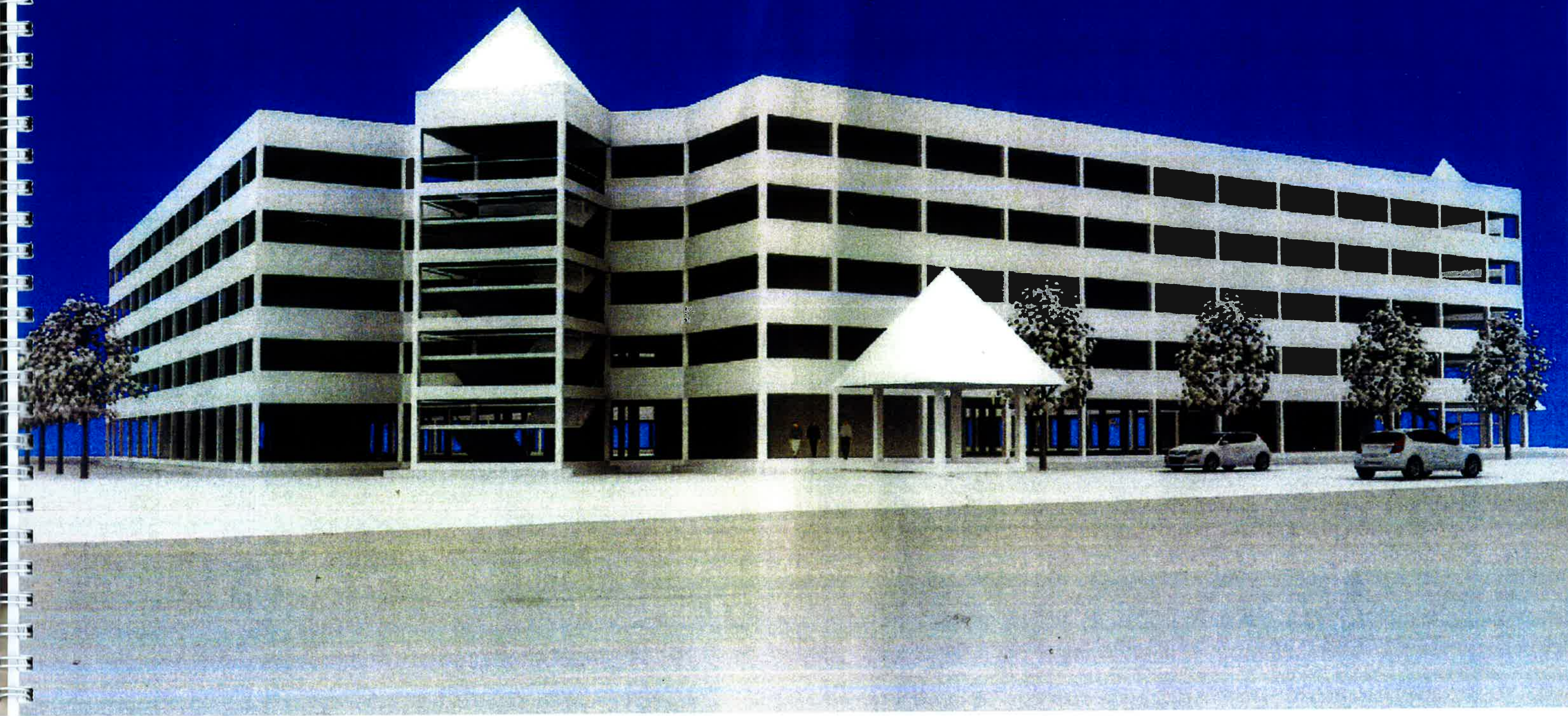
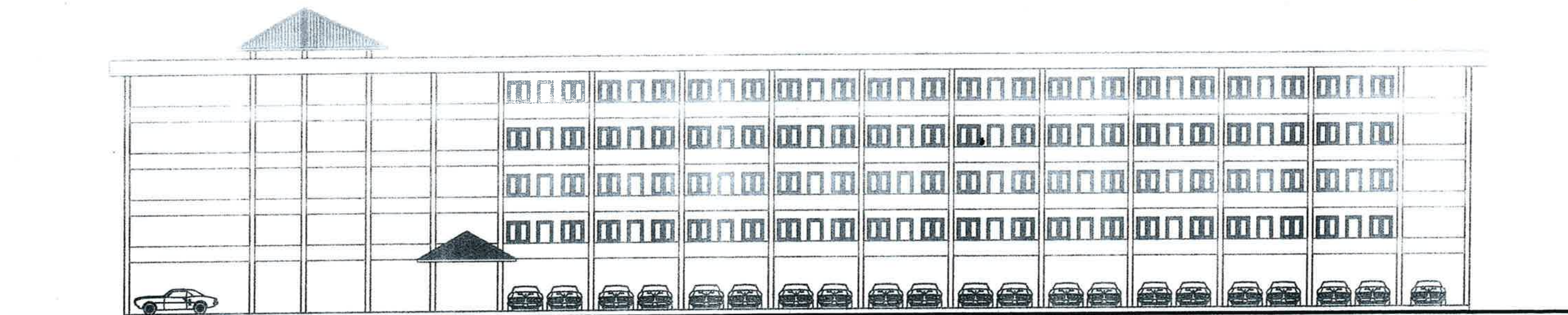


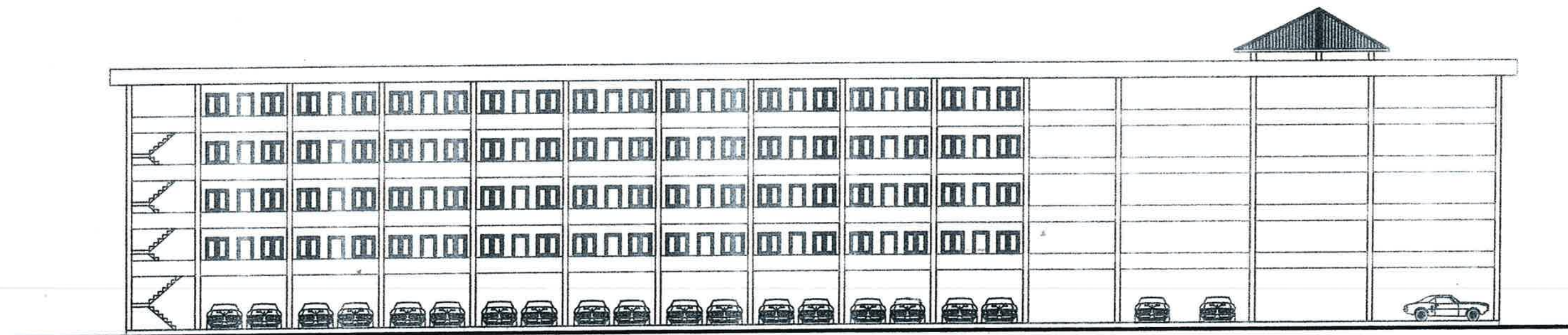
Public Housing
Low cost
20 units 5 Storeyed Building

ARCHITECTURAL DRAWINGS STRUCTURAL DRAWINGS



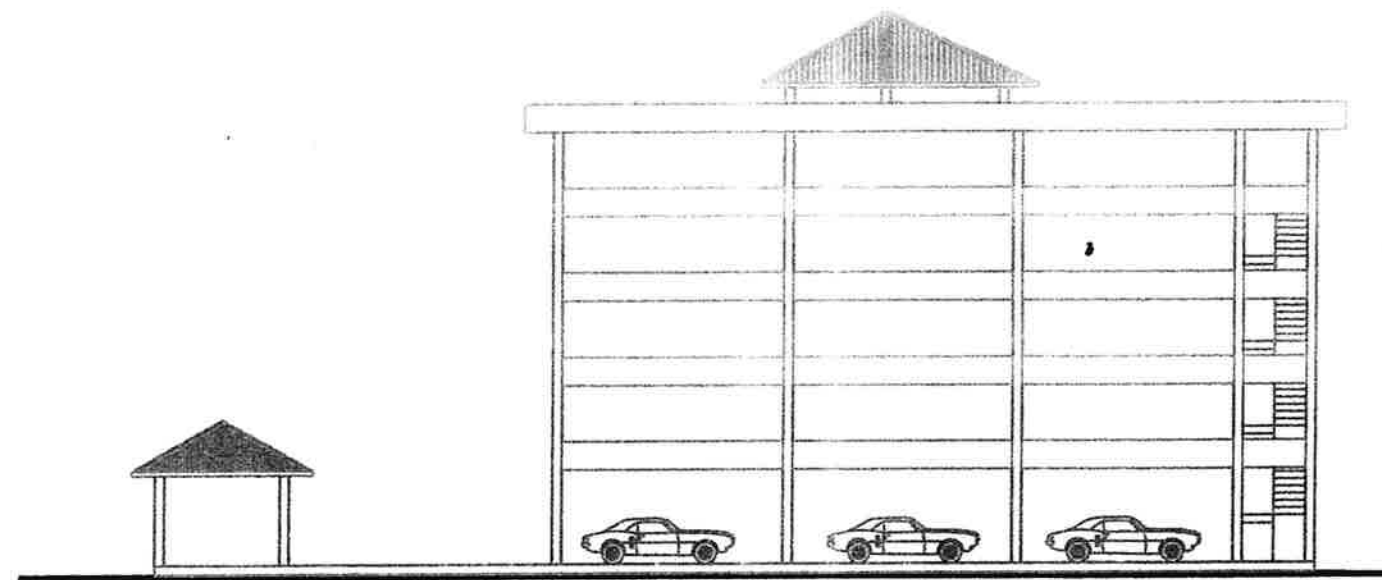


FRONT ELEVATION

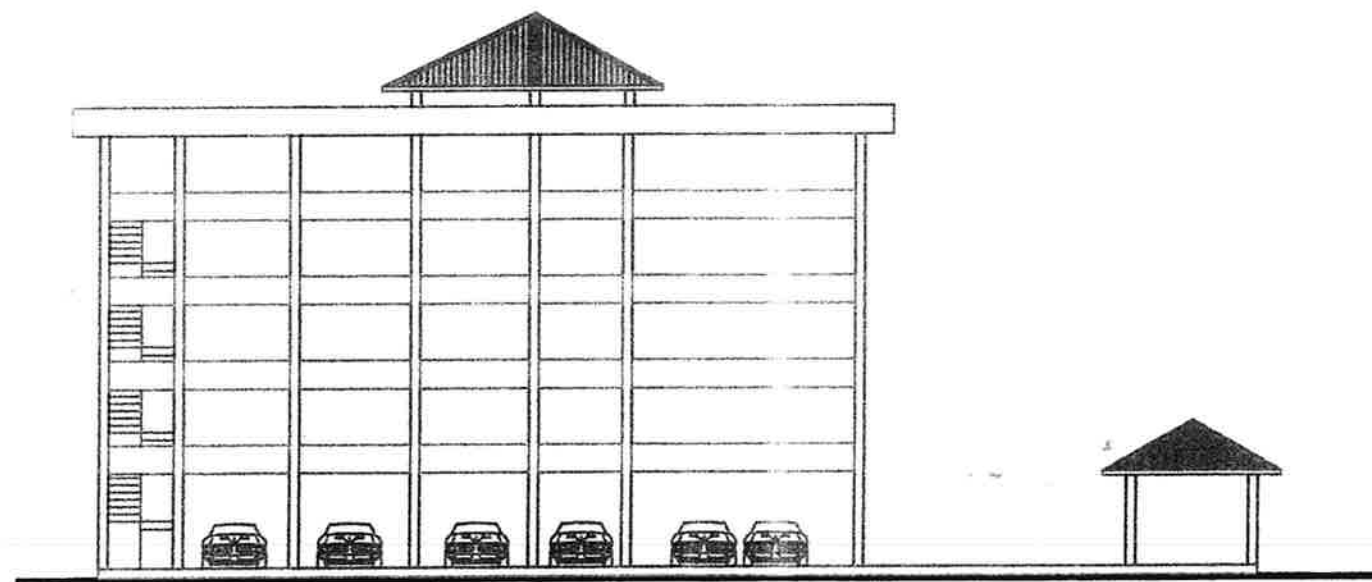


BACK ELEVATION

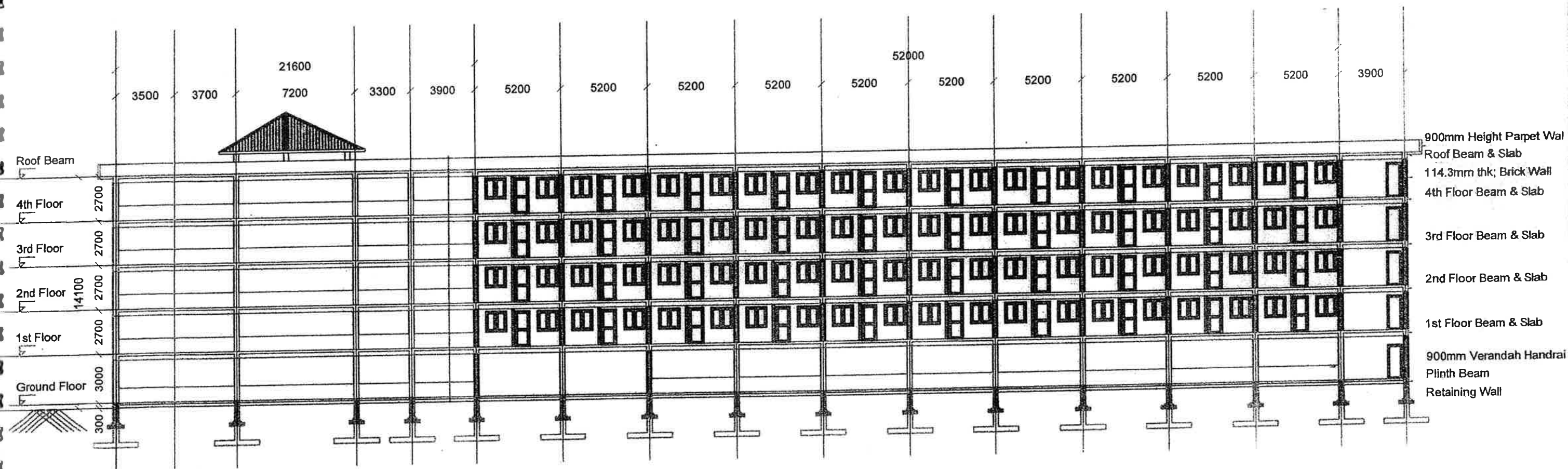
May 4/5/2018



LEFT ELEVATION



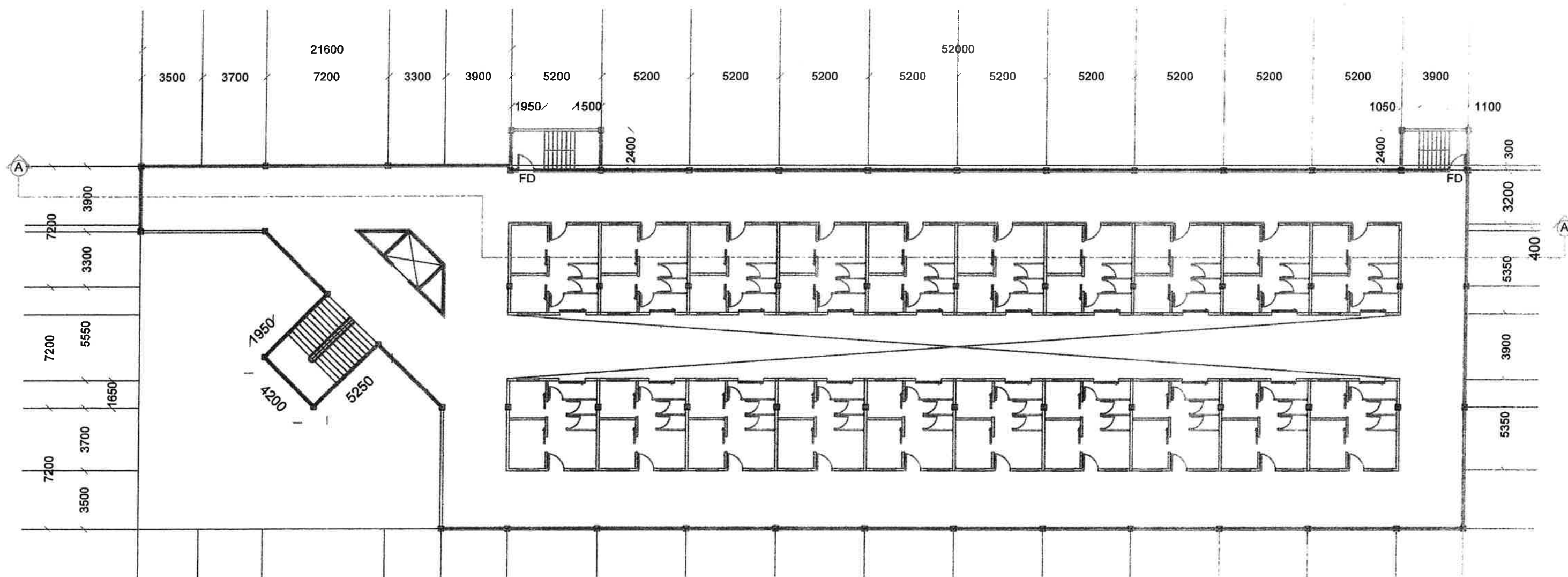
RIGHT ELEVATION

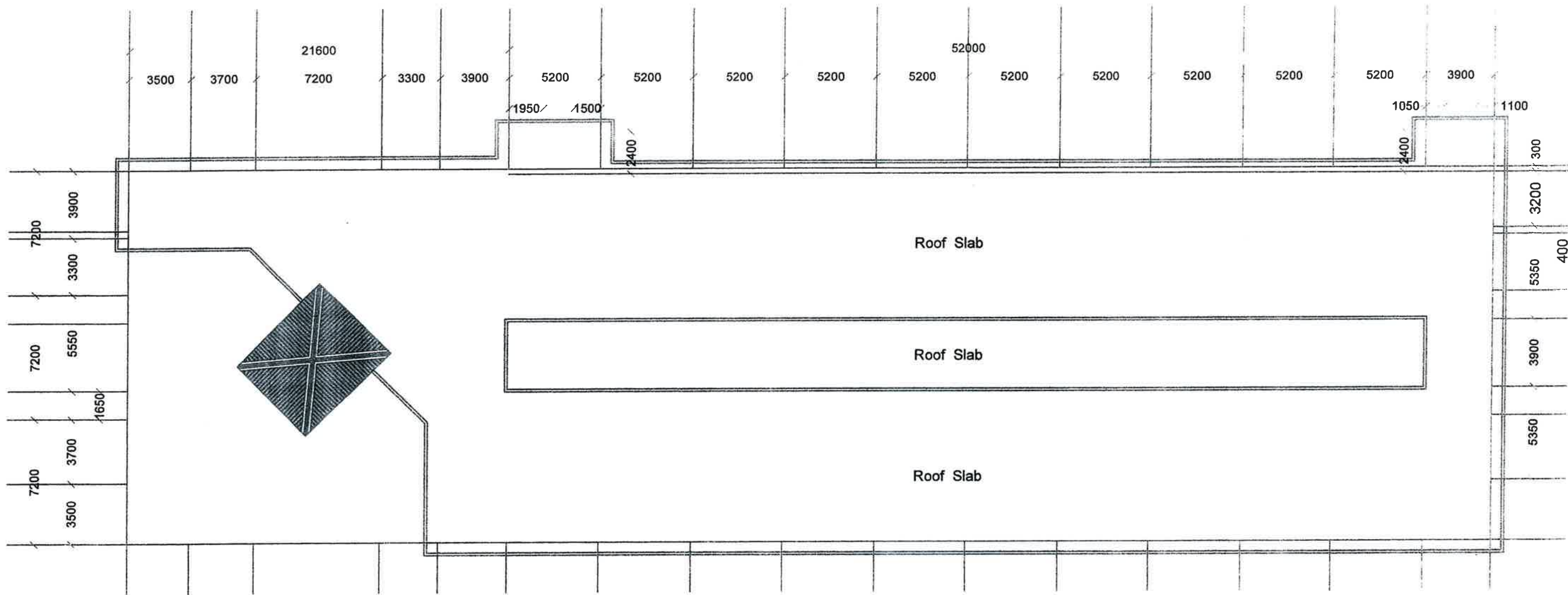


SECTION A-A

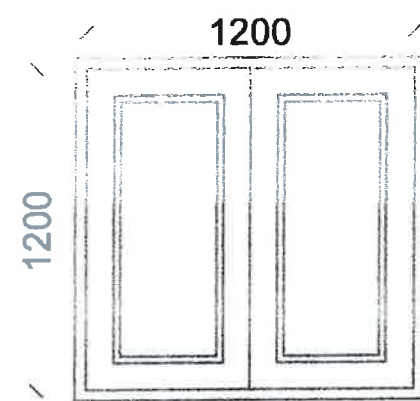
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GROUND FLOOR PLAN

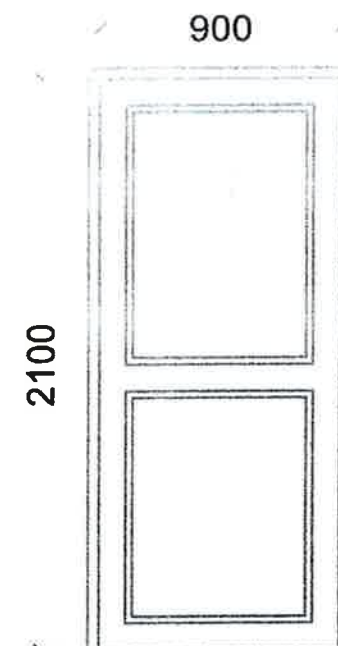




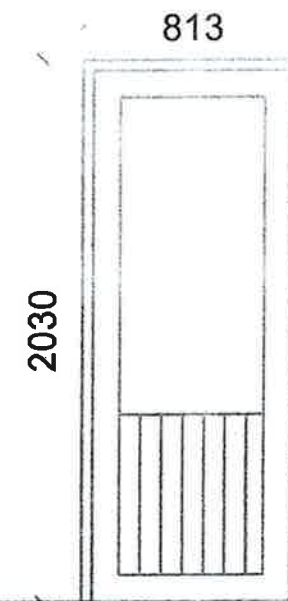
TOP ROOF PLAN



W2(Window)

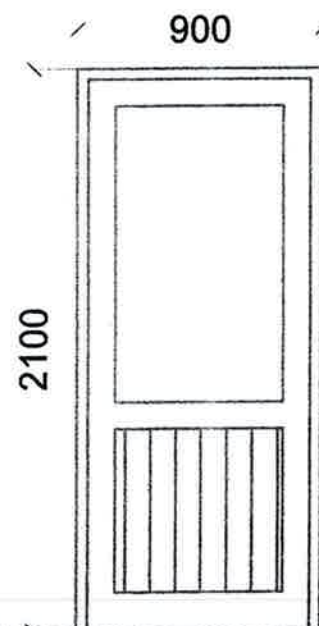


D(Main Door)

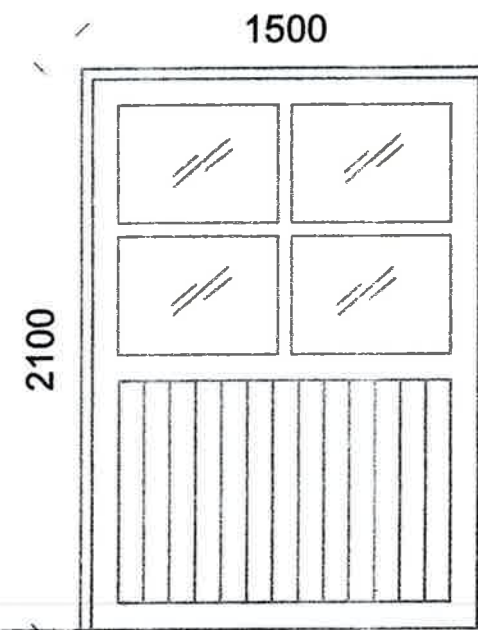


D1(Door)

Finished Floor Level



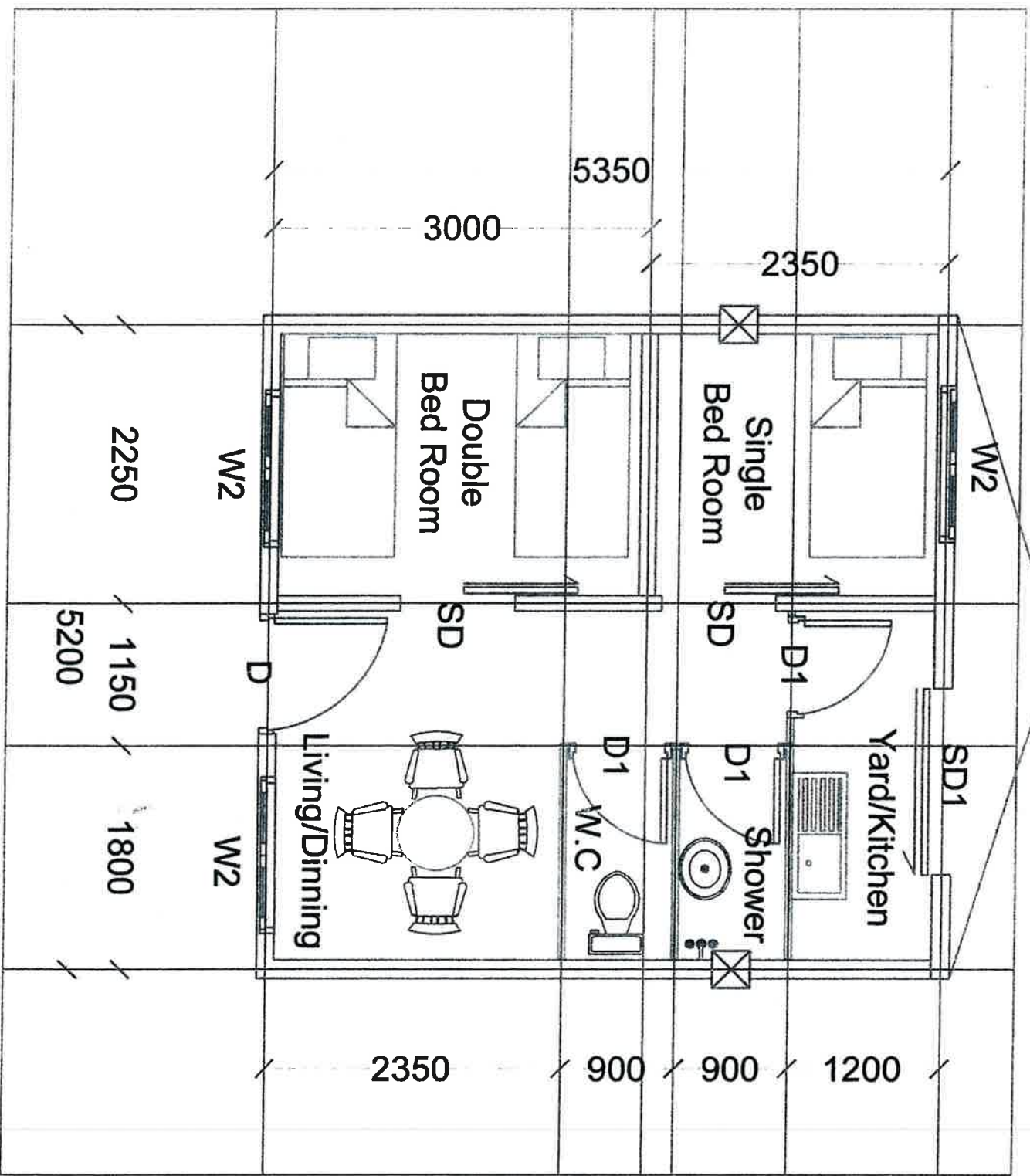
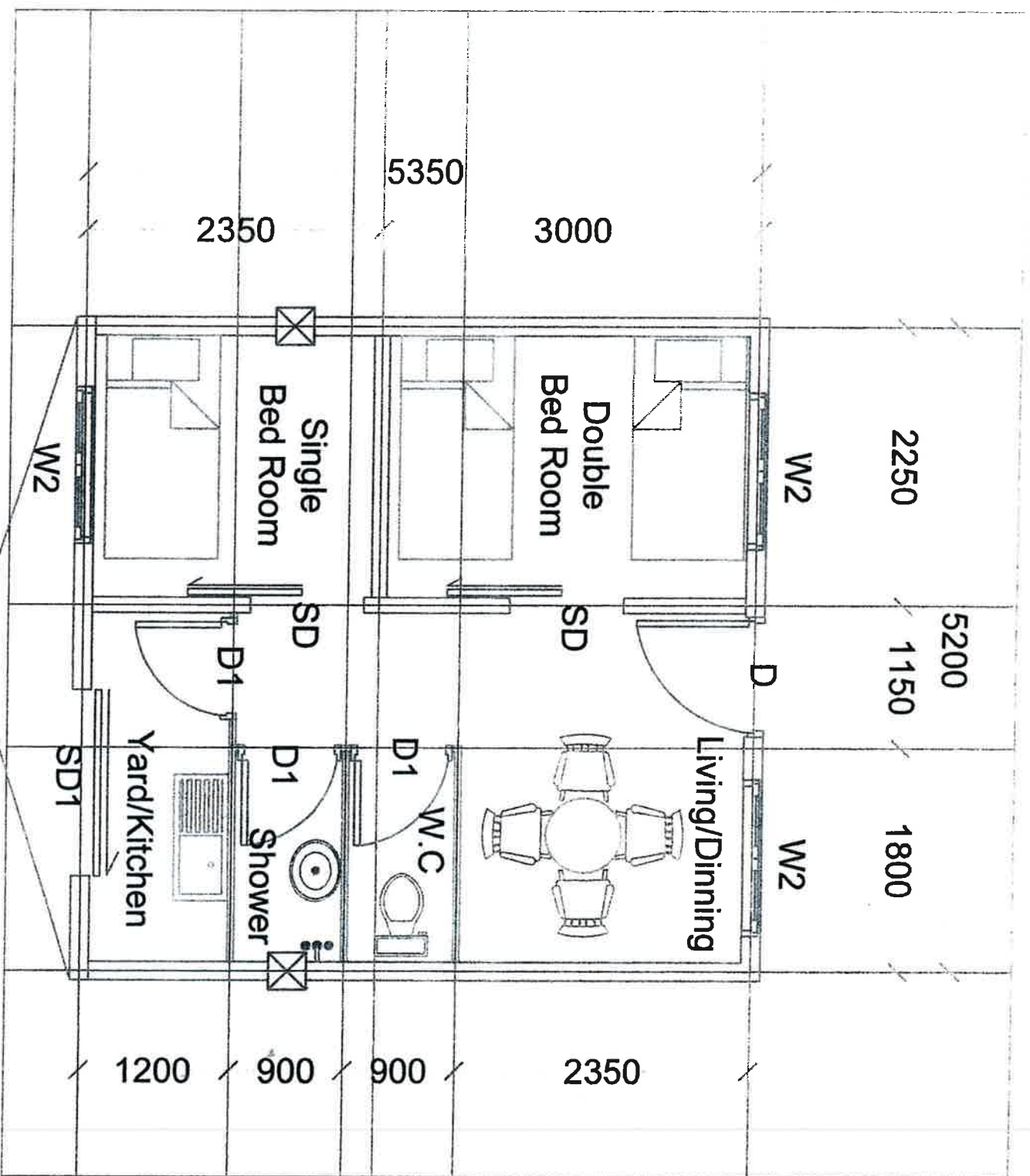
SD(Sliding Door)



SD1(Sliding Door)

Finished Floor Level

WINDOWS & DOORS DETAILS



TYPICAL FLOOR PLAN

FOOTING SCHEDULE

TYPE	SIZE	DEPTH	REINFORCEMENT		REMARK	CLEAR COVER
			PARALLEL TO SHORT SIDE	PARALLEL TO LONG SIDE		
F-1	1800 mm x 1800 mm x 375 mm	1800 mm	10-16mm Ø Steels	10-16mm Ø Steels	Only Bottom Layer	75 mm
F-2	2100 mm x 2100mm x 375 mm	1800 mm	12-16mm Ø Steels	12-16mm Ø Steels	Only Bottom Layer	75 mm

COLUMN SCHEDULE

TYPE	SIZE	REINFORCEMENT		REMARK	CLEAR COVER
		MAIN	TIE		
C-1	350 mm x 350 mm	8 - 20mm Ø	10mm Ø @ 150 mm c/c	Foundation to Roof Beam Level	50 mm
C-2	400 mm x 400 mm	10 - 20mm Ø	10mm Ø @ 150 mm c/c	Foundation to Roof Beam Level	50 mm
C-3	450 mm x 450 mm	12 - 20mm Ø	10mm Ø @ 150 mm c/c	Foundation to Roof Beam Level	50 mm

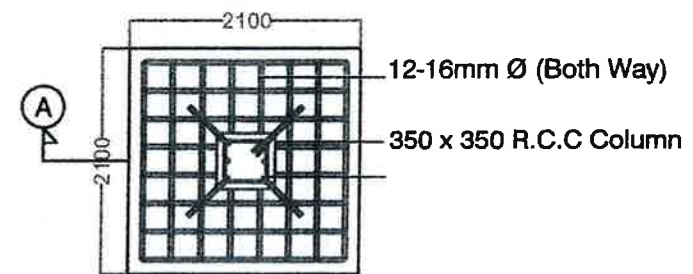
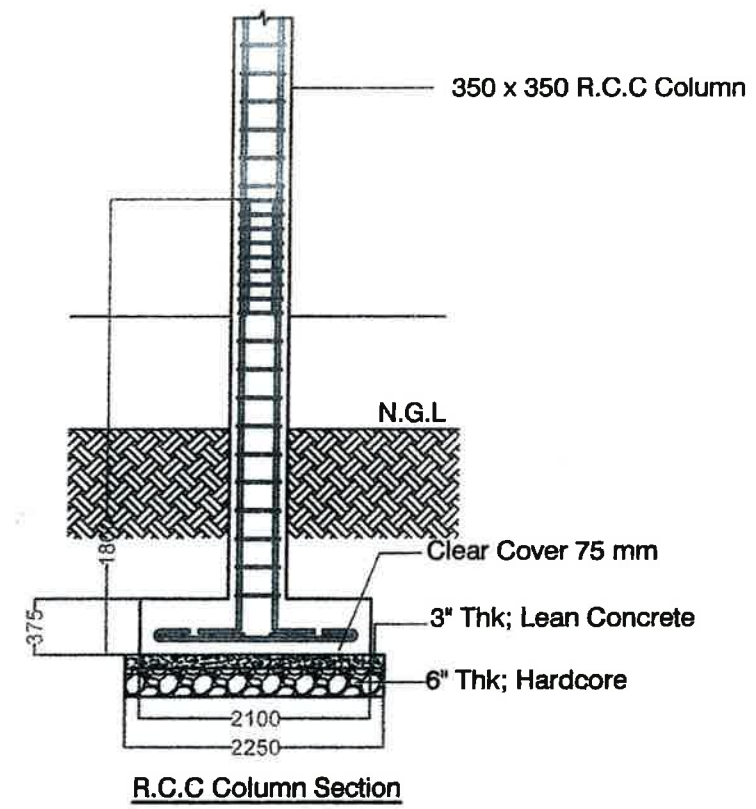
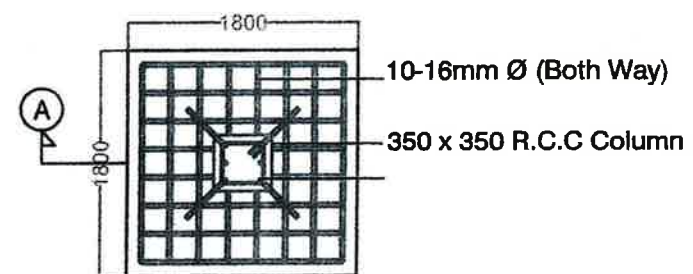
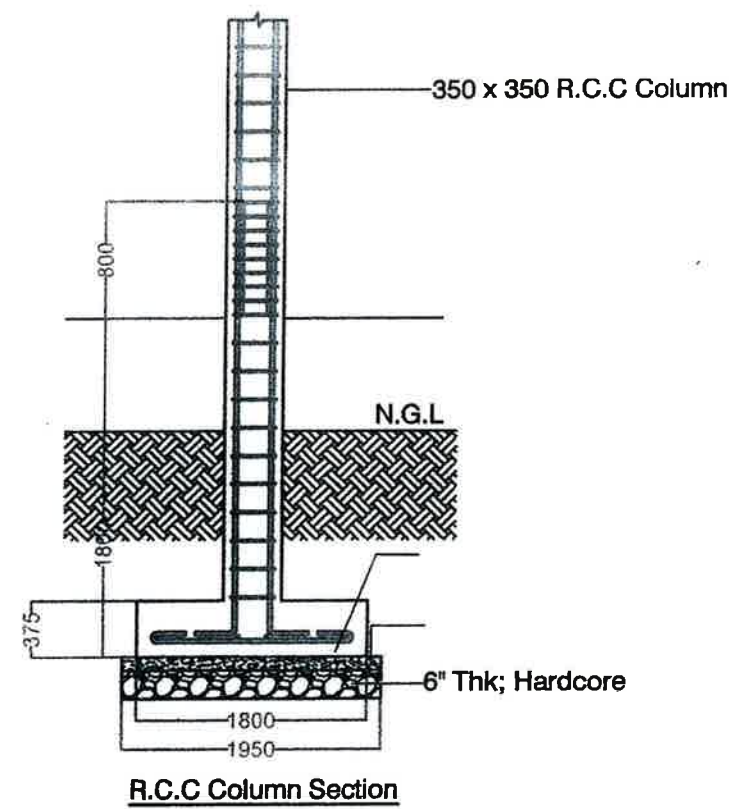
PLINTH BEAM SCHEDULE

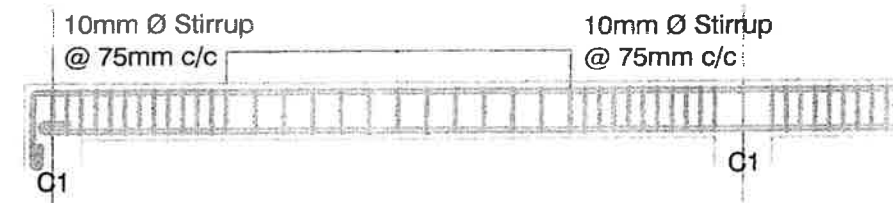
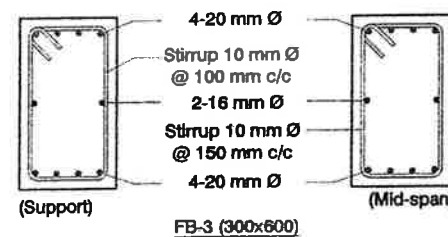
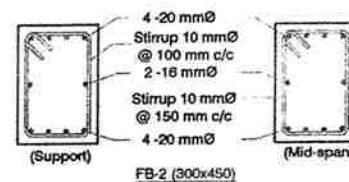
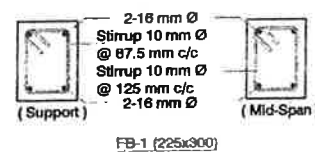
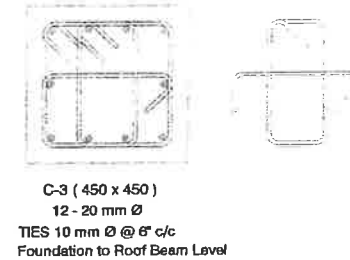
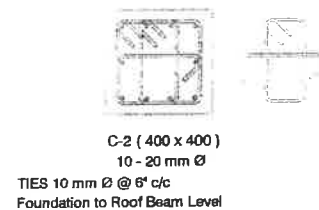
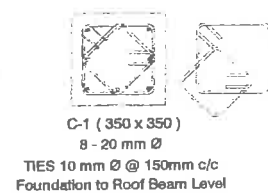
TYPE	SIZE	SUPPORTS		MIDDLE		Torsion Steels	STIRRUP		CLEAR COVER
		TOP	BOTTOM	TOP	BOTTOM		within 2h	Mid-Span	
PB-1	225 mm x 300 mm	2 - 16mm Ø	2 - 16mm Ø	2 - 16mm Ø	2 - 16mm Ø	-	10mm Ø @ 87.5 mm c/c	10mm Ø @ 125 mm c/c	37.5 mm
PB-2	300 mm x 450 mm	4 - 20mm Ø	4 - 20mm Ø	4 - 20mm Ø	4 - 20mm Ø	2 - 16mm Ø	10mm Ø @ 100 mm c/c	10mm Ø @ 150 mm c/c	37.5 mm
PB-3	300 mm x 600 mm	4 - 20mm Ø	4 - 20mm Ø	4 - 20mm Ø	4 - 20mm Ø	2 - 16mm Ø	10mm Ø @ 100 mm c/c	10mm Ø @ 150 mm c/c	37.5 mm

TYPE	SIZE	SUPPORTS		MIDDLE		Torsion Steels	STIRRUP		CLEAR COVER
		TOP	BOTTOM	TOP	BOTTOM		within 2h	Mid-Span	
FB-1	225 mm x 300 mm	2 - 16mm Ø	2 - 16mm Ø	2 - 16mm Ø	2 - 16mm Ø	-	10mm Ø @ 87.5 mm c/c	10mm Ø @ 125 mm c/c	37.5 mm
FB-2	300 mm x 450 mm	4 - 20mm Ø	4 - 20mm Ø	4 - 20mm Ø	4 - 20mm Ø	2 - 16mm Ø	10mm Ø @ 100 mm c/c	10mm Ø @ 150 mm c/c	37.5 mm
FB-3	300 mm x 600 mm	4 - 20mm Ø	4 - 20mm Ø	4 - 20mm Ø	4 - 20mm Ø	2 - 16mm Ø	10mm Ø @ 100 mm c/c	10mm Ø @ 150 mm c/c	37.5 mm

TYPE	SIZE	SUPPORTS		MIDDLE		Torsion Steels	STIRRUP		CLEAR COVER
		TOP	BOTTOM	TOP	BOTTOM		within 2h	Mid-Span	
RB-1	225 mm x 300 mm	2 - 16mm Ø	2 - 16mm Ø	2 - 16mm Ø	2 - 16mm Ø	-	10mm Ø @ 87.5 mm c/c	10mm Ø @ 125 mm c/c	37.5 mm
RB-2	300 mm x 450 mm	4 - 20mm Ø	4 - 20mm Ø	4 - 20mm Ø	4 - 20mm Ø	2 - 16mm Ø	10mm Ø @ 100 mm c/c	10mm Ø @ 150 mm c/c	37.5 mm
RB-3	300 mm x 600 mm	4 - 20mm Ø	4 - 20mm Ø	4 - 20mm Ø	4 - 20mm Ø	2 - 16mm Ø	10mm Ø @ 100 mm c/c	10mm Ø @ 150 mm c/c	37.5 mm

TYPE	THICKNESS	LOCATION	MIDDLE		SUPPORTS			CLEAR COVER	REMARK
			TOP	BOTTOM	BOTTOM	TOP CONTINUOUS	TOP DISCONTINUE		
S-1	100 mm	SHORTER SPAN	10mm Ø @ 175 mm c/c	10mm Ø @ 175 mm c/c	10mm Ø @ 175 mm c/c	10mm Ø @ 175 mm c/c	10mm Ø @ 175 mm c/c	25 mm	General Arrangement (See Detail Arrangement Plan) Floor Slab
		LONGER SPAN	10mm Ø @ 175 mm c/c	10mm Ø @ 175 mm c/c	10mm Ø @ 175 mm c/c	10mm Ø @ 175 mm c/c	10mm Ø @ 175 mm c/c		
S-2	100 mm	SHORTER SPAN	10mm Ø @ 175 mm c/c	10mm Ø @ 175 mm c/c	10mm Ø @ 175 mm c/c	10mm Ø @ 175 mm c/c	10mm Ø @ 175 mm c/c	25 mm	General Arrangement (See Detail Arrangement Plan) Floor Slab
		LONGER SPAN	10mm Ø @ 175 mm c/c	10mm Ø @ 175 mm c/c	10mm Ø @ 175 mm c/c	10mm Ø @ 175 mm c/c	10mm Ø @ 175 mm c/c		
Landing Slab	100 mm	MAIN SPAN	12mm Ø @ 87.5 mm c/c	12mm Ø @ 87.5 mm c/c	12mm Ø @ 87.5 mm c/c	12mm Ø @ 87.5 mm c/c	12mm Ø @ 87.5 mm c/c	25 mm	General Arrangement (See Detail Arrangement Plan) Ground to Fourth Floor
		DISTRIBUTION	Distribution Steel 10mm Ø @ 150 mm c/c for Top & Bottom Layers						
Stair	150 mm	MAIN SPAN	12mm Ø @ 87.5 mm c/c	12mm Ø @ 87.5 mm c/c	12mm Ø @ 87.5 mm c/c	12mm Ø @ 87.5 mm c/c	12mm Ø @ 87.5 mm c/c	25 mm	General Arrangement (See Detail Arrangement Plan) Ground to Fourth Floor
		DISTRIBUTION	Distribution Steel 10mm Ø @ 150 mm c/c for Top & Bottom Layers						





Notes :

For Piles

f_{cu} = 5075 psi. (G-35) 28days cube strength

f_c = 4000 psi.

f_y = 50000 psi.

For Others

f_{cu} = 3625 psi. (G-25) 28days cube strength

f_c = 2827 psi.

f_y = 60000 psi.

CONCRETE CLEAR COVER

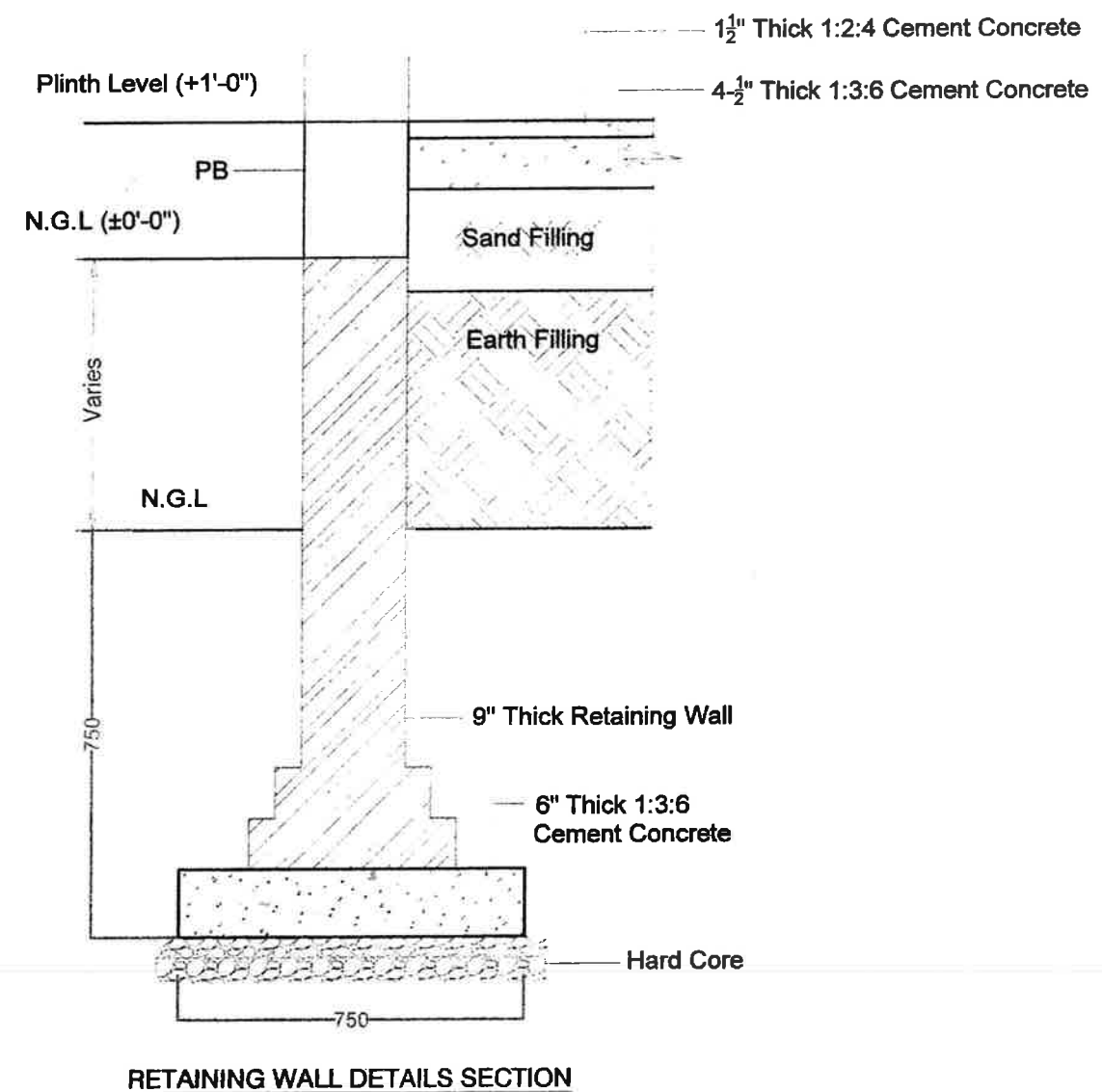
FOR FOOTING = 3"

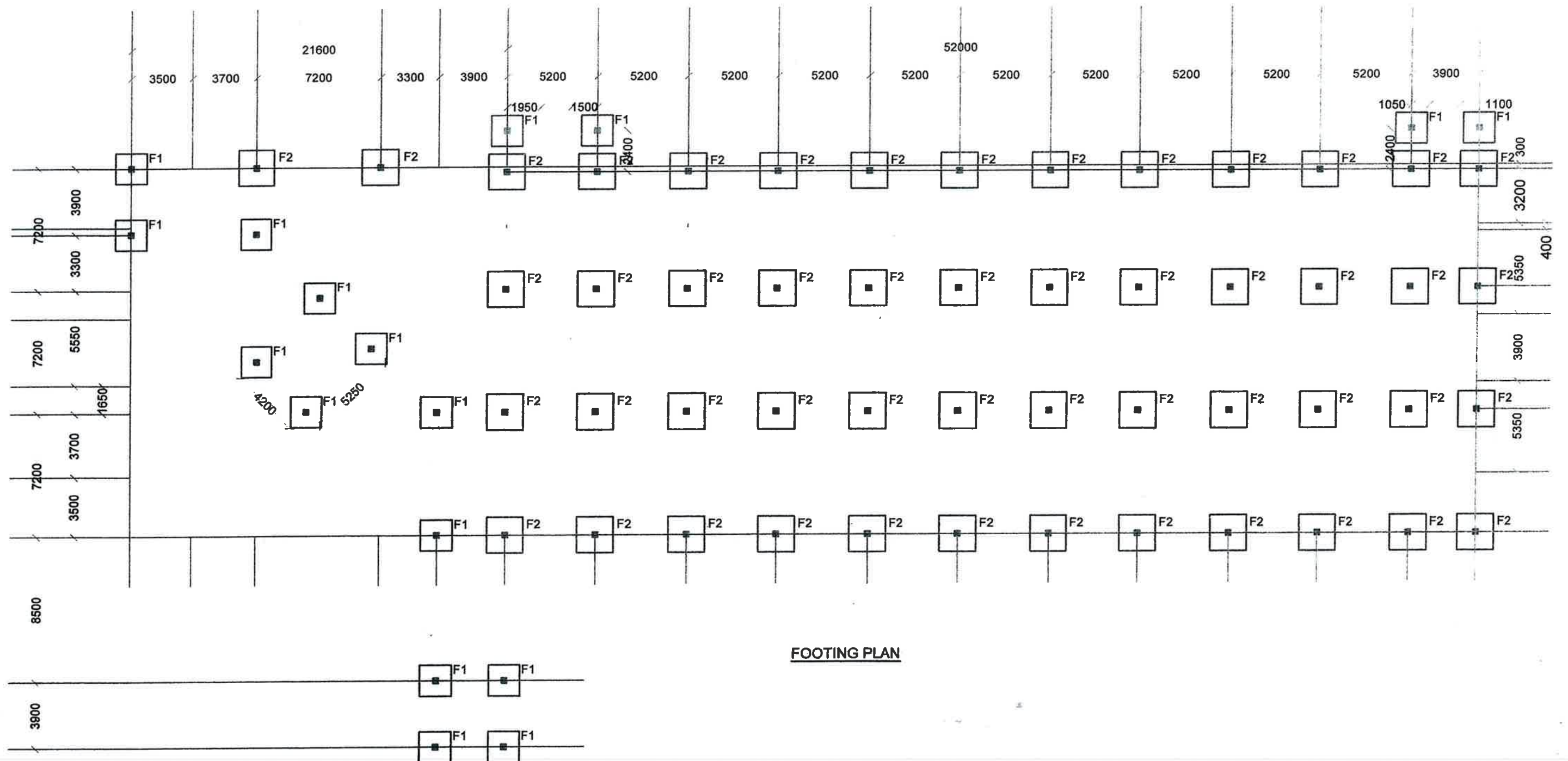
FOR COLUMN = 1.5" & 2"

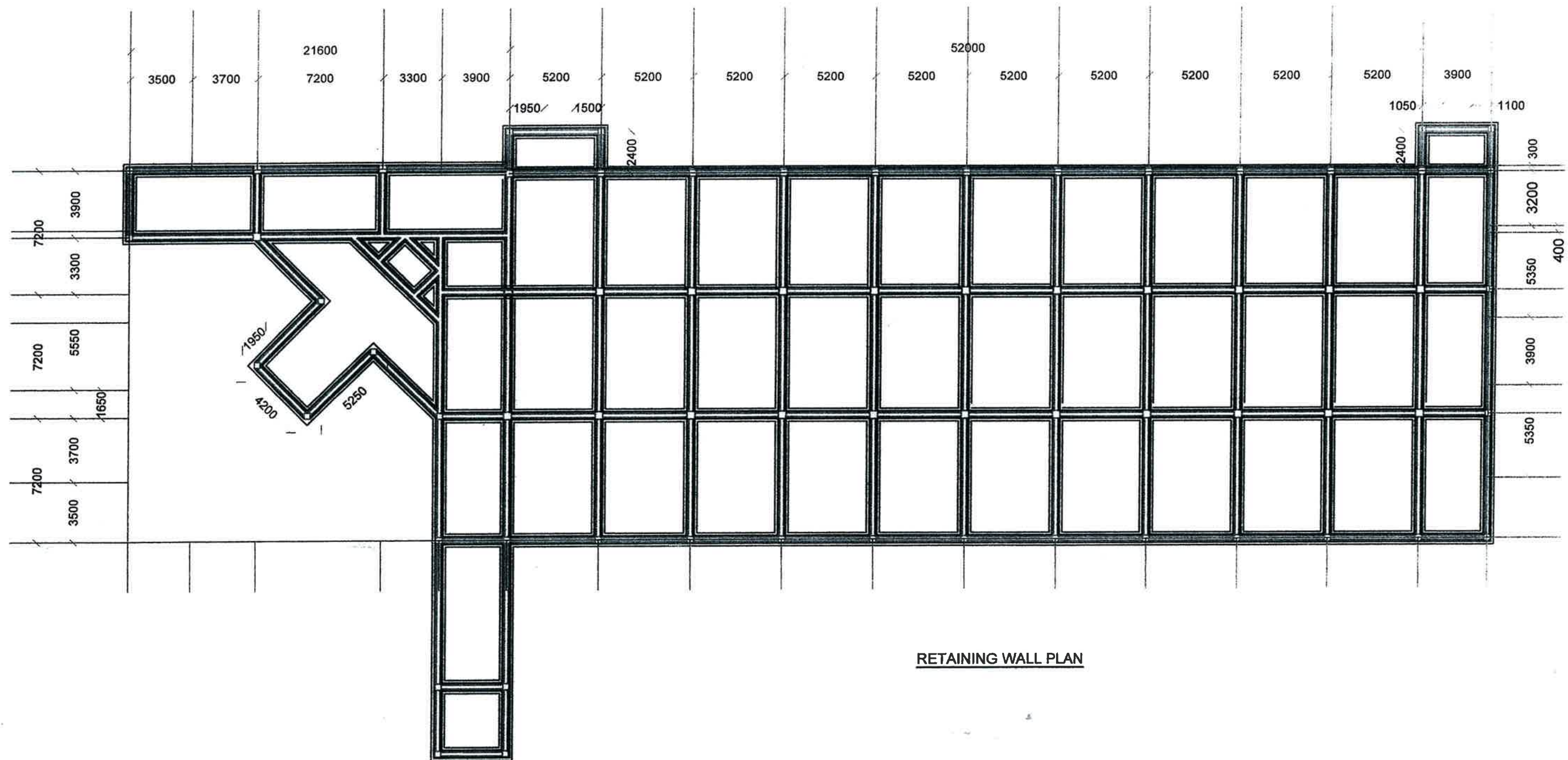
FOR BEAM = 1.5"

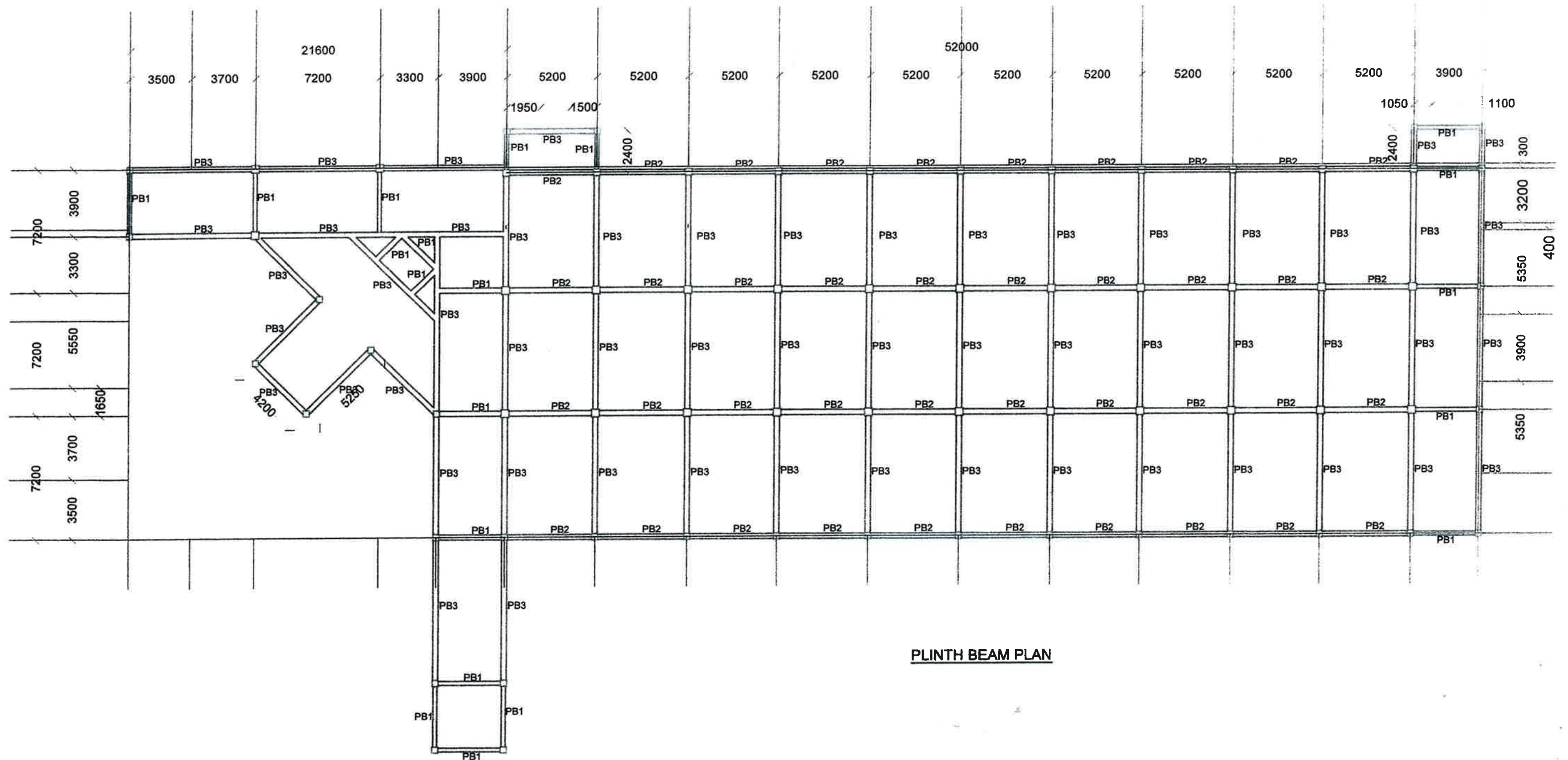
FOR FLOOR SLAB = 0.75" & 1"

FOR R.C.C. WALL = 2"

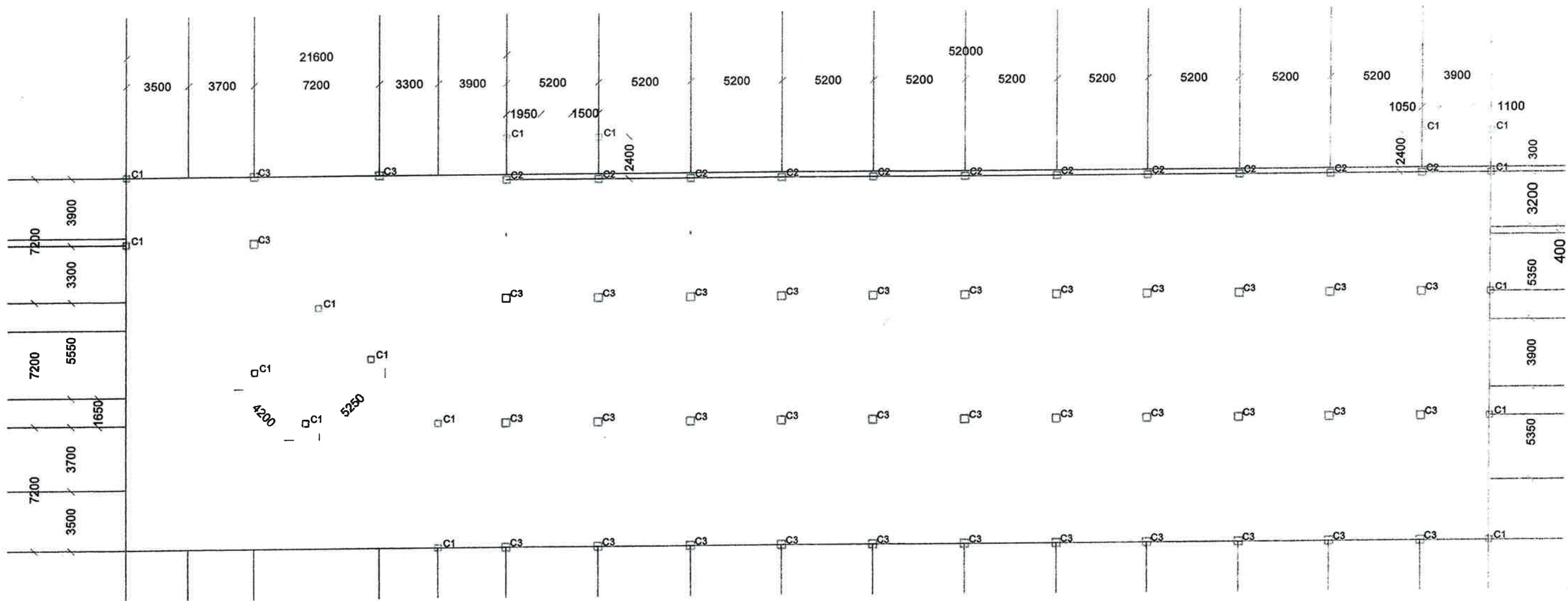






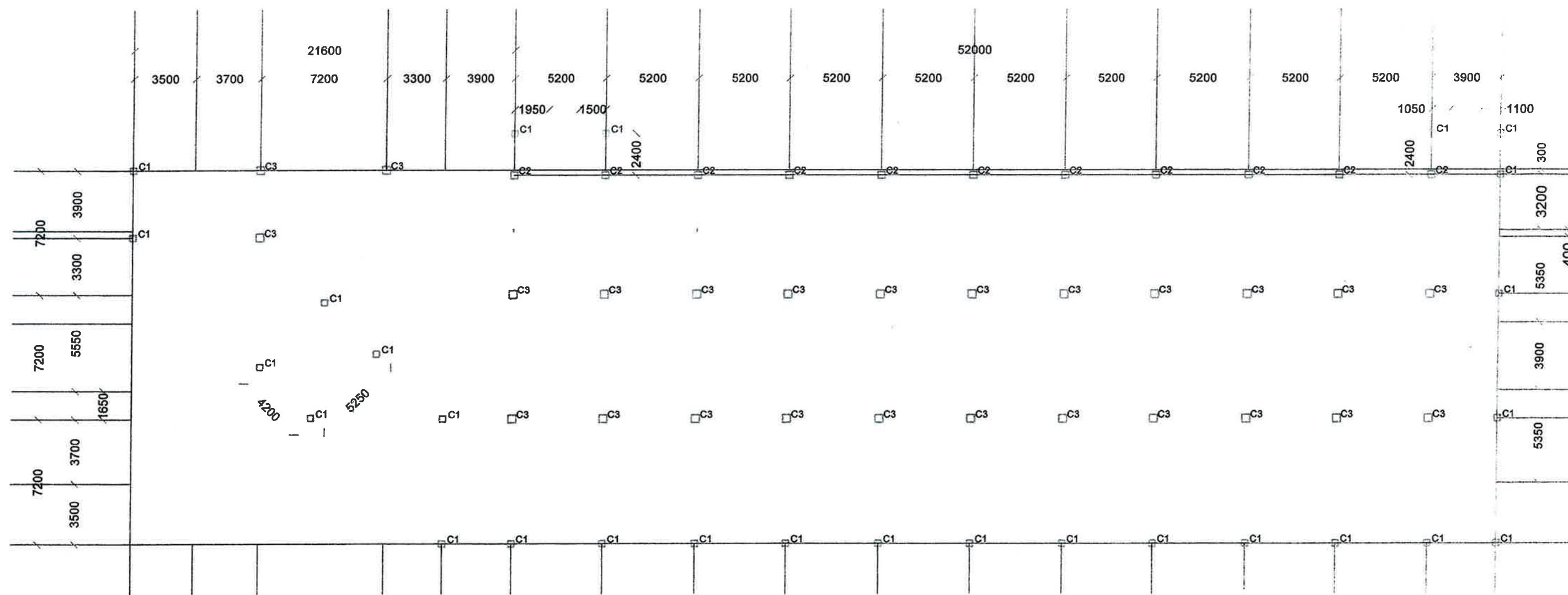


PLINTH BEAM PLAN



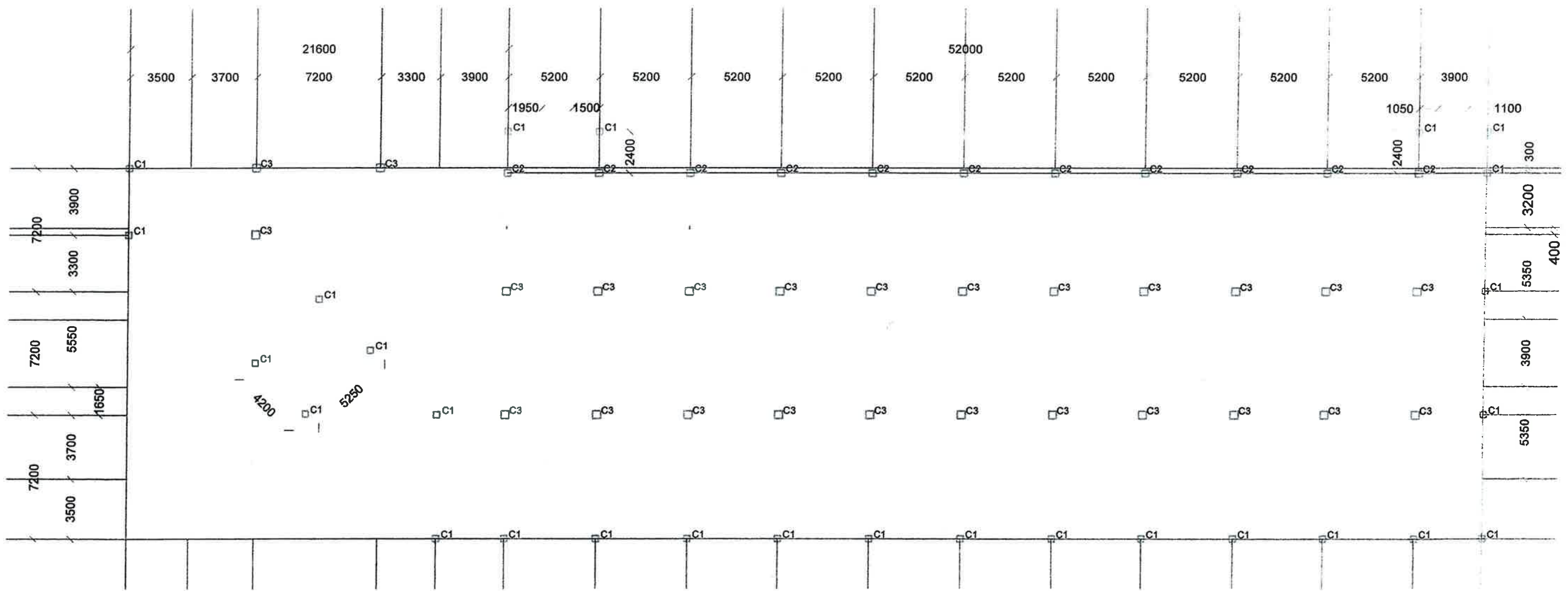
FOOTING TO GROUND FLOOR COLUMN PLAN

□ C1 □ C1
 □ C1 □ C1



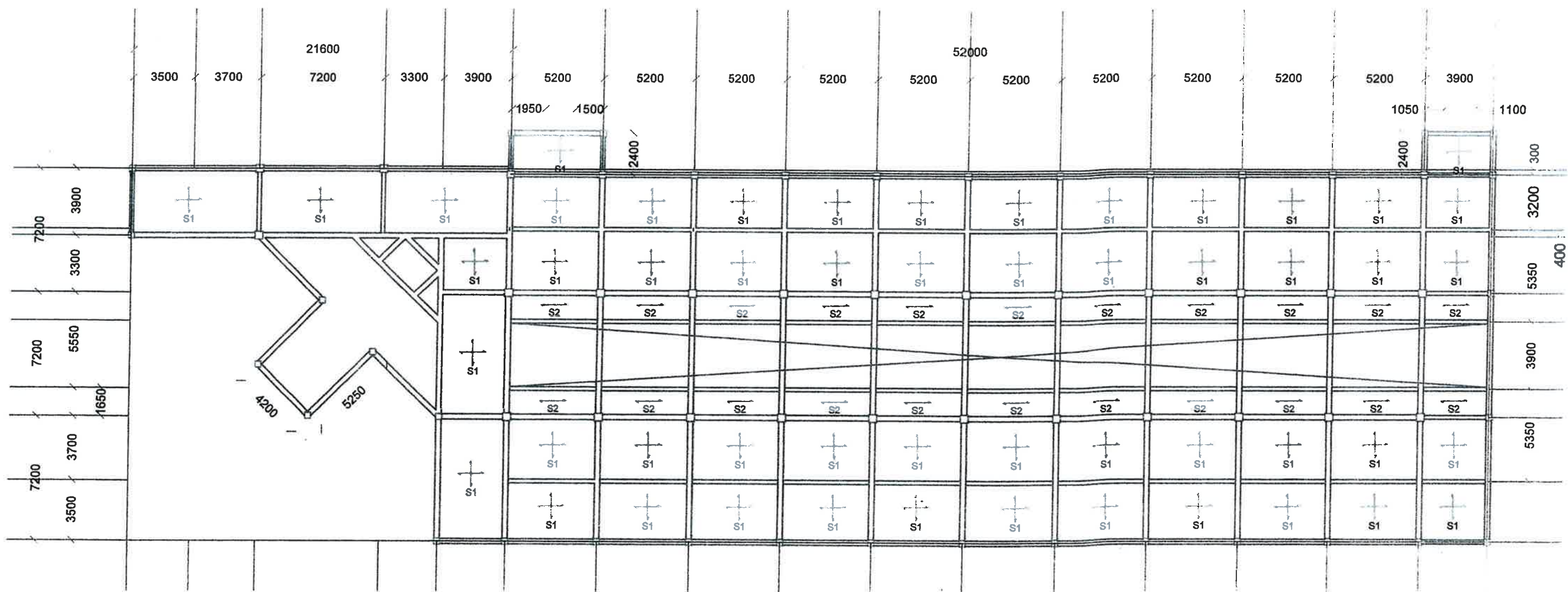
GROUND FLOOR TO FIRST FLOOR COLUMN PLAN

C1 C1
C1 C1



FIRST FLOOR TO ROOF COLUMN PLAN

□C1 □C1
□C1 □C1



FLOOR SLAB PLAN

