

**THE NATIONAL CANCER CENTER**  
ESTABLISHMENT PROJECT IN THE KINGDOM OF SAUDI ARABIA

**BASIC DESIGN**

JAPAN INTERNATIONAL  
COOPERATION AGENCY

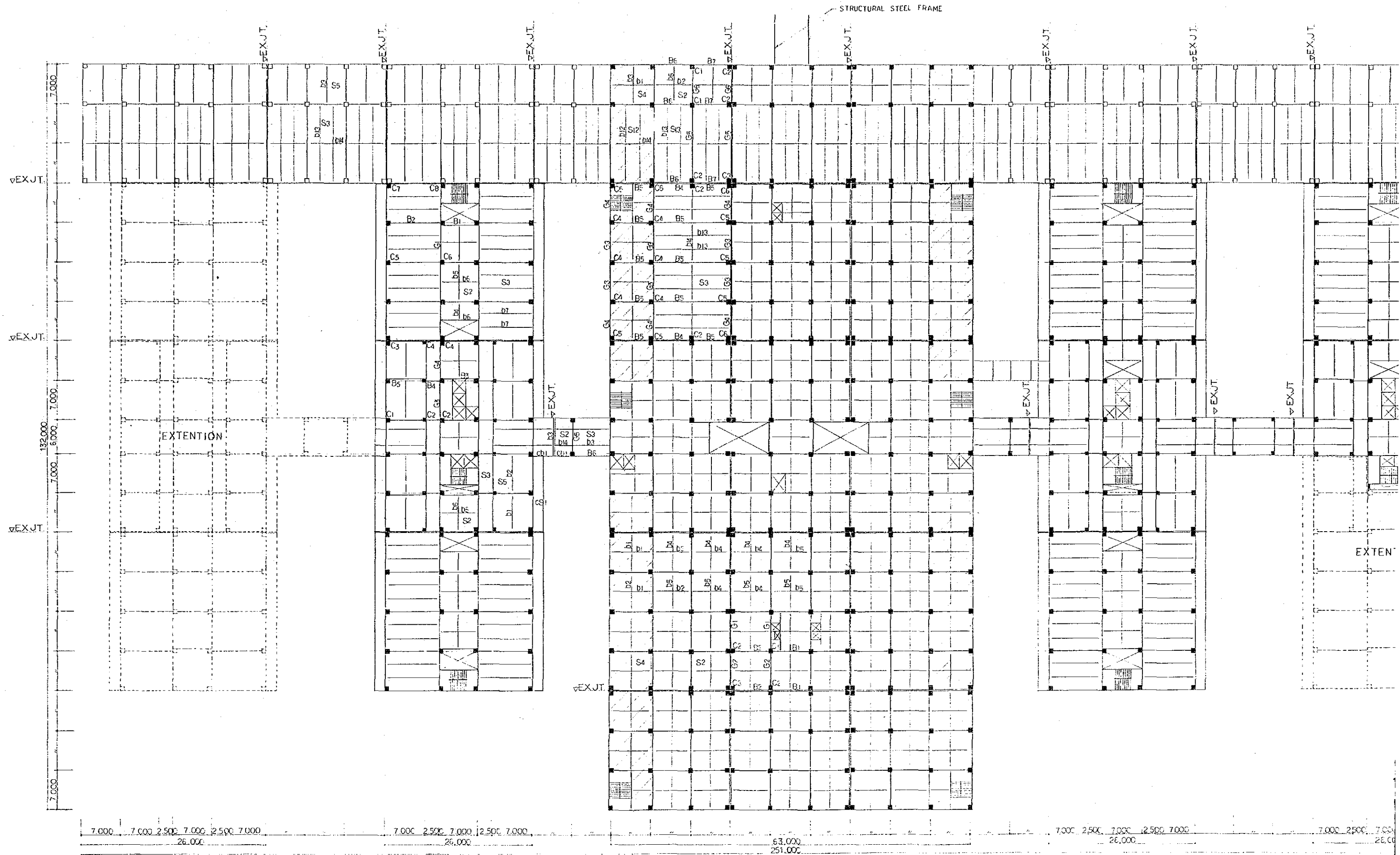
STRUCTURAL

**HOSPITAL 1st FLOOR FRAMING PL**









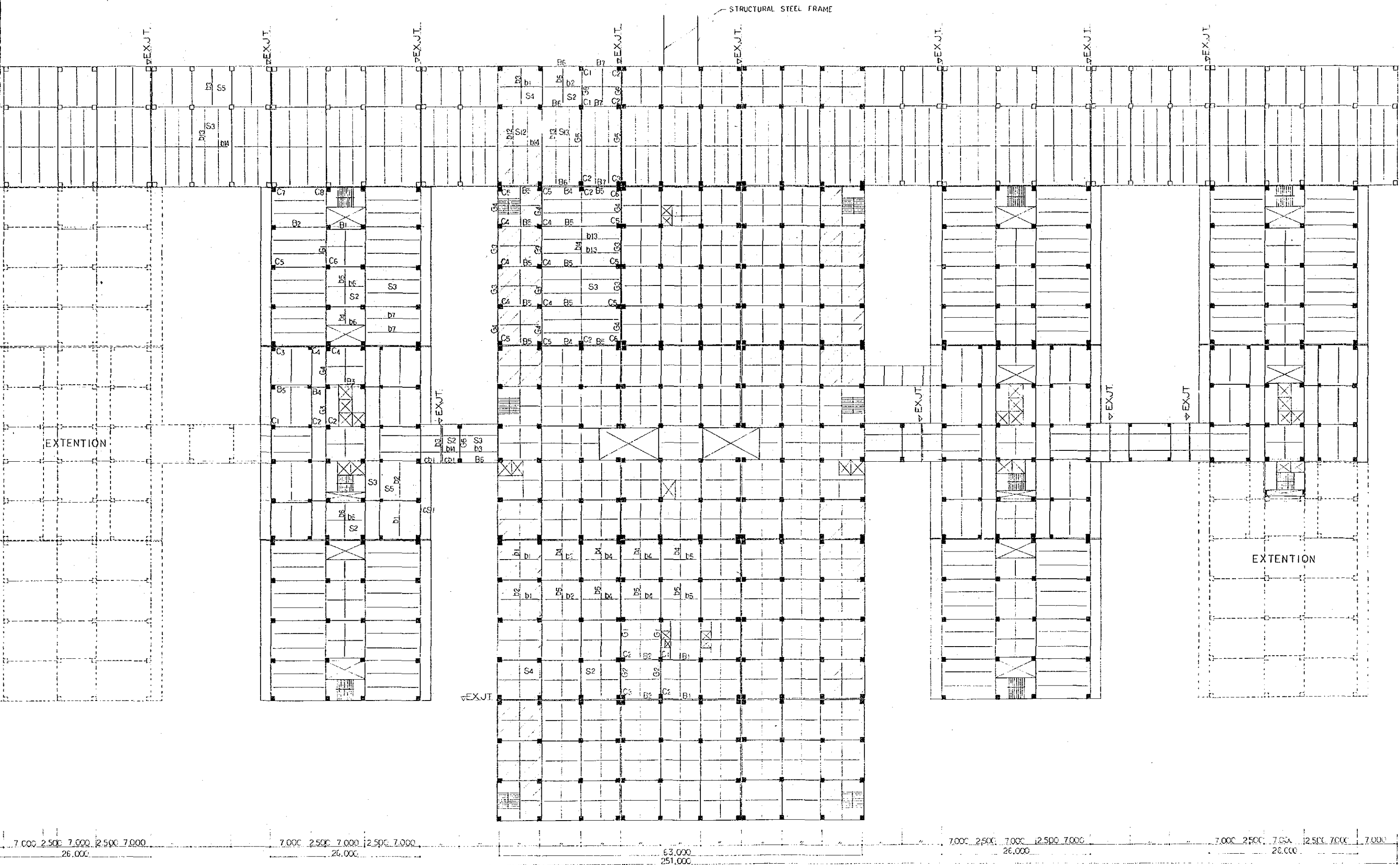
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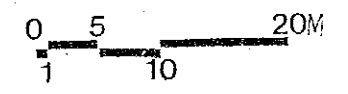
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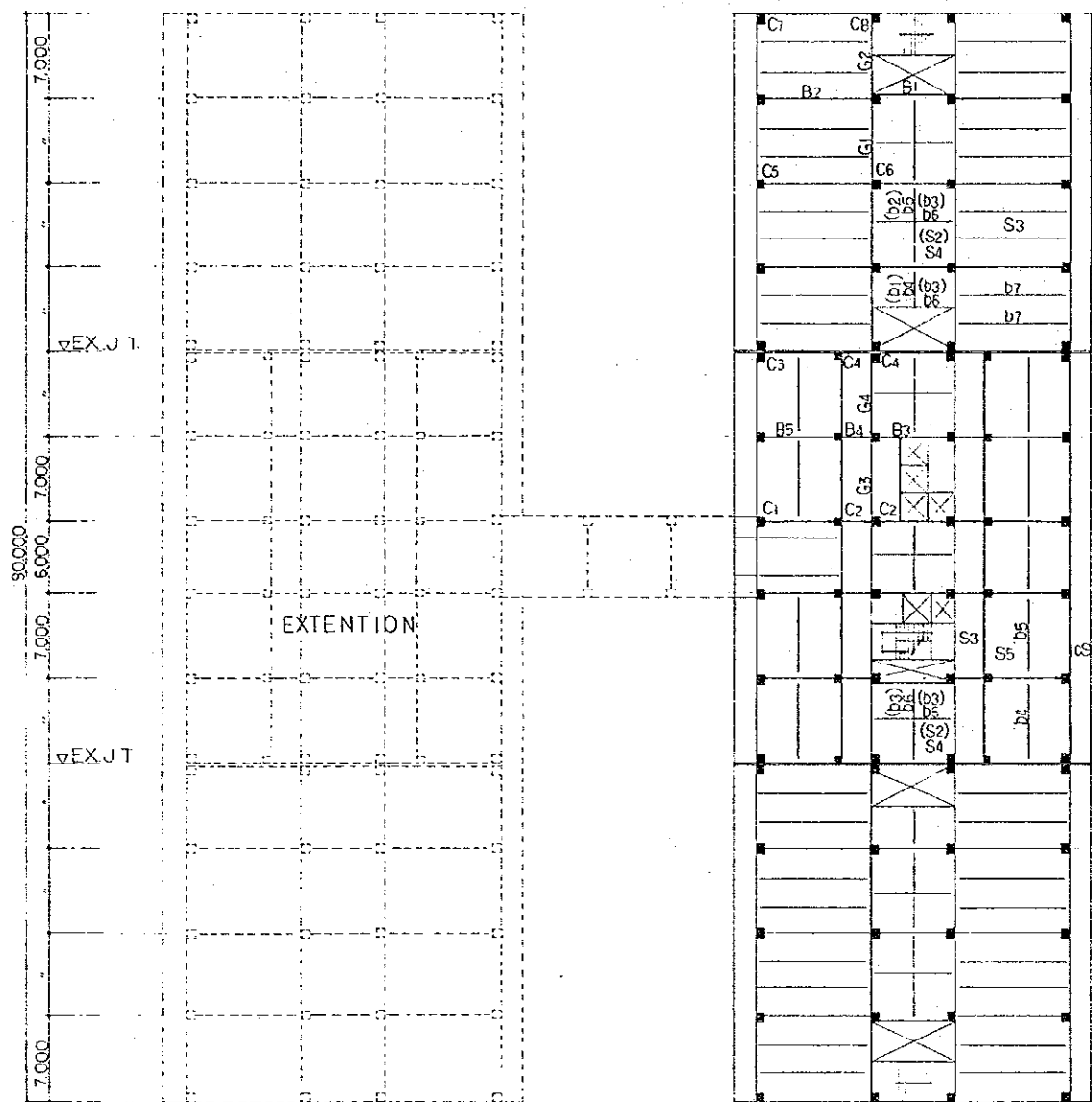
STRUCTURAL

**HOSPITAL 3rd FLOOR FRAMING**

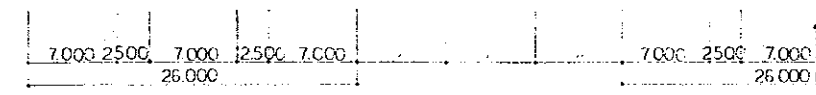
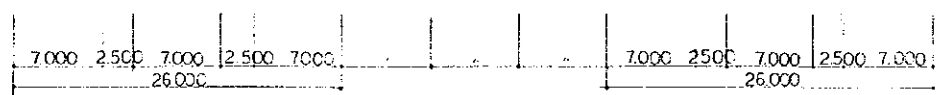
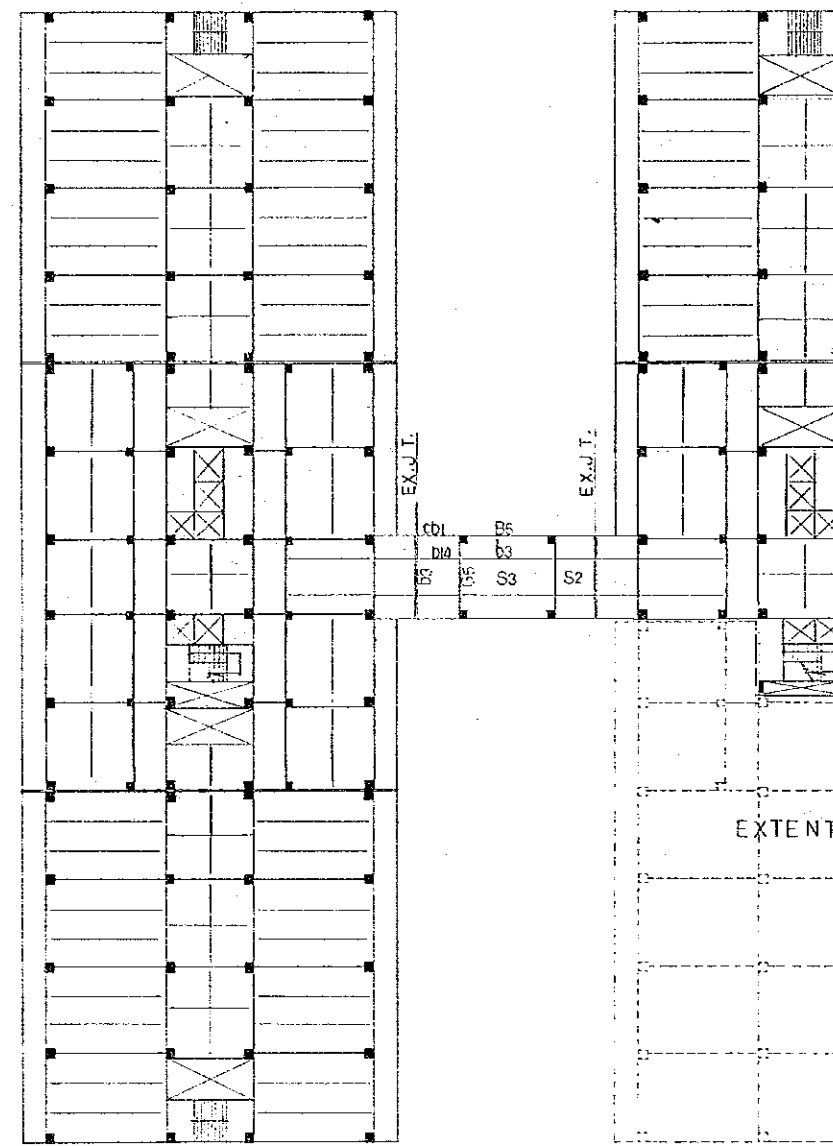


NOTE:  UTILITY AREA





NOTE: ( ) — MEMBER NAME ON PENTHOUSE FLOOR ONLY



237.000

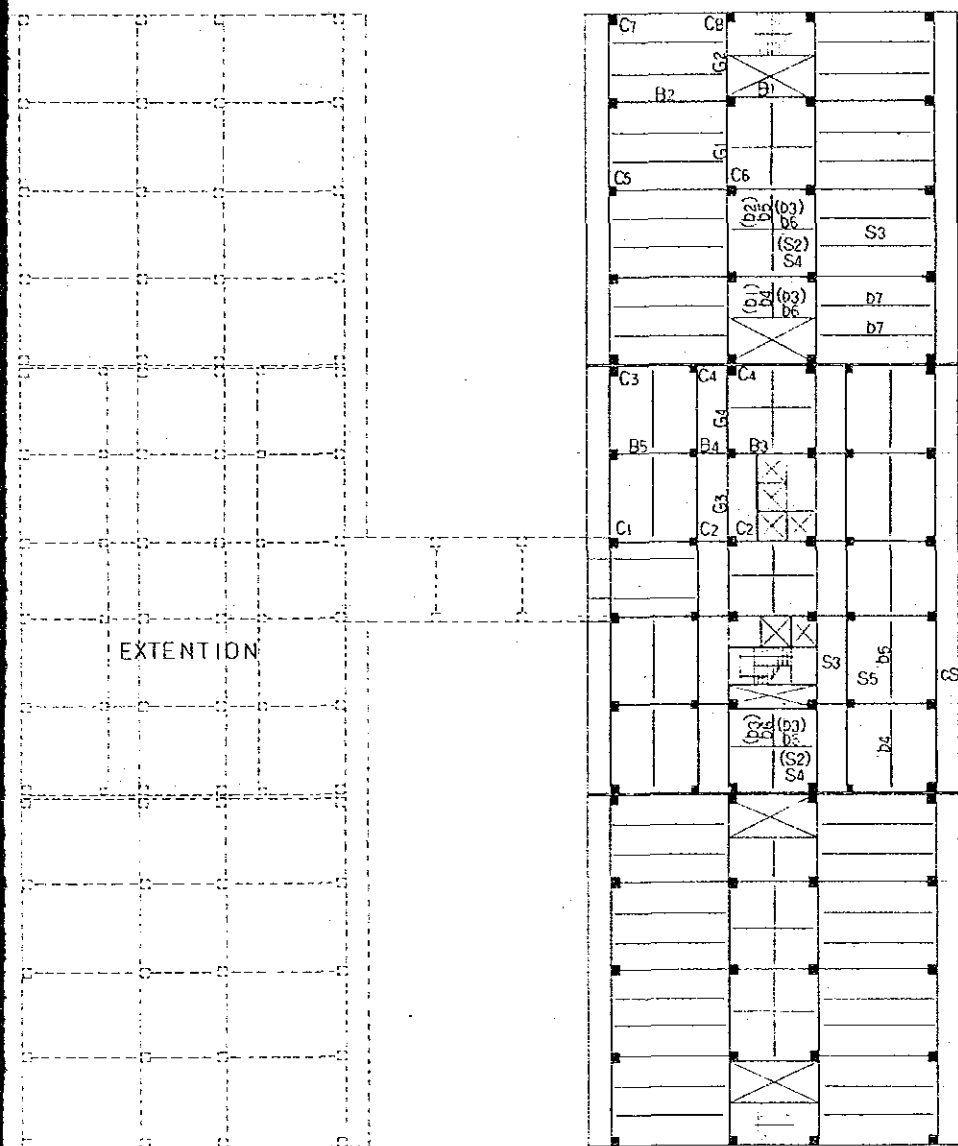
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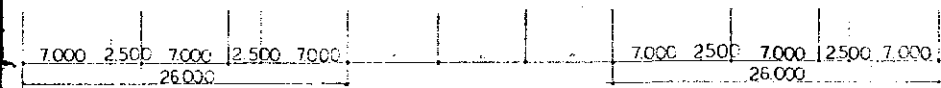
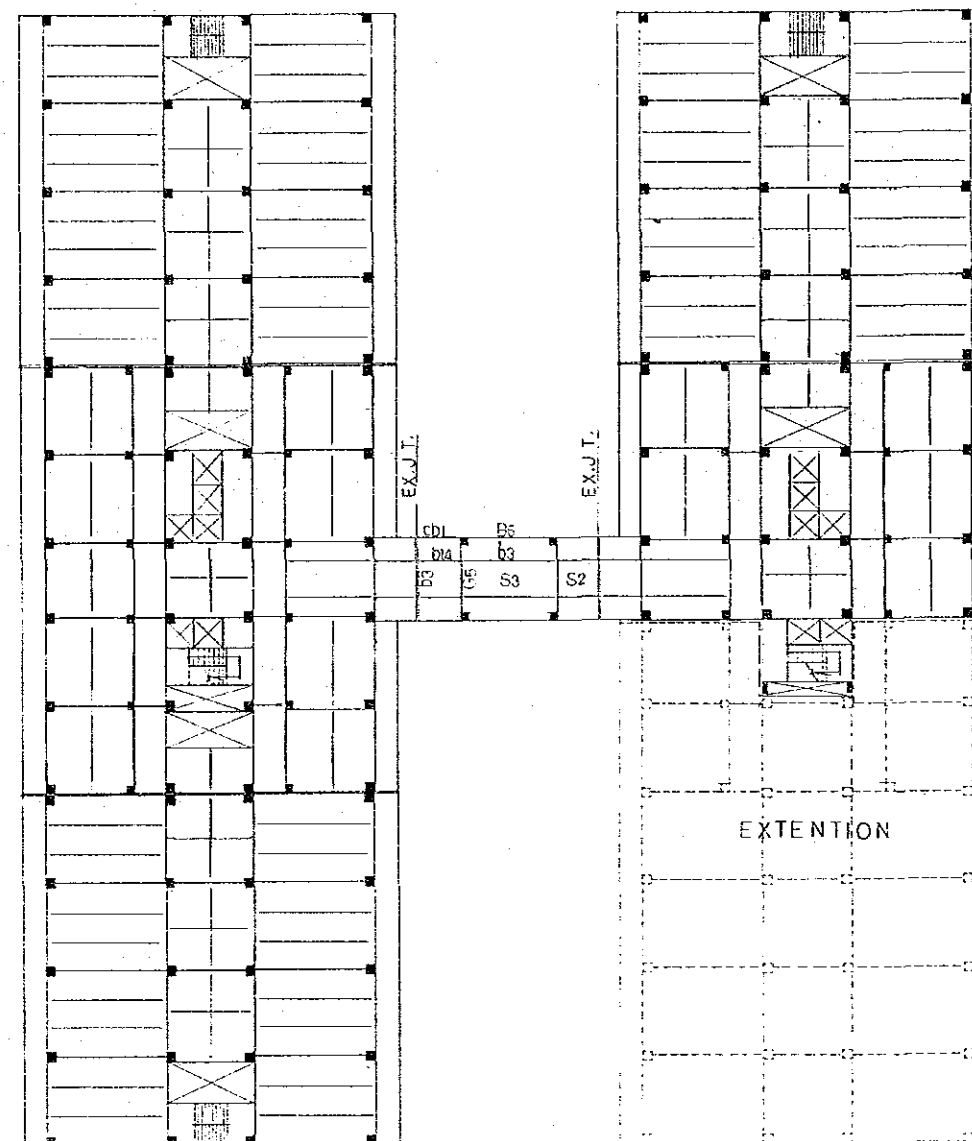
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STRUCTURAL

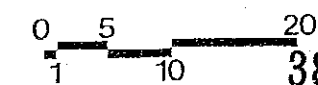
**HOSPITAL 4th-PENT HOUSE FLOOR**  
**FRAMING PLAN**



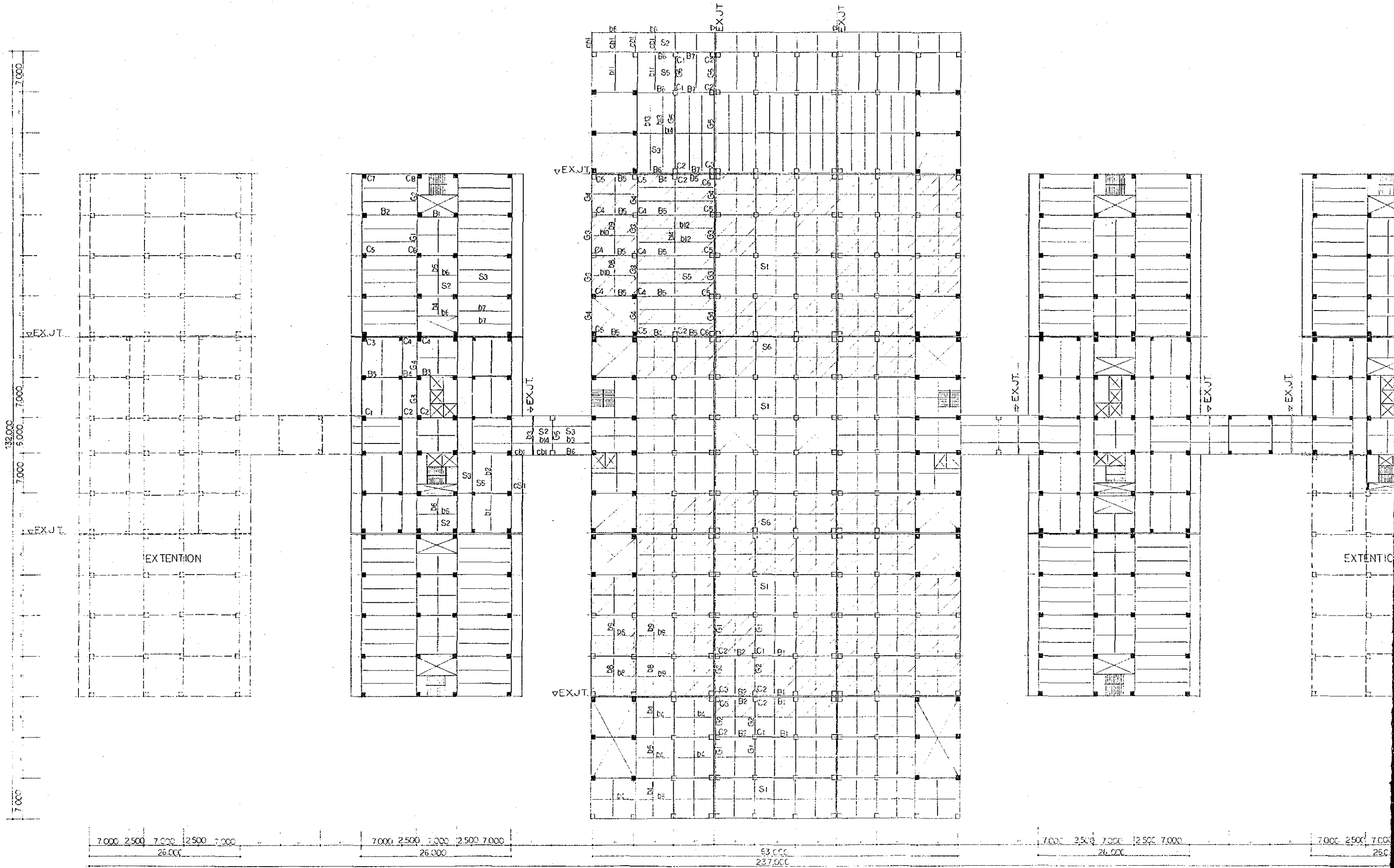
NOTE : ( ) — MEMBER NAME ON\_PENTHOUSE FLOOR ONLY




237,000







NOTE:  ROOF GARDEN AREA

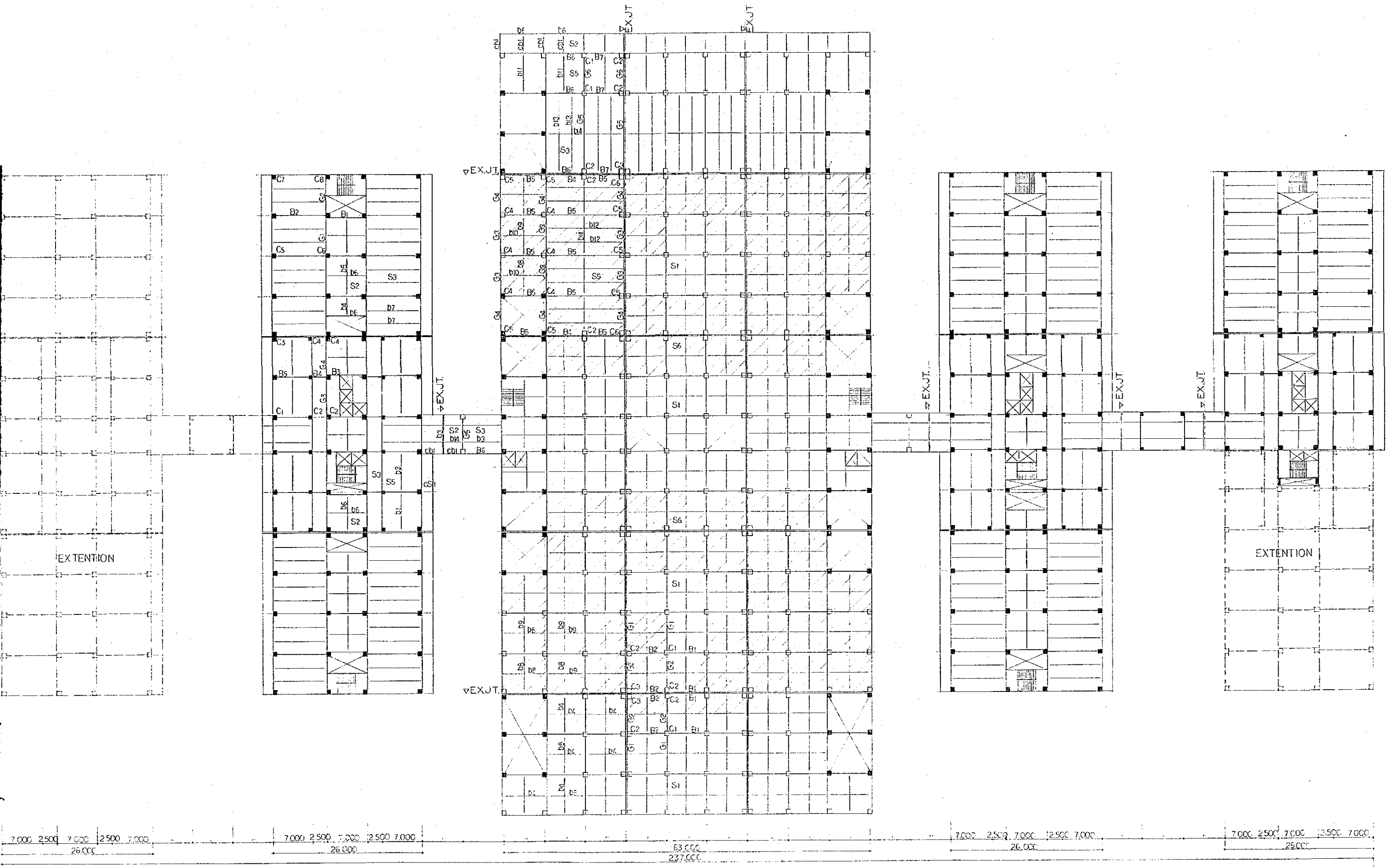
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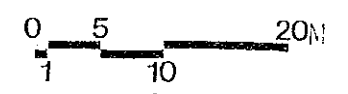
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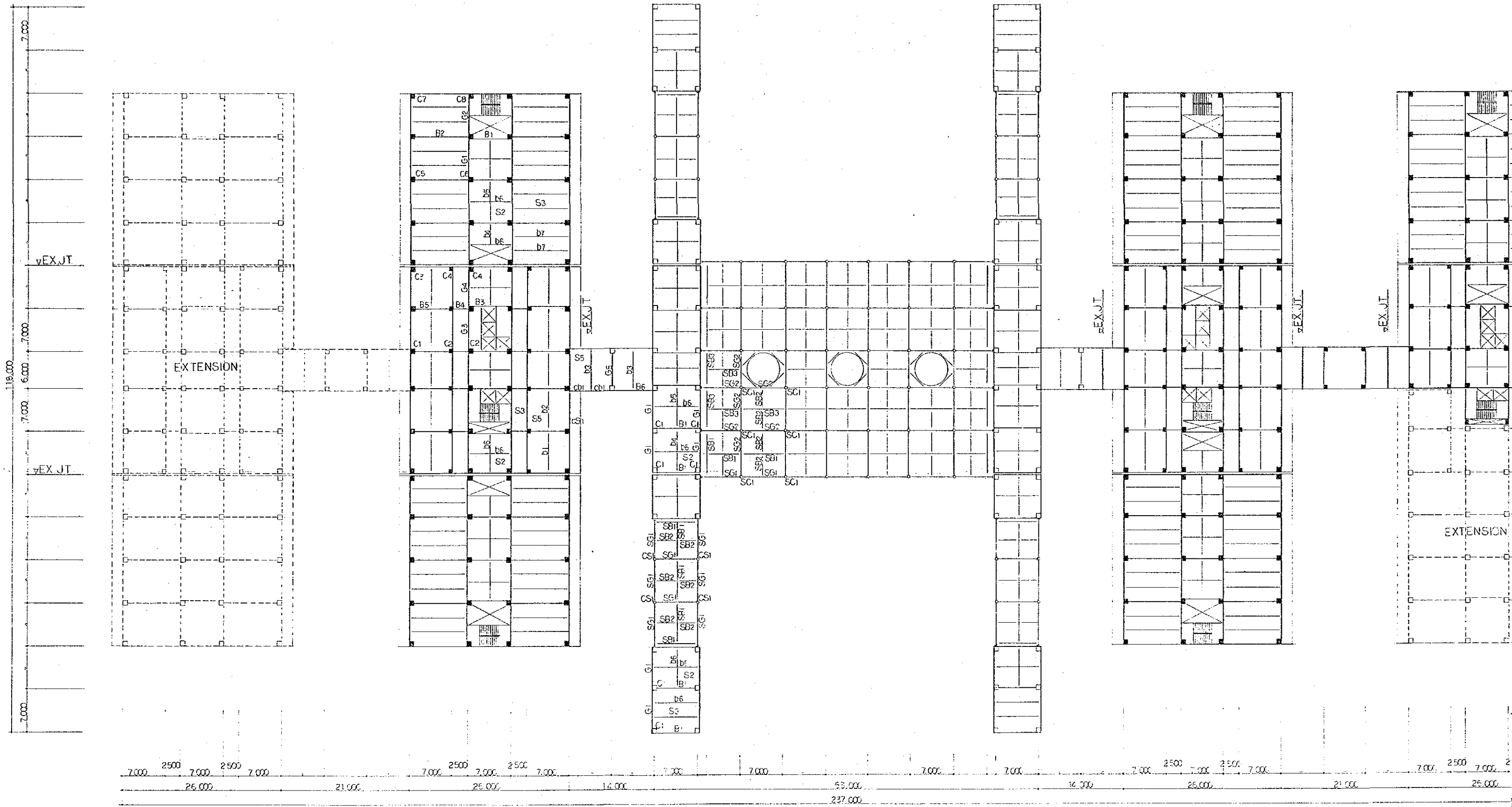
STRUCTURAL

**HOSPITAL 5th FLOOR FRAMING**



NOTE: ROOF GARDEN AREA





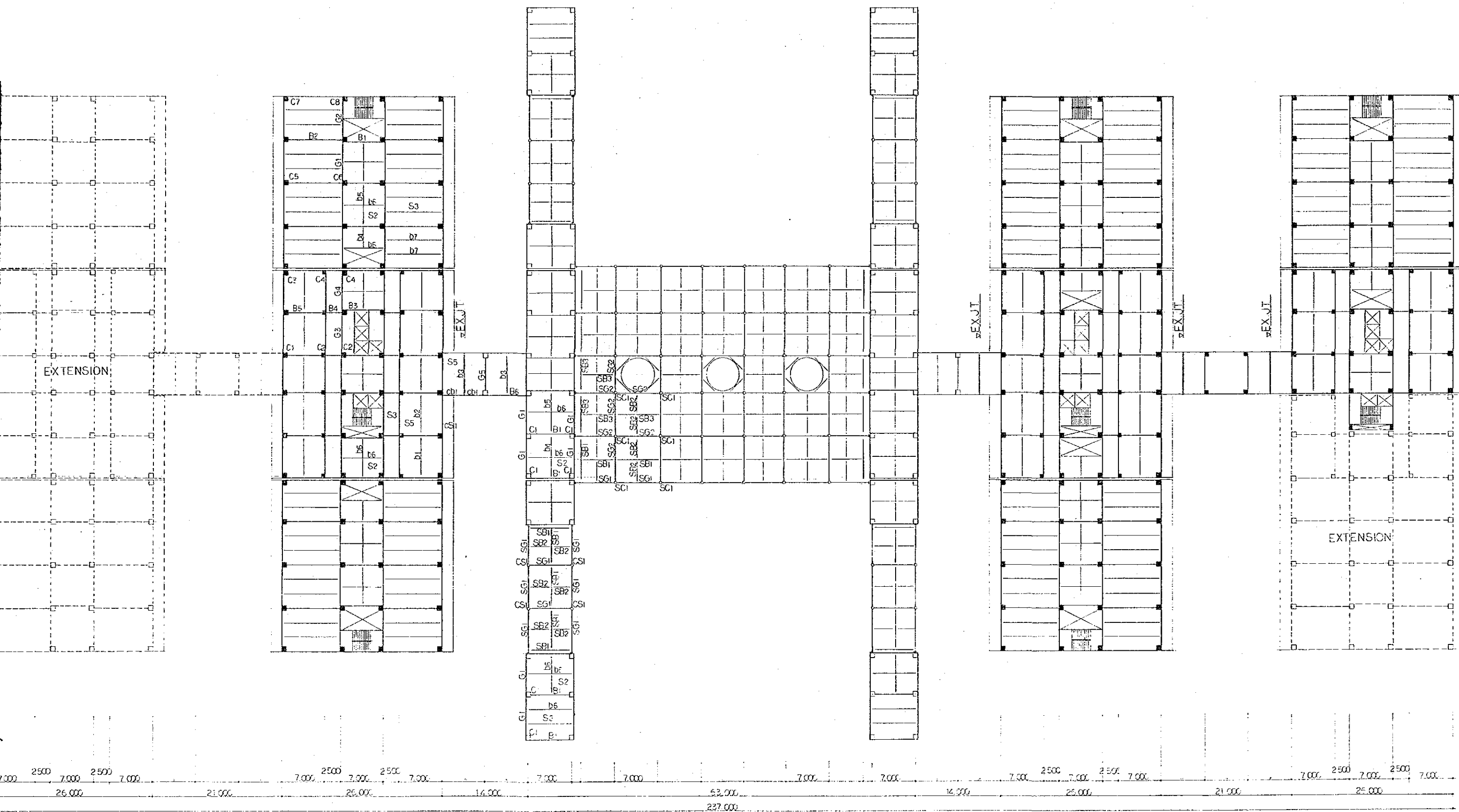
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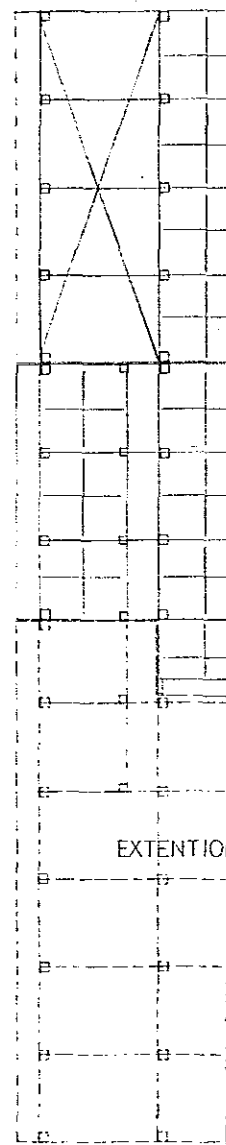
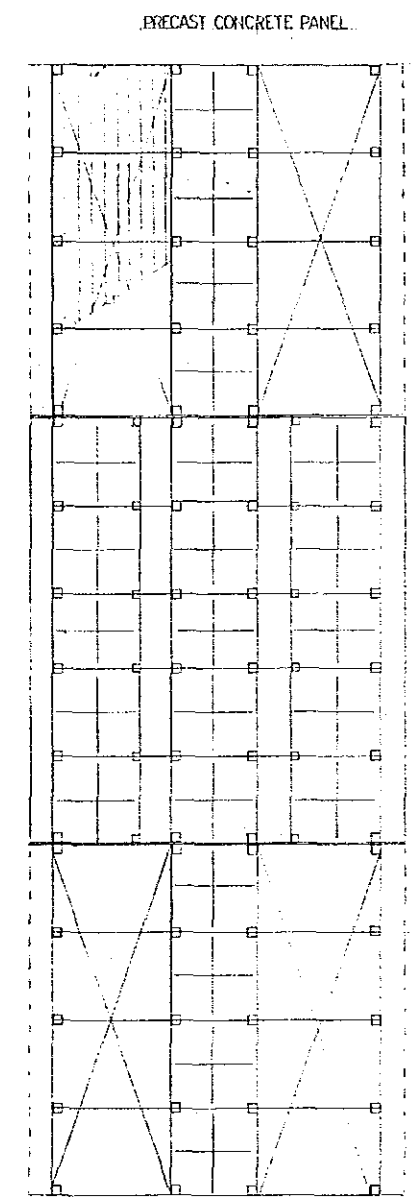
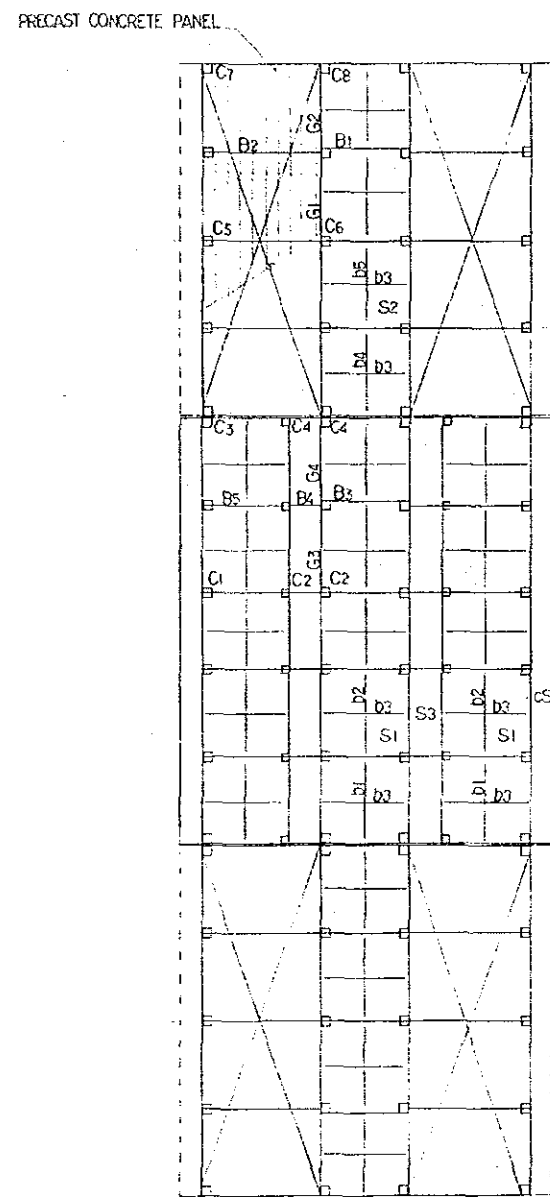
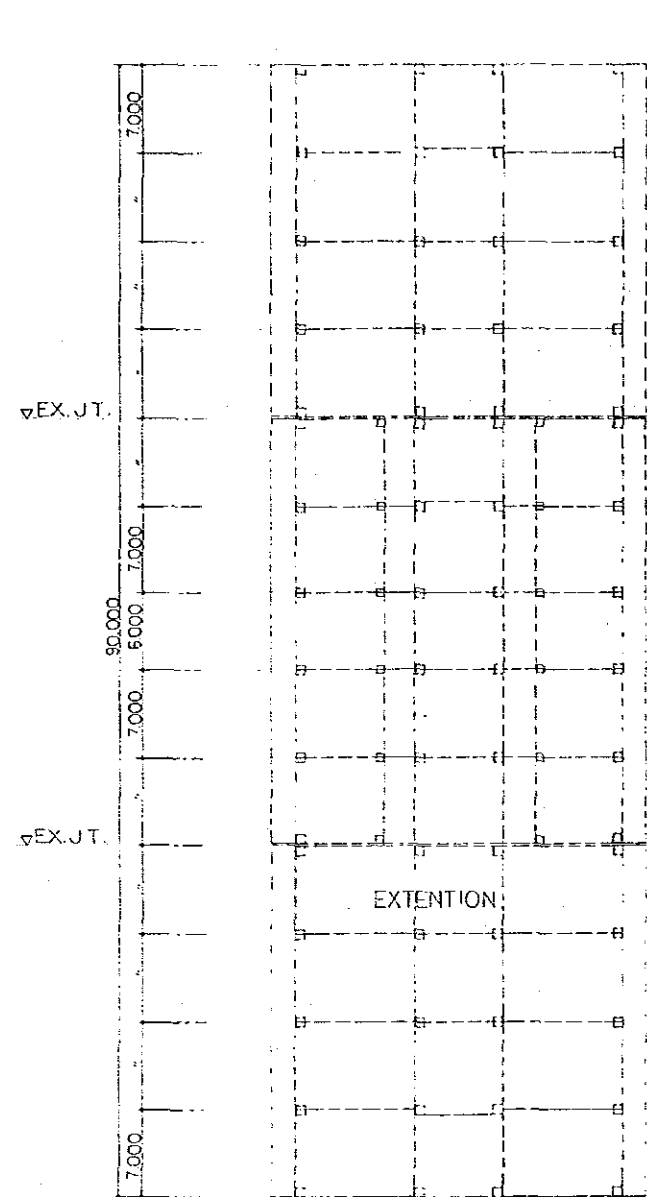
**BASIC DESIGN**

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STRUCTURAL

**HOSPITAL 6th FLOOR FRAMING**





7,000 12,500 7,000 12,500 7,000  
26,000

7,000 12,500 7,000 12,500 7,000  
26,000

237,000

7,000 12,500 7,000 12,500 7,000  
26,000

7,000 12,500 7,000  
26,000

**THE NATIONAL CANCER CENTER**  
ESTABLISHMENT PROJECT IN THE KINGDOM OF SAUDI ARABIA

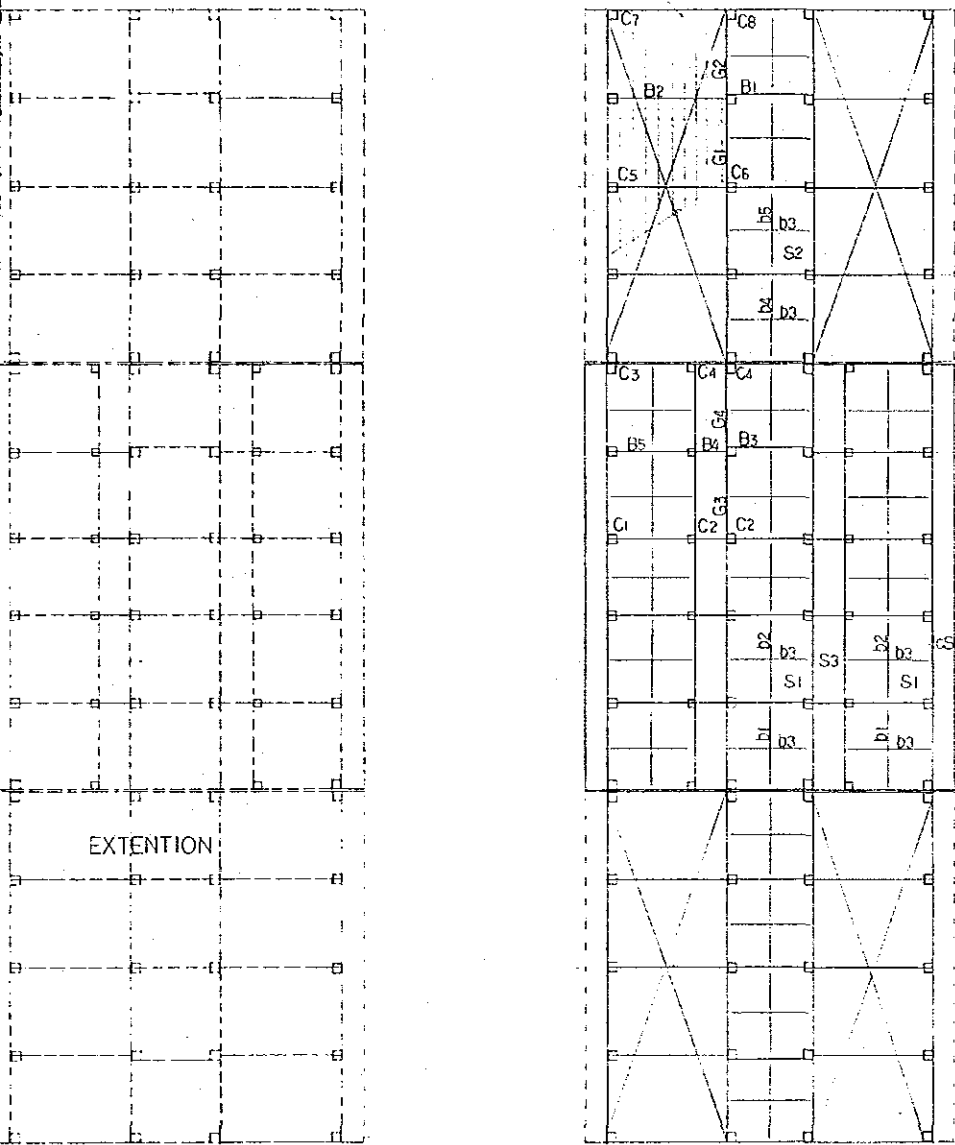
**BASIC DESIGN**

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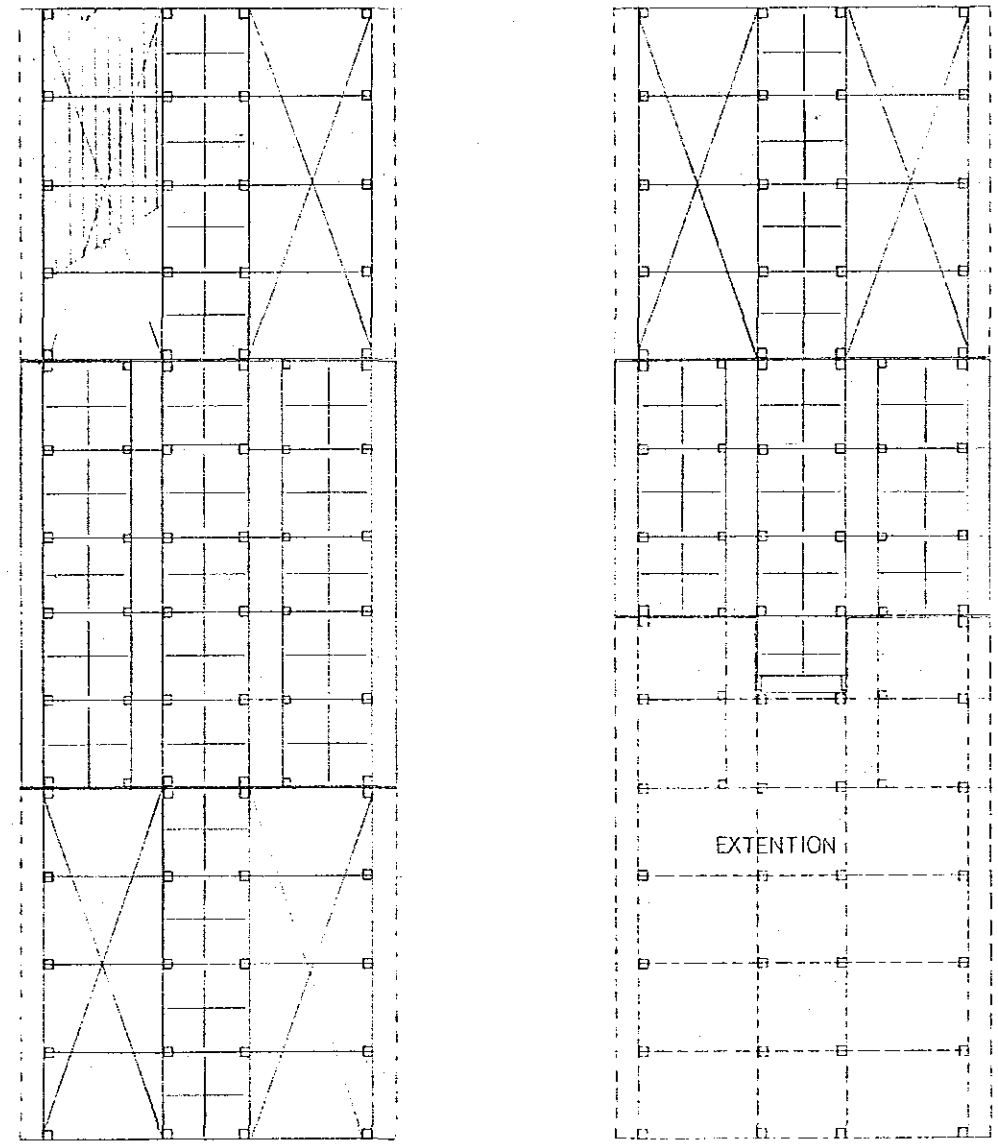
STRUCTURAL

**HOSPITAL ROOF FLOOR FRAMING**

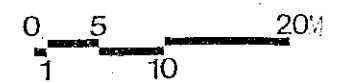
PRECAST CONCRETE PANEL



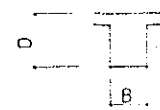
PRECAST CONCRETE PANEL



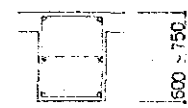
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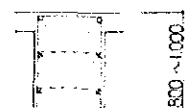
**GIRDER**



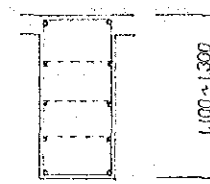
REMARKS



SUPPLEMENTARY --- 2-#4



SUPPLEMENTARY --- 4-#4



SUPPLEMENTARY --- 6-#4

SUPPLEMENTARY TIF --- 3-#600

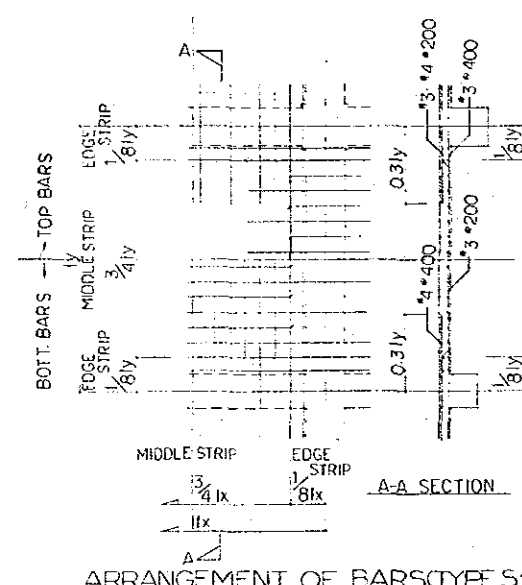
**BEAM**



CENTRAL AND CORRIDOR BUILDING													
MARKS	G1 B1		G2 B2		G3 G4		G5 G6		B4 B5		B6 B7		
	END	CTR	EXT	INT	END	CTR	EXT	INT	END	CTR	EXT	INT	
RFL (PHFL)	450 x 650		450 x 650		600 x 900		500 x 1100		600 x 900		500 x 800		
TOP BARS	10-#15-#8		15-#15-#8		19-#14-#8		14-#8-#7-#8		7-#8-#4-#8		18-#8-#8		
BOTT BARS	16-#16-#8		13-#8		9-#15-#8		7-#110-#8		4-#8-#3-#8		7-#8-#5-#8		
STIRRUPS	#4 #100		#4 #100		#4 #90		#4 #120		#4 #120		#4 #100		

CENTRAL, CORRIDOR AND SOUTH-NORTH WING BUILDING																		
MARKS	D1		D2		D3		D4		D5		D6		D7		D8			
	END	CTR	EXT	INT	END	CTR	EXT	INT	END	CTR	EXT	INT	END	CTR	EXT	INT		
RFL	400 x 500		400 x 500		400 x 500		400 x 500		400 x 500		400 x 500		400 x 500		400 x 500			
TOP BARS	15-#8-#3-#8-#5-#8		3-#8		3-#8		3-#8-#3-#8-#4-#8		4-#8		2-#8		2-#8		3-#8		4-#8	
BOTT BARS	12-#8-#4-#8-#3-#8		3-#8		5-#8		12-#8-#3-#8-#3-#8		3-#8		3-#8		2-#8		4-#8		4-#8	
STIRRUPS	#3 #250		#3 #250		#3 #250		#3 #250		#3 #250		#3 #250		#3 #250		#3 #250		#3 #250	

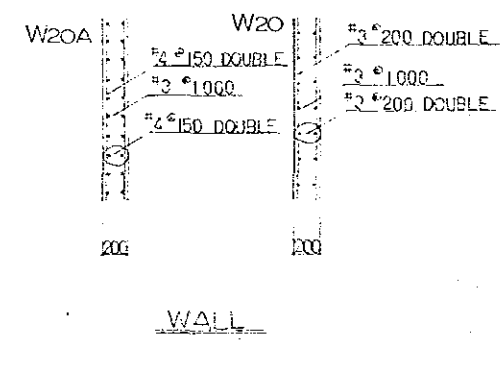
SOUTH WING AND NORTH WING BUILDING														
MARKS	G1		G2		G3		G4		B1		B2		B5	
	END	CTR	EXT	INT	END	CTR	EXT	INT	END	CTR	EXT	INT	END	CTR
RFL	350 x 500		350 x 500		450 x 600		450 x 600		400 x 500		400 x 500		500 x 600	
TOP BARS	4-#13-#8		4-#13-#8		4-#13-#8		5-#13-#8		5-#13-#8		3-#13-#8		6-#13-#8	
BOTT BARS	13-#14-#8		13-#14-#8		13-#13-#8		13-#13-#8		13-#13-#8		13-#13-#8		13-#13-#8	
STIRRUPS	#3 #200		#3 #200		#3 #200		#3 #200		#3 #200		#3 #200		#3 #200	



**SLAB**

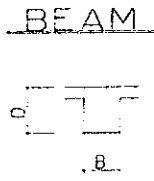
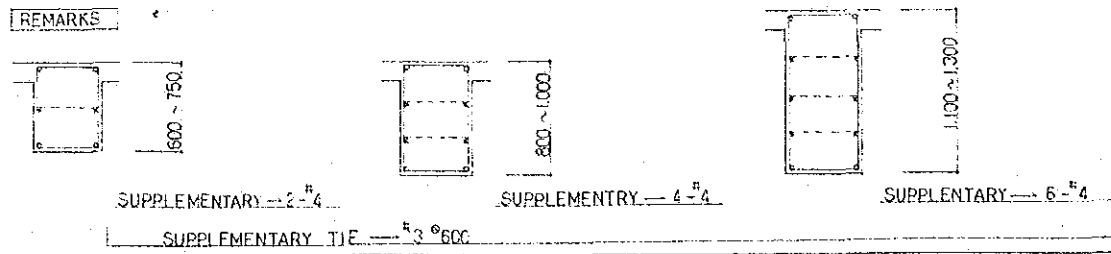
CENTRAL, CORRIDOR AND S.N WING BUILDING									
MARKS	THICKNESS	TOP or BOTT.	MAIN BARS DIRECTION		DISTRIBUTING BARS DIR		EDGE STRIPS	MIDDLE STRIPS	END
			END	CTR.	END	CTR.			
S1	150	TOP	#3 #4 #200	#4 #400	#3 #250	#3 #4 #200	#4 #400	#3 #400	#4 #400
S2	150	TOP	#4 #150	#4 #300	#3 #200	#4 #150	#4 #300	#3 #150	#4 #300
S3	150	TOP	#3 #4 #150	#4 #300	#3 #200	#3 #4 #150	#4 #300	#3 #150	#4 #300
S4	150	TOP	#4 #5 #150	#5 #300	#4 #200	#4 #200	#4 #200	#4 #400	#4 #400
S5	150	TOP	#3 #4 #100		#3 #200	#3 #150		#3 #150	
S6	150	TOP	#3 #4 #100	#4 #200	#3 #200	#3 #4 #100	#4 #200	#3 #200	#4 #200
S7	150	TOP	#3 #4 #150		#3 #200	#3 #200		#3 #200	
S8	150	TOP	#3 #4 #150	#4 #300	#3 #200	#3 #4 #150	#4 #300	#3 #150	#4 #300
C51	200	TOP	#3 #4 #100	#4 #100	#3 #200	#3 #200		#3 #200	

MARKS	G5
POSITION	END:CTR
B x D	450 x 600
TOP BARS	3-#8-#8
BOTT BARS	3-#8-#8
STIRRUPS	#3 #200



**FOUNDATION GIRDER**

CENTRAL, CORRIDOR AND S.N WING BUILDING									
MARKS	FG1, FB1								
	END	CTR							
POSITION	END:CTR								
E x D	350 x 800								
TOP BARS	14-#2-#8								
BOTT BARS	4-#8-#8								
STIRRUPS	#3 #200								



**CORRIDOR BUILDING**

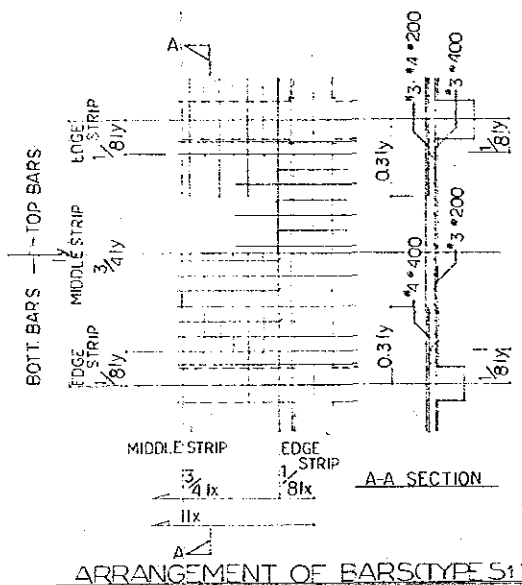
MARKS	B1	B2	B3	B4	B5	B6	B7
POSITION	EXT. END	INT. CTR	INT. END	EXT. CTR	INT. END	EXT. CTR	INT. END
B x D	450 x 650	450 x 650	600 x 900	600 x 900	500 x 1100	600 x 900	500 x 800
TOP BARS	5-#8	5-#8	9-#8	9-#8	7-#8	7-#8	4-#8
BOTT. BARS	3-#8	3-#8	7-#8	7-#8	5-#8	5-#8	3-#8
STIRRUPS	#4 @ 100	#4 @ 100	#4 @ 90	#4 @ 120	#4 @ 120	#4 @ 100	#4 @ 100

**CENTRAL CORRIDOR AND SOUTH-NORTH WING BUILDING**

MARKS	b1	b2	b3	b4	b5	b6	b7	b8	b9	b10
POSITION	EXT. END	INT. CTR	INT. END	EXT. CTR	INT. END	EXT. CTR	INT. END	EXT. CTR	INT. END	EXT. CTR
B x D	400 x 500	400 x 500	400 x 500	400 x 500	400 x 500	400 x 500	400 x 500	400 x 500	400 x 500	400 x 500
TOP BARS	5-#8	5-#8	5-#8	3-#8	3-#8	3-#8	3-#8	4-#8	2-#8	2-#8
BOTT. BARS	3-#8	3-#8	3-#8	3-#8	3-#8	3-#8	3-#8	3-#8	3-#8	3-#8
STIRRUPS	#3 @ 250	#3 @ 250	#3 @ 250	#3 @ 250	#3 @ 250	#3 @ 250	#3 @ 250	#3 @ 250	#3 @ 250	#3 @ 250

**CENTRAL CORRIDOR AND NORTH WING BUILDING**

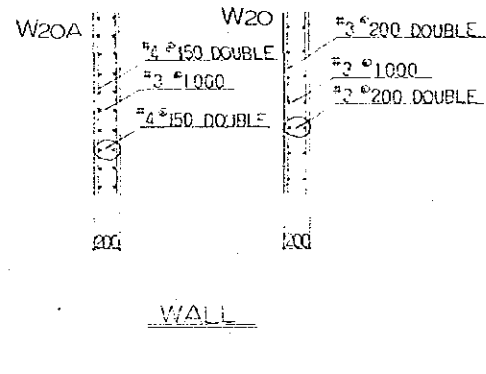
MARKS	G1	G2	G3	G4	B1	B2	B3	B4	B5
POSITION	EXT. END	INT. CTR	INT. END	EXT. CTR	INT. END	EXT. CTR	INT. END	EXT. CTR	INT. END
B x D	450 x 500	350 x 500	450 x 600	450 x 600	400 x 500	400 x 500	500 x 600	450 x 450	500 x 600
TOP BARS	3-#8	3-#8	3-#8	3-#8	3-#8	3-#8	3-#8	3-#8	3-#8
BOTT. BARS	3-#8	3-#8	3-#8	3-#8	3-#8	3-#8	3-#8	3-#8	3-#8
STIRRUPS	#3 @ 200	#3 @ 200	#3 @ 200	#3 @ 200	#3 @ 200	#3 @ 200	#3 @ 200	#3 @ 200	#3 @ 200



**CENTRAL CORRIDOR AND S-N WING BUILDING**

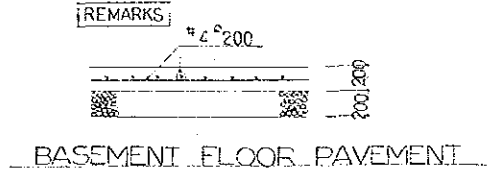
MARKS	THICKNESS	TOP or BOTT.	MAIN BARS	DIRECTION	DISTRIBUTING BARS	DIRECTION	REMARKS
S1	150	TOP	#3 @ 200	4' @ 400	#3 @ 250	#3 @ 200	#3 @ 250
		BOTT.	#3 @ 400	#3 @ 200	#3 @ 250	#3 @ 400	#3 @ 200
S2	150	TOP	#4 @ 150	#4 @ 300	#3 @ 200	#4 @ 150	#4 @ 300
		BOTT.	#3 @ 300	#3 @ 150	#3 @ 200	#3 @ 300	#3 @ 150
S3	150	TOP	#3 @ 150	#4 @ 300	#3 @ 200	#3 @ 150	#4 @ 300
		BOTT.	#3 @ 300	#3 @ 150	#3 @ 200	#3 @ 300	#3 @ 150
S4	150	TOP	#4 @ 150	#5 @ 300	#4 @ 200	#4 @ 200	#4 @ 400
		BOTT.	#4 @ 300	#4 @ 150	#4 @ 200	#4 @ 400	#4 @ 200
S5	150	TOP	#3 @ 100		#3 @ 200	#3 @ 150	#3 @ 200
		BOTT.	#3 @ 200	#3 @ 100	#3 @ 200	#3 @ 300	#3 @ 150
S6	150	TOP	#3 @ 100	#4 @ 200	#3 @ 200	#3 @ 100	#4 @ 200
		BOTT.	#4 @ 200	#3 @ 100	#3 @ 200	#4 @ 200	#3 @ 100
S7	150	TOP	#3 @ 150		#3 @ 200	#3 @ 200	#3 @ 200
		BOTT.	#3 @ 300	#3 @ 150	#3 @ 200	#3 @ 400	#3 @ 200
S8	150	TOP	#3 @ 150	#4 @ 300	#3 @ 200	#3 @ 150	#4 @ 300
		BOTT.	#3 @ 300	#3 @ 150	#3 @ 200	#3 @ 300	#3 @ 150
CS1	150	TOP	#3 @ 100	FRONT	#3 @ 200		#3 @ 200
		BOTT.	#3 @ 100	END	#3 @ 200		#3 @ 200

MARKS	G5
POSITION	END CTR
B x D	450 x 600
TOP BARS	3-#8
BOTT. BARS	3-#8
STIRRUPS	#3 @ 200



**FOUNDATION GIRDER**

MARKS	FG1, FB1
POSITION	END CTR
B x D	350 x 800
TOP BARS	4-#8
BOTT. BARS	4-#8
STIRRUPS	#3 @ 200





COLUMN

CENTRAL BUILDING						
MARKS	C1	C2	C3	C4	C5	C6
3FL (4FL)						
BARS	12-#8	12-#8	12-#8	12-#8	28-#8	20-#8
HOOPS	#3 @100	#3 @100	#3 @100	#3 @100	#3 @100	#3 @100
2FL						
BARS	12-#8	12-#8	12-#8	12-#8	20-#8	16-#8
HOOPS	#3 @100	#3 @100	#3 @100	#3 @100	#3 @100	#3 @100
1FL GFL BFL						
BARS	16-#8	16-#8	16-#8	28-#8	12-#8	14-#8
HOOP	#3 @100	#3 @100	#3 @100	#3 @100	#3 @100	#3 @100

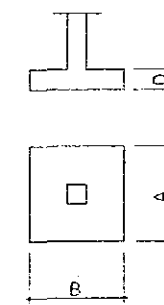
CORRIDOR BUILDING	
MARKS	C1
3FL	
BARS	12-#8
HOOPS	#3 @100
2FL 1FL GFL BFL	
BARS	20-#8
HOOPS	#3 @100

STEEL MEMBERS

CENTRAL BUILDING	
SG1	W 14 x 43
SG2	W 18 x 76
SB1	W 14 x 43
SB2	W 8 x 10
SB3	W 18 x 76
SC1	Ø 12 x .5

SOUTH WING AND NORTH WING BUILDING								
MARKS	C1	C2	C3	C4	C5	C6	C7	C8
7FL 6FL 5FL								
BARS	8-#8	10-#8	8-#8	10-#8	8-#8	8-#8	8-#8	8-#8
HOOPS	#3 @100	#3 @100	#3 @100	#3 @100	#3 @100	#3 @100	#3 @100	#3 @100
4FL 3FL 2FL								
BARS	12-#8	18-#8	12-#8	18-#8	20-#8	22-#8	14-#8	16-#8
HOOPS	#3 @100	#3 @100	#3 @100	#3 @100	#3 @100	#3 @100	#3 @100	#3 @100
1FL								
BARS	16-#8	18-#8	18-#8	18-#8	26-#8	30-#8	22-#8	24-#8
HOOPS	#3 @100	#3 @100	#3 @100	#3 @100	#3 @100	#3 @100	#3 @100	#3 @100
GFL								
BARS	18-#8	18-#8	18-#8	18-#8	26-#8	30-#8	22-#8	24-#8
HOOPS	#3 @100	#3 @100	#3 @100	#3 @100	#3 @100	#3 @100	#3 @100	#3 @100

FOOTING



CENTRAL, CORRIDOR, S-N WING				
MARKS	F1	F2	F3	
SIZE	A	4.300	3.900	3.600
	B	4.300	3.900	3.600
	D	2.150	1.950	1.800
BARS	23-#6	18-#6	16-#6	
MARKS	F7	F8 (STRIP FOUNDATION)		
	A	3.500	4.800	
	B	5.900	2.400 *	
	D	2.900	2.400	
MAIN BARS	28-#7	#6 @100		
DISTRIBUTING BARS	15-#7	#6 @200		

\* -- FROM COLUMN CENTER

GENERAL NOTE

CONCRETE	f <sub>c</sub> =4000 psi	(COMPRESSIVE STRENGTH)
REINFORCEMENT	Gr 60	(f <sub>y</sub> =60000 psi)
STRUCTURAL STEEL	Gr 36	
SOIL BEARING CAPACITY	8200 psi (40 t/m <sup>2</sup> )	

CENTRAL BUILDING

C1	C2	C3	C4	C5	C6
12-#8 #3 @100	12-#8 #3 @100	12-#8 #3 @100	12-#8 #3 @100	28-#8 #3 @100	20-#8 #3 @100
12-#8 #3 @100	12-#8 #3 @100	12-#8 #3 @100	12-#8 #3 @100	20-#8 #3 @100	16-#8 #3 @100
16-#8 #3 @100	16-#8 #3 @100	16-#8 #3 @100	28-#8 #3 @100	12-#8 #3 @100	14-#8 #3 @100

CORRIDOR BUILDING

MARKS	C1
3 FL	
BARS	12-#8
HOOPS	#3 @100
2 FL	
1 FL	
GFL	
BFL	
BARS	20-#8
HOOPS	#3 @100

STEEL MEMBERS

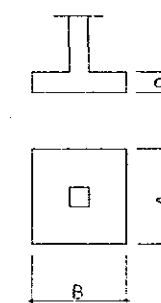
CENTRAL BUILDING

SG1	W 14 x 43
SG2	W 18 x 76
SB1	W 14 x 43
SB2	W 8 x 10
SB3	W 16 x 76
SC1	Ø 12 x .5

SOUTH WING AND NORTH WING BUILDING

C1	C2	C3	C4	C5	C6	C7	C8
6-#8 #3 @100	10-#8 #3 @100	8-#8 #3 @100	10-#8 #3 @100	8-#8 #3 @100	8-#8 #3 @100	8-#8 #3 @100	8-#8 #3 @100
12-#8 #3 @100	18-#8 #3 @100	12-#8 #3 @100	18-#8 #3 @100	20-#8 #3 @100	22-#8 #3 @100	14-#8 #3 @100	16-#8 #3 @100
18-#8 #3 @100	18-#8 #3 @100	18-#8 #3 @100	18-#8 #3 @100	26-#8 #3 @100	30-#8 #3 @100	22-#8 #3 @100	24-#8 #3 @100
18-#8 #3 @100	18-#8 #3 @100	18-#8 #3 @100	18-#8 #3 @100	26-#8 #3 @100	30-#8 #3 @100	22-#8 #3 @100	24-#8 #3 @100

FOOTING



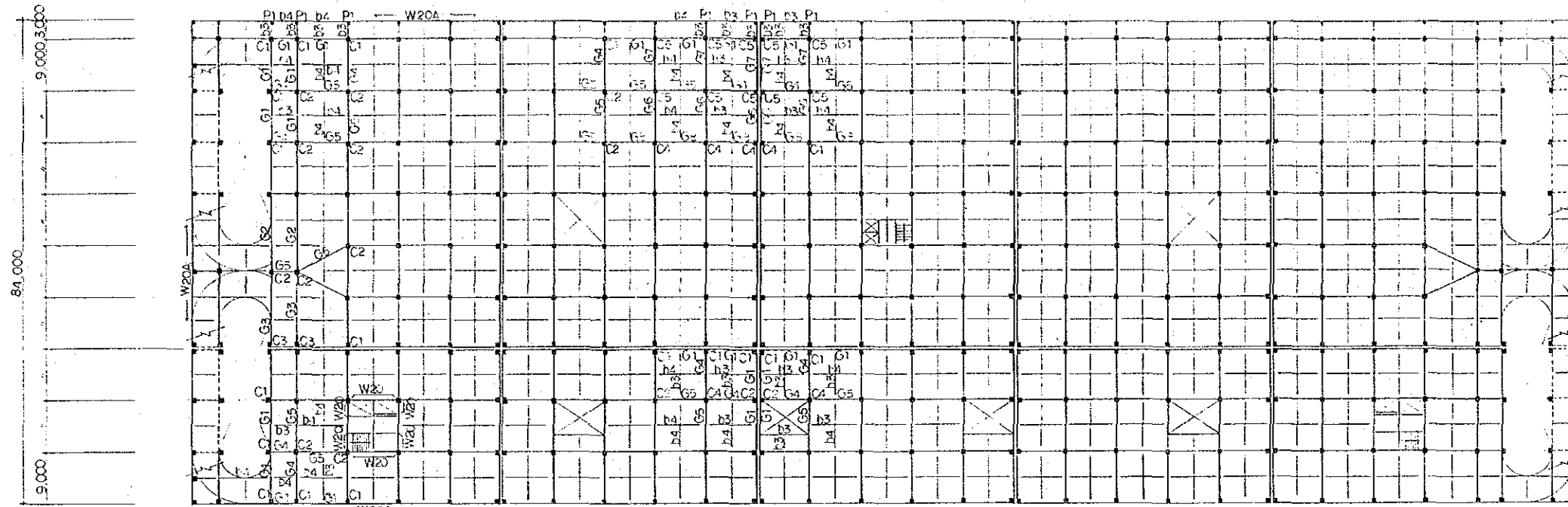
CENTRAL, CORRIDOR, S-N WING BUILDING

MARKS	F1	F2	F3	F4	F5	F6
SIZE A	4.300	3.900	3.600	3.300	3.000	1.800
SIZE B	4.300	3.900	3.600	3.300	3.000	1.800
SIZE D	2.150	1.950	1.800	1.650	1.500	900
BARS	23-#6	18-#6	16-#6	16-#6	16-#6	9-#4
MARKS	F7	F8 (STRIP FOUNDATION)				
SIZE A	3.500	4.800				
SIZE B	5.900	2.400 *				
SIZE D	2.900	2.400				
MAIN BARS	25-#7	#6 @100				
DISTRIBUTING BARS	15-#7	#6 @200				

\* — FROM COLUMN CENTER TO FOUNDATION EDGE

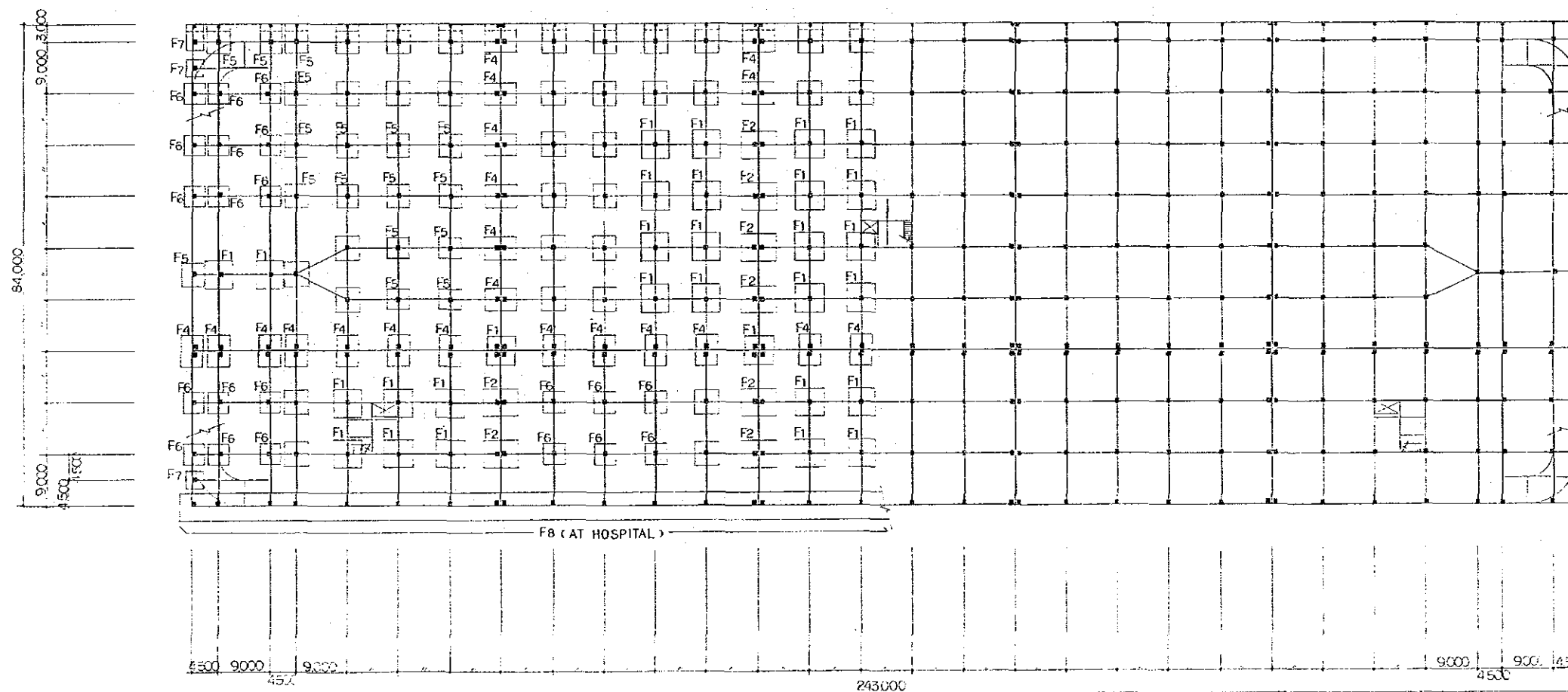
GENERAL NOTE

CONCRETE	f <sub>c</sub> = 4000 psi (COMPRESSIVE STRENGTH AT 28 DAYS)
REINFORCEMENT	Gr 60 (f <sub>y</sub> = 60000 psi)
STRUCTURAL STEEL	Gr 36
SOIL BEARING CAPACITY	8200 psi (40 t/m <sup>2</sup> )



UNLESS OTHERWISE NOTED  
SLAB = S1

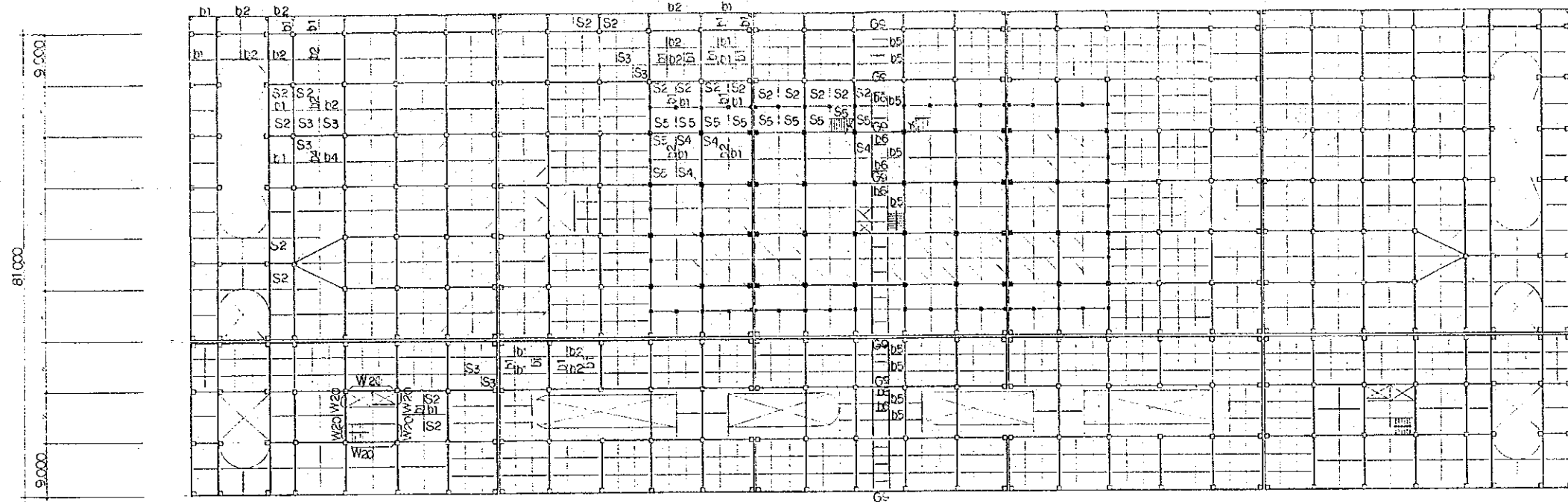
BASEMENT 2nd, 3rd FLOOR



UNLESS OTHERWISE NOTED  
FOUNDATION GIRDER = F0  
FOUNDATION BEAM = F1  
FOOTING = F3

BASEMENT 1st FLOOR



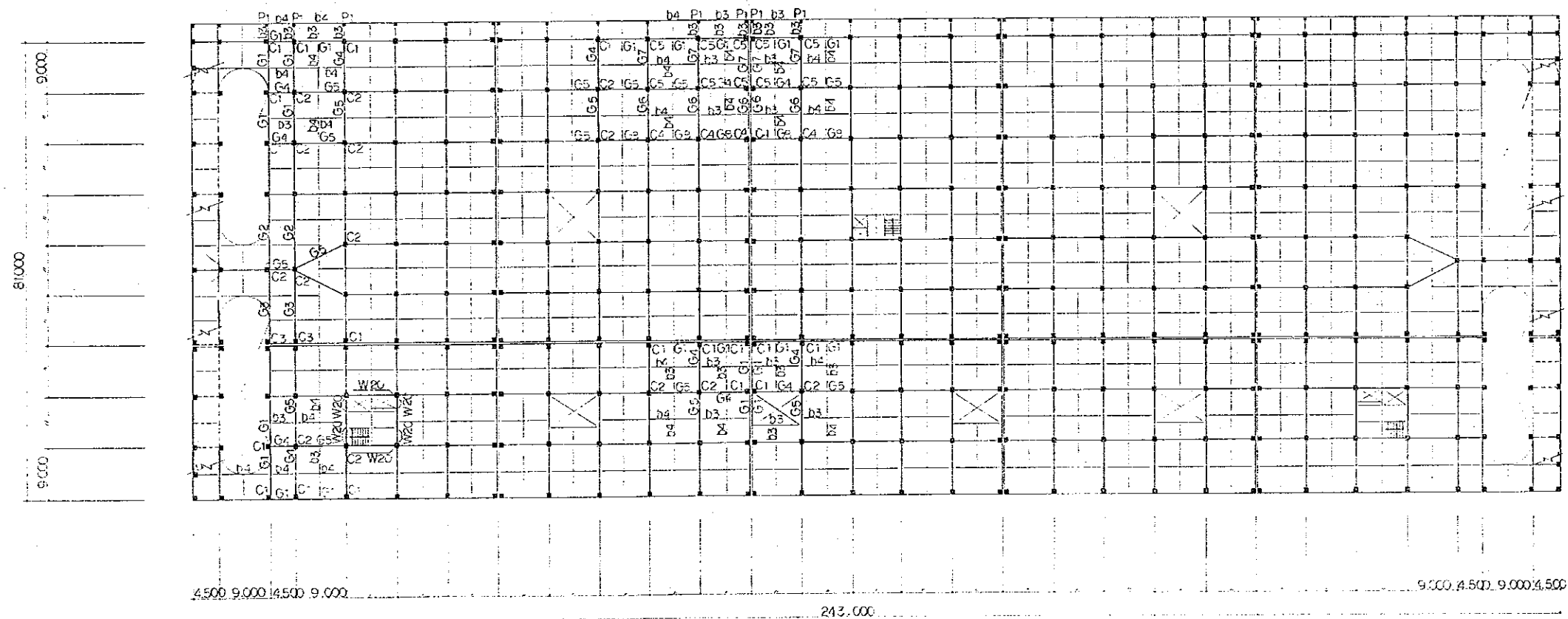


ARRANGEMENT FOR 1st FLOORS. MEMBERS ARE NOTED AS FOLLOWS.

GIRDER : GROUND FLOOR FRAMING PLAN

1st (GENERAL CLINIC OF 1st) FLOOR

COLUMN: 2nd. FLOOR FRAMING PLAN OF GENERAL CLINIC



UNLESS OTHERWISE NOTED  
SLAB --- S1

GROUND FLOOR



COLUMN

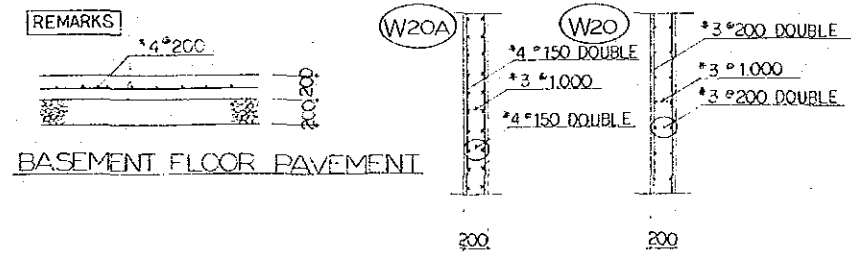
	C1	C2	C3	C4	C5
G.FL					
BARS	20-#8	24-#8	36-#8	24-#8	28-#8
HOOPS	*3 #200	*3 #200	*5 #200	*3 #200	*3 #200
B1FL					
BARS	20-#8	24-#8	32-#8	24-#8	20-#8
HOOPS	*3 #200	*3 #200	*3 #200	*3 #200	*3 #200
B2FL					
BARS	24-#8	24-#8	32-#8	24-#8	24-#8
HOOPS	*3 #200	*3 #200	*3 #200	*3 #200	*3 #200
B3FL					
BARS	24-#8	24-#8	32-#8	32-#8	24-#8
HOOPS	*3 #200	*3 #200	*3 #200	*3 #200	*3 #200

SLAB

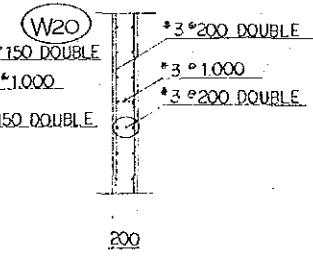
MARKS	THICKNESS	TOP or BOTT	MAIN BARS DIRECTION			DISTRIBUTING BARS DIRECTION		
			MIDDLE END	STRIPS CTR	EDGE STRIPS	MIDDLE END	STRIPS CTR	EDGE STRIPS
S1	180	TOP	*4 #200			*4 #200		
		BOTT	*4 #200			*4 #200		
S2	180	TOP	*4 #100			*4 #100		
		BOTT	*4 #150			*4 #150		
S3	180	TOP	*4 #150			*4 #150		
		BOTT	*4 #150			*4 #150		
S4	150	TOP	*3,4 #200	*3 #250		*3,4 #200	*3 #250	
		BOTT	*3 #400	*3 #200	*3 #250	*3 #400	*3 #200	*3 #250
S5	150	TOP	*3 #250	*3 #500	*3 #250	*3 #250	*3 #500	*3 #250
		BOTT	*3 #500	*3 #250	*3 #250	*3 #500	*3 #250	*3 #250



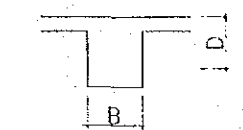
MARKS	P1
G.FL	
B3FL	
BARS	12-#8
HOOPS	*3 #200



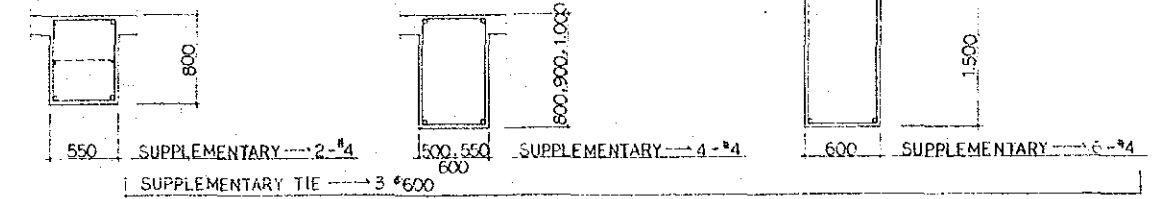
WALL



GIRDER

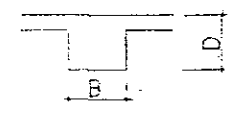


REMARKS

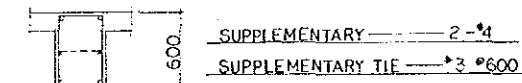


MARKS	G1		G2		G3		G4		G5		G6		G7					
	EXT. END	CTR. INT. FNC	END	CTR.	EXT. END	CTR. INT. END	END	CTR.	EXT. END	CTR. INT. END	END	CTR.	EXT. END	CTR. INT. END				
1FL	500 x 800		600 x 1500		600 x 1500		500 x 1000		500 x 1000		500 x 900		500 x 800					
POSITION	E x D		E x D		E x D		E x D		E x D		E x D		E x D					
TOP BARS	1-#8	9-#8	16-#8	8-#8	16-#8	8-#8	13-#8	12-#8	7-#8	9-#8	11-#8	6-#8	12-#8	15-#8	8-#8	14-#8	7-#8	11-#8
BOTT BARS	6-#8	13-#8	10-#8	9-#8	8-#8	9-#8	8-#8	7-#8	8-#8	11-#8	7-#8	7-#8	9-#8	10-#8	7-#8	9-#8	8-#8	7-#8
STIRRUPS	*4 #200		*4 #150		*4 #150		*4 #200		*4 #200		*4 #200		*4 #200					
G.FL	550 x 700		550 x 900		550 x 900		550 x 800		550 x 800		550 x 800		550 x 800					
POSITION	E x D		E x D		E x D		E x D		E x D		E x D		E x D					
TOP BARS	10-#8	5-#8	14-#8	7-#8	14-#8	7-#8	8-#8	4-#8	9-#8	5-#8	10-#8	5-#8	10-#8	5-#8				
BOTT BARS	6-#8	7-#8	7-#8	7-#8	7-#8	7-#8	4-#8	6-#8	5-#8	6-#8	5-#8	6-#8	5-#8	6-#8				
STIRRUPS	*4 #200		*4 #200		*4 #200		*4 #200		*4 #200		*4 #200		*4 #200					
B1FL	550 x 800		550 x 900		550 x 900		550 x 800		550 x 800		550 x 800		550 x 800					
POSITION	E x D		E x D		E x D		E x D		E x D		E x D		E x D					
TOP BARS	8-#8	5-#8	9-#8	14-#8	6-#8	16-#8	14-#8	7-#8	9-#8	5-#8	9-#8	5-#8	10-#8	5-#8				
BOTT BARS	6-#8	6-#8	5-#8	7-#8	7-#8	7-#8	7-#8	7-#8	5-#8	6-#8	5-#8	6-#8	6-#8	6-#8				
STIRRUPS	*4 #200		*4 #200		*4 #200		*4 #200		*4 #200		*4 #200		*4 #200					
B2FL	600 x 800		600 x 900		600 x 900		600 x 800		600 x 800		600 x 800		600 x 800					
POSITION	E x D		E x D		E x D		E x D		E x D		E x D		E x D					
TOP BARS	9-#8	5-#8	14-#8	7-#8	14-#8	7-#8	14-#8	7-#8	9-#8	5-#8	10-#8	5-#8	10-#8	5-#8				
BOTT BARS	5-#8	6-#8	7-#8	7-#8	7-#8	7-#8	5-#8	6-#8	5-#8	6-#8	5-#8	6-#8	5-#8	6-#8				
STIRRUPS	*4 #200		*4 #200		*4 #200		*4 #200		*4 #200		*4 #200		*4 #200					

BEAM



REMARKS



MARKS	b1		b2		b3		b4		b5	
	EXT. END	CTR. INT. END	END	CTR.	EXT. END	CTR. INT. END	END	CTR.	END	CTR.
POSITION	E x D		E x D		E x D		E x D		E x D	
TOP BARS	14-#8	13-#8	17-#8	6-#8	5-#8	3-#8	3-#8	16-#8	6-#8	3-#8
BOTT BARS	13-#8	15-#8	14-#8	5-#8	5-#8	3-#8	14-#8	15-#8	5-#8	4-#8
STIRRUPS	*3 #200		*3 #200		*3 #200		*3 #200		*3 #200	

FOUNDATION GIRDER

MARKS	FG1
POSITION	E x D
B x D	700 x 1000
TOP BARS	5-#8
BOTT BARS	3-#8
STIRRUPS	*4 #200

FOOTING

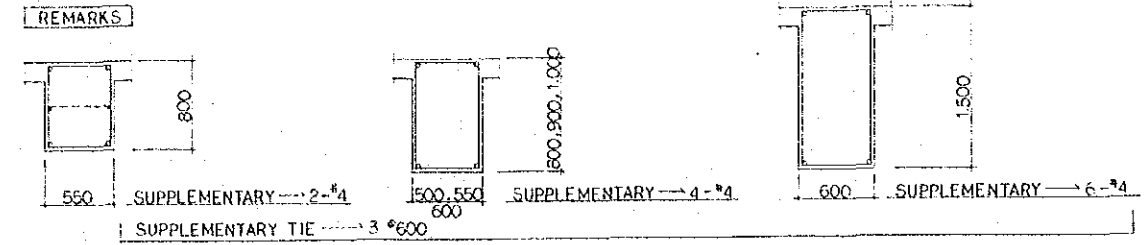
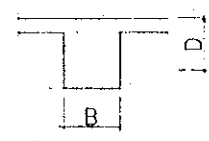
MARKS	F1		F2		F3		F4		F5		F6	
	A	B	A	B	A	B	A	B	A	B	A	B
SIZE	4.800	4.800	4.800	4.200	3.900	4.200	3.900	4.200	3.900	4.200	3.900	3.900
BARS	LONG DIRECTION: 42-#6		SHORT DIRECTION: 38-#6		LONG DIRECTION: 25-#6		SHORT DIRECTION: 20-#6		LONG DIRECTION: 27-#6		SHORT DIRECTION: 21-#6	

GENERAL NOTE

- CONCRETE f' = 4000 psi (COMPRESSIVE)
- REINFORCEMENT Gr 60 (fy = 60000 psi)
- STRUCTURAL STEEL Gr 36
- SOIL BEARING CAPACITY 8200 psf (40 t/m²)

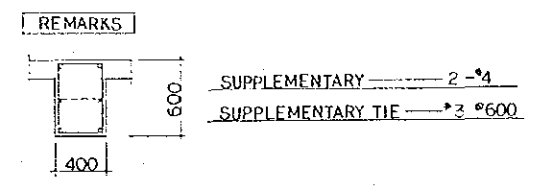
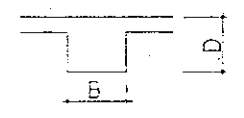
C2	C3	C4	C5
24-#8 #3 #200	36-#8 #3 #200	24-#8 #3 #200	28-#8 #3 #200
24-#8 #3 #200	32-#8 #3 #200	24-#8 #3 #200	20-#8 #3 #200
24-#8 #3 #200	32-#8 #3 #200	24-#8 #3 #200	24-#8 #3 #200
24-#8 #3 #200	32-#8 #3 #200	32-#8 #3 #200	24-#8 #3 #200

**GIRDER**



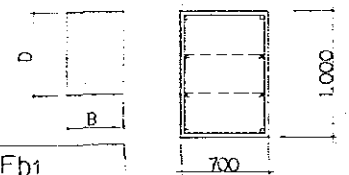
1FL	MARKS	G1		G2		G3		G4		G5		G6		G7		G8		G9	
	POSITION	EXT. END	CTR.	INT. END	END	CTR.	EXT. END	CTR.	INT. END	EXT. END	CTR.	INT. END	END	CTR.	EXT. END	CTR.	INT. END	END	CTR.
	B x D	500 x 800		600 x 1500		600 x 1500		500 x 1000		500 x 1000		500 x 800		500 x 800		500 x 800		500 x 800	
	TOP BARS	11-#8	9-#8	16-#8	15-#8	8-#8	16-#8	8-#8	13-#8	12-#8	7-#8	9-#8	11-#8	6-#8	12-#8	15-#8	8-#8	11-#8	15-#8
G.FL	MARKS	G1		G2		G3		G4		G5		G6		G7		G8			
	POSITION	END	CTR.	END	CTR.	END	CTR.	END	CTR.	END	CTR.	END	CTR.	END	CTR.	END	CTR.	END	CTR.
	B x D	550 x 700		550 x 900		550 x 900		550 x 800		550 x 800		550 x 800		550 x 800		550 x 800		550 x 700	
	TOP BARS	10-#8	5-#8	14-#8	7-#8	14-#8	7-#8	8-#8	4-#8	9-#8	5-#8	10-#8	5-#8	10-#8	5-#8	12-#8	6-#8	12-#8	6-#8
B1FL	MARKS	G1		G2		G3		G4		G5		G6		G7		G8			
	POSITION	EXT. END	CTR.	INT. END	EXT. END	CTR.	INT. END	END	CTR.	END	CTR.	END	CTR.	END	CTR.	END	CTR.	END	CTR.
	B x D	550 x 800		550 x 900		550 x 900		550 x 800		550 x 800		550 x 800		550 x 800		550 x 800		550 x 800	
	TOP BARS	8-#8	5-#8	9-#8	14-#8	6-#8	16-#8	14-#8	7-#8	9-#8	5-#8	9-#8	5-#8	10-#8	5-#8	11-#8	6-#8	11-#8	6-#8
B2FL	MARKS	G1		G2		G3		G4		G5		G6		G7		G8			
	POSITION	END	CTR.	END	CTR.	END	CTR.	END	CTR.	END	CTR.	END	CTR.	END	CTR.	END	CTR.	END	CTR.
	B x D	600 x 800		600 x 900		600 x 900		600 x 800		600 x 800		600 x 800		600 x 800		600 x 800		600 x 800	
	TOP BARS	9-#8	5-#8	14-#8	7-#8	14-#8	7-#8	9-#8	5-#8	9-#8	5-#8	10-#8	5-#8	10-#8	5-#8	10-#8	5-#8	10-#8	5-#8

**BEAM**



MARKS	b1		b2		b3		b4		b5		
	POSITION	EXT. END	CTR.	INT. END	END	CTR.	EXT. END	CTR.	INT. END	END	CTR.
	B x D	400 x 600		400 x 600		400 x 600		400 x 600		400 x 800	
	TOP BARS	14-#8	13-#8	17-#8	6-#8	3-#8	3-#8	13-#8	16-#8	6-#8	3-#8

**FOUNDATION GIRDER**



MARKS	FG1		Fd1	
	POSITION	END	CTR.	ALL SEC.
	B x D	700 x 1000		700 x 1000
	TOP BARS	5-#8	3-#8	3-#8

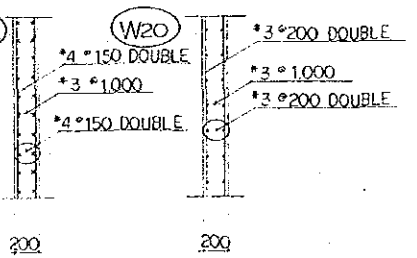
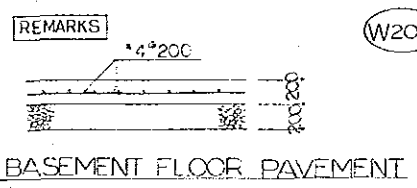
**FOOTING**

MARKS	ds	
POSITION	ALL SEC.	
B x D	400 x 600	
TOP BARS	3-#8	
BOTT. BARS	3-#8	
STIRRUPS	#3 #200	

MARKS	F1	F2	F3	F4	F5	F6	F7
	SIZE	A 4.800	4.800	4.200	3.900	4.200	3.900
	BARS	LONG DIRECTION: 42-#6	3E-#8	25-#6	20-#6	27-#6	21-#6

MAIN BARS	DIRECTION	DISTRIBUTING BARS	DIRECTION
MIDDLE STRIPS	EDGE STRIPS	MIDDLE STRIPS	EDGE STRIPS
END	CTR.	END	CTR.
#4 #200		#4 #200	
#4 #200		#4 #200	
#4 #100		#4 #100	
#4 #150		#4 #150	
#4 #150		#4 #150	
#4 #150		#4 #150	
#4 #200	#3 #250	#3 #200	#3 #250
#400	#3 #250	#3 #400	#3 #250
#250	#3 #500	#3 #250	#3 #500
#500	#3 #250	#3 #250	#3 #250

MARKS	P1	
G.FL		
B3FL		
BARS	12-#8	
HCOPS	#3 #200	



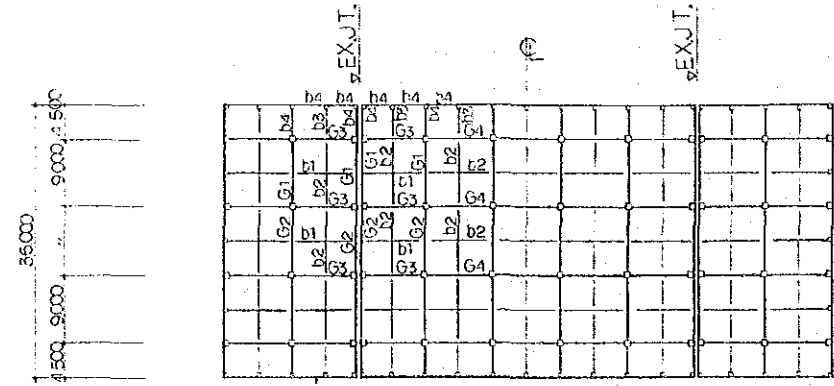
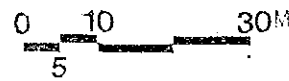
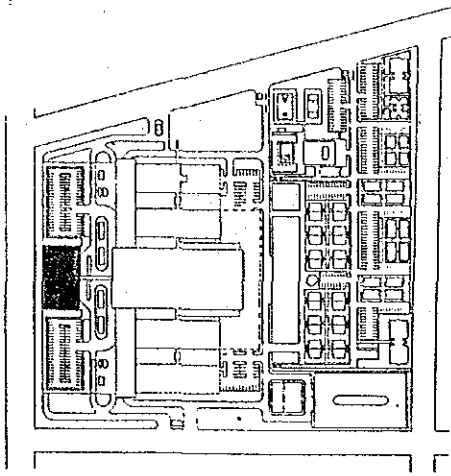
**WALL**

**GENERAL NOTE**

- CONCRETE: f' = 4000 psi (COMPRESSIVE STRENGTH AT 28 DAYS)
- REINFORCEMENT: Gr 60 (f\_y = 60000 psi)
- STRUCTURAL STEEL: Gr 36
- SOIL BEARING CAPACITY: 8200 psi (40 t/m²)

DETAIL OF SLAB





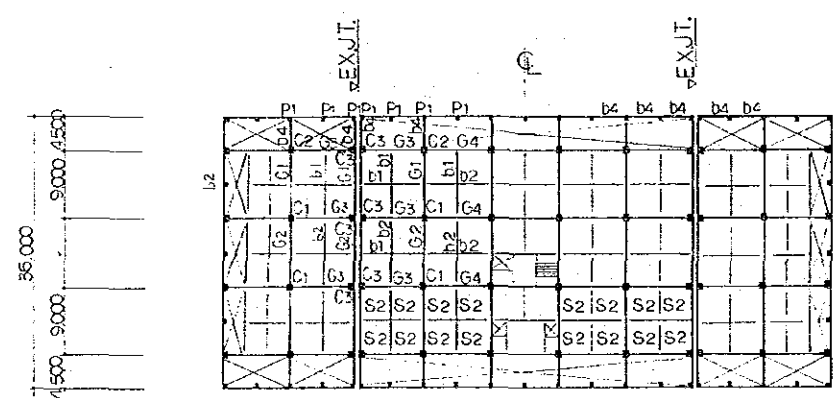
ROOF FLOOR

COLUMN

MARKS	C1	C2	C3
2 FL			
BARS	12 - #8	20 - #8	24 - #8
HOOPS	#3 @ 100	#3 @ 100	#3 @ 100
1 FL			
BARS	20 - #8	20 - #8	20 - #8
HOOPS	#3 @ 100	#3 @ 100	#3 @ 100

BEAM

MARKS	b1	b2
POSITION	END C.T.R. INT. END	END C.T.R.
B x D	400 x 600	400 x 600
TOP BARS	5 - #8 3 - #8 16 - #8	5 - #8 3 - #8
BOTT. BARS	3 - #8 4 - #8 13 - #8	3 - #8 4 - #8
STIRRUPS	#3 @ 200	#3 @ 200
MARKS	b4	
POSITION	ALL SEC.	
B x D	400 x 600	
TOP BARS	3 - #8	
BOTT. BARS	3 - #8	
STIRRUPS	#3 @ 200	



2nd FLOOR

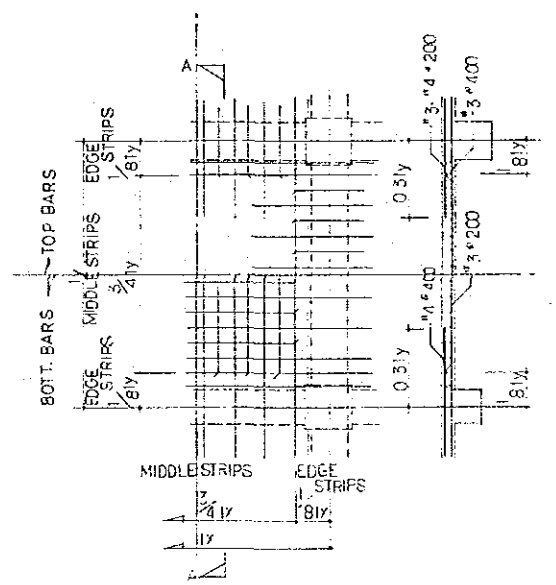
GIRDER

MARKS	P1
2 FL	
1 FL	
BARS	12 - #8
HOOPS	#3 @ 200

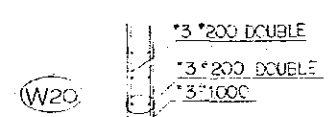
MARKS	G1		G2		G3		G4		
	EXT. END	C.T.R.	INT. END	END	C.T.R.	EXT. END	C.T.R.	INT. END	
R FL	450	600		450	600	450	600	450	600
TOP BARS	12 - #8	7 - #8	10 - #8	12 - #8	6 - #8	10 - #8	6 - #8	12 - #8	12 - #8
BOTT. BARS	11 - #8	10 - #8	7 - #8	6 - #8	9 - #8	6 - #8	10 - #8	9 - #8	8 - #8
STIRRUPS	#4 @ 200		#4 @ 200		#4 @ 200		#4 @ 200		
2 FL	450	800		450	800	450	800	450	800
TOP BARS	15 - #8	6 - #8	14 - #8	14 - #8	7 - #8	13 - #8	7 - #8	13 - #8	14 - #8
BOTT. BARS	6 - #8	9 - #8	8 - #8	8 - #8	9 - #8	8 - #8	9 - #8	8 - #8	8 - #8
STIRRUPS	#4 @ 200		#4 @ 200		#4 @ 200		#4 @ 200		

SLAB

MARKS	THICKNESS	TOP or BOTT	MAIN BARS DIRECTION			DISTRIBUTING BARS DIRECTION			REIN
			MIDDLE STRIPS END	STRIPS C.T.R.	EDGE STRIPS	MIDDLE STRIPS END	STRIPS C.T.R.	EDGE STRIPS	
S1	150	TOP	#3 @ 150			#3 @ 150			
		BOTT	#3 @ 150			#3 @ 150			
S2	150	TOP	#3 @ 200		#3 @ 250	#3 @ 200		#3 @ 250	
		BOTT	#3 @ 400	#3 @ 200	#3 @ 250	#3 @ 400	#3 @ 200	#3 @ 250	
S3	150	TOP	#3 @ 250	#3 @ 500	#3 @ 250	#3 @ 250	#3 @ 500	#3 @ 250	
		BOTT	#3 @ 500	#3 @ 250	#3 @ 250	#3 @ 500	#3 @ 250	#3 @ 250	

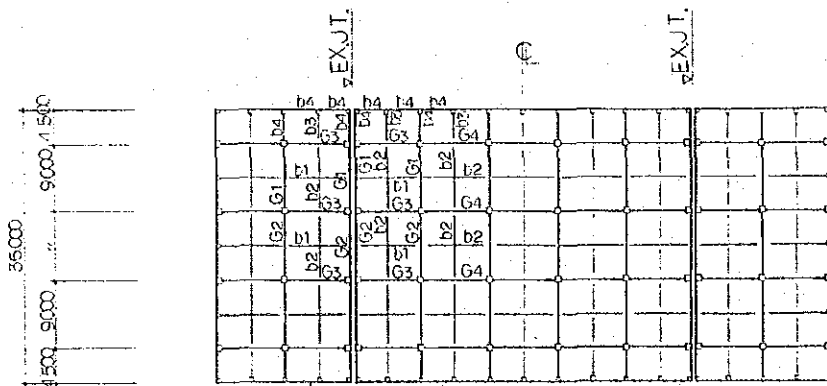


ARRANGEMENT OF BARS (TYPE S2)

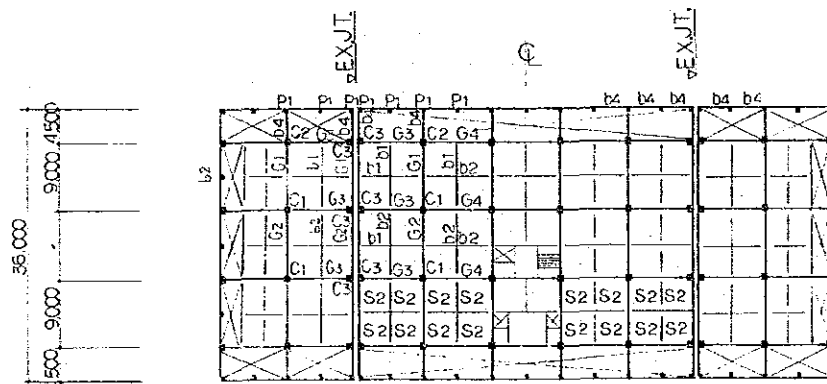


WALL

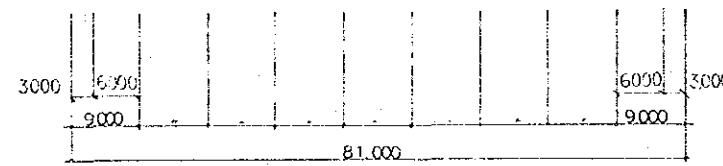
UNLESS OTHERWISE NOTED:  
SLAB R.F.L. - S2  
2.FL - S1



ROOF FLOOR



2nd FLOOR

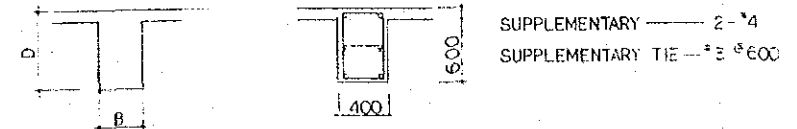


UNLESS OTHERWISE NOTED  
SLAB R.F.L. - S3  
2.FL. - S1

COLUMN

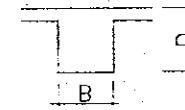
MARKS	C1	C2	C3
2 FL			
BARS	12 - #8	20 - #8	24 - #8
HOOPS	#3 @ 100	#3 @ 100	#3 @ 100
1 FL			
BARS	20 - #8	20 - #8	20 - #8
HOOPS	#3 @ 100	#3 @ 100	#3 @ 100

BEAM



MARKS	b1	b2	b3
POSITION	EXT. END C.T.R. INT. END	EXT. END C.T.R. INT. END	EXT. END C.T.R. INT. END
B x D	400 x 600	400 x 600	400 x 600
TOP BARS	5-#8, 3-#8, 16-#8	5-#8, 3-#8, 3-#8, 3-#8, 5-#8	5-#8, 3-#8, 3-#8, 3-#8, 3-#8
BOTT. BARS	3-#8, 4-#8, 3-#8	3-#8, 4-#8, 3-#8, 3-#8, 3-#8	3-#8, 3-#8, 3-#8, 3-#8, 3-#8
STIRRUPS	#3 @ 200	#3 @ 200	#3 @ 200
MARKS	b4		
POSITION	ALL SEC.		
B x D	400 x 600		
TOP BARS	3-#8		
BOTT. BARS	3-#6		
STIRRUPS	#3 @ 200		

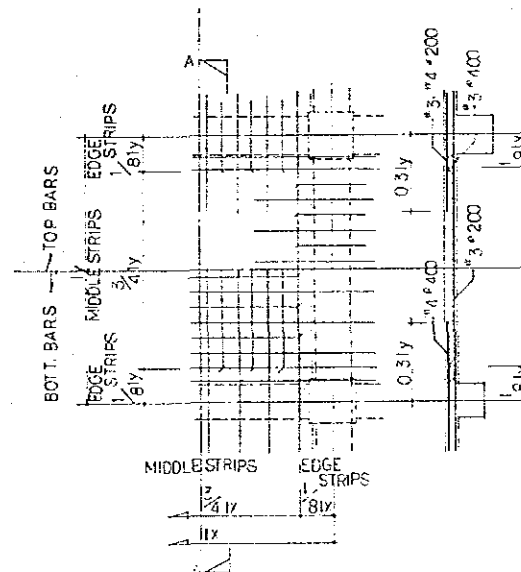
GIRDER



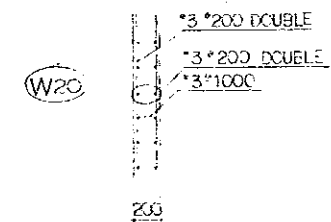
MARKS	P1	G1				G2		G3			G4		REMARKS
2 FL		EXT. END	C.T.R.	INT. END	END	C.T.R.	EXT. END	C.T.R.	INT. END	END	C.T.R.	 SUPPLEMENTARY 2 #4 SUPPLEMENTARY TIE - #3 @ 600	
1 FL													
BARS	12 - #8	12 - #8	7 - #8	10 - #8	12 - #8	6 - #8	10 - #8	6 - #8	12 - #8	12 - #8	6 - #8	 SUPPLEMENTARY 4 #4 SUPPLEMENTARY TIE - #3 @ 600	
HOOPS	#3 @ 200	#4 @ 200	#4 @ 200	#4 @ 200	#4 @ 200	#4 @ 200	#4 @ 200	#4 @ 200	#4 @ 200	#4 @ 200	#4 @ 200		
2 FL		EXT. END	C.T.R.	INT. END	END	C.T.R.	EXT. END	C.T.R.	INT. END	EXT. END	C.T.R.	INT. END	
B x D		450 x 800	450 x 800	450 x 800	450 x 800	450 x 800	450 x 800	450 x 800	450 x 800	450 x 800	450 x 800	450 x 800	
TOP BARS		15 - #8	8 - #8	14 - #8	14 - #8	7 - #8	13 - #8	7 - #8	13 - #8	13 - #8	7 - #8	14 - #8	
BOTT. BARS		8 - #8	9 - #8	8 - #8	8 - #8	9 - #8	8 - #8	9 - #8	9 - #8	6 - #8	6 - #8	8 - #8	
STIRRUPS		#4 @ 200	#4 @ 200	#4 @ 200	#4 @ 200	#4 @ 200	#4 @ 200	#4 @ 200	#4 @ 200	#4 @ 200	#4 @ 200	#4 @ 200	

SLAB

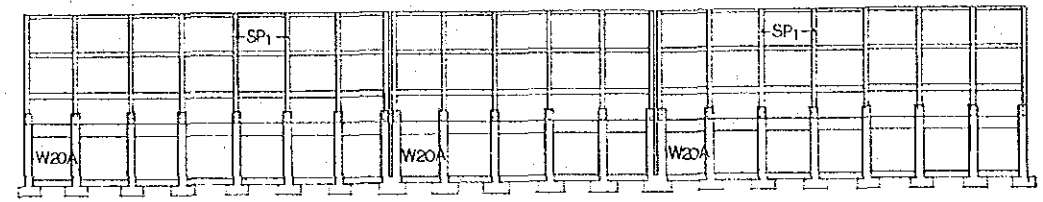
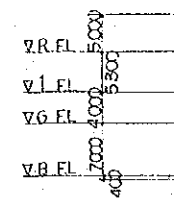
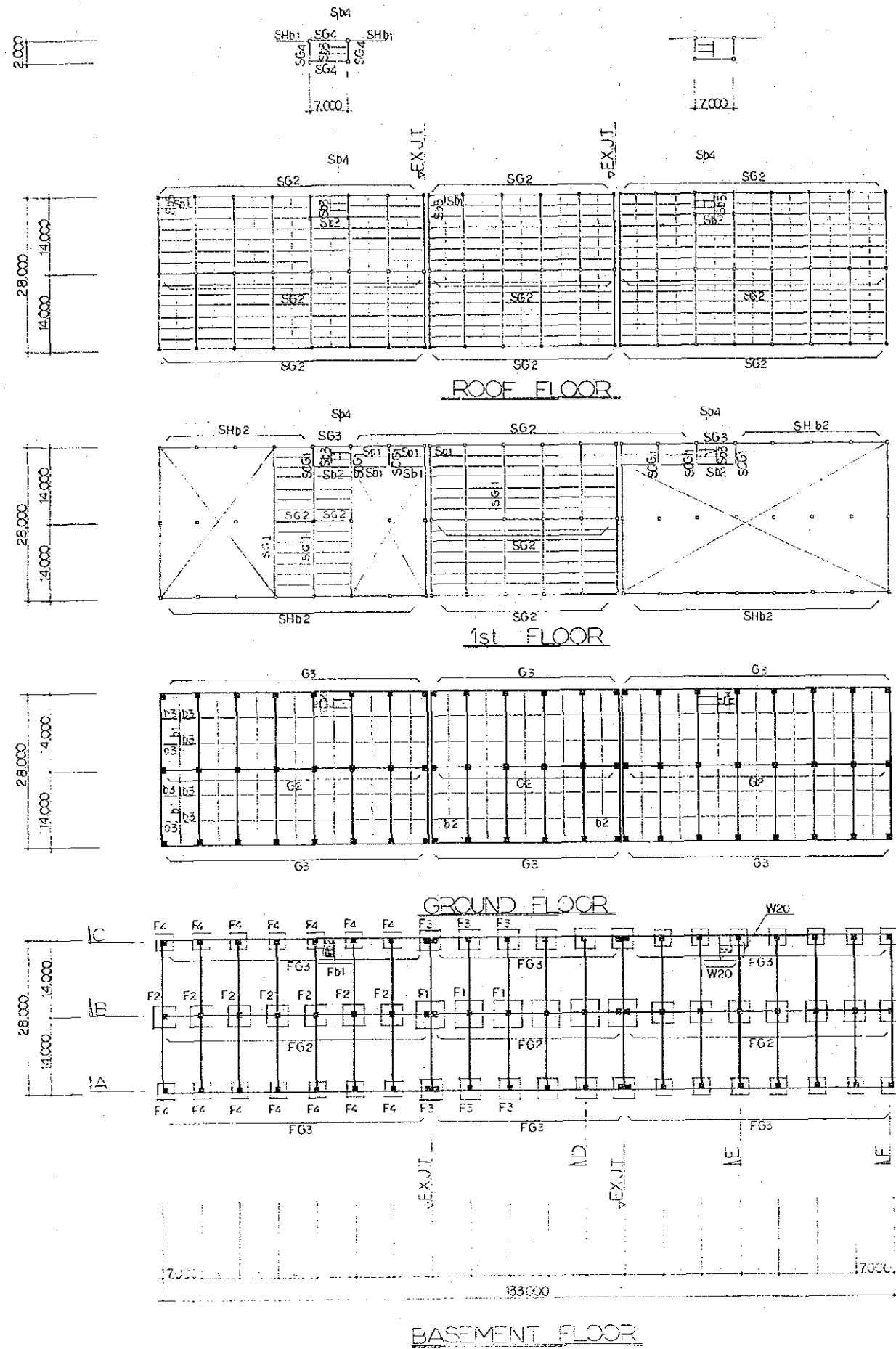
MARKS	THICKNESS	TOP or BOTT.	MAIN BARS DIRECTION			DISTRIBUTING BARS DIRECTION			REMARKS
			MIDDLE STRIPS	EDGE STRIPS		MIDDLE STRIPS	EDGE STRIPS		
			END	C.T.R.		END	C.T.R.		
S1	150	TOP	#3 #4 @ 150			#3 #4 @ 150			
		BOTT.	#3 #4 @ 150			#3 #4 @ 150			
S2	150	T.O.P.	#3 #4 @ 200		#3 #250	#3 #4 @ 200		#3 #250	
		BOTT.	#3 #400	#3 #200	#3 #250	#3 #400	#3 #200	#3 #250	
S3	150	T.O.P.	#3 #250	#3 #500	#3 #250	#3 #250	#3 #500	#3 #250	
		BOTT.	#3 #500	#3 #250	#3 #250	#3 #500	#3 #250	#3 #250	



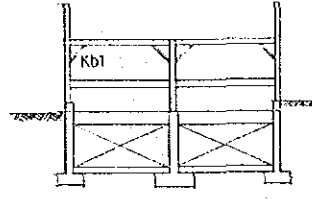
ARRANGEMENT OF BARS (TYPE S2)



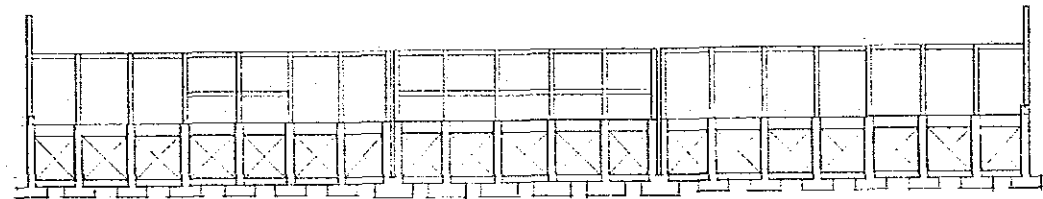
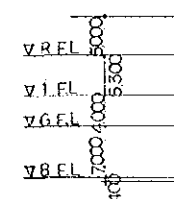
WALL



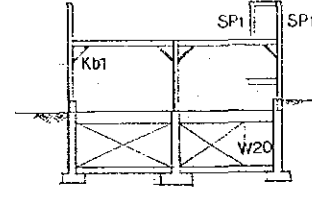
C - FRAMING ELEVATION



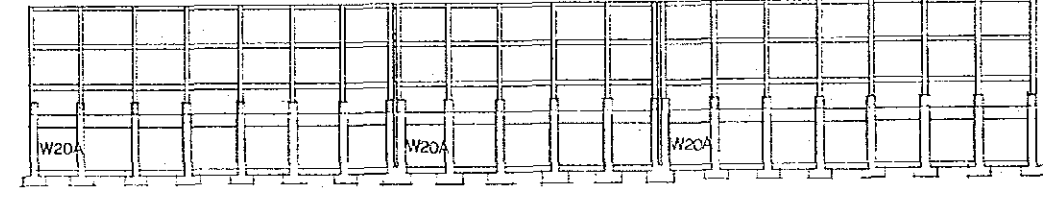
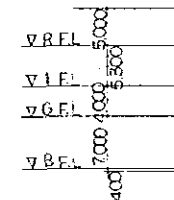
D - FRAMING ELEVATION



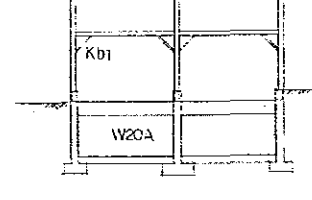
B - FRAMING ELEVATION



E - FRAMING ELEVATION



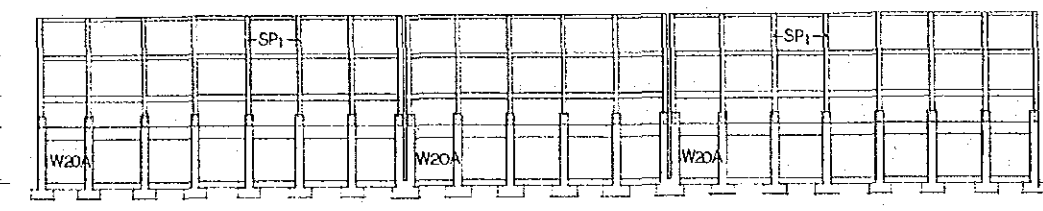
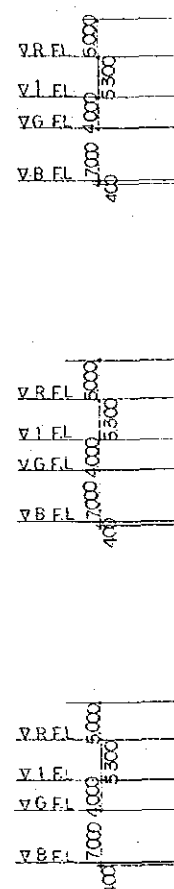
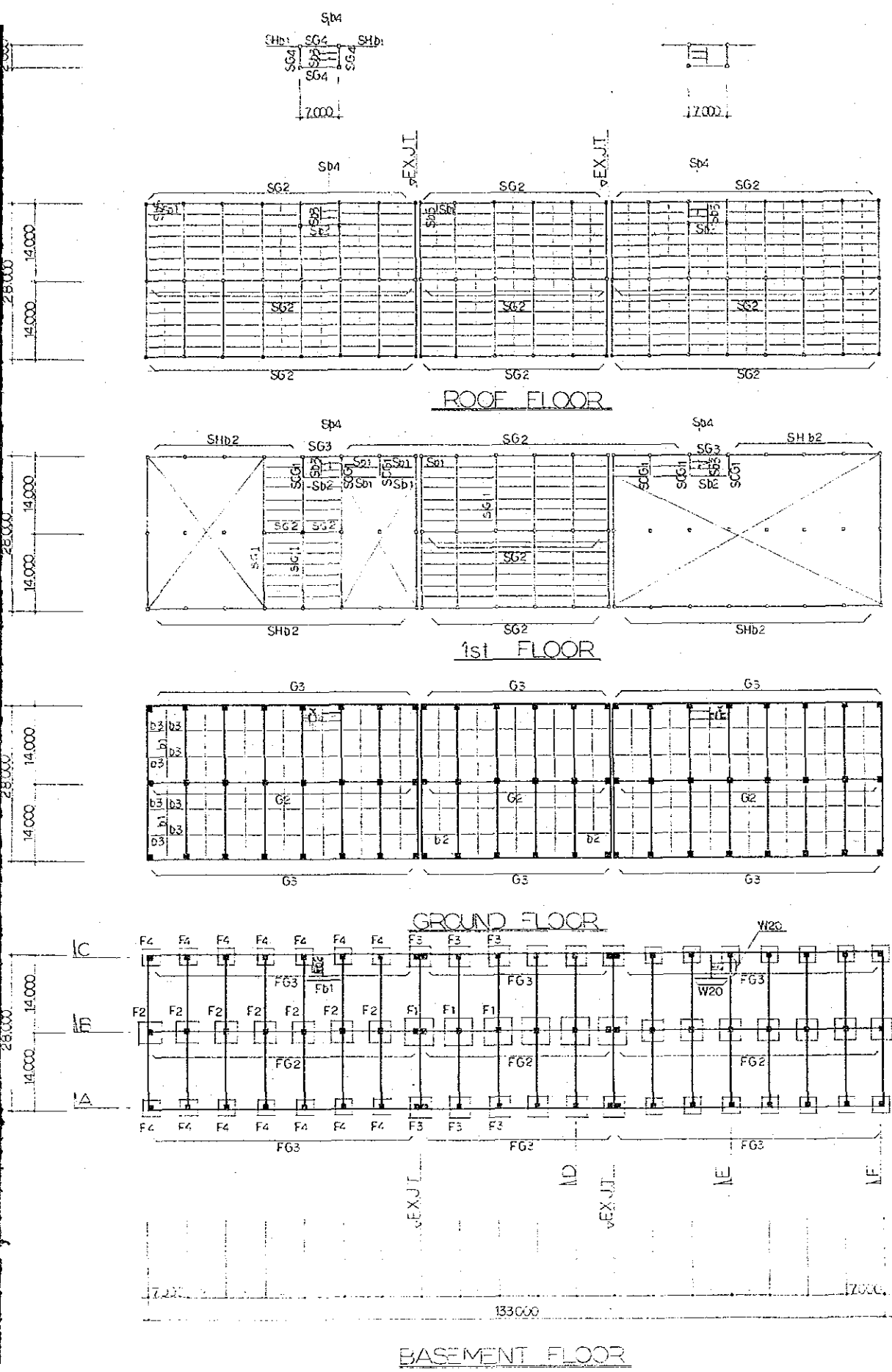
L - FRAMING ELEVATION



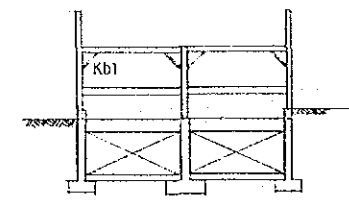
F - FRAMING ELEVATION

FRAMING PLAN  
UNLESS OTHERWISE NOTED  
FOUNDATION GIRDER - FG1  
GROUND FLOOR GIRDER - G1  
ROOF FLOOR GIRDER - SG1  
1ST FLOOR

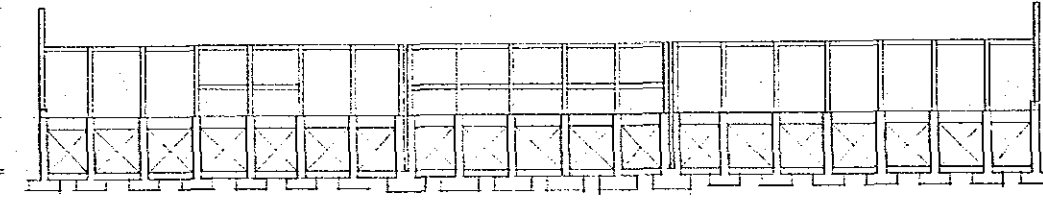
FRAMING ELEVATION  
UNLESS OTHERWISE NOTED  
R. EL - COLUMN - SP2  
G. EL. 1.FL - COLUMN - SC1  
B. EL. - COLUMN - C1



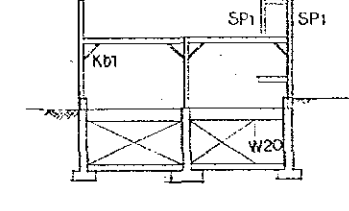
C - FRAMING ELEVATION



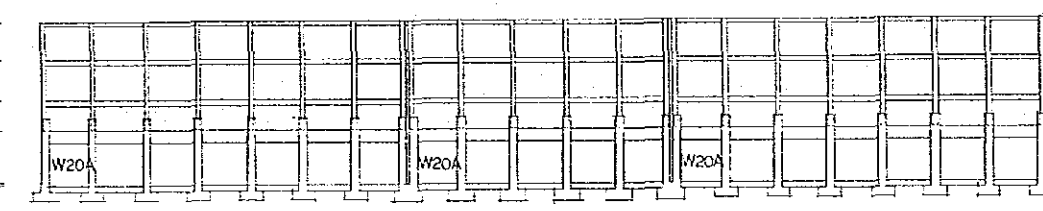
D - FRAMING ELEVATION



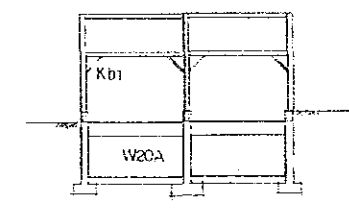
B - FRAMING ELEVATION



E - FRAMING ELEVATION



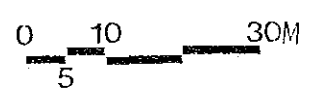
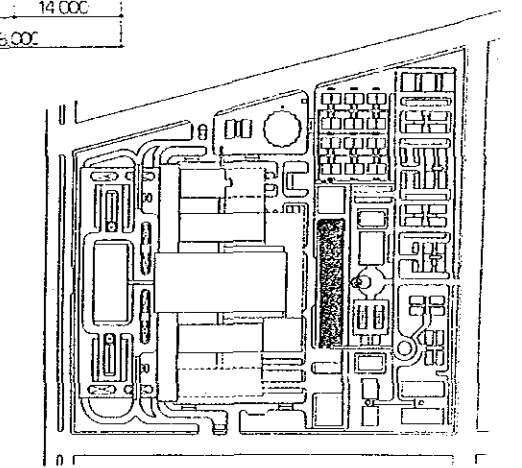
A - FRAMING ELEVATION



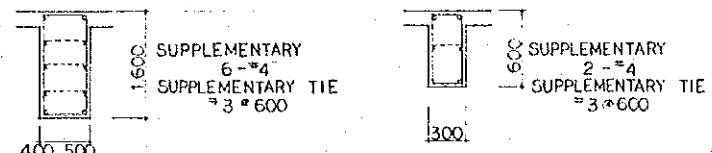
F - FRAMING ELEVATION

FRAMING PLAN  
UNLESS OTHERWISE NOTED  
FOUNDATION GIRDER - FG1  
GROUND FLOOR GIRDER - G1  
ROOF FLOOR GIRDER - SG1  
1st FLOOR GIRDER - SG1

FRAMING ELEVATION  
UNLESS OTHERWISE NOTED  
R. EL - COLUMN - SP2  
G. EL. I.F.L. - COLUMN - SC1  
B. EL - COLUMN - C1

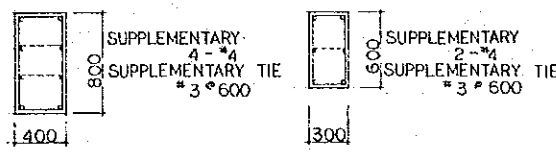


**GIRDER AND BEAM (CONCRETE)**



G. FL	MARKS	G 1			G 2		G 3	D1			D2		D3
		POSITION	EXT. END	CTR.	INT. END	END	CTR.	ALL SEC.	EXT. END	CTR.	INT. END	END	CTR.
	E x D	500 X 1600			400 X 1600		400 X 1600	500 X 1600			400 X 1600		300 X 600
	TOP BARS	5-#8	5-#8	14-#8	10-#8	5-#8	5-#8	5-#8	5-#8	14-#8	6-#8	2-#8	3-#8
	BOTT. BARS	4-#3	7-#8	8-#8	5-#8	10-#8	5-#8	3-#8	9-#8	5-#8	3-#8	6-#8	3-#8
	STIRRUPS	#4 @ 150			#4 @ 150		#4 @ 150	#4 @ 150			#4 @ 150		#3 @ 200

**FOUNDATION GIRDER AND BEAM (CONCRETE)**



B. FL	MARKS	FG 1			FG 2		FG 3	FB 1		FB 2
		POSITION	EXT. END	CTR.	INT. END	END	CTR.	ALL SEC.	END	CTR.
	B x D	400 X 800			400 X 900		400 X 800	400 X 800		300 X 600
	TOP BARS	6-#8	3-#8	3-#8	4-#8	5-#8	3-#8	6-#8	3-#8	3-#8
	BOTT. BARS	3-#8	3-#8	3-#8	4-#8	3-#8	3-#8	4-#8	6-#8	3-#8
	STIRRUPS	#4 @ 200			#4 @ 200		#4 @ 150	#4 @ 200		#3 @ 200

**GIRDER AND BEAM (STEEL)**

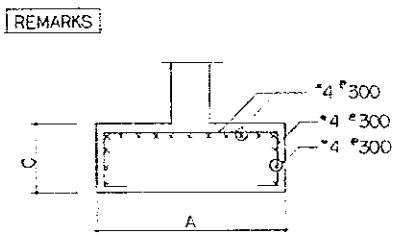
MARKS	MEMBER OF FRAMEWORK
SG 1	W 35 x 170
SG 2	W 24 x 62
SG 3	W 27 x 84
SG 4	W 18 x 60
SCG 1	W 24 x 62
Sb 1	W 24 x 62
Sb 2	W 27 x 84
Sb 3	W 18 x 60
SD 4	W 14 x 38
SHD 1	HP - 10 x 42
SHD 2	HP - 14 x 73
KD 1	W 10 x 120

**COLUMN (CONCRETE)**

MARKS	C 1
B. FL	
BARS	32-#8
HOOPS	#4 @ 150

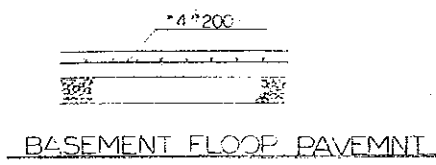
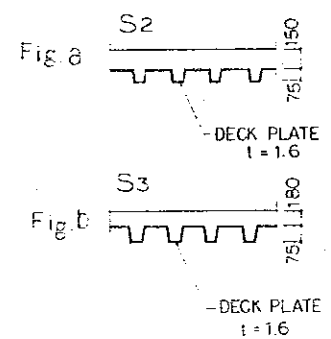
**FOOTING**

MARKS	F 1	F 2	F 3	F 4
SIZE	5,000	4,000	3,500	3,000
BARS	25-#7	20-#7	20-#6	16-#6



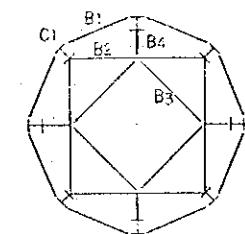
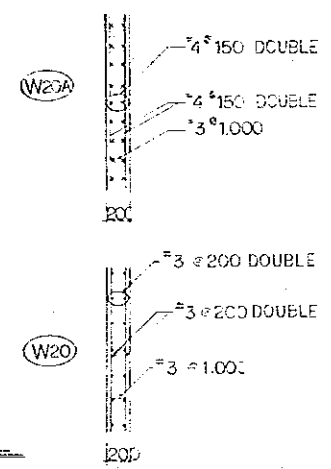
**SLAB**

MARKS	THICKNESS	TOP or BOTT.	MAIN BARS DIRECTION			DISTRIBUTING BARS DIRECTION			REMARKS
			MIDDLE STRIPS	EDGE STRIPS	END	MIDDLE STRIPS	EDGE STRIPS	END	
S1	180	TOP	4-#150			3-#200			
		BOTT.	4-#150			3-#200			
S2	REFER TO Fig. a	TOP	4-#150			3-#200			
		BOTT.	4-#150			3-#200			
S3	REFER TO Fig. b	TOP	4-#150			3-#200			
		BOTT.	4-#150			3-#200			



**COLUMN (STEEL)**

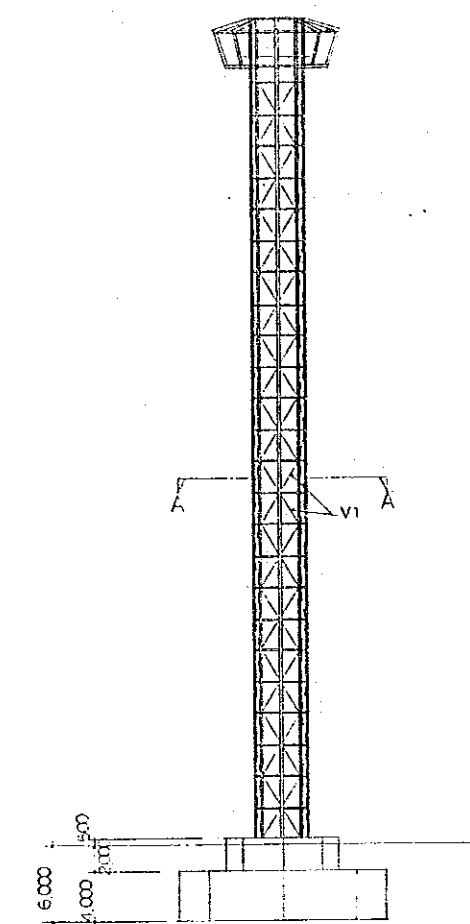
MARKS	MEMBER OF FRAMEWORK
SC 1	CI - 30x30 x 1 1/2
SP 1	HP - 12 x 62
SP 2	W - 12 x 40



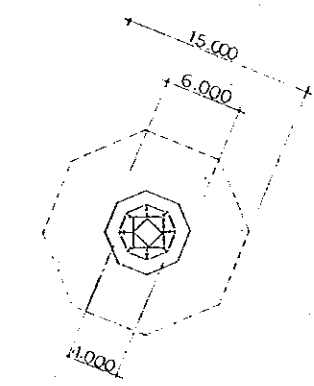
A-A SECTION

**LIST**

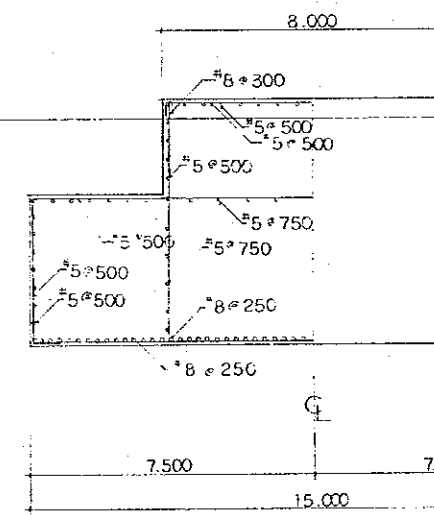
MARKS	
C1	
B1	
B2	
B3	
B4	
V1	



FRAMING ELEVATION



FRAMING PLAN



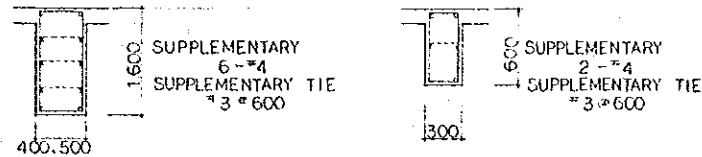
FOOTING

**HIGH WATER TANK**

GENERAL NOTE

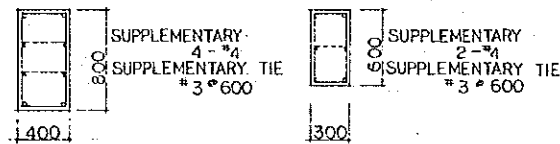
CONCRETE	f <sub>c</sub> = 4000 psi (COMPRESSIVE STRENGTH AT 28 DAYS)
REINFORCEMENT	Gr 60 (f <sub>y</sub> = 60000 psi)
STRUCTURAL STEEL	Gr 36
SOIL BEARING CAPACITY	8200 psi (140 T/m <sup>2</sup> )

BEAM (CONCRETE)



G1		G2		G3		D1			D2		D3							
CTR.	INT. END	END	CTR.	ALL SEC.		EXT. END	CTR.	INT. END	END	CTR.	ALL SEC.							
500	X	1600	400	X	1600	400	X	1600	500	X	1600	400	X	1600	300	X	600	
8	15	#8	14	#8	10	#8	5	#8	5	#8	5	#8	14	#8	6	#8	3	#8
3	17	#8	8	#8	5	#8	10	#8	5	#8	3	#8	9	#8	5	#8	3	#8
#4	#150		#4	#150		#4	#150		#4	#150		#4	#150		#4	#150	#3	#200

GIRDER AND BEAM (CONCRETE)



FG1		FG2		FG3		FD1		FD2						
CTR.	INT. END	END	CTR.	ALL SEC.		END	CTR.	ALL SEC.						
500	X	800	400	X	900	400	X	800	400	X	800	300	X	600
8	13	#8	3	#8	4	#8	3	#8	3	#8	6	#8	3	#8
8	13	#8	3	#8	4	#8	3	#8	3	#8	4	#8	6	#8
#4	#200		#4	#200		#4	#150		#4	#200		#4	#200	

GIRDER AND BEAM (STEEL)

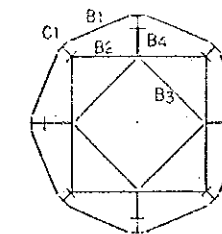
MARKS	MEMBER OF FRAMEWORK
SG1	W 36 x 170
SG2	W 24 x 62
SG3	W 27 x 84
SG4	W 18 x 60
SCG1	W 24 x 62
Sb1	W 24 x 62
Sb2	W 27 x 84
Sb3	W 18 x 60
Sb4	W 12 x 38
SHb1	HP - 10 x 42
SHb2	HP - 14 x 73
Kd1	W 10 x 120

COLUMN (STEEL)

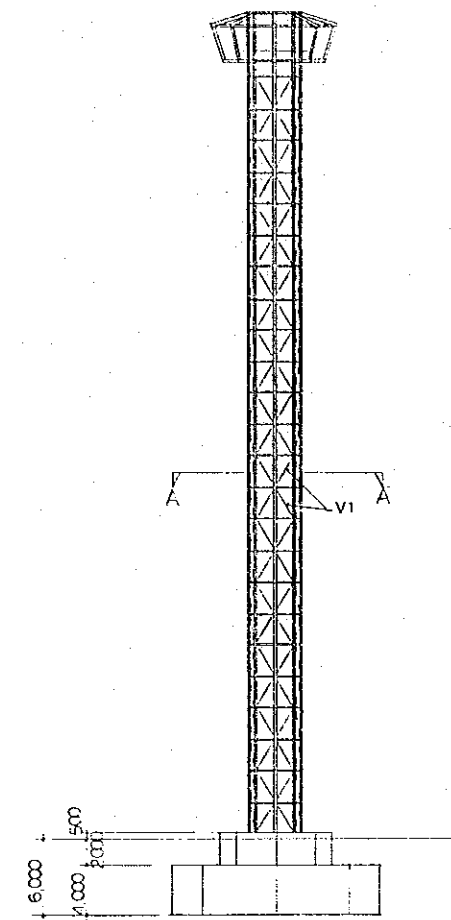
MARKS	MEMBER OF FRAMEWORK
SC1	C - 30 x 30 x 1 1/2
SP1	HP - 12 x 63
SP2	W - 12 x 40

LIST

MARKS	MEMBER OF FRAMEWORK
C1	W - 30 x 211
B1	W - 6 x 15
B2	W - 6 x 15
B3	W - 6 x 15
B4	L - 4 x 4 x 7/16
V1	C - 6 x 0.432"



A-A SECTION



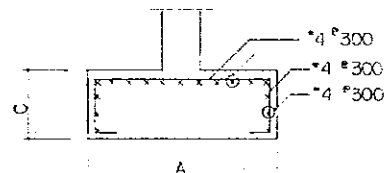
FRAMING ELEVATION

CONCRETE)

FOOTING

MARKS	F1	F2	F3	F4
SIZE	5.000	4.000	3.500	3.000
BARS	25-#7	20-#7	20-#6	16-#6

REMARKS



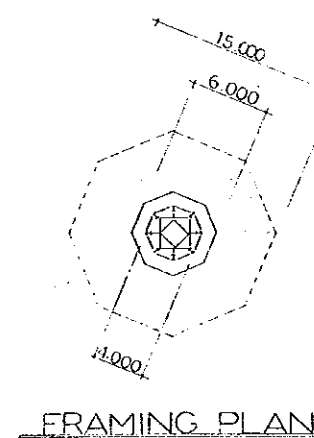
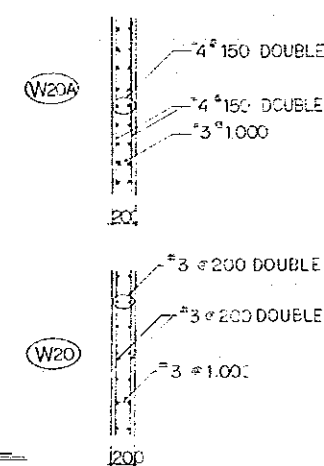
SLAB

MARKS	THICKNESSES	TOP or BOT.	MAIN BARS DIRECTION			DISTRIBUTING BARS DIRECTION			REMARKS
			END	CTR.	EDGE STRIPS	END	CTR.	EDGE STRIPS	
S1	180	TOP	#4 #150		#3 #200				
		BOTT.	#4 #150		#3 #200				
S2	REFER TO Fig. 8	TOP	#4 #150		#3 #200				
		BOTT.	#4 #150		#3 #200				
S3	REFER TO Fig. 8	TOP	#4 #150		#3 #200				
		BOTT.	#4 #150		#3 #200				

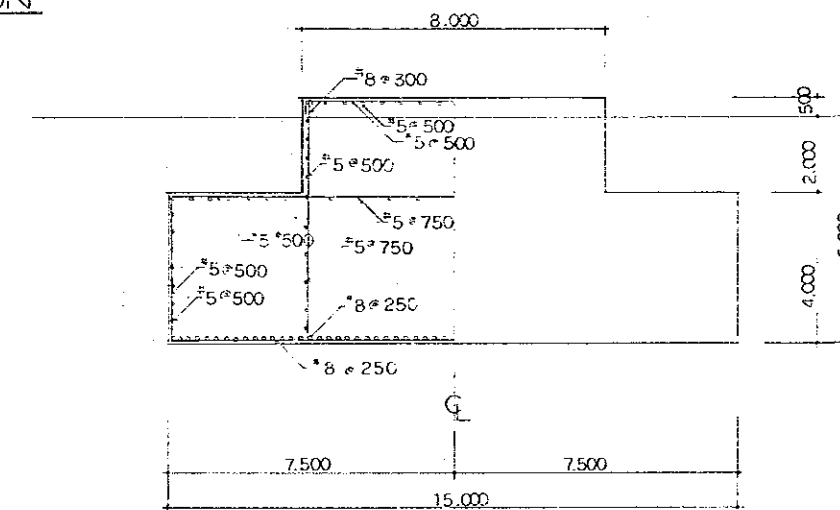


BASEMENT FLOOR PAVEMENT

WALL



FRAMING PLAN

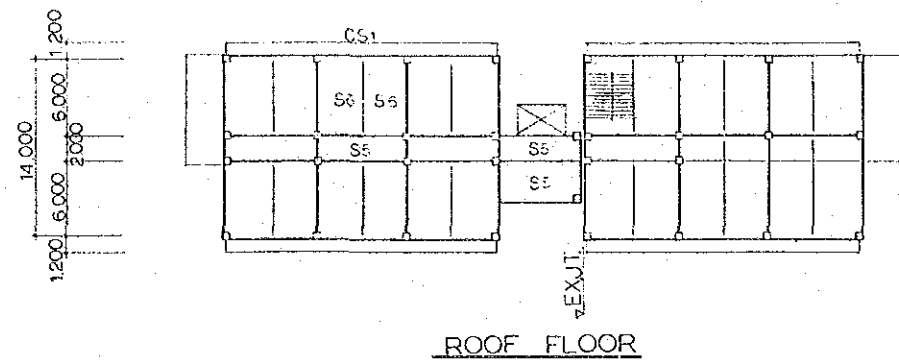


FOOTING

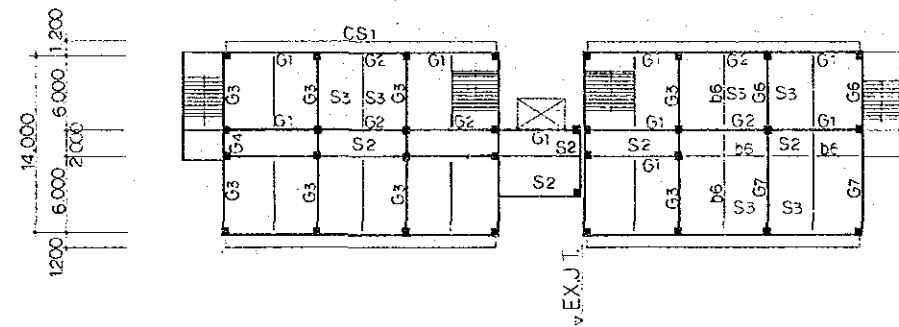
HIGH WATER TANK

GENERAL NOTE

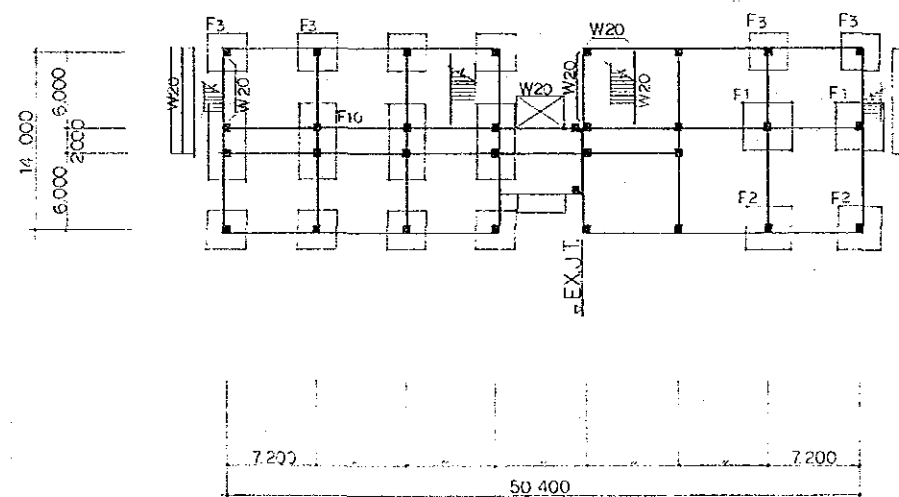
CONCRETE	f'c = 4000 psi (COMPRESSIVE STRENGTH AT 28 DAYS)
REINFORCEMENT	Gr 60 (f' = 60000 psi)
STRUCTURAL STEEL	Gr 36
SOIL BEARING CAPACITY	8200 psi (40 L/in <sup>2</sup> )



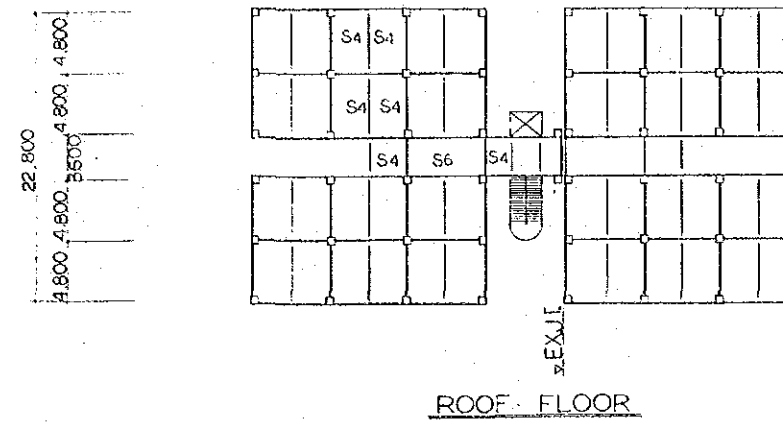
ROOF FLOOR



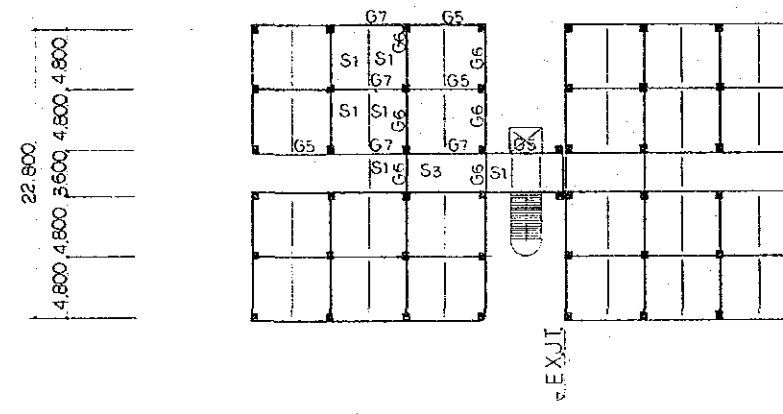
TYPICAL FLOOR  
(1st - 6th)



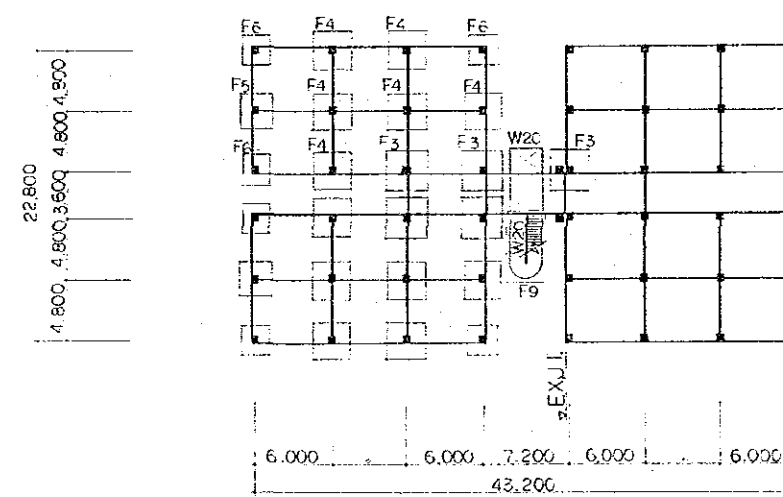
GROUND FLOOR



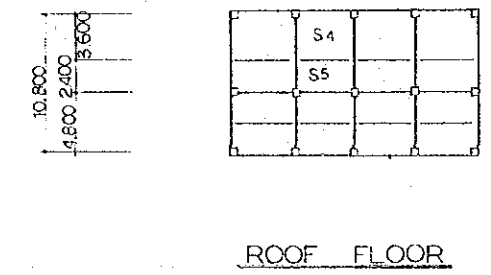
ROOF FLOOR



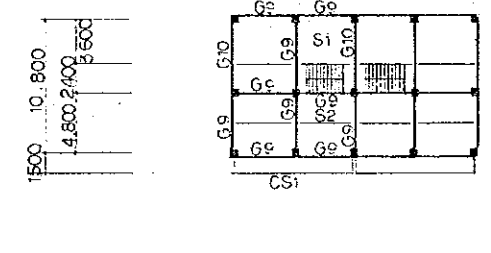
TYPICAL FLOOR  
(1st - 7th)



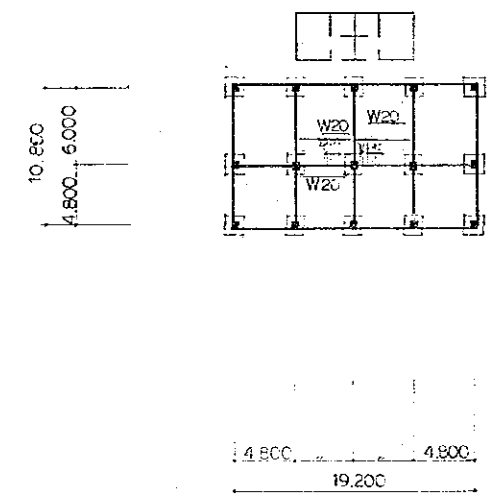
GROUND FLOOR



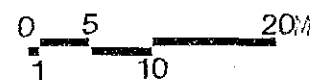
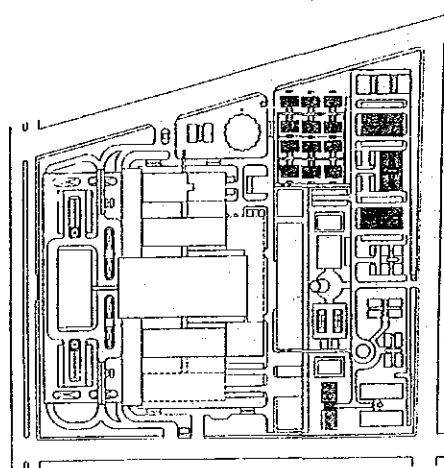
ROOF FLOOR



1st FLOOR



GROUND FLOOR



UNLESS OTHERWISE NOTED

COLUMN - C1  
BEAM - B1  
FOUNDATION GIRDER - FG1  
FOUNDATION BEAM - FB1

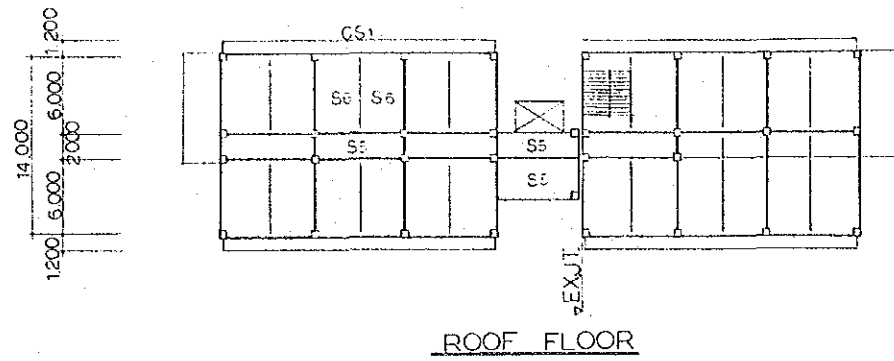
APARTMENTS FOR FEMALE PARA-MEDICAL

UNLESS OTHERWISE NOTED

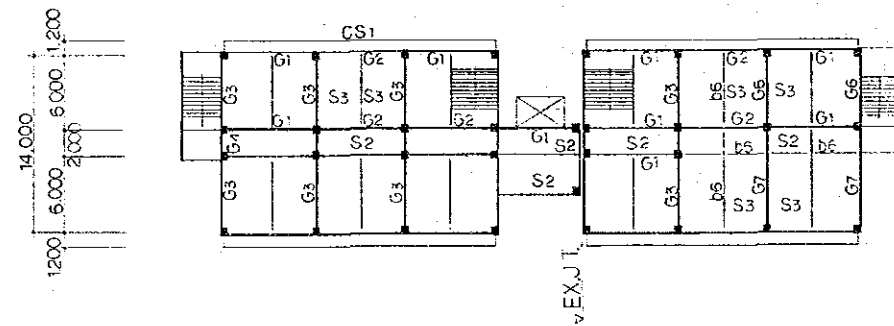
COLUMN - C1  
BEAM - B1  
FOUNDATION GIRDER - FG1  
FOUNDATION BEAM - FB1

APARTMENTS FOR MARRIED DOCTORS

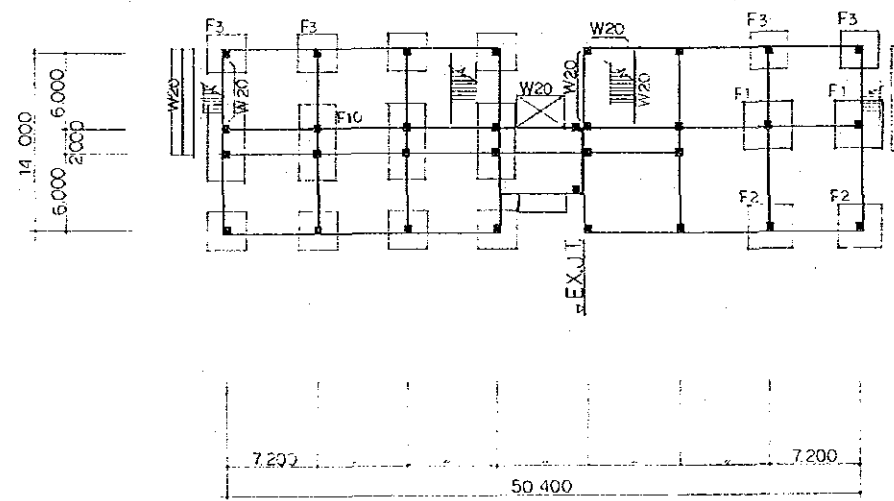
VILLAS FOR MARRIED STAFFS



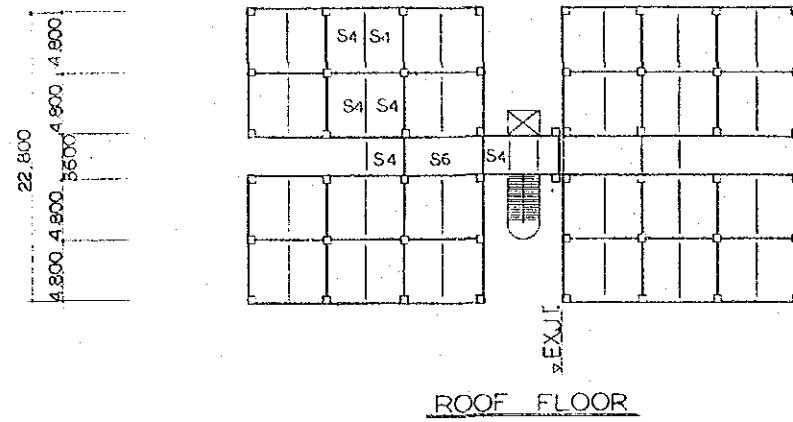
ROOF FLOOR



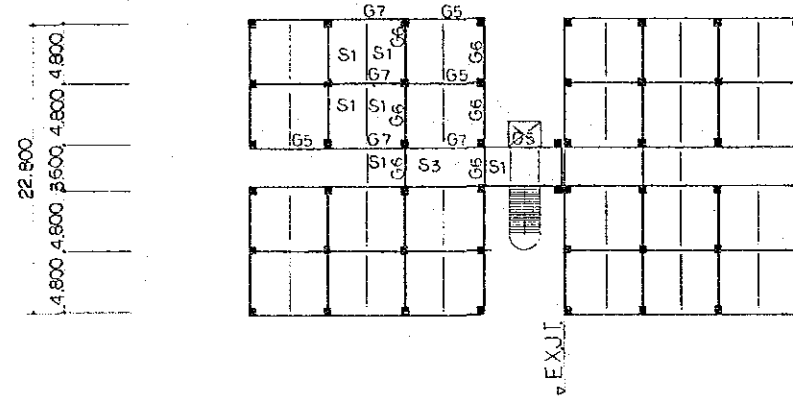
TYPICAL FLOOR  
(1st ~ 6th)



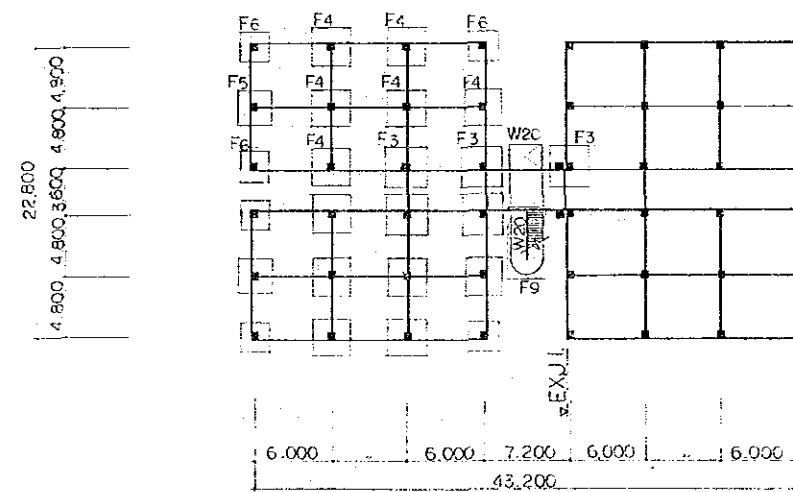
GROUND FLOOR



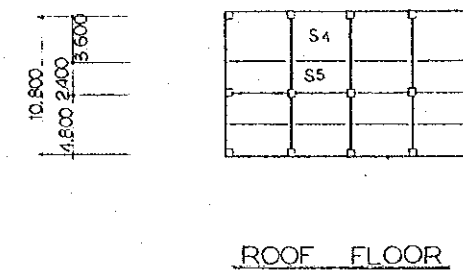
ROOF FLOOR



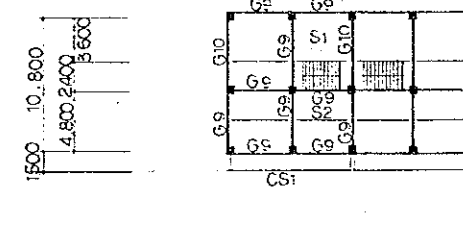
TYPICAL FLOOR  
(1st ~ 7th)



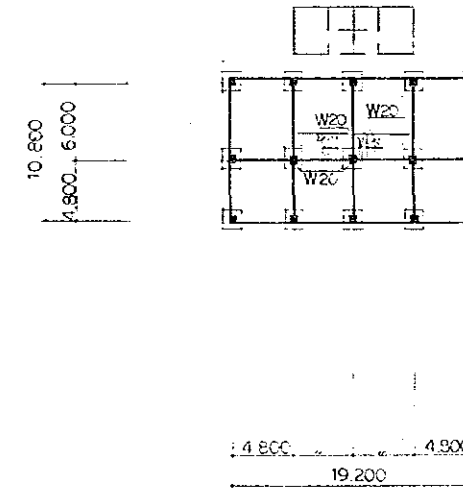
GROUND FLOOR



ROOF FLOOR



1st FLOOR



GROUND FLOOR

APARTMENTS FOR FEMALE PARA-MEDICAL

UNLESS OTHERWISE NOTED  
 COLUMN - C1  
 BEAM - B1  
 FOUNDATION GIRDER - FG1  
 FOUNDATION BEAM - FB1

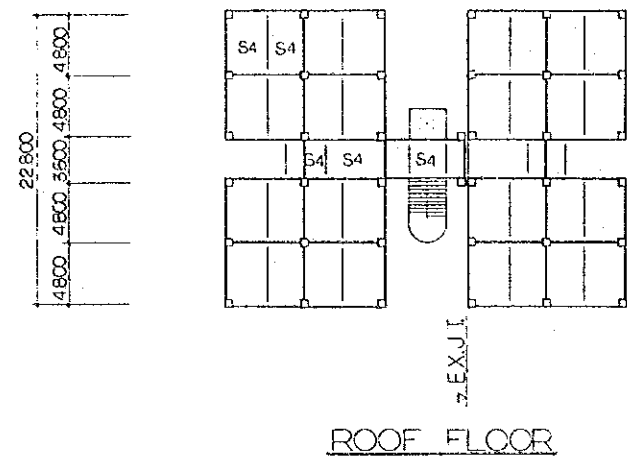
APARTMENTS FOR MARRIED DOCTORS

UNLESS OTHERWISE NOTED  
 COLUMN - C1  
 BEAM - B4  
 FOUNDATION GIRDER - FG1  
 FOUNDATION BEAM - FB1

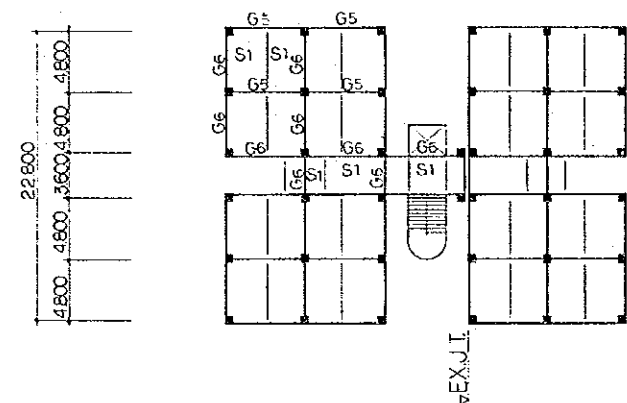
VILLAS FOR MARRIED STAFFS

UNLESS OTHERWISE NOTED  
 FOOTING - FZ  
 COLUMN - C2  
 BEAM - B2  
 FOUNDATION GIRDER - FG2  
 BEAM - B2

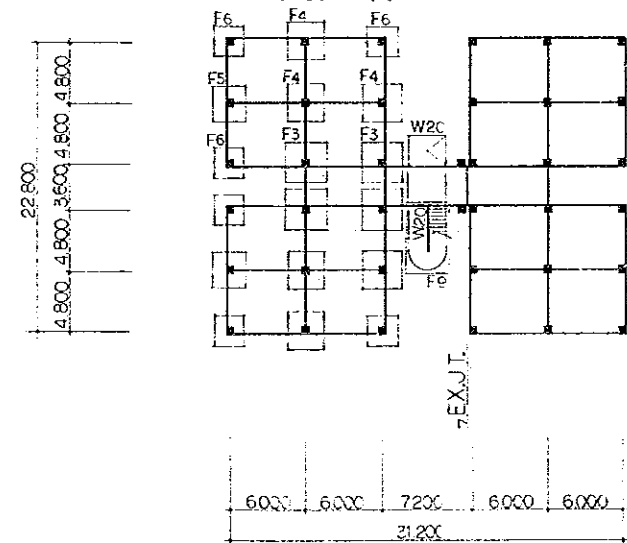




ROOF FLOOR



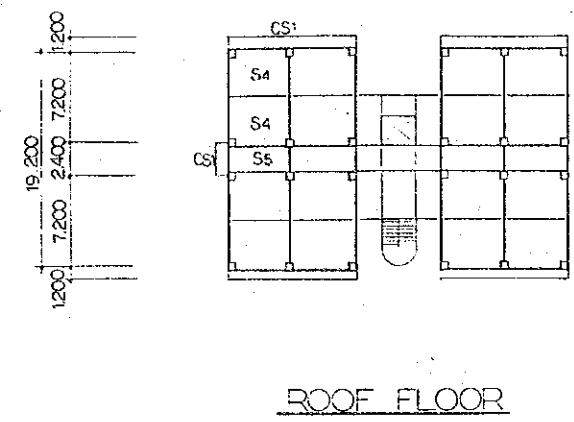
TYPICAL FLOOR  
(1st ~ 7th)



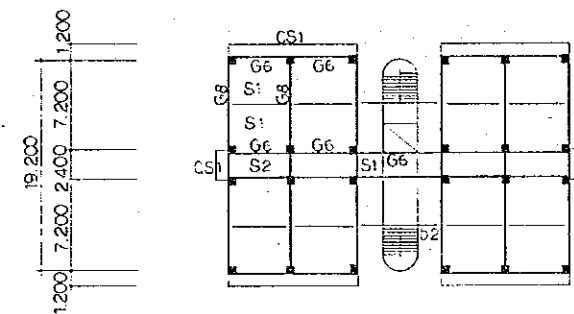
GROUND FLOOR

UNLESS OTHERWISE NOTED  
 COLUMN - C1 FOUNDATION GIRDER - FG1  
 BEAM - B1 FOUNDATION BEAM - FB1

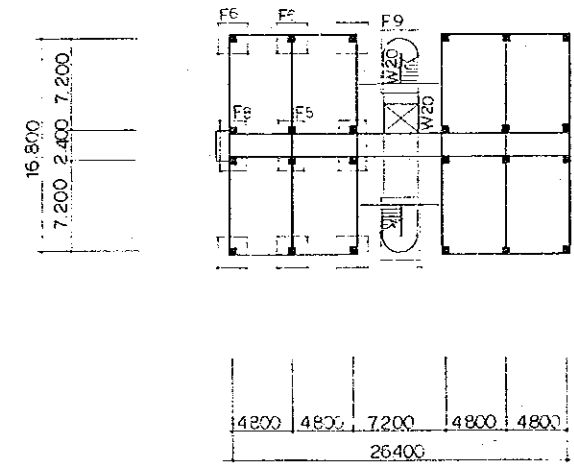
APARTMENT FOR PARAMEDICAL AND ADMINISTRATIVE STAFF



ROOF FLOOR



TYPICAL FLOOR  
(1st ~ 5th)



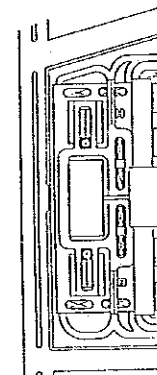
GROUND FLOOR

UNLESS OTHERWISE NOTED  
 COLUMN - C1 FOUNDATION GIRDER - FG1  
 BEAM - B1 FOUNDATION BEAM - FB1

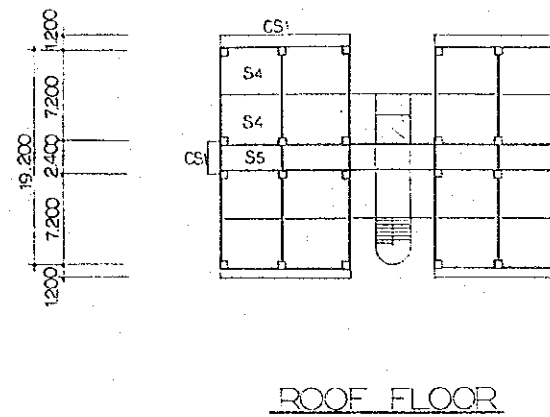
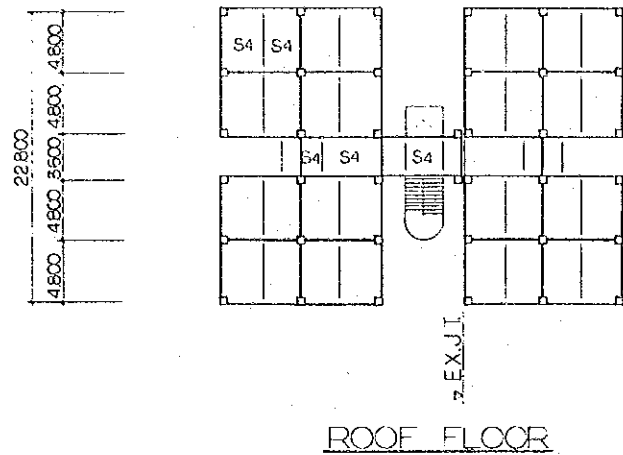
OVERNIGHT ACCOMMODATION

GENERAL NOTE

CONCRETE	VILLA	f <sub>c</sub> = 3,000 psi	(COMPRESSIVE STRENGTH)
	OTHERS	f <sub>c</sub> = 4,000 psi	
REINFORCEMENT	VILLA	Gr. 40 (f <sub>y</sub> = 40,000 psi)	
	OTHERS	Gr. 60 (f <sub>y</sub> = 60,000 psi)	
STRUCTURAL STEEL		Gr. 36	
SOIL BEARING CAPACITY		8,200 psi (40 t/m <sup>2</sup> )	

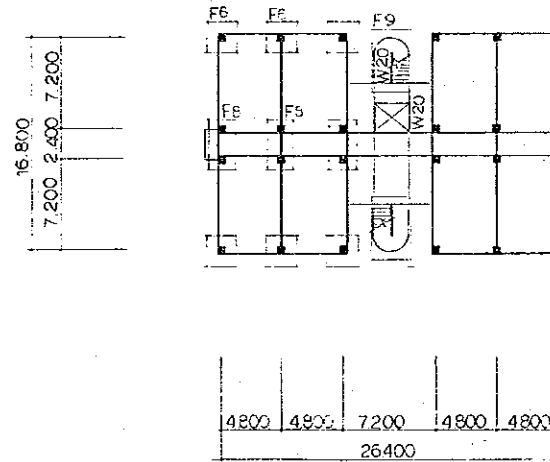
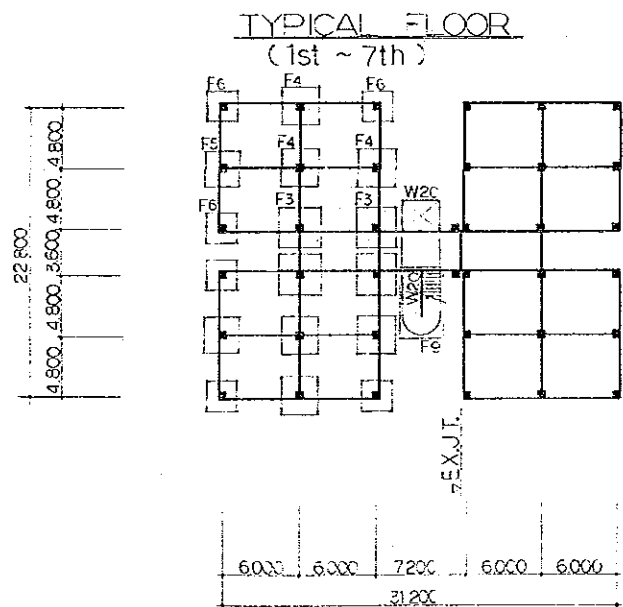
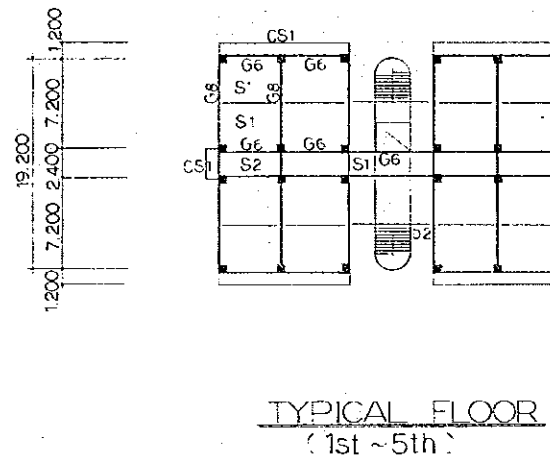
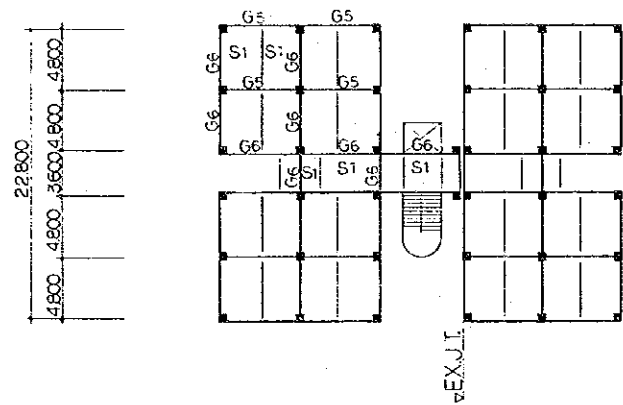


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1



GENERAL NOTE

CONCRETE	VILLA	(C = 3,000 PSI)	(COMPRESSIVE STRENGTH AT 28 DAYS)
	OTHERS	(C = 4,000 PSI)	
REINFORCEMENT	VILLA	Gr. 40 (fy = 40,000 PSI)	
	OTHERS	Gr. 60 (fy = 60,000 PSI)	
STRUCTURAL STEEL		Gr. 36	
SOIL BEARING CAPACITY		8,200 PSI (40 T/M <sup>2</sup> )	



UNLESS OTHERWISE NOTED

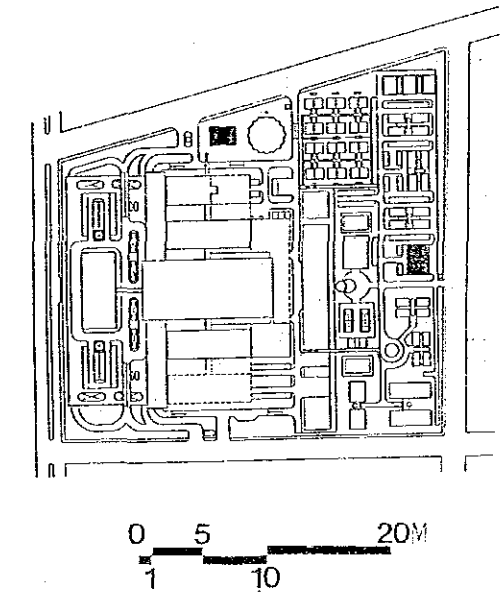
COLUMN - C1    FOUNDATION GIRDER - FG1  
 BEAM - b1    FOUNDATION BEAM - FB1

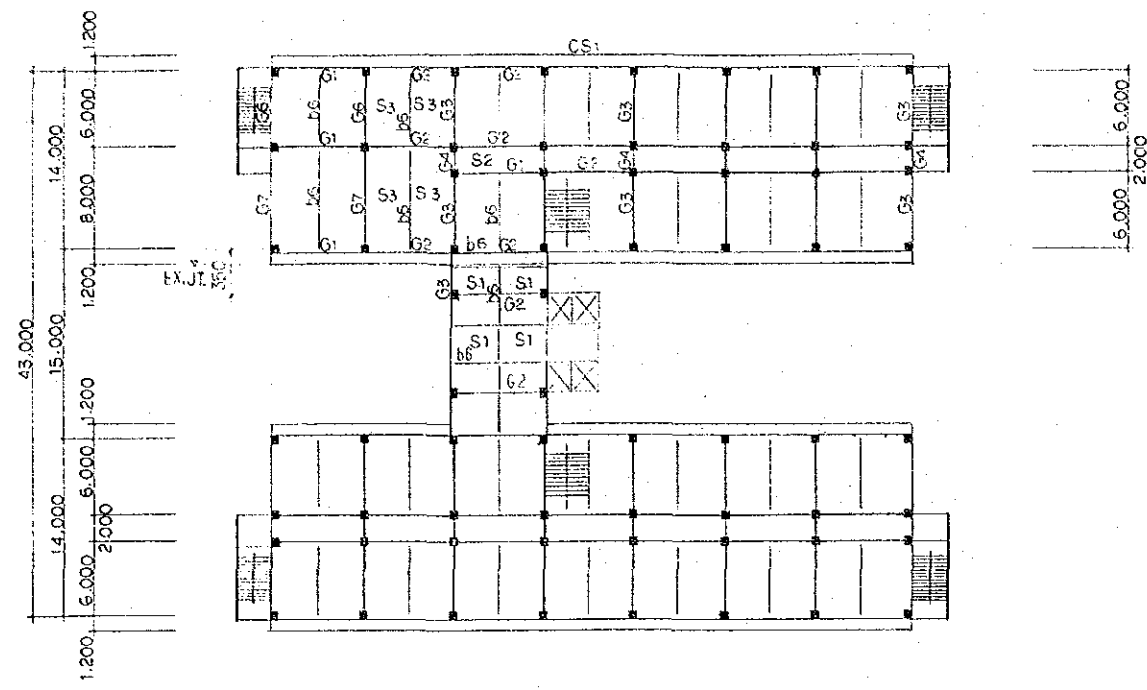
UNLESS OTHERWISE NOTED

COLUMN - C1    FOUNDATION GIRDER - FG1  
 BEAM - b1    FOUNDATION BEAM - FB1

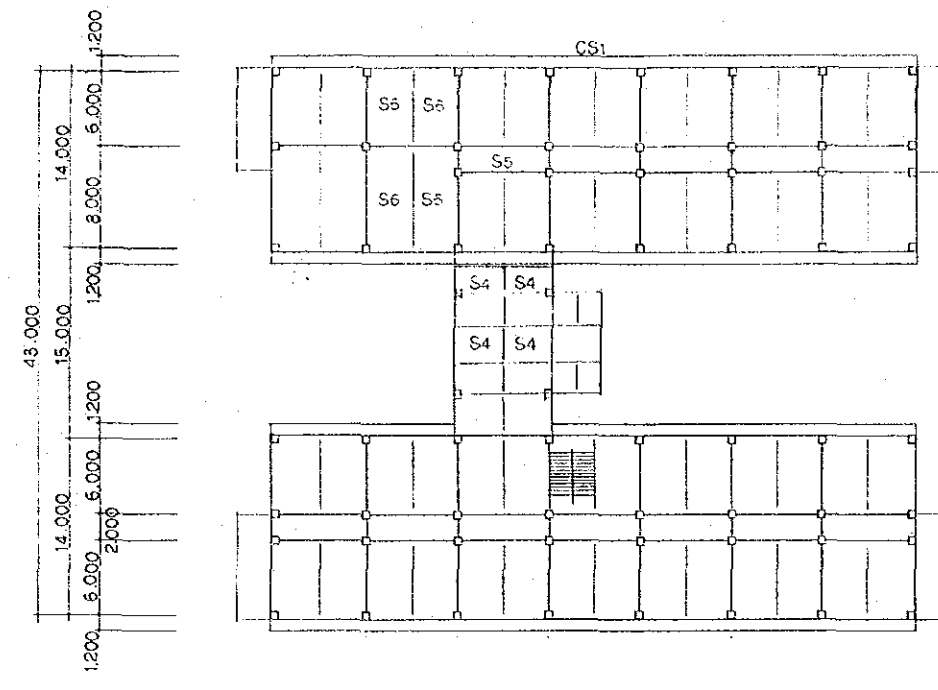
APARTMENT FOR PARAMEDICAL AND ADMINISTRATIVE STAFF

OVERNIGHT ACCOMMODATION

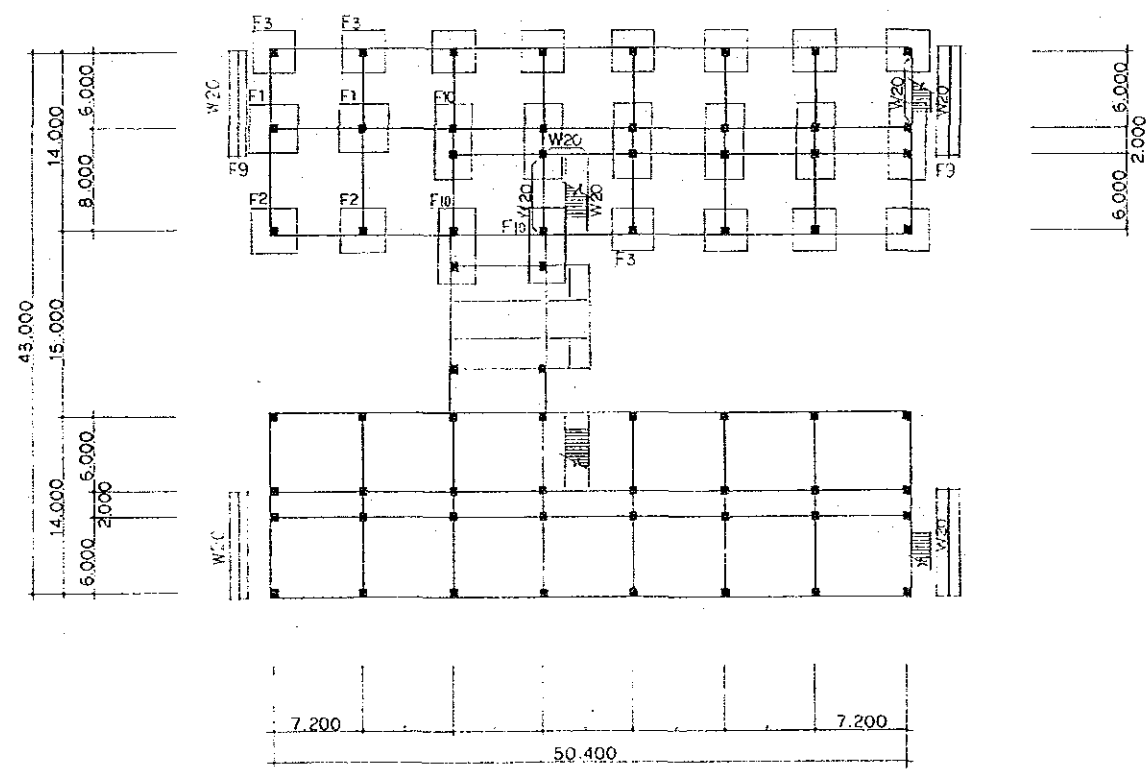




TYPICAL FLOOR  
(1st ~ 6th)



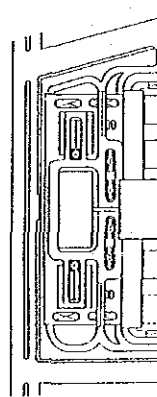
ROOF FLOOR

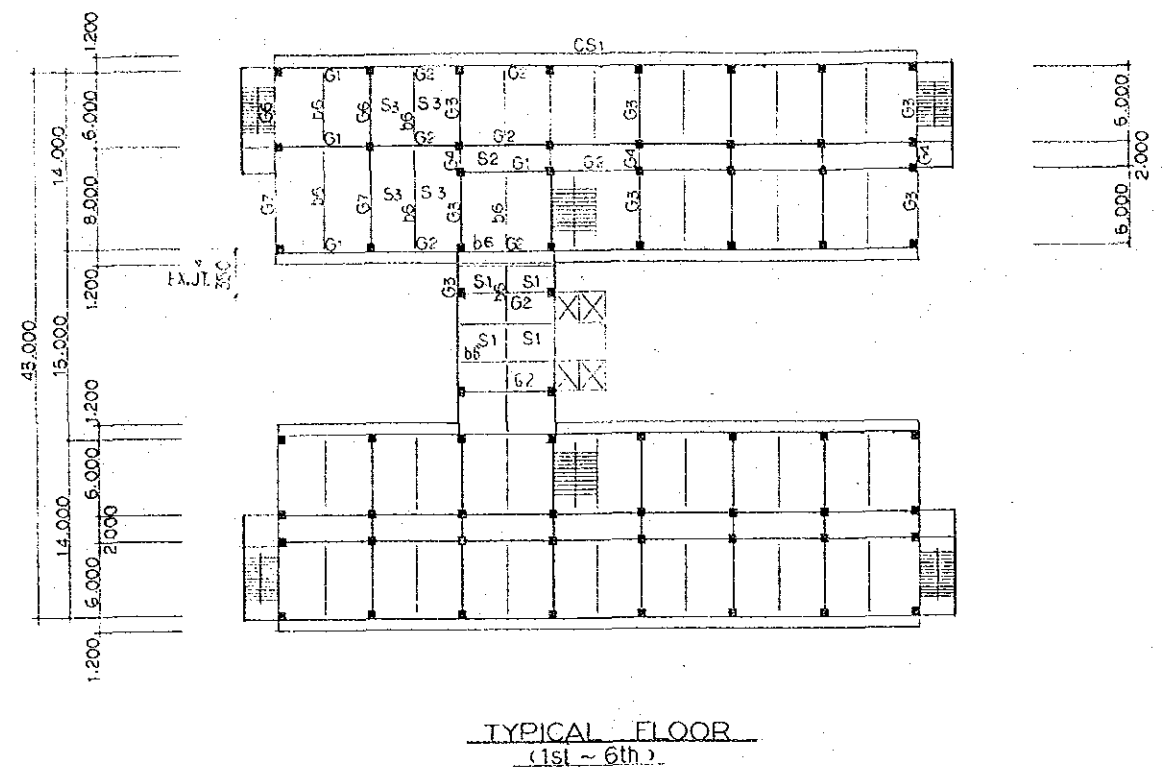


GROUND FLOOR

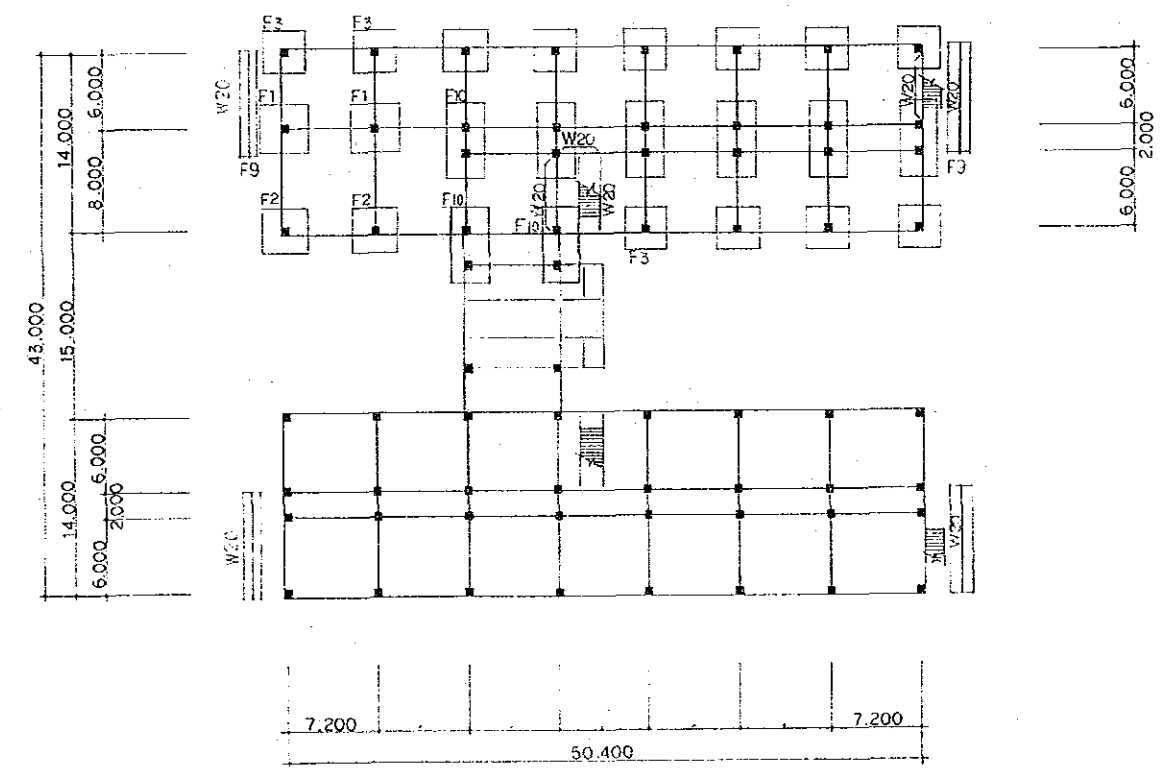
APARTMENTS FOR JUNIOR NURSES

UNLESS OTHERWISE NOTED  
 COLUMN --- C1  
 BEAM --- B1  
 FOUNDATION GIRDER --- FG  
 FOUNDATION BEAM --- FB



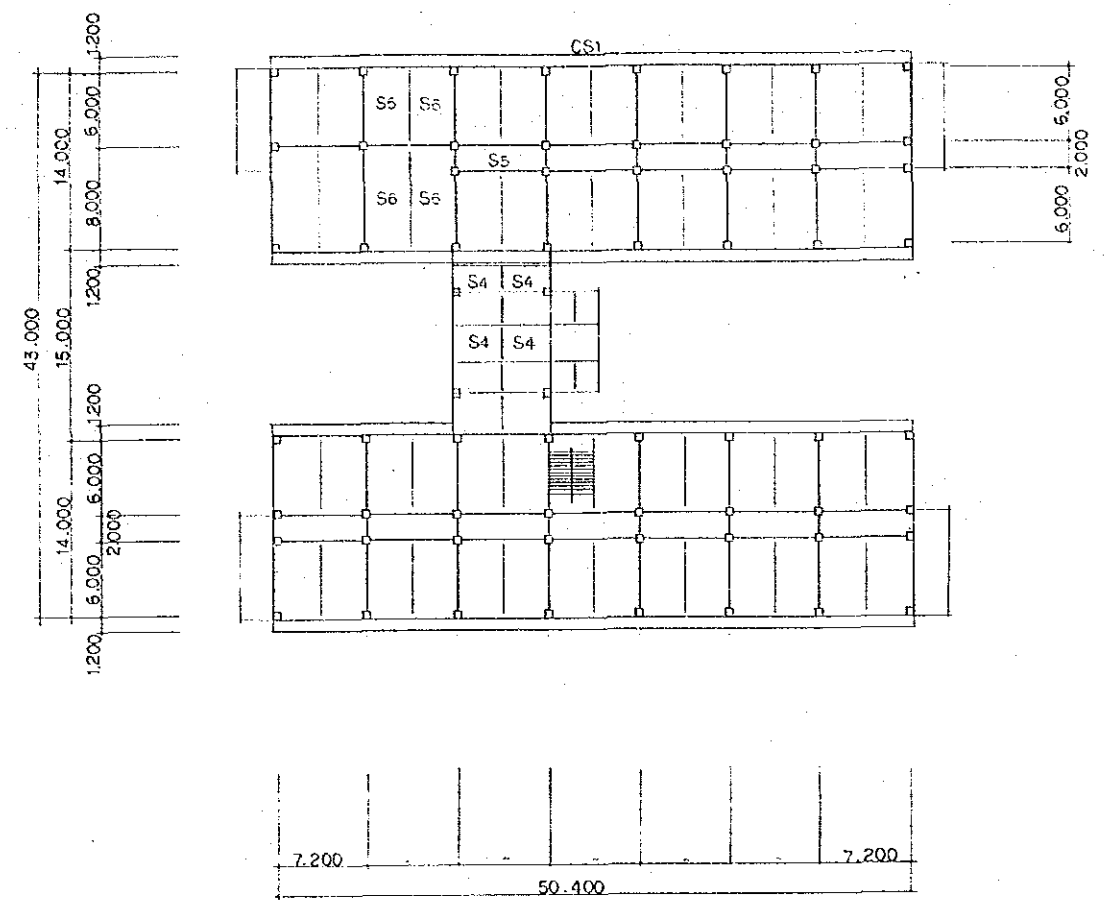


TYPICAL FLOOR  
(1st ~ 6th)

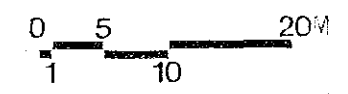
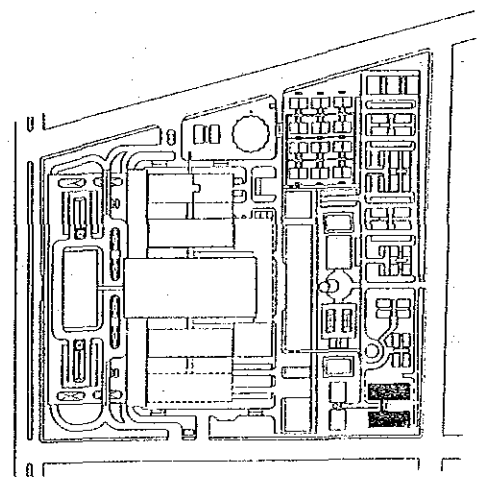


GROUND FLOOR

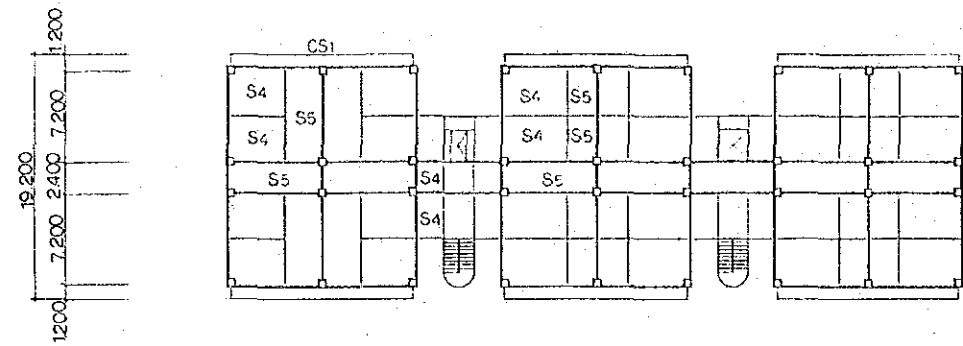
UNLESS OTHERWISE NOTED  
 COLUMN --- C1 --- FOUNDATION BEAM --- FB  
 BEAM --- B1 ---  
 FOUNDATION GIRDER --- FG1 ---



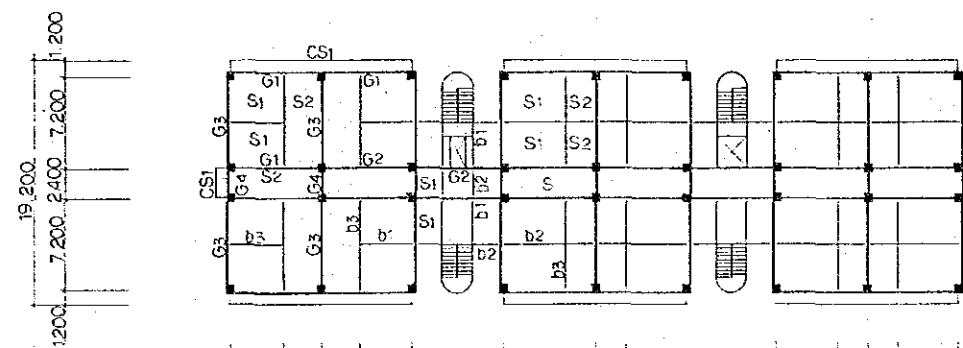
ROOF FLOOR



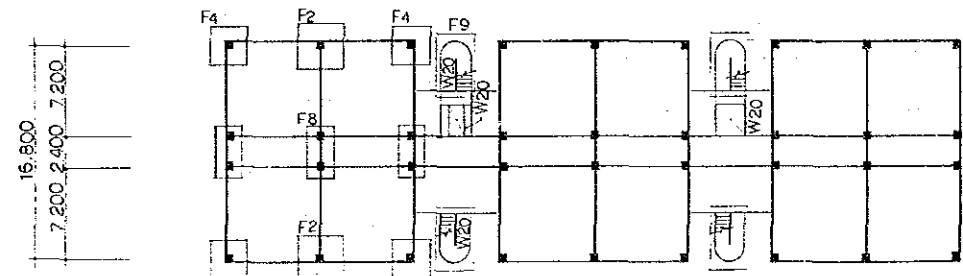
APARTMENTS FOR JUNIOR NURSES



ROOF FLOOR



TYPICAL FLOOR  
(1st ~ 7th)

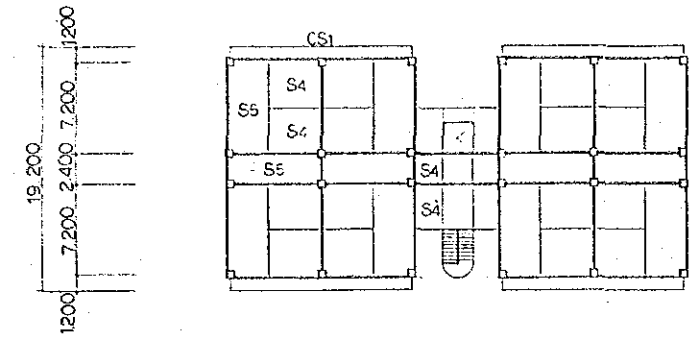


GROUND FLOOR

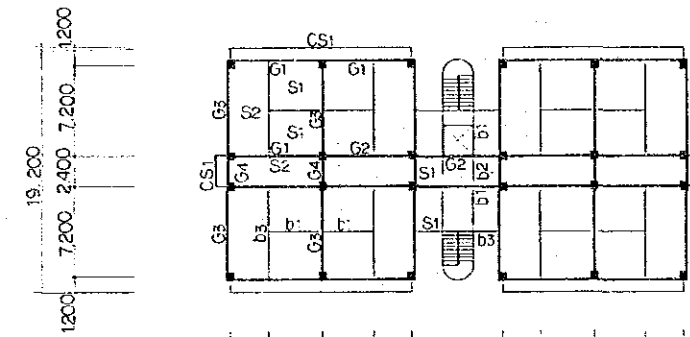
UNLESS OTHERWISE NOTED

COLUMN - C1  
FOUNDATION GIRDER - FG1  
FOUNDATION BEAM - FB1

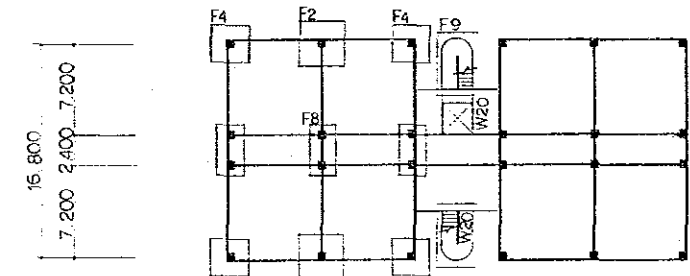
APARTMENTS FOR SINGLE MALE



ROOF FLOOR



TYPICAL FLOOR  
(1st ~ 7th)



GROUND FLOOR

UNLESS OTHERWISE NOTED

COLUMN - C1  
FOUNDATION GIRDER - FG1  
FOUNDATION BEAM - FB1

APARTMENTS FOR SENIOR NURSES

