



R0	FOR TENDER	23/07/24	MK	OC
REV NO	DESCRIPTION	DATE	CHD	APP

CLIENT:
M/S INDIAN BANK (INDSETI) TIRUPATHUR

DRAWING TITLE
SITE PLAN

PRINCIPAL ARCHITECTS
Oscar & Ponni Architects

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☐ INFORMATION ☒ FINDER ☐ APPROVAL ☐ CONSTRUCTION ☐ OBS BUILT

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DOORS & WINDOWS SCHEDULE

TYPE	DESCRIPTION (SEE SPEC)	SLL	LINTEL
W0	100024000 TREAT WOOD FRAME WITH WATER-PROOF FLASHER	0.00m³	240000
	100004000 TREATED WOOD FRAME WITH FLOOR DOOR SHUTTER	0.00m³	240000
D1	100024000 TREATED WOOD FRAME WITH FLOOR DOOR SHUTTER	0.00m³	240000
D2	100024000 TREATED WOOD FRAME WITH FLOOR DOOR SHUTTER	0.00m³	240000
D3	100024000 TREATED WOOD FRAME WITH FLOOR DOOR SHUTTER	0.00m³	240000
D4	100024000 TREATED WOOD FRAME WITH WATER-PROOF FLASHER DOOR SHUTTER	0.00m³	240000
D	700240100 TREATED WOOD FRAME WITH WATER-PROOF FLASHER DOOR SHUTTER	0.00m³	710000
MSD	100024000 TREATED WOOD FRAME WITH FLOOR DOOR SHUTTER	0.00m³	240000
W	210013500 LSPVC WINDOW	19.00m³	200000
W	100013500 LSPVC WINDOW	19.00m³	200000
W	600013500 LSPVC WINDOW	19.00m³	200000
KW	90000000 LSPVC WINDOW	19.00m³	200000
W	100000000 LSPVC WINDOW WITH FLOOR GLAZERS	22.00m³	200000
U1	300000000 LSPVC CENTILATORS WITH FLOOR GLAZERS	22.00m³	200000
U2	200000000 LSPVC CENTILATORS WITH FLOOR GLAZERS	22.00m³	200000
U3	600000000 LSPVC CENTILATORS WITH FLOOR GLAZERS	22.00m³	200000

1. Multiple a register of Drawing Numbers and Revision numbers, from which selected, data received, number of copies received, and copies of transmittal from this and any other relevant details to be obtained from time to time.
2. The Contractor shall provide the drawing to the Engineer for review and approval.
3. While working superintending drawings, the Contractor is expected to stamp all previously listed drawings / prints appropriately, mentioning the date and revision number of the new revision on account of which the previous revision is abolished.
4. The Contractor shall also keep the representative of Client / PMO Architect to inspect Contractor's archives for ensuring compliance.

R0	FOR TENDER	14/09/24	OP	OC
REV NO	DESCRIPTION	DATE	CHD	APP

PROJECT:
INDIAN BANK SELF EMPLOYMENT
TRAINING INSTITUTE BUILDING FOR
M/S INDIAN BANK RURAL
DEVELOPMENT TRAINING
INSTITUTE, TIRUPATHUR DISTRICT.

CLIENT:
M/S INDIAN BANK (INDSETI) TIRUPATHUR

PRINCIPAL ARCHITECTS

OSCAR & PONNI ARCHITECTS
No. 2, Vivekananda Road,
Srinivasa nagar,Chetpet,
Chennai-600 031,India.
Tel : 91-44-2836 1962. 28361237
E-mail : cgoscar@yahoo.com,
Web: www.oclarchitects.com
www.ponniconcessao.com

DRAWING TITLE

GROUND FLOOR PLAN

SCALE	1:100	DRAWN	DEEPA
DATE	14-09-2024	CHECKED	
DWG. NO.	AEC-TD-03-02	REV. NO.	

FILE PATH :

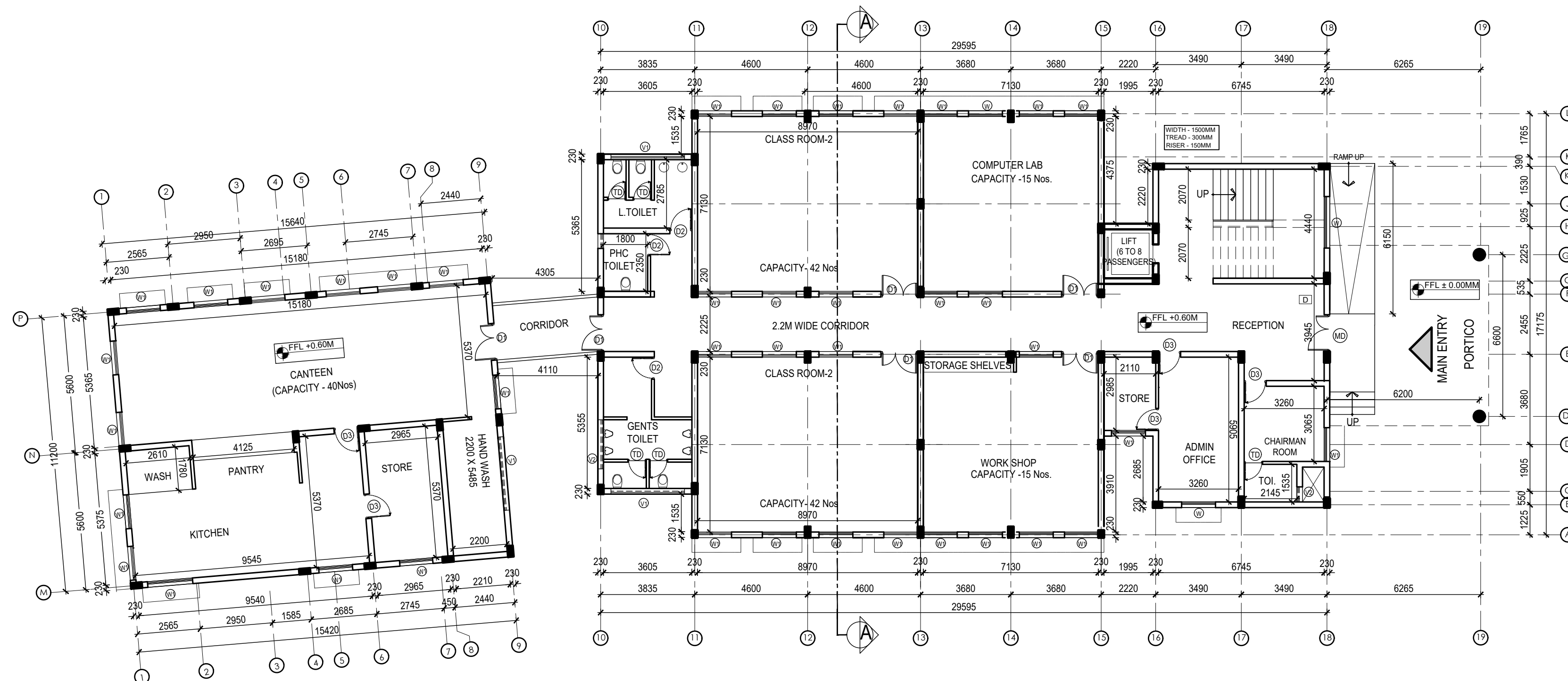
Oscar & Ponni Architects

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GROUND FLOOR PLAN





DOORS & WINDOWS SCHEDULE

TYPE	SIZE	DESCRIPTION (MG PER SPEC)	BILL	LIMIT
D1	1500X400	TREAT WOOD FRAME WITH WATER PROOF FLUSH DOOR SHUTTER	0.009M	24000M
D2	1000X400	TREAT WOOD FRAME WITH FLUSH DOOR SHUTTER	0.006M	24000M
D3	1200X400	TREAT WOOD FRAME WITH FLUSH DOOR SHUTTER	0.006M	24000M
D4	1000X400	TREAT WOOD FRAME WITH FLUSH DOOR SHUTTER	0.006M	24000M
D5	900X400	TREAT WOOD FRAME WITH WATER PROOF FLUSH DOOR SHUTTER	0.009M	24000M
D6	700X100	TREAT WOOD FRAME WITH WATER PROOF FLUSH DOOR SHUTTER	0.006M	21000M
M50	1000X100	MELT DOWN FLUSH DOOR	0.006M	25000M
W1	2100X130	UPCIP WINDOW	19.000M	26000M
W2	1500X130	UPCIP WINDOW	19.000M	26000M
W3	800X130	UPCIP WINDOW	19.000M	26000M
W4	900X100	UPCIP WINDOW	19.000M	26000M
W5	1000X100	UPCIP WINDOW	22.000M	26000M
W6	1000X100	UPCIP WINDOW WITH FIBRE GLASS	22.000M	26000M
D7	3000X400	UPCIP VENTILATORS WITH FIBRE GLASS	22.000M	26000M
D8	2000X400	UPCIP VENTILATORS WITH FIBRE GLASS	22.000M	26000M
D9	600X400	UPCIP VENTILATORS WITH FIBRE GLASS	22.000M	26000M

1. Multiple a register of Drawing Numbers and Revision numbers, from which selected, data received, number of copies received, and copies of transmittal from this and any other relevant details to be obtained from time to time.
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R0	FOR TENDER	14/09/24	MK	OC
REV.NO	DESCRIPTION	DATE	CHD	APP

PROJECT:
INDIAN BANK SELF EMPLOYMENT
TRAINING INSTITUTE BUILDING FOR
M/S INDIAN BANK RURAL
DEVELOPMENT TRAINING
INSTITUTE, TIRUPATHUR DISTRICT.

CLIENT:
M/S INDIAN BANK (INDSETI) TIRUPATHUR

PRINCIPAL ARCHITECTS

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Web : www.oclarchitects.com
www.ponniconcessao.com

DRAWING TITLE

FIRST FLOOR PLAN

SCALE	1:100	DRAWN	DEEPA
DATE	14-09-2024	CHECKED	
DWG. NO.	AEC-TD-03-03	REV. NO.	

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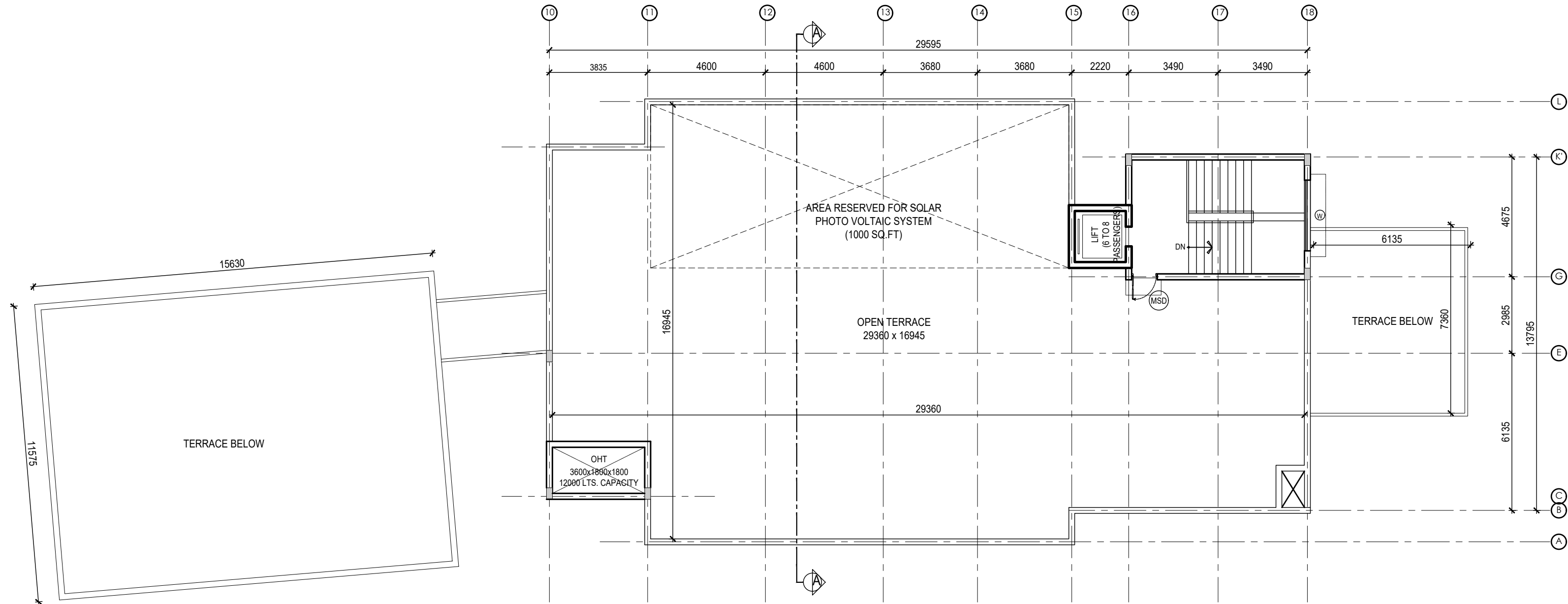
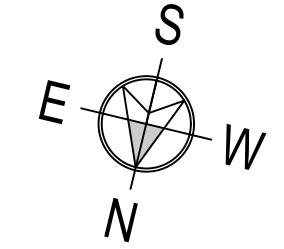
PRINCIPAL ARCHITECTS
Oscar & Ponni Architects

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14/09/24



TERRACE FLOOR PLAN

LEGEND:				
DOORS & WINDOWS SCHEDULE				
TYPE	SIZE	DESCRIPTION (AS PER SPEC)	SILL	LINTEL
MD	1500X2400	TEAK WOOD FRAME WITH TEAK VENEER FLUSH DOOR	6.00MM	2400MM
D	1000X2000	TREATED WOOD FRAME WITH FLUSH DOOR SHUTTER	6.00MM	2400MM
D1	1000X2000	TREATED WOOD FRAME WITH FLUSH DOOR SHUTTER	6.00MM	2400MM
D2	1000X2000	TREATED WOOD FRAME WITH FLUSH DOOR SHUTTER	6.00MM	2400MM
D3	800X2000	TREATED WOOD FRAME WITH FLUSH DOOR SHUTTER	6.00MM	2400MM
D4	800X2000	TREATED WOOD FRAME WITH WATER PROOF FLUSH DOOR SHUTTER	6.00MM	2400MM
TD	700X2100	TREATED WOOD FRAME WITH WATER PROOF FLUSH DOOR SHUTTER	6.00MM	2100MM
MSD	1000X2000	MILD STEEL DOOR	6.00MM	2400MM
W	1100X1500	UPVC WINDOW	1500MM	1500MM
W1	1300X1300	UPVC WINDOW	1000MM	1300MM
W2	600X1300	UPVC WINDOW	1600MM	2400MM
W3	600X2000	UPVC WINDOW	1500MM	2400MM
V	400X600	UPVC VENTILATORS WITH FIXED LOUVERS	2250MM	2500MM
V1	200X600	UPVC VENTILATORS WITH FIXED LOUVERS	2250MM	2500MM
V2	200X600	UPVC VENTILATORS WITH FIXED LOUVERS	2250MM	2500MM
V3	600X600	UPVC VENTILATORS WITH FIXED LOUVERS	1600MM	2400MM

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1. The drawings shall be issued only as per the latest revision drawing. Once a revision drawing is issued, the validity of the previous revision drawing issued shall not be considered and shall not be used for any purpose other than that for which it has been issued. The Contractor shall be responsible for maintaining the date and revision number of the new revision to extension of time.

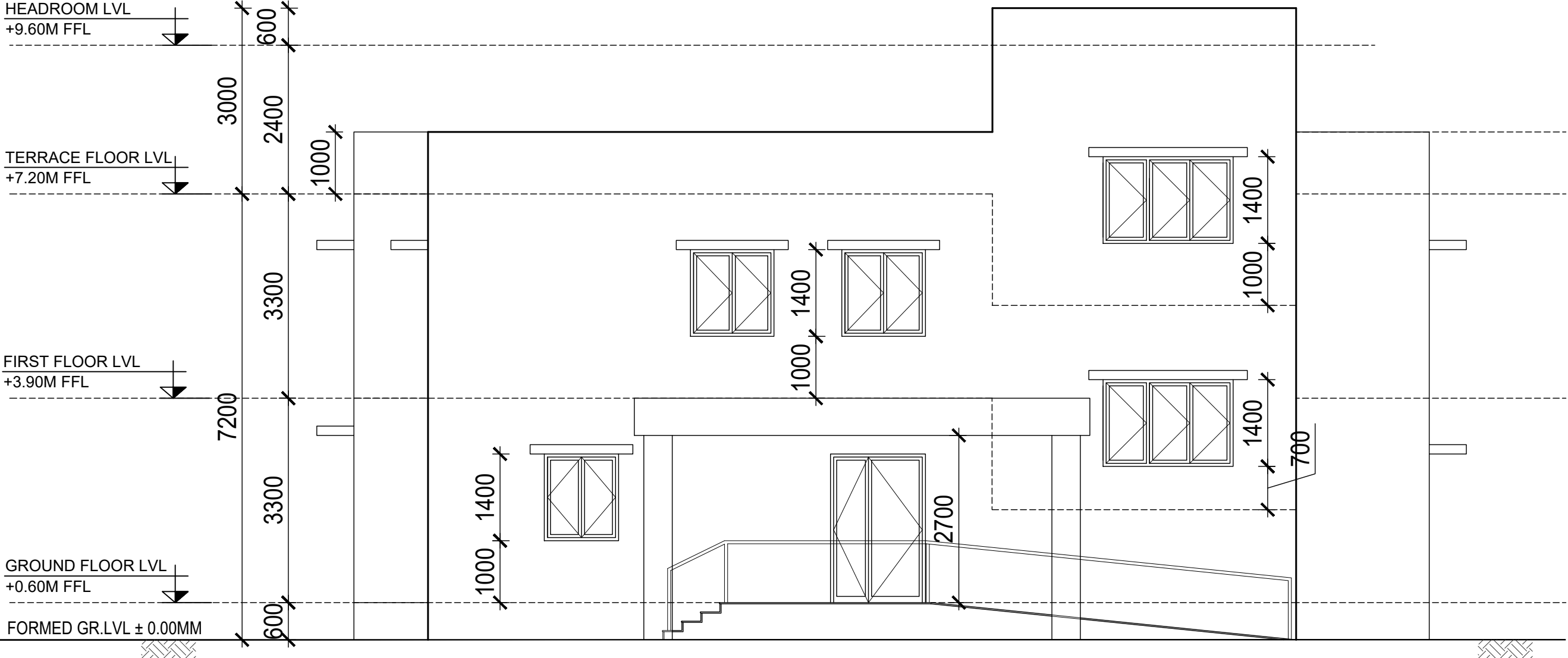
2. Archive all previous revision issues immediately upon receipt of a new revision and no superseded drawing shall remain in the site of works except in the Contractor's archives for record and reference purposes only.

3. The Contractor shall ensure that the drawings are kept in a safe place and shall not be lost, damaged, or otherwise compromised. The Contractor shall be responsible for the safekeeping of the drawings and shall be liable for any loss or damage to the drawings.

4. The Contractor shall follow the representation of Oscar & Ponni Architects in the drawings and shall be responsible for ensuring compliance.

5. Any work carried out by the Contractor using a superseded drawing after the issue of a new revision is liable for rejection and reinstatement as per new revision at Contractor's risk and cost without any entitlement to extension of time.

14/09/24



FRONT / WEST SIDE ELEVATION

DOORS & WINDOWS SCHEDULE

DOORS & WINDOWS SCHEDULE					
ITEM	SIZE	DESCRIPTION	UNIT	QTY	PRICE
D0	1000X2400	TEAK WOOD FRAME WITH TEAK VENEER FLUSH DOOR	0.0000	240000	240000
W1	1000X2400	TREATED WOOD FRAME WITH FLUSH DOOR SHUTTER	0.0000	100000	100000
W1	1000X2400	TREATED WOOD FRAME WITH FLUSH DOOR SHUTTER	0.0000	100000	100000
D3	800X2400	TREATED WOOD FRAME WITH FLUSH DOOR SHUTTER	0.0000	240000	240000
D4	900X2400	TREATED WOOD FRAME WITH FLUSH DOOR SHUTTER	0.0000	240000	240000
D2	700X2100	TREATED WOOD FRAME WITH WATER PROOF FLUSH DOOR SHUTTER	0.0000	210000	210000
M50	2100X100	MILSTEEL DOOR	0.0000	300000	300000
W1	1500X100	UPVC WINDOW	10.0000	240000	240000
W2	800X100	UPVC WINDOW	10.0000	240000	240000
W3	1000X100	UPVC WINDOW	10.0000	240000	240000
W4	400X100	UPVC VENTILATORS WITH FIBRE GLASS	22.0000	240000	240000
W1	1000X100	UPVC VENTILATORS WITH FIBRE GLASS	22.0000	240000	240000
W2	2000X100	UPVC VENTILATORS WITH FIBRE GLASS	22.0000	240000	240000
W3	600X100	UPVC VENTILATORS WITH FIBRE GLASS	18.0000	240000	240000

R0	FOR TENDER	14/09/24	DP	OC
REV.NO	DESCRIPTION	DATE	CHD	APP

PROJECT:
INDIAN BANK SELF EMPLOYMENT
TRAINING INSTITUTE BUILDING FOR
M/S INDIAN BANK RURAL
DEVELOPMENT TRAINING
INSTITUTE, TIRUPATHUR DISTRICT.

CLIENT:
M/S INDIAN BANK (INDSETI) TIRUPATHUR

PRINCIPAL ARCHITECTS



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Chennai-600 031.India.
Tel : 91-44-2836 1962. 28361237
E-mail : cgoscar@yahoo.com,
Web : www.oclarchitects.com
www.ponniconcessao.com

DRAWING TITLE

FRONT ELEVATION

SCALE	1:50	DRAWN	DEEPA
DATE	14/09/24	CHECKED	
DWG. NO.	AEC-TD-03-05	REV. NO.	R0

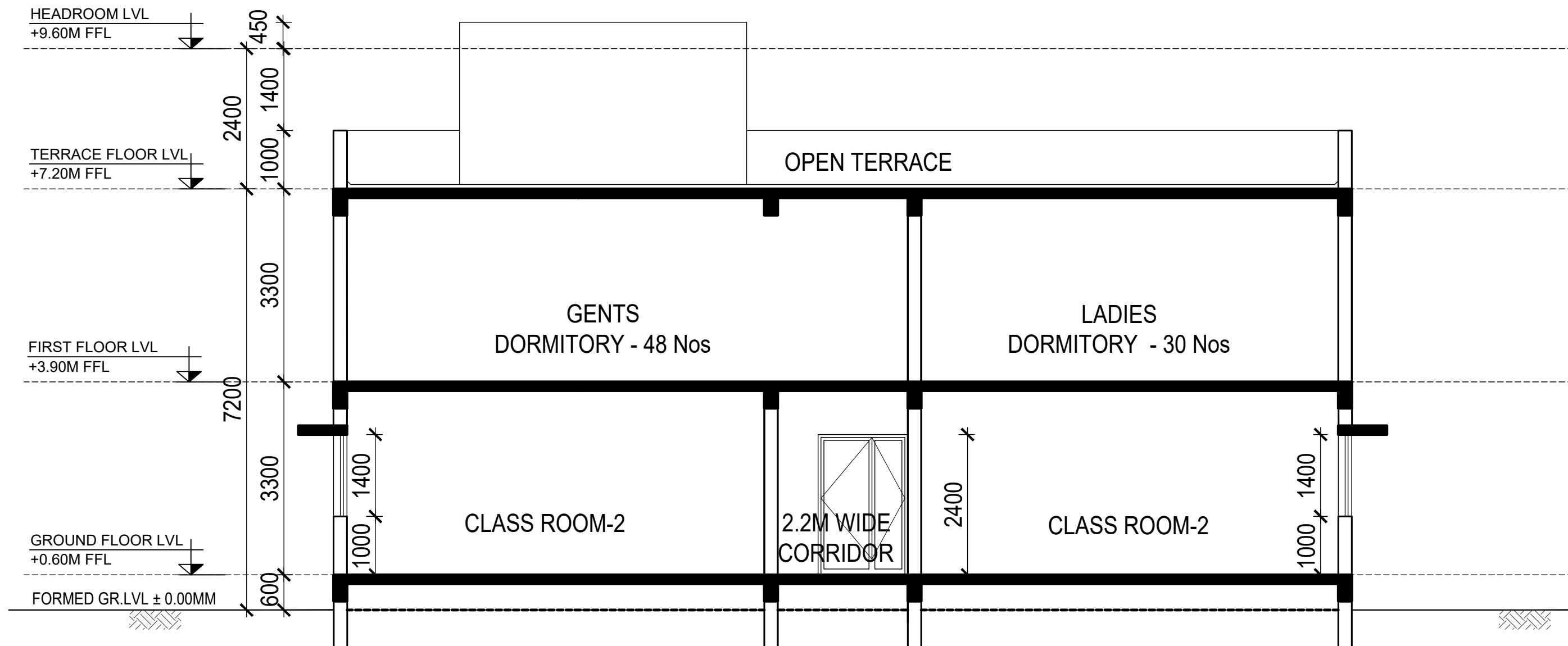
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Oscar & Ponni Architects

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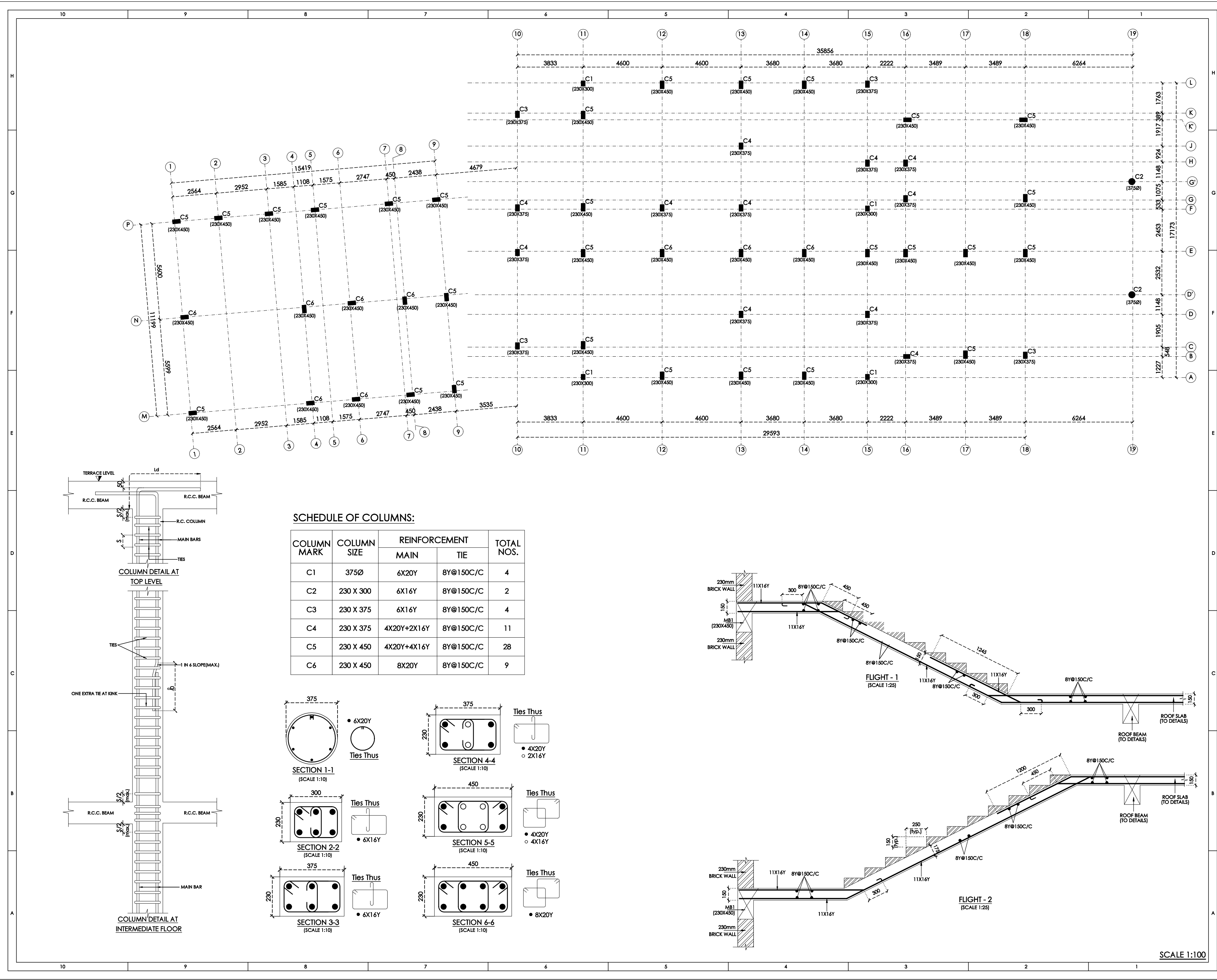
14/09/24



SECTION 'A-A'

LEGEND:				
DOORS & WINDOWS SCHEDULE				
TYPE	SIZE	DESCRIPTION (AS PER SPEC)	SILL	LINTEL
MD	1500X2400	TEAK WOOD FRAME WITH TEAK VENEER FLUSH DOOR	6.00MM	2400MM
D	1500X2400	TREATED WOOD FRAME WITH FLUSH DOOR SHUTTER	6.00MM	2400MM
D1	1000X2400	TREATED WOOD FRAME WITH FLUSH DOOR SHUTTER	6.00MM	2400MM
D2	1000X2400	TREATED WOOD FRAME WITH FLUSH DOOR SHUTTER	6.00MM	2400MM
D3	800X2400	TREATED WOOD FRAME WITH FLUSH DOOR SHUTTER	6.00MM	2400MM
D4	800X2400	TREATED WOOD FRAME WITH WATER PROOF FLUSH DOOR SHUTTER	6.00MM	2400MM
TD	700X2100	TREATED WOOD FRAME WITH WATER PROOF FLUSH DOOR SHUTTER	6.00MM	2100MM
MSD	1000X2400	MILD STEEL DOOR	6.00MM	2400MM
W	1100X1300	UPVC WINDOW	1000MM	1300MM
W1	1300X1300	UPVC WINDOW	1000MM	1300MM
W2	600X1300	UPVC WINDOW	1800MM	2400MM
V	600X600	UPVC WINDOW	1500MM	2400MM
V	400X600	UPVC VENTILATORS WITH FIXED LOUVERS	2250MM	2500MM
V1	300X600	UPVC VENTILATORS WITH FIXED LOUVERS	2250MM	2500MM
V2	200X600	UPVC VENTILATORS WITH FIXED LOUVERS	2250MM	2500MM
V3	600X600	UPVC VENTILATORS WITH FIXED LOUVERS	1800MM	2400MM
PROJECT:				
INDIAN BANK SELF EMPLOYMENT TRAINING INSTITUTE BUILDING FOR M/S INDIAN BANK RURAL DEVELOPMENT TRAINING INSTITUTE, TIRUPATHUR DISTRICT.				
CLIENT:				
M/S INDIAN BANK (INDSETI) TIRUPATHUR.				
PRINCIPAL ARCHITECTS				
OSCAR & PONNI ARCHITECTS No. 2, Vivekananda Road, Srinivasa nagar, Chelipet, Chennai-600 031,India. Tel : 91-44-2836 1962, 28361237 E-mail : cgoncar@yahoo.com, Web: www.oscararchitects.com www.ponniconcessao.com				
DRAWING TITLE				
SECTION 'A-A'				
SCALE	1:50	DRAWN	DEEPA	
DATE	14/09/24	CHECKED		
DWG. NO.	AEC-TD-03-07	REV. NO.	R0	
FILE PATH :				
PRINCIPAL ARCHITECTS				
Oscar & Ponni Architects				
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- "m" denotes deformed bars.
- Clear cover for reinforcements shall be,
 - i) For Footings 50mm to all reinforcement.
 - ii) For Columns 40mm to all reinforcement.
 - iii) For Beams 25mm to all reinforcement.
- Minimum lap length shall be 50xDiameter of the main bar for all R.C.C. works.
- Use M25 grade concrete and Fe 500 grade steel for all R.C.C. works.
- This Building is designed for G +1 floors
- S.B.C. considered is 300kN/m² for Isolated Footing

REV.	DATE	DESCRIPTION	DWN.	APP.
		REVISIONS		

REFERENCES:

PROPOSED CONSTRUCTION OF
TRAINING CENTRE FOR INDSETI

COLUMN LAYOUT AND DETAILS
STAIRCASE SECTION

STRUCTURAL WORKING DRAWING

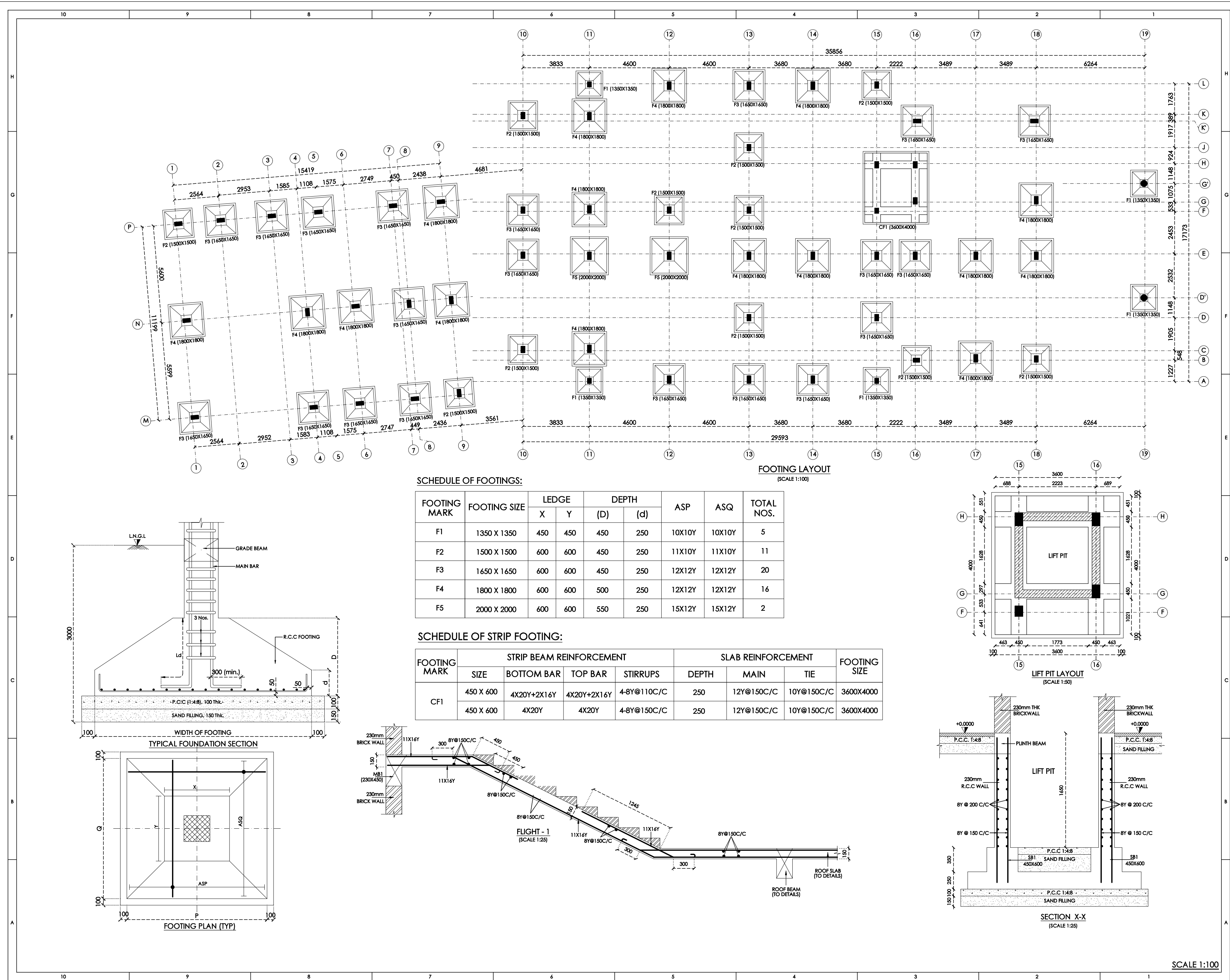
Department	STRUCTURE
Drawn	V.Pushpa
Dealt	R.Ganesh
Checked	R.Ganesh
Date	09.04.2024

Sheet size A 2

Structural Consultant:

 SG CONSULTANTS

Er.R.GANESH,M.Tech.
Mobile : 9789455270
email: ganeshramu1987@gmail.com

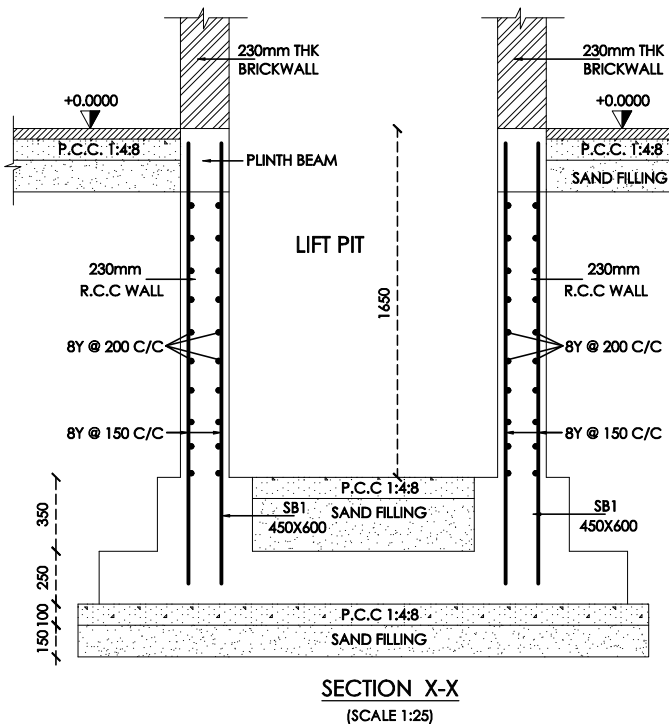
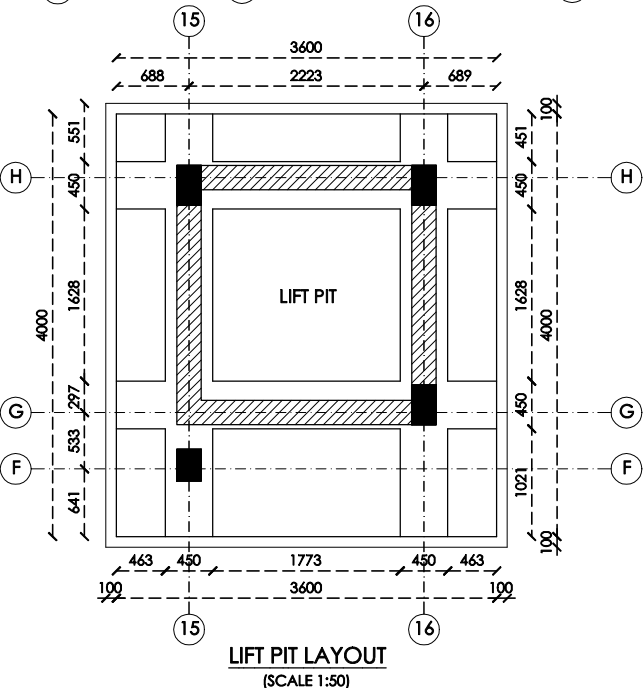


SCHEDULE OF FOOTINGS:

FOOTING MARK	FOOTING SIZE	LEDGE		DEPTH		ASP	ASQ	TOTAL NOS.
		X	Y	(D)	(d)			
F1	1350 X 1350	450	450	450	250	10X10Y	10X10Y	5
F2	1500 X 1500	600	600	450	250	11X10Y	11X10Y	11
F3	1650 X 1650	600	600	450	250	12X12Y	12X12Y	20
F4	1800 X 1800	600	600	500	250	12X12Y	12X12Y	16
F5	2000 X 2000	600	600	550	250	15X12Y	15X12Y	2

SCHEDULE OF STRIP FOOTING:

FOOTING MARK	STRIP BEAM REINFORCEMENT				SLAB REINFORCEMENT			FOOTING SIZE
	SIZE	BOTTOM BAR	TOP BAR	STIRRUPS	DEPTH	MAIN	TIE	
CF1	450 X 600	4X20Y+2X16Y	4X20Y+2X16Y	4-8Y@110C/C	250	12Y@150C/C	10Y@150C/C	3600X4000
	450 X 600	4X20Y	4X20Y	4-8Y@150C/C	250	12Y@150C/C	10Y@150C/C	3600X4000



- "Y" denotes deformed bars.
- Clear cover for reinforcements shall be:
 - i) For Footings 50mm to all reinforcement.
 - ii) For Columns 40mm to all reinforcement.
 - iii) For Beams 25mm to all reinforcement.
- Minimum lap length shall be 50xDiameter of the main bar for all R.C.C. works.
- Use M25 grade concrete and Fe 500 grade steel for all R.C.C. works.
- This Building is designed for G +1 floors
- S.B.C. considered is 300kN/m² for Isolated Footing

REV.	DATE	DESCRIPTION	DWN.	APP.
		REVISIONS		

REFERENCES:

PROPOSED CONSTRUCTION OF TRAINING CENTRE FOR INDSETI

FOOTING LAYOUT AND DETAILS LIFT PIT LAYOUT & SECTION

STRUCTURAL WORKING DRAWING

Department	STRUCTURE
Drawn	V.Pushpa
Dealt	R.Ganesh
Checked	R.Ganesh
Date	09.04.2024

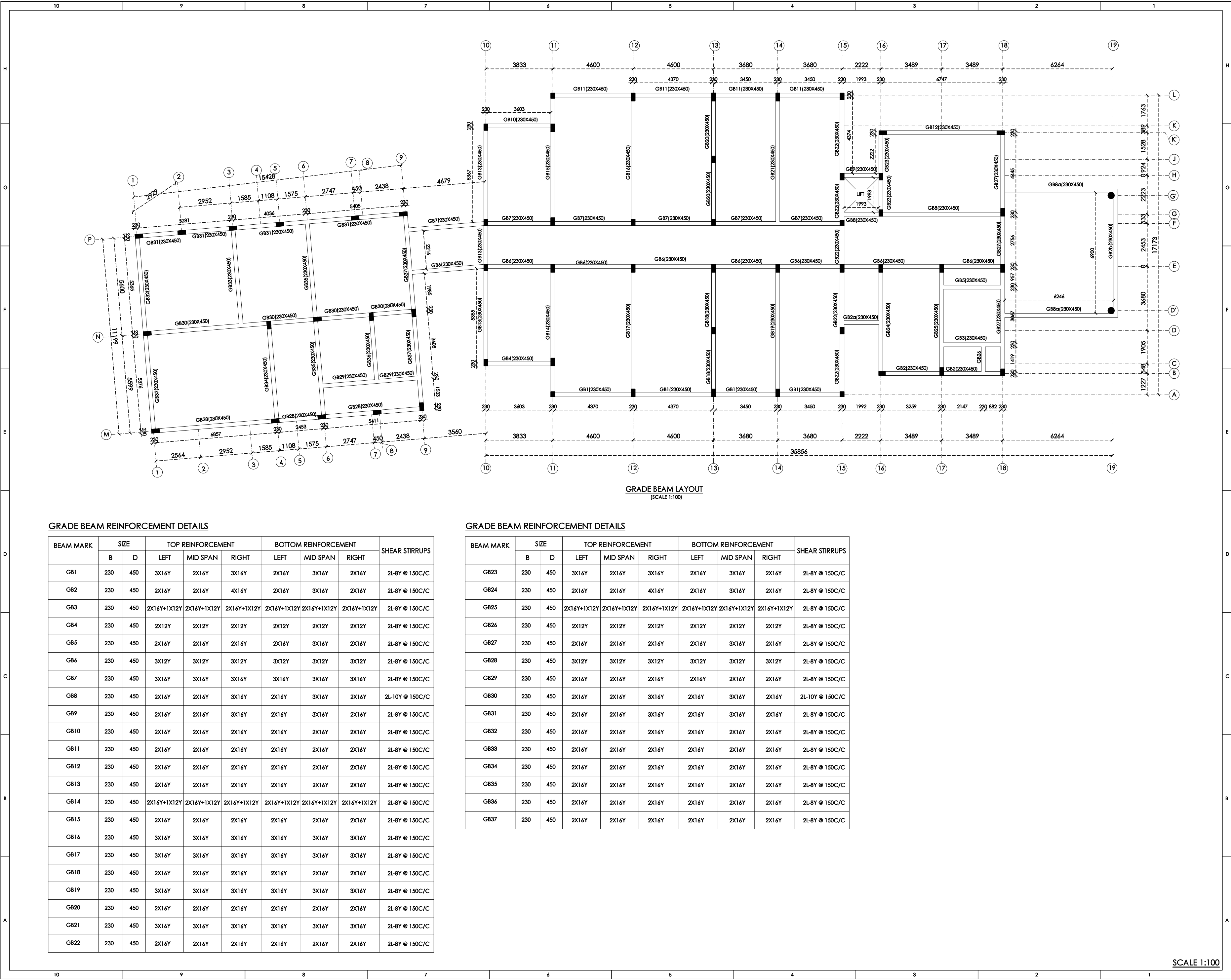
Sheet size A 2

Structural Consultant:



Er.R.GANESH,M.Tech.
Mobile : 9789455270
email: ganeshramu1987@gmail.com

SCALE 1:100



GRADE BEAM LAYOUT
(SCALE 1:100)

GRADE BEAM REINFORCEMENT DETAILS

BEAM MARK	SIZE		TOP REINFORCEMENT			BOTTOM REINFORCEMENT			SHEAR STIRRUPS
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	
GB1	230	450	3X16Y	2X16Y	3X16Y	2X16Y	3X16Y	2X16Y	2L-8Y @ 150C/C
GB2	230	450	2X16Y	2X16Y	4X16Y	2X16Y	3X16Y	2X16Y	2L-8Y @ 150C/C
GB3	230	450	2X16Y+1X12Y	2X16Y+1X12Y	2X16Y+1X12Y	2X16Y+1X12Y	2X16Y+1X12Y	2X16Y+1X12Y	2L-8Y @ 150C/C
GB4	230	450	2X12Y	2X12Y	2X12Y	2X12Y	2X12Y	2X12Y	2L-8Y @ 150C/C
GB5	230	450	2X16Y	2X16Y	2X16Y	2X16Y	3X16Y	2X16Y	2L-8Y @ 150C/C
GB6	230	450	3X12Y	3X12Y	3X12Y	3X12Y	3X12Y	3X12Y	2L-8Y @ 150C/C
GB7	230	450	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	2L-8Y @ 150C/C
GB8	230	450	2X16Y	2X16Y	3X16Y	2X16Y	3X16Y	2X16Y	2L-10Y @ 150C/C
GB9	230	450	2X16Y	2X16Y	3X16Y	2X16Y	3X16Y	2X16Y	2L-8Y @ 150C/C
GB10	230	450	2X16Y	2X16Y	2X16Y	2X16Y	2X16Y	2X16Y	2L-8Y @ 150C/C
GB11	230	450	2X16Y	2X16Y	2X16Y	2X16Y	2X16Y	2X16Y	2L-8Y @ 150C/C
GB12	230	450	2X16Y	2X16Y	2X16Y	2X16Y	2X16Y	2X16Y	2L-8Y @ 150C/C
GB13	230	450	2X16Y	2X16Y	2X16Y	2X16Y	2X16Y	2X16Y	2L-8Y @ 150C/C
GB14	230	450	2X16Y+1X12Y	2X16Y+1X12Y	2X16Y+1X12Y	2X16Y+1X12Y	2X16Y+1X12Y	2X16Y+1X12Y	2L-8Y @ 150C/C
GB15	230	450	2X16Y	2X16Y	2X16Y	2X16Y	2X16Y	2X16Y	2L-8Y @ 150C/C
GB16	230	450	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	2L-8Y @ 150C/C
GB17	230	450	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	2L-8Y @ 150C/C
GB18	230	450	2X16Y	2X16Y	2X16Y	2X16Y	2X16Y	2X16Y	2L-8Y @ 150C/C
GB19	230	450	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	2L-8Y @ 150C/C
GB20	230	450	2X16Y	2X16Y	2X16Y	2X16Y	2X16Y	2X16Y	2L-8Y @ 150C/C
GB21	230	450	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	2L-8Y @ 150C/C
GB22	230	450	2X16Y	2X16Y	2X16Y	2X16Y	2X16Y	2X16Y	2L-8Y @ 150C/C

GRADE BEAM REINFORCEMENT DETAILS

BEAM MARK	SIZE		TOP REINFORCEMENT			BOTTOM REINFORCEMENT			SHEAR STIRRUPS
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	
GB23	230	450	3X16Y	2X16Y	3X16Y	2X16Y	3X16Y	2X16Y	2L-8Y @ 150C/C
GB24	230	450	2X16Y	2X16Y	4X16Y	2X16Y	3X16Y	2X16Y	2L-8Y @ 150C/C
GB25	230	450	2X16Y+1X12Y	2X16Y+1X12Y	2X16Y+1X12Y	2X16Y+1X12Y	2X16Y+1X12Y	2X16Y+1X12Y	2L-8Y @ 150C/C
GB26	230	450	2X12Y	2X12Y	2X12Y	2X12Y	2X12Y	2X12Y	2L-8Y @ 150C/C
GB27	230	450	2X16Y	2X16Y	2X16Y	2X16Y	3X16Y	2X16Y	2L-8Y @ 150C/C
GB28	230	450	3X12Y	3X12Y	3X12Y	3X12Y	3X12Y	3X12Y	2L-8Y @ 150C/C
GB29	230	450	2X16Y	2X16Y	2X16Y	2X16Y	2X16Y	2X16Y	2L-8Y @ 150C/C
GB30	230	450	2X16Y	2X16Y	3X16Y	2X16Y	3X16Y	2X16Y	2L-10Y @ 150C/C
GB31	230	450	2X16Y	2X16Y	3X16Y	2X16Y	3X16Y	2X16Y	2L-8Y @ 150C/C
GB32	230	450	2X16Y	2X16Y	2X16Y	2X16Y	2X16Y	2X16Y	2L-8Y @ 150C/C
GB33	230	450	2X16Y	2X16Y	2X16Y	2X16Y	2X16Y	2X16Y	2L-8Y @ 150C/C
GB34	230	450	2X16Y	2X16Y	2X16Y	2X16Y	2X16Y	2X16Y	2L-8Y @ 150C/C
GB35	230	450	2X16Y	2X16Y	2X16Y	2X16Y	2X16Y	2X16Y	2L-8Y @ 150C/C
GB36	230	450	2X16Y	2X16Y	2X16Y	2X16Y	2X16Y	2X16Y	2L-8Y @ 150C/C
GB37	230	450	2X16Y	2X16Y	2X16Y	2X16Y	2X16Y	2X16Y	2L-8Y @ 150C/C

- * "Y" denotes deformed bars.
- * Clear cover for reinforcements shall be,
 - i) For Footings 50mm to all reinforcement.
 - ii) For Columns 40mm to all reinforcement.
 - iii) For Beams 25mm to all reinforcement.
- * Minimum lap length shall be 50xDiameter of the main bar for all R.C.C. works.
- * Use M25 grade concrete and Fe 500 grade steel for all R.C.C. works.
- * This Building is designed for G +1 floors
- * S.B.C. considered is 300kN/m² for Isolated Footing

REV.	DATE	DESCRIPTION	DWN.	APP.

REFERENCES:				

PROPOSED CONSTRUCTION OF
TRAINING CENTRE FOR INDSETI

GRADE BEAM LAYOUT AND DETAILS

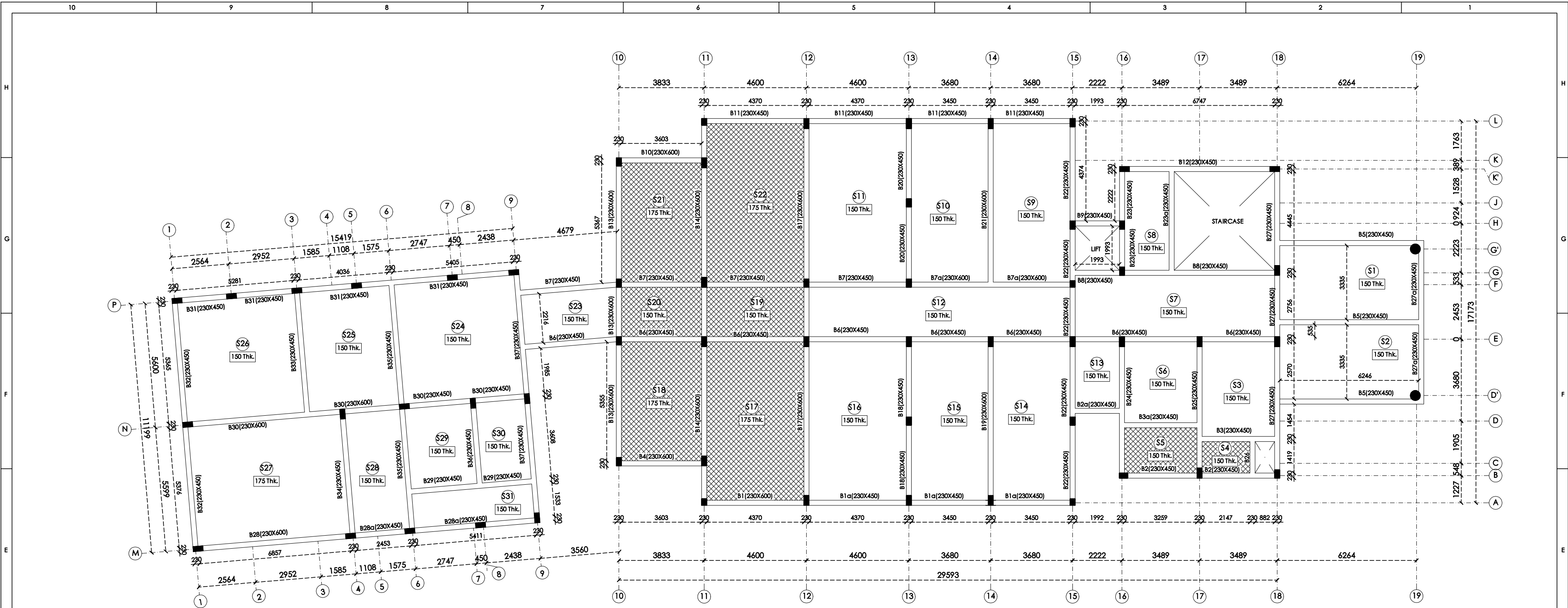
STRUCTURAL WORKING DRAWING	
Department	STRUCTURE
Drawn	V.Pushpa
Dealt	R.Ganesh
Checked	R.Ganesh
Date	09.04.2024
Sheet size	A 2

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SCALE 1:100



GROUND FLOOR ROOF BEAM & SLAB LAYOUT
(SCALE 1:100)

GROUND FLOOR ROOF BEAM REINFORCEMENT DETAILS

BEAM MARK	SIZE		TOP REINFORCEMENT			BOTTOM REINFORCEMENT			SHEAR STIRRUPS
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	
B1	230	450	3X16Y	2X16Y	3X16Y	2X16Y	3X16Y	2X16Y	2L-8Y @ 150C/C
B1a	230	600	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	2L-10Y @ 150C/C
B2	230	450	2X16Y	2X16Y	4X16Y	2X16Y	3X16Y	2X16Y	2L-8Y @ 150C/C
B3	230	450	2X16Y+1X12Y	2X16Y+1X12Y	2X16Y+1X12Y	2X16Y+1X12Y	2X16Y+1X12Y	2X16Y+1X12Y	2L-8Y @ 150C/C
B4	230	450	2X12Y	2X12Y	2X12Y	2X12Y	2X12Y	2X12Y	2L-8Y @ 150C/C
B5	230	450	2X20Y	2X20Y	2X20Y	2X20Y	2X20Y	2X20Y	2L-8Y @ 150C/C
B6	230	450	3X12Y	3X12Y	3X12Y	3X12Y	3X12Y	3X12Y	2L-8Y @ 150C/C
B7	230	450	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	2L-8Y @ 150C/C
B8	230	450	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	2L-10Y @ 150C/C
B9	230	450	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	2L-8Y @ 150C/C
B10	230	450	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	2L-8Y @ 150C/C
B11	230	450	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	2L-8Y @ 150C/C
B12	230	450	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	2L-8Y @ 150C/C
B13/B7a	230	600	5X20Y	3X20Y	5X20Y	3X20Y	5X20Y	3X20Y	2L-10Y @ 150C/C
B14	230	600	5X20Y	3X20Y	5X20Y	3X20Y	5X20Y	3X20Y	2L-10Y @ 150C/C
B15	230	450	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	2L-8Y @ 150C/C
B16	230	450	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	2L-8Y @ 150C/C
B17	230	600	5X20Y	3X20Y	5X20Y	3X20Y	5X20Y	3X20Y	2L-10Y @ 150C/C
B18	230	450	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	2L-8Y @ 150C/C
B19	230	600	5X20Y	3X20Y	5X20Y	3X20Y	5X20Y	3X20Y	2L-10Y @ 150C/C
B20	230	450	3X16Y	3X16Y	5X20Y	3X16Y	3X16Y	3X16Y	2L-8Y @ 150C/C
B21	230	600	5X20Y	3X20Y	2X16Y	3X20Y	5X20Y	3X20Y	2L-10Y @ 150C/C
B22	230	450	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	2L-8Y @ 150C/C

GROUND FLOOR ROOF BEAM REINFORCEMENT DETAILS

BEAM MARK	SIZE		TOP REINFORCEMENT			BOTTOM REINFORCEMENT			SHEAR STIRRUPS
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	
B23	230	450	3X16Y	2X16Y	3X16Y	2X16Y	3X16Y	2X16Y	2L-8Y @ 150C/C
B24	230	450	2X16Y	2X16Y	4X16Y	2X16Y	3X16Y	2X16Y	2L-8Y @ 150C/C
B25	230	450	2X16Y+1X12Y	2X16Y+1X12Y	2X16Y+1X12Y	2X16Y+1X12Y	2X16Y+1X12Y	2X16Y+1X12Y	2L-8Y @ 150C/C
B26	230	450	2X12Y	2X12Y	2X12Y	2X12Y	2X12Y	2X12Y	2L-8Y @ 150C/C
B27a	230	450	3X20Y	2X20Y	3X20Y	2X20Y	3X20Y	2X20Y	2L-8Y @ 150C/C
B28	230	450	3X12Y	3X12Y	3X12Y	3X12Y	3X12Y	3X12Y	2L-8Y @ 150C/C
B29	230	450	2X16Y	2X16Y	2X16Y	2X16Y	2X16Y	2X16Y	2L-8Y @ 150C/C
B28a/B30	230	600	5X20Y	3X20Y	5X20Y	3X20Y	5X20Y	3X20Y	2L-10Y @ 150C/C
B31	230	450	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	2L-8Y @ 150C/C
B32	230	450	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	2L-8Y @ 150C/C
B33	230	450	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	2L-8Y @ 150C/C
B34	230	450	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	2L-8Y @ 150C/C
B35	230	450	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	2L-8Y @ 150C/C
B36	230	450	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	2L-8Y @ 150C/C
B37	230	450	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	2L-8Y @ 150C/C

GROUND FLOOR ROOF SLAB REINFORCEMENT DETAILS

SL.NO	SLAB NAMES	THK	TYPE	BOTTOM REINFORCEMENT		TOP REINFORCEMENT		DISTRIBUTION	REMARKS
				SHORT SPAN (BENT UP)	LONG SPAN (BENT UP)	SHORT SPAN (BENT UP)	LONG SPAN (BENT UP)		
1	S1, S2, S3, S4, S5, S12, S22	150	2- Way	10Y@200C/C	8Y@200C/C	10Y@200C/C	8Y@200C/C	8Y@200C/C	-
2	S6, S8, S9, S10, S11, S13	150	2- Way	8Y@200C/C	8Y@200C/C	8Y@200C/C	8Y@200C/C	8Y@200C/C	-
3	S23, S24, S25, S26, S27, S28, S29, S30, S31	150	2- Way	12Y@150C/C	12Y@150C/C	12Y@150C/C	12Y@150C/C	10Y@150C/C	-
4	S7, S12	150	1- Way	8Y@150C/C	8Y@150C/C	8Y@150C/C	8Y@150C/C	8Y@175C/C	-
5	S14, S15, S16	150	2- Way	8Y@150C/C	8Y@150C/C	8Y@150C/C	8Y@150C/C	8Y@175C/C	-
6	S4, S5, S20, S21	150	2- Way	8Y@150C/C	8Y@150C/C	8Y@150C/C	8Y@150C/C	8Y@150C/C	SUNKEN BY 300 mm
7	S17, S18, S21, S22	175	1- Way	8Y@150C/C	8Y@150C/C	8Y@150C/C	8Y@150C/C	8Y@150C/C	SUNKEN BY 425 mm

- * "Y" denotes deformed bars.
- * Clear cover for reinforcements shall be.
 - ii) For Columns 40mm to all reinforcement.
 - iii) For Beams 25mm to all reinforcement.
 - iii) For Slabs 20mm to all reinforcement.
- * Minimum lap length shall be 50xDiameter of the main bar for all R.C.C. works.
- * Use M25 grade concrete and Fe 500 grade steel for all R.C.C. works.
- * This Building is designed for G +1 floors
- * S.B.C. considered is 300kN/m² for Isolated Footing

REV.	DATE	DESCRIPTION	DWN.	APP.
		REVISIONS		

REFERENCES:

PROPOSED CONSTRUCTION OF
TRAINING CENTRE FOR INDSETI

GROUND FLOOR ROOF BEAM
AND SLAB LAYOUT & DETAILS

STRUCTURAL WORKING DRAWING

Department	STRUCTURE
Drawn	V.Pushpa
Dealt	R.Ganesh
Checked	R.Ganesh
Date	09.04.2024

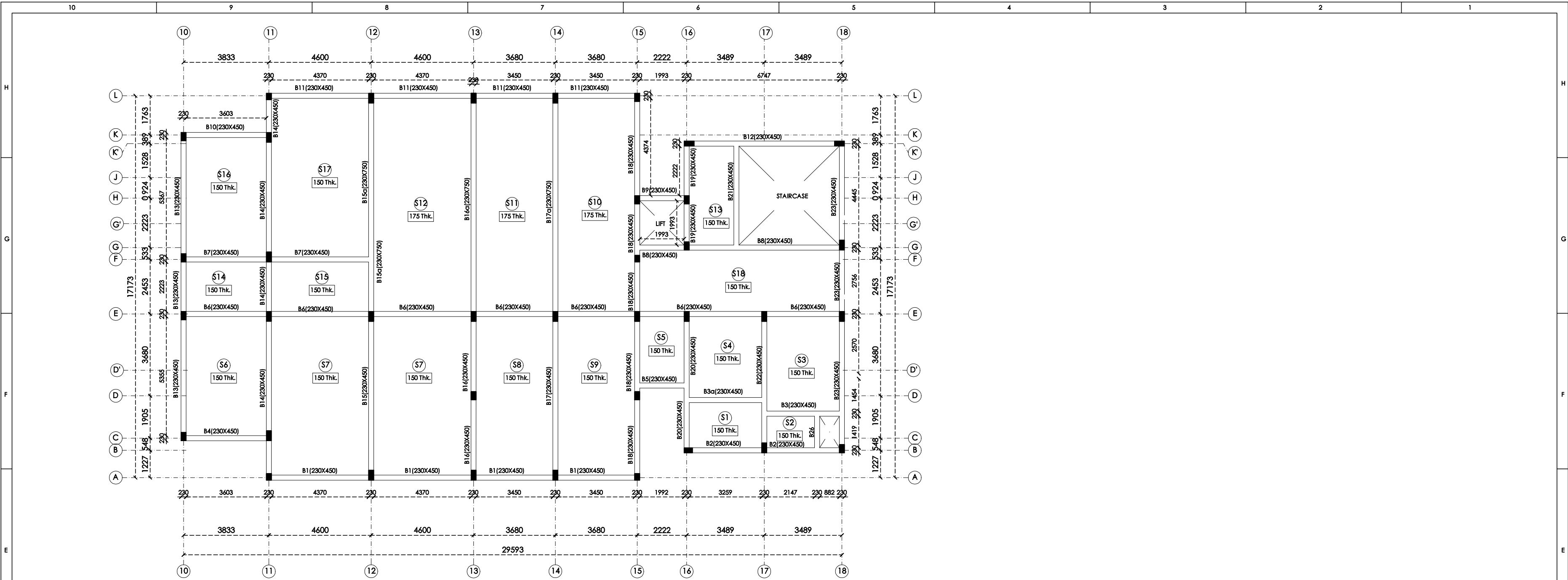
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SCALE 1:100



TERRACE FLOOR ROOF BEAM & SLAB LAYOUT
(SCALE 1:100)

TERRACE FLOOR BEAM REINFORCEMENT DETAILS

BEAM MARK	SIZE		TOP REINFORCEMENT			BOTTOM REINFORCEMENT			SHEAR STIRRUPS
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	
B1	230	450	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	2L-8Y @ 150C/C
B2	230	450	2X16Y	2X16Y	4X16Y	2X16Y	3X16Y	2X16Y	2L-8Y @ 150C/C
B3/B3a	230	450	2X16Y+1X12Y	2X16Y+1X12Y	2X16Y+1X12Y	2X16Y+1X12Y	2X16Y+1X12Y	2X16Y+1X12Y	2L-8Y @ 150C/C
B4	230	450	2X12Y	2X12Y	2X12Y	2X12Y	2X12Y	2X12Y	2L-8Y @ 150C/C
B5	230	450	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	2L-8Y @ 150C/C
B6	230	450	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	2L-8Y @ 150C/C
B7	230	450	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	2L-8Y @ 150C/C
B8	230	450	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	2L-8Y @ 150C/C
B9	230	450	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	2L-8Y @ 150C/C
B10	230	450	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	2L-8Y @ 150C/C
B11	230	450	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	2L-8Y @ 150C/C
B12	230	450	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	2L-8Y @ 150C/C
B13	230	450	4X16Y	2X16Y	4X16Y	2X16Y	4X16Y	2X16Y	2L-8Y @ 150C/C
B14	230	450	3X20Y+2X16Y	2X20Y	3X20Y+2X16Y	2X20Y	3X20Y+2X16Y	2X20Y	2L-8Y @ 150C/C
B15	230	450	2X16Y	2X16Y	2X16Y	2X16Y	2X16Y	2X16Y	2L-8Y @ 150C/C
B15a/B16a/ B17a	230	750	5X20Y	3X20Y	5X20Y	3X20Y	5X20Y	3X20Y	2L-10Y @ 150C/C
B16	230	450	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	2L-8Y @ 150C/C
B17	230	450	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	2L-8Y @ 150C/C
B18	230	450	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	2L-8Y @ 150C/C
B19	230	450	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	2L-8Y @ 150C/C
B20	230	450	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	2L-8Y @ 150C/C
B21	230	450	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	2L-8Y @ 150C/C
B22	230	450	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	3X16Y	2L-8Y @ 150C/C
B23	230	450	4X16Y	2X16Y	4X16Y	2X16Y	4X16Y	2X16Y	2L-8Y @ 150C/C

TERRACE FLOOR SLAB REINFORCEMENT DETAILS

SL.NO	SLAB NAMES	THK	TYPE	BOTTOM REINFORCEMENT		TOP REINFORCEMENT		DISTRIBUTION	REMARKS
				SHORT SPAN (BENT UP)	LONG SPAN (BENT UP)	SHORT SPAN (BENT UP)	LONG SPAN (BENT UP)		
1	S1, S2, S3, S4, S5	150	2- Way	10Y@200C/C	8Y@200C/C	10Y@200C/C	8Y@200C/C	8Y@200C/C	-
2	S6, S7, S8, S9	150	2- Way	8Y@200C/C	8Y@200C/C	8Y@200C/C	8Y@200C/C	8Y@200C/C	-
3	S10, S11, S12	175	1- Way	12Y@150C/C	12Y@150C/C	12Y@150C/C	12Y@150C/C	10Y@150C/C	-
3	S18	150	1- Way	8Y@150C/C	8Y@150C/C	8Y@150C/C	8Y@150C/C	8Y@175C/C	-
4	S13, S14, S15	150	2- Way	8Y@150C/C	8Y@150C/C	8Y@150C/C	8Y@150C/C	8Y@175C/C	-
5	S16, S17	150	2- Way	8Y@150C/C	8Y@150C/C	8Y@150C/C	8Y@150C/C	8Y@150C/C	-

- * "Y" denotes deformed bars.
- * Clear cover for reinforcements shall be.
 - ii) For Columns 40mm to all reinforcement.
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 - iii) For Slabs 20mm to all reinforcement.
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- * This Building is designed for G +1 floors
- * S.B.C. considered is 300kN/m² for Isolated Footing

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SCALE 1:100