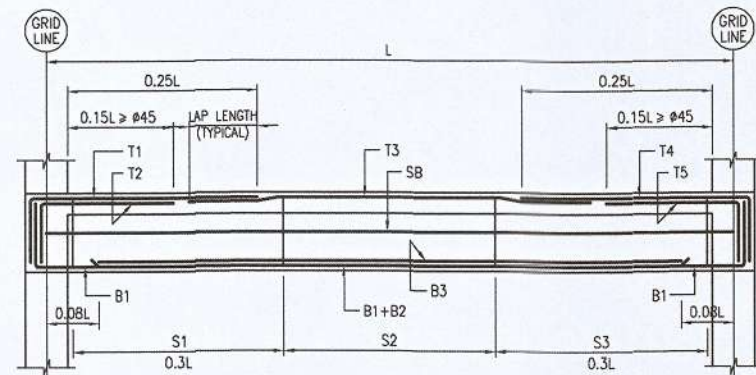
LOCATION			SIZE		SPAN			REINFORCEMENT								SIDE BAR EACH FACE (EF)	STIRRUPS					REMARKS
BEAM MARKING	CATEGORY	GRID LINE OR BEAM MARK	WIDTH (mm)	DEPTH (mm)	LEFT END CANTILEVER Lc	SPAN (APPROX) L	RIGHT END CANTILEVER Rc	SPAN									S1	S2	S3	S4	TYPE	
								T1	T2	T3	T4	T5	B1	B2	B3							
THB4a	1	-	200	450	-	1700	-	2T16	2T12	2T16	2T16	-	2T16	-	-	-	2T10-100	2T10-100	2T10-100	-	1	
THB5	1	-	200	500	-	4475	-	2T20	-	2T20	2T20	-	2T25	-	2T25 [®]	-	2T8-100	2T8-150	2T8-100	-	1	
THB5a	1	-	300	500	-	7310	-	3T25	3T25	3T25	3T25	3T25	3T25	-	2T16 [®]	-	3T10-100	3T10-150	3T10-100	-	1a	
THB6	1	-	200	500	-	2350	-	2T16	-	2T16	2T16	-	2T16	-	-	-	2T8-100	2T8-200	2T8-100	-	1	
THB7	1	-	270/200	500	-	2175	-	2T20	-	2T20	2T20	2T16	2T20	-	-	-	2T12-100	2T12-100	2T12-100	-	1	
THB9	1	-	200	500	-	3475	-	2T16	2T16	2T16	2T16	-	2T16	-	2T12 [®]	-	2T8-100	2T8-125	2T8-100	-	1	
THB10	1	-	200	500	-	1640	-	2T20	2T25	2T20	2T20	-	2T20	-	2T20 [®]	-	2T12-100	2T12-100	2T12-100	-	1	
THB11	1	-	450	375/625	-	6670	-	4T20	2T20	4T20	4T20	4T25	4T20	-	2T20 [®]	-	4T10-100	4T10-150	4T10-100	-	2a	
THB12	1	-	200	450/500	-	6300	-	2T25	2T20	2T25	2T25	2T20	2T25	-	2T25 [®]	-	2T8-100	2T8-150	2T8-100	-	1	
THB13	2	-	200	625	-	1200	-	2T25	2T25	2T25	2T25	-	2T25	-	-	-	-	-	-	2T10-100	1	
THB16	1	-	200	450	-	1700	-	2T16	-	2T16	2T16	-	2T16	-	-	-	2T8-100	2T8-125	2T8-100	-	1	
THB17	1	-	200	500	-	2050	-	2T16	-	2T16	2T16	-	2T16	-	-	-	2T8-100	2T8-200	2T8-100	-	1	
THB18	1	-	200	500	-	3935	-	2T16	-	2T16	2T16	-	2T16	-	2T16 [®]	-	2T8-100	2T8-125	2T8-100	-	1	
THB19	1	-	200	625	-	6375	-	2T20	-	2T20	2T20	2T16	2T20	-	2T20 [®]	-	2T8-100	2T8-125	2T8-100	-	1	
THB20	1	-	300	700/750	-	8700	-	3T25	-	3T25	3T25	3T25	3T25	-	2T20 [®]	-	3T10-100	3T10-150	3T10-100	-	1a	
TVB1	2	-	200	625	-	5995	-	2T25	2T16	2T25	2T25	-	2T25	-	-	-	2T10-100	2T10-150	2T10-100	-	1	
TVB2	1	-	200	625	-	5790	-	2T25	-	2T25	2T25	2T16	2T25	-	2T25 [®]	-	2T8-100	2T8-150	2T8-100	-	1	
TVB3	1	-	200	625	-	5000	-	2T25	-	2T25	2T25	2T25	2T25	-	-	-	2T10-100	2T10-150	2T10-100	-	1	
TVB4	1	-	200	450/500	-	6600	-	2T25	-	2T25	2T25	2T16	2T25	-	2T25 [®]	-	2T10-100	2T10-150	2T10-100	-	1	
TVB5	1	-	200	500	-	3335	-	2T16	-	2T16	2T16	-	2T16	-	2T12 [®]	-	2T8-100	2T8-150	2T8-100	-	1	
TVB6	1	-	200	500	-	2150	-	2T16	-	2T16	2T16	-	2T16	-	-	-	2T8-100	2T8-150	2T8-100	-	1	
TVB7	1	-	200	500	-	3100	-	2T16	-	2T16	2T16	-	2T16	-	-	-	2T8-100	2T8-200	2T8-100	-	1	
TVB7a	1	-	200	500	-	1650	-	2T20	-	2T20	2T20	2T12	2T16	-	-	-	2T12-100	2T12-100	2T12-100	-	1	
TVB8	1	-	200	500	-	1930	-	2T20	2T12	2T20	2T20	-	2T16	-	-	-	2T10-100	2T10-100	2T10-100	-	1	
TVB11	1	-	200	500	-	2980	-	2T16	-	2T16	2T16	-	2T16	-	-	-	2T8-100	2T8-150	2T8-100	-	1	
TVB14a	1	-	200	500	-	5000	-	2T20	-	2T20	2T20	-	2T20	-	2T16 [®]	-	2T8-100	2T8-150	2T8-100	-	1	
TVB14b	1	-	200	450/500	-	5000	-	2T20	-	2T20	2T20	-	2T20	-	2T16 [®]	-	2T8-100	2T8-150	2T8-100	-	1	
TVB16	1	-	200	450/500	-	3800	-	2T20	-	2T20	2T20	-	2T20	-	2T16 [®]	-	2T8-100	2T8-125	2T8-100	-	1	
TVB16a	1	-	200	375	-	9650	-	2T25	-	2T25	2T25	2T25	2T25	-	2T25 [®]	-	2T10-100	2T10-150	2T10-100	-	1	
TVB20	1	-	200	625	-	3935	-	2T25	-	2T25	2T25	-	2T25	-	-	-	2T10-100	2T10-100	2T10-100	-	1	
TVB21	1	-	200	625	-	1920	-	2T25	-	2T25	2T25	-	2T25	-	-	-	2T12-100	2T12-125	2T12-100	-	1	
MARKING BEAM	CATEGORY	BEAM MARK OR GRID LINE	(mm) WIDTH	(mm) DEPTH	Lc CANTILEVER LEFT END	L (APPROX) SPAN	Rc CANTILEVER RIGHT END	T1	T2	T3	T4	T5	B1	B2	B3	SB	S1	S2	S3	S4	TYPE	REMARKS
LOCATION			SIZE		SPAN			REINFORCEMENT								BAR SIDE	STIRRUPS					REMARKS



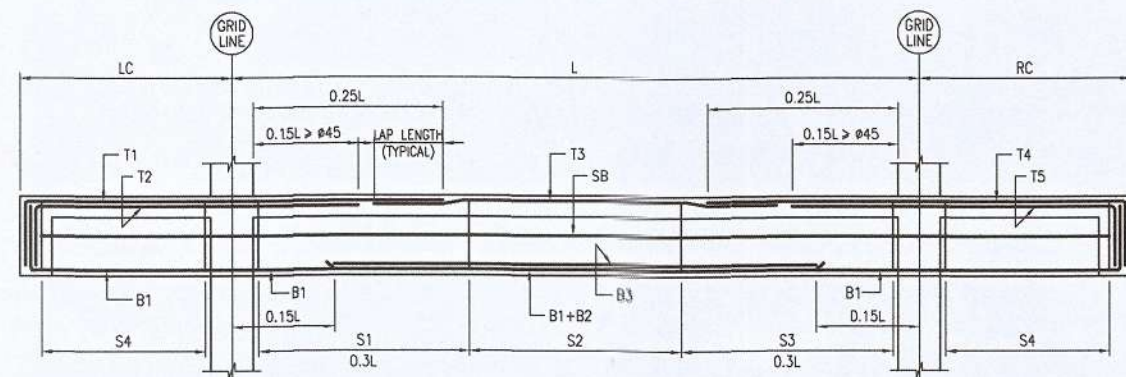
TYP. BEAM SECTION



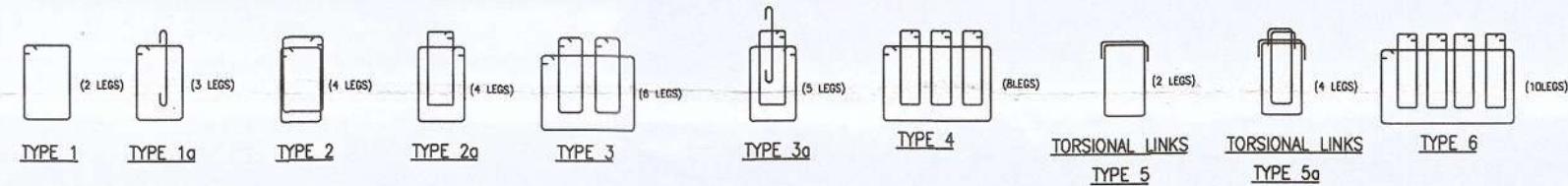
TYP. SIDE BARS DETAIL FOR BEAM DEPTH > 750



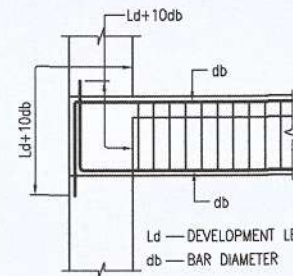
TYPICAL DETAIL OF SINGLE SPAN BEAM (1)



TYPICAL DETAIL OF SINGLE SPAN BEAM WITH CANTILEVERS (2)

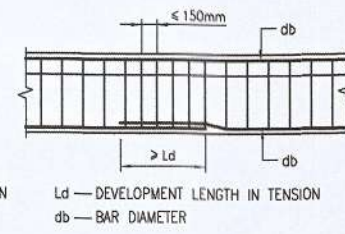


STIRRUPS TYPE



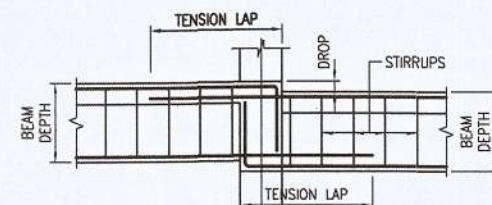
ANCHORAGE OF BEAM BARS AT BEAM AND COLUMN JUNCTION (EXTERNAL JOINT)

NOTE:
IN AN INTERNAL JOINT, BOTH TOP & BOTTOM BARS OF THE BEAM SHALL BE TAKEN CONTINUOUSLY THROUGH THE COLUMN

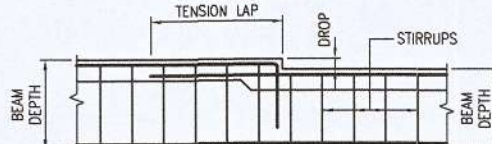


LAP/SPLICE IN BEAM

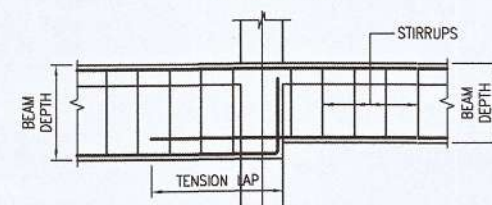
NOTE:
NOT MORE THAN 50 PERCENT OF THE BARS SHALL BE SPLICED AT ONE SECTION



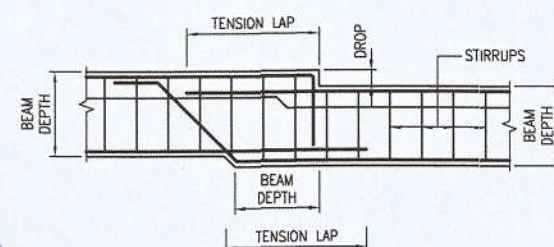
DETAIL 1



DETAIL 2



DETAIL 3



DETAIL 4

Wherever the drop is less than or equivalent to 50
The reinforcement bars can be bent at 1:10 and continued

⊗ INDICATES IN 2ND LAYER FOR FULL LENGTH OF BEAM

NOTES:

1. ALL DIMENSIONS ARE IN MM.
2. FOR GENERAL NOTES REFER TO DWG. NO. BE759-S-/NT/---/01
3. FOR STANDARD DETAILS REFER TO DWG. NO. BE759-S-/SD/---/01 AND BE759-S-/SD/---/02.
4. THIS DRAWING TO BE READ IN CONJUNCTION WITH THE KEY PLAN, ARCHITECTURAL AND ALL OTHER RELEVANT DRAWINGS.
5. GRADE OF CONCRETE:
 - 1) M35 - BASEMENT SLAB & BASEMENT RC WALLS
 - 2) M35 - RC FLOOR BEAMS & RC FLOOR SLABS
 - 3) M50 - RC COLUMNS & RC SHEAR WALLS
 - 4) M35 - PILE & PILE CAP
6. STEEL GRADE: Fe 550D CONFIRMING TO IS:1786-2008
7. CLEAR COVER FOR COLUMN-40mm, SHEAR WALL -30mm, SLAB-25mm, BEAM-30mm, PILE & PILE CAP-75mm, BASEMENT SLAB - TOP & BOTTOM COVER 50mm, PODIUM SLAB (BASEMENT)-TOP & BOTTOM COVER 30mm, BASEMENT RC WALL, & STP RC WALL -40mm, U.G.SUMP BASE SLAB -50mm
8. UNLESS OTHERWISE SPECIFIED, LAP/DEVELOPMENT LENGTH SHALL NOT BE LESS THAN 50 X DIA OF BAR
9. SEISMIC LOAD HAS BEEN CONSIDERED AS PER IS:1893-2016 WITH THE SEISMIC ZONE II. DUCTILE DETAILING CARRIED OUT AS PER THE SPECIFICATIONS MADE IN IS:13920-2016
10. STRUCTURE TO BE CONSTRUCTED IN ACCORDANCE WITH I.S.456-2000, NBC-2016 AND RELEVANT INDIAN CODE SPECIFICATIONS
11. ONUS OF CONSTRUCTION LIES WITH CONTRACTOR/PROTECTOR/BUILDER/OWNER

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 - 2) M35 - RC FLOOR BEAMS & RC FLOOR SLABS
 - 3) M50 - RC COLUMNS & RC SHEAR WALLS
 - 4) M35 - PILE & PILE CAP
6. STEEL GRADE: Fe 550D CONFIRMING TO IS:1786-2008
7. CLEAR COVER FOR COLUMN-40mm, SHEAR WALL -30mm, SLAB-25mm, BEAM-30mm, PILE & PILE CAP-75mm, BASEMENT SLAB - TOP & BOTTOM COVER 50mm, PODIUM SLAB (BASEMENT)-TOP & BOTTOM COVER 30mm, BASEMENT RC WALL, & STP RC WALL -40mm, U.G.SUMP BASE SLAB -50mm
8. UNLESS OTHERWISE SPECIFIED, LAP/DEVELOPMENT LENGTH SHALL NOT BE LESS THAN 50 X DIA OF BAR
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11. ONUS OF CONSTRUCTION LIES WITH CONTRACTOR/PROTECTOR/BUILDER/OWNER

FOUNDATION, COLUMN AND SHEAR WALL
DESIGNED FOR SINGLE BASEMENT +
GROUND+ 14FLOORS + ROOF
USING SOLID BLOCK WALL FOR
BOTH EXTERNAL & INTERNAL WALL

ISSUED FOR APPROVAL PURPOSE Punitha 11/04/25
AMENDMENTS BY DATE

CLIENT:

M/s. AMARA, CHENNAI

MEP CONSULTANT :

ARCHITECT:

DK DESIGNS
ARCHITECTS & INTERIOR DESIGNERS
NO. 32, ANNI STREET, CHENNAI 600 002
STAGE-2, VIRUDHABAVANAM
CHENNAI 600 102
PHONE: 996209955
E-mail: kavithadesign@gmail.com
kavithadesign@gmail.com

Civil & Structural Engineer:

BURO ENGINEERS (P) PRIVATE LTD.
Civil & Structural Consultants
New No. 31, Old No. 14, Besant Avenue, Adyar,
Chennai - 600 020. #044-2481 2754/5556,
e-Mail ID: buroinda@buroengineers.in

APPROVAL DRAWING STRUCTURAL

project title:

PLAN SHOWING THE PROPOSED
CONSTRUCTION OF HIGH-RISE
RESIDENTIAL BUILDING CONSISTING OF
AN EXTENDED BASEMENT FLOOR + STILT
FLOOR (PART) / GROUND FLOOR (PART) +
14 FLOORS RESIDENTIAL BUILDING OF
HEIGHT 48.00M WITH 14 DWELLING
UNITS & AN OPEN SWIMMING POOL @
TERRACE FLOOR LEVEL AVAILING
PREMIUM FSI WITH TOD BENEFIT AT OLD
DOOR NO. 52 & 53, NEW DOOR NO. 04 &
06, ABUTTING VIJAYA RAGHAVA ROAD
AND DR. B NARASIMHAN ROAD (NORTH
BOAG ROAD), T.NAGAR, CHENNAI -
600017, COMPRISED ORIGINALLY IN OLD
S.NO. 58/2, THEN T.S.NO.4887/2
CURRENTLY IN T.S.NO. 4887/4 & T.S.NO.
4887/6, BLOCK NO.114, T.NAGAR
VILLAGE, GUINDY TALUK WITHIN THE
LIMITS OF GREATER CHENNAI
CORPORATION.

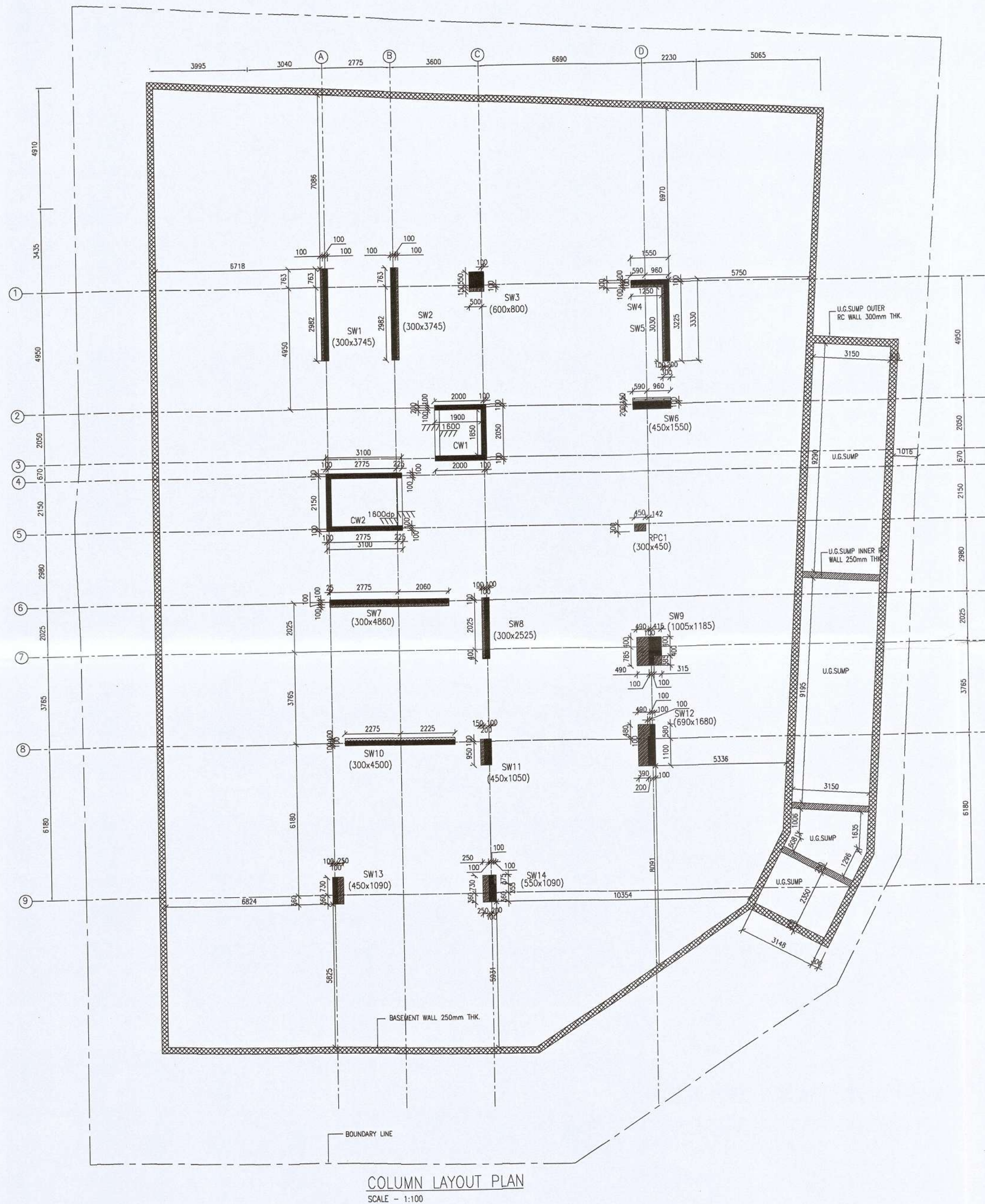
drawing title:

TYPICAL FLOOR BEAM SCHEDULE
(SHEET 02 OF 02)

scale	AS SHOWN	design by	TP
drawn by	Punitha	checked by	TP
date	NOV 2024	approved by	AP
drawing no.	BE759-S-/BMT/---/02	Revision	-

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CAD FILE NAME: BE759-SBMT_02.dwg



COLUMN LAYOUT PLAN
SCALE - 1:100

NOTES:

UNLESS OTHERWISE SPECIFIED,

1. a) GRADE OF CONCRETE FOR PILE - M35
(CEMENTITIOUS CONTENT NOT LESS THAN 400 kg/Cum)
- b) M35 - BASEMENT SLAB & BASEMENT RC WALLS
- c) M35 - RC FLOOR BEAMS & RC FLOOR SLABS
PT BEAMS & PT SLABS
- d) M50 - RC COLUMNS & RC SHEAR WALLS
- e) M35 - PILE & PILE CAP
2. GRADE OF STEEL Fe550

COLUMN TERMINATION LEVEL REFER
CORRESPONDING FRAMING PLAN DRAWINGS

LEGEND:-

	- PART COLUMN/SHEAR WALL TERMINATED AT TERRACE LEVEL (i.e ROOF AND ABOVE ROOF)
	- PART COLUMN/SHEAR WALL TERMINATED AT STILT FLOOR LEVEL (i.e BASEMENT ROOF)
	- PART COLUMN/SHEAR WALL TERMINATED AT STILT FLOOR ROOF SLAB (i.e 1st FLOOR SLAB)
	- PART COLUMN/SHEAR WALL TERMINATED AT FIRST FLOOR ROOF SLAB (i.e 2nd FLOOR SLAB)

A. PERAMAIYAN, M.E., (Struct.), M.I.E.
REGISTERED STRUCTURAL ENGINEER
CHENNAI METROPOLITAN DEVELOPMENT AUTHORITY
REGISTRATION No. SE/GR-II/19/03/026
NEW No. 31 (OLD No.14), BESANT AVENUE ROAD,
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E-Mail: peram@buroengineers.in
Mobile: +91 99625 45630

NOTES:

1. ALL DIMENSIONS ARE IN MM.
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3. FOR STANDARD DETAILS REFER TO DWG. NO. BE1759_S-/SD/--/01
AND BE1759_S-/SD/--/02.
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4) M35 - PILE & PILE CAP
6. STEEL GRADE: Fe 550D CONFIRMING TO IS:1786-2008
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SLAB-25mm, BEAM-30mm, PILE & PILE CAP-75mm
BASEMENT SLAB - TOP & BOTTOM COVER 50mm
PODIUM SLAB (BASEMENT)-TOP & BOTTOM COVER 30mm
BASEMENT RC WALL & STP RC WALL -40mm,
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AS PER THE SPECIFICATIONS MADE IN IS:13920-2016
10. STRUCTURE TO BE CONSTRUCTED IN ACCORDANCE
WITH I.S.456-2000, NBC-2016
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MEP CONSULTANT :

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ARCHITECTS + INTERIOR DESIGNERS
NO. 32 ANNI STREET, CHINNAIVANAGAR
CHENNAI - 600 020. 8044-2461 2754050505.
PHONE: 9862999555
E-Mail: navrathnadkdesign@gmail.com
www.navrathnadkdesign.com

Civil & Structural Engineer:

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Chennai - 600 020. 8044-2461 2754050505.
e-Mail ID: burondsa@buroengineers.in

APPROVAL DRAWING STRUCTURAL

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VILLAGE, GUINDY TALUK WITHIN THE
LIMITS OF GREATER CHENNAI
CORPORATION.

drawing title:

COLUMN LAYOUT

scale	AS SHOWN	design by	TP
drawn by	JMN	checked by	TP
date	NOV 2024	approved by	AP
drawing no.	BE1759_S-/CL/--/01	Revision	-

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CAD FILE NAME: BE1759_S-CL_01.dwg

ALL SETTING OUT DIMENSION SHOWN IN THE STRUCTURAL DRAWINGS, SHALL BE VERIFIED WITH THE
LATEST ARCHITECTURAL DRAWING BEFORE COMMENCEMENT OF CONSTRUCTION. IF THERE IS ANY
DISCREPANCY, IT SHOULD BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER.
THE CONSTRUCTION CAN ONLY PROCEED UPON RECEIVING THE CONFIRMATION FROM THE ARCHITECT ON
THE DIMENSIONS.

Our services go beyond



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.

Smarter Tools, Stronger Decisions



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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We're honored to be part of your
real estate journey

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