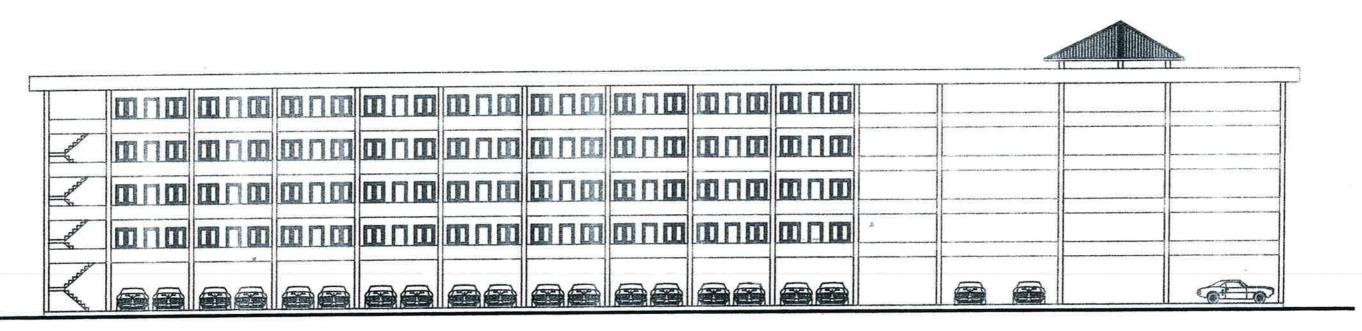
Public Housing
Low cost
20 units 5 Storeyed Building

ARCHITECTURAL DRAWINGS STRUCTURAL DRAWINGS



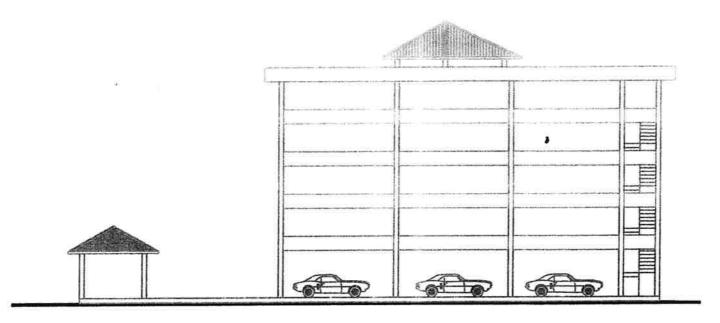


FRONT ELEVATION



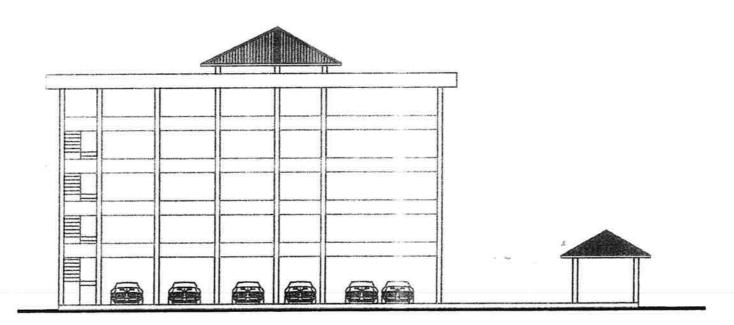
BACK ELEVATION

NO9 41512018



LEFT ELEVATION

1.6.17



RIGHT ELEVATION

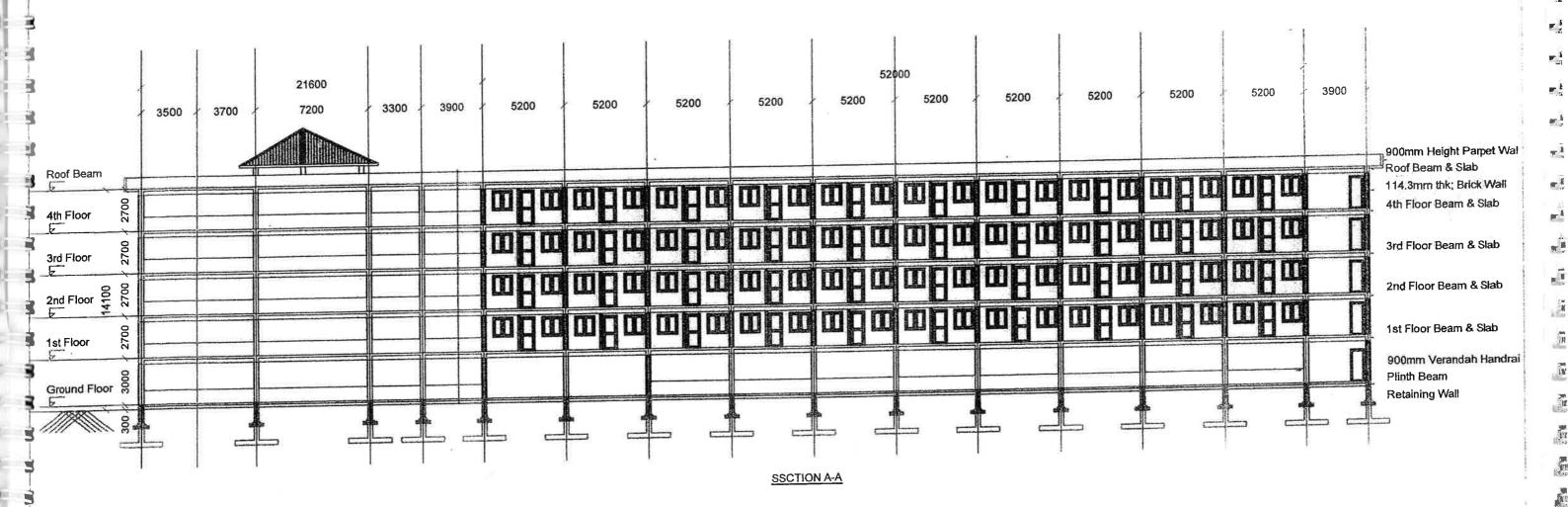
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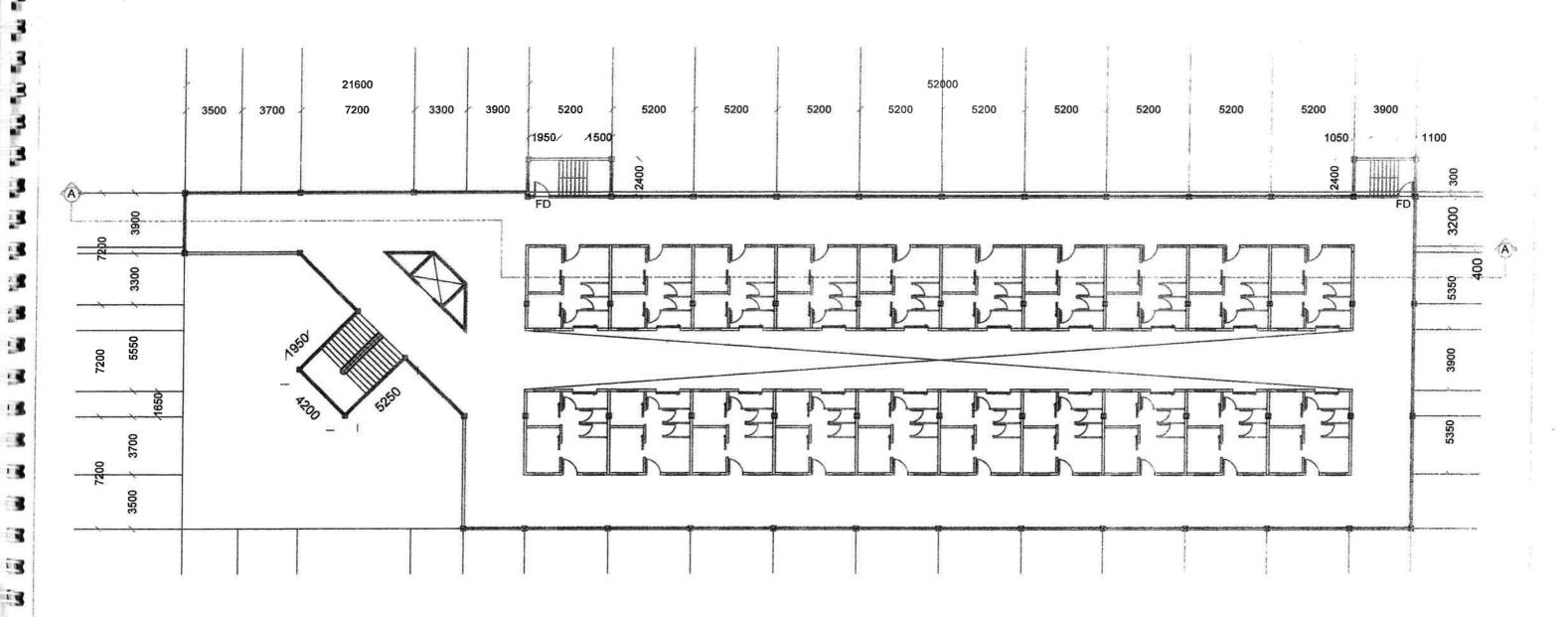
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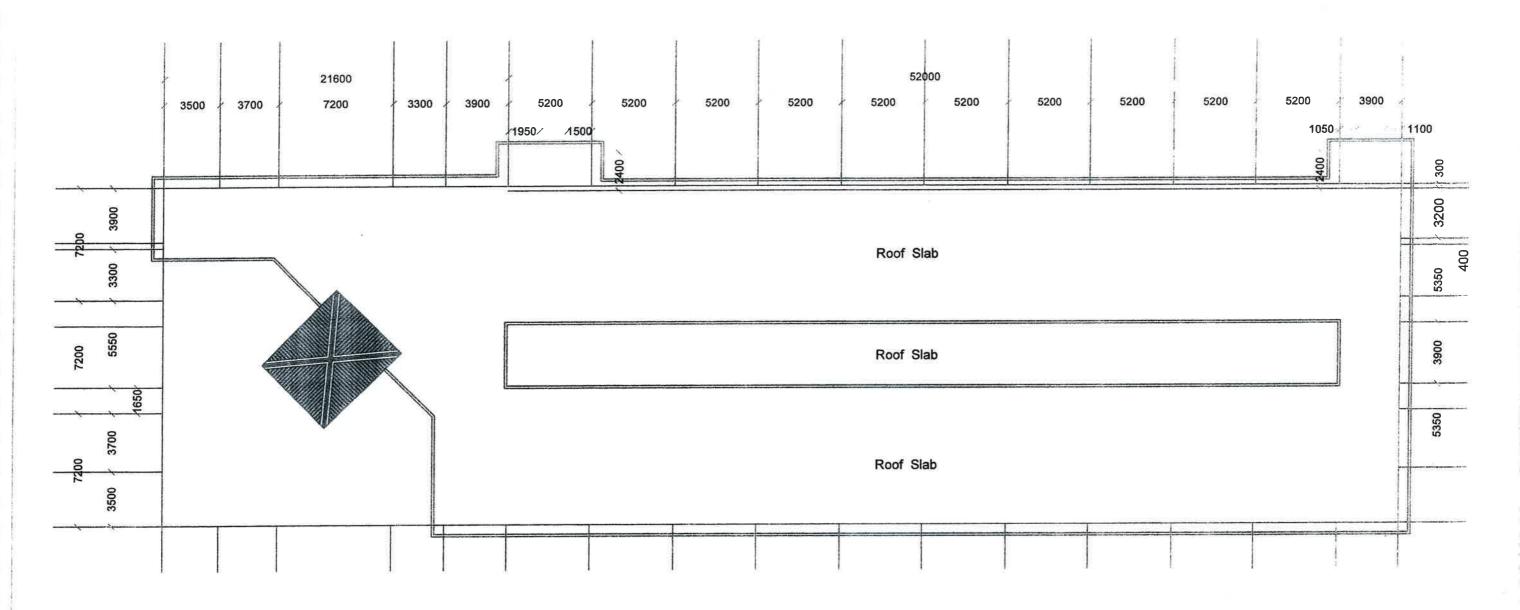
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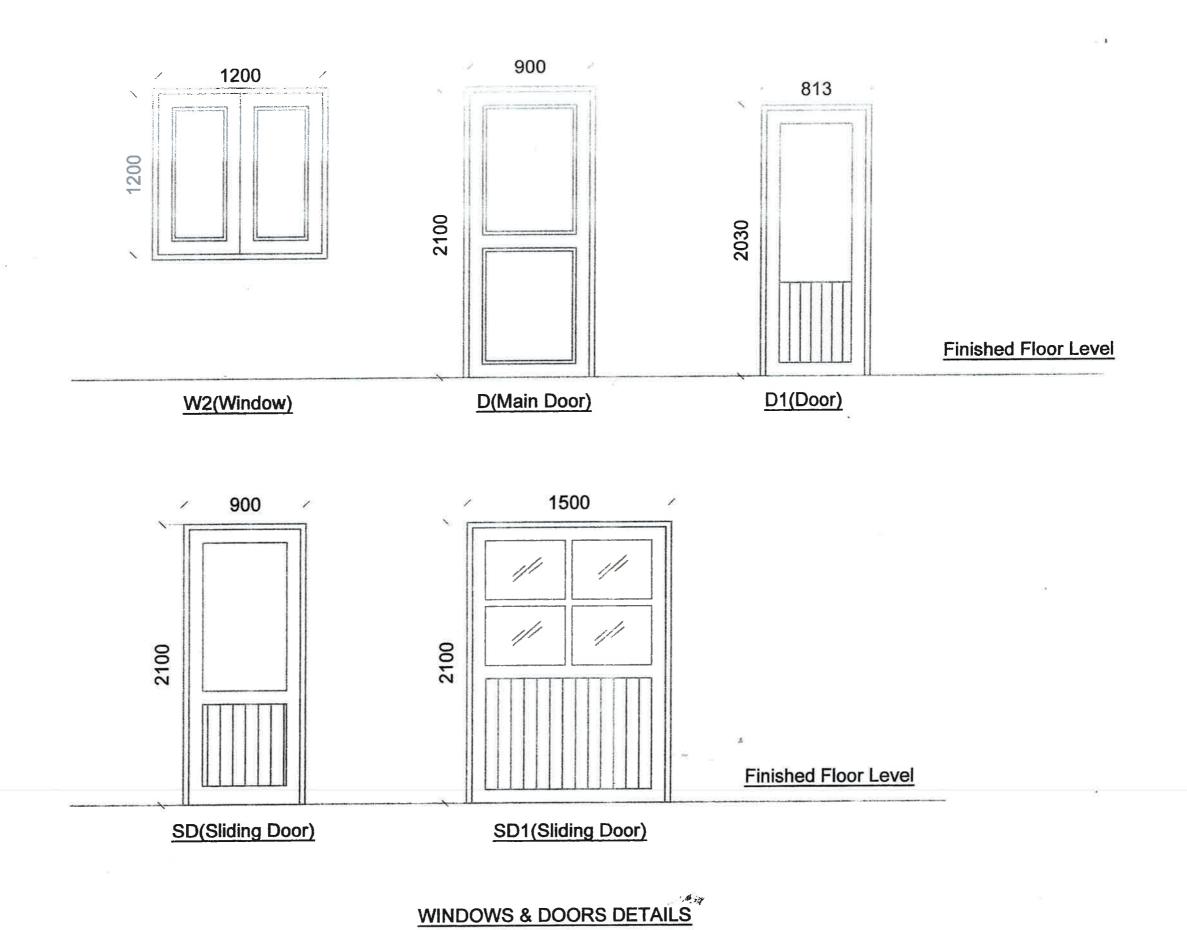


TYPICAL FLOOR PLAN



TOP ROOF PLAN

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5350 5350 3000 2350 3000 2350 X Double Bed Room Single Bed Room Single Bed Room Bed Room Double 2250 2250 \$ ₩2 **%**2 **W**2 SD SD SD 5200 5200 1150 SD 1150 Living/Dinning 7 Living/Dinning ard/Kitchen SD1 SD1 ard/Kitchen $\vec{\Delta}$ À C 1800 \ (C) (C) 1800 Shower Shower **%**2 82 \odot 900 2350 900 900 1200 1200 900 2350

TYPICAL FLOOR PLAN

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FOOTING SCHEDULE

Transit Worker Band	SIZE		REINFOF	RCEMENT	DEMARK	CLEAR COVER	
TYPE		DEPTH	PARALLEL TO SHORT SIDE	PARALLEL TO LONG SIDE	REMARK		
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

7.05	0175	REINFOF	RCEMENT	REMARK	CLEAR COVER		
TYPE	SIZE	MAIN					
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

77.775	SIZE	SUPPORTS		MID	DLE	Torsion Steels	STIF	CLEAR COVER	
TYPE		TOP	воттом	ТОР	воттом	Torsion Steers	within 2h	Mid-Span	322 337211
PB-1	225 mm x 300 mm	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	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	2 - 16mm Ø	10mm Ø @ 100 mm c/c	10mm Ø @ 150 mm c/c	37.5 mm			

FLOOR BEAM SCHEDULE

	SIZE	SUPPORTS		MID	DLE	Terries Stools	STIF	CLEAR COVER	
TYPE		TOP	воттом	ТОР	воттом	Torsion Steels	within 2h	Mid-Span	
FB-1	225 mm x 300 mm	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	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	2 - 16mm Ø	10mm Ø @ 100 mm c/c	10mm Ø @ 150 mm c/c	37.5 mm			

ROOF BEAM SCHEDULE

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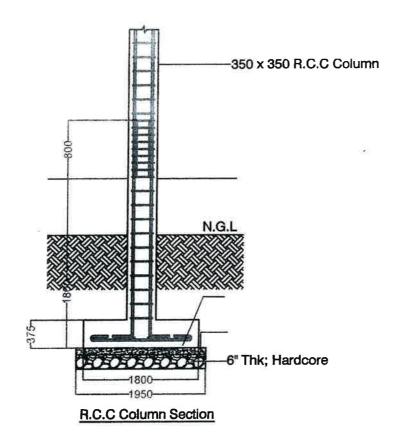
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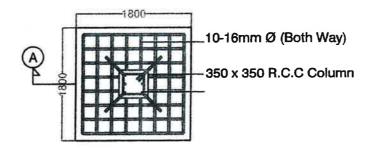
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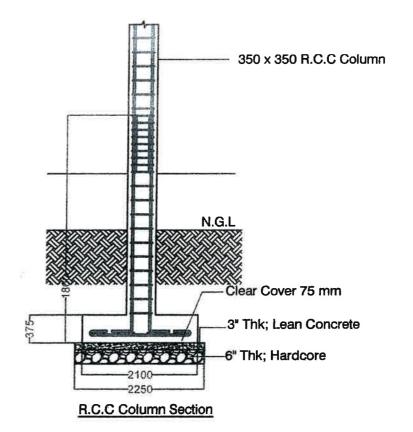
	SIZE -	SUPPORTS		MID	DLE	Torsion Steels	STIR	CLEAR COVER	
TYPE		TOP	воттом	ТОР	воттом	Torsion Steels	within 2h	Mid-Span	
RB-1	225 mm x 300 mm	2 - 16mm Ø	•	10mm Ø @ 87.5 mm c/c	10mm Ø @ 125 mm c/c	37.5 mm			
RB-2	300 mm x 450 mm	4 - 20mm Ø	2 - 16mm Ø	10mm Ø @ 100 mm c/c	10mm Ø @ 150 mm c/c	37.5 mm			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

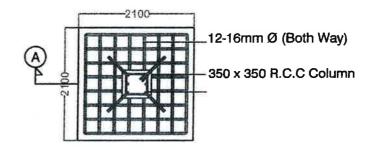
SLAB, Wall & STAIR SCHEDULE

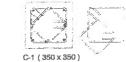
		LOCATION	MID	DLE		SUPPORTS		CLEAR COVER	REMARK	
TYPE	THICKNESS		TOP	воттом	воттом	TOP CONTINUOUS	TOP DISCONTINUE	CLEAR COVER	HEIMARK	
		SHORTER SPAN	10mm Ø @ 175 mm c/	c 10mm Ø @ 175 mm c/c	10mm Ø @ 175 mm	c/c:10mm Ø @ 175 mm c/c	10mm Ø @ 175 mm c/c	QE mm	General Arrangement (See Detail Arrangement Plan Floor Slab	
S-1	100 mm	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	25 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)	
S-2	100 mm	LONGER SPAN	10mm Ø @ 175 mm c/	c 10mm Ø @ 175 mm c/c		Floor Slab				
Londina		MAIN SPAN	12mm Ø @ 87.5 mm c/	/c12mm Ø @ 87.5 mm c/c	12mm Ø @ 87.5 mm	c/c12mm Ø @ 87.5 mm c/c	:12mm Ø @ 87.5 mm c/c	25 mm	General Arrangement (See Detail Arrangement Plan)	
Landing Slab	100 mm	DISTRIBUTION		Distribution Steel 10r	20 11111	Ground to Fourth Floor				
		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)	
Stair	150 mm	DISTRIBUTION		Distribution Steel 10r	20 111111	Ground to Fourth Floor				











8 - 20 mm Ø TIES 10 mm Ø @ 150mm c/c Foundation to Roof Beam Level

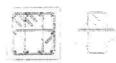
H-H-H-H-H

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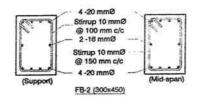
C-2 (400 x 400) 10 - 20 mm Ø TIES 10 mm Ø @ 6º c/c Foundation to Roof Beam Level

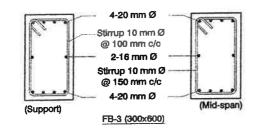


C-3 (450 x 450) 12 - 20 mm Ø TIES 10 mm Ø @ 6" c/c



FB-1 (225x300)





Notes:

For Piles

fcu = 5075 psi. (G-35) 28days cube strength

fc = 4000 psi.

fy = 50000 psi.

For Others

fcu = 3625 psi. (G-25) 28days cube strength

= 3"

fc = 2827 psi.

fy = 60000 psi.

CONCRETE CLEAR COVER

FOR FOOTING

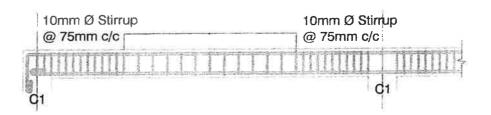
FOR COLUMN

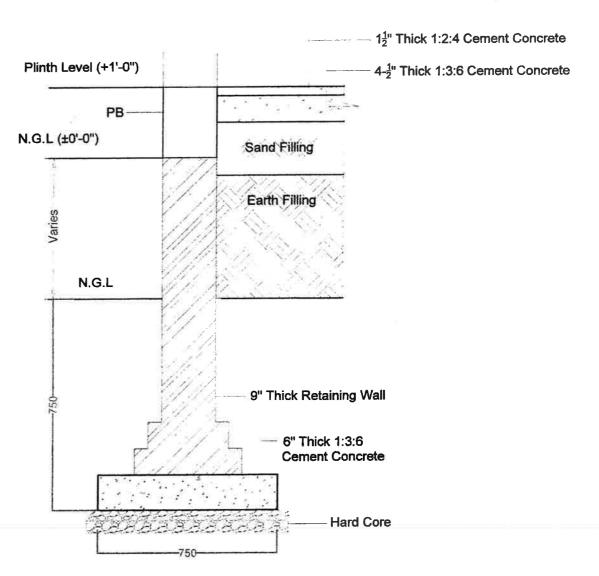
= 1.5" & 2"

FOR BEAM = 1.5"

FOR FLOOR SLAB = 0.75" & 1"

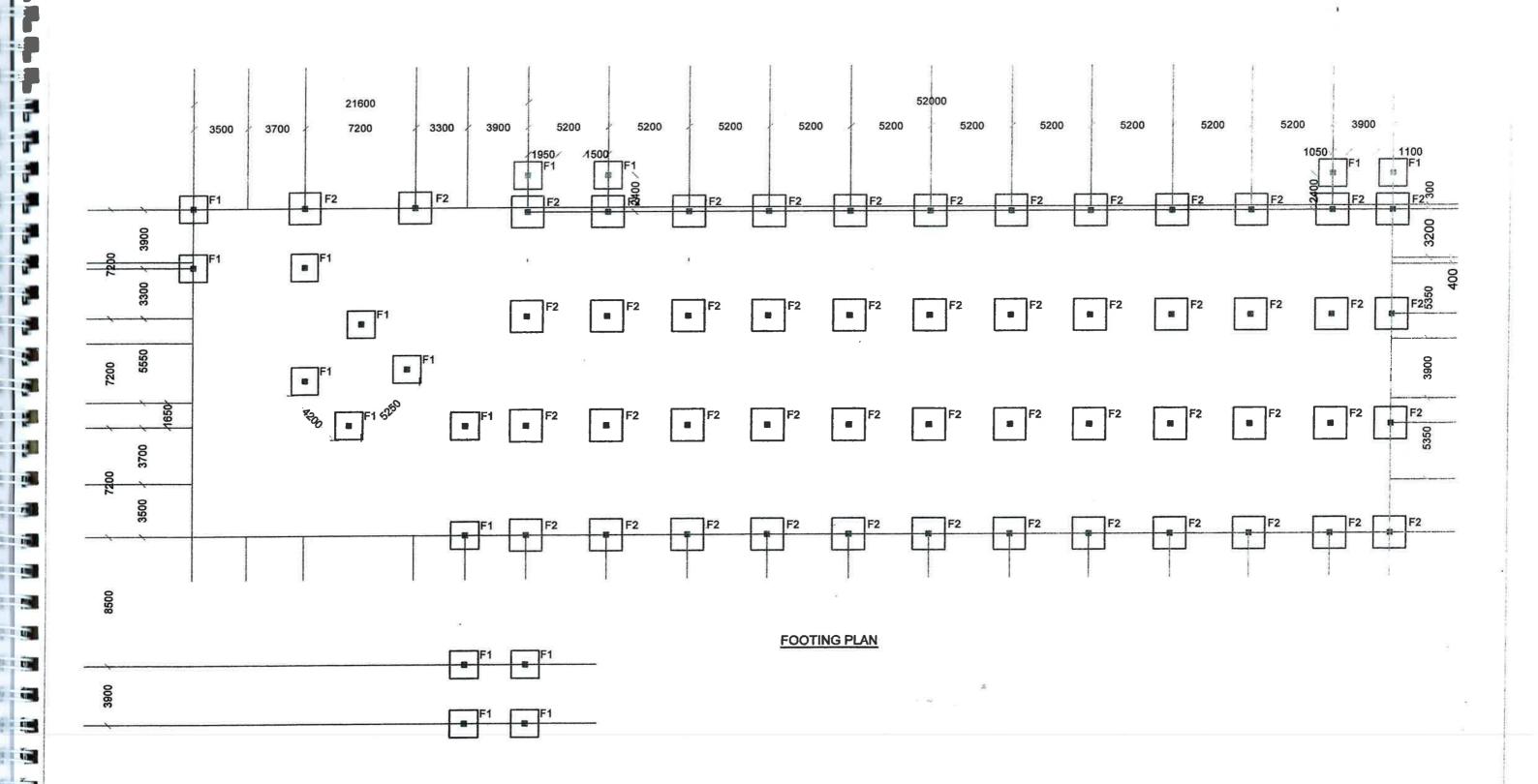
= 2" FOR R.C.C. WALL

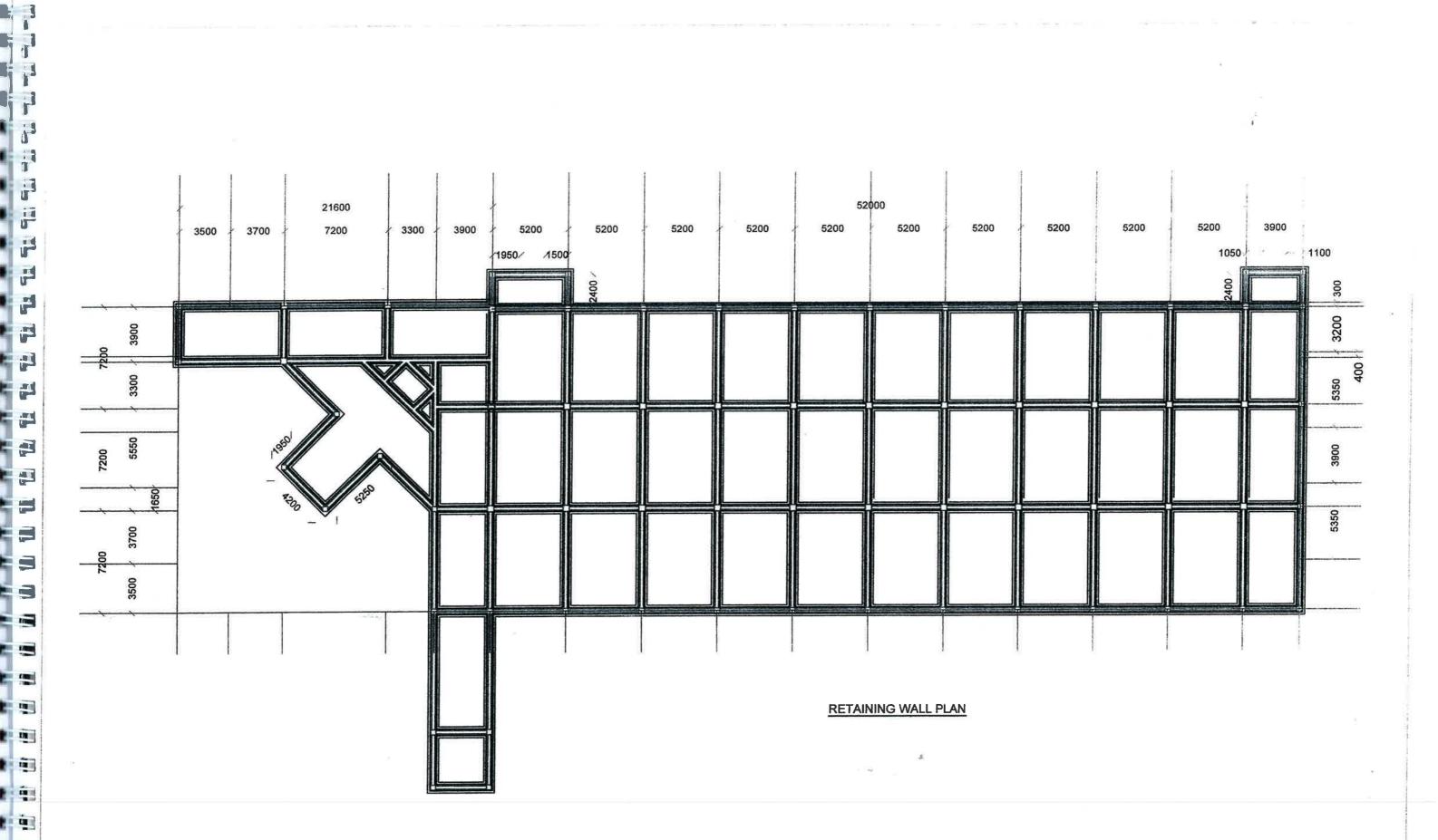




RETAINING WALL DETAILS SECTION

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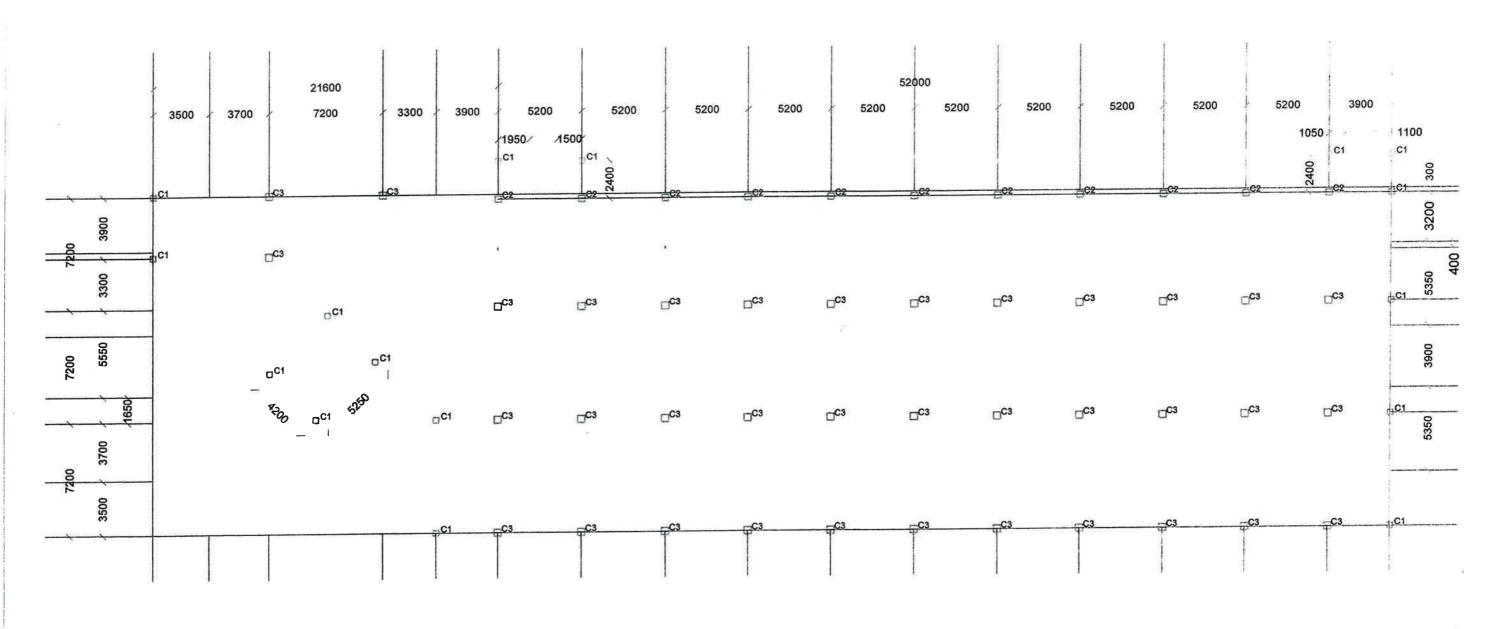




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3300 ∤ 3900 PB1 PB3 PB275 PB1 PB3 PB3 PB3 PB3 PLINTH BEAM PLAN PB1

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FOOTING TO GROUND FLOOR COLUMN PLAN

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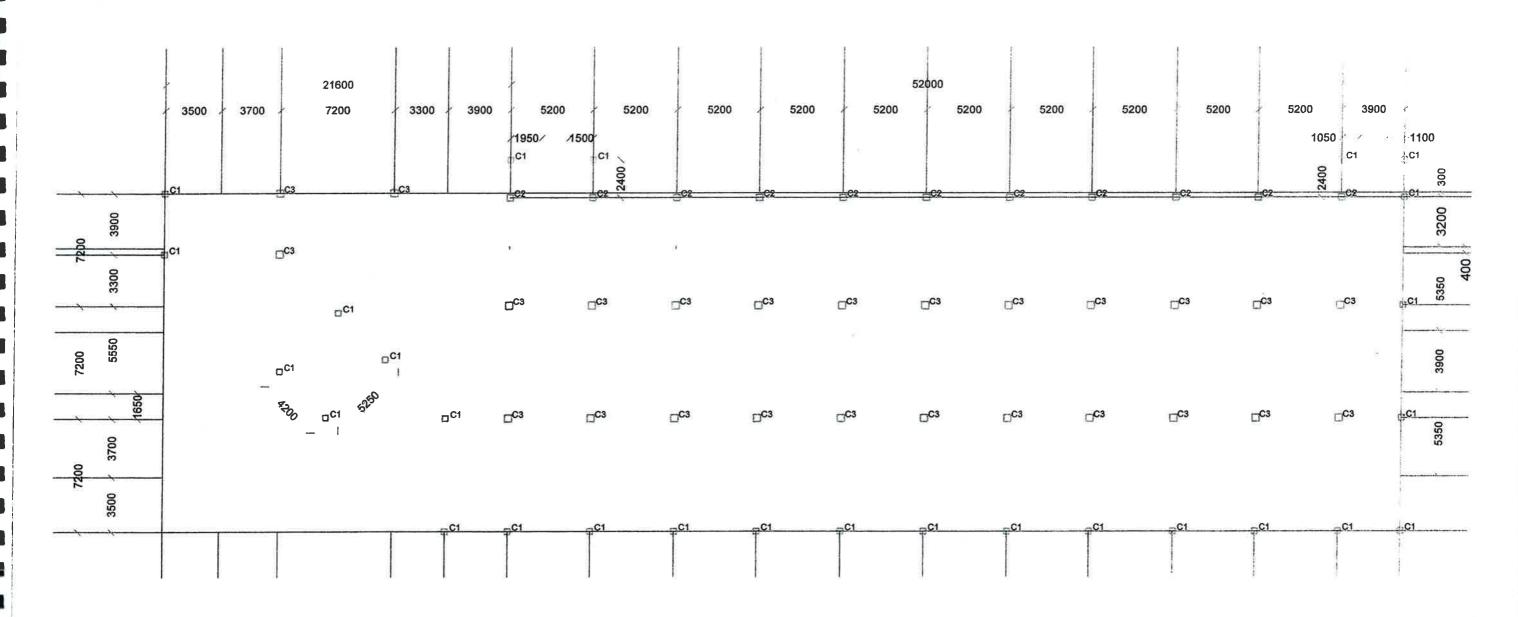
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□C1 □C1

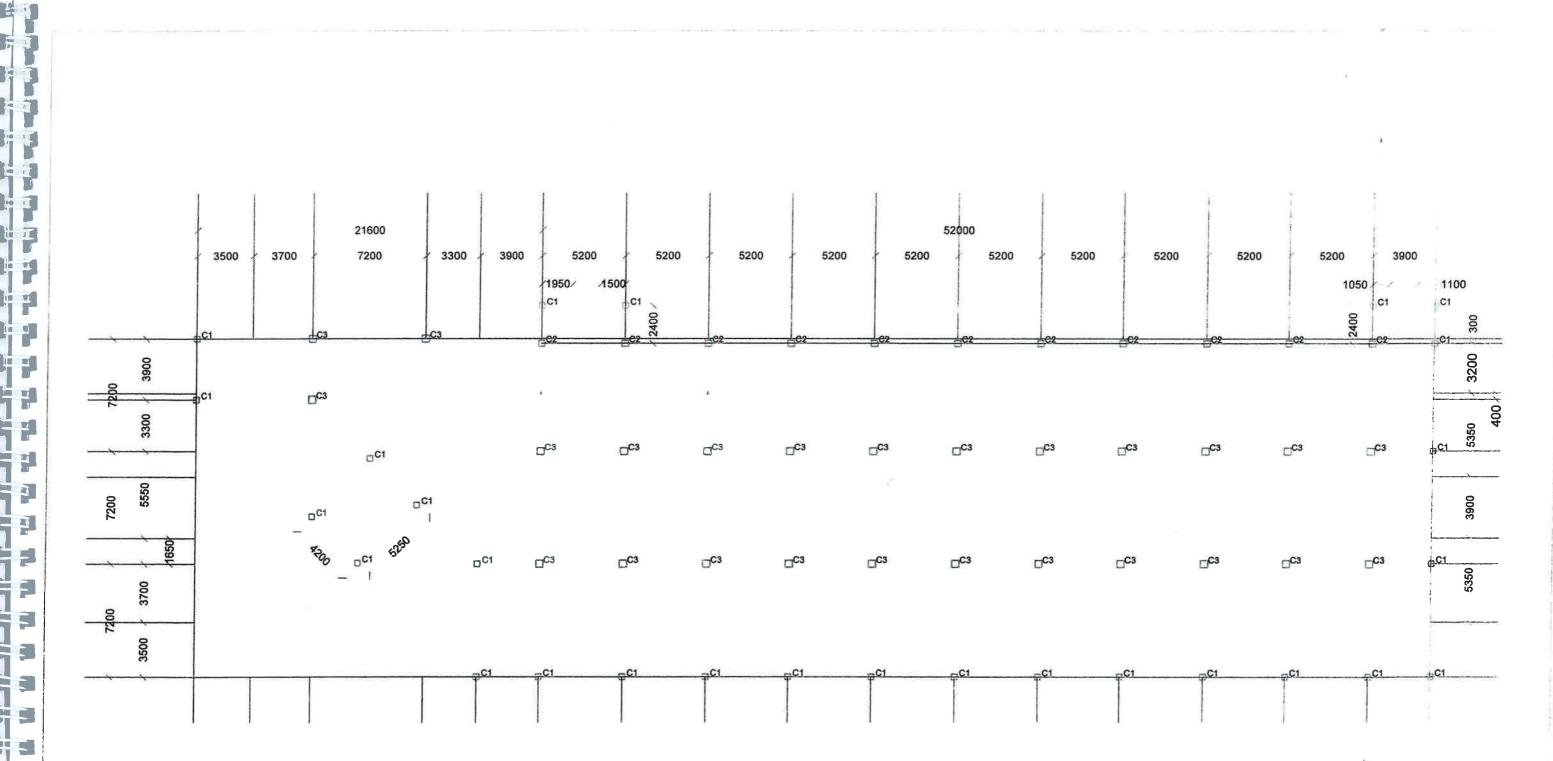
1.5 30



GROUND FLOOR TO FIRST FLOOR COLUMN PLAN

C1 C1

□C1 □C1



FIRST FLOOR TO ROOF COLUMN PLAN

□C1 □C1

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o^{C1} o^{C1}

1.634

3	3500 3700	21600 7200	3300 3900	5200 1950 / 1500	5200	5200	5200	52 5200	000 5200	5200	5200	5200	5200 1050	3900	1100
	FB3	FB3	FB3	FB1 FB3 FB1	2400 EB3	FR2	FR2	FR2	FR2	ER2	EB2	FB2	2400 7400	FB1 FB3	FB3 00
3900	FB1		FB1	FB2 FB1	FB1	FB1	FB1	FB1	FB1	FB1	FB1	FB1	FB1	FB1	3200
3300	FB3	FB3	FB1 FB1	FB3	FB3	FB3	FB3	FB3	FB3	FB3	FB3	FB3	FB3	FB3	5350 400
		FE	FB1	FB2	FB2 FB1	FB2 FB1	FB2 FB1	FB2 FB1	FB2 FB1	FB2 FB1	FB2 FB1	FB2 FB1	FB2 FB1	FB1 FB1	ω
5550		FB3/					FB3		FB3	FB3	FB3	11	FB3	FB3	FB3 0068
1650	ũ -c	FB30	FB3	FB1 FB2	FB1	FB1	FB1 FB2	FB1	FB1 FB2	FB1 FB2	FB1	FB1	FB1	FB1	<u> </u>
3700		- 1		-	FB1	FB1	FB1	FB1	FB1	FB1	FB1	FB1	FB1	FB1	5350
3500			FB3	FB1 FB3		FB3	FB3		FB3		FB3		FB3	FB3	FB3
36			FB1	FB2	FB2	FB2	FB2	FB2	FB2	FB2	FB2	FB2	FB2	FB1	
															F.

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FLOOR BEAM PLAN

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21600 3500 3700 7200 3300 3900 5200 5200 5200 3900 5200 5200 5200 5200 5200 1950/ /1500 1050 1100 2400 3200 S1 S2 S2 S2 \$2 S2 S2 S2 S2 S2 \$1 S2 \$2 S2 S2 S2 S2 S2 S2 S2 S2 S1

FLOOR SLAB PLAN

	3500 3700	21600 7200	3300 > 3900	5200 1950 / 1500	2400 /	5200	5200	52 5200	2000 5200	5200	5200	5200	5200 1050		1100 000
3900	S1	\$1	S1	S1	S1	<u>+</u>	S1	S1	S1		S1	-1 S1	S1	\$1 \$1	3200
3300			+ S1	Str. Str. Str. Str.	81	S1	S1	S1	51	51	\$1	S1	S1	S1	5350
				\$2 	S2	\$2	\$2	\$2 	\$2	\$2	\$2	S2	S2 S2	\$2	
7200	_ ,		\$1												3900
1650	.,	EN SPE		\$2	\$2 \$2	\$2	\$2 		S2	S2 S2	S2	S2	S2	\$2	
3700		- 1	1	51	\$1	S1	S1	S1	S1	<u>1</u> ,	+ s1	S1	S1	St.	5350
3500			Š1	- <u>†</u>		<u>1</u> S1	S1	y	S1	S1	S1	S1	S1	S1	
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ROOF SLAB PLAN

120/4/15/2018

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