

MODEL MARKET 2



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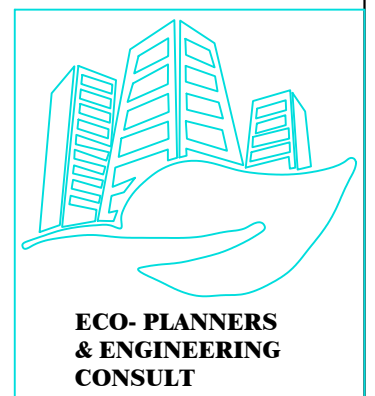
**MINISTRY OF LOCAL GOVERNMENT ,
CHIEFTAINCY & RELIGIOUS AFFAIRS**

PROJECT:

**PROPOSED 24-HOUR ECONOMY MARKET
&
COMMERCIAL CENTRE**



LOCATION :



BLOCK B

LOCKABLE SHOPS

STRUCTURAL DRAWINGS

PROPOSED 24-HOUR ECONOMY MARKET & COMMERCIAL CENTRE — MODEL MARKET 2

DRAWING SCHEDULE

Foundations · Beam & Column Arrangements · Slabs · Roof Carcass · Stairs & Ramps

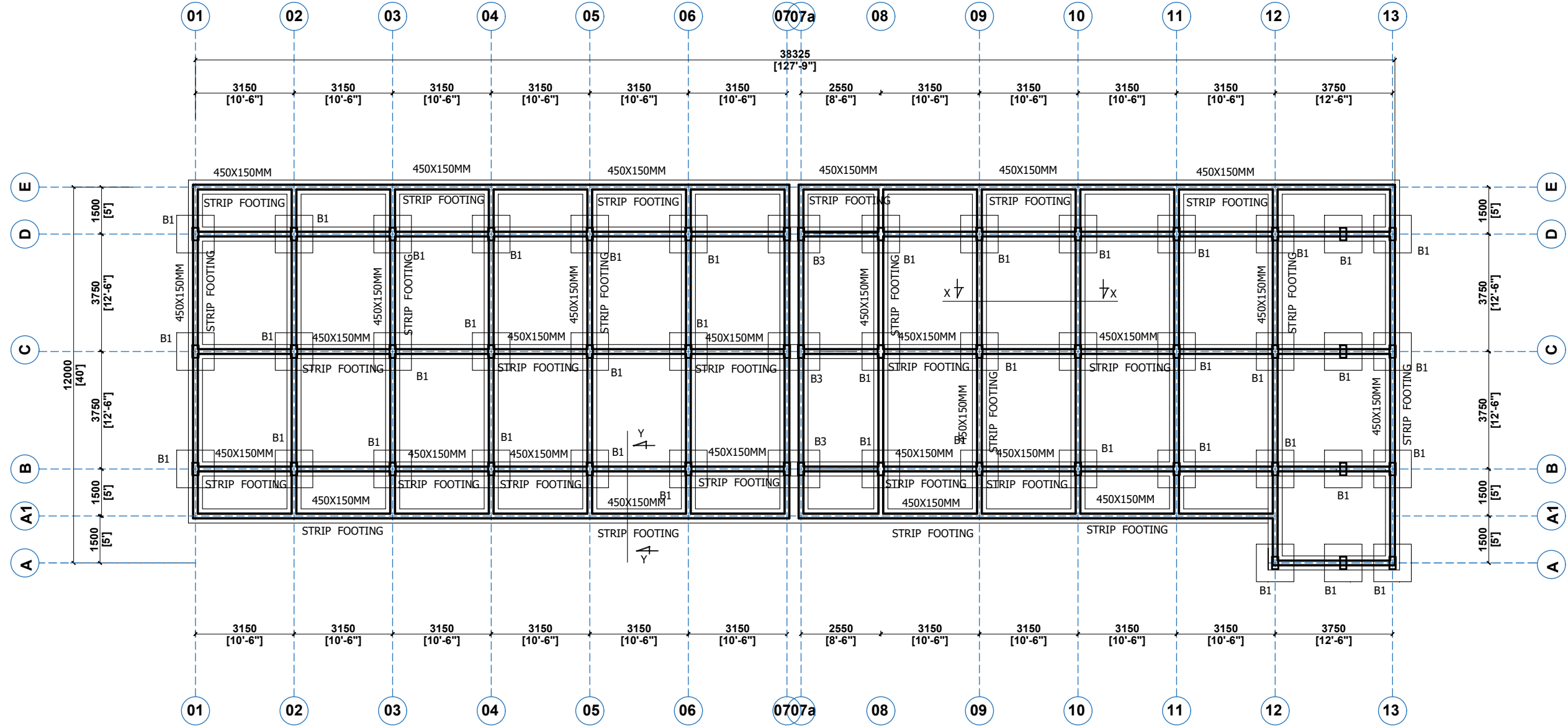
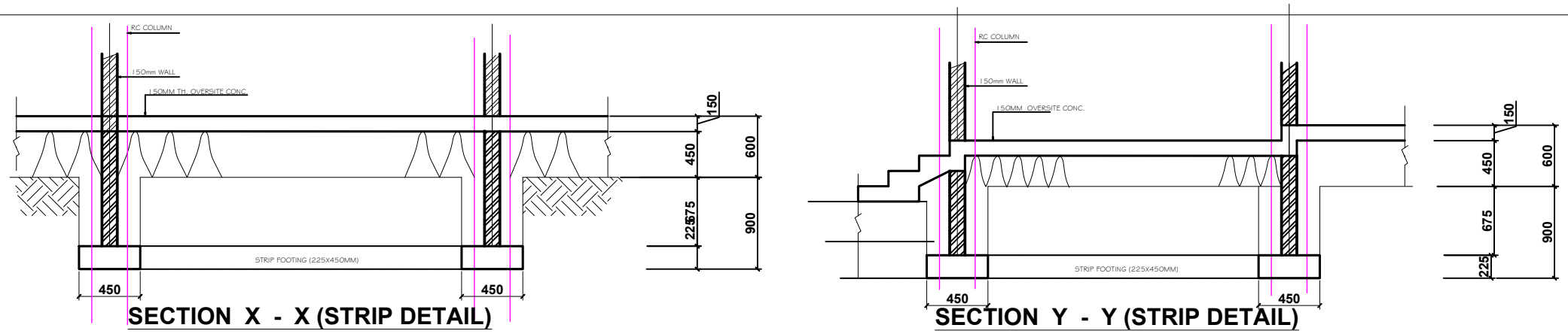
Client: Ministry of Local Government,
Chieftaincy & Religious Affairs

Eco-Planners & Engineering Consult

SHEET	DRAWING TITLE	PAGE IN ORIGINAL SET
1	Structural Drawings — Section Cover	p. 70
2	Block B (Section Cover)	p. 84
3	Foundation Plan — sheet labelled (Blk 'C') in original	p. 85
4	First Floor Beam & Column Arrangement (Blk 'B')	p. 86
5	Typical Roof Beam Detail (Blk 'B')	p. 87
6	First Floor Slab Detail (Blk 'B')	p. 88
7	First Floor Beam (Blk 'B')	p. 89
8	Roof Plan — Carcass Arrangement (Blk 'B')	p. 90
9	Column (1 of 2) — Bases & Bending Schedule	p. 91
10	Column (2 of 2)	p. 92
11	Stair Type 2	p. 93
12	Ramp Type 2 (1 of 2)	p. 94
13	Ramp Type 2 (2 of 2)	p. 95

STRUCTURAL DRAWINGS

BLOCK B



FOUNDATION PLAN



CLIENT:

DRAWING
TITLE:

DATE:

MINISTRY OF LOCAL GOVERNMENT ,
CHIEFTAINCY & RELIGIOUS AFFAIRS

FOUNDATION PLAN (BLK 'C')

OCTOBER, 2025

PROJECT : **PROPOSED 24-HOUR
ECONOMY MARKET
&
COMMERCIAL CENTRE**



NOTE : - DIRECT MEASUREMENT IS NOT ALLOWED
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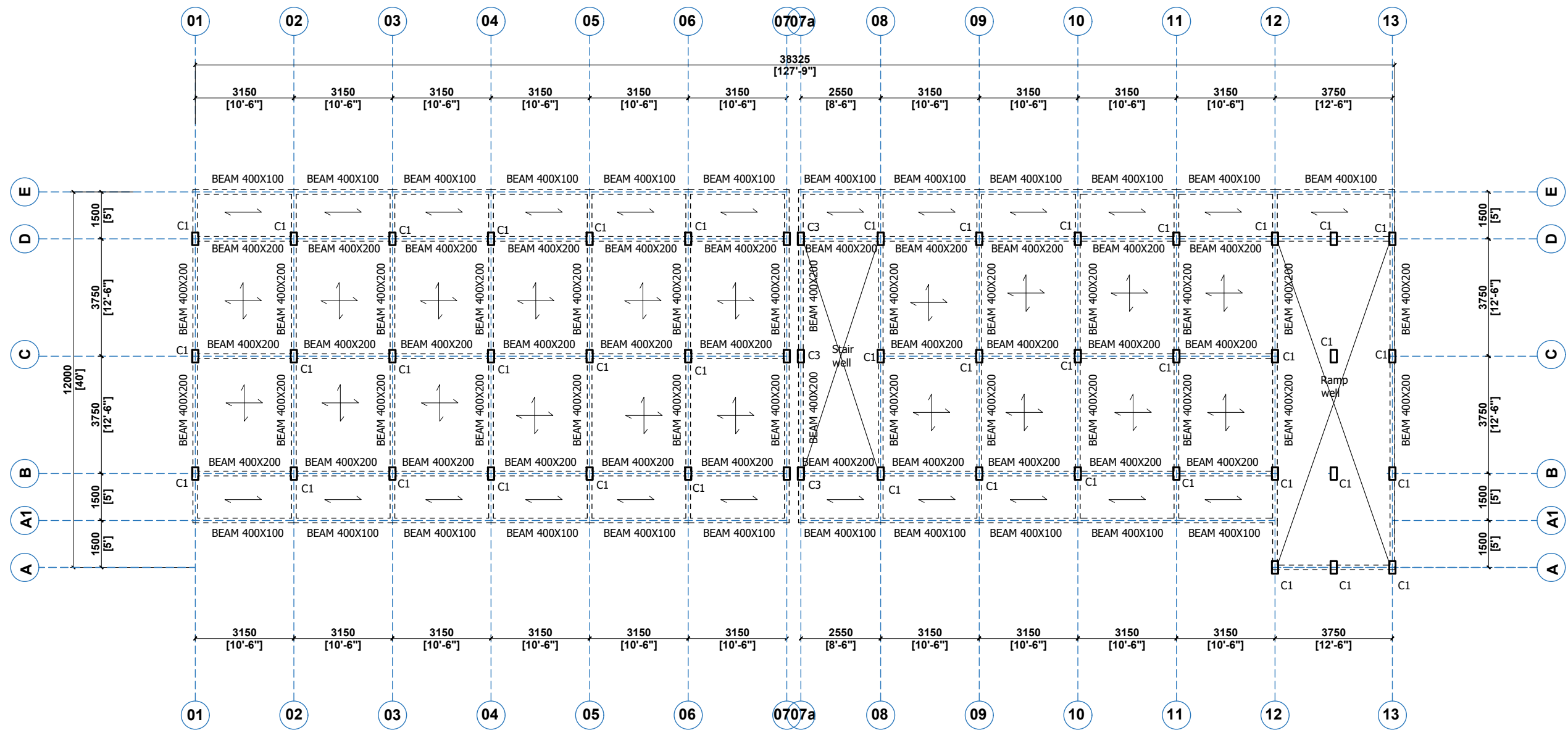
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C. O. ABOARH & A. FRANK

DRG NO.:

ST01



FIRST FLOOR BEAM AND COLUMN ARRANGEMENT



CLIENT:

DRAWING
TITLE:

DATE:

MINISTRY OF LOCAL GOVERNMENT ,
CHIEFTAINCY & RELIGIOUS AFFAIRS

FIRST FLOOR BEAM AND COLUMN
ARRANGEMENT (BLK 'B')

OCTOBER, 2025

PROJECT : **PROPOSED 24-HOUR
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&
COMMERCIAL CENTRE**



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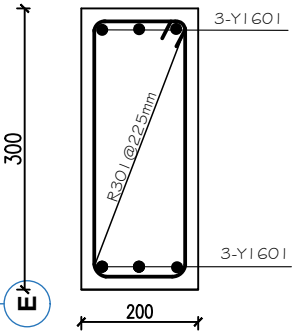
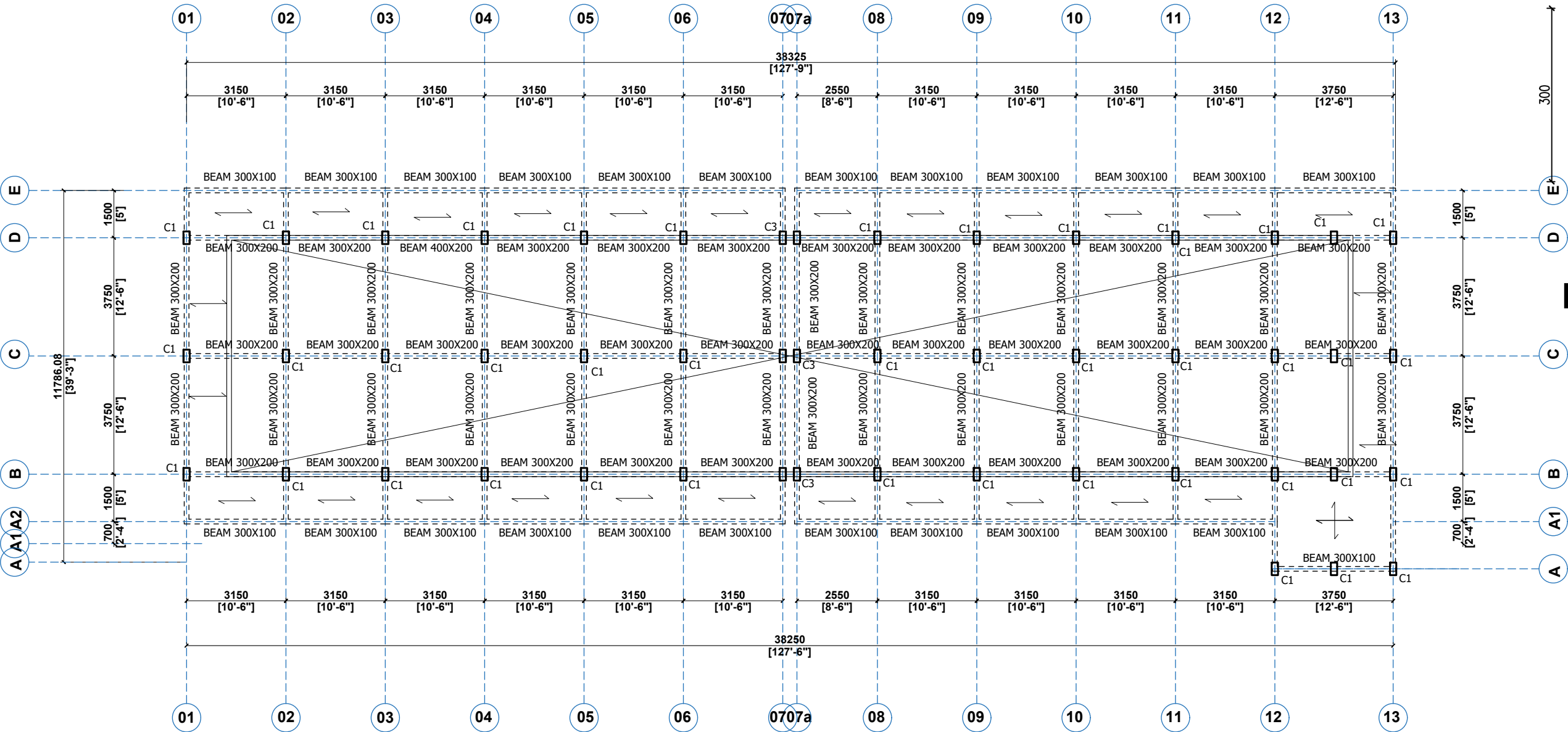
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ENGINEERING CONSULT**

C. O. ABOARH & A. FRANK

DRG NO.:

ST02

BENDING SCHEDULE					
LOCA	BAR MARK	DIA. mm	TOTAL No	LENGTH mm	BENDING SKETCH
ROOF BEAM DETAILS	R301	10	2454	900	
	R1601	16	347	9000	TO BE CUT TO SUIT ON SITE MIN. LAB 800MM



TYP. ROOF BEAM DETAIL

ROOF FLOOR BEAM ARRANGEMENT



CLIENT:

MINISTRY OF LOCAL GOVERNMENT ,
CHIEFTAINCY & RELIGIOUS AFFAIRS

DRAWING TITLE:

ROOF BEAM GENERAL ARRANGEMENT
(BLK 'B')

DATE:

OCTOBER, 2025

PROJECT :

PROPOSED 24-HOUR
ECONOMY MARKET
&
COMMERCIAL CENTRE



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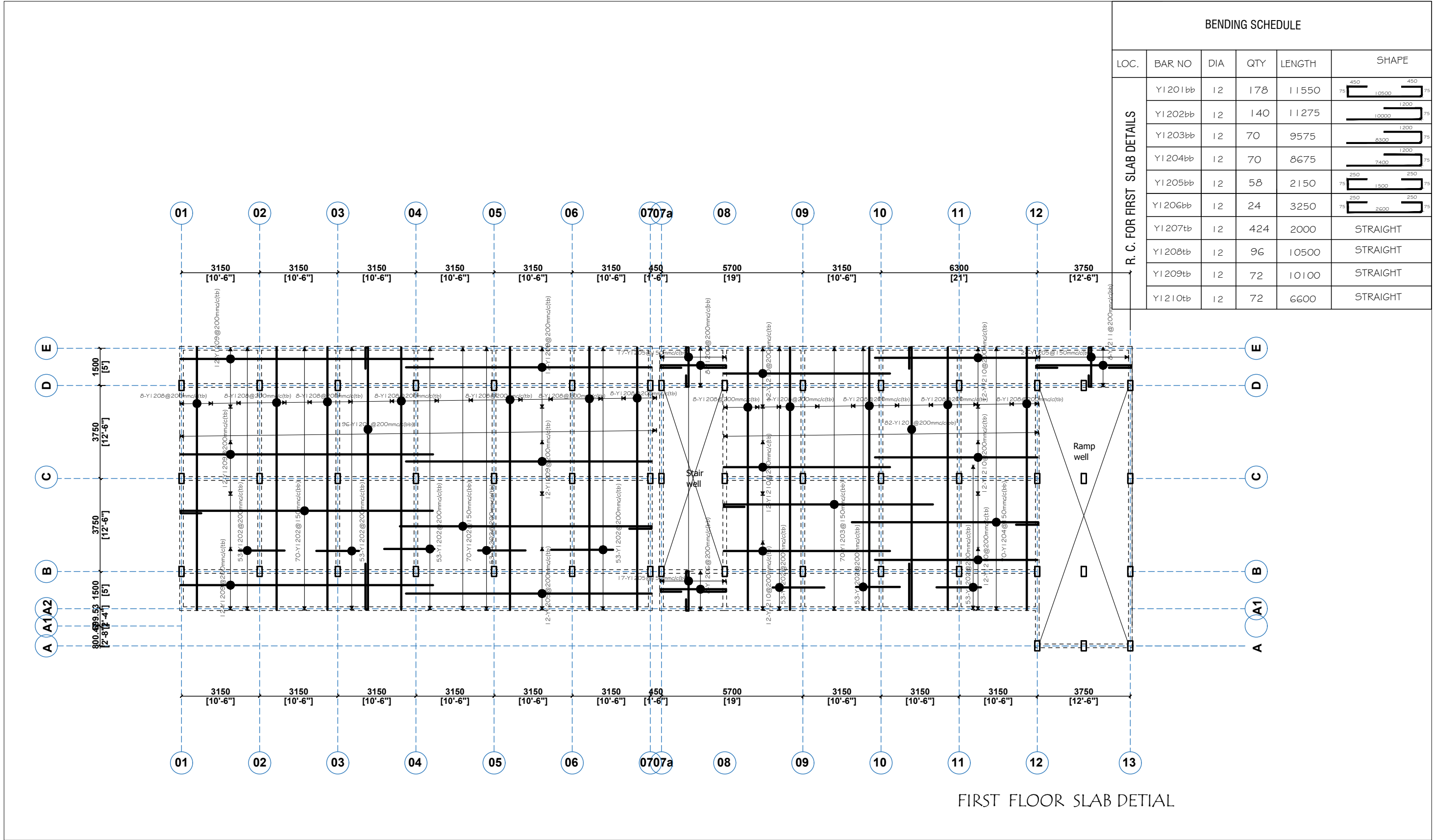
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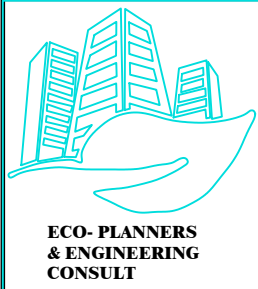
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DRG NO.:

ST03



BENDING SCHEDULE					
LOC.	BAR NO	DIA	QTY	LENGTH	SHAPE
R. C. FOR FIRST SLAB DETAILS	Y1201bb	12	178	11550	
	Y1202bb	12	140	11275	
	Y1203bb	12	70	9575	
	Y1204bb	12	70	8675	
	Y1205bb	12	58	2150	
	Y1206bb	12	24	3250	
	Y1207tb	12	424	2000	STRAIGHT
	Y1208tb	12	96	10500	STRAIGHT
	Y1209tb	12	72	10100	STRAIGHT
	Y1210tb	12	72	6600	STRAIGHT



CLIENT:	MINISTRY OF LOCAL GOVERNMENT , CHIEFTAINCY & RELIGIOUS AFFAIRS
DRAWING TITLE:	SLAB DETAL (BLK B)
DATE:	OCTOBER, 2025

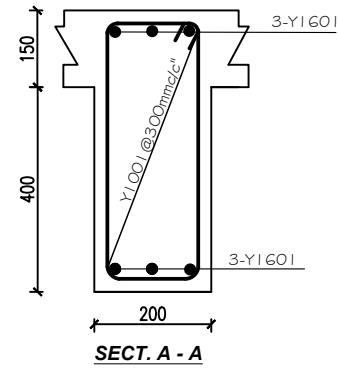
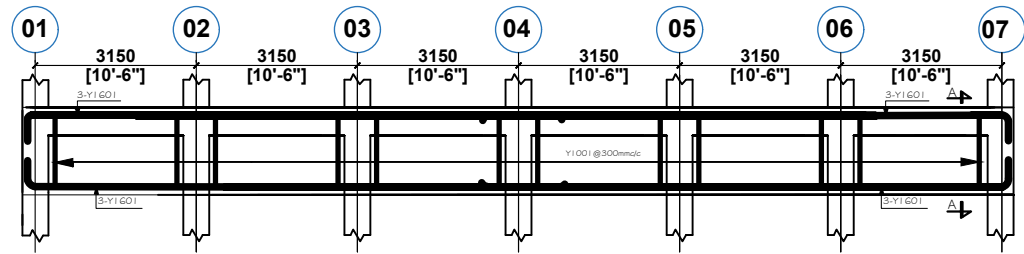
PROJECT :	PROPOSED 24-HOUR ECONOMY MARKET & COMMERCIAL CENTRE
NOTE :	- DIRECT MEASUREMENT IS NOT ALLOWED - FOR ANY CLARIFICATION CONTACT (" +233 247 898" 540 OR +233 242 316 175") ECO-PLANNERS AND ENGINEERING CONSULT



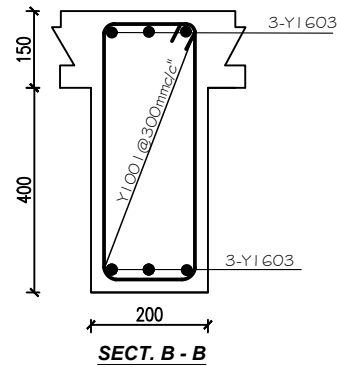
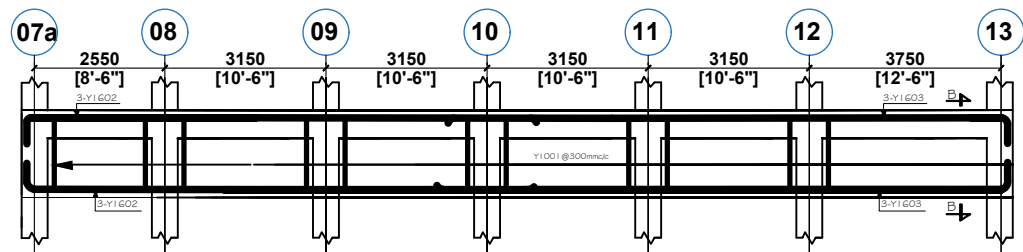
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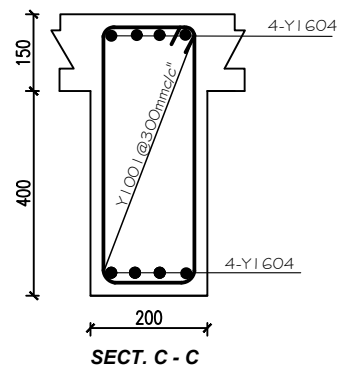
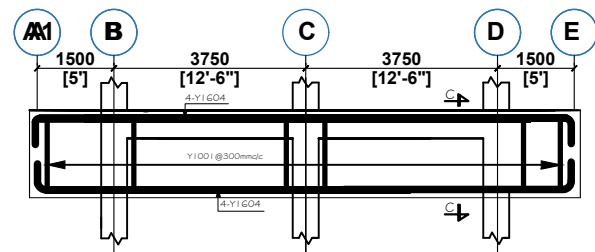
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ST04



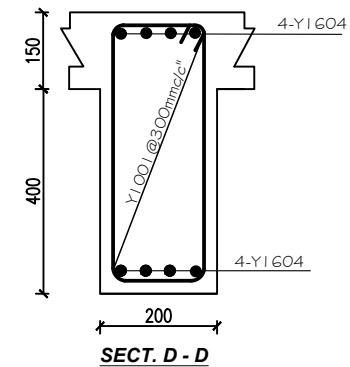
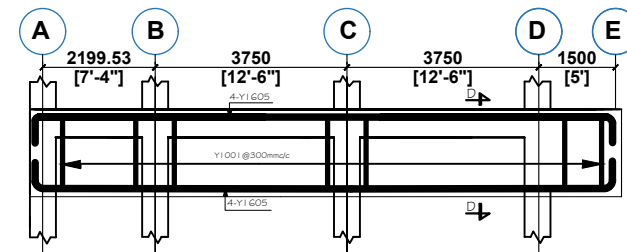
FLOOR BEAM ON G.L. B, C & D (3 NO)



FLOOR BEAM ON G.L. B, C & D (3 NO)



FLOOR BEAM ON G.L. 01, 02, 03, 04, 05, 06, 07, 07a, 08, 09, 10 & 11 (12 NO)



FLOOR BEAM ON G.L. 12 & 13 (2 NO)

BENDING SCHEDULE FOR FIRST & SECOND FLOOR

LOC.	BAR NO	DIA	QTY	LENGTH	SHAPE
TYPICAL BEAMS DETAILS	Y1601	16	36	10475	10300
	Y1602	16	18	9775	9600
	Y1603	16	18	10775	10600
	Y1604	16	96	10850	10500
	Y1605	16	16	11550	11200
	Y1001	10	525	1500	1500



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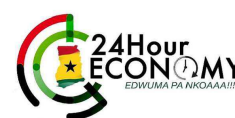
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MINISTRY OF LOCAL GOVERNMENT ,
CHIEFTAINCY & RELIGIOUS AFFAIRS

FIRST FLOOR BEAM (BLK B)

OCTOBER, 2025

PROJECT : **PROPOSED 24-HOUR
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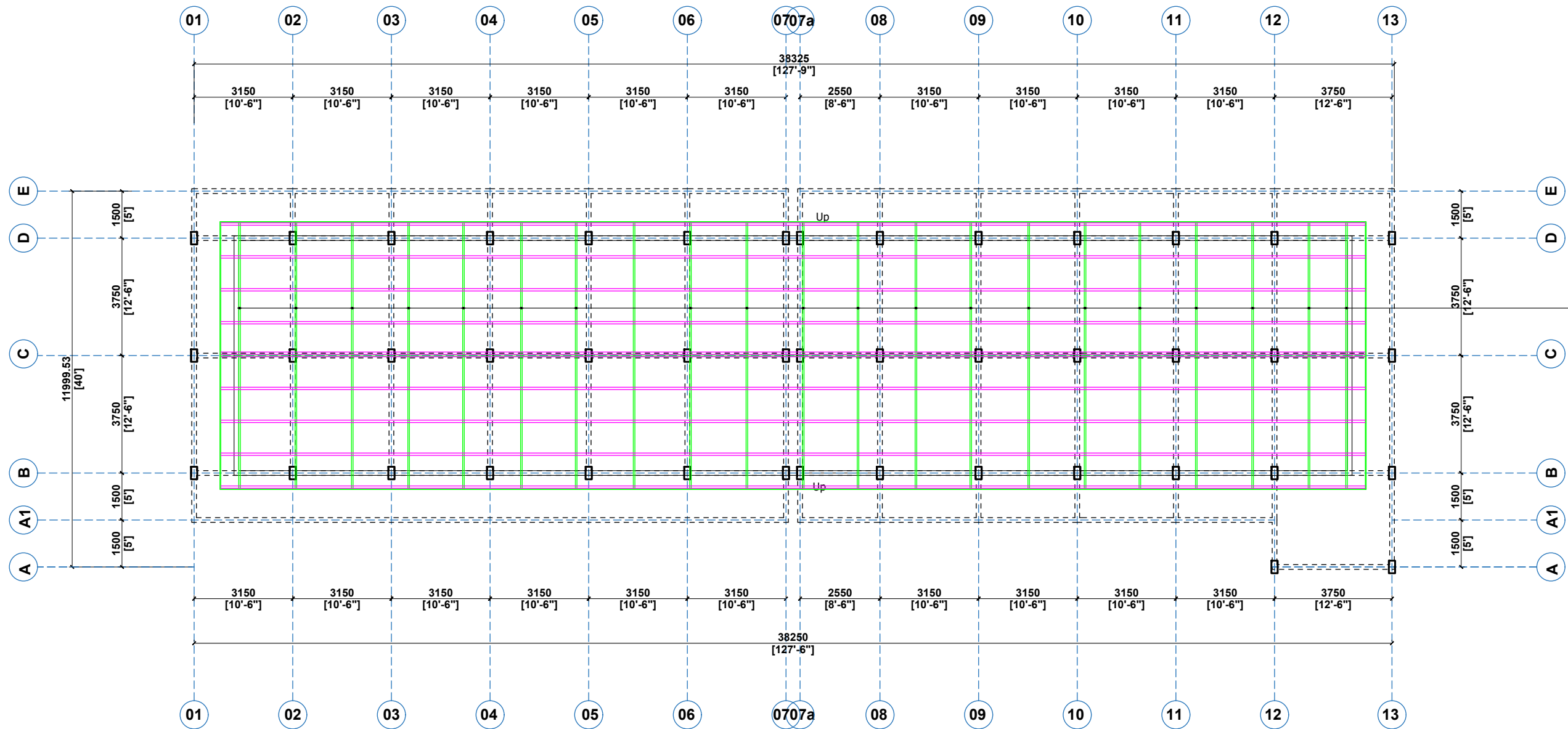
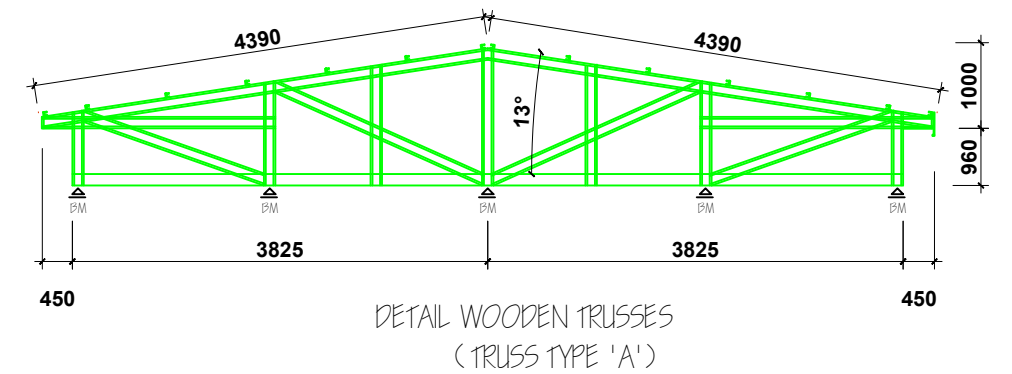
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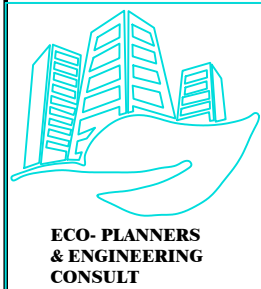
C. O. ABOARH & A. FRANK

DRG NO.:

ST05



TRUSS TYPE 'A'
@ 1800mm C/C



CLIENT:

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TITLE:**

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MINISTRY OF LOCAL GOVERNMENT,
CHIEFTAINCY & RELIGIOUS AFFAIRS

ROOF PLAN (CACASS ARRANGEMENT - BLK 'B')

OCTOBER, 2025

PROJECT : **PROPOSED 24-HOUR
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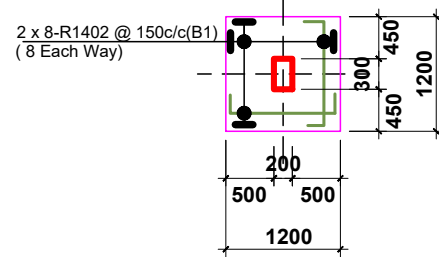
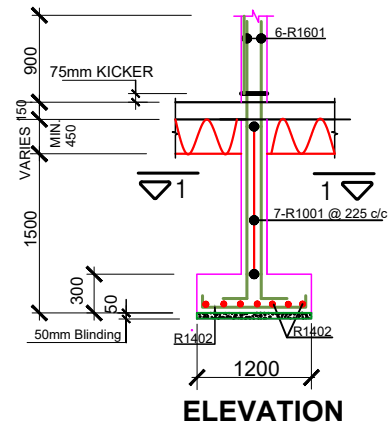
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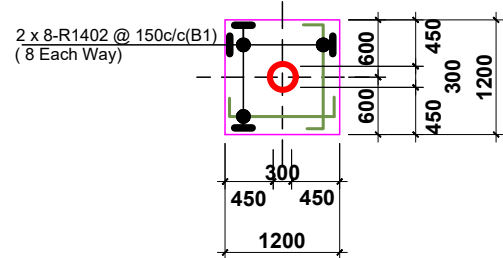
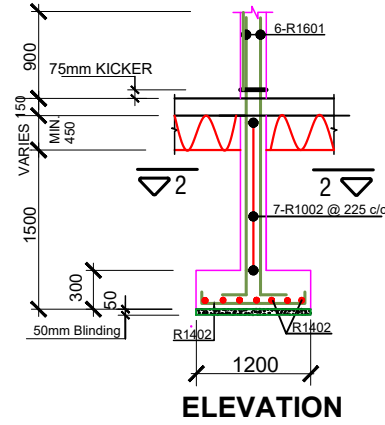
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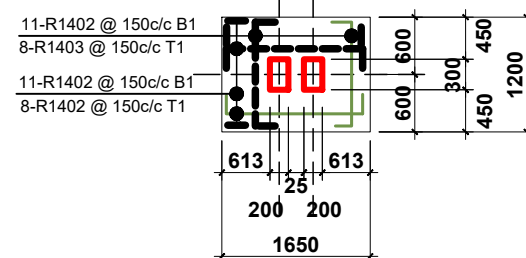
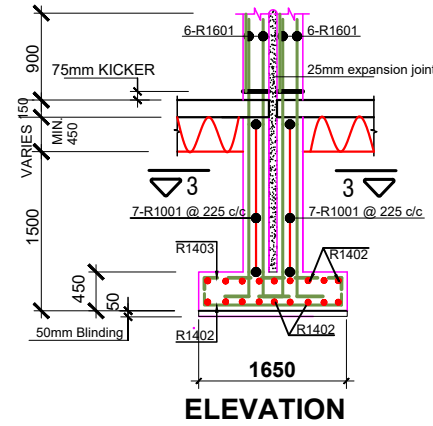
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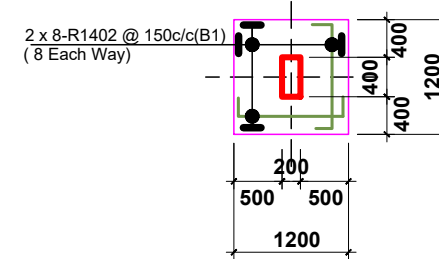
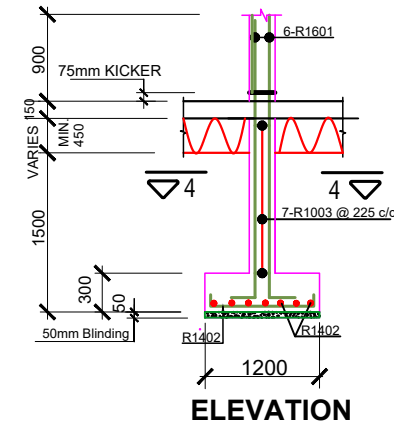
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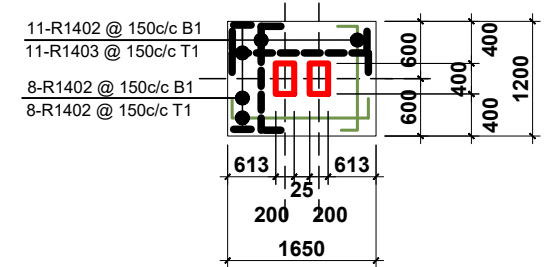
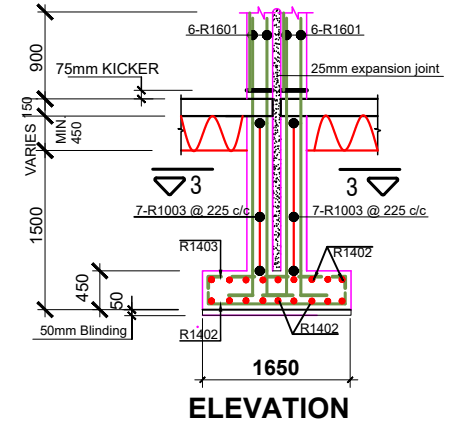
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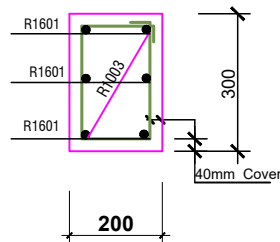
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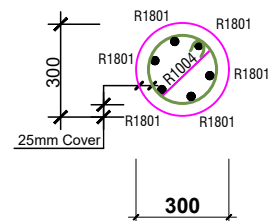
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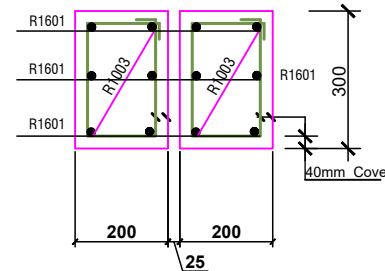
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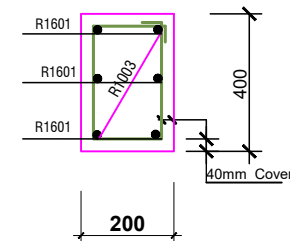
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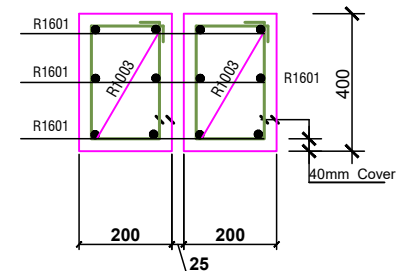
SECTION 2 - 2



SECTION 3 - 3



SECTION 4 - 4



SECTION 5 - 5

BENDING SCHEDULE						
LOCA.	BAR MARK	DIA mm	No EACH	TOTAL No	LENGTH mm	BENDING SKETCH
BASE TYPE 'B1' (144 No THUS)	R1801	16	6	864	3200	200 VARIES 3000 min.
	R1402	14	16	2304	1400	150 1100 150
	R1001	10	7	1008	900	50 250 150
BASE TYPE 'B2' (20 No ONLY)	R1601	16	6	120	3200	200 VARIES 3000 min.
	R1402	14	16	320	1400	150 1100 150
	R1002	10	7	140	700X(2)	CIRC. 600

BENDING SCHEDULE						
LOCA.	BAR MARK	DIA mm	No EACH	TOTAL No	LENGTH mm	BENDING SKETCH
BASE TYPE 'B3' (14 No ONLY)	R1601	16	12	168	3200	200 VARIES 3000 min.
	R1402	14	22	308	1800	150 1500 150
	R1403	14	16	40	2100	150 1100 150
	R1001	10	14	196	900X(2)	AS R1001 ABOVE
BASE TYPE 'B4' (99 No THUS)	R1601	16	6	594	3200	200 VARIES 3000 min.
	R1402	14	16	1584	1200	150 1100 150
	R1003	10	7	693	1050	50 325 150

BENDING SCHEDULE						
LOCA.	BAR MARK	DIA mm	No EACH	TOTAL No	LENGTH mm	BENDING SKETCH
BASE TYPE 'B5' (3 No ONLY)	R1601	16	12	36	3200	200 VARIES 3000 min.
	R1402	14	22	66	1800	150 1500 150
	R1403	14	16	48	2100	6 1100 150
	R1003	10	14	42	1050X(2)	AS R1003 ABOVE



CLIENT:

DRAWING
TITLE:

DATE:

MINISTRY OF LOCAL GOVERNMENT,
CHIEFTAINCY & RELIGIOUS AFFAIRS

COLUMN (1 of 2)

OCTOBER, 2025

PROJECT : **PROPOSED 24-HOUR
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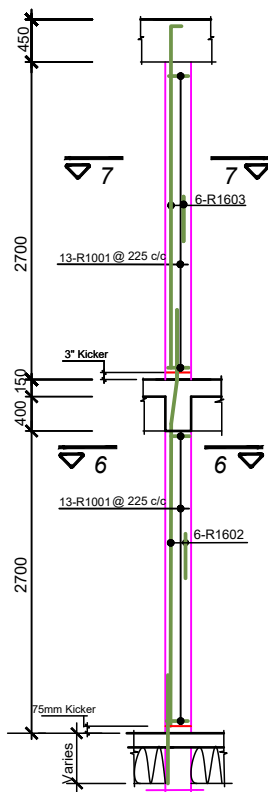
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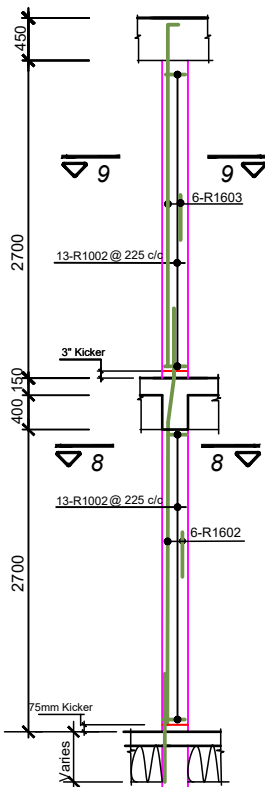
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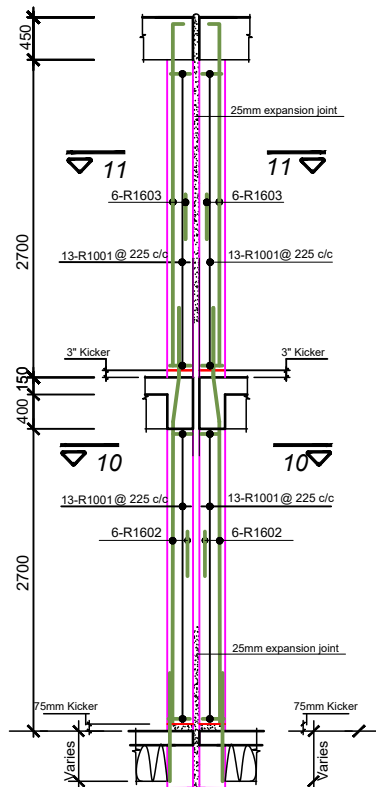
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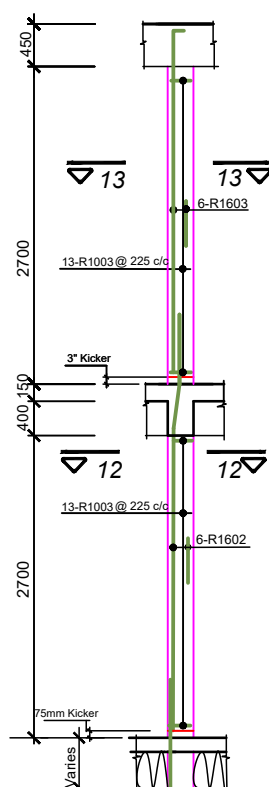
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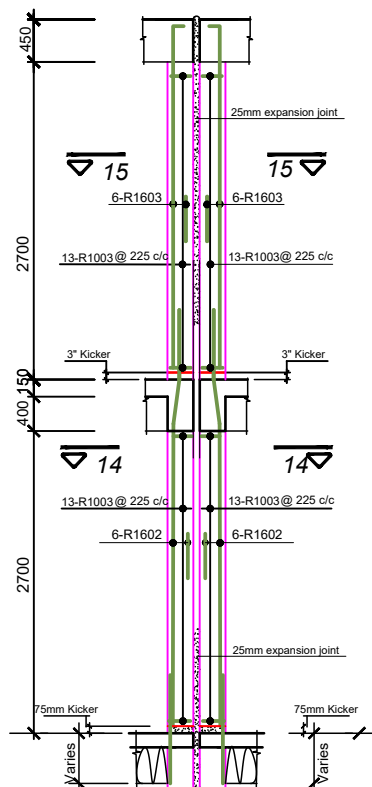
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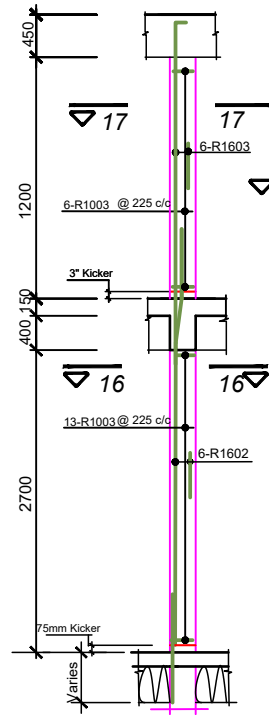
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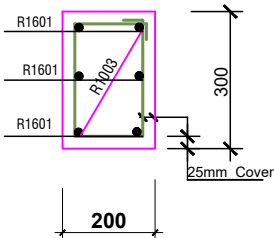
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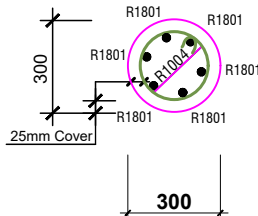
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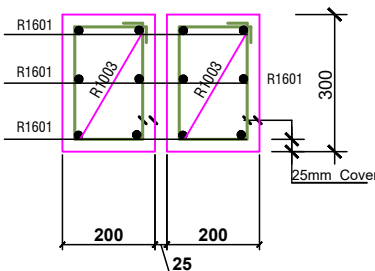
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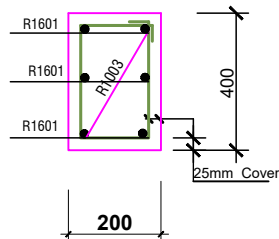
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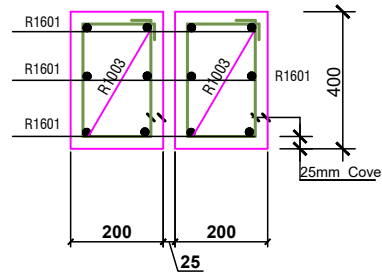
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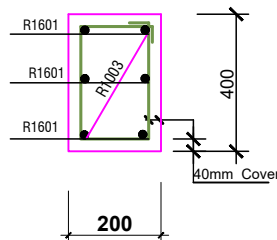
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SECTION 12-12/13-13



SECTION 14-14/15-15



SECTION 16-16/17-17

BENDING SCHEDULE						
LOC.	BAR MARK	DIA mm	No EACH	TOTAL No	LENGTH mm	BENDING SKETCH
COL. TYPE C1 (144 No. THUS)	R1602	16	6	864	4050	2850 300 900
	R1603	16	6	864	3050	2900 1150
	R1001	10	26	3744	900	500 250 150
COL. TYPE C2 (20 No. THUS)	R1602	16	6	120	4050	2850 300 900
	R1603	16	6	120	3050	2900 1150
	R1002	10	26	520	800	CIRC. 600 50
COL. TYPE C3 (14 No. THUS)	R1602	16	12	168	4050	2850 300 900
	R1603	16	12	168	3050	2900 1150
	R1001	10	52	728	900x(2)	AS R1001 ABOVE
COL. TYPE C4 (99 No. THUS)	R1602	16	6	594	4050	2850 300 900
	R1603	16	6	594	3050	2900 1150
	R1003	10	52	2574	1050x(2)	500 325 150
COL. TYPE C5 (3 No. THUS)	R1602	16	12	36	4050	2850 300 900
	R1603	16	12	36	3050	2900 1150
	R1003	10	52	156	1050x(2)	500 325 150
COL. TYPE C6 (30 No. THUS)	R1602	16	6	180	4050	2850 300 900
	R1603	16	6	180	1350	1200 1150
	R1003	10	26	780	1050x(2)	500 325 150



CLIENT:

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MINISTRY OF LOCAL GOVERNMENT ,
CHIEFTAINCY & RELIGIOUS AFFAIRS

COLUMN (2 of 2)

OCTOBER, 2025

PROJECT : **PROPOSED 24-HOUR
ECONOMY MARKET
&
COMMERCIAL CENTRE**



NOTE : - DIRECT MEASUREMENT IS NOT ALLOWED
- FOR ANY CLARIFICATION CONTACT (" +233 247 898" 540 OR
+233 242 316 175") ECO-PLANNERS AND ENGINEERING CONSULT

SCALE:

DESIGNED BY:

DRAWN BY:

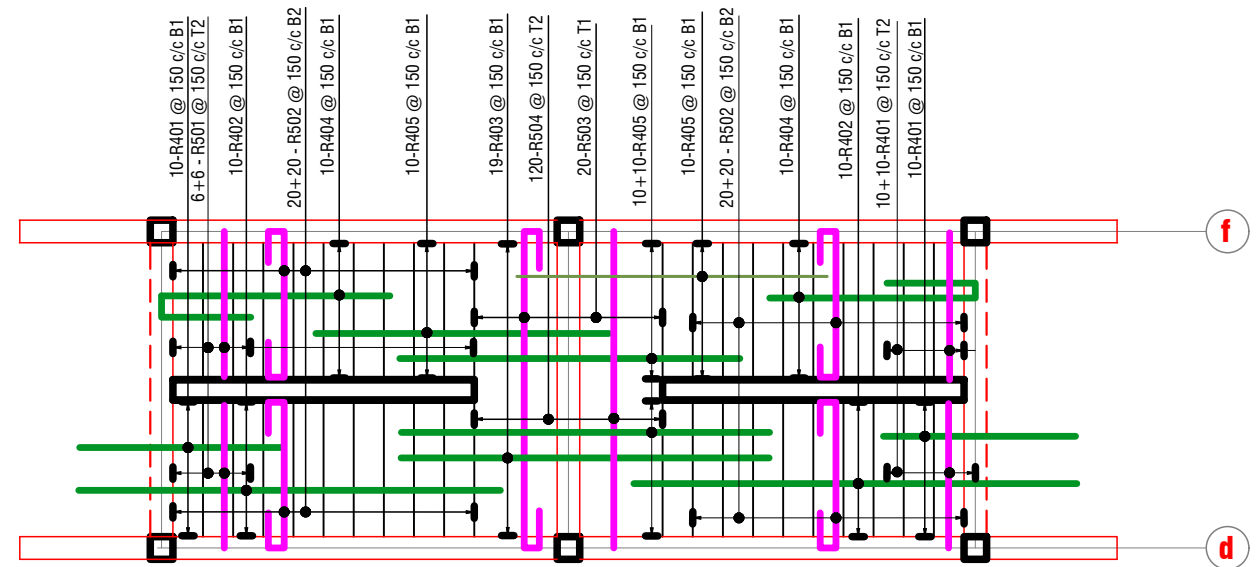
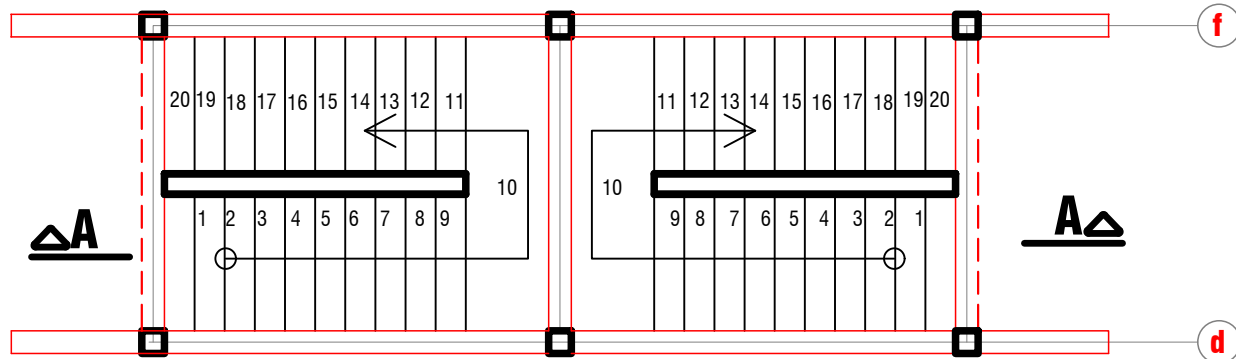
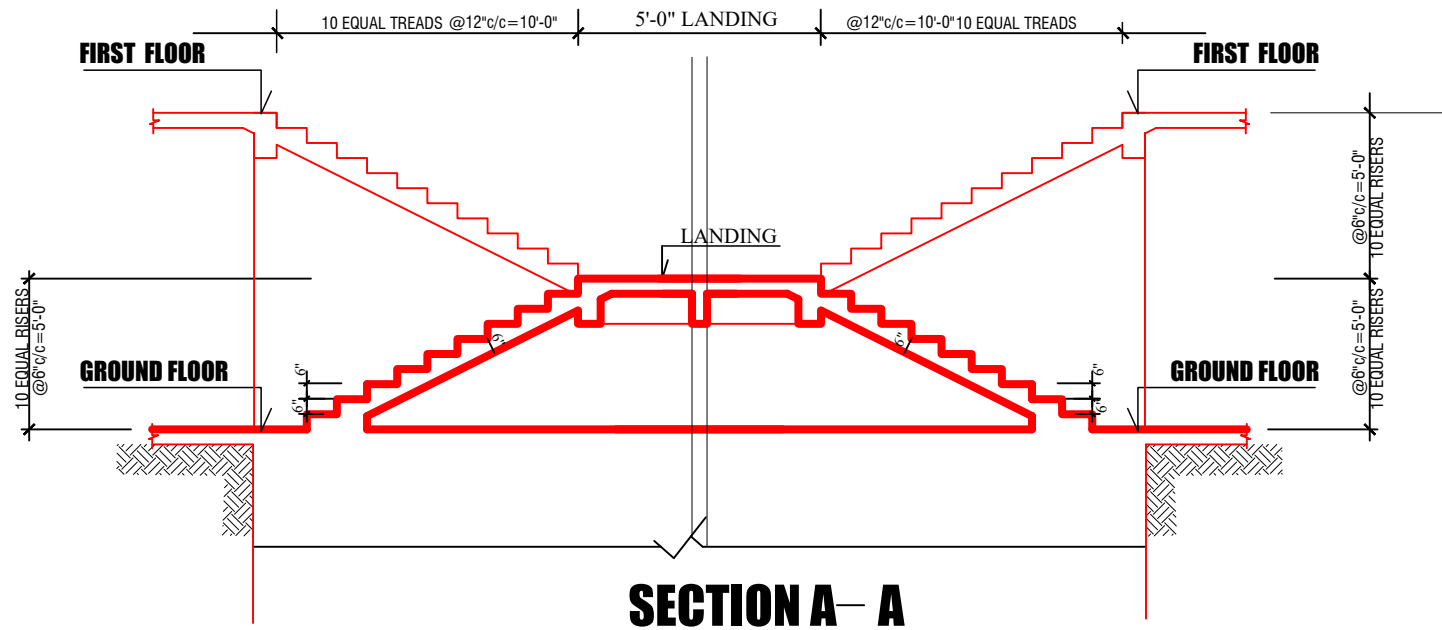
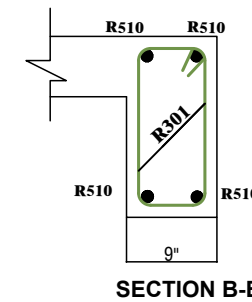
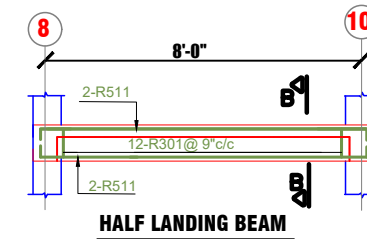
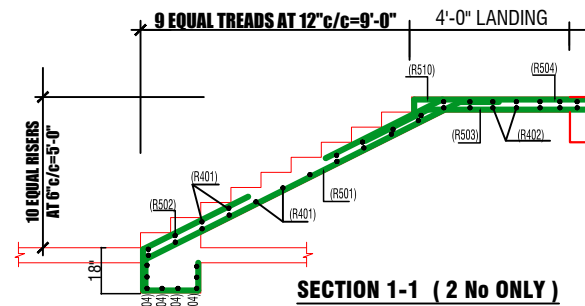
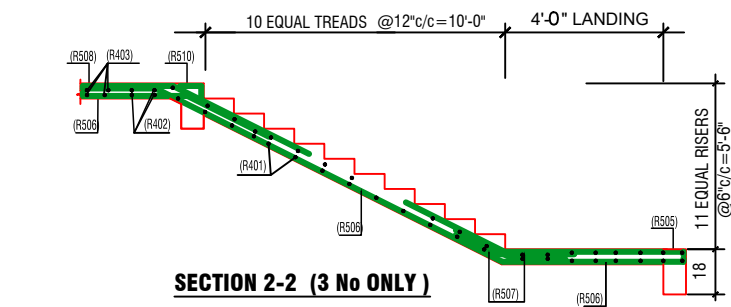
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ECO - PLANNERS &
ENGINEERING CONSULT

C. O. ABOARH & A. FRANK

DRG NO.:

ST08



BENDING SCHEDULE									
LOCA	BAR MARK	DIA mm	No EACH	TOTAL No	LENGTH mm	BENDING SKETCH			
STAIRCASE DETAILS	R401	16	10	40	1650				
	R402	16	10	40	4800				
	R403	16	19	76	3300				
	R404	16	10	40	3500				
	R405	12	10	40	4800				
	R501	12	6	12	1400	STRAIGHT			
	R502	12	20	80	2800				
	R503	12	20	20	4400				
	R504	12	10	20	1900				
	R506	16	10	20	5550				
HALF LANDING BEAM DETAILS	R507	16	10	20	3750				
	R508	5/8"	10	20	3600				
	R509	5/8"	10	20	1300				
	R510	5/8"	10	20	1650				
	R301	3/8"	13	26	4'-2"				
	R511	5/8"	4	8	11'-0"				

G.A. STAIRCASE FROM GROUND FLOOR TO FIRST FLOOR

R.C STAIRCASE DETAILS FROM GROUND FLOOR TO FIRST FLOOR



CLIENT:

MINISTRY OF LOCAL GOVERNMENT ,
CHIEFTAINCY & RELIGIOUS AFFAIRS

DRAWING
TITLE:

STAIR TYPE 2

DATE:

OCTOBER, 2025

PROJECT : **PROPOSED 24-HOUR
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&
COMMERCIAL CENTRE**



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+233 242 316 175") ECO-PLANNERS AND ENGINEERING CONSULT

SCALE:

1 : 100

DESIGNED BY:

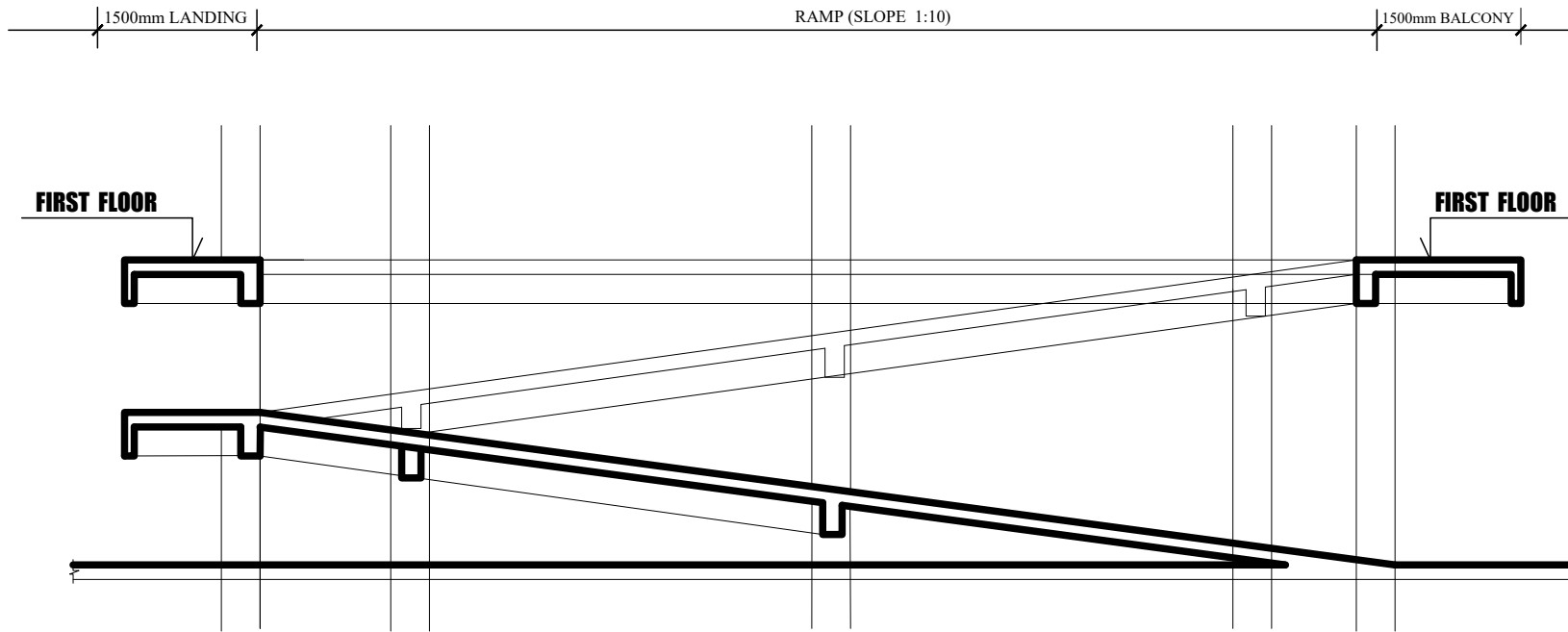
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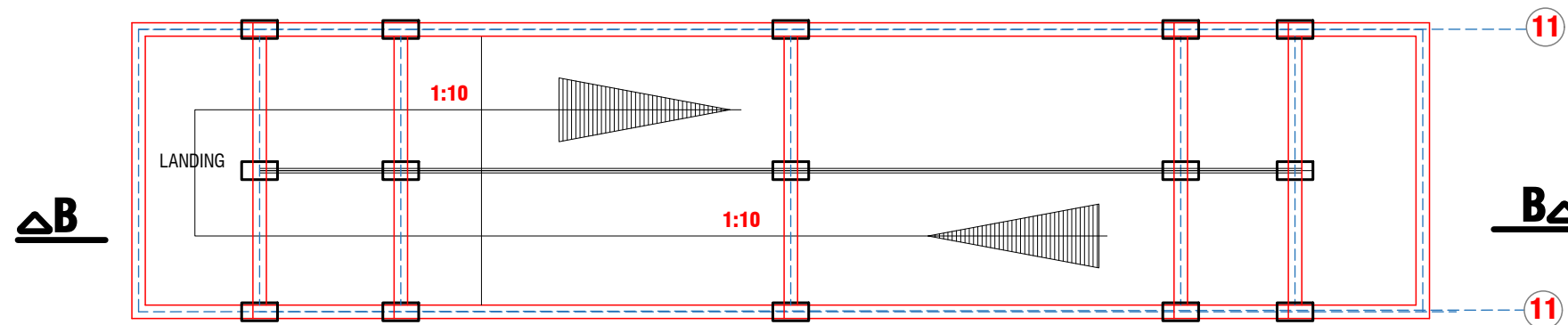
C. O. ABOARH & A. FRANK

DRG NO.:

ST09



 **SECTION B - B**
SCALE ; 1:100



G.A. RAMP FROM GROUND FLOOR TO FIRST FLOOR (type 2)



CLIENT:

**DRAWING
TITLE:**

DATE:

MINISTRY OF LOCAL GOVERNMENT ,
CHIEFTAINCY & RELIGIOUS AFFAIRS

RAMP TYPE 2 (1 of 2)

OCTOBER, 2025

PROJECT : **PROPOSED 24-HOUR
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SCALE:

DESIGNED BY:

DRAWN BY:

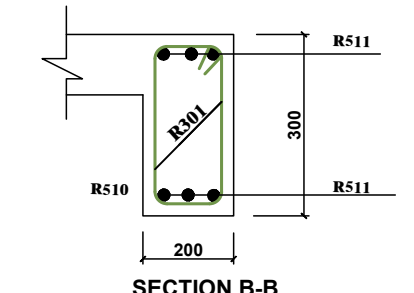
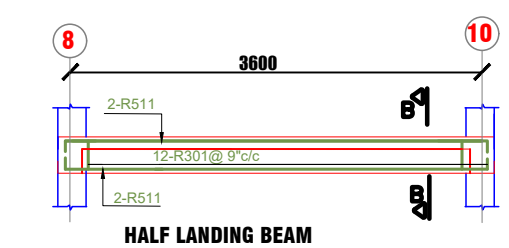
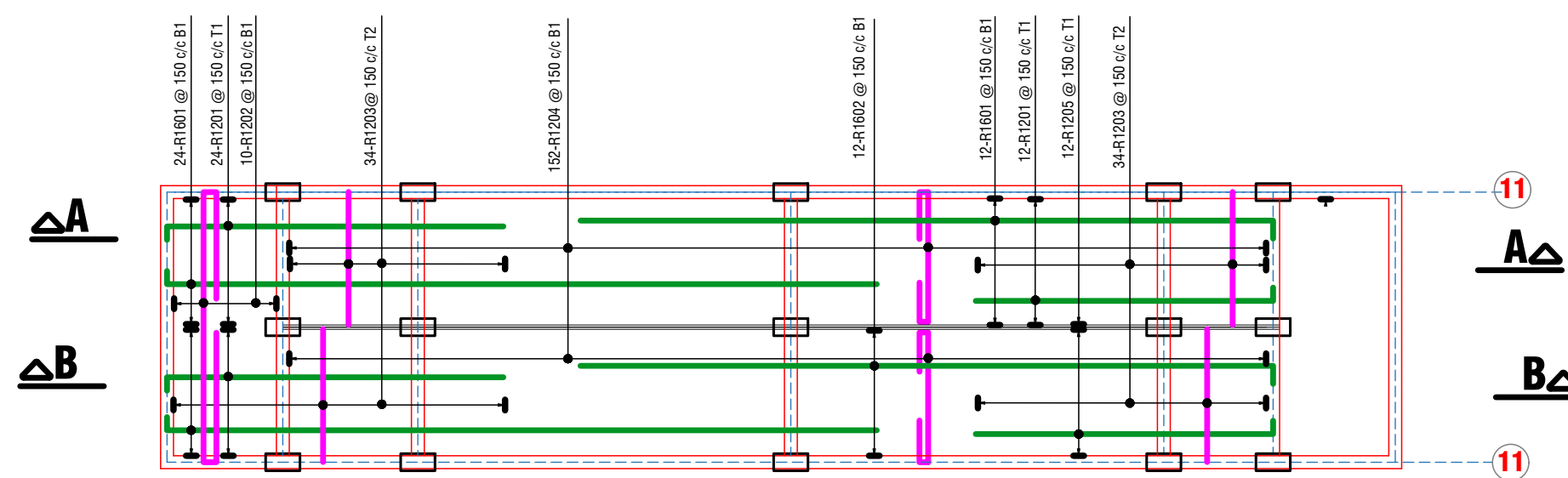
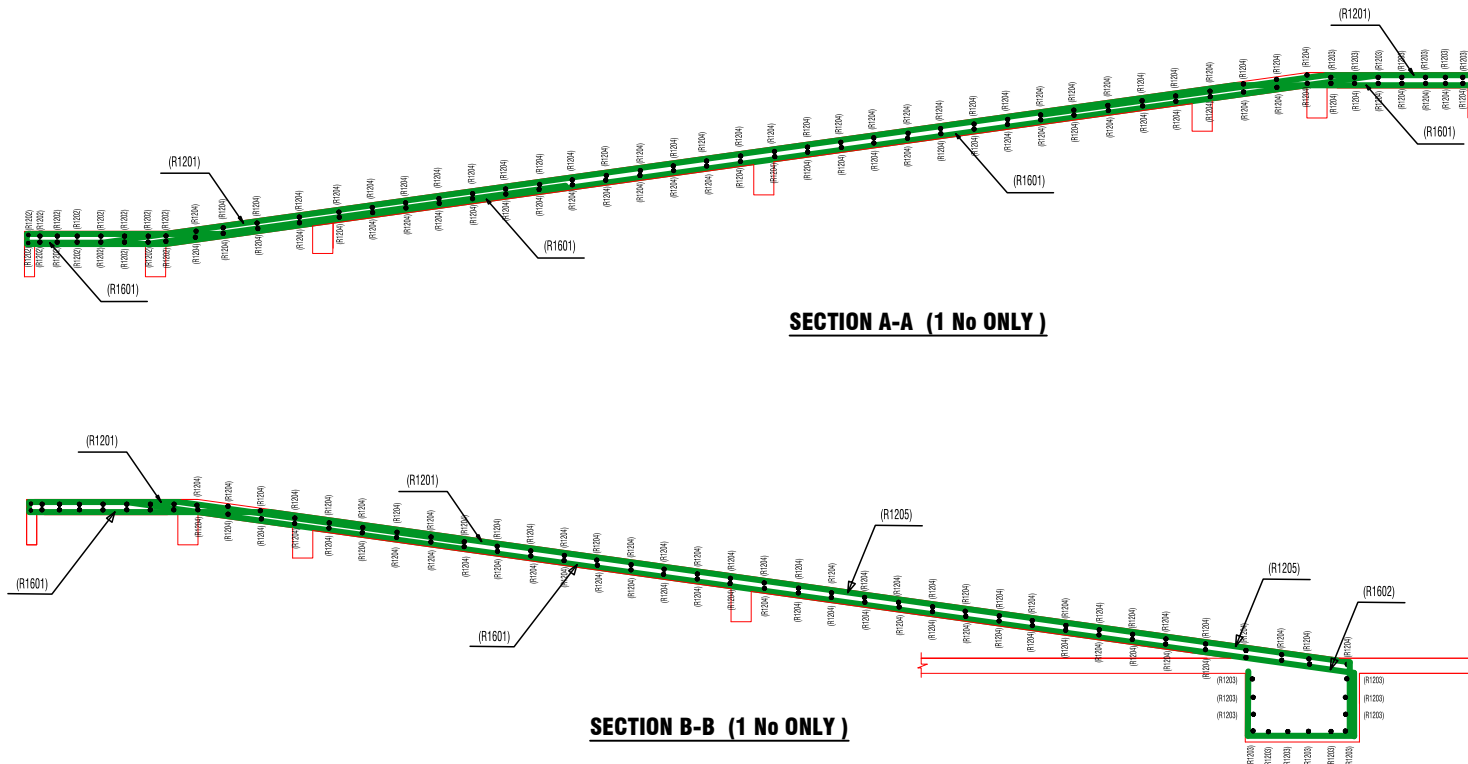
1 : 100

**ECO - PLANNERS &
ENGINEERING CONSULT**

C. O. ABOARH & A. FRANK

DRG NO.:

ST10



BENDING SCHEDULE						
LOCA	BAR MARK	DIA mm	No EACH	TOTAL No	LENGTH mm	BENDING SKETCH
RAMP DETAILS	R1601	16	48	48	8350	50 1500 6800
	R1201	12	96	96	4000	50 1500 2450
	R1202	12	10	10	5650	1200 3150 50
	R1203	12	136	136	1550	STRAIGHT
	R1204	12	304	304	2750	550 1150 50
	R1602	16	12	12	8900	500 750 6800
HALF LANDING BEAM DETAILS	R1205	12	12	12	4750	750 4000
	R301	10	16	16	1250	175 400 175
	R511	16	6	6	3900	150 3600 150

G.A. RAMP FROM GROUND FLOOR TO FIRST FLOOR (type 2)



CLIENT:

MINISTRY OF LOCAL GOVERNMENT ,
CHIEFTAINCY & RELIGIOUS AFFAIRS

DRAWING TITLE:

RAMP TYPE 2 (2 of 2)

DATE:

OCTOBER, 2025

PROJECT :

PROPOSED 24-HOUR
ECONOMY MARKET
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+233 242 316 175") ECO-PLANNERS AND ENGINEERING CONSULT

SCALE:

1 : 100

DESIGNED BY:

ECO - PLANNERS &
ENGINEERING CONSULT

DRAWN BY:

C. O. ABOARH & A. FRANK

DRG NO.:

ST11