4 The List of Buildings at Atsuta Plant

All of the papers and records on buildings being burnet by air raids, the following lists were mainly drawn up from memory.

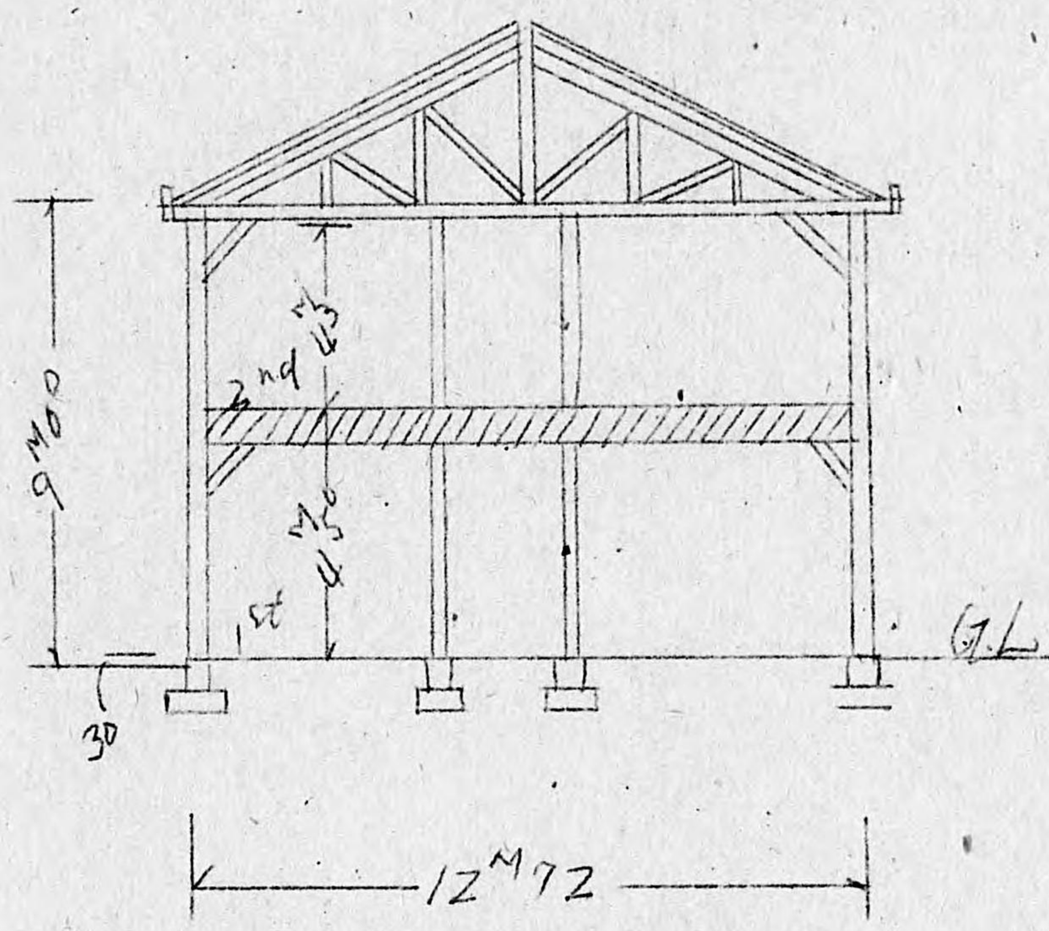
No. of Bldg.	Function of Buildings	Description	No. of story	Area of Buildings sq.M: Area of each floors		Total area of floor	Damages Caused by air raid
1	Main Office	Wooden building on concrete foundation 12M72x40M00	2	1st	659.43	1,266.63	Burnet up by air raid on June 9th 1945
				2nd	607.20		
2	Main Office	" 12M72x34M54	2	1st	650.10	1,950.30	"
				2nd	633.60		
				Basement	666.60		
3	Guardmen's Room	" 5M15x14M54	1		74.77	74.77	"
4	Office	" 10M80x46M70	2	1st	50x.90	1,009.80	"
				2nd	50x.90		
5	Storage	" 12M72x50M22	1		638.71	638.71	Completely destroyed by air raid on June 9th 1945
6	Casting shop (light alloy only)	Steel framed structure on concrete foundation 49M34x74M77	1	1st	3709.20	3751.11	Destroyed beyond repair by bomb on June 9th 1945
				Basement	41.91		
7	Branch of finishing shop	Wooden building on concrete foundation 25M45x25M45	1		660.00	660.00	"
8	"	" 14M54x18M18	1		264.00	264.00	"
9	Storage	" 10Mx11M	1		115.50	115.50	"
10	Materiat Laboratory	" 14M54x45M45	1		653.40	653.40	Burnet up by air raid on Mar. 19th 1945
11	"	" 26Mx11M50	1		394.35	394.35	"

No. of Bldg	Function of Buildings	Description	No. of story	Area of Buildings sq.M: Area of each floors	Area of Buildings sq.M: Total area of floors	Dameges caused by air raid
12	Storage	Wooden building 15M x 19M90	1	297.00	297.00	Burnet up by air raid on Mar. 19th 1945
13	Packing house	" 9M09 x 54M54	1	495.00	495.00	"
14	Storage	" 15M15 x 18M18	1	203.44	203.44	Burnet up by air raid on June 9th 1945
15	Branch of Finishing shop	Wooden building on concrete foundation 12M76 x 18M18	1	264.00	264.00	"
16	Gas governer house	" 3M78 x 10M80	1	38.47	38.47	"
17	Machine shop	Steel framed structure on concrete foundation 72M88 x 178M25	1	1st 11,899.76 megzanine 795.90	12,695.66	The souther^n part of structure was destroyed by earthquake on Dec. 7th 1944, and almost all of the remaining part was destroyed beyond repair by air raid on June 9th 1945
18	Branch of Finishig shop	" 18M18 x 15M75	1	261.42	261.42	destroyed by earthquake on Dec. 7th 1944
19	"	Wooden building on concrete foundation 7M57 x 19M09	1	216.97	216.97	destroyed by bomb, beyond repair on June 9th 1945
20	"	" 9M09 x 22M72	1	233.47	233.47	"
21	Storage	The southern part was constructed with steel frame and the remain is wooden building 32M96 x 36M50	2	1st 1,198.82 2nd 1,198.82	2397.64	destroye^d by bomb, but repairable on June 9th 1945
22	Heat treatment shop	steel flamed structure on concrete foundation 59M.99 x 69M26	1	1st 4,024.71 Basement 39.61	4,064.31	"

No. of Bldg	Function of Building	Description	No. of story	Area of Buildings sq.M: Area of each floors	Total area of floor	Damages caused by air raid
23	Finishing shop	steel framed structure on concrete foundation 32M62X69M16	1	2441.20	2441.20	destroyed beyond repair by earthquake on Dec. 7th 1944
24	Air compresser chamber	Wooden building on concrete foundation 5M45 x 13M63	1	74.25	74.25	completely destroyed by earthquake on Dec. 7th 1944
25	Branch of Finishing shop	" 7M27 x 18M18	1	138.60	138.60	"
26	Drawing Room	" 9M09 x 29M09	2	1st 652.60 2nd 597.34	1249.94	destroyed by earthquake on Dec. 7th 1944 and air raid on June 7th 1945, but repairable
27	Electric power plant	steel framed structure covered with reinforced concrete 9M41 X 11M60	1	108.83	108.83	slightly damaged by bomb on June 9th 1945
28	Tool shop	steel framed structure on concrete foundation 72M90 X 38M30	1	2786.75	2786.75	destroyed by bomb, but repairable on June 9th 1945
29	Assembling shop	" 72M90 X 38M30	1	2786.75	2786.75	slightly dameged by bomb on June 9th 1945
30	Steam heating plant	" 11M20 X 17M15	1	180.52	180.52	destroyed beyond repair by earthquake on Dec. 7th 1944
31	Laboratory	Wooden building on concrete foundation 91M09 X 50M90	1	524.70	524.70	burnet up by air raid on Mar. 19th 1945
32	Running test room	" 7M27 X 10M90	1	84.01	84.01	slightly dameged by earthquake on Dec. 7th 1944
33	Shop for experimental engine (machine finishing and assembling)	steel framed structure on concrete foundation 63M63 X 60M21 18M18 X 38M40	1	1st 446.16 mezzanine 54.45	501.61	the southern part of the structure was burnet up by air raid on Mar. 19th 1945

No. of Bldg	Function of Building	Description	No. of story	Area of Building sq.M: Area of each floor	Area of total floor	Damages caused by air raid
34	Running test room	Reinforced concrete construction 23M77X26M70	2	1st 640 25 2nd 200 30 mezzanine 250 06	1090 61	
35	Laboratory	Steel framed structure on concrete foundation 13M87X27M13	1	377 38	377 38	
36	No.1 Wooden Pattern shop	Wooden building on concrete foundation 10M90X34M54	1	356 40	356 40	Burnet up by air raid on Mar. 19th 1945
37	No.2 Wooden Pattern shop	〃 10M90X34M54	1	356 40	356 40	〃
38	Storage	Wooden building 20MX26M76	1	535 20	535 20	Slightly damaged by bomb on June 9th 1945
39	Storage	Wooden building on concrete foundation 14M67X31M81	2	1st 462 00 2nd 396 00	858 00	〃
40	The other buildings (W.C. Toilet & small strage etc.)	Wooden building	1		1,129 60	Almost all of the buildings were destroyed or burnet up by air raid
	Total				52,035 70	

NO. 1 and NO. 2
Main office



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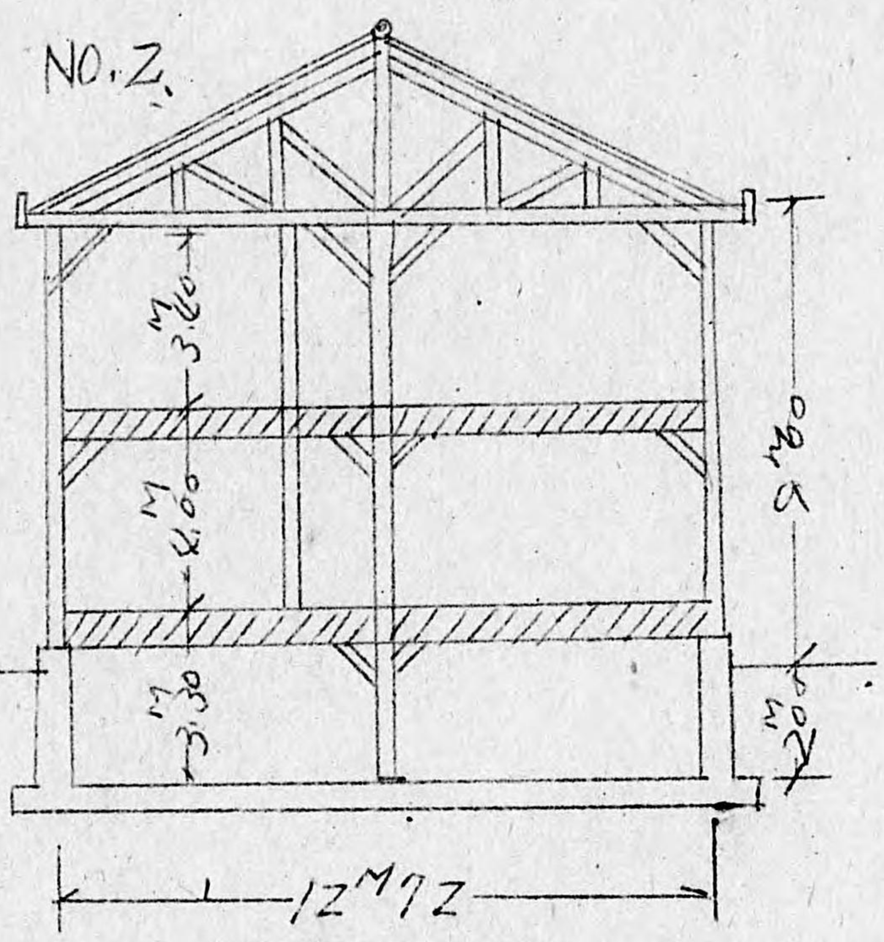

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NO. 3 Guardner's Room.

Section
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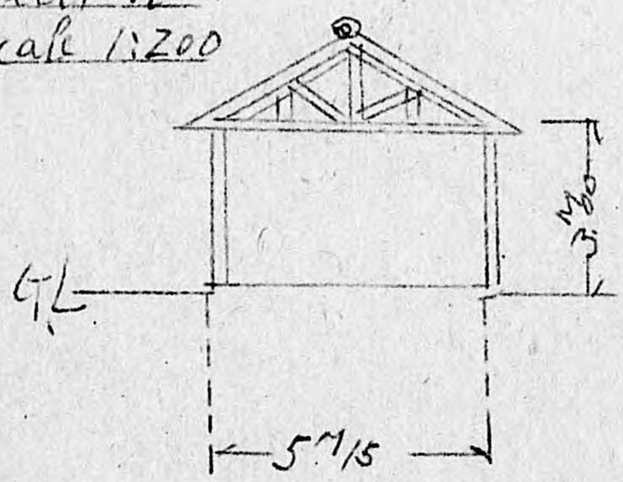

NO. 4 Office

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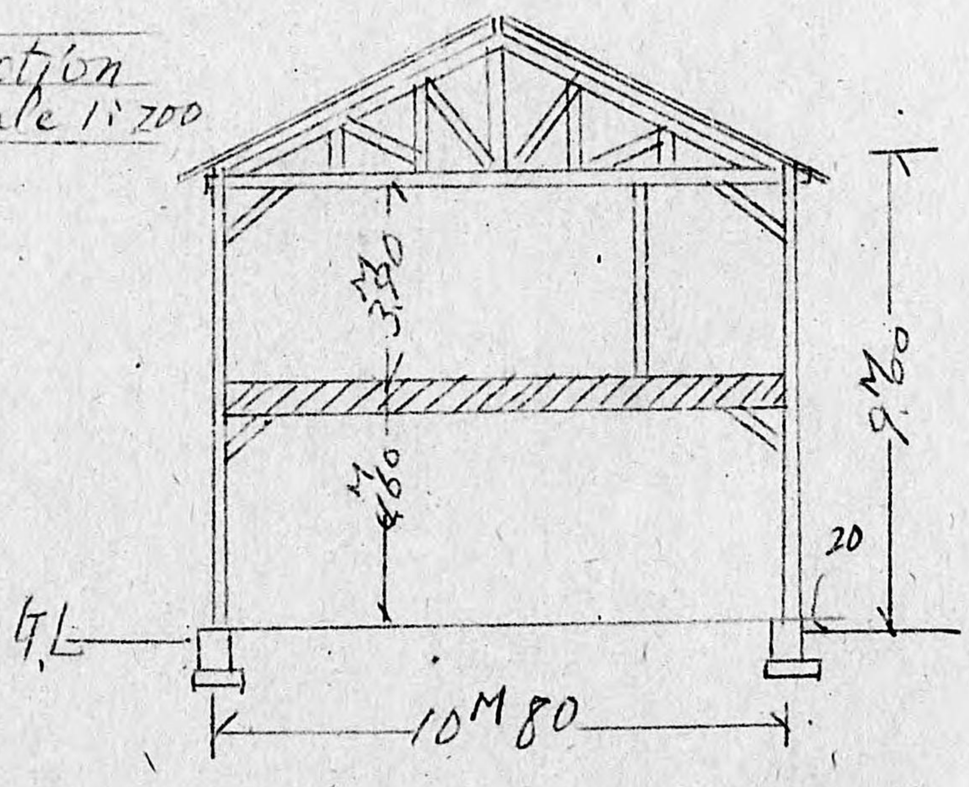

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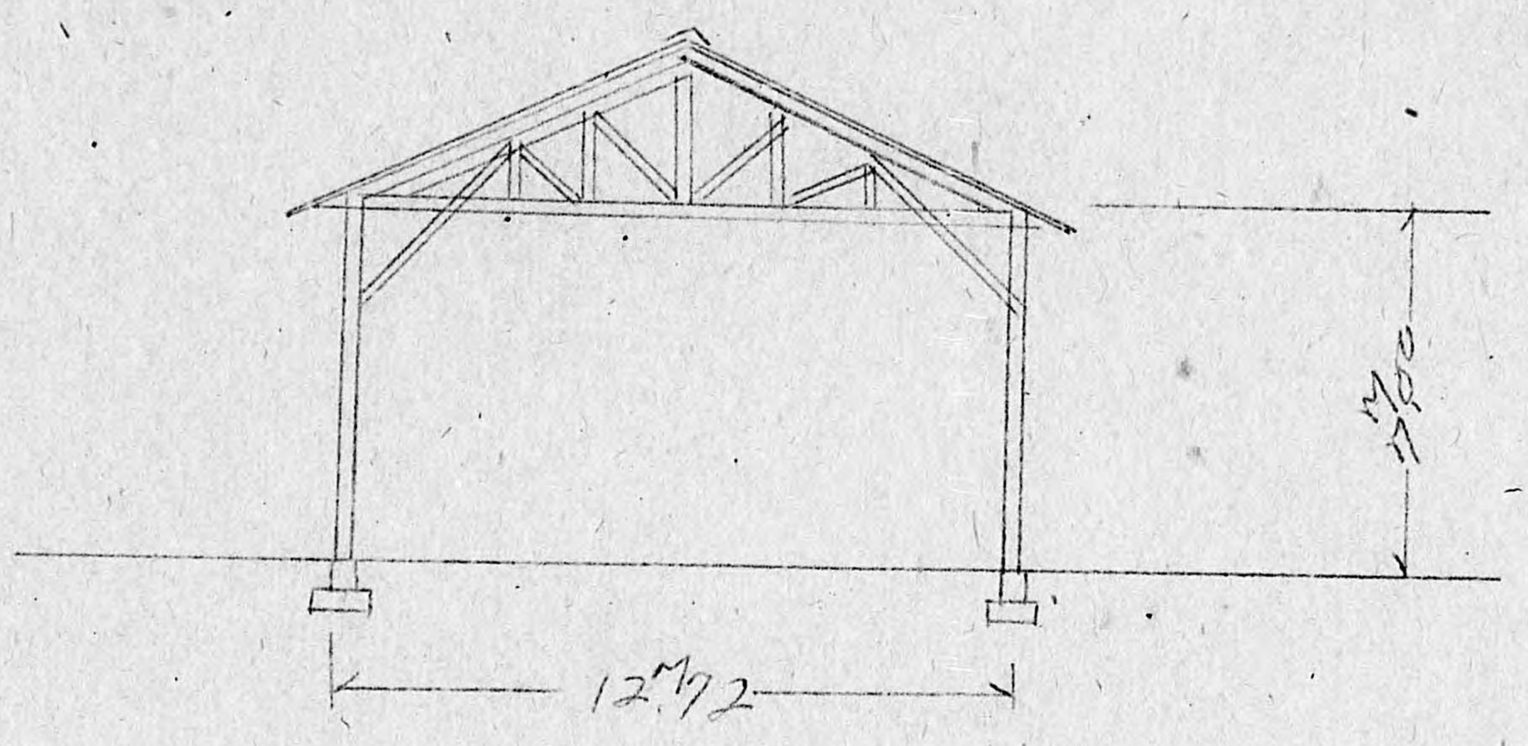

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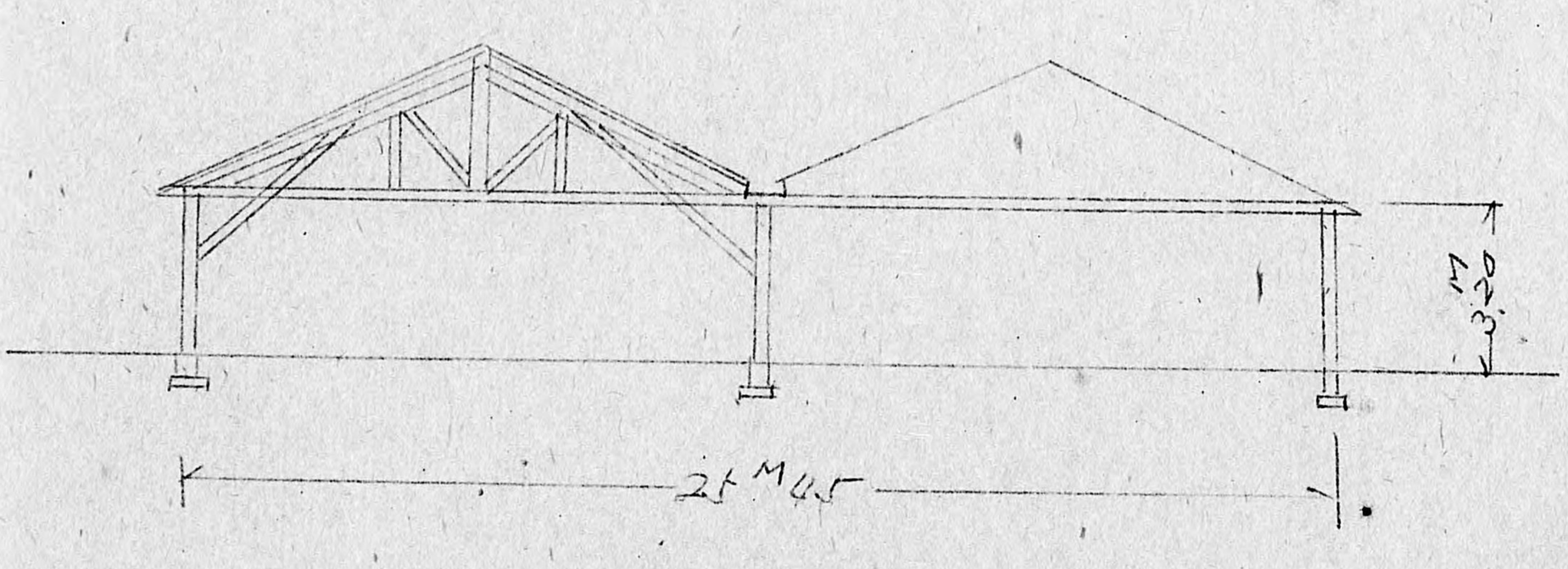
No. 7 Branch of finishing shop



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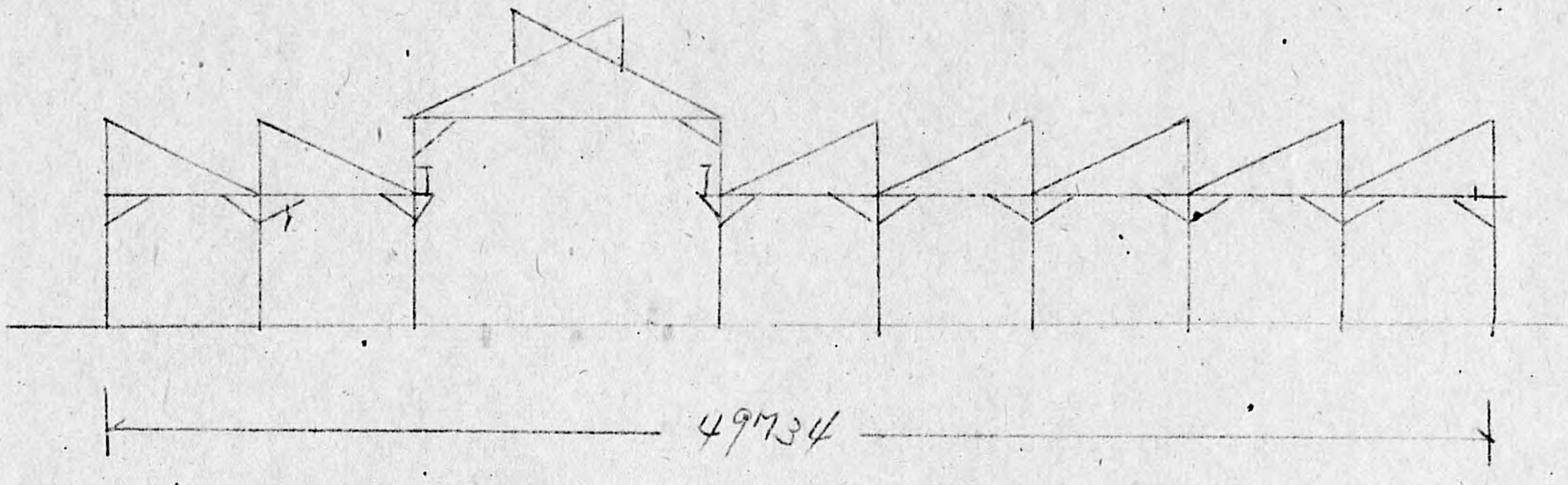
No. 6 Casting shop



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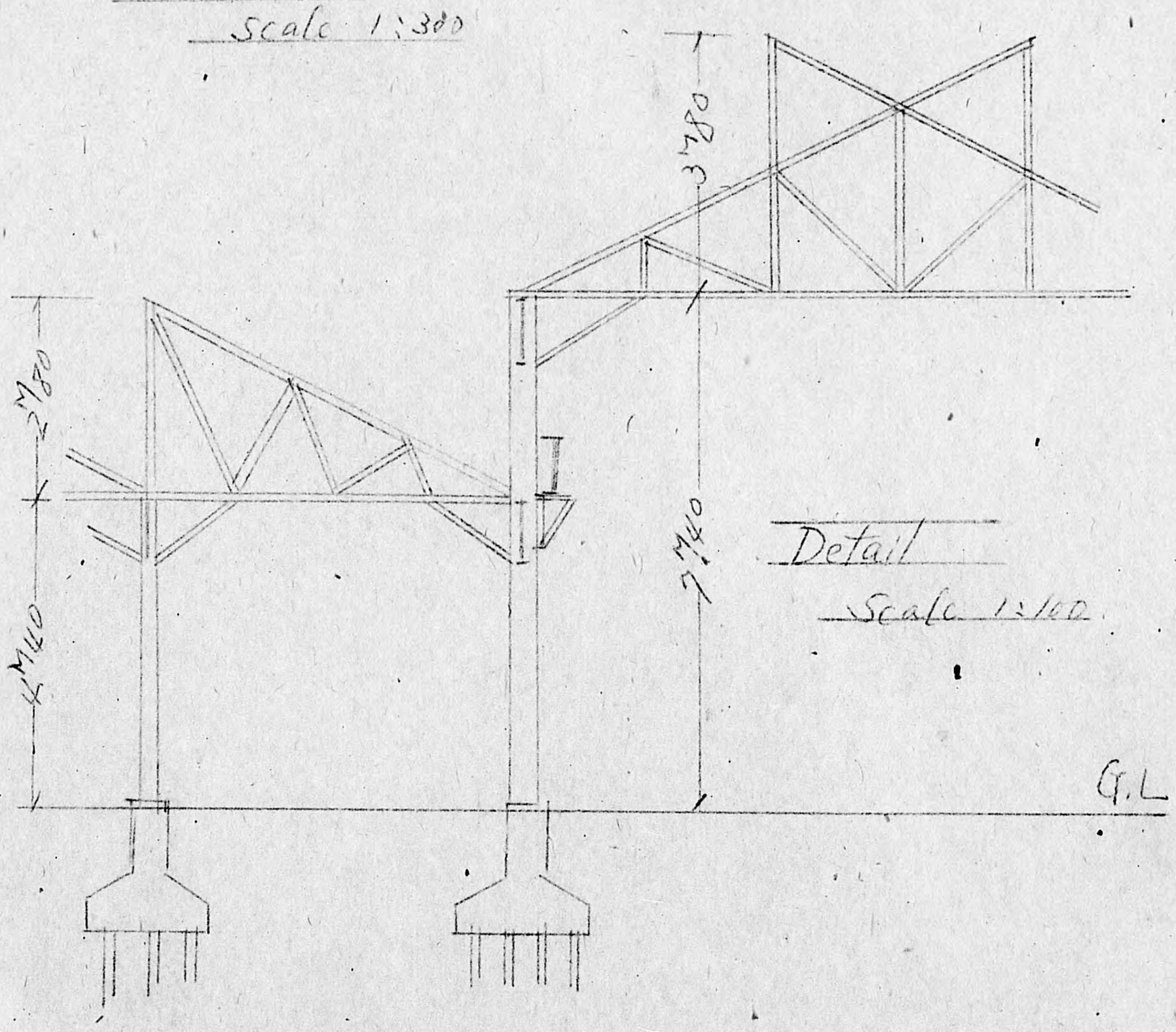

Detail
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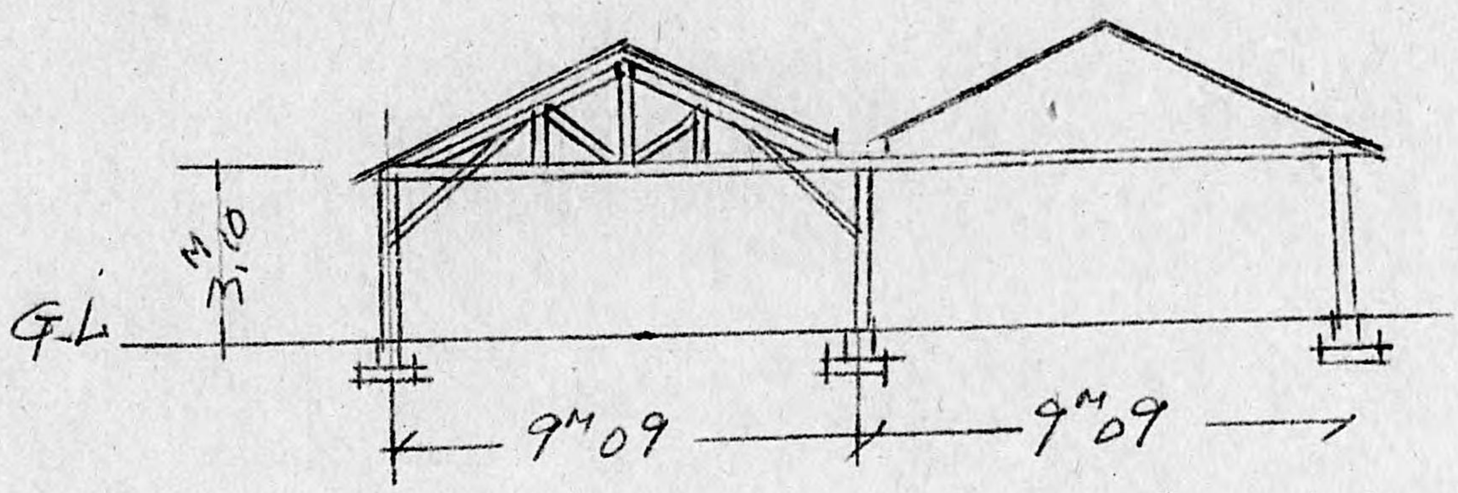
No. 8 Branch of finishing shop



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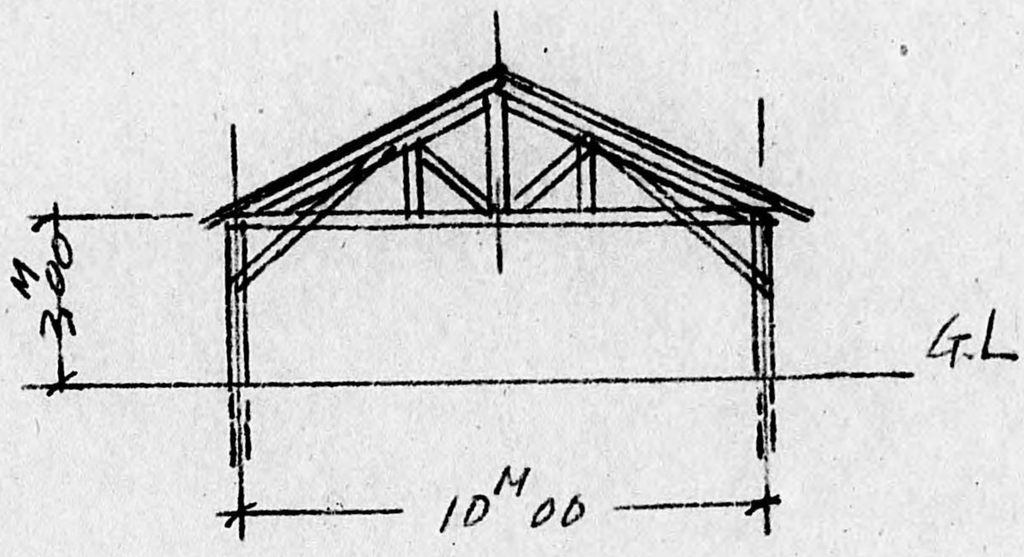

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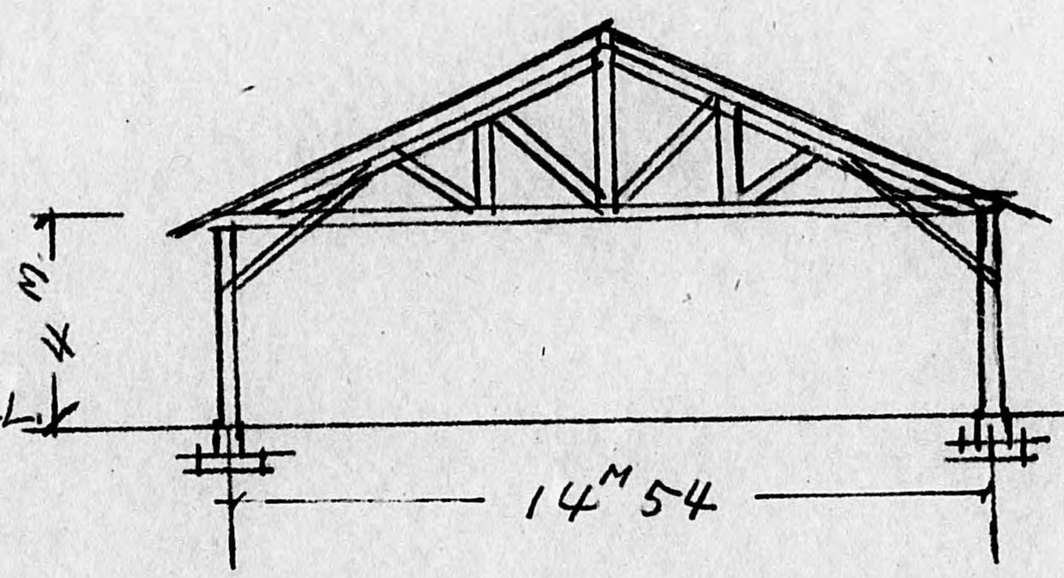

Section
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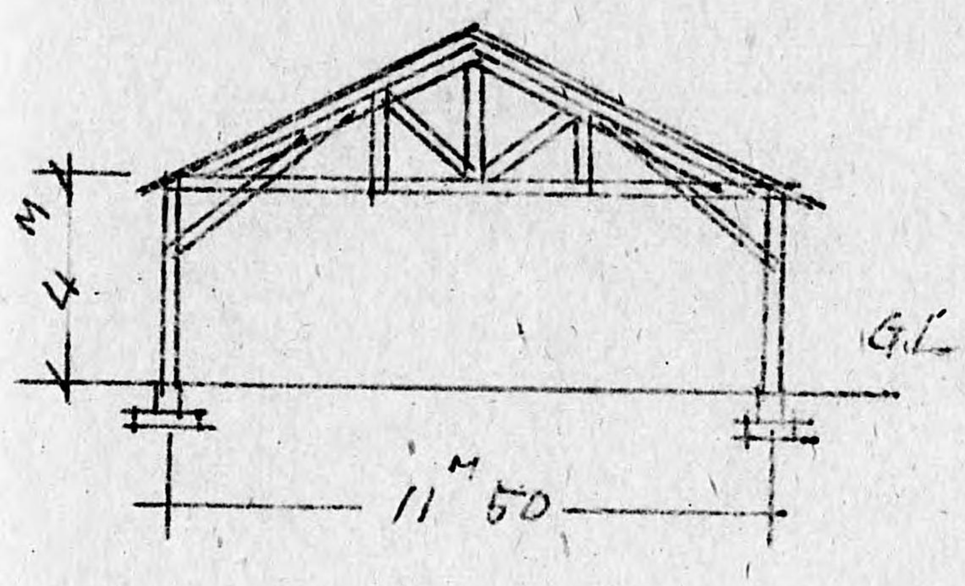
No. 11 Material Laboratory



Section
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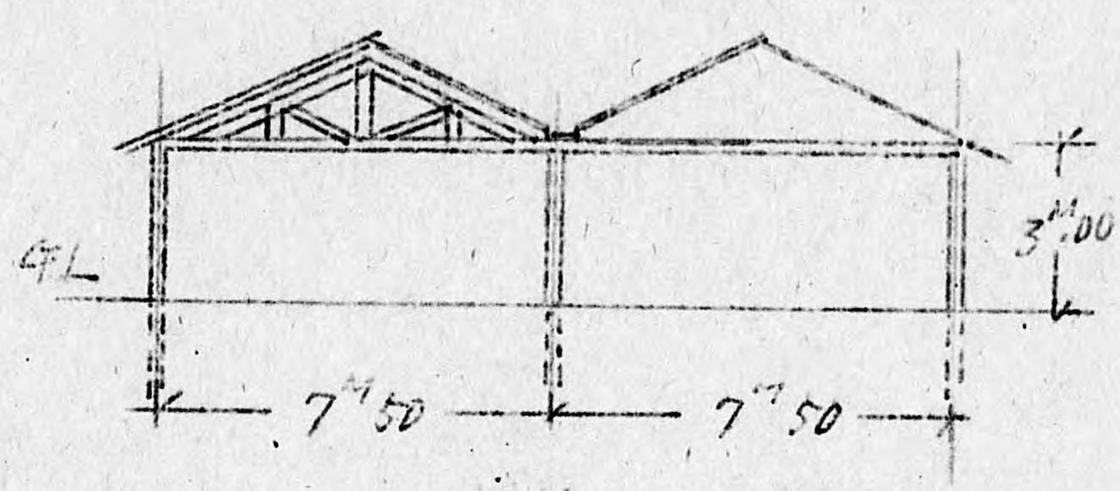

Section
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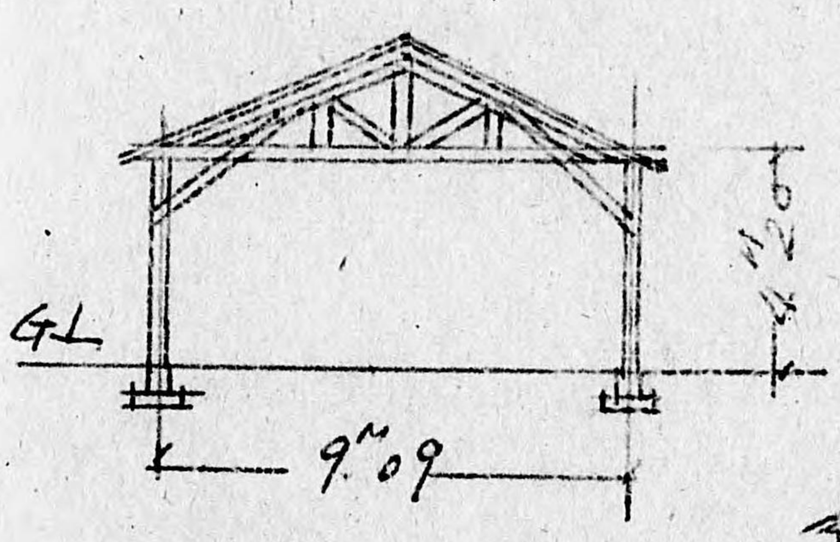
No. 13. Packing House



Section
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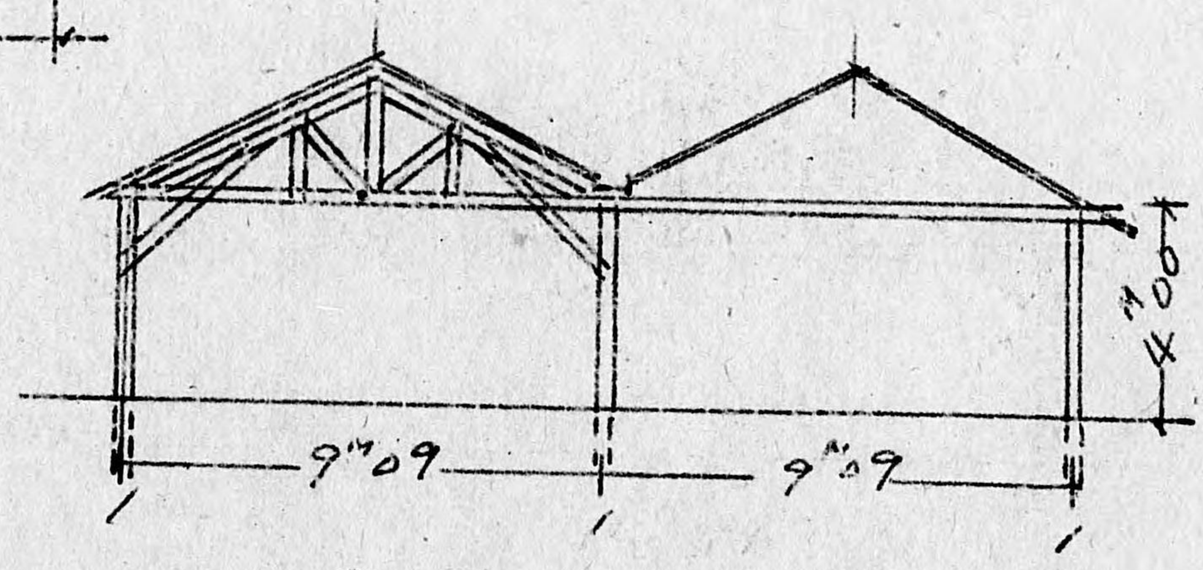
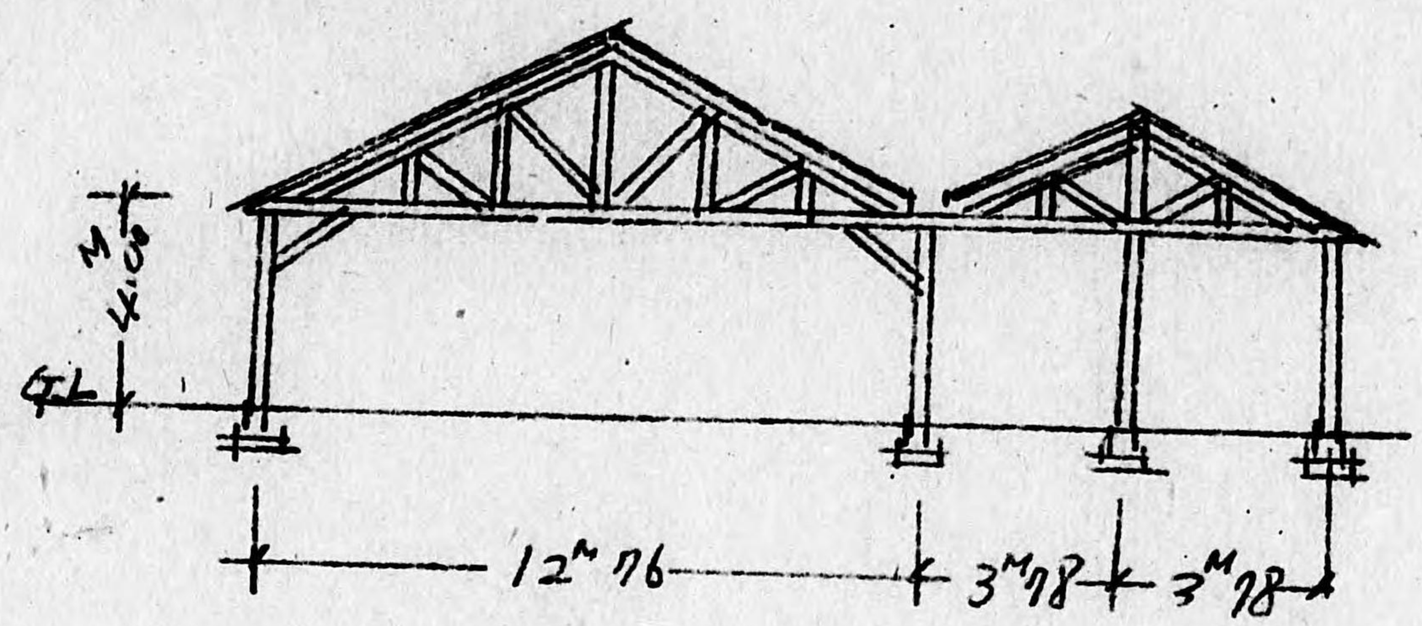
No. 14 Storage



Section Scale 1:200

15. Branch of finishing shop
16 Gas governer house



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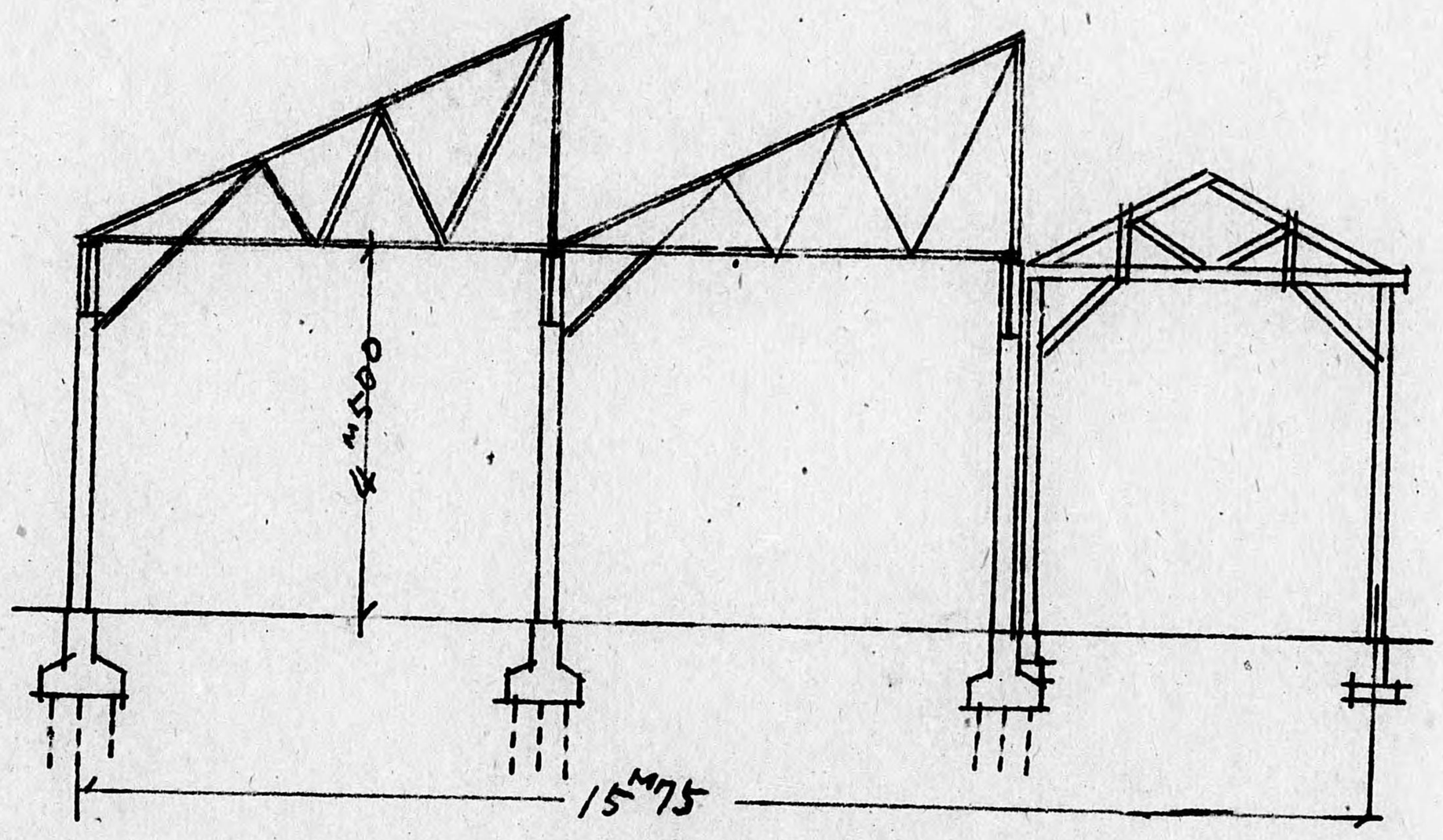
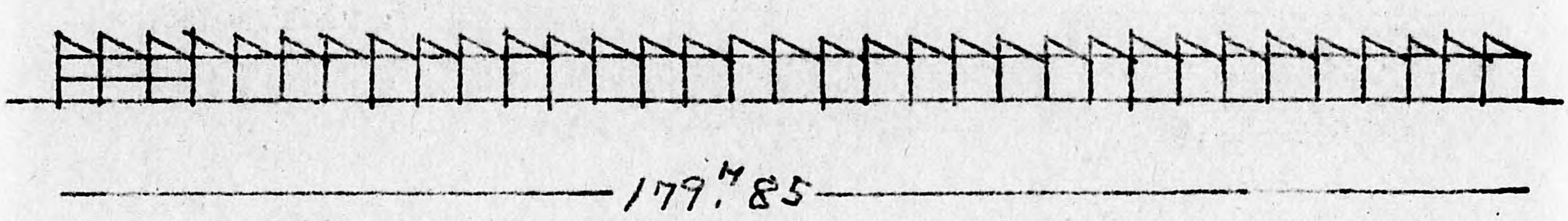
18. Branch of finishing shop

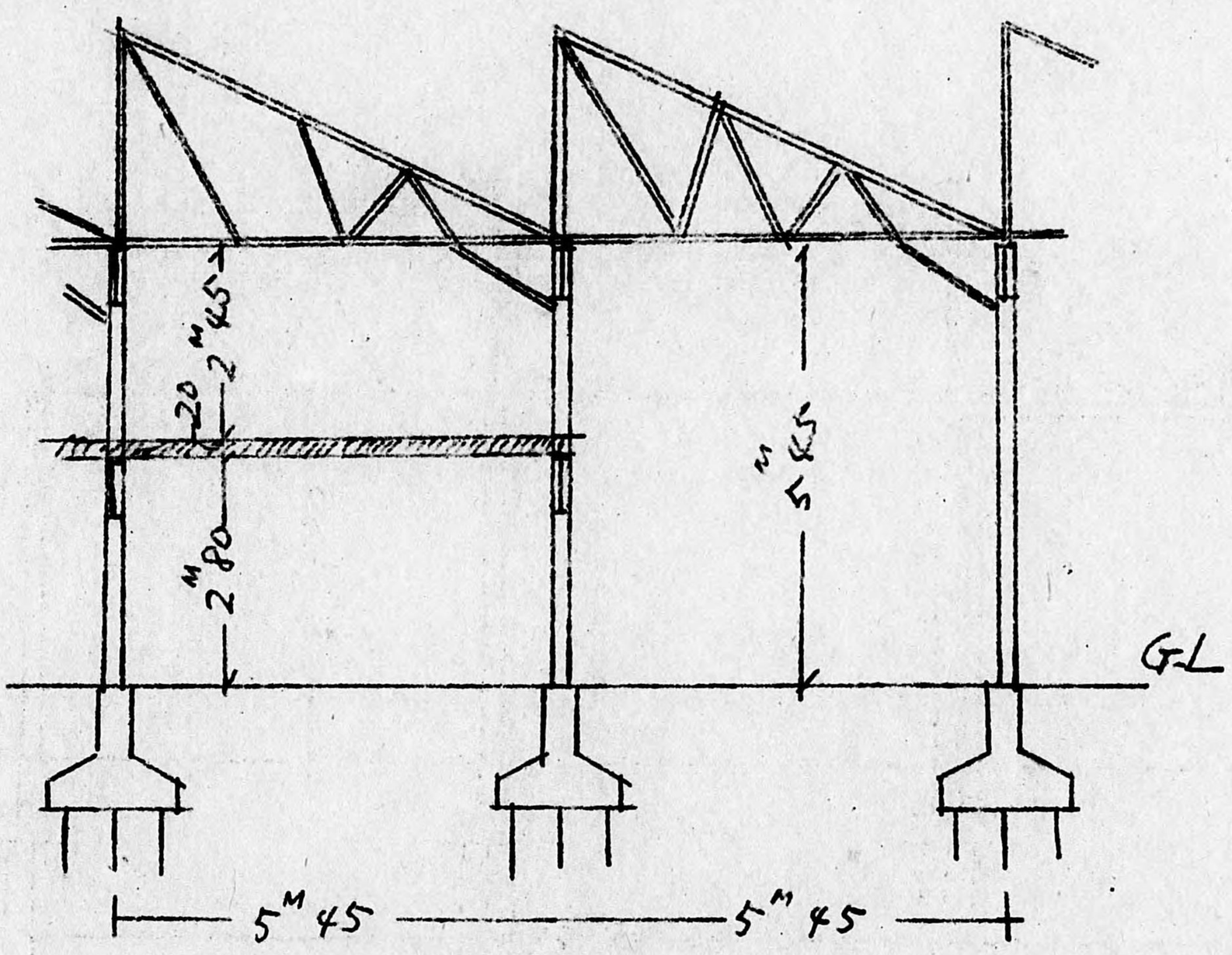


Section scale 1:200

17 Machine shop

Section
Scale 1=1000





Detail
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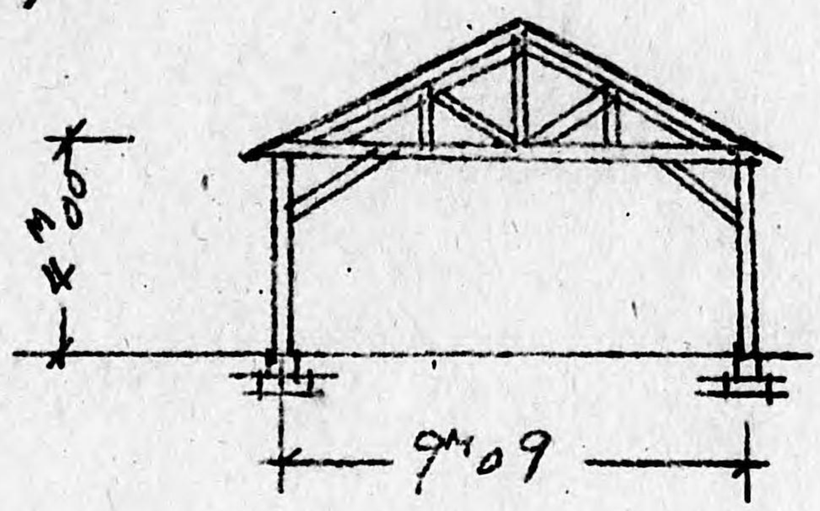
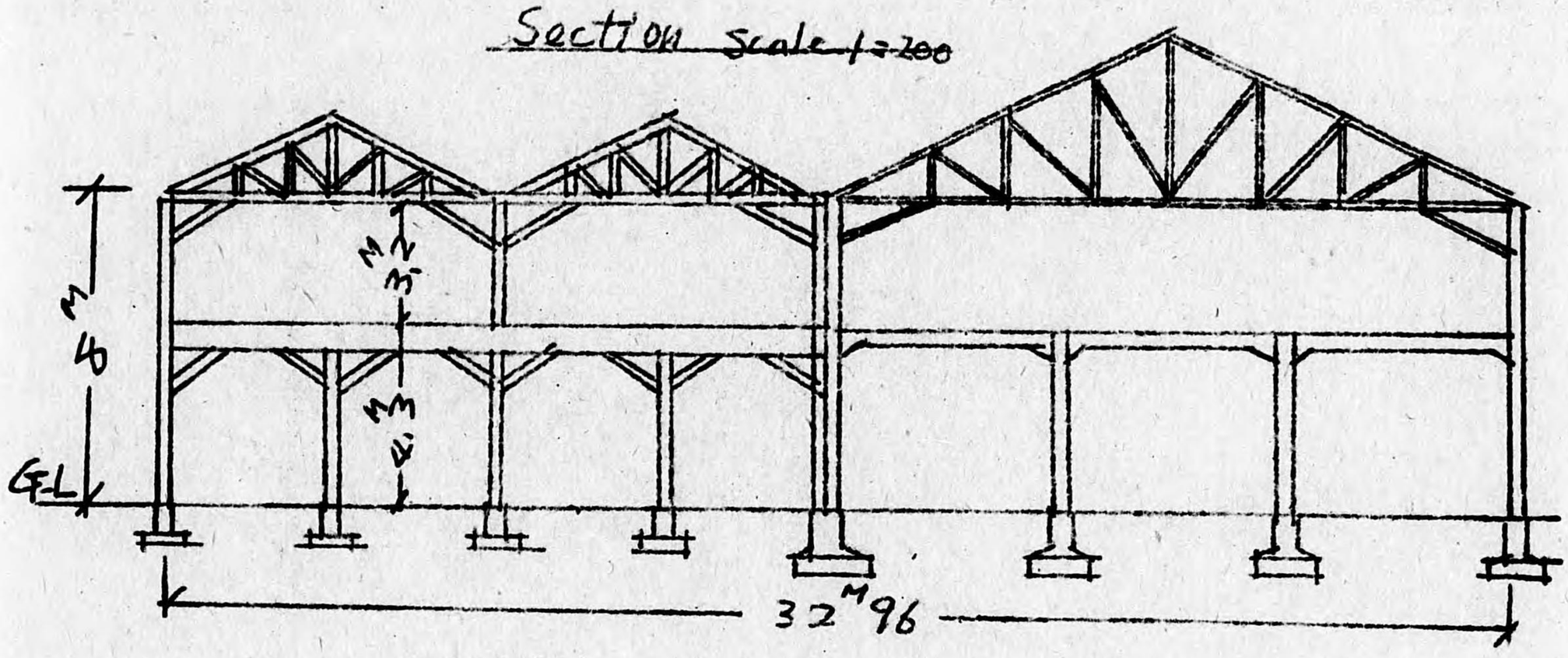
19, 20, Branch of finishing shop.



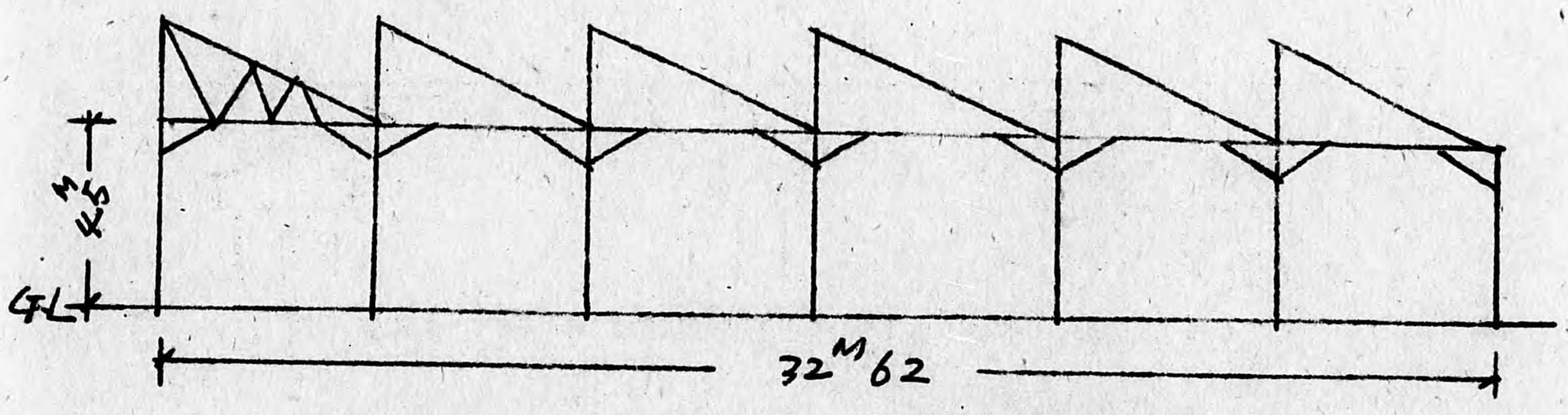
Section
Scale 1:200

21, Storage

Section Scale 1:200



23 Finishing Shop

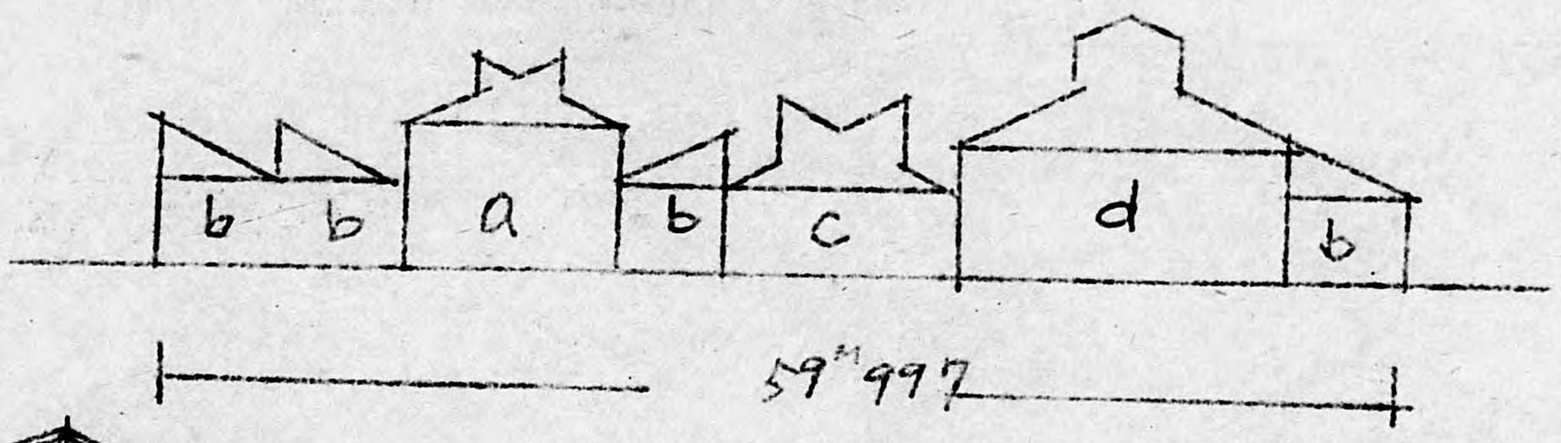


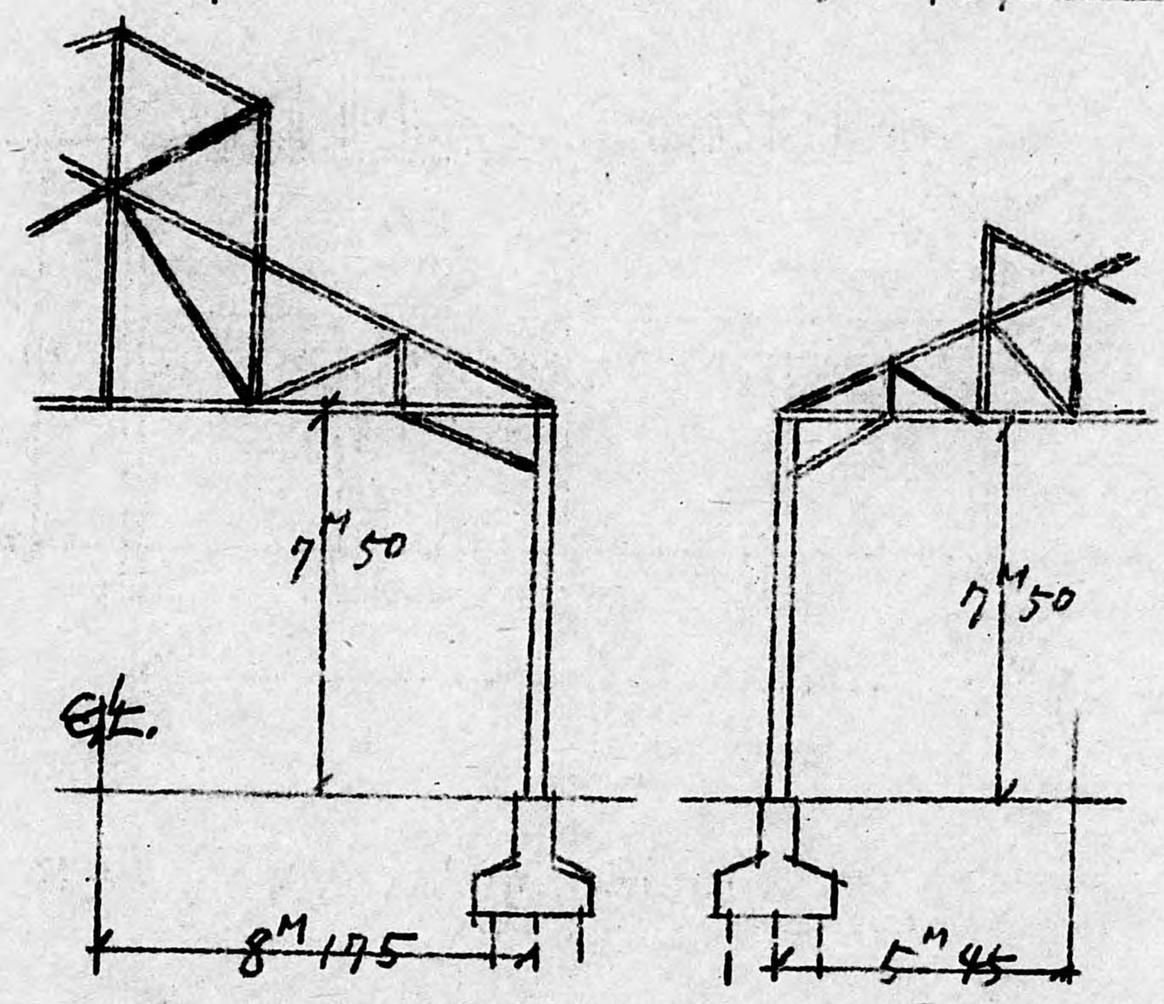
Section
Scale 1:300

Remarks—
The details of this structure is shown on the figure NO. 28

22 Heat treatment shop

Section
Scale 1:200

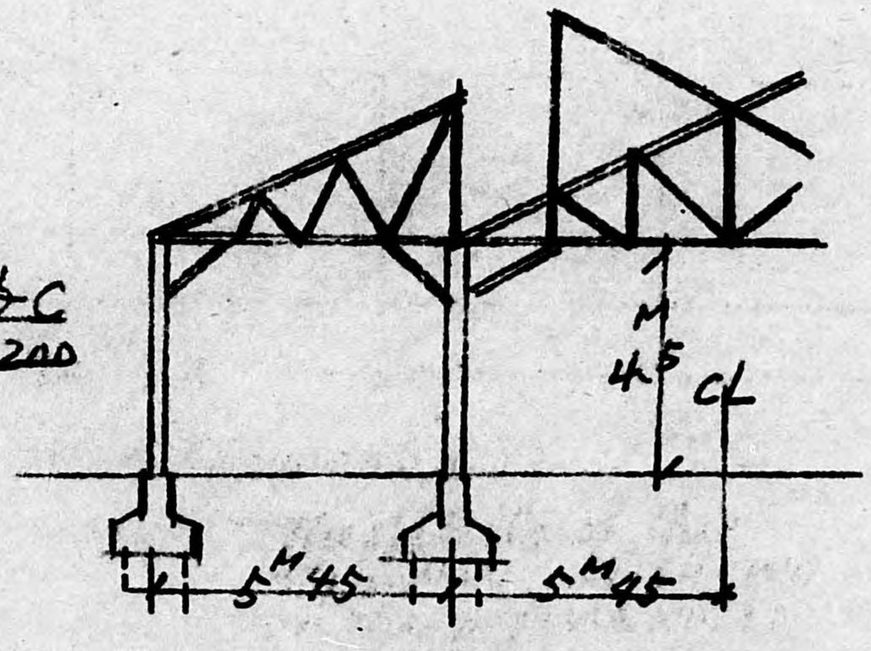




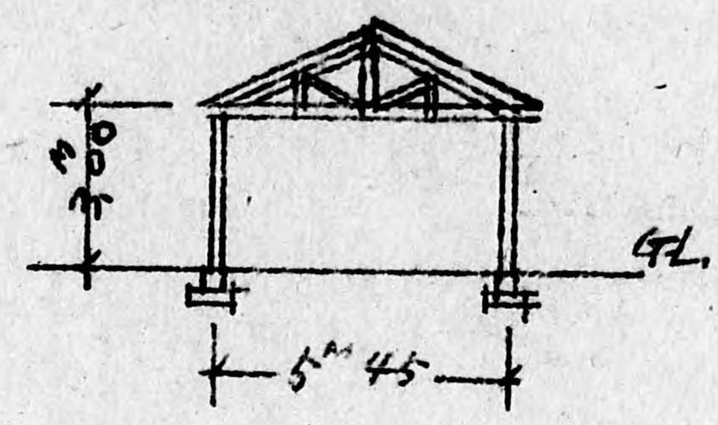
Detail of a
Scale 1:200

Detail of d
Scale 1:200

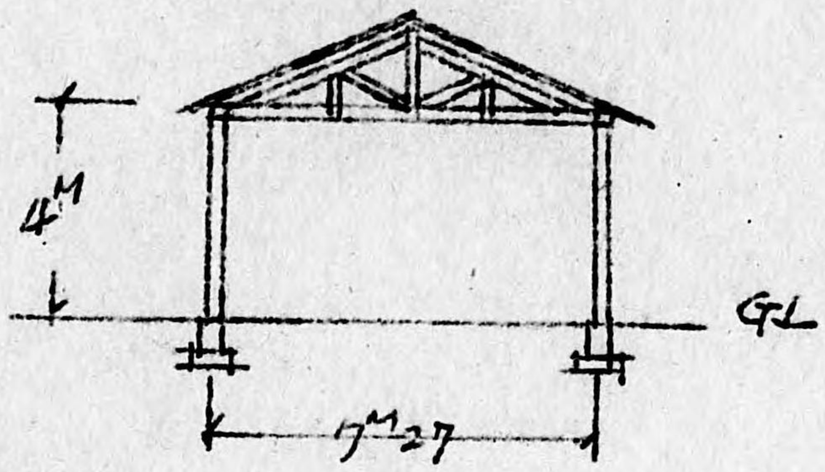
Detail of b & c
Scale 1:200



24. Air compresser chamber

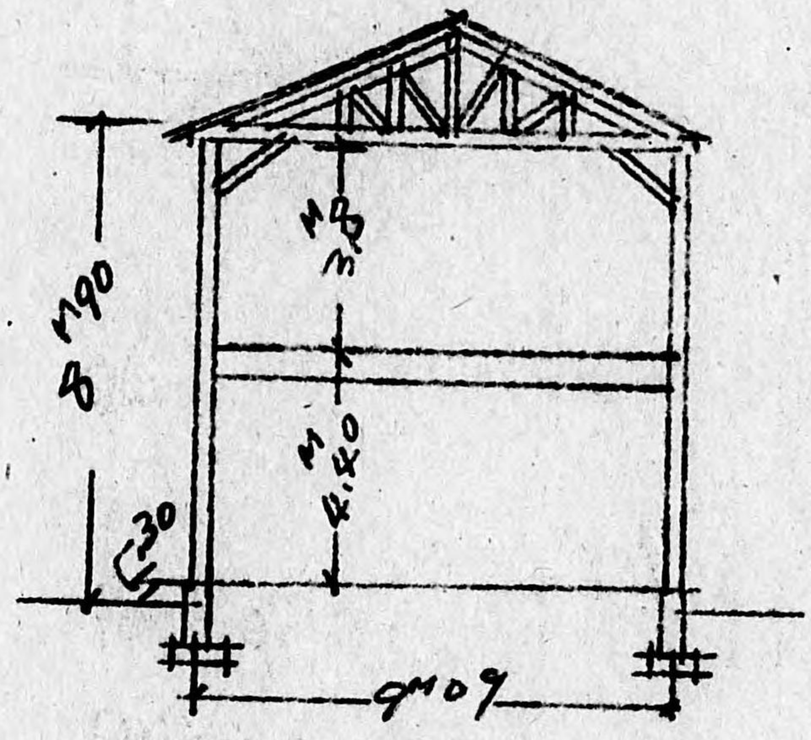


25 Branch of finishing shop

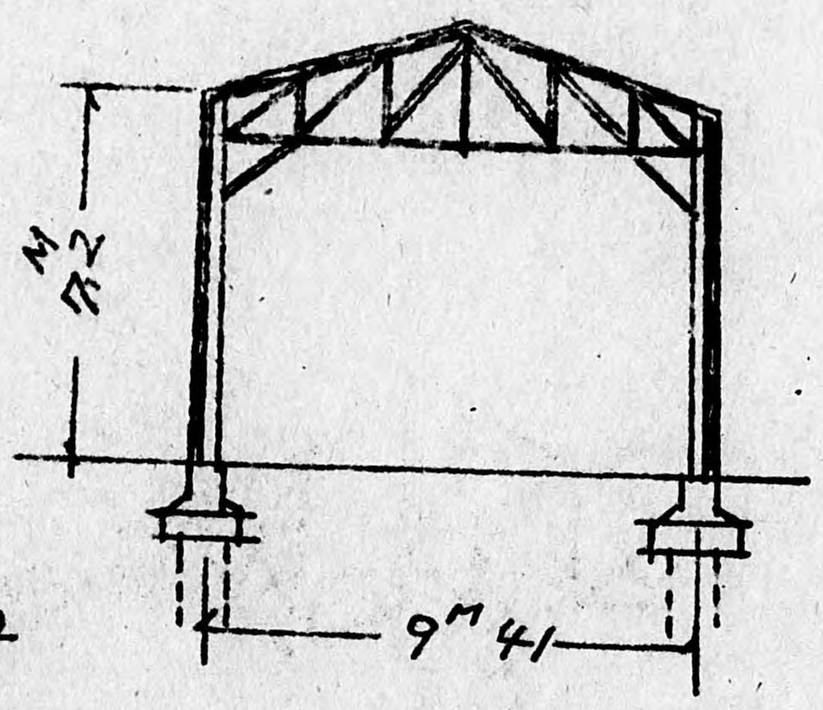


Section
Scale 1:200

26. Drawing Room

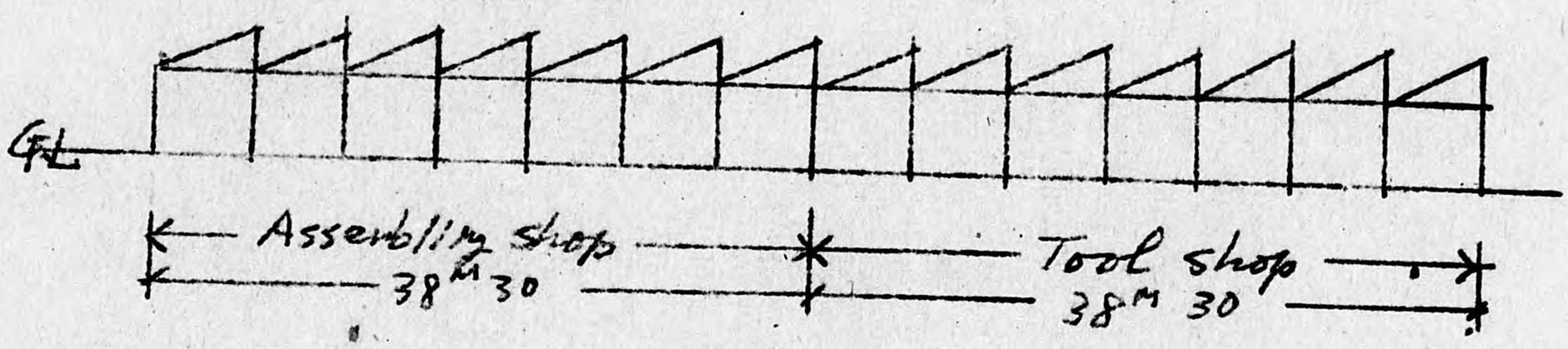


27 Electric power plant

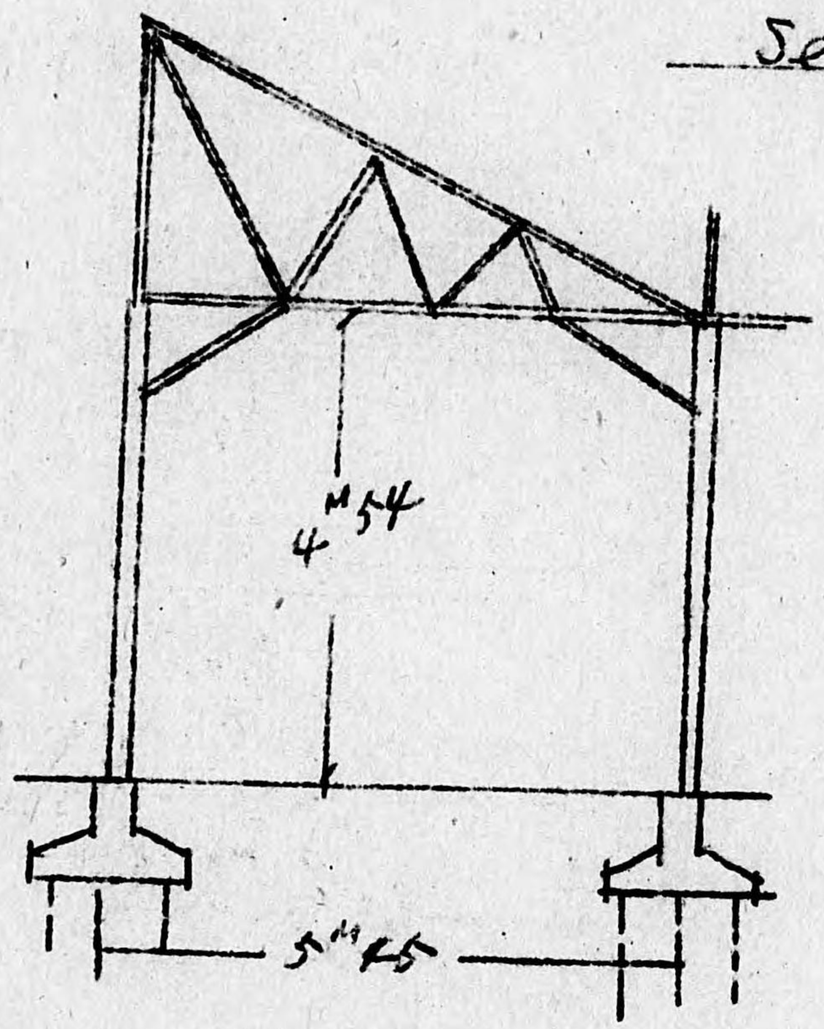


Section
Scale 1:200

28 Tool shop
29 Assembling shop

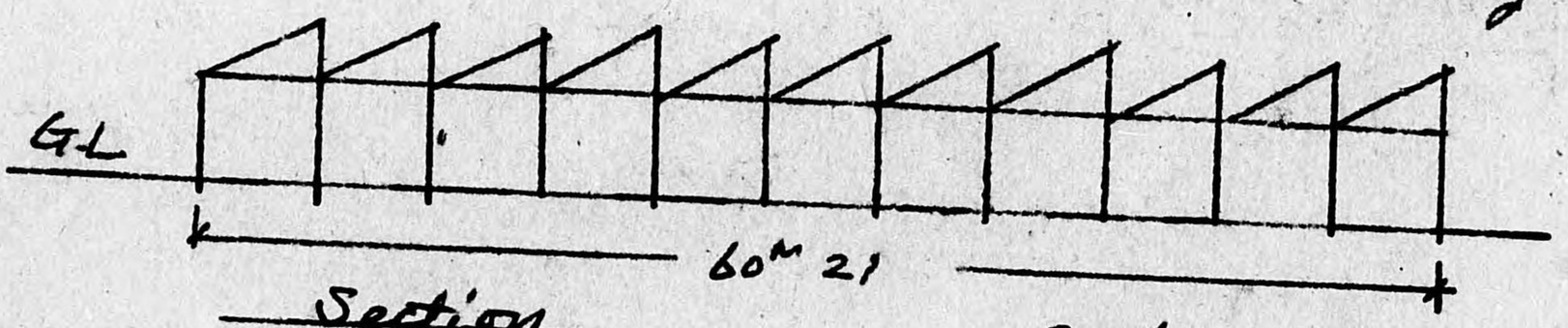


Section
Scale 1:500



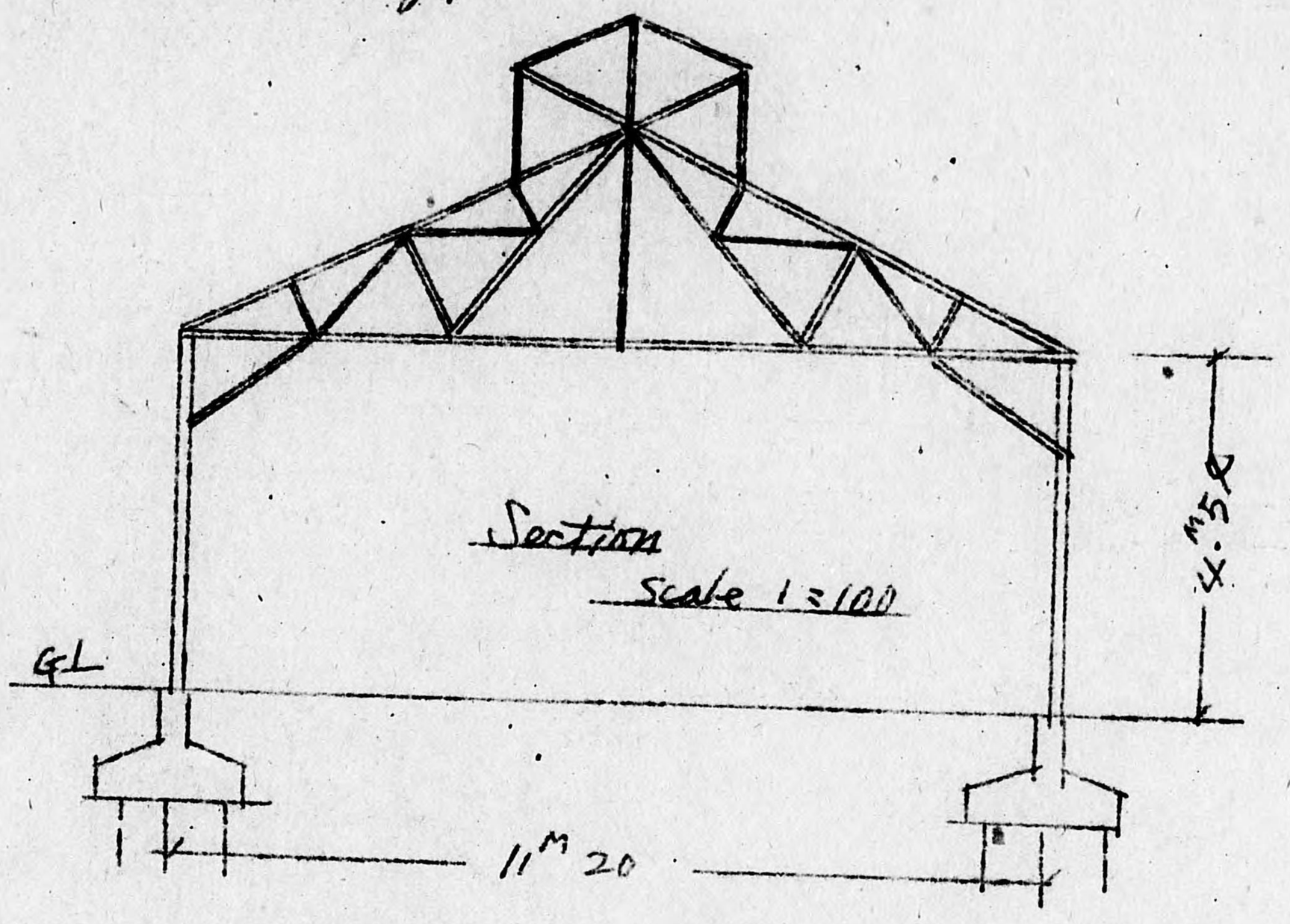
Detail
Scale 1:100

33 Shop for experimental engine (machine, finishing and assembling)



Section
Scale 1:500

30 Steam heating plant

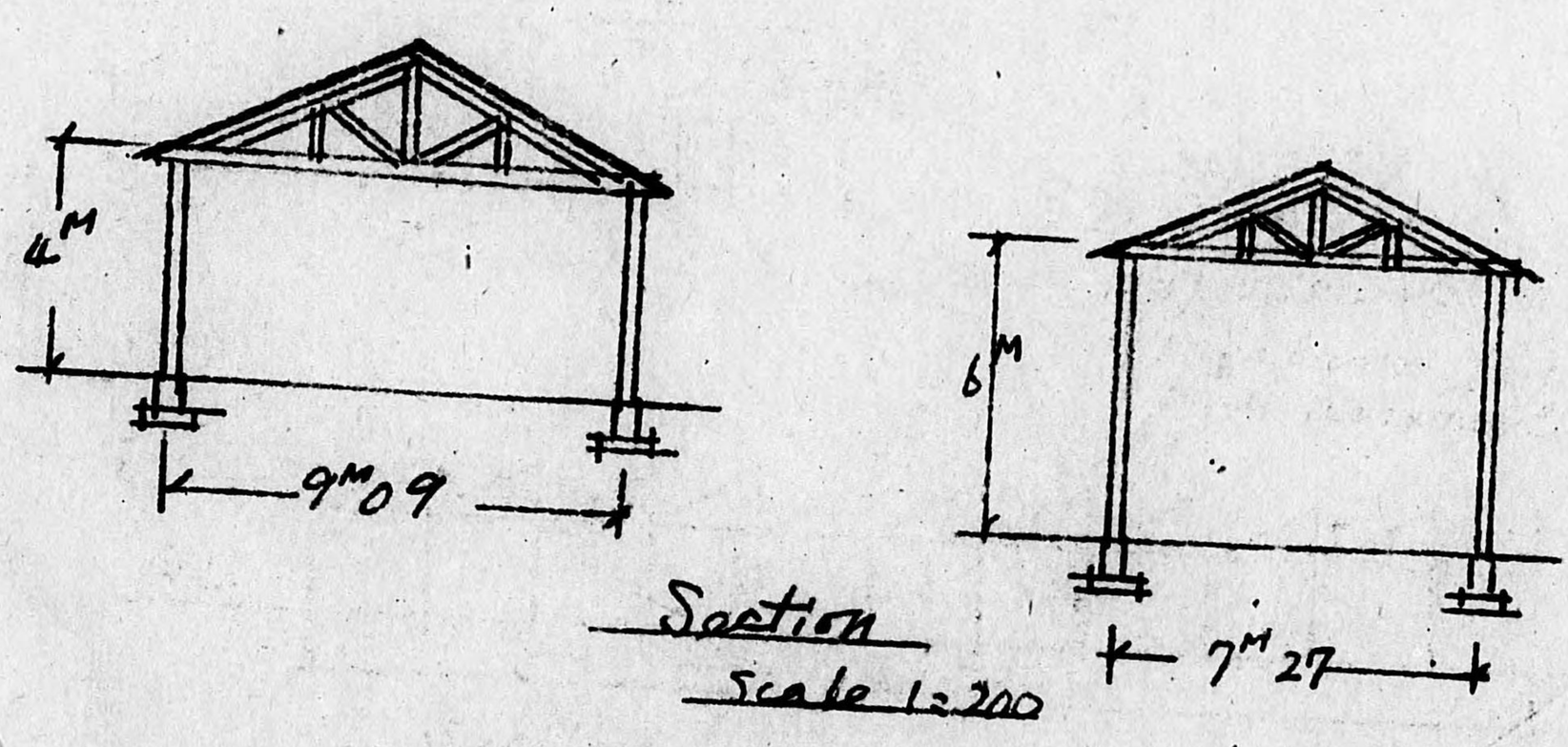


Section

Scale 1:100

31 Laboratory

32 Laboratory

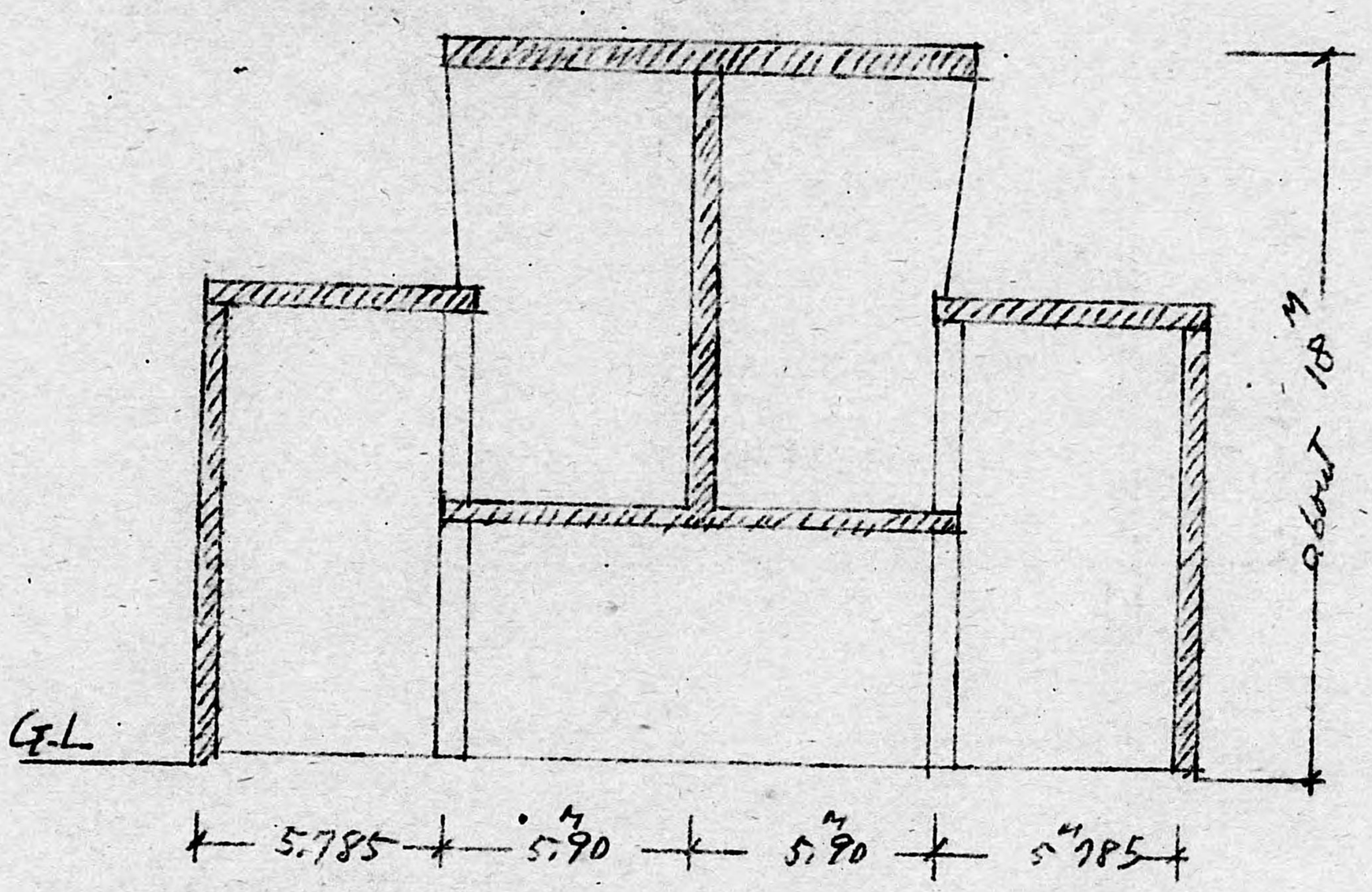


Section

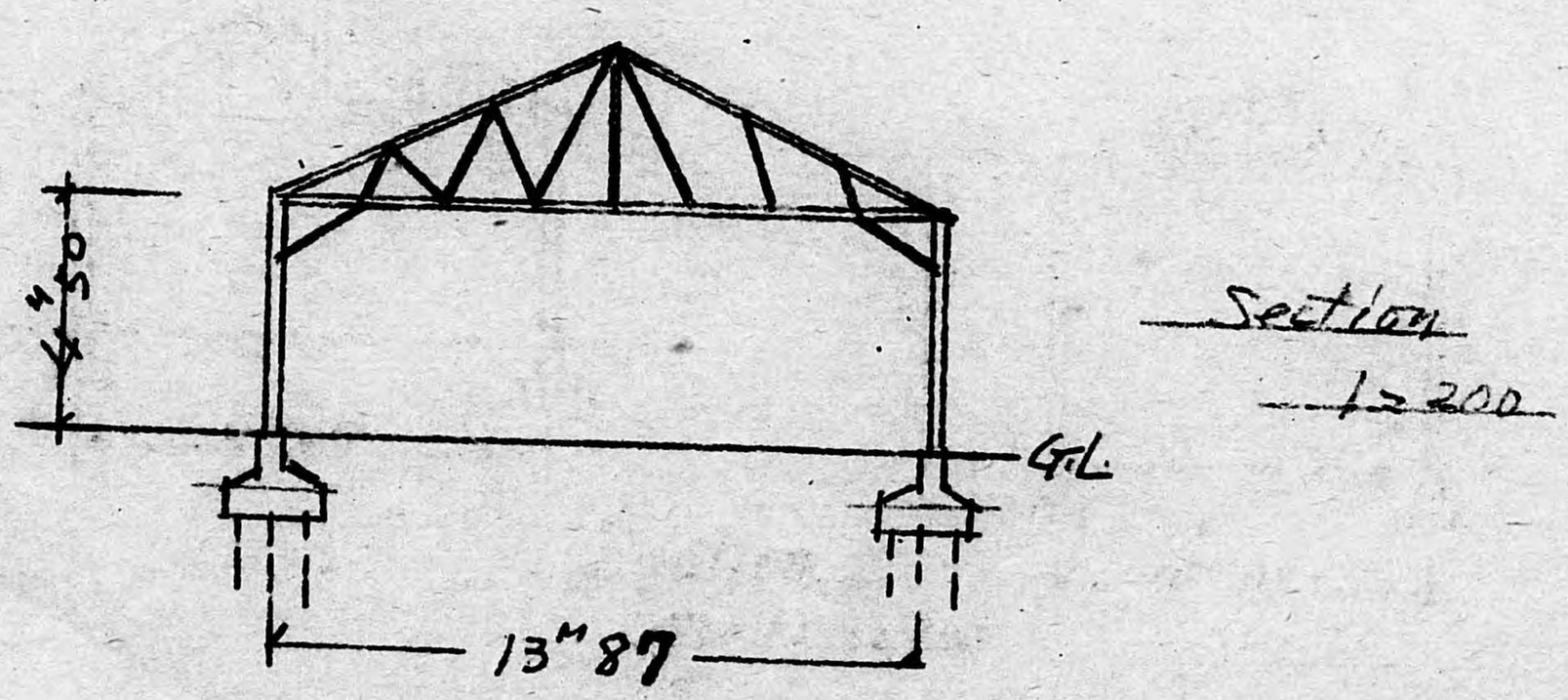
Scale 1:200

34 Running test room

Section
Scale 1:200

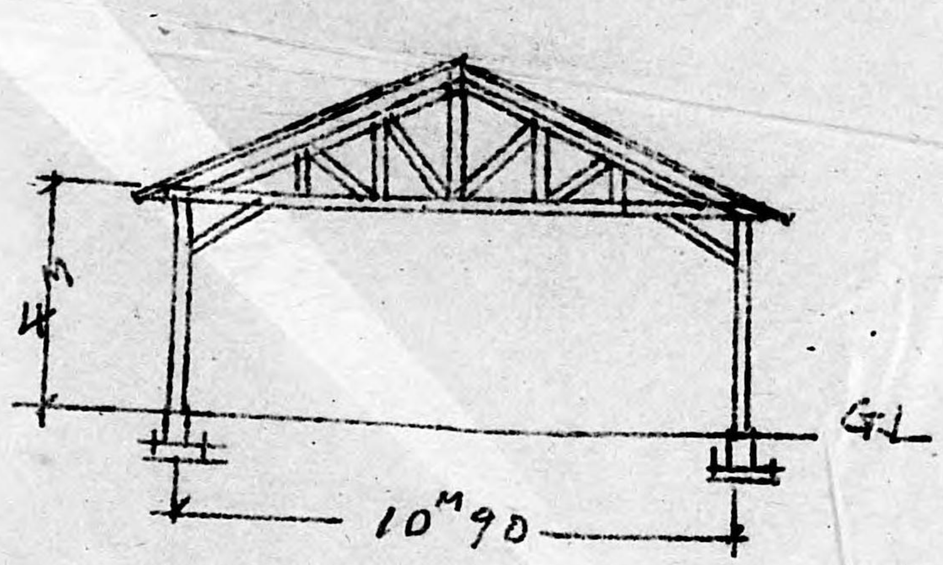


35 Laboratory



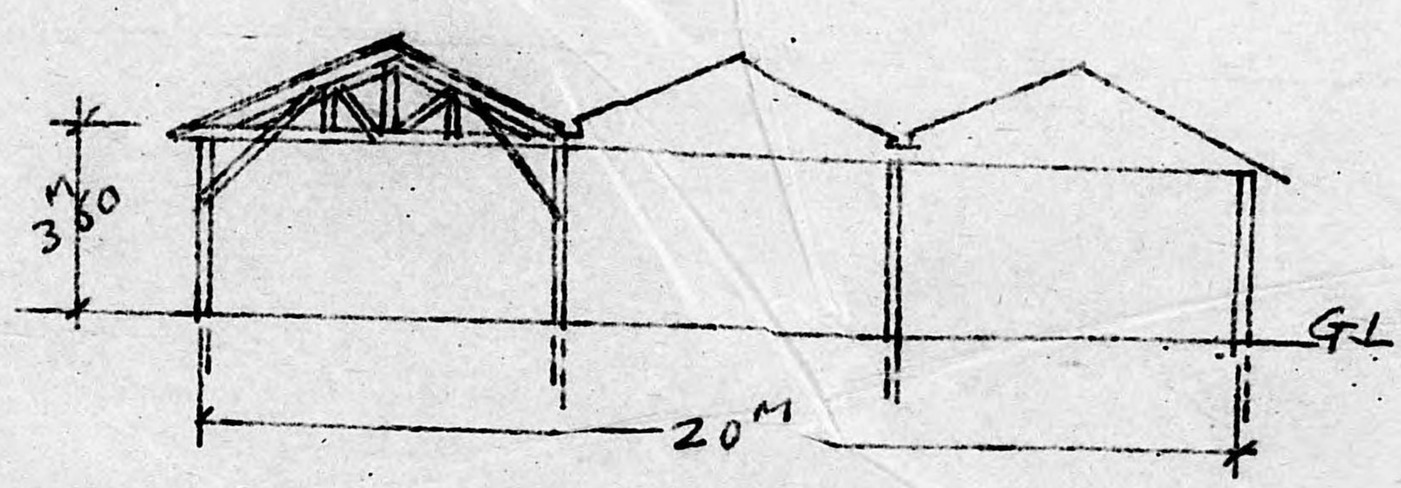
Section
1:200

36, 37 Wooden Pattern shop



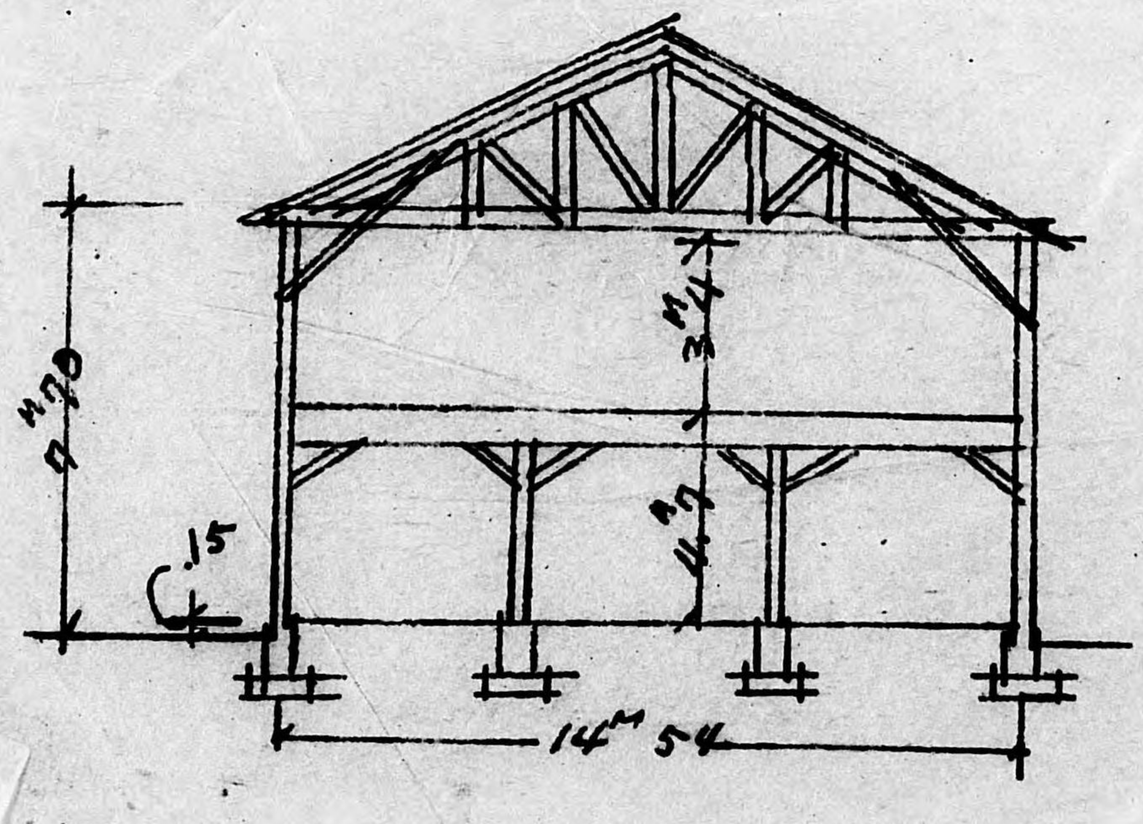
Section
Scale 1:200

38, Strage



39 Storage

Section
Scale 1:200



Section
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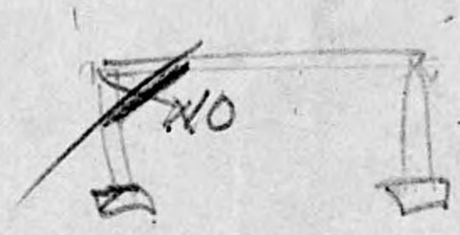
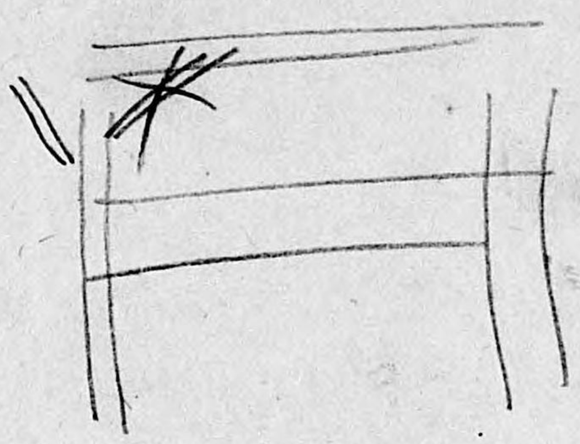
#5 truss spacing
2 M 70 cm

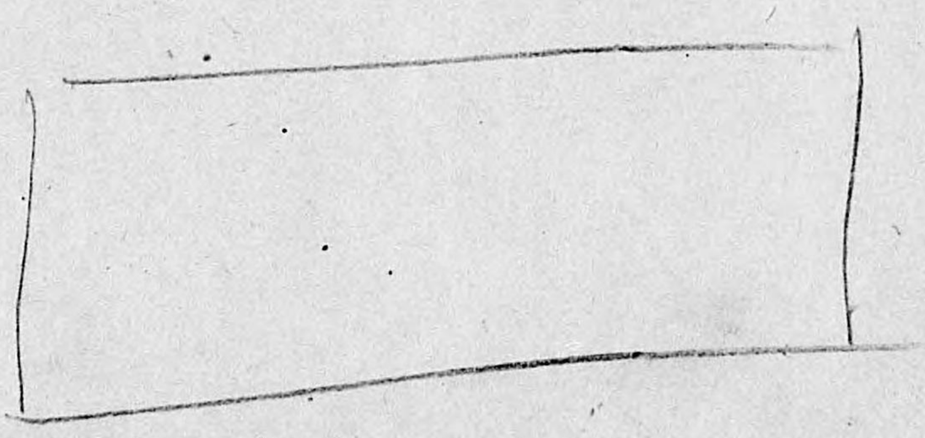


~~#15, 16~~ truss space
1 M 80 cm

19
20
21 – part
7 & 9
10
11
12
13
36 – 39
31
26

33 truss space. 9 M ±





~~7 8 9 10 11 12 13~~ 19 20 21 26 31 36–39

#5 truss spacing 2 M 70 cm
#8 2 M 70
#9 barracks?

#10 2 M 70 13
11 truss space 2 M 70

12 rough wood 1 M 80 cm
13 1 M 80

19 trans spa 1m 80cm

20 same

21 trans spa 2m 120cm

26 " " 2m 70

31 36-39 dmt home

工事番號別工數振譯表(甲)

No.

工場名

調査課	部長	課長	工場長	係員

直接工　一般工 @　養成工 @　女工 @

昭和　年　月分

工事番號	工數	工賃	工數	工賃	工數	工賃	工數	工賃	工數	工賃	工數	工賃
一般工												
速成工、準見習工、見習工												
女工												
計												

工事番號	工數	工賃	工數	工賃	工數	工賃	工數	工賃	工數	工賃	工數	工賃
一般工												
速成工、準見習工、見習工												
女工												
計												

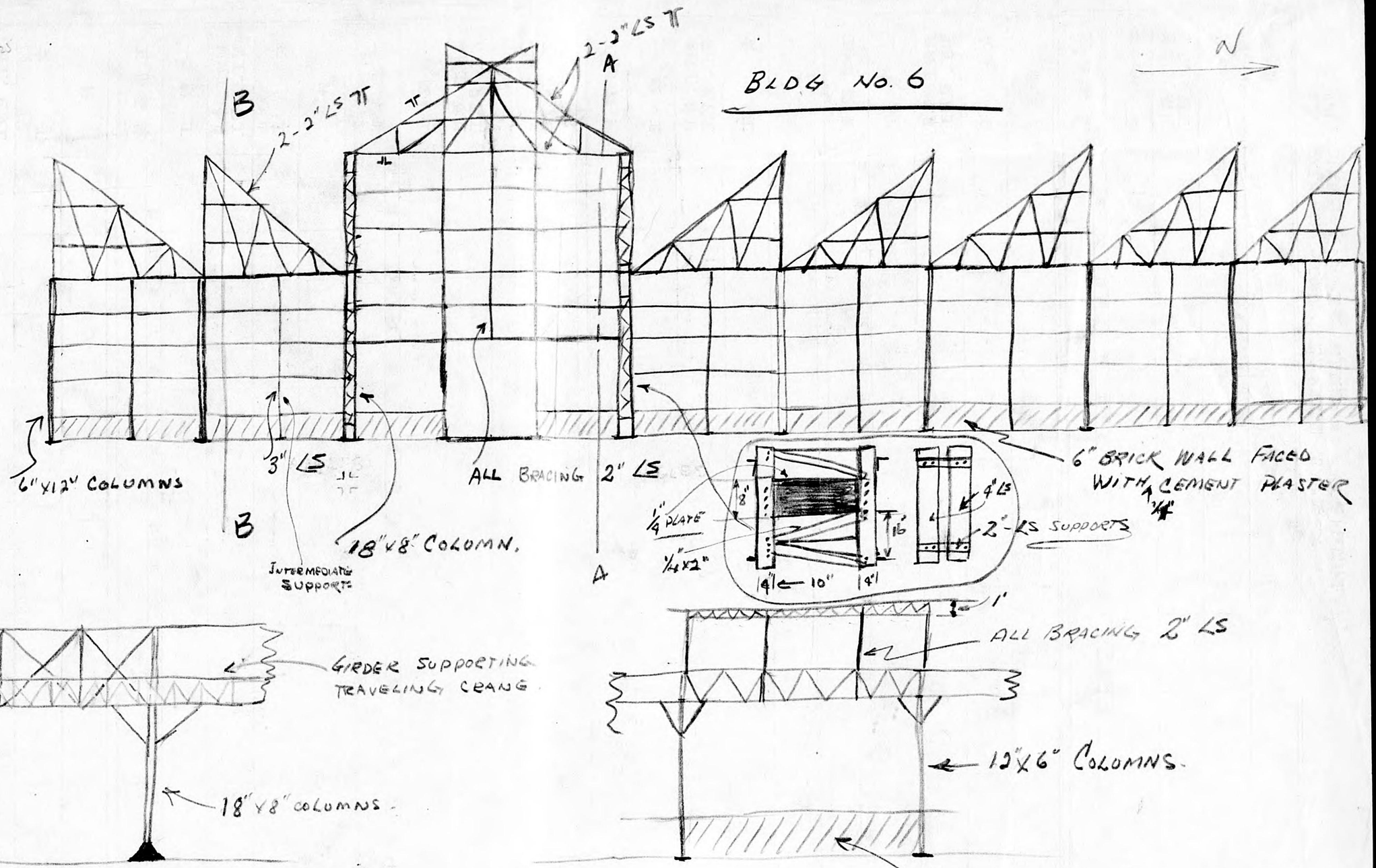
工事番號	工數	工賃	工數	工賃	工數	工賃	工數	工賃	工數	工賃	工數	工賃
一般工												
速成工、準見習工、見習工												
女工												
計												

工事番號	工數	工賃	工數	工賃	工數	工賃	工數	工賃	工數	工賃	工數	工賃
一般工												
速成工、準見習工、見習工												
女工												
計												

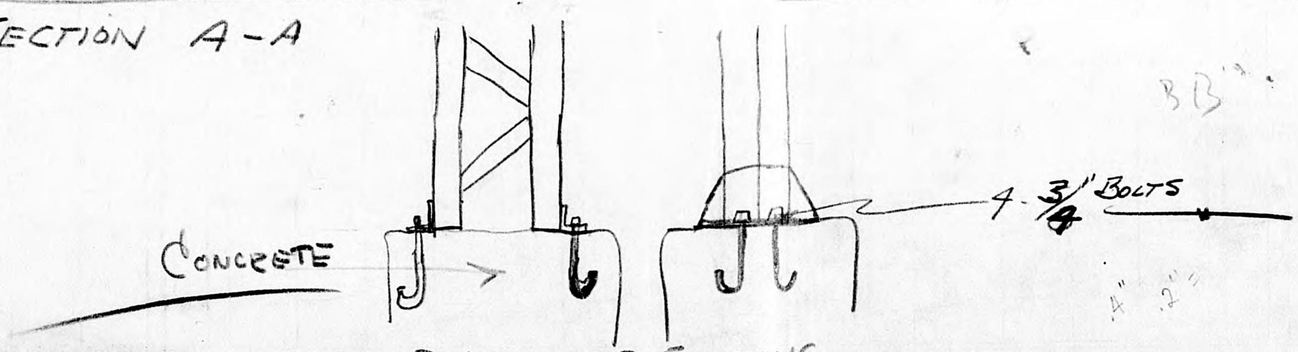
工事番號	工數	工賃	工數	工賃	工數	工賃	工數	工賃	工數	工賃	工數	工賃
一般工												
速成工、準見習工、見習工												
女工												
計												

工事番號	工數	工賃	工數	工賃	工數	工賃	工數	工賃	工數	工賃	直接工計 工數	直接工計 工賃
一般工												
速成工、準見習工、見習工												
女工												
計												

◎注意事項
1. 各工場ニ於テハ工數欄ノミ記入シ工賃欄ハ記入ヲ要セズ
2. 工具製造ニ要シタル工數ハ納品製造ニ要シタル工數ト區別計上スルコト



SECTION A-A



DETAIL OF FOOTING

代材區分

拂出傳票

昭和　年　月　日

飛

渡先	工事番號	整理番號	監檢有無	科目

符號	品名寸度	數量	單價	金額		備考
			計			

材料課	
財務課	
原價計算課	
送附票	
明細書	
カード	

17.9. 200×10000

HQ. ① Office

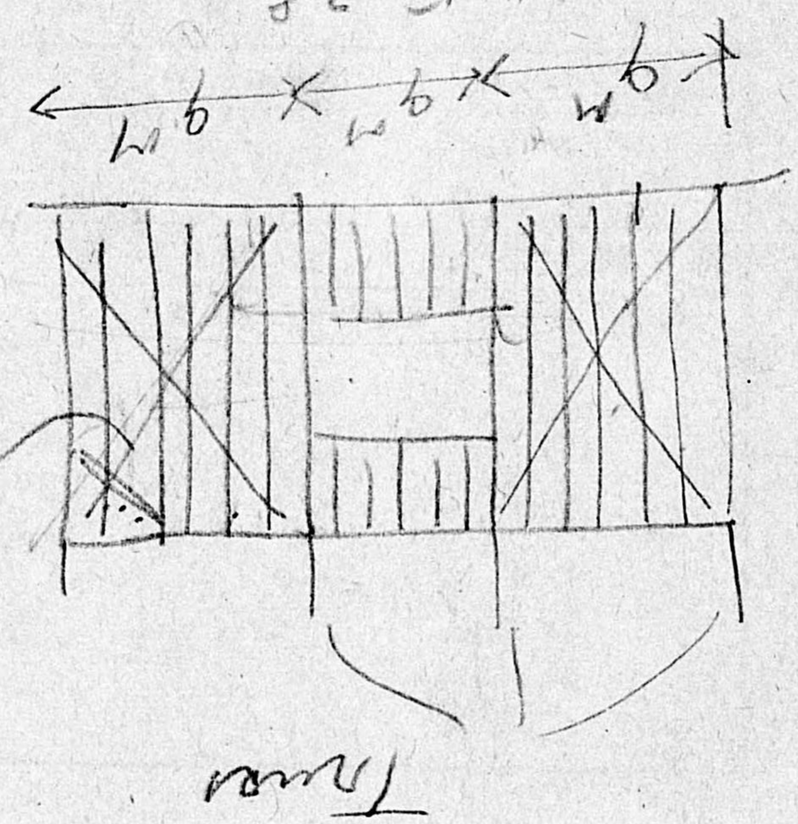
② HQ Office basement. Cold Rooms - meat & vegetables

③ Warehouse

④ Office

⑤ Warehouse miscellaneous stuff

⑥ Crossing



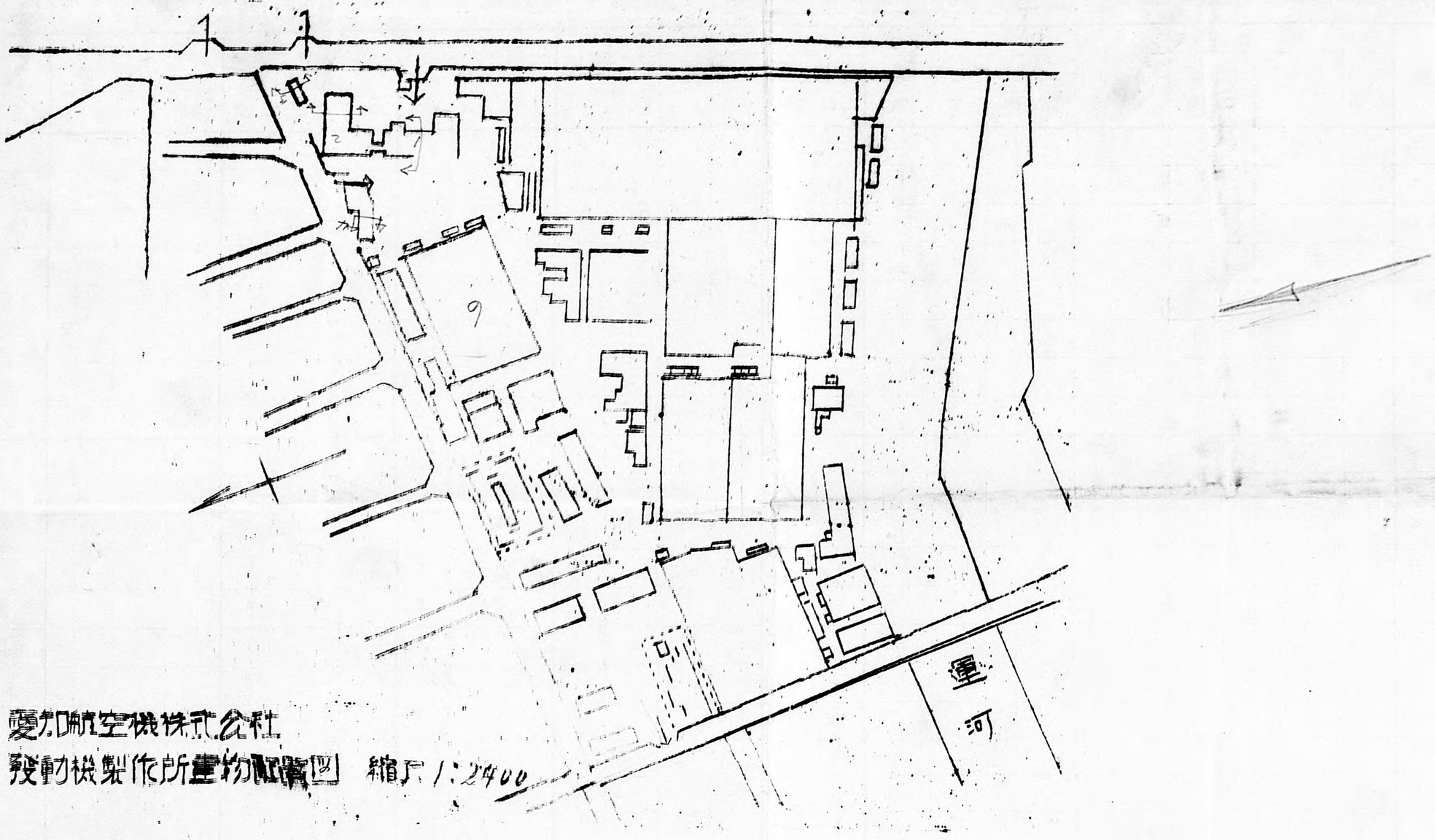
工　賃　月　報

（昭和　　年　　月分）

工場名		工場長印		工場取扱者印	

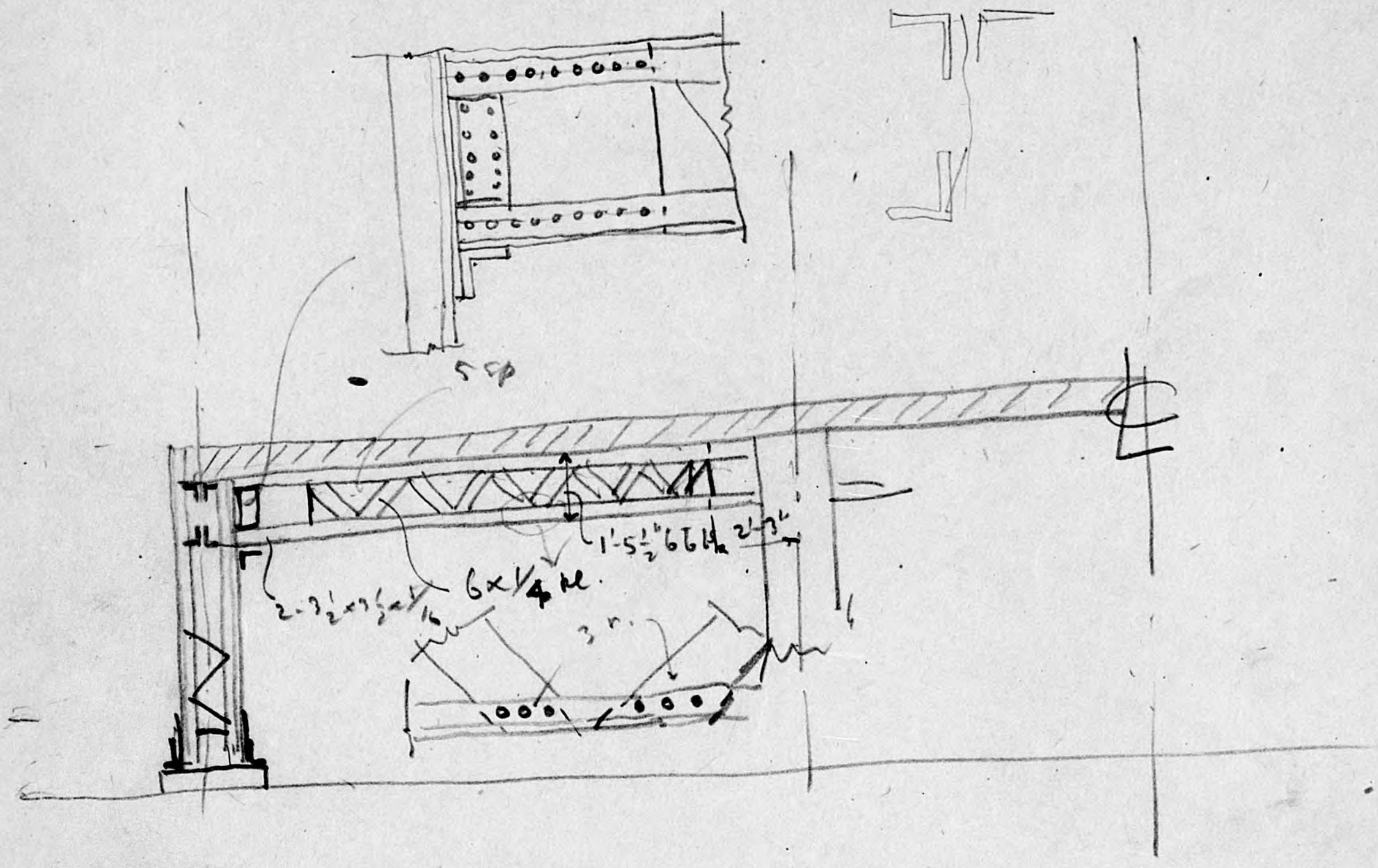
工種		A 支給人員	B 總人工	C 基本工賃	D 實働工賃	E 手當額及皆勤賞與	F=D+E 實收工賃	G 定額日給 合計	G/A 定額日給 平均	D/C 平均歩率	B/A 平均人工	F/B 一人工平均收入	F/A 一人當平均月收	最高 日給	最高 月收	最低 日給	貸又ハ他工場ヨリ轉入 工場名	貸又ハ他工場ヨリ轉入 人工	貸又ハ他工場ヨリ轉入 工賃	借又ハ他工場ヘ轉出 工場名	借又ハ他工場ヘ轉出 人工	借又ハ他工場ヘ轉出 工賃	臨時拂人員	皆欠勤人員
直接工	一般工																							
	速成工																							
	準見習工																							
	見習工																							
	女工																							
	計																							
間接工	役付 組長																							
	役付 伍長																							
	筆記工																							
	見習筆記工																							
	女筆記工																							
	整理工																							
	圖工																							
	見習圖工																							
	雜工																							
	女雜工																							
	計																							
合計																								

備考

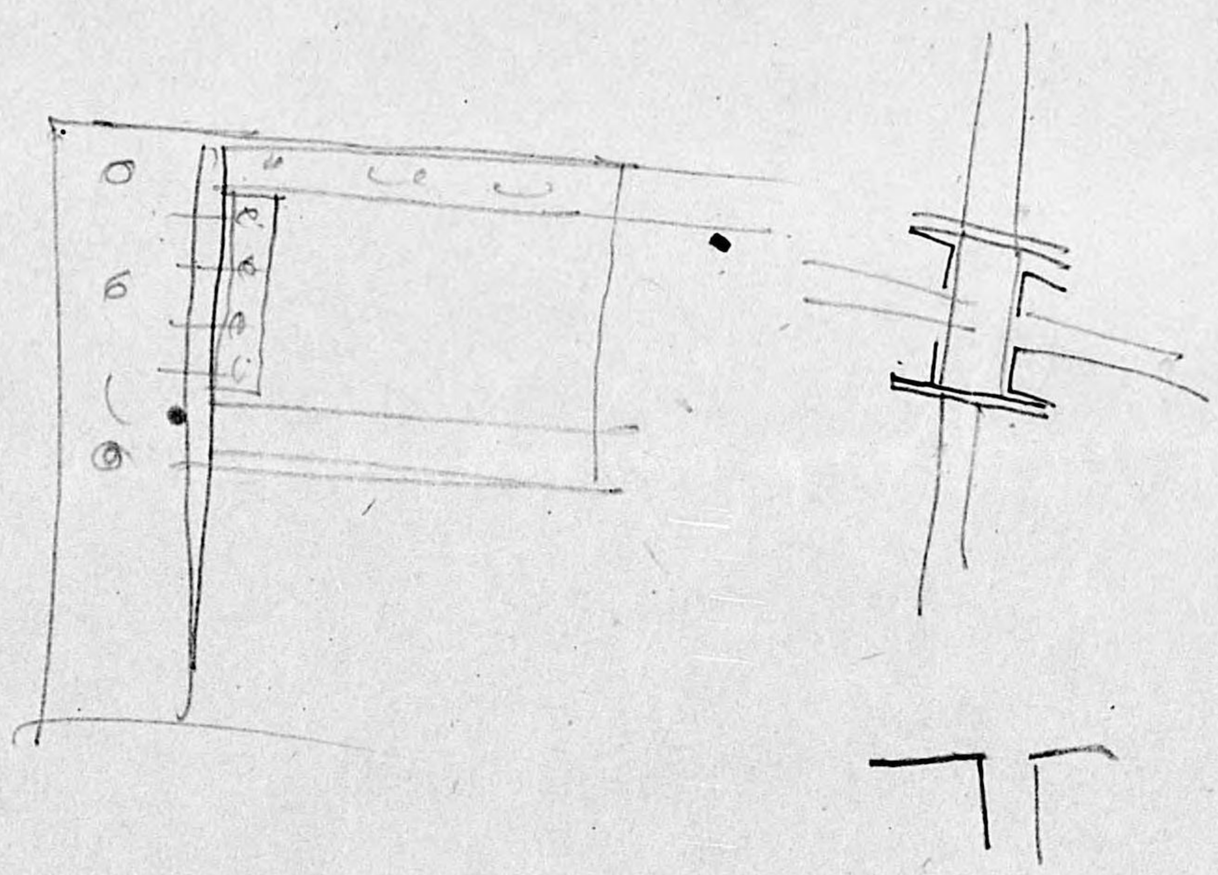


愛知航空機株式会社
發動機製作所建物配置図　縮尺 1:2400

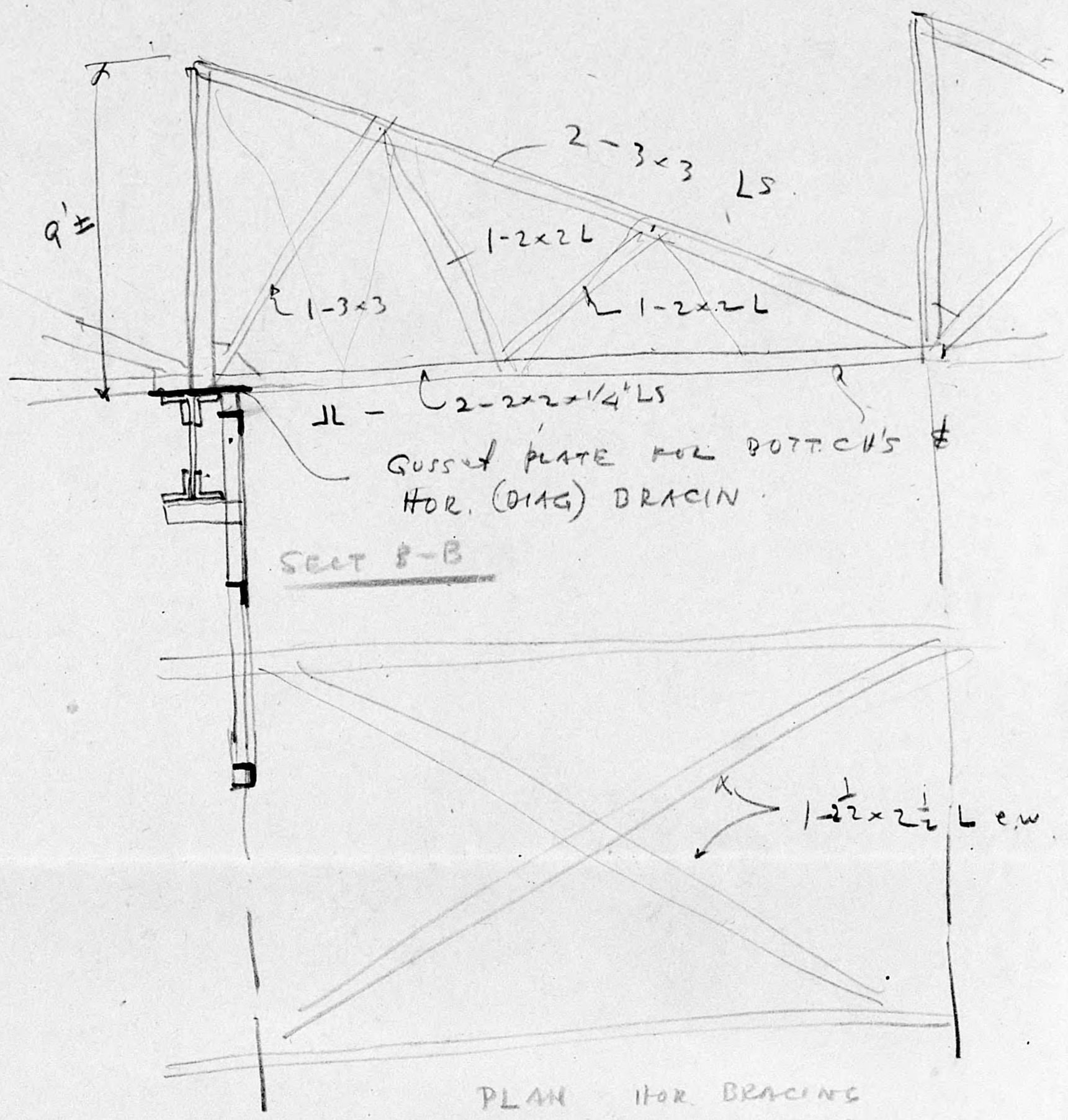
ATSUTA – #17

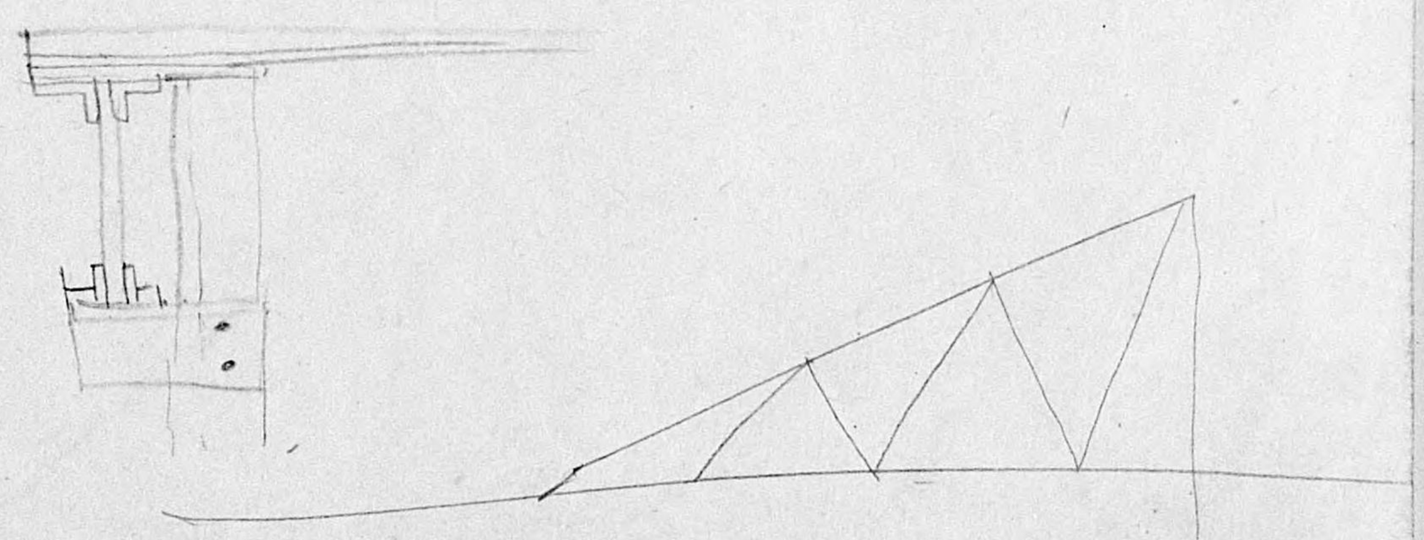


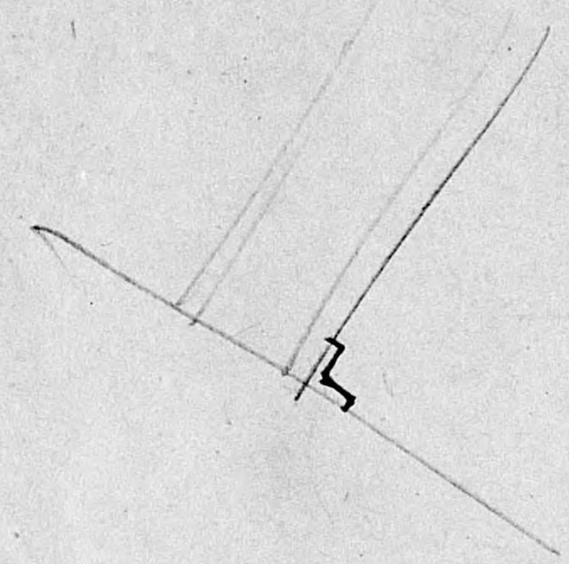
SECT E-E.

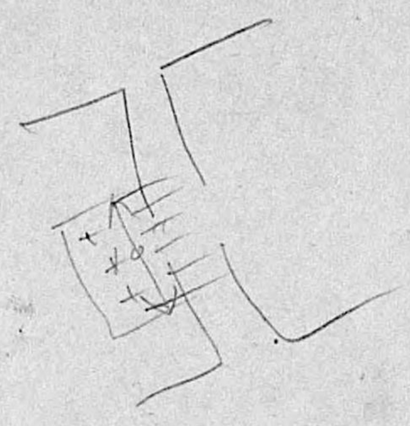


ATSUTA — #17.

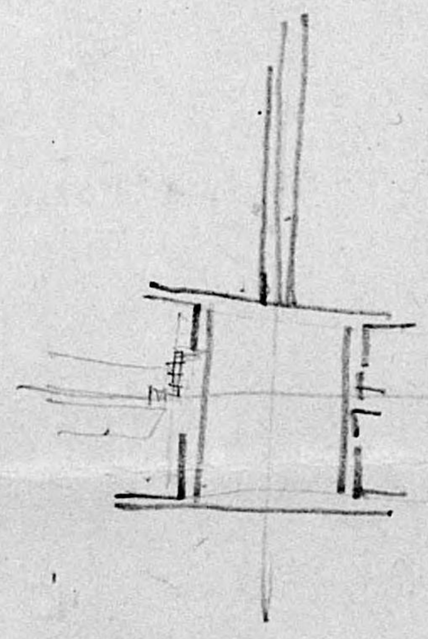

2 - 3×3 LS
9'±
1-2×2 L
1-3×3
1-2×2 L
2-2×2×1/4" LS
GUSSET PLATE FOR BOTTOM'S &
HOR. (DIAG) BRACIN
SECT B-B
1-2½×2½ L e.w
PLAN HOR BRACING

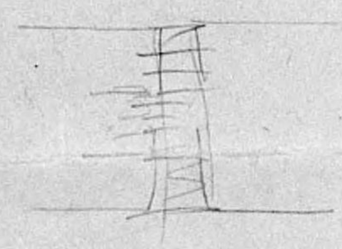


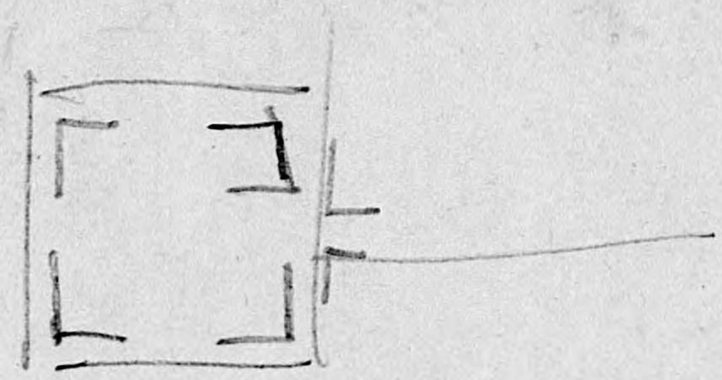




VARIES

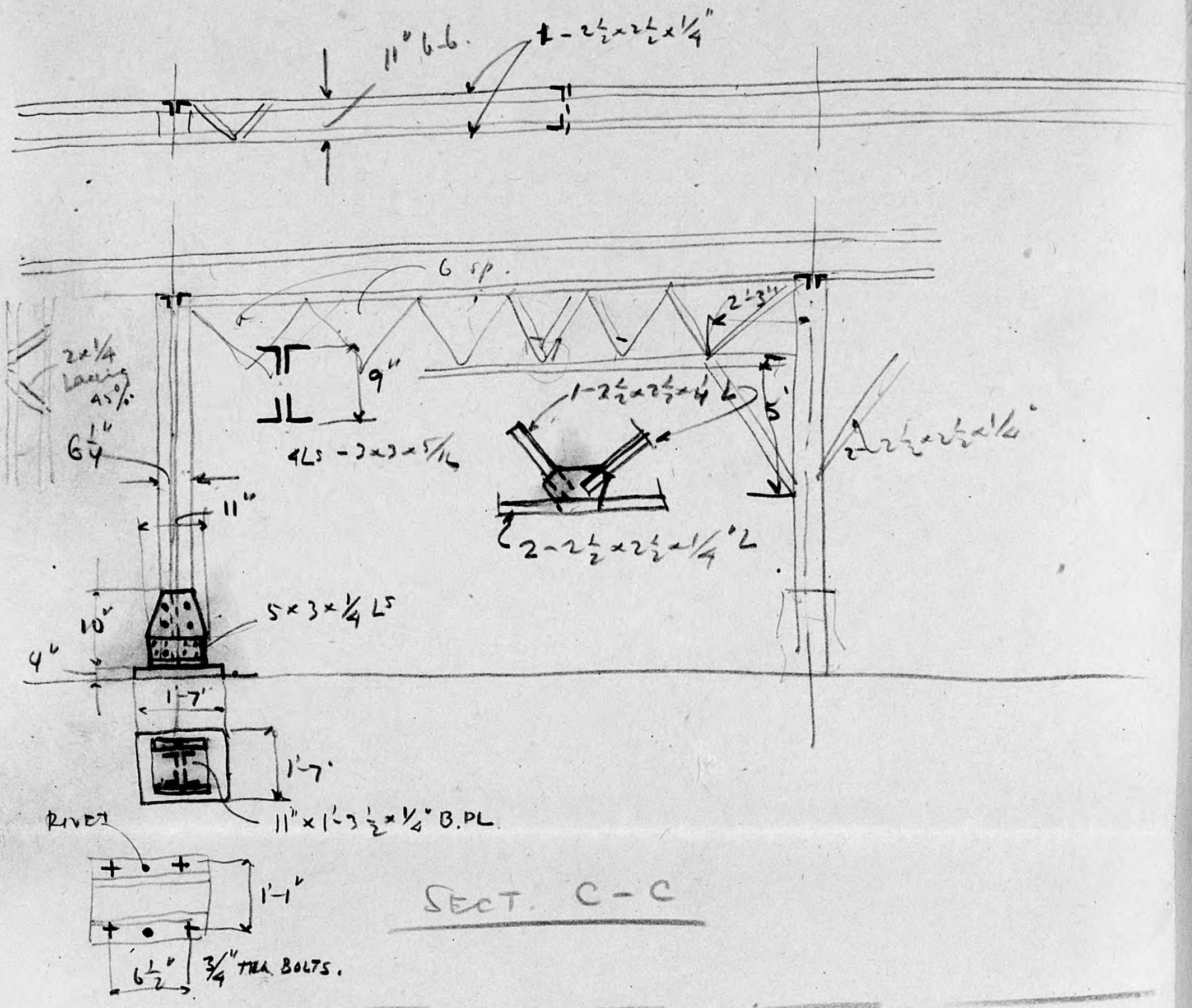






ATSUTA — #17

(3)

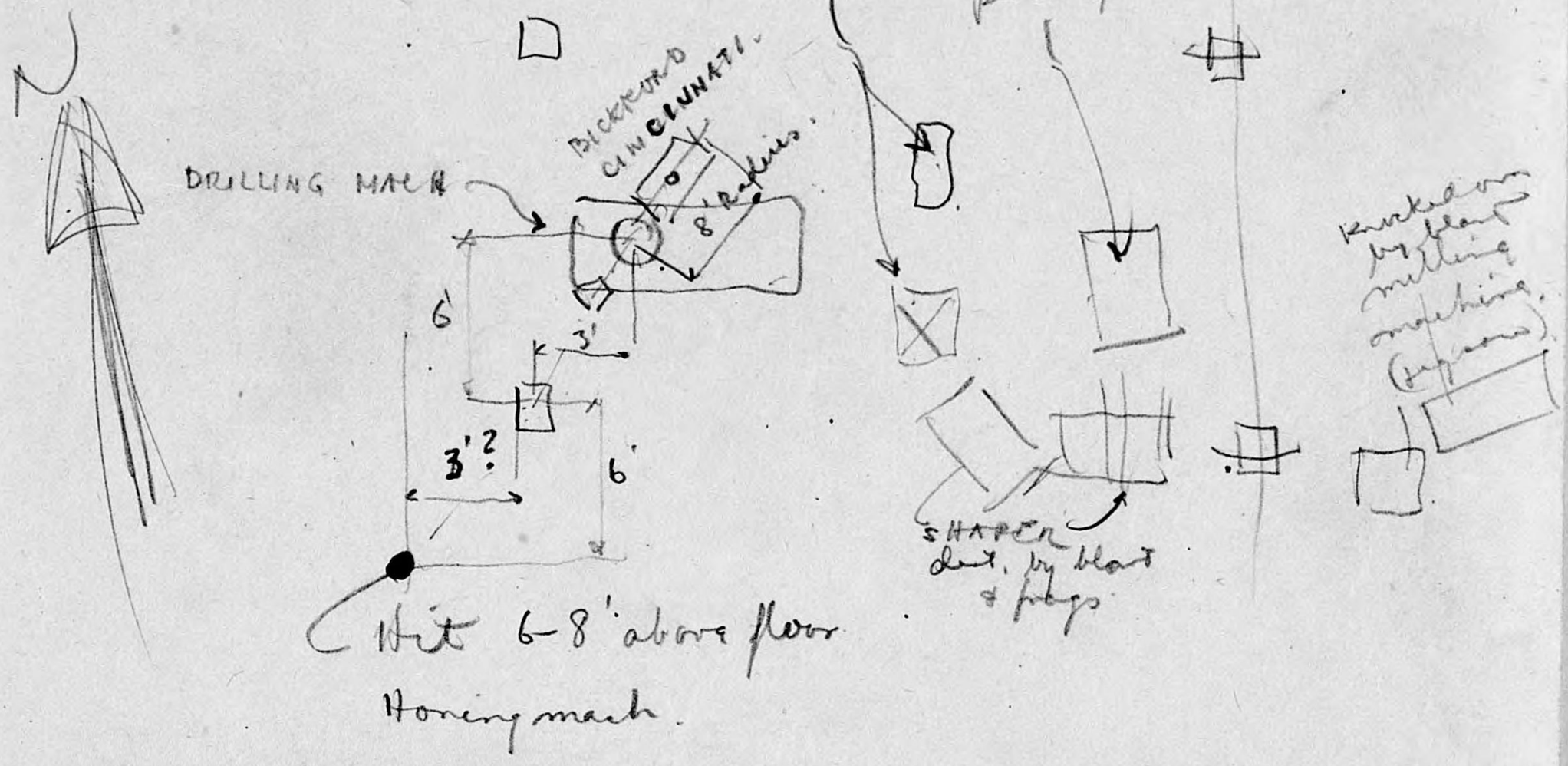


SECT. C-C

SECT. D-D

MICH - ATSOTA

Set location
plan of orig.
mach. location.



Plant to make up detail plan of this area with location of machines.

1" = 30'

1 in 600

1" = 600"

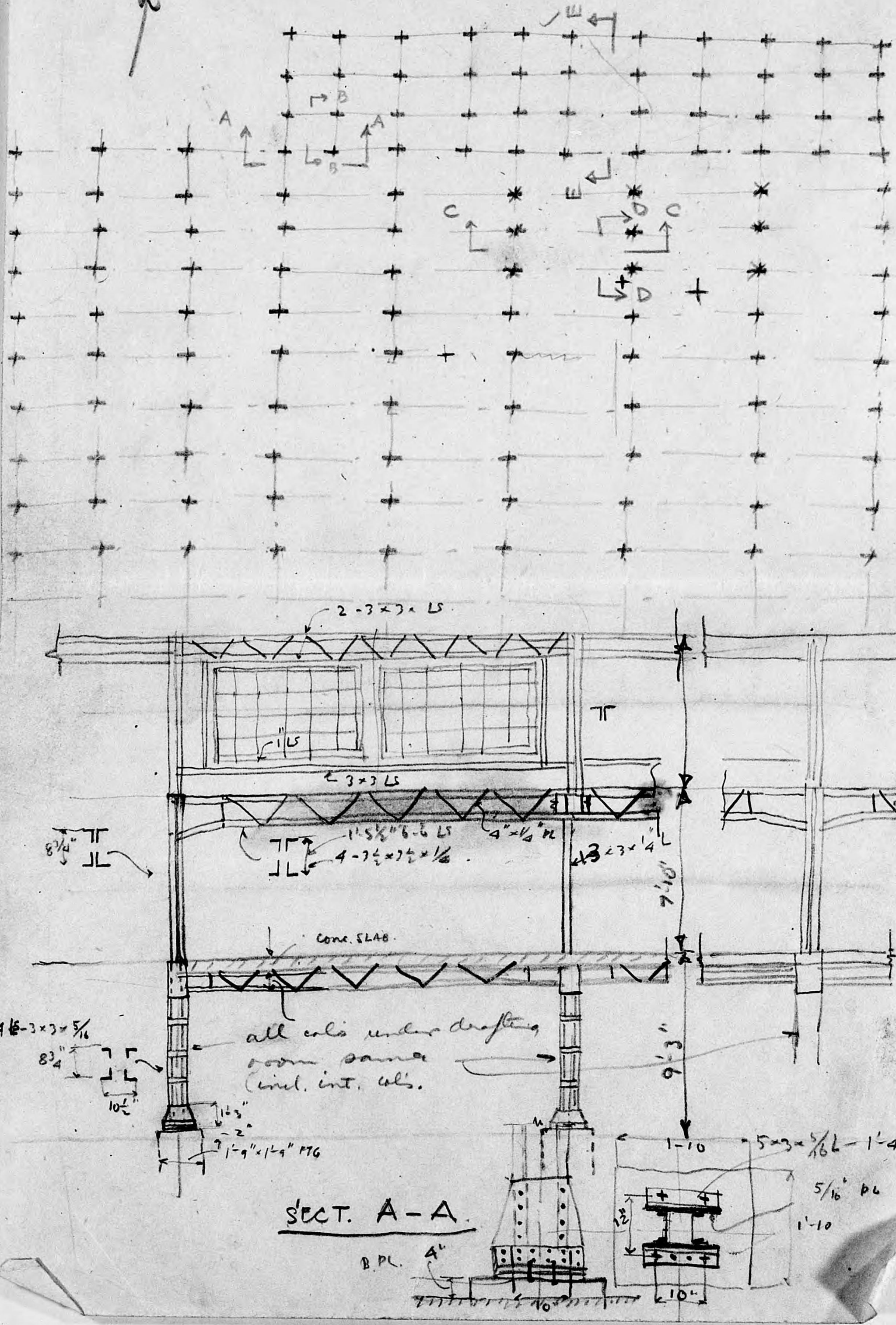
1" = 50'

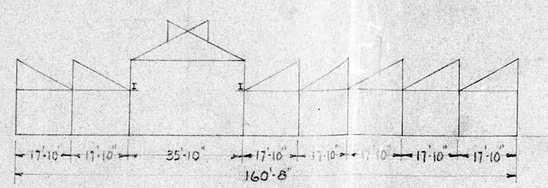
1 1 1/30

ATSUTA

DETAILS BLDG 17.

1

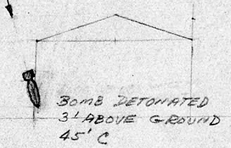




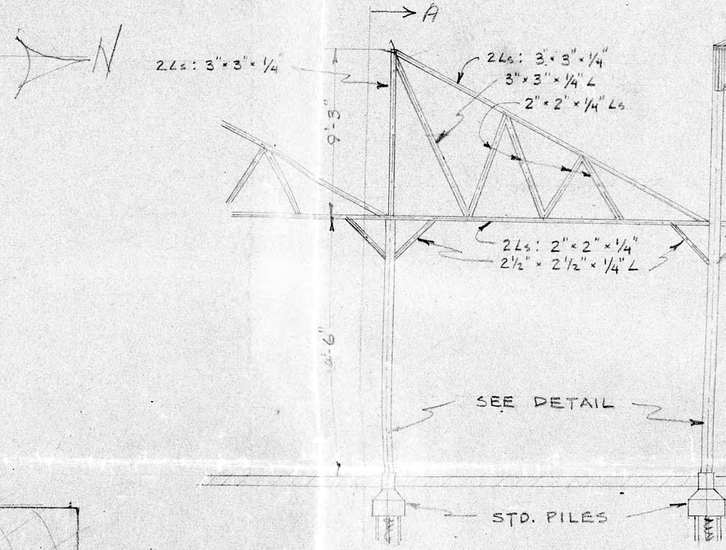
SECTION

~~END ELEVATION~~

SCALE: 1" = 25 FEET

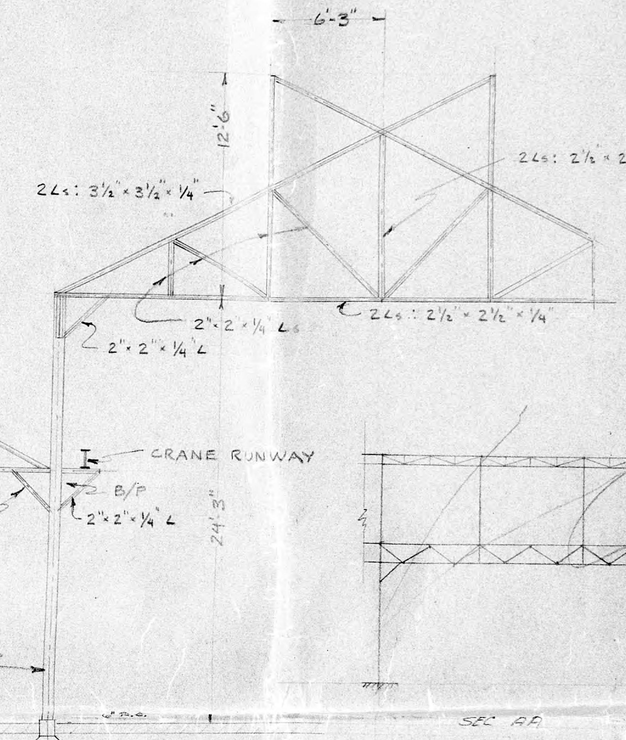


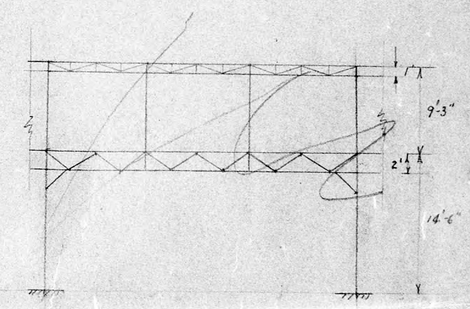
BOMB DETONATED
3' ABOVE GROUND
45' C

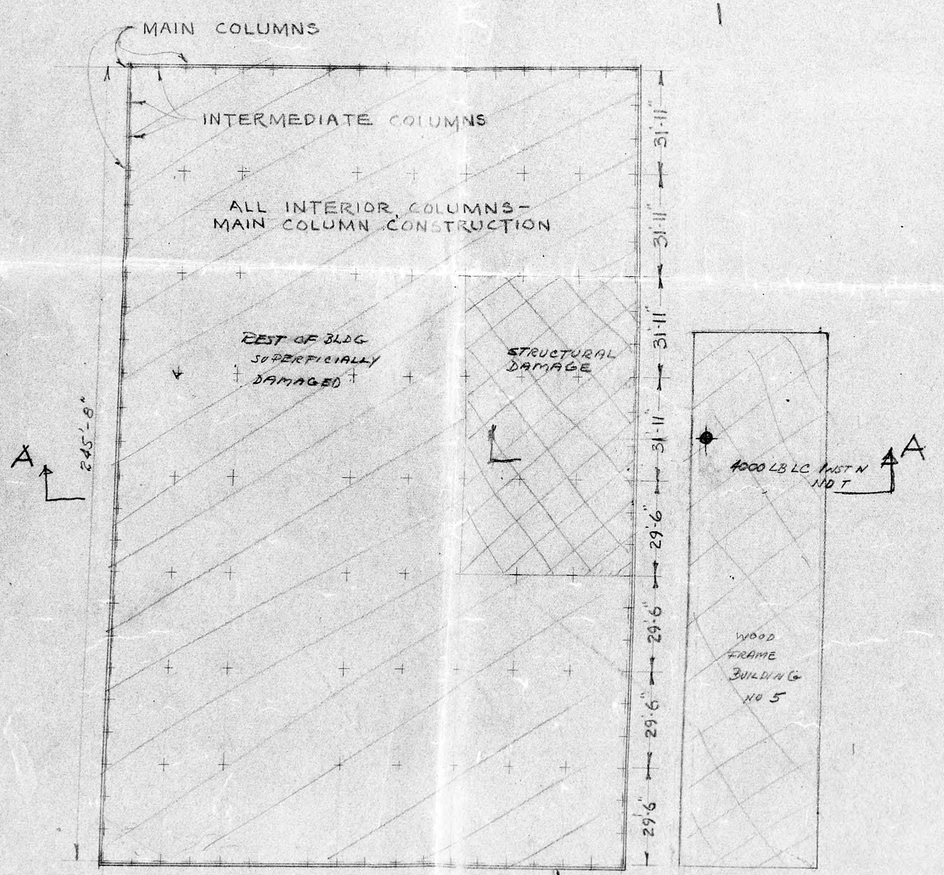


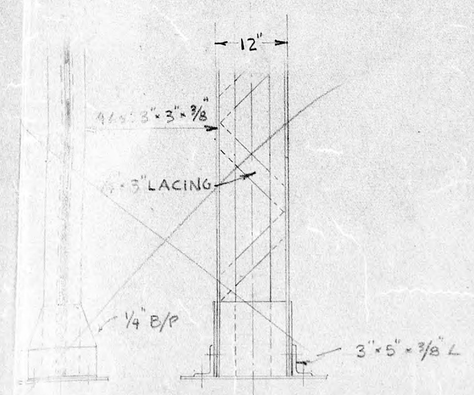
TRUSS DETAIL

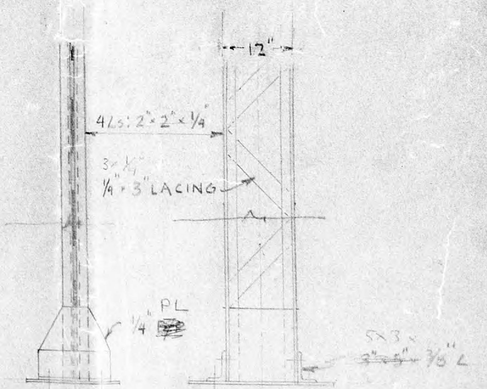
SCALE: 3/16" = 1 FOOT

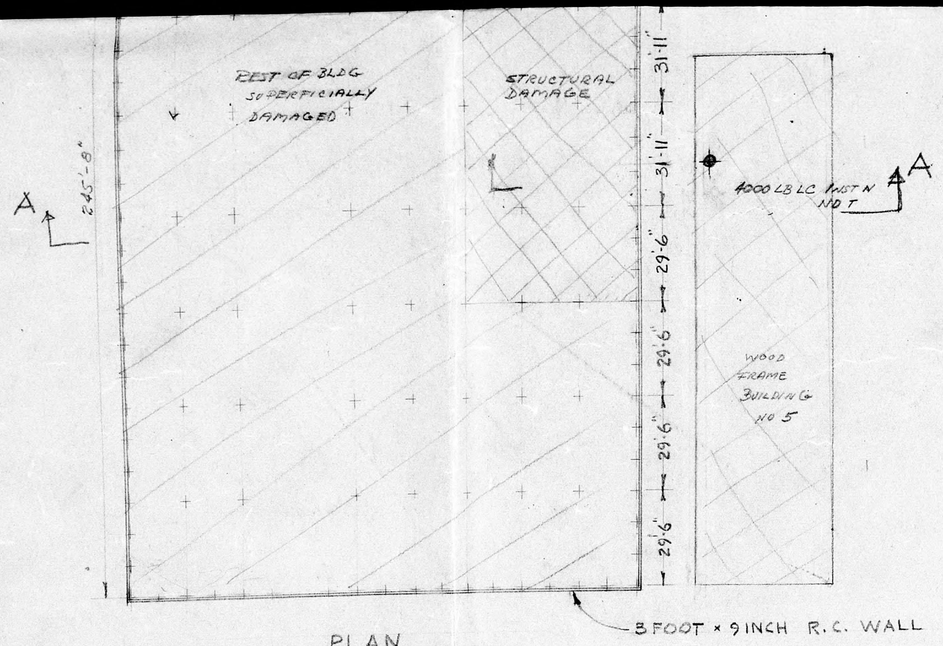




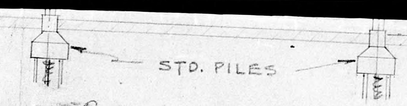




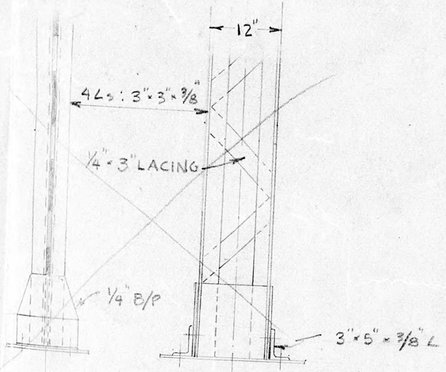




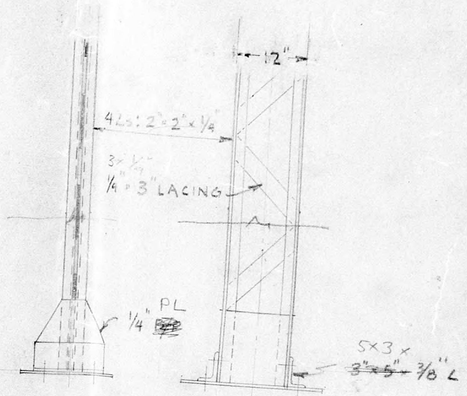
PLAN
SCALE: 1" = 30 FEET



TRUSS DETAIL
SCALE: 3/16" = 1 FOOT



DETAIL
MAIN COLUMN



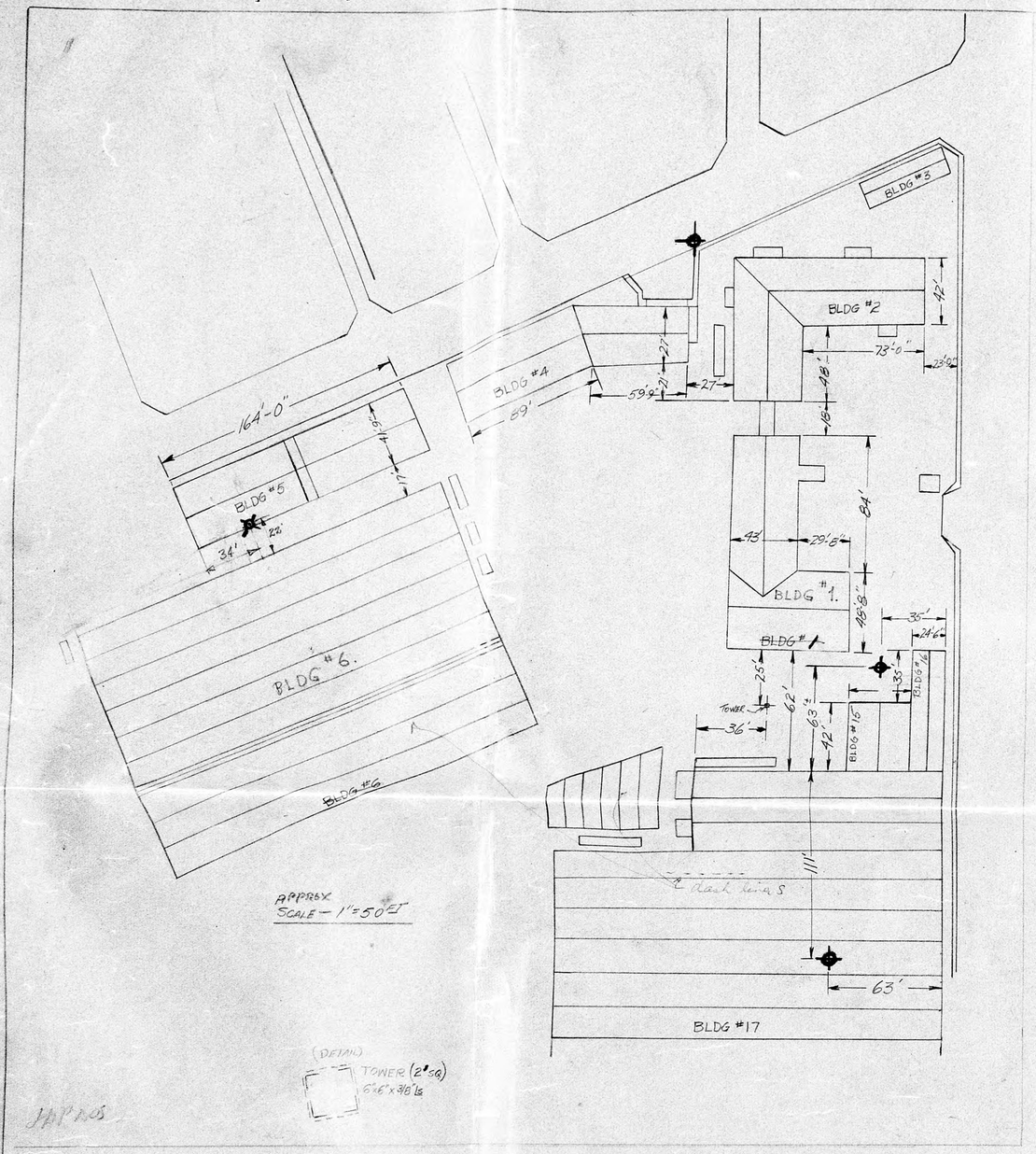
DETAIL
INTERMEDIATE COLUMN

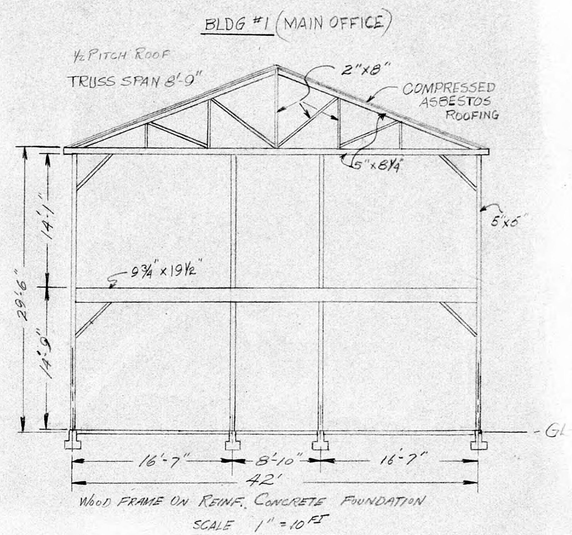
SCALE: 3/4" = 1 FOOT

BUILDING #6
ATSUTA

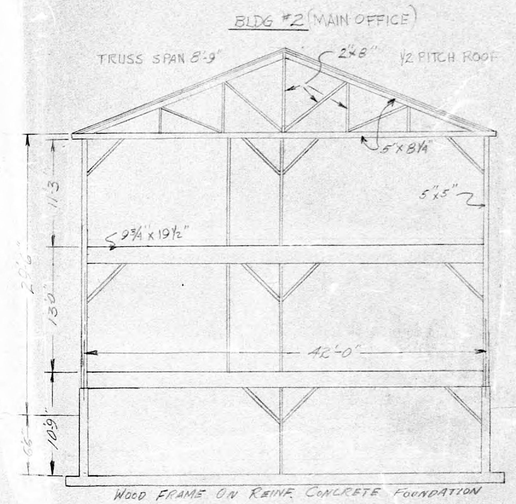
Damage plot

Traced in Ink
1-31-46
Naylor

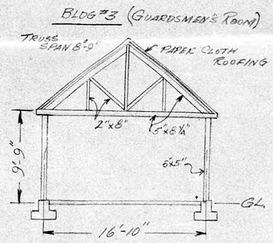




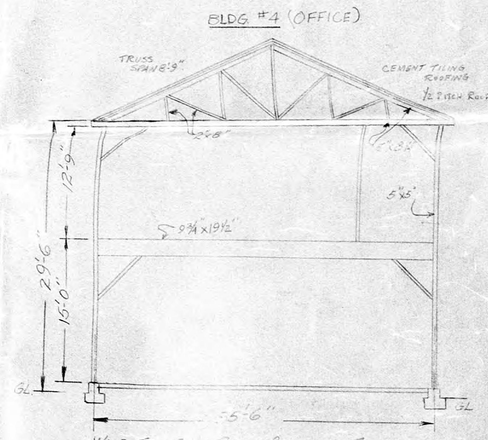
WOOD FRAME ON REINF. CONCRETE FOUNDATION
SCALE 1" = 10 FT



WOOD FRAME ON REINF. CONCRETE FOUNDATION
SCALE 1" = 10 FT



WOOD FRAME ON REINF. CONCRETE FOUNDATION
SCALE 1" = 10 FT



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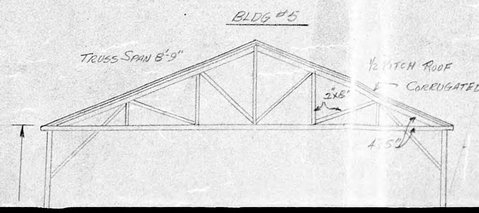
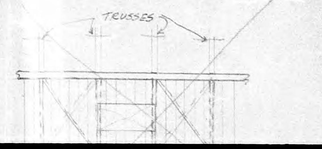
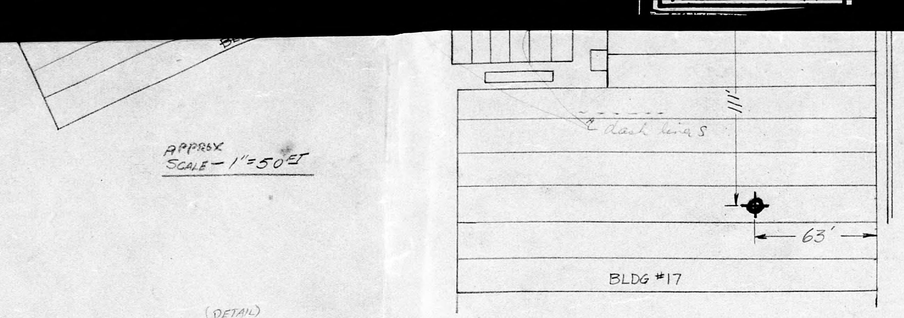
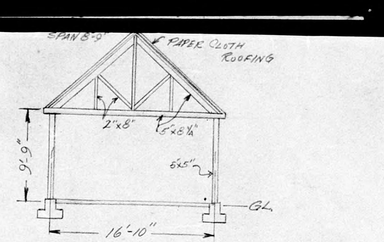
SCALE 1" = 10 FT









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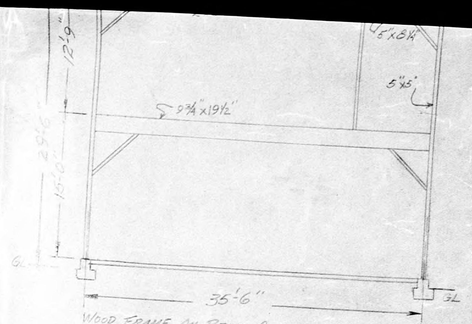
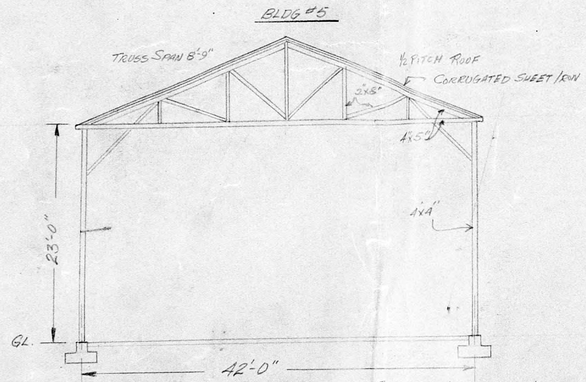
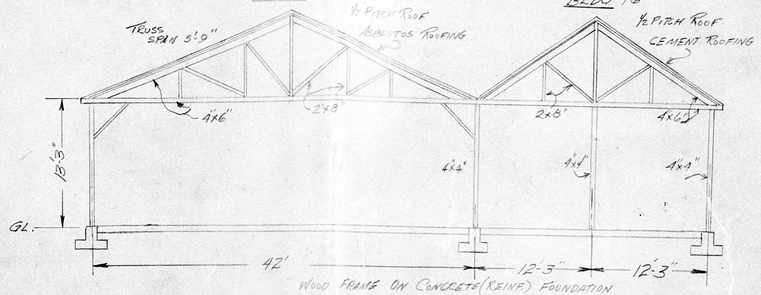
SCALE 1" = 10 FT



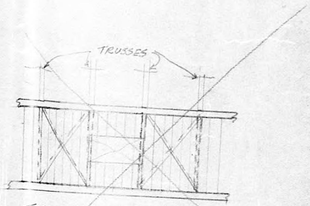
WOOD FRAME ON REINF. CONCRETE FOUNDATION
SCALE 1" = 10 FT



WOOD FRAME ON REINF. CONCRETE FOUNDATION
SCALE - 1" = 10 FT



WOOD FRAME ON CONCRETE (REINF) FOUNDATION
SCALE 1" = 10 FT



TYPICAL BRACING FOR ALL FRAME BLDGS.

LAYOUT SHOWING HITS AT ATSUTA, AND ALL BUILDINGS DAMAGED OR DESTROYED.

SCALE - AS NOTED

工事番號別工數振譯表(甲)

No.

工場名

調査課	部長	課長	工場長	係員

直接工　一般工 @　養成工 @　女工 @

昭和　年　月分

工事番號																								
	工數		工賃		工數		工賃		工數		工賃		工數		工賃		工數		工賃		工數		工賃	
一般工																								
速成工、準見習工、見習工																								
女工																								
計																								

工事番號																								
	工數		工賃		工數		工賃		工數		工賃		工數		工賃		工數		工賃		工數		工賃	
一般工																								
速成工、準見習工、見習工																								
女工																								
計																								

工事番號																								
	工數		工賃		工數		工賃		工數		工賃		工數		工賃		工數		工賃		工數		工賃	
一般工																								
速成工、準見習工、見習工																								
女工																								
計																								

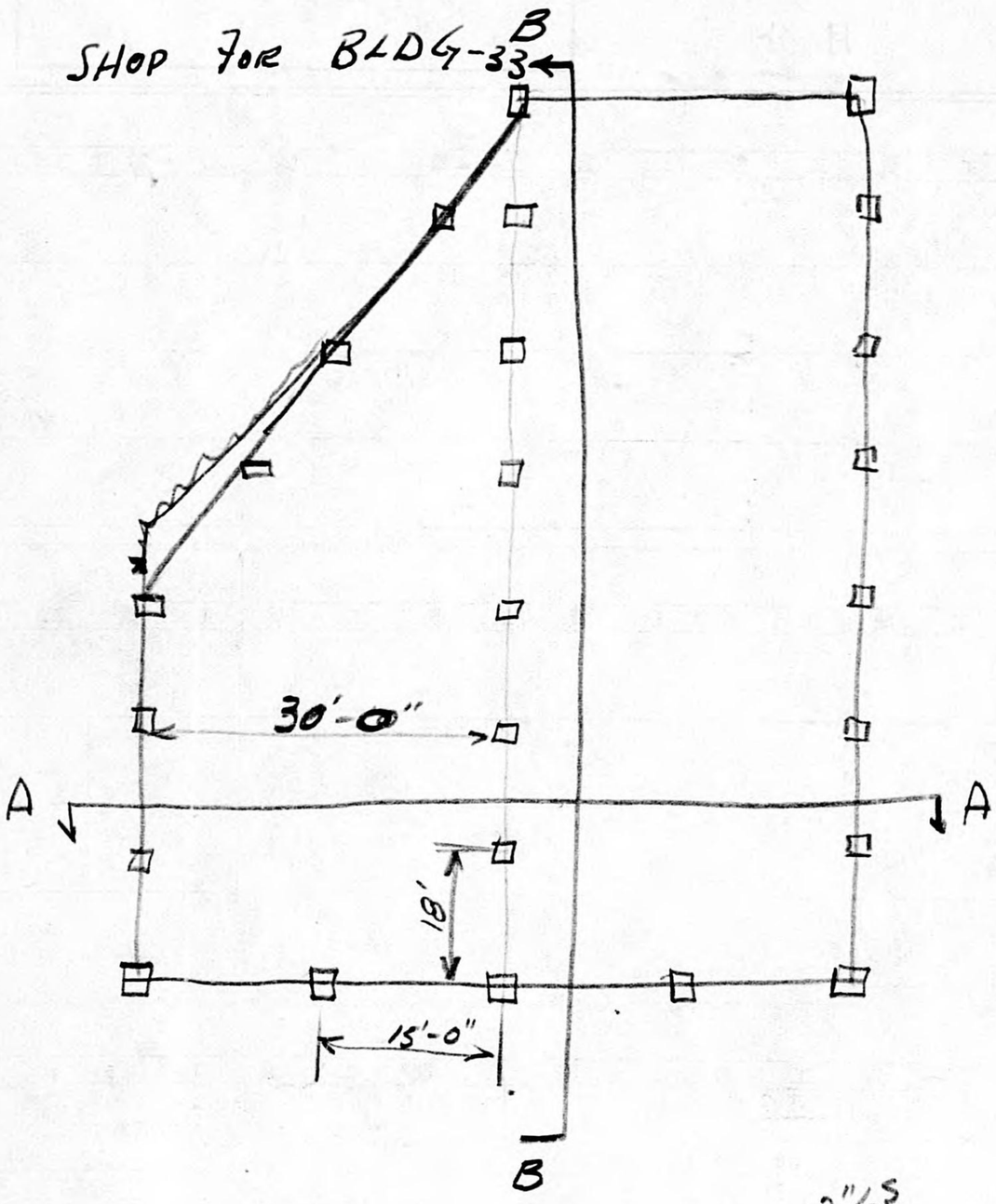
工事番號																								
	工數		工賃		工數		工賃		工數		工賃		工數		工賃		工數		工賃		工數		工賃	
一般工																								
速成工、準見習工、見習工																								
女工																								
計																								

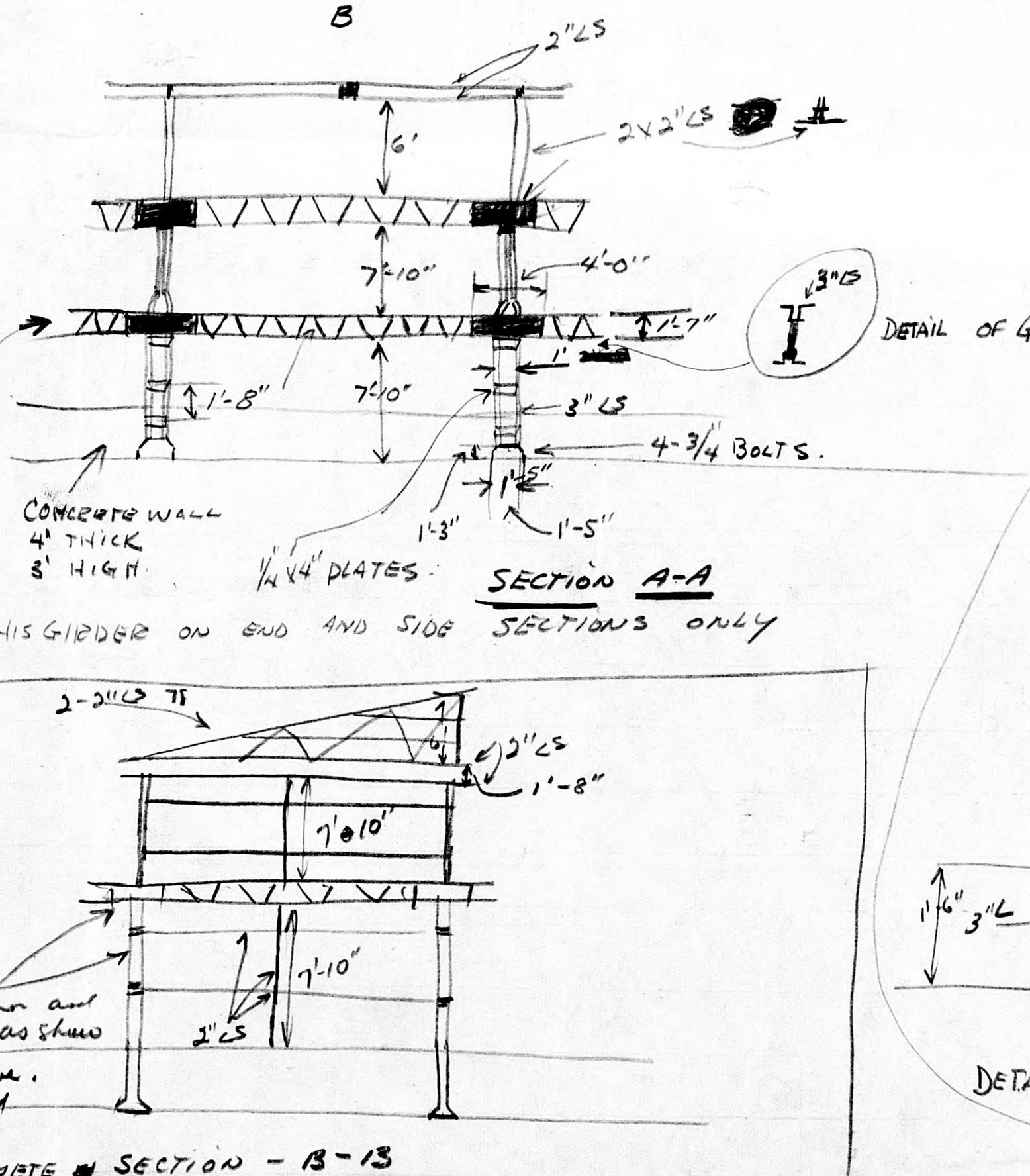
工事番號																					直接工計			
	工數		工賃		工數		工賃		工數		工賃		工數		工賃		工數		工賃		工數		工賃	
一般工																								
速成工、準見習工、見習工																								
女工																								
計																								

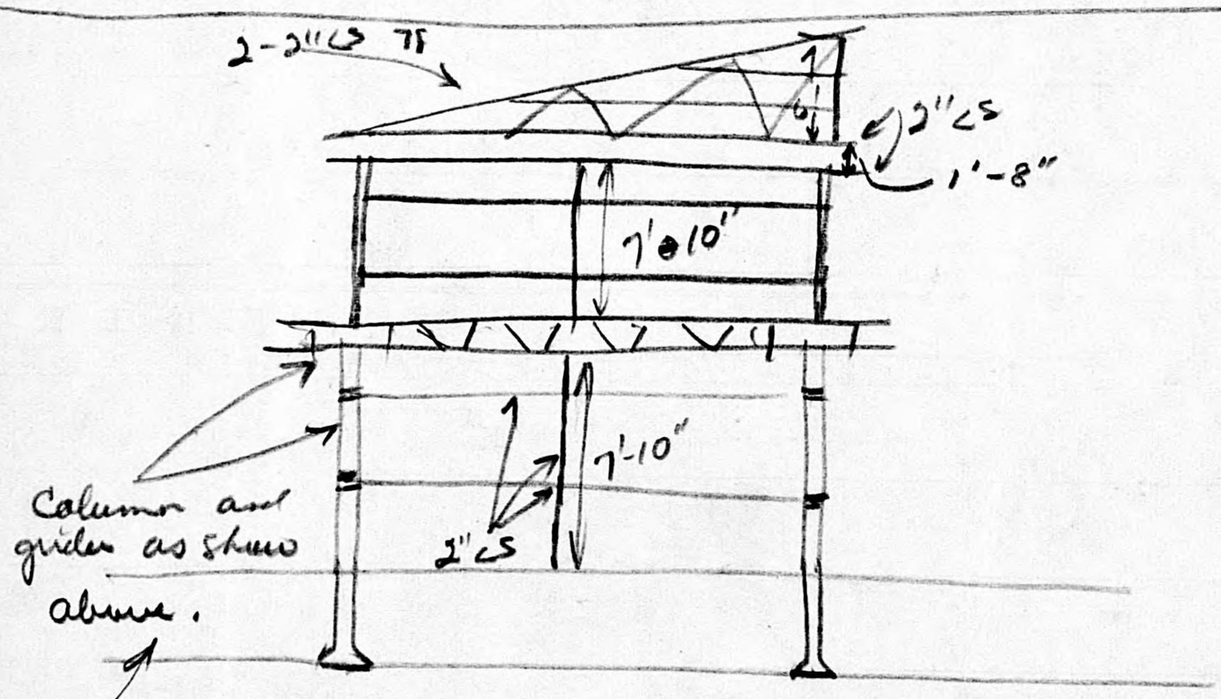
◎注意事項
1. 各工場ニ於テハ工數欄ノミ記入シ工賃欄ハ記入ヲ要セズ
2. 工具製造ニ要シタル工數ハ納品製造ニ要シタル工數ト區別計上スルコト

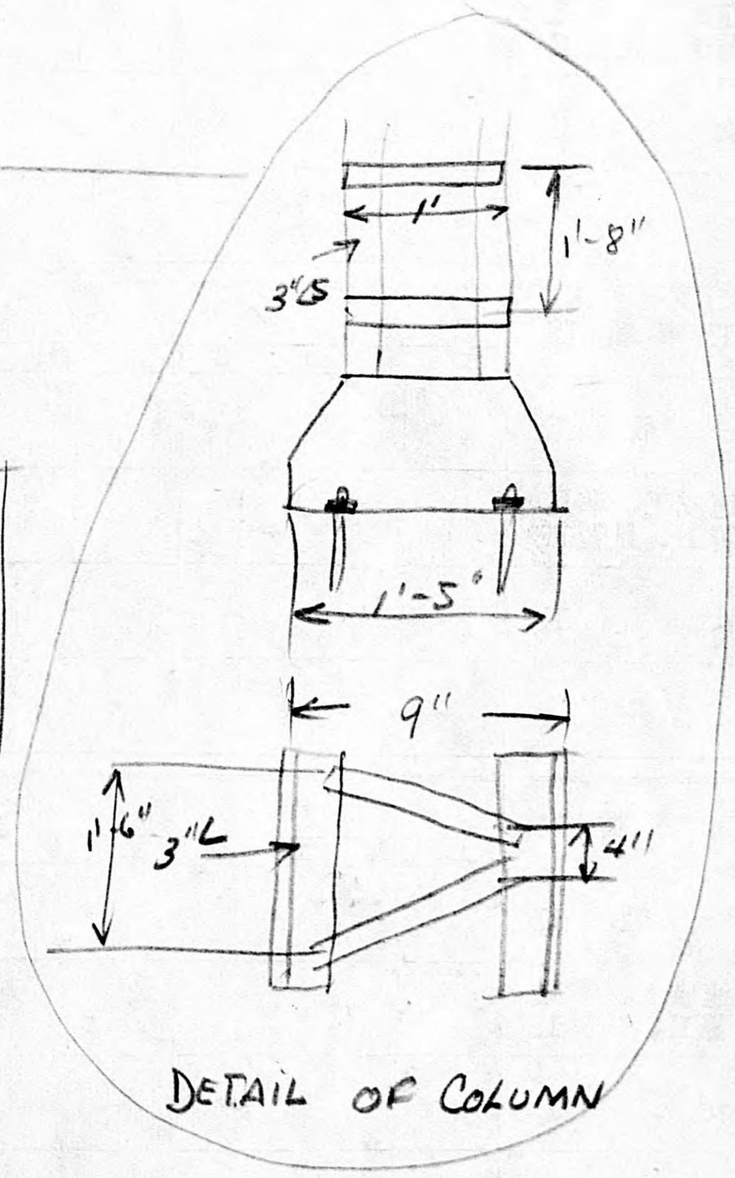
Fire Damage
Entire Bldg
Destroyed

SHOP FOR BLDG-33









4 The List of Buildings at Atsuta Plant

All of the papers and records on buildings being burnet by air raids, the following lists were mainly drawn up from memory.

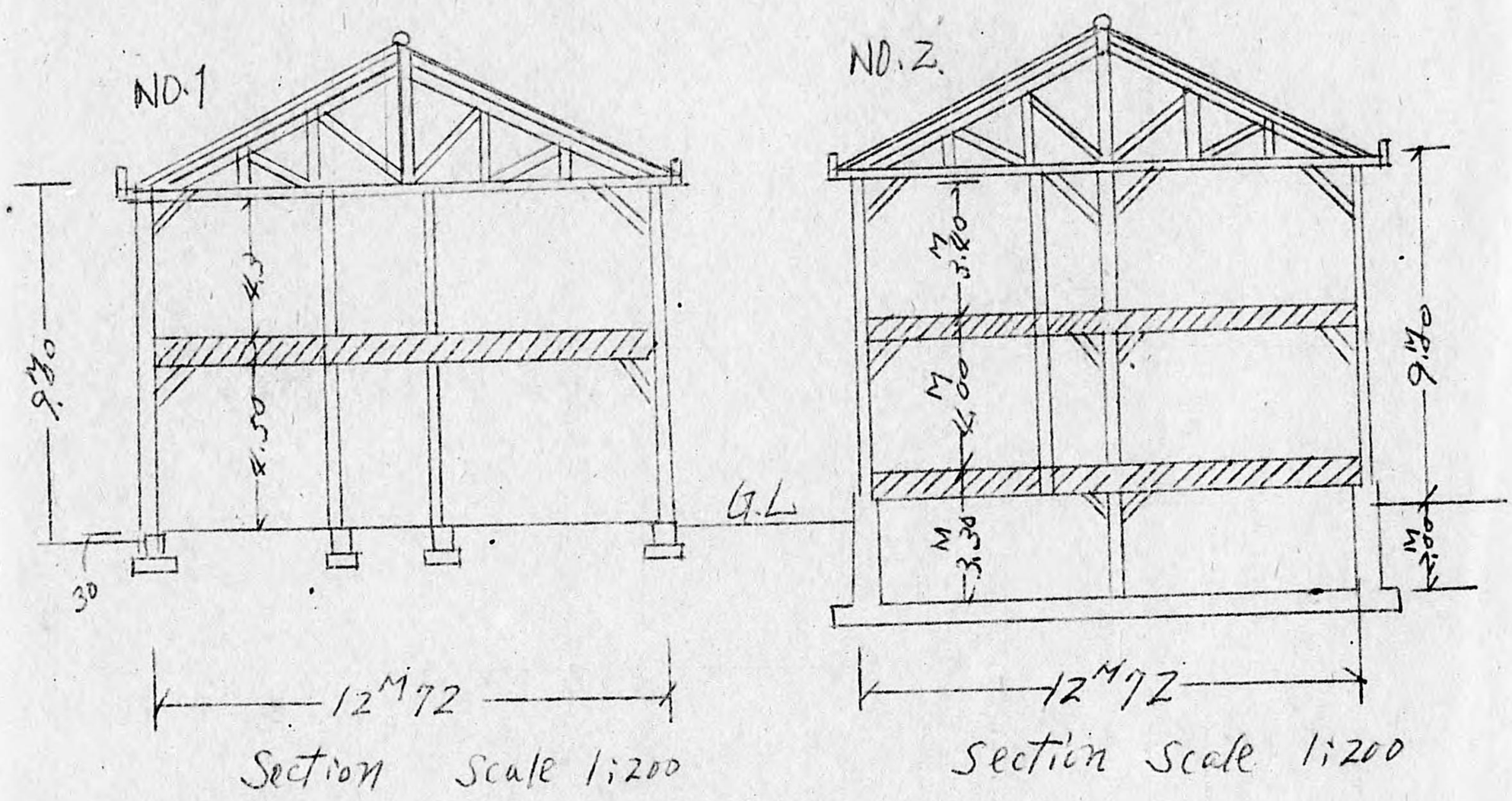
No. of Bldg.	Function of Buildings	Description	No. of story	Area of Buildings sq.M: Area of each floors	Total area of floor	Damages caused by air raid
1	Main Office	Wooden building on concrete foundation 12M72X40M00	2	1st 659.43 2nd 607.20	1,266.63	Burnet up by air raid on June 9th 1945
2	Main Office	" 12M72X34M54	2	1st 650.10 2nd 633.60 Basement 666.60	1,950.30	"
3	Guardmen's Room	" 5M15X14M54	1	74.77	74.77	"
4	Office	" 10M80X46M70	2	1st 504.90 2nd 504.90	1,009.80	"
5	Storage	" 12M72X50M22	1	638.71	638.71	Completely destroyed by air raid on June 9th 1945
6	Casting shop (light alloy only)	Steel framed structure on concrete foundation 49M34X74M77	1	1st 3709.20 Basement 41.91	3751.11	Destroyed beyond repair by bomb on June 9th 1945
7	Branch of finishing shop	Wooden building on concrete foundation 25M45X25M45	1	660.00	660.00	"
8	"	" 14M54X18M18	1	264.00	264.00	"
9	Storage	" 10M X 11M	1	115.50	115.50	"
10	Material Laboratory	" 14M54X45M45	1	653.40	653.40	Burnest up by air ra on Mar. 19th
11	"	" 26M X 11M50	1	394.35	394.35	"

No. of Bldg.	Function of Buildings	Description	No. of story	Area of Buildings sq.M Area of each floors	Total area of floor	Dameges caused by air raid
12	Storage	Wooden building 15M x 19M90	1	297.00	297.00	Burnet up by air raid on Mar. 19th 1945
13	Packing house	" 9M090x54M54	1	495.00	495.00	"
14	Storage	" 15M15 x 18M18	1	203.44	203.44	Burnet up by air raid on June 9th 1945
15	Branch of Finishing shop	Wooden building on concrete foundation 12M76x18M18	1	264.00	264.00	"
16	Gas governer house	" 3M78X 10M80	1	38.47	38.47	"
17	Machine shop	steel framed structure on concrete foundation 72M88x ~~169M17~~ 179M85	1	1st 11,899.76 Megganine 795.90	12,695.66	The southern part of structure was destroyed by earthquake on Dec. 7th 1944, and almost all of the remaning part was destroyed beyond repair by air raid on June 9th 1945
18	Branch of Finishing shop	" 18M18x15M75	1	261.42	261.42	Destroyed by earthquake on Dec. 7th 1944
19	"	Wooden building on concrete foundation 7M57x 19M09	1	216.97	216.97	Destroyed by bomb, beyond repair on June 9th 1945
20	"	" 9M09x22M72	1	233.47	233.47	"
21	Storage	The southern part was constructed with steel frame and the remain is wooden building 32M96x36M50	2	1st 1,198.82 2nd 1,198.82	2,397.64	Destroyed by bomb, but repairable on June 9th 1945
22	Heat treatment shop	Steel framed structure on concrete foundation 59M99x9M26	1	1st 4024.71 Basement 39.61	4064.31	"

No. of Budg	Function of Building	Description	No. of Story	Area of Buildings sq.M: Area of each floors	Total area of floor	Damages caused by air raid
23	Finishing shop	Steel framed structure on concrete foundation 36M62x69M16	1	2441.20	2441.20	destroyed beyond repair by earthquake on Dec. 7th 1944
24	Air compresser chamber	Wooden building on concrete foundation 5M45x13M63	1	74.25	74.25	Completely destroyed by earthquake on Dec. 7th 1944
25	Branch of Finishing shop	" 7M27x18M18	1	138.60	138.60	"
26	Drawing Room	" 9M09x29M09	2	1st 652.60 2nd 597.34	1249.94	destroyed by earthquake on Dec. 7th 1944 and air raid on June 7th 1945. but repairable
27	Electric power plant	Steel framed structure covered with reinforced concrete 9M41x11M60	1	108.83	108.83	slightly dameged by bomb on June 9th 1945
28	Tool shop	Steel framed structure on concrete foundation 72M90x38M30	1	2786.75	2786.75	Destroyed by bomb, but repairable on June 9th 1945
29	Assembling shop	" 72M90x38M30	1	2786.75	2786.75	slightly damaged by bomb on June 9th 1945
30	Steam heating plant	" 11M20x17M15	1	180.52	180.52	Destroyed beyond repair by earthquake on Dec. 7th 1944
31	Laboratory	Wooden building on concrete foundation 9M09x50M90	1	524.70	524.70	Burnet up by air raid on Mar. 19th 1945
32	Running test room	" 7M27x10M90	1	84.01	84.01	slightly dameged by earthquake on Dec. 7th 1944
33	Shop for experimental engine (machine, finishing and assembling)	Steel framed struction on concrete foundation 63M63x60M21 18M18x38M40	1	1st 4465.16 Mezzanine 545.45	5010.61	the eastern part the structure n burnet up by a raid on Mar. 19th 1945

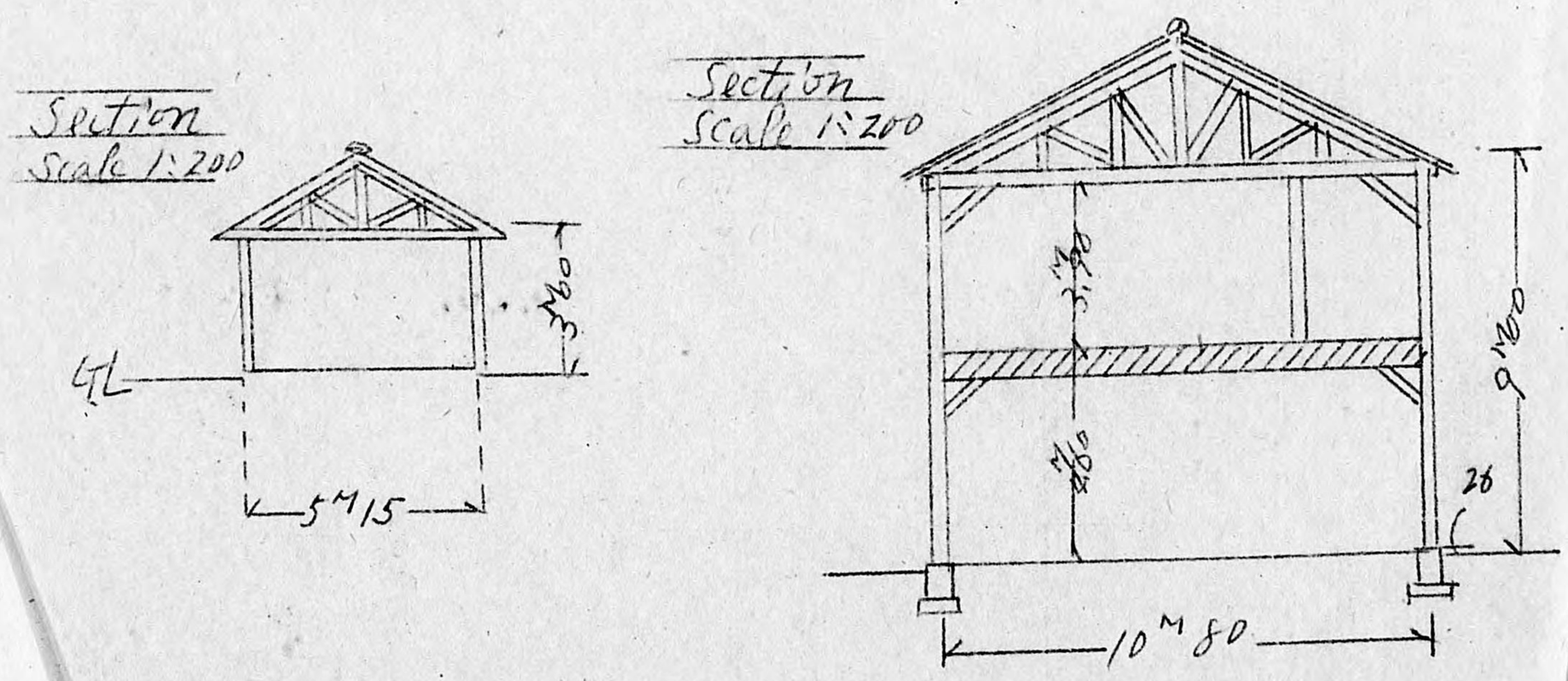
No. of Budg.	Function of Building	Description	No. of story	Area of Buildings sq.M: Area of each floor		Area of total floor		Dameges caused by air raid
34	Running test room	Reinforced concrete construction 23M77x26M70	2	1st	640 25	1090	61	
				2nd	200 30			
				mezzanine ~~melt~~	250 06			
35	Laboratory	Steel framed structure on concrete foundation 13M87x27M13	1		377 38	377	38	
36	No. 1 Wooden Pattern shop	Wooden building on concrete foundation 10M90x34M54	1		356 40	356	40	Burnet up by air raid on Mar. 19th 1945
37	No. 2 Wooden Pattern shop	" 10M90x34M54	1		356 40	356	40	"
38	Storage	Wooden building 20M x 26M76	1		535 20	535	20	Slightly damaged by bomb on June 9th 1945
39	Storage	Wooden building on concrete foundation 14M*54x31M81	2	1st	462 00	858	00	"
				2nd	396 00			
40	The other buildings (W.C. toilet + small storage) etc.	Wooden building	1.			1129	60	Almost all of the buildings were destroyed or burnet up by air raid
	Total					5203	70	

No. 1 and No. 2
Main office

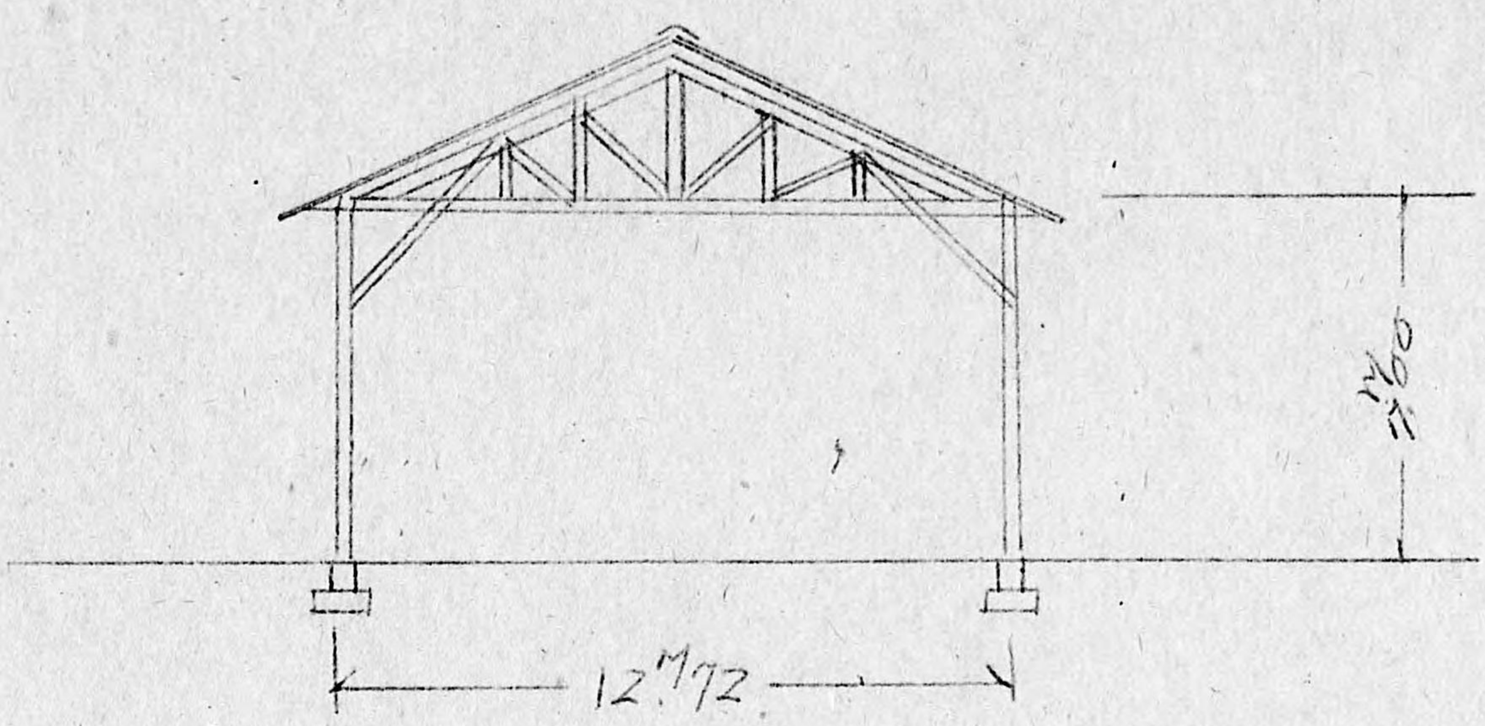


Section Scale 1:200 Section Scale 1:200

No. 3 Guardmen's Room. No. 4 Office



NO 5 Storage



Section
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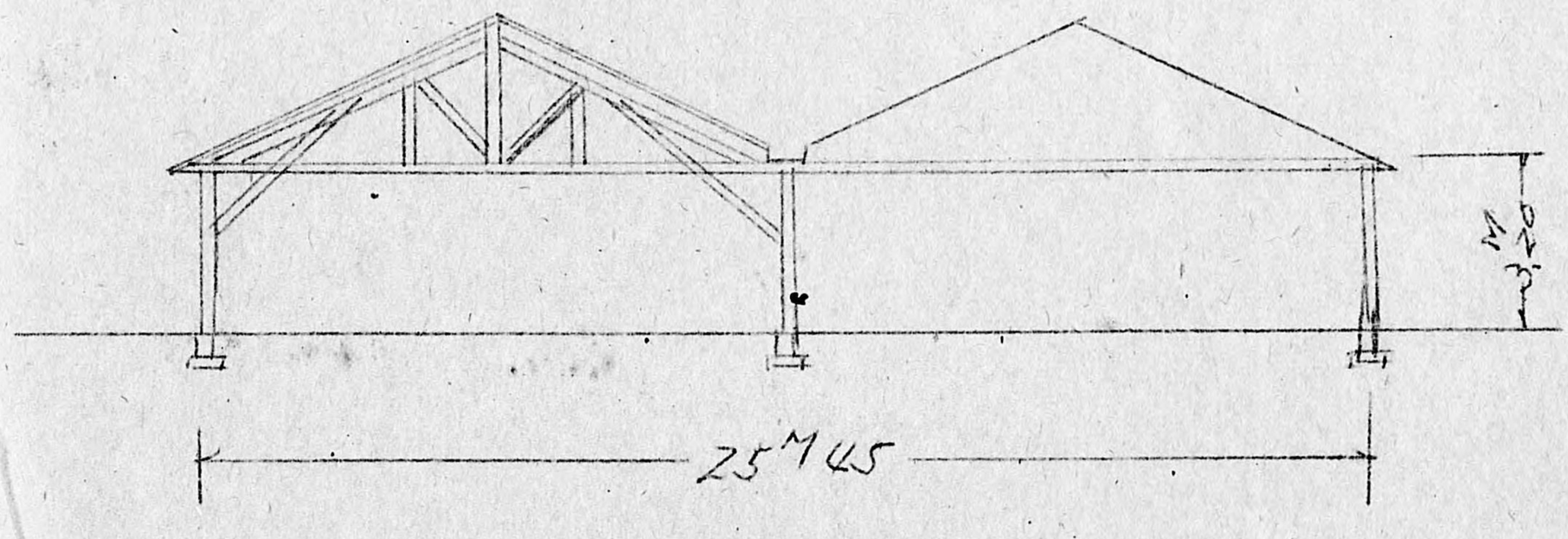
NO 7 Branch of finishing shop



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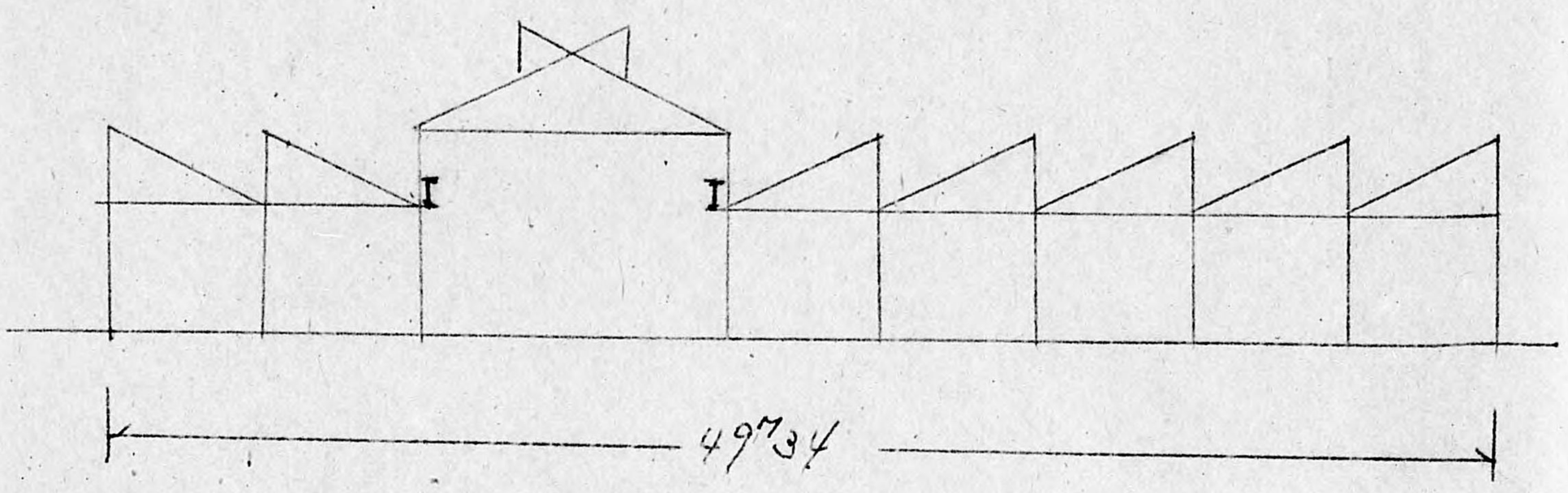
No. 6 Casting Shop



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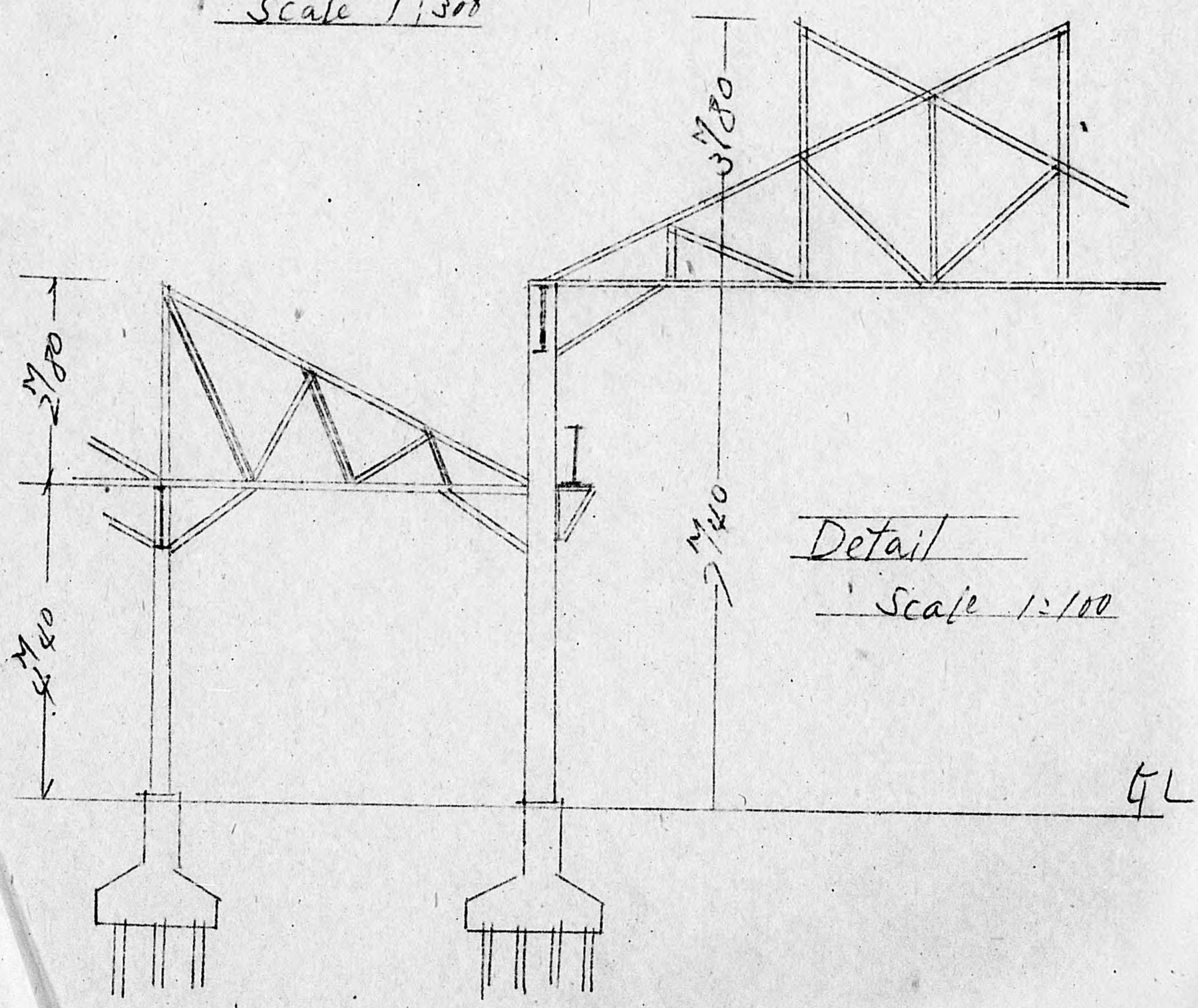
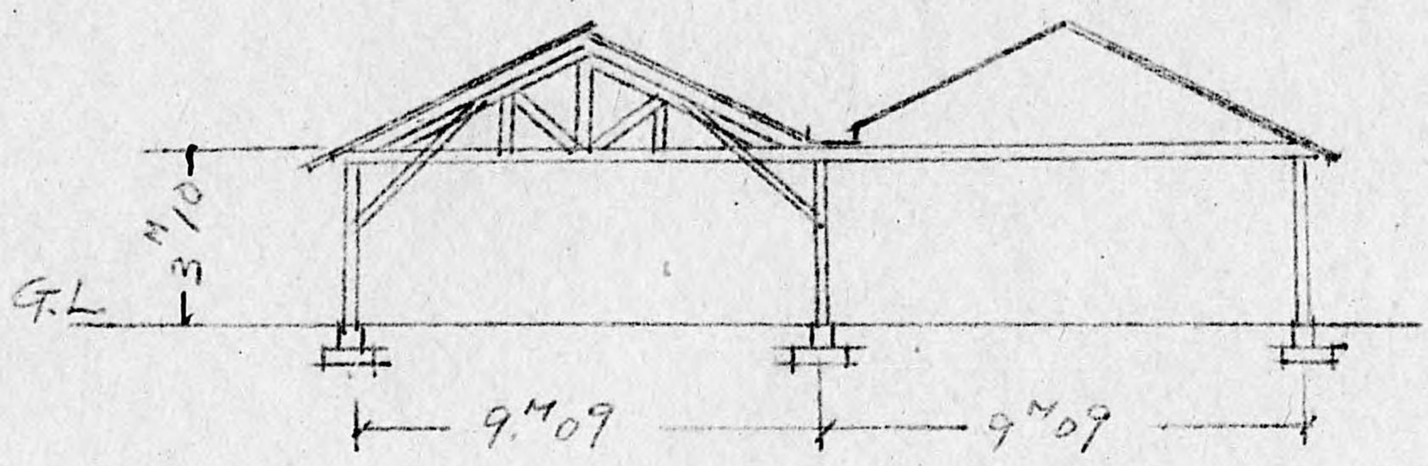


Detail
Scale 1:100

No. 8 Branch of finishing shop



Section
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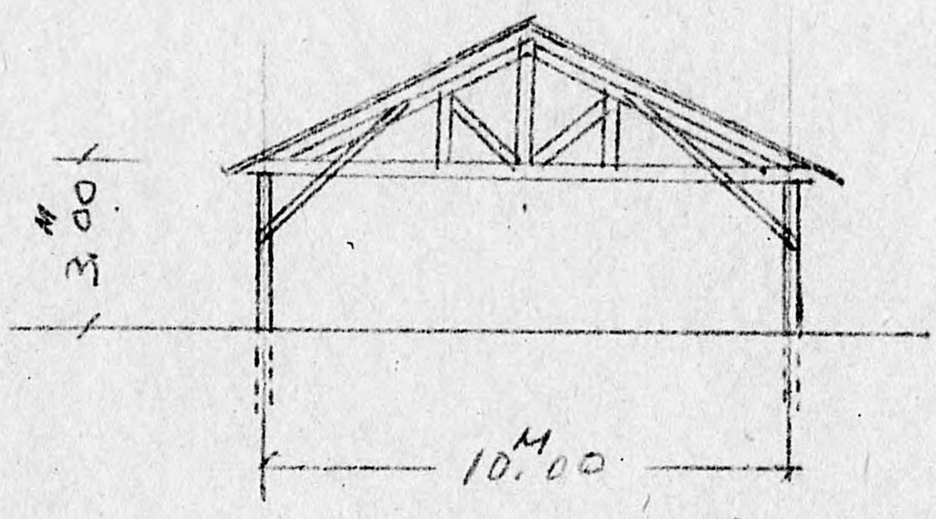
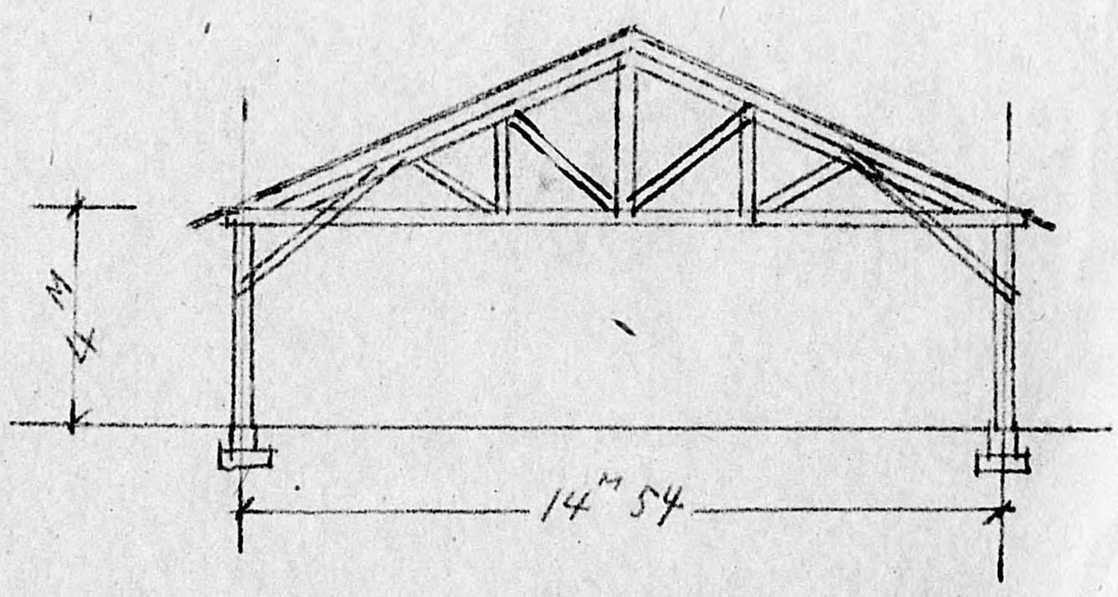
No. 9. Storage



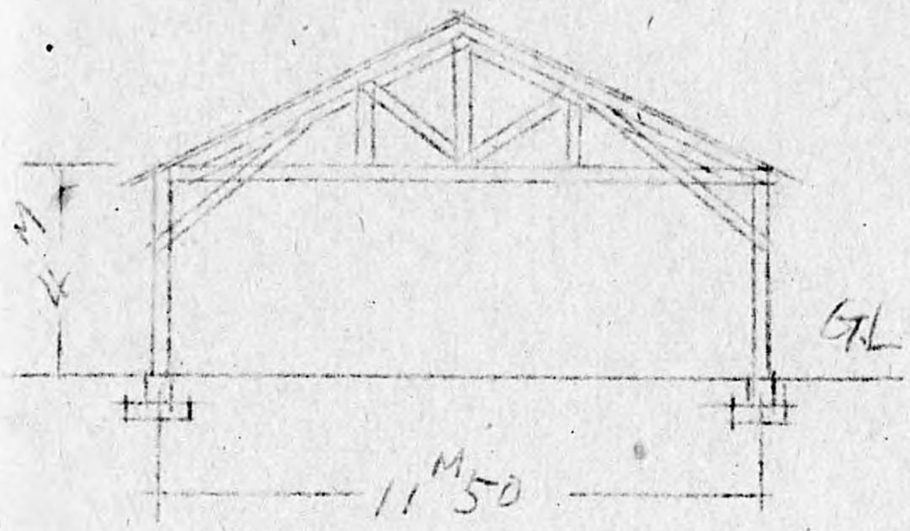
Section
1:200

No. 10. Material Laboratory



Section
1:200

NO. 11 Material laboratory



Section
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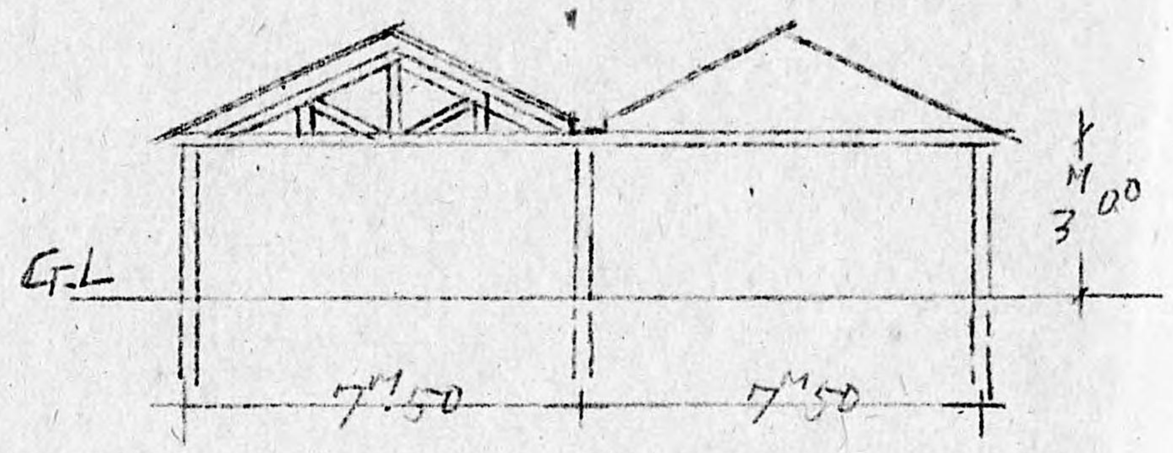
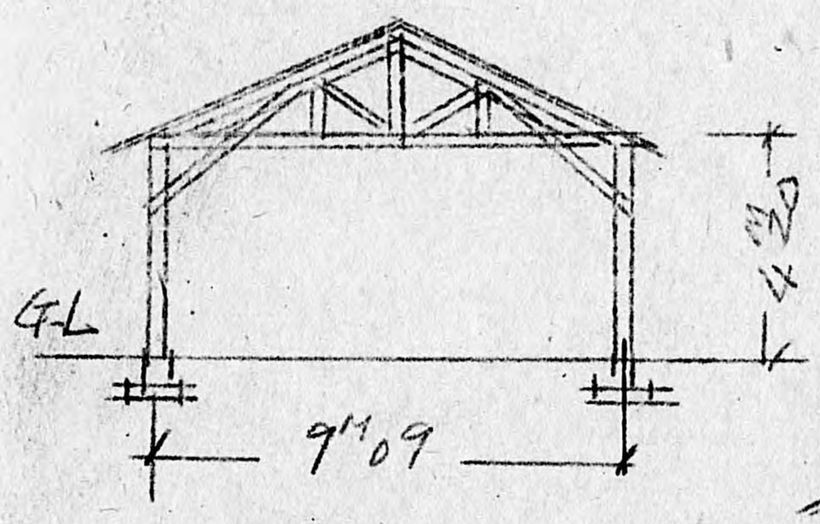
NO. 12 Storage



Section
Scale 1:200

NO. 13. Packing House



Section
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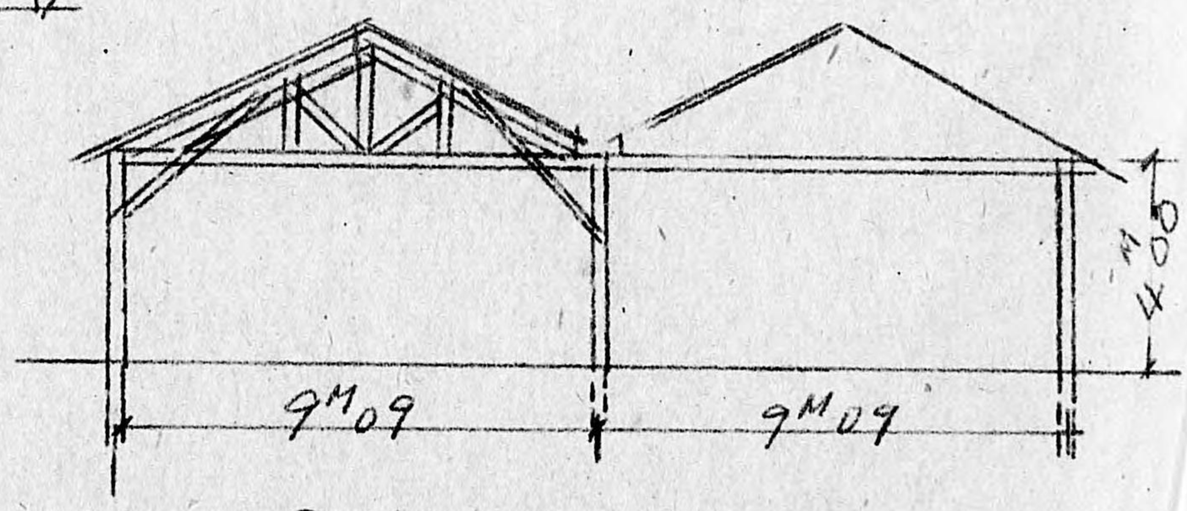
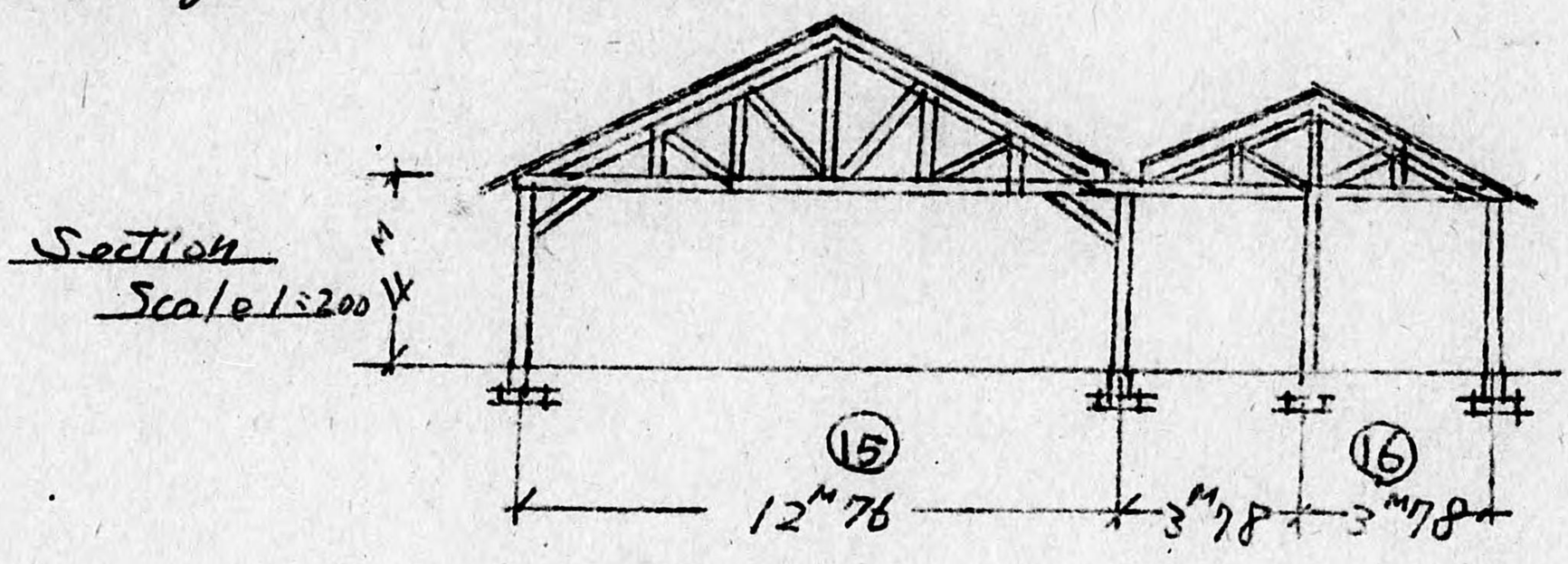
NO. 14 Storage



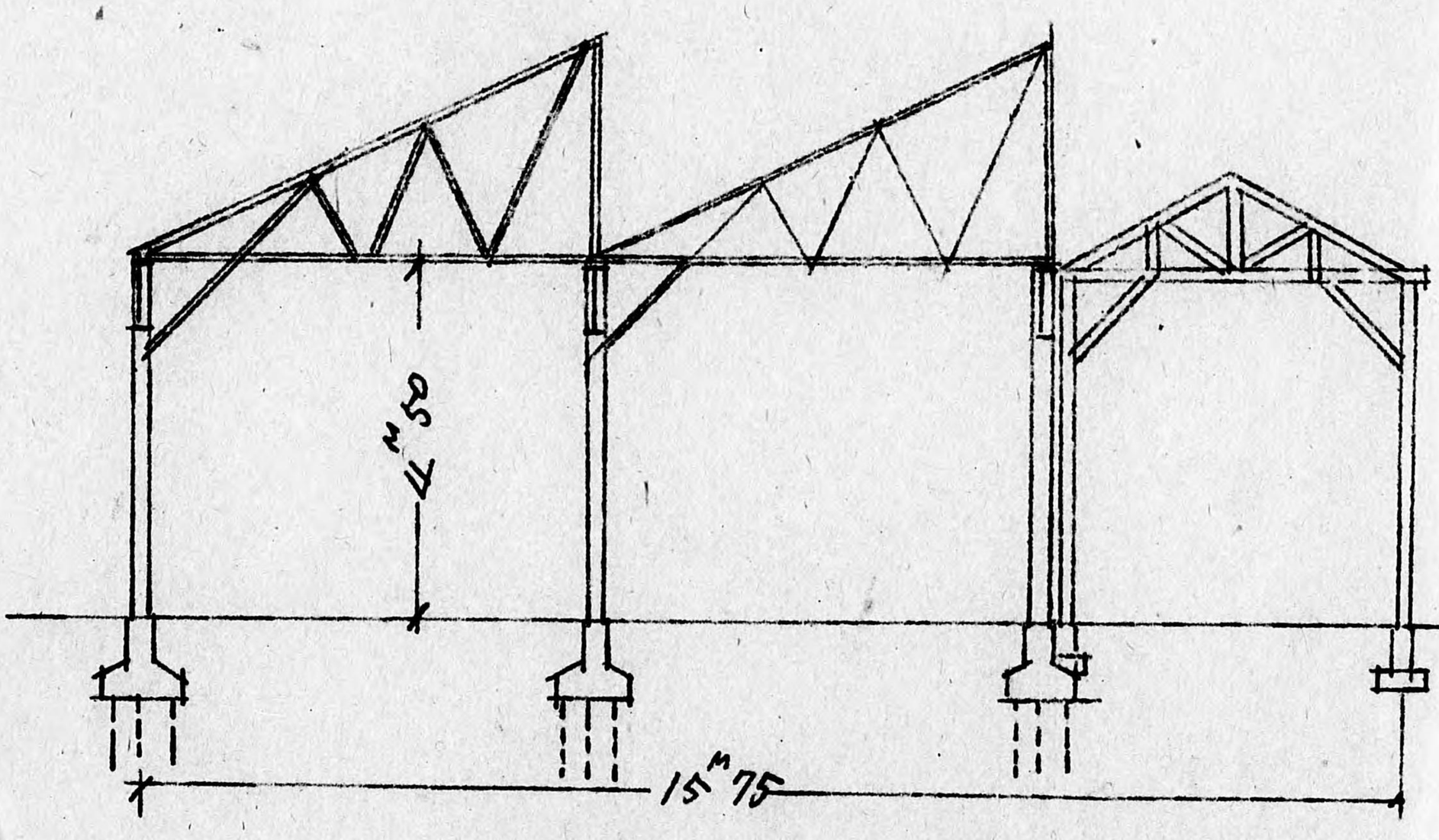
Section scale 1:200

15. Branch of Finishing shop
16. Gas governer House



Section
Scale 1:200

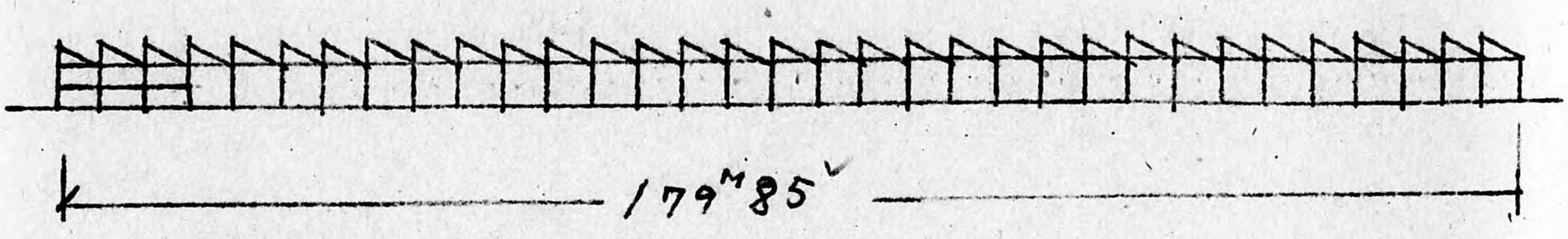
18 Branch of finishing shop

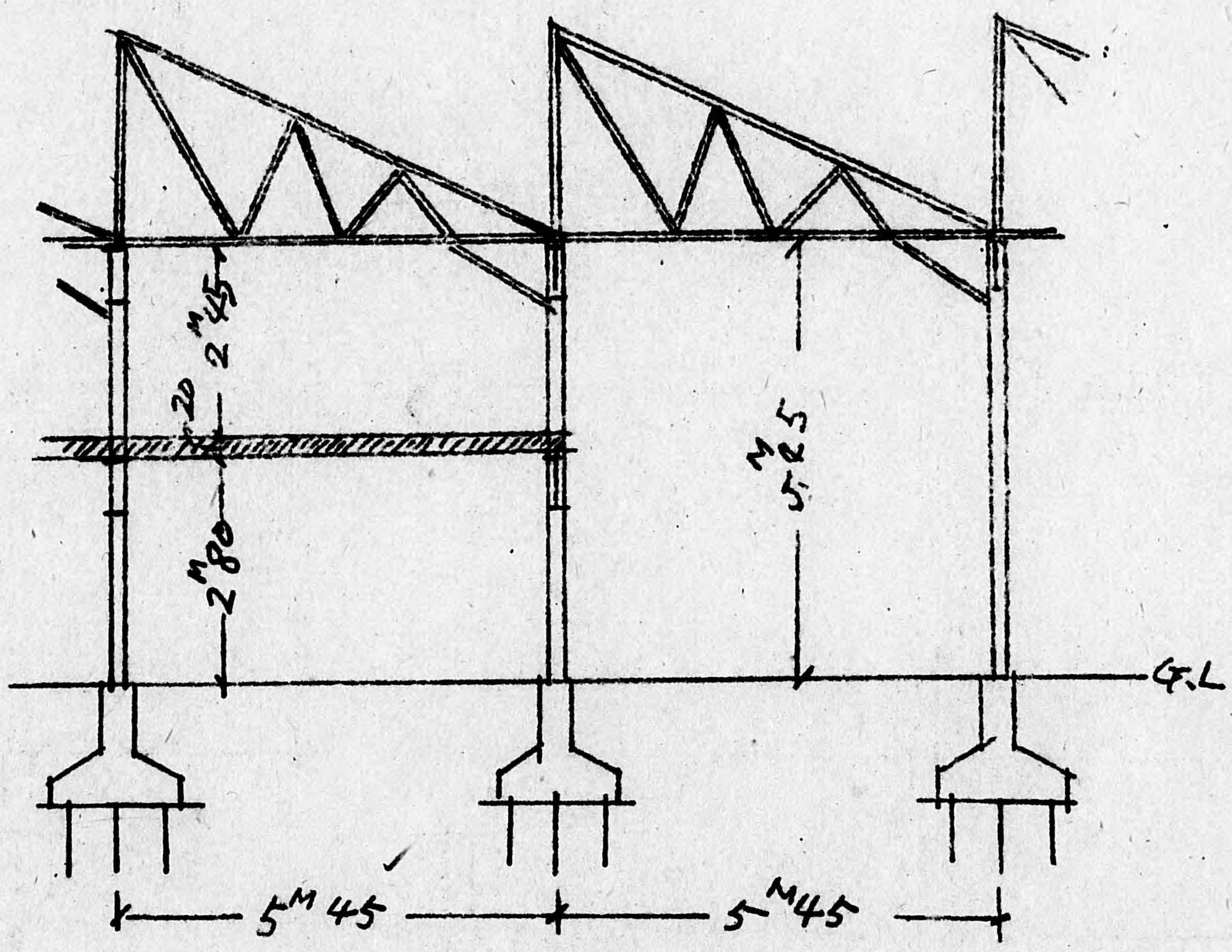


Section Scale 1:200

17 Machine shop

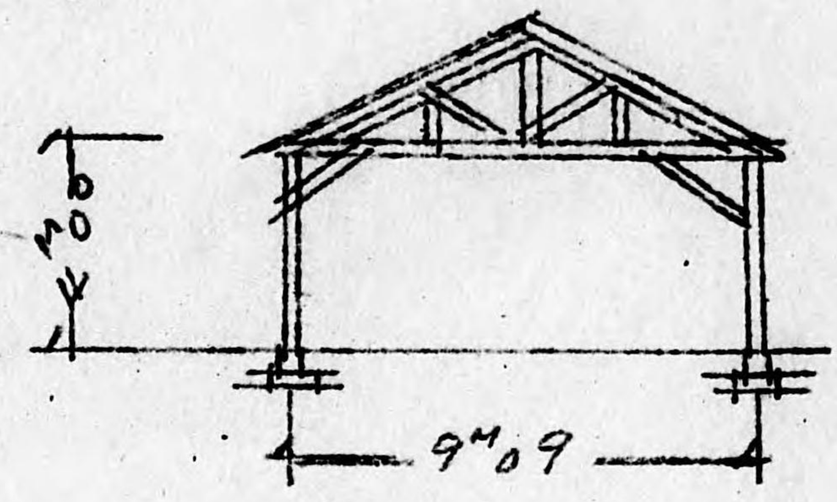
Section
scale 1:1000





Detail
Scale 1:100

19. 20. Branch of Finishing shop



Section
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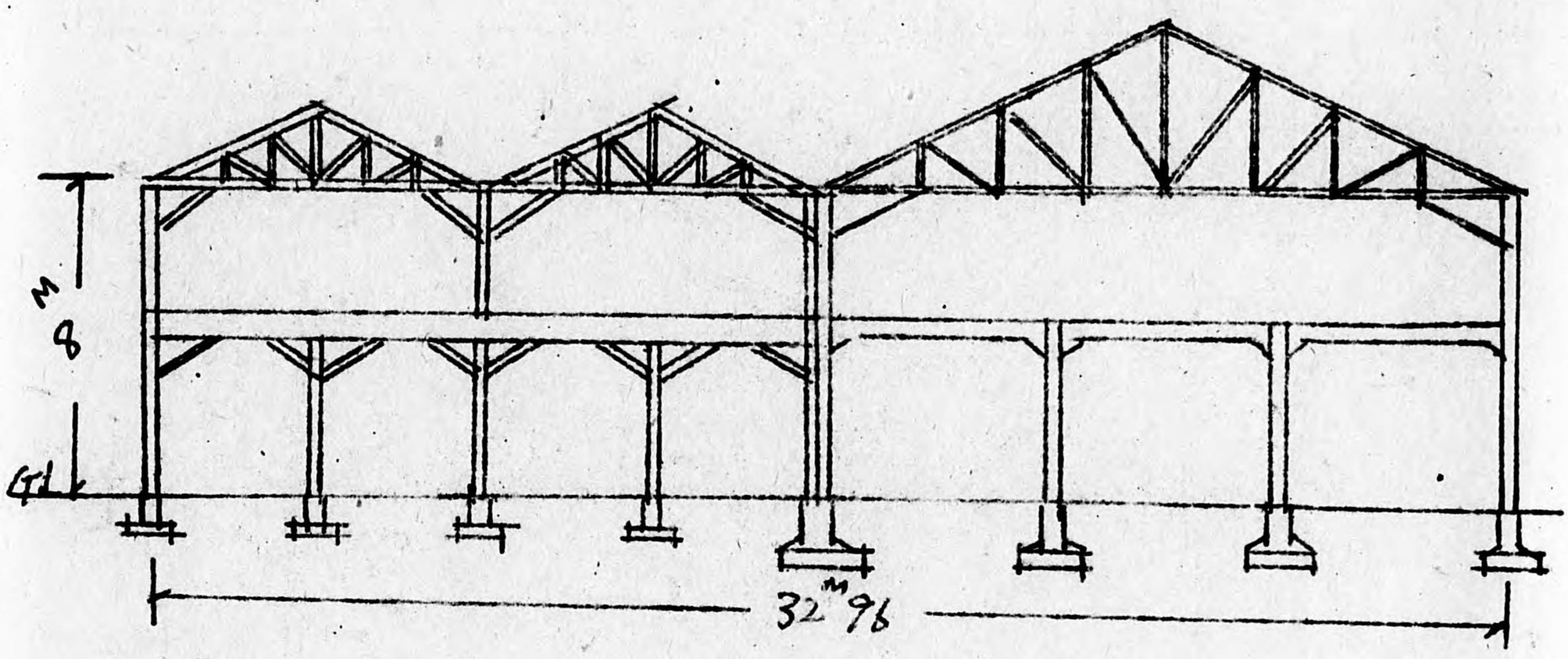
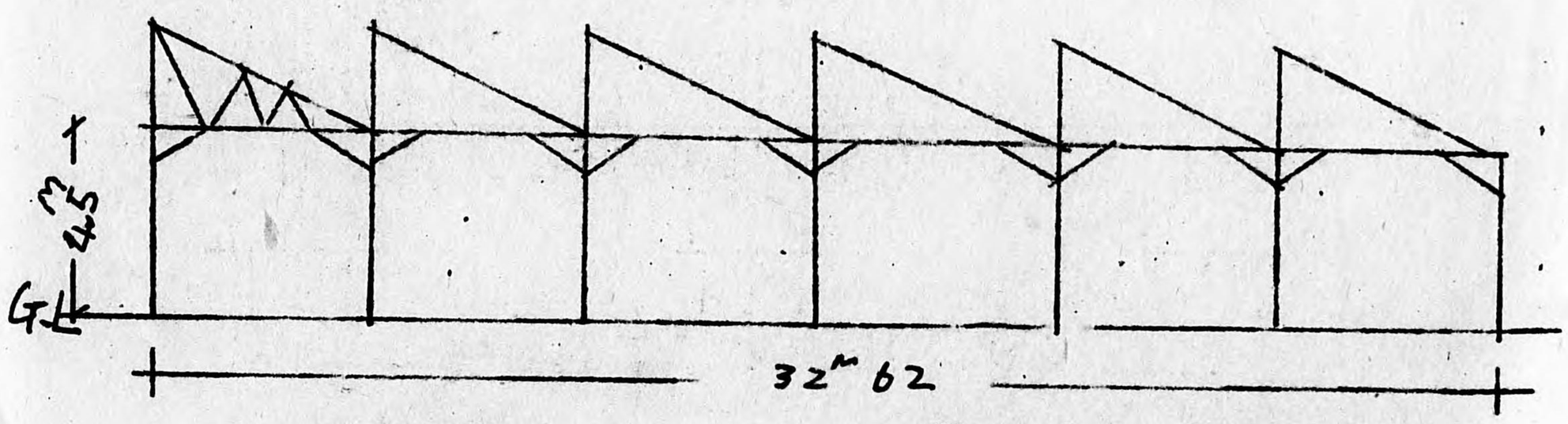


23. Finishing Shop

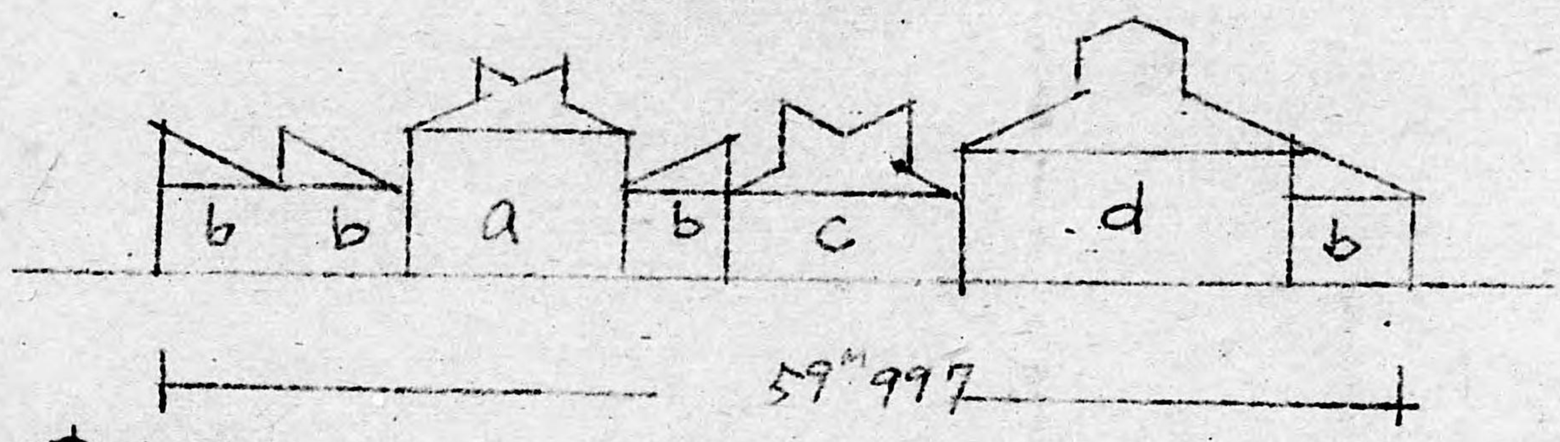


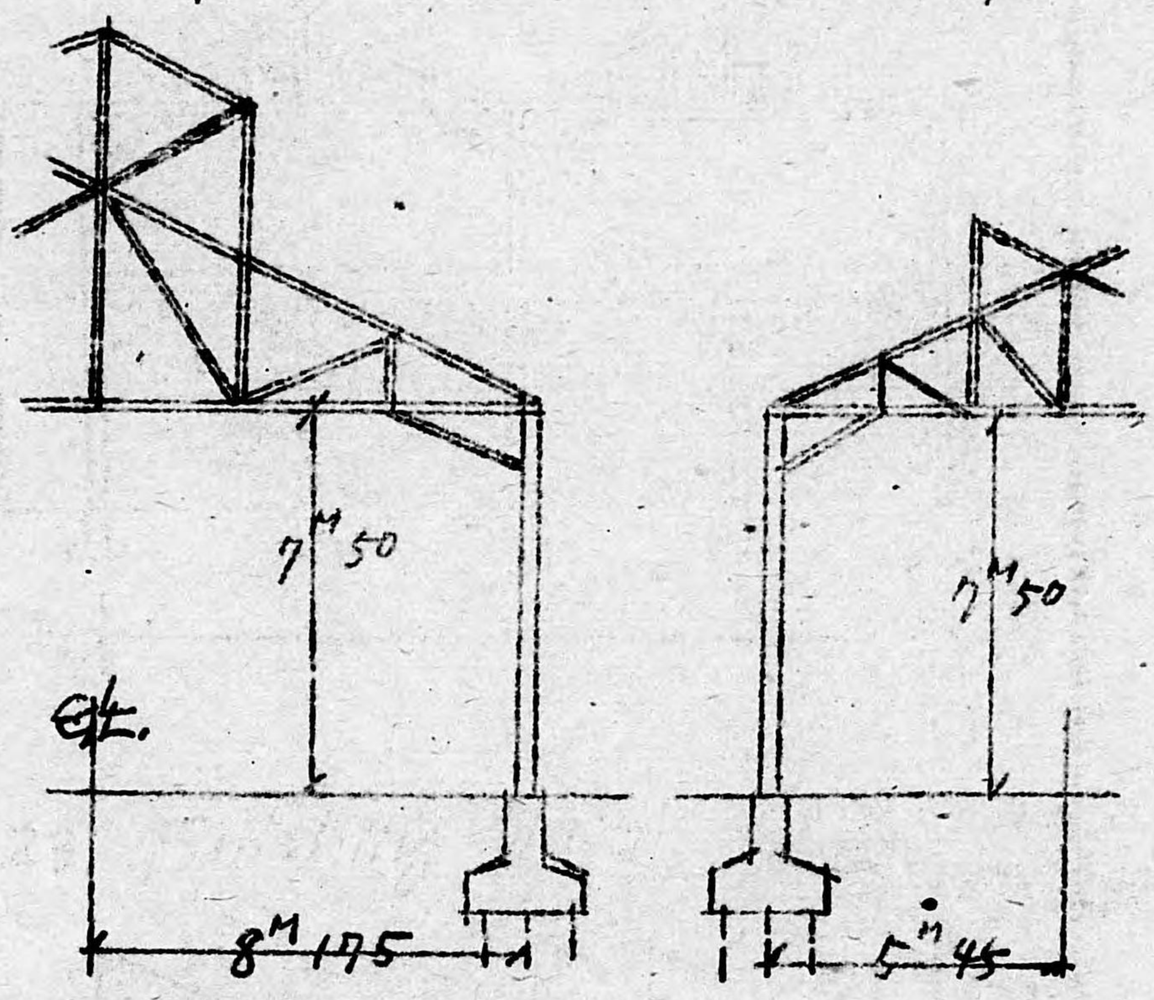
Section
Scale 1:200

Remarks—
The detail of this structure is shown on the figure No. 28

22 Heat treatment Shops

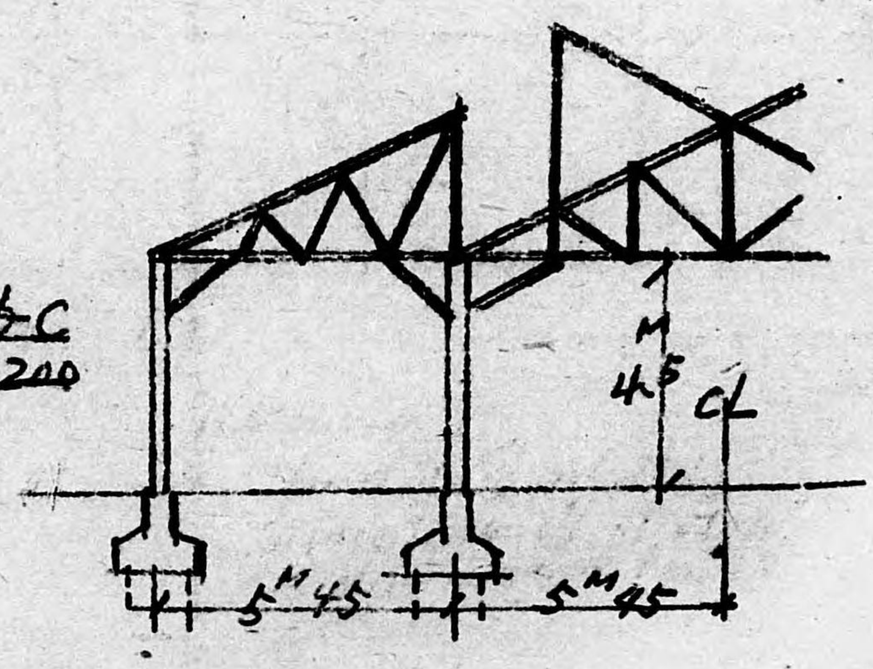
Section
Scale 1:200





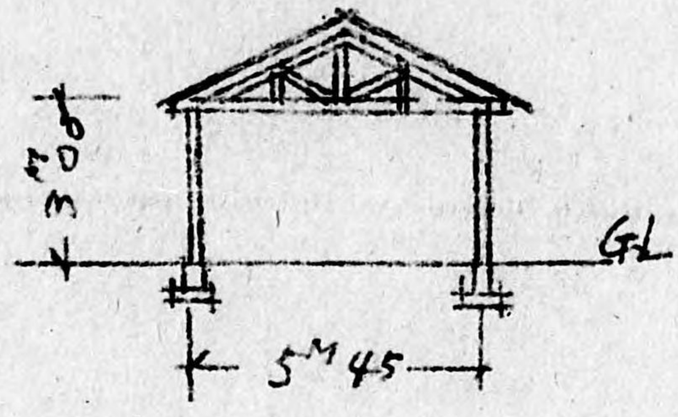
Detail of a
Scale 1:200

Detail of d
Scale 1:200

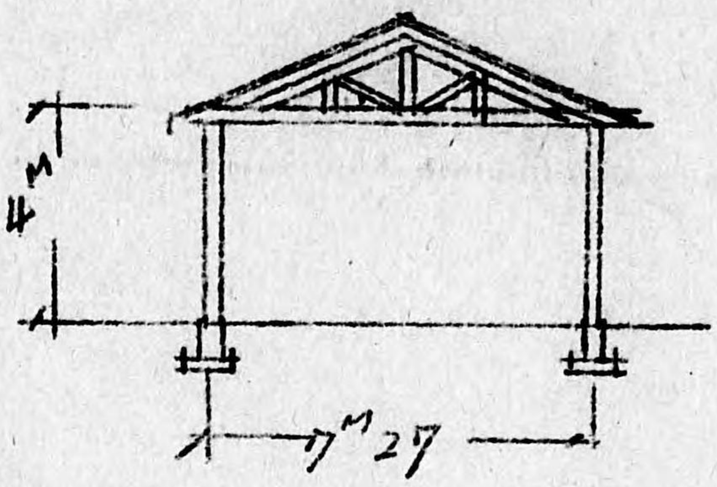


Detail of b & c
Scale 1:200

24 Air compressor chamber

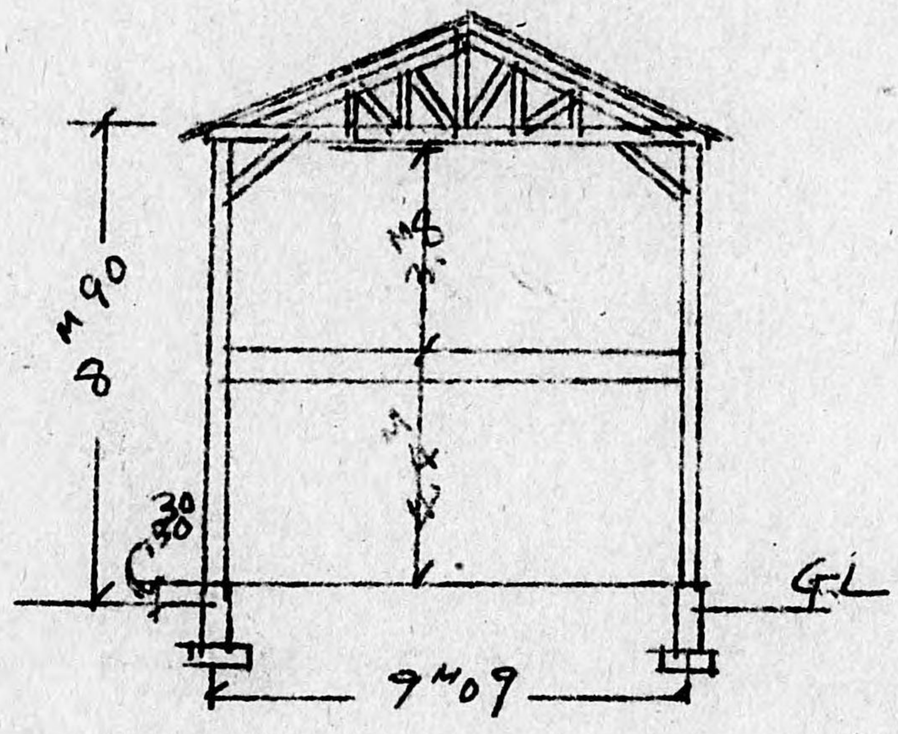


25, Branch of finishing shop

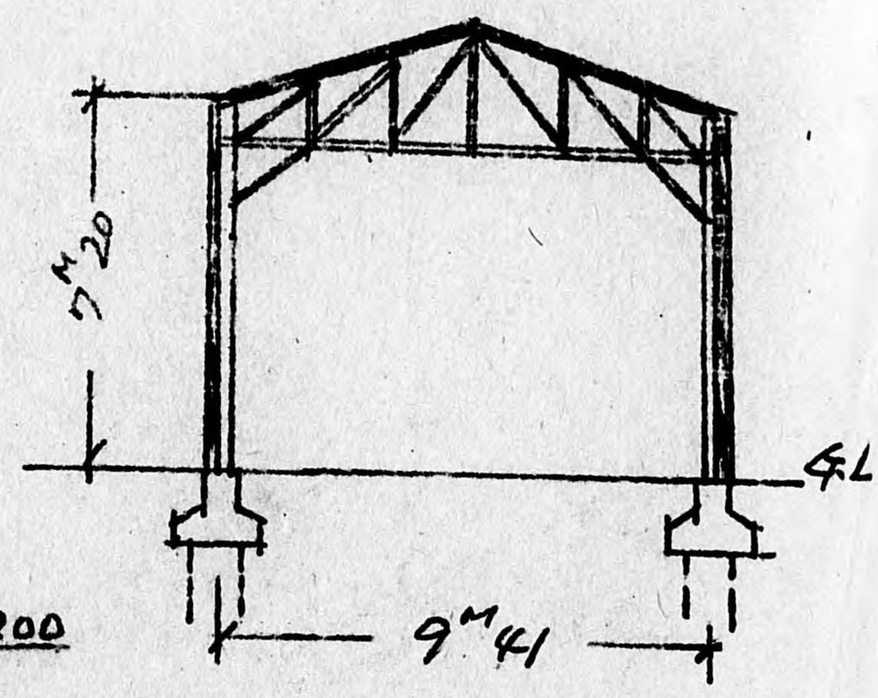


Section
Scale 1:200

26. Drawing Room

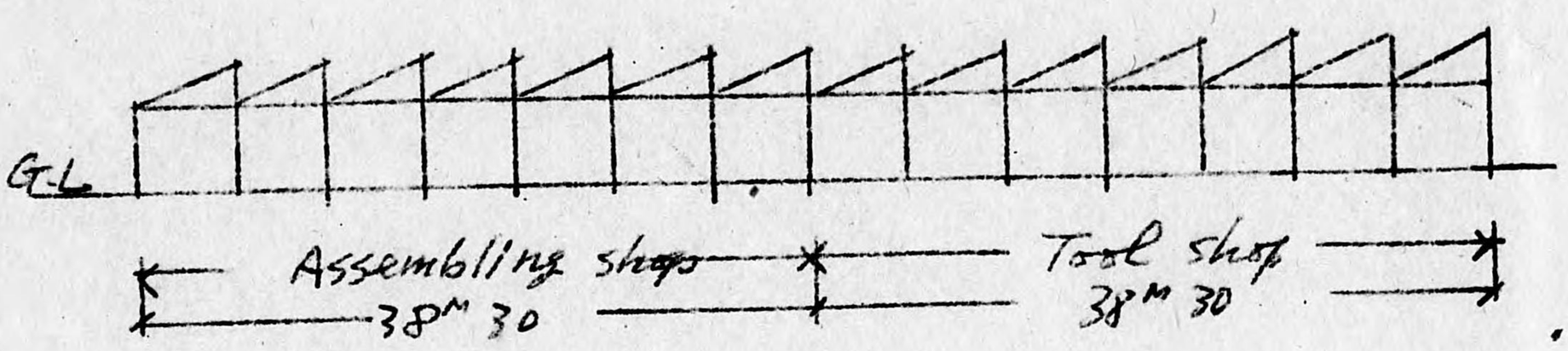


27. Electric power plant

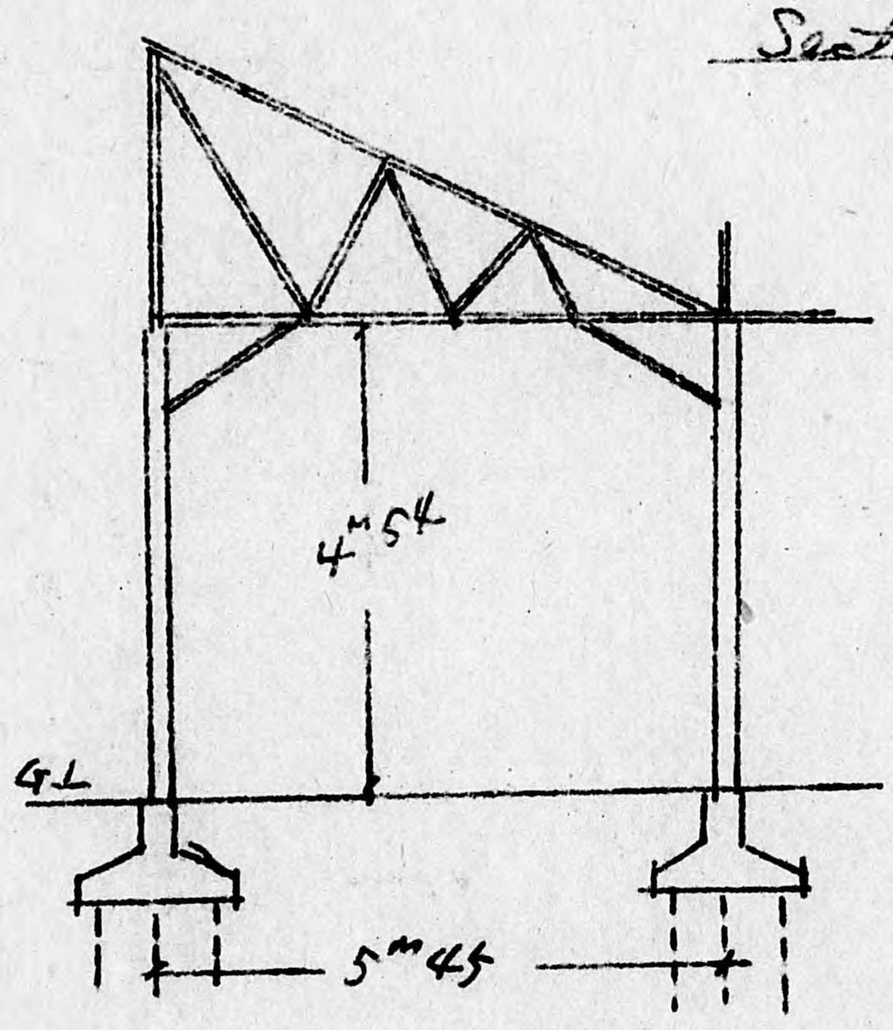


Section
Scale 1:200

28. Tool shop
29 Assembling shop

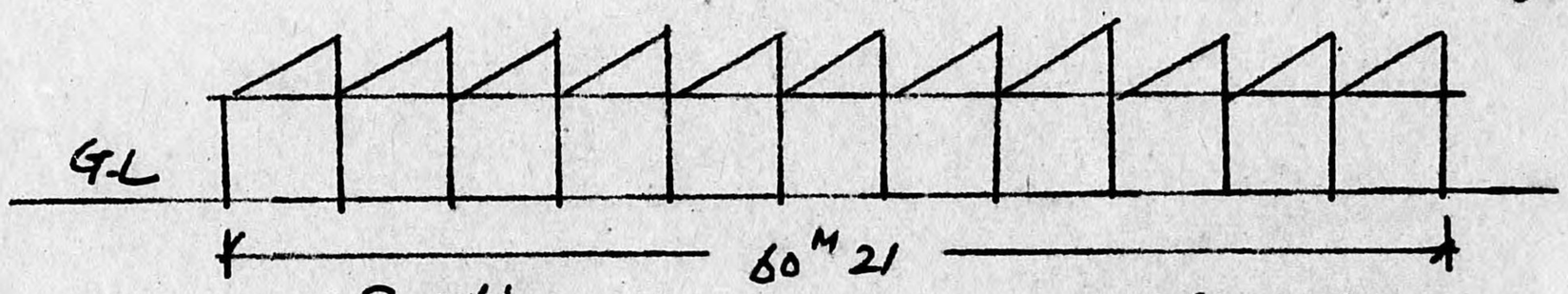


Section
Scale 1:500



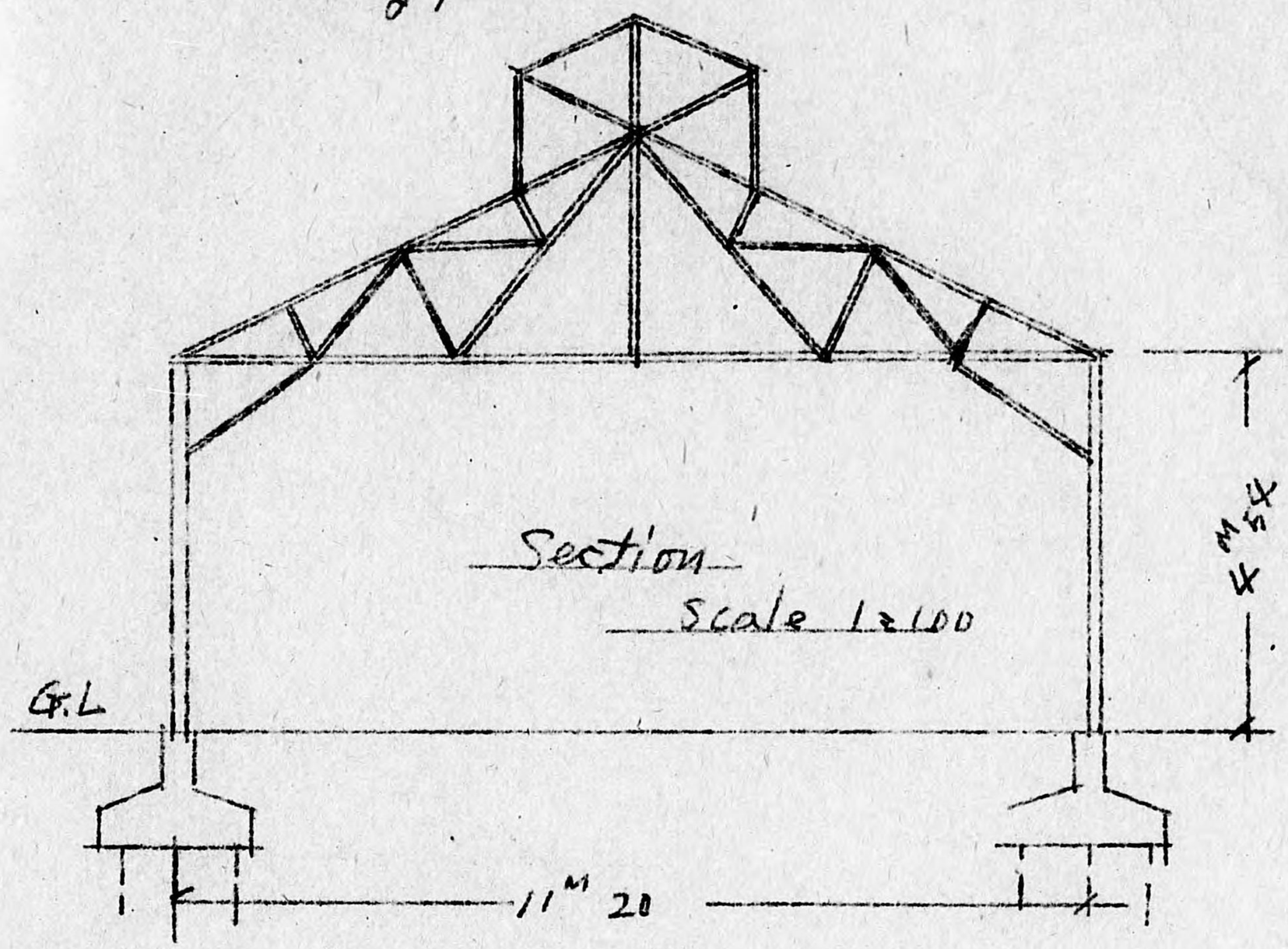
Detail
Scale 1:100

33 Shop for experimental engine (machine, finishing and assembling)



Section
Scale 1:500

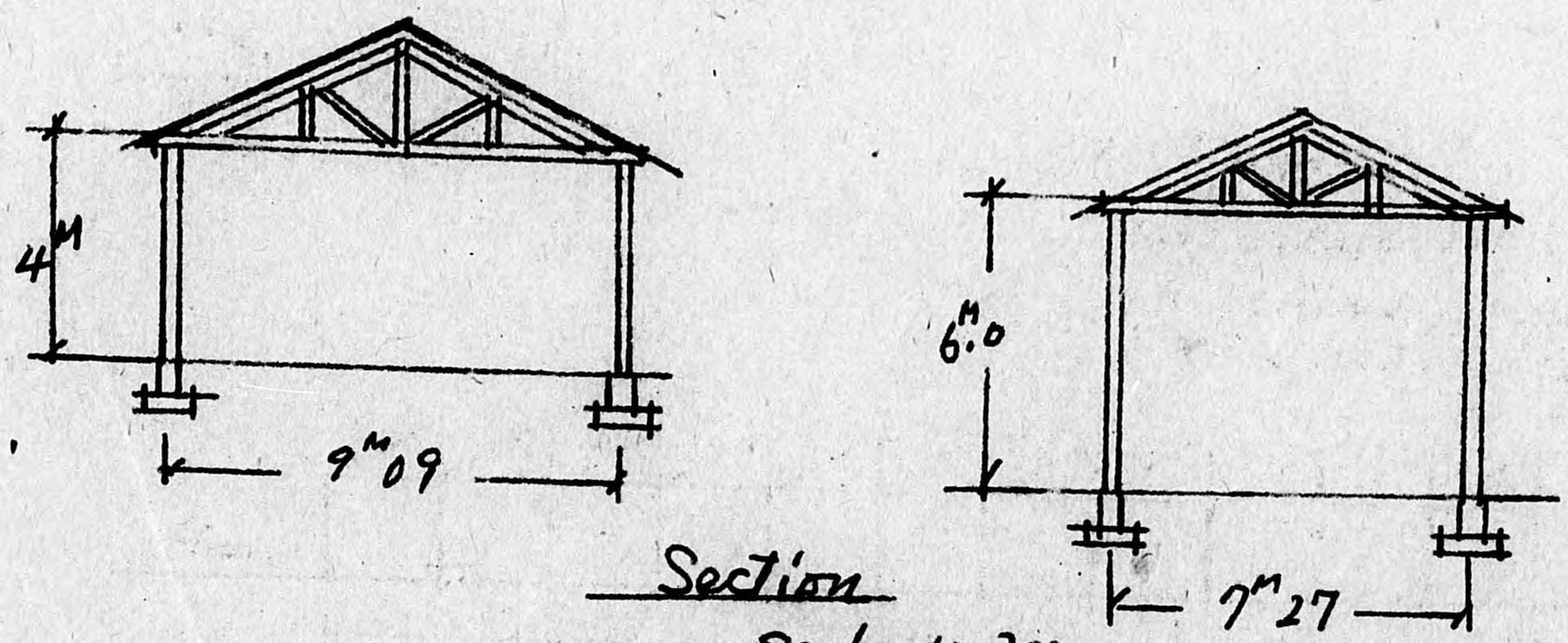
30 Steam heating plant



Section
Scale 1:100

31. Laboratory

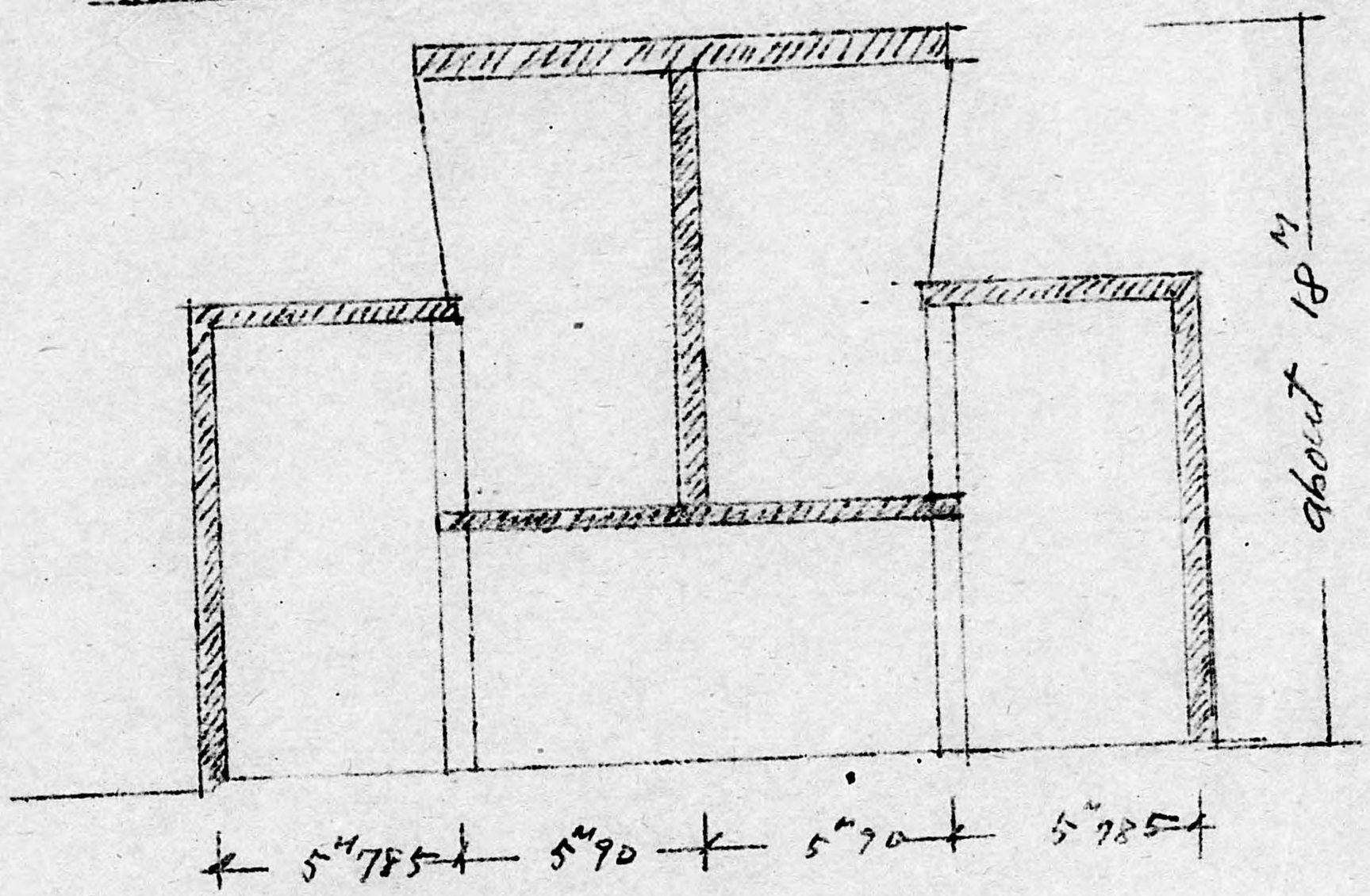
32. Laboratory



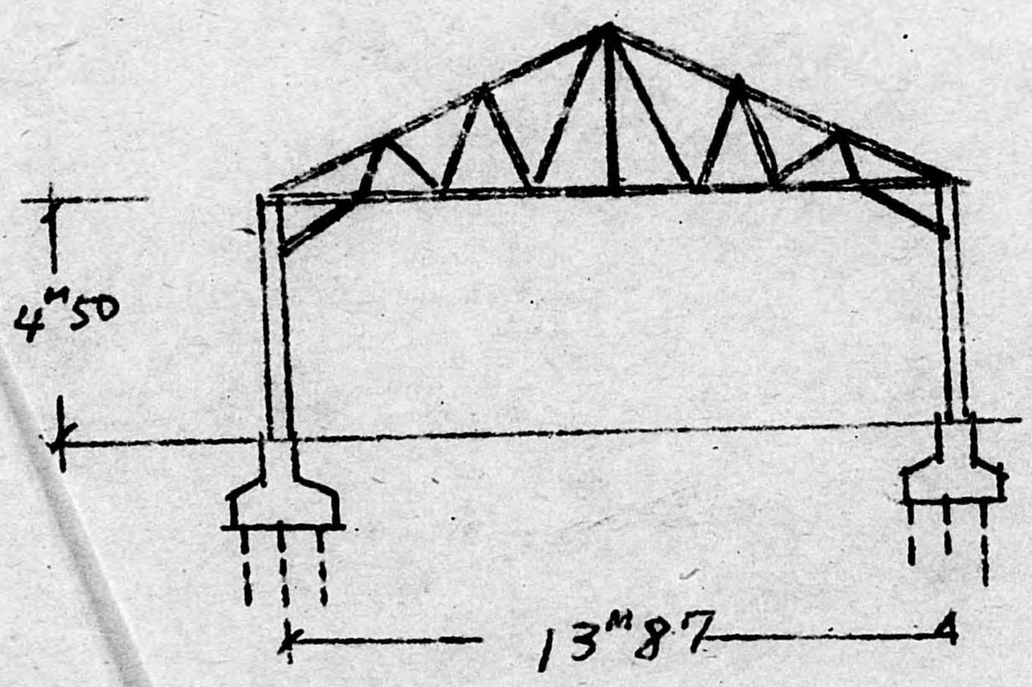
Section
Scale 1:200

34 Running test room

Section
scale 1:200

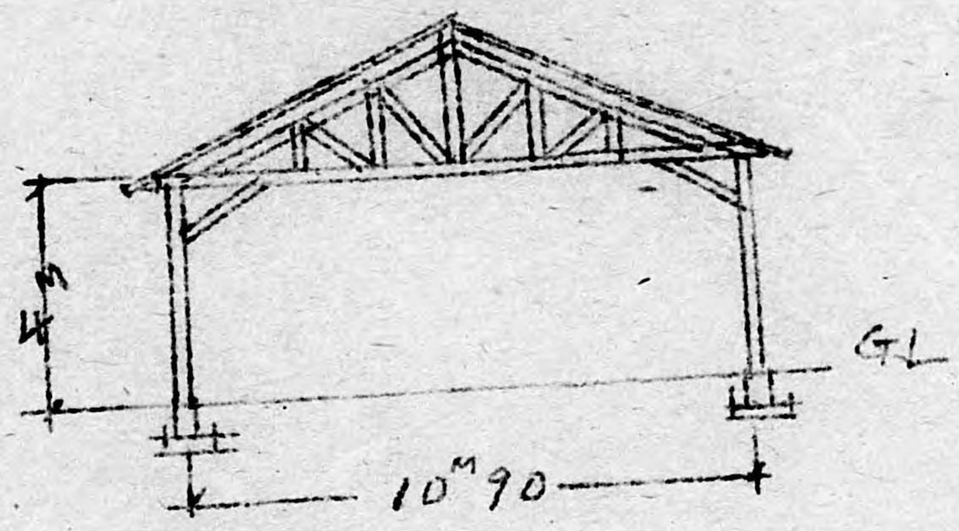


35 Laboratory



Section
1:200

36, 37 Wooden Pattern shop



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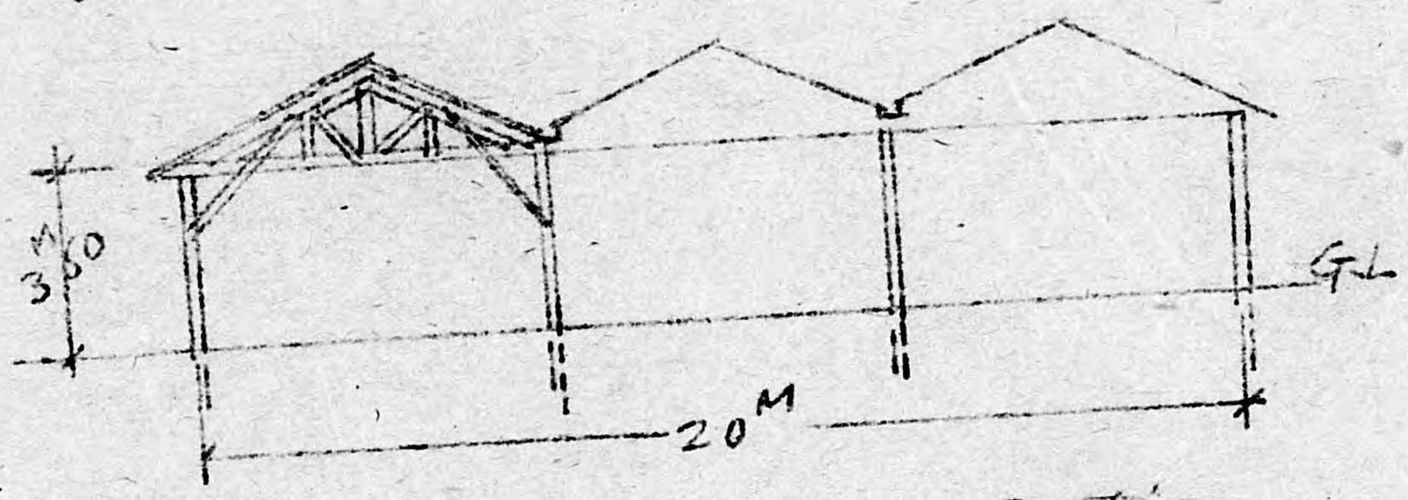
38, Strage



Section
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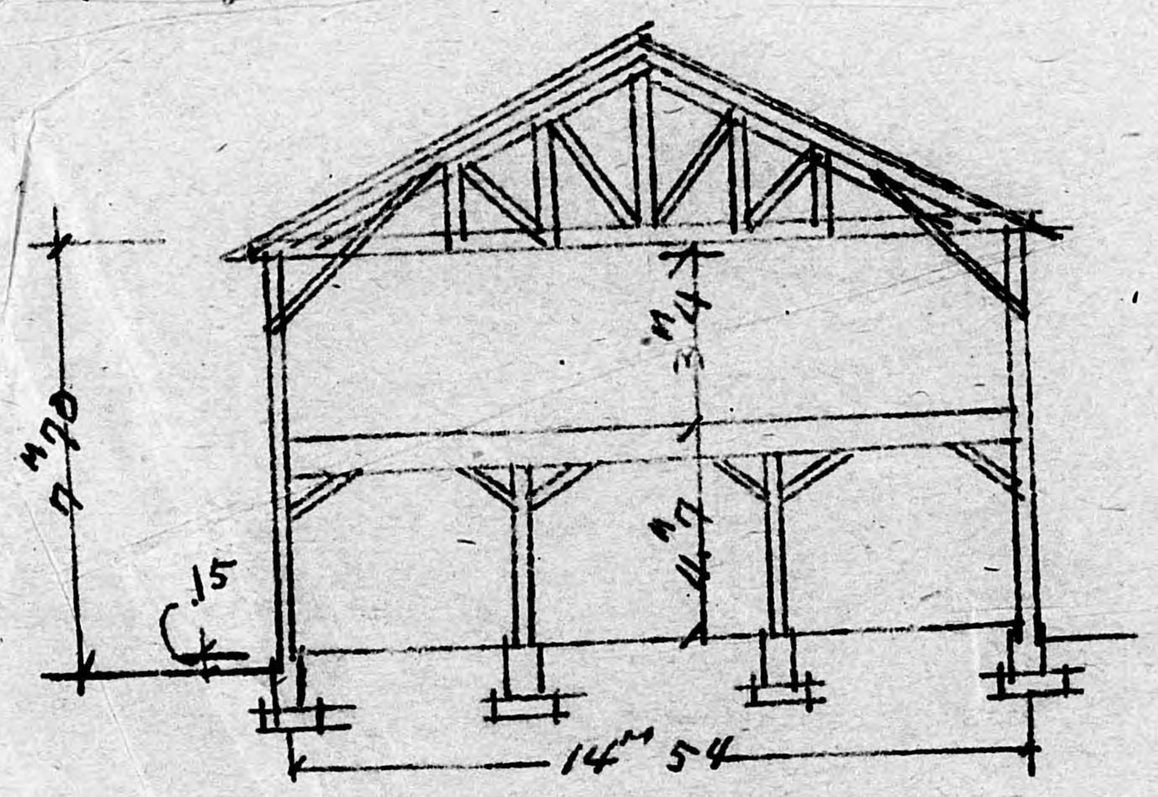
39 Storage



Section
Scale 1=200

(d)

4 The List of Buildings at Atsuta Plant

All of the papers and records on buildings being burnet by air raids, the following lists were mainly drawn up from memory.

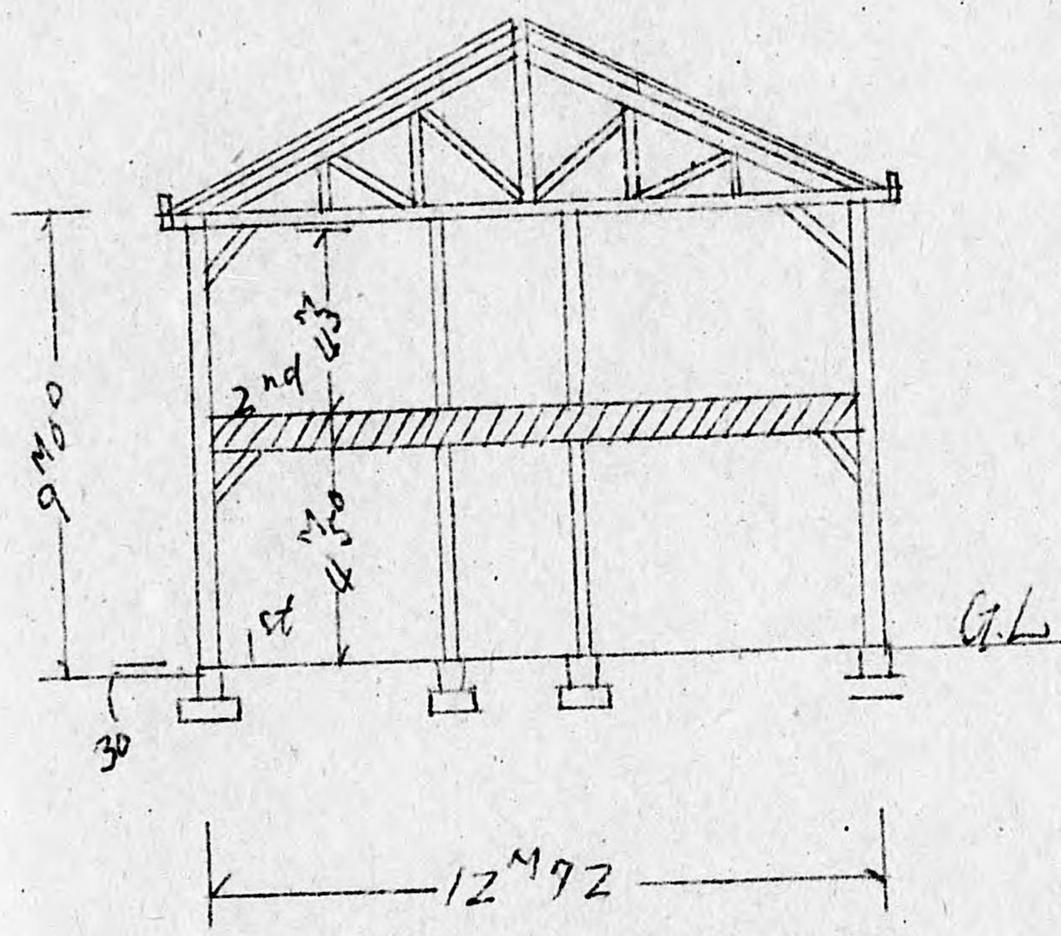
No. of Budg.	Function of Buildings	Description	No. of story	Area of Buildings sq.M: Area of each floors		Total area of floor		Damages Caused by air raid
1	Main Office	Wooden building on concrete foundation 12M72x40M00	2	1st	659	43	1,266	63	Burnet up by air raid on June 9th 1945
				2nd	607	20			
2	Main Office	" 12M72x34M54	2	1st	650	10	1,950	30	"
				2nd	633	60			
				Basement	666	60			
3	Guardmen's Room	" 5M15x14M54	1		74	77	74	77	"
4	Office	" 10M80x46M70	2	1st	50x	90	1,009	80	"
				2nd	50x	90			
5	Storage	" 12M72x50M22	1		638	71	638	71	Completely destroyed by air raid on June 9th 1945
6	Casting shop (light alloy only)	Steel framed structure on concrete foundation ~~49M34x74M77~~	1	1st	3709	20	3751	11	Destroyed beyond repair by bomb on June 9th 1945
				Basement	41	91			
7	Branch of finishing shop	Wooden building on concrete foundation 25M45x25M45	1		660	00	660	00	"
8	"	" 14M54x18M18	1		264	00	264	00	"
9	Storage	" 10Mx11M	1		115	50	115	50	"
10	Material Laboratory	" 14M54x45M45	1		653	40	653	40	Burnet up by air raid on Mar. 19th 1945
11	"	" 26Mx11M50	1		394	35	394	35	"

No. of Bldg	Function of Buildings	Description	No. of story	Area of Buildings sq. M: Area of each floors	Area of Buildings sq. M: Total area of floors	Dameges caused by air raid
12	Storage	Wooden building 15M x 19M90	1	297.00	297.00	Burnet up by air raid on Mar. 19th 1945
13	Packing house	" 9M090 x 54M54	1	495.00	495.00	"
14	Storage	" 15M15 x 18M18	1	203.44	203.44	Burnet up by air raid on June 9th 1945
15	Branch of Finishing shop	Wooden building on concrete foundation 12M76 x 18M18	1	264.00	264.00	"
16	Gas governer house	" 3M78 x 10M80	1	38.47	38.47	"
17	Machine shop	steel framed structure on concrete foundation 72M88 x ~~169M17~~ 129M95	1	1st 11,899.76 mezzanine 795.90	12,695.66	The southern part of structure was destroyed by earthquake on Dec. 7th 1944, and almost all of the remaining part was destroyed beyond repair by air raid on June 9th 1945
18	Branch of Finishig shop	" 18M18 x 15M75	1	261.42	261.42	destroyed by earthquake on Dec. 7th 1944
19	"	Wooden building on concrete foundation 7M57 x 19M09	1	216.97	216.97	destroyed by bomb, beyond repair on June 9th 1945.
20	"	" 9M09 x 22M72	1	233.47	233.47	"
21	Storage	The southern part was constructed with steel frame and the remain is wooden building 32M96 x 36M50	2	1st 1,198.82 2nd 1,198.82	2397.64	destroyed by bomb, but repairable on June 9th 1945
22	Heat treatment shop	steel flamed structure on concrete foundation 59M.99 x 69M26	1	1st 4,024.71 Basement 39.61	4,064.31	"

No. of Bldg	Function of Building	Description	No. of story	Area of Buildings sq.M: Area of each floors	Area of Buildings sq.M: Total area of floor	Damages caused by air raid
23	Finishing shop	Steel framed structure on concrete foundation 32M62x69M16	1	2441.20	2441.20	destroyed beyond repair by earthquake on Dec. 7th 1944
24	Air compresser chamber	Wooden building on concrete foundation 5M45x13M63	1	74.25	74.25	completely destroyed by earthquake on Dec. 7th 1944
25	Branch of Finishing shop	" 7M27x18M18	1	138.60	138.60	"
26	Drawing Room	" 9M09x29M09	2	1st 652.60 2nd 597.34	1249.94	destroyed by earthquake on Dec. 7th 1944 and air raid on June 7th 1945, but repairable
27	Electric power plant	Steel framed structure covered with reinforced concrete 9M41x11M60	1	108.83	108.83	slightly damaged by bomb on June 9th 1945
28	Tool shop	Steel framed structure on concrete foundation 72M90x38M30	1	2786.75	2786.75	destroyed by bomb, but repairable on June 9th 1945
29	Assembling shop	" 72M90x38M30	1	2786.75	2786.75	slightly dameged by bomb on June 9th 1945
30	Steam heating plant	" 11M20x17M15	1	180.52	180.52	destroyed beyond repair by earthquake on Dec. 7th 1944
31	Laboratory	Wooden building on concrete foundation 91M09x50M90	1	524.70	524.70	burnet up by air raid on Mar. 19th 1945
32	Running test room	" 7M27x10M90	1	84.01	84.01	slightly dameged by earthquake on Dec. 7th 1944
33	Shop for experimental engine machine finishing and assembling	steel framed structure on concrete foundation 63M63x60M21 18M18x38M40	1	1st 446.16 mezzanine 54.45	501.61	the eastern part of the structure was burnet up by air raid on Mar. 19th 1945

No. of Budg	Function of Building	Description	No. of story	Area of Building sq.M: Area of each floor	Area of total floor	Damages caused by air raid
34	Running test room	Reinforced concrete construction 23M77X26M70	2	1st 640 25 2nd 200 30 mezzanine 250 01	1090 61	
35	Laboratory	Steel framed structure on concrete foundation 13M87X27M13	1	377 38	377 38	
36	No.1 Wooden Pattern shop	Wooden building on concrete foundation 10M90X34M54	1	356 40	356 40	Burnet up by air raid on Mar. 19th 1945
37	No.2 Wooden Pattern shop	〃 10M90X34M54	1	356 40	356 40	〃
38	Storage	Wooden building 20MX26M76	1	535 20	535 20	Slightly damaged by bomb on June 9th 1945
39	Storage	Wooden building on concrete foundation 14M54X31M81	2	1st 462 00 2nd 396 00	858 00	〃
40	The other buildings (W.C. toilet & small strage etc.)	Wooden building	1		1,129 60	Almost all of the buildings were destroyed or burnet up by air raid
	Total				52,035 70	

No. 1 and No. 2
Main office



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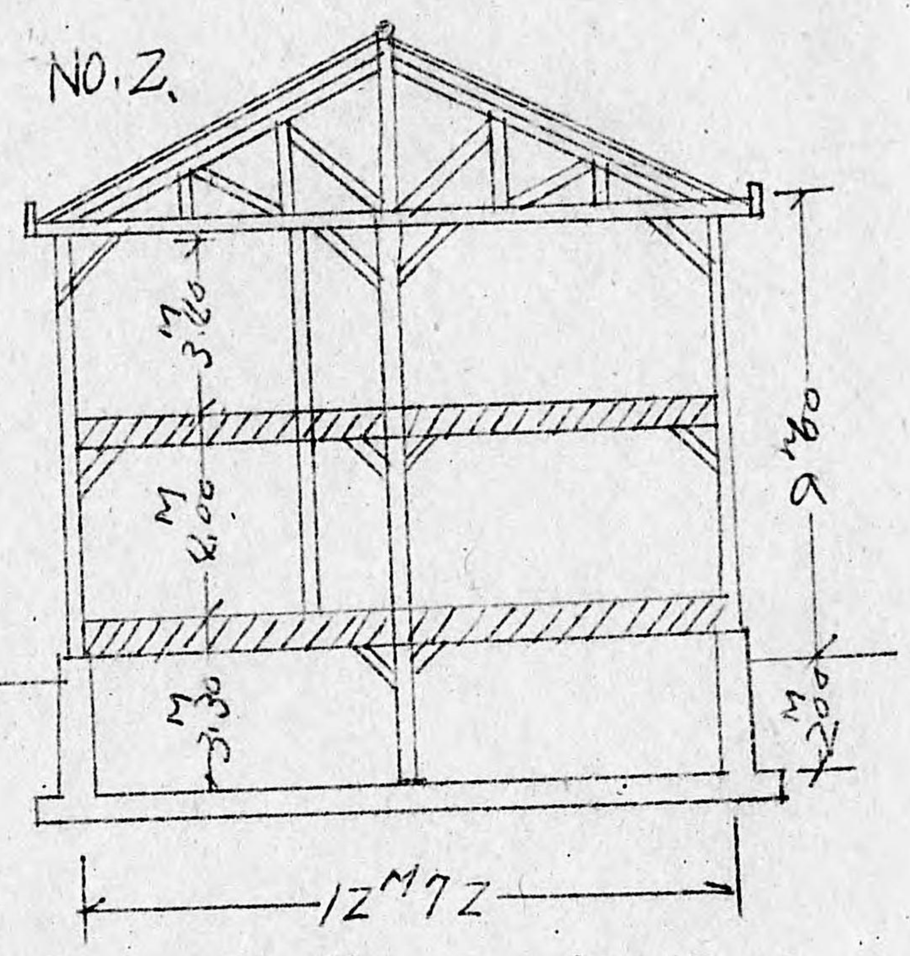

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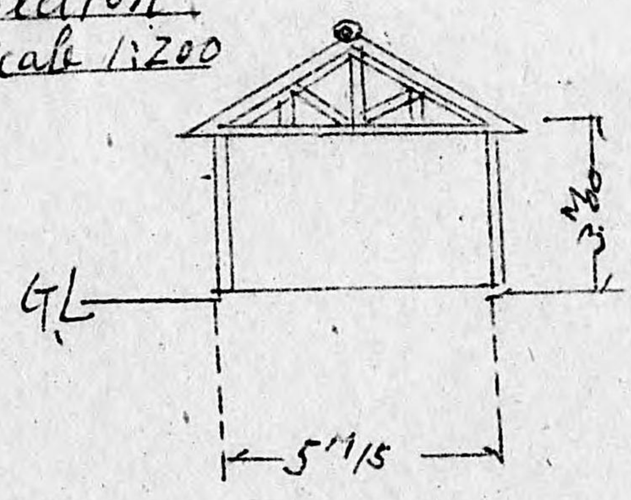
No. 3 Guardmen's Room.

Section
Scale 1:200



No. 4 Office

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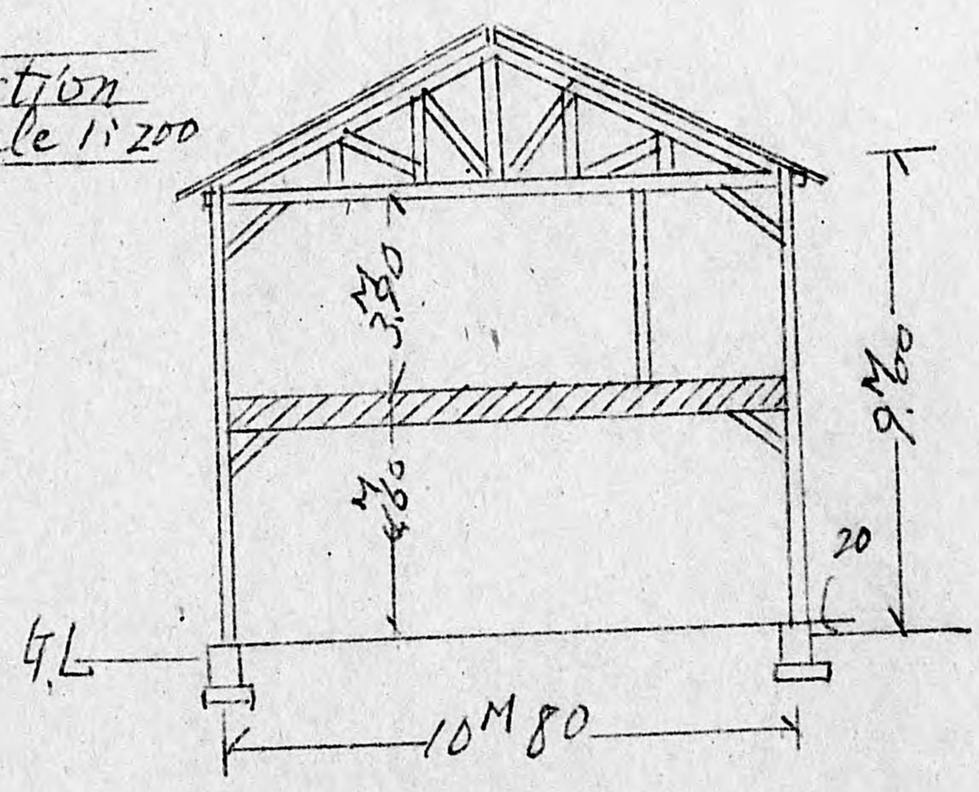
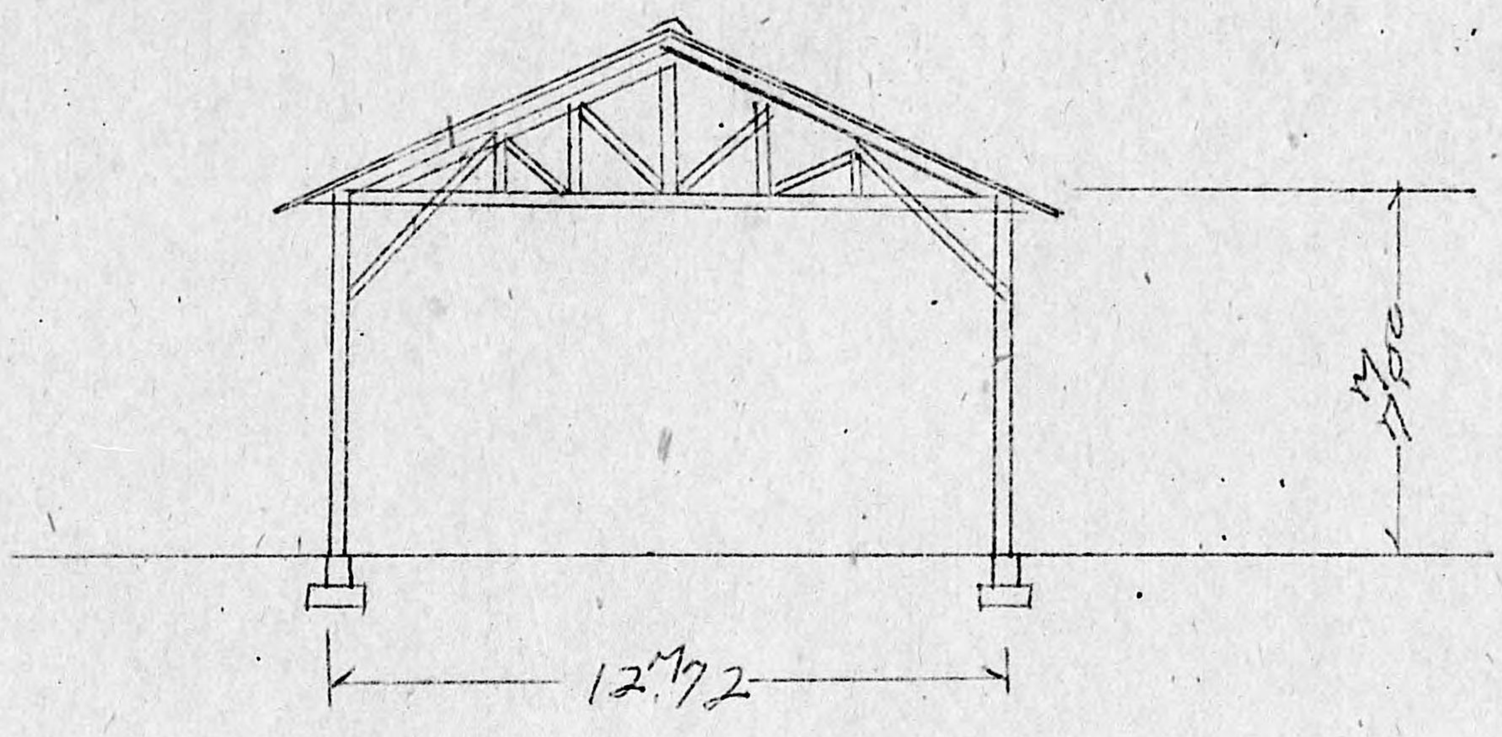


No.5 Storage



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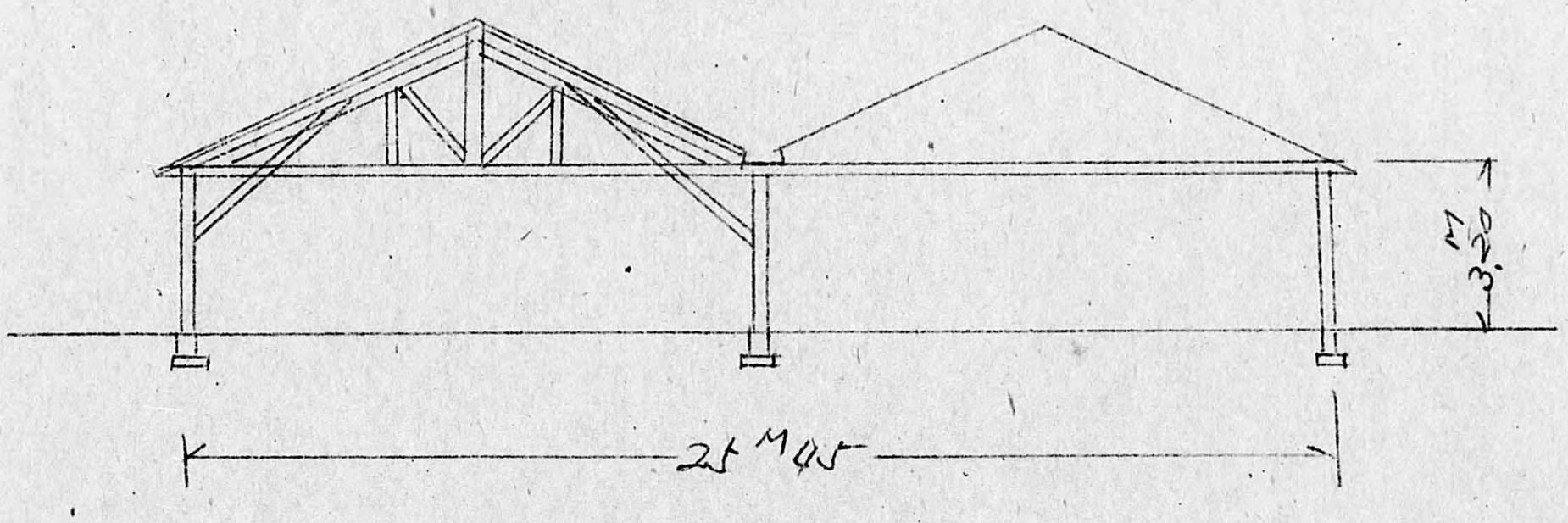
No.7. Branch of finishing shop



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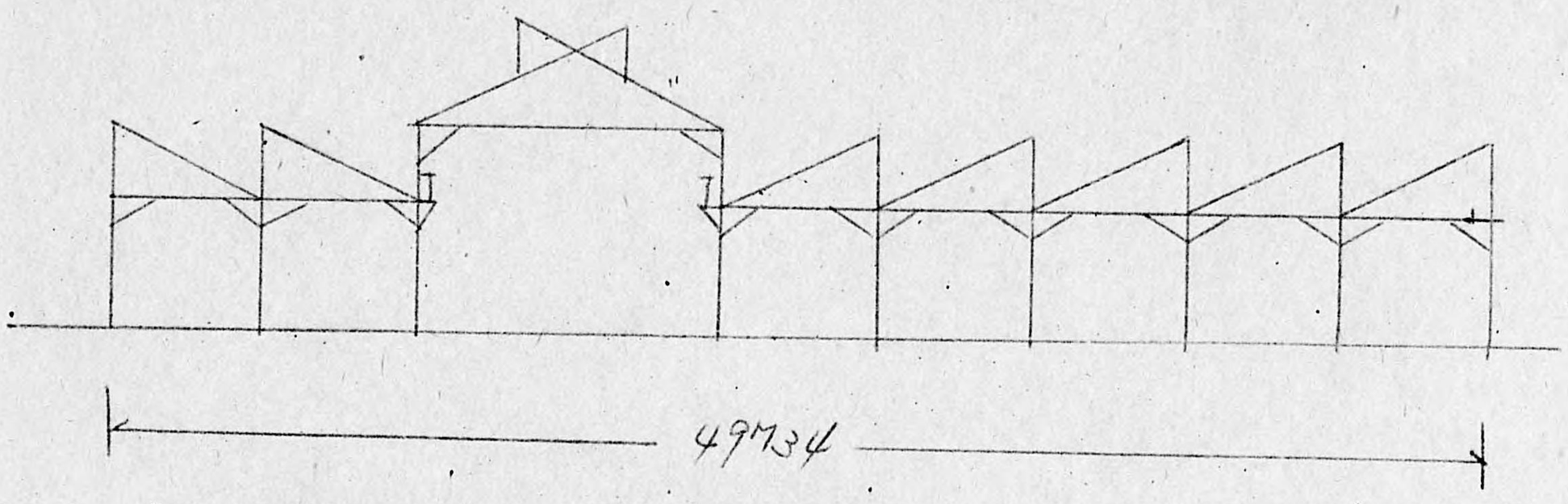
No. 6 Casting shop



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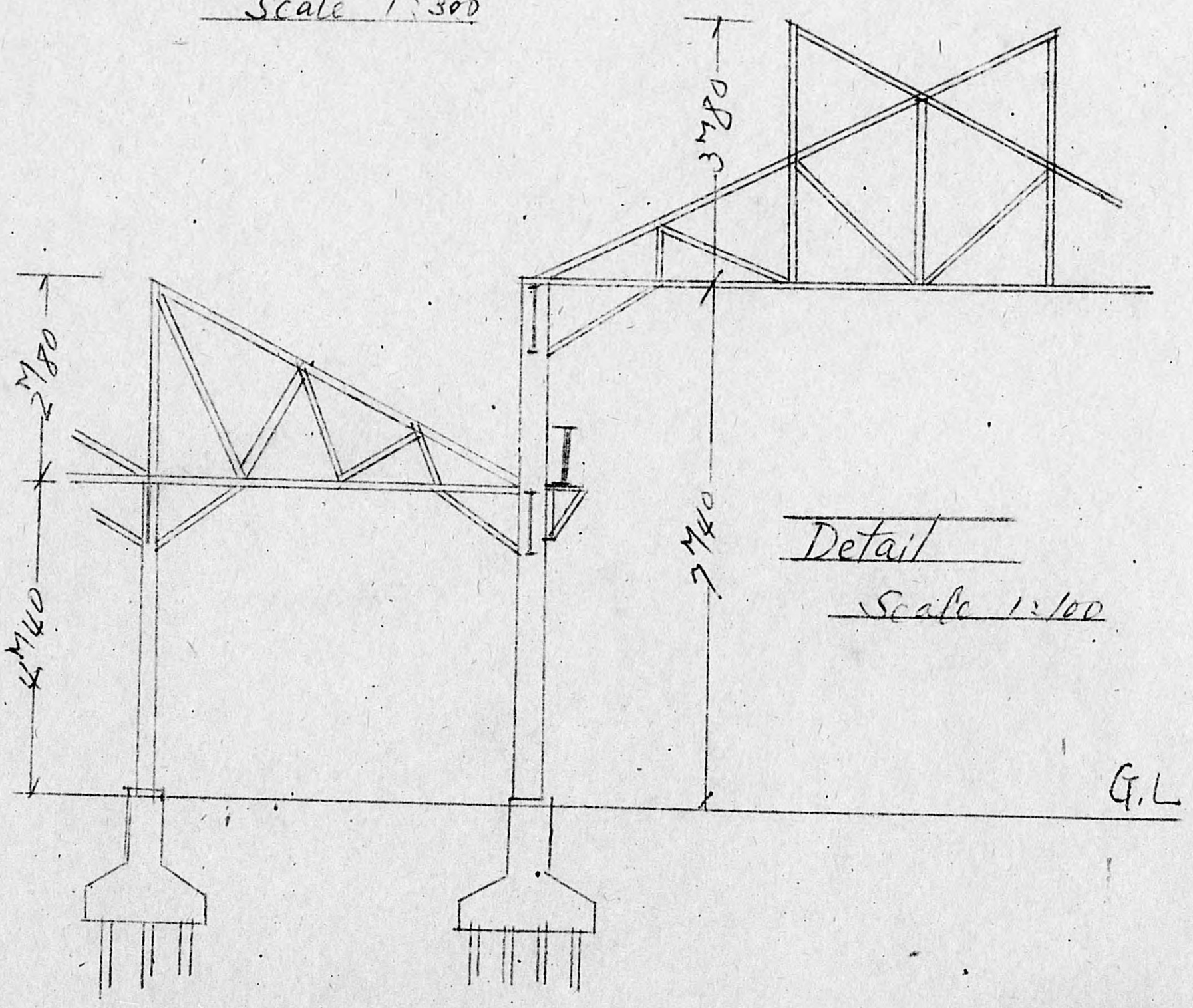
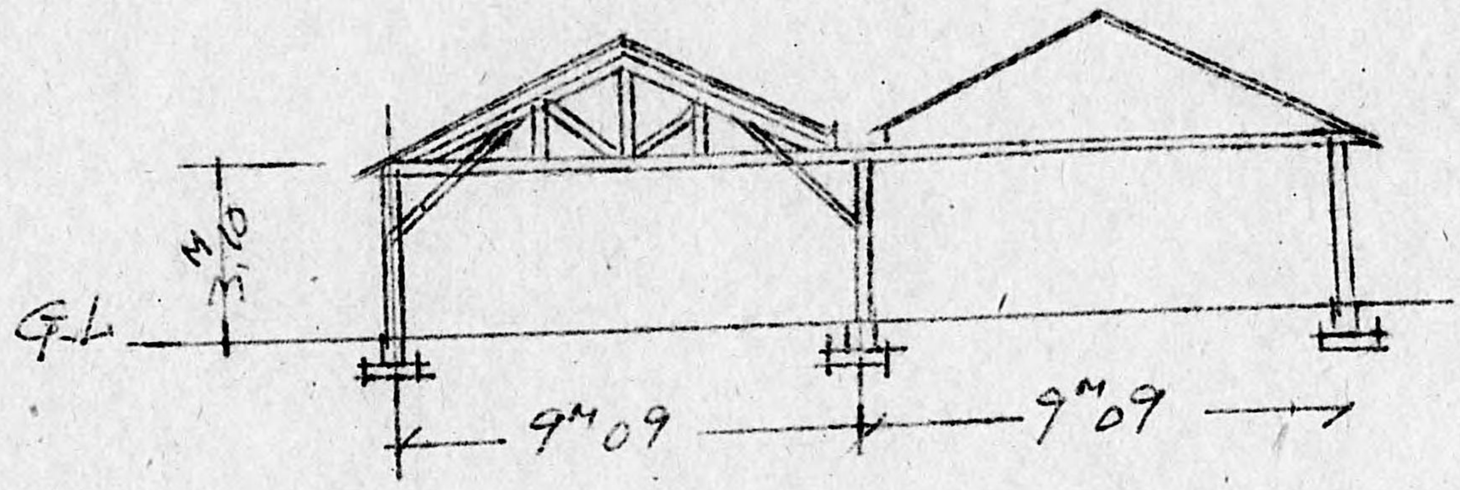


Detail
Scale 1:100

No. 8 Branch of finishing shop



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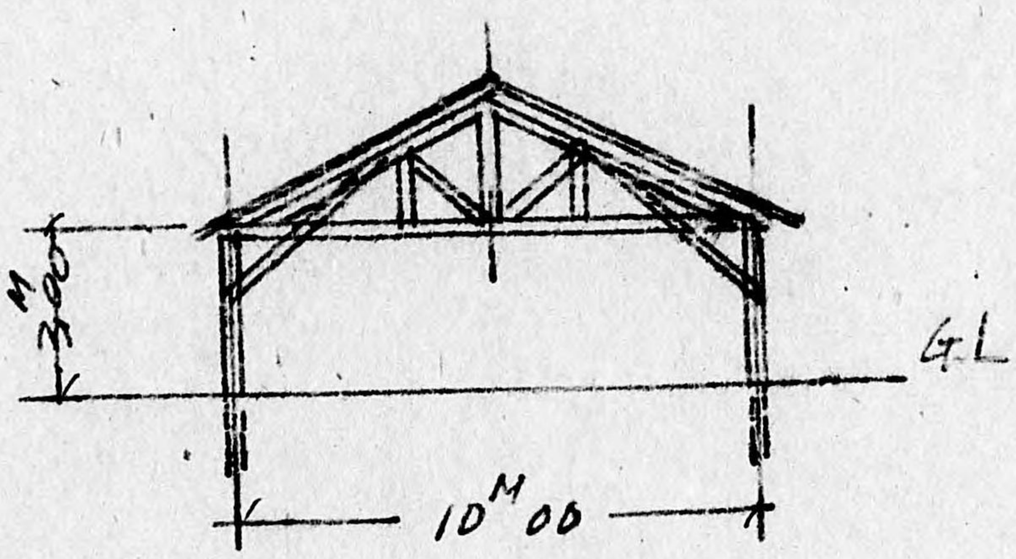
1:200

No. 9. Storage



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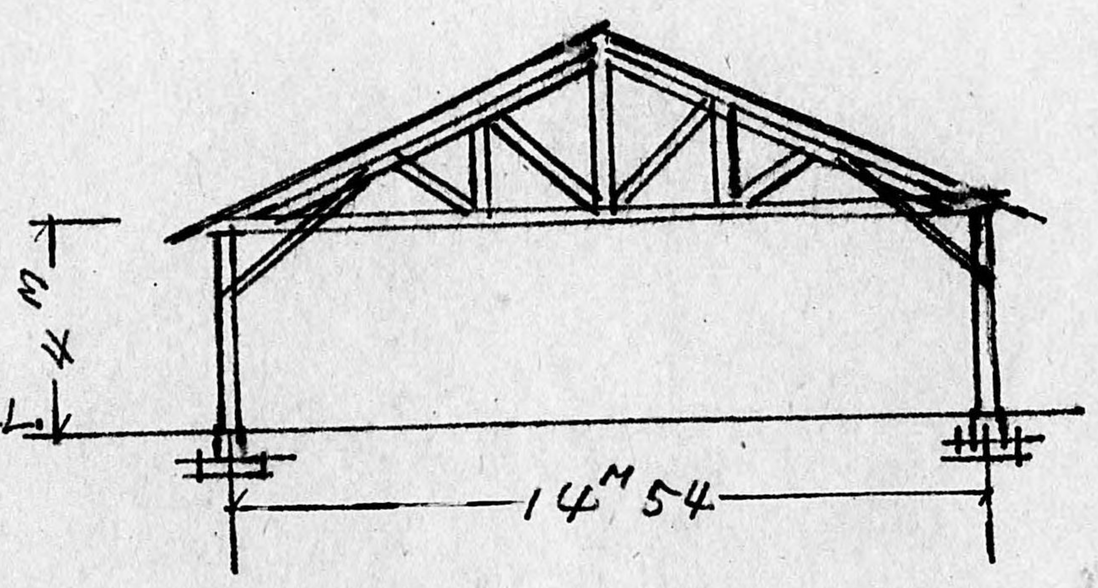
1:200

No. 10. Material
Laboratory



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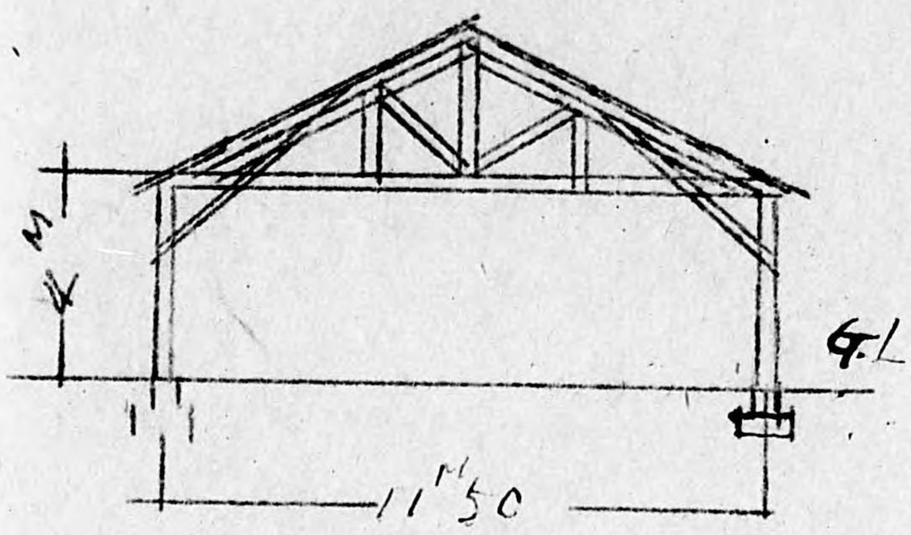
NO. 11 Material Laboratory



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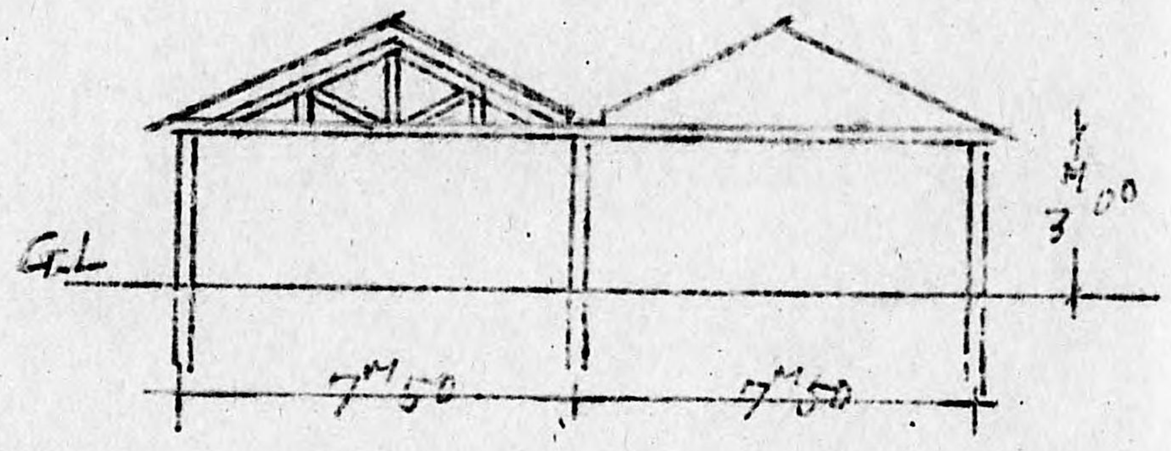
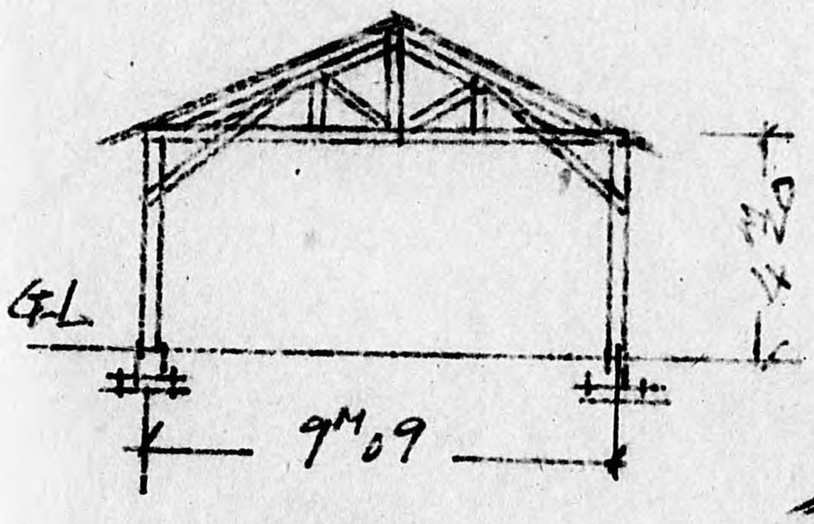
NO. 12 Storage



Section
Scale 1:200

NO. 13. Packing House



Section
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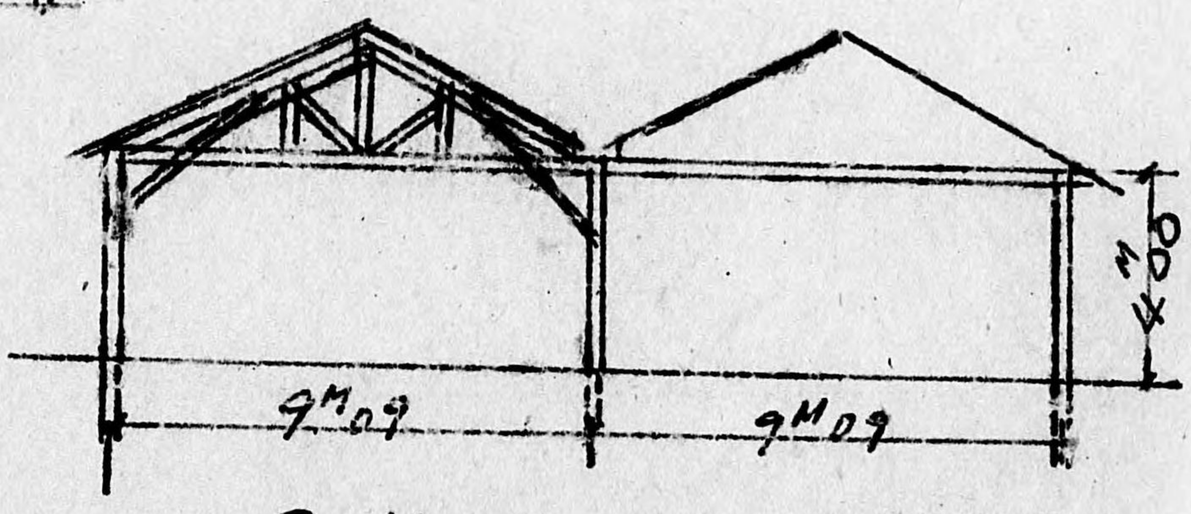
NO. 14 Storage



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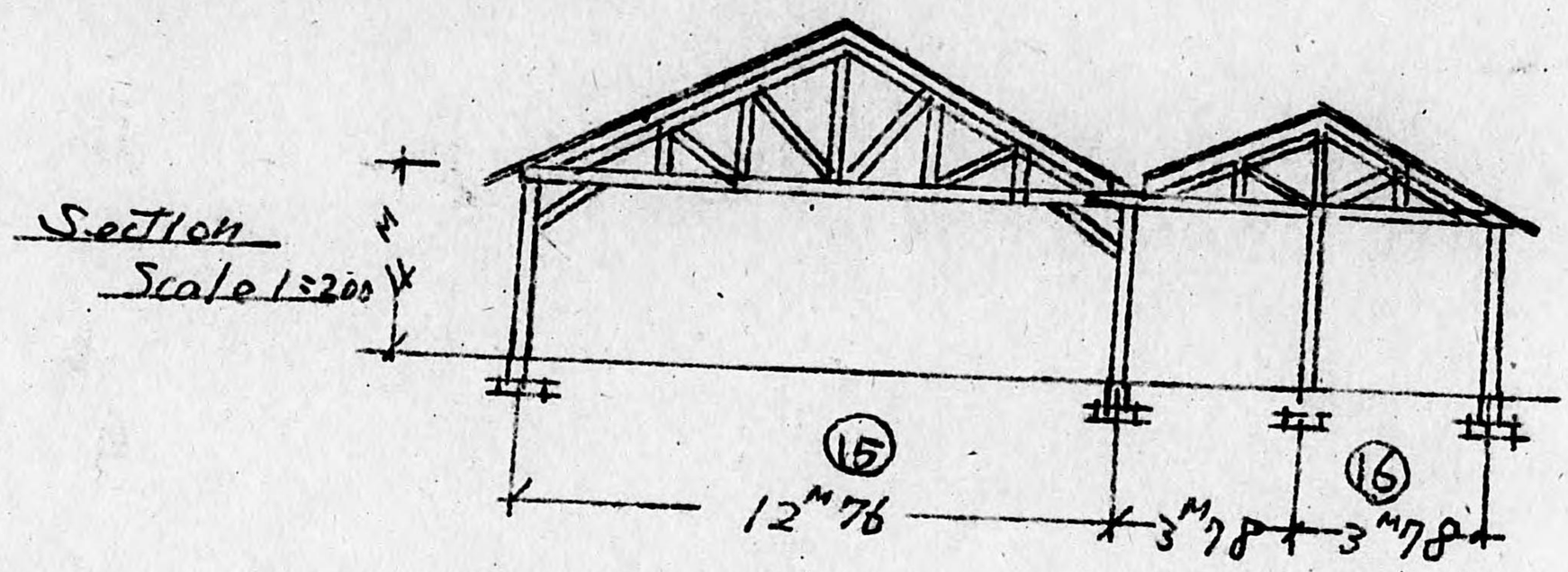
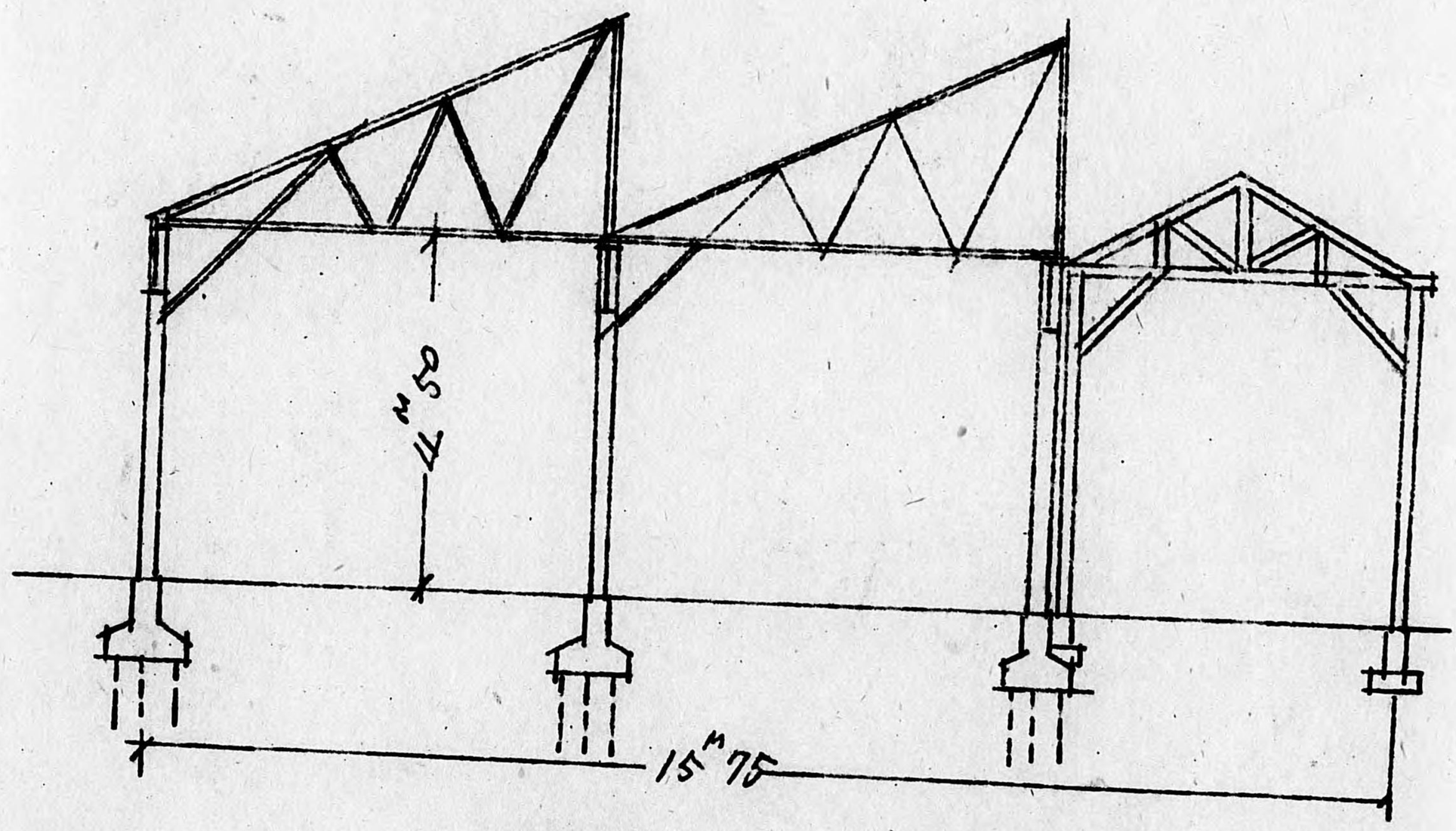
15. Branch of Finishing shop
16. Gas governer House



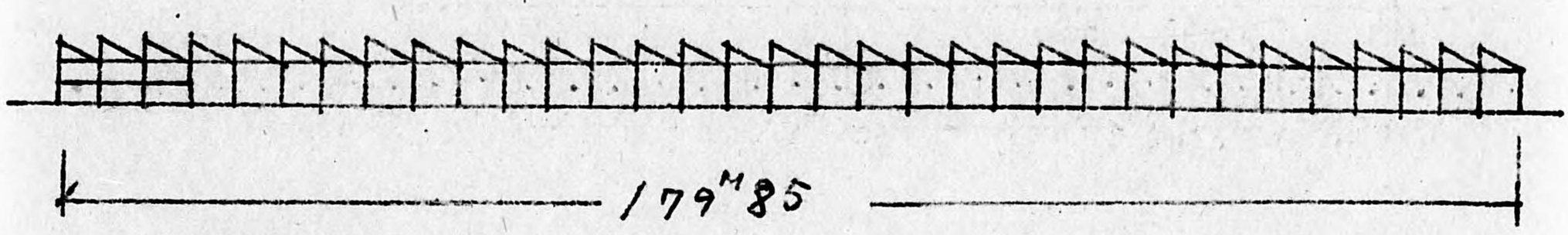
18 Branch of finishing shop

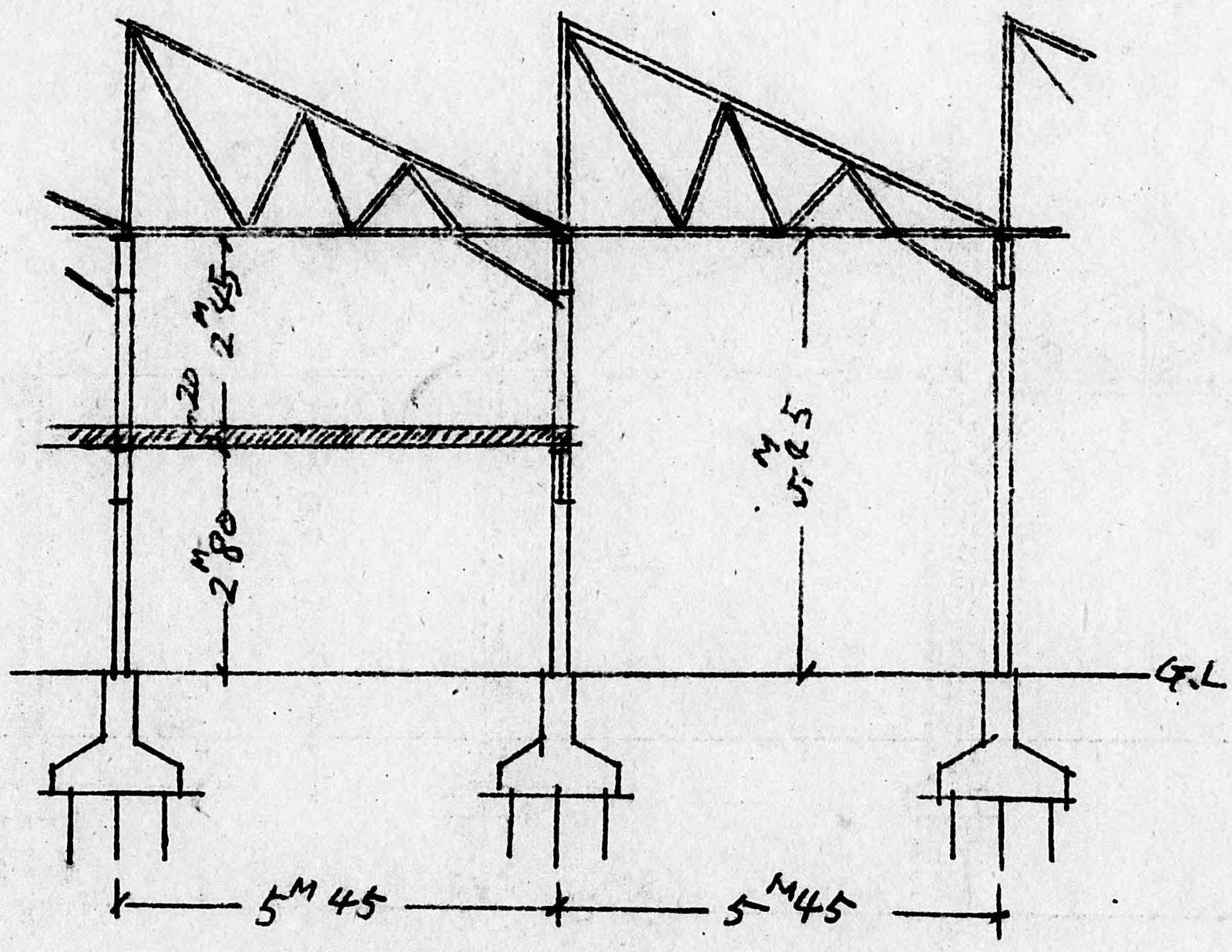


Section Scale 1:200

17 Machine shop

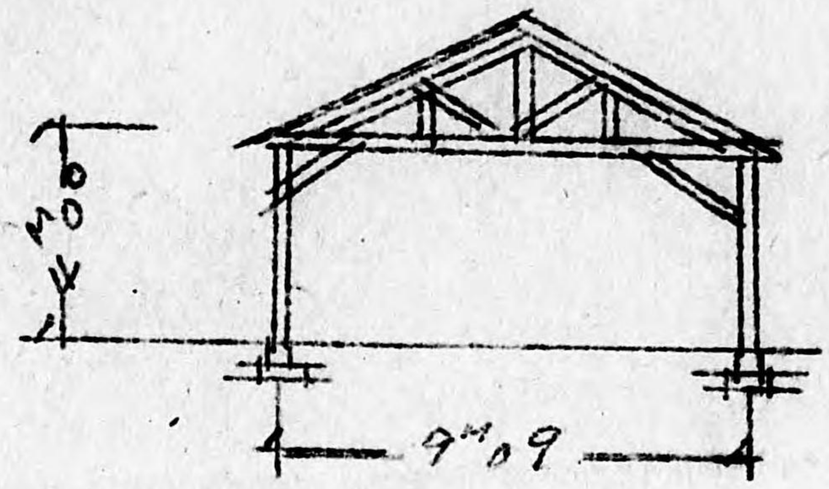
Section
scale 1=1000





Detail
Scale 1=100

19. 20. Branch of Finishing shop



Section
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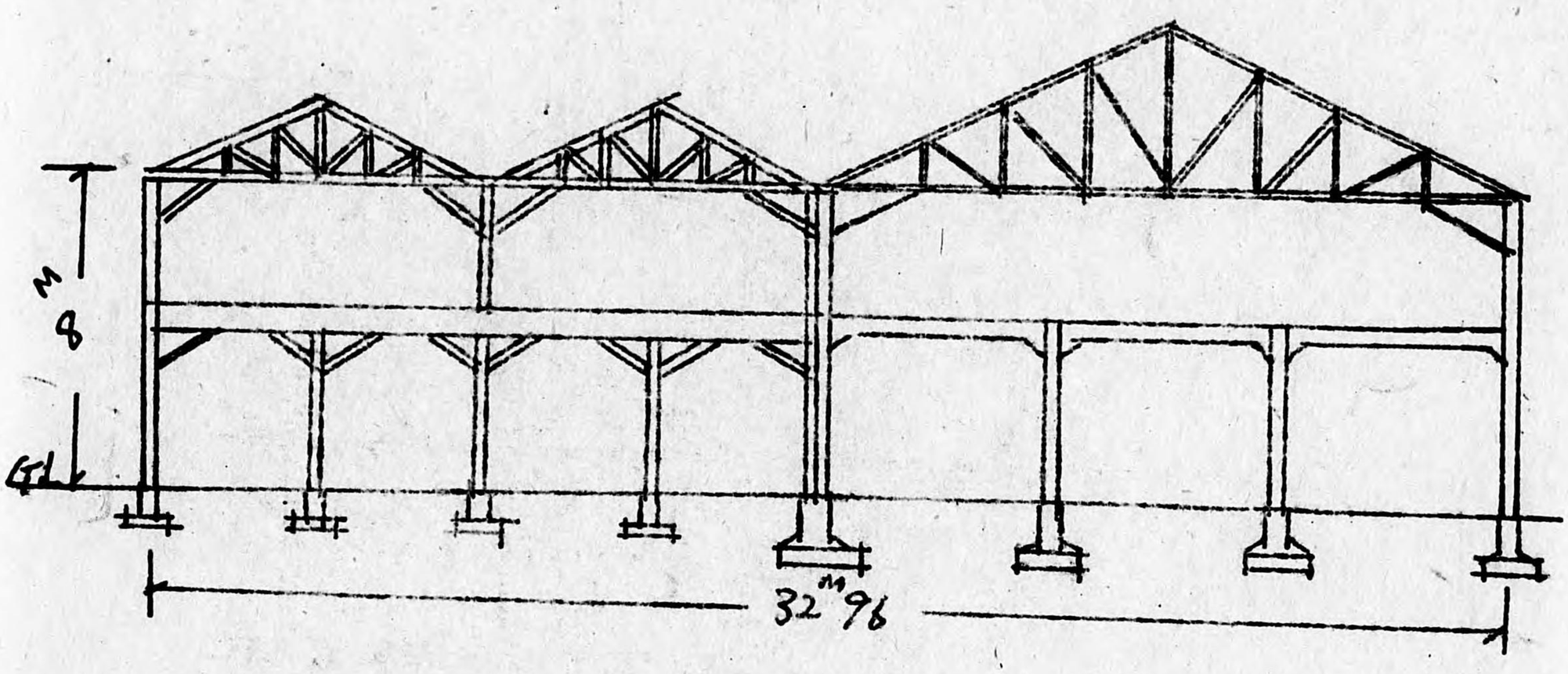
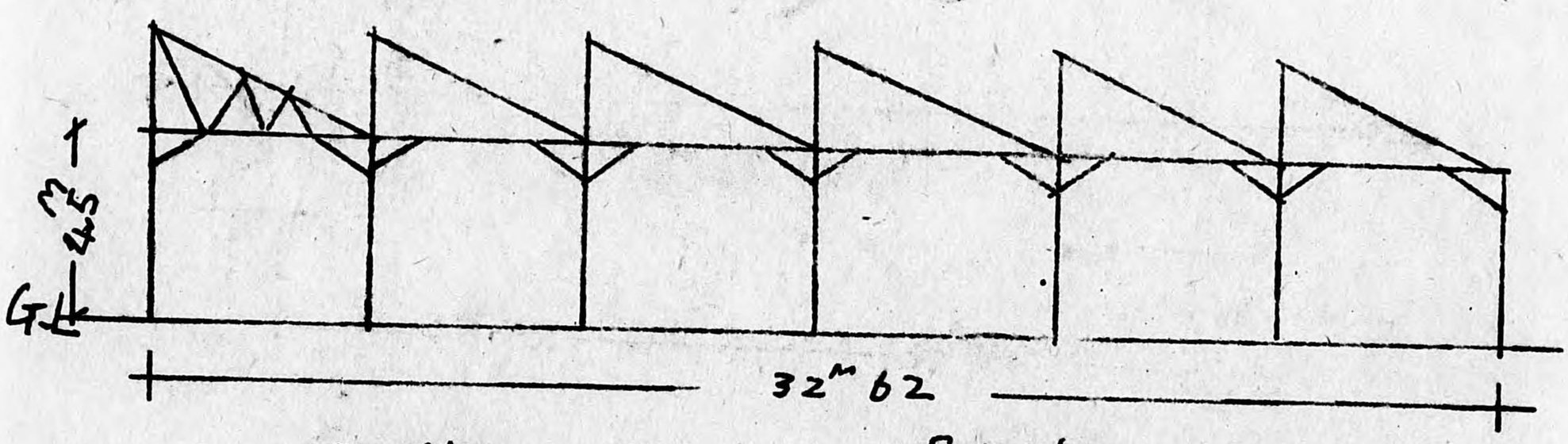


23. Finishing Shop

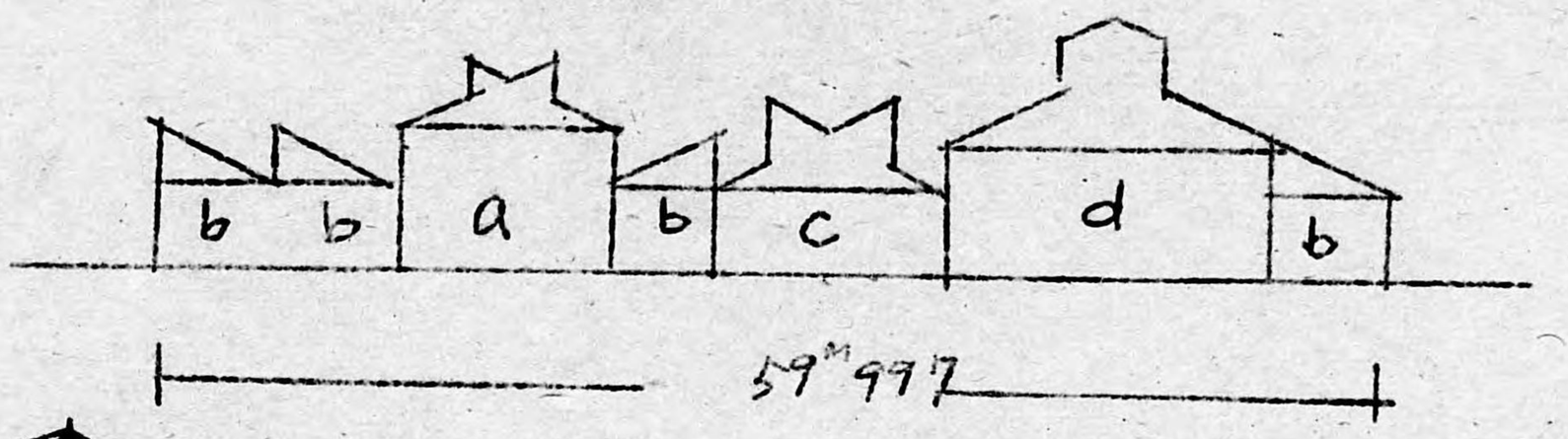


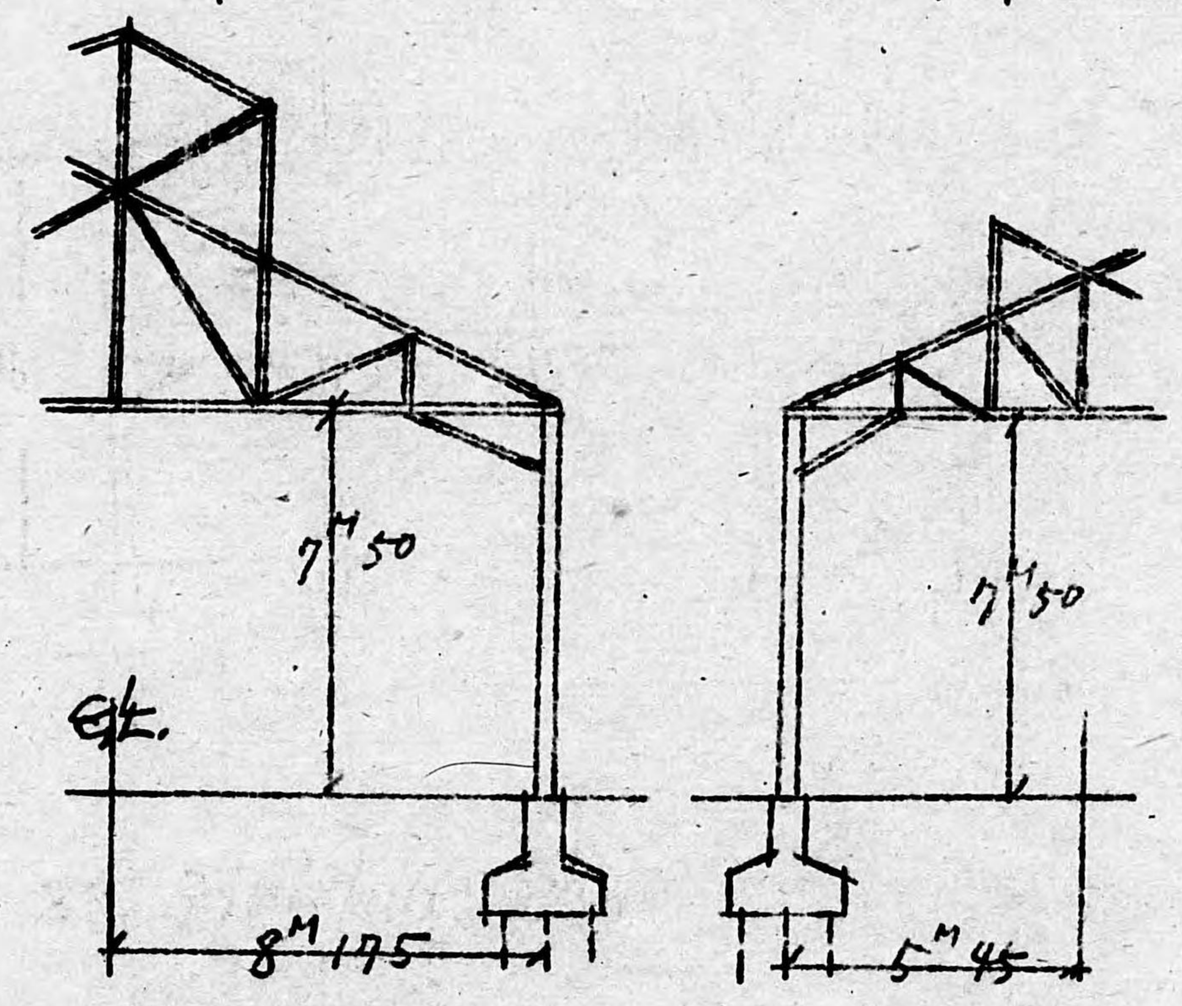
Section
Scale 1:200

Remarks—
The detail of this structure is shown on the figure No. 28

22 Heat treatment shop

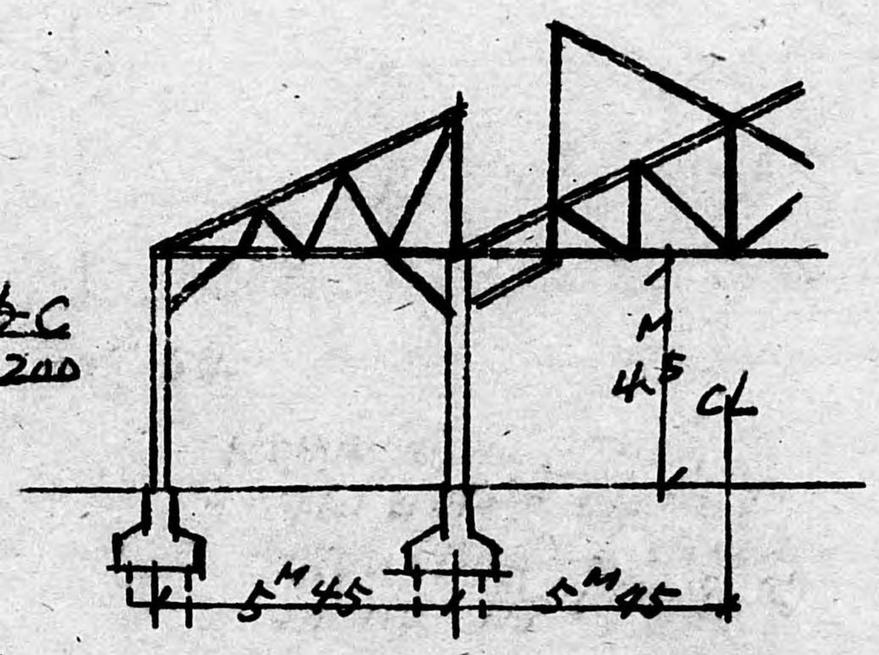
Section
Scale 1:200





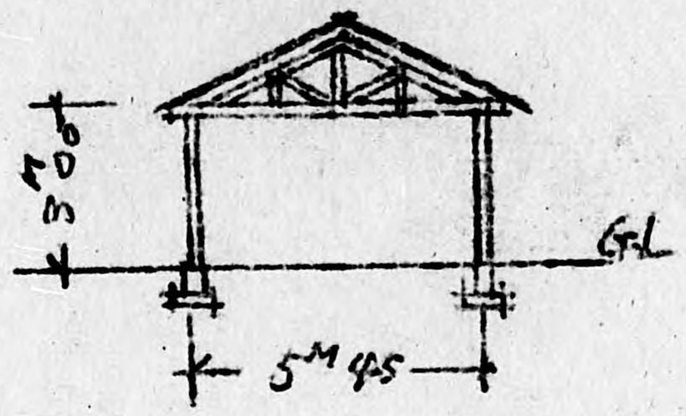
Detail of a
Scale 1:200

Detail of d
Scale 1:200

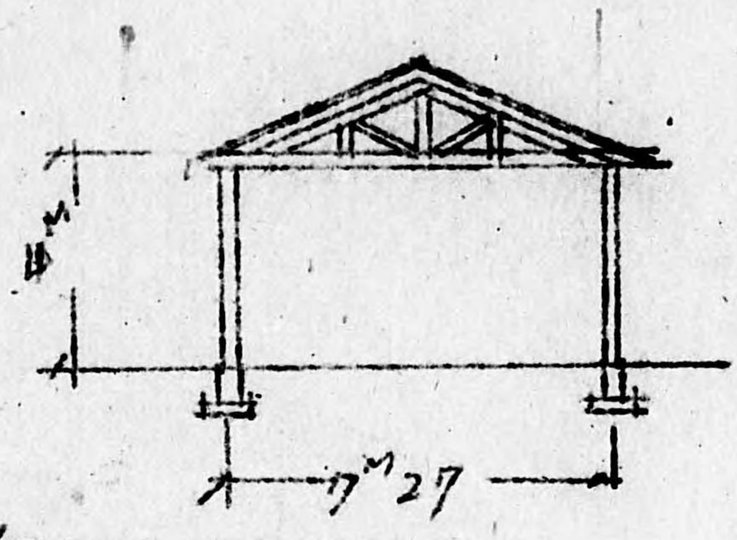


Detail of b & c
Scale 1:200

24 Air compressor chamber

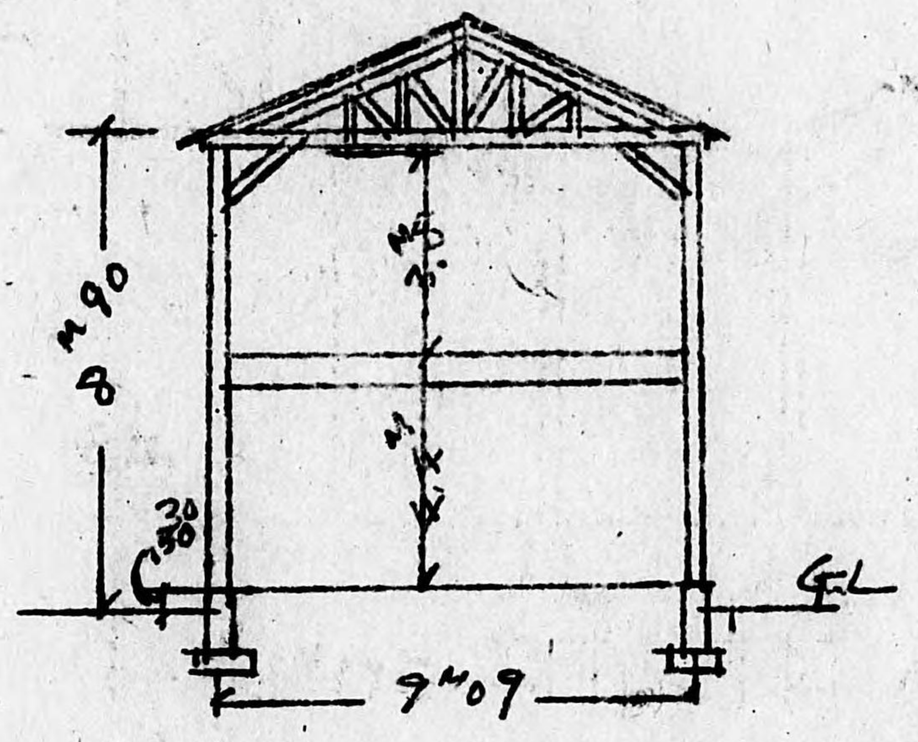


25, Branch of finishing shop

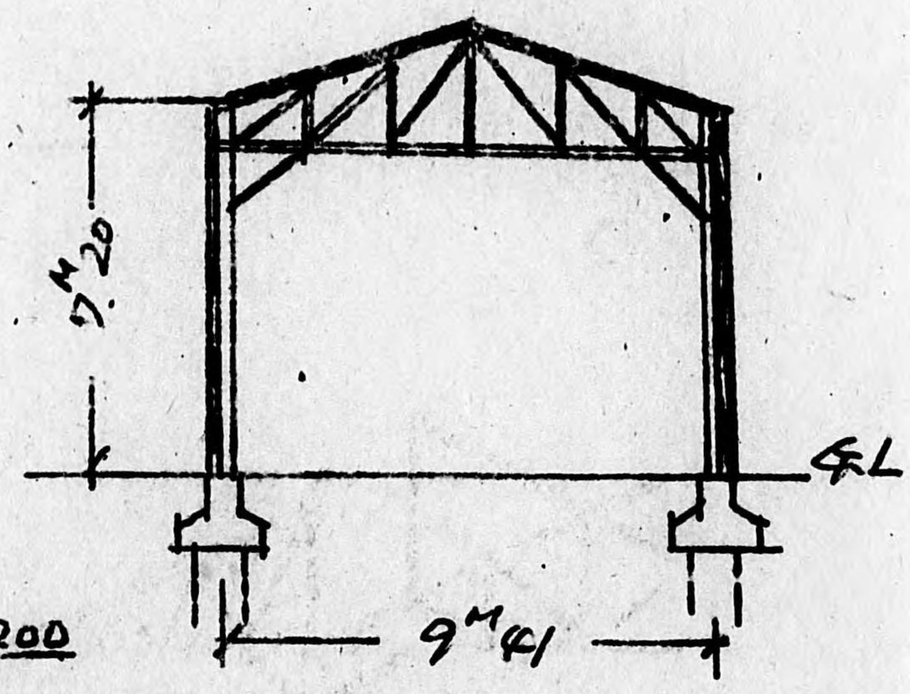


Section
scale 1:200

26. Drawing Room

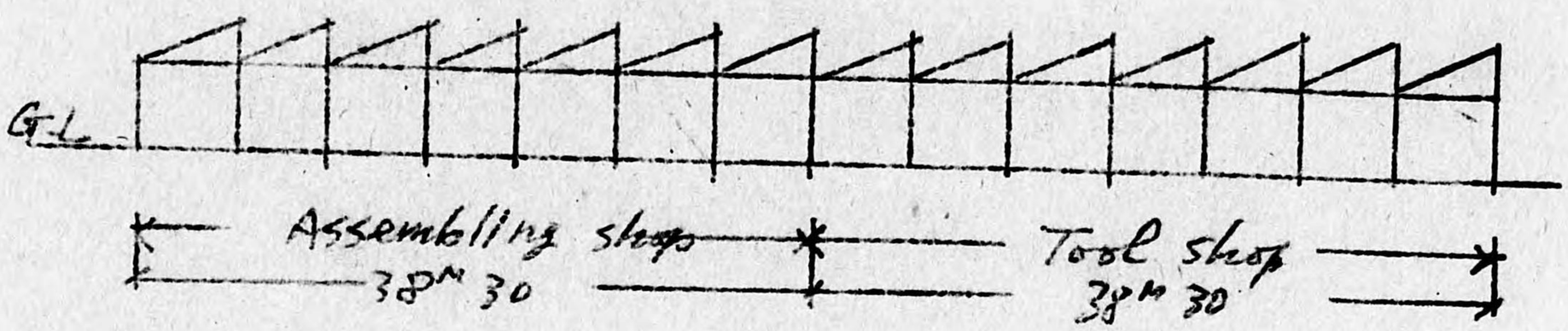


27. Electric power plant



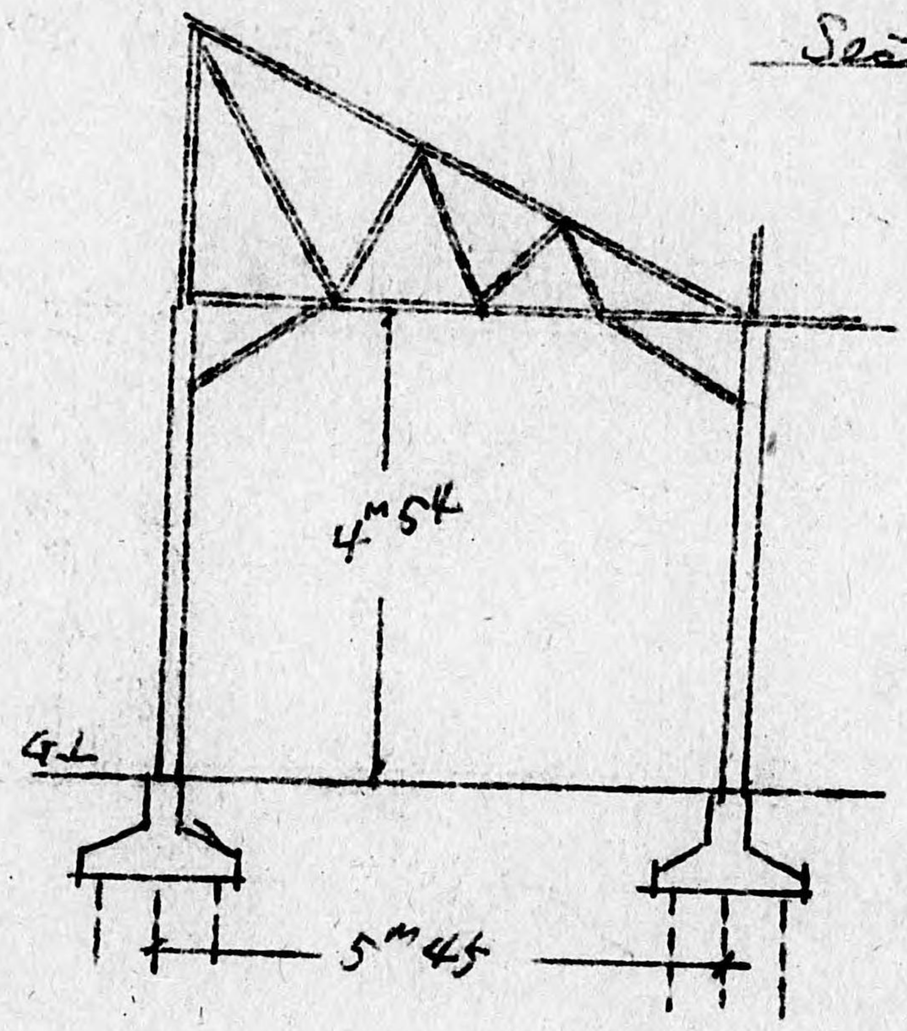
Section
scale 1:200

28. Tool shop
29 Assembling shop



Section

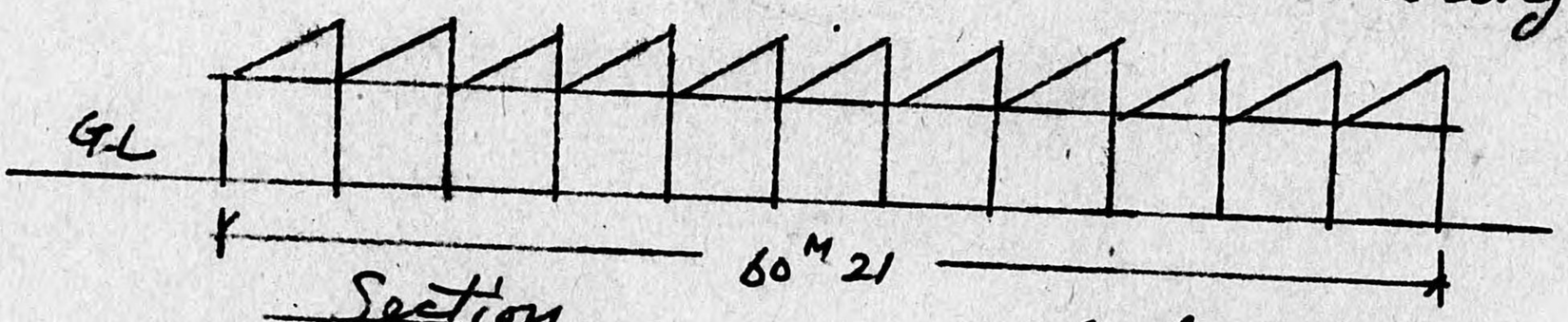
Scale 1:500



Detail

Scale 1:100

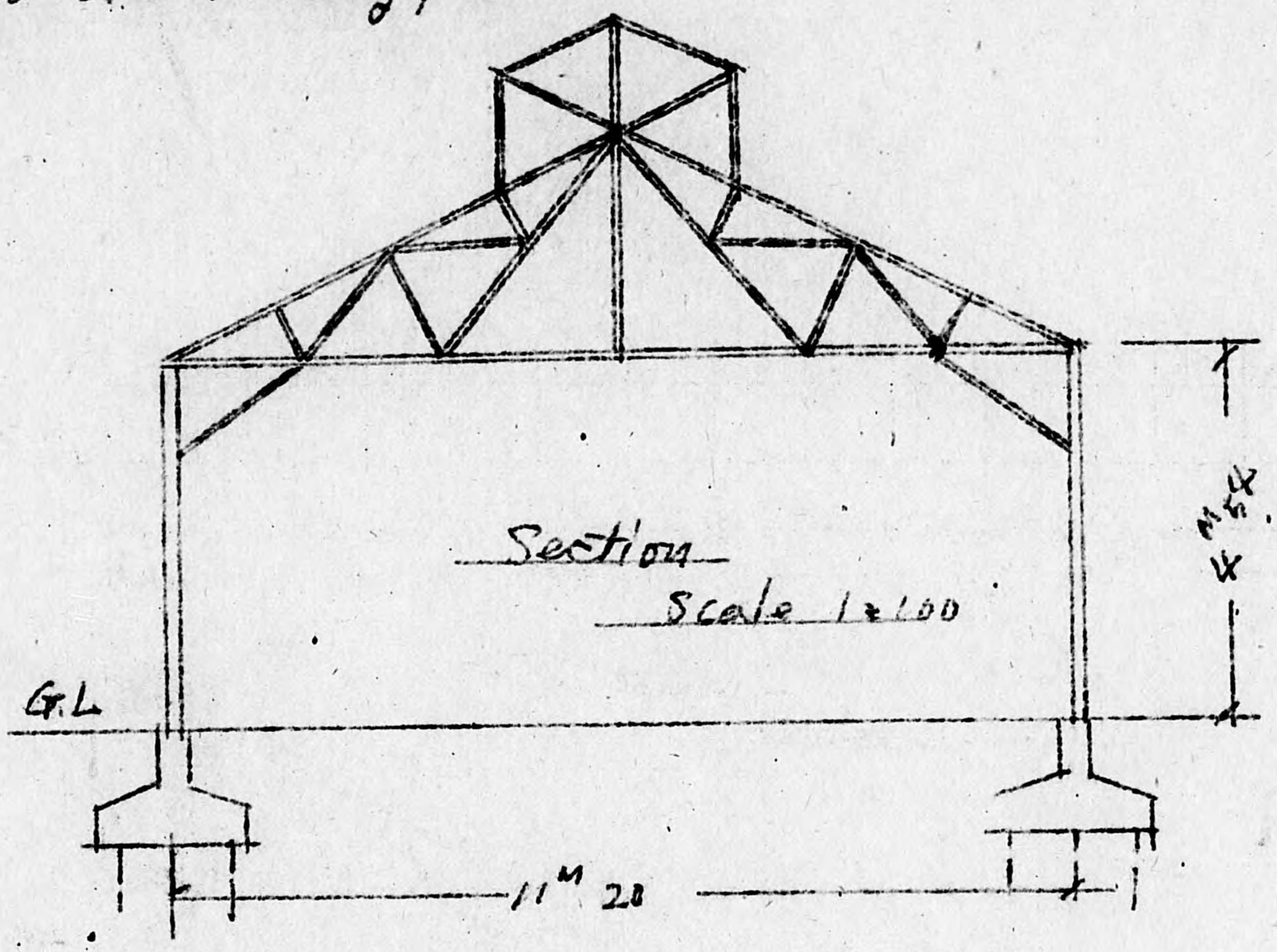
33 Shop for experimental engine (machine, finishing and assembling)



Section

~~Scale 1:500~~

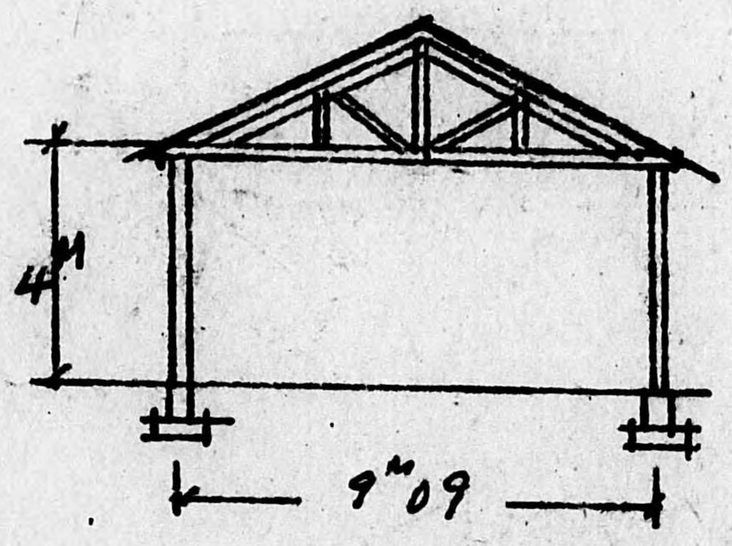
30 Steam heating plant

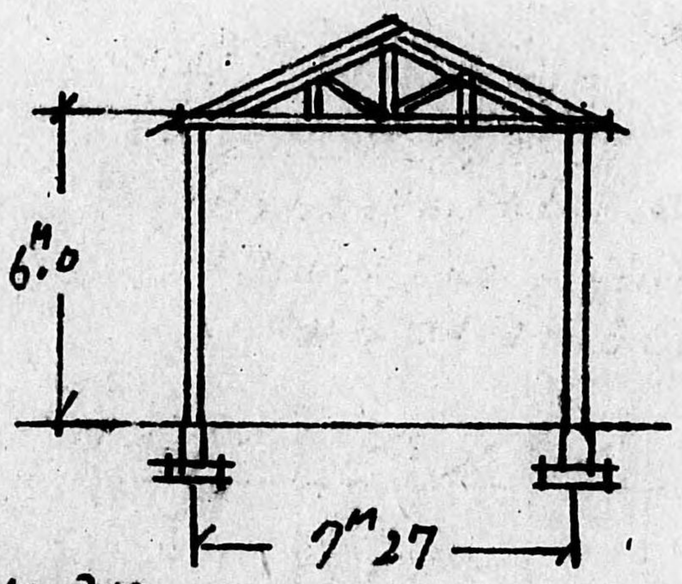


Section
Scale 1:100

31. Laboratory

32. Laboratory

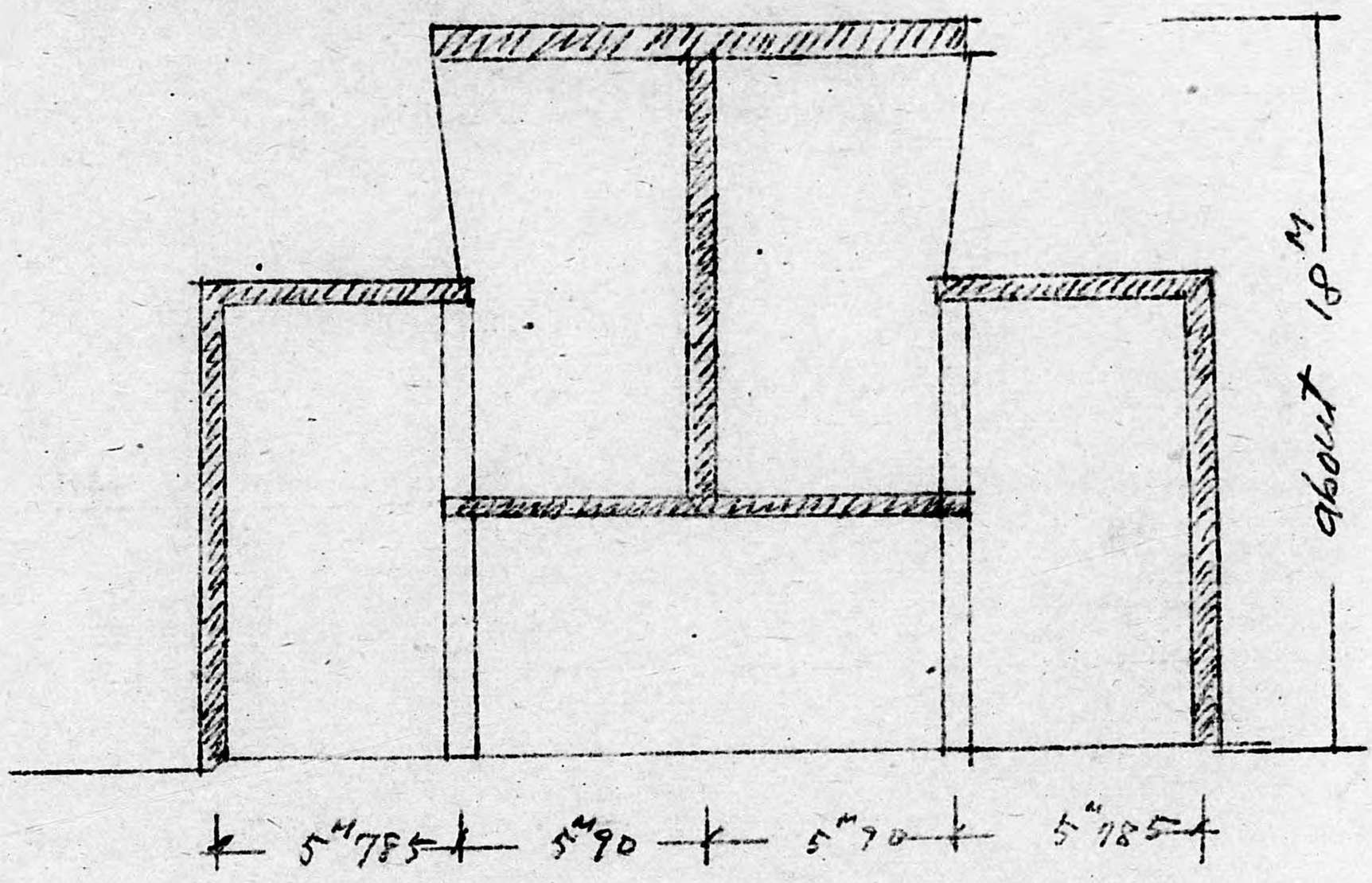




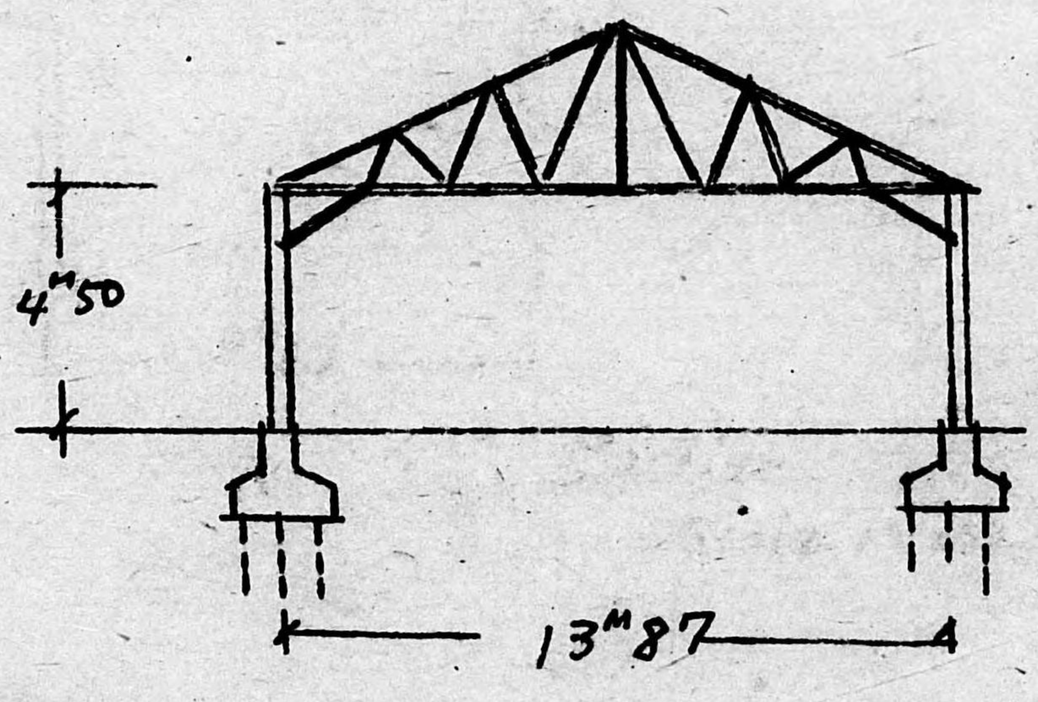
Section
Scale 1:200

34 Running test room

Section
scale 1:200

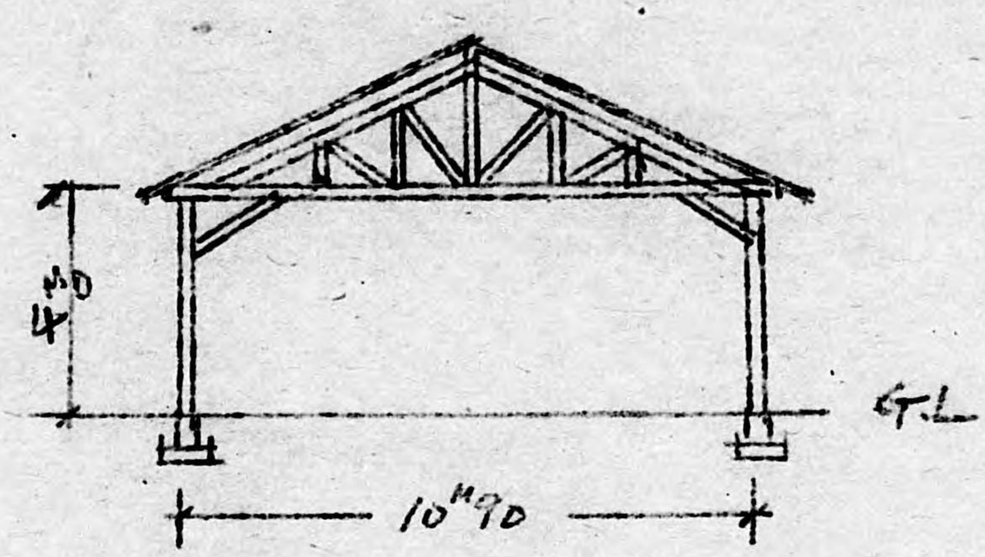


35 Laboratory



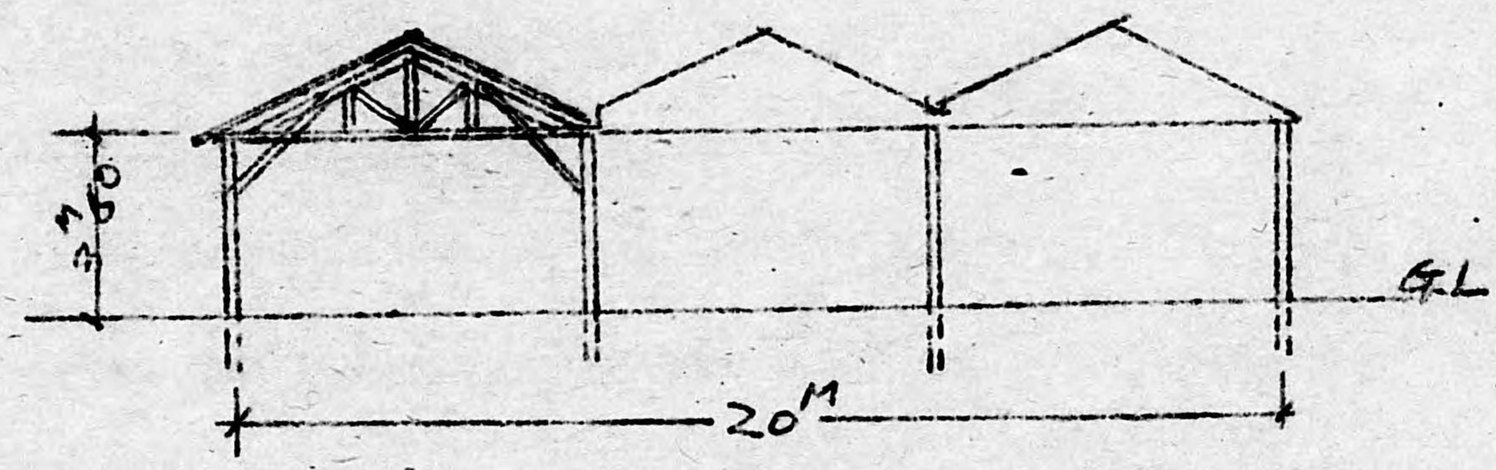
Section
1:200

36.37 Wooden Pattern Shop



Section
Scale 1:200

38 Storage



Section
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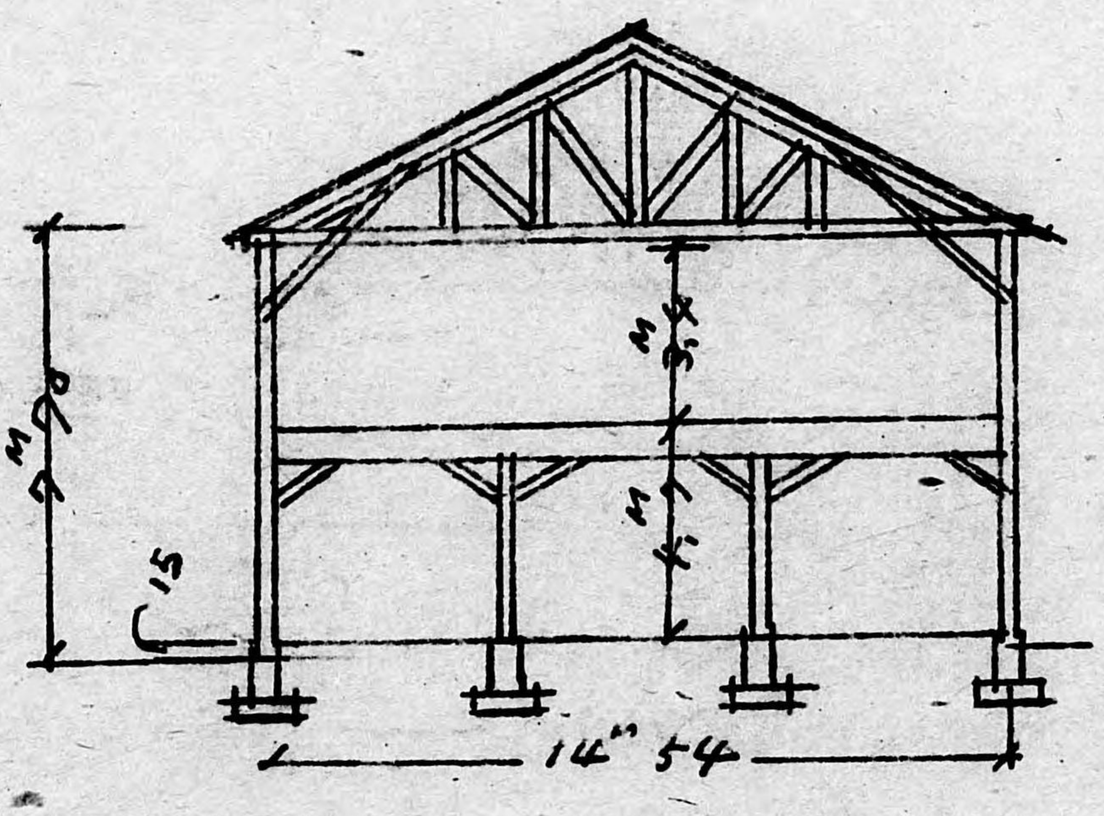
39. Straage



Section
Scale 1:200

4 The List of Buildings at Atsuta Plant

All of the papers and records on buildings being burned by air raids, the following lists were mainly drawn up from memory.

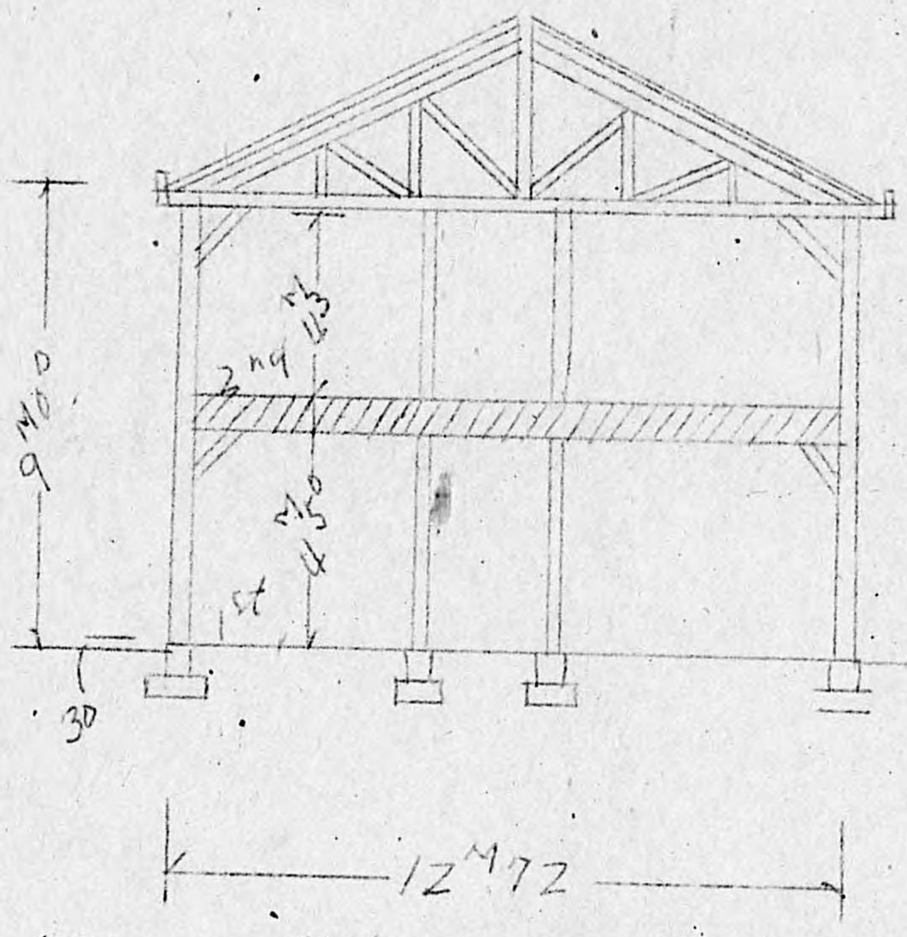
No. of Bldg.	Function of Buildings	Description	No. of story	Area of Buildings sq.M Area of each floors		Total area of floor	Damages caused by air raid
1	Main Office	Wooden building on concrete foundation 12M72X40M00	2	1st 2nd	659.43 607.20	1,266.63	Burnet up by air raid on June 9th 1945
2	Main Office	" 12M72X34M54	2	1st 2nd Base-ment	650.10 633.60 666.60	1,950.30	"
3	Guardmen's Room	" 5M15X14M54	1		74.77	74.77	"
4	Office	" 10M80X46M70	2	1st 2nd	504.90 504.90	1,009.80	"
5	Storage	" 12M72X50M22	1		638.71	638.71	Completely destroyed by air raid on June 9th 1945
6	Casting shop (light alloy only)	Steel framed structure on concrete foundation 49M134X74M77	1	1st Base-ment	3709.20 41.91	3751.11	Destroyed beyond repair by bomb on June 9th 1945
7	Branch of finishing shop	Wooden building on concrete foundation 25M45X25M45	1		660.00	660.00	"
8	"	" 14M57X18M18	1		264.00	264.00	"
9	Storage	" 10MX11M	1		115.50	115.50	"
10	Material Laboratory	" 14M54X45M45	1		653.40	653.40	Burnett up by air raid on Mar. 19th 1945
11	"	" 26MX11M50	1		394.35	394.35	"

No. of Bldg.	Function of Buildings	Description	No. of story	Area of Buildings sq.M: Area of each floors	Area of Buildings sq.M: Total area of floor	Dameges caused by air raid
12	Storage	Wooden building 15M x 19M90	1	297.00	297.00	Burnet up by air raid on Mar. 19th 1945
13	Packing house	〃 9M090x54M54	1	495.00	495.00	〃
14	Storage	〃 15M15 X 18M18	1	203.44	203.44	Burnet up by air raid on June 9th 1945
15	Branch of Finishing shop	Wooden building on concrete foundation 12M76x18M18	1	264.00	264.00	〃
16	Gas governer house	〃 3M78X 10M80	1	38.47	38.47	〃
17	Machine shop	Steel framed structure on concrete foundation 72M88x ~~16M17~~ 17M85	1	1st 11,899.76 Meggazine 795.90	12,695.66	The southern part of structure was destroyed by earthquake on Dec. 7th 1944, and almost all of the remaning part was destroyed beyond repair by air raid on June 9th 1945
18	Branch of Finishing shop	〃 18M18.X15M75	1	261.42	261.42	Destroyed by earthquake on Dec. 7th 1944
19	〃	Wooden building on concrete foundation 7M57x 19M09	1	216.97	216.97	Destroyed by bomb, beyond repair on June 9th 1945
20	〃	〃 9M09x22M72	1	233.47	233.47	〃
21	Storage	The southern part was constructed with steel frame and the remain is wooden building 32M96X36M50	2	1st 1,198.82 2nd 1,198.82	2,397.64	Destroyed by bomb, but repairable on June 9th 1945
22	Heat treatment shop	Steel framed structure on concrete foundation 59M99x9M26	1	1st 4024.71 Basement 39.61	4064.31	〃

No. of Bldg	Function of Building	Description	No. of Story	Area of Buildings sq.M: Area of each floors	Area of Buildings sq.M: Total of area of floor	Damages caused by air raid
23	Finishing shop	Steel framed structure on concrete foundation 36M62x69M16	1	2441.20	2441.20	destroyed beyond repair by earthquake on Dec. 7th 1944
24	Air compresser chamber	Wooden building on concrete foundation 5M45x13M63.	1	74.25	74.25	Completely destroyed by earthquake on Dec. 7th 1944
25	Branch of Finishing shop	" 7M27x18M18	1	138.60	138.60	"
26	Drawing Room	" 9M09x29M09	2	1st 652.60 2nd 597.34	1249.94	destroyed by earthquake on Dec. 7th 1944 and air raid on June 7th 1945, but repairable
27	Electric power plant	Steel framed structure covered with reinforced concrete 9M41x11M60	1	108.83	108.83	Slightly damaged by bomb on June 9th 1945
28	Tool shop	Steel framed structure on concrete foundation 72M90x38M30	1	2786.75	2786.75	Destroyed by bomb, but repairable on June 9th 1945
29	Assembling shop	" 72M90x38M30	1	2786.75	2786.75	Slightly damaged by bomb on June 9th 1945
30	Steam heating plant	" 11M20x17M15	1	180.52	180.52	Destroyed beyond repair by earthquake on Dec. 7th 1944
31	Laboratory	Wooden building on concrete foundation 9M09x50M90	1	524.70	524.70	Burnet up by air raid on Mar. 19th 1945
32	Running test room	" 7M27x10M90.	1	84.01	84.01	slightly dameged by earthquake on Dec. 7th 1944
33	Shop for experimental engine (machine, finishing and assembling)	Steel framed struction on concrete foundation 63M62x60M21 18M18x38M40	1	1st 4465.16 mezzanine 545.45	5010.61	the eastern part of the structure was burnet up by air raid on Mar. 19th 1945

No. of Budg	Function of Building	Description	No. of story	Area of Building sq.M: Area of each floor	Area of total floor	Damages caused by air raid
34	Running test room	Reinforced concrete construction 23M77x26M70	2	1st 640 25 2nd 200 30 mezzanine 250 00	1090 61	
35	Laboratory	Steel framed structure on concrete foundation 13M87x27M13	1	377 38	377 38	
36	No.1 Wooden. Pattern shop	Wooden building on concrete foundation 10M90x34M54	1	356 40	356 40	Burnet up by air raid on Mar. 19th 1945
37	No.2 Wooden Pattern shop	" 10M90x34M54	1	356 40	356 40	"
38	Storage	Wooden building 20Mx26M76	1	535 20	535 20	Slightly damaged by bomb on June 9th 1945
39	Storage	Wooden building on concrete foundation 14M54x31M81	2	1st 462 00 2nd 396 00	858 00	"
40	The other buildings (W.C. Toilet & small strage etc.)	Wooden building	1		1,129 60	Almost all of the buildings were destroyed or burnet up by air raid
	Total				52,035 70	

NO. 1 and NO. 2
Main office



Section Scale 1:200

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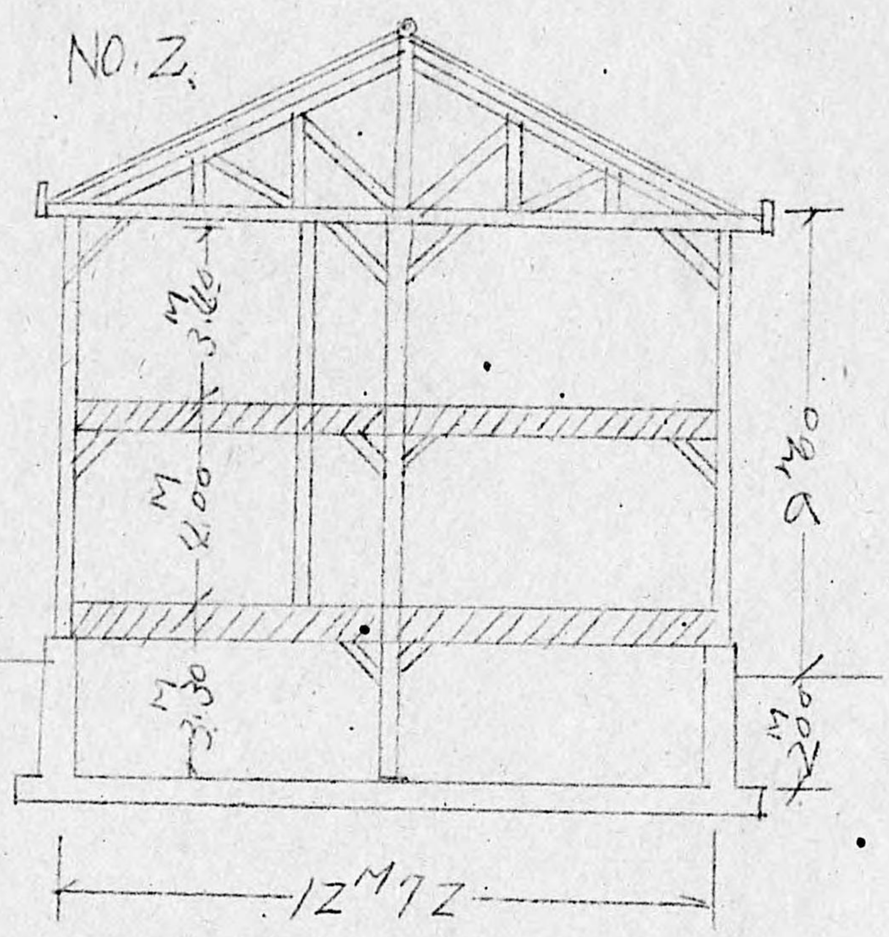

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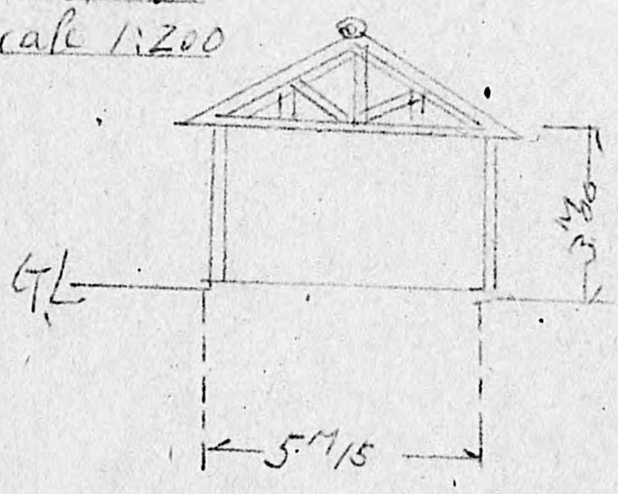
NO. 3 Guardmen's Room.

Section
Scale 1:200



NO. 4 Office

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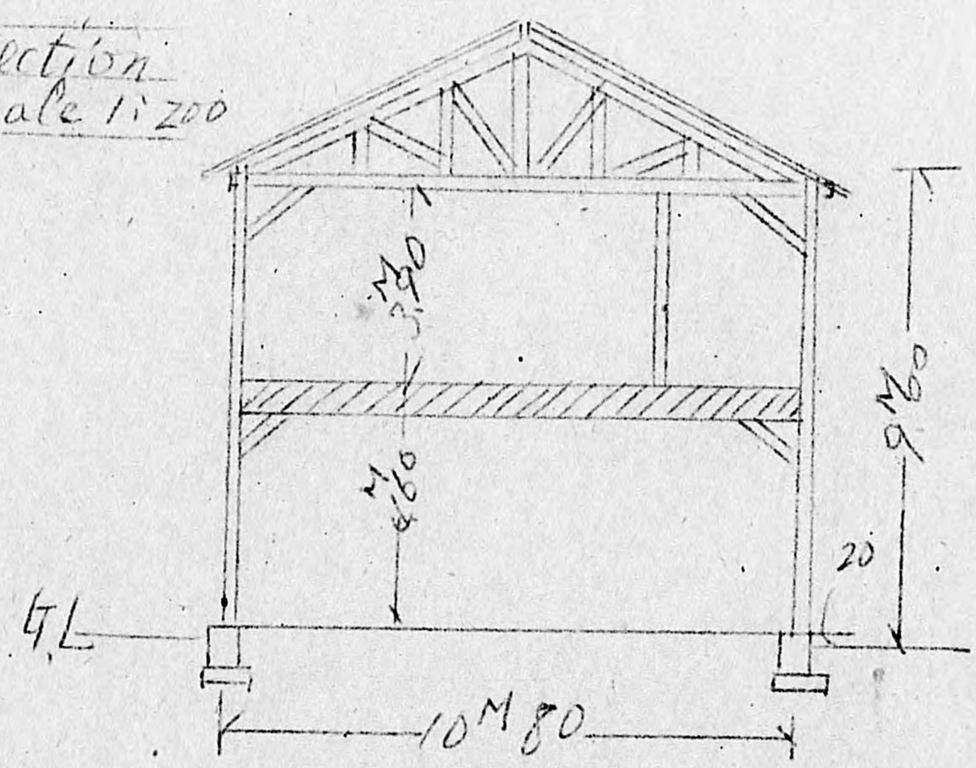

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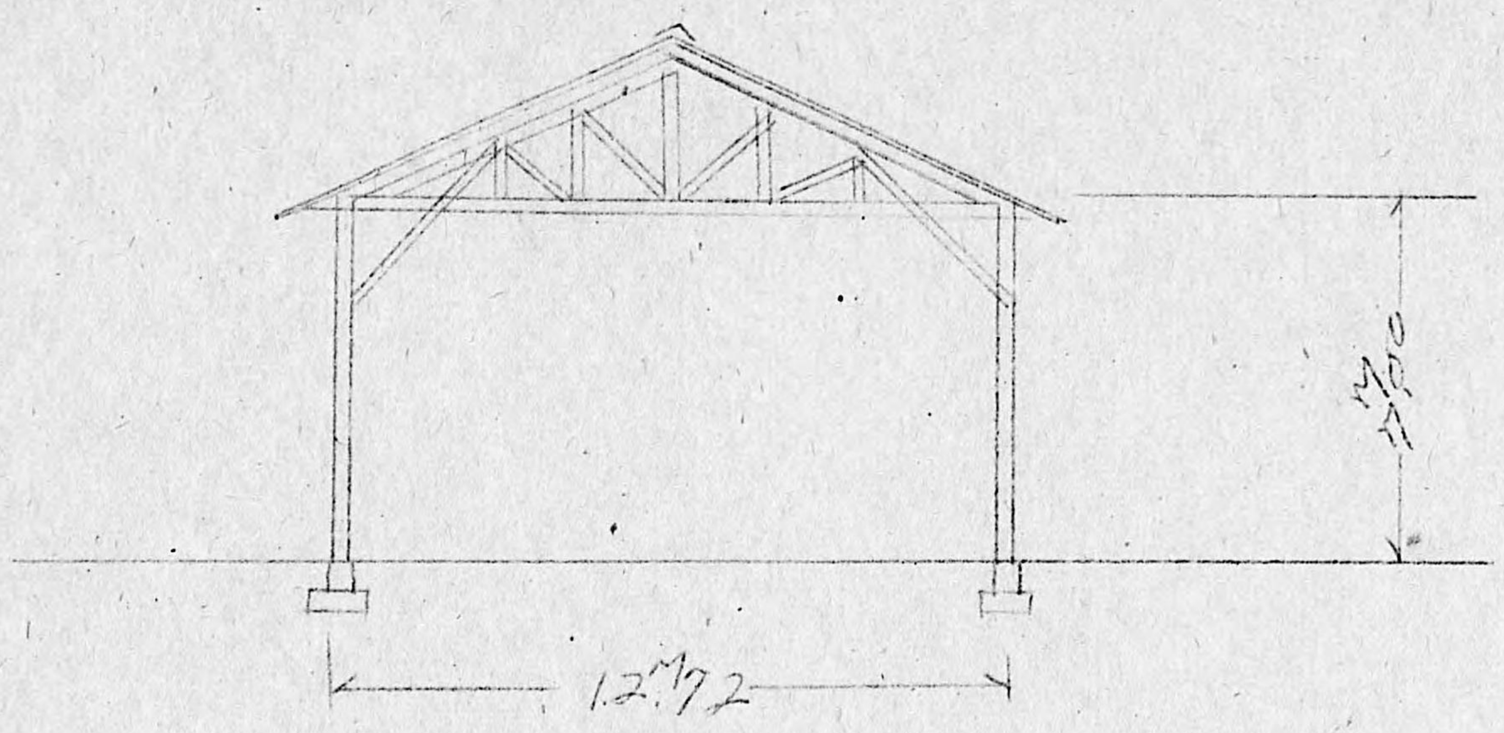

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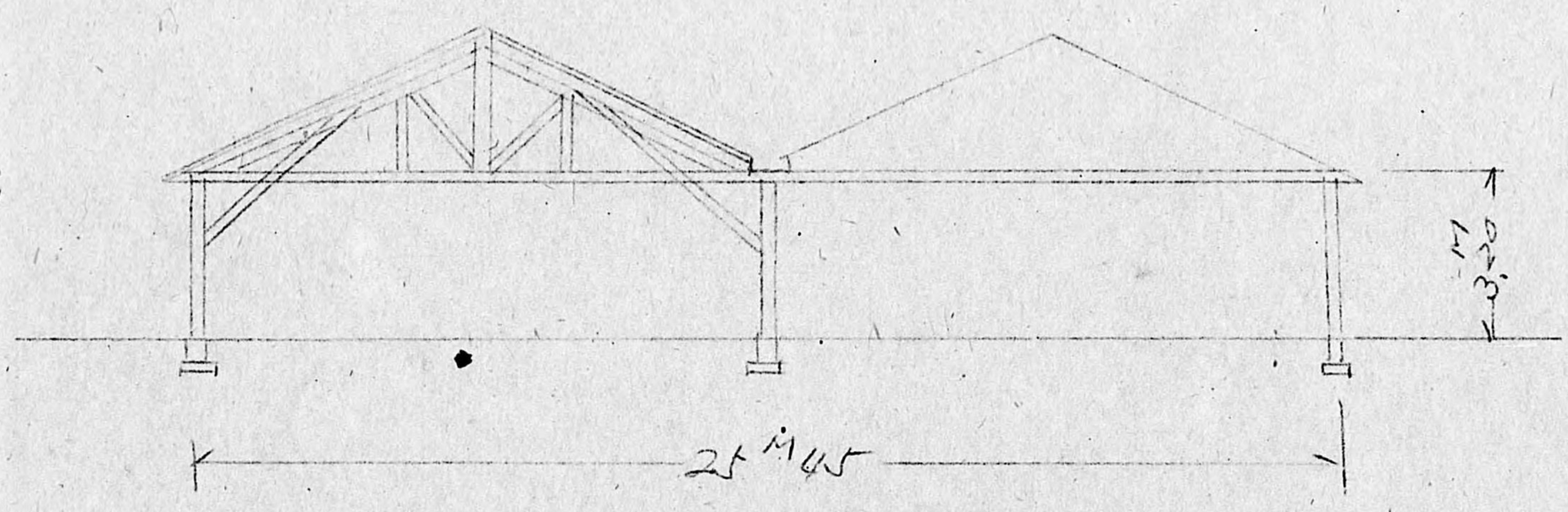
No.7 Branch of finishing shop



Section
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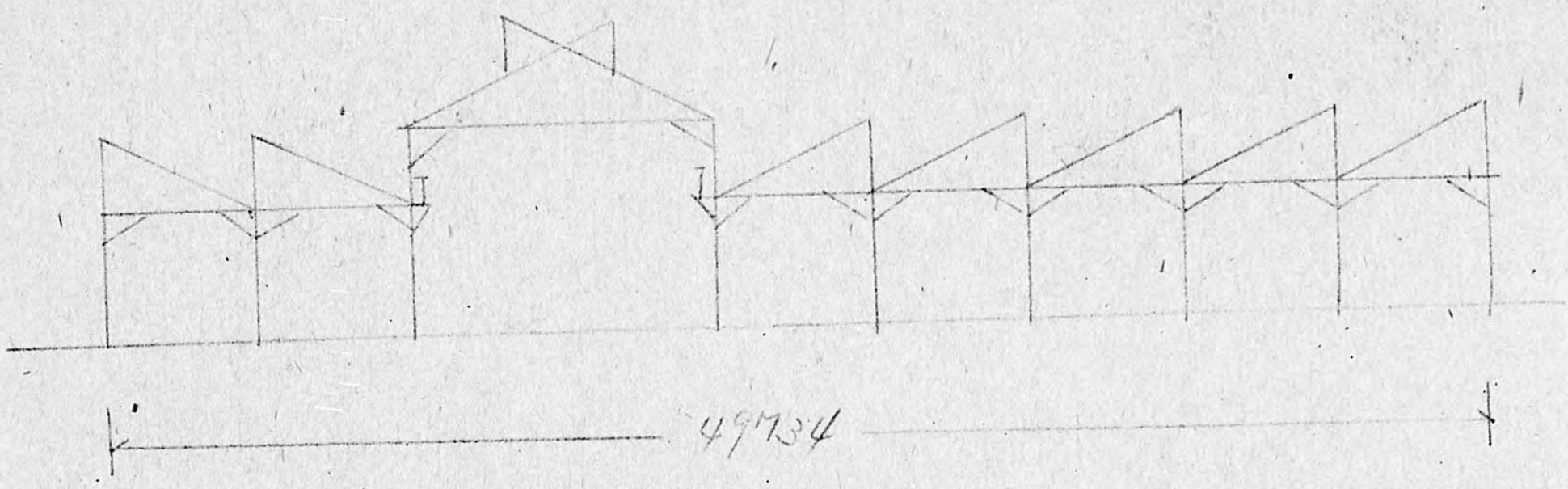
No. 6 Casting Shop



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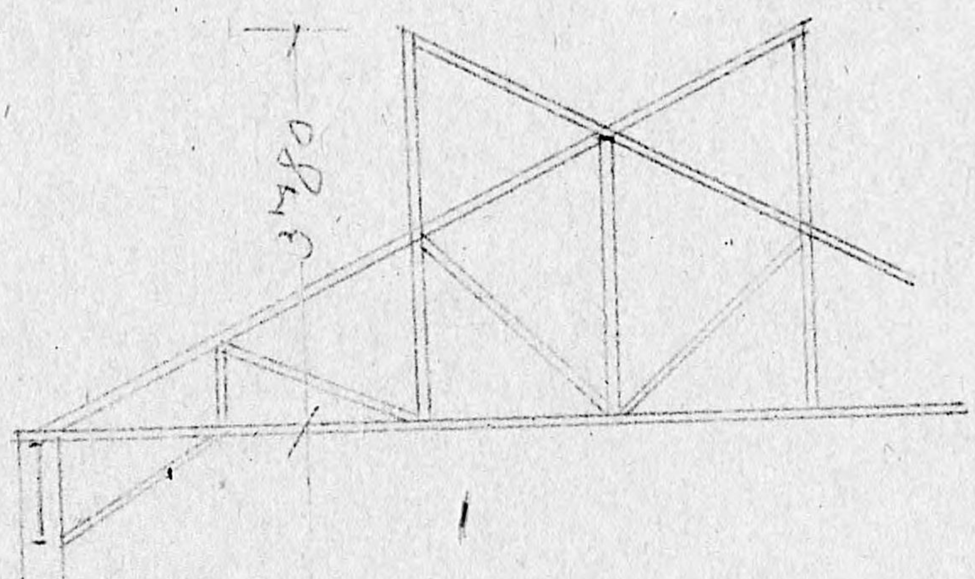
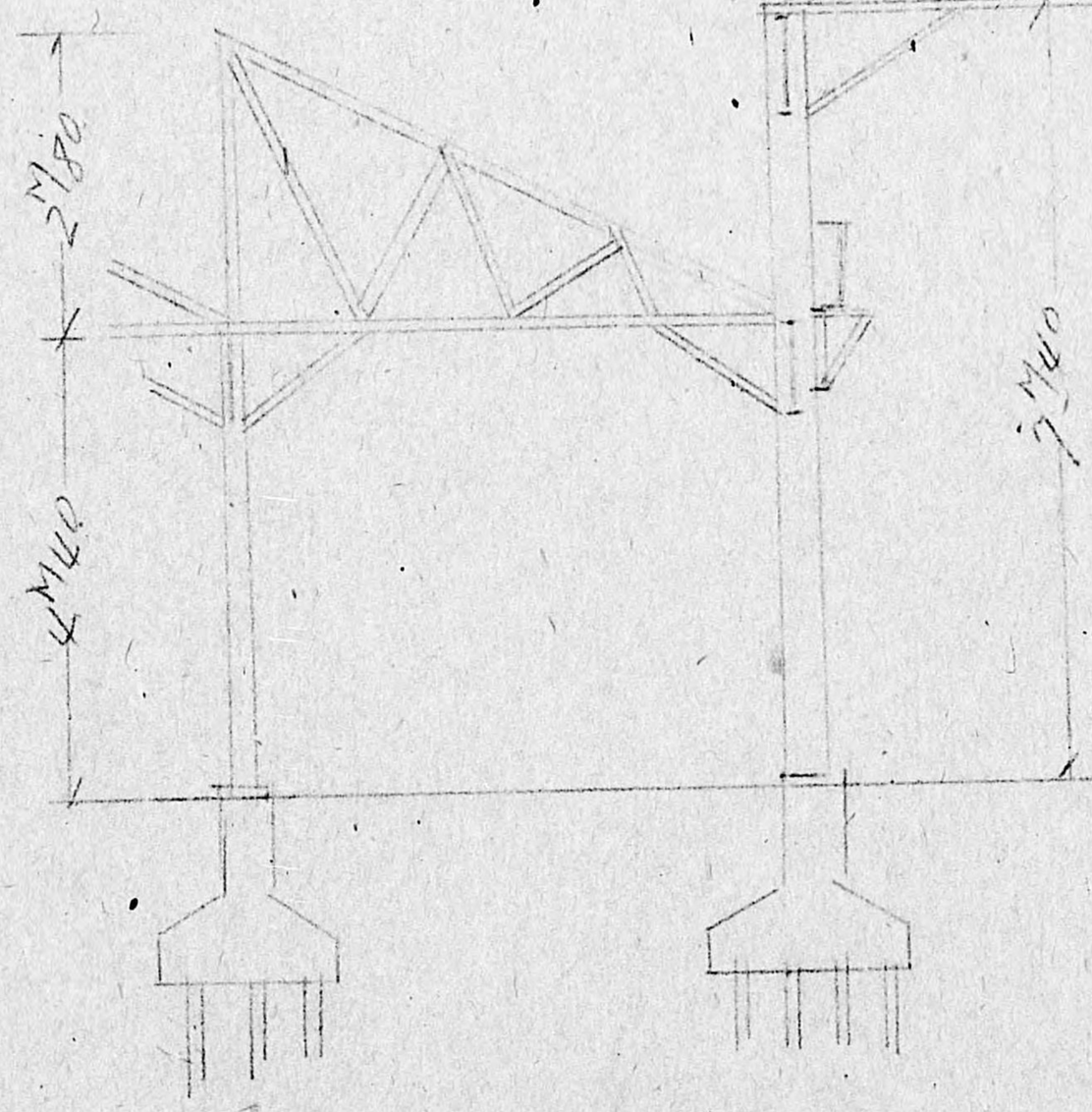
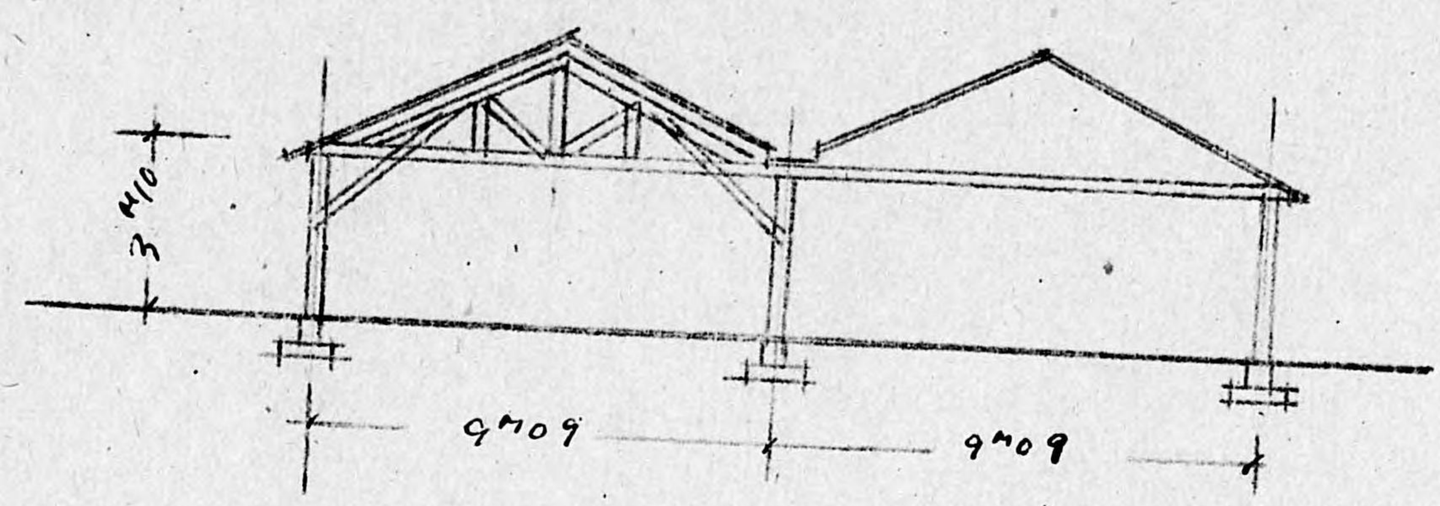




Detail
Scale 1:100

No. 8 Branch of Finishing Shop



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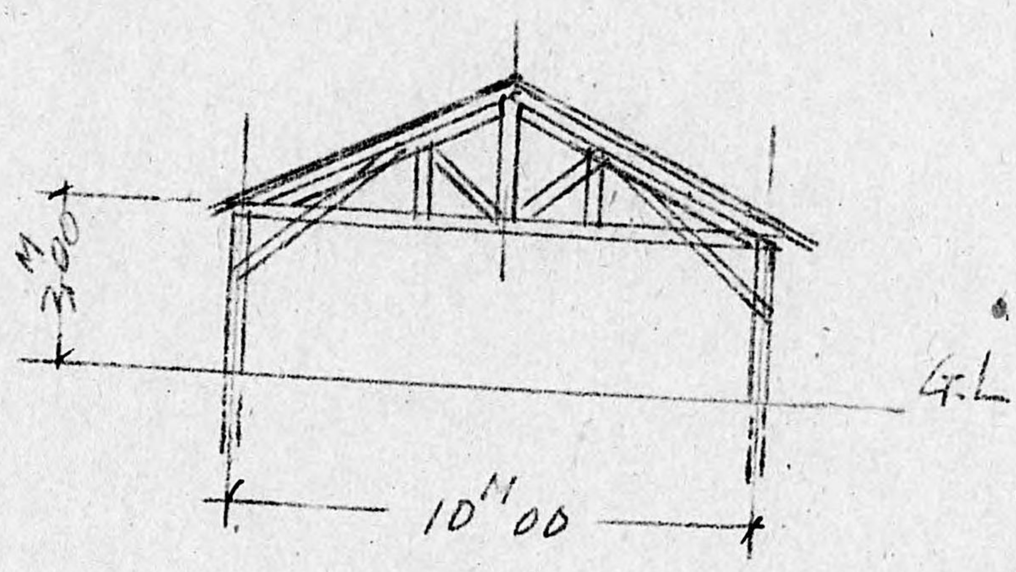
1:200

No. 9. Storage



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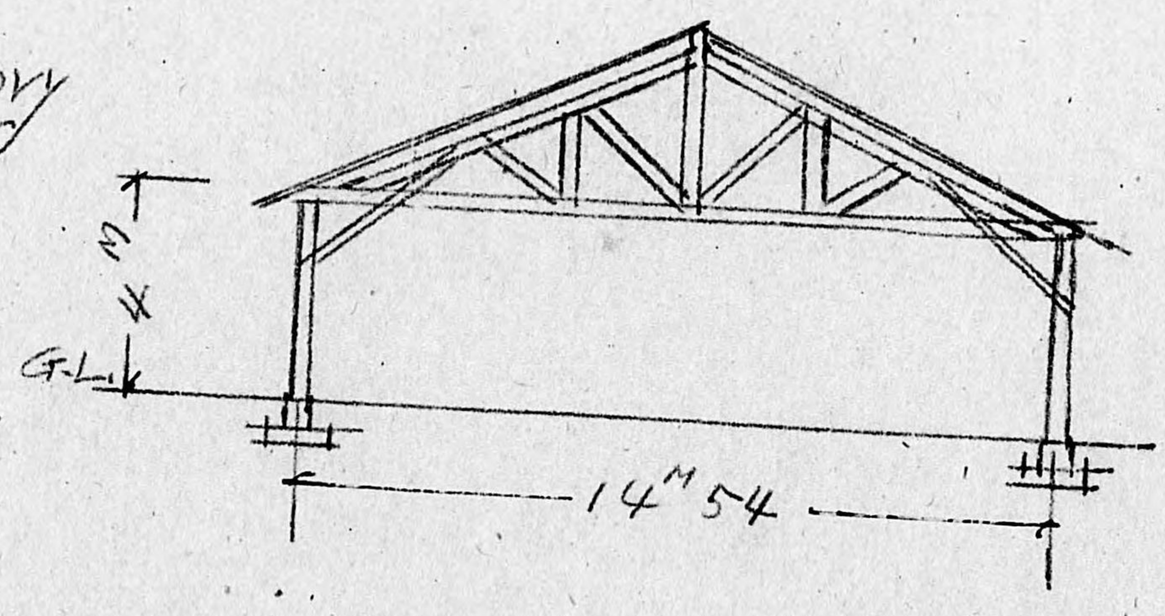
No. 10. Material Laboratory



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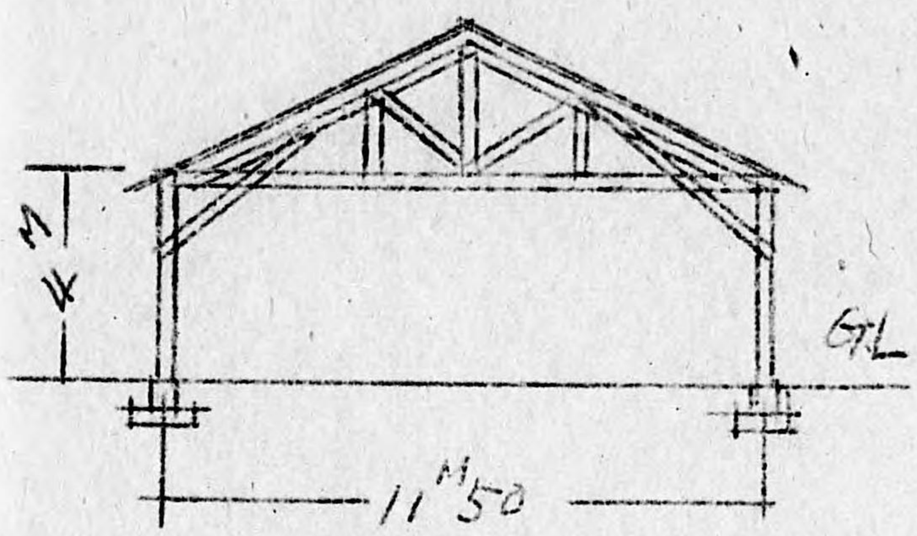
No. 11 Material laboratory



Section
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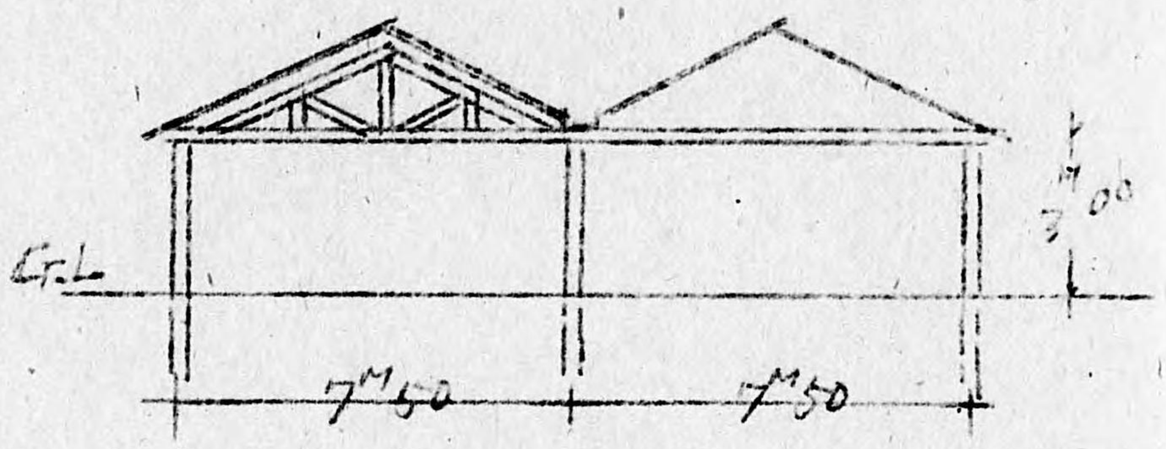
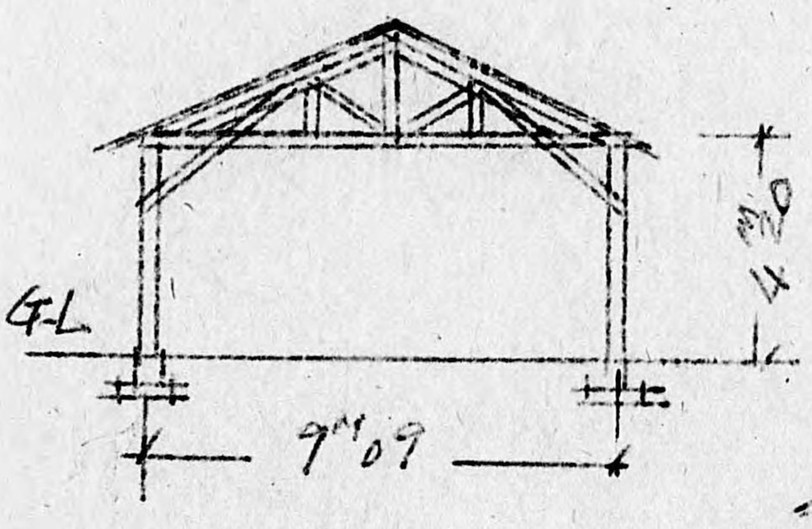
No. 12 Storage



Section
Scale 1:200

No. 13 Packing House



Section
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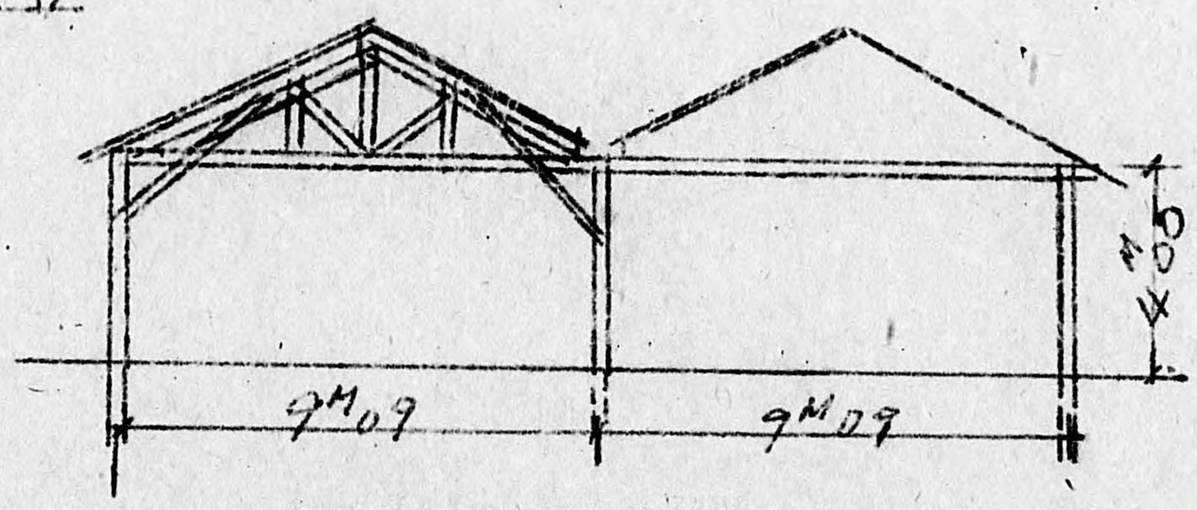
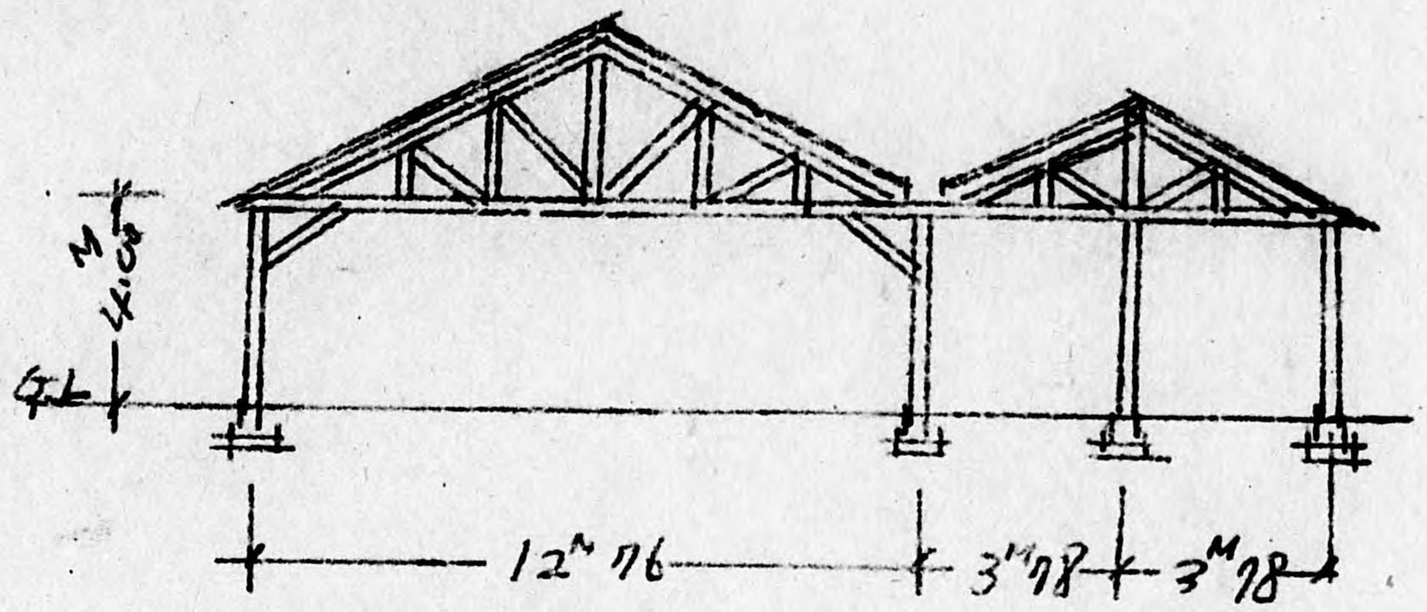
No. 14 Storage



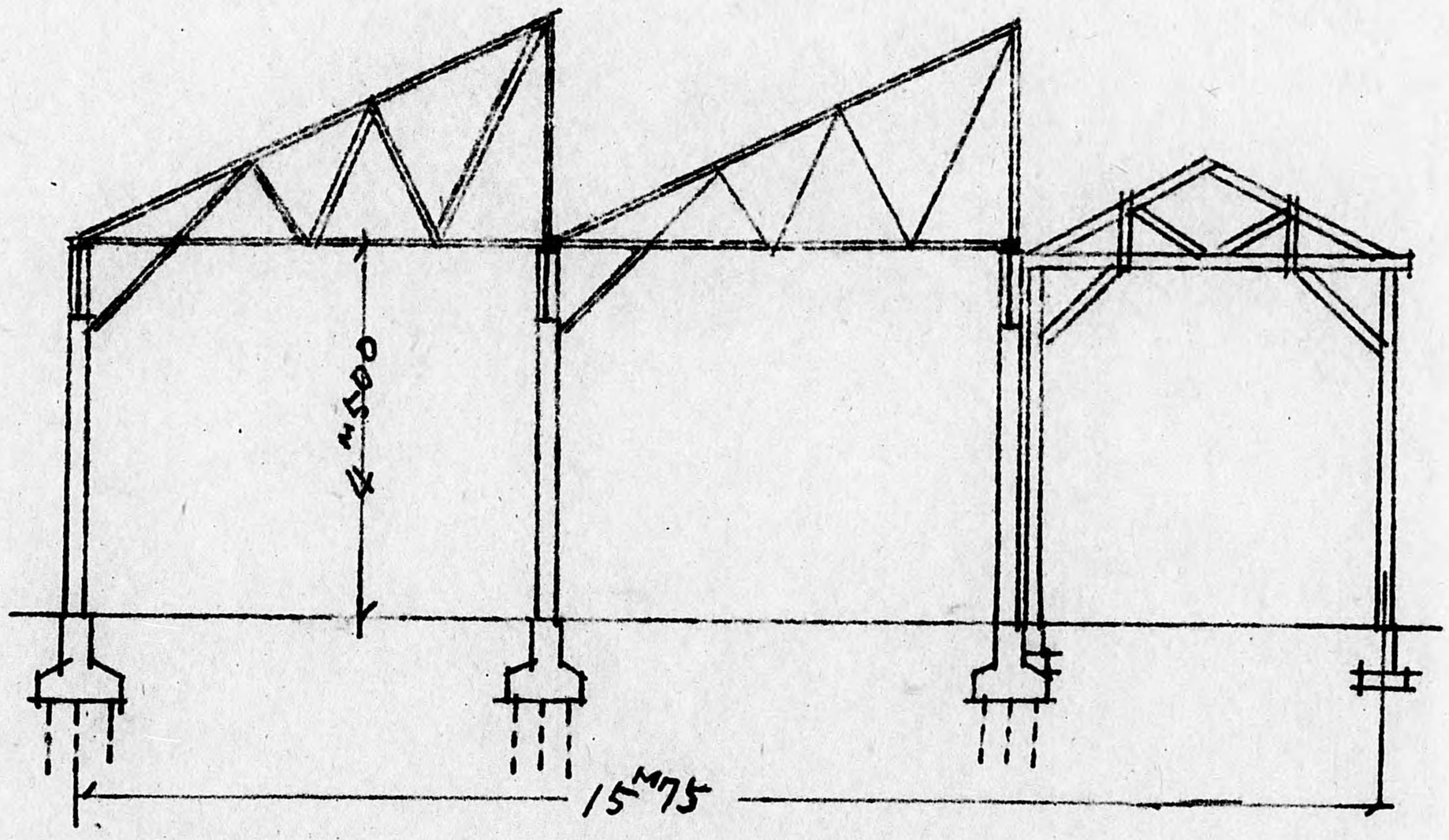
Section scale 1:200

15. Branch of finishing shop
16 Gas governer house



Section
Scale 1:200

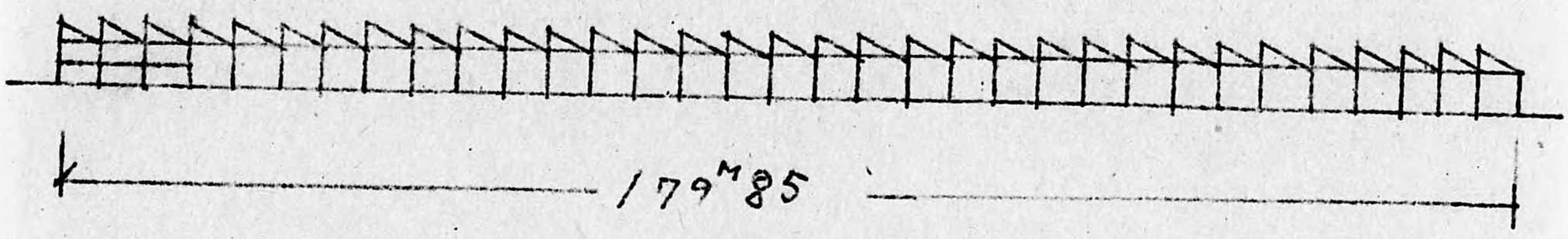
18. Branch of finishing shop

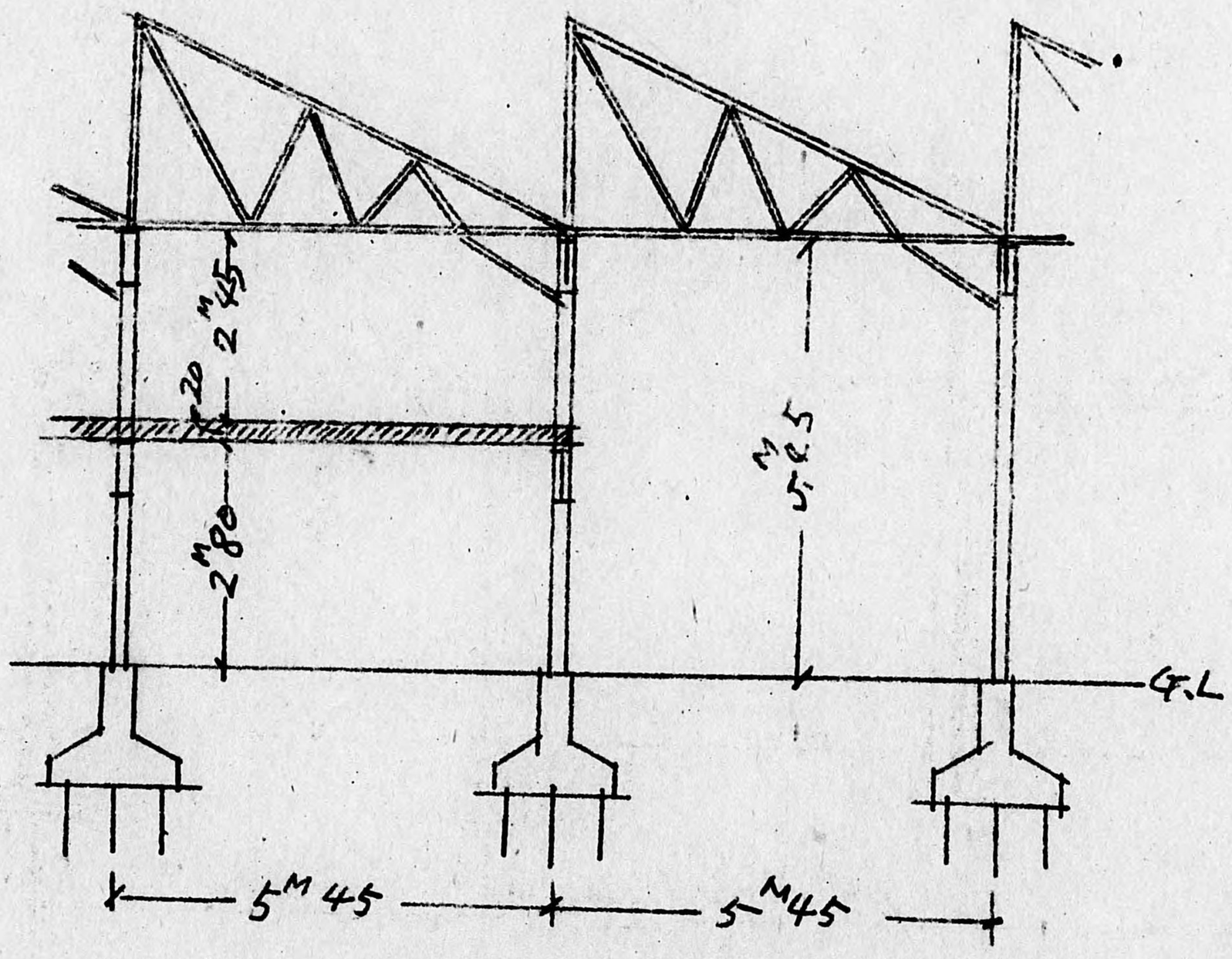


Section scale 1:200

17 Machine shop

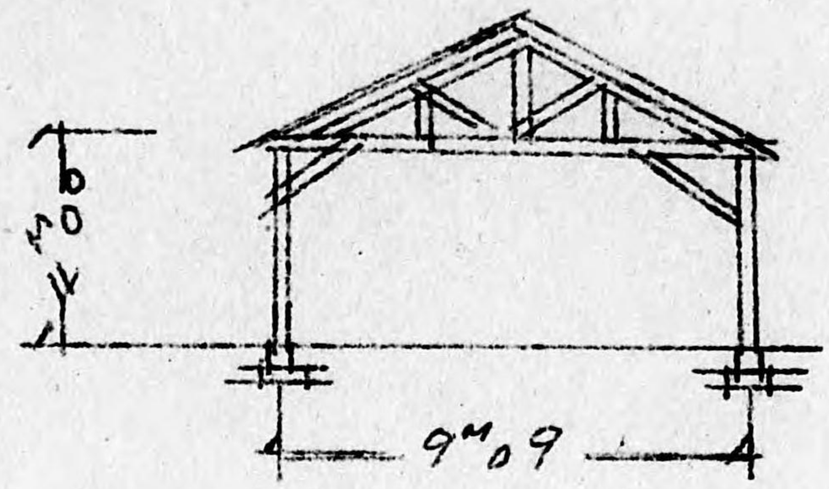
Section
scale 1=1000





Detail
Scale 1=100

19. 20. Branch of Finishing shop



Section

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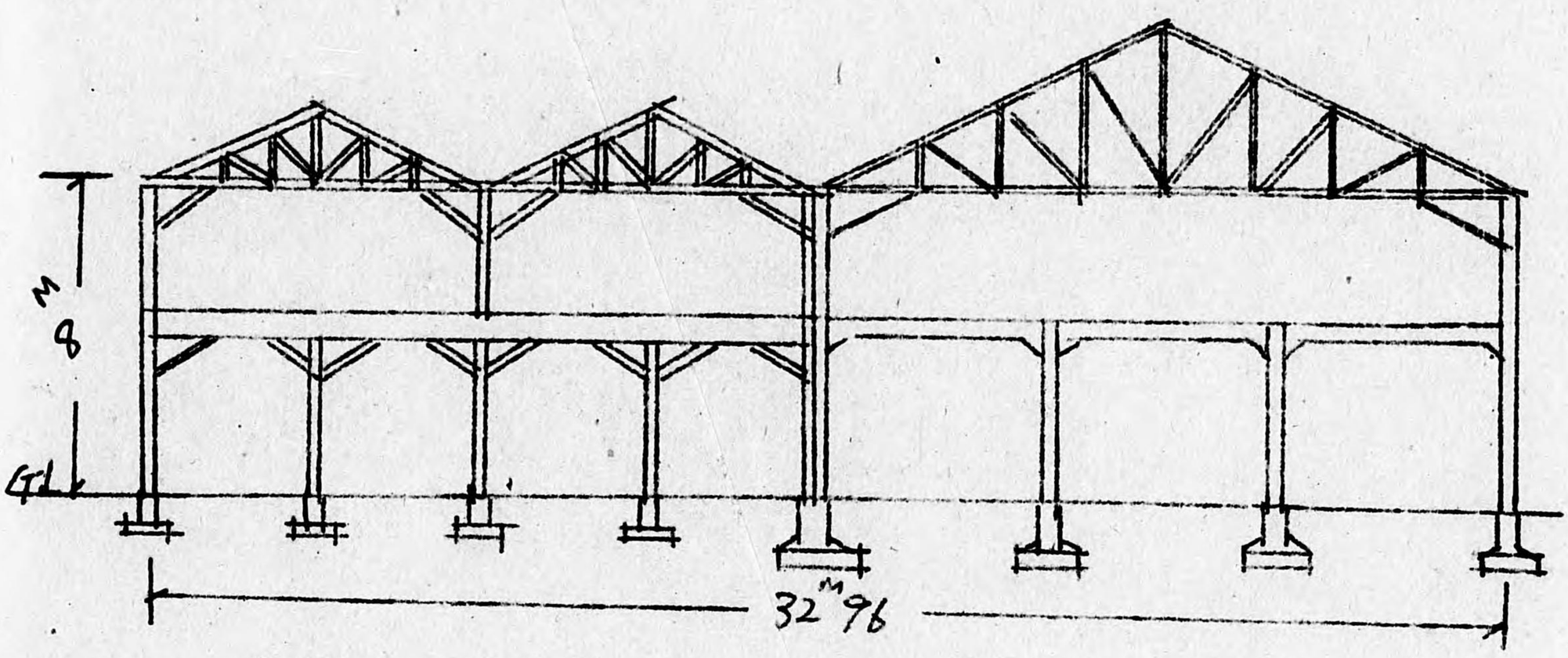
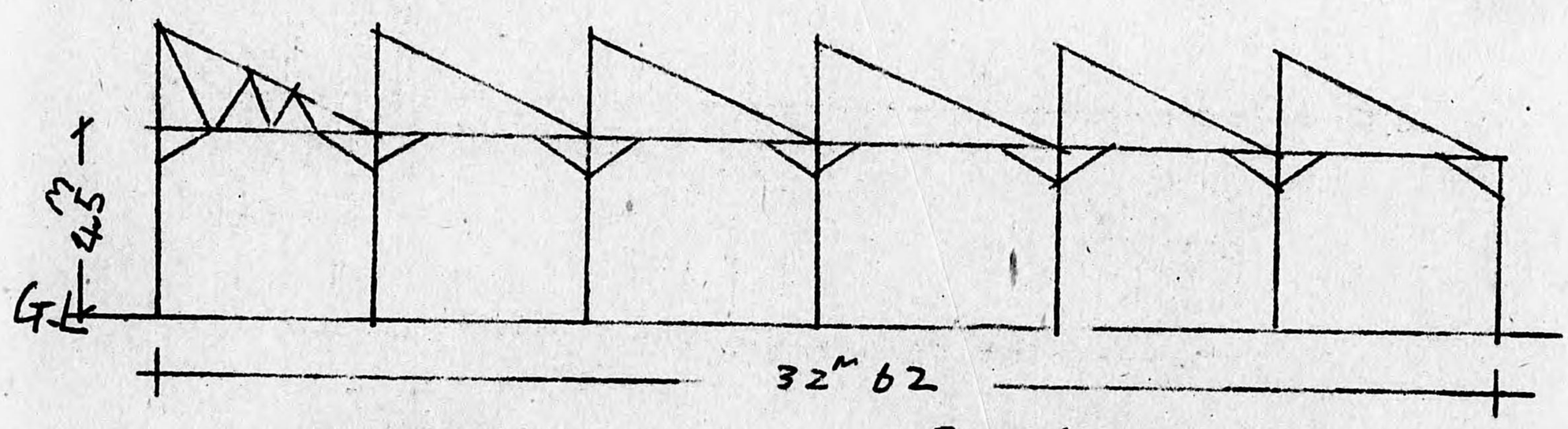


23. Finishing Shop



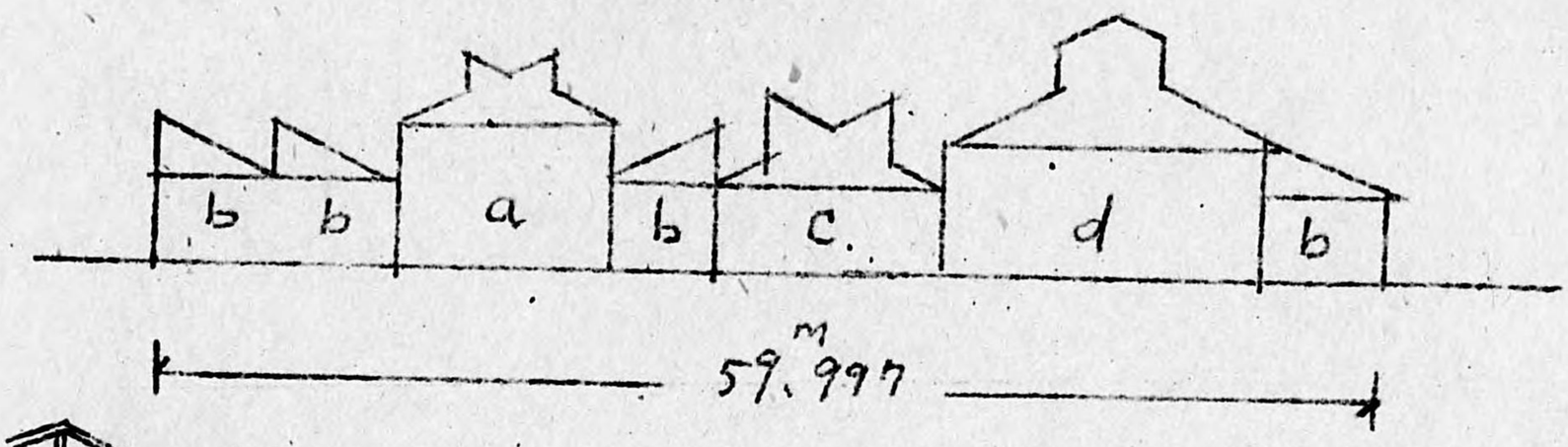
Section

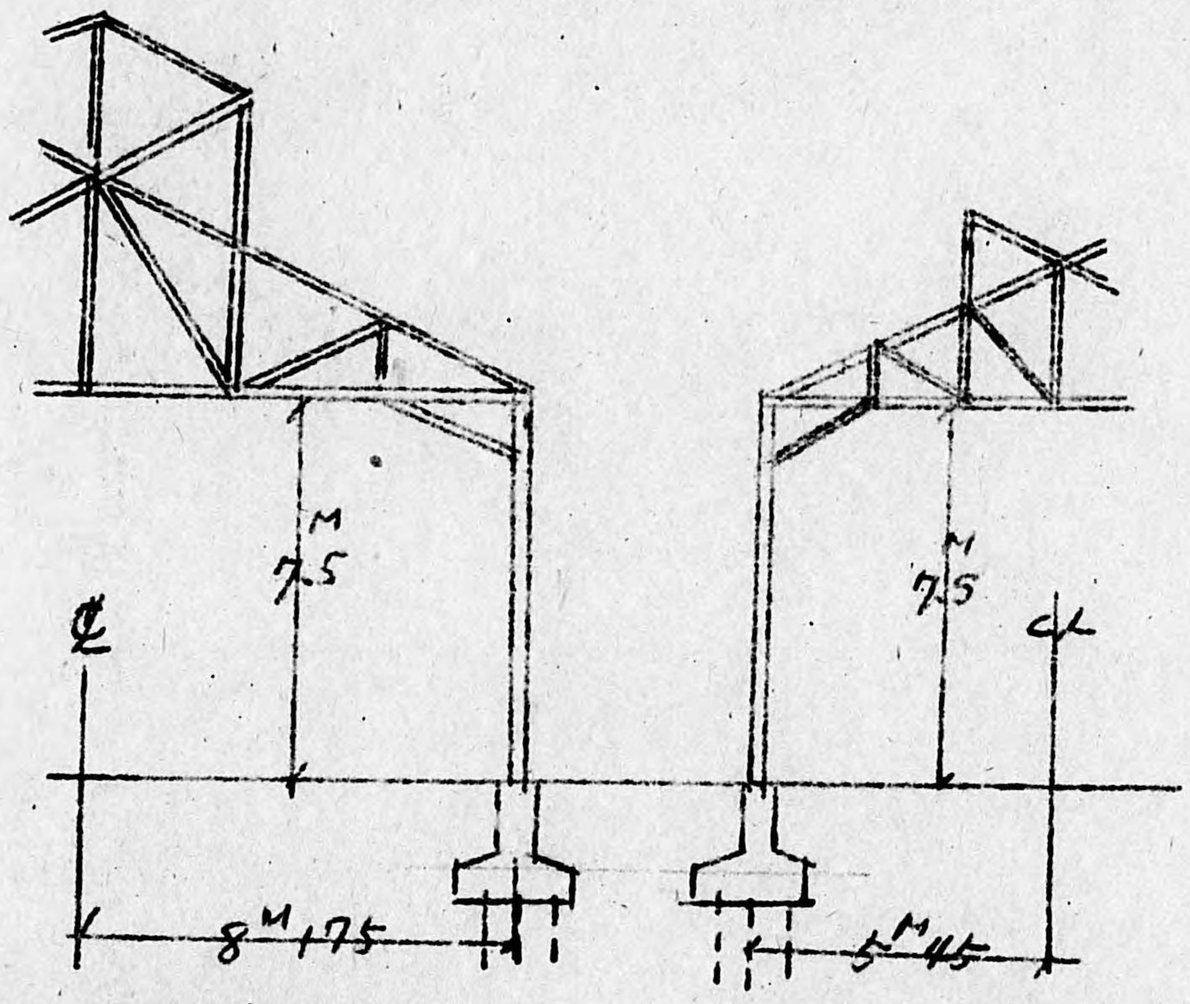
Scale 1:200

Remarks—
The detail of this structure is shown on the figure No. 28

22. Heat treatment shop

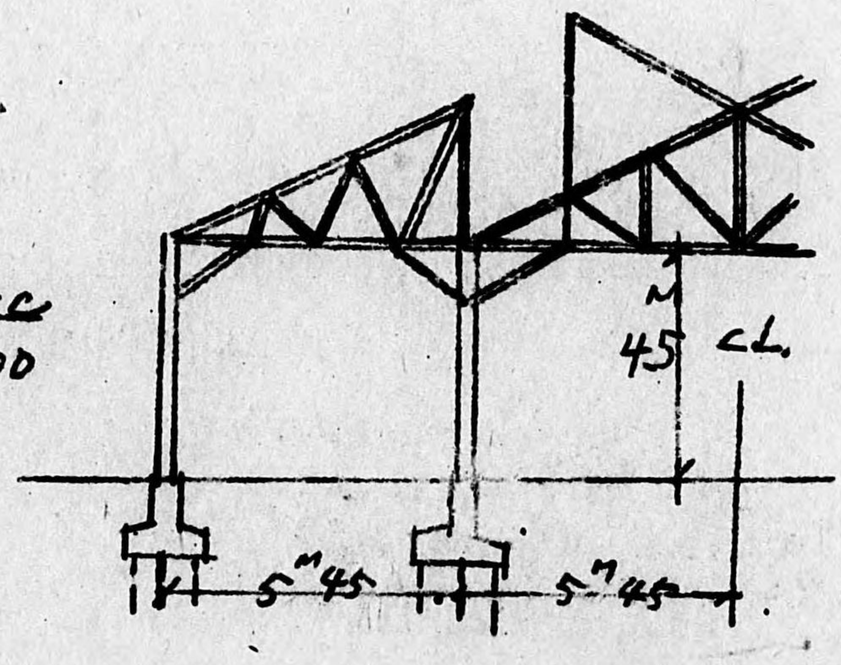
Section
Scale 1:500





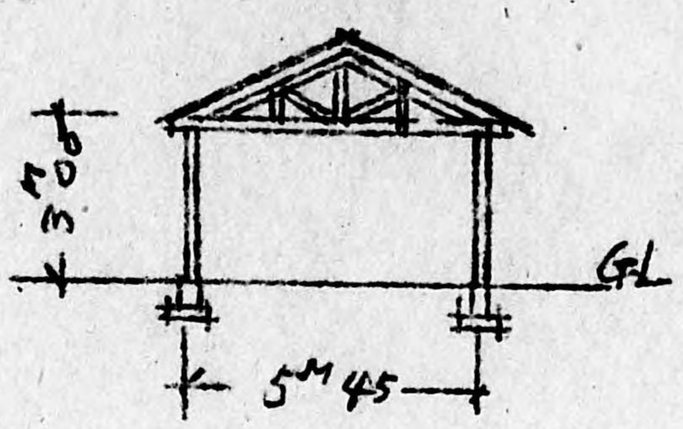
Detail of a
Scale 1:200

Detail of d
Scale 1:200

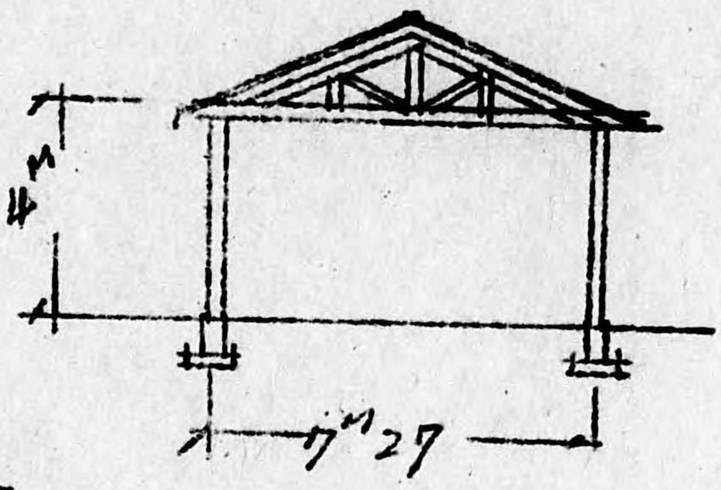


Detail of b & c
scale 1:200

24 Air compressor Chamber

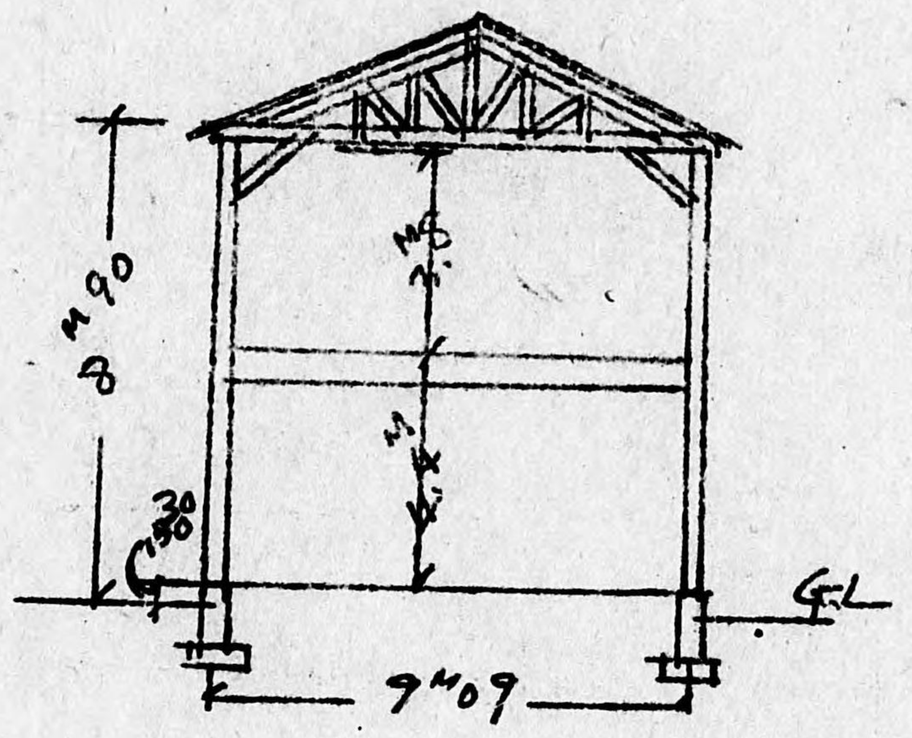


25, Branch of finishing shop

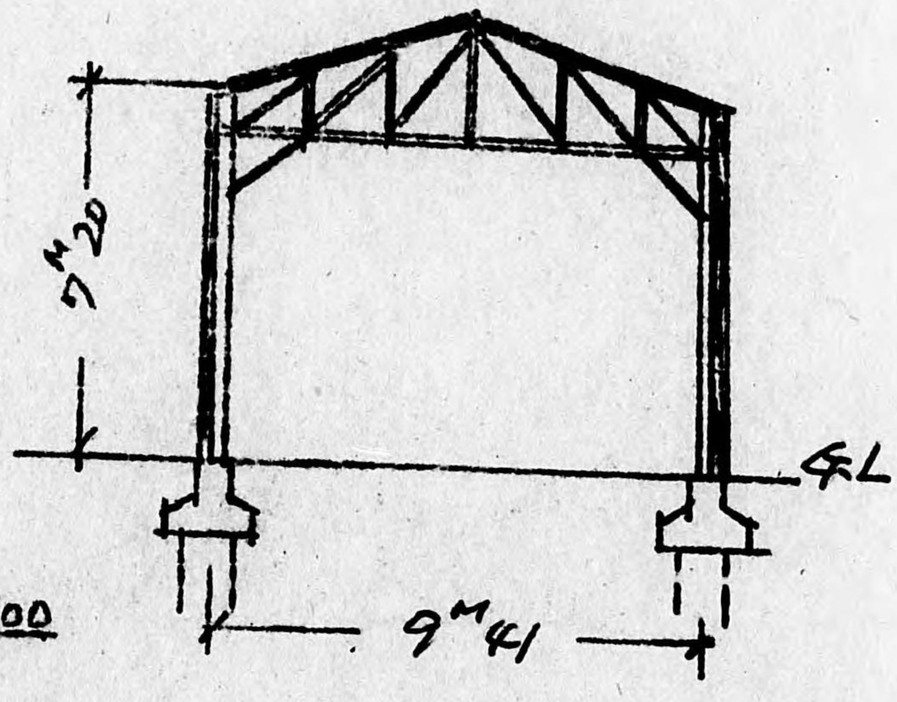


Section
Scale 1:200

26. Drawing Room

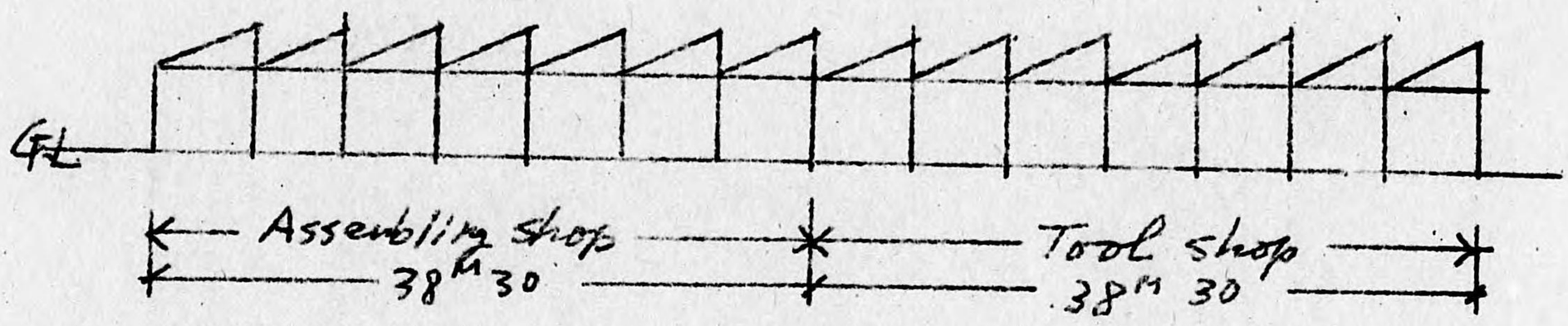


27. Electric power plant

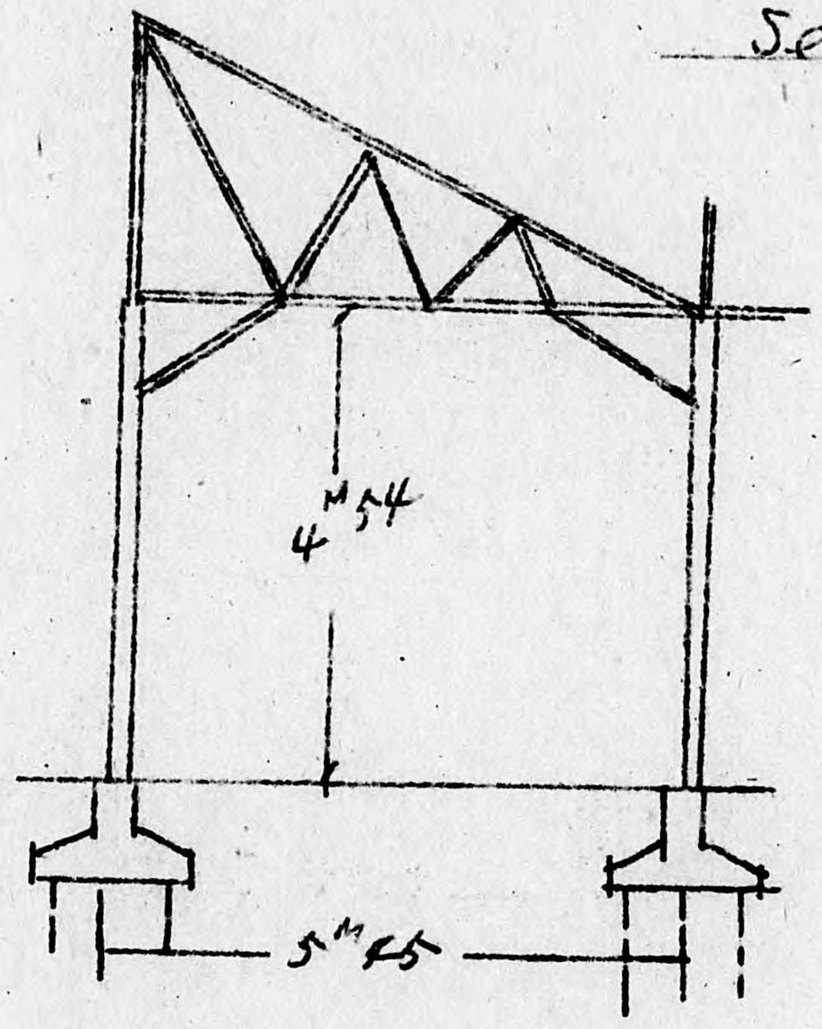


Section
Scale 1:200

28 Tool shop
29 Assembling shop



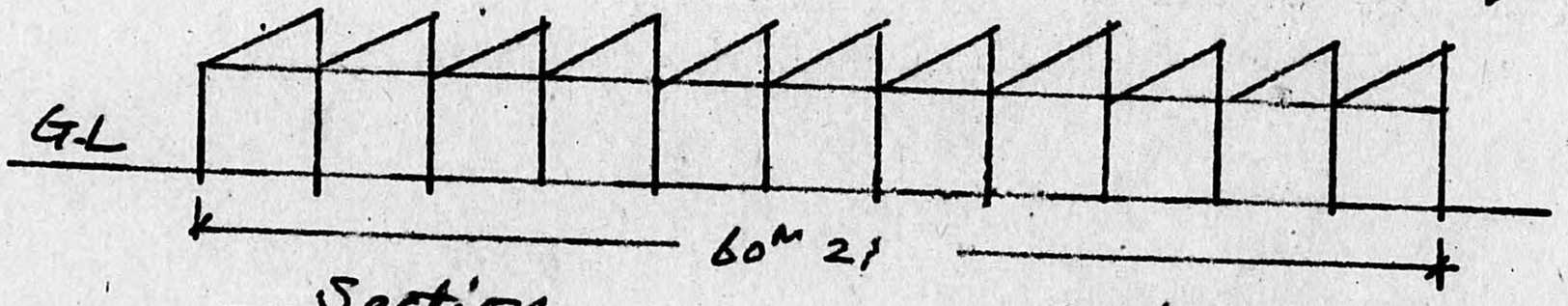
Section
Scale 1:500



Detail

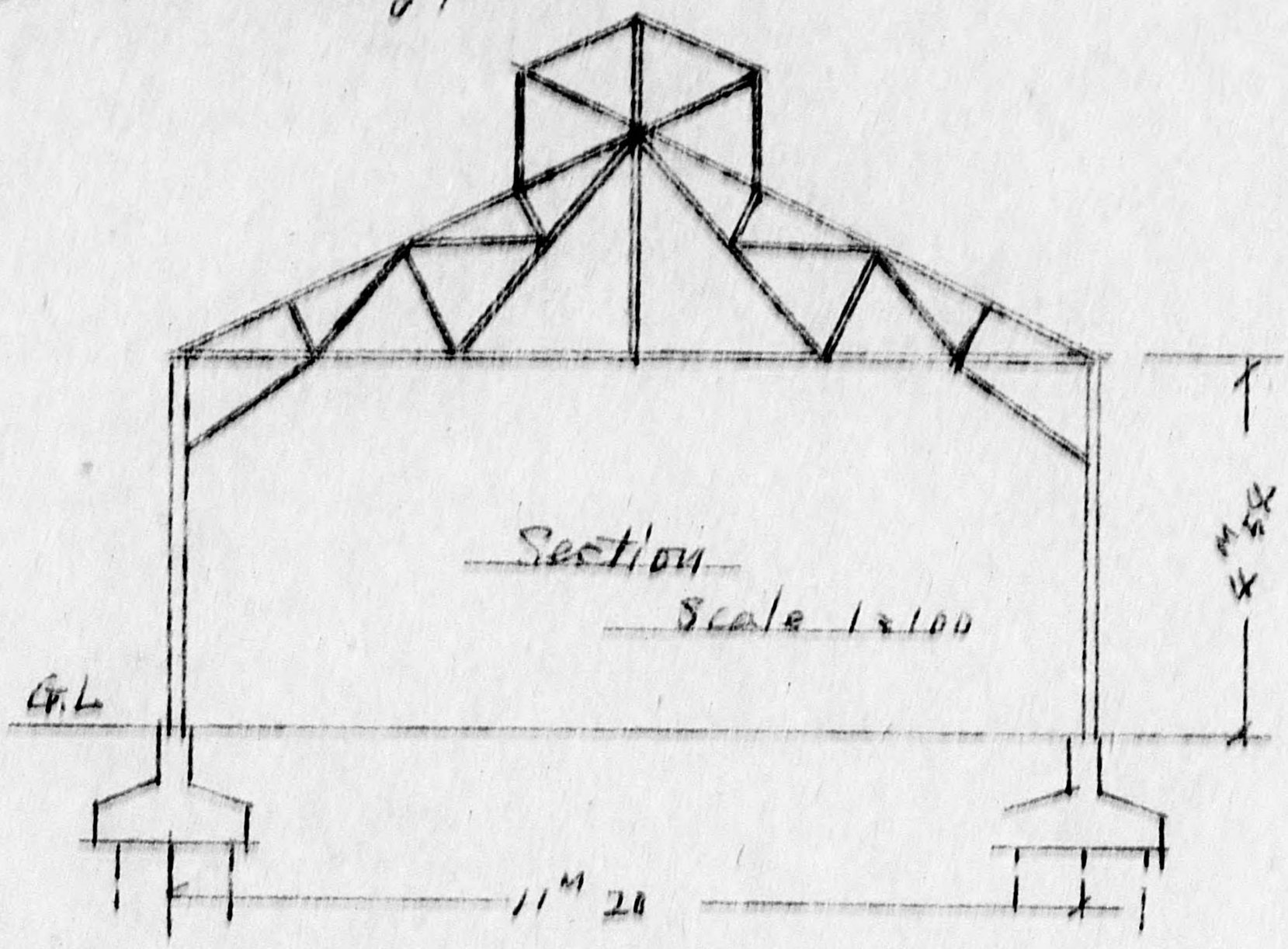
Scale 1:100

33 Shop for experimental engine (machine, finishing and assembling)



Section
Scale 1:500

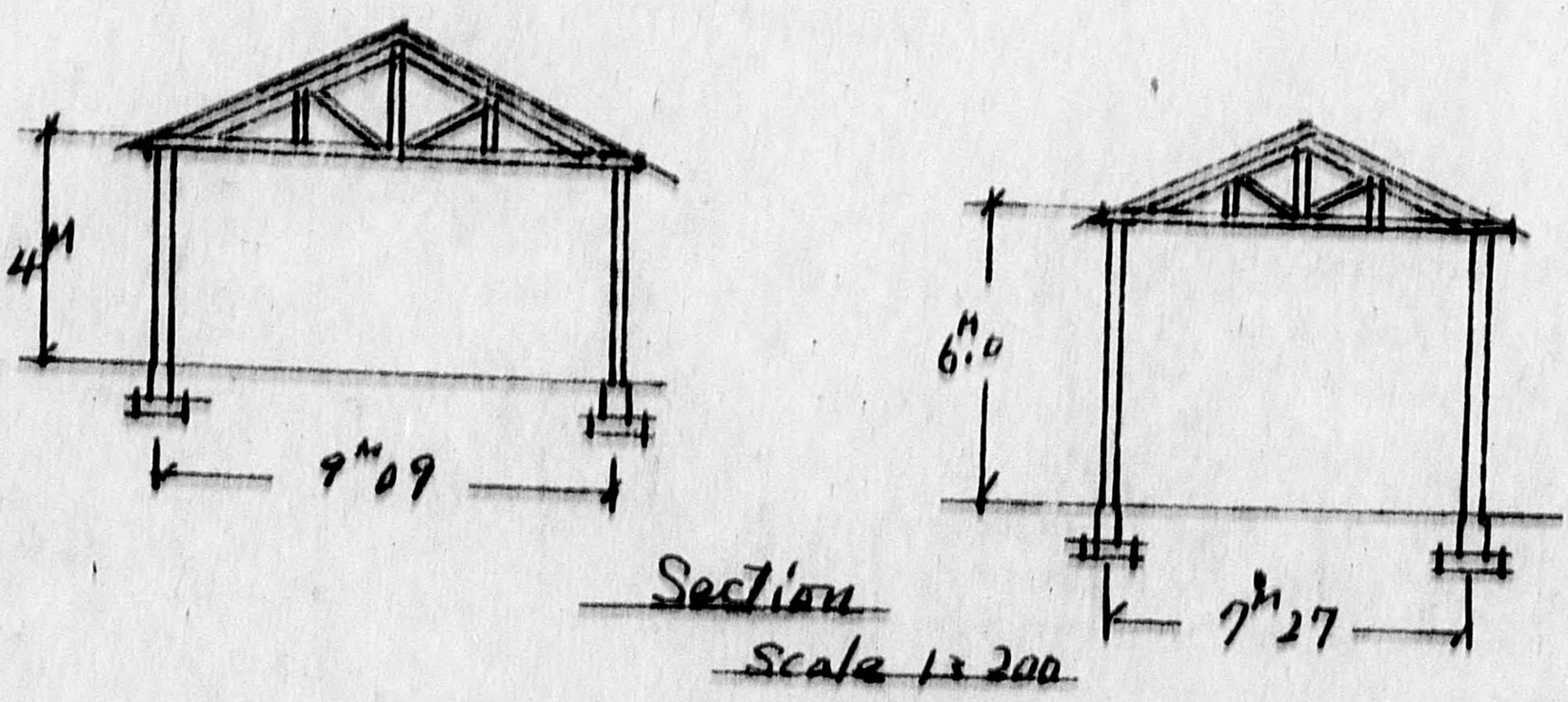
30 Steam heating plant



Section
Scale 1:100

31. Laboratory

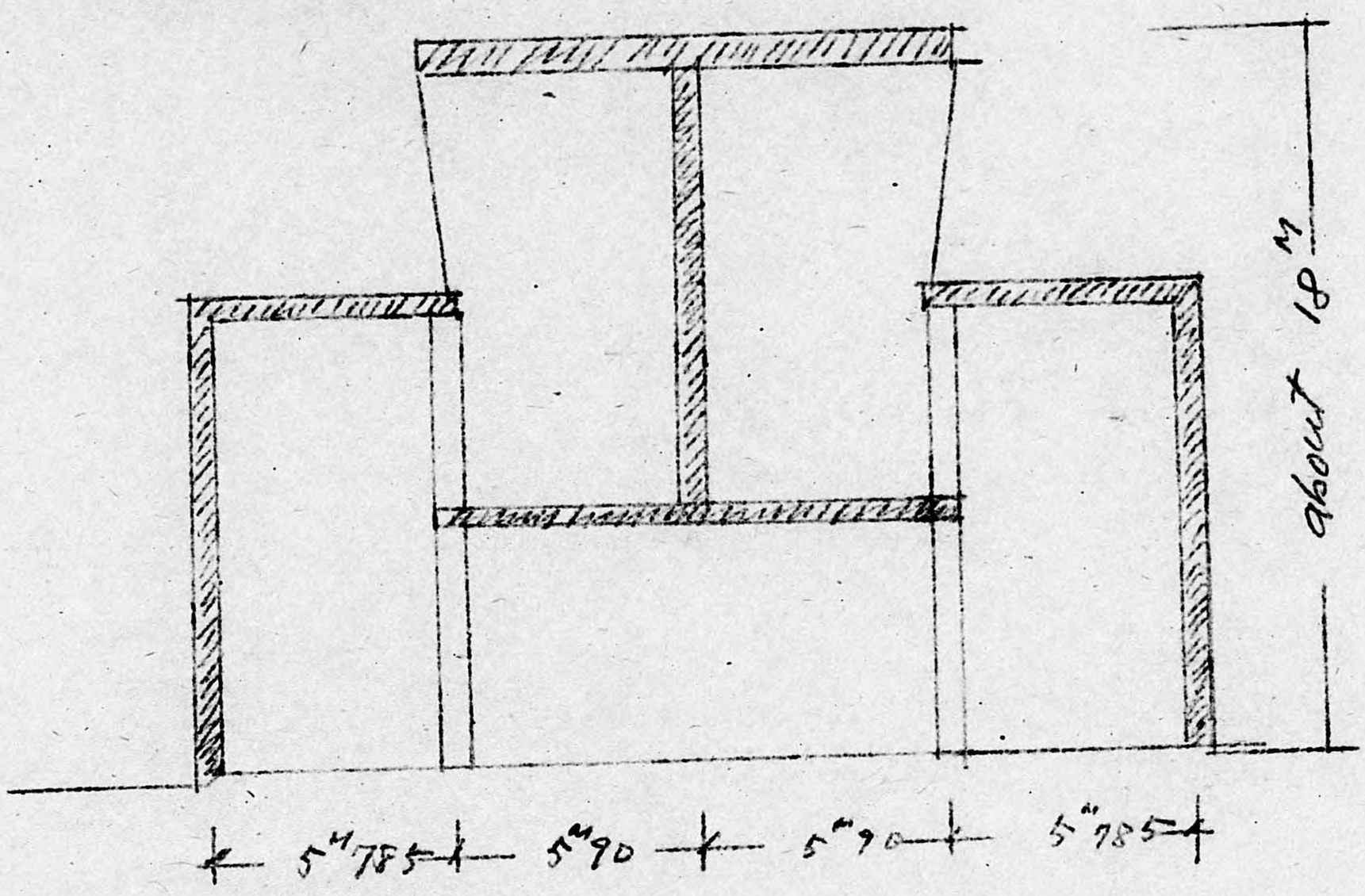
32. Laboratory



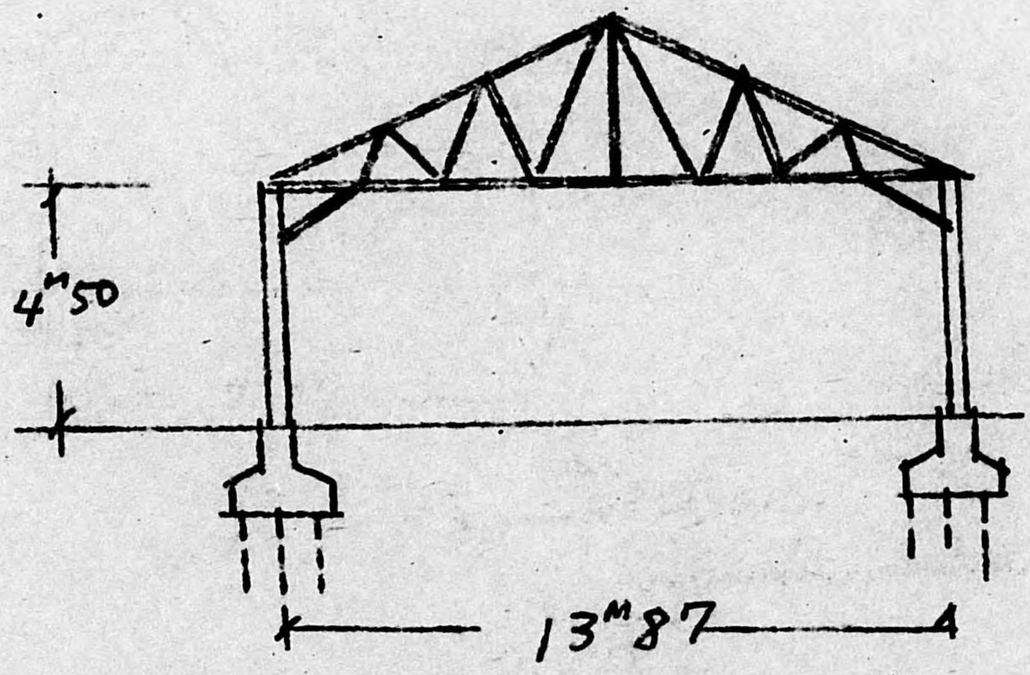
Section
Scale 1:200

34 Running test room

Section
scale 1:200

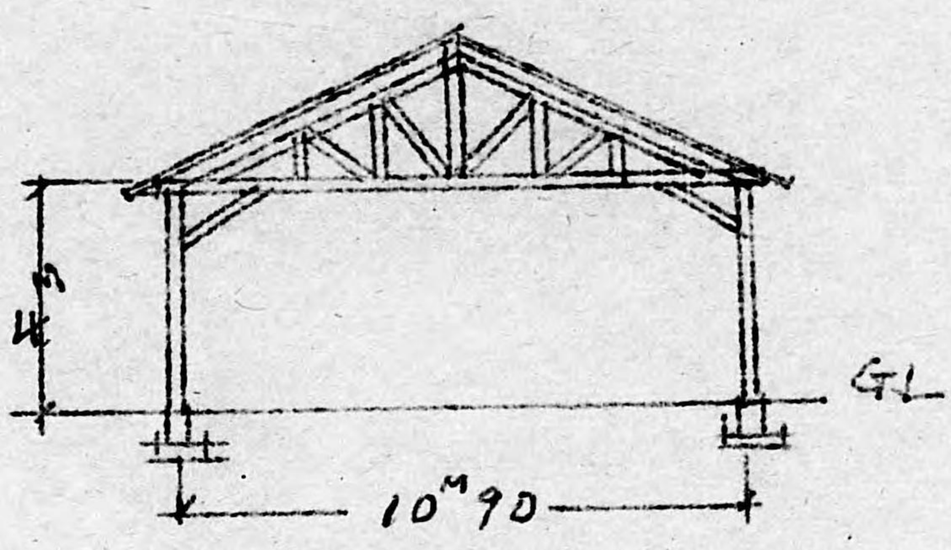


35 Laboratory



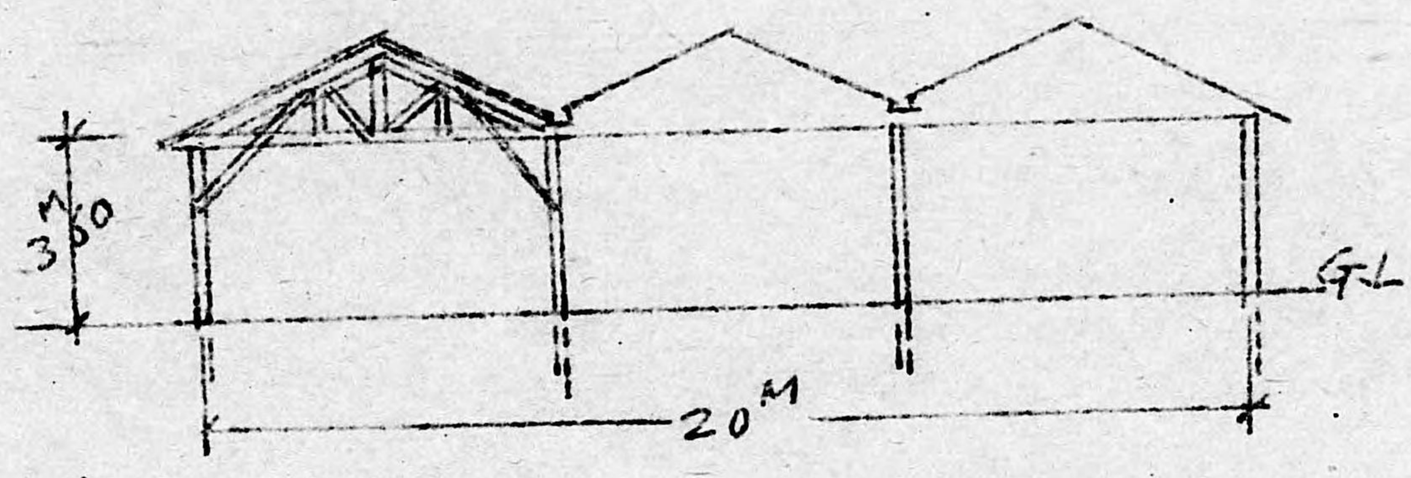
Section
1:200

36, 37 Wooden Pattern shop



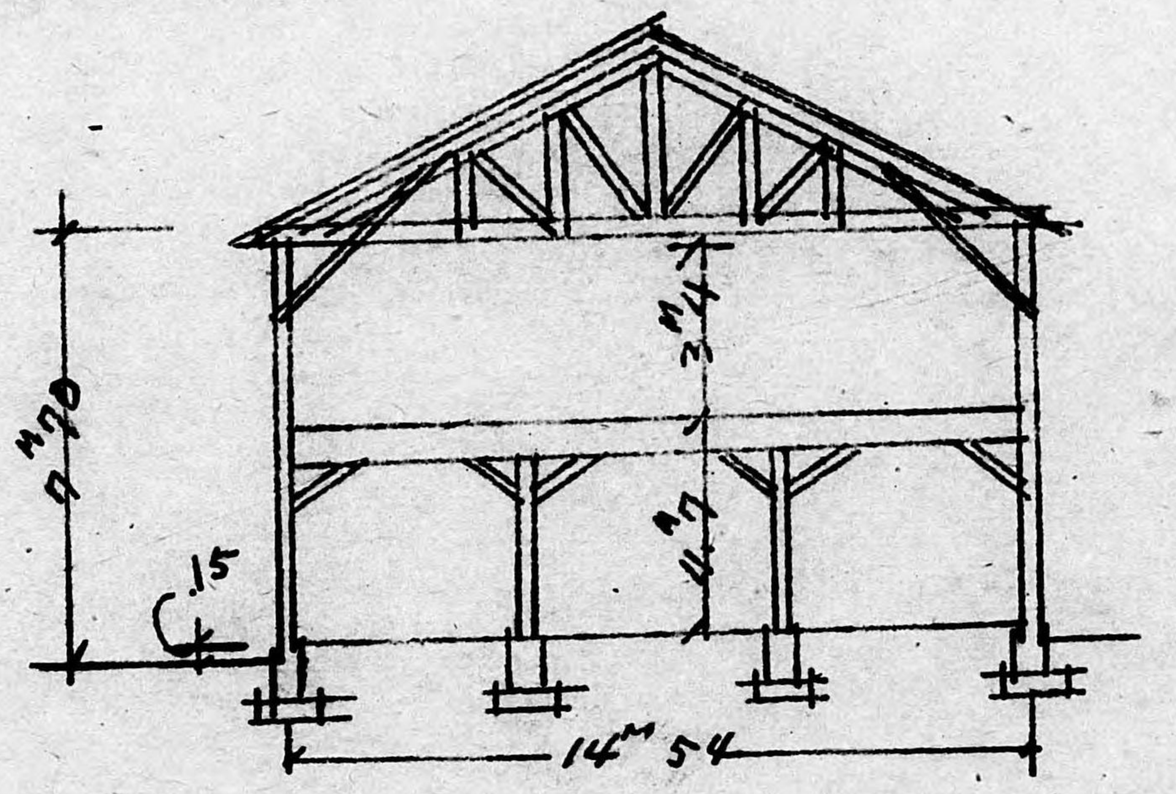
Section
Scale 1:200

38, Strage



Section
Scale 1:200

39 Storage



Section
Scale 1:200

工事番號別工數振譯表(甲)

No.

工場名

調査課	部長	課長	工場長	係員

直接工　一般工 @　養成工 @　女工 @

昭和　年　月分

工事番號	工數	工賃	工數	工賃	工數	工賃	工數	工賃	工數	工賃	工數	工賃
一般工												
速成工、準見習工、見習工												
女工												
計												

工事番號	工數	工賃	工數	工賃	工數	工賃	工數	工賃	工數	工賃	工數	工賃
一般工												
速成工、準見習工、見習工												
女工												
計												

工事番號	工數	工賃	工數	工賃	工數	工賃	工數	工賃	工數	工賃	工數	工賃
一般工												
速成工、準見習工、見習工												
女工												
計												

工事番號	工數	工賃	工數	工賃	工數	工賃	工數	工賃	工數	工賃	工數	工賃
一般工												
速成工、準見習工、見習工												
女工												
計												

工事番號	工數	工賃	工數	工賃	工數	工賃	工數	工賃	工數	工賃	工數	工賃
一般工												
速成工、準見習工、見習工												
女工												
計												

工事番號	工數	工賃	工數	工賃	工數	工賃	工數	工賃	工數	工賃	直接工計 工數	直接工計 工賃
一般工												
速成工、準見習工、見習工												
女工												
計												

◎注意事項
1. 各工場ニ於テハ工數欄ノミ記入シ工賃欄ハ記入ヲ要セズ
2. 工具製造ニ要シタル工數ハ納品製造ニ要シタル工數ト區別計上スルコト

AICH-

ATSUTA: (Inf. obtained from plant).

① H.Q. office.
② "
③ Ware house for ~~shop~~ food.
④ Office.
⑤ Ware house for micelaneous stuffs.
⑥ Al. casting shop
⑦ Finishing shop of casting goods.
⑧ Repair shop for machine.
⑨ Ware house for micelaneous
⑩ Laboratory for metal.
⑪ Laboratory for fine measurement.
⑫ Ware house for stuffs.
⑬ Packing house.
⑭ Treatment house for chips.
⑮ Press shop
⑯ "
⑰ Machine shop
⑱ Buffing shop
⑲ forging shop for "bite"
⑳ sand blast shop.
㉑ Ware house for engine parts.
㉒ Heattreatment shop.
㉓ Finishing shop.
㉔ House for compressed air
㉕ Ware house for micelaneous
㉖ Drawing room for engine ~~parts.~~
㉗ Sub-station.
㉘ Shop for fixture & gig
㉙ Assembling shop
㉚ Boiler station.
㉛ Laboratoy for auxially.
㉜ Test bench for one cyl. engine.
㉝ Shop for new engine. (machine & assembling shop)
㉞ Test bench for engine.
㉟ Laboratory for supercharger.
㊱ Office for ordering to make parts to outsides.
㊲ Controlling office for parts from outsides.
㊳ Ware house.
㊴ Ware house + office.

AICHI - ATSUTA

(NAGOYA)

List of Buildings

JAP Bldg. No.	Function	JTG No.
1.	Main Office	1A
2.	" "	1B
3.	Guard House (~~Food Warehouse~~)	1C
4.	Office	2
5.	Storage and Drafting Room	7A
6.	Light Alloy Casting Shop	6A, 6B
7.	Casting Finishing Shop	8
8.	Repair Shop for Casting Equipment.	9
9.	Storage	7C
10.	Metals Laboratory	10
11.	Instrument Laboratory	11A
12.	Storage	11B
13.	Packing House	13B
14.	Storage	3A
15.	Finishing Shop	3B
16.	Gas Main Control House	3B
17.	Machine Shop	3B
18.	Finishing Shop ([redacted]?)	3C
19.	Forging Shop [redacted]"	4C
20.	Sand Blast Shop	4C
21.	Storage for Engine Parts	4A, 4B
22.	Heat Treatment Shop	3E, 3F, 3G
[illegible]	Finishing Shop	3D

AICHI - ATSUTA

(NAGOYA)

JAP.

List of Buildings

Bldg. No.	Function	JTG NO.
24.	Air Compressor House	—
25.	Storage	—
26.	Engine Drafting Room	5
27.	Electric Sub Station	5
28.	Tool Shop	3H
29.	Assembly Shop	3H
30.	Boiler House	21
31.	Laboratory	2C
32.	Engine Testing House	2C
33.	Machine and Assembly Shop for New Type Engine	18
34.	Engine Test Cell	19B
35.	Supercharger Laboratory	19A
36.	Wood Pattern Shop [redacted]	14
37.	" " " [redacted]	15A
38.	Storage	16B
39.	Storage and Office	16A
40.	Miscellaneous Sheds	—

4 The List of Buildings at Atsuta Plant

All of the papers and records on buildings being burnet by air raids, the following lists were mainly drawn up from memory.

(WITH FIELD NOTES BY G.H.)

No. of Bldg.	Function of Buildings	Description	No. of story	Area of Buildings sq.M: Area of each floors		Total area of floor	Damages caused by air raid
1	Main Office	Wooden building on concrete foundation 12M72 x 40M00	2	1st	659 43	1,266 63	Burnet up by air raid on June 9th 1945
				2nd	607 20		
2	Main Office	" 12M72 x 34M54	2	1st	650 10	1,950 30	"
				2nd	633 60		
				Basement	666 60		
3	Guardmen's Room	" 5M15 x 14M54	1		74 77	74 77	"
4	Office	" 10M80 x 46M70	2	1st	50 x 90	1,009 80	"
				2nd	50 x 90		
5	Storage	" 12M72 x 50M22	1		638 71	638 71	Completely destroyed by air raid on June 9th 1945
6	Casting shop (light alloy only)	Steel framed structure on concrete foundation ~~49M34 x 74M77~~	1	1st	370 20	3751 11	Destroyed beyond repair by bomb on June 9th 1945
				Basement	41 91		
7	Branch of finishing shop	Wooden building on concrete foundation 25M45 x 25M45	1		660 00	660 00	"
8	"	" ~~14M54 x 18M18~~	1		264 00	264 00	"
9	Storage	" 10M x 11M	1		115 50	115 50	"
10	Material Laboratory	" 14M54 x 45M45	1		653 40	653 40	Burnet up by air raid on Mar. 19th 1945
11	"	" 26M x 11M50	1		394 35	394 35	"

No. of Bldg.	Function of Buildings	Description	No. of story	Area of Buildings sq.M: Area of each floors	Area of Buildings sq.M: Total area of floor	Dameges caused by air raid
12	Storage	Wooden building 15M x 19M90	1	297 00	297 00	Burnet up by air raid on Mar. 19th 1945
13	Packing house	〃 9M090x54M54	1	495 00	495 00	〃
14	Storage	〃 15M15 X 18M18	1	203 44	203 44	Burnet up by air raid on June 9th 1945
15	Branch of Finishing shop	Wooden building on concrete foundation 12M76x18M18	1	264 00	264 00	〃
16	Gas governer house	〃 3M78X 10M80	1	38 47	38 47	〃
17	Machine shop	Steel framed structure on concrete foundation 72M88x ~~16M17~~ 17M85	1	1st 11,899 76 Megganine 795 90	12,695 66	The southern part of structure was destroyed by earthquake on Dec. 7th 1944, and almost all of the remaning part was destroyed beyond repair by air raid on June 9th 1945
18	Branch of Finishing shop	〃 18M18x15M75	1	261 42	261 42	Destroyed by earthquake on Dec. 7th 1944
19	〃	Wooden building on concrete foundation 7M57X 19M09	1	216 97	216 97	Destroyed by bomb, beyond repair on June 9th 1945
20	〃	〃 9M09X22M72	1	233 47	233 47	〃
21	Storage	The souther part was constructed with steel frame and the remain is wooden building 32M96X36M50	2	1st 1,198 82 2nd 1,198 82	2,397 64	Destroyed by bomb, but repairable on June 9th 1945
22	Heat treatment shop	Steel framed structure on concrete foundation 59M99X9M26	1	1st 4024 71 Basement 39 61	4064 31	〃

No. of Bldg	Function of Building	Description	No. of story	Area of Buildings sq.M: Area of each floors	Total area of floor	Damages caused by air raid
23	Finishing shop	Steel framed structure on concrete foundation 32M62X69M16	1	2441.20	2441.20	destroyed beyond repair by earthquake on Dec. 7th 1944
24	Air compresser chamber	Wooden building on concrete foundation 5M45X13M63	1	74.25	74.25	completely destroyed by earthquake on Dec. 7th 1944
25	Branch of Finishing shop	" 7M27X18M18	1	138.60	138.60	"
26	Drawing Room	" 9M09X29M09	2	1st 652.60 2nd 597.34	1249.94	destroyed by earthquake on Dec. 7th 1944 and air raid on June 7th 1945, but repairable
27	Electric power plant	Steel framed structure covered with reinforced concrete 9M41X11M60	1	108.83	108.83	slightly damaged by bomb on June 9th 1945
28	Tool shop	Steel framed structure on concrete foundation 72M90X38M30	1	2786.75	2786.75	destroyed by bomb but repairable on June 9th 1945
29	Assembling shop	" 72M90X38M30	1	2786.75	2786.75	slightly damaged by bomb on June 9th 1945
30	Steam heating plant	" 11M20X17M15	1	180.52	180.52	destroyed beyond repair by earthquake on Dec. 7th 1944
31	Laboratory	Wooden building on concrete foundation 91M09X50M90	1	524.70	524.70	burnet up by air raid on Mar. 19th 1945
32	Running test room	" 7M27X10M90	1	84.01	84.01	slightly damaged by earthquake on Dec. 7th 1944
33	Shop for experimental engine (machine, finishing and asembling)	steel framed structure on concrete foundation 63M63X60M21 18M18X38M40	1	1st 4465.16 mezzanine 545.45	5010.61	the eastern part of the structure was burnet up by air raid on Mar. 19th 1945

No. of Bldg.	Function of Building	Description	No. of story	Area of Buildings sq.M: Area of each floor		Area of total floor		Dameges caused by air raid
34	Running test room	Reinforced concrete construction 23M77x26M70	2	1st	640	25	1090	61
				2nd	200	30		
				mezzanine ~~mezz~~	250	06		
35	Laboratory	Steel framed structure on concrete foundation 13M87x27M13	1		377	38	377	38
36	No. 1 Wooden Pattern shop	Wooden building on concrete foundation 10M90x34M54	1		356	40	356	40
37	No. 2 Wooden Pattern shop	" 10M90x34M54	1		356	40	356	40
38	Storage	Wooden building 20M x 26M76	1		535	20	535	20
39	Storage	Wooden building on concrete foundation 14M*54x31M81	2	1st	462	00	858	00
				2nd	396	00		
40	The other buildings (W.C. toilet & small storage etc.)	Wooden building	1				1129	60
	Total						5203570	

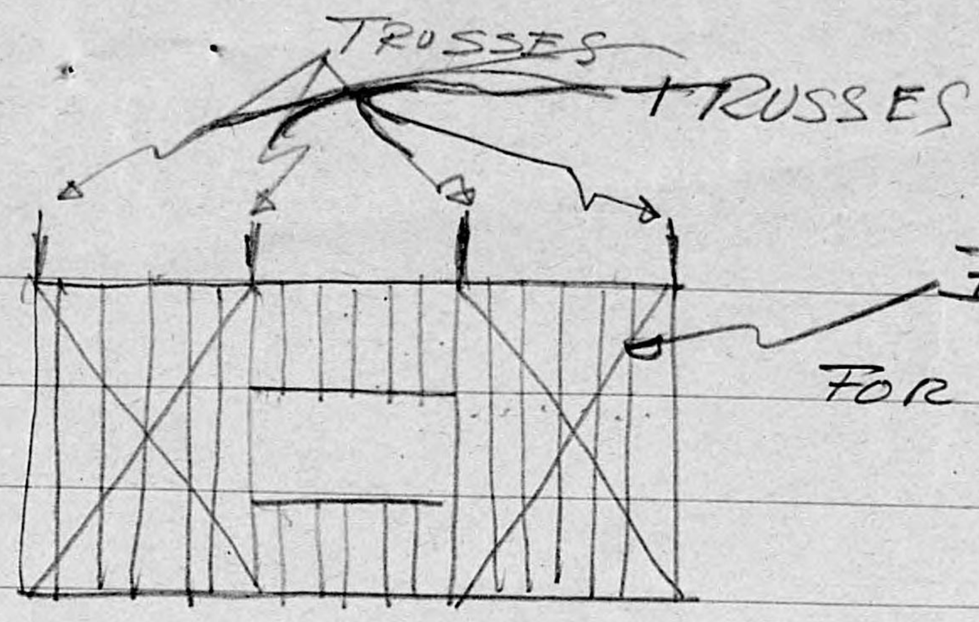
Burnet up by air raid on Mar. 19th 1945

"

Slightly damaged by bomb on June 9th 1945

"

Almost all of the buildings were destroyed or burnet up by air raid



1, 2, 3, 4, 5, 15, 16 WOOD BLDGS TO BE DRAWN UP

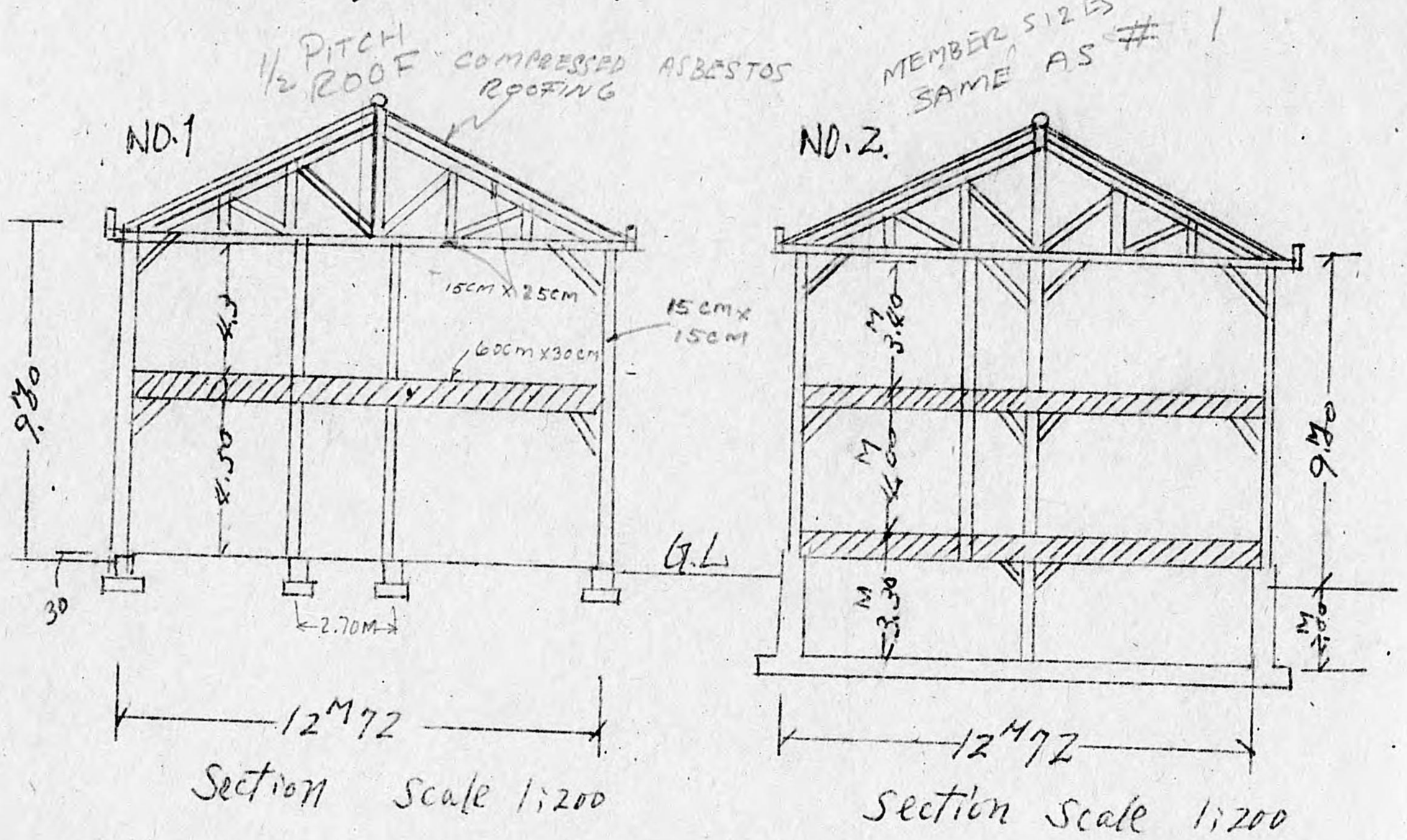
INFORMATION ON FOLLOWING

SHEETS

FOR BRACING SEE PRECEDING SHEET FOR #1, #2, #3, #4

No. 1 and No. 2 Main office

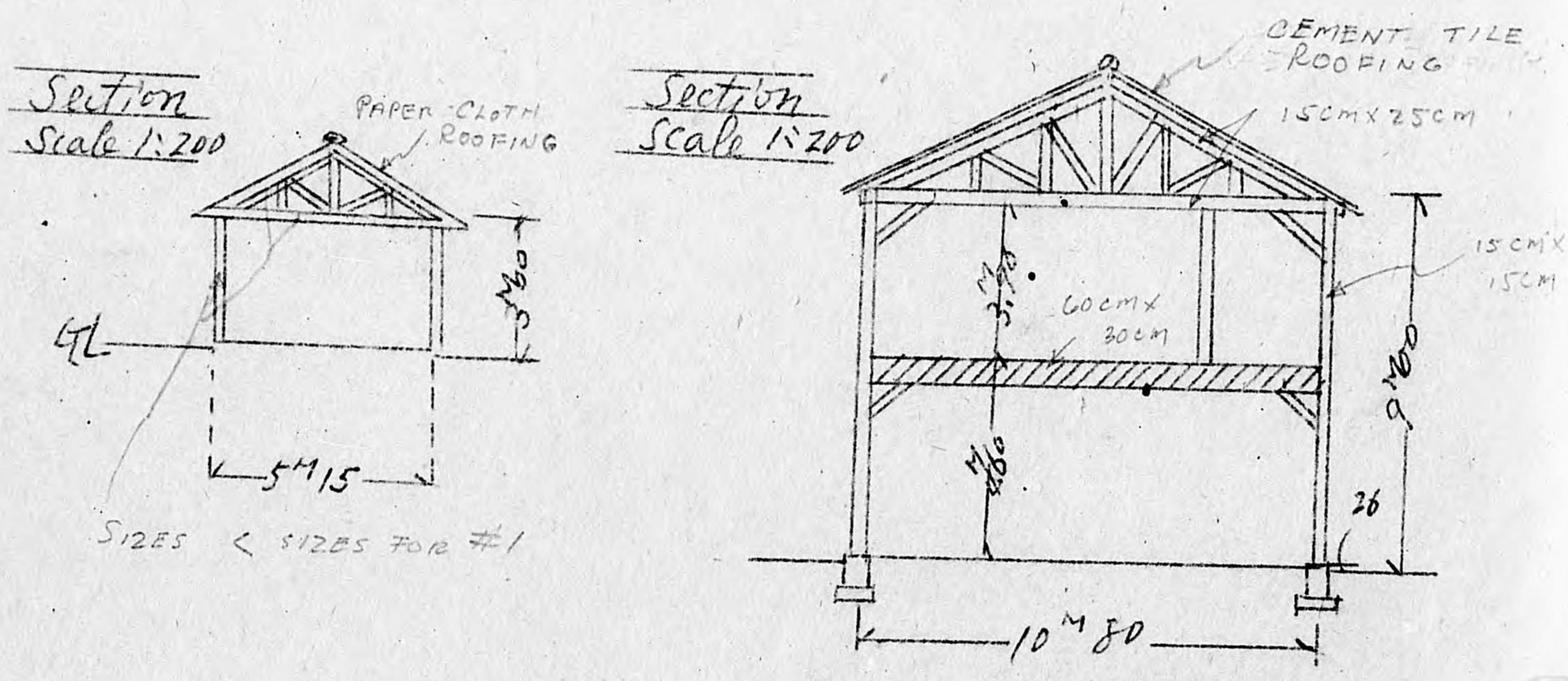
TRUSS SPA. 2.70 m



Section Scale 1:200

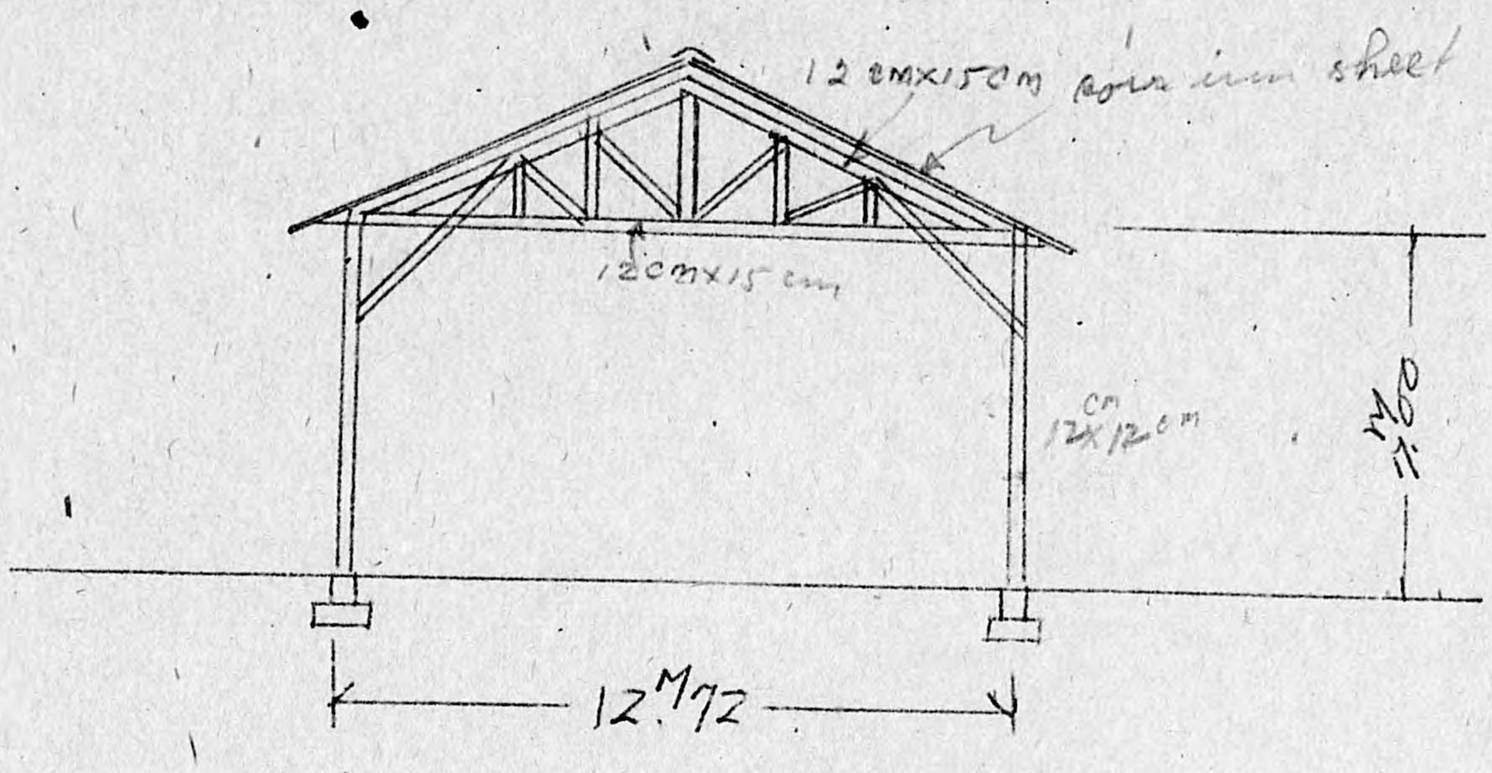
Section Scale 1:200

No. 3 Guardmen's Room. No. 4 Office



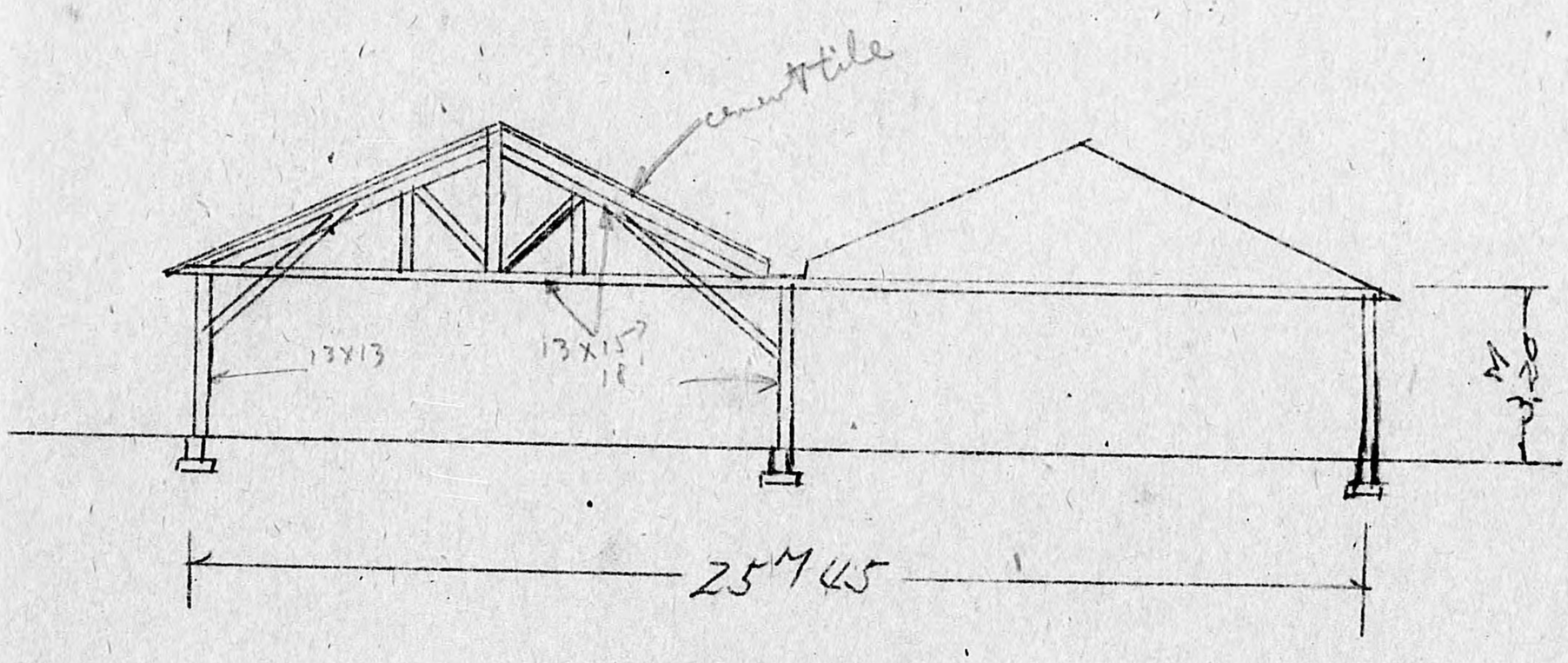
No.5 Storage

TRUSS SPA 2.70 M



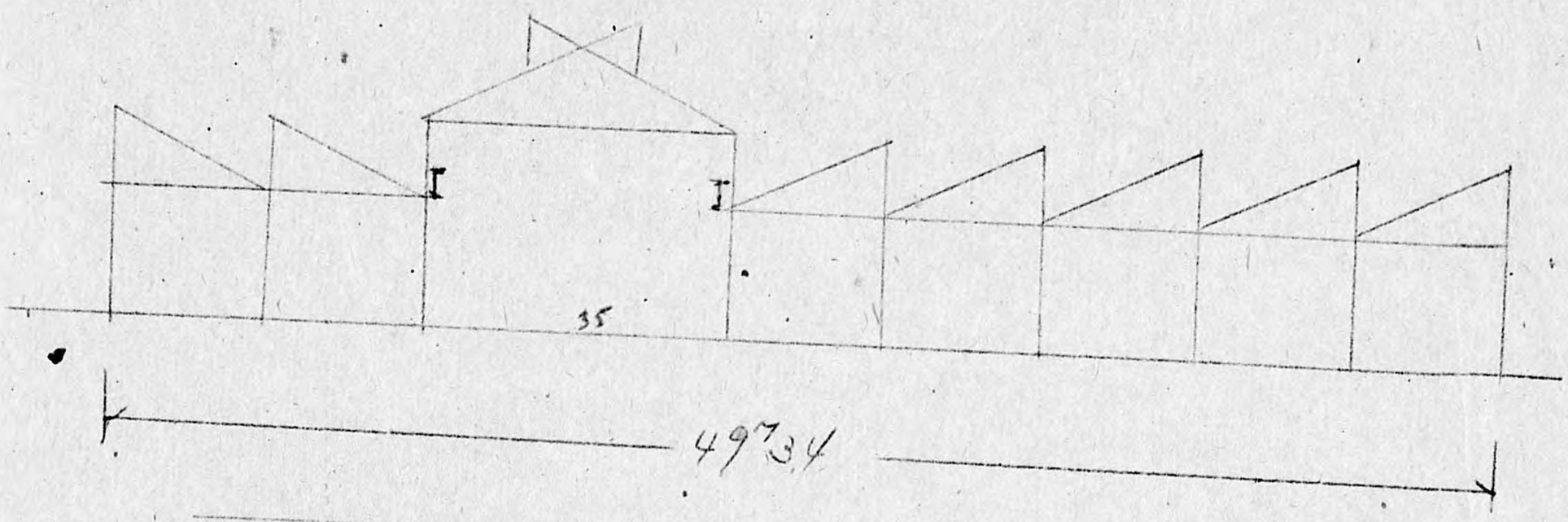
Section
Scale 1:200

No.7 Branch of finishing shop



Section
Scale 1:200

No. 6 Casting Shop



Section
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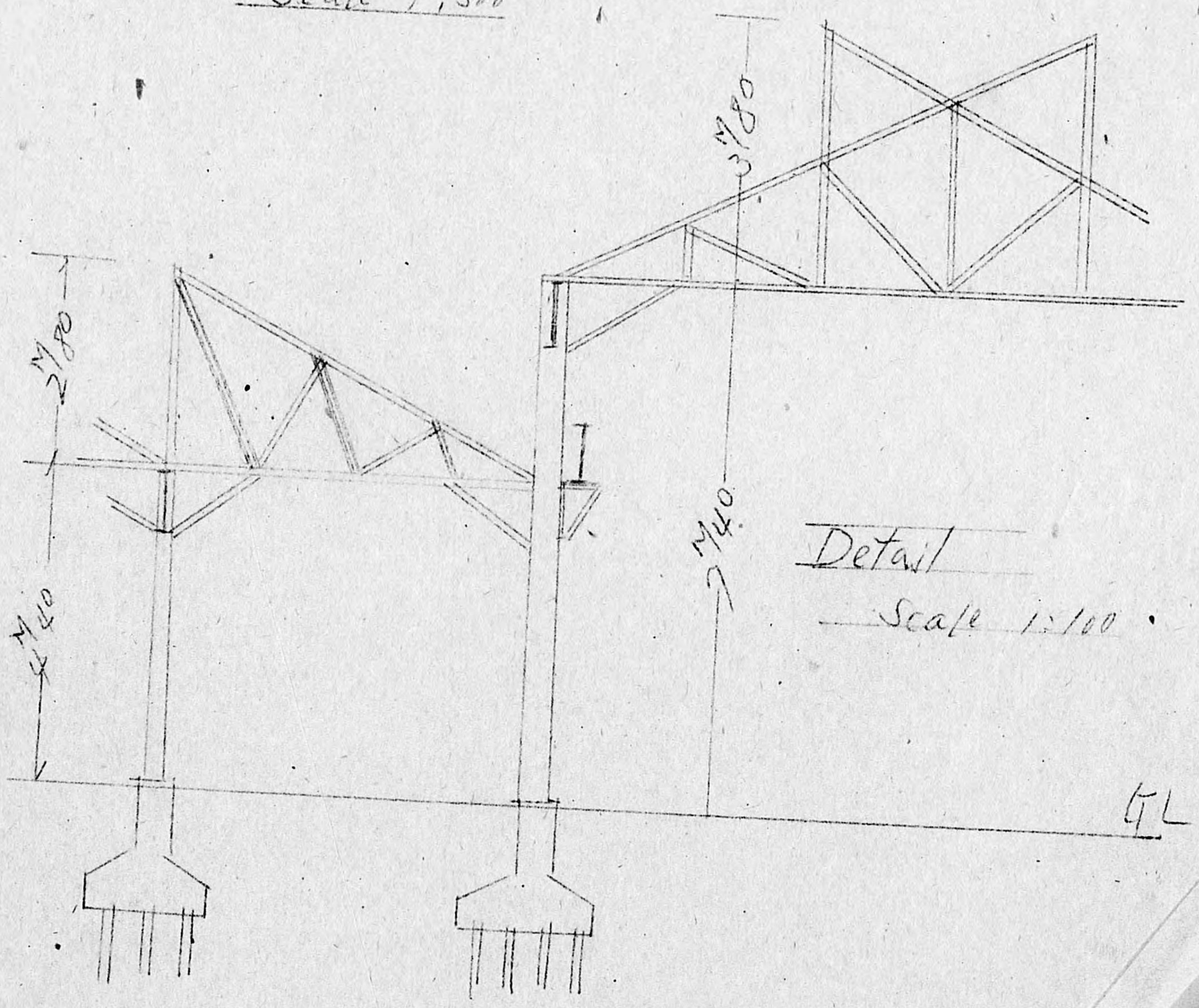
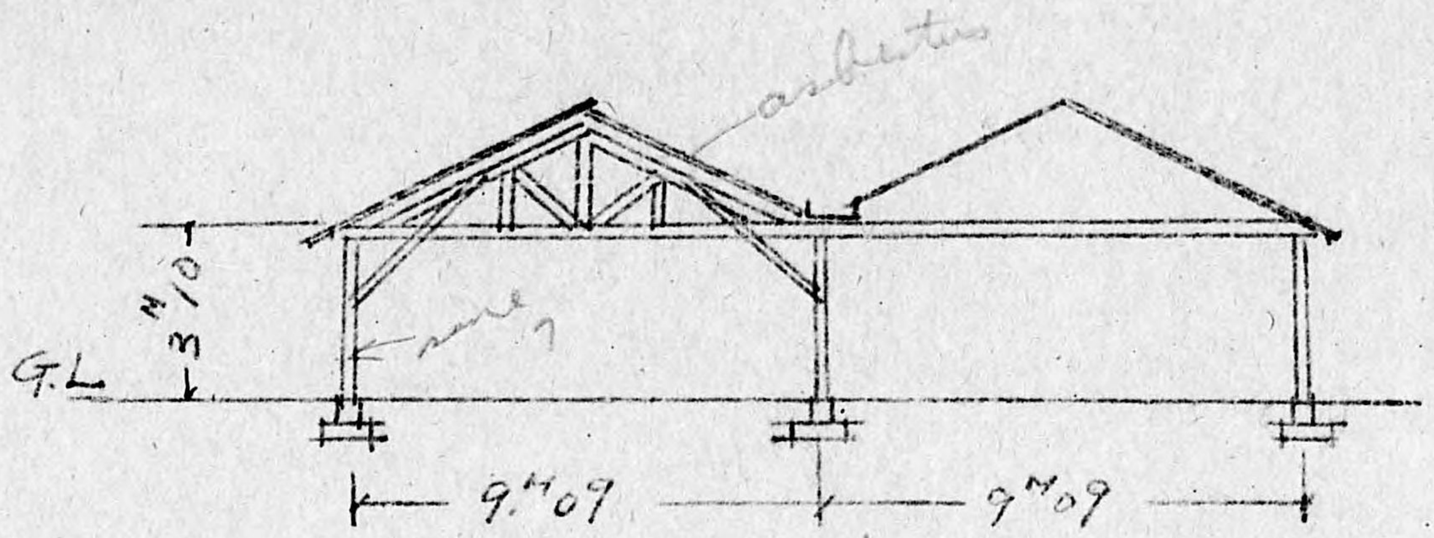


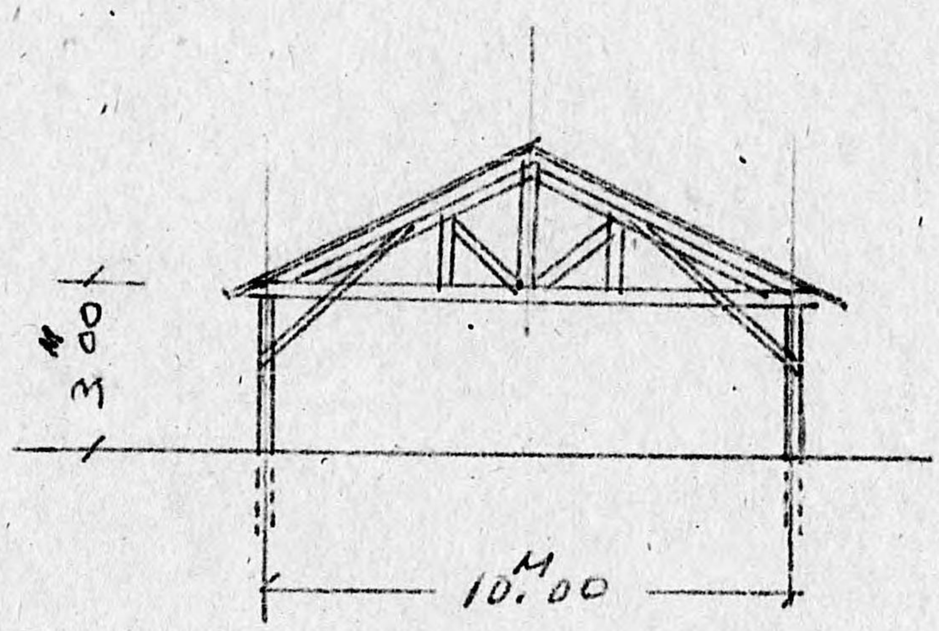
Detail
Scale 1:100

No. 8 Branch of finishing shop



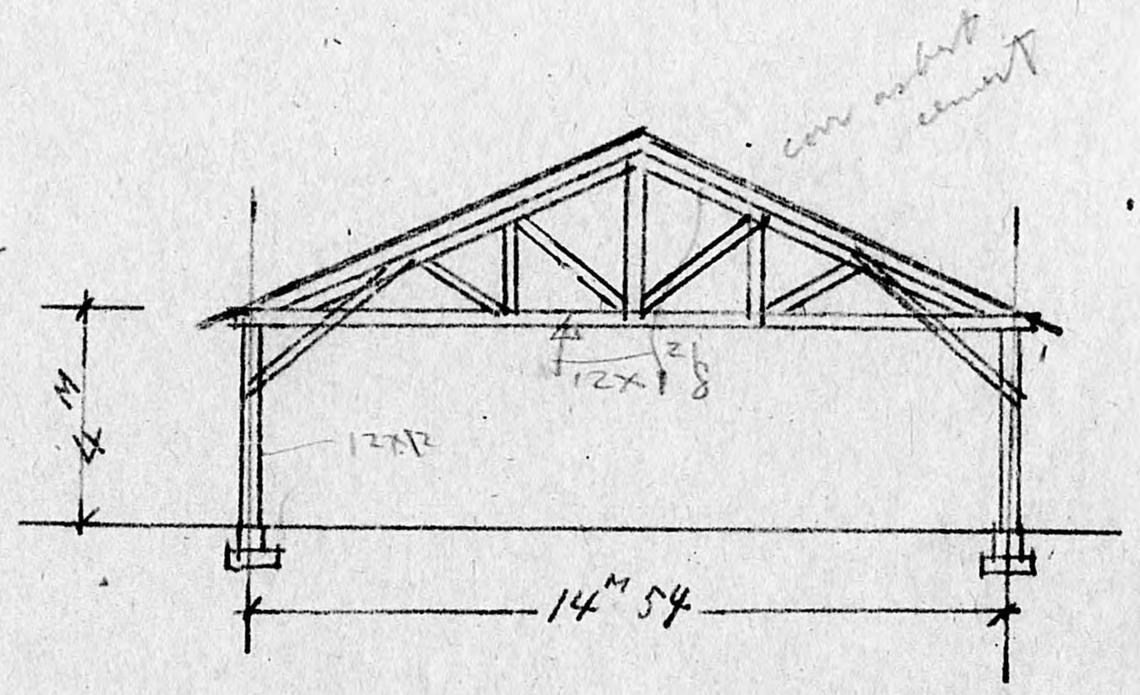
Section
1:200

No. 9. Storage



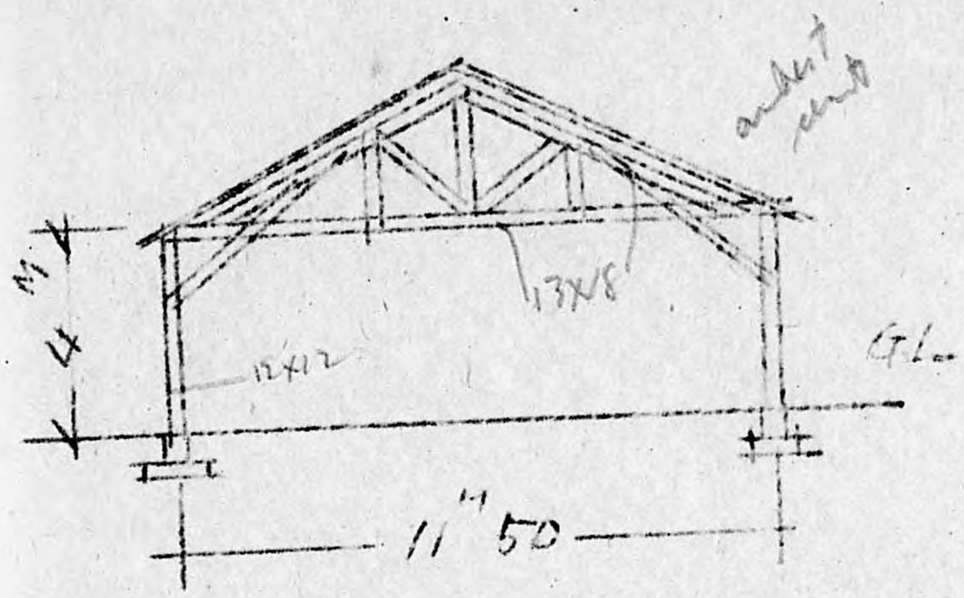
Section
1:200

No. 10. Material Laboratory



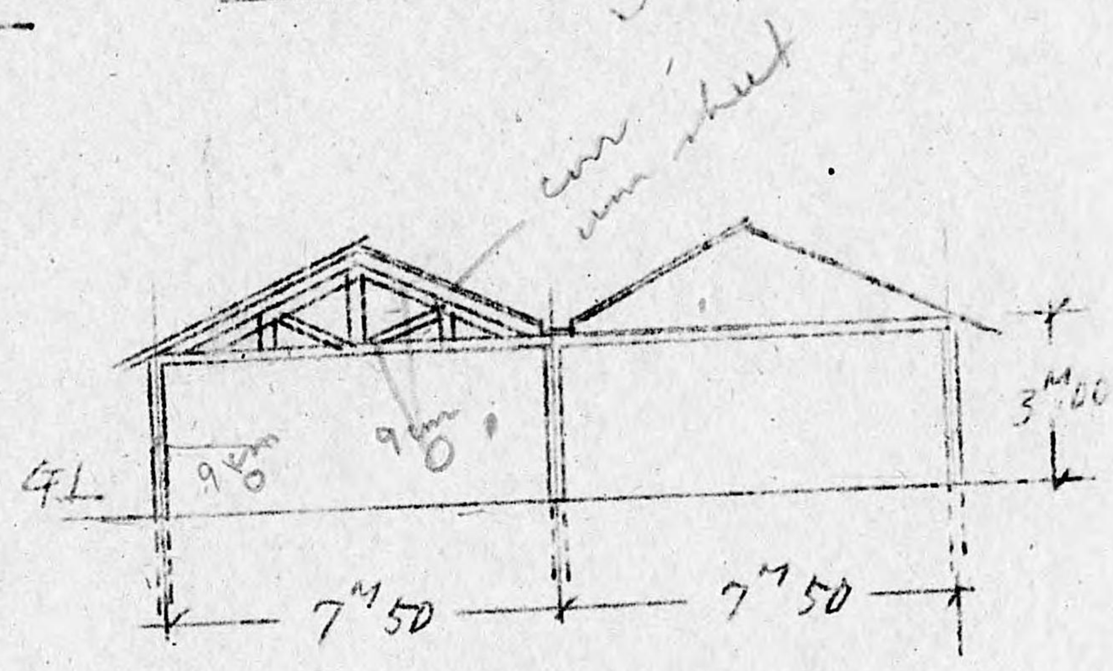
Section
1:200

No. 11 Material Laboratory



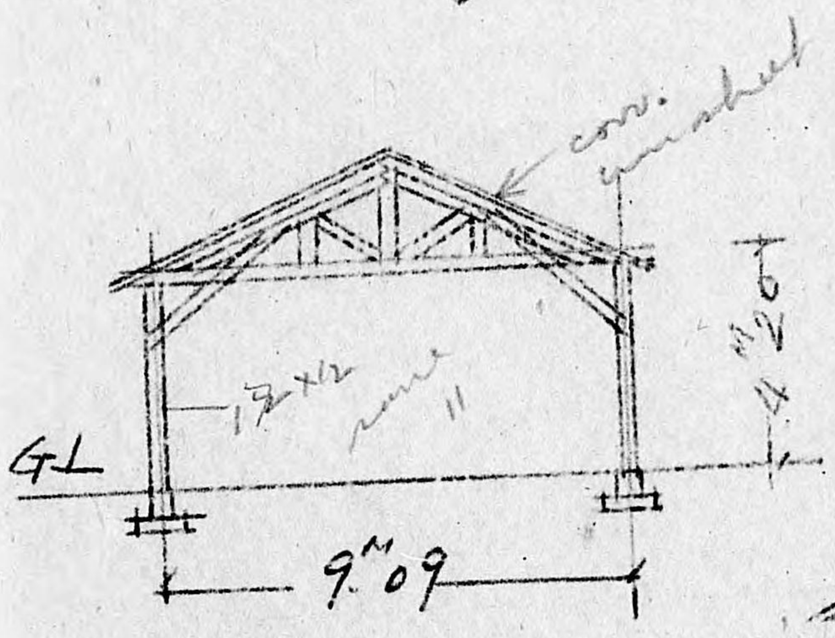
Section
Scale 1:200

No. 12 Storage



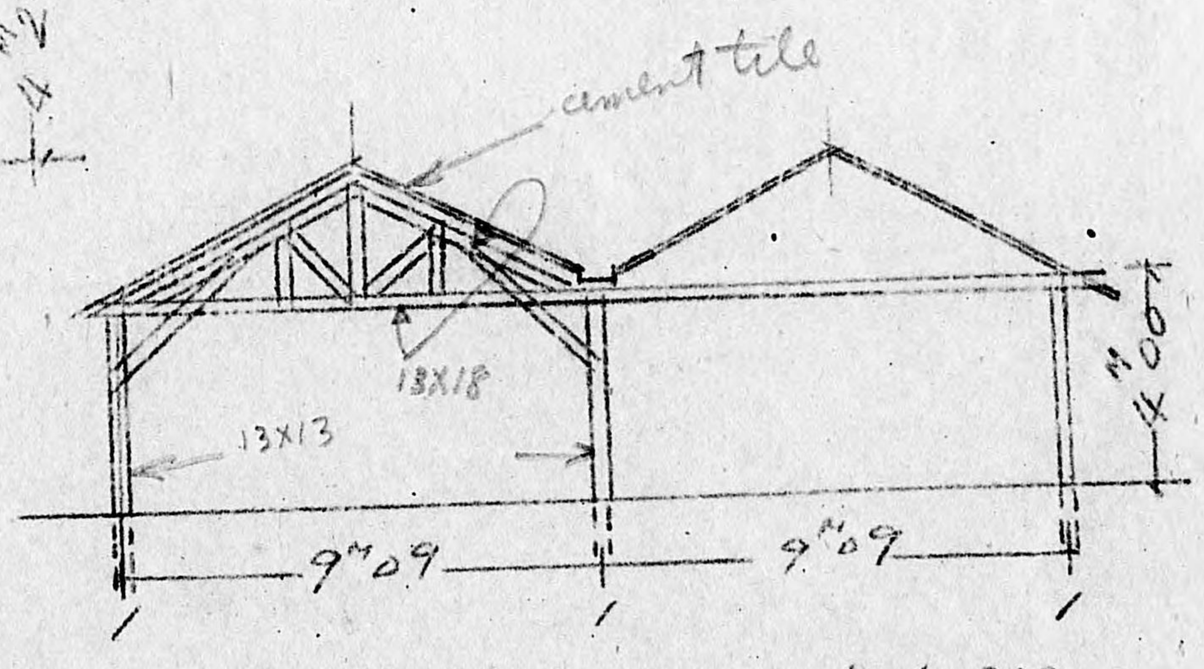
Section
Scale 1:200

No. 13. Packing House



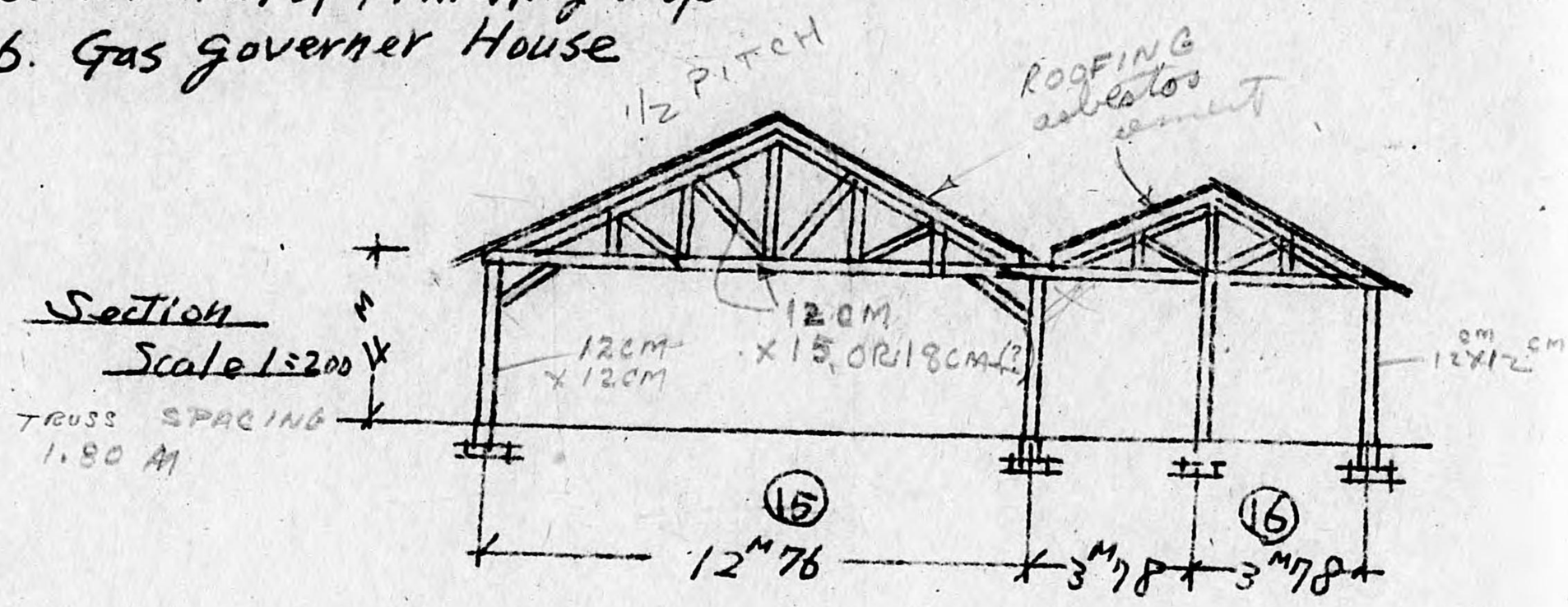
Section
Scale 1:200

No. 14 Storage



Section Scale 1:200

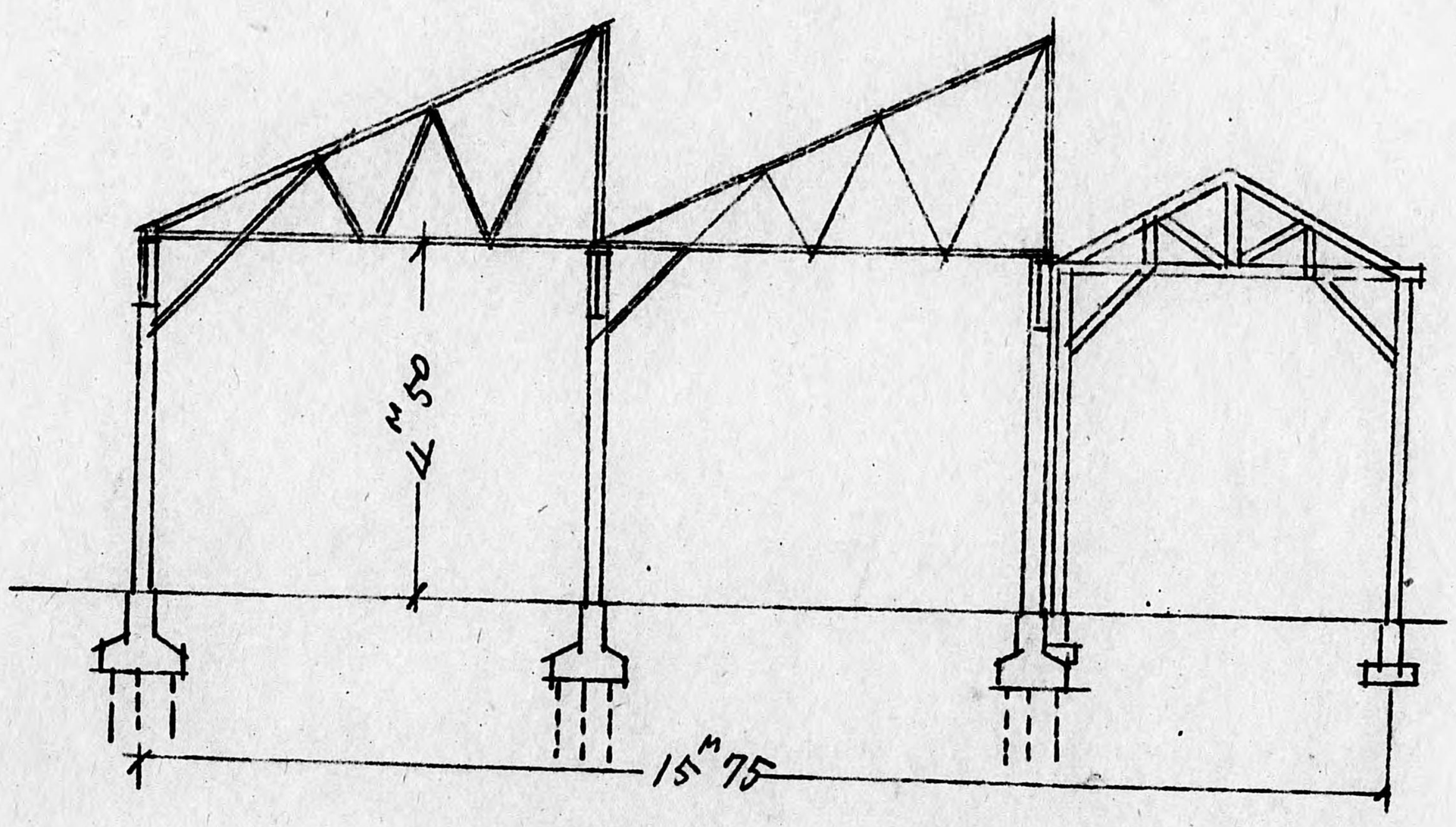
15. Branch of Finishing shop
16. Gas governer House



Section
Scale 1:200

18 Branch of finishing shop

12.76 - 41.8
12.4
12.4
66.6

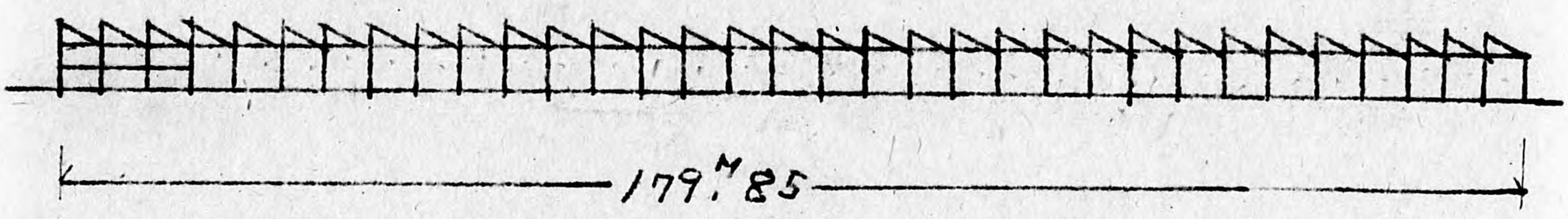


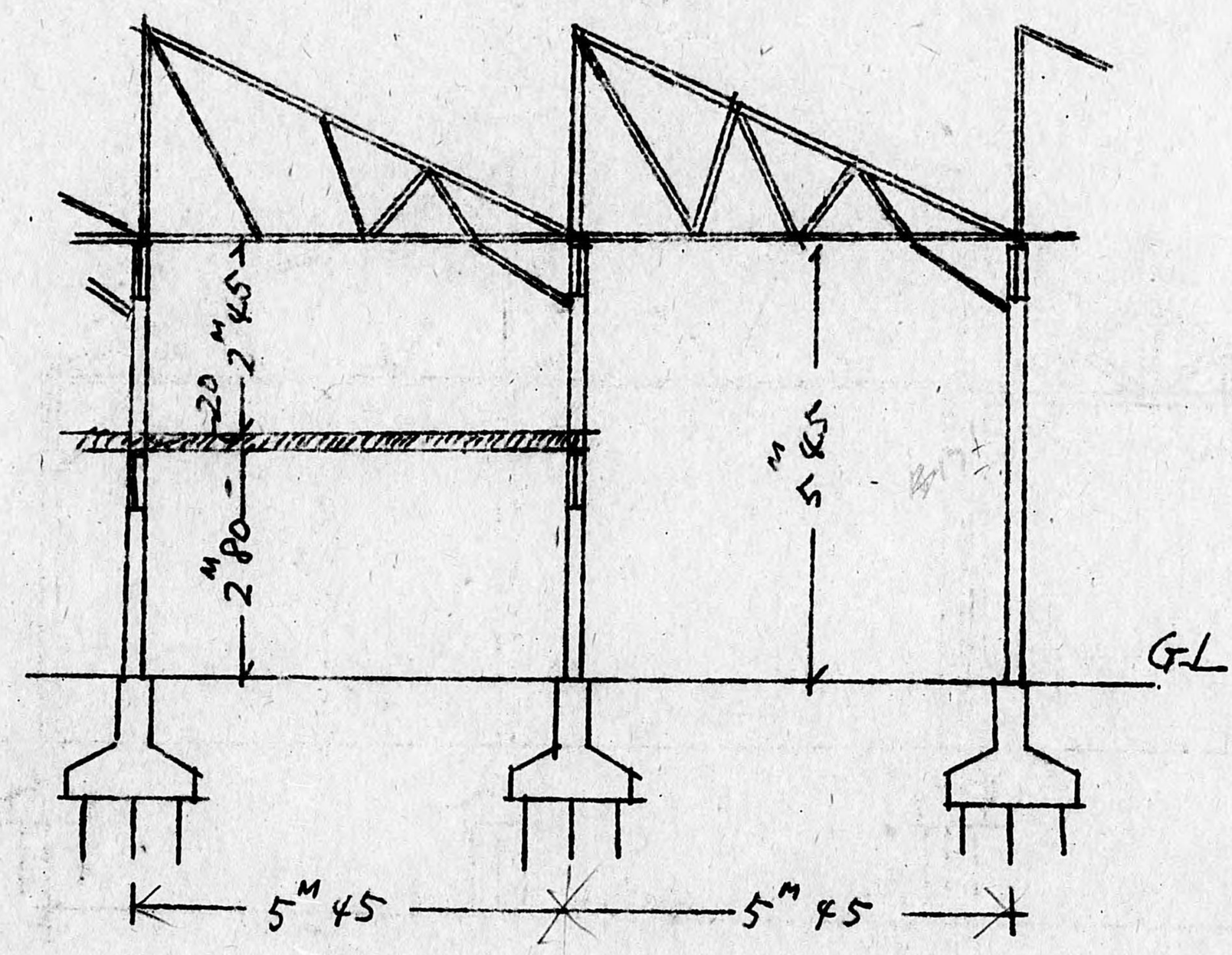
Section Scale 1:200

17 Machine shop

Section

Scale 1:1000



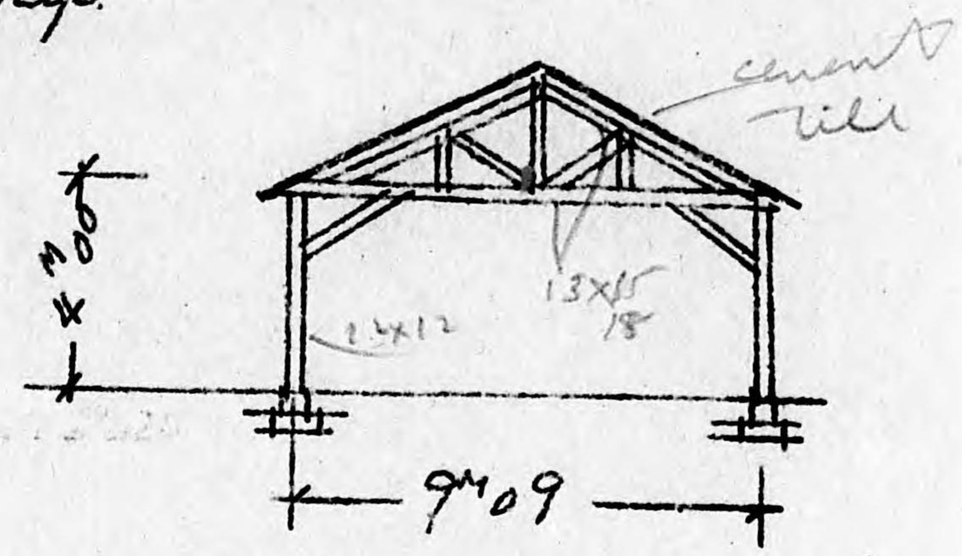


Detail

Scale 1:100

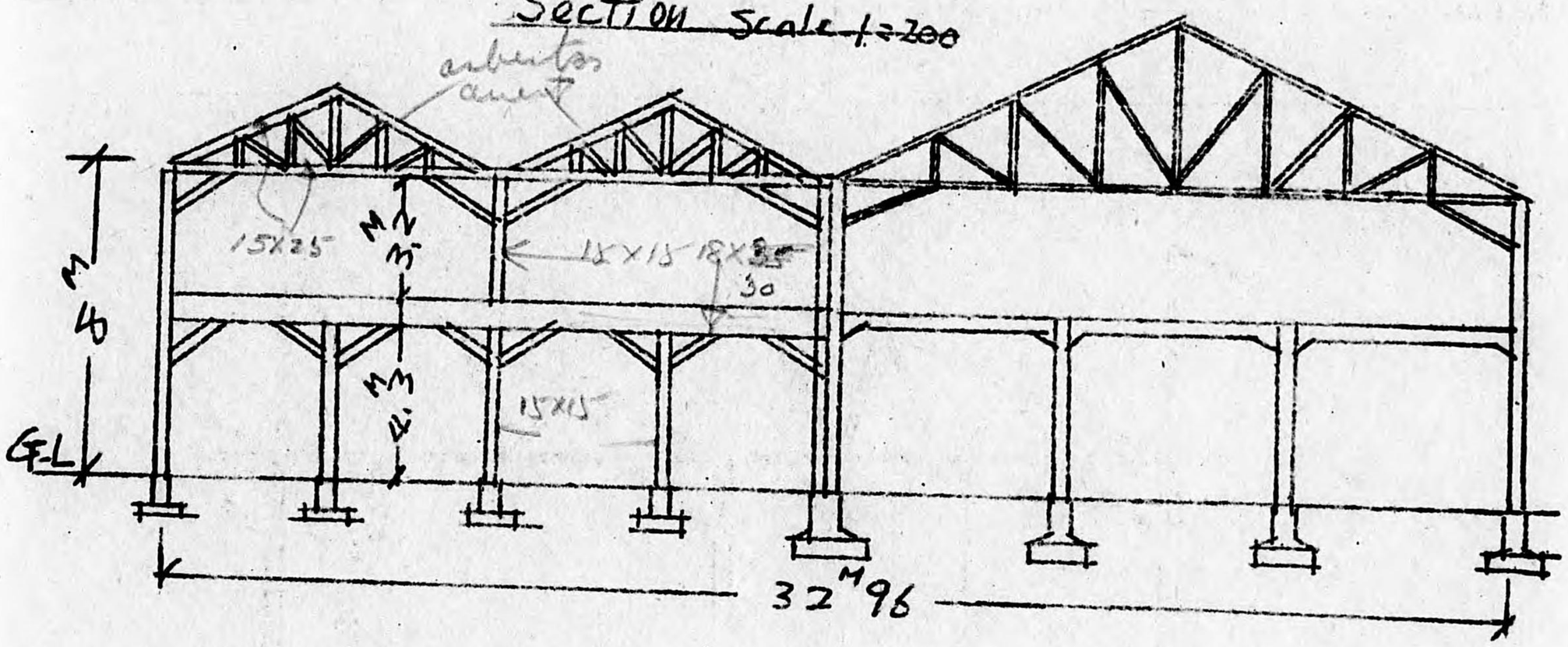
19, 20, Branch of finishing shop.

Section
Scale 1:200

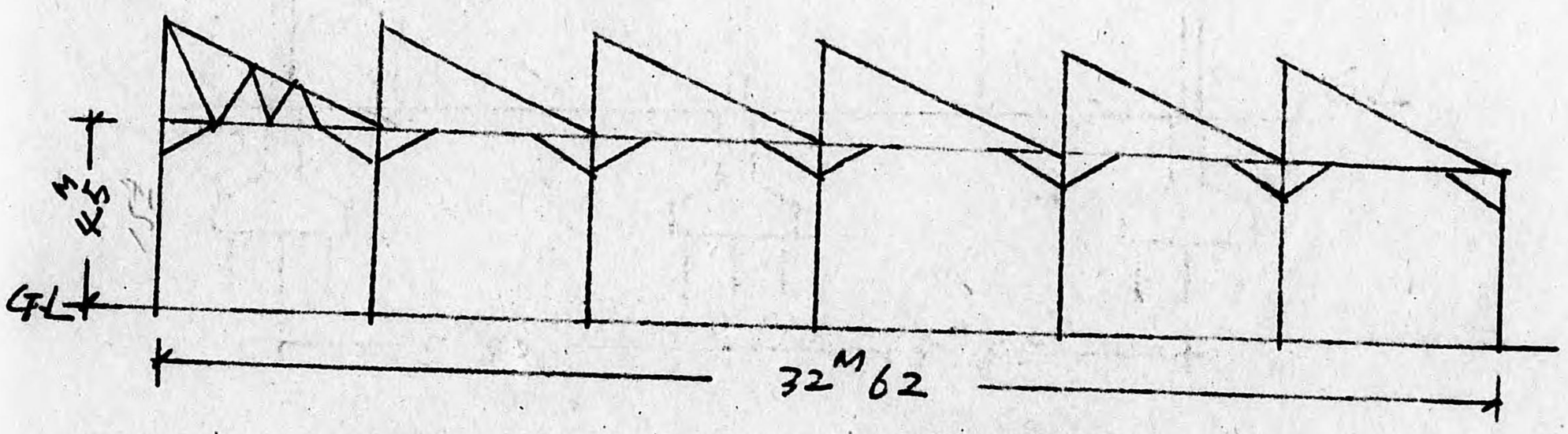


21, Storage

Section Scale 1:200



23 Finishing Shop

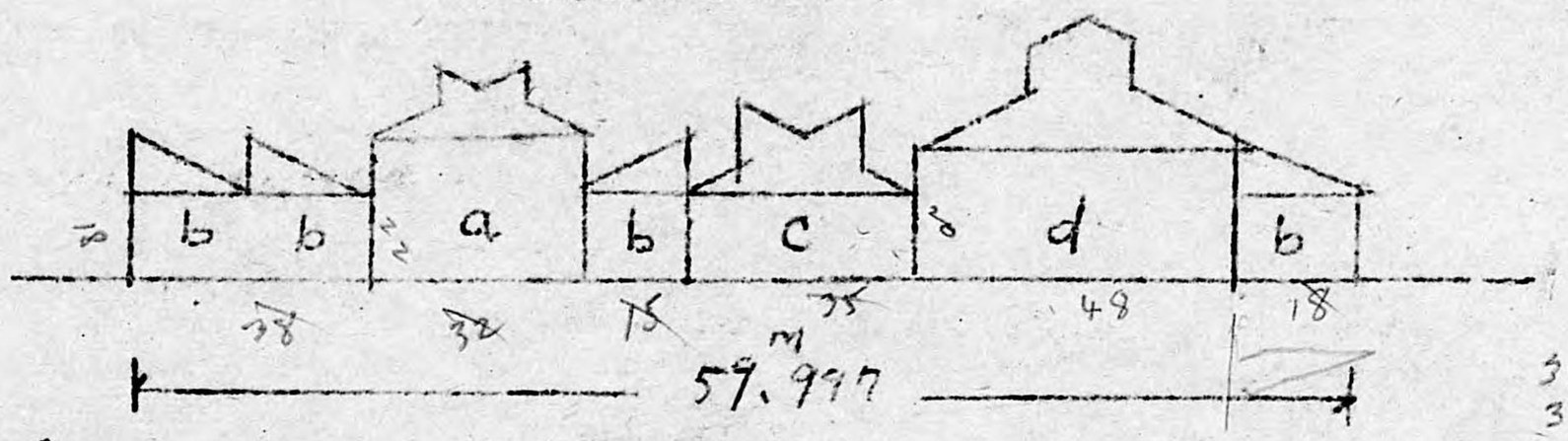


Section
Scale 1:300

Remarks—
The details of this structure is shown on the figure NO. 28

22. Heat treatment shop

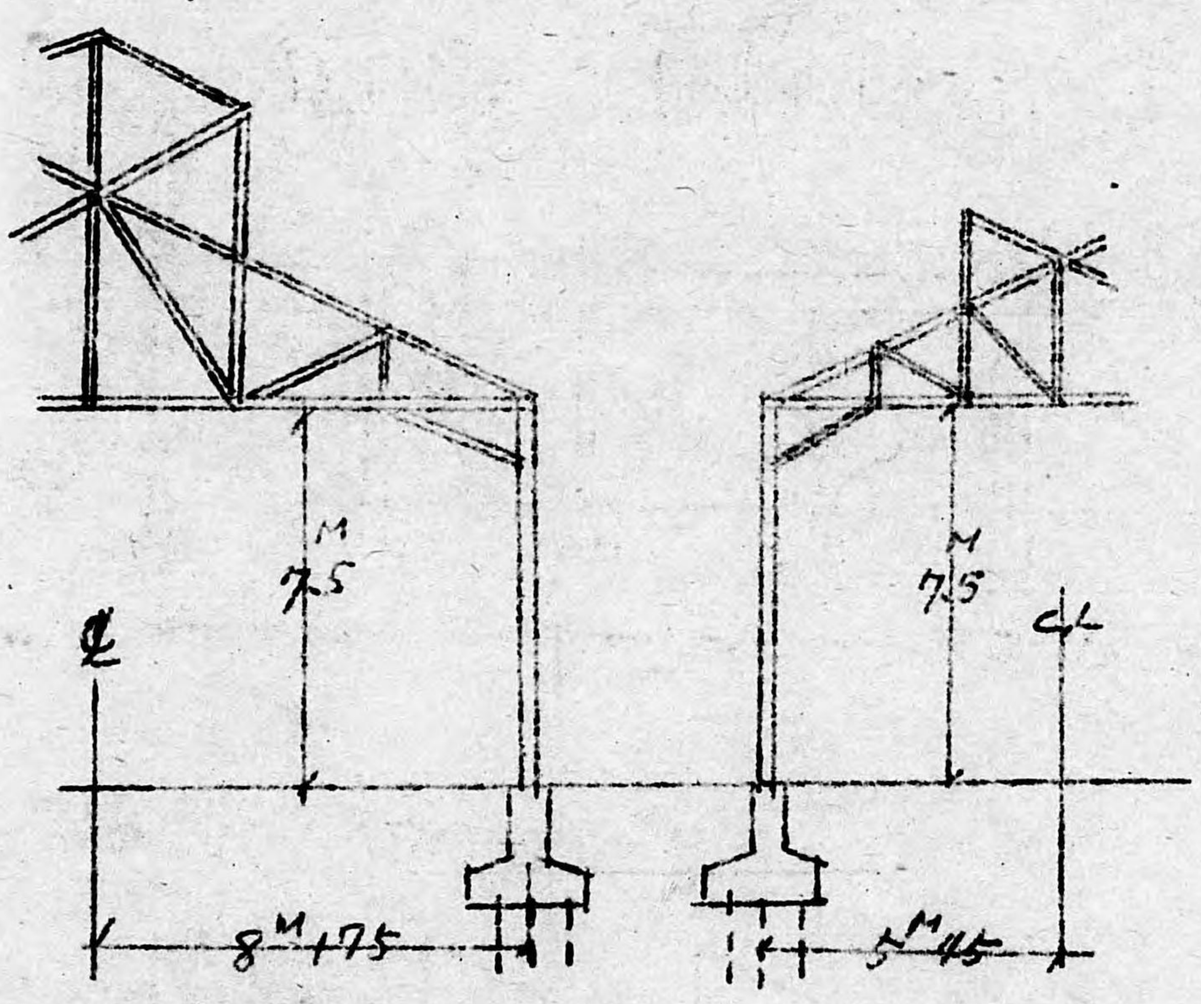
Section
Scale 1:500



3 SPANS - NL
3 SPANS - DP
MONITOR

38
18
15
71

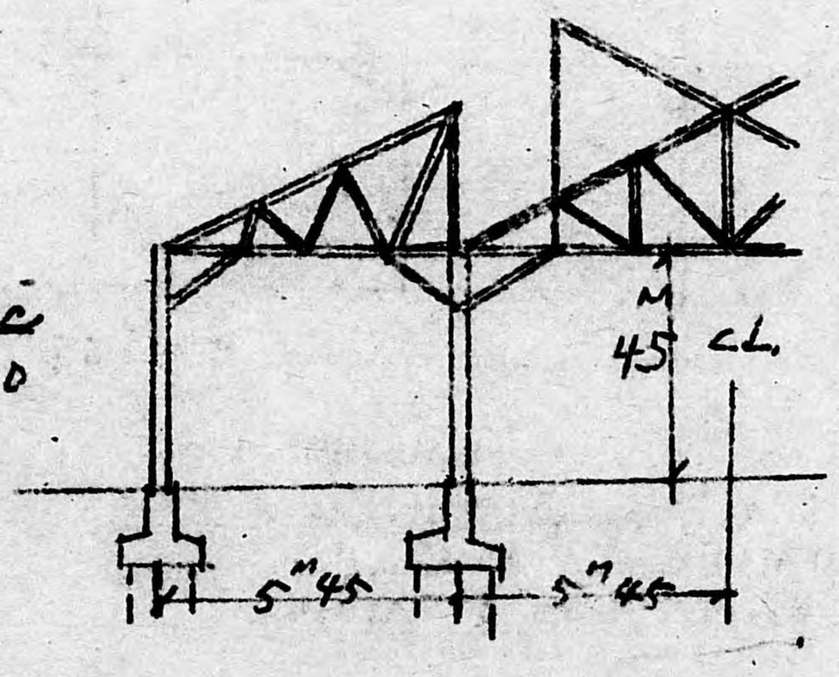
32
35
48
115



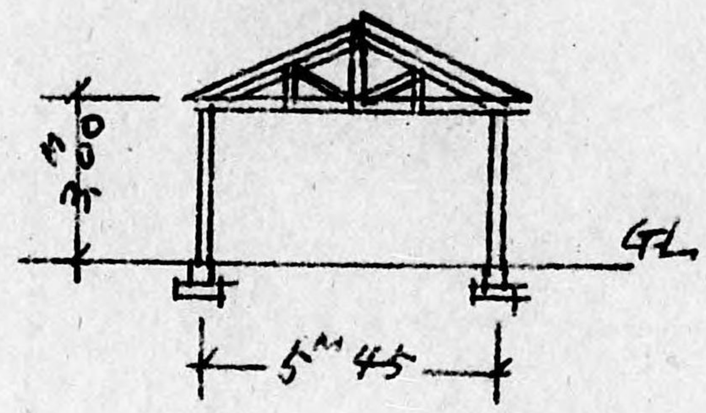
Detail of a
Scale 1=200

Detail of d
scale 1:200

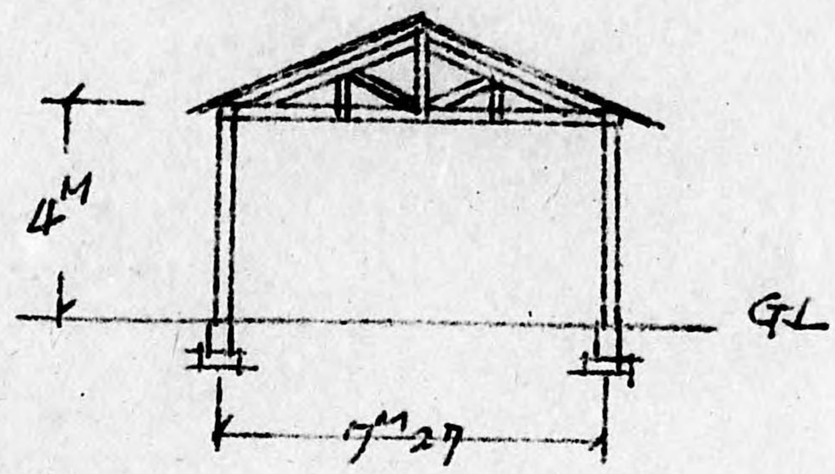
Detail of b & c
scale 1:200



24. Air compresser chamber

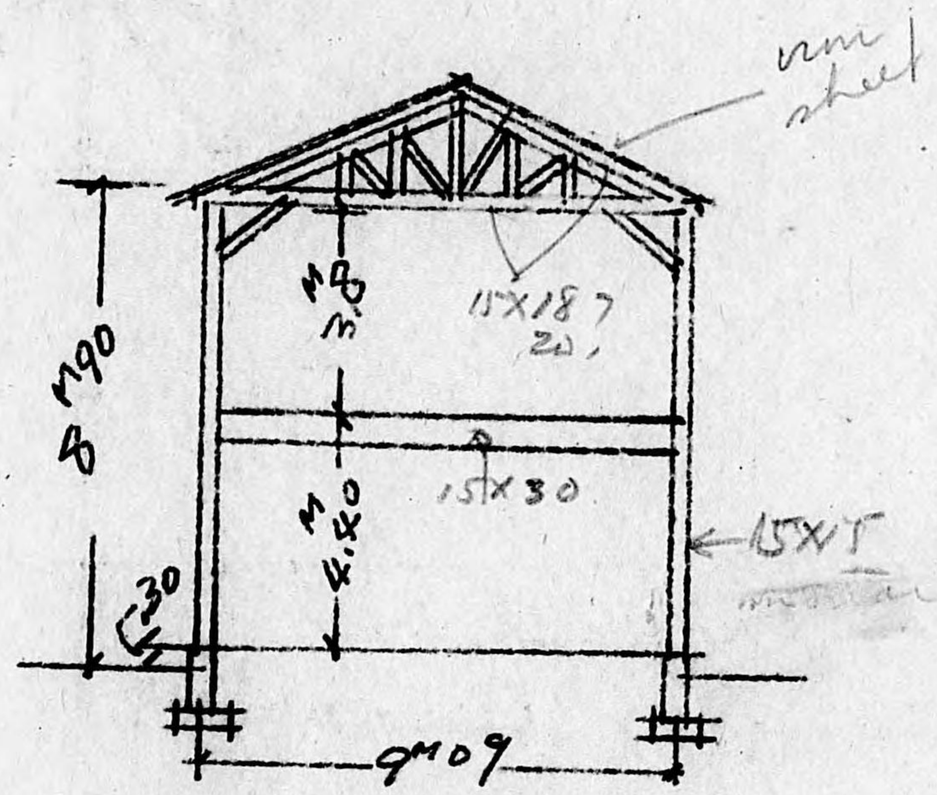


25 Branch of finishing shop

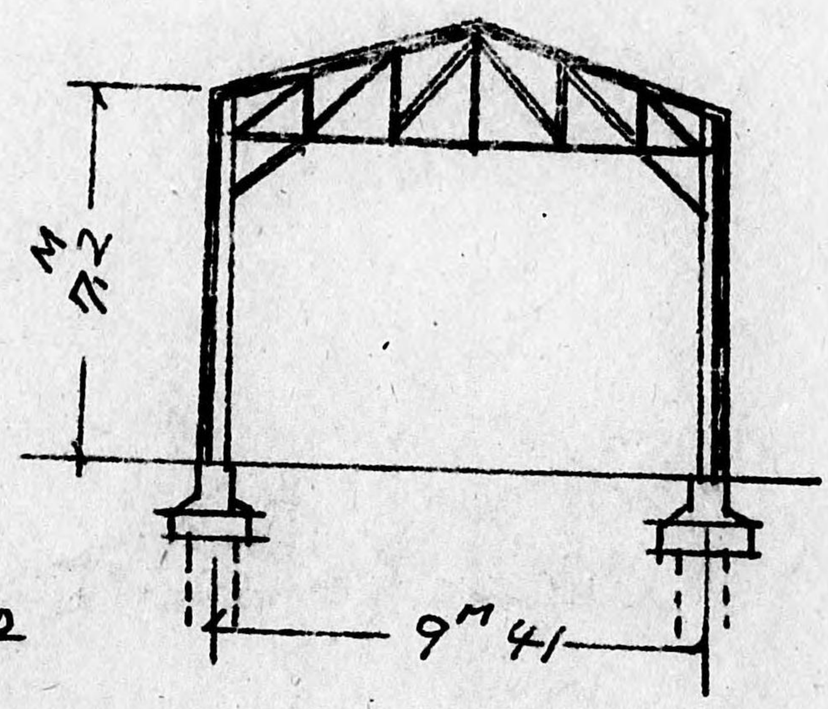


Section
Scale 1:200

26. Drawing Room

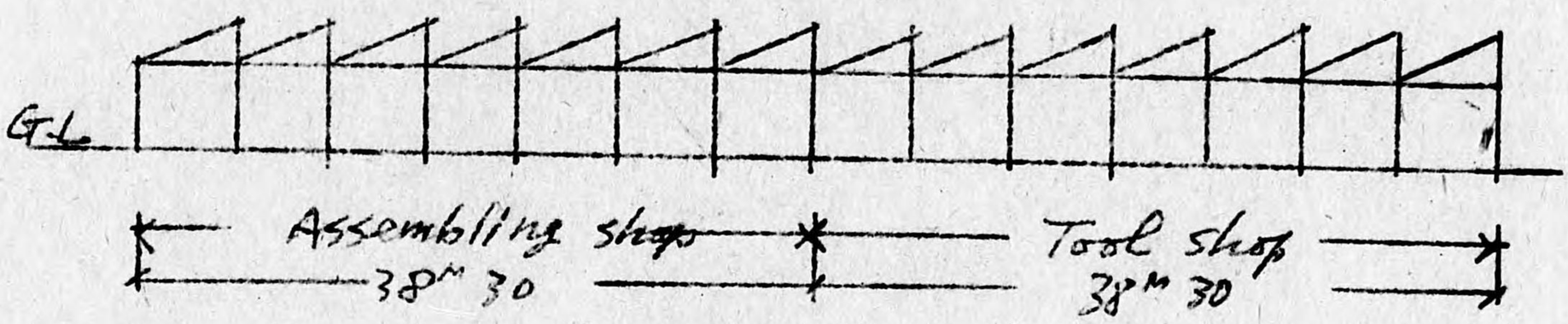


27 Electric power plant



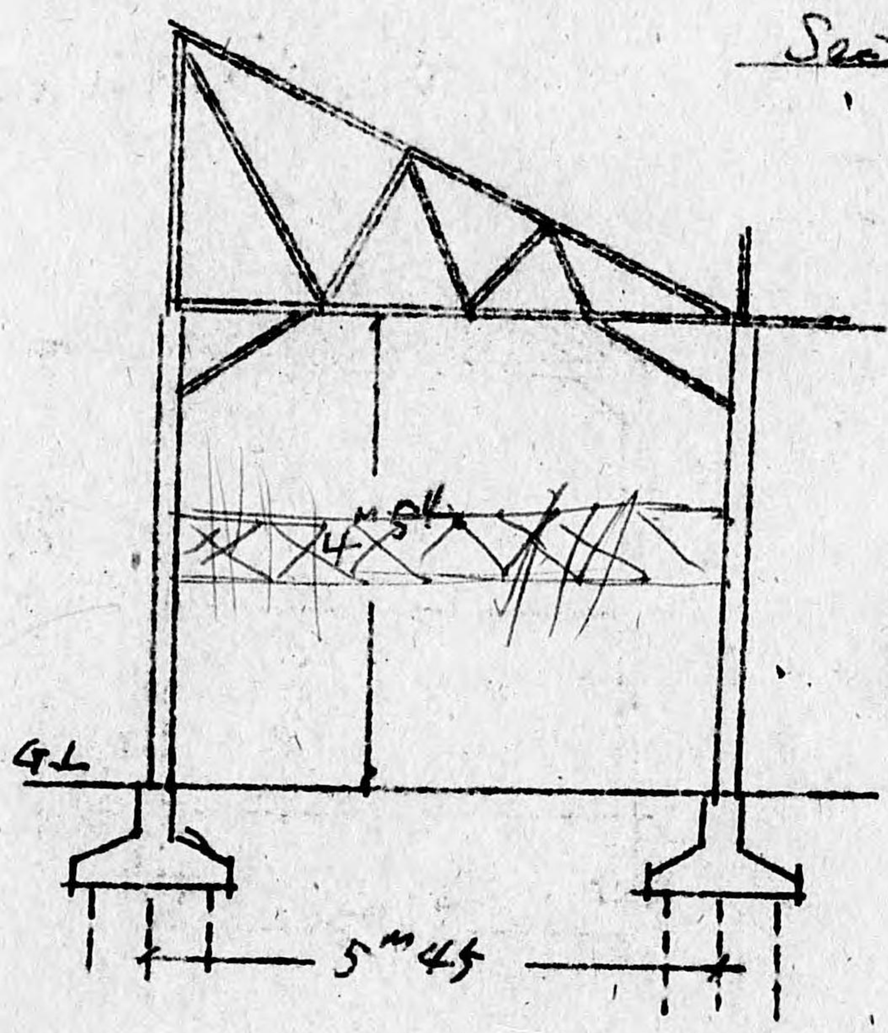
Section
Scale 1:200

28. Tool shop
29 Assembling shop



Section

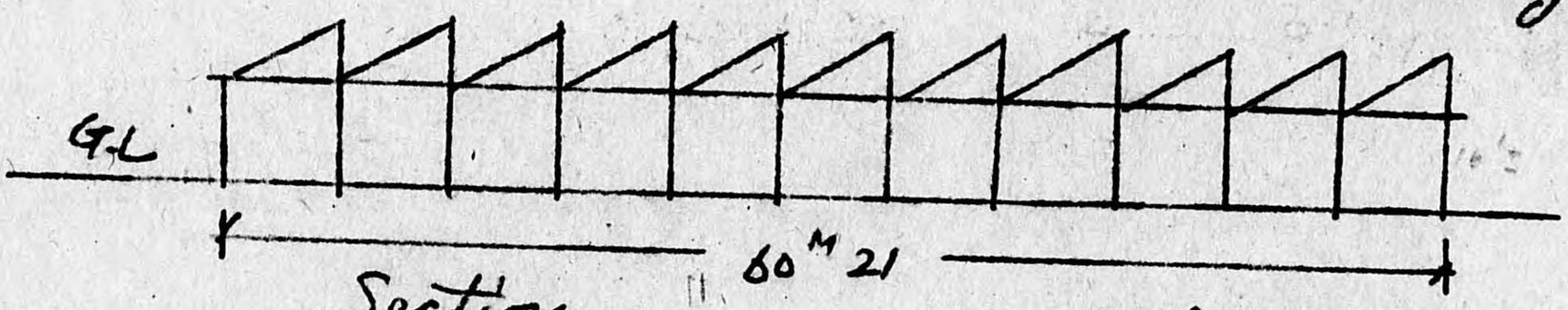
Scale 1:500



Detail

Scale 1:100

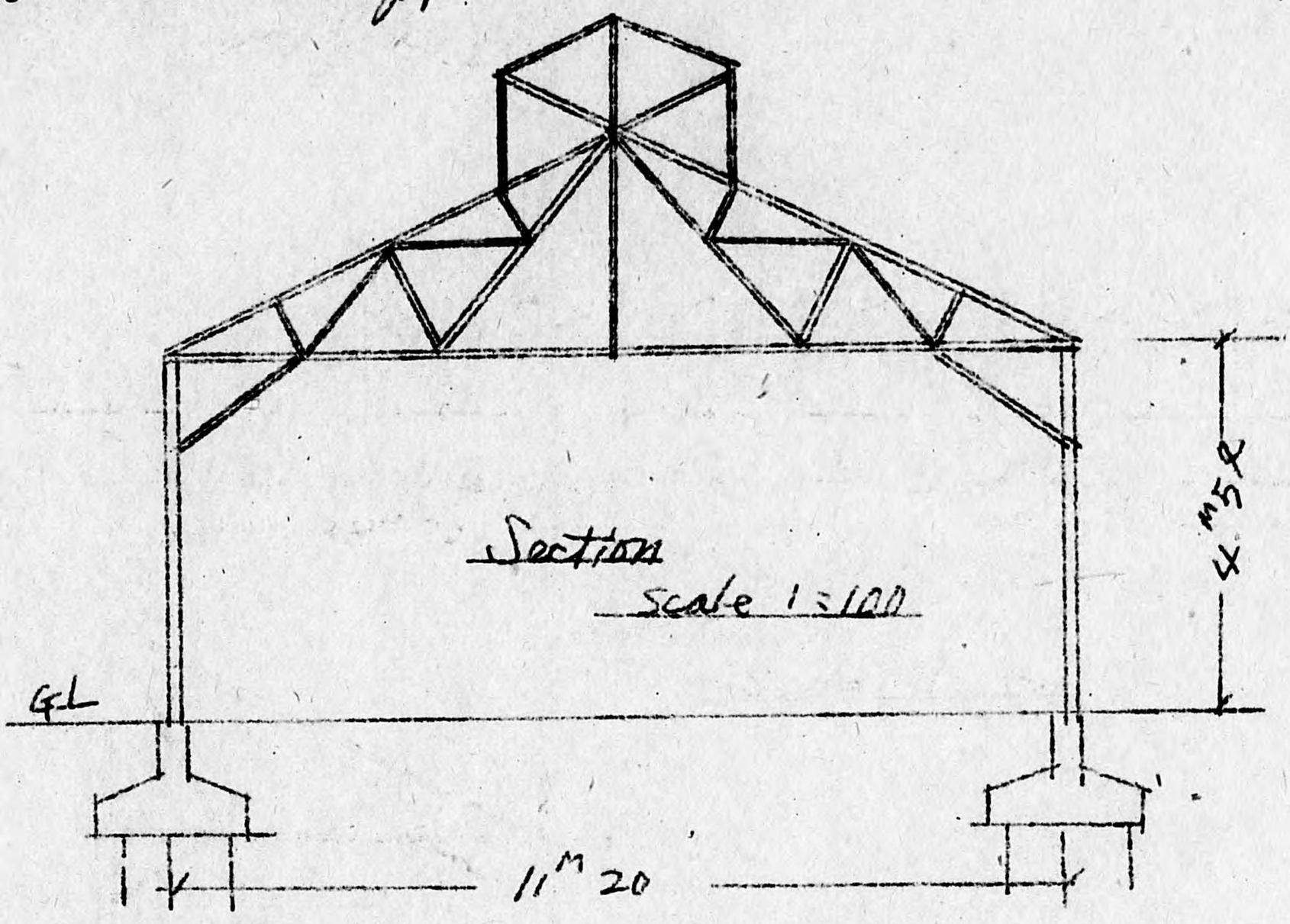
33 Shop for experimental engine (machine, finishing and assembling)



Section

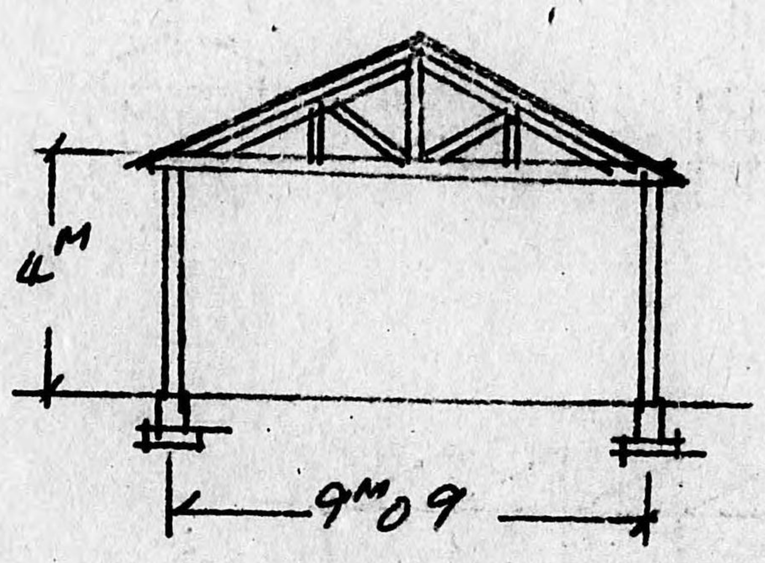
~~Scale 1:500~~

30 Steam heating plant

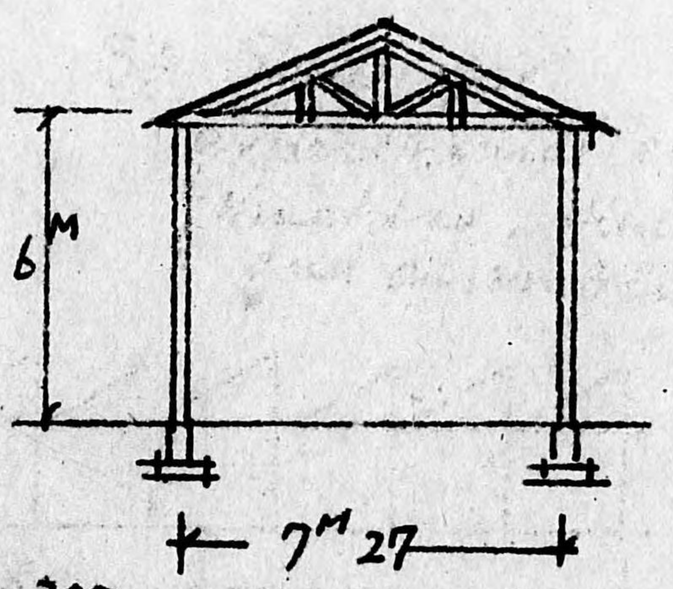


Section
Scale 1:100

31 Laboratory



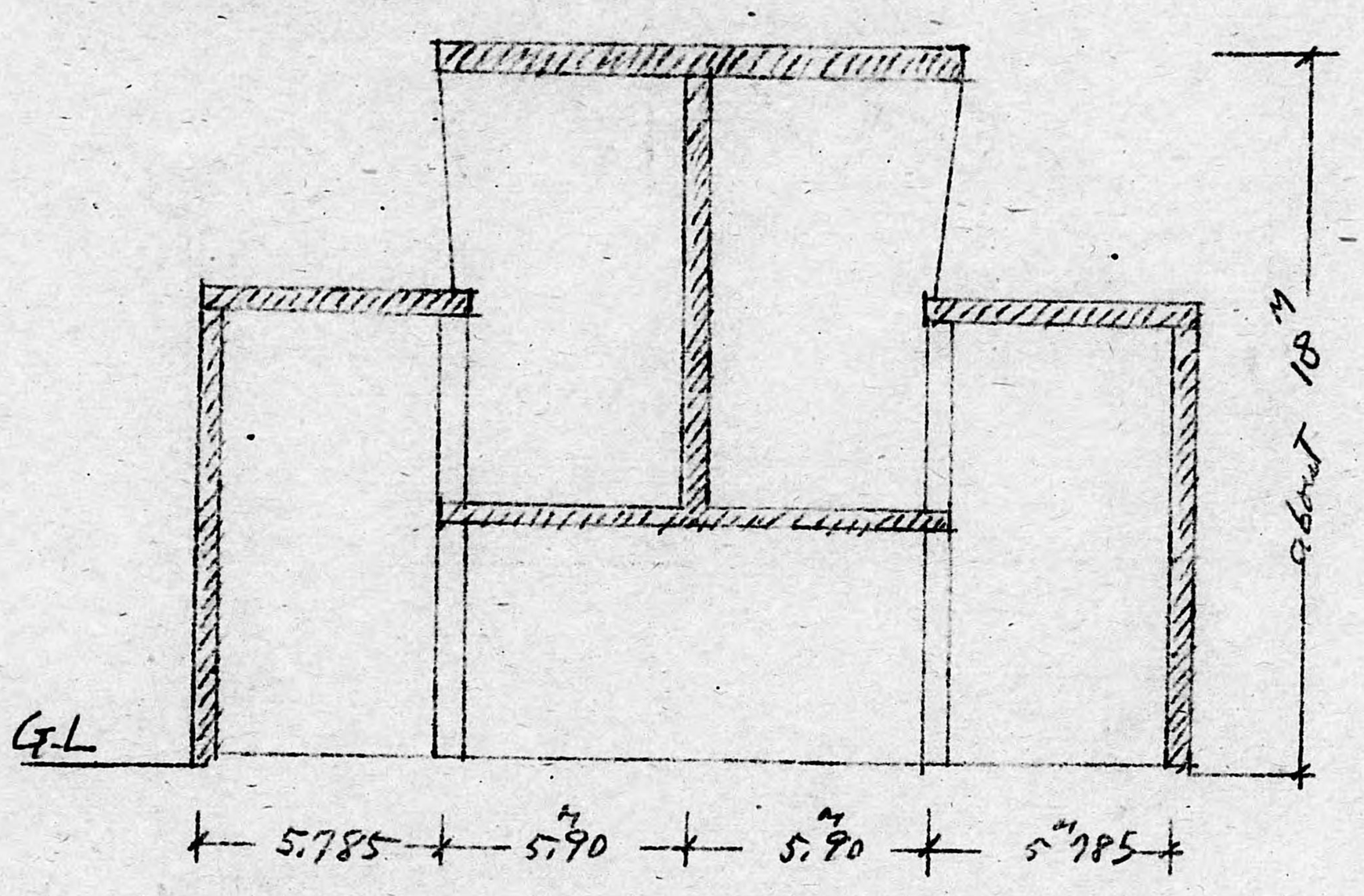
32 Laboratory



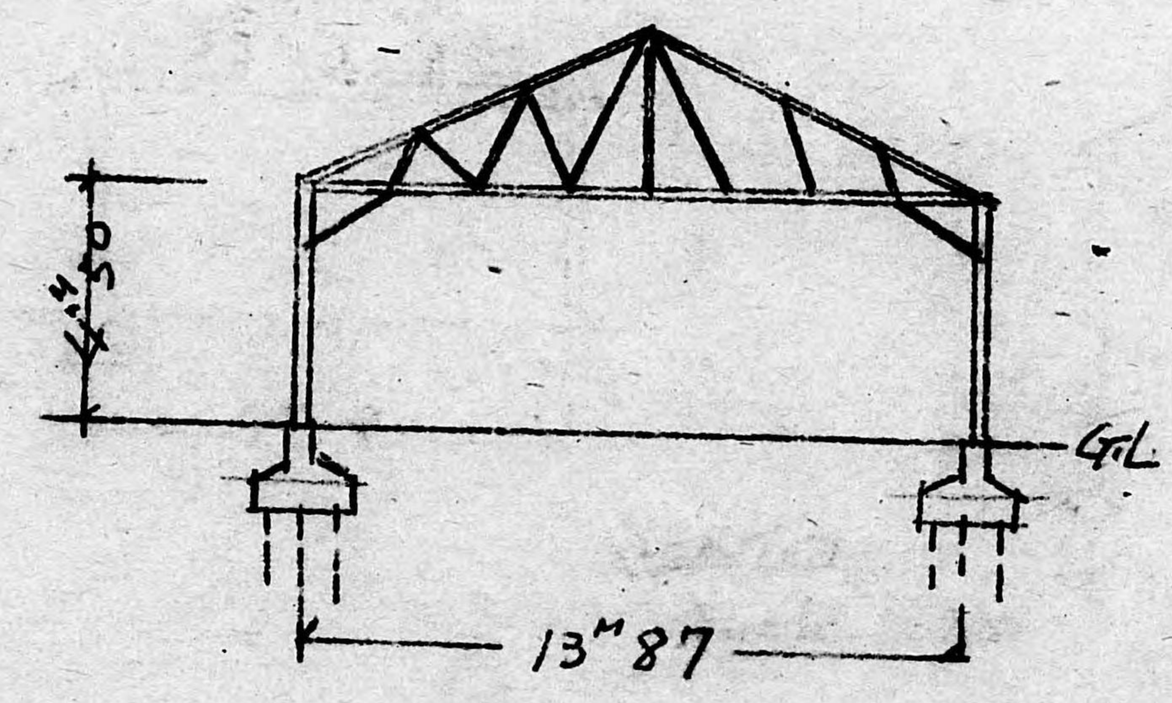
Section
Scale 1:200

34 Running test room

Section
Scale 1:200

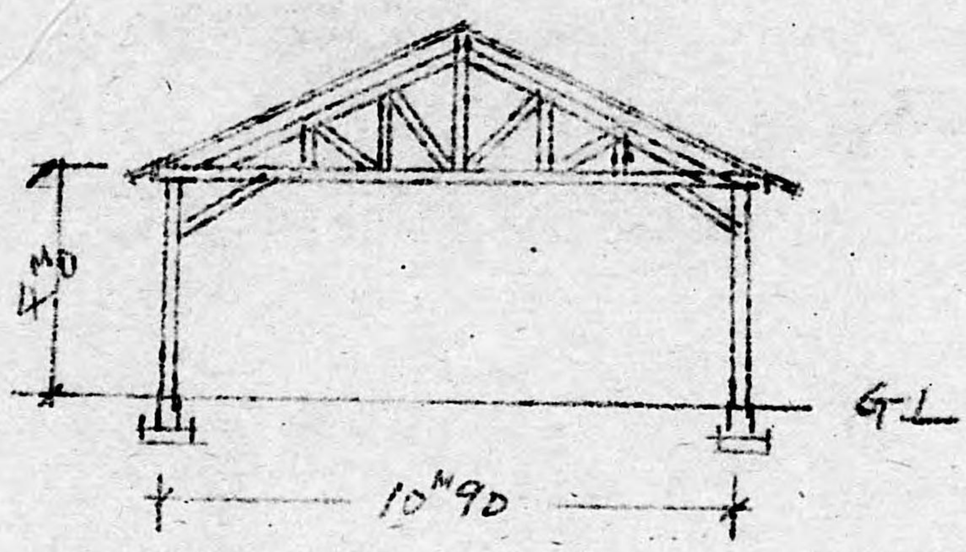


35 Laboratory



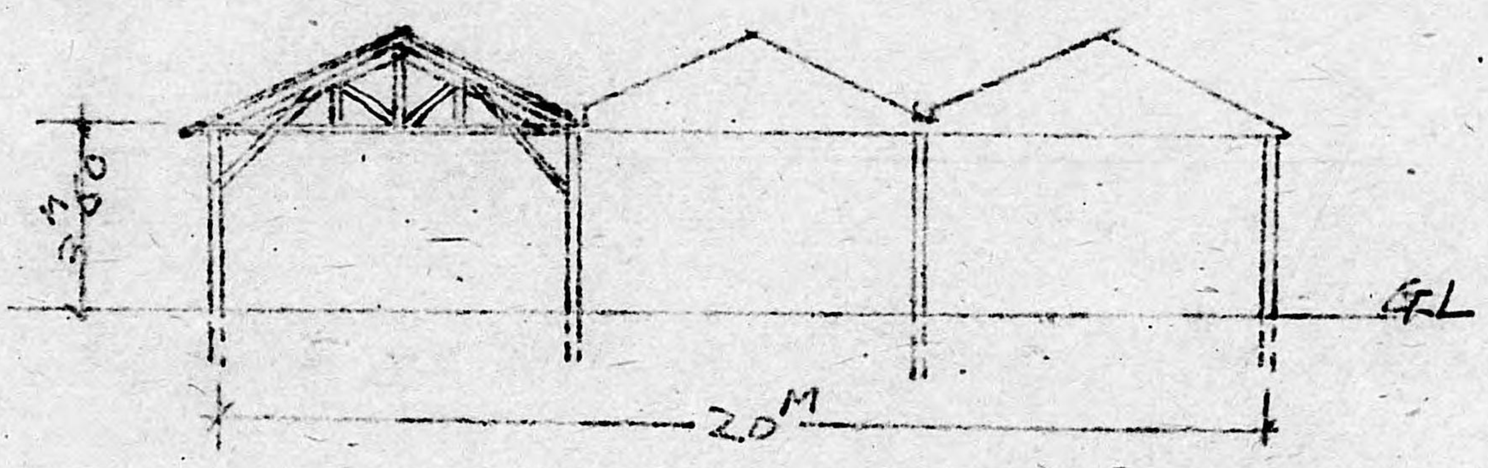
Section
1:200

36, 37 Wooden Pattern Shop



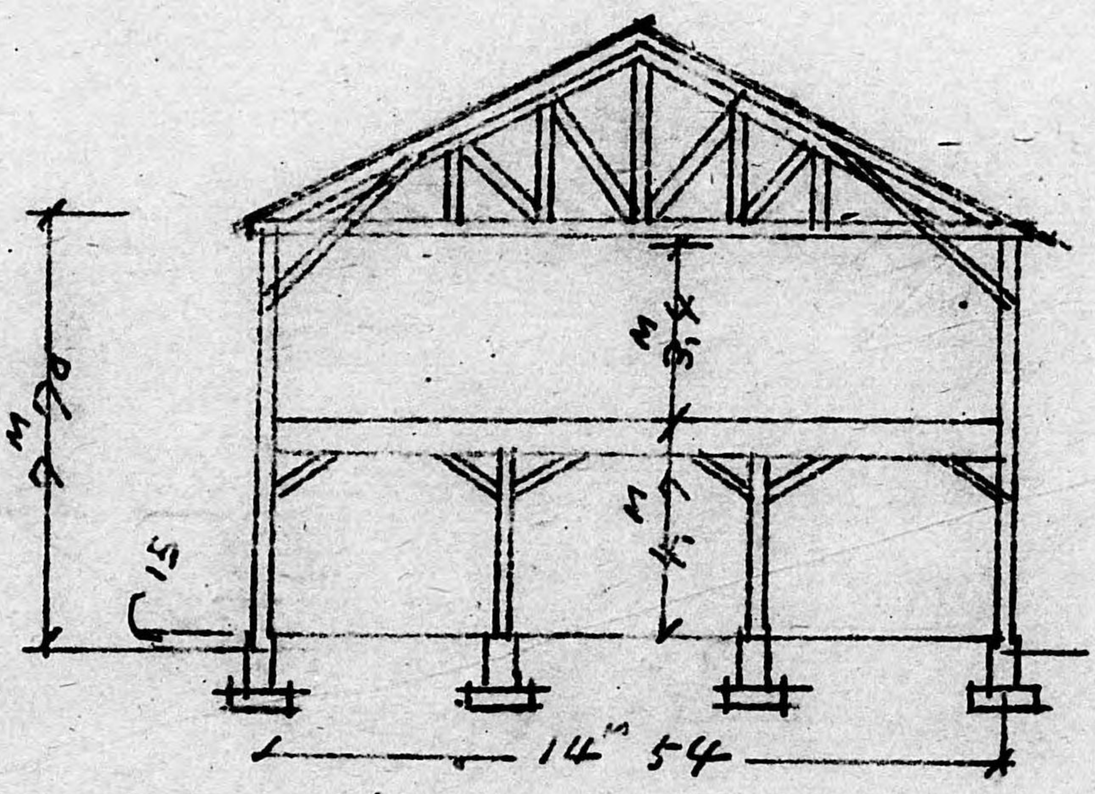
Section
Scale 1:200

38 Storage



39. Straage

Section
Scale 1:200



Section
Scale 1:200