

GOOD FOR CONSTRUCTION

NOTES -
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 2- FIGURE DIMENSIONS SHALL BE FOLLOWED.
 3- ALL DIMENSIONS SHALL BE CHECKED & VERIFIED BEFORE COMMENCEMENT OF THE WORK.
 4- DISCREPANCY, IF ANY, SHALL BE BROUGHT TO THE NOTICE OF ARCHITECT IN-CHARGE AND CLARIFICATION OBTAINED IN WRITING PRIOR TO EXECUTION OF THE WORK.

SCHEDULE OF OPENINGS:

S.NO.	TYPE	SIZE		SILL	LINTEL		
	OVERALL	DOOR	WINDOW	DOOR	WINDOW		
1	DW1	1200X2400	750	450	-	2400	
2	DW2	1350X2400	750	600	-	2400	
3	FD	1500X2400	1500	-	-	2400	
4	D1	1500X2400	1500	-	-	2400	
5	D2	1000X2400	1000	-	-	2400	
6	D3	900X2400	900	-	-	2400	
7	D4	750X2100	750	-	-	2100	
8	W1	1800X1500	-	1800	900	-	2400
9	W2	1500X1500	-	1500	900	-	2400
10	W3	1200X1500	-	1200	900	-	2400
11	W4	1000X1500	-	1000	900	-	2400
12	W5	900X1350	-	900	1050	-	2400
13	V1	600X900	-	600	1500	-	2400

Revision Notes -

Rev Purpose of Issue Date Authorized

PROJECT -

PROPOSED DISTRICT JAILCOMPLEX) AT MAHOBIA, UTTAR PRADESH.

BUILDING - TYPE-2 RESIDENCE (G+3)

DRG. TITLE -

GROUND FLOOR PLAN & FIRST FLOOR PLAN

NORTH -	SCALE -	DATE -	REV -
		APRIL '23	R0

DRG NO. - AED/DJ/MHB/TYP2/AR/

CLIENT -

IMPLEMENTING AGENCY -
UTTAR PRADESH PUBLIC WORKS
DEPARTMENT GOVT. OF UTTAR PRADESH



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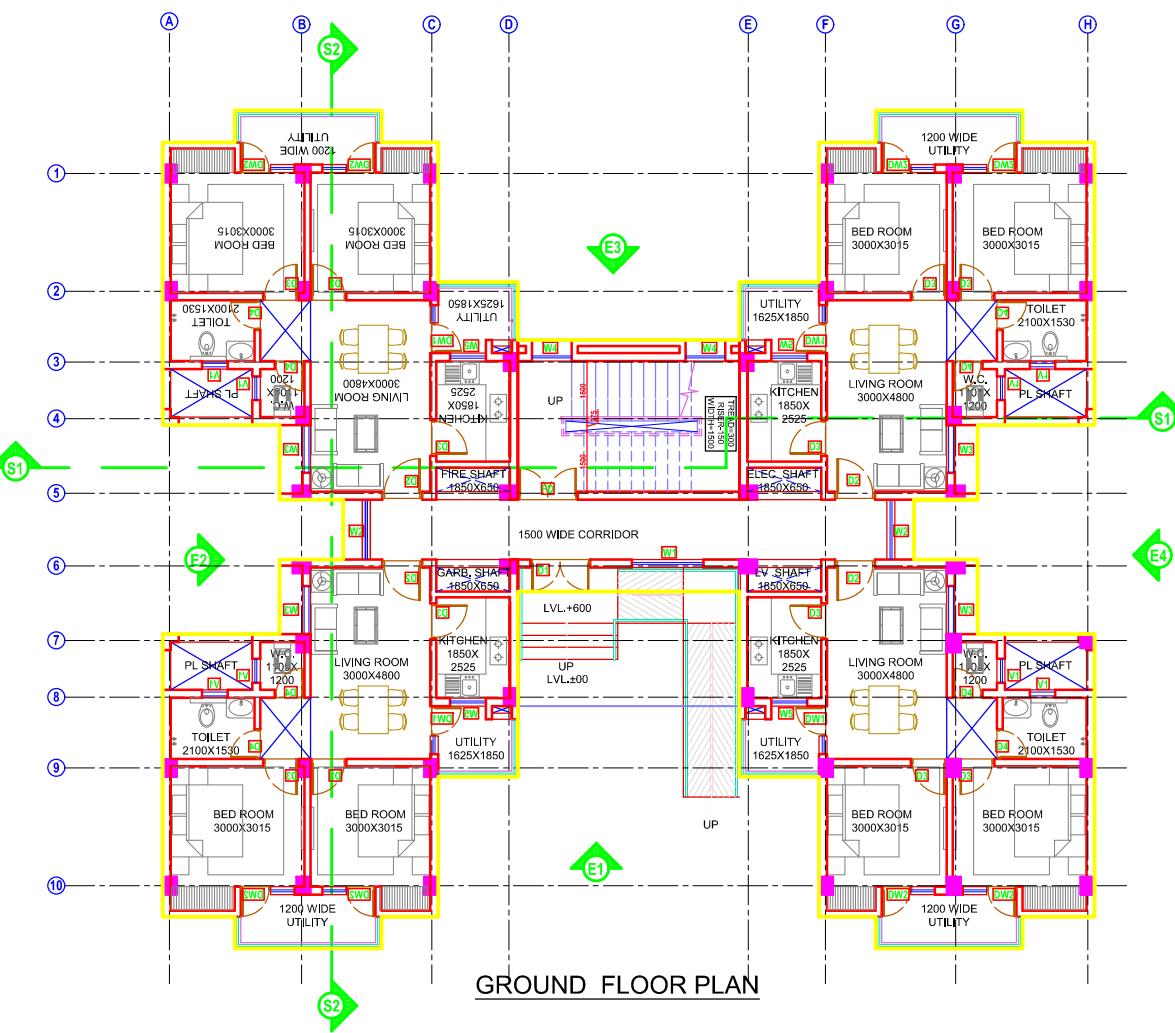
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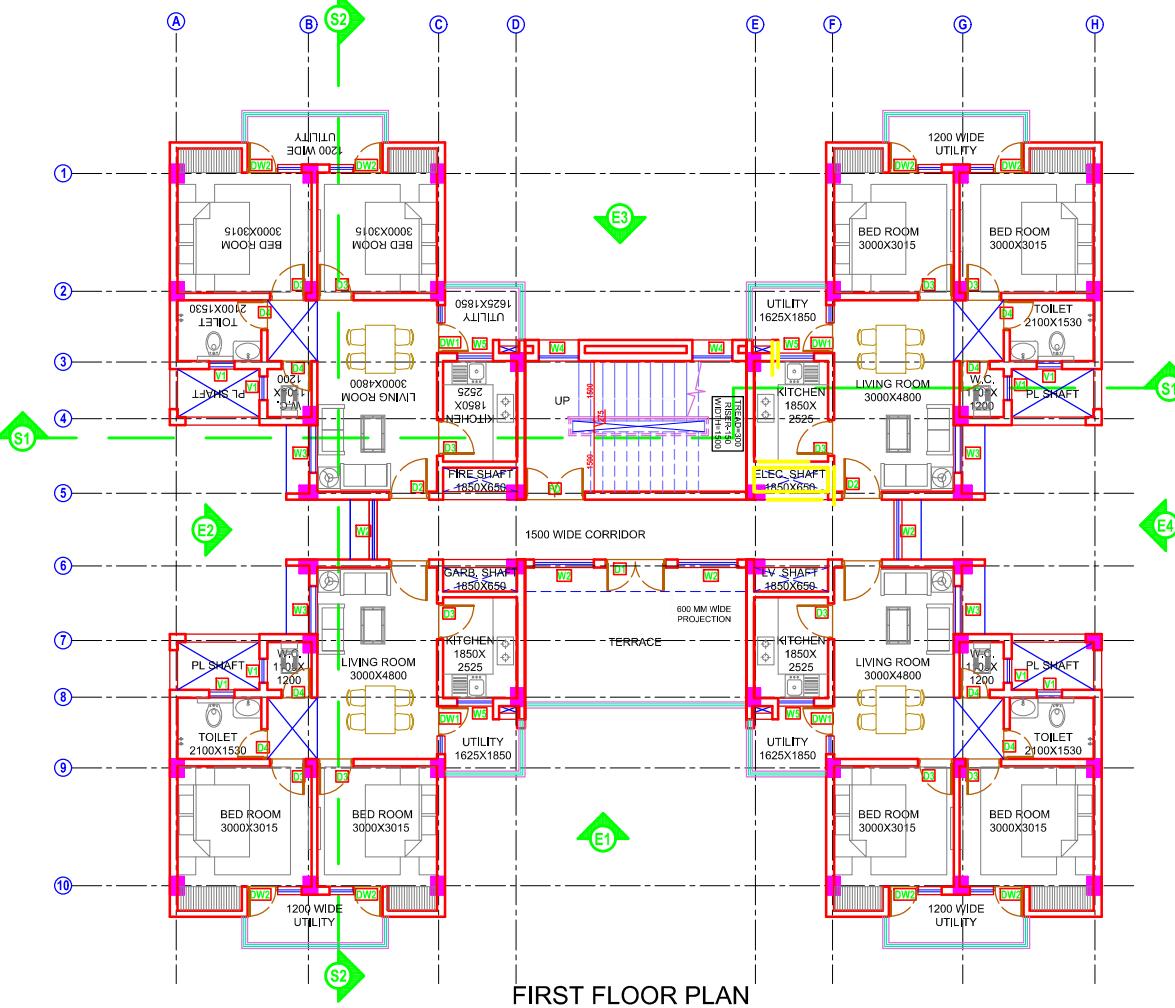
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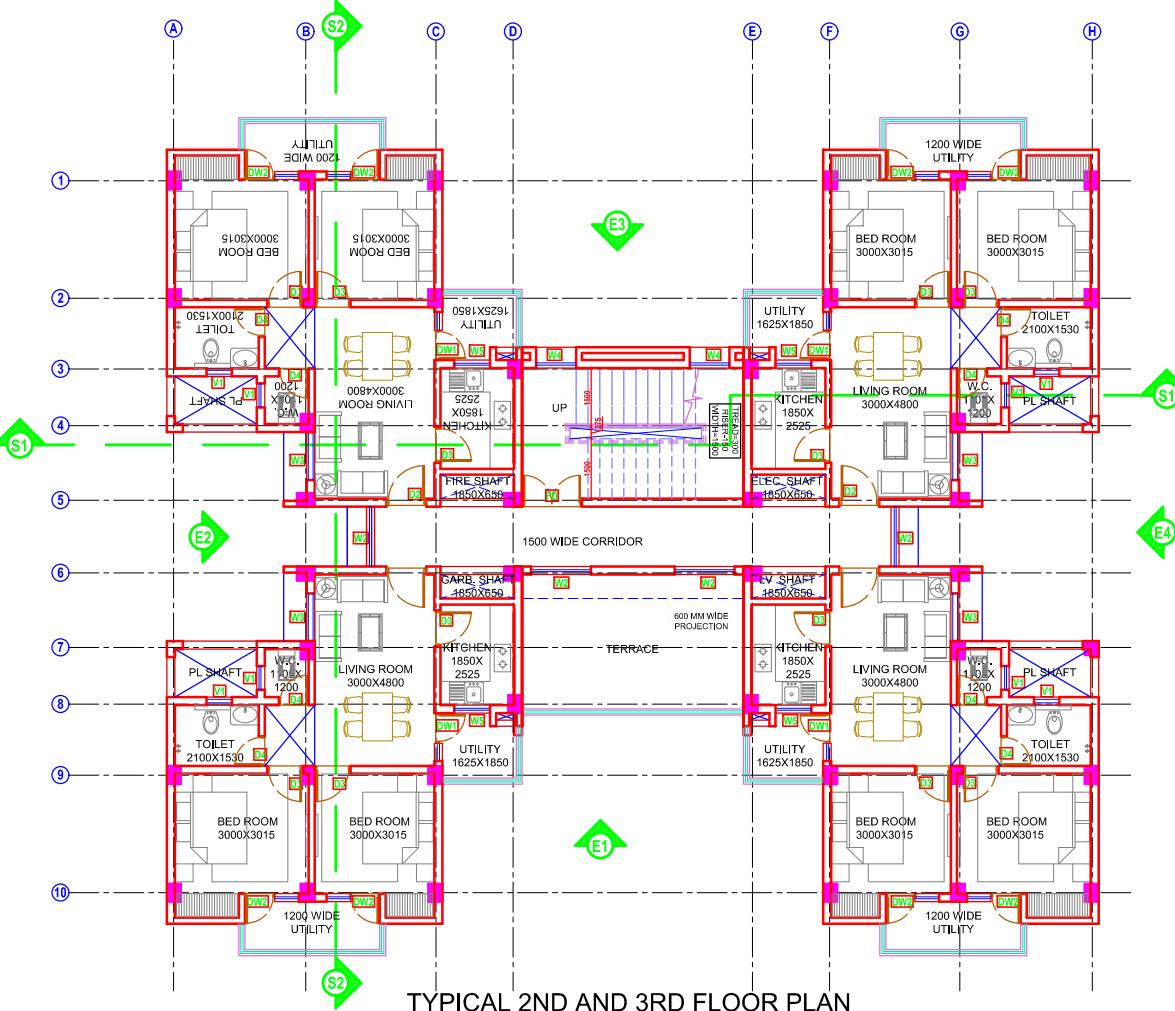
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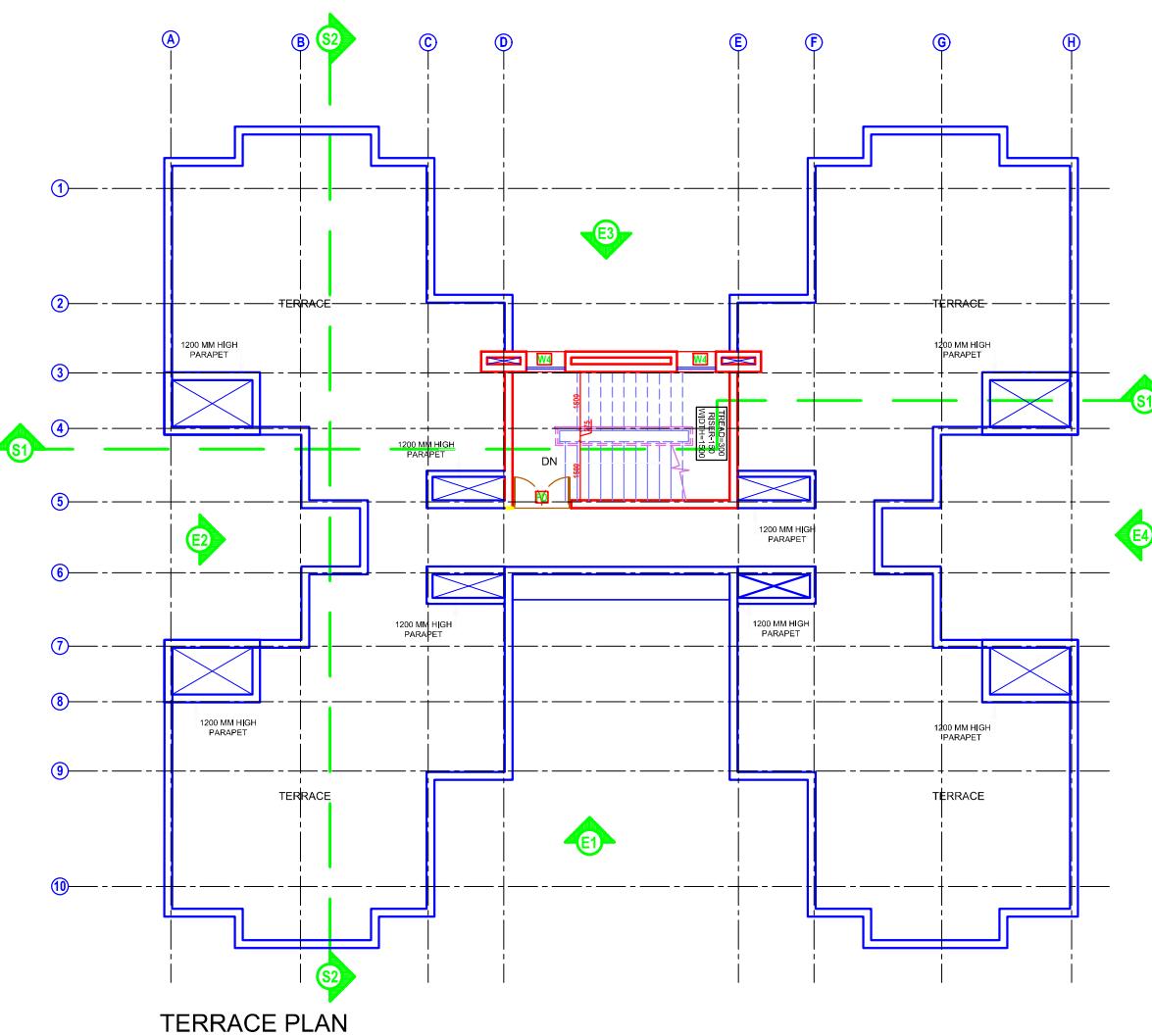
GROUND FLOOR PLAN



FIRST FLOOR PLAN



TYPICAL 2ND AND 3RD FLOOR PLAN



TERRACE PLAN

GOOD FOR CONSTRUCTION

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3	FD	1500X2400	1500	-	-	2400	-
4	D1	1500X2400	1500	-	-	2400	-
5	D2	1000X2400	1000	-	-	2400	-
6	D3	900X2400	900	-	-	2400	-
7	D4	750X2100	750	-	-	2100	-
8	W1	1800X1500	-	1800	900	-	2400
9	W2	1500X1500	-	1500	900	-	2400
10	W3	1200X1500	-	1200	900	-	2400
11	W4	1000X1500	-	1000	900	-	2400
12	W5	900X1350	-	900	1050	-	2400
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Revision Notes -

Rev Purpose of Issue Date Authorized

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PROPOSED DISTRICT JAILCOMPLEX) AT MAHOBIA, UTTAR PRADESH.

BUILDING - TYPE-2 RESIDENCE (G+3)

DRG. TITLE - ELEVATIONS AND SECTIONS

NORTH -	SCALE -	DATE -	REV -
		APRIL '23	R0

DRG NO. - AED/DJ/MHB/TYP2/AR/

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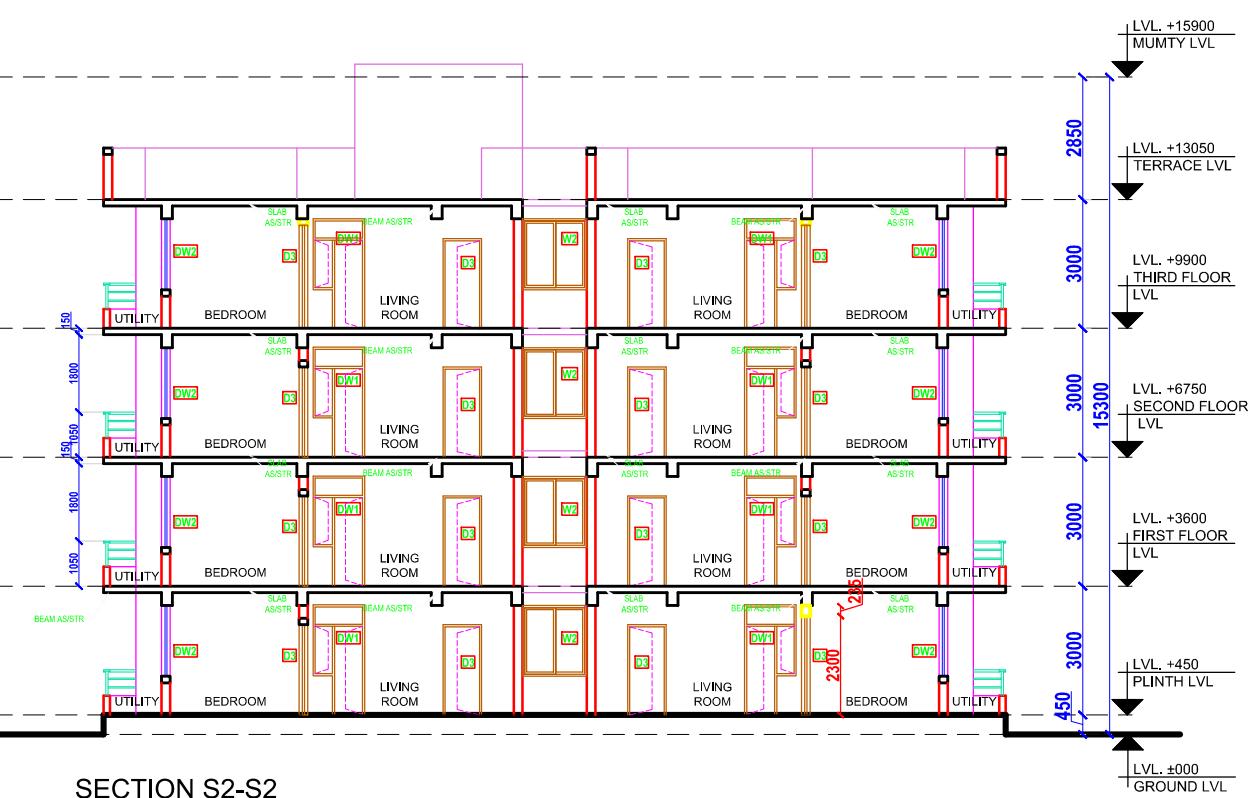
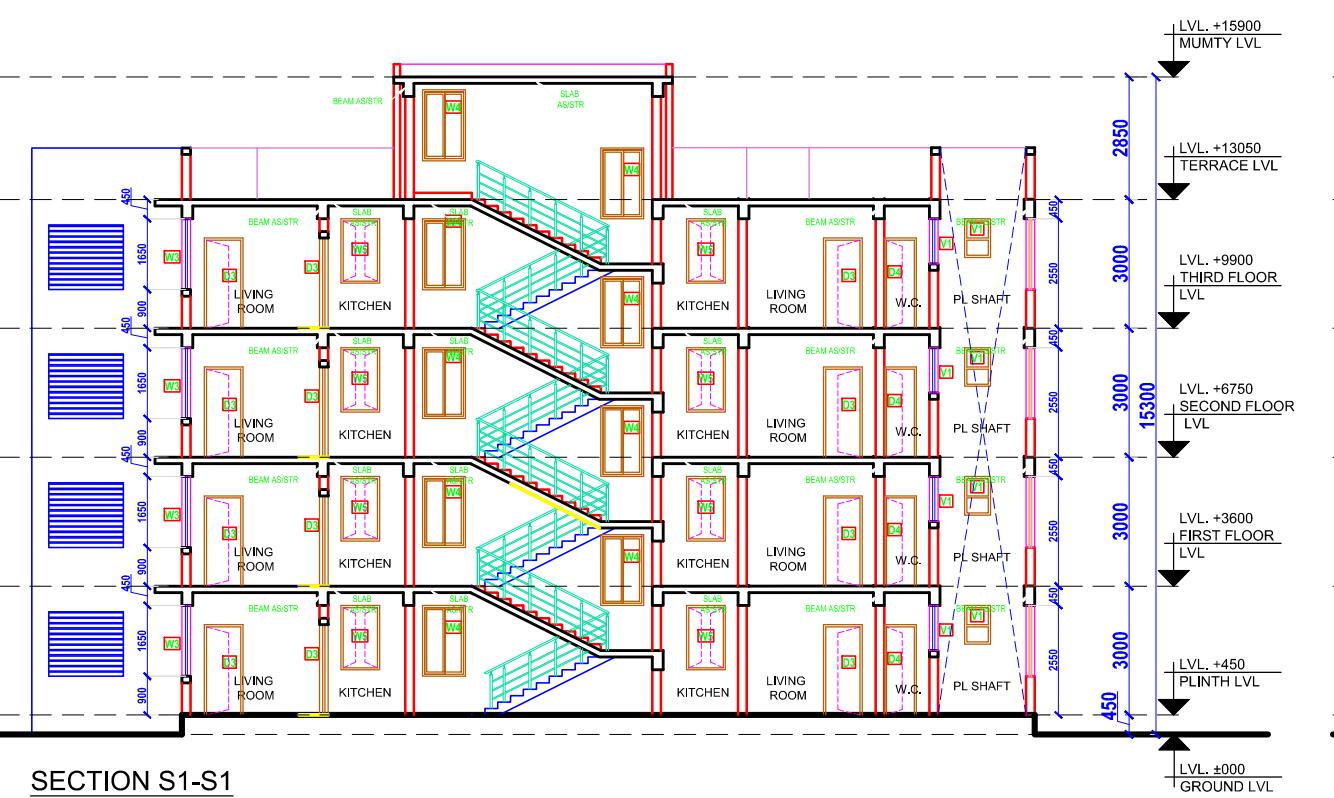
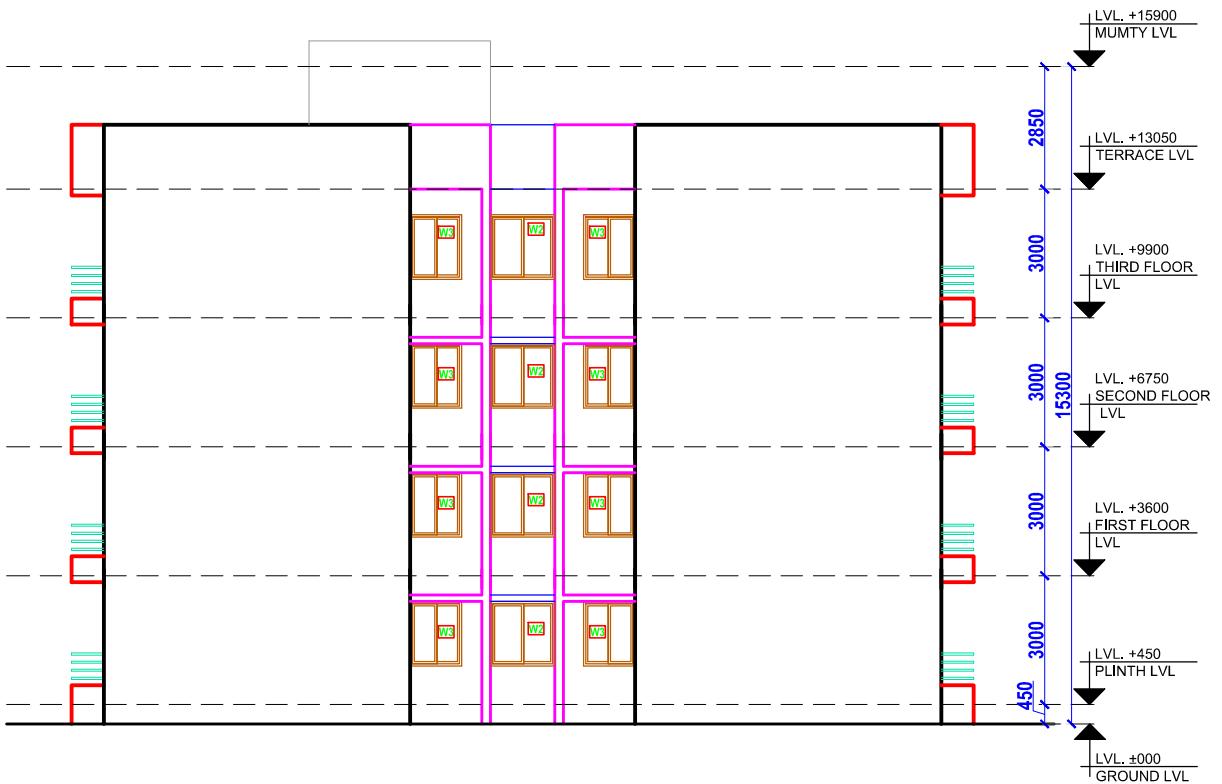
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138, Vibh Khand, Gomtinagar, Lucknow



S.NO.	BUILDING & SPACE	FLOOR	SKIRTING/DADO	SCHEDULE OF FINISHES			
				WALLS	CEILING	DOOR	WINDOW
				INNER WALL	OUTER WALL		
42	TYPE-II						
a	ENTRANCE LOBBY		25 MM THK KOTA STONE	100 MM HIGH KOTA STONE SKIRTING	PLASTIC EMULSION PAINT	SURFACE TEXTURE FINISH AS PER APPROVED DESIGN, SHADE AND TECHNICAL SPECS.	PLASTIC EMULSION PAINT
b	VERANDAH, CORRIDOR		25 MM THK KOTA STONE	100 MM HIGH KOTA STONE SKIRTING	PLASTIC EMULSION PAINT	SURFACE TEXTURE FINISH AS PER APPROVED DESIGN, SHADE AND TECHNICAL SPECS.	PLASTIC EMULSION PAINT
c	BALCONY		600X600 UNGLAZED DOUBLE CHARGED MATT VITRIFIED TILES	100 MM HIGH ULTRA SLIM VITRIFIED TILES SKIRTING	PLASTIC EMULSION PAINT	SURFACE TEXTURE FINISH AS PER APPROVED DESIGN, SHADE AND TECHNICAL SPECS.	PLASTIC EMULSION PAINT
d	LIVING ROOM, BEDROOMS		600X600 UNGLAZED DOUBLE CHARGED VITRIFIED TILES	100 MM HIGH ULTRA SLIM VITRIFIED TILES SKIRTING	PLASTIC EMULSION PAINT	SURFACE TEXTURE FINISH AS PER APPROVED DESIGN, SHADE AND TECHNICAL SPECS.	PLASTIC EMULSION PAINT
e	WARDROBES		BUILT IN CUPBOARD UPTO CEILING HEIGHT 65MM WIDE WITH 18MM THICK PRE LAMINATED HMR MDF AS SHELVES AND 18MM THICK HMR MDF E1 GRADE PVC MEMBRANE FINISH AS SHUTTER SPACEWOOD MAKE AUTO SOFT CLOSING HINGES WITH SS 304 FINISH BAR HANDLE OF 180CD				
f	TOILET		600X600 ANTI SKID CERAMIC TILES	2400 MM HIGH 300X600 GLAZED DOUBLE CHARGED VITRIFIED TILES	OIL BOUND DISTEMPER WITH 2 COATS OF WALL PUTTY	SURFACE TEXTURE FINISH AS PER APPROVED DESIGN, SHADE AND TECHNICAL SPECS.	OIL BOUND DISTEMPER WITH 2 COATS OF WALL PUTTY
g	KITCHEN		600X600 MATT UNGLAZED DOUBLE CHARGED POLISHED VITRIFIED TILES	2400 HIGH ULTRASLIM 800X800 VITRIFIED TILE	OIL BOUND DISTEMPER WITH 2 COATS OF WALL PUTTY	SURFACE TEXTURE FINISH AS PER APPROVED DESIGN, SHADE AND TECHNICAL SPECS.	OIL BOUND DISTEMPER WITH 2 COATS OF WALL PUTTY
h	KITCHEN CABINETS		STAINLESS STEEL AISI 304(18) KITCHEN SINK AS PER IS 13983 WITH DRAIN BOARD. PROVIDING AND FIXING OF BUILT IN CUPBOARD WITHOUT ANY SHELVES WITH 18MM HMR MDF E1 GRADE PVC MEMBRANE FINISH SHUTTER BELOW COOKING PLATFORM AS PER ARCHITECTURAL DESIGN AND SPECIFICATIONS. ALL ENDS SHOULD HAVE EDGE BANDING TAPE OF 0.8MM THICKNESS FOR CABINET BACK PANEL PRE LAMINATED 5MM HMR MDF. 25MM THICK AND MORE THAN 400MM WIDE PRE LAMINATED HMR MDF SHELVES IN TIRES UPTO 2.10 METER HEIGHT COVERED WITH HMR MDF E1 GRADE PVC MEMBRANE FINISH SHUTTER ALONG ON WALL AS PER ARCHITECTURAL DESIGN AND SPECIFICATION				
i							
j							
k	STAIRS		PRE POLISHED SINGLE PIECE 25 MM THK. KOTA STONE ON TREAD TILES	1200 HIGH ULTRASLIM 800X800 VITRIFIED TILES	PLASTIC EMULSION PAINT	SURFACE TEXTURE FINISH AS PER APPROVED DESIGN, SHADE AND TECHNICAL SPECS.	PLASTIC EMULSION PAINT
l	TERRACE		BRICK COAT TREATMENT				
m	RAILING		ALL RAILINGS ARE M.S. SECTION				
n	EXTERIOR PAINT/FINISHES		SURFACE TEXTURE FINISH AS PER APPROVED DESIGN, SHADE AND TECHNICAL SPECS.				

GROUND FLOOR AREA
=329.45 SQMT

FIRST FLOOR AREA
=313.25 SQMT

SECOND FLOOR AREA
=313.25 SQMT

THIRD FLOOR AREA
=313.25 SQMT

MUMTY AREA
=20.87 SQMT

TOTAL AREA
=1290.07 SQMT

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4	D1	1500X2400	1500	-	- 2400 -
5	D2	1000X2400	1000	-	- 2400 -
6	D3	900X2400	900	-	- 2400 -
7	D4	750X2100	750	-	- 2100 -
8	W1	1800X1500	-	1800 900	- 2400 -
9	W2	1500X1500	-	1500 900	- 2400 -
10	W3	1200X1500	-	1200 900	- 2400 -
11	W4	1000X1500	-	1000 900	- 2400 -
12	W5	900X1350	-	900 1050	- 2400 -
13	V1	600X900	-	600 1500	- 2400 -

Revision Notes -

Rev Purpose of Issue Date Authorized

PROJECT -
PROPOSED DISTRICT JAILCOMPLEX) AT MAHOBIA, UTTAR PRADESH.

BUILDING - TYPE-2 RESIDENCE (G+3)

DRG. TITLE -
TERRACE PLAN & DOOR WINDOW SCHEDULE

NORTH -	SCALE -	DATE -	REV. -
		APRIL'23	R0

DRG NO. -
AED/DJ/MHB/TYP2/AR/

CLIENT -

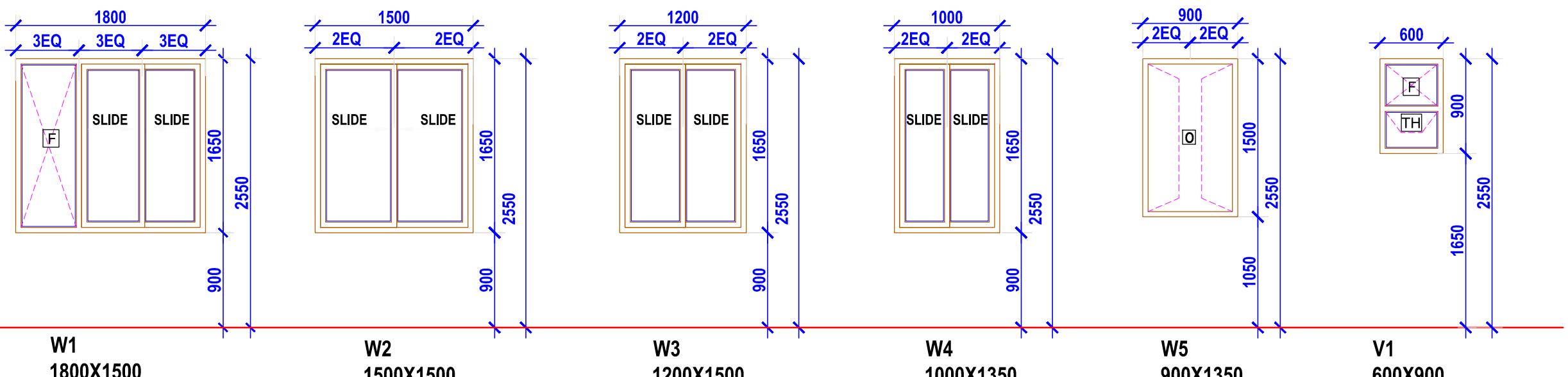
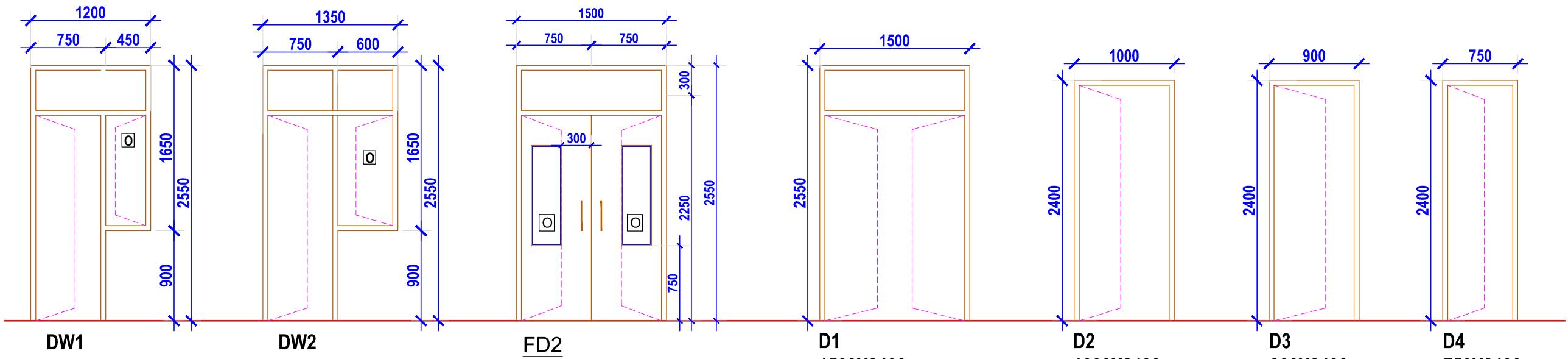
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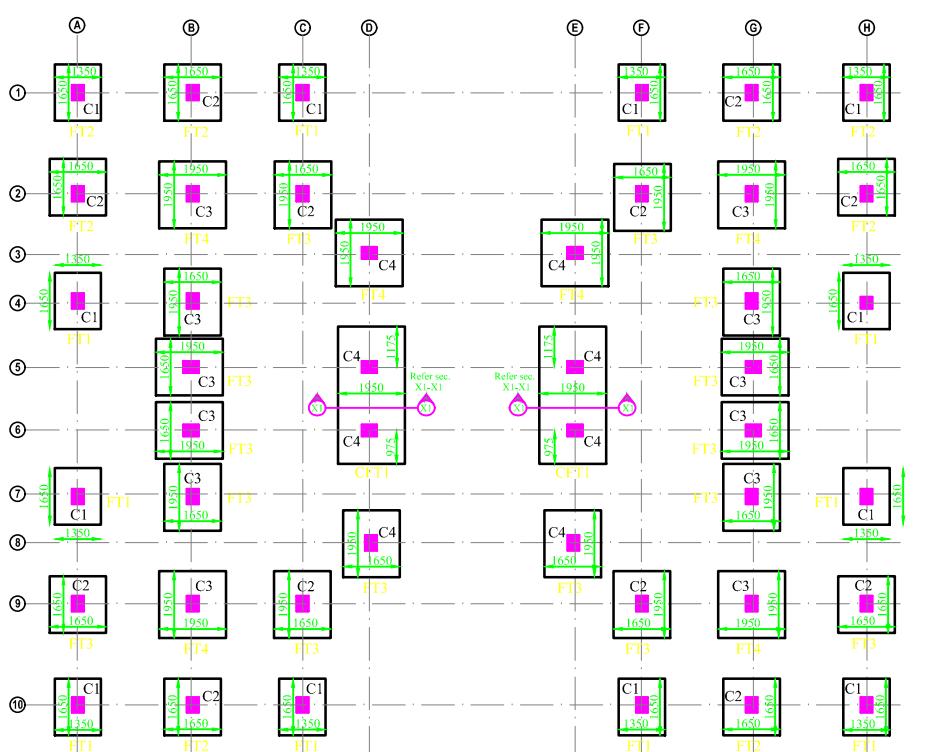
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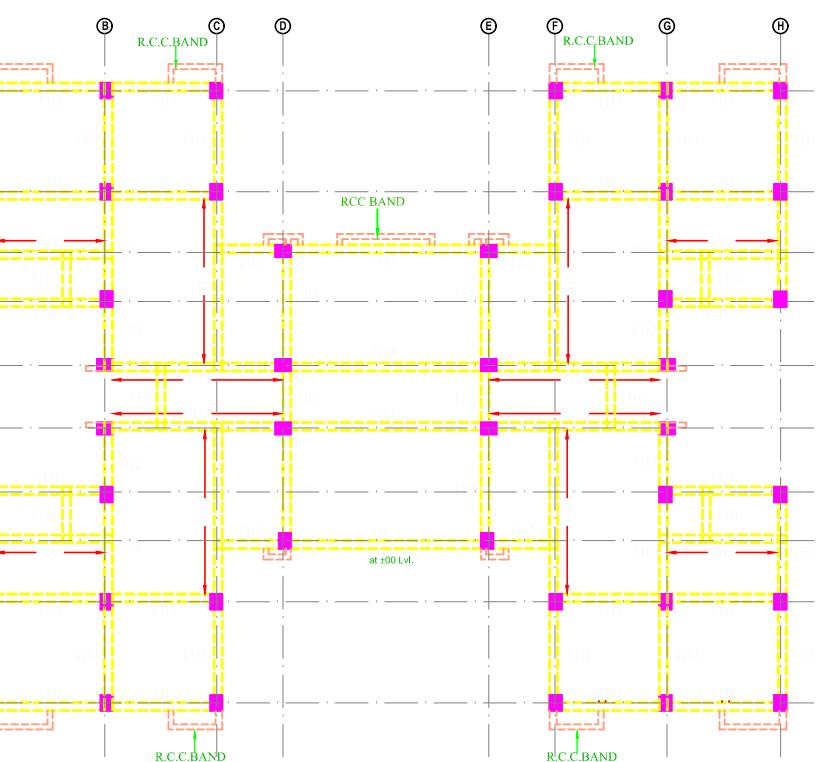
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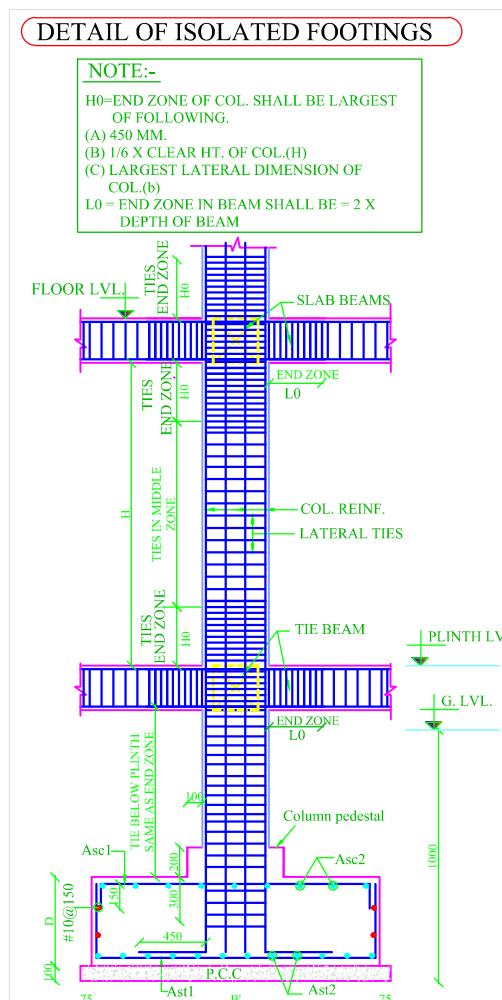




FOUNDATION PLAN
(Plan showing Footings & Column nos.)

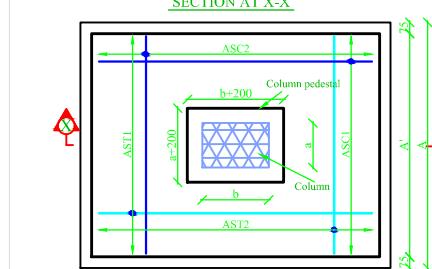
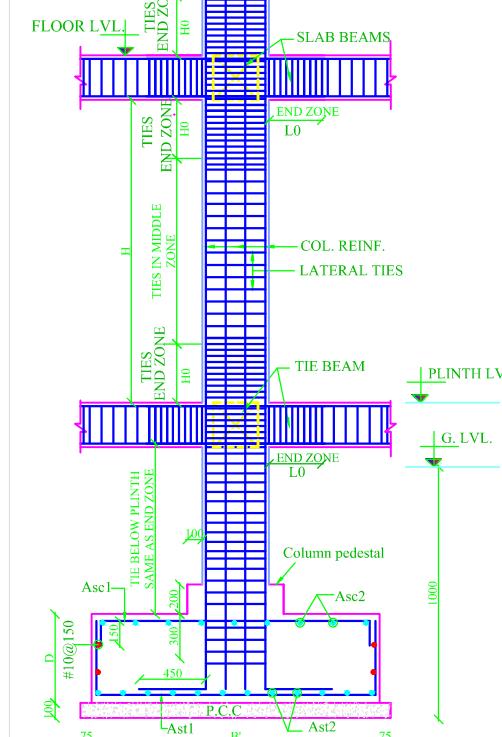


TIE BEAM FRAMING PLAN AT PLINTH LVL.
(Plan showing tie beam nos.)



NOTE:-

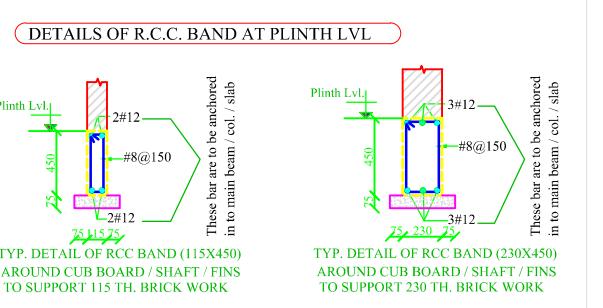
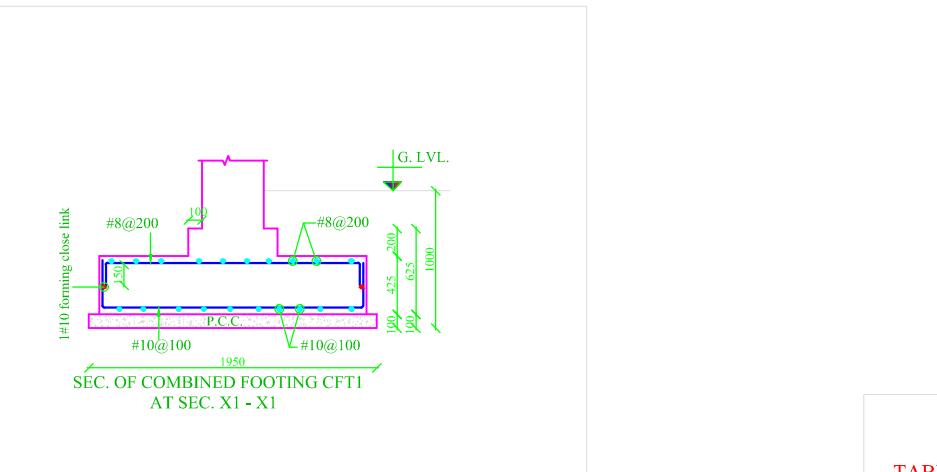
H=END ZONE OF COL. SHALL BE LARGEST OF FOLLOWING.
 (A) 450 MM.
 (B) 1/6 X CLEAR HT. OF COL.(H)
 (C) LARGEST LATERAL DIMENSION OF COL.(b)
 L0=END ZONE IN BEAM SHALL BE = 2 X DEPTH OF BEAM



PLAN OF TYPICAL ISOLATED FOOTING(AXB)
(FOR DETAILS REFER TABLE(1))

TABLE-1, DETAIL OF ISOLATED FOOTINGS

S. NO.	FOOTING NO.	P.C.C. SIZE (A X B) (mmxmm)	FOOTING SIZE (A X B) (mmxmm)	FOOTING BOTTOM FACE REINF.	FOOTING TOP FACE REINF.	D [mm] [THICKNESS OF FOOTING]		
				Ast1	Ast2	Asc1	Asc2	
1	FT1	1350X1650	1200X1500	#10@150	#10@150	#8@250	#8@250	325
2	FT2	1650X1650	1500X1500	#10@125	#10@125	#8@225	#8@225	350
3	FT3	1650X1950	1500X1800	#10@100	#10@100	#8@200	#8@200	400
4	FT4	1950X1950	1800X1800	#10@100	#10@100	#8@200	#8@200	425



Note :- at the junction of two diff. number of beams the heighter reinforcement at the support shall be adopted.

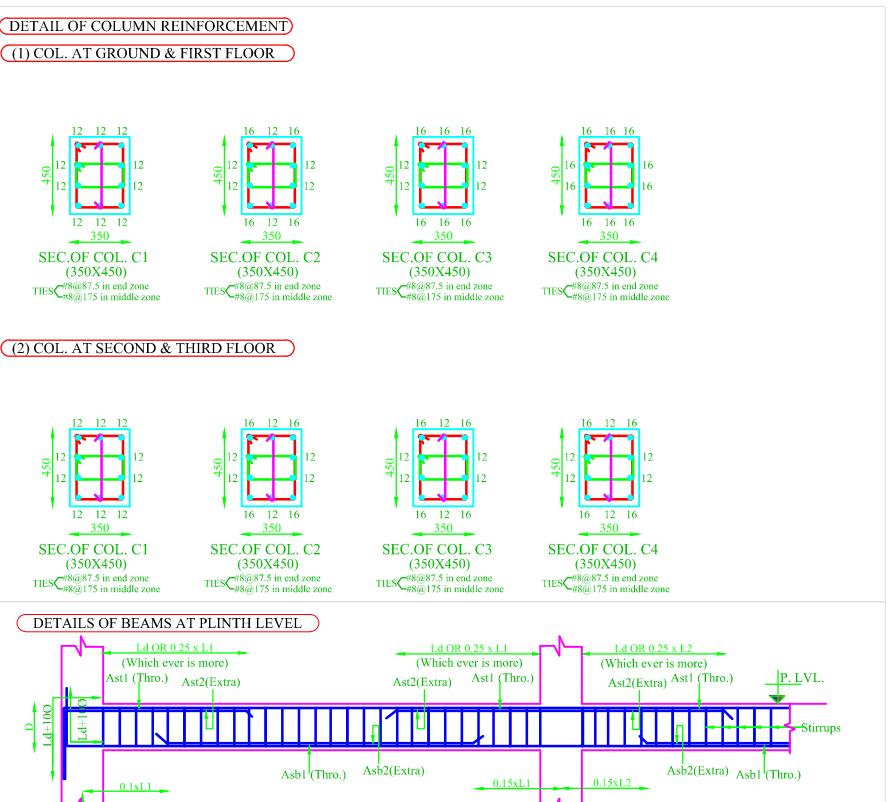


TABLE-2, DETAIL OF TIE BEAMS

Notes:-
[General]
 [1] All dimensions are in mm, unless otherwise mentioned.
 [2] Only figured dimensions are to be followed neither the bars shall be counted nor the dimensions varied from the fig.
 [3] Any discrepancy in the drawing shall be brought to the notice of the architect / consultant and clarification obtained in writing prior to execution of work.
 [4] High yield strength deformed bars of yield stress 500 n/mm² (fe-500) which shall conform to IS 1786-1985 shall be used as reinforcement.
 [5] Clear cover of main rein. shall be as follows. (a) Footing = 50 mm (b) Column=40mm
 (c) Beam = 25 mm (top & bottom) or dia of bar whichever is more (d) slab = 20 mm
 (e) End side cover of all reinforcement in beams & slab = 25 mm or dia of bar whichever is more
 [6] The over lap of bars shall be 150% of the diameter of the bar.
 [7] The cover block of cement mortar shall be used to ensure the reqd. cover of reinforcement.
 [8] Development length (Ld) for different dia meter of bars for conc. mix of grade M-25 shall be 49 x dia of bar.
 [9] Concrete mix for r.c.c. work shall be of grade M-25 conforming to IS 456-2000.
 [10] Necessary fixture for electrical, plumbing etc. shall be provided in slab, beams before execution as per relevant drgs.
 [11] The structure has been designed for seismic zone - II.
 [12] The structure has been designed for Ground G+3= 4 storey.
 [13] P.C.C (1:4:8) shall be provided.
 [14] All plain concrete & rcc shall be strictly in accordance with the provision of IS - 456:2000.
 [15] Cutting,bending,fixing & placing of bars shall be in accordance with IS - 2502:1968, IS - 5525:1969 & IS - 456:2000.

[Foundation]
 [1] The layout of building shall be given from the arch. drgs.
 [2] The design data for Foundation has been taken from soil test report (SBC = 23.0 t/sqm at 1.00 m depth)
 [3] Earth below foundation shall be properly rammed & consolidated before laying lean concrete.

[Columns]
 [1] Ties in portion of col. & beam junction shall be same as end zone.
 [2] The spacing of stirrups at overlaps should not exceed 100 mm. c/c
 [3] Over laps are allowed only at middle zone of the columns.
 [4] Not more than 50 % of bars shall be lapped at a section and laps shall be staggered.
 [5] Ties in portion of col. below tie beam shall be same as end zone.
 [6] Vertical bars of rec column at top slab shall be extended upto top of beam & bent into beam by development length.

[Beams]
 [1] For location of beams refer slab plan.
 [2] The spacing of stirrups at overlaps should not exceed 100 mm. c/c
 [3] Where two layers of rein. bars are to be provided, spacer bar are to be provided at spacing of 1000 mm. max. and the dia of the spacer bar shall be higher than dia of longitudinal bars or 25 mm.
 [4] max. 3 nos. of bars shall be provided in a layer of 250 mm wide beam.
 [5] At the junction of two diff. number of beams the higher rein. at the support shall be adopted.
 [6] Over lap in top bars shall be near mid span & in bottom bars shall be near support or at support.
 [7] The depth of beam monolithic with slab as specified in schedule shall be inclusive of slab thickness unless otherwise specified.
 [8] Hooks in stirrups of beams shall be bent inside at 135° & length of hooks shall be 10 x dia of bar of stirrups.

[Slabs]
 [1] For slab reinforcement refer table-4 (detail of slab reinforcement).
 [2] Extra bars shall be provided at top face as shown in typ. section of slab.
 [3] The cross rein. temp. rein. below top rein of slab i.e. #8@300/c is to be provided just below the main top steel as shown in typ. sec.of slab.
 [4] The first main bar of slab shall be placed at 80 mm. or half the spacing specified whichever is less from the face of support.

[Masonry work]
 [1] All walls shall be AAC block walls.

Revision Notes -

Rev	Purpose of Issue	Date	Authorized

PROJECT -
PROPOSED DISTRICT JAIL AT MAHOBIA, UTTAR PRADESH.

BUILDING -
TYPE-II RESIDENCE (G+3)

DRG. TITLE -
DETAIL OF FOUNDATION & COLUMNS
TIE BEAM AT PLINTH LVL.

NORTH - NTS **SCALE -** NTS **DATE -** JUNE 23 **REV.-** R0

DRG NO. - MATRIX/DJ/MHB/TYPE-II/STR/ ST-01

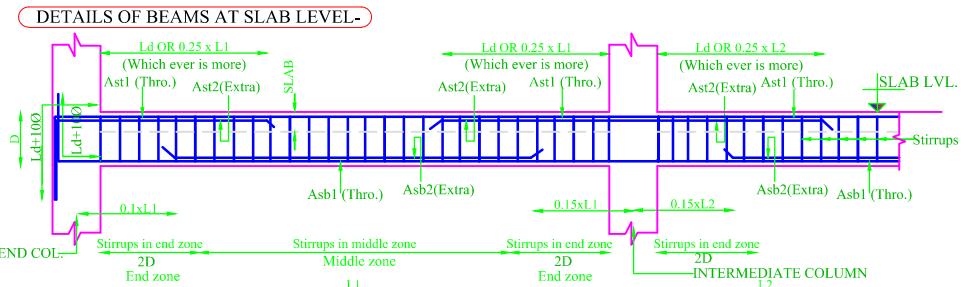
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TYP. REINFORCEMENT DETAILS IN THE BEAMS SPANNING BETWEEN SUPPORT TO SUPPORT
FOR DETAILS REFER TABLE [3] BELOW

Note :- at the junction of two diff. number of beams the higher reinforcement at the support shall be adopted.

TABLE -3, DETAILS OF BEAMS AT SLAB LVL

SR. NO.	BEAM NO.	BEAM SIZE	LONGITUDINAL REINFORCEMENT		STIRRUPS		SIDE FACE REINF. (ON EACH SIDE FACE)
			W mm	D mm	Ast1 (Thro. at Top)	Ast2 (Extra at support)	
1	B1	230 300	#2@160	-	2#160	-	#8@150/c/e
2	B2	230 425	#2@160	#1@60	2#160	1#120	#8@100/c/e
3	B3	230 425	#3@160	-	3#160	-	#8@200/c/e
4	B4	230 300	#2@160	-	2#160	-	#8@100/c/e
5	B5	230 425	#2@160	-	2#160	-	#8@100/c/e
6	B6	230 425	#3@160	2#160	3#160	2#120	#8@100/c/e
7	B7	230 425	#2@160	-	2#160	-	#8@100/c/e
8	B8	230 425	#3@160	2#160	3#160	2#160	#8@100/c/e
9	B9	230 425	#2@120	-	2#120	-	#8@100/c/e
10	B10	230 425	#2@160	#1@60	2#160	1#120	#8@100/c/e
11	B11	230 425	#2@160	#1@60	2#160	1#120	#8@100/c/e
12	B12	230 425	#2@160	2#160	2#160	1#160	#8@100/c/e
13	B13	230 425	#2@160	-	2#160	-	#8@100/c/e
14	B14	230 425	#2@160	#1@60	2#160	1#120	#8@100/c/e
15	B15	230 425	#2@160	3#160	3#160	2#120	#8@100/c/e

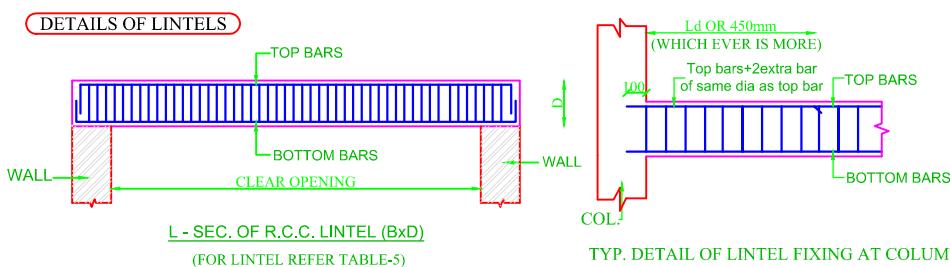
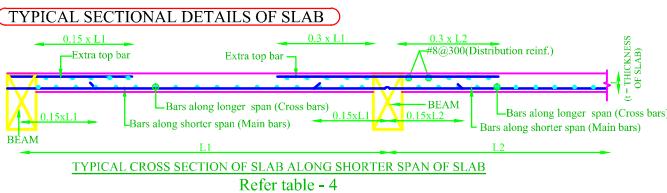
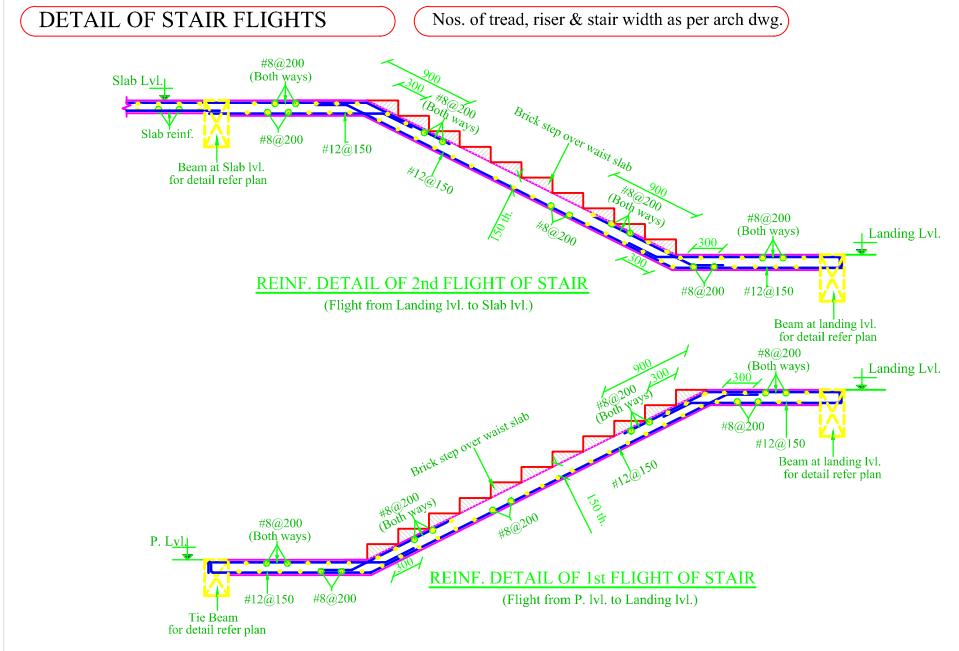
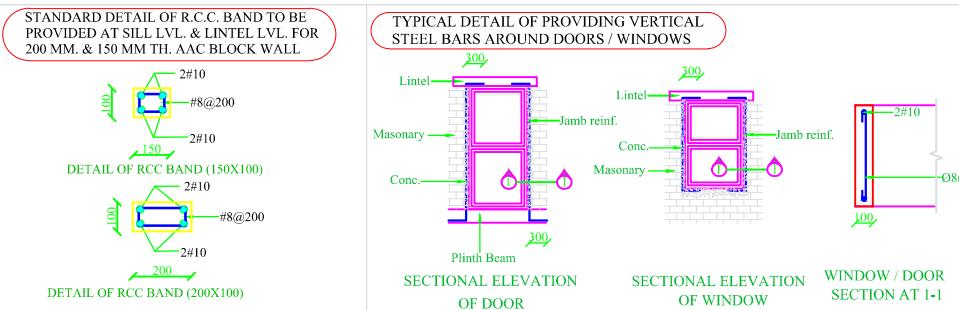


TABLE-5, DETAIL OF LINTELS FOR DOOR / WINDOW OPENING

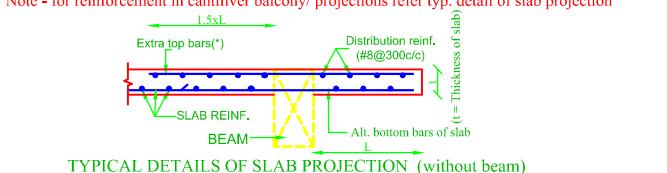
S.N.	DOOR/ WINDOW OPENING (L)	Lintel Cross Section (B x D)	FOR 200 TH WALL		FOR 150 TH WALL		Stirrups '2U' STPS
			BOTTAM BARS	TOP BARS	BOTTAM BARS	TOP BARS	
1	>750≤1000	200 X100	2 # 10	2 # 8	#8@175	>750≤1000	150 X100
2	>1000≤1500	200 X100	3 # 10	2 # 8	#8@175	>1000≤1500	150 X100
3	>1500≤2000	200 X200	2 # 12+1#10	2 # 8	#8@150	>1500≤2000	150 X200
4	>2000≤2500	200 X200	2 # 12+2#10	2 # 8	#8@125	>2000≤2500	150 X200



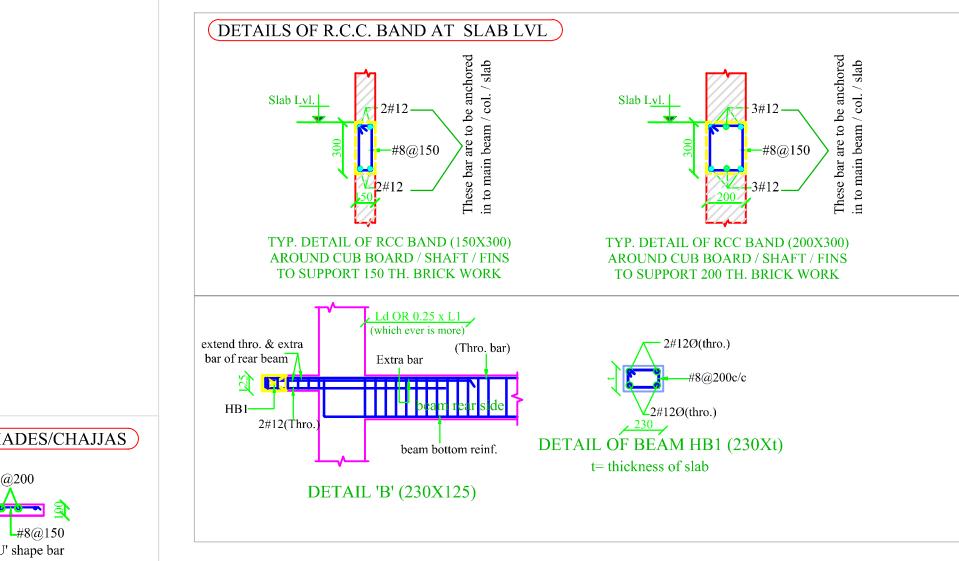
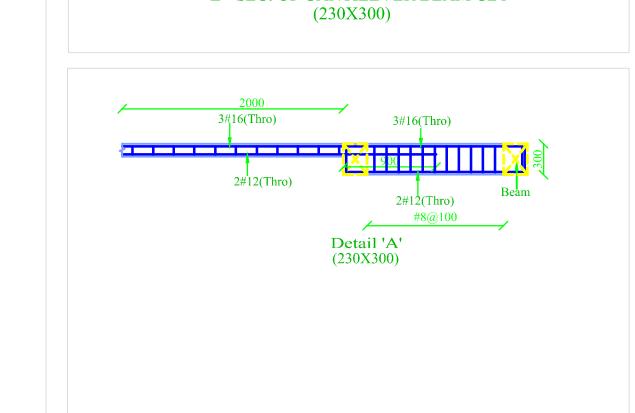
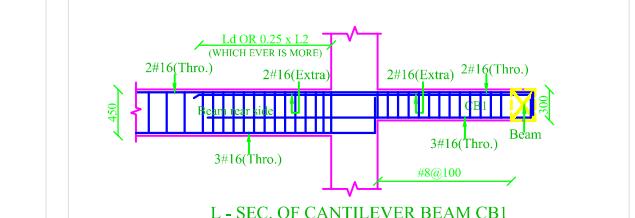
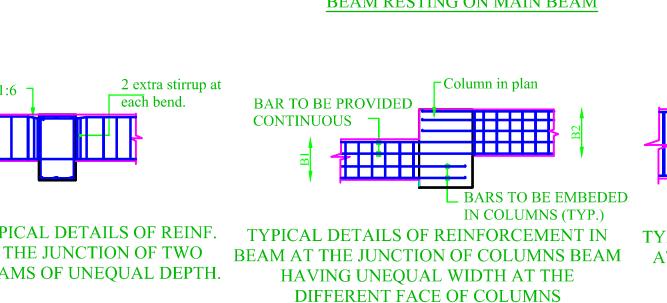
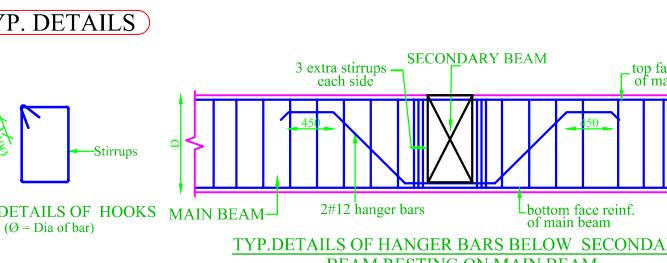
Refer table - 4

Sr. No.	Slab No.	Slab Depth (mm)	REINFORCEMENT			
			Parallel to Shorter Span (Main bars)	At Bottom face (Mid Span)	At Top face (Extra bars at support)	At Bottom face (Mid Span)
1	S1	125	#8@200/c	#8@200/c	#8@200/c	#8@200/c
2	S2	125	#8@175/c	#8@175/c	#8@200/c	#8@200/c
3	S3	125	#8@175/c	#8@175/c	#8@175/c	#8@175/c
4	S4	125	#8@150/c	#8@150/c	#8@175/c	#8@175/c

Note :- for reinforcement in cantilever balcony/ projections refer typ. detail of slab projection



NOTE :- IF BALCONY SLAB PROJECTIONS [L]
(1) If balcony slab projections [L] = 600 - 750 mm, Extra top bars (*) #8@ Bars @ 150 c/c
(2) If balcony/slab projections [L] = 900 - 1050 mm, Extra top bars(*) #8@ Bars @ 125 c/c



Notes:-
[General]
[1] All dimensions are in mm, unless otherwise mentioned.
[2] Only figured dimensions are to be followed neither the bars shall be counted nor the dimensions varied from the fig.
[3] Any discrepancy in the drawings shall be brought to the notice of the architect / consultant and clarification obtained in writing prior to execution of work.
[4] High yield strength deformed bars of yield stress 500 n/mm² (fe-500) which shall conform to IS 1786-1985 shall be used as reinforcement.
[5] Clear cover of main reinforcement shall be as follows. (a) Footing = 50 mm (b) Column=40mm
(c) Beam = 25 mm. (top & bottom) or dia of bar whichever is more (d) Slab = 20 mm
(e) waist slab = 25 mm.
[6] Ends side of all reinforcement in beams & slab = 25 mm & dia of bar whichever is more
[7] The cover block of cement mortar shall be used to ensure the reqd. cover of reinforcement
[8] Development length (Ld) for different dia of bars for conc. mix of grade M - 25 shall be = 9x dia of bar.
[9] Concrete mix for r.c.c. work shall be of grade M - 25 conforming to IS. 456 - 2000.
[10] Necessary fixture for electrical, plumbing etc. shall be provided in slab, beams before execution as per relevant drgs.
[11] The structure has been designed for seismic zone - II
[12] The structure has been designed for Ground G+3= 4 storey
[13] P.C.C (1:4:8) shall be provided.
[14] All plain concrete & ree shall be strictly in accordance with the provision of IS - 456:2000.
[15] Cutting,bending,fixing & placing of bars shall be in accordance with IS - 2502:1968,
IS - 5525:1969 & IS - 456:2000

[Foundation]

[1] The layout of building shall be given from the arch. drgs.

[2] The design data for Foundation has been taken from soil test report (SBC = 23.0 t/sqm at 1.00 m depth)

[3] Earth below foundation shall be properly rammed & consolidated before laying lean concrete.

[Columns]

[1] Ties in portion of col. & beam junction shall be same as end zone.

[2] The spacing of stirrups at overlaps should not exceed 100 mm. c/c

[3] Over laps are allowed only at middle zone of the columns.

[4] Not more than 50 % of bars shall be lapped at a section and laps shall be staggered.

[5] Ties in portion of col. below beam shall be same as end zone .

[6] Vertical bars of rec column at top slab shall be extended upto top of beam & bent into beam by development length.

[Beams]

[1] For location of beams refer slab plan.

[2] The spacing of stirrups at overlaps should not exceed 100 mm. c/c

[3] Where two layers of reinf. bars are to be provided, spacer bar are to be provided at spacing of 1000 mm. max. and the dia of the spacer bar shall be higher than dia of longitudinal bars or 25 mm.

[4] max. 3 nos. of bars shall be provided in a layer of 250 mm wide beam.

[5] At the junction of two diff. number of beams the higher reinf. at the support shall be adopted.

[6] Over lap in top bars shall be near mid span & in bottom bars shall be near support or at support.

[7] The depth of beam monolithic with slab as specified in schedule shall be inclusive of slab thickness unless otherwise specified.

[8] Hooks in stirrups of beams shall be bent inside at 135° & length of hooks shall be 10 x dia of bar of stirrups

[Slabs]

[1] For slab reinforcement refer table-4 (detail of slab reinforcement).

[2] Extra bars shall be provided at top face as shown in typ. section of slab.

[3] The cross reinf. temp. reinf. below top reinf of slab i.e.#8@300/c is to be provided just below the main top steel as shown in typ. sec. of slab.

[4] The first main bar of slab shall be placed at 80 mm. or half the spacing specified whichever is less from the face of support

[Masonry work]

[1] All walls shall be AAC block walls.

Revision Notes -

Rev	Purpose of Issue	Date	Authorized

PROJECT -
PROPOSED DISTRICT JAIL AT MAHOBIA, UTTAR PRADESH.

BUILDING -
TYPE-II RESIDENCE (G+3)

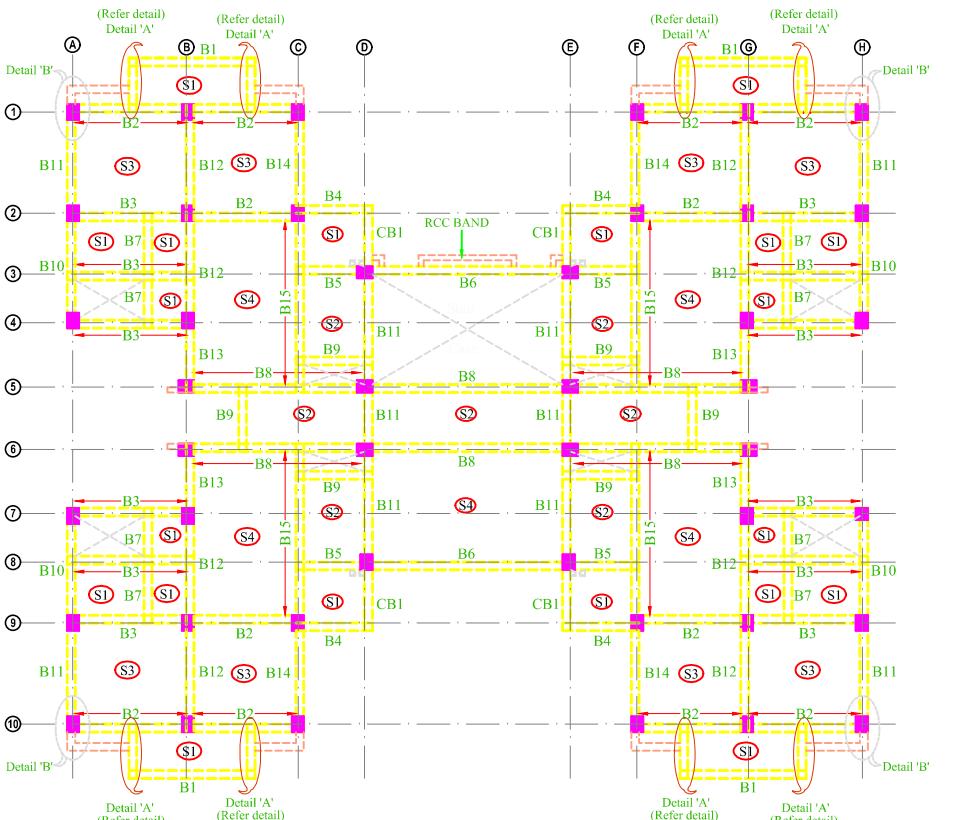
DRG. TITLE -
DETAIL OF REINF. OF BEAMS, LINTEL, SLAB & STAIR FLIGHTS

NORTH -	SCALE -	DATE -	REV.-
NTS		JUNE 23	R0

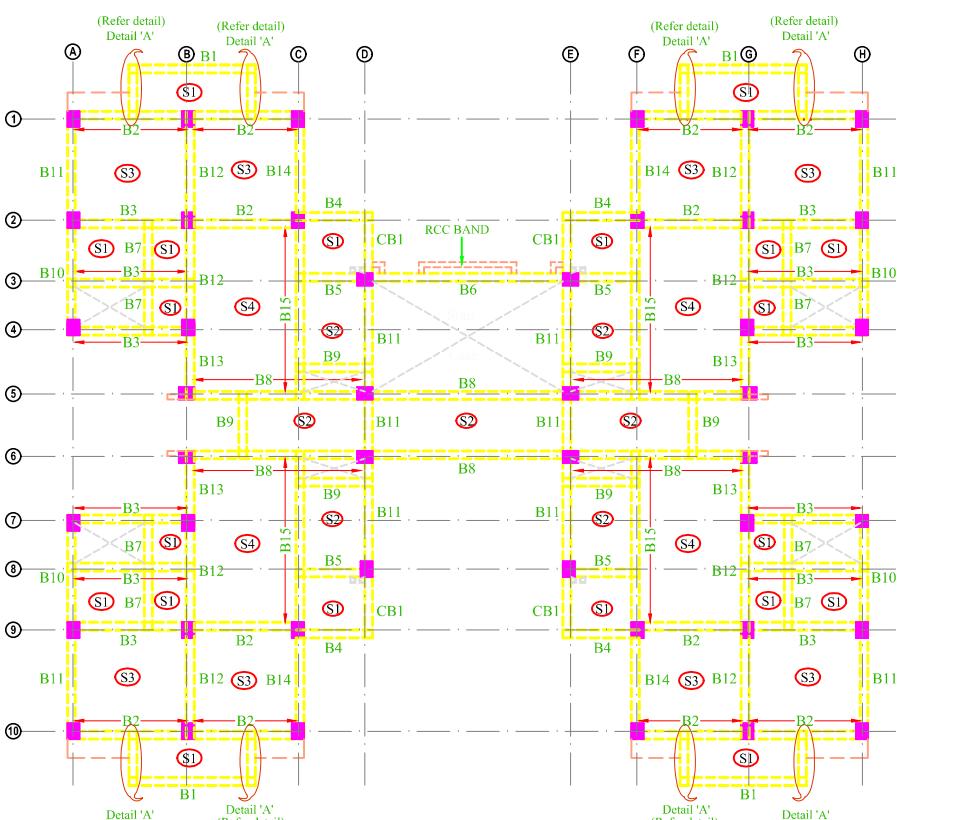
DRG NO. -

MATRIX/DJ/MHB/TYPE-II/STR/ ST-02

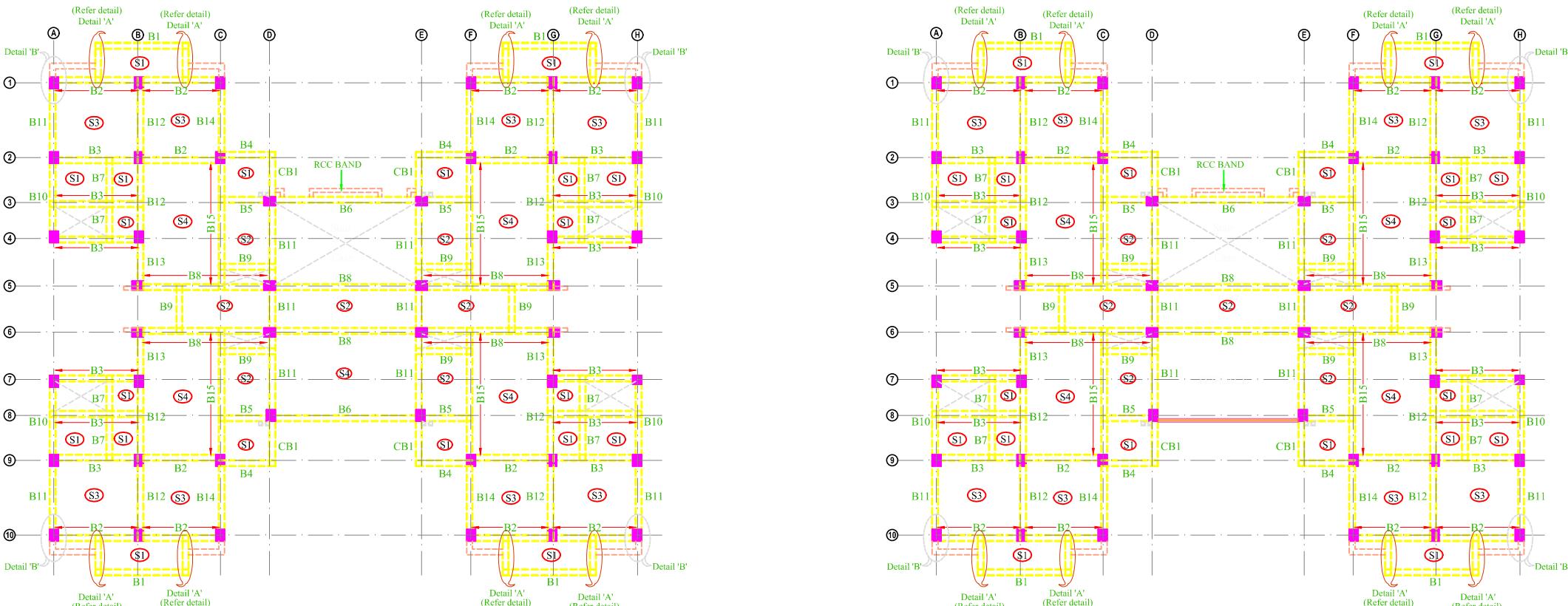
IMPLEMENTING AGENCY -
UTTAR PRADESH PUBLIC WORKS DEPARTMENT GOVT. OF UTTAR PRADESH



BEAM FRAMING PLAN
&
DETAIL OF SLAB AT GROUND FLOOR ROOF LVL.
(i.e. slab at first floor lvl.)



BEAM FRAMING PLAN
&
DETAIL OF SLAB AT THIRD FLOOR ROOF LVL.
(i.e. slab at terrace lvl.)



BEAM FRAMING PLAN
&
DETAIL OF TYPICAL FLOOR SLAB
(i.e. slab at second & third floor lvl. respectively)

Notes:-
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 [5] Clear cover of main reinfl. shall be as follows. (a) Footing = 50 mm (b) Column=40mm
 (c) Beam = 25 mm. (top & bottom) or dia of bar whichever is more (d) Slab = 20 mm
 (e) waist slab = 25 mm
 [6] Endsides cover of all reinforcement in beams & slab = 25 mm or dia of bar whichever is more
 [7] The cover block of cement mortar shall be used to ensure the reqd. cover of reinforcement
 [8] Development length (Ld) for different dia meter of bars for conc. mix of grade M - 25 shall be = 49 x dia of bar
 [9] Concrete mix for r.c.c. work shall be of grade M - 25 conforming to IS 456 - 2000.
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 [3] Earth below foundation shall be properly rammed & consolidated before laying lean concrete.

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 [2] The spacing of stirrups at overlaps should not exceed 100 mm. c/c
 [3] Over laps are allowed only at middle zone of the columns.
 [4] Not more than 50% of bars shall be lapped at a section and laps shall be staggered.
 [5] Ties in portion of col. below tie beam shall be same as end zone.
 [6] Vertical bars of rec column at top slab shall be extended upto top of beam & bent into beam by development length.

[Beams]
 [1] For location of beams refer slab plan.
 [2] The spacing of stirrups at overlaps should not exceed 100 mm. c/c
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 [4] max. 3 nos. of bars shall be provided in a layer of 250 mm wide beam.
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 [4] The first main bar of slab shall be placed at 80 mm. or half the spacing specified whichever is less from the face of support

[Masonry work]
 [1] All walls shall be AAC block walls.

Revision Notes -

Rev	Purpose of Issue	Date	Authorized
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PROJECT -
**PROPOSED DISTRICT JAIL AT MAHOBIA,
UTTAR PRADESH.**

BUILDING -
TYPE-II RESIDENCE (G+3)

DRG. TITLE -
**DETAIL OF GROUND, FIRST, SECOND &
THIRD FLOOR & MUMTY SLAB**

NORTH -	SCALE -	DATE -	REV.-
	NTS	JUNE 23	R0

DRG NO. -
MATRIX/DJ/MHB/TYPE-II/STR/ ST-03

IMPLEMENTING AGENCY -
**UTTAR PRADESH PUBLIC WORKS
DEPARTMENT GOVT. OF UTTAR PRADESH**



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