

<b>OWNER</b>
CITY OF FRAMINGHAM FULLER MIDDLE SCHOOL 31 FLAGG DRIVE FRAMINGHAM, MA 01702
<b>ARCHITECT</b>
JONATHAN LEVI ARCHITECTS 744 BEACON STREET, SUITE 3 BOSTON, MA 02116
<b>OWNER'S PROJECT MANAGER</b>
SMMA 1000 MASSACHUSETTS AVENUE CAMBRIDGE, MA 02138
<b>CODE</b>
HOWE ENGINEERS 101 LONGWATER CIRCLE, SUITE 203 NORWELL, MA 02061
<b>COMMISSIONING AGENT</b>
JACOBS 120 ST JAMES AVENUE, 5TH FLOOR BOSTON, MA 02216
<b>SITE SURVEYOR &amp; CIVIL ENGINEER</b>
CDW CONSULTANTS, INC. 6 HURON DRIVE NATICK, MA 01760
<b>HAZARDOUS MATERIALS ENGINEER</b>
CDW CONSULTANTS, INC. 6 HURON DRIVE NATICK, MA 01760
<b>GEOTECHNICAL</b>
RSE ASSOCIATES, INC. 63 PLEASANT STREET WATERTOWN, MA 02472
<b>GEOENVIRONMENTAL</b>
MCPHAIL ASSOCIATES, LLC 2269 MASSACHUSETTS AVENUE CAMBRIDGE, MA 02140
<b>LANDSCAPE ARCHITECT</b>
CBA LANDSCAPE ARCHITECTS, LLC 24 THORNDIKE STREET, 4TH FLOOR CAMBRIDGE, MA 02141
<b>STRUCTURAL ENGINEER</b>
RSE ASSOCIATES, INC. 63 PLEASANT STREET WATERTOWN, MA 02472
<b>HVAC &amp; ELECTRICAL ENGINEER</b>
GARCIA GALUSKA DESOUSA 375 FAIRVIEW CORNER ROAD, SUITE D DARTMOUTH, MA 02747
<b>PLUMBING&amp;FIRE PROTECTION ENGINEER</b>
AKAL ENGINEERING INC. 44A CENTRAL ST, UNIT 4 BERLIN, MA 01503
<b>AUDIO VISUAL ENGINEER</b>
ACENTECH INC. 33 WOLLTON STREET CAMBRIDGE, MA 02138
<b>THEATER CONSULTANT</b>
THEATRE PROJECTS CONSULTANTS 47 WATER STREET NORWALK, CT 06854
<b>FOOD SERVICE</b>
CRABTREE McGRATH ASSOCIATES, 161 WEST MAIN STREET GEORGETOWN, MA 01833
<b>COST ESTIMATING</b>
MIYAKODA CONSULTING, INC. PO BOX 47 RAYNHAM, MA 02767
<b>SUSTAINABLE DESIGN</b>
THE GREEN ENGINEER 23 BRADFORD STREET, 1ST FLOOR CONCORD MA 01742
<b>ACOUSTICS CONSULTANT</b>
ACENTECH INC. 33 WOLLTON STREET CAMBRIDGE, MA 02138
<b>TRAFFIC CONSULTANT</b>
PARE CORPORATION 10 LINCOLN ROAD, SUITE 103 FOXBURG, MA 02035
<b>ELEVATOR CONSULTANT</b>
VAN DEUSEN & ASSOCIATES 101 SUMMER STREET, 4TH FLOOR BOSTON, MA 02210
<b>DOOR HARDWARE CONSULTANT</b>
ALLEGION PLC 77 WICKFORD STREET NEEDHAM, MA 02494
<b>SPECIFICATIONS CONSULTANT</b>
WIL-SPEC LLC LYNNFIELD MEDICAL OFFICE BUILDING 15 POST OFFICE SQUARE LYNNFIELD, MA 01940
<b>FURNITURE &amp; EQUIP CONSULTANT</b>
TAVARES DESIGN ASSOCIATES, INC. 591 NORTH AVENUE, BOOR 3 WAKEFIELD, MA 01880

**CITY OF FRAMINGHAM, MA**  
**PROJECT #1722**

**FULLER MIDDLE SCHOOL**

**31 FLAGG DRIVE, FRAMINGHAM, MA**

CONSTRUCTION  
DOCUMENTS PACKAGE  
(CONFORMANCE SET)

2/10/2020

Volume:3



DRAWING INDEX

VOLUME: 1

Table with columns: BID PACKAGE, REVISION DATE, REVISION DESCRIPTION, and drawing details for categories like LIFE SAFETY, GEOTECHNICAL, CIVIL, IRRIGATION, LANDSCAPE, ARCHITECTURAL, and FOODSERVICE.

ESP = EARLY SITE PACKAGE issued 5/10/2019
ECSP = EARLY CONCRETE & STEEL PACKAGE issued 8/9/2019
CDP = CONSTRUCTION DOCUMENTS PACKAGE issued 11/22/2019

VOLUME: 2

Table with columns: BID PACKAGE, REVISION DATE, REVISION DESCRIPTION, and drawing details for categories like STRUCTURAL, FIRE PROTECTION, PLUMBING, HVAC, ELECTRICAL, and THEATER.

VOLUME: 3

EXISTING FULLER MIDDLE SCHOOL DRAWINGS - FOR REFERENCE

Table with columns: BID PACKAGE, REVISION DATE, REVISION DESCRIPTION, and drawing details for categories like ELECTRICAL and THEATER.

CITY OF FRAMINGHAM, MA
FULLER MIDDLE SCHOOL
PROJECT #1722
31 FLAGG DRIVE, FRAMINGHAM, MA

CONSTRUCTION DOCUMENTS PACKAGE (CONFORMANCE SET)

2/10/2020

Volume:3









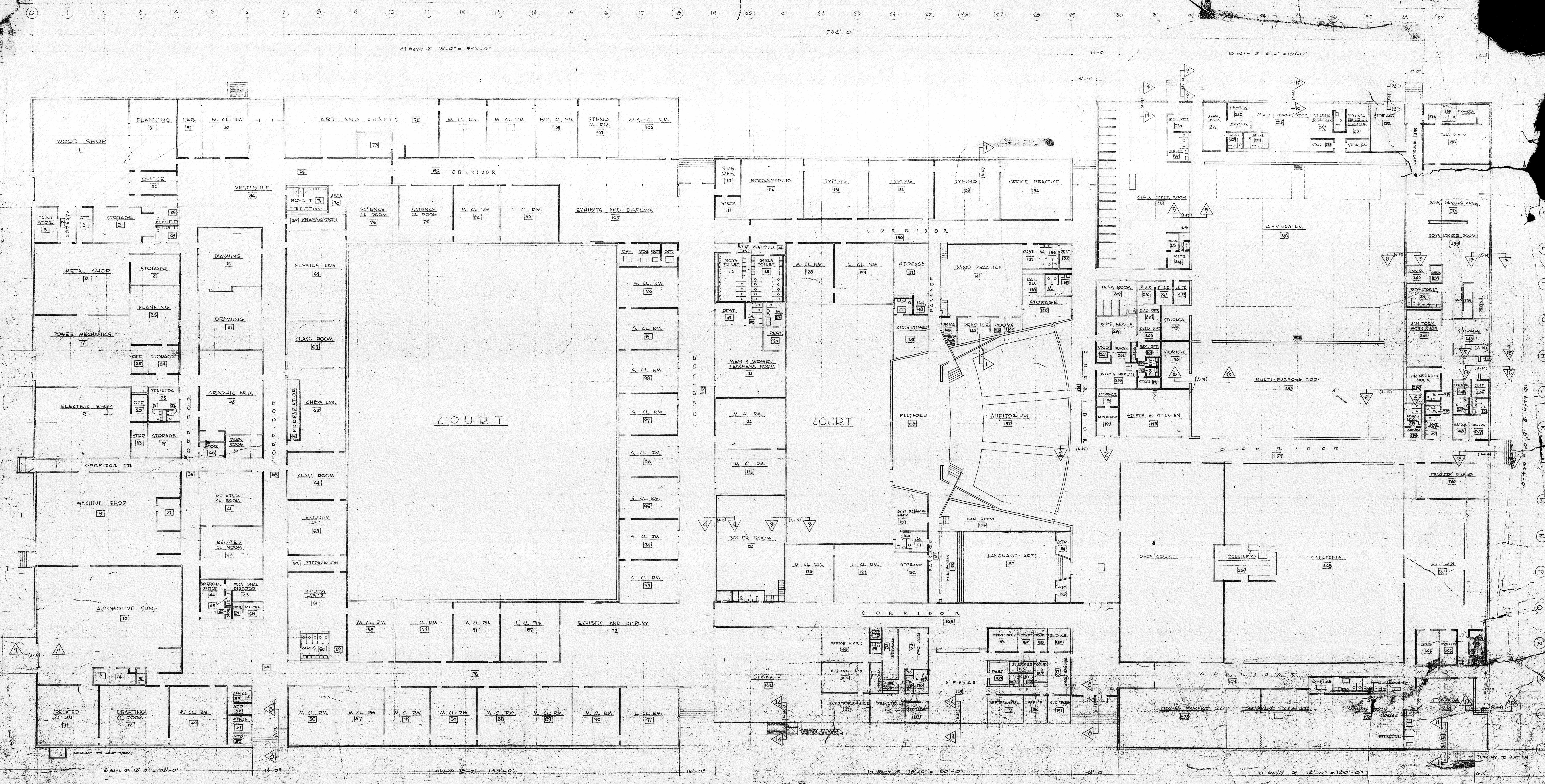












# MASTER FLOOR PLAN

SCALE  $\frac{1}{16}'' = 1'-0''$

**NOTE**

THIS MASTER FLOOR PLAN IS NOT TO BE USED FOR THE PURPOSE OF LAYOUT, GET PARTITION, EQUIPMENT, OR ANY KIND ETC. AND NO DIMENSIONS ARE TO BE TAKEN FROM IT OTHER THAN GIVEN. THE PLAN IS TO BE USED ONLY AS A GENERAL FOR THE PURPOSE OF KNOWING THE VARIOUS WALL SECTIONS, DETAILS, AND TO ORIENT THE CONTRACTORS THE GENERAL LAYOUT OF THE BUILDING.

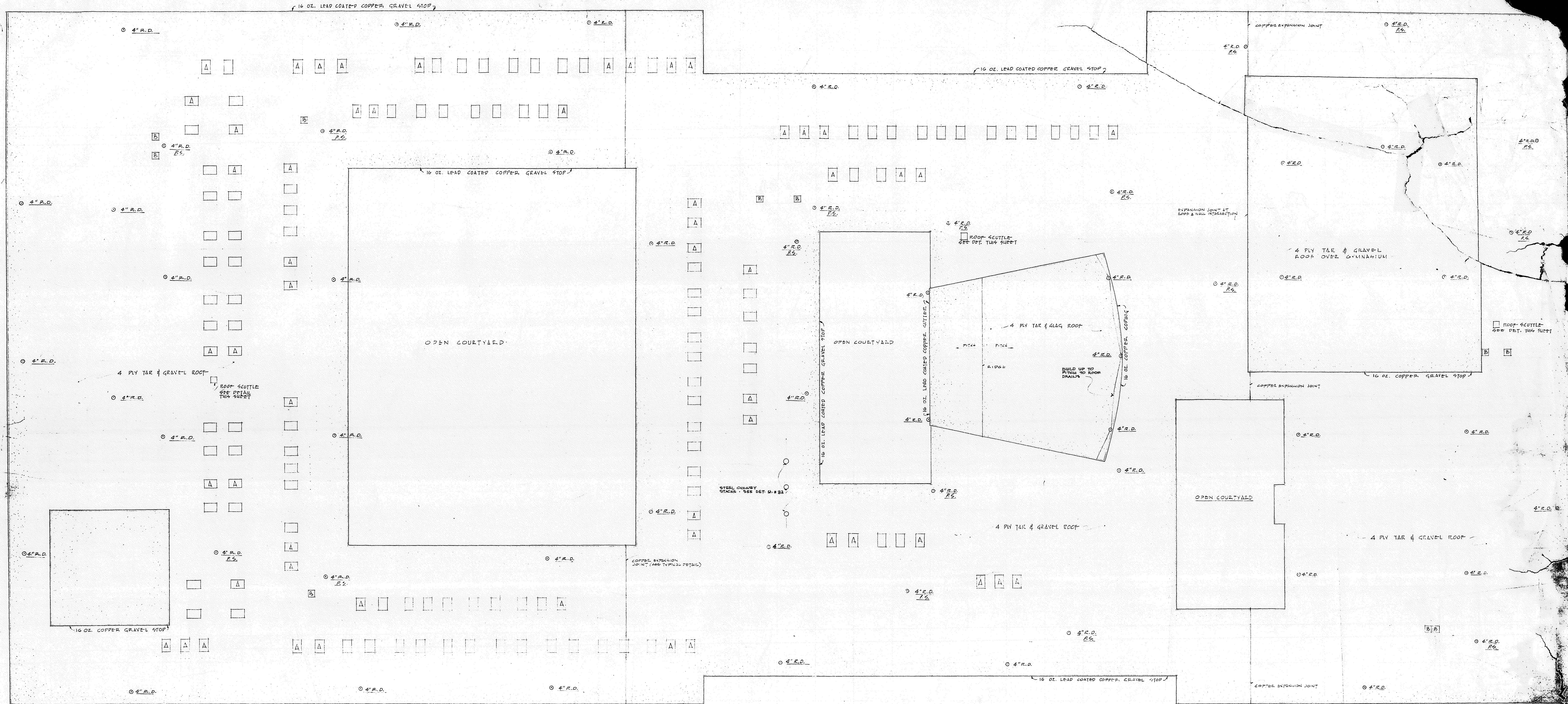
**MASTER FLOOR PLAN**

FRAMINGHAM HIGH SCHOOL  
 FLAGG DRIVE  
 FRAMINGHAM, MASSACHUSETTS

NO. 433  
 BOSTON, MASS.

DRAWN BY F. L. BATHMAN 25, HSC  
 CHECKED BY T. S. BATHMAN

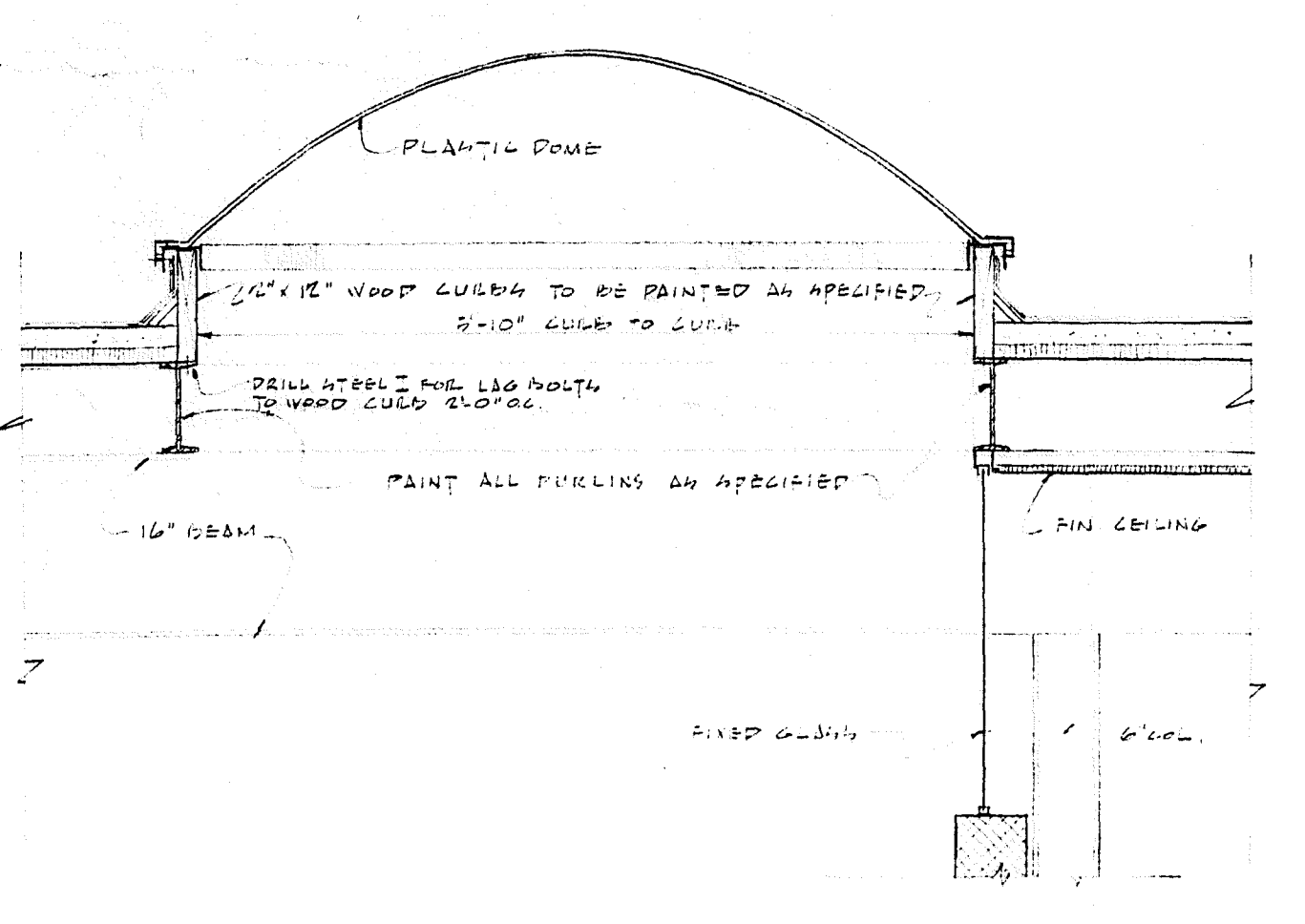




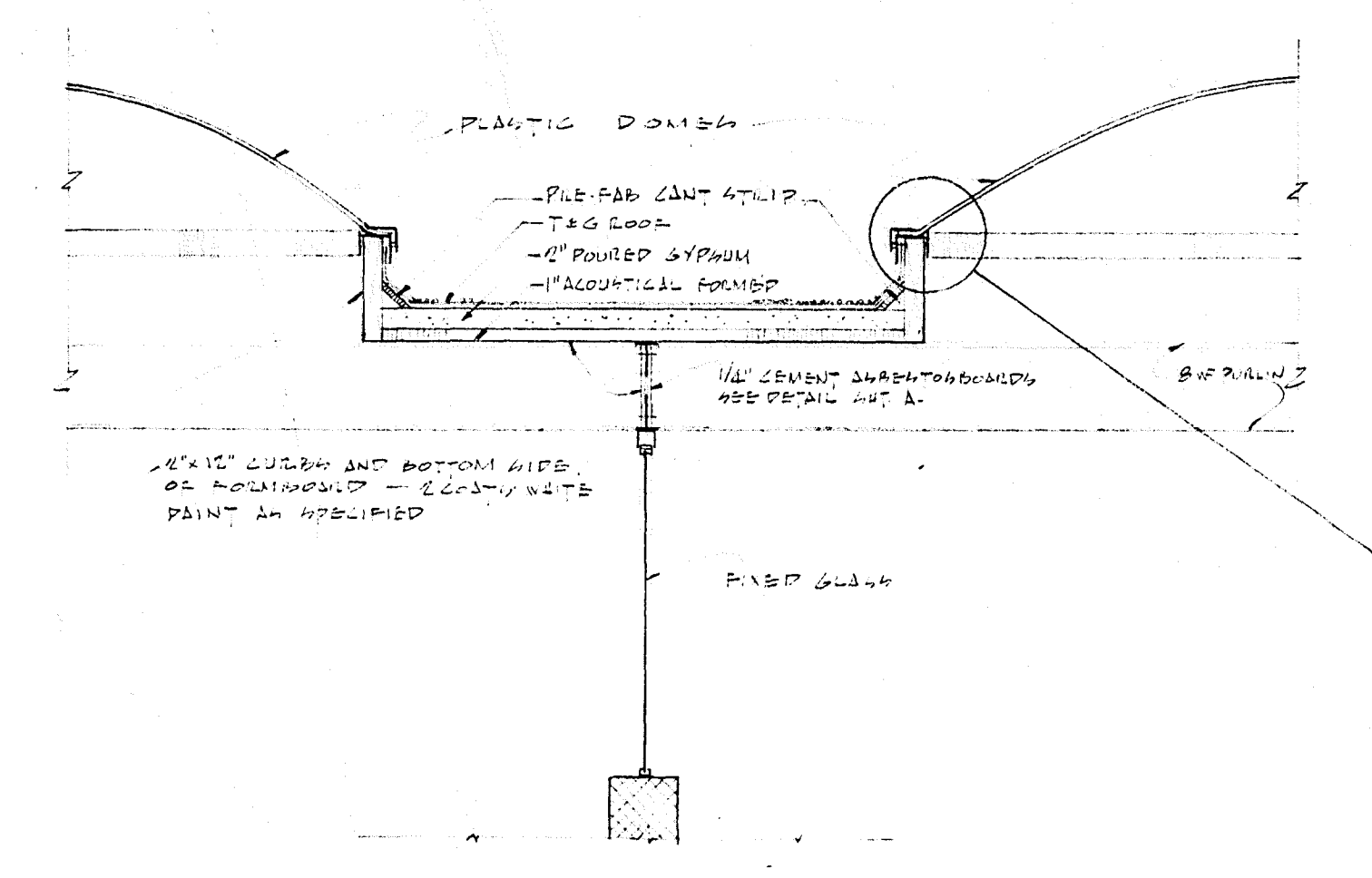
# ROOF PLAN

SCALE 1/8" = 1'-0"

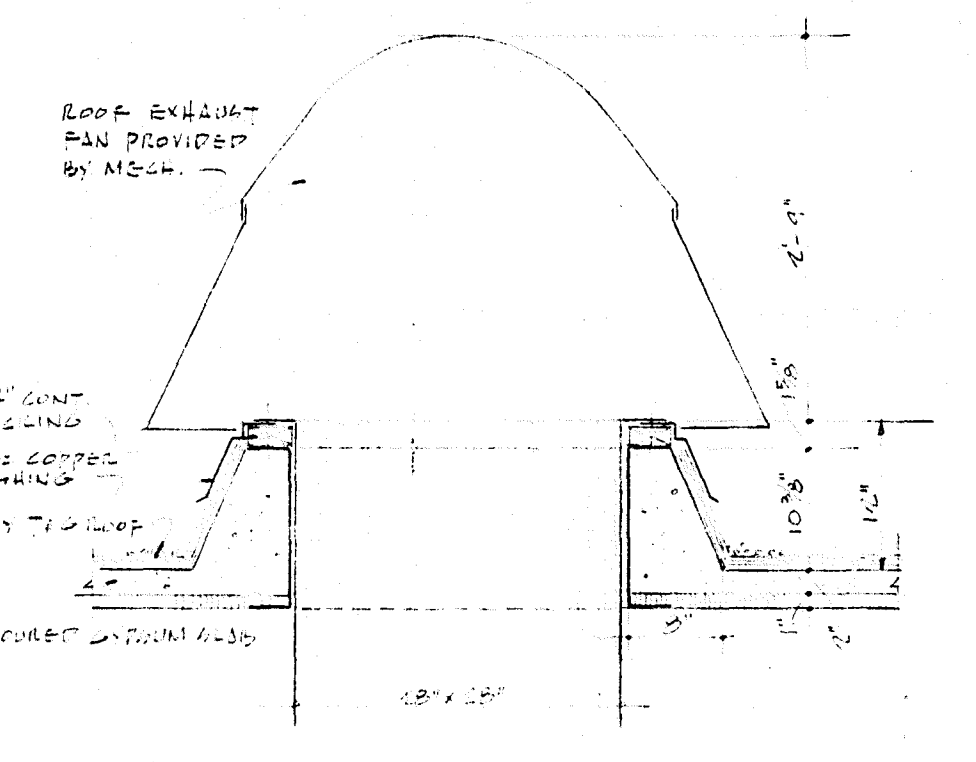
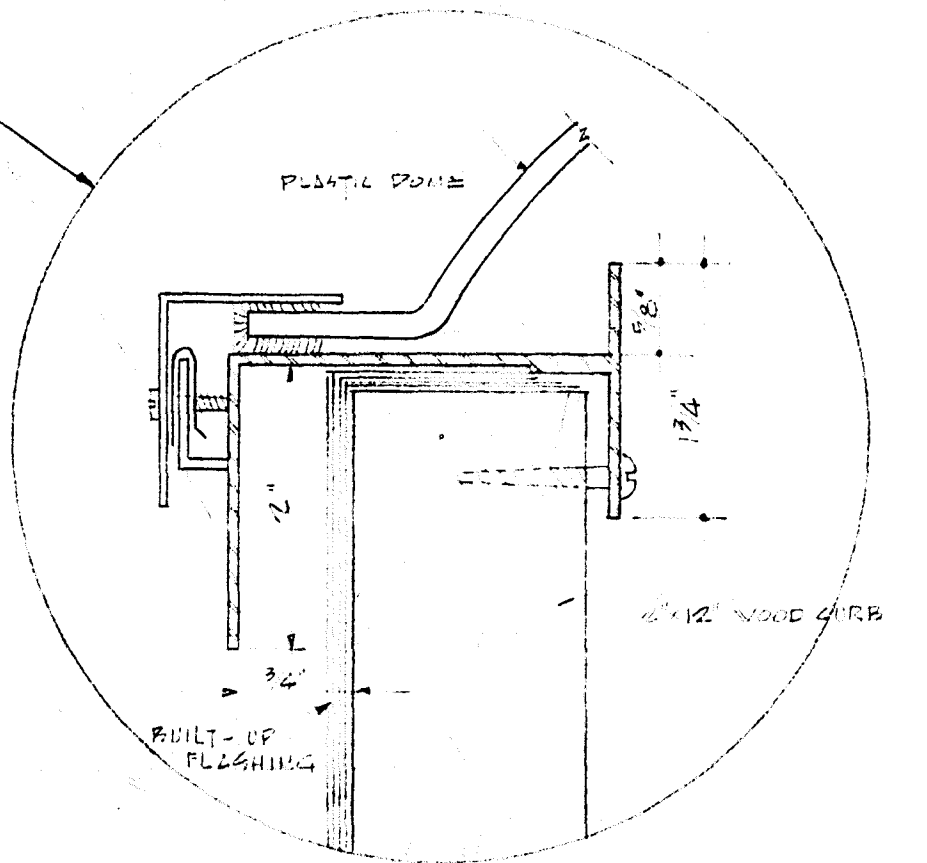
NOTE: P.S. INDICATES ROOF LOCATED INSIDE



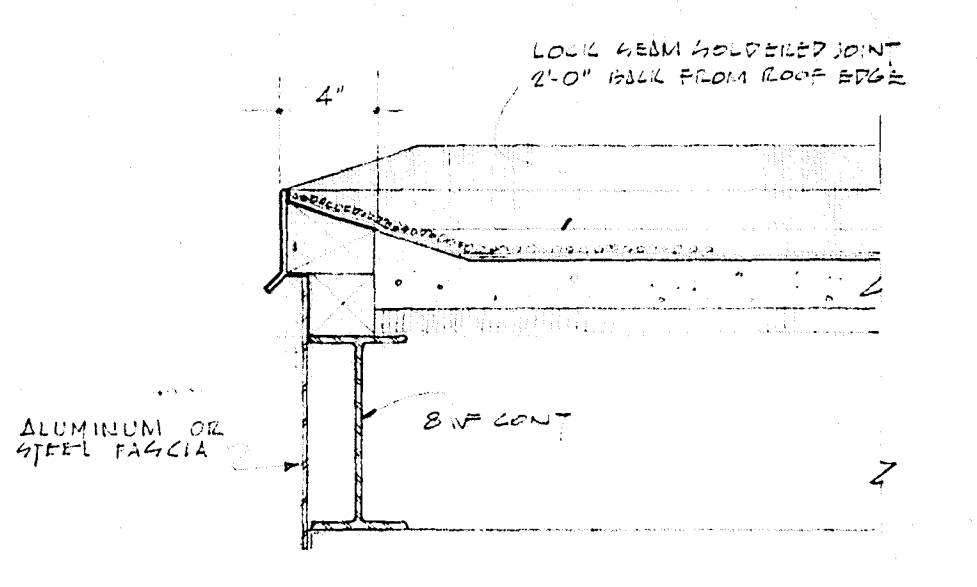
TYPICAL CROSS SECTION WITH EAVES



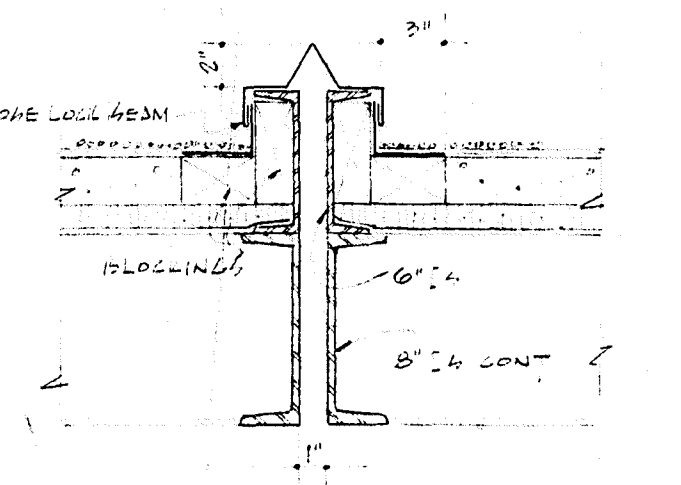
TYPICAL LONGITUDINAL SECTION AND TYPICAL SECTION BETWEEN SKY COVERS



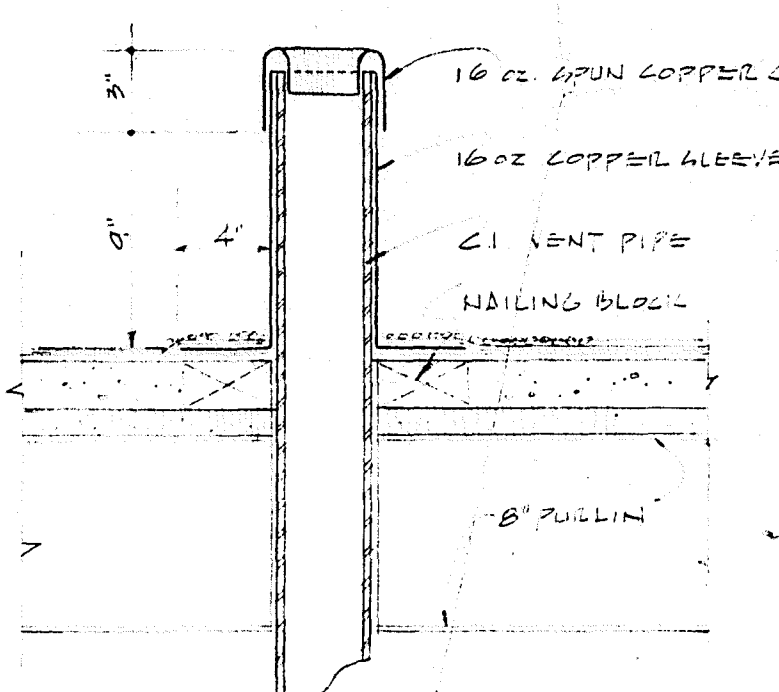
TYPICAL DETAIL OF ROOF EXHAUST FAN



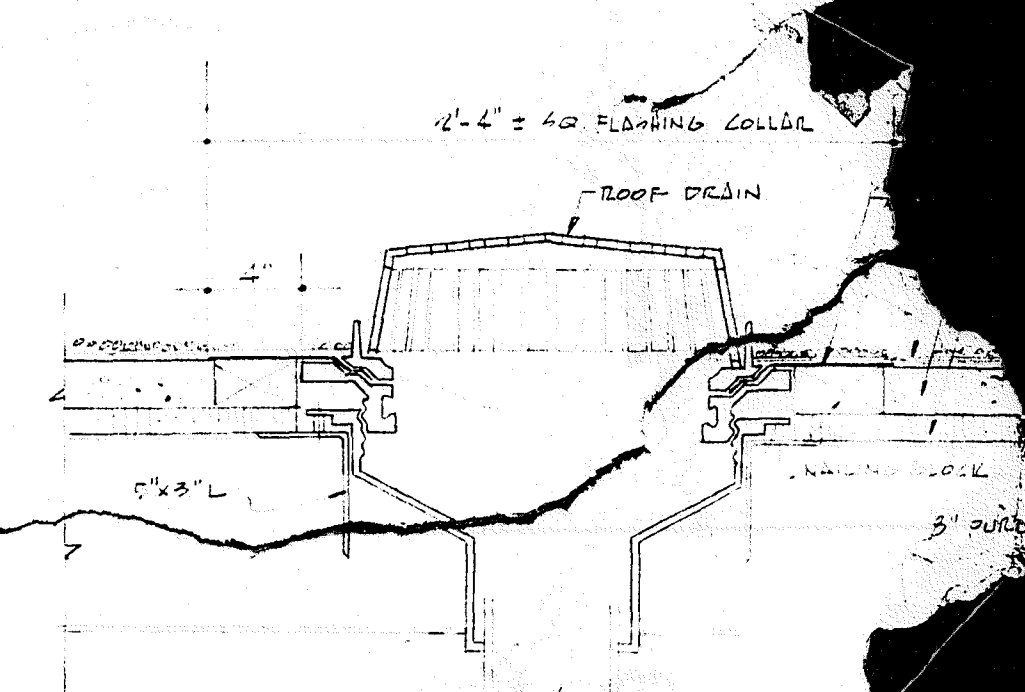
SECTION A: ROOF RIDGE



TYPICAL EXPANSION JOINT AT ROOF



VENT STACK THRU ROOF



TYPICAL ROOF DRAIN DETAIL

**ROOF PLAN AND DETAILS**

PREPARED BY: [Name]

DATE: [Date]

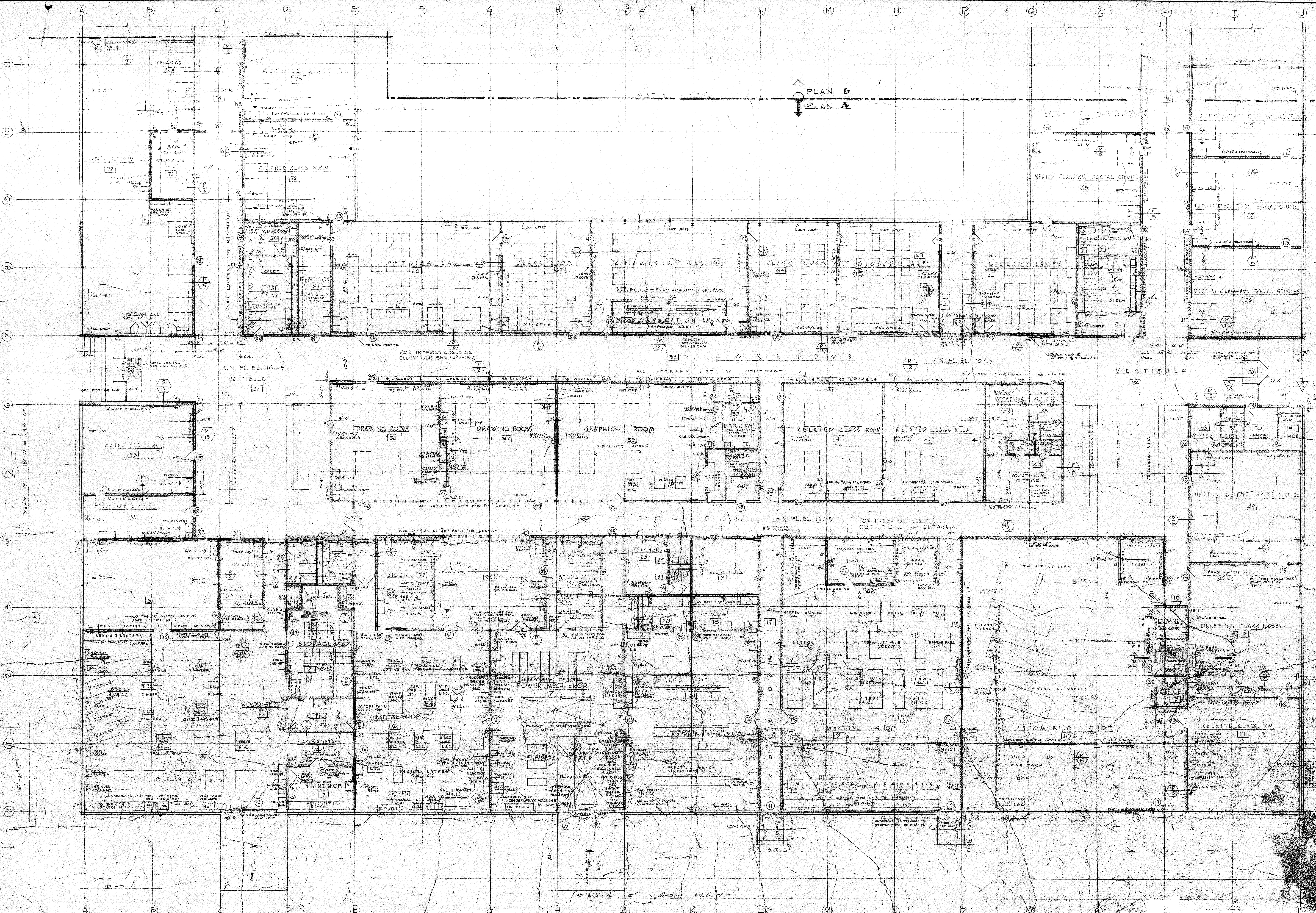
SCALE: 1/8" = 1'-0"

PROJECT: [Project Name]

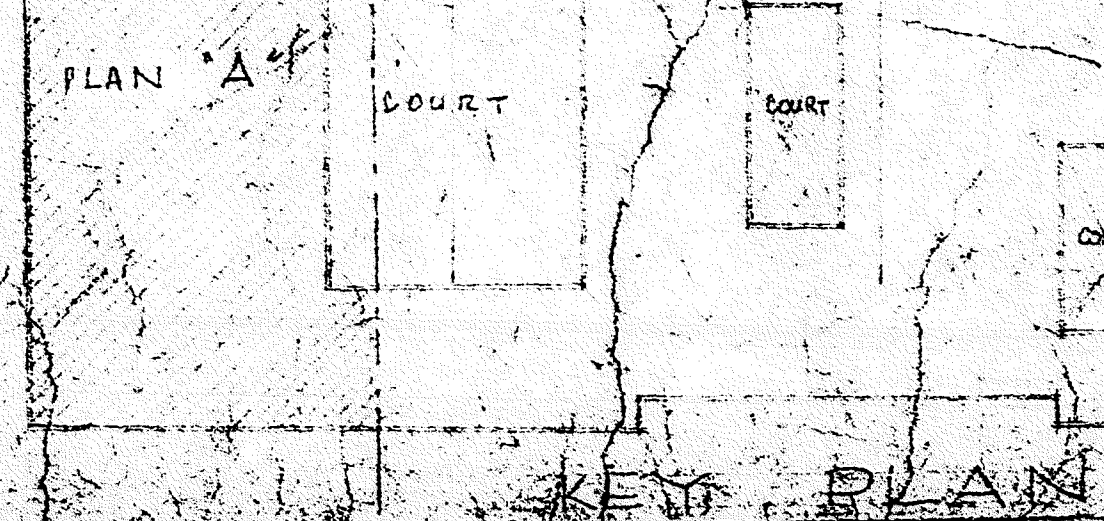
OWNER: [Owner Name]

ARCHITECT: [Firm Name]





PLAN B  
PLAN A



- FIRE EXTINGUISHER TYPES
- 1 BRACKET MOUNTED 2 1/2 GAL. WATER CARTRIDGE
  - 2 RECESSED CABINET 2 1/2 GAL. WATER CARTRIDGE
  - 3 BRACKET MOUNTED 5 GAL. CO<sub>2</sub>
  - 4 BRACKET MOUNTED 5 GAL. CO<sub>2</sub>

NOTE:  
NOT TO SCALE

**FLOOR PLAN**

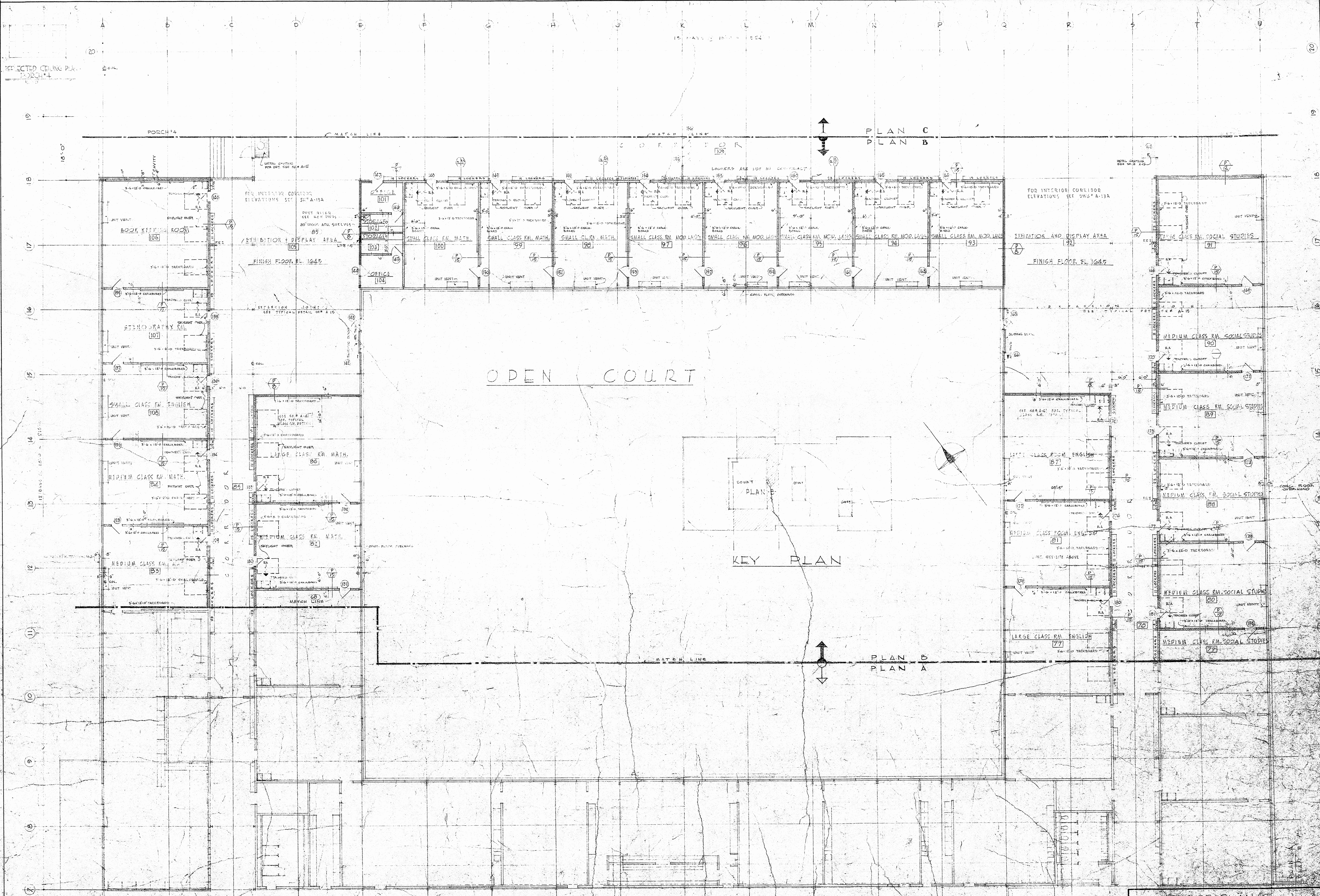
BRANFORD HIGH SCHOOL  
BRACED DRIVE  
BRANFORD, MASSACHUSETTS

**SAMUEL GLASSER ASSOCIATES**  
ARCHITECTS - ENGINEERS  
165 HUNTER STREET - BOSTON, MASSACHUSETTS

DRAWN BY G.S. DATE MAY 26 1956 JOB NO. 5608

CHECKED BY T.S.S. APPROVED BY





REFLECTED CEILING PLAN  
 20'-0"

PLAN C  
 PLAN B

OPEN COURT

KEY PLAN

PLAN B  
 PLAN A

**FLOOR PLAN B**

FRAMINGHAM HIGH SCHOOL  
 FLAGO DRIVE  
 FRAMINGHAM, MASSACHUSETTS

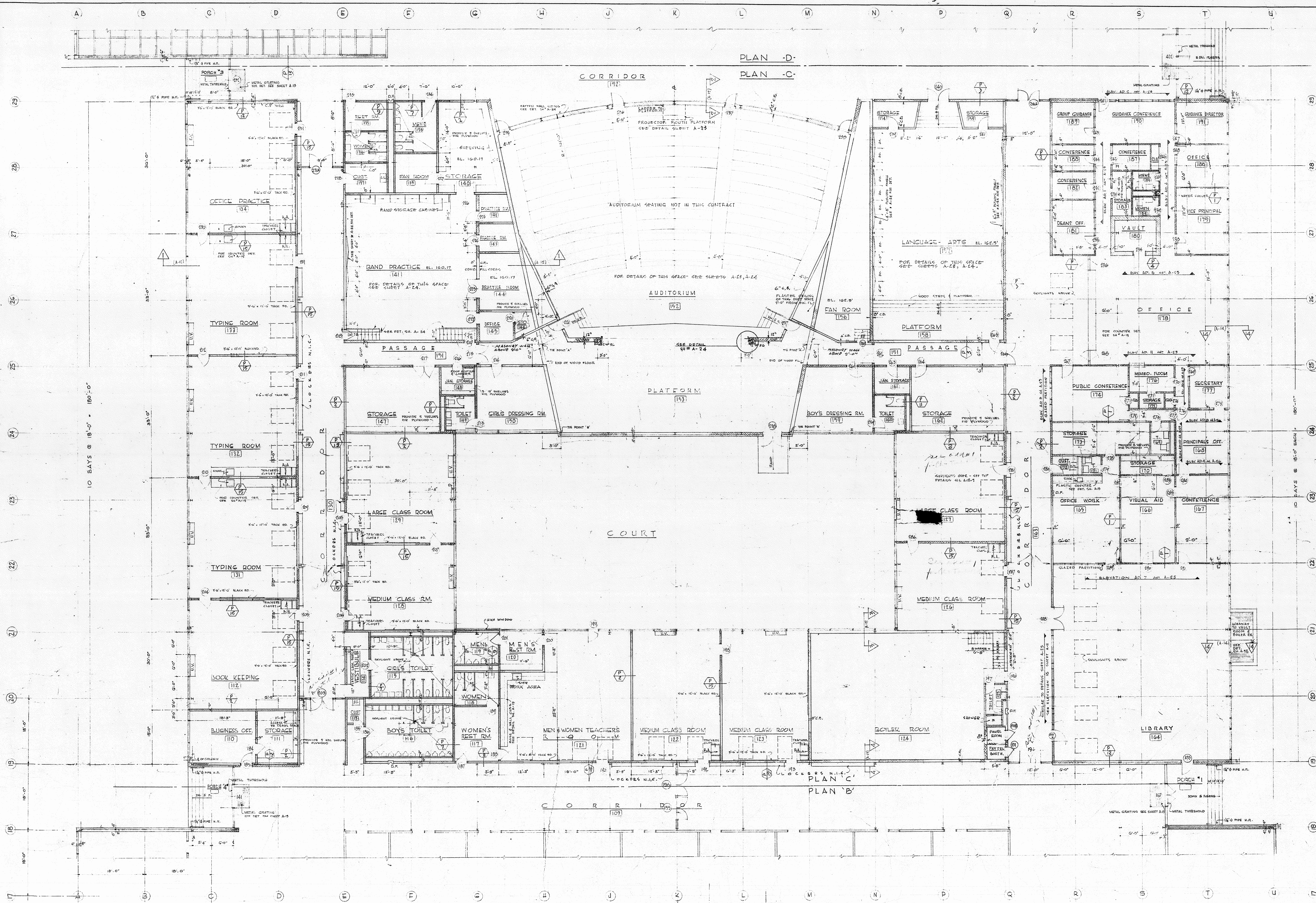
SAMUEL GLASER ASSOCIATES  
 ARCHITECTS & ENGINEERS  
 100 NEWBURY STREET, CAMBRIDGE, MASSACHUSETTS

NOTED N.I.C.  
 NOT IN CONTRACT

FIRE EXTINGUISHER TYPES:  
 1 BRACKET MOUNTED 2 1/2 GAL. WATER CAPACITOR  
 2 PORTABLE CARBON DIOXIDE 5 GAL. WATER CAPACITOR  
 3 PORTABLE CARBON DIOXIDE 5 GAL. WATER CAPACITOR

105





PLAN -D-  
PLAN -C-

PLAN 'B'

**FLOOR PLAN 'C'**

FRAMINGHAM HIGH SCHOOL  
 FLAGG DRIVE  
 FRAMINGHAM, MASSACHUSETTS

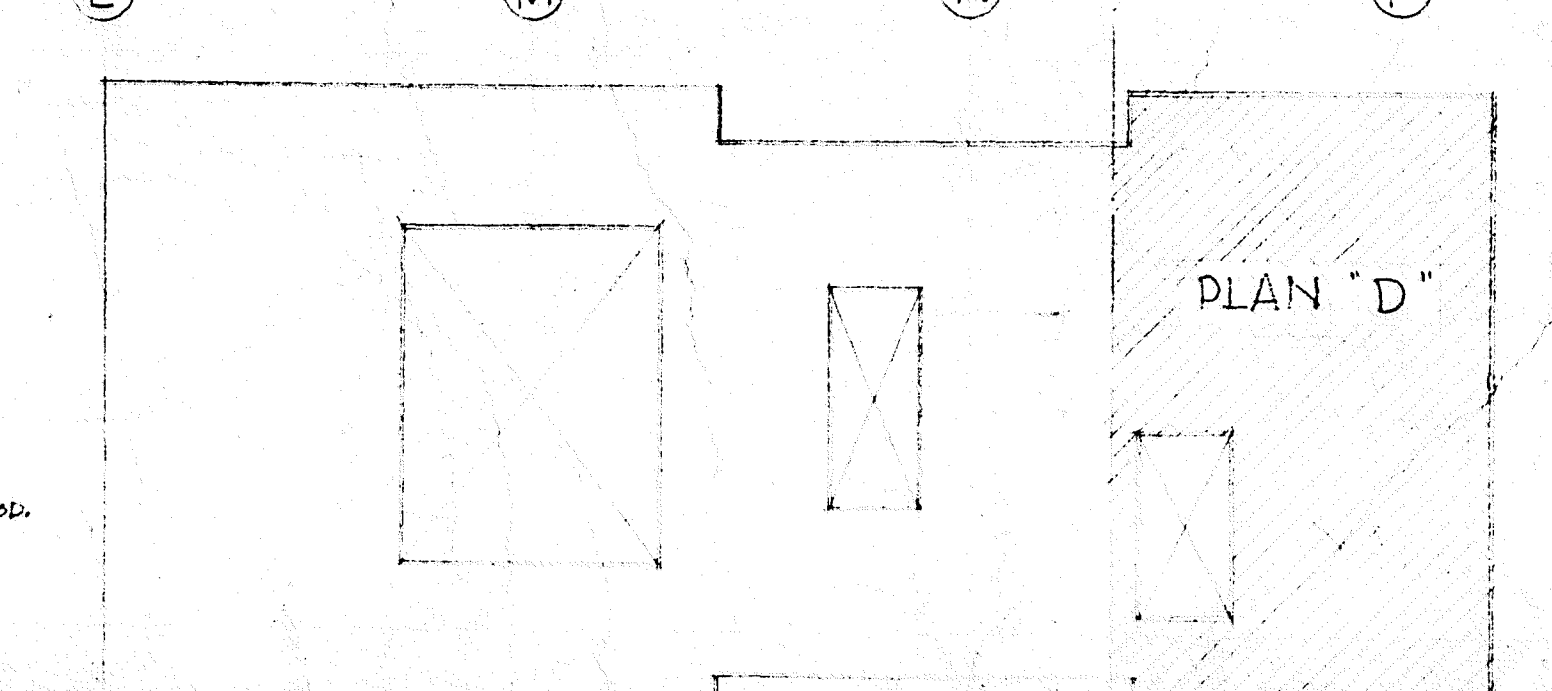
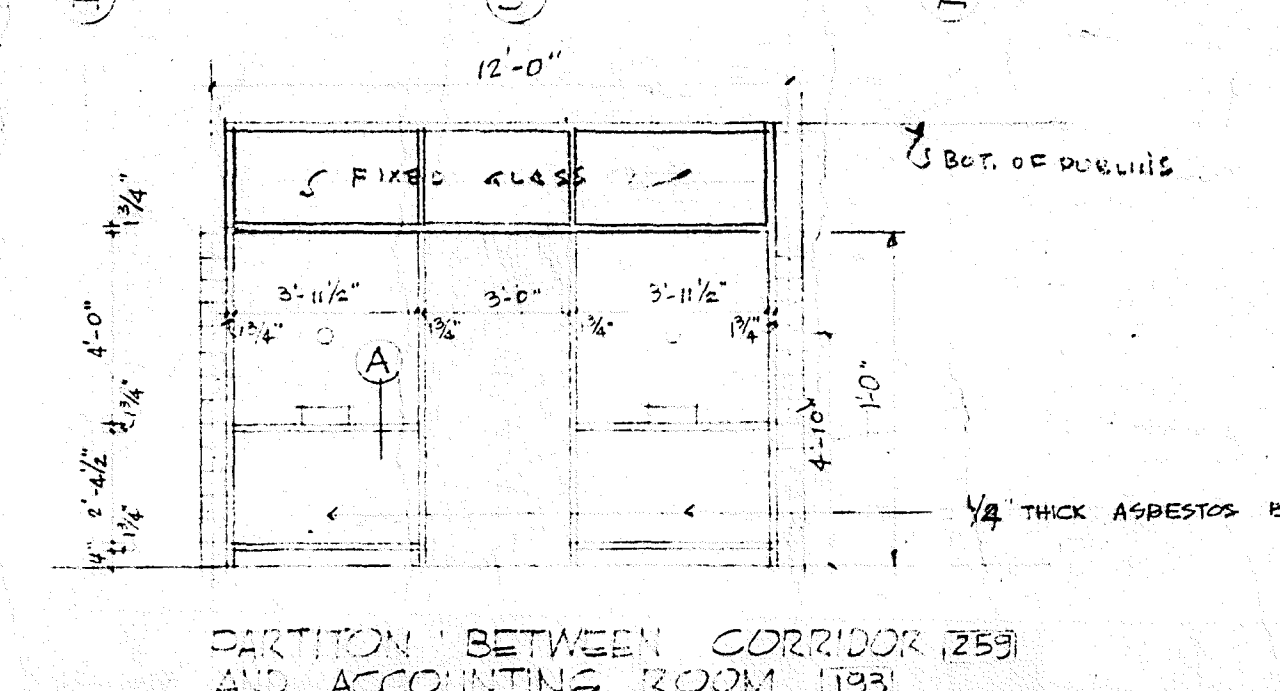
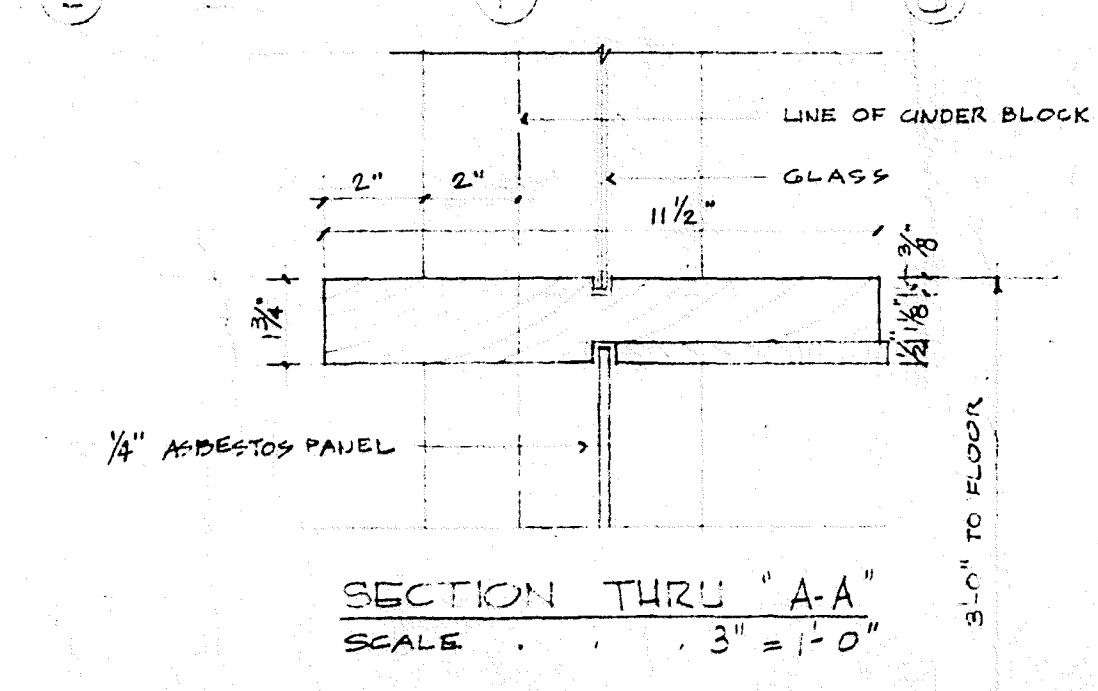
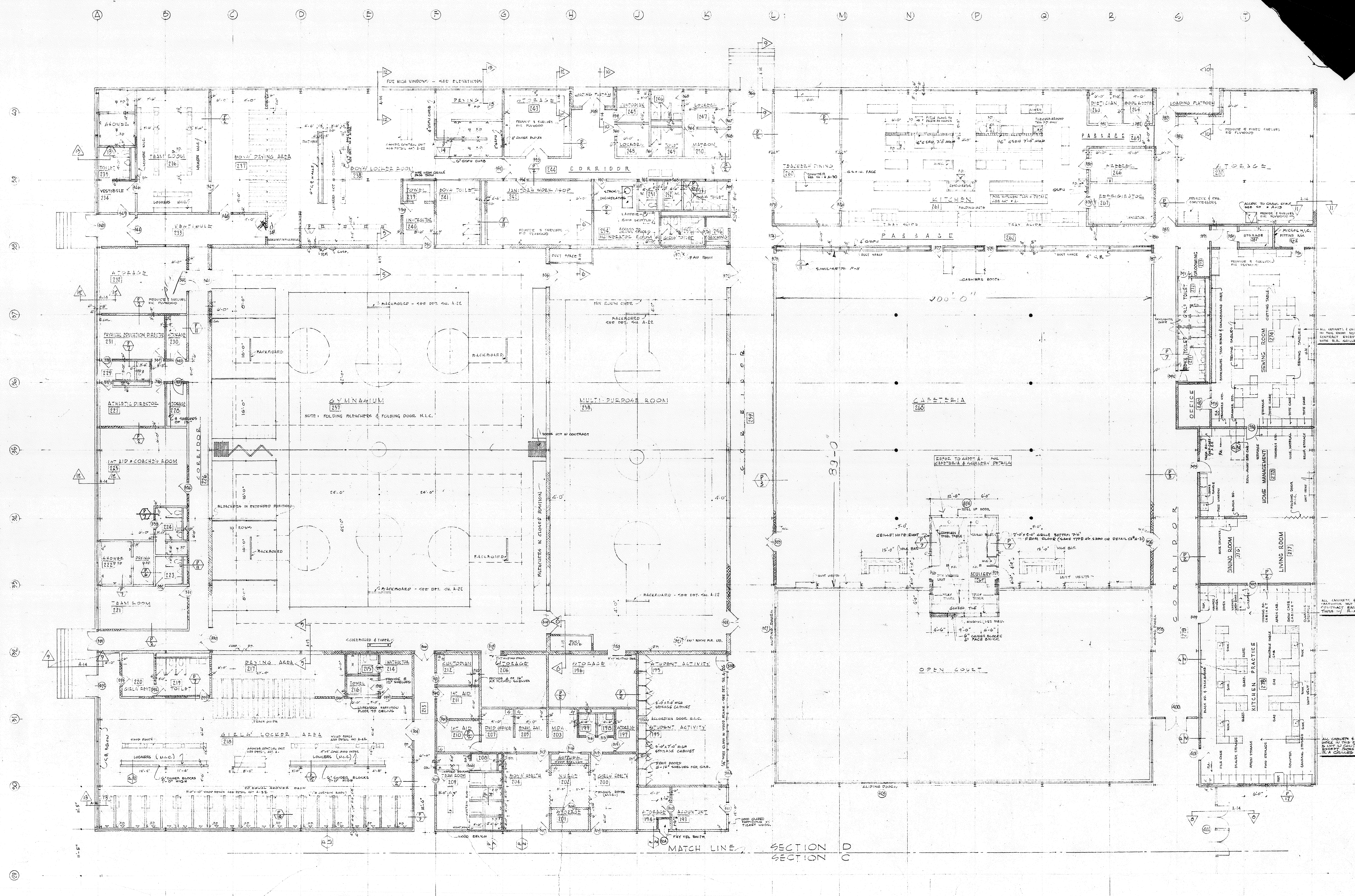
SAMUEL GLASER ASSOCIATES  
 ARCHITECTS & ENGINEERS

170 WOODSTOCK STREET, BOSTON, MASSACHUSETTS

DATE: MAY 25, 1938

DRAWING NO. 11





**FLOOR PLAN 'D'**

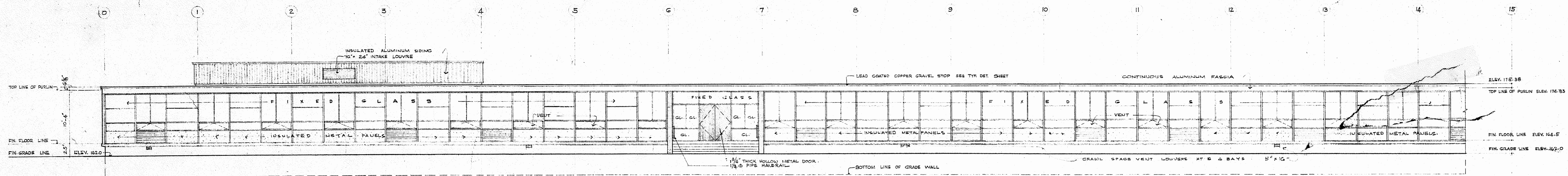
FRAMINGHAM HIGH SCHOOL  
 FLAGG DRIVE  
 FRAMINGHAM, MASSACHUSETTS

SCALE: 1/4" = 1'-0"

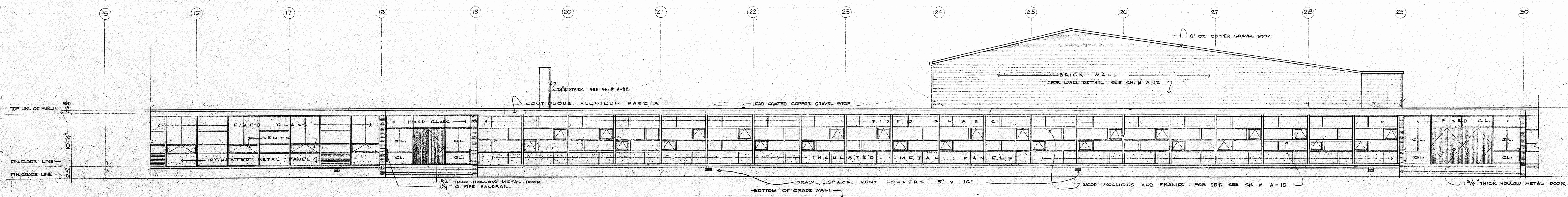
DATE: MAY 25, 1968

5608

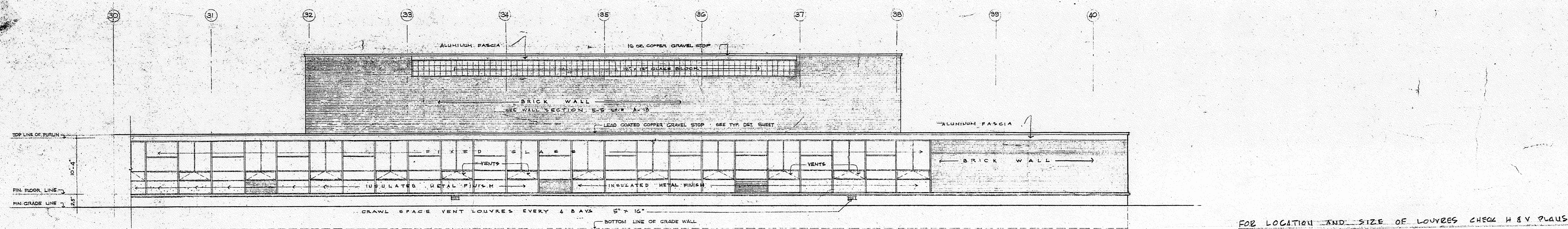




SOUTH ELEVATION - LEFT  
SCALE 1/8" = 1'-0"

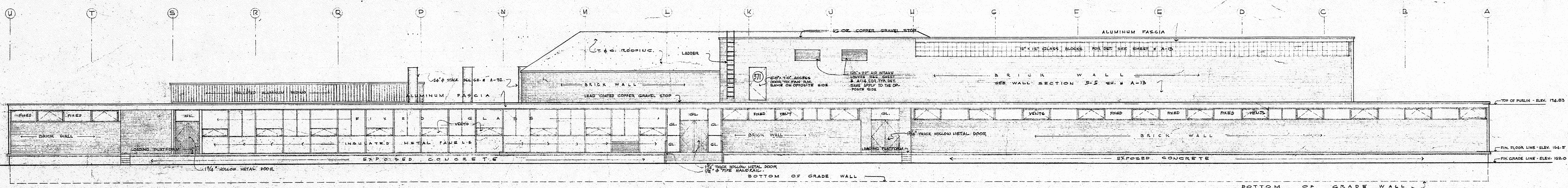


SOUTH ELEVATION - MIDDLE  
SCALE 1/8" = 1'-0"

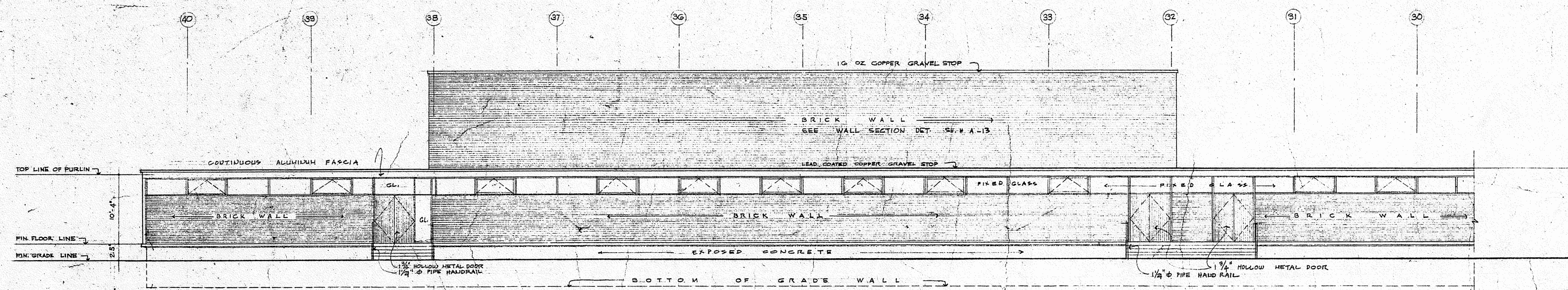
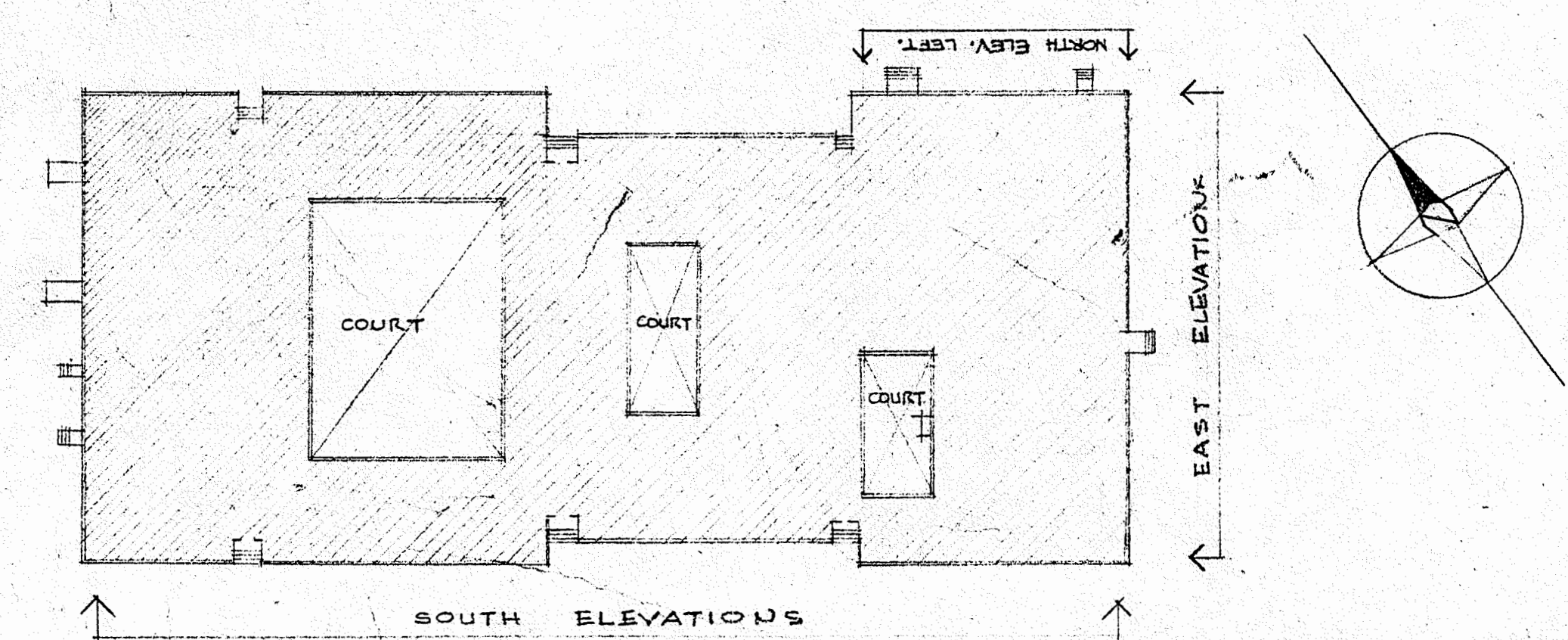


SOUTH ELEVATION - RIGHT  
SCALE 1/8" = 1'-0"

FOR LOCATION AND SIZE OF LOUVRES CHECK KEY PLANS



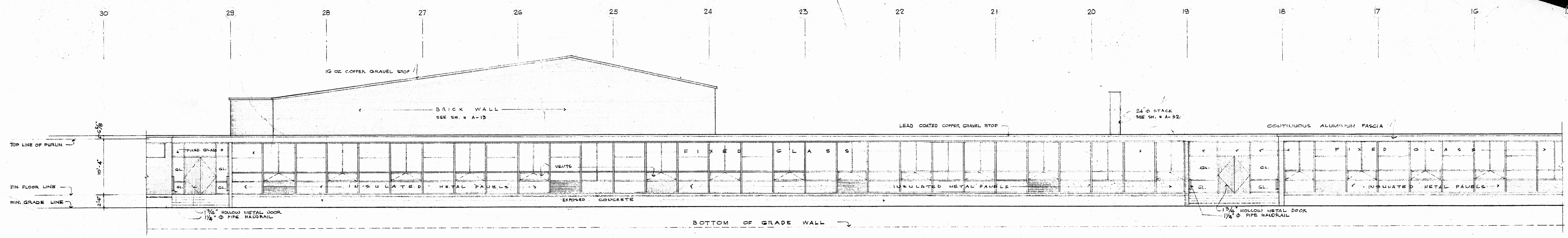
EAST ELEVATION  
SCALE 1/8" = 1'-0"



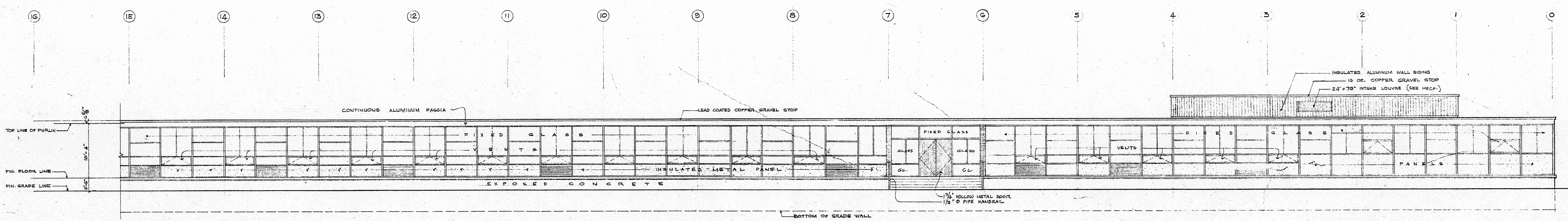
NORTH ELEVATION - LEFT  
SCALE 1/8" = 1'-0"

ELEVATIONS			
	PEABODY HIGH SCHOOL FLAGG DRIVE PEABODY, MASSACHUSETTS SAMUEL GLASER ASSOCIATES ARCHITECTS • ENGINEERS 100 NEWBURY STREET • BOSTON • MASSACHUSETTS		
	DRAWN BY: L.H.O. CHECKED BY: J.J.S.	DATE: MAY 25, 56	JOB NO.: 5608

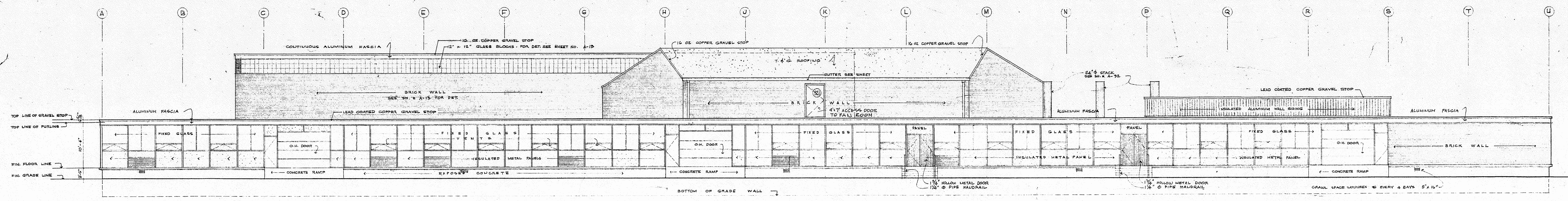




NORTH ELEVATION - MIDDLE  
SCALE 1/8" = 1'-0"

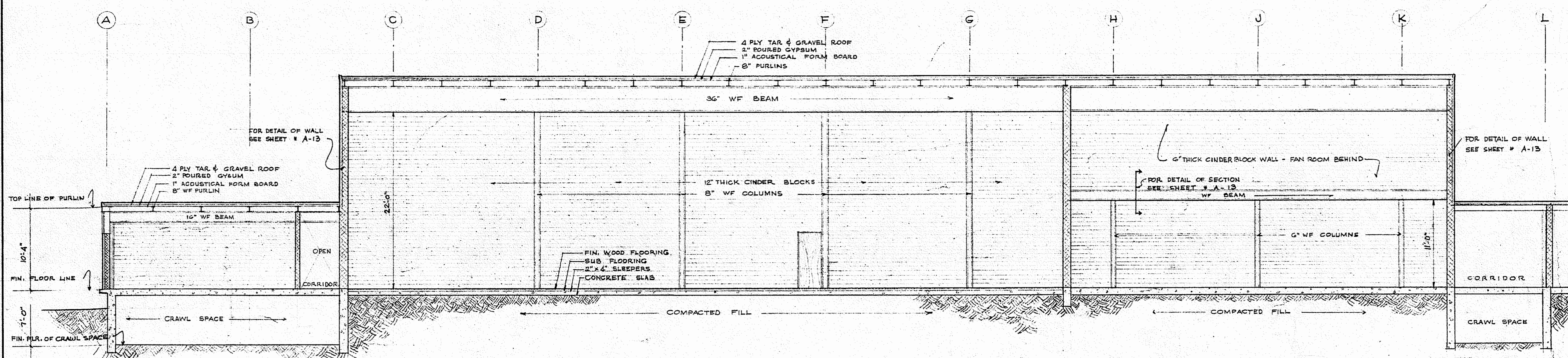


NORTH ELEVATION - RIGHT  
SCALE 1/8" = 1'-0"

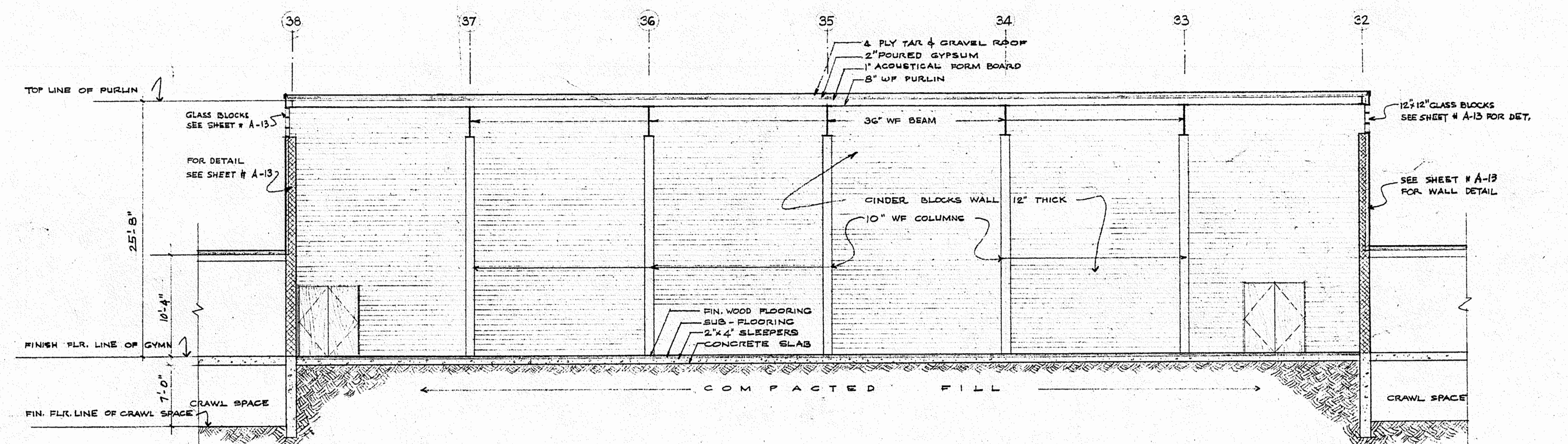


WEST ELEVATION  
SCALE 1/8" = 1'-0"

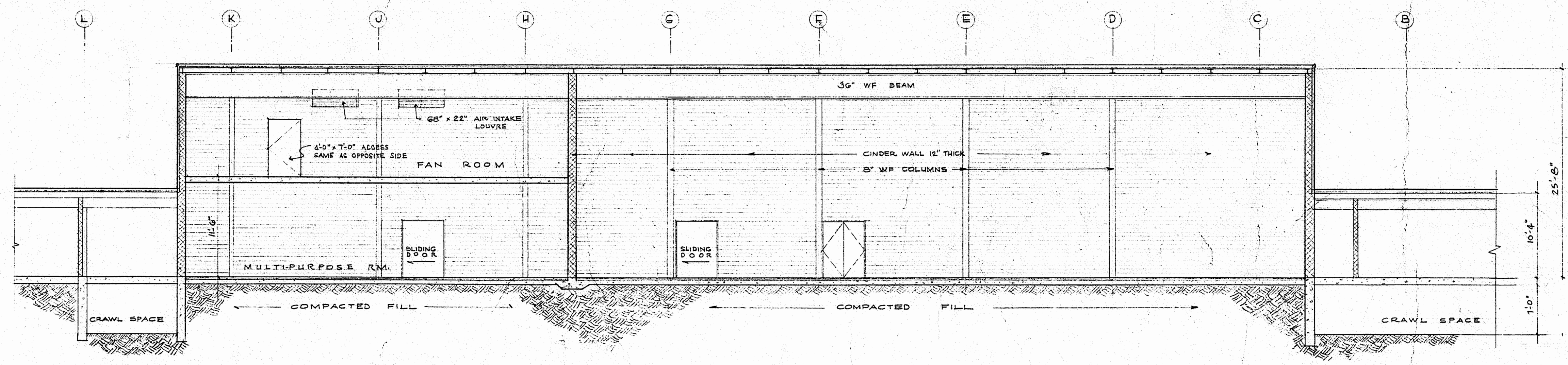
NOTE: FOR LOCATION AND SIZE OF LOUVERES FOR AIR HANDLING CHECK MECH DWGS.



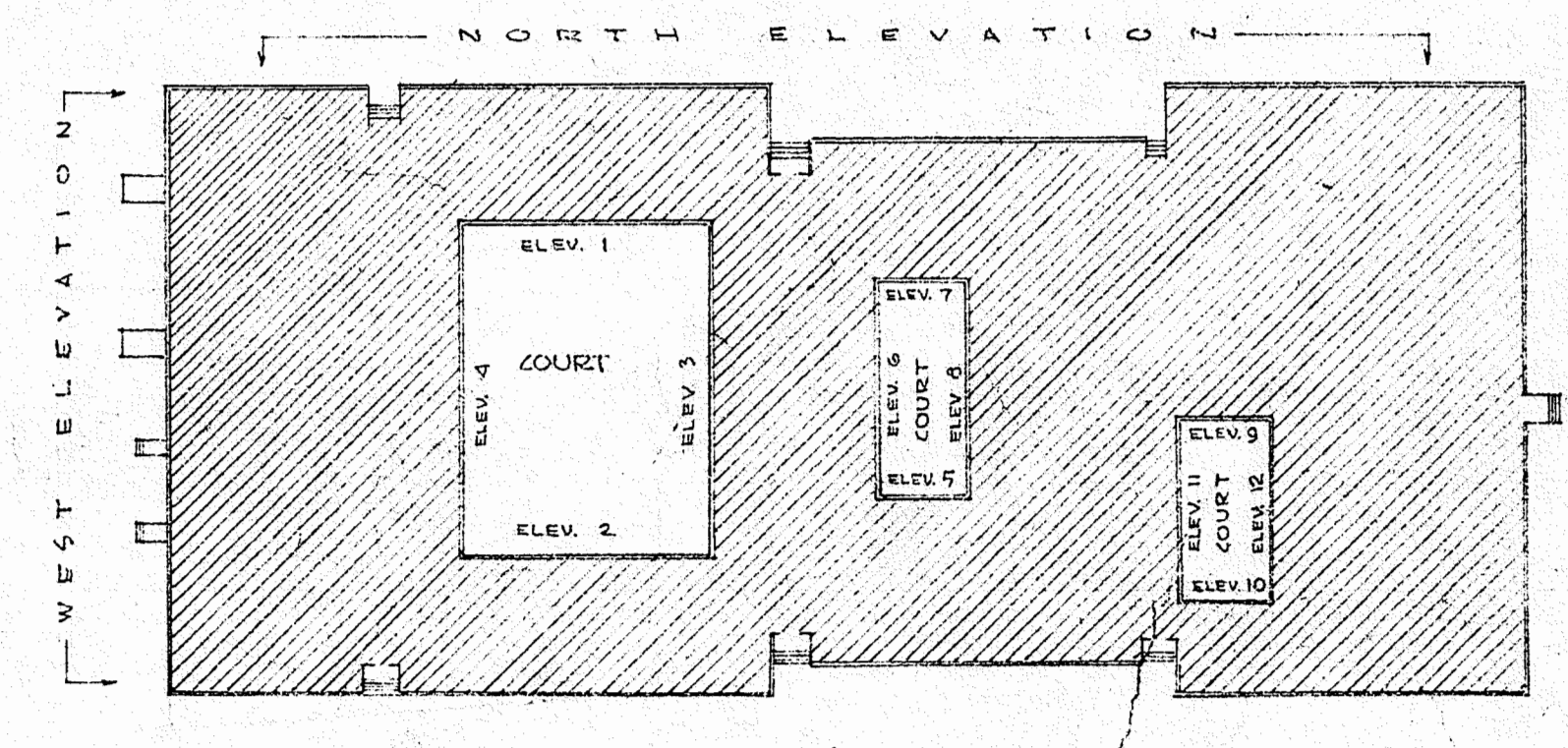
ELEVATION 1 OF GYM.  
SCALE 1/8" = 1'-0"



ELEVATION 3 OF GYM.  
SCALE 1/8" = 1'-0"



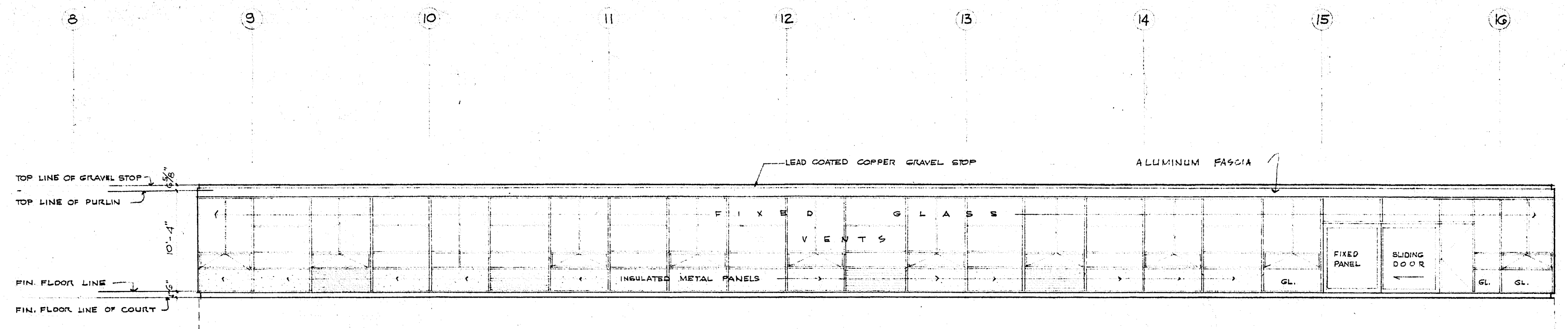
ELEVATION 2 OF GYM.  
SCALE 1/8" = 1'-0"



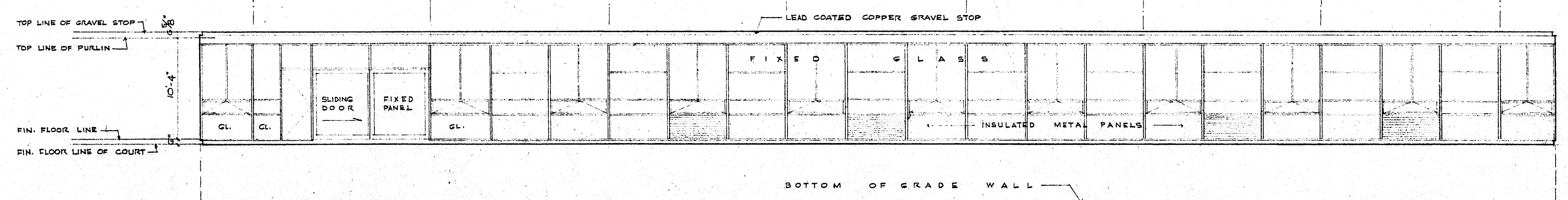
NOTE: COURT ELEVATIONS ON SH A-10

<b>ELEVATIONS &amp; CROSS SECTIONS</b>	
FRAMINGHAM HIGH SCHOOL FLAGG DRIVE FRAMINGHAM, MASSACHUSETTS <b>SAMUEL GLASER ASSOCIATES</b> ARCHITECTS ENGINEERS 100 NEWBURY STREET - BOSTON - MASSACHUSETTS	
DRAWN BY: L.H.G. CHECKED BY: T.J.S.	DATE: MAY 25, 1960 JOB NO: 5008 APPROVED BY:
DRAWING NO. <b>A-9</b>	

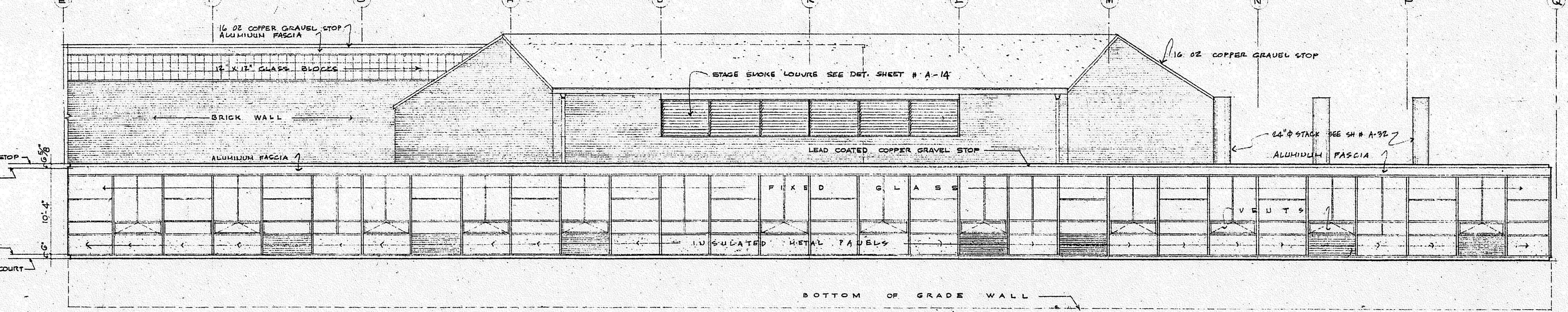




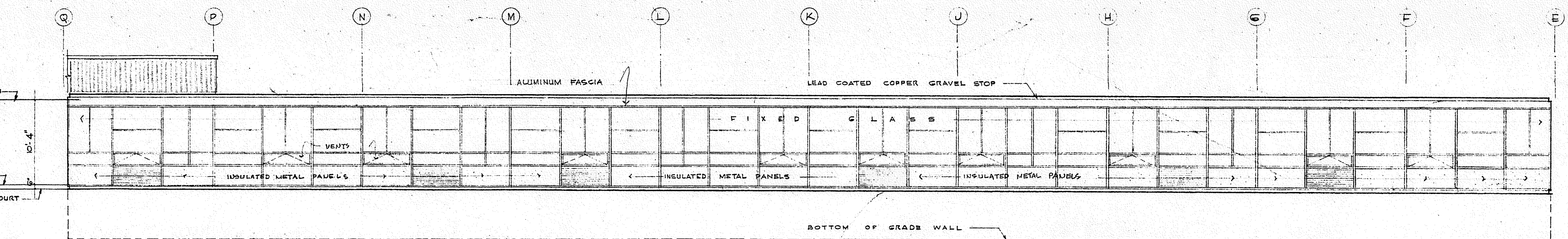
ELEVATION 1  
SCALE 1/8" = 1'-0"



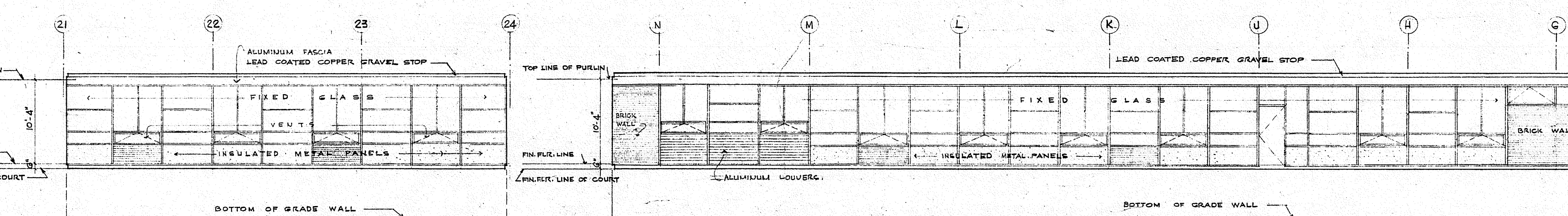
ELEVATION 2  
SCALE 1/8" = 1'-0"



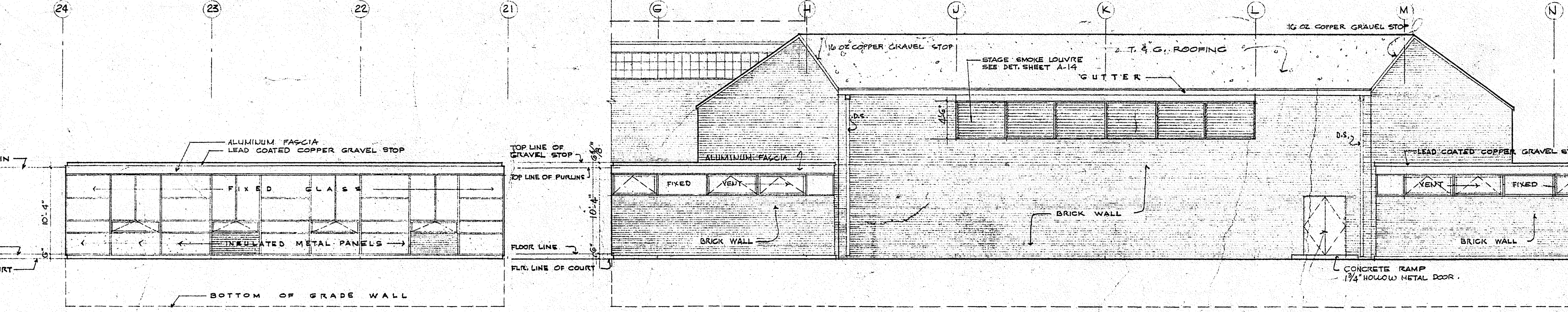
ELEVATION 3  
SCALE 1/8" = 1'-0"



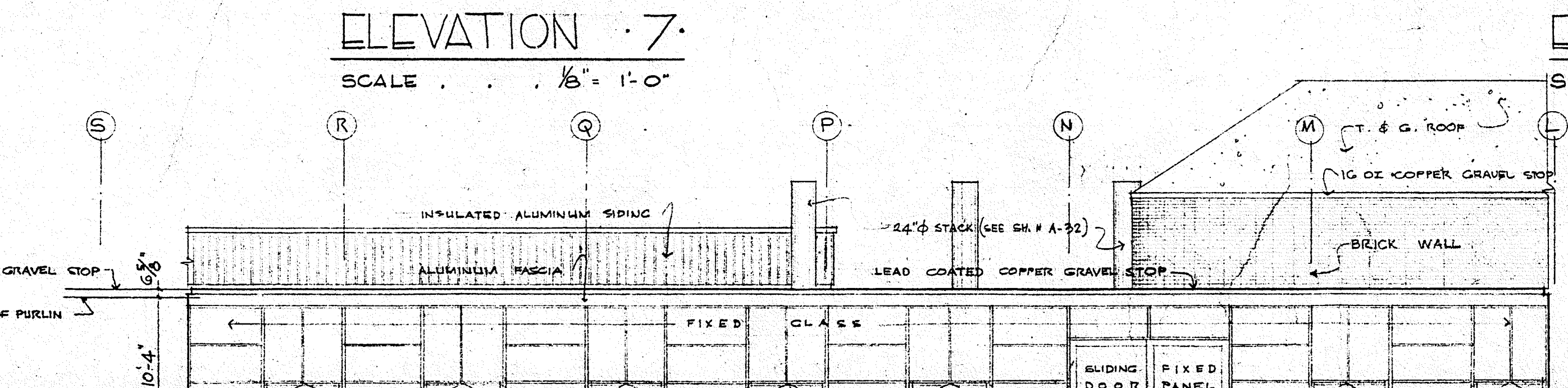
ELEVATION 4  
SCALE 1/8" = 1'-0"



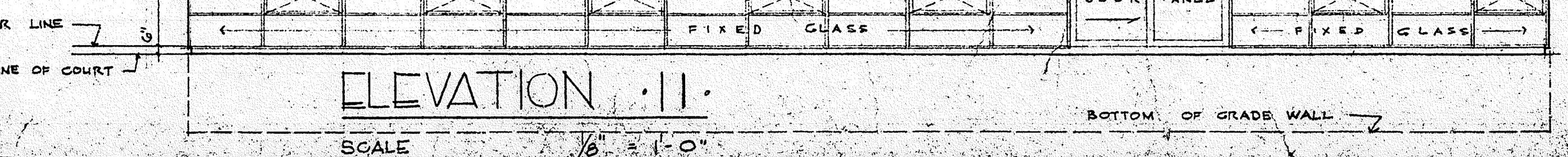
ELEVATION 5  
SCALE 1/8" = 1'-0"



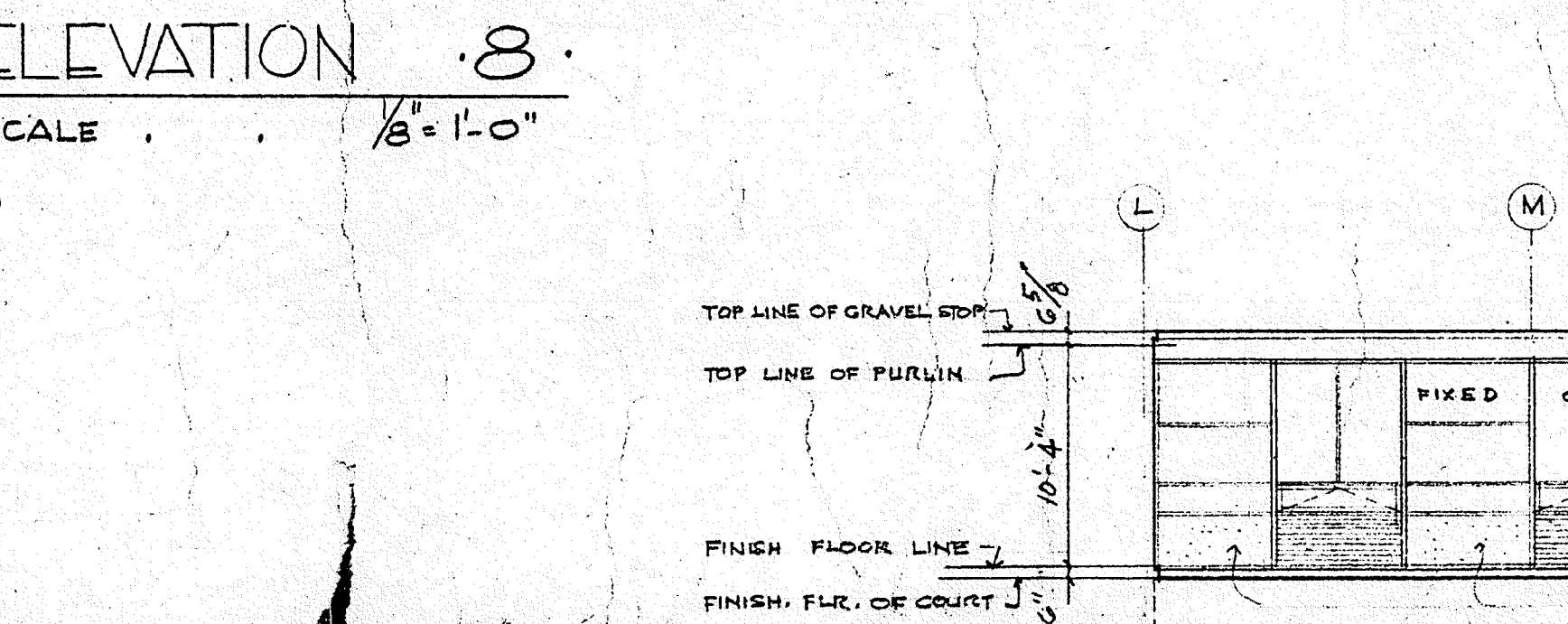
ELEVATION 6  
SCALE 1/8" = 1'-0"



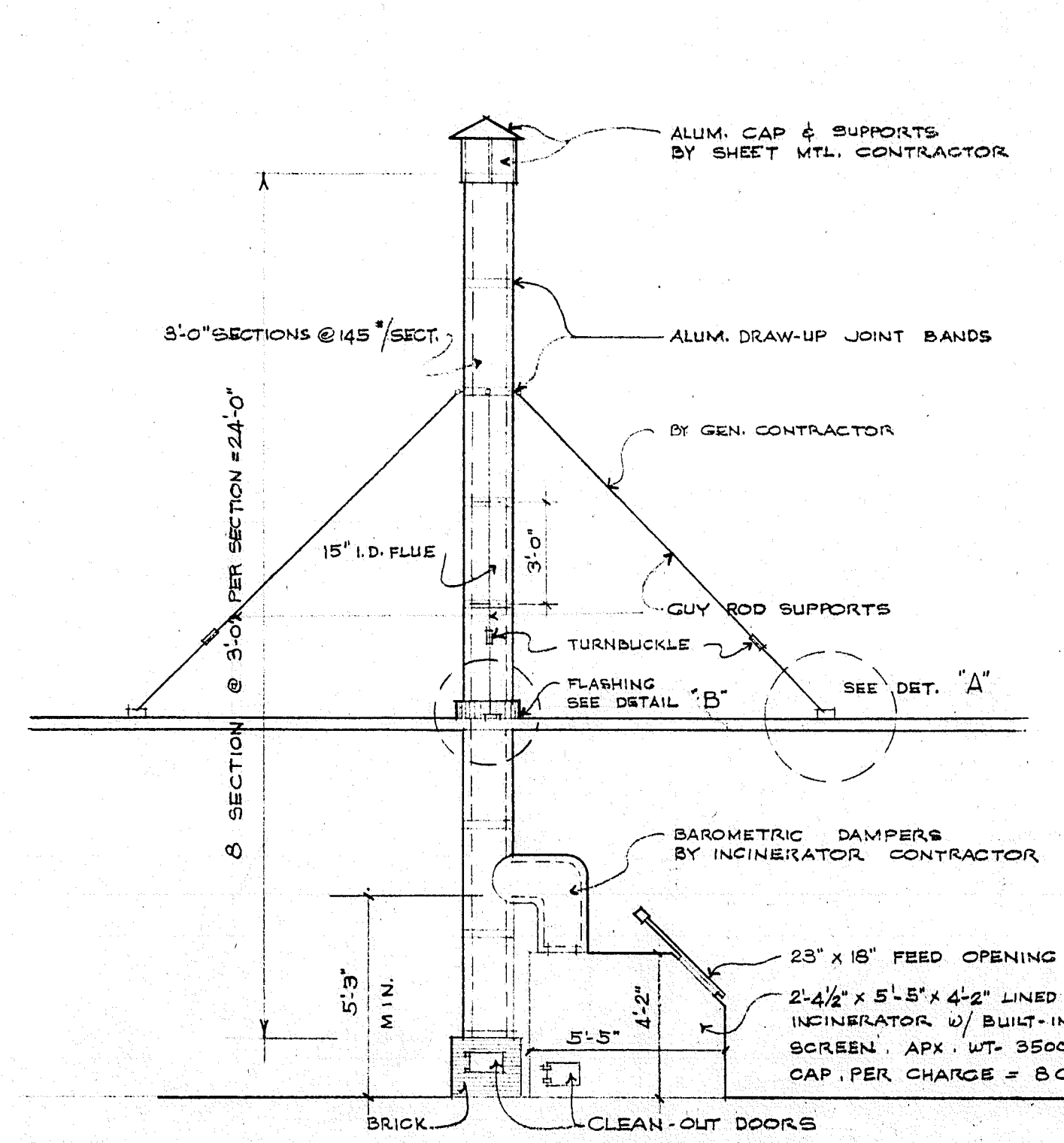
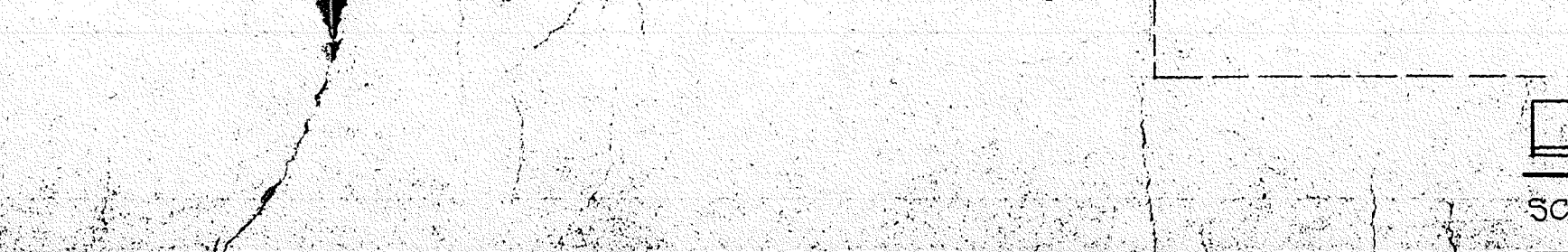
ELEVATION 7  
SCALE 1/8" = 1'-0"



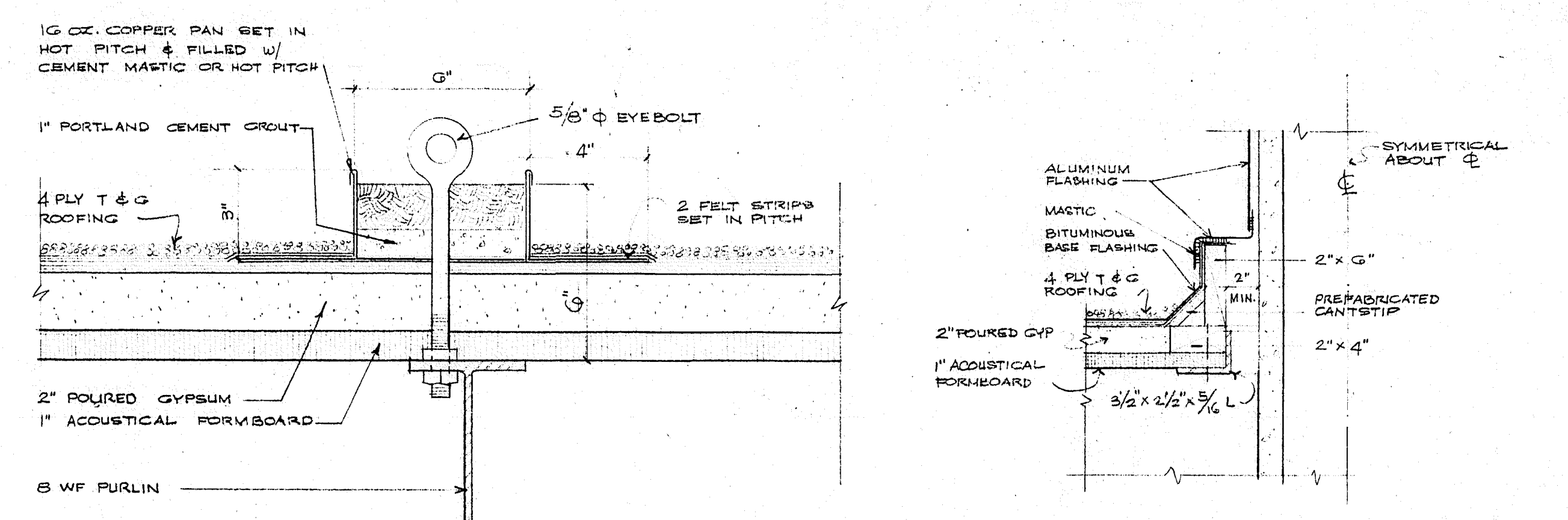
ELEVATION 8  
SCALE 1/8" = 1'-0"



ELEVATION 9  
SCALE 1/8" = 1'-0"

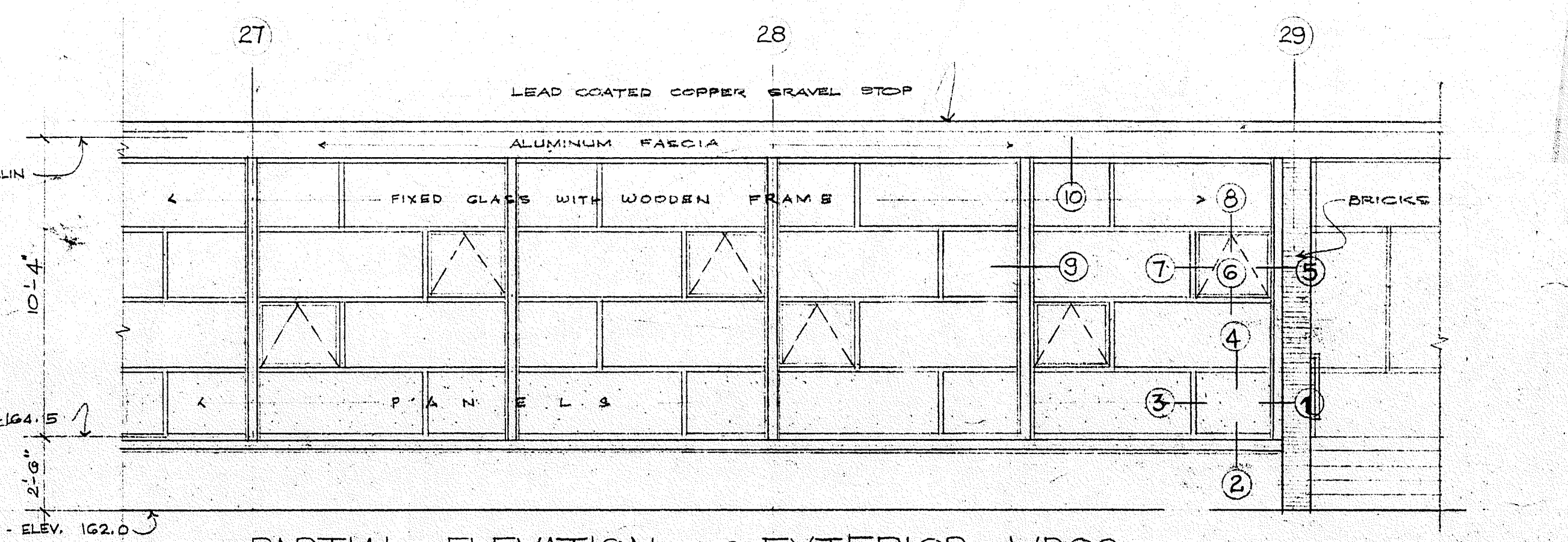


ELEVATION OF PRECAST-INSULATED REFRACTORY STACK  
SCALE 1/4" = 1'-0"

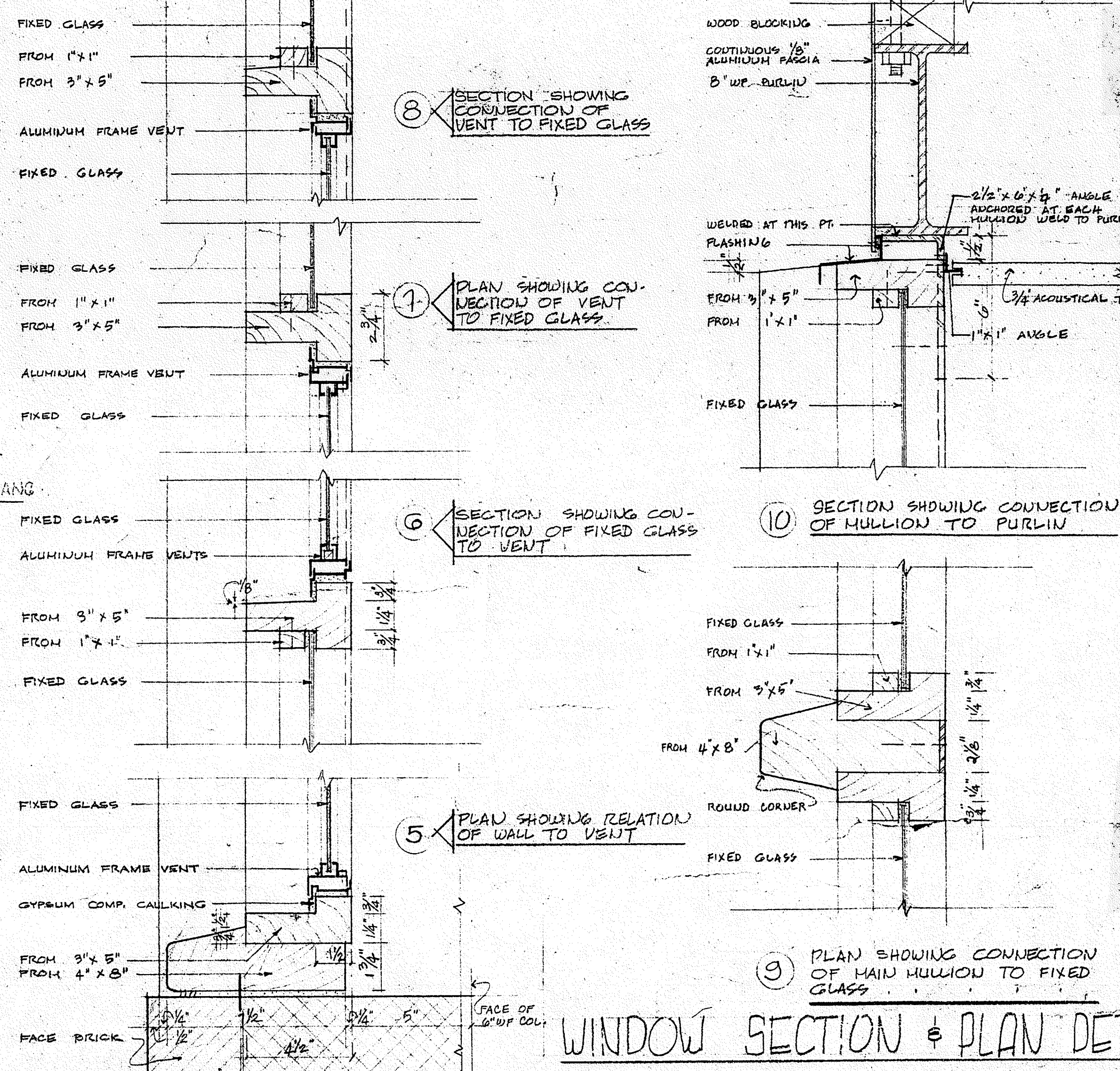
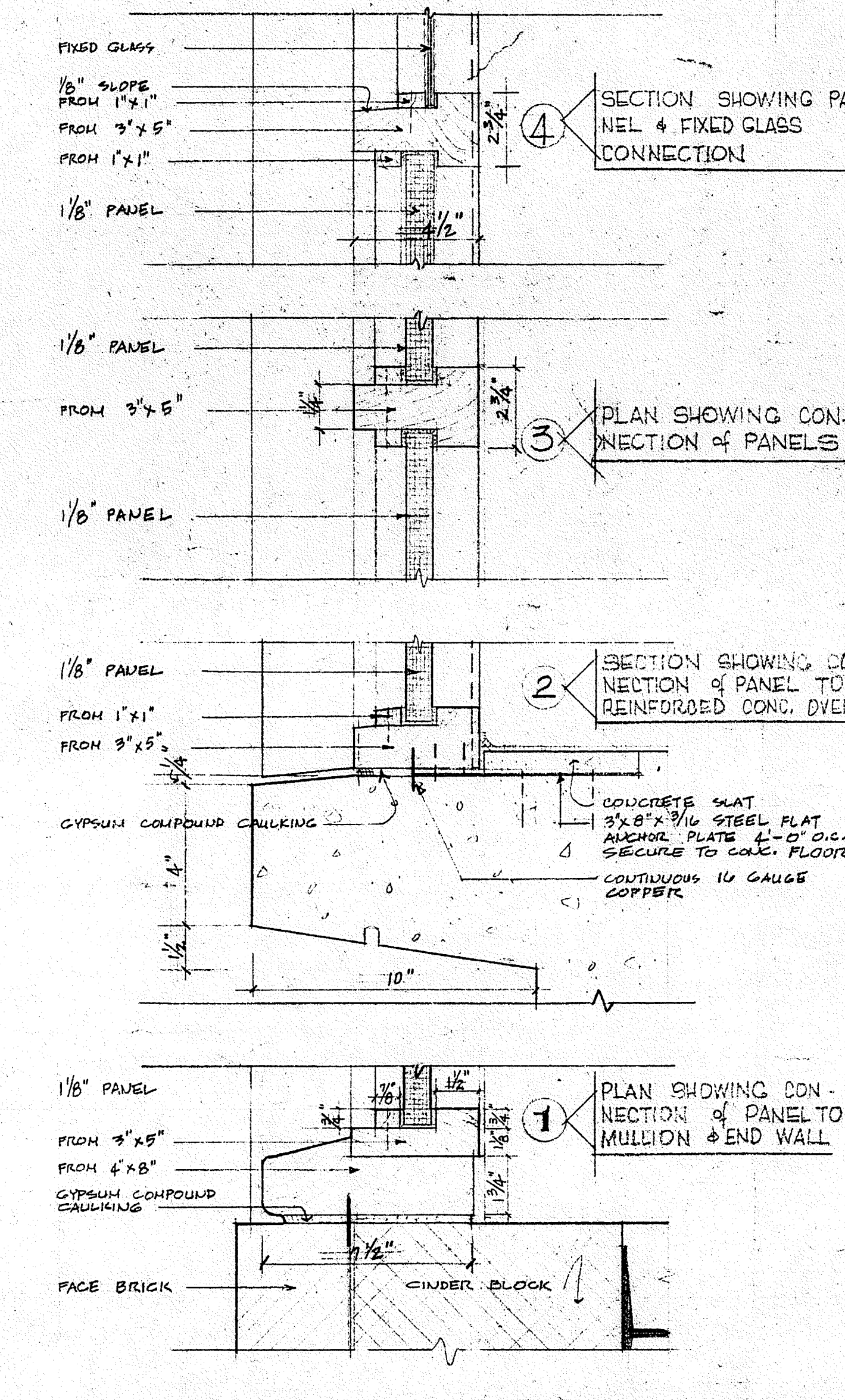


DETAIL OF EYEBOLT THRU ROOF  
SCALE 3/8" = 1'-0"

FLASHING DETAIL at STACK  
SCALE 1/2" = 1'-0"



PARTIAL ELEVATION of EXTERIOR WDOOS. ADMINISTRATION SECTION  
SCALE 1/4" = 1'-0"



WINDOW SECTION & PLAN DET.  
SCALE 3/8" = 1'-0"

**EXTERIOR COURT ELEVATIONS & DETAILS**

FRAMINGHAM HIGH SCHOOL  
FLAUGS DRIVE  
FRAMINGHAM, MASSACHUSETTS

SAMUEL GLASER ASSOCIATES  
ARCHITECTS & ENGINEERS  
105 NEWBURY STREET BOSTON 7, MASSACHUSETTS

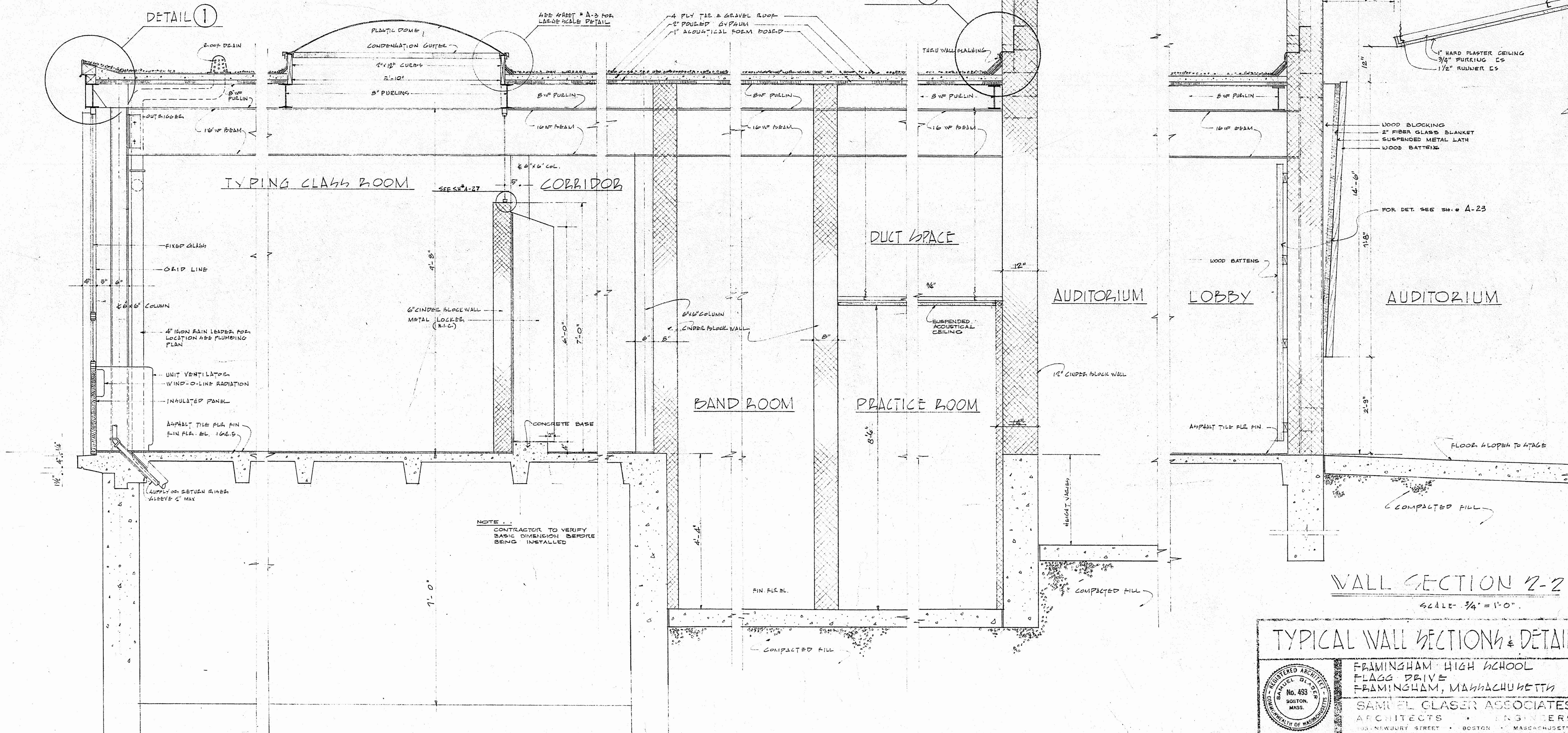
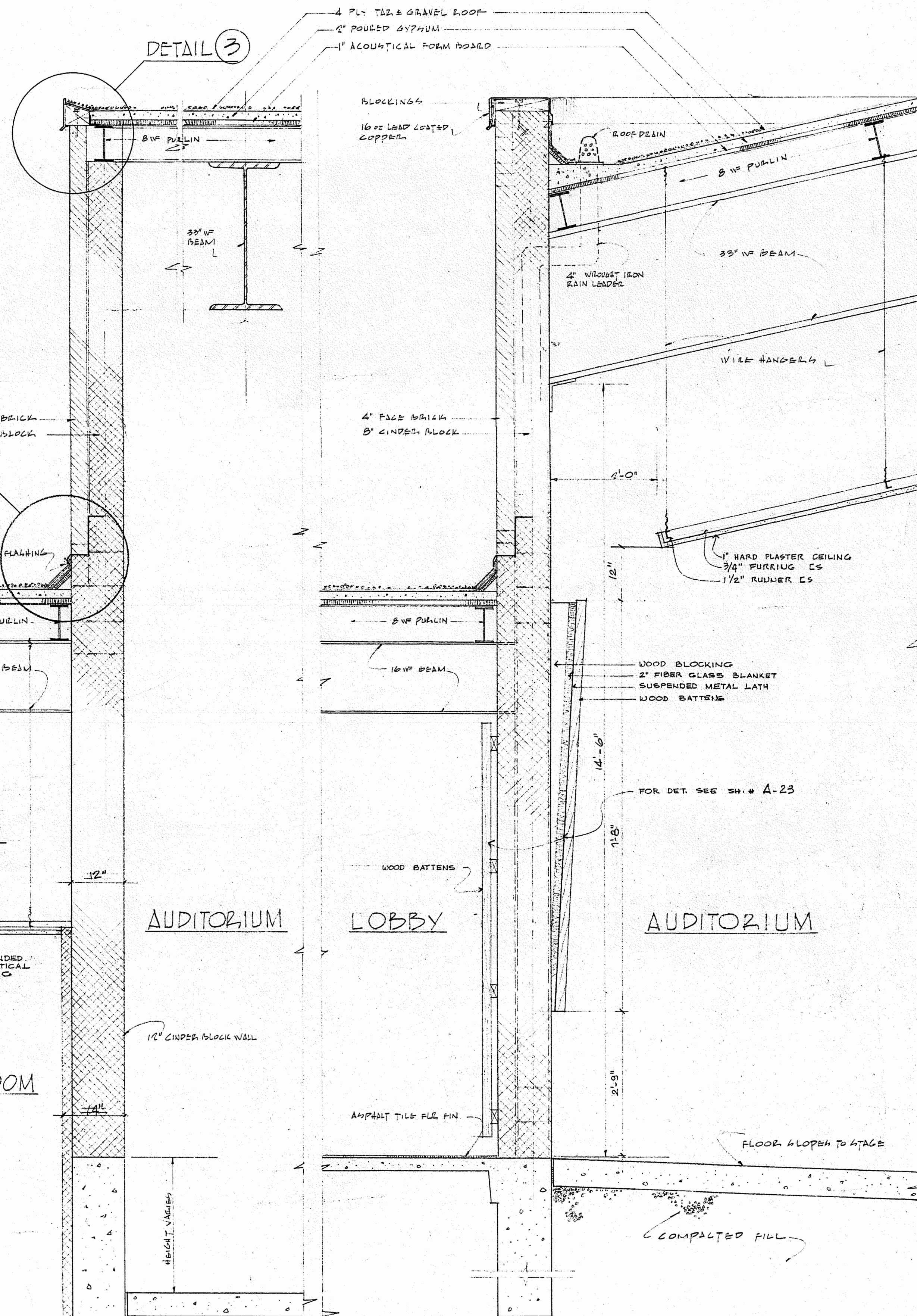
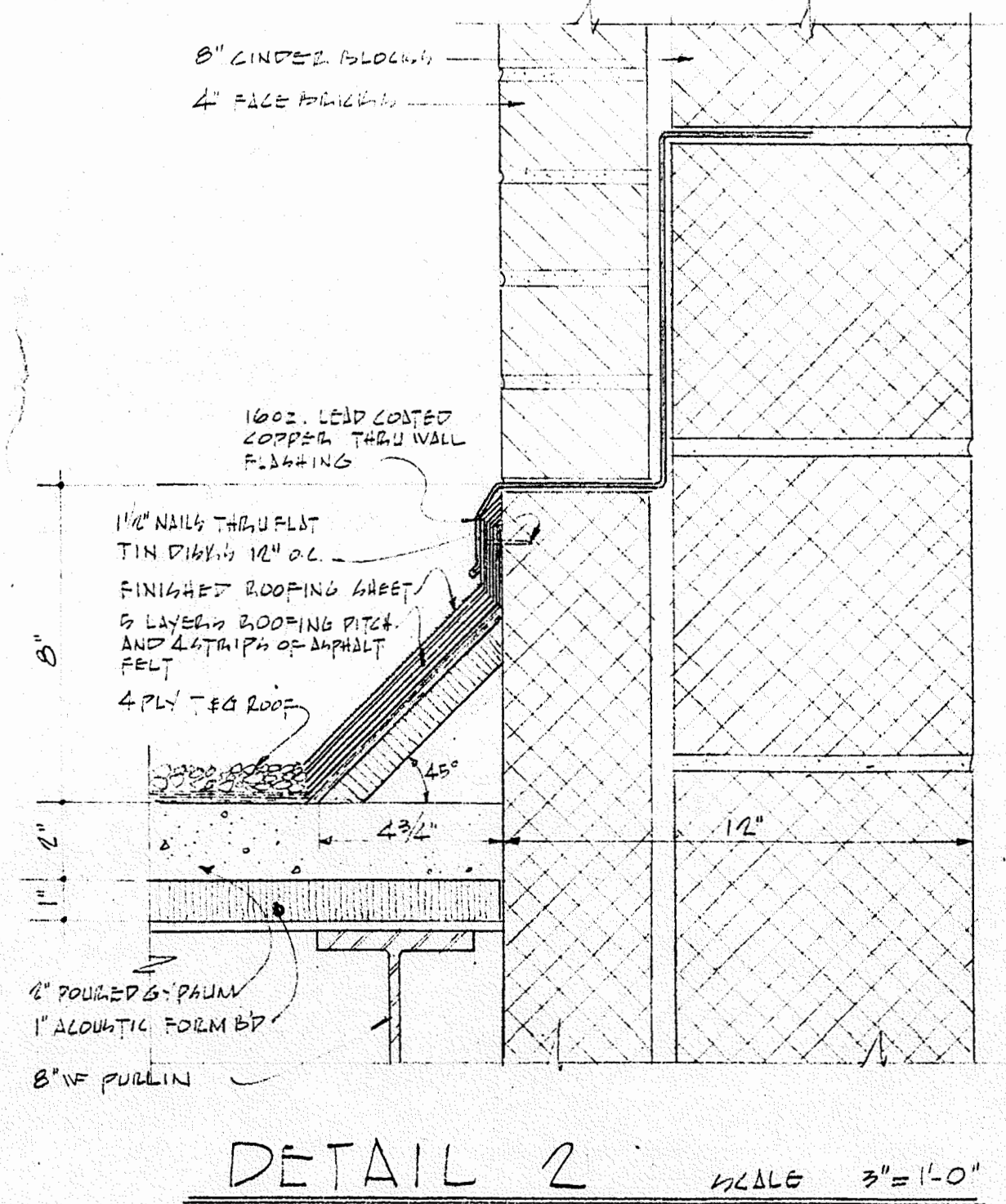
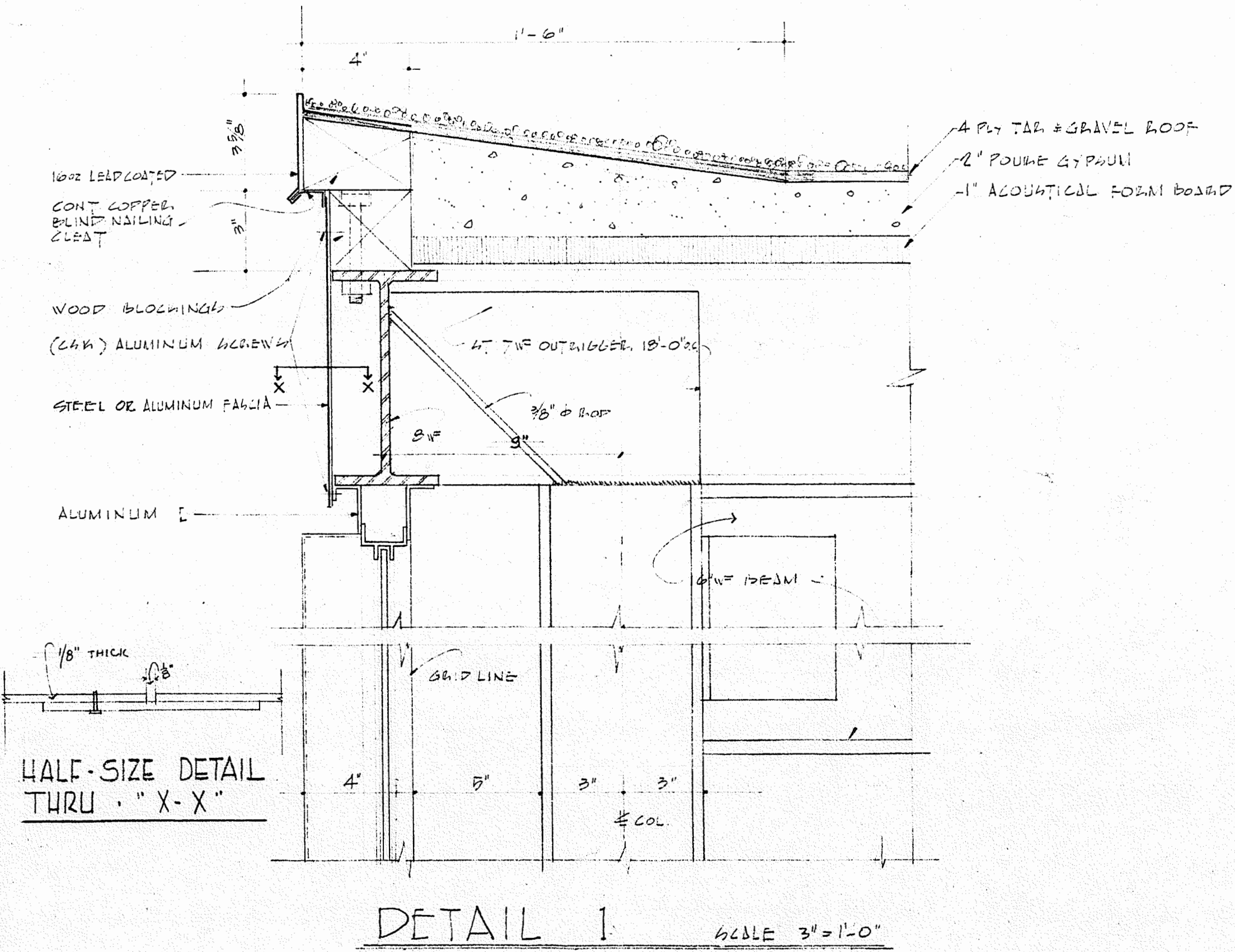
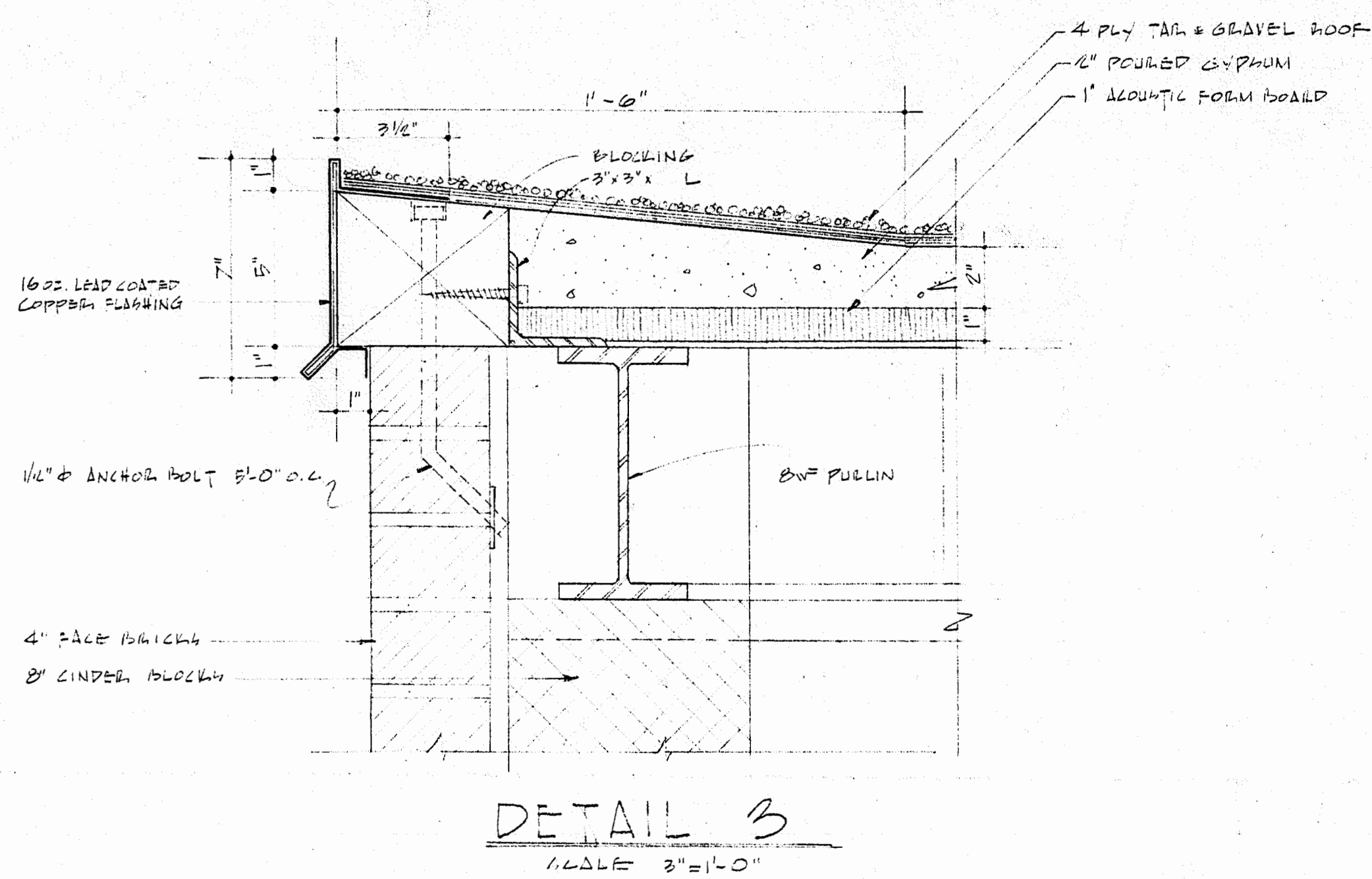
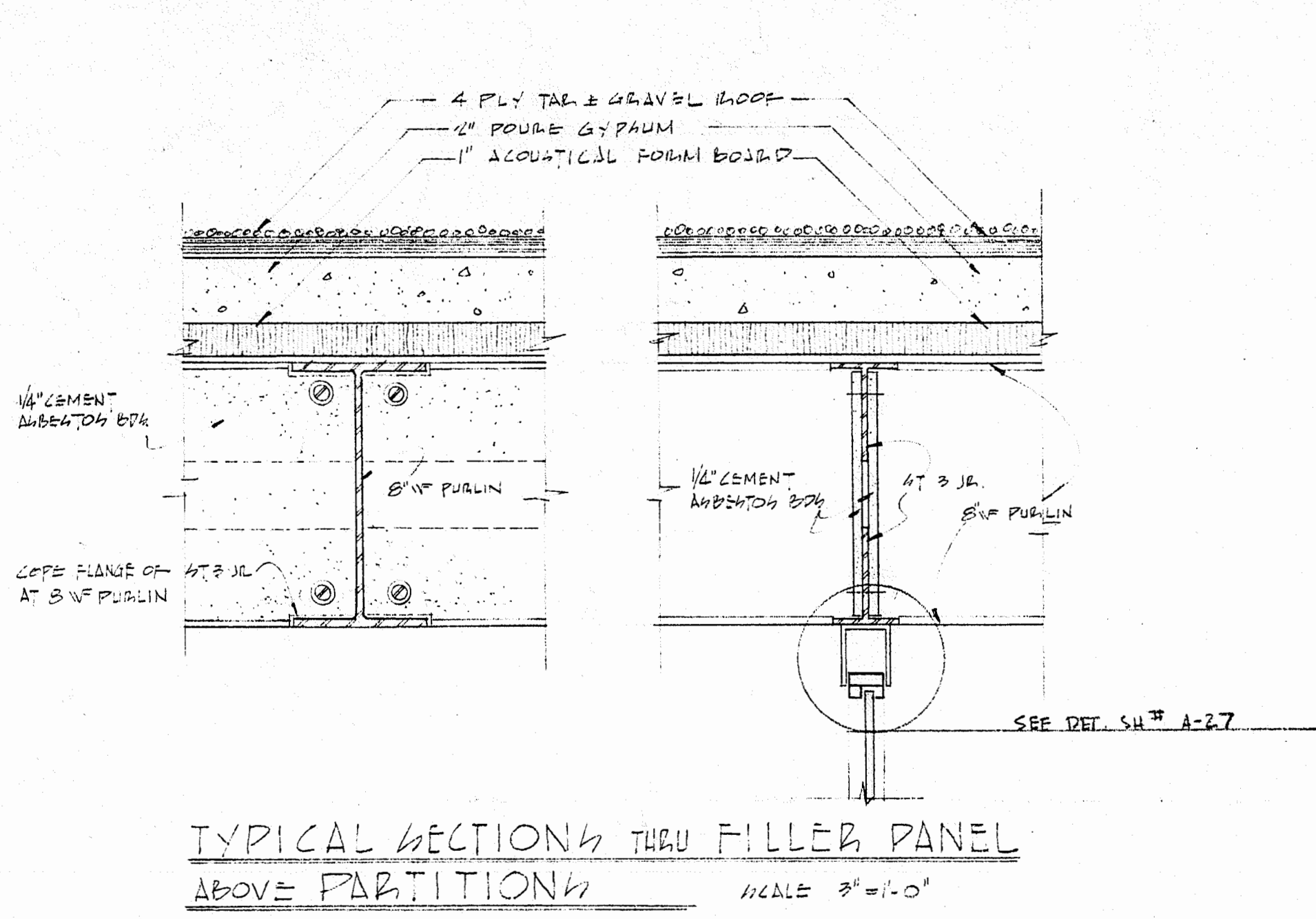
REGISTERED ARCHITECT  
No. 489  
COMMONWEALTH OF MASSACHUSETTS

DRAWING NO. A-10









WALL SECTION 1-1  
SCALE 3/8" = 1'-0"

WALL SECTION 2-2  
SCALE 3/8" = 1'-0"

TYPICAL WALL SECTIONS & DETAILS

REGISTERED ARCHITECT  
FRANKLIN BLISS  
No. 493  
BOSTON  
MASS.

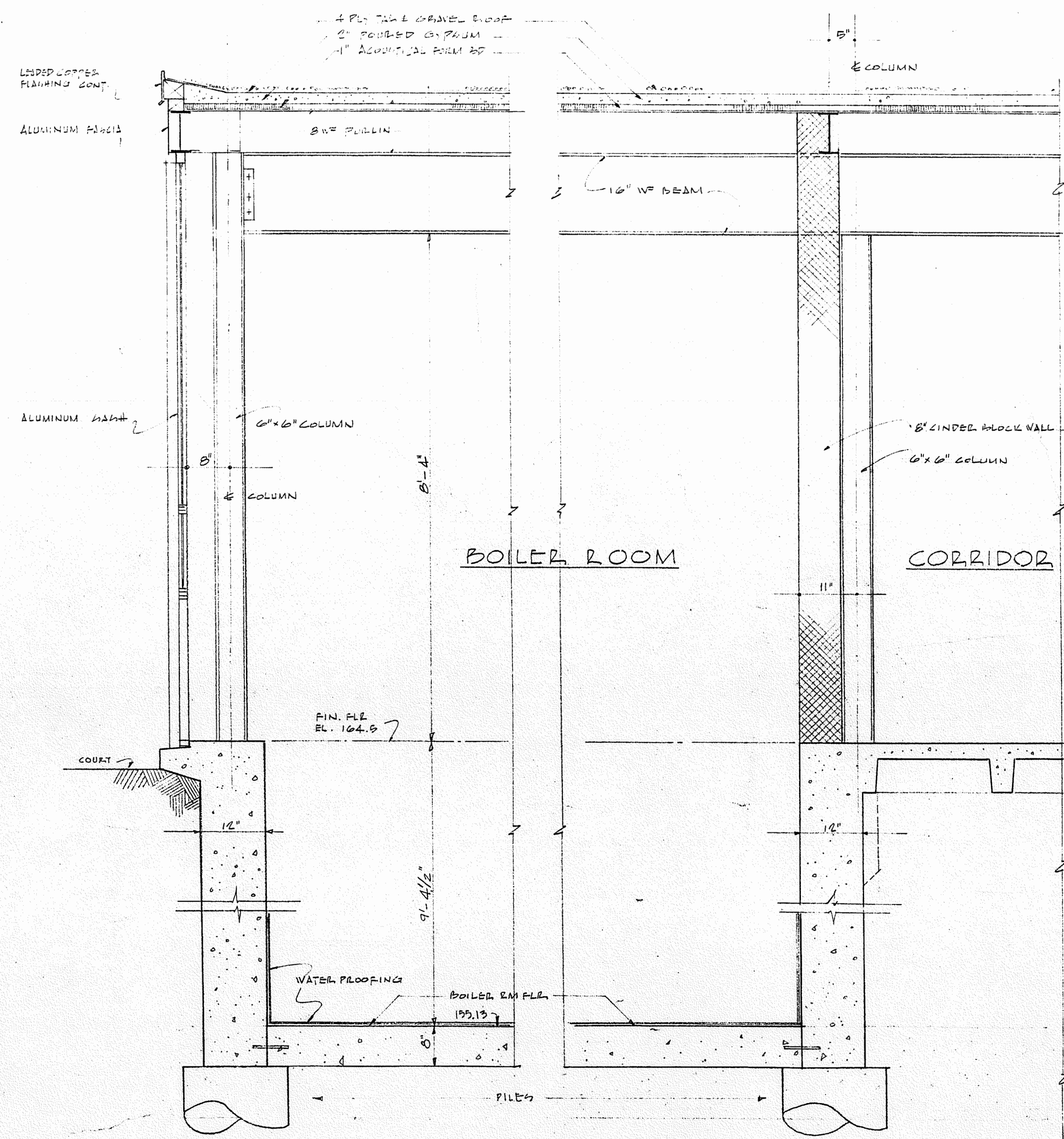
FRAMINGHAM HIGH SCHOOL  
FLAGG DRIVE  
FRAMINGHAM, MASSACHUSETTS  
SAMUEL CLASER ASSOCIATES  
ARCHITECTS & ENGINEERS  
100 NEWBURY STREET • BOSTON • MASSACHUSETTS

DRAWING NO. 5600

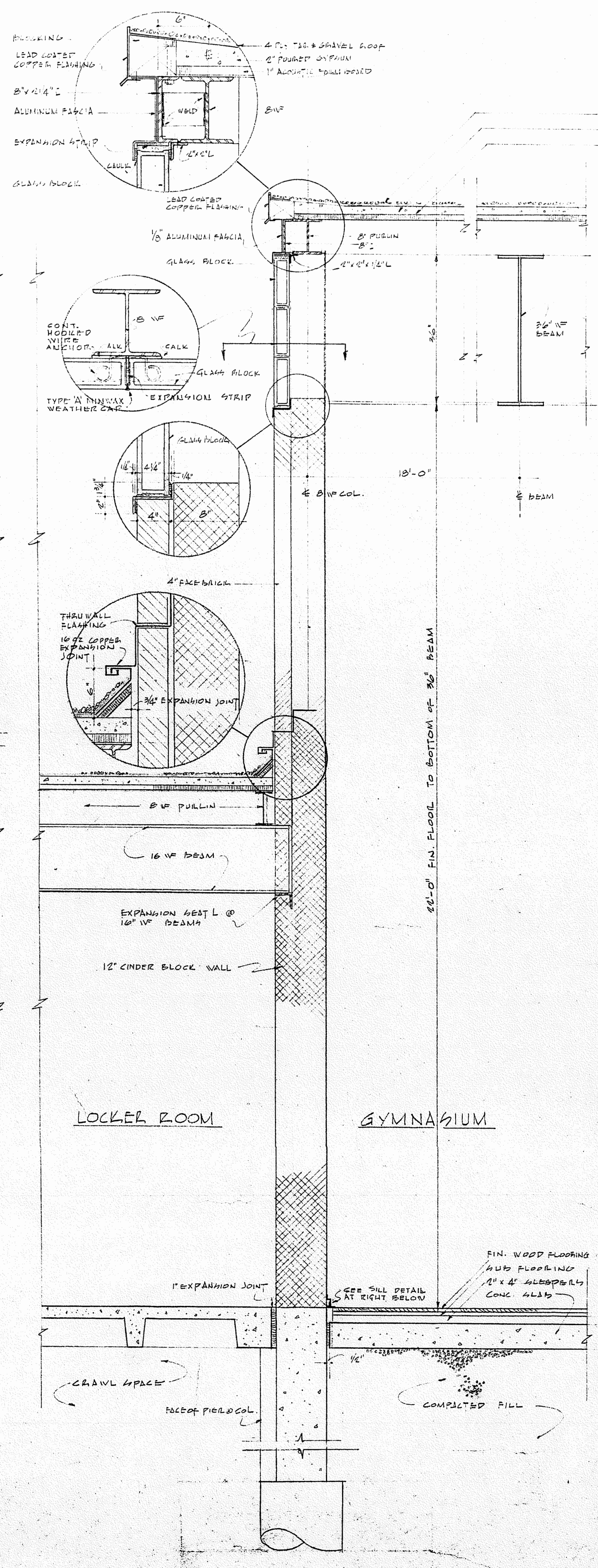
DRAWN BY G.S. DATE MAY 23, 1956  
CHECKED BY T.J.S.

A-12

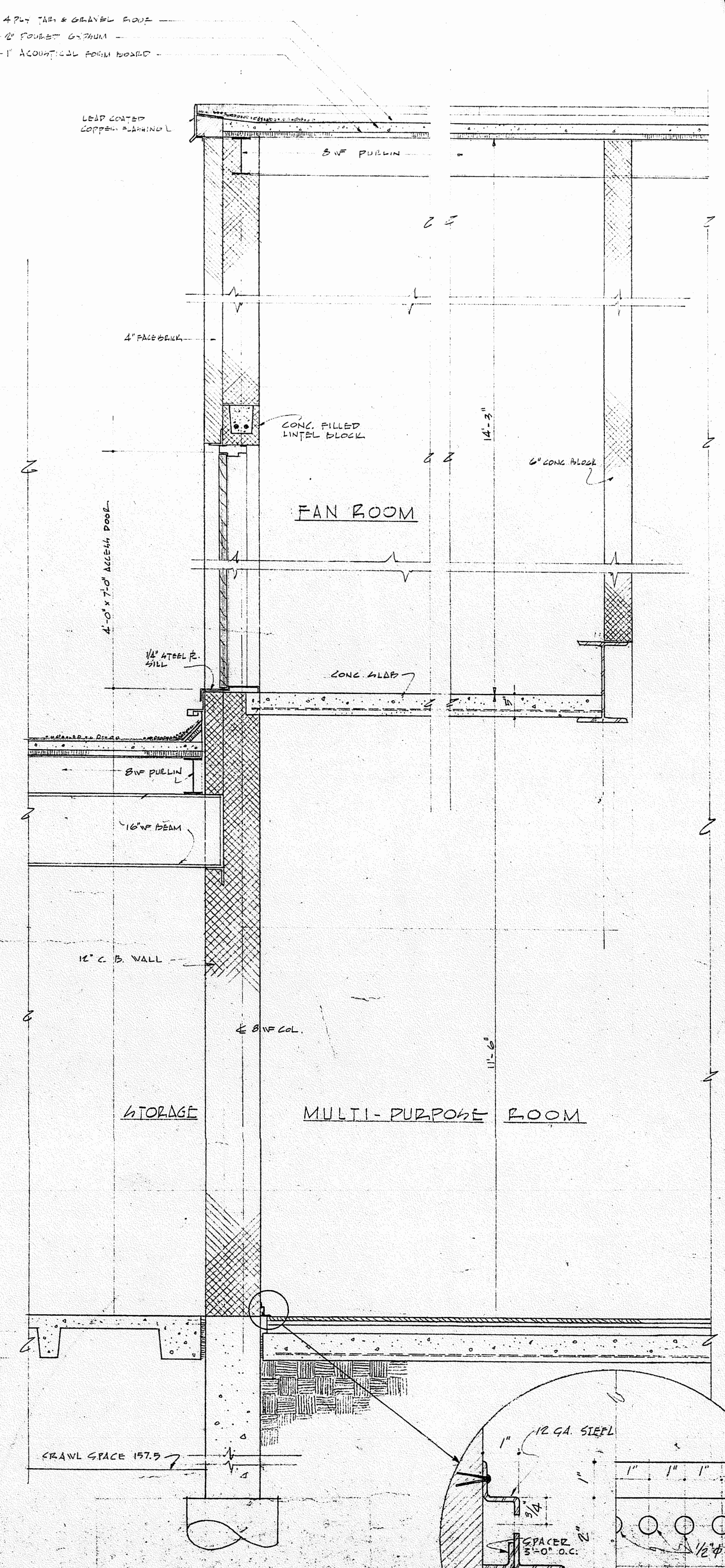




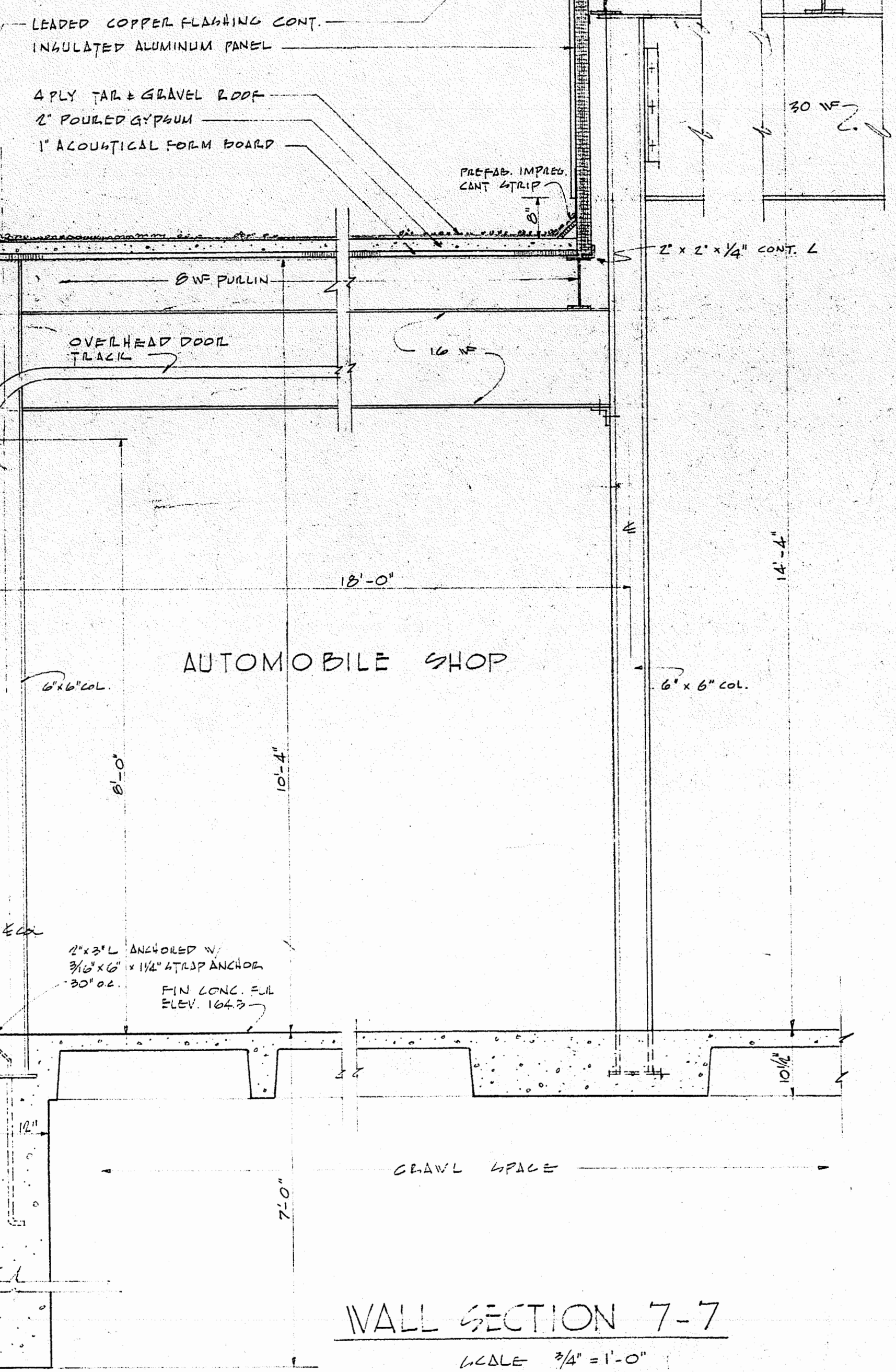
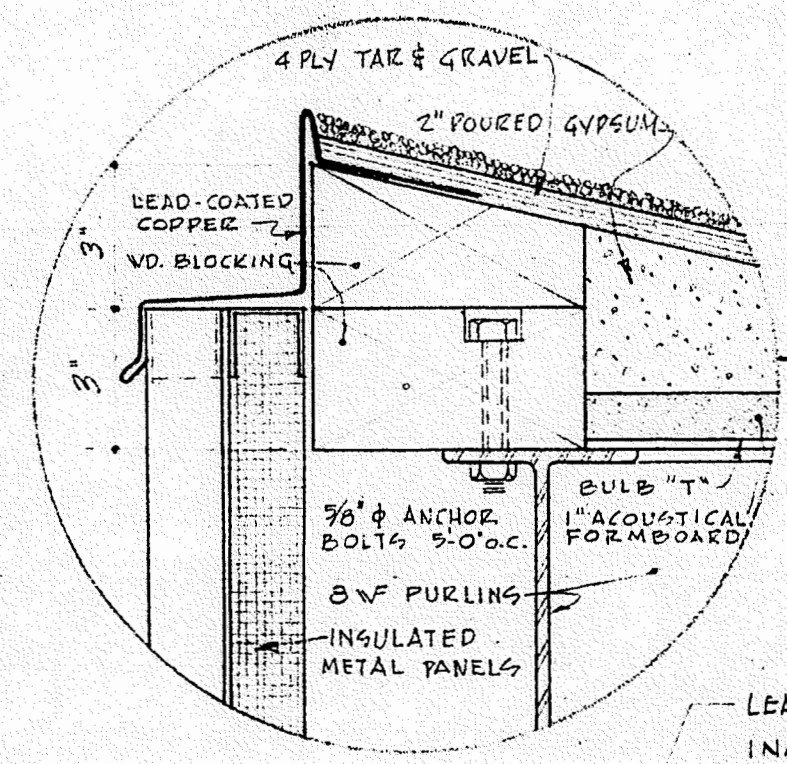
WALL SECTION 3-3 WALL SECTION 4-4  
SCALE 3/4" = 1'-0"



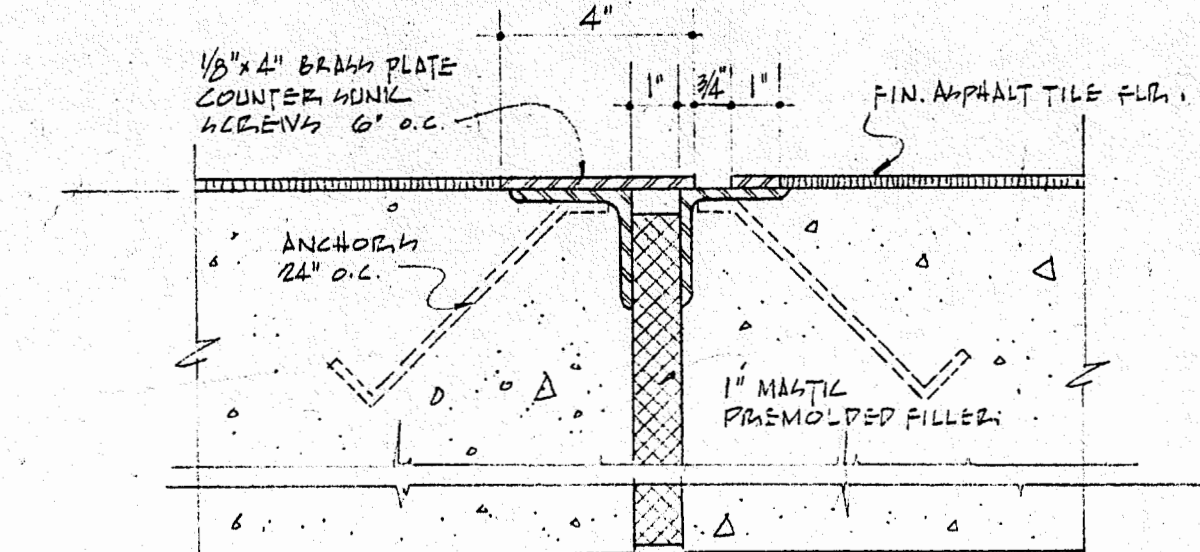
WALL SECTION 5-5 WALL SECTION 6-6  
(NORTH & SOUTH WALL SIMILAR) SCALE 3/4" = 1'-0"



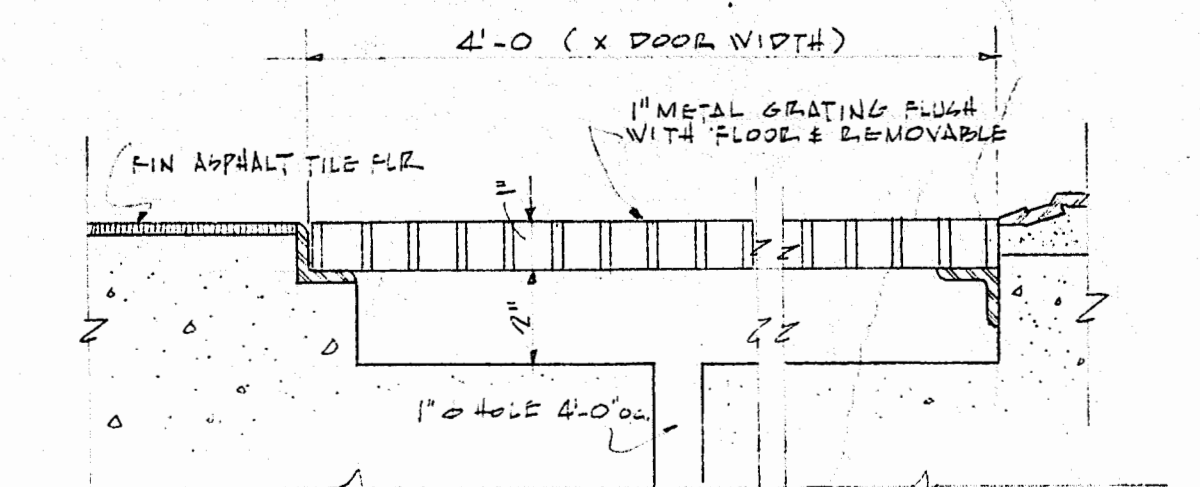
WALL SECTION 7-7 WALL SECTION 8-8  
SCALE 3/4" = 1'-0"



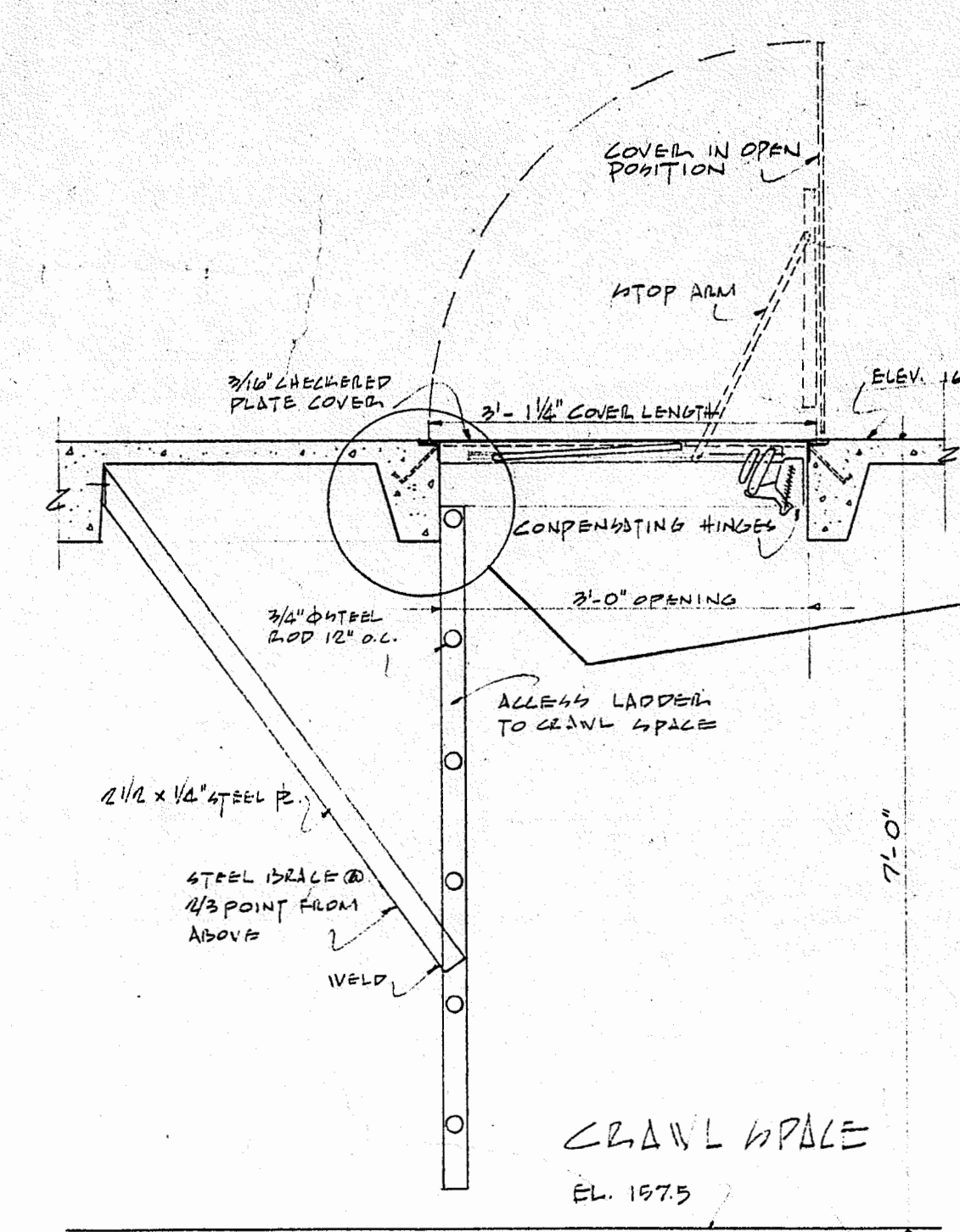
WALL SECTION 9-9  
SCALE 3/4" = 1'-0"



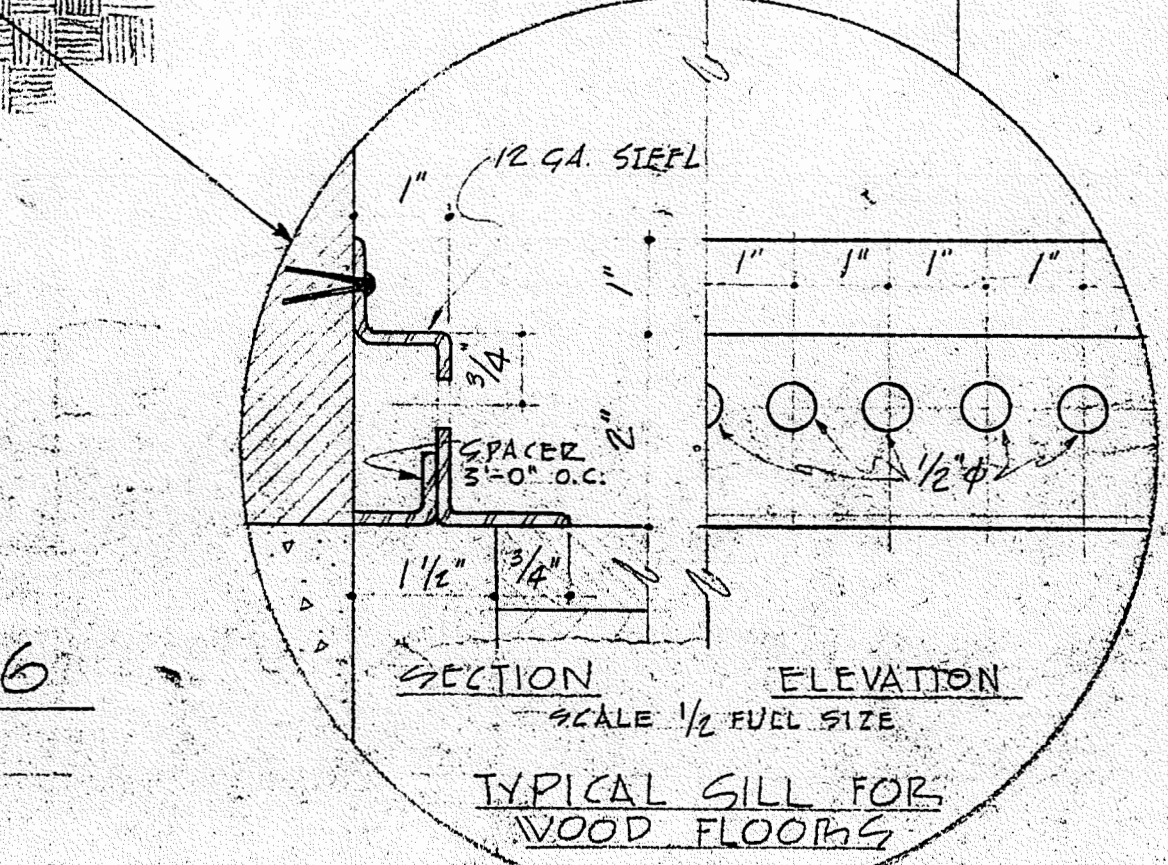
TYPICAL EXPANSION JOINT AT FLOOR  
SCALE 3/4" = 1'-0"



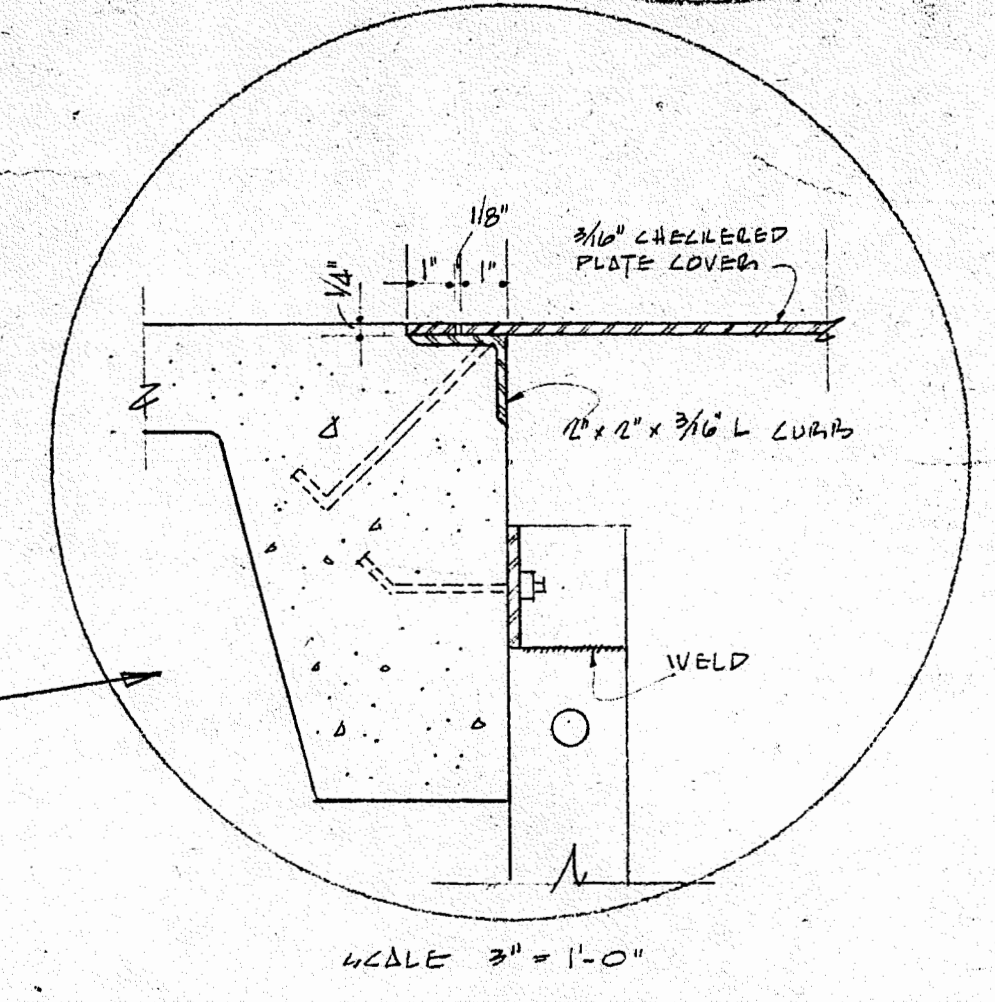
GRATING AT ENTRANCE  
SCALE 3/4" = 1'-0"



DETAIL OF ACCESS HATCH TO CRAWL SPACE  
SCALE 3/4" = 1'-0"



TYPICAL SILL FOR WOOD FLOORS  
SCALE 1/2" = 1'-0"

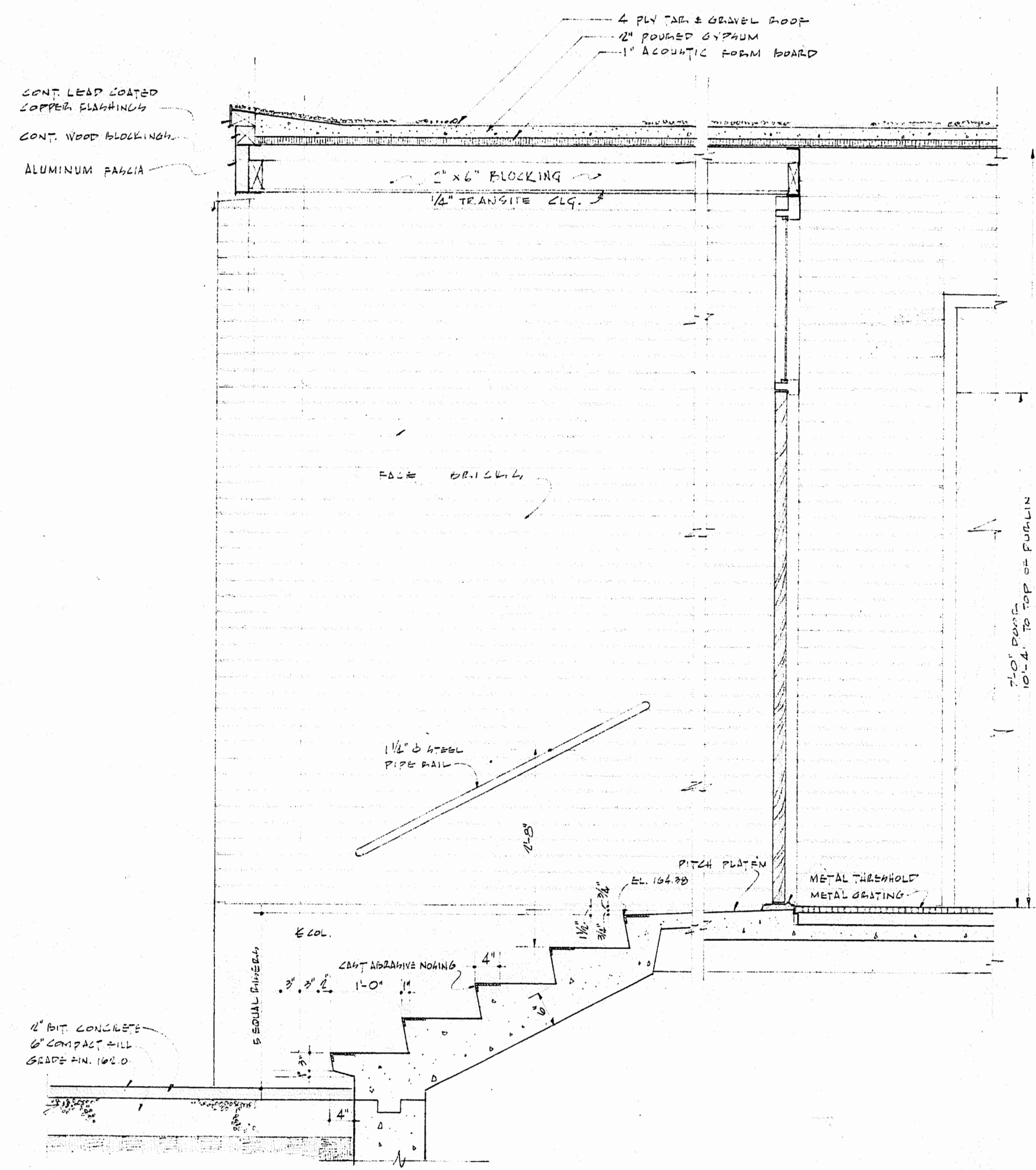


TYPICAL WALL SECTION  
SCALE 3/4" = 1'-0"

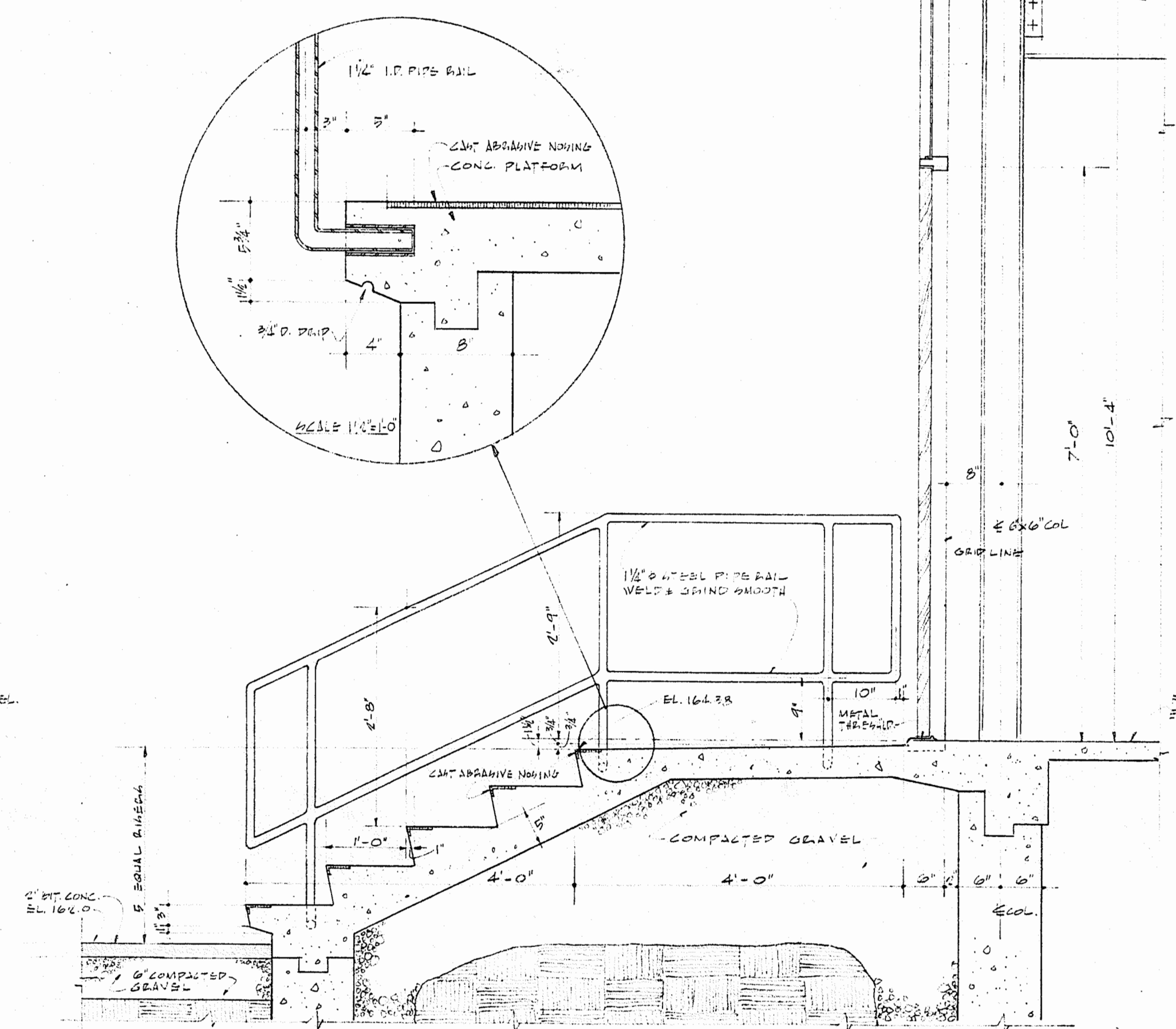
SEALING ARCHITECT  
NO. 493  
BOSTON, MASS.  
FAMINGHAM HIGH SCHOOL  
FLAGG DRIVE  
FAMINGHAM, MASSACHUSETTS  
SAMUEL GLASER ASSOCIATES  
ARCHITECTS & ENGINEERS  
100 NORTH STREET, BOSTON, MASSACHUSETTS

DRAWN BY G.G. DATE MAY 25, 1956 JOB NO. 5608  
CHECKED BY T.J.C. APPROVED BY  
A-13

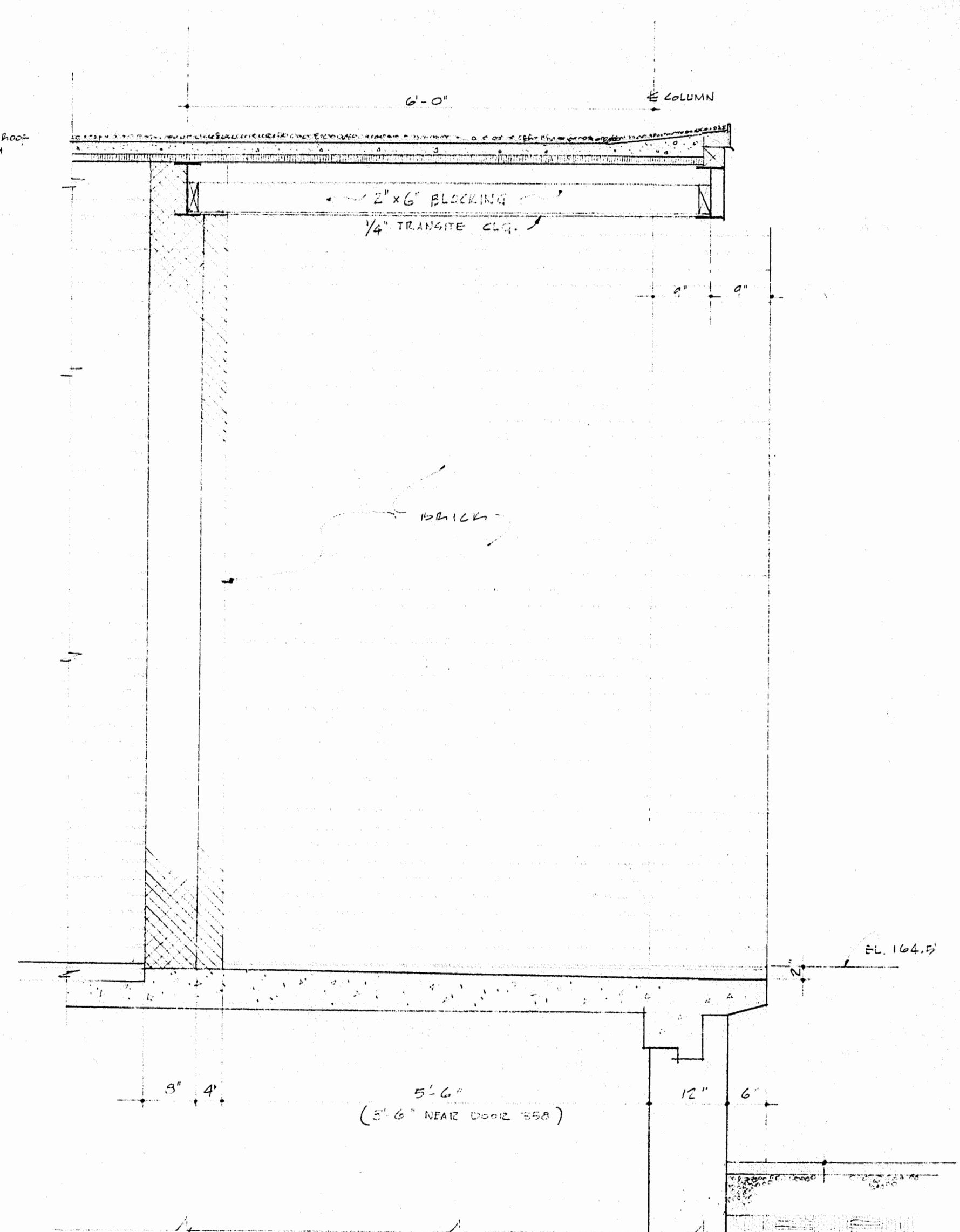




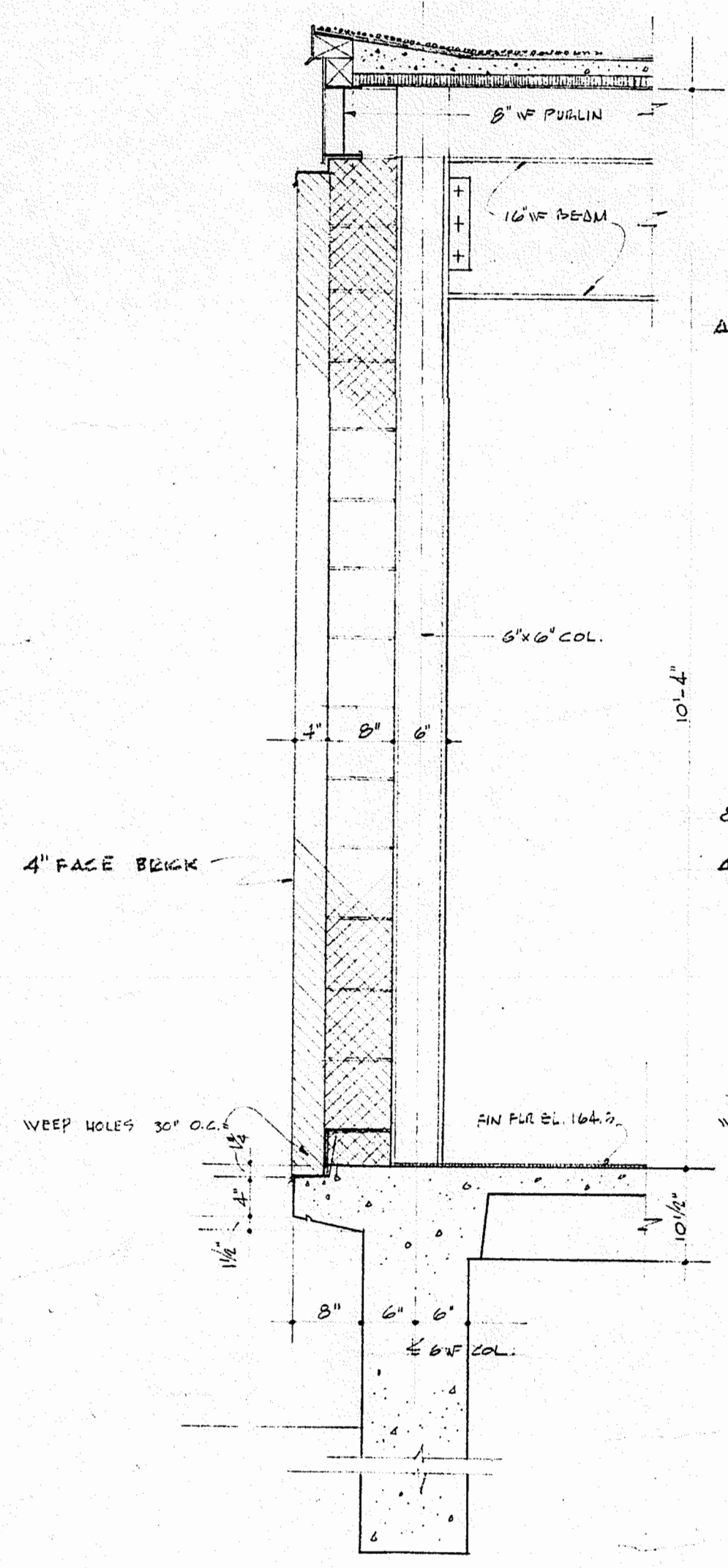
SECTION 8-8  
SCALE 3/8"=1'-0"



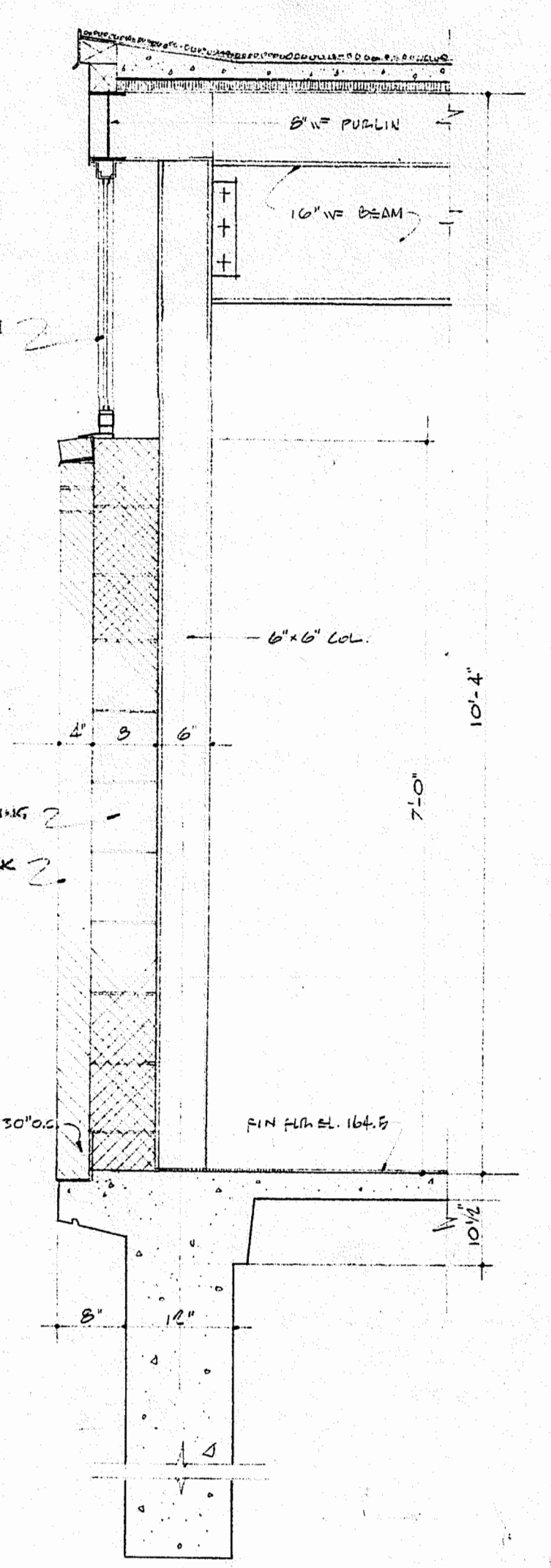
SECTION 9-9  
SCALE 3/8"=1'-0"



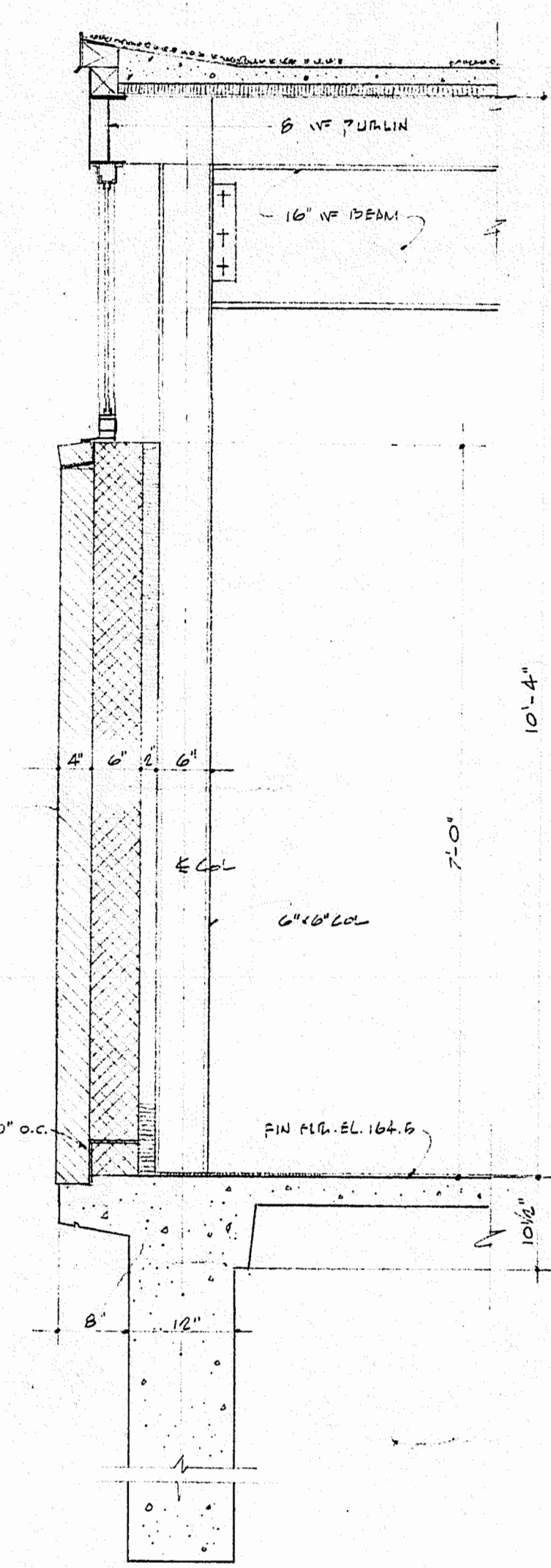
SECTION 10-10  
SCALE 3/8"=1'-0"



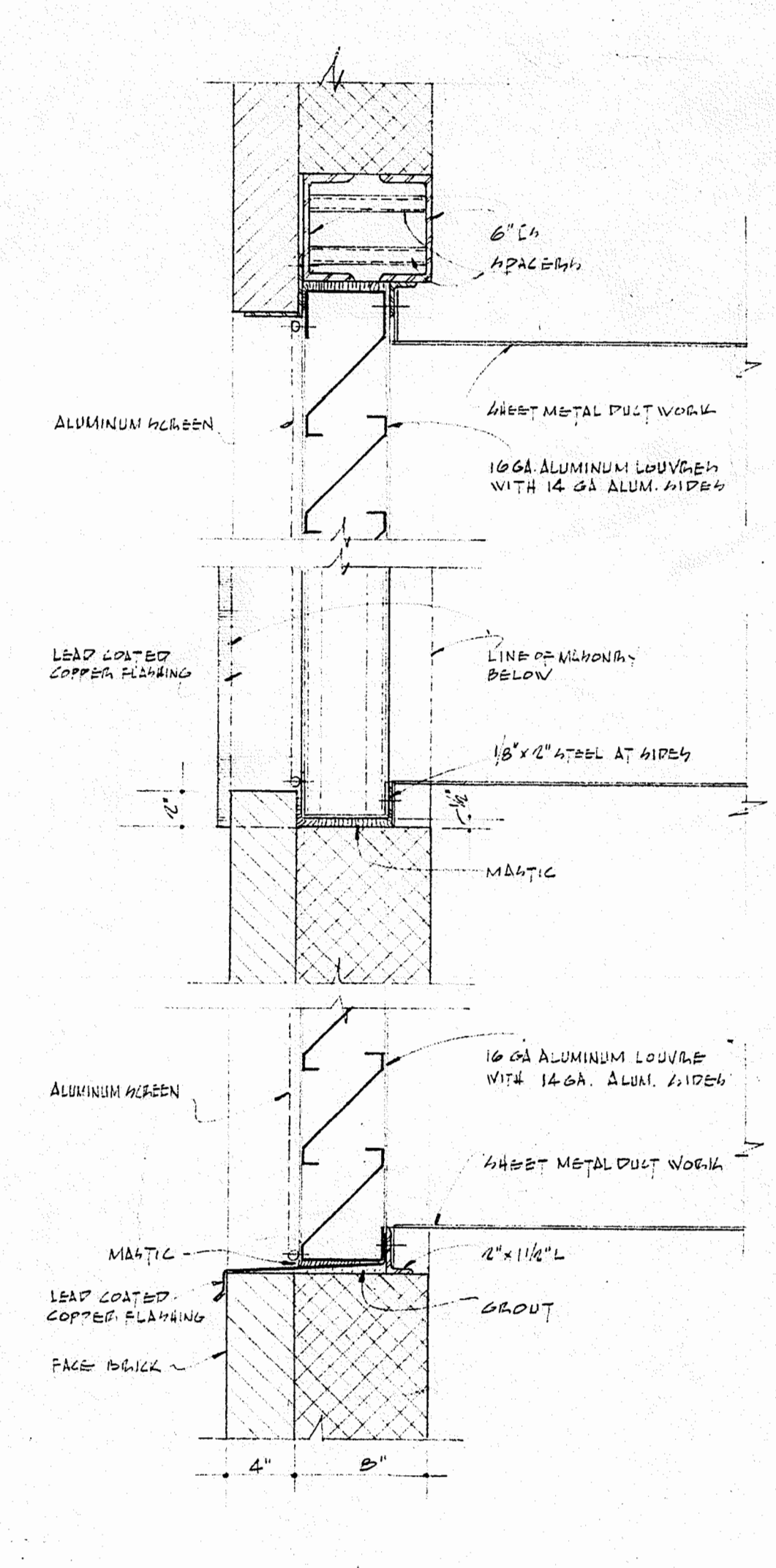
SECTION 11-11  
SCALE 3/8"=1'-0"



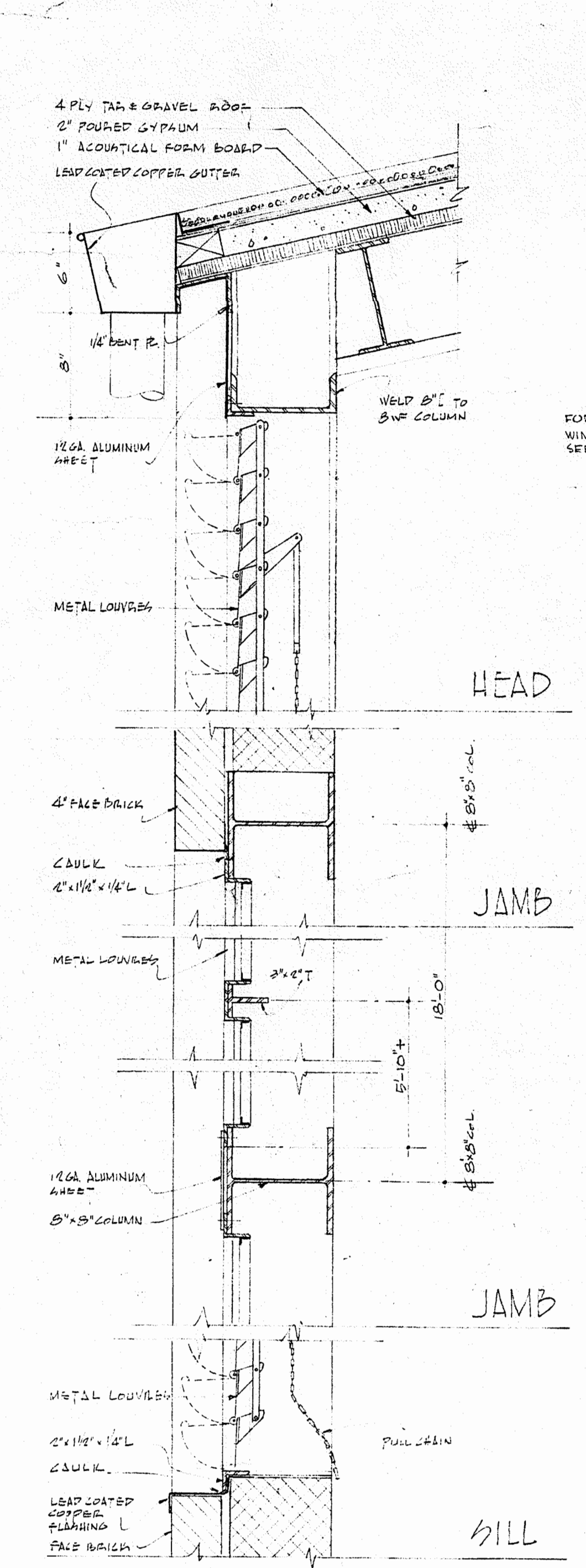
SECTION 12-12  
SCALE 3/8"=1'-0"



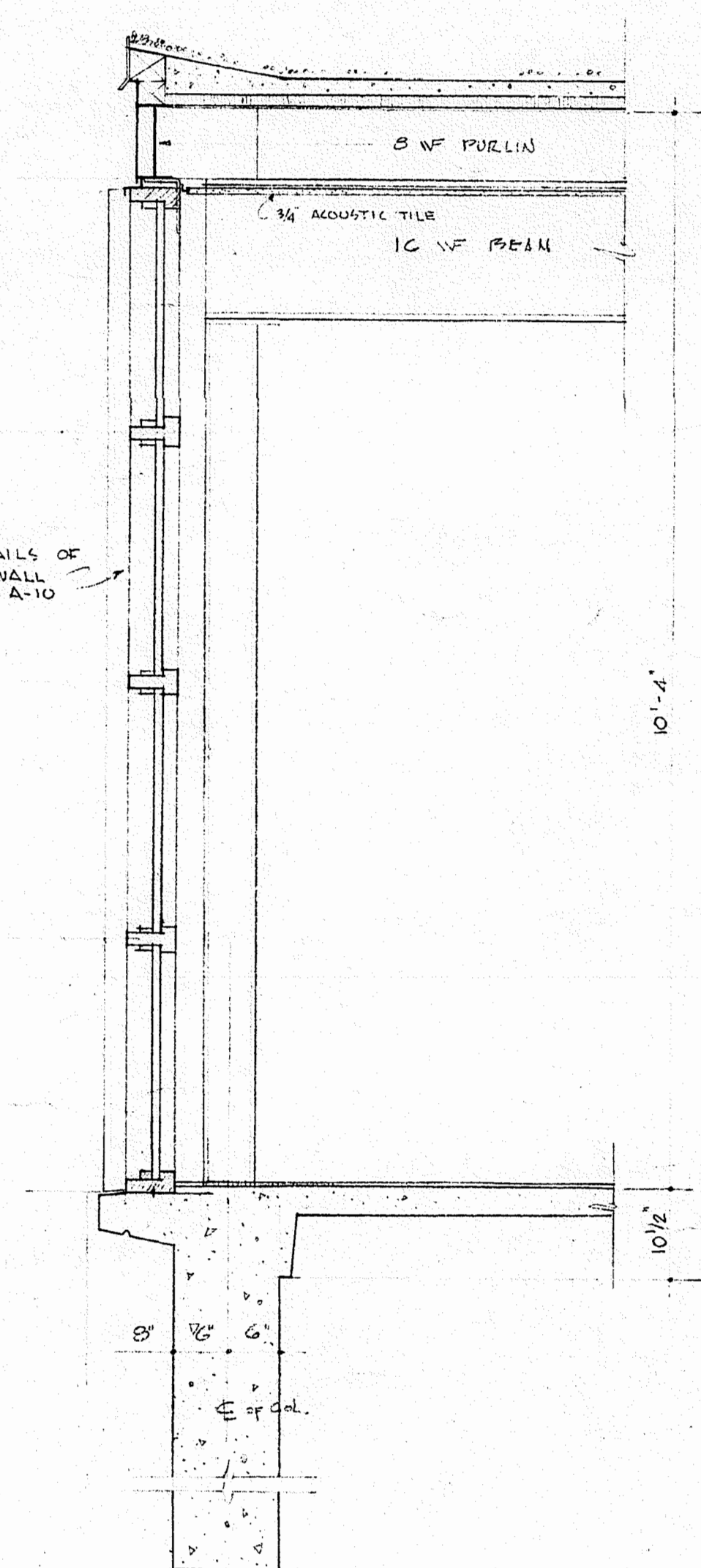
SECTION 13-13  
SCALE 3/8"=1'-0"



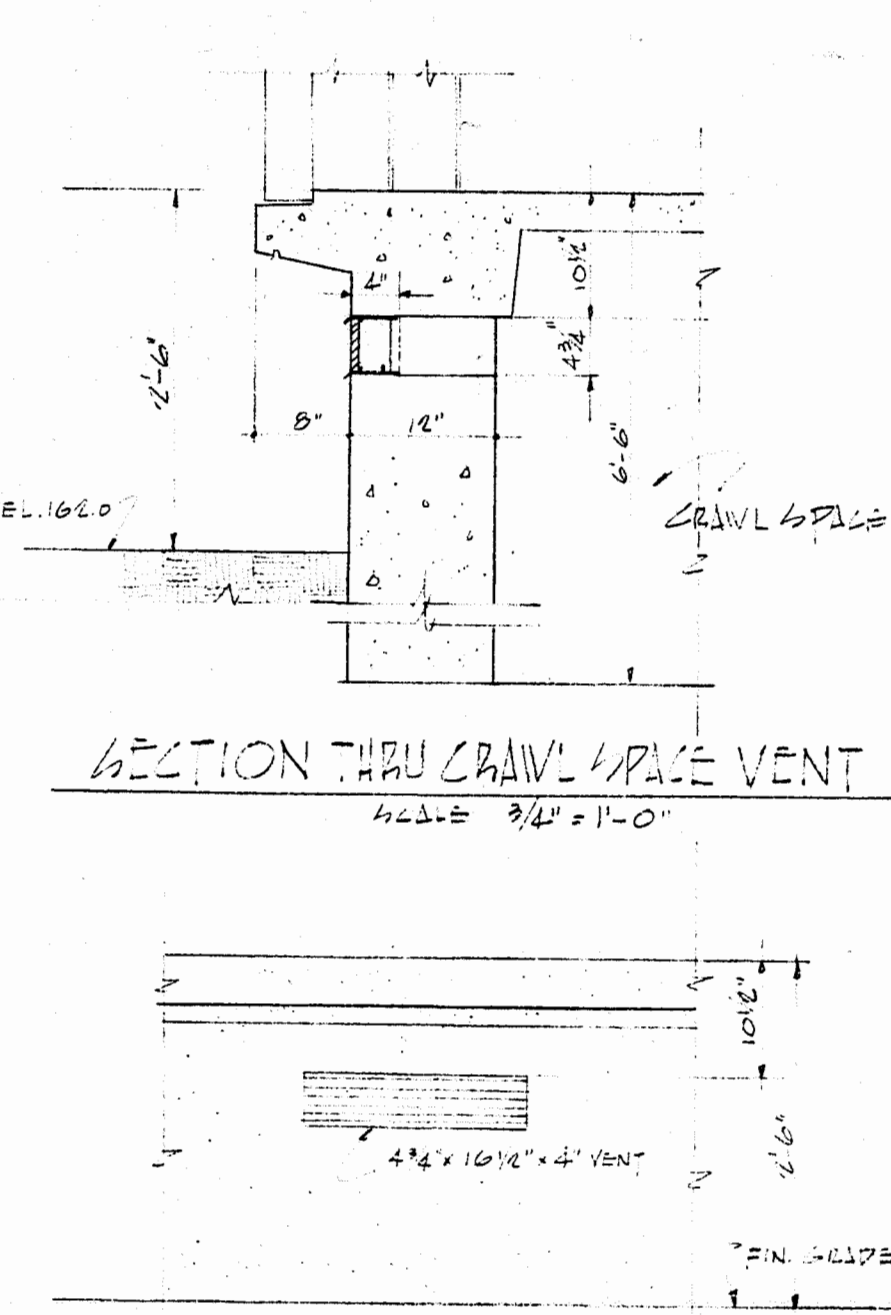
TYPICAL LOUVRE DETAIL  
SCALE 1/4"=1'-0"



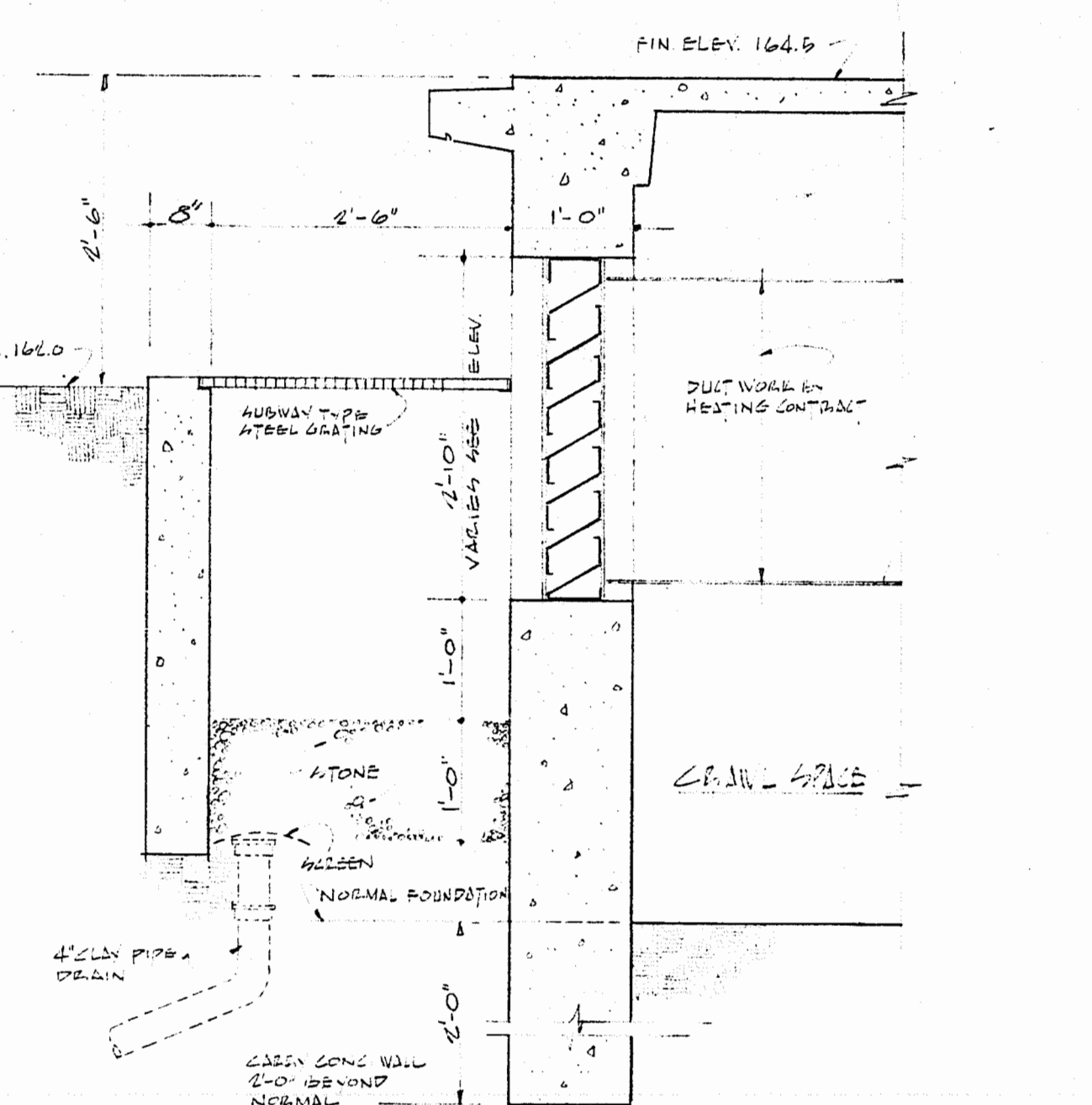
SMOKE LOUVRE DETAILS  
SCALE 1/4"=1'-0"



SECTION 14-14  
SCALE 3/8"=1'-0"



ELEVATION OF CHIMNEY SPACE VENT  
SCALE 3/8"=1'-0"  
FOR LOCATION SEE ELEVATIONS



TYPICAL AIR INTAKE AREA VENT DETAIL  
SCALE 3/8"=1'-0"

**WALL SECTIONS & DETAILS**

FRAMINGHAM HIGH SCHOOL  
FLAGG DRIVE  
FRAMINGHAM, MASSACHUSETTS

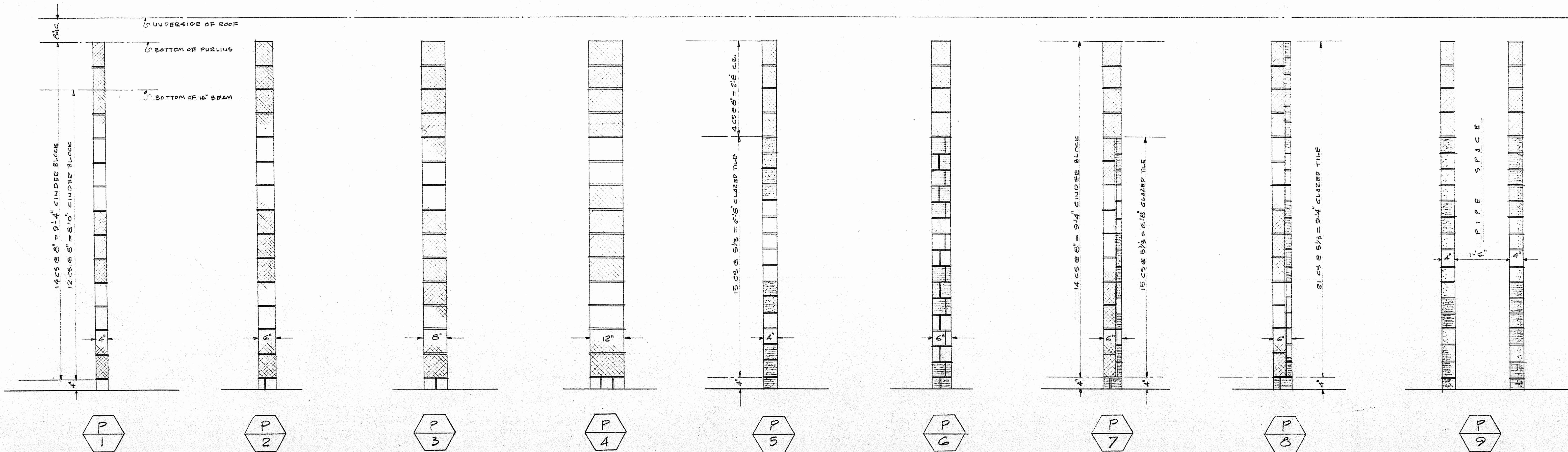
EMMIT OLSON ASSOCIATES  
ARCHITECTS & ENGINEERS  
100 N. MAIN STREET, SUITE 201  
FRAMINGHAM, MASS. 01901

DRAWN BY G.E. DATE MAY 25, 1976  
CHECKED BY T.J.S. APPROVED BY [Signature] 5608

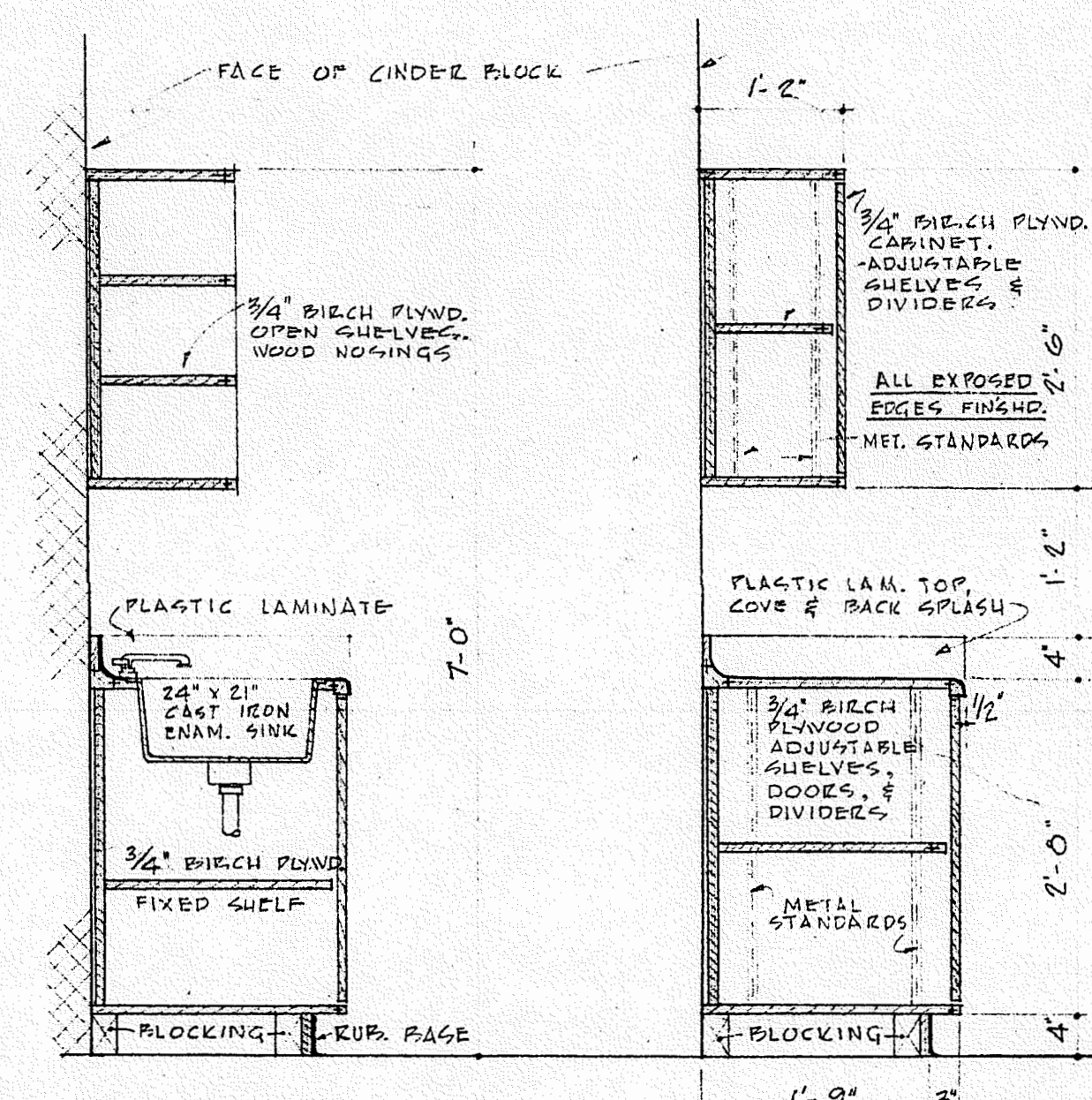
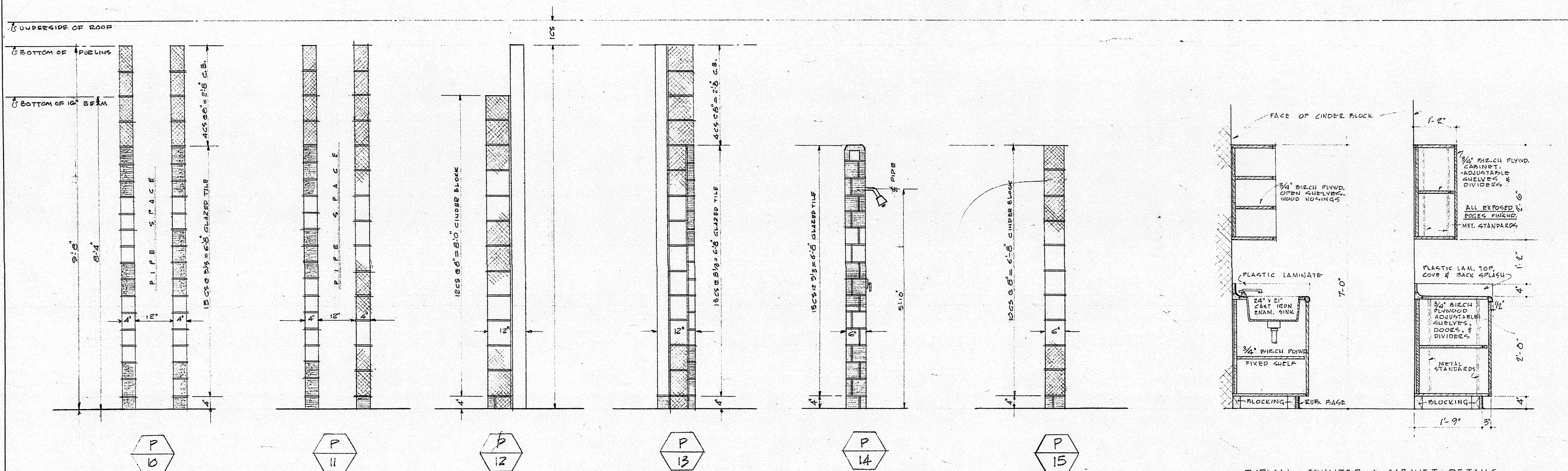
SCALE 3/8"=1'-0"

**A-11**

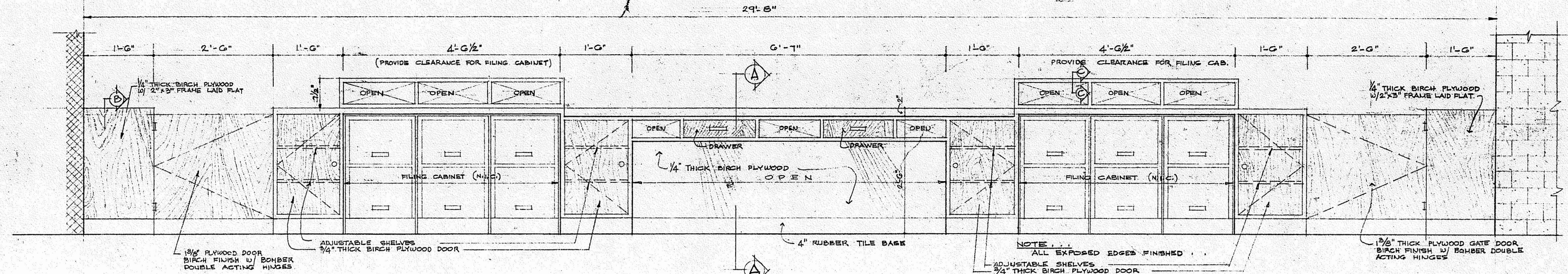




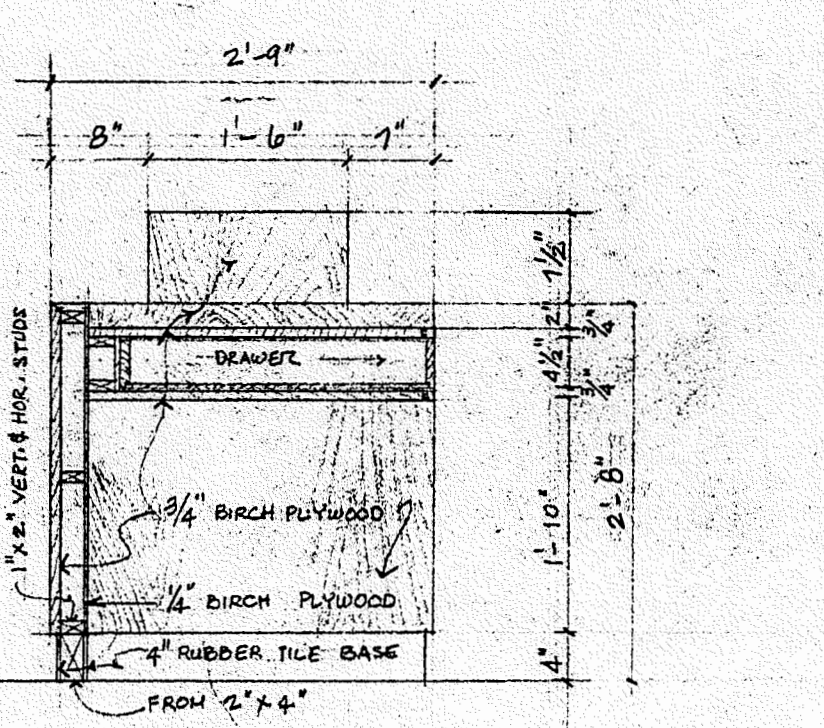
REFER TO PLANS FOR LOCATION OF PARTITIONS



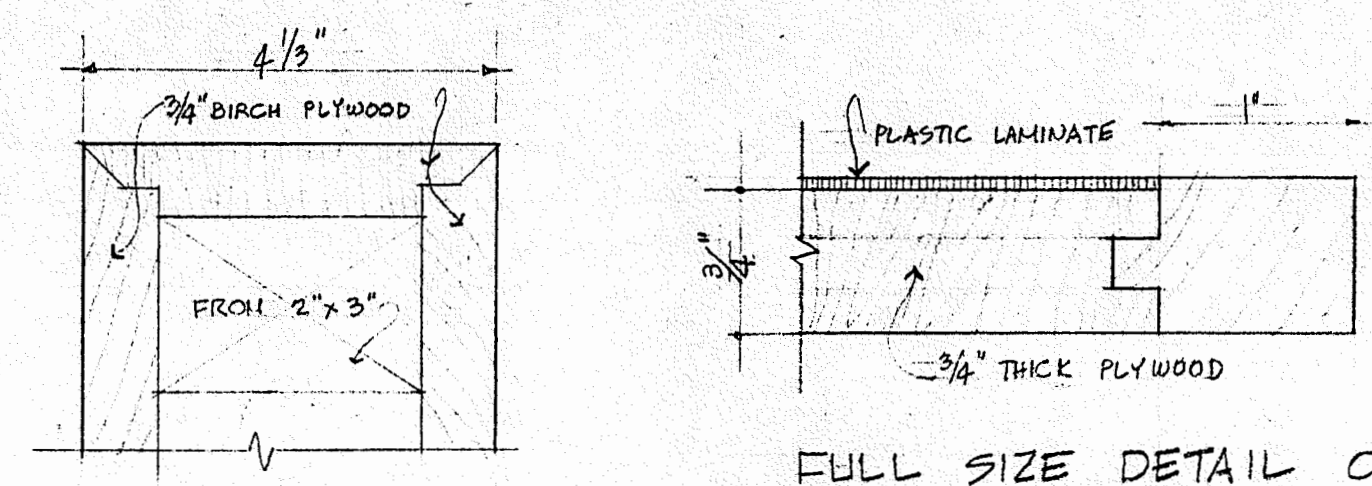
TYPICAL COUNTER & CABINET DETAILS  
SCALE 3/4" = 1'-0"



BACK ELEVATION RECEPTION COUNTER - ADM. WING  
SCALE 3/4" = 1'-0"

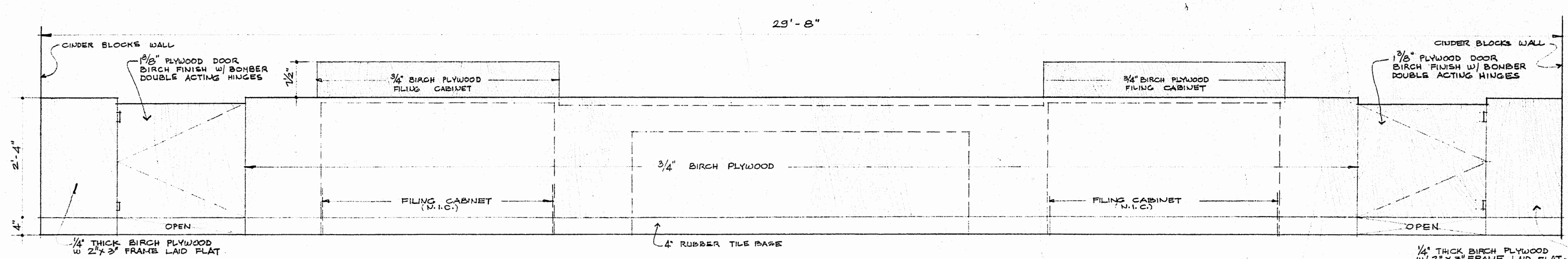


SECTION THRU "A-A"  
SCALE 3/4" = 1'-0"



SECTION THRU "B"  
HALF SIZE DETAIL

FULL SIZE DETAIL OF SECTION THRU "C-C"



FRONT ELEVATION RECEPTION COUNTER ADM. WING  
SCALE 3/4" = 1'-0"

**INTERIOR PARTITIONS & DETAILS**

FRAMINGHAM HIGH SCHOOL  
FLAGG DRIVE  
FRAMINGHAM, MASSACHUSETTS

SAMUEL GLASER ASSOCIATES  
ARCHITECTS & ENGINEERS  
100 STATE STREET, BOSTON, MASS.

REGISTERED ARCHITECT  
No. 483  
BOSTON, MASS.

DRAWN BY J.L.G.  
CHECKED S.J.G.

DATE MAY 25, 1950  
ANSWERS BY

5806

**A-15**



# ROOM FINISH SCHEDULE

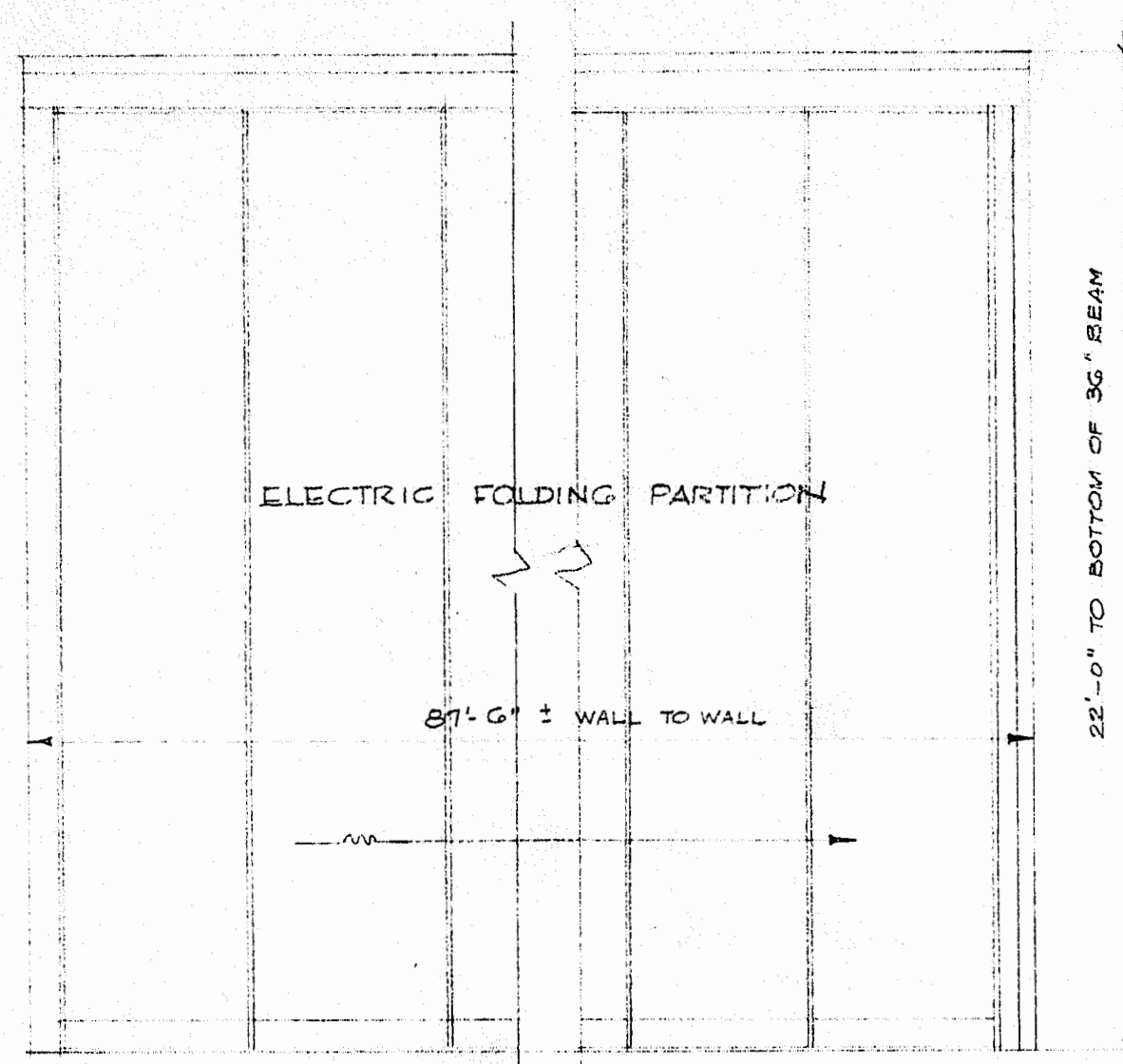
RM. NO.	SPACE DESIGNATION	FLOOR	BASE	NORTH	EAST	SOUTH	WEST	CEILING	REMARKS	RM. NO.	SPACE DESIGNATION	FLOOR	BASE	NORTH	EAST	SOUTH	WEST	CEILING	REMARKS	RM. NO.	SPACE DESIGNATION	FLOOR	BASE	NORTH	EAST	SOUTH	WEST	CEILING	REMARKS		
1	WOOD SHOP	WOOD	METAL	GL. PAN.	CB. GL.	CB. GL.	GL. PAN.	F. B.		101	OFFICE	ASP. TILE	GT.	CB.	CB.	CB.	CB.	F. B.		201	STORAGE	CONC.	GT.	CB.	CB.	CB.	CB.	F. B.			
2	STORAGE	CONC.	GT.	CB.	CB.	CB.	CB.	F. B.		102	STORAGE	CONC.	GT.	CB.	CB.	CB.	CB.	F. B.		202	STORAGE	CONC.	GT.	CB.	CB.	CB.	CB.	F. B.			
3	OFFICE	ASP. TILE	GT.	CB. GL.	CB.	CB. GL.	CB.	F. B.		103	*	CONC.	GT.	CB.	CB.	CB.	CB.	F. B.		203	NURSE	ASP. TILE	GT.	CB.	CB.	CB.	CB.	CB.	F. B.		
4	PASSAGE WAY	CONC.	GT.	CB.	CB.	CB.	CB.	F. B.		104	OFFICE	ASP. TILE	GT. RUB.	CB.	CB.	CB.	GL. PAN.	F. B.		204	M.D.'S OFFICE	ASP. TILE	GT.	CB.	CB.	CB.	CB.	CB.	F. B.		
5	PAINT SHOP	CONC.	GT. RUB.	CB.	CB.	CB.	GL. PAN.	F. B.		105	EXHIB. DISPLAY	ASP. TILE	GT. RUB.	AS	PER	PLAN		F. B.		204	BOY'S HEALTH	ASP. TILE	GT.	CB.	CB.	CB.	CB.	CB.	F. B.		
6	METAL SHOP	CONC.	GT. RUB.	CB.	CB.	CB.	GL. PAN.	F. B.		106	BOOKKEEPING	ASP. TILE	GT. RUB.	GL. PAN.	CB. GL.	GL. GL.	GL. GL.	F. B.		205	EXAMINING	ASP. TILE	GT.	CB.	CB.	CB.	CB.	CB.	F. B.		
7	POWER MECHANIC	CONC.	GT. RUB.	CB.	CB.	CB.	GL. PAN.	F. B.		107	STENOGRAPHY	ASP. TILE	GT. RUB.	GL. PAN.	CB. GL.	GL. GL.	GL. GL.	F. B.		206	STORAGE	CONC.	GT.	CB.	CB.	CB.	CB.	CB.	F. B.		
8	ELECTRICAL SHOP	CONC.	GT. RUB.	CB.	CB.	CB.	GL. PAN.	F. B.		108	SMALL CL. RM.	ASP. TILE	GT. RUB.	GL. PAN.	CB. GL.	GL. GL.	GL. GL.	F. B.		207	D.M.D.'S OFFICE	ASP. TILE	GT.	CB. GL.	CB. GL.	CB. GL.	CB. GL.	F. B.			
9	MACHINE SHOP	CONC.	GT. RUB.	CB.	CB.	CB.	GL. PAN.	F. B.		109	CORRIDOR	ASP. TILE	GT. RUB.	GL. PAN.	AS	PER	PLAN	F. B.		208	TOILET	CER. TILE	GT.	CB. GL.	CB. GL.	CB. GL.	CB. GL.	F. B.			
10	AUTOMOBILE SHOP	CONC.	GT. RUB.	CB.	CB.	CB.	GL. PAN.	F. B.		110	BUSINESS OFF.	ASP. TILE	GT. RUB.	GL. PAN.	CB.	CB.	CB.	F. B.		209	TEAM ROOM	CER. TILE	GT.	CB. GL.	CB. GL.	CB. GL.	CB. GL.	F. B.			
11	RELATED CL. RM.	ASP. TILE	GT. RUB.	CB.	CB.	GL. PAN.	GL. PAN.	F. B.		111	STORAGE	CONC.	GT.	CB.	CB.	CB.	CB.	F. B.		210	1ST AID	ASP. TILE	GT.	CB.	CB.	CB.	CB.	CB.	F. B.		
12	DRAFTING CL. RM.	ASP. TILE	GT. RUB.	CB.	CB.	GL. PAN.	GL. PAN.	F. B.		112	STORAGE	CONC.	GT.	CB.	CB.	CB.	CB.	F. B.		211	"	ASP. TILE	GT.	CB.	CB.	CB.	CB.	CB.	F. B.		
13	OFFICE	ASP. TILE	GT.	GL. CB.	CB.	CB.	CB.	F. B.		113	BOOKKEEPING	ASP. TILE	GT. RUB.	GL. PAN.	CB. GL.	CB. GL.	CB.	F. B.		212	CUSTODIAN	CONC.	GT.	CB.	CB.	CB.	CB.	CB.	F. B.		
14	STORAGE	CONC.	GT.	CB.	CB.	CB.	CB.	F. B.		114	CUSTOMER	CONC.	GT.	CB.	CB.	CB.	CB.	F. B.		213	CORRIDOR	ASP. TILE	GT.	CB.	CB.	CB.	CB.	CB.	F. B.		
15	EQUIPMENT RM.	CONC.	GT.	CB.	CB.	CB.	CB.	F. B.		115	VESTIBULE	ASP. TILE	GT.	CB.	CB.	CB.	CB.	F. B.		214	INSTRUCTOR	ASP. TILE	GT.	CB. GL.	CB. GL.	CB. GL.	CB. GL.	F. B.			
16	TOOL RM.	CONC.	GT.	CB.	CB.	CB.	CB.	F. B.		116	GIRLS' TOILET	CER. TILE	GT.	GT. CB.	GT. CB.	GT. CB.	GT. CB.	F. B.		215	TOILET	CER. TILE	GT.	CB. GL.	CB. GL.	CB. GL.	CB. GL.	F. B.			
17	CORRIDOR	ASP. TILE	GT.	CB.	CB.	CB.	CB.	F. B.		117	BOYS' TOILET	CER. TILE	GT.	GT. CB.	GT. CB.	GT. CB.	GT. CB.	F. B.		216	TOWEL	CONC.	GT.	CB.	CB.	CB.	CB.	CB.	F. B.		
18	WOMEN'S TOILET	CONC.	GT.	CB.	CB.	CB.	CB.	F. B.		118	WOMEN'S REST RM.	ASP. TILE	GT. RUB.	CB.	CB.	CB.	CB.	F. B.		217	DRIVING	CONC.	GT.	CB.	CB.	CB.	CB.	CB.	F. B.		
19	STOCK RM.	CONC.	GT.	CB.	CB.	CB.	CB.	F. B.		119	WOMEN'S TOILET	CER. TILE	GT.	GT. CB.	GT. CB.	GT. CB.	GT. CB.	F. B.		218	GIRLS LOCKERS	CONC.	GT.	GT. CB.	CB.	CB. GL.	CB. GL.	F. B.			
20	OFFICE	ASP. TILE	GT.	CB.	CB.	CB.	CB. GL.	F. B.		120	MEN'S TOILET	CER. TILE	GT.	GT. CB.	GT. CB.	GT. CB.	GT. CB.	F. B.		219	" TOILET	CER. TILE	GT.	GT. CB.	GT. CB.	CB. GL.	CB. GL.	F. B.			
21	MEN'S TOILET	CER. TILE	GT.	CB. GL.	CB. GL.	CB. GL.	CB. GL.	F. B.		121	MEN'S REST RM.	ASP. TILE	GT. RUB.	CB.	GL. PAN.	CB.	CB.	F. B.		220	" REST RM.	CONC.	GT.	CB.	CB.	CB.	CB.	CB.	F. B.		
22	WOMEN'S TOILET	CER. TILE	GT.	CB. GL.	CB. GL.	CB. GL.	CB. GL.	F. B.		122	TEACHERS RM.	ASP. TILE	GT. RUB.	CB.	GL. PAN.	CB.	CB. GL.	F. B.		221	TEAM ROOM	CONC.	GT.	CB.	CB.	CB.	CB.	CB.	F. B.		
23	TEACHERS' RM.	ASP. TILE	GT. RUB.	CB.	GL. PAN.	CB.	CB. GL.	F. B.		123	MED. CL. RM.	ASP. TILE	GT. RUB.	CB.	GL. PAN.	CB.	CB. GL.	F. B.		222	SHOWER	CONC.	GT.	GT. CB.	GT. CB.	GT. CB.	GT. CB.	F. B.			
24	STORAGE	CONC.	GT.	CB.	CB.	CB.	CB.	F. B.		124	BOILER RM.	CONC.	NONE	CB. GL.	CB. GL.	CB. GL.	CB. GL.	F. B.		223	TOILET	CER. TILE	GT.	GT. CB.	GT. CB.	GT. CB.	GT. CB.	F. B.			
25	OFFICE	ASP. TILE	GT.	CB.	CB.	CB.	CB.	F. B.		125	TOILET RM.	CER. TILE	GT.	CB. GL.	CB. GL.	CB. GL.	CB. GL.	F. B.		224	"	CER. TILE	GT.	GT. CB.	GT. CB.	GT. CB.	GT. CB.	F. B.			
26	PLANNING RM.	ASP. TILE	GT. RUB.	CB.	GL. PART.	CB.	CB.	F. B.		126	MED. CL. RM.	ASP. TILE	GT. RUB.	GL. PAN.	CB. GL.	CB. GL.	CB. GL.	F. B.		225	1ST AID + COACHES	ASP. TILE	GT.	CB.	CB.	CB.	CB.	CB.	F. B.		
27	STORAGE	CONC.	GT.	CB.	CB.	CB.	CB.	F. B.		127	WIREMESH	ASP. TILE	GT. RUB.	GL. PAN.	CB. GL.	CB. GL.	CB. GL.	F. B.		226	CORRIDOR	ASP. TILE	GT.	CB.	CB.	CB.	CB.	CB.	F. B.		
28	TOILET RM.	CER. TILE	GT.	CB. GL.	CB. GL.	CB. GL.	CB. GL.	F. B.		128	MED. CL. RM.	ASP. TILE	GT. RUB.	CB. GL.	CB. GL.	CB. GL.	CB. GL.	F. B.		227	ATHLETIC DIR.	ASP. TILE	GT.	CB.	CB.	CB.	CB.	CB.	F. B.		
29	"	CER. TILE	GT.	CB. GL.	CB. GL.	CB. GL.	CB. GL.	F. B.		129	LARGE CL. RM.	ASP. TILE	GT. RUB.	CB. GL.	CB.	GL. PAN.	CB. GL.	F. B.		228	STORAGE	CONC.	GT.	CB.	CB.	CB.	CB.	CB.	F. B.		
30	OFFICE	ASP. TILE	GT.	CB.	CB.	CB.	CB.	F. B.		130	CORRIDOR	"	"	"	AS	PER	PLAN	"		229	TOILET	CER. TILE	GT.	CB. GL.	GT. CB.	GT. CB.	GT. CB.	F. B.			
31	PLANNING RM.	WOOD	HT. RUB.	GL. PAN.	CB.	CB.	CB. GL.	F. B.		131	TYPING RM.	"	"	"	"	"	"	"		230	STORAGE	CONC.	"	"	"	"	"	"	"		
32	MATH. LAB. + STOR.	ASP. TILE	GT. RUB.	GL. PAN.	"	"	CB.	"		132	"	"	"	"	"	"	"	"		231	PLY. ED. DIR.	ASP. TILE	"	"	"	"	"	"	"		
33	MATH. CL. RM.	"	"	"	"	"	"	"		133	"	"	"	"	"	"	"	"		232	STORAGE	CONC.	"	"	"	"	"	"	"		
34	VESTIBULE	"	"	GT.	"	AS	PER	PLAN	"	134	OFFICE PRACTICE	"	"	"	"	"	"	"		233	VESTIBULE	ASP. TILE	"	"	"	"	"	"	"		
35	CORRIDOR	"	"	"	"	"	"	"		135	REST RM.	"	"	GT.	"	"	"	"		234	"	CONC.	"	"	"	"	"	"	"		
36	DRAWING RM.	"	"	"	"	CB.	CB.	GL. GL.	"	136	WOMEN'S TOILET	CER. TILE	"	CB. GL.	CB. GL.	CB. GL.	CB. GL.	"		235	TOILET	CER. TILE	"	CB. GL.	CB. GL.	CB. GL.	CB. GL.	"	"		
37	"	"	"	"	"	"	"	"		137	CUSTODIAN	CONC.	"	CB.	CB.	CB.	CB.	"		236	TEAM ROOM	CONC.	"	CB.	CB.	CB.	CB.	"	"		
38	GRAPHICS RM.	"	"	"	"	"	"	"		138	MEN'S TOILET	CER. TILE	"	CB. GL.	CB. GL.	CB. GL.	CB. GL.	"		237	BOYS DRYING	"	"	"	"	"	"	"			
39	DARK RM.	CONC.	GT.	"	"	"	CB.	"		139	FAN ROOM	CONC.	"	CB.	CB.	CB.	CB.	"		238	" LOCKERS	"	"	"	AS	PER	PLAN	"			
40	STORAGE	"	"	"	"	"	"	"		140	STORAGE	CONC.	"	CB.	"	"	"	"		239	TOWEL	"	"	CB.	CB.	CB.	CB.	"			
41	RELATED CL. RM.	ASP. TILE	"	"	"	"	"	"		141	BAND PRACTICE	ASP. TILE	"	AS	PER	DETAIL	A-24	"		240	INSTRUCTOR	ASP. TILE	"	"	CB.	"	"	"			
42	"	"	"	"	"	"	"	"		142	PRACTICE ROOM	"	"	CB.	CB.	CB.	CB.	ACOUSTIC		241	BOYS TOILET	CER. TILE	"	CB. GL.	CB. GL.	CB. GL.	CB. GL.	"			
43	VOCATIONAL DIR.	"	"	GT. RUB.	"	GL. PART.	"	"		143	"	"	"	"	"	"	"	"		242	JAN. WORK SHOP	CONC.	"	CB.	CB.	CB.	CB.	"			
44	" OFF.	"	"	"	"	CB.	"	GL. PART.	"	144	"	"	"	"	"	"	"	"		243	STORAGE	"	"	"	"	"	"	"			
45	TOILET	CER. TILE	GT.	GT. CB.	GT. CB.	GT. CB.	GT. CB.	"		145	OFFICE	"	"	GT. RUB.	"	"	"	"		244	CORRIDOR	ASP. TILE	"	"	"	"	"	"			
46	STORAGE	CONC.	"	CB.	CB.	CB.	CB.	"		146	STORAGE	"	"	GT.	"	"	"	"		245	CUSTODIAN	CONC.	"	"	"	"	"	"			
47	"	"	"	"	"	"	"	"		147	"	"	"	"	"	"	"	"		246	TOILET	CER. TILE	"	CB. GL.	CB. GL.	CB. GL.	CB. GL.	"			
48	SCIENCE OFF.	ASP. TILE	GT. RUB.	"	GL. PART.	"	"	"		148	JAN. STORAGE	"	"	"	"	"	"	"		247	LOCKERS	CONC.	"	CB.	CB.	CB.	CB.	"			
49	MED. CL. RM.	"	"	"	"	CB.	GL. PAN.	"		149	TOILET	CER. TILE	"	GT. RUB.	GT. CB.	GT. CB.	GT. CB.	"		248	"	"	"	"	"	"	"				
50	OFFICE	"	"	GT.	"	"	CB.	"		150	GIRLS' DRESSING	ASP. TILE	"	CB.	CB.	CB.	CB.	"		249	TOILET	CER. TILE	"	CB. GL.	CB. GL.	CB. GL.	CB. GL.	"			
51	STORAGE	CONC.	"	"	"	"	GL. PAN.	"		151	PASSAGE	"	"	"	"	"	"	"		250	MATERIAL	ASP. TILE	"	CB.	CB.	CB.	CB.	"			



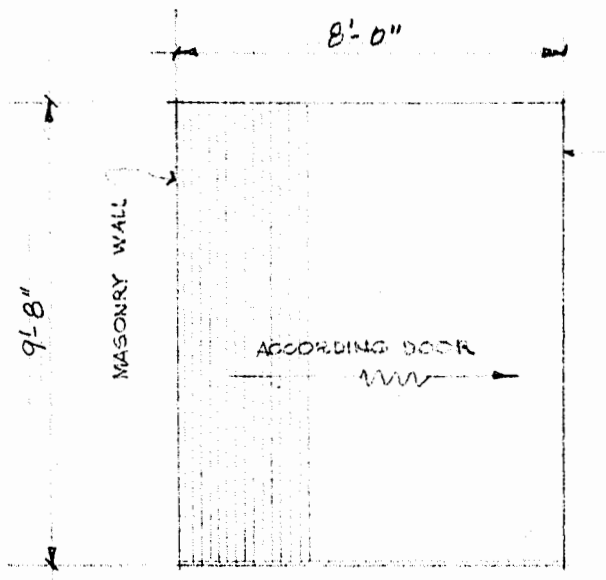
DOOR SCHEDULE									
DOOR NO.	DOOR TYPE	FRAME TYPE	PAINTERS FIN. NATURAL PAINTED	H A R D W A R E PANIC KICKPLATE CLOSERS THRES. ASTRAGAL	WEATHER STRIP	LOUVERS	REMARKS		
1	I						ALUM. FRAME		
2	I								
3	I								
4	R						WOOD FRAME		
5	R								
6	R								
7	R								
8	R						ALUM. FRAME		
9	R								
10	R						ALUM. FRAME		
11	R								
12	R								
13	R						ALUM. FRAME		
14	R								
15	R						ALUM. FRAME		
16	R								
17	R								
18	R								
19	R						WOOD FRAME		
20	R						WIREMESH DOOR		
21	R								
22	R								
23	R								
24	R								
25	R								
26	R								
27	R						WIREMESH DOOR		
28	R								
29	R						WIREMESH DOOR		
30	R						WOOD FRAME		
31	R								
32	R								
33	R								
34	R						WOOD FRAME		
35	R								
36	R						WOOD FRAME		
37	R								
38	R						WOOD FRAME		
39	R								
40	R						WOOD FRAME		
41	R								
42	R						WIREMESH DOOR		
43	R								
44	R						NO GLASS		
45	R								
46	R								
47	R						WIREMESH DOOR		
48	R								
49	R								
50	R						WOOD FRAME		
51	R								
52	R								
53	R								
54	R								
55	R								
56	R								
57	R								
58	R						WOOD FRAME		
59	R								
60	R						WOOD FRAME		
61	R								
62	R								
63	R						NO GLASS		
64	R								
65	R								
66	R								
67	R								
68	R						WOOD FRAME		
69	R								
70	R								
71	R								
72	R						WOOD FRAME		
73	R								
74	R								
75	R								
76	R						WOOD FRAME		
77	R								
78	R								
79	R								
80	R						ALUM. FRAME		
81	R								
82	R						NO GLASS		
83	R								
84	R								
85	R								
86	R						ALUM. FRAME		
87	R								
88	R								
89	R						NO GLASS		
90	R								
91	R						NO GLASS		
92	R								
93	R								
94	R								
95	R								
96	R								
97	R								
98	R								
99	R								
100	R								
101	R								
102	R								
103	R								
104	R								
105	R								
106	R								
107	R								
108	R								
109	R								
110	R								
111	R						NO GLASS		
112	R								
113	R								
114	R						NO GLASS		
115	R								
116	R								
117	R								
118	R								
119	R								
120	R								
121	R								
122	R								
123	R								
124	R								
125	R						NO GLASS		
126	R								
127	R								
128	R								
129	R								
130	R								
131	R								
132	R								
133	R								
134	R								
135	R								
136	R								
137	R								
138	R								
139	R								
140	R								
141	R						ALUM. FRAME		
142	R								
143	R								
144	R								
145	R								
146	R								
147	R								
148	R								
149	R								
150	R								
151	R								
152	R								
153	R								
154	R								
155	R								
156	R								
157	R								
158	R								
159	R								
160	R								
161	R								
162	R								
163	R								
164	R								
165	R								
166	R						ALUM. FRAME		

DOOR NO.	DOOR TYPE	FRAME TYPE	PAINTERS FIN. NATURAL PAINTED	H A R D W A R E PANIC KICKPLATE CLOSERS THRES. ASTRAGAL	WEATHER STRIP	LOUVERS	REMARKS
167	R						ALUM. FRAME
168	R						
169	R						
170	R						
171	R						
172	R						
173	R						
174	R						
175	R						
176	R						
177	R						
178	R						
179	R						
180	R						
181	R						
182	R						
183	R						
184	R						
185	R						NO GLASS
186	R						
187	R						
188	R						
189	R						
190	R						
191	R						8'x16' GLASS
192	R						
193	R						
194	R						
195	R						
196	R						
197	R						
198	R						
199	R						
200	R						ALUM. FRAME
201	R						NO GLASS
202	R						
203	R						
204	R						
205	R						
206	R						
207	R						
208	R						
209	R						
210	R						
211	R						
212	R						
213	R						
214	R						NO GLASS
215	R						
216	R						NO GLASS
217	R						
218	R						
219	R						
220	R						
221	R						
222	R						
223	R						
224	R						
225	R						
226	R						
227	R						NO GLASS
228	R						
229	R						
230	R						
231	R						
232	R						ALUM. FRAME
233	R						NO GLASS
234	R						
235	R						
236	R						WOOD FRAME
237	R						
238	R						
239	R						NO GLASS
240	R						
241	R						NO GLASS
242	R						WOOD FRAME
243	R						
244	R						
245	R						
246	R						
247	R						
248	R						
249	R						
250	R						
251	R						WOOD FRAME
252	R						
253	R						WOOD FRAME
254	R						VAULT DOOR
255	R						WOOD FRAME
256	R						CBTS & SEW'K
257	R						
258	R						
259	R						NO GLASS
260	R						
261	R						
262	R						
263	R						NO GLASS
264	R						
265	R						
266	R						
267	R						
268	R						CBTS & SEW'K
269	R						WOOD FRAME
270	R						NO GLASS
271	R						
272	R						
273	R						
274	R						
275	R						
276	R						
277	R						
278	R						
279	R						
280	R						NO GLASS
281	R						
282	R						NO GLASS
283	R						

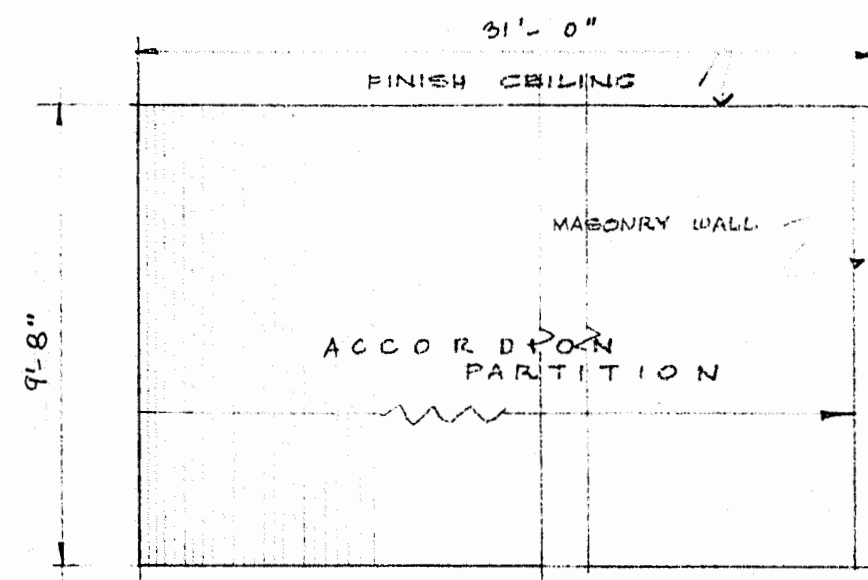




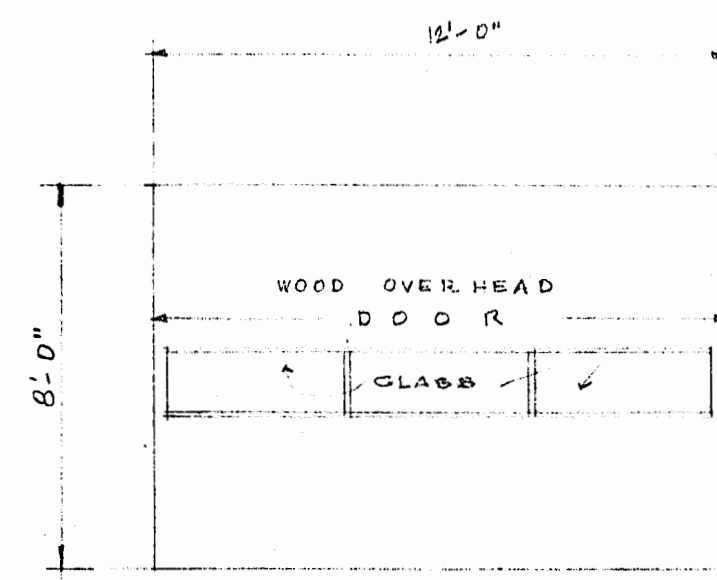
CYMNASIUM  
NOT IN CONTACT



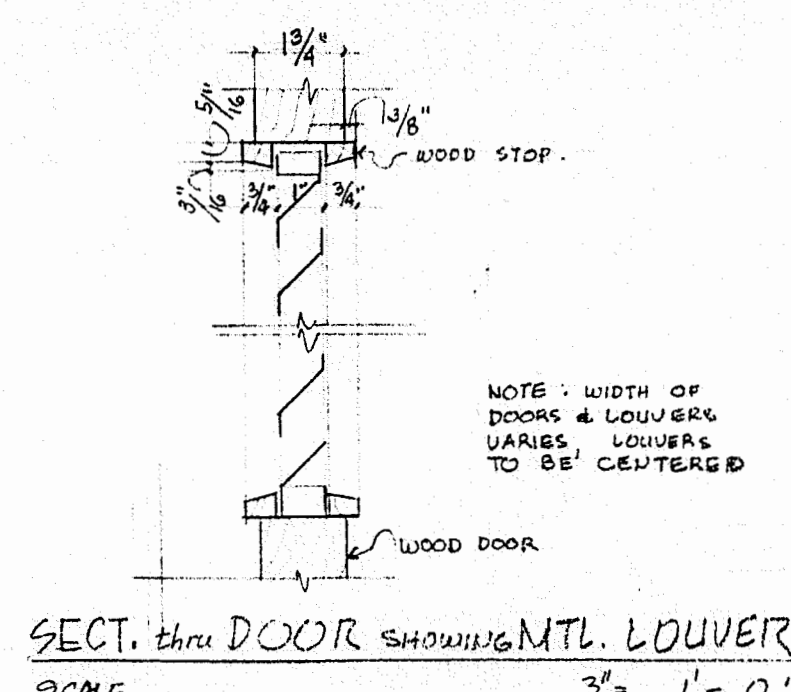
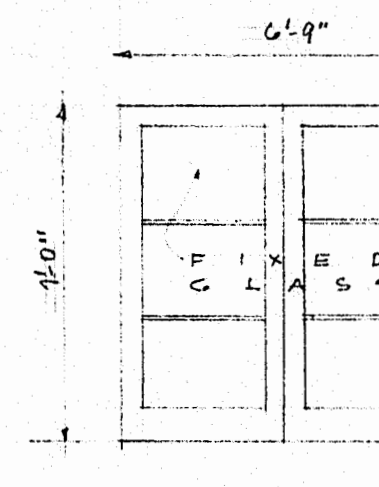
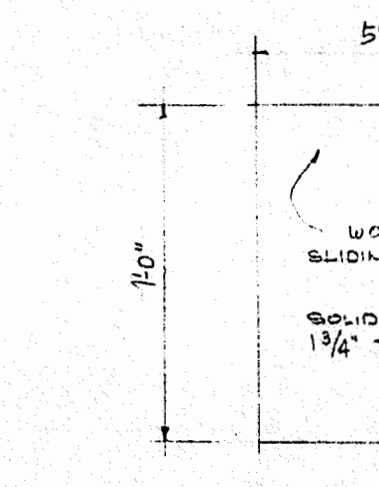
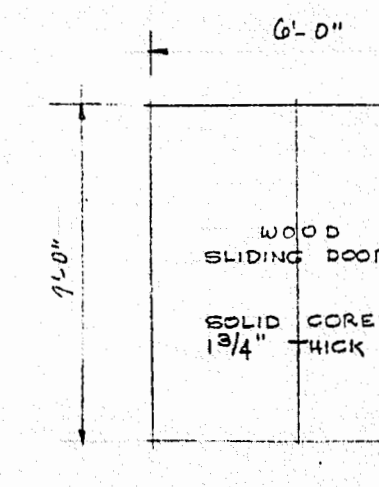
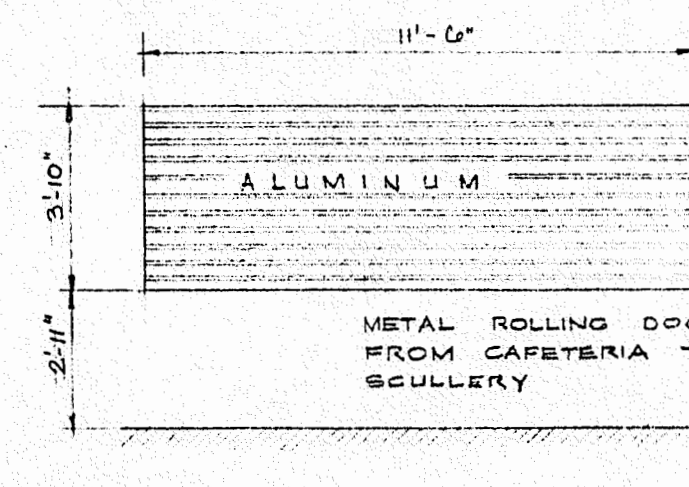
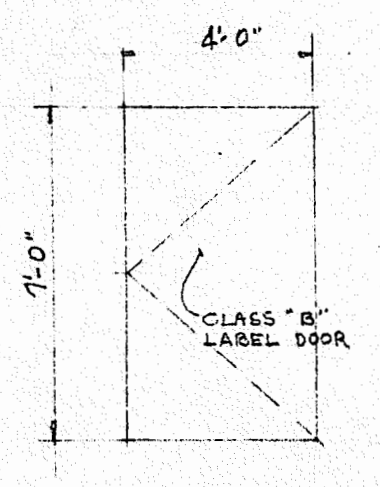
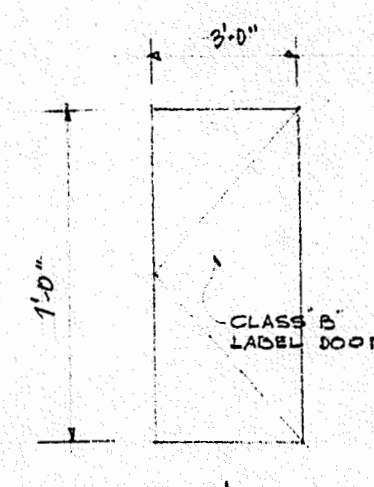
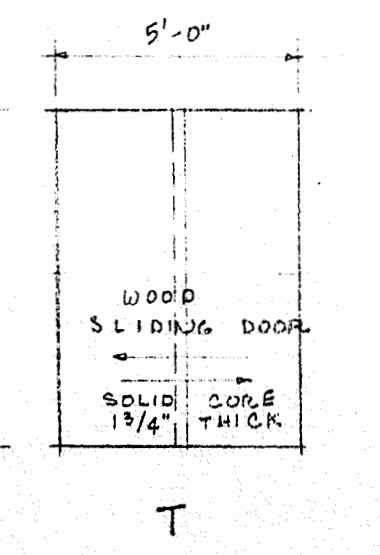
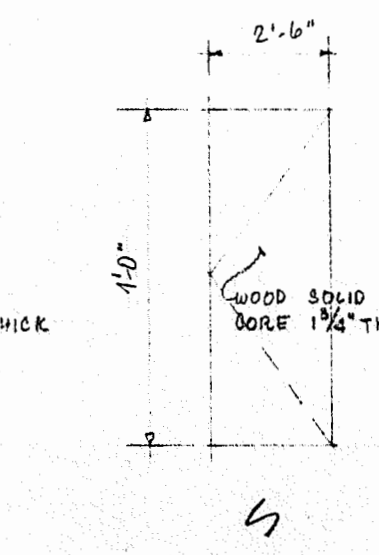
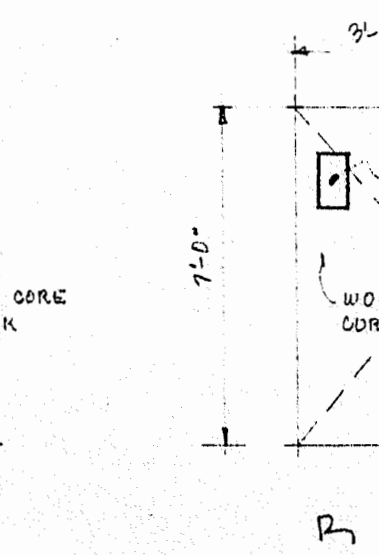
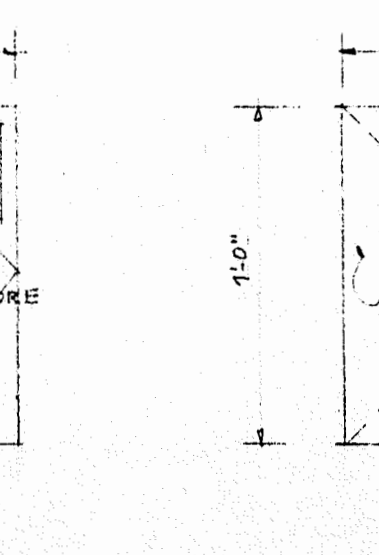
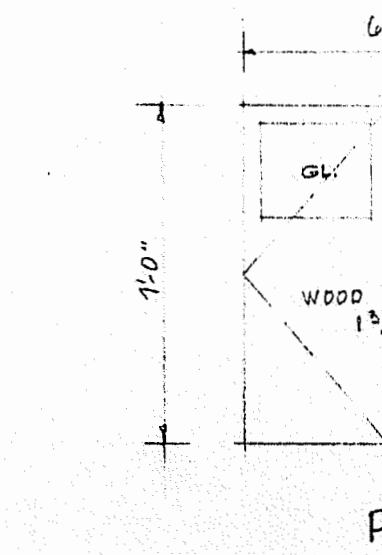
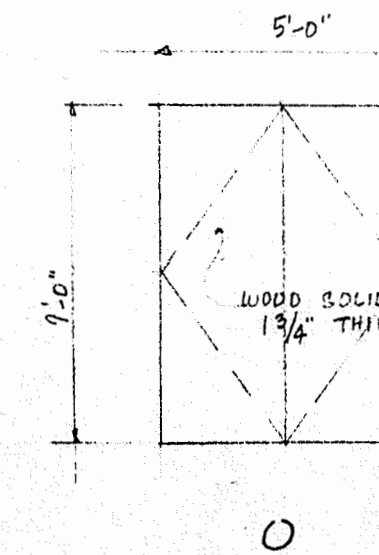
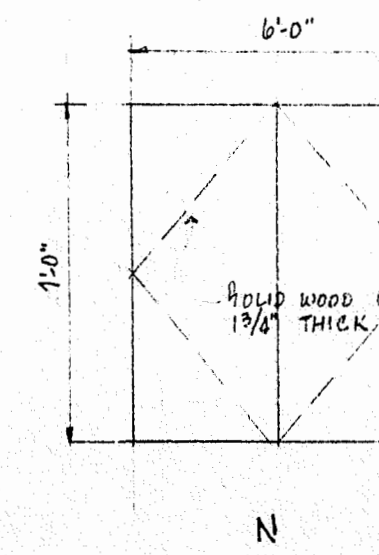
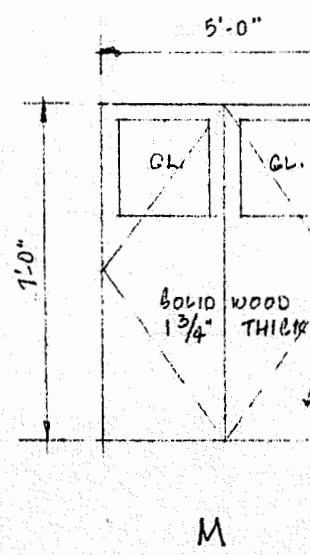
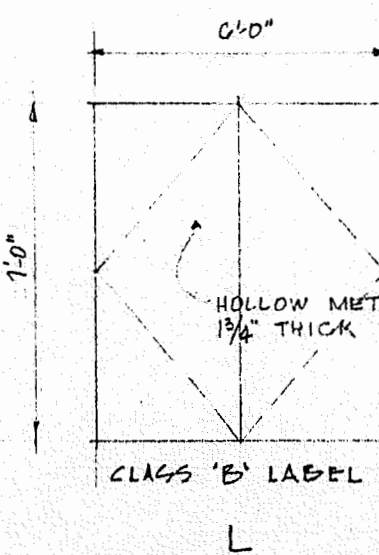
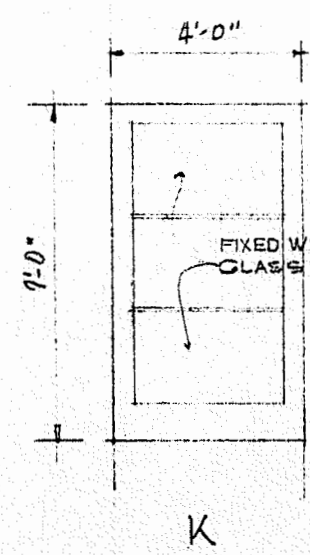
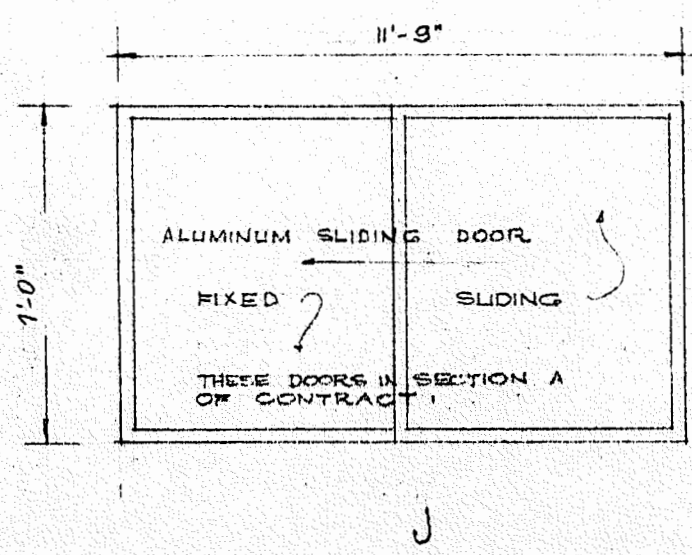
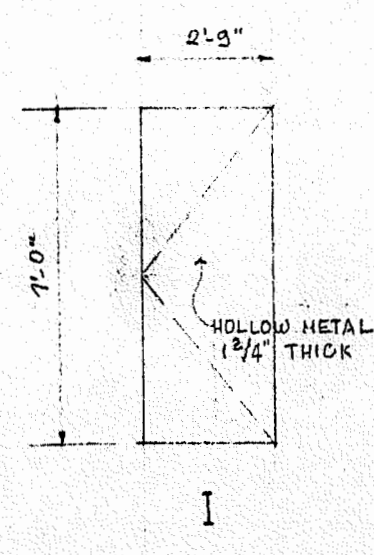
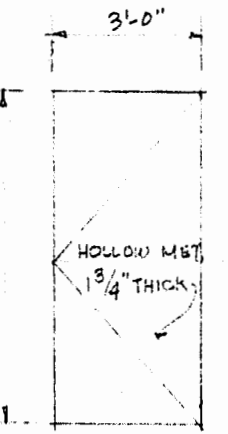
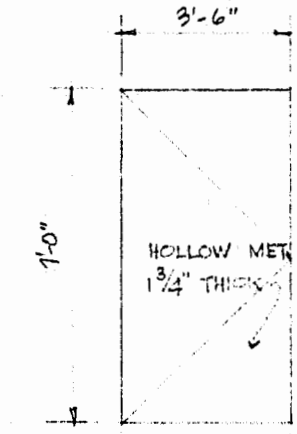
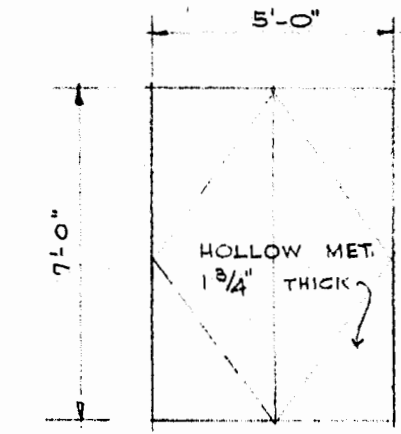
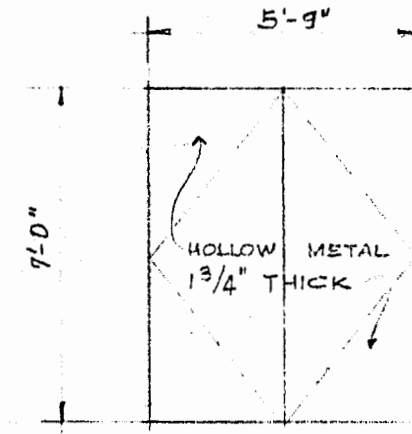
NURSE & HEALTH RMS.  
NOT IN CONTACT



STUDENT ACTIVITY  
NOT IN CONTACT

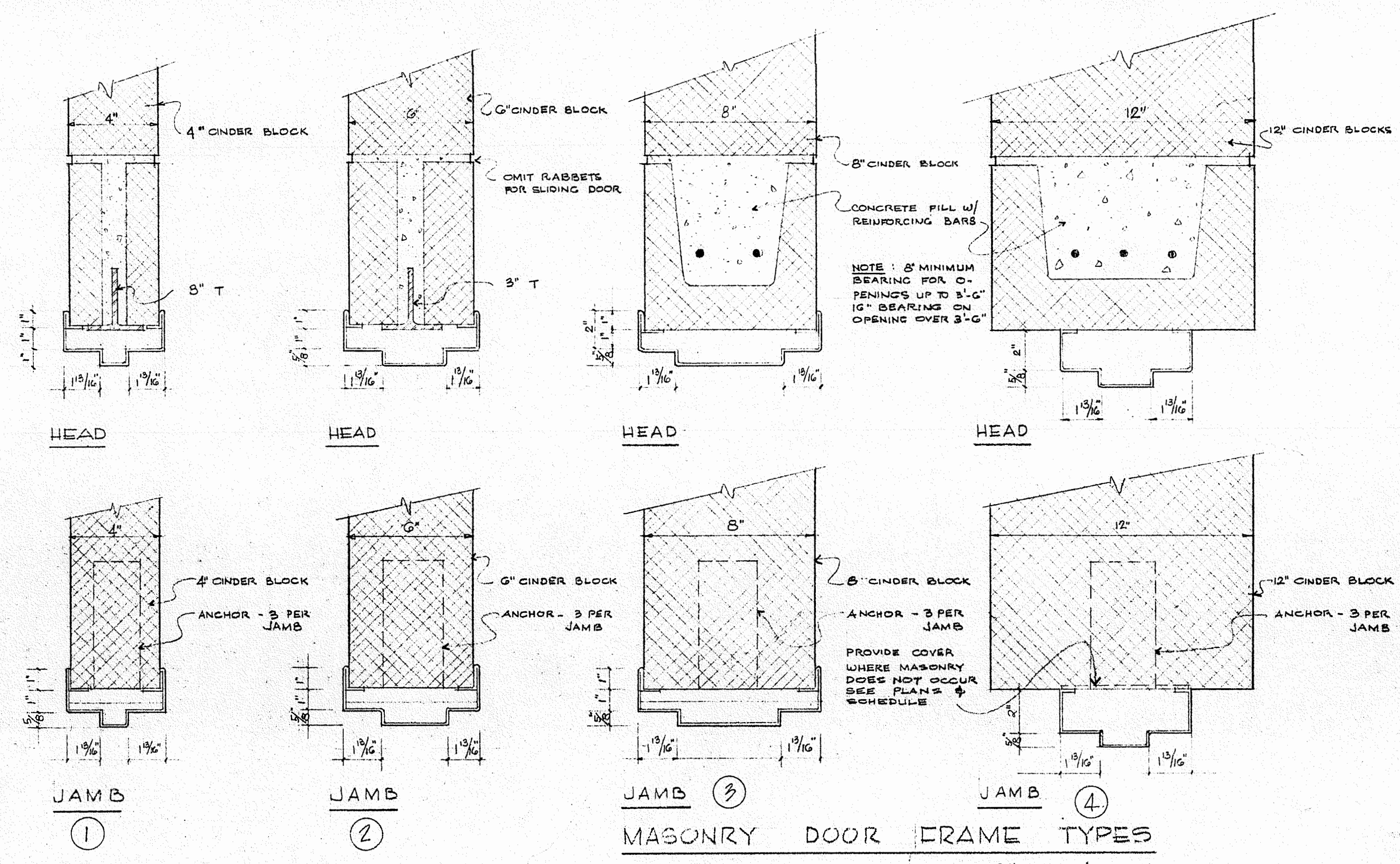


OUTSIDE ENTRANCE TO SHOP

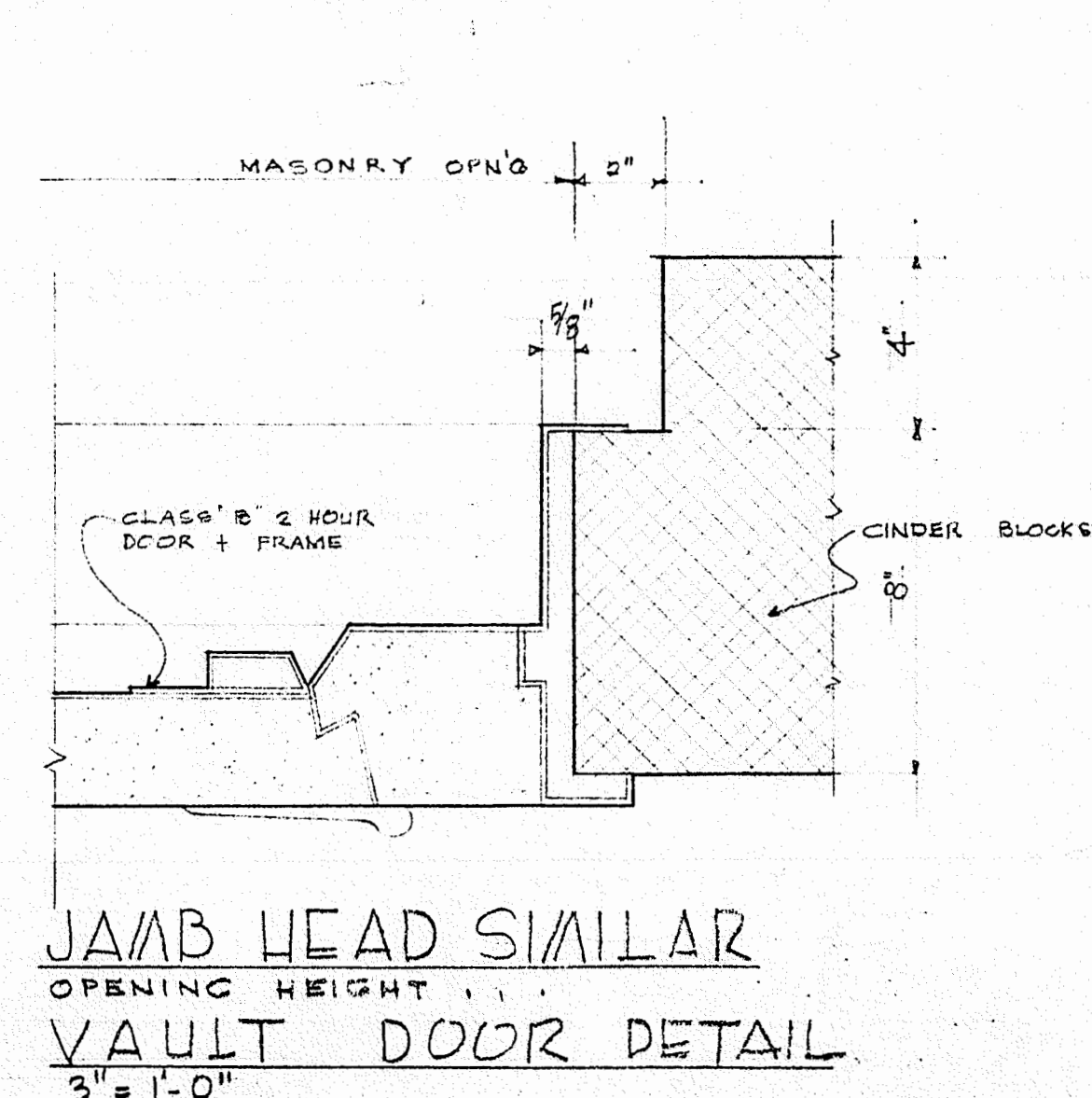


NOTE:  
ALL LOUVERES IN DOORS SHALL BE 20" X 20"  
FOR LOCATION OF LOUVERES REFER TO HEATING AND  
VENTILATION PLANS

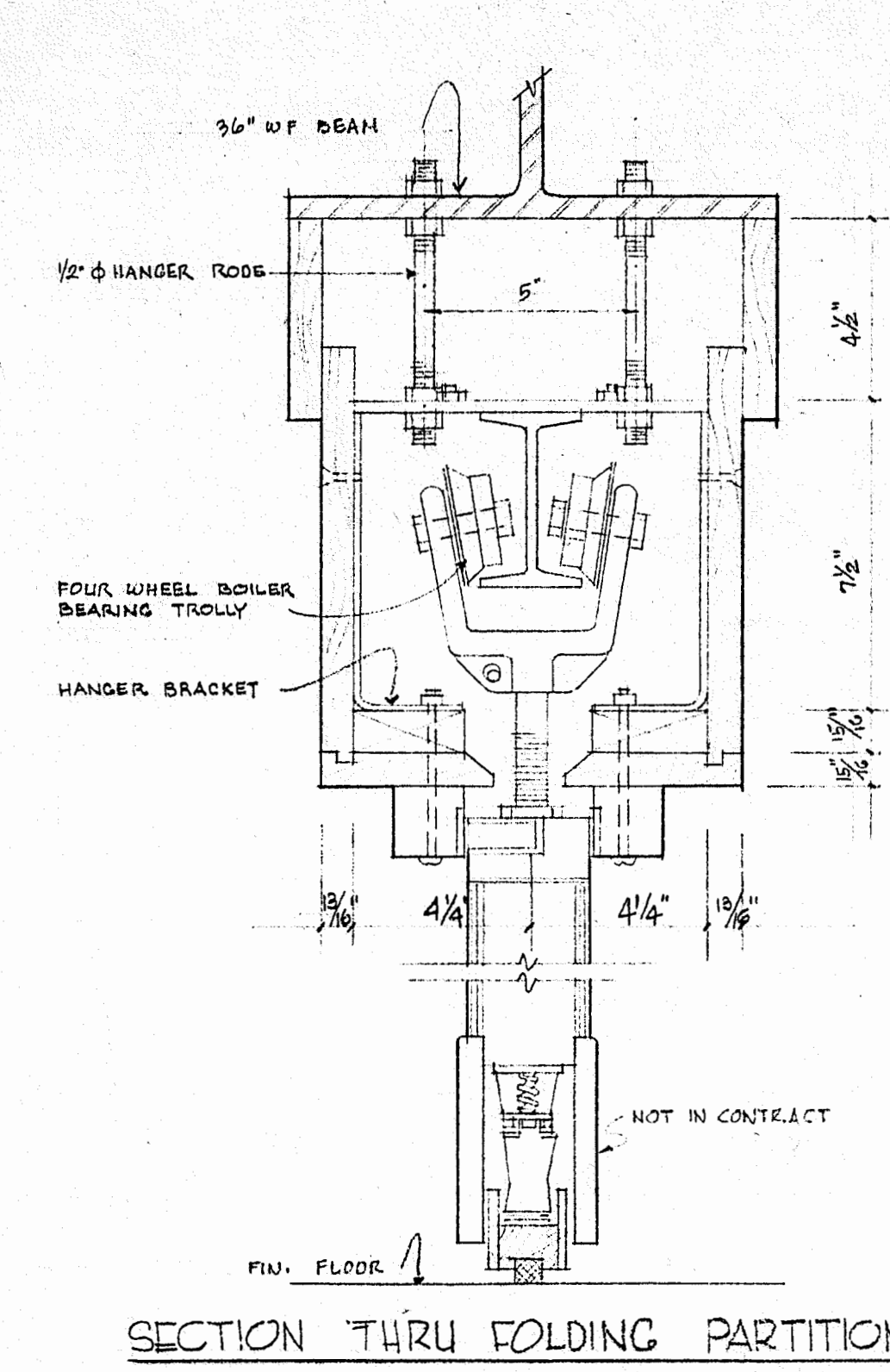
DOOR TYPES & SIZES SCALE: 1/4" = 1'-0"



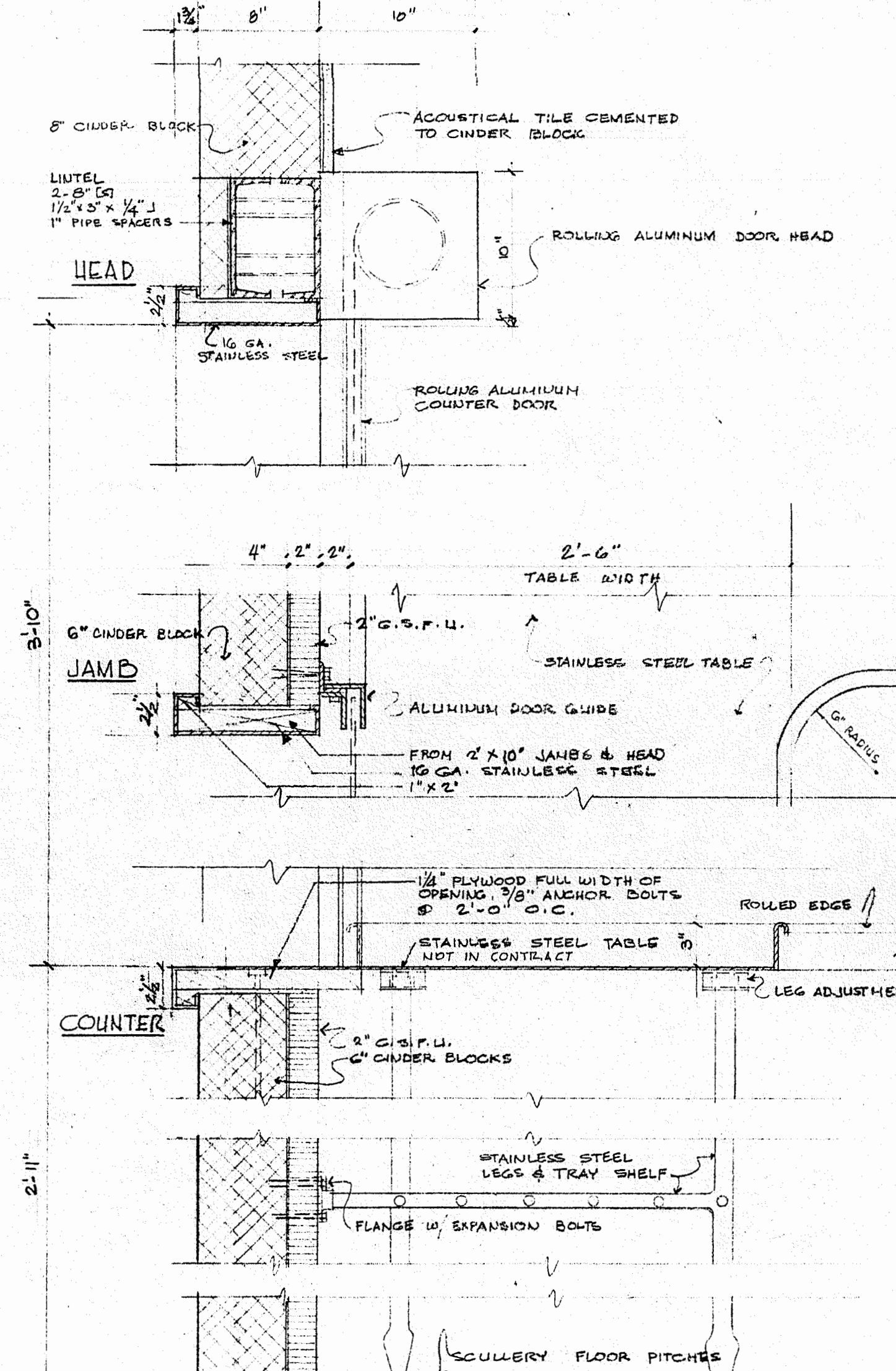
MASONRY DOOR FRAME TYPES  
SCALE: 3" = 1'-0"



JAMB HEAD SIMILAR  
OPENING HEIGHT  
VAULT DOOR DETAIL  
SCALE: 3" = 1'-0"



SECTION THRU FOLDING PARTITION - GYM.  
SCALE: 3" = 1'-0"



SECTION THRU SCULLERY COUNTER  
AT ROLLING DOOR  
SCALE: 1/2" = 1'-0"

DOOR TYPES & FRAME DETAILS

FRAMINGHAM HIGH SCHOOL  
FLAGG DRIVE  
FRAMINGHAM, MASSACHUSETTS

SAMUEL GLASER ASSOCIATES  
ARCHITECTS  
137 FEDERAL STREET  
FRAMINGHAM, MASSACHUSETTS

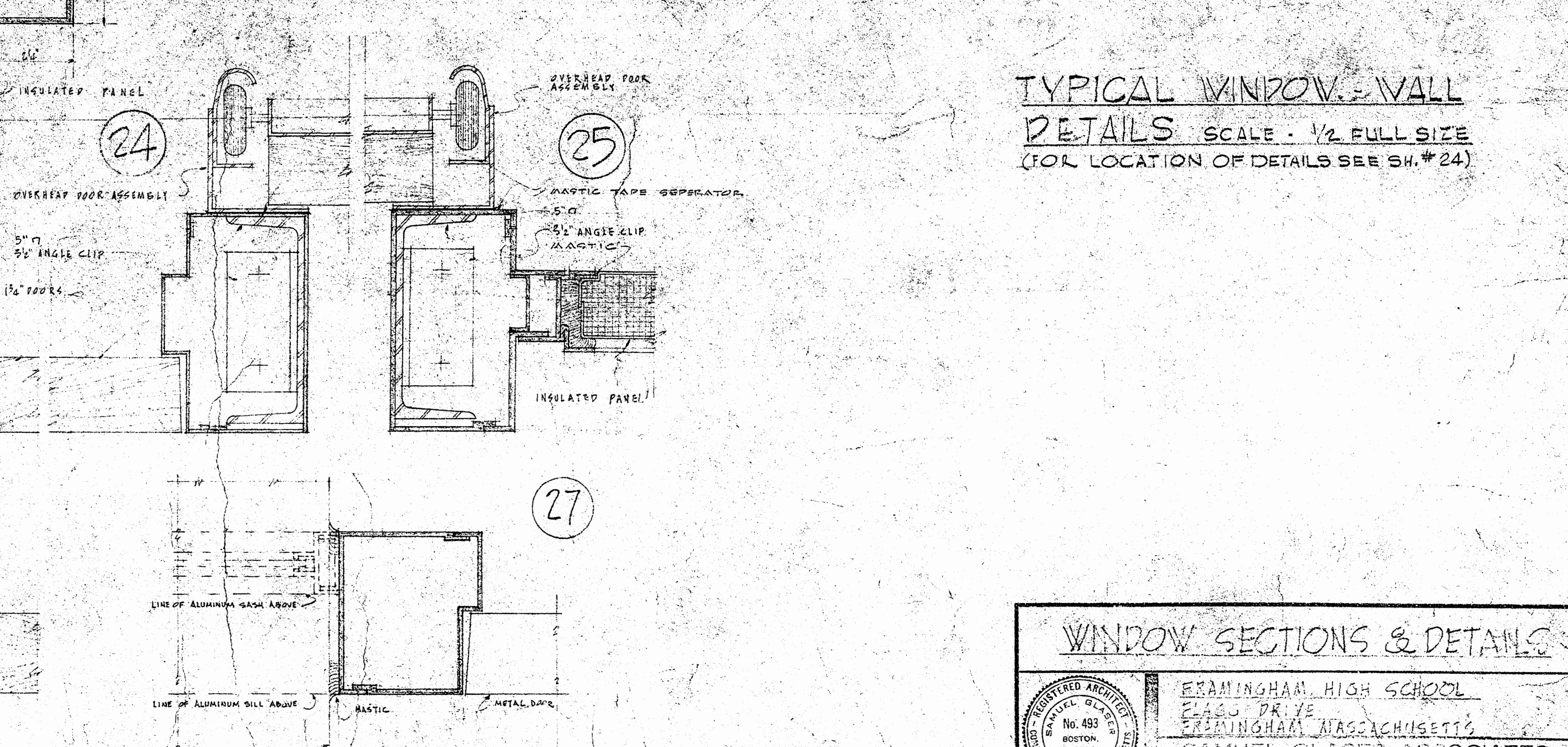
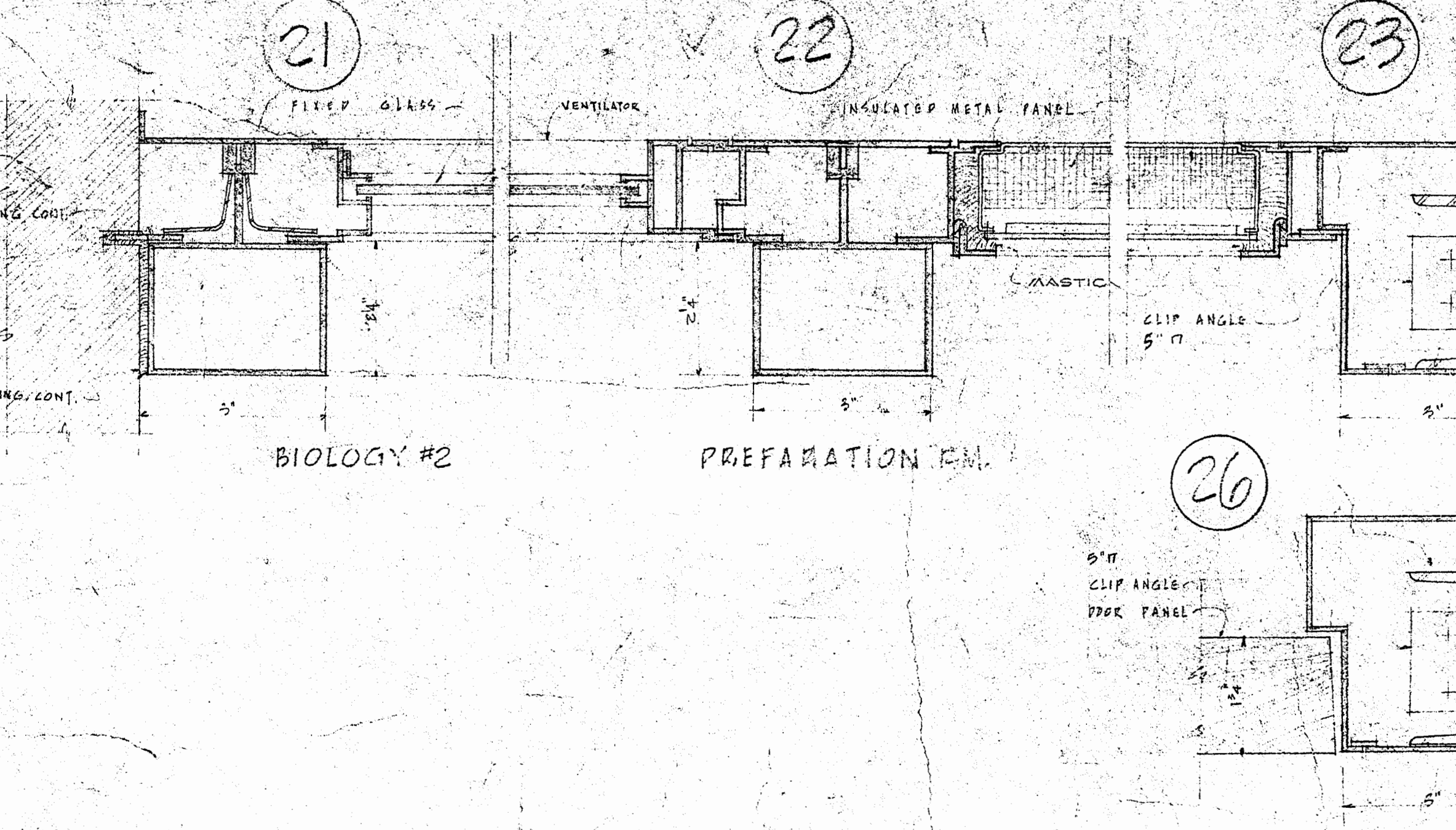
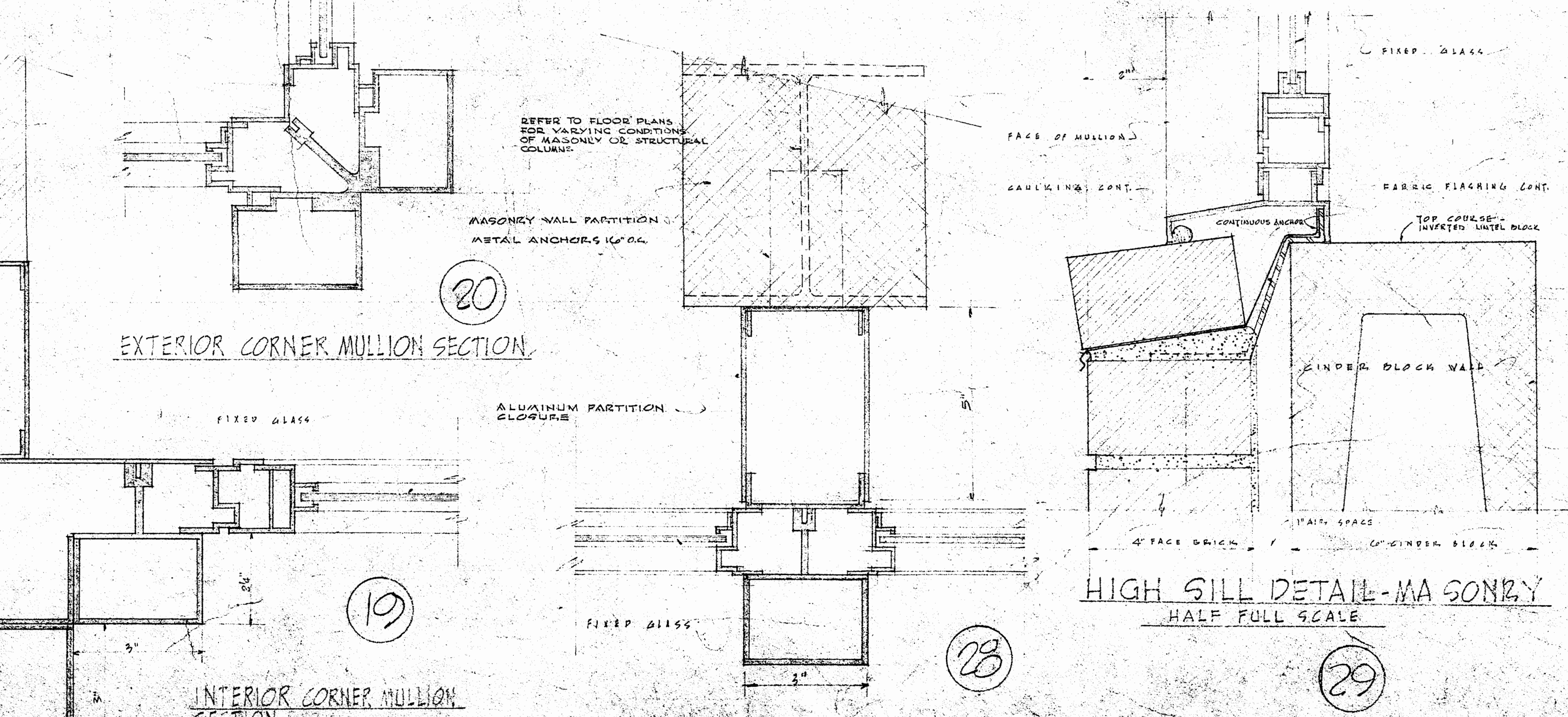
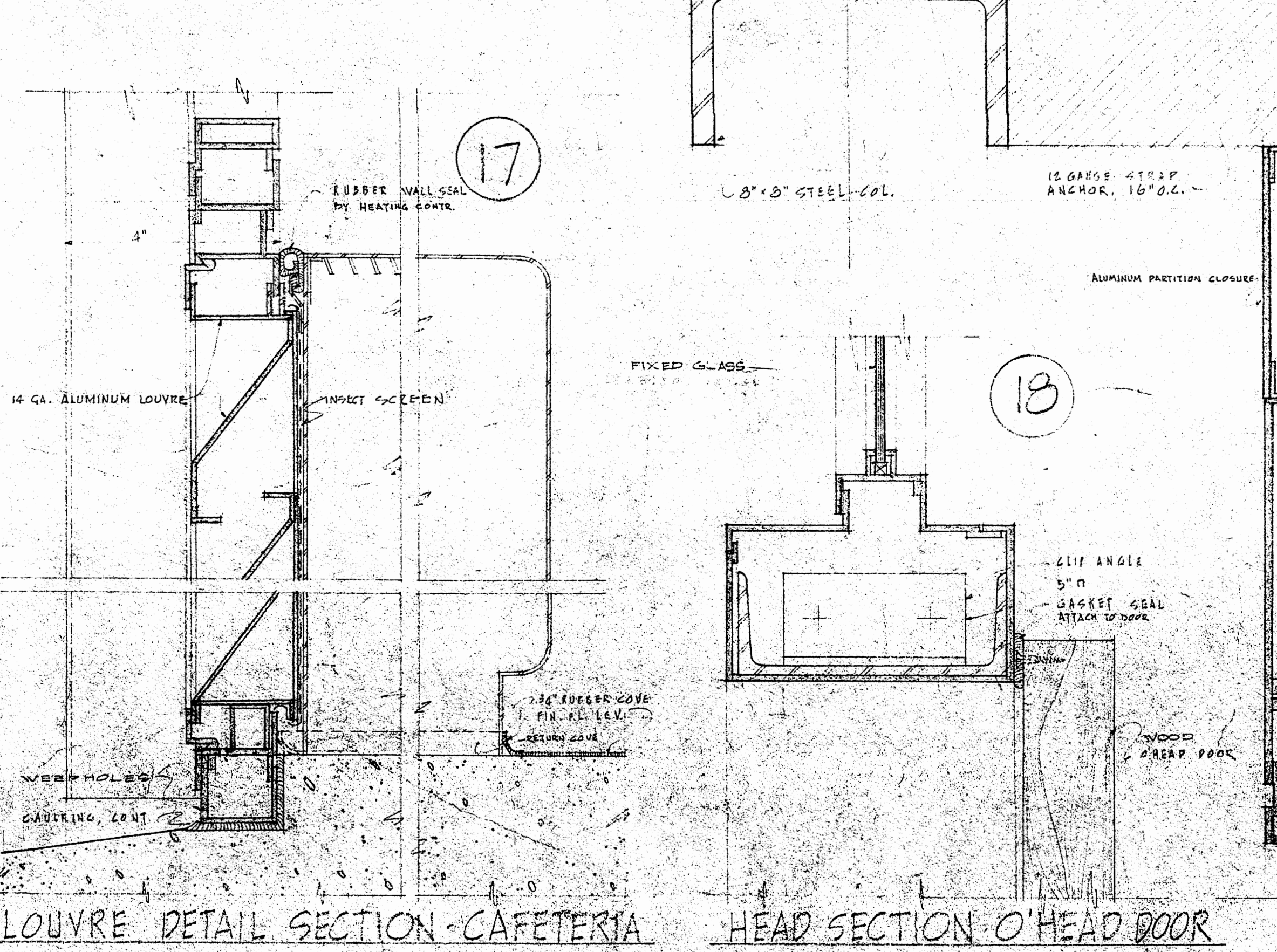
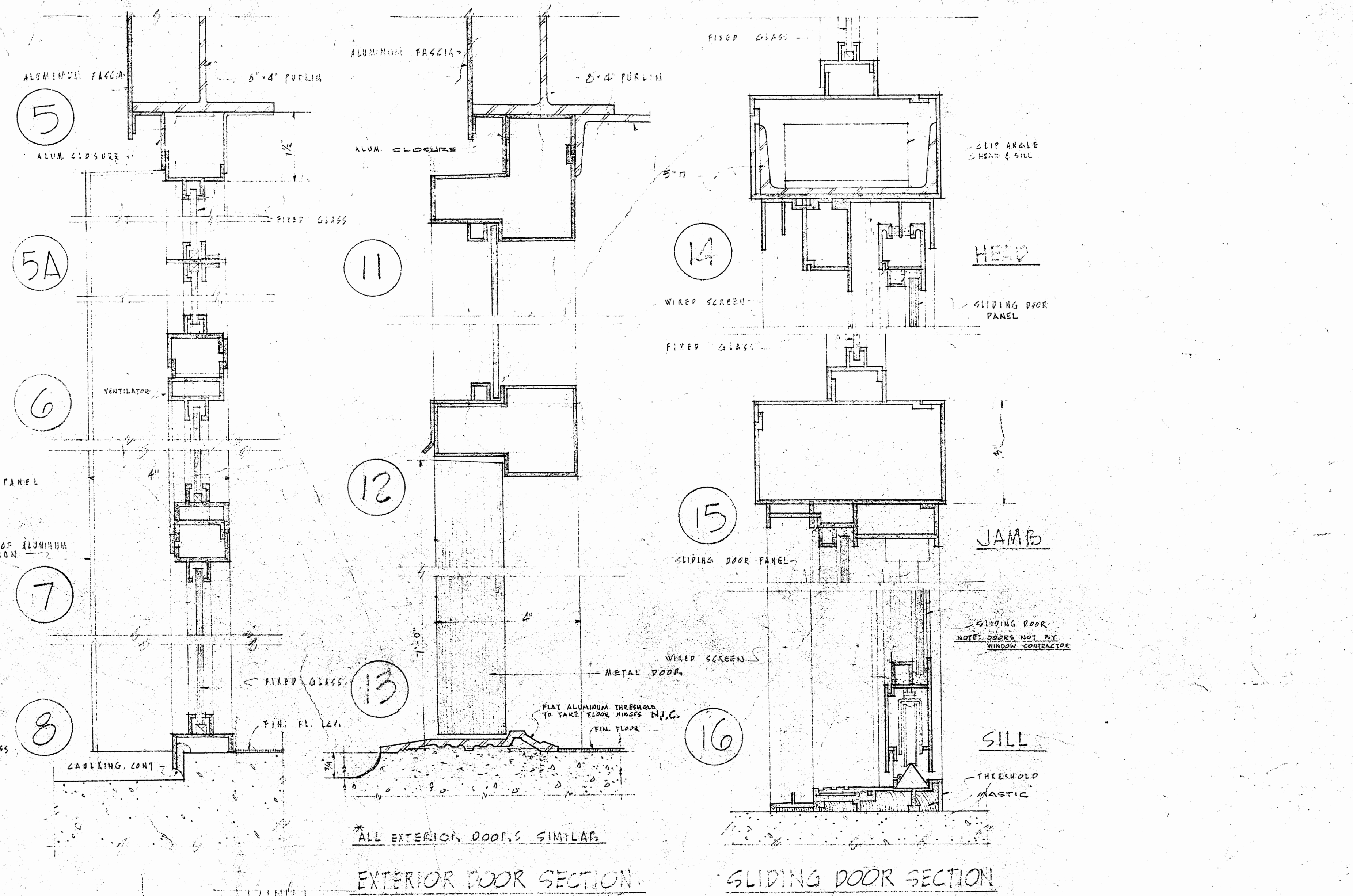
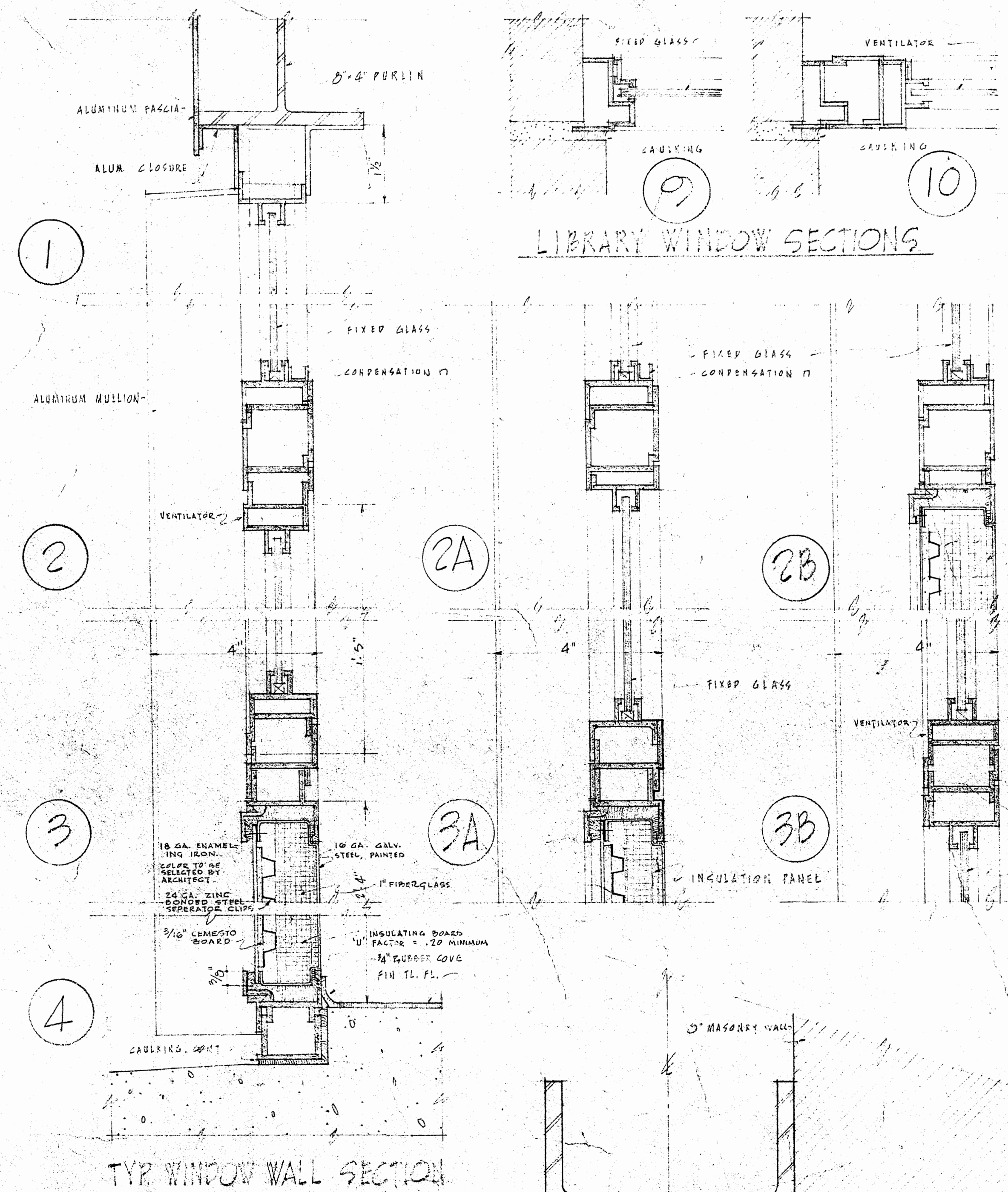
DRAWING NO. 5608

DRAWN BY L.L.O. DATE: MAY 23, 1956 JOB NO. 5608

CHECKED BY T.J.S. APPROVED BY

A-1S





**WINDOW SECTIONS & DETAILS**

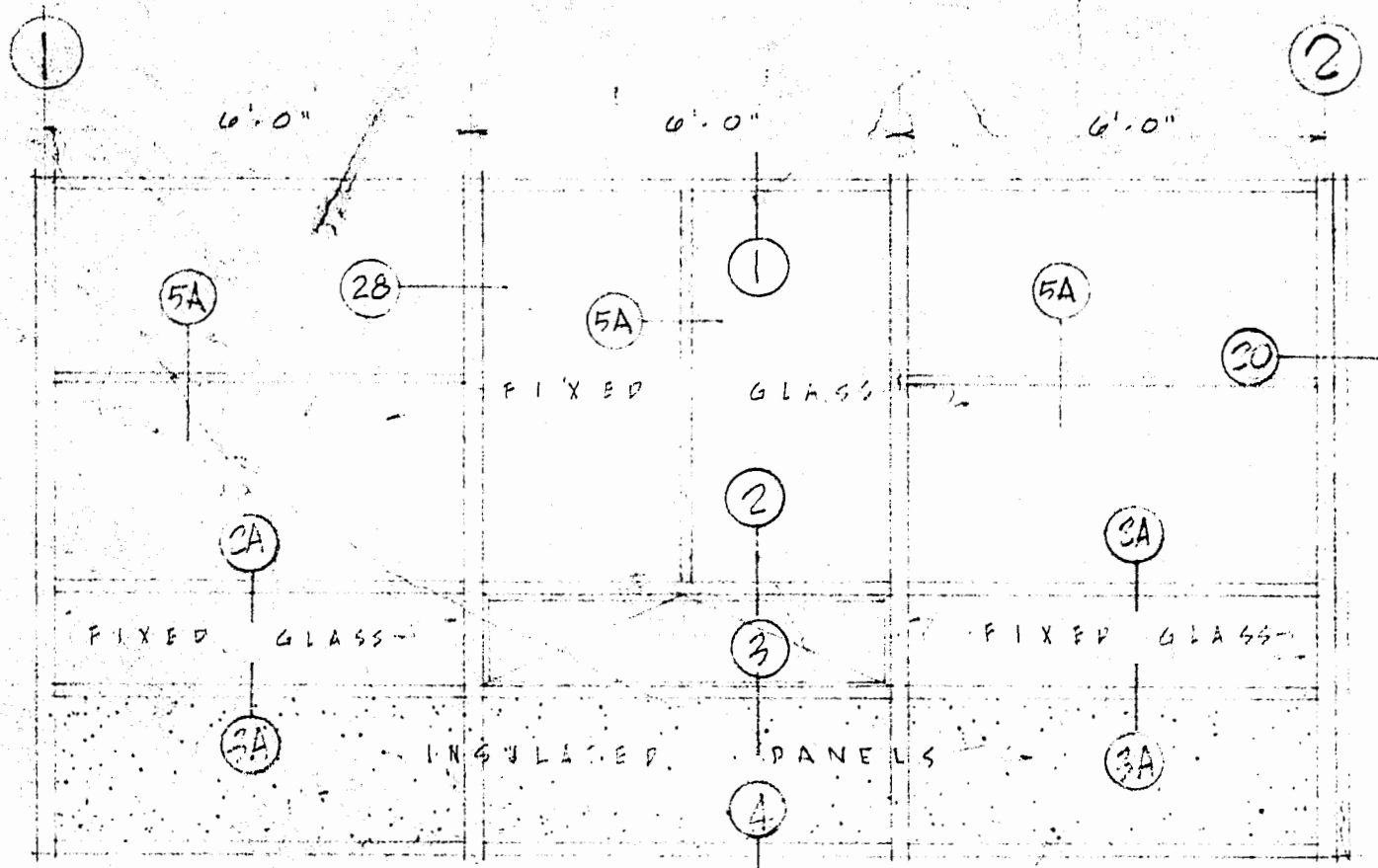
SEALING DIVISION  
No. 493  
BOSTON, MASS.

EXAMINGHAM HIGH SCHOOL  
2500 DRIVE  
EXAMINGHAM MASSACHUSETTS  
SAMUEL GLASER ASSOCIATES  
ARCHITECTS - ENGINEERS  
105 NEWBURY STREET - BOSTON - MASSACHUSETTS

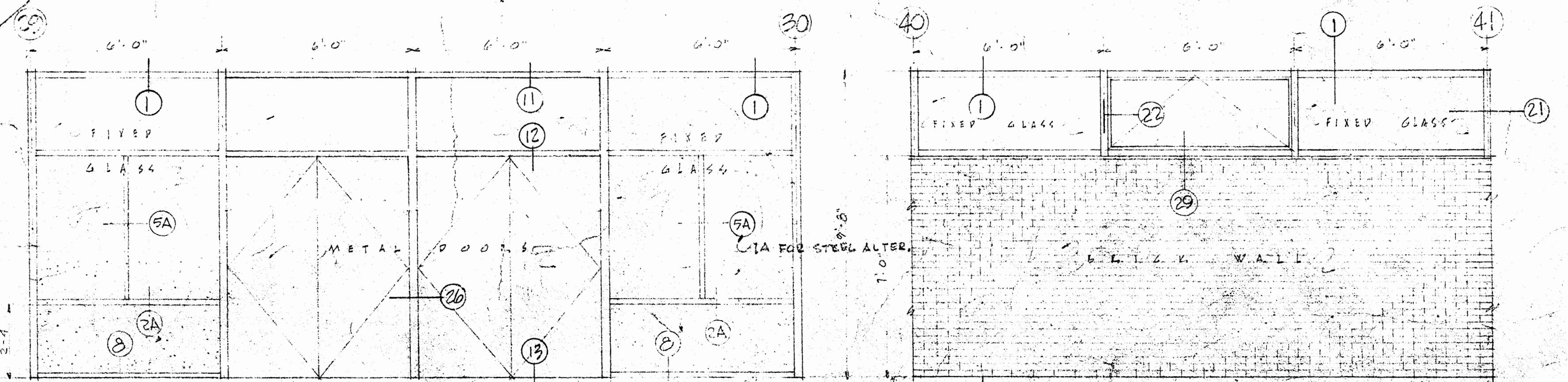
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DRAWN BY A.Z. DATE MAY 25 '56 JOB No. 5600  
CHECKED BY T.J.C. APPROVED BY

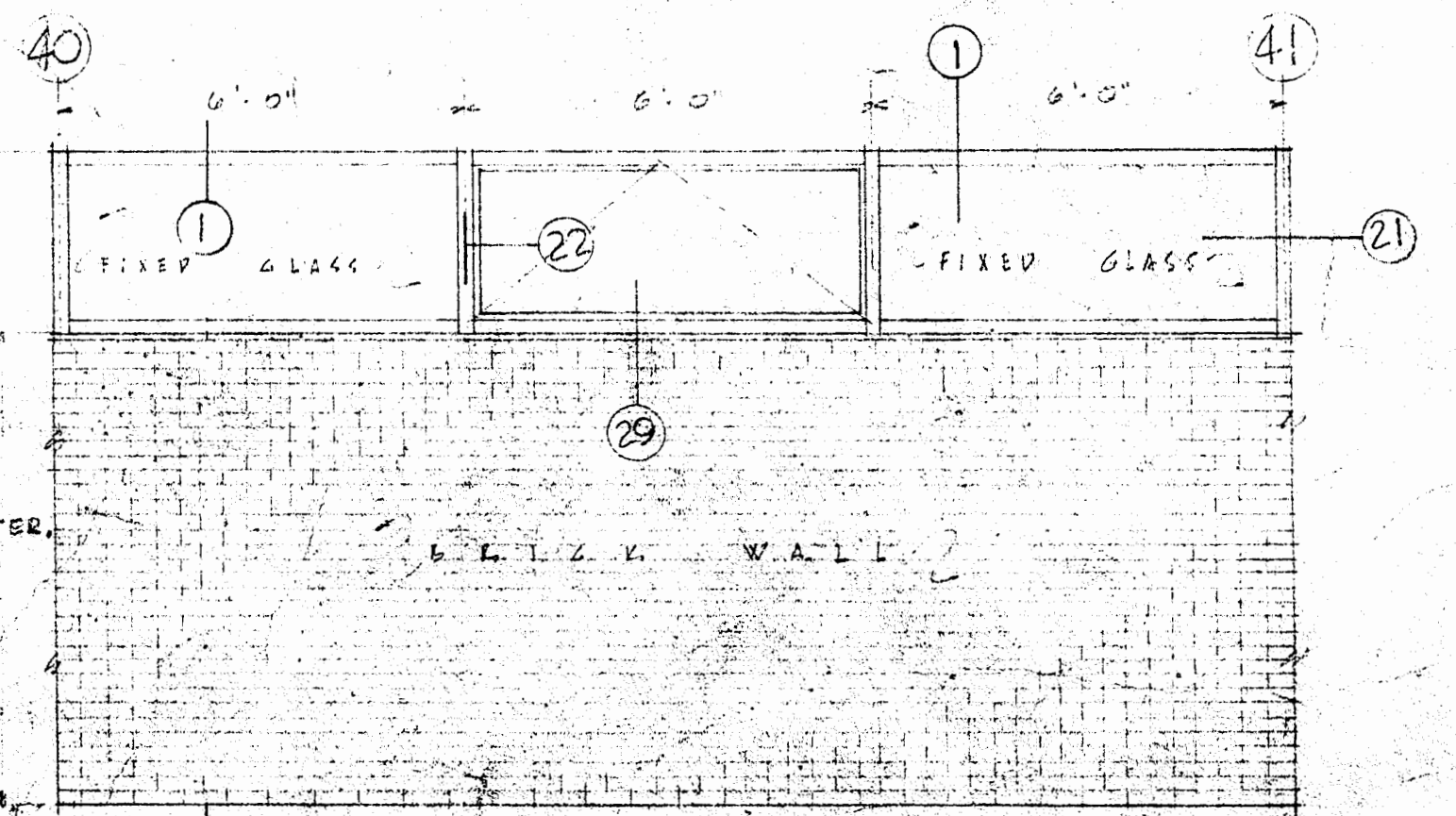




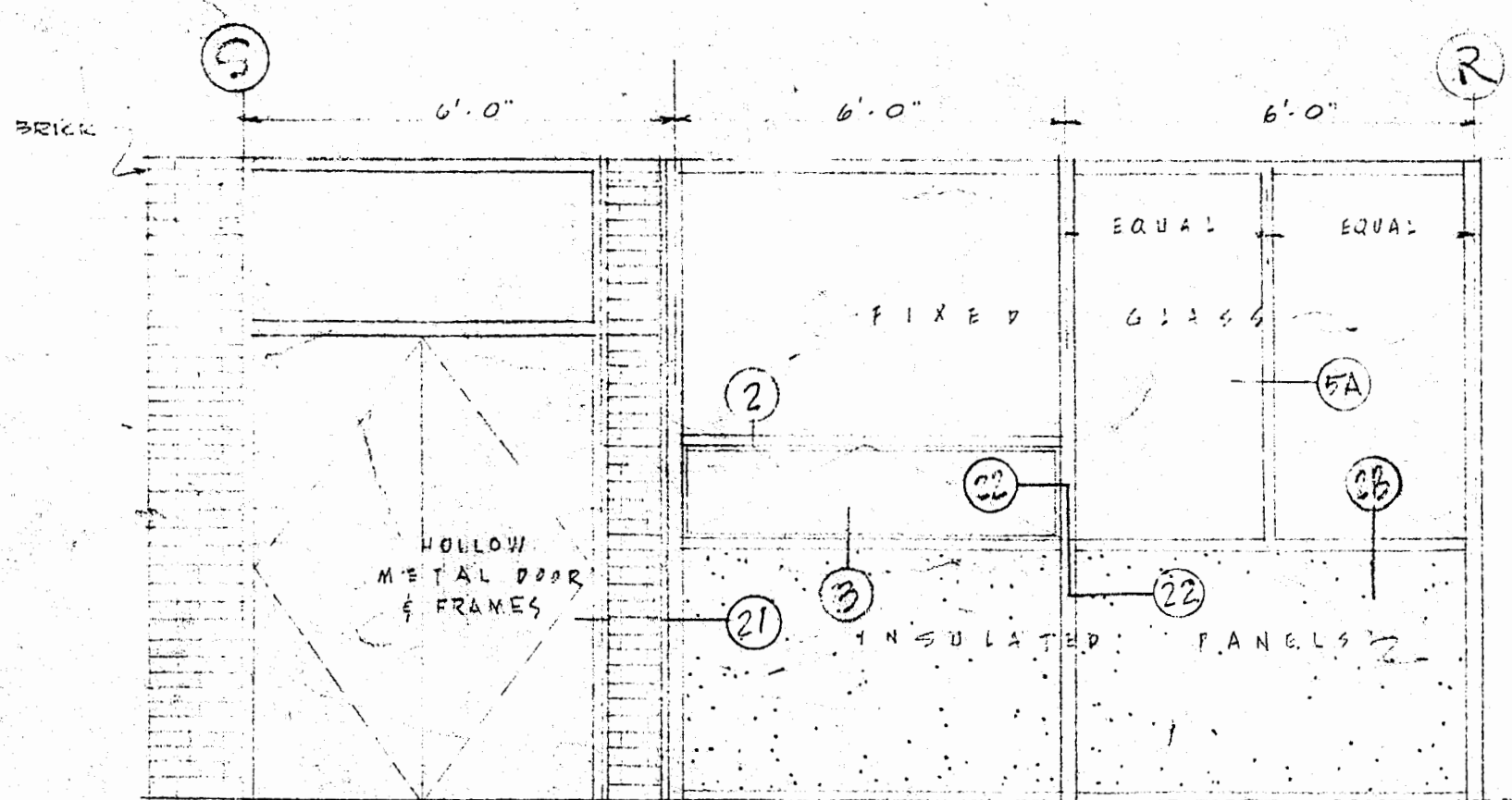
TYPICAL LOW SILL CLASS ROOM WINDOW WALL



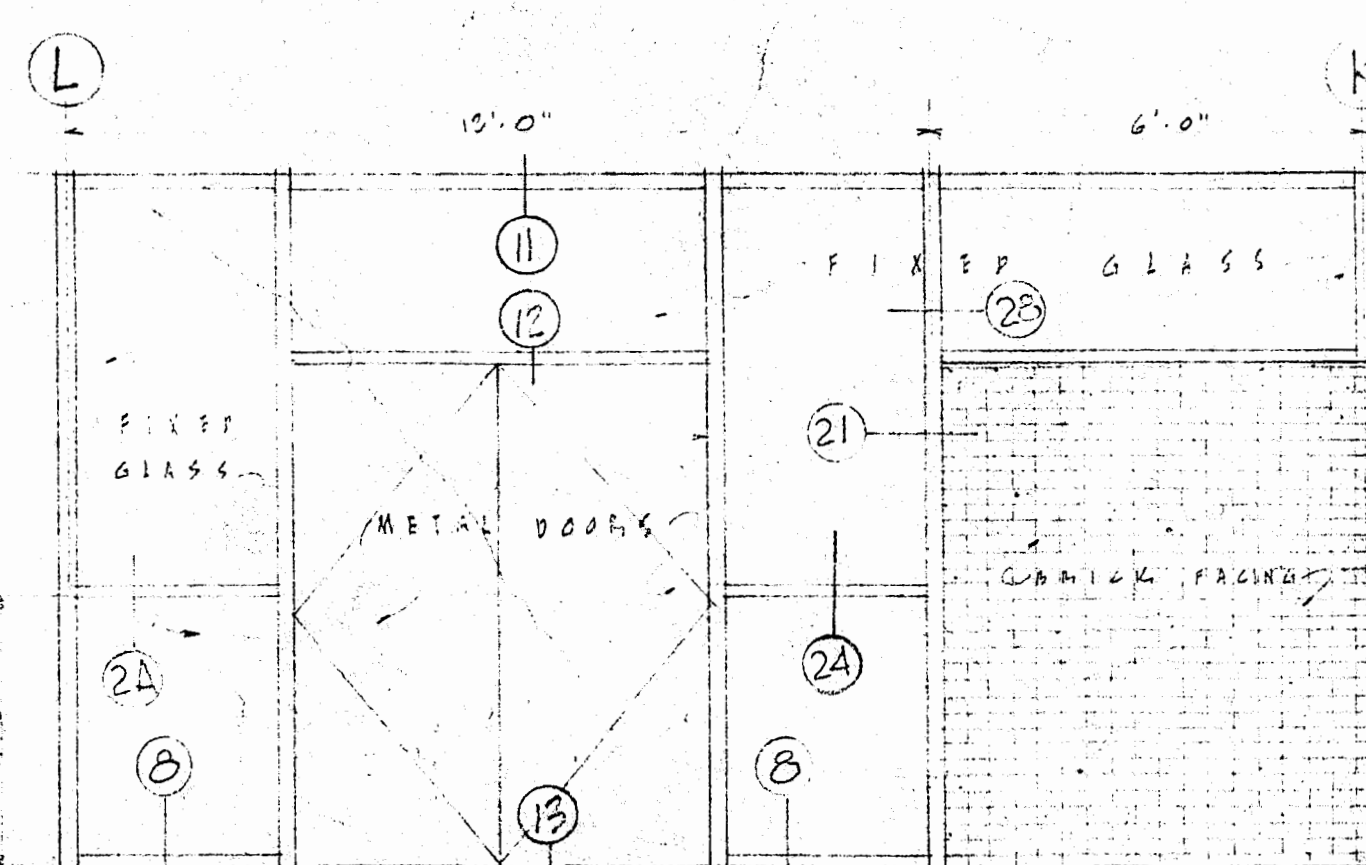
SOUTH ELEVATION - ENTRANCE TO CORRIDOR



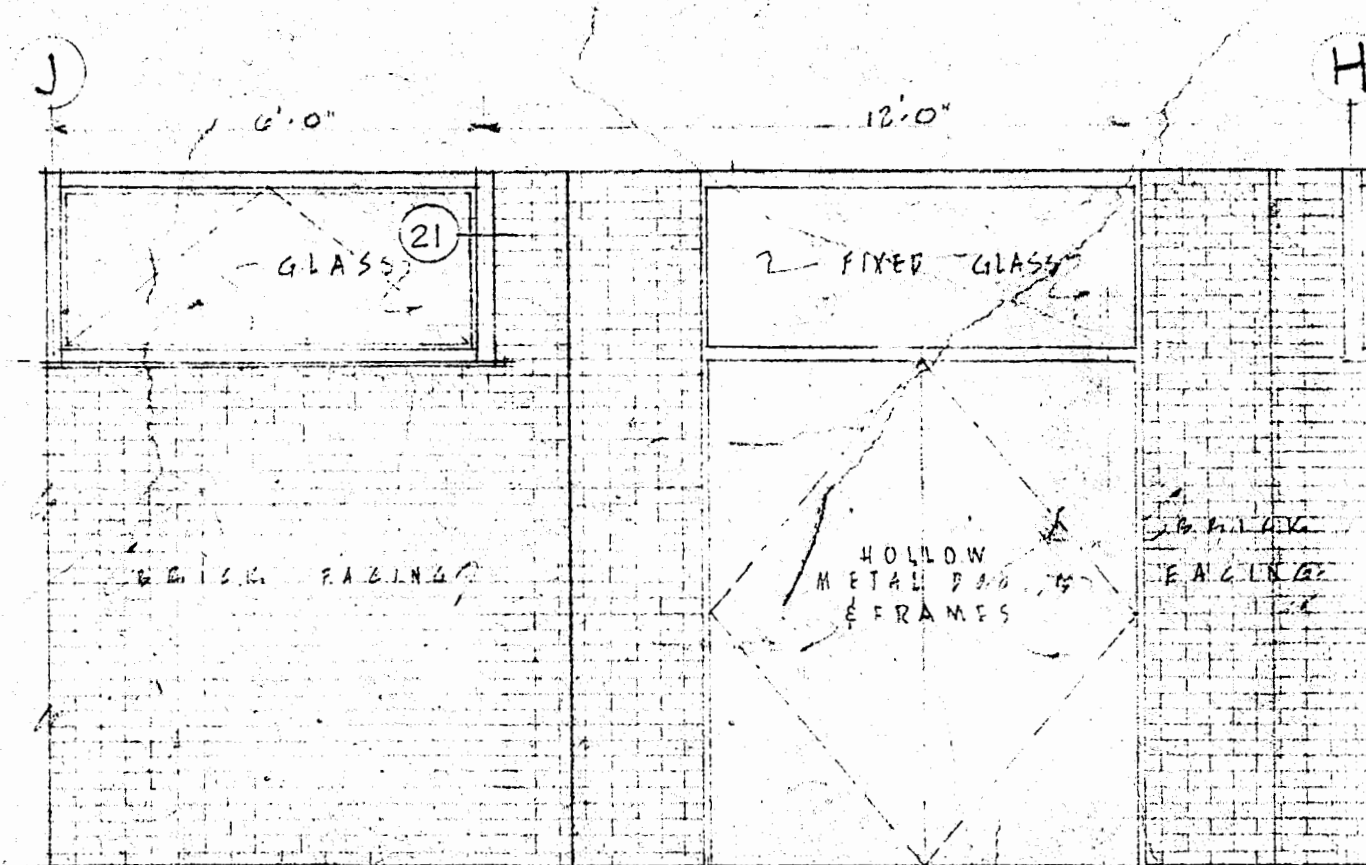
TYP. CLEARSTORY WINDOW WALL



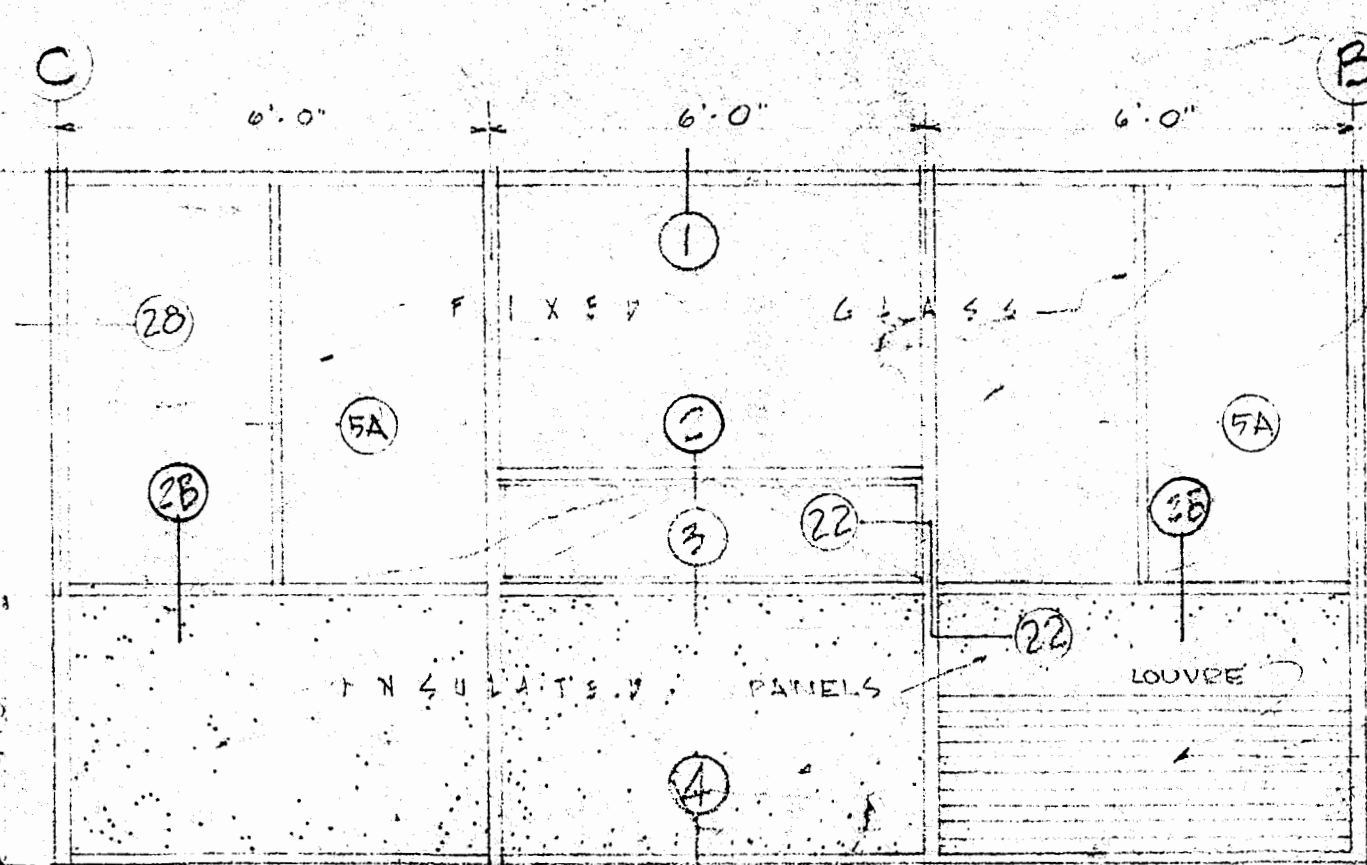
EAST ELEVATION - LOADING PLATFORM, ETC.



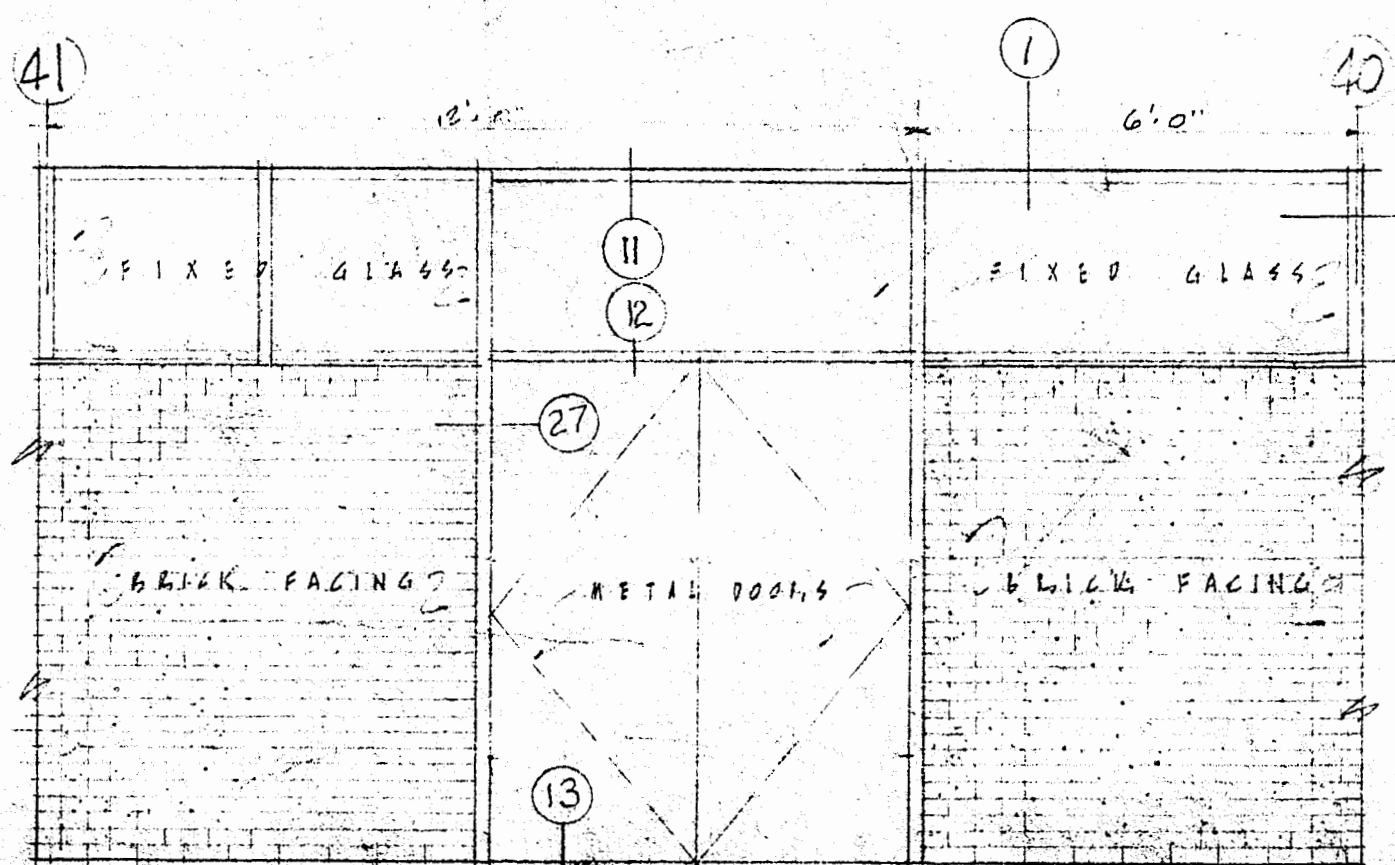
EAST ELEVATION - CORRIDOR



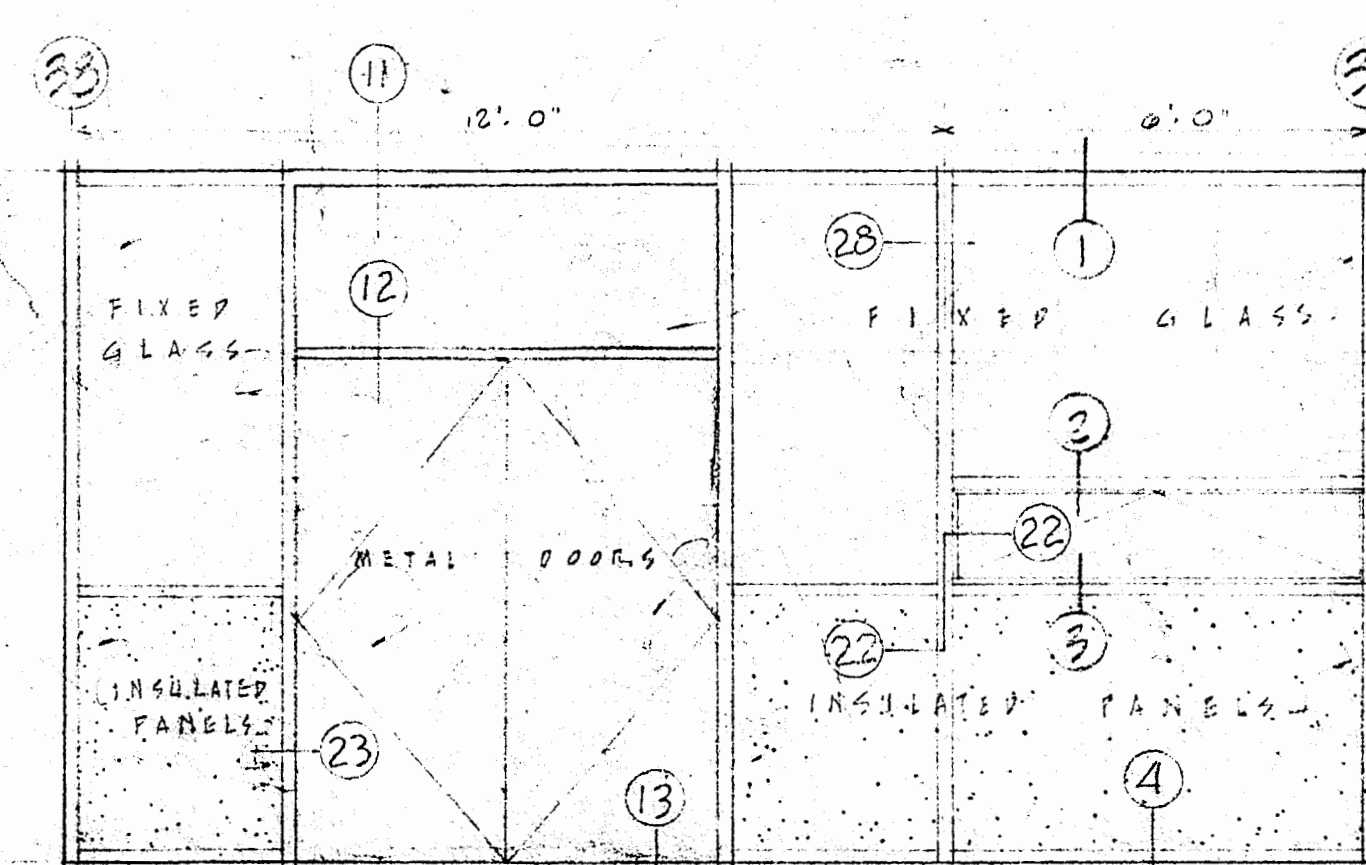
EAST ELEVATION - VESTIBULE



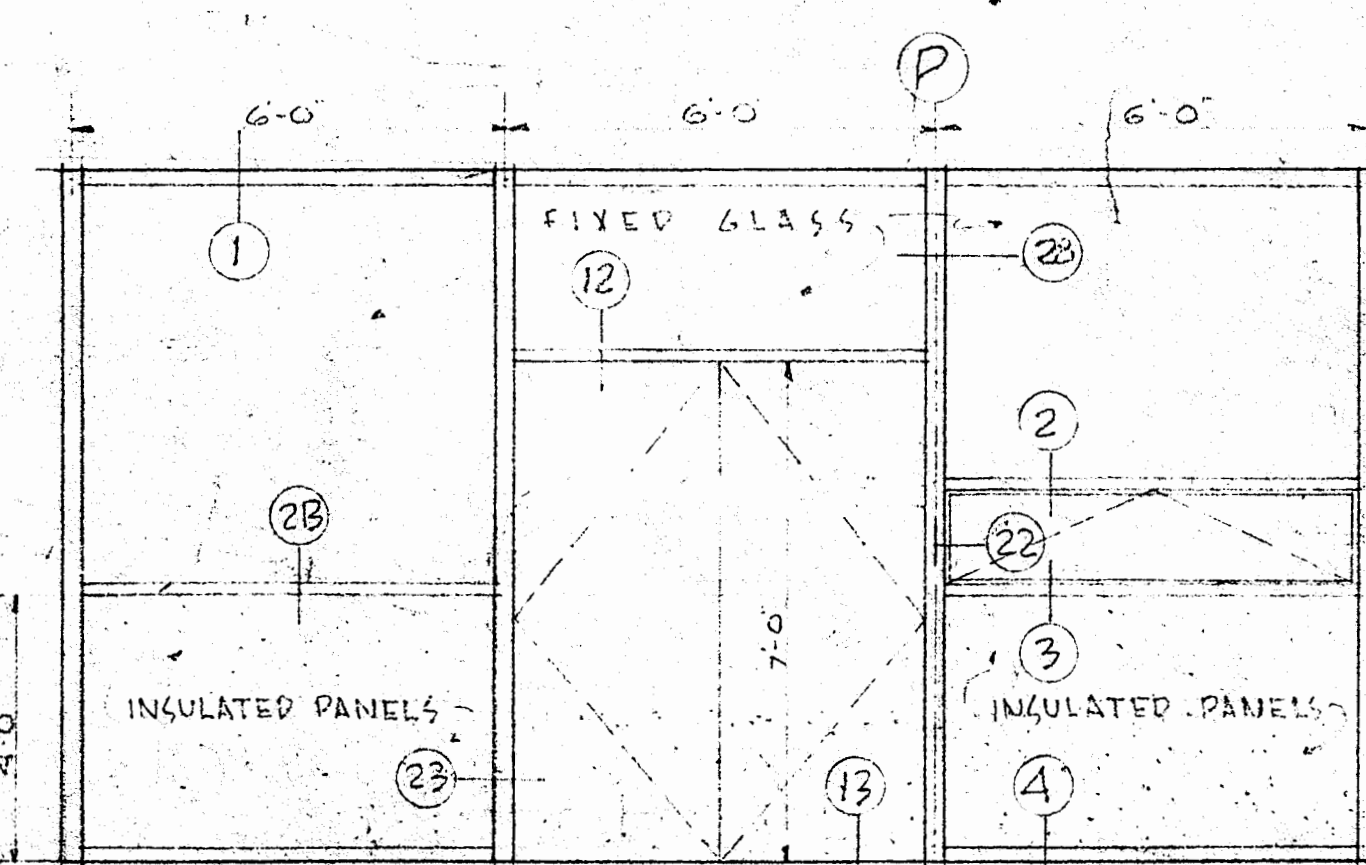
TYPICAL HIGH SILL WINDOW WALL



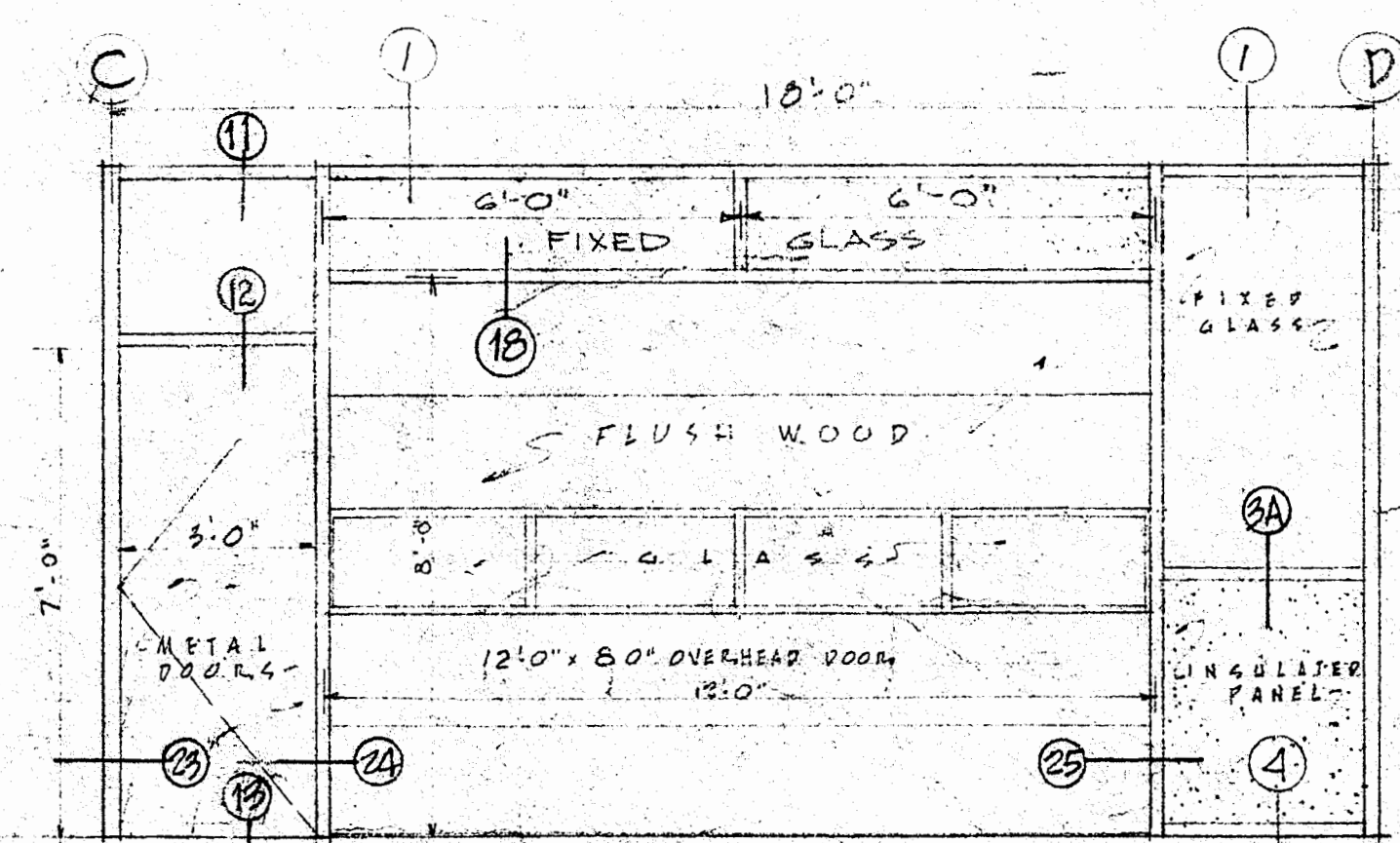
NORTH ELEVATION - CORRIDOR



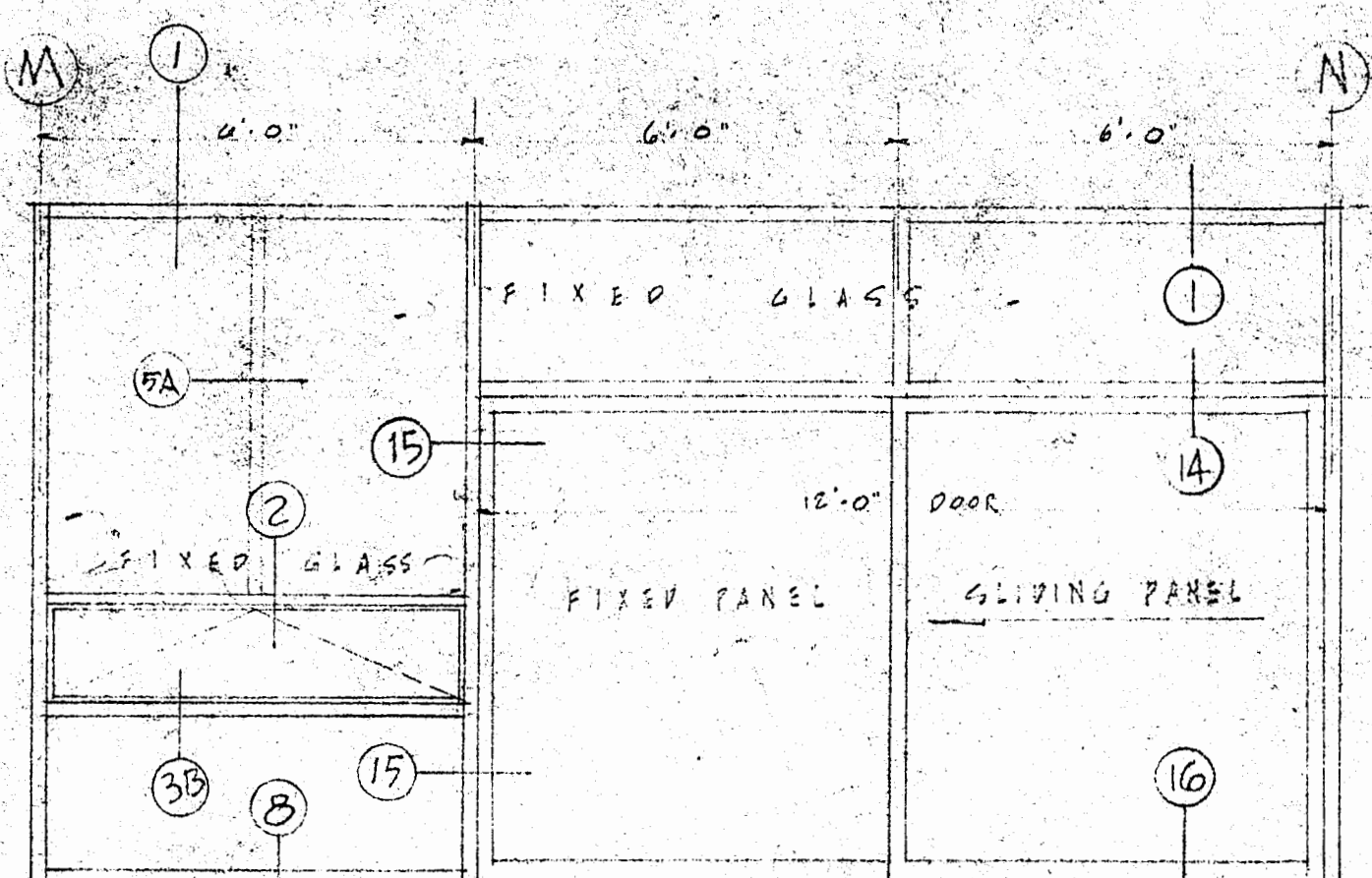
NORTH ELEVATION



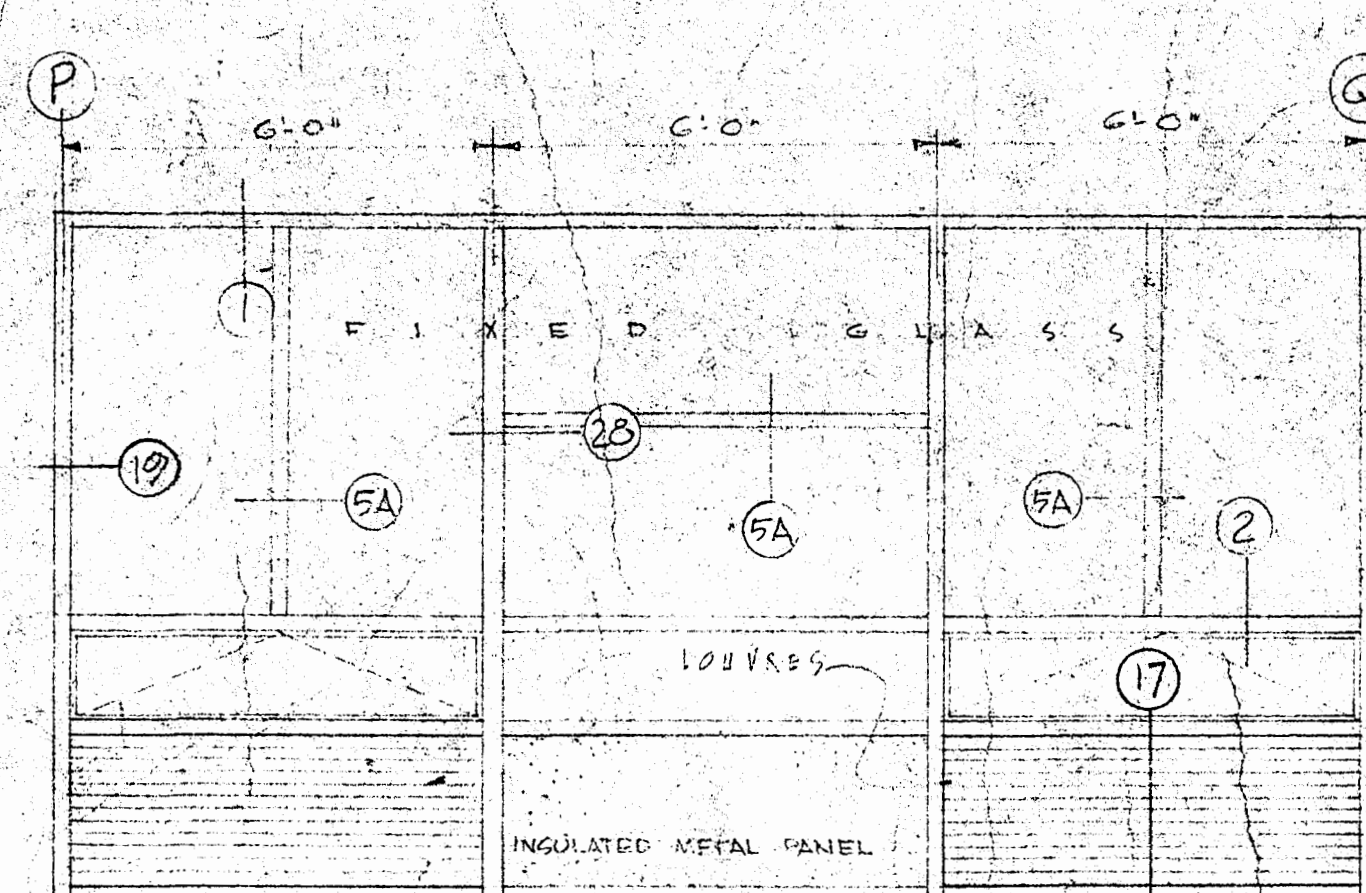
WEST ELEVATION - SHOPS



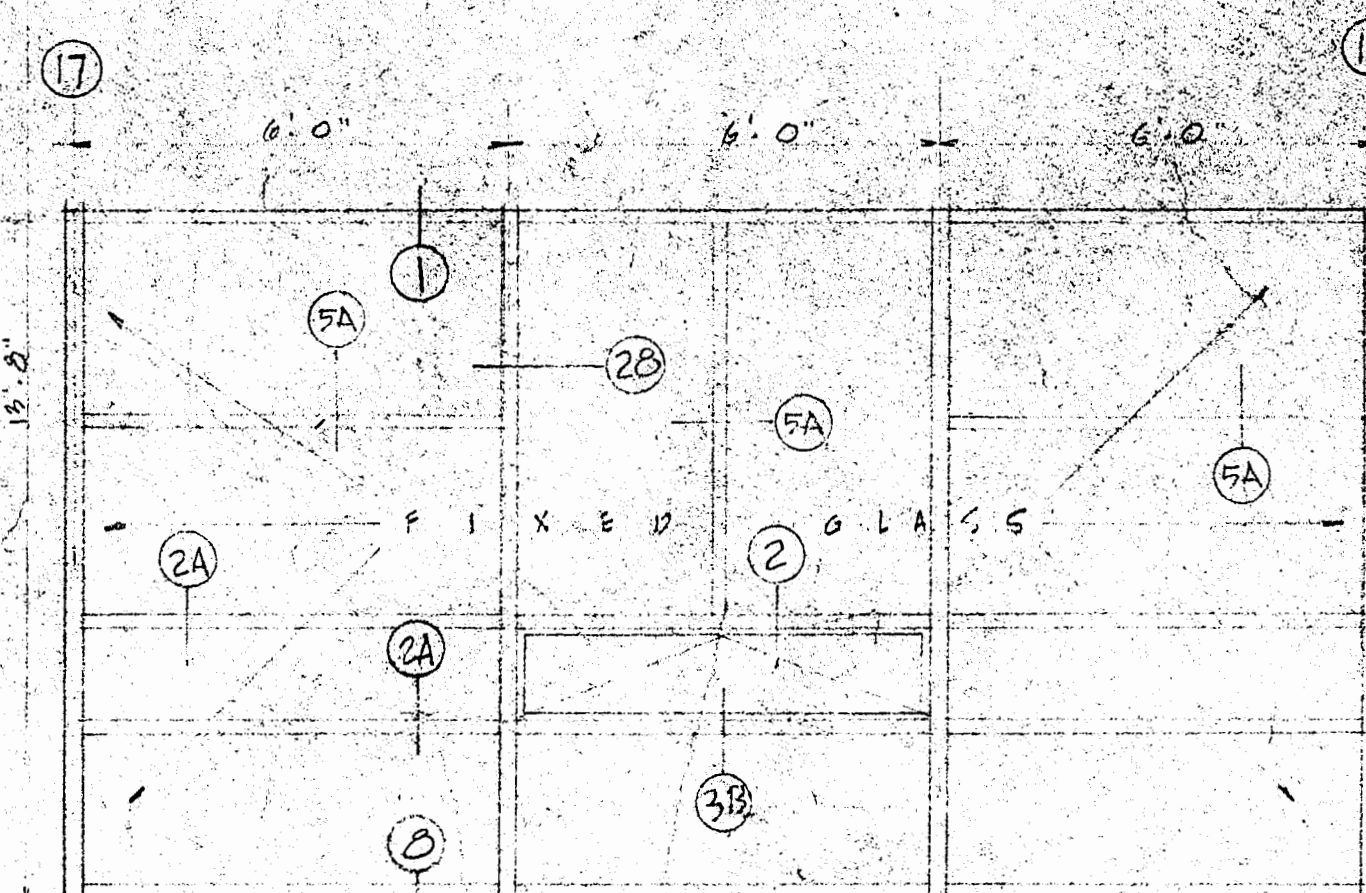
WEST ELEVATION - SHOPS (H-D, P-Q)



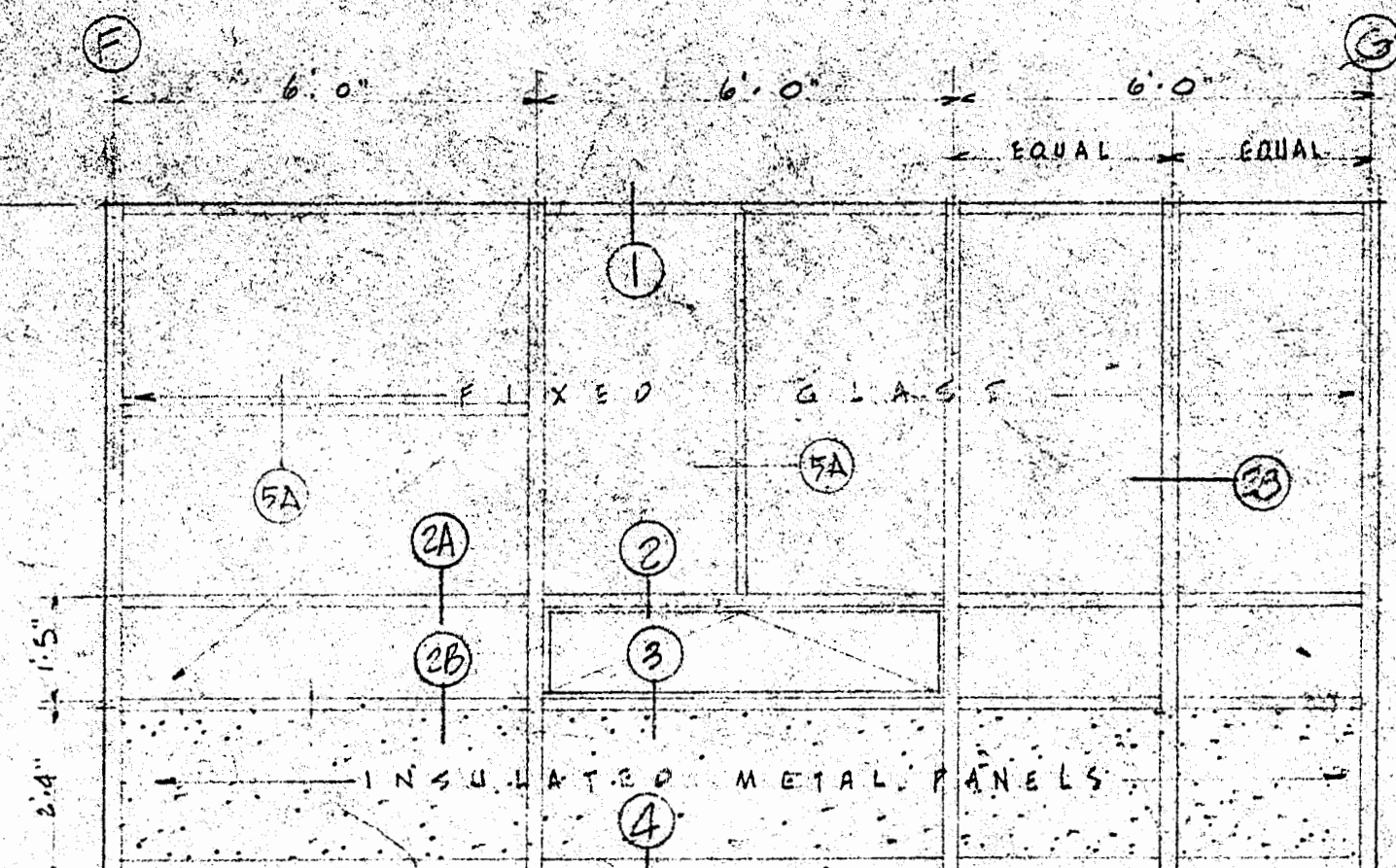
SLIDING DOORS - COURTS



CAFETERIA WINDOW WALL WITH LOUVRES



TYP. CORRIDOR WINDOW WALL - SMALL COURT



TYP. UNIT WITH INTERMEDIATE MULLION AT PARTITION

TYPICAL WINDOW ELEVATIONS

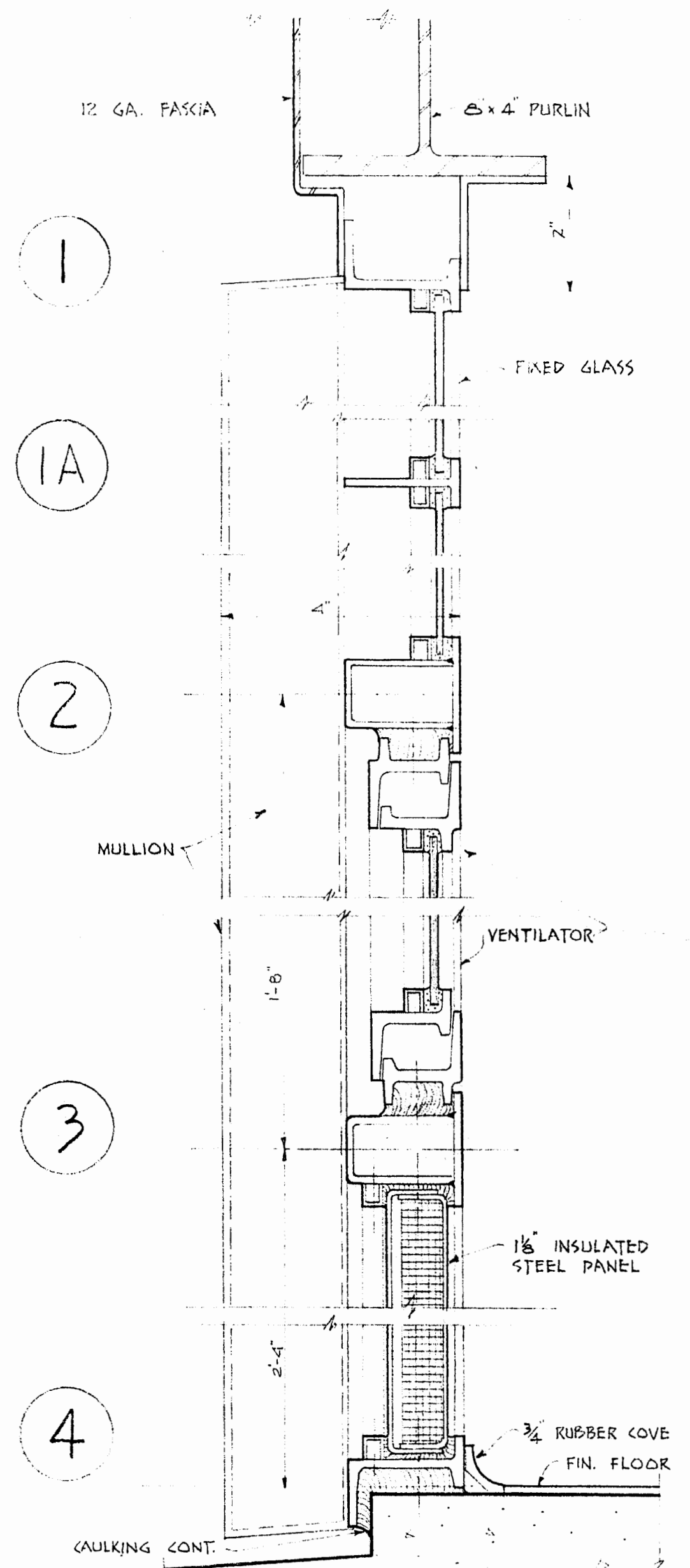
SCALE: 3/8" = 1'-0"

(SEE DETAILS SHEET A-23)

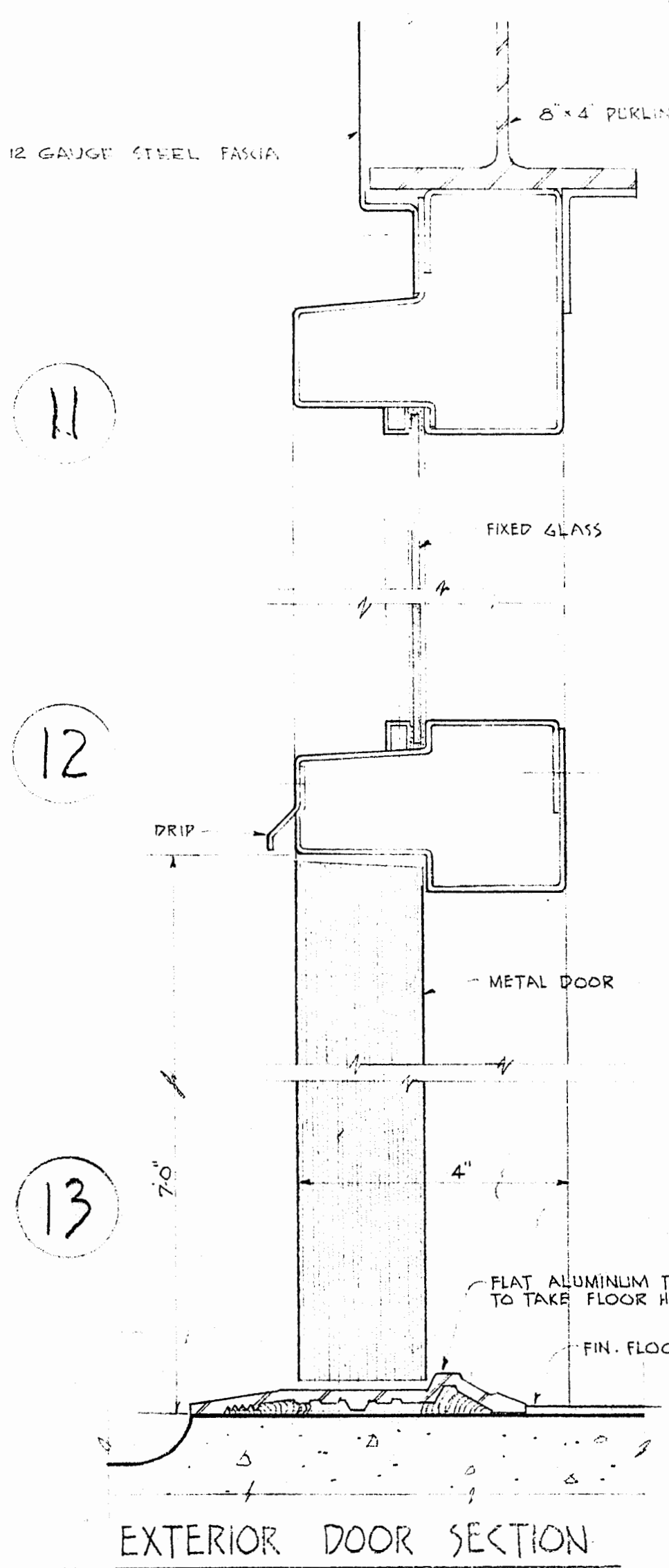
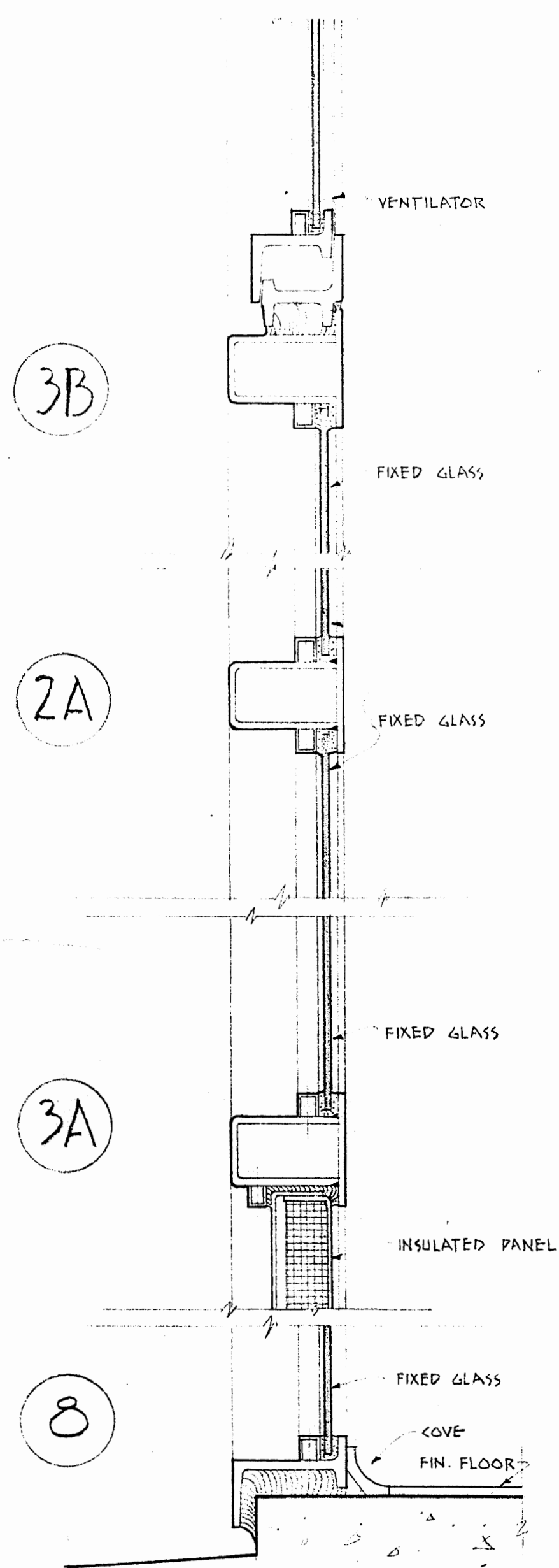
SECTION 5A IS 1A FOR STEEL ALTERNATE

<b>TYPICAL WINDOW ELEVATIONS</b>	
	FRAMINGHAM HIGH SCHOOL FLAG DRIVE FRAMINGHAM, MASSACHUSETTS SAMUEL GLASER ASSOCIATES ARCHITECTS & ENGINEERS 105 HILWORTH STREET, BOSTON, MASSACHUSETTS
DRAWING No.	<b>A-20</b>
DRAWN BY A.L.	DATE MAY 29, 1956 JOB No. 5600
CHECKED BY T.J.G.	APPROVED BY

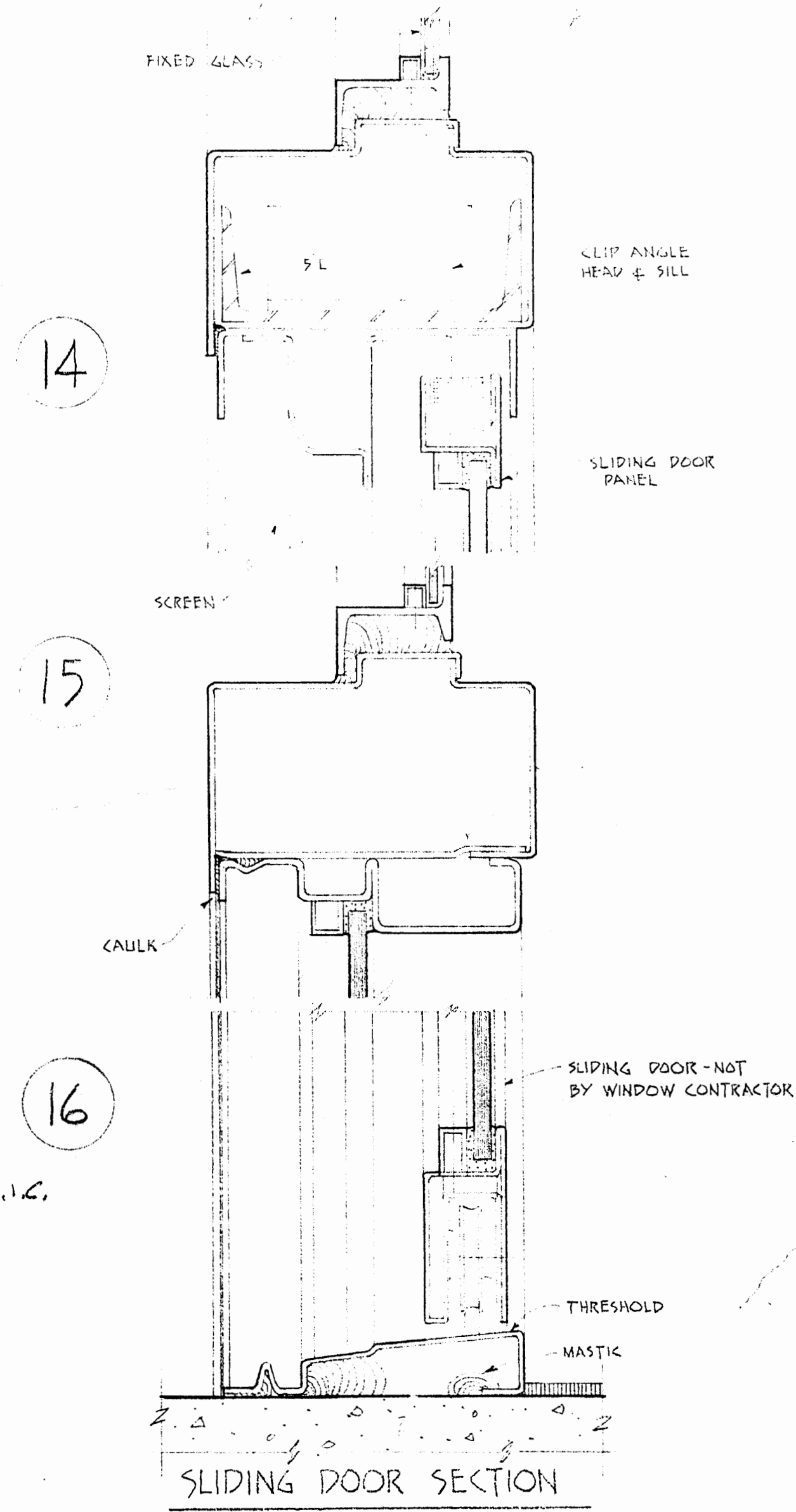




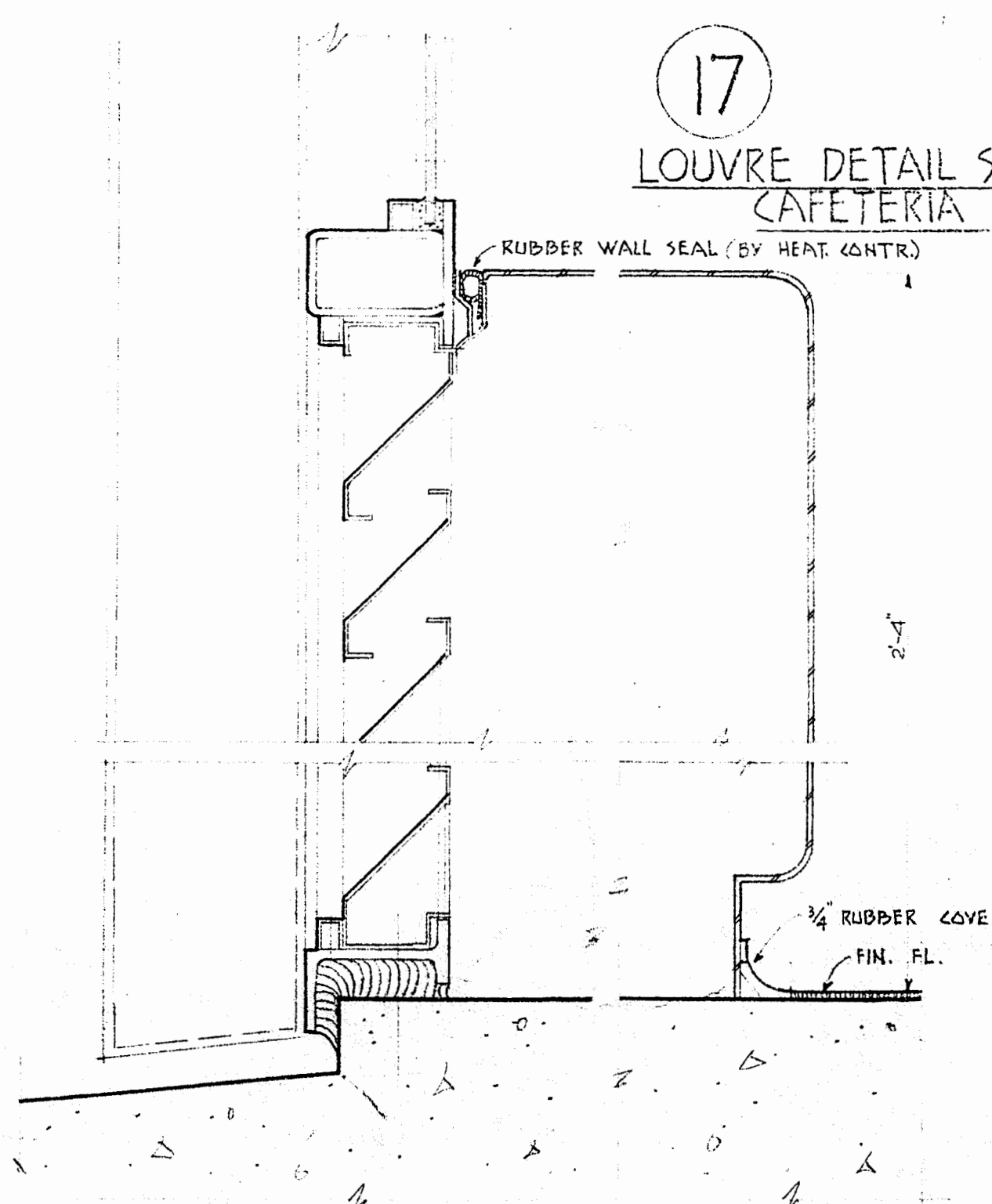
TYP. WINDOW WALL SECTION



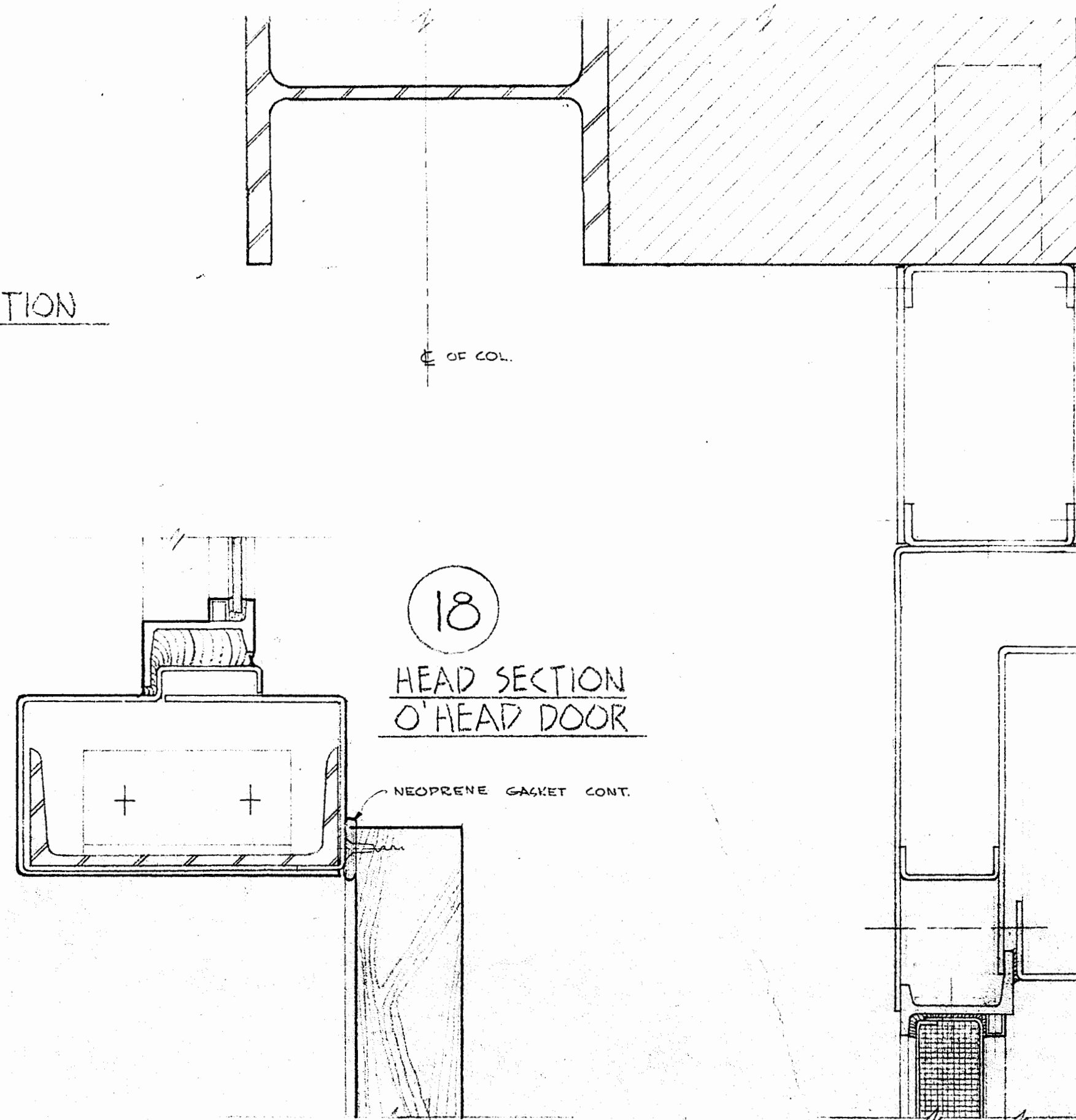
EXTERIOR DOOR SECTION



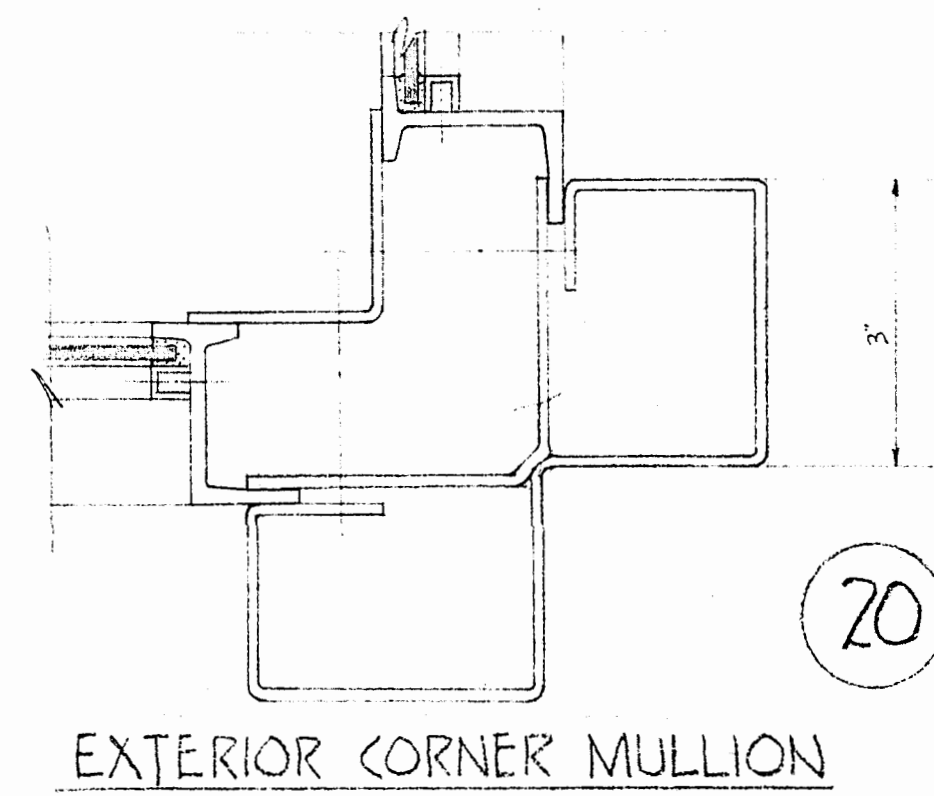
SLIDING DOOR SECTION



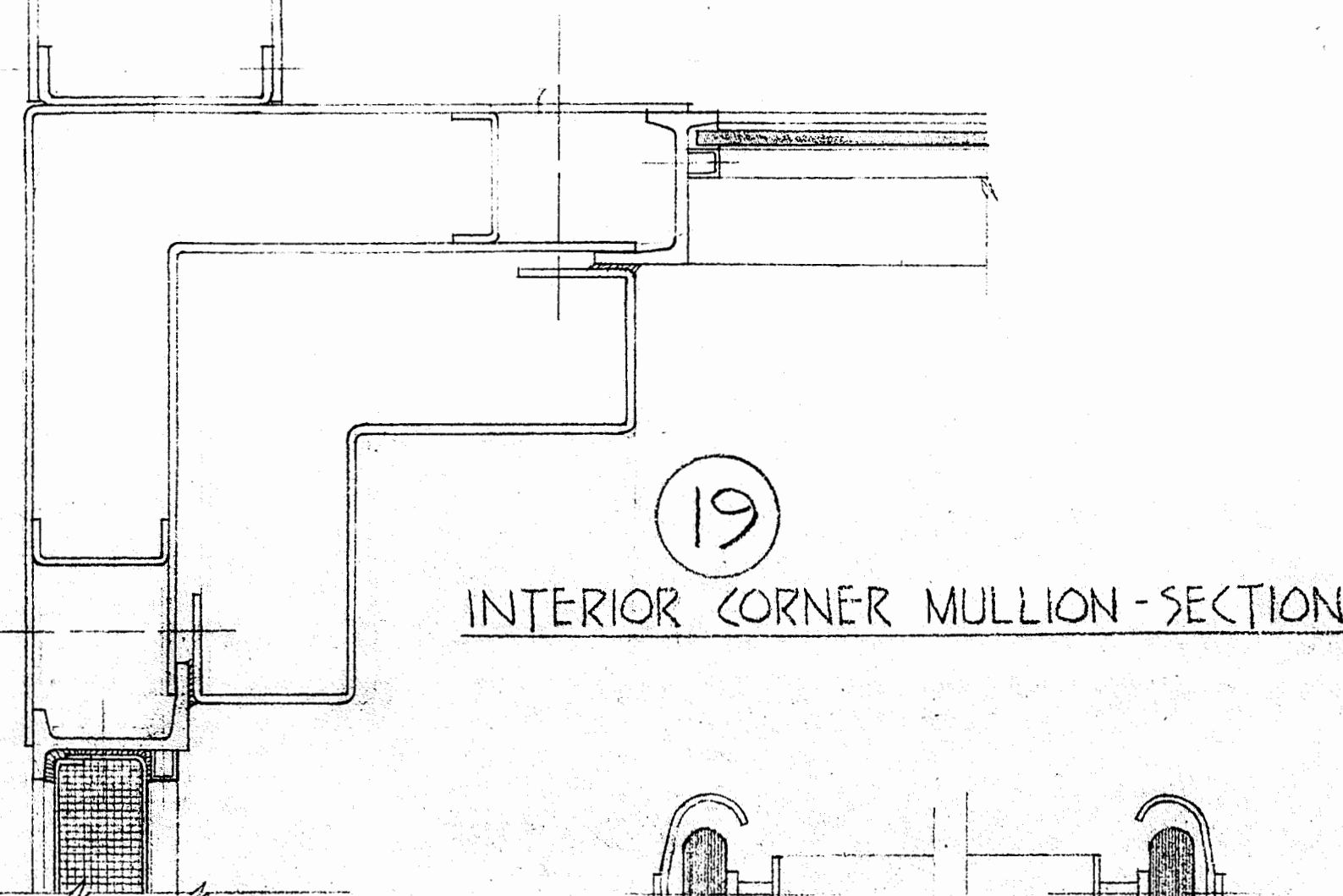
LOUVRE DETAIL SECTION CAFETERIA



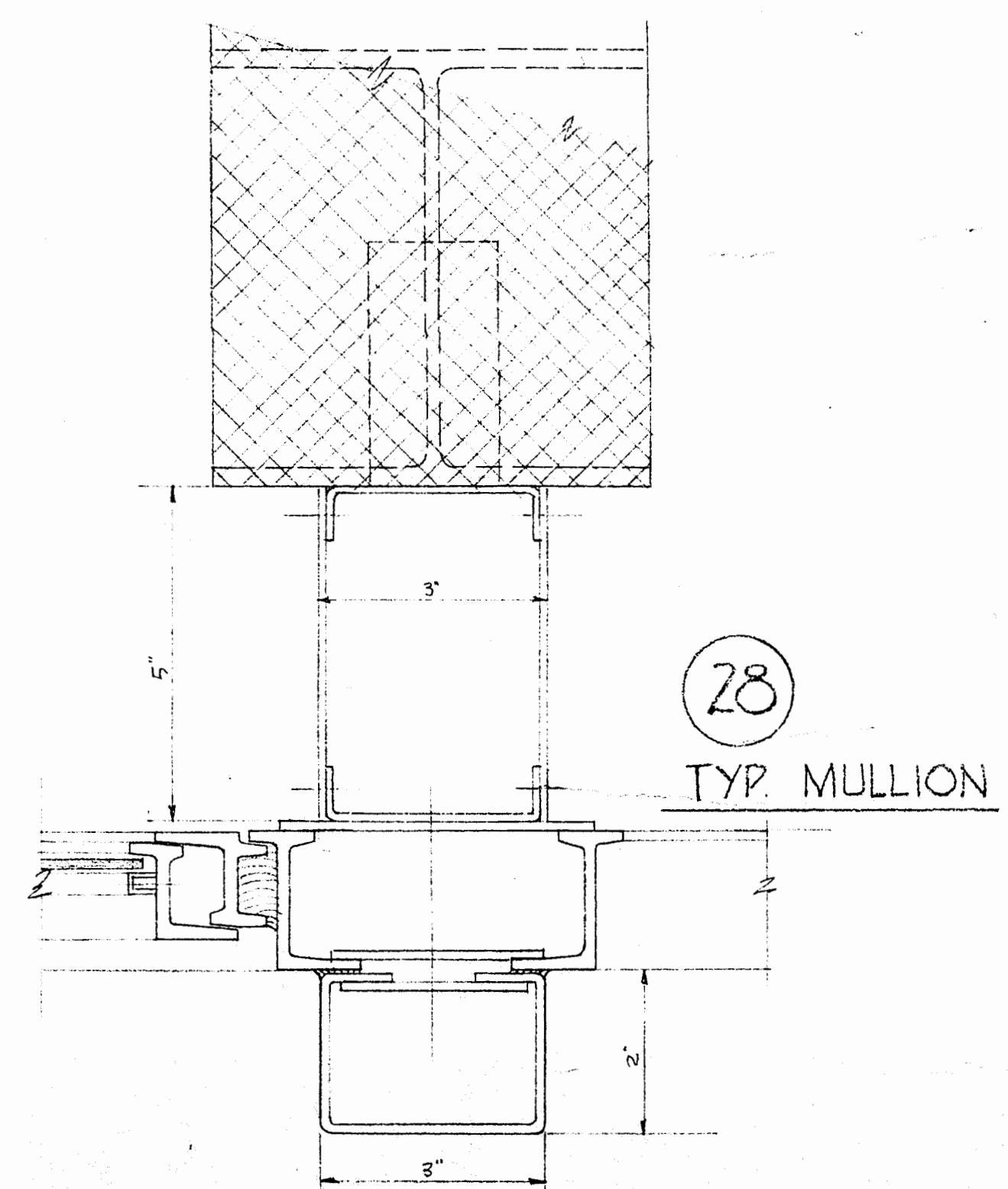
HEAD SECTION OF HEAD DOOR



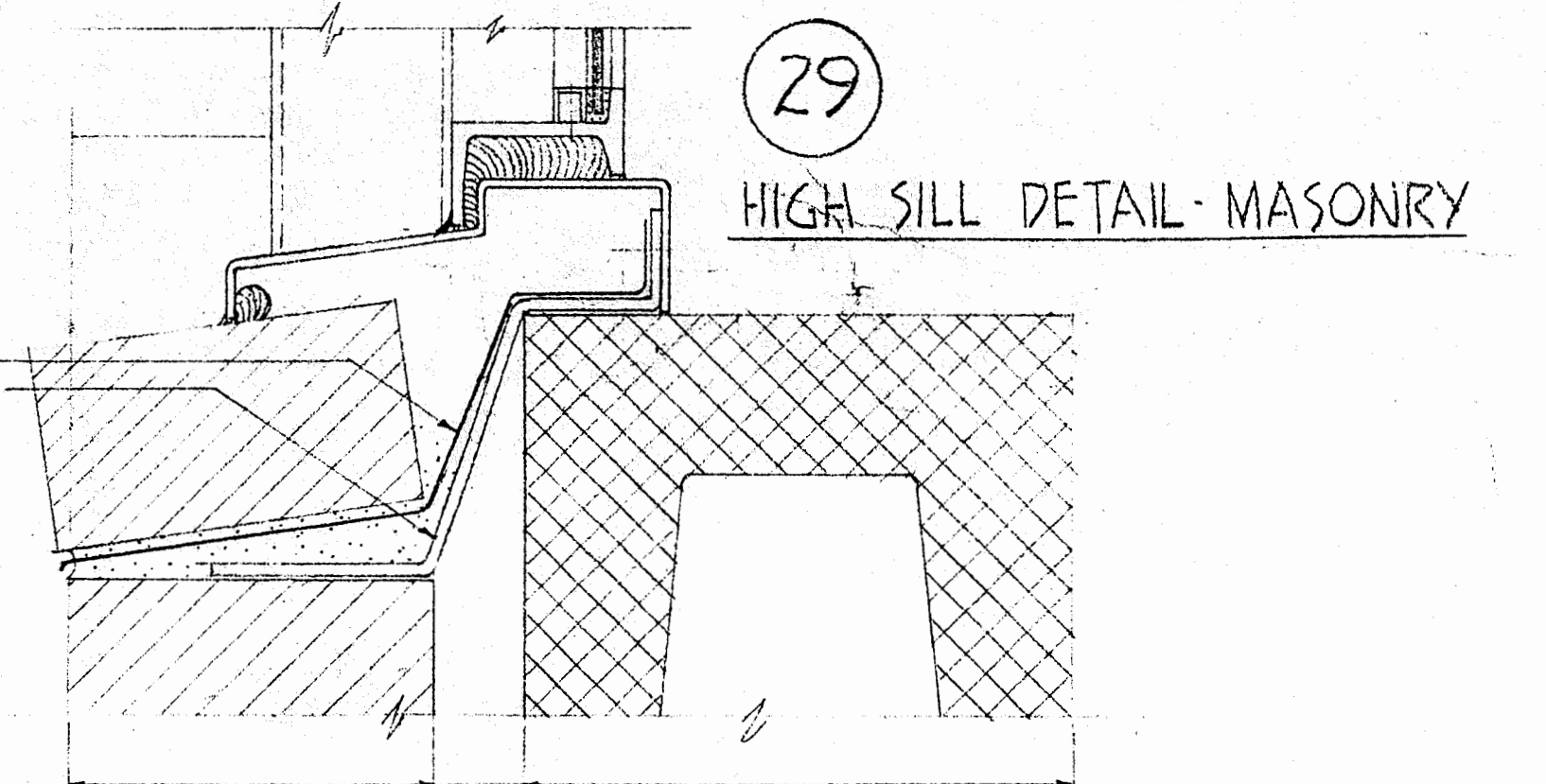
EXTERIOR CORNER MULLION



INTERIOR CORNER MULLION - SECTION

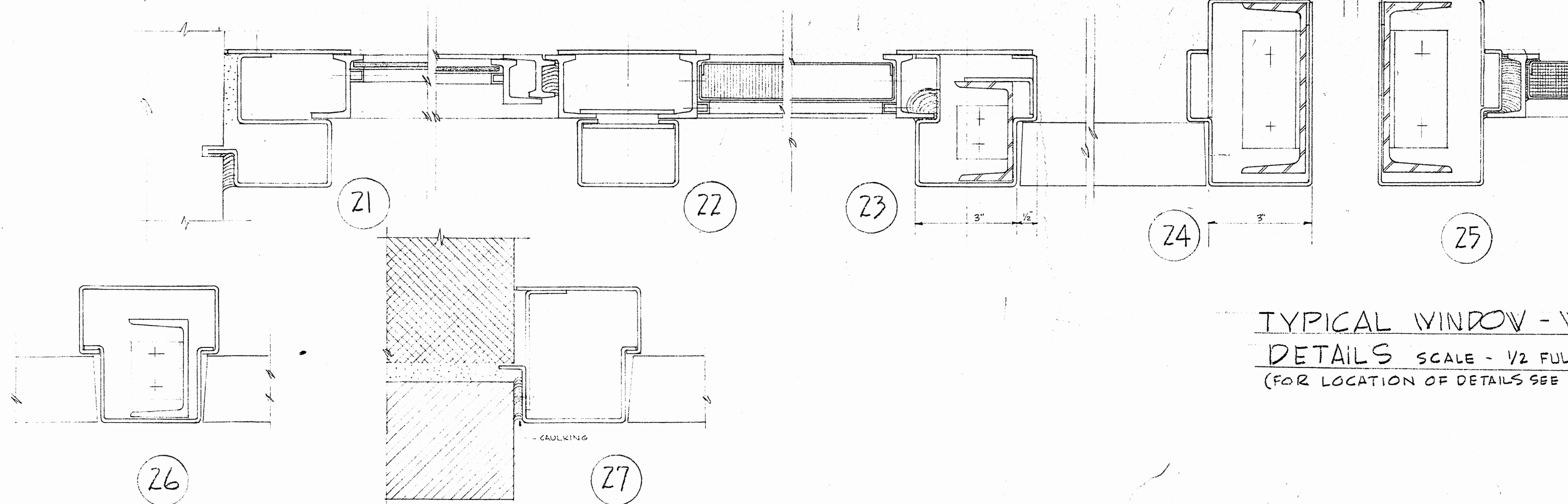


TYP. MULLION



HIGH SILL DETAIL - MASONRY

NOTE 1. FOR LOCATION OF SASH DETAIL REFER TO SH # A-20  
 2. THIS CONTRACTOR TO PROVIDE STEEL SASH FOR WOOD WINDOW VALVES.



TYPICAL WINDOW - WALL DETAILS SCALE - 1/2 FULL SIZE (FOR LOCATION OF DETAILS SEE SH # A-24)

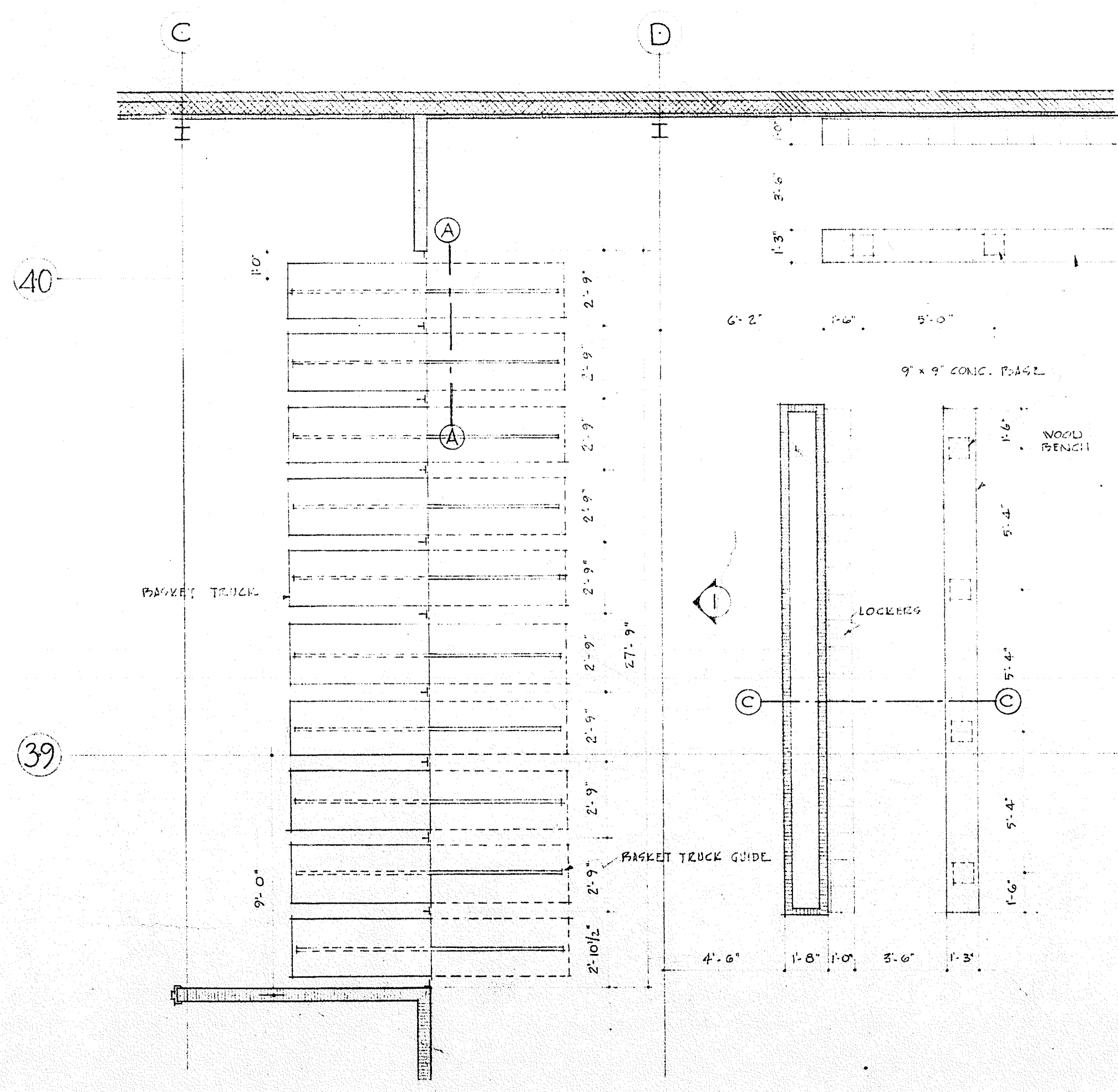
ALTERNATE STEEL SASH DETAILS

REGISTERED ARCHITECT  
 No. 493  
 BOSTON  
 MASS.  
 FRAMINGHAM HIGH SCHOOL  
 FLAGG DRIVE  
 FRAMINGHAM, MASSACHUSETTS  
 ARCHITECTS & ASSOCIATES

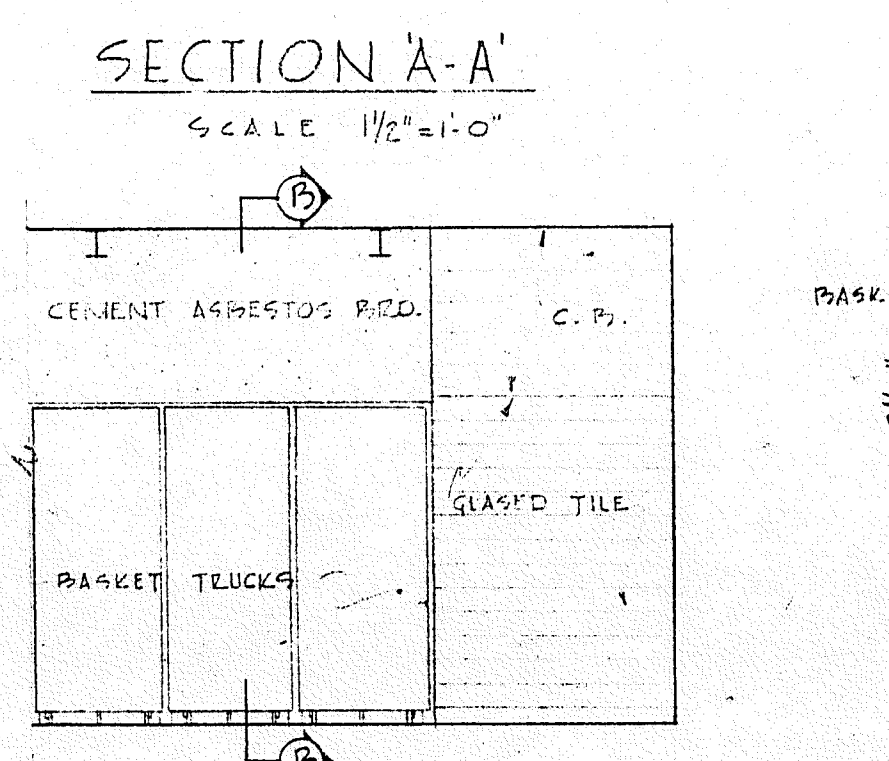
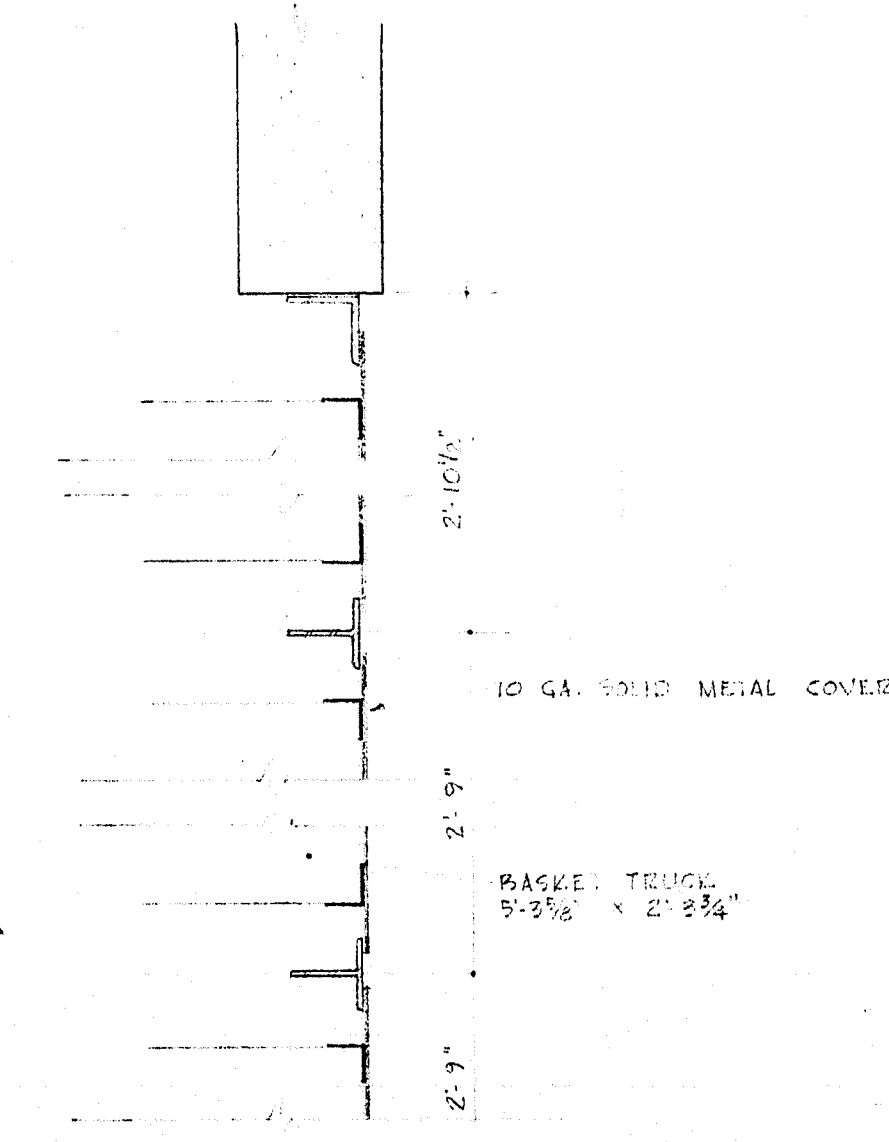
DRAWN BY: A.Z. DATE: MAY 25, 1956  
 CHECKED BY: T.J.C. APPROVED BY: 9608

A-21

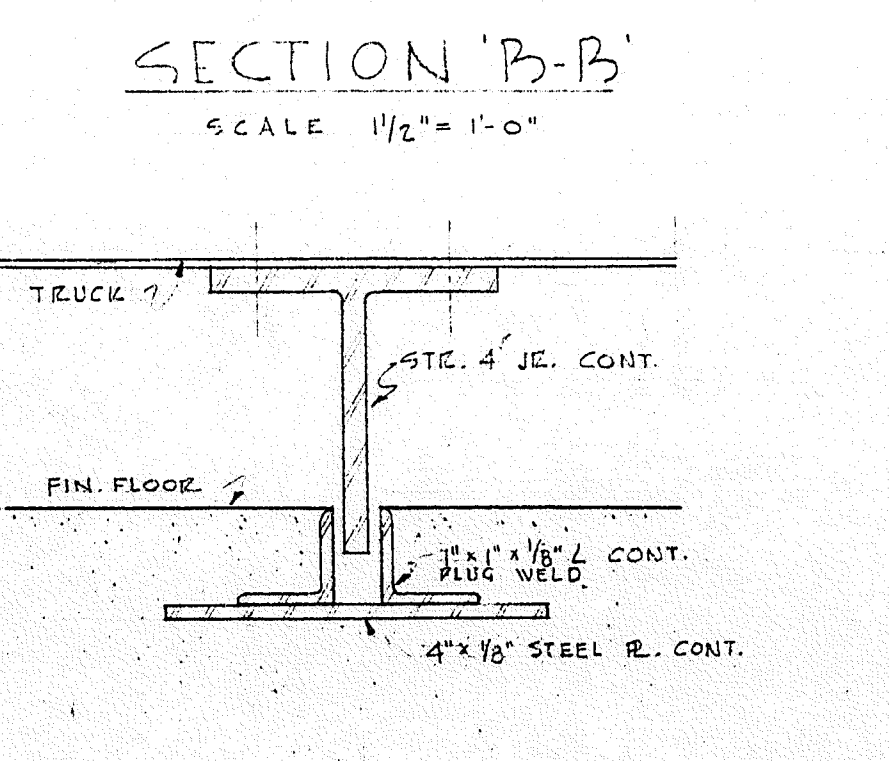
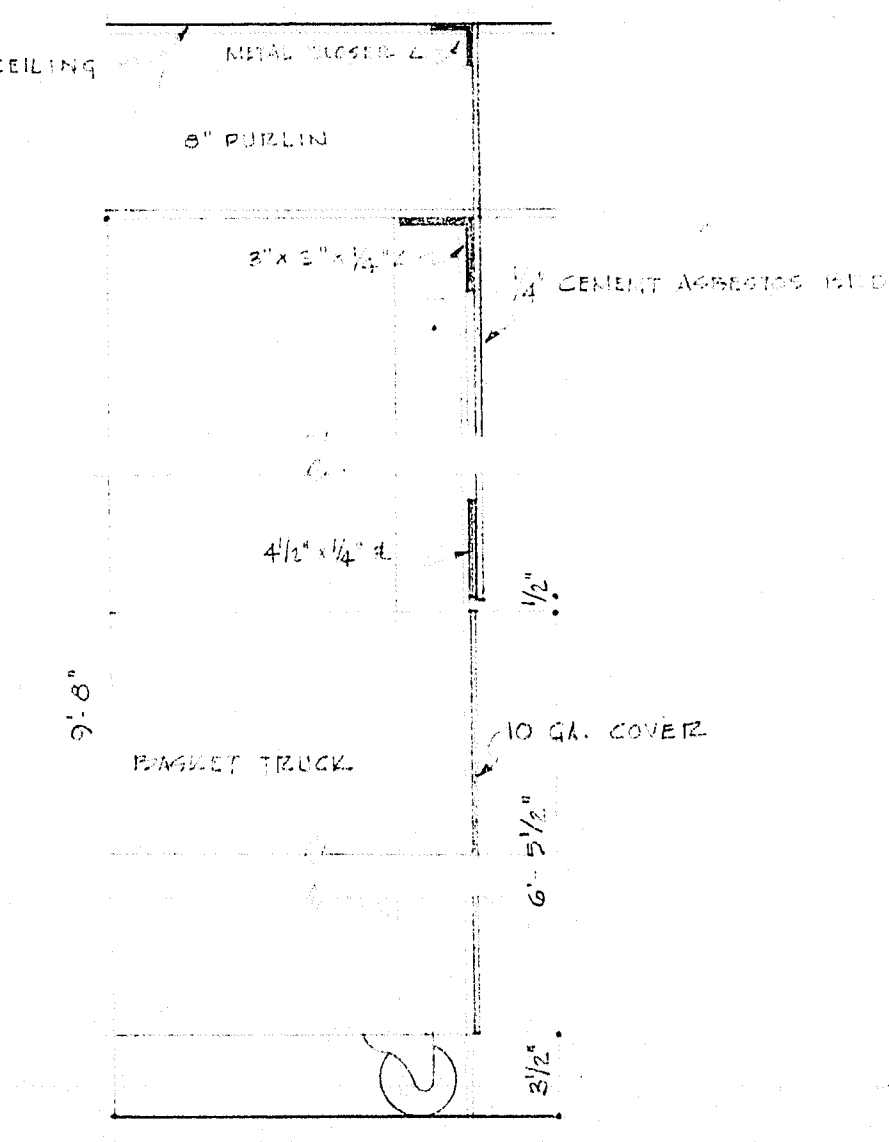




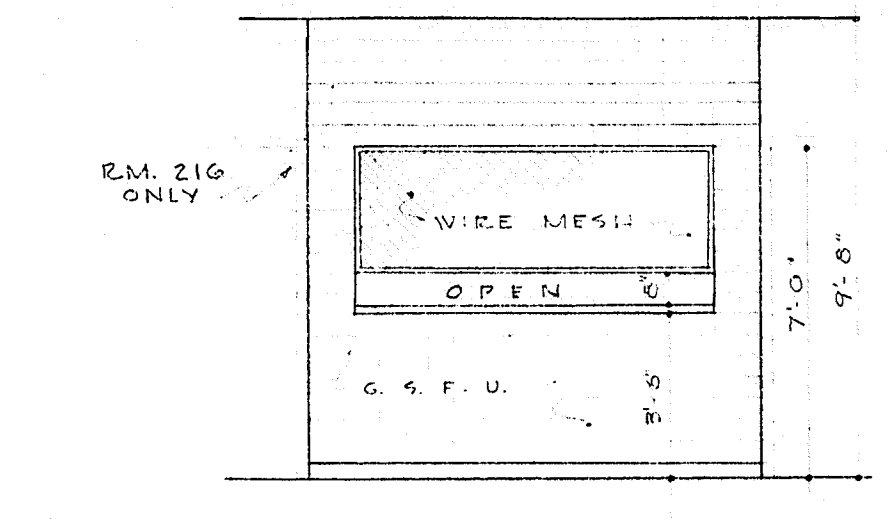
**PART PLAN**  
**BOYS DRYING AREA & LOCKER ROOM**  
 SCALE 1/4"=1'-0"



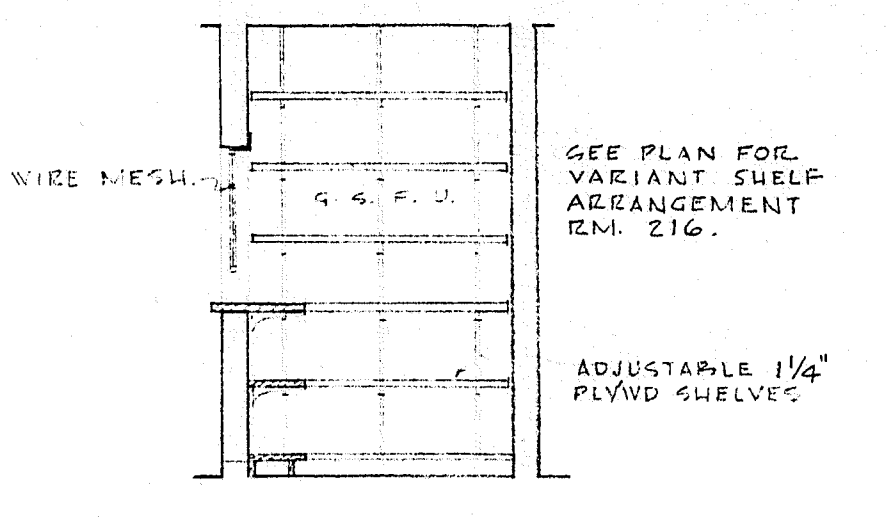
**ELEVATION 1**  
 SCALE 1/4"=1'-0"



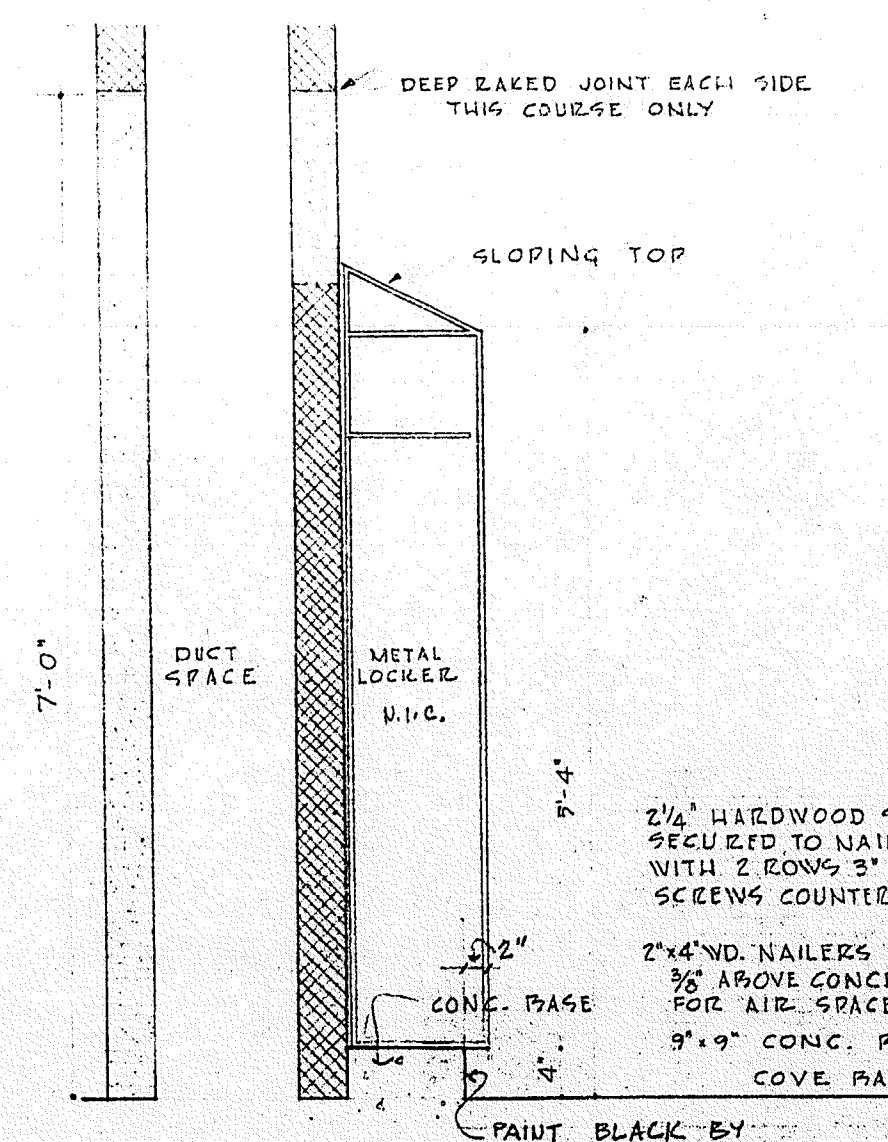
**BASKET TRUCK GUIDE**  
 1/2 FULL SCALE



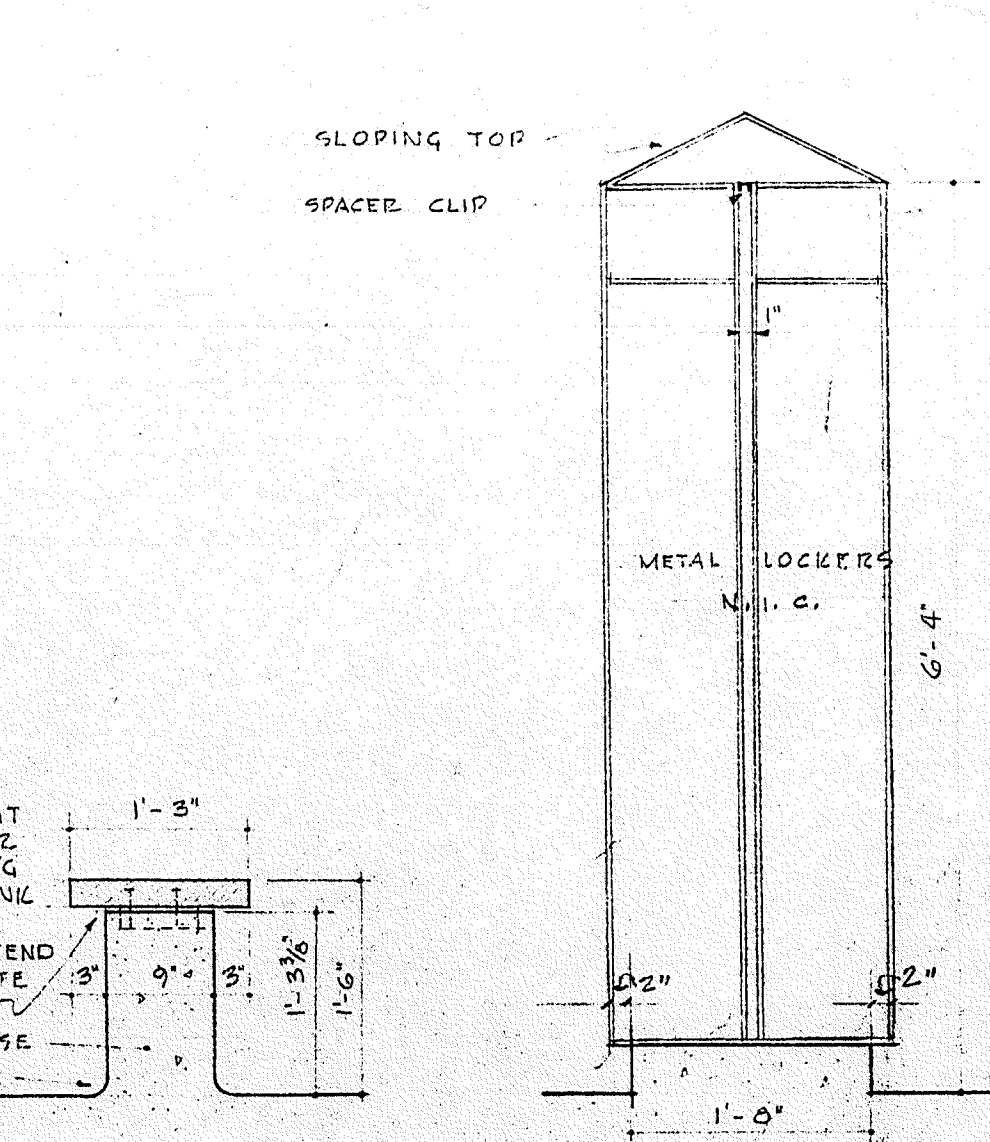
**ELEVATION... TOWEL EM... SECTION...**  
 SCALE 1/4"=1'-0"



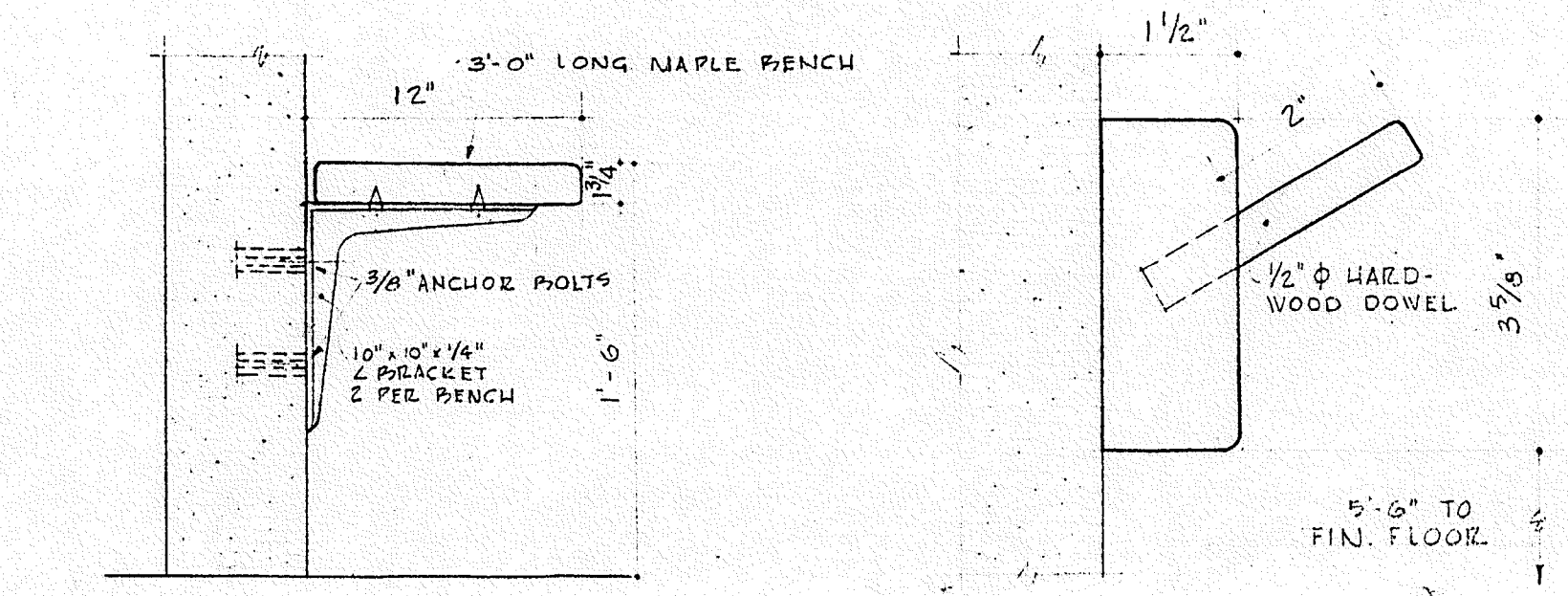
**DETAIL**  
 SCALE 1 1/2"=1'-0"



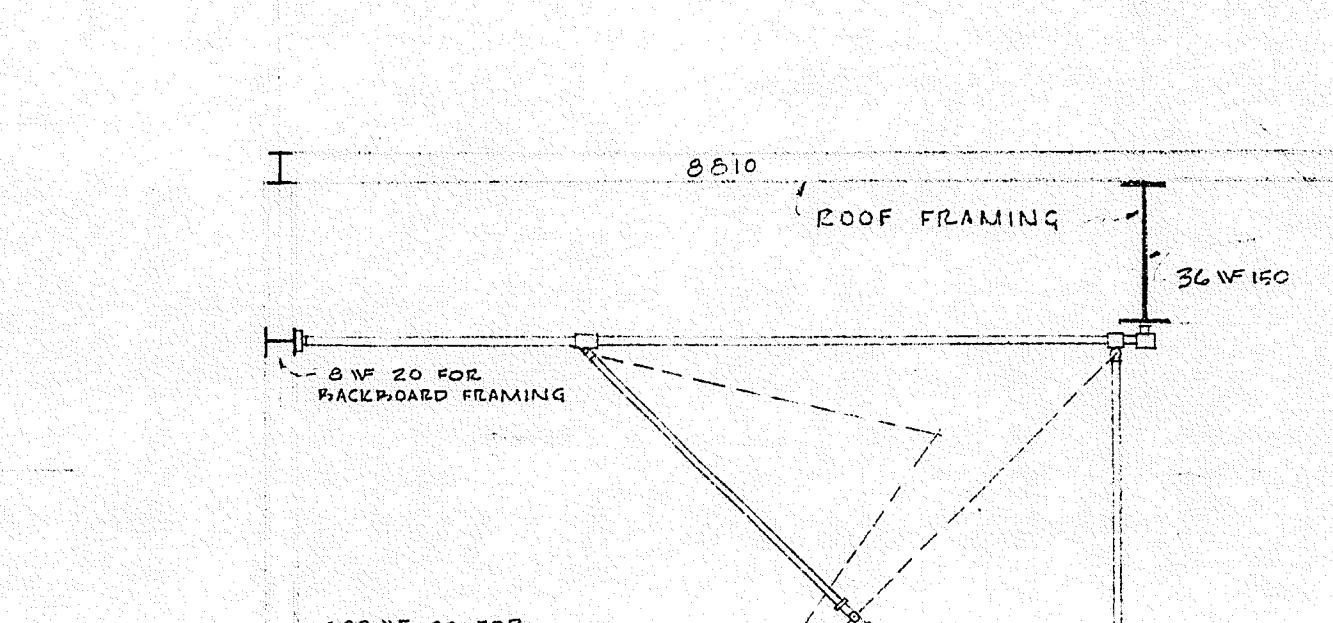
**SECTION C-C**  
 SCALE 3/4"=1'-0"



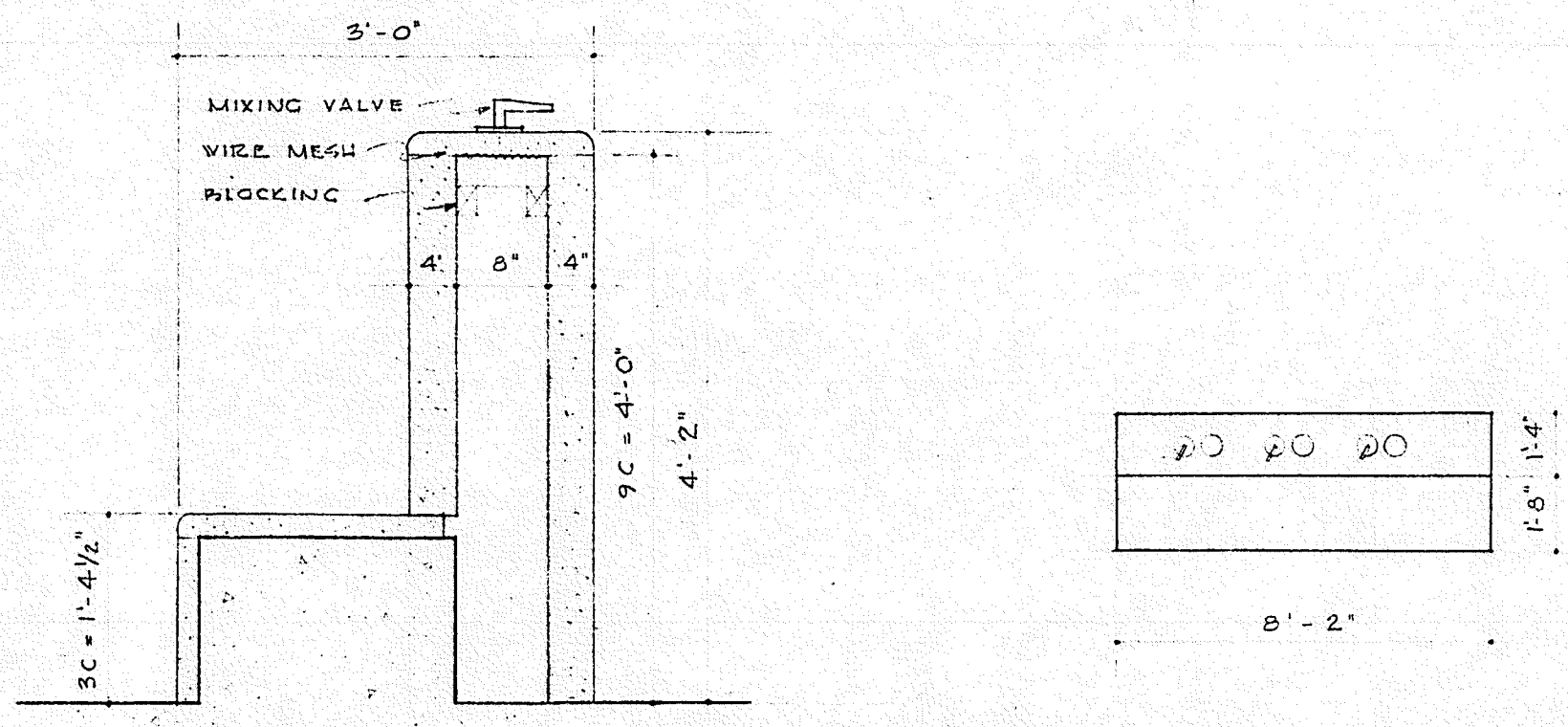
**SECTION**  
 SCALE 1 1/2"=1'-0"



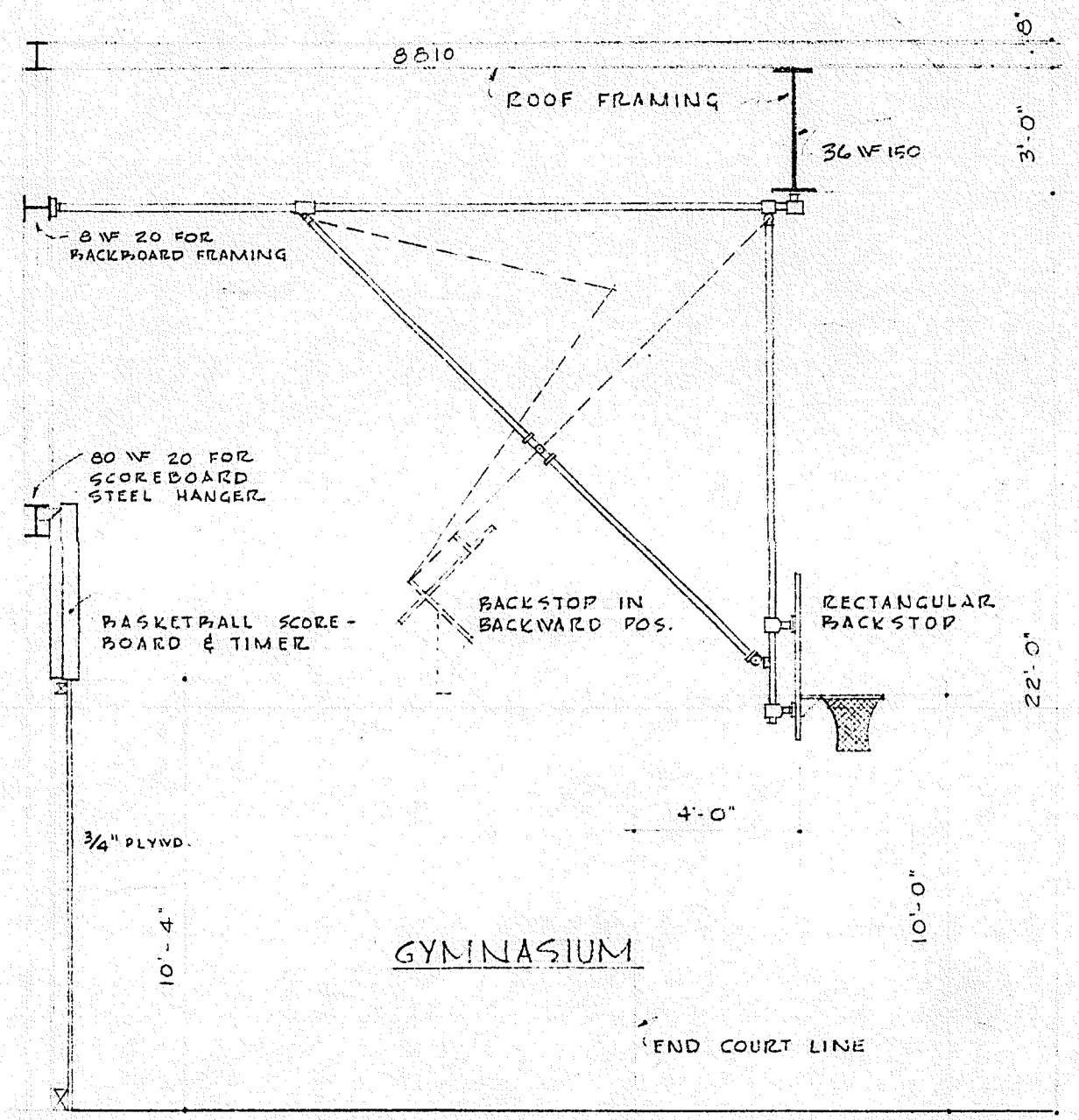
**SHOWER STALL BENCH**  
 SCALE 1 1/2"=1'-0"



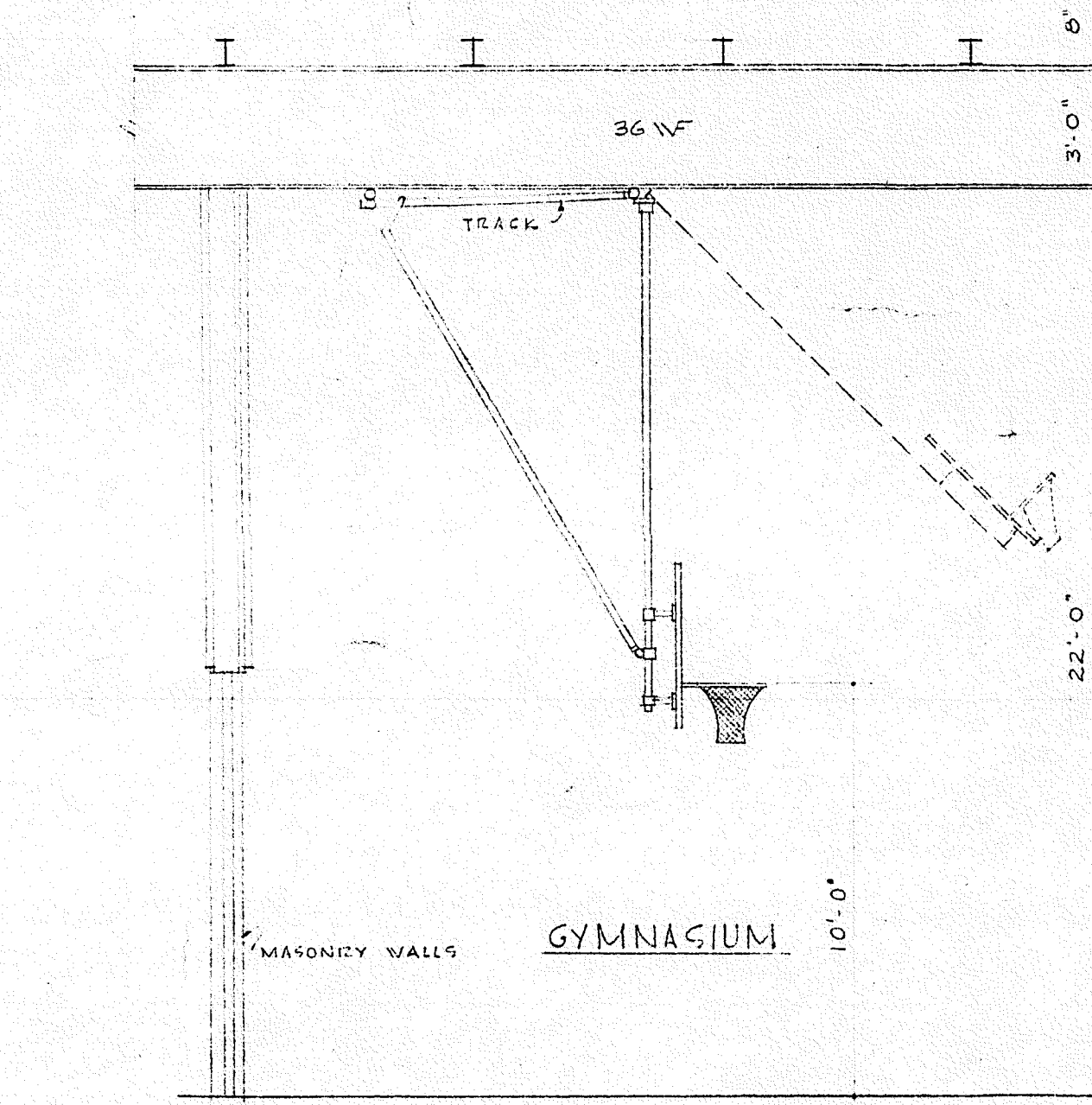
**BIRCH PEG STRIP**  
 1/2 FULL SCALE



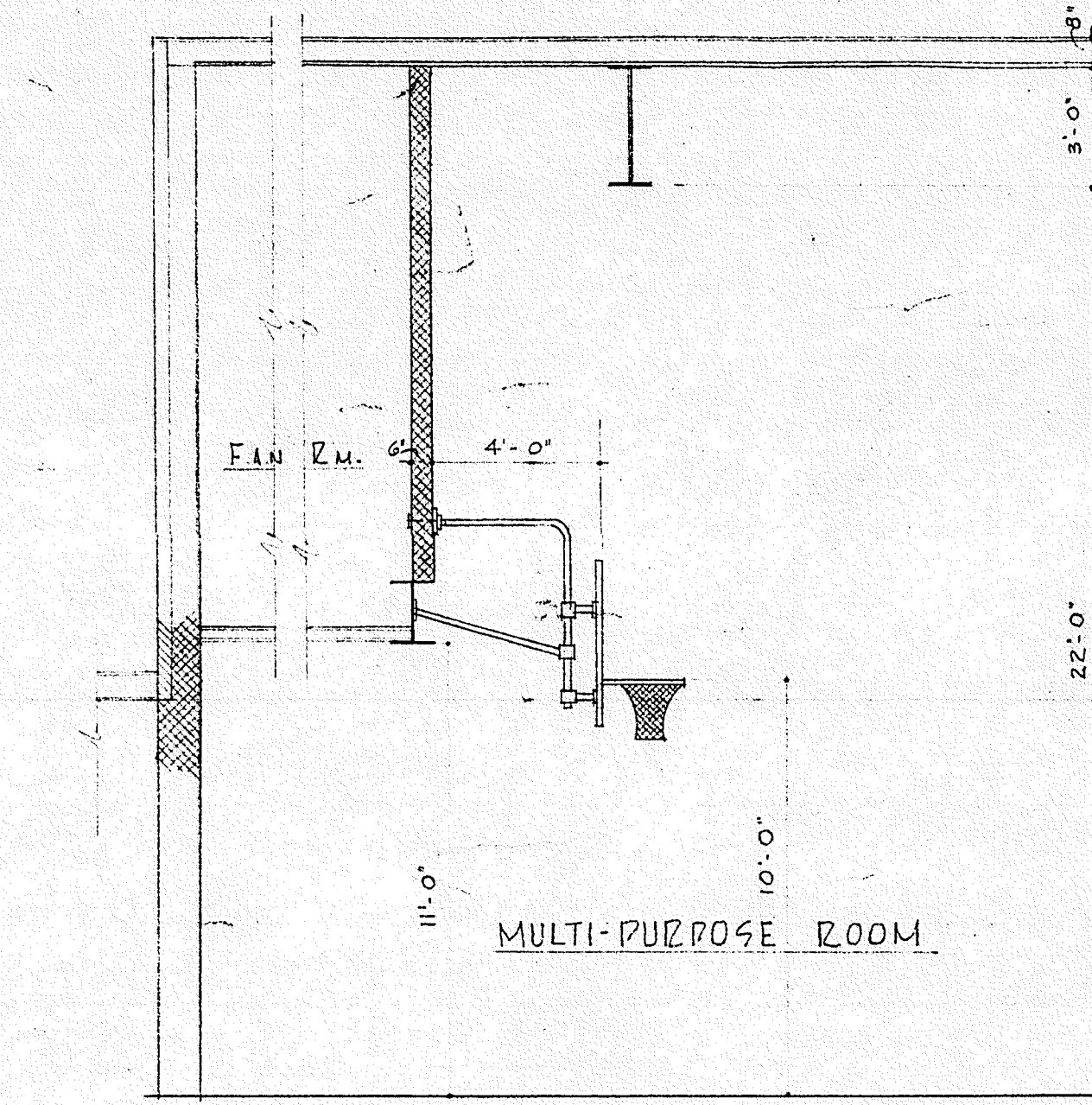
**SECTION... SHOWER CONTROL STATION... PLAN**  
 SCALE 3/4"=1'-0"



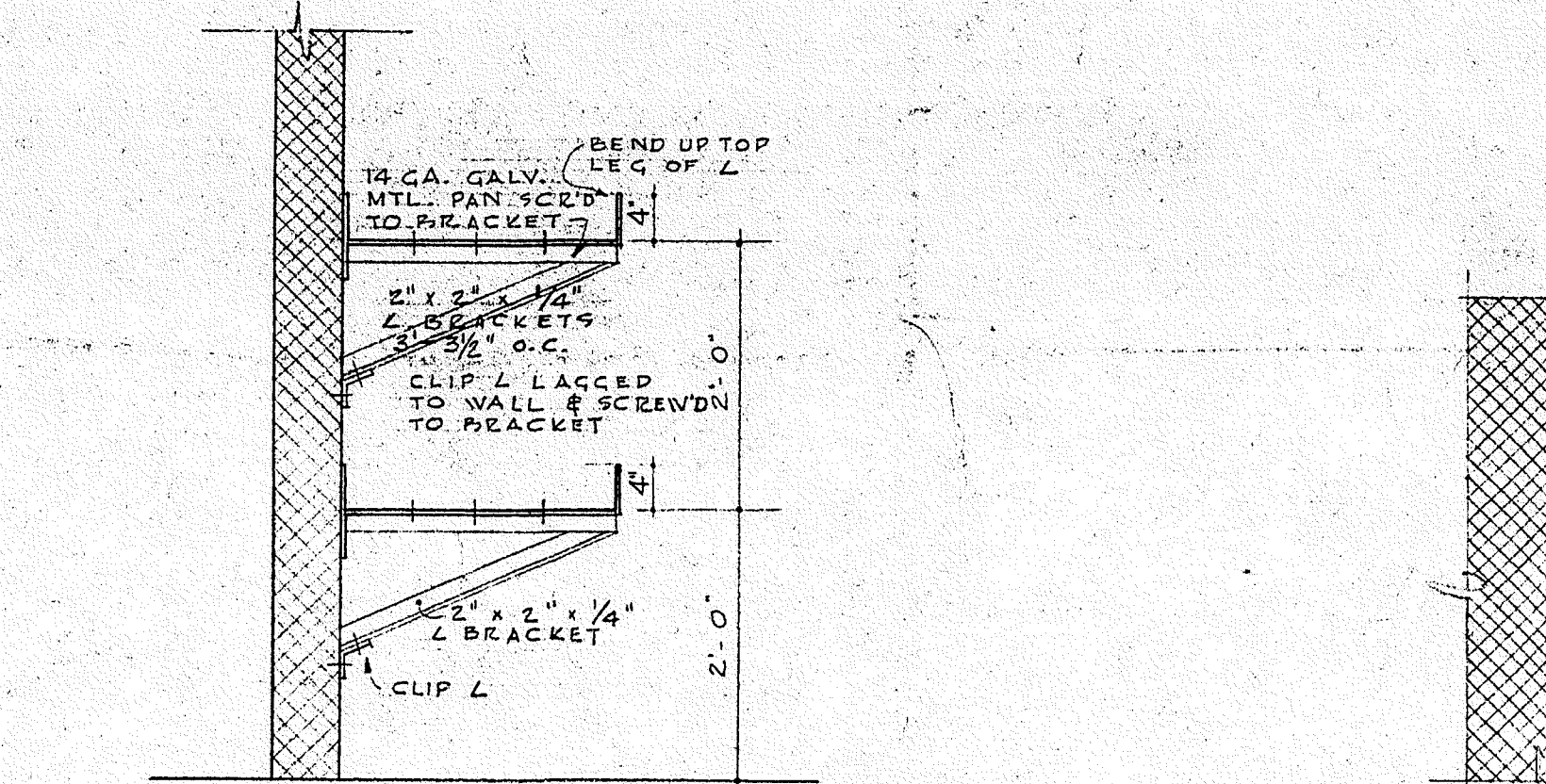
**BACKWARD SWING-UP TYPE BACK STOP**  
 2 REQUIRED  
 SCALE 1/4"=1'-0"



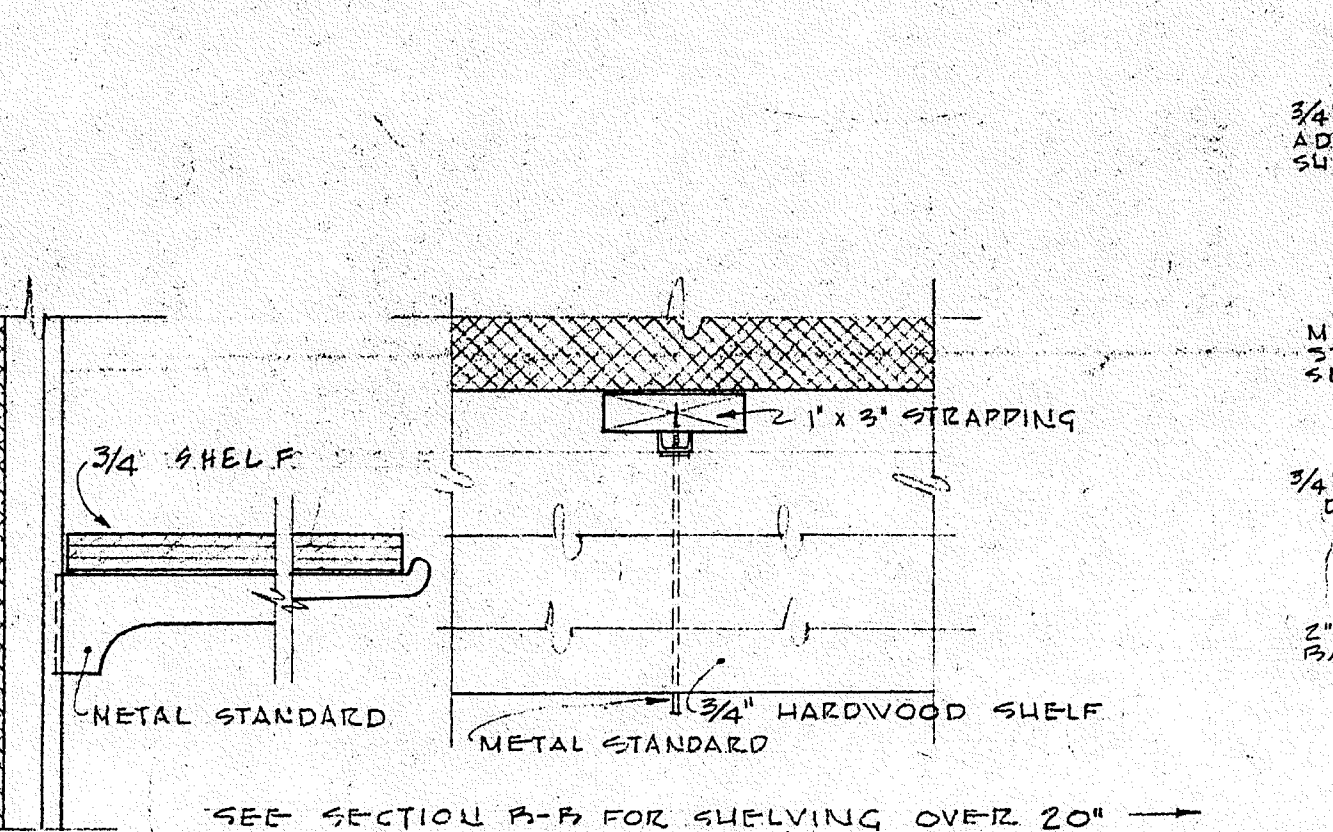
**FORWARD FOLD TYPE BACK STOP**  
 4 REQUIRED  
 SCALE 1/4"=1'-0"



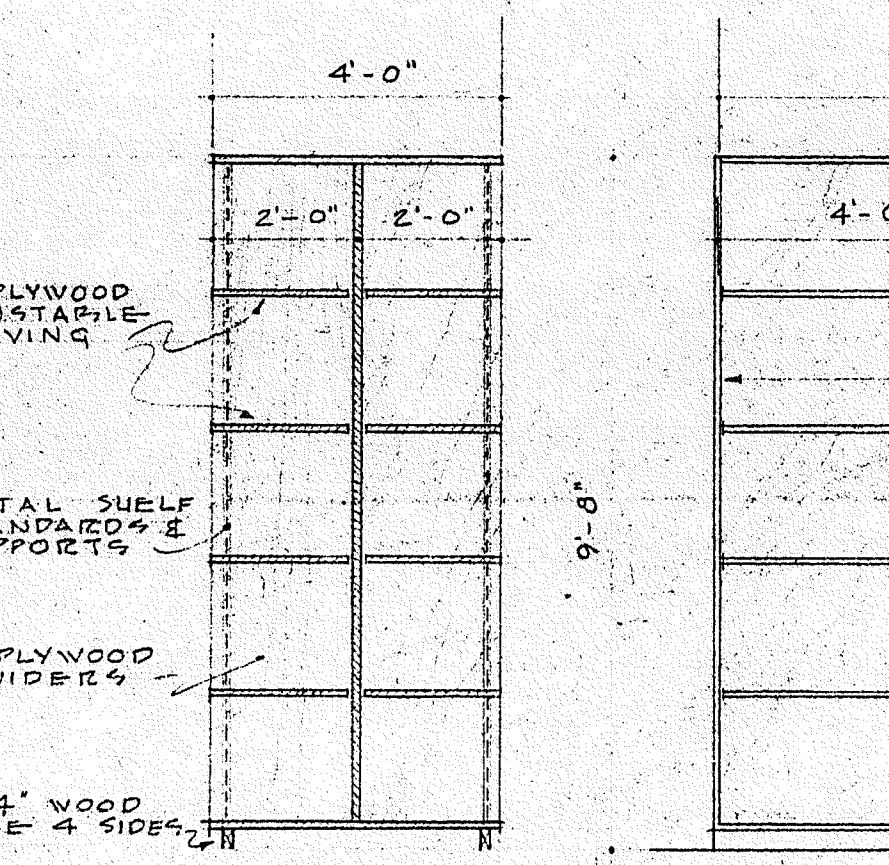
**FIXED BACK STOP**  
 2 REQUIRED



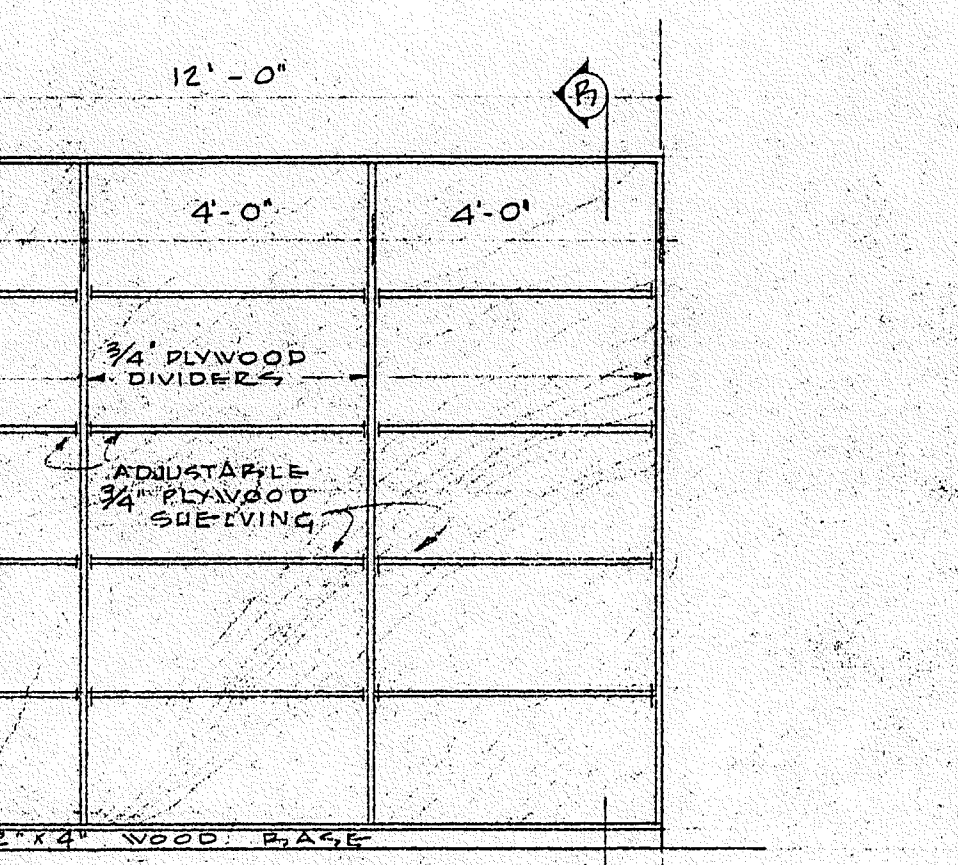
**METAL BAR STOCK STORAGE RACK... ROOM #26**  
 SCALE 3/4"=1'-0"



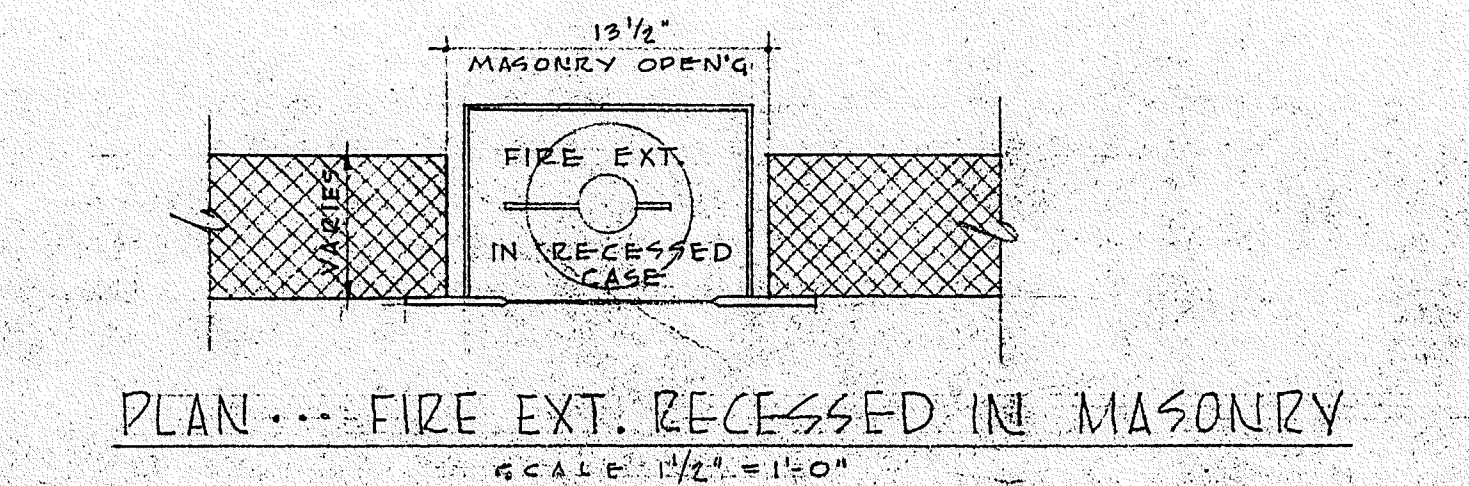
**ADJUSTABLE BRACKET & STANDARD FOR SHELVING UP TO & INCLUDING 20"**  
 SCALE 3/4"=1'-0"



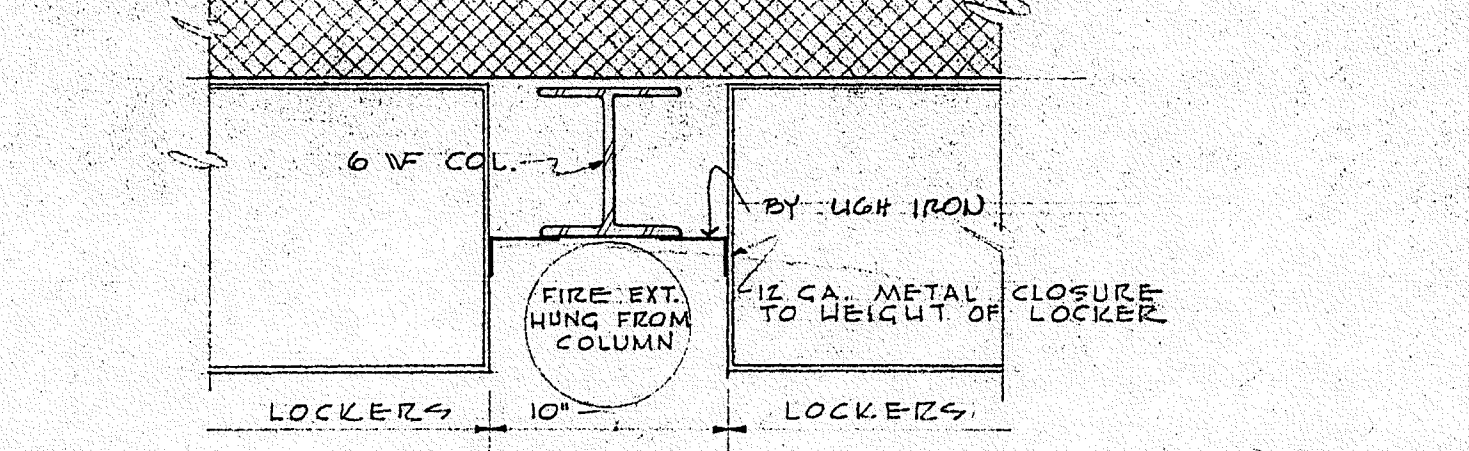
**SECTION B-B**  
 SCALE 3/8"=1'-0"



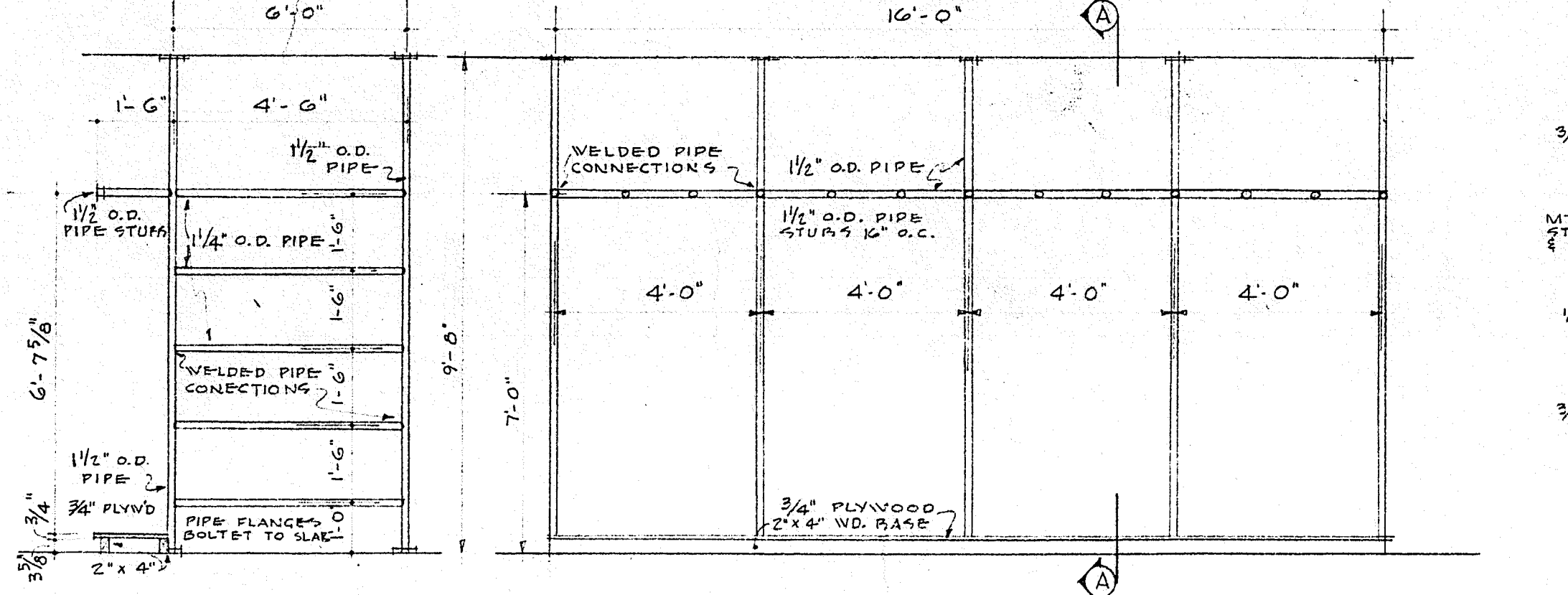
**ELEVATION B**  
 SCALE 3/8"=1'-0"



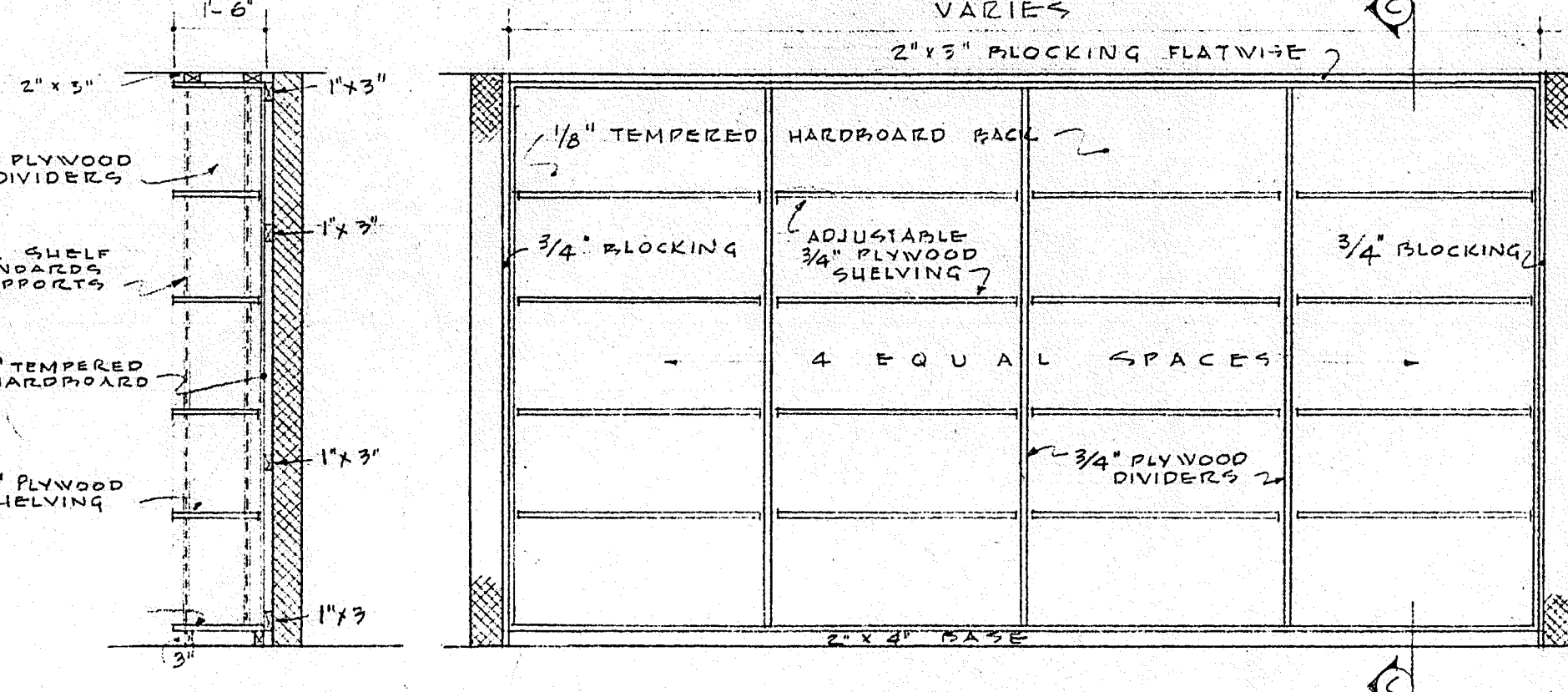
**PLAN... FIRE EXT. RECESSED IN MASONRY**  
 SCALE 1 1/2"=1'-0"



**PLAN... FIRE EXT. AT COL. BETWEEN LOCKERS**  
 SCALE 1 1/2"=1'-0"



**SECTION A-A**  
**METAL LUMBER STORAGE RACK IN ROOM #2**  
 SCALE 3/8"=1'-0"



**SECTION C-C**  
**TYPICAL WOOD STORAGE SHELVES IN ROOMS 15, 16, 23, 25**  
 SCALE 3/8"=1'-0"

**BASKET TRUCKS & LOCKER DETAILS**

FRAMINGHAM HIGH SCHOOL  
 FLAGG DRIVE  
 FRAMINGHAM, MASSACHUSETTS

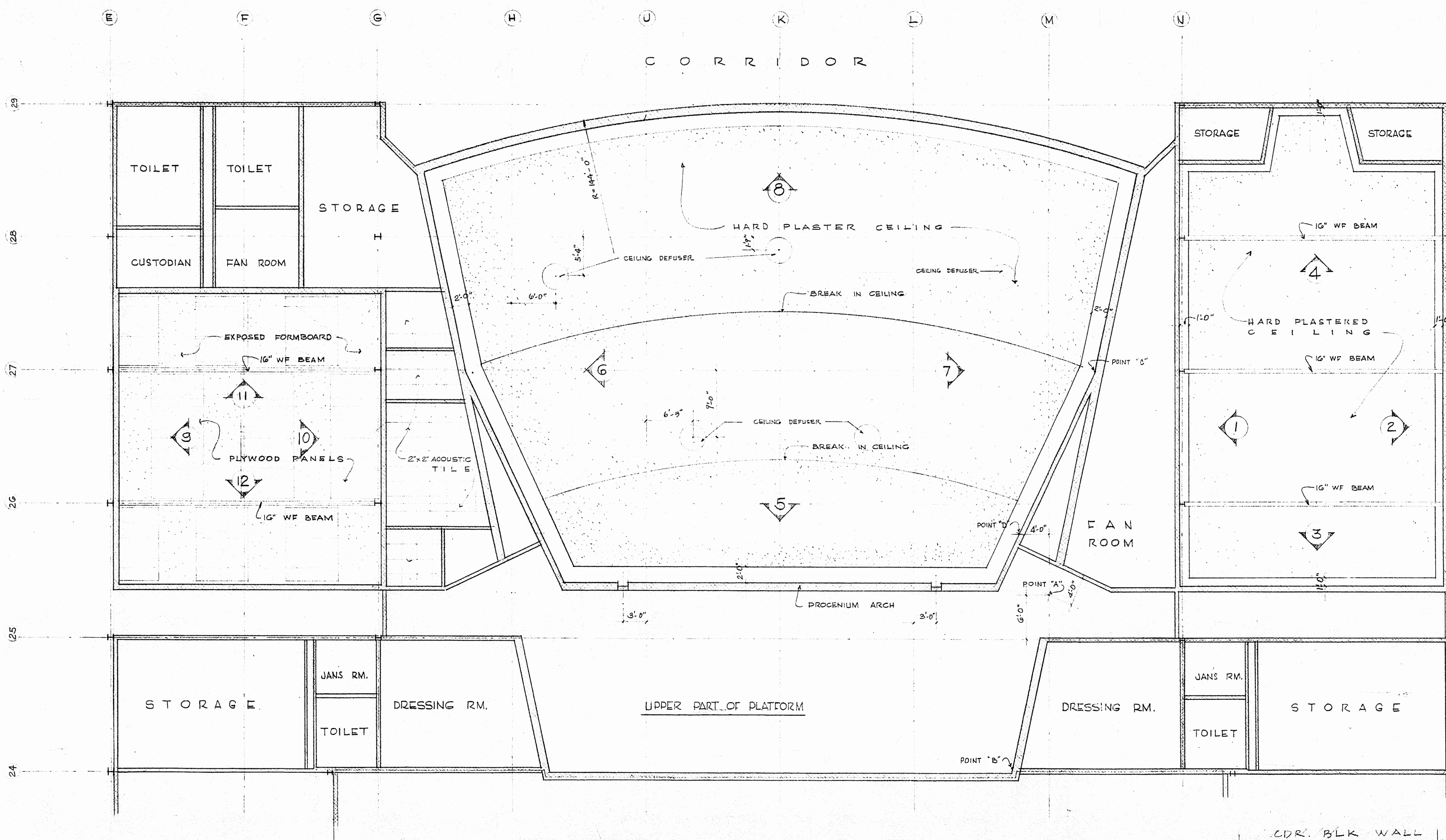
SAMUEL GLASER ASSOCIATES  
 ARCHITECTS ENGINEERS  
 105 NEWBURY STREET - BOSTON, MASSACHUSETTS

DRAWING No. **A-22**

DRAWN BY C.L.H. DATE MAY 23, 1956 JOB No. 5600  
 CHECKED BY T.J.S. APPROVED BY

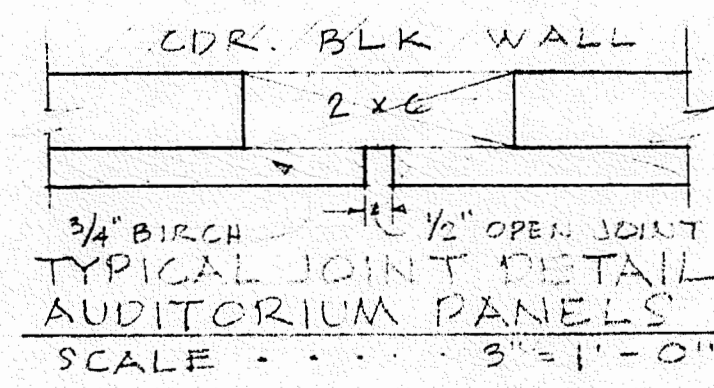


CORRIDOR

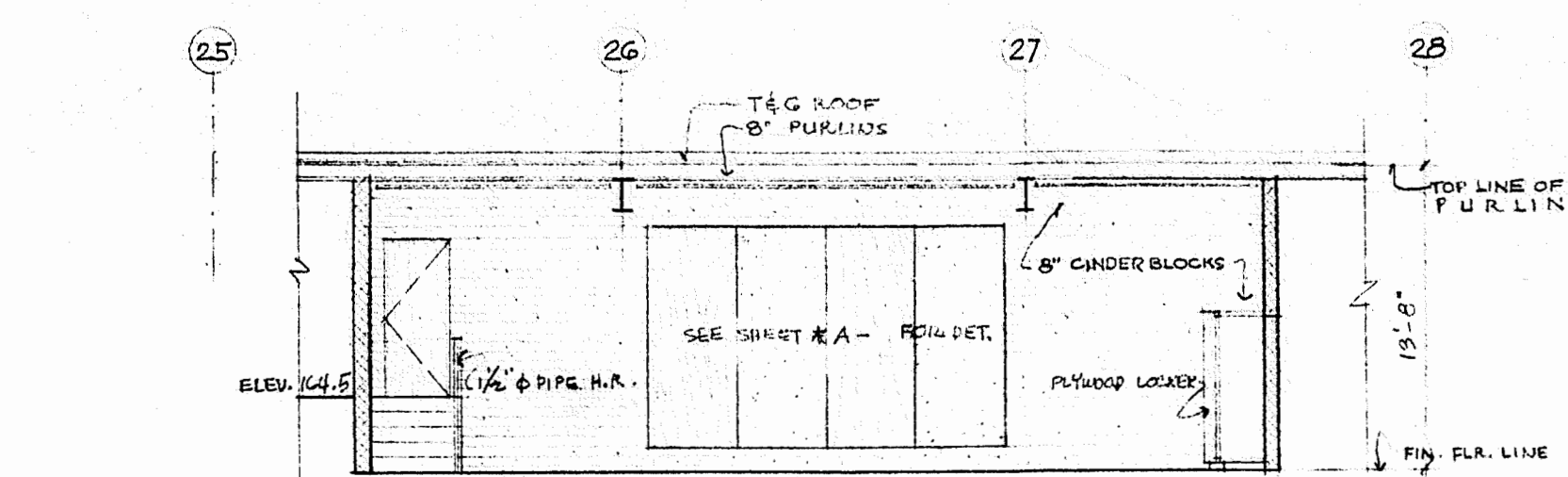


REFLECTED CEILING PLAN

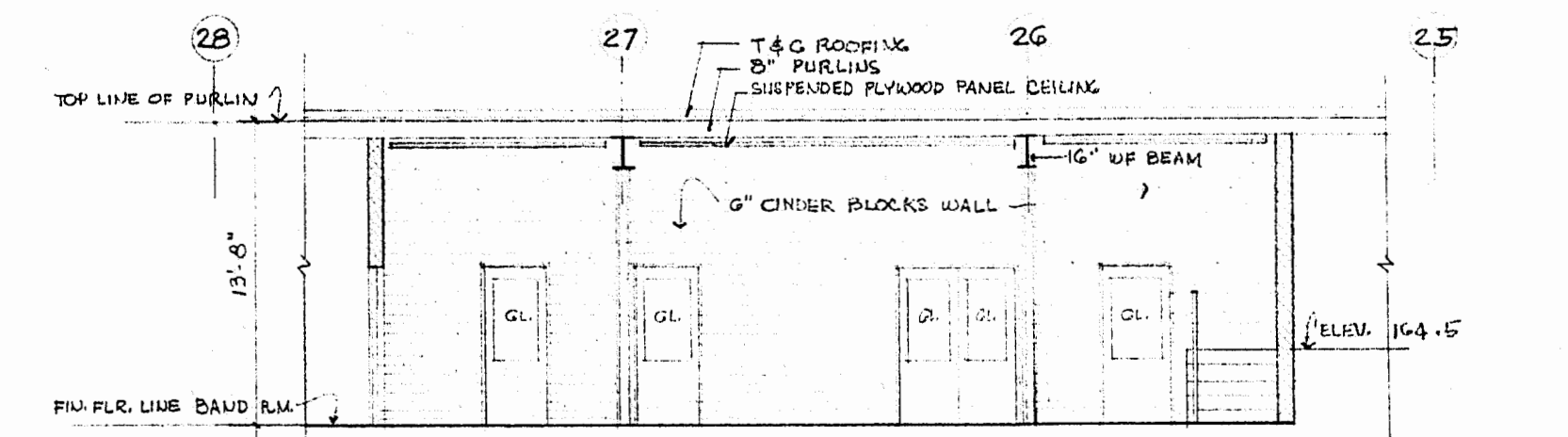
OF  
AUDITORIUM, BAND & PRACTICE ROOM, LANGUAGE ARTS RM.  
SCALE  $\frac{1}{8}'' = 1'-0''$



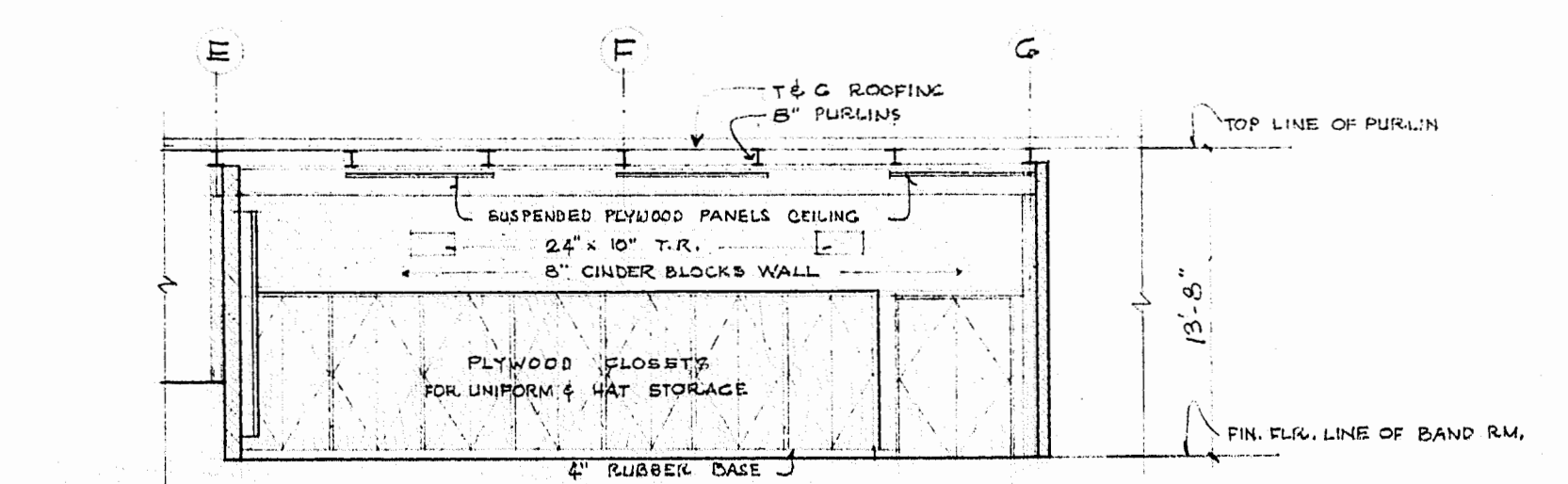
SCALE  $\frac{3}{8}'' = 1'-0''$



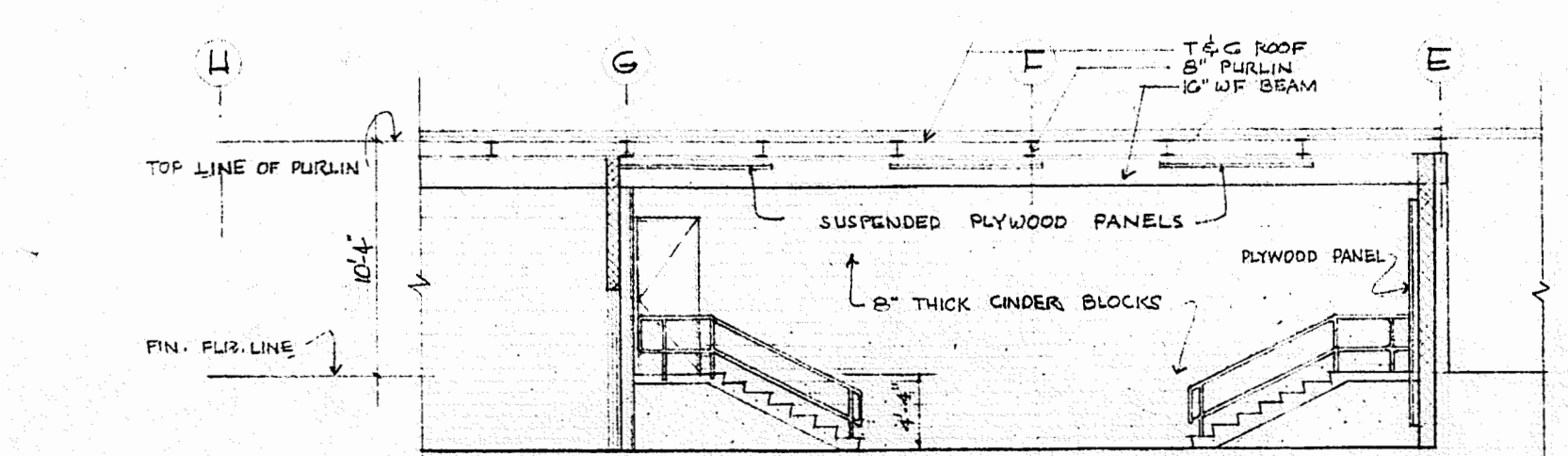
ELEVATION .9.  
SCALE  $\frac{1}{8}'' = 1'-0''$



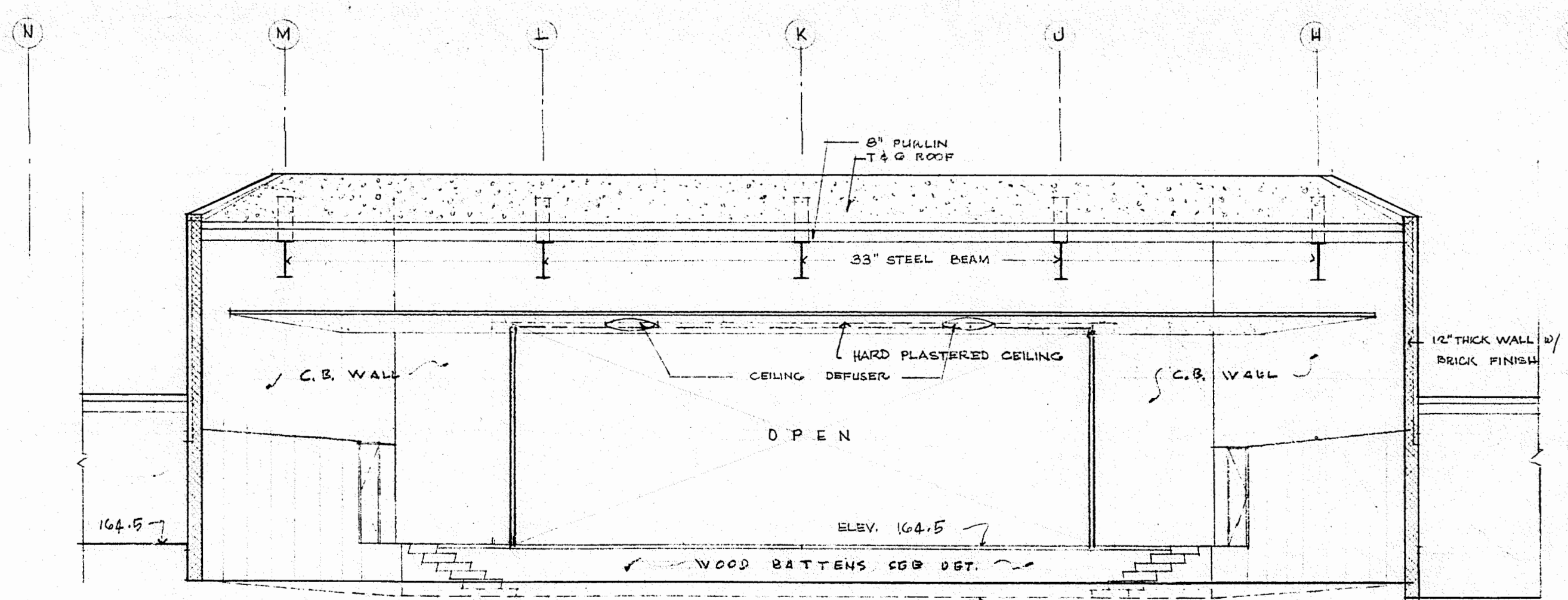
ELEVATION .10.  
SCALE  $\frac{1}{8}'' = 1'-0''$



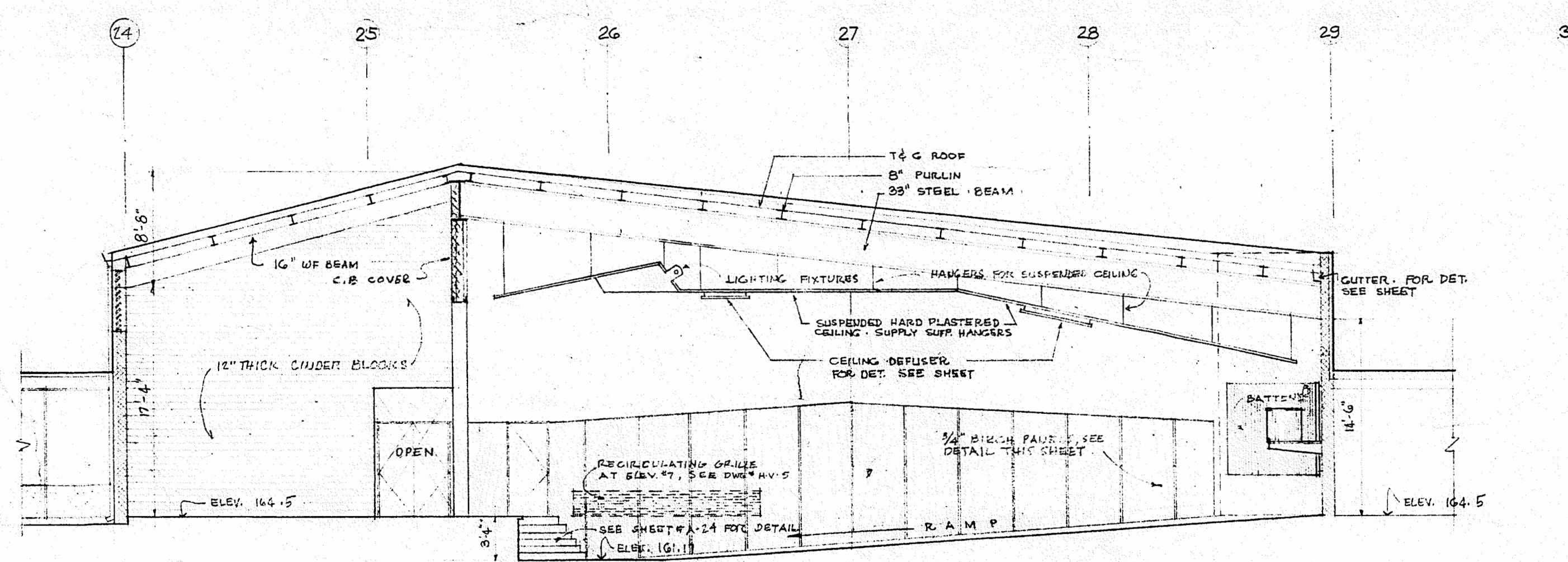
ELEVATION .11.  
SCALE  $\frac{1}{8}'' = 1'-0''$



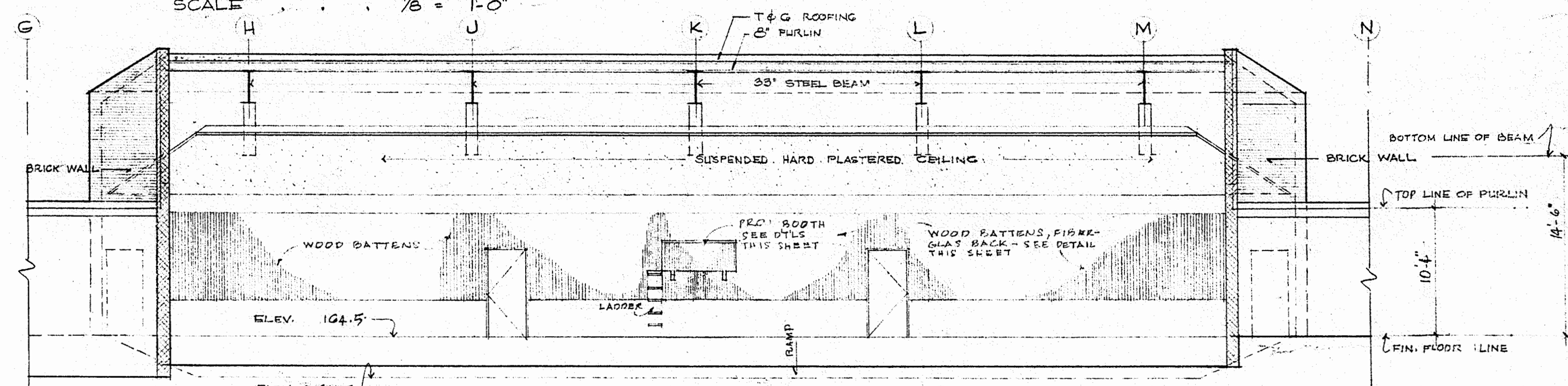
ELEVATION .12.  
SCALE  $\frac{1}{8}'' = 1'-0''$



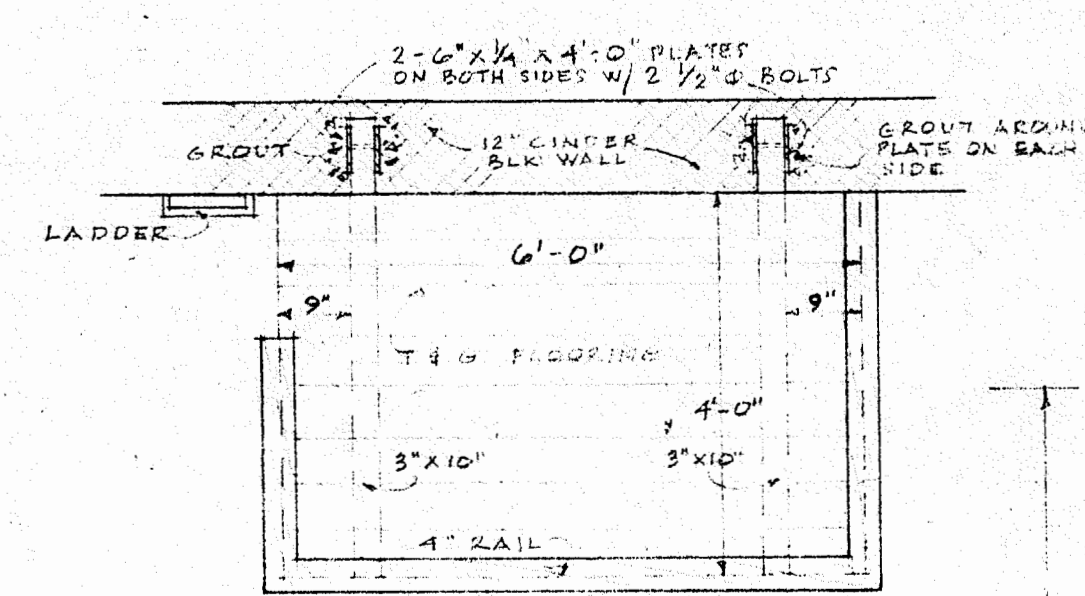
ELEVATION .5.  
SCALE  $\frac{1}{8}'' = 1'-0''$



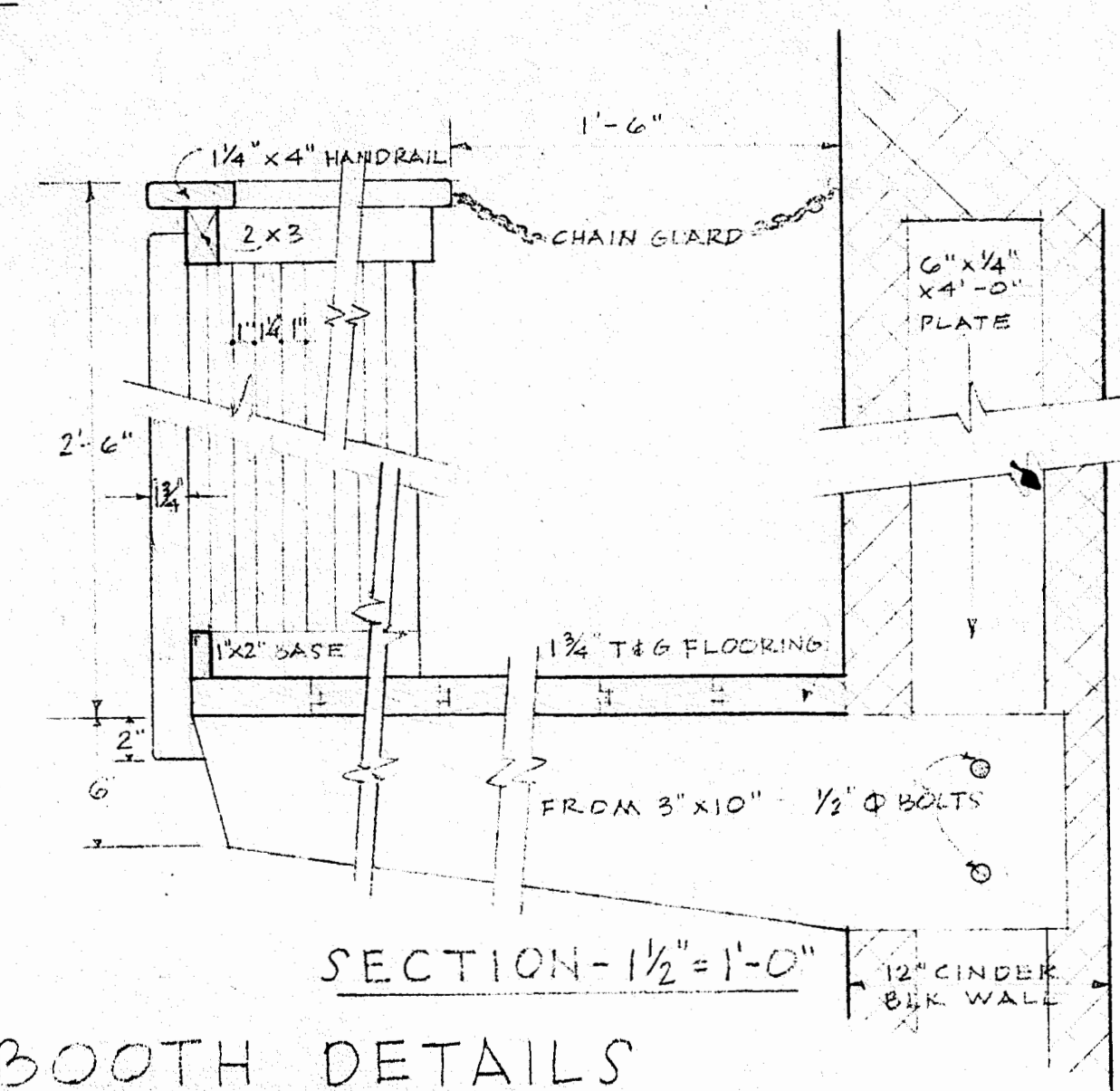
TYP. ELEVATION .6 and .7.  
SCALE  $\frac{1}{8}'' = 1'-0''$



ELEVATION .8.  
SCALE  $\frac{1}{8}'' = 1'-0''$

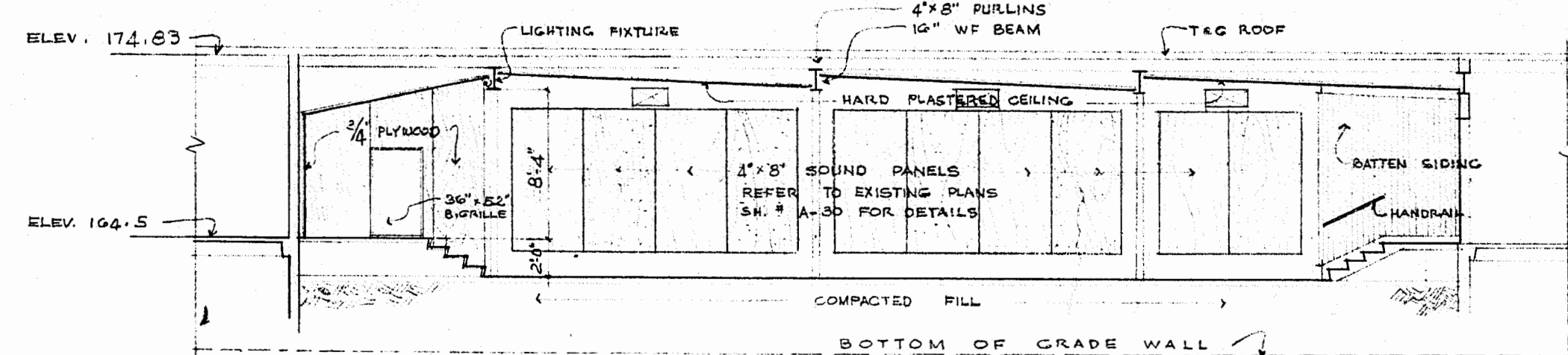


PLAN

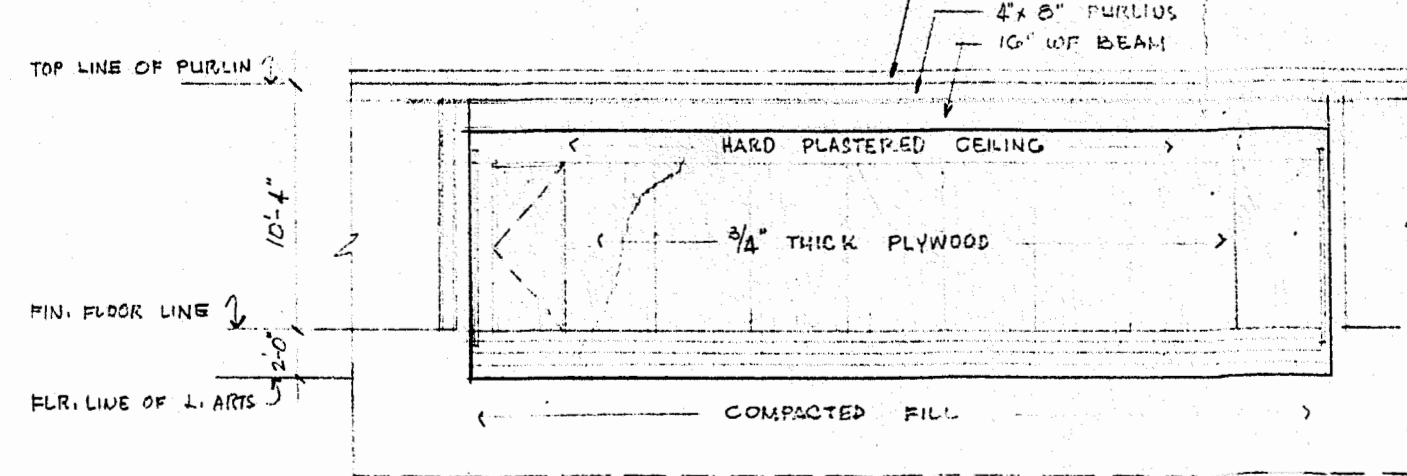


SECTION - 1 1/2\"/>

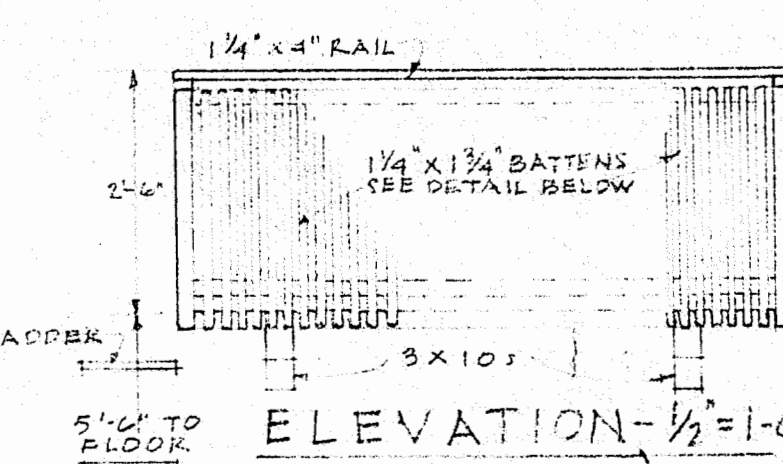
PROJ. BOOTH DETAILS  
SCALE AS SHOWN



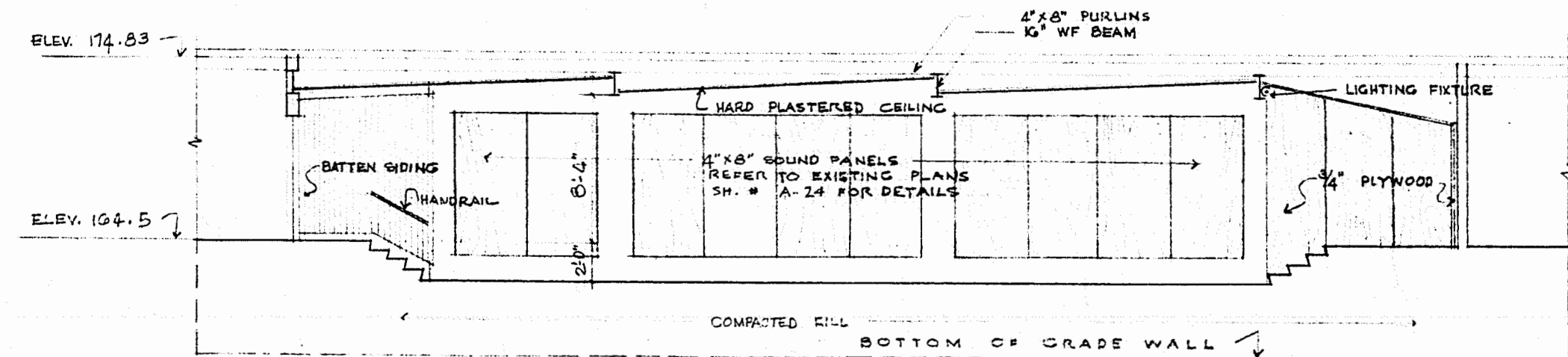
ELEVATION .1.  
SCALE  $\frac{1}{8}'' = 1'-0''$



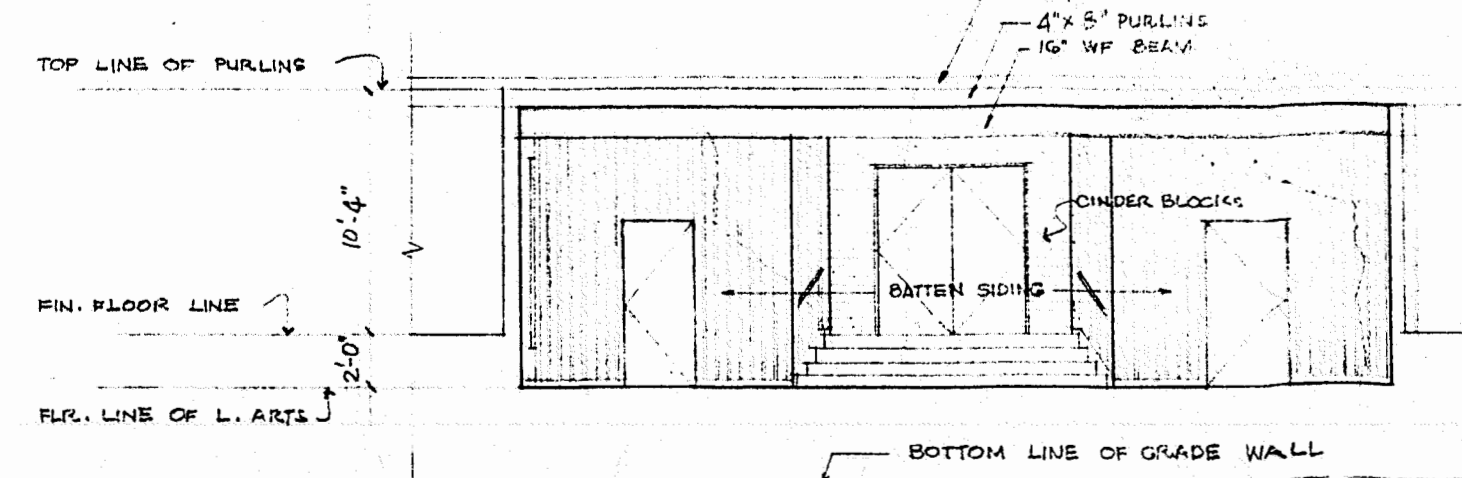
ELEVATION .3.  
SCALE  $\frac{1}{8}'' = 1'-0''$



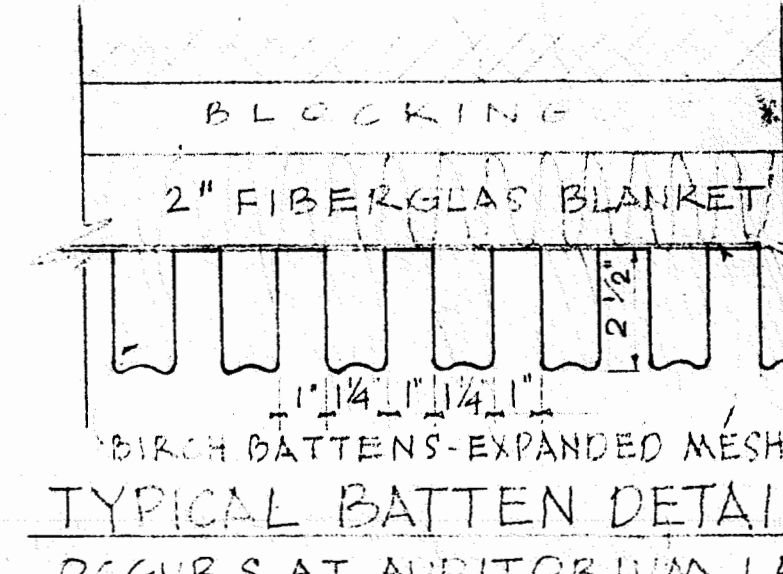
ELEVATION - 1/2\"/>



ELEVATION .2.  
SCALE  $\frac{1}{8}'' = 1'-0''$



ELEVATION .4.  
SCALE  $\frac{1}{8}'' = 1'-0''$



TYPICAL BATTEN DETAILS  
SCALE  $\frac{3}{8}'' = 1'-0''$

REFLECTED PLAN OF AUDITORIUM ETC.

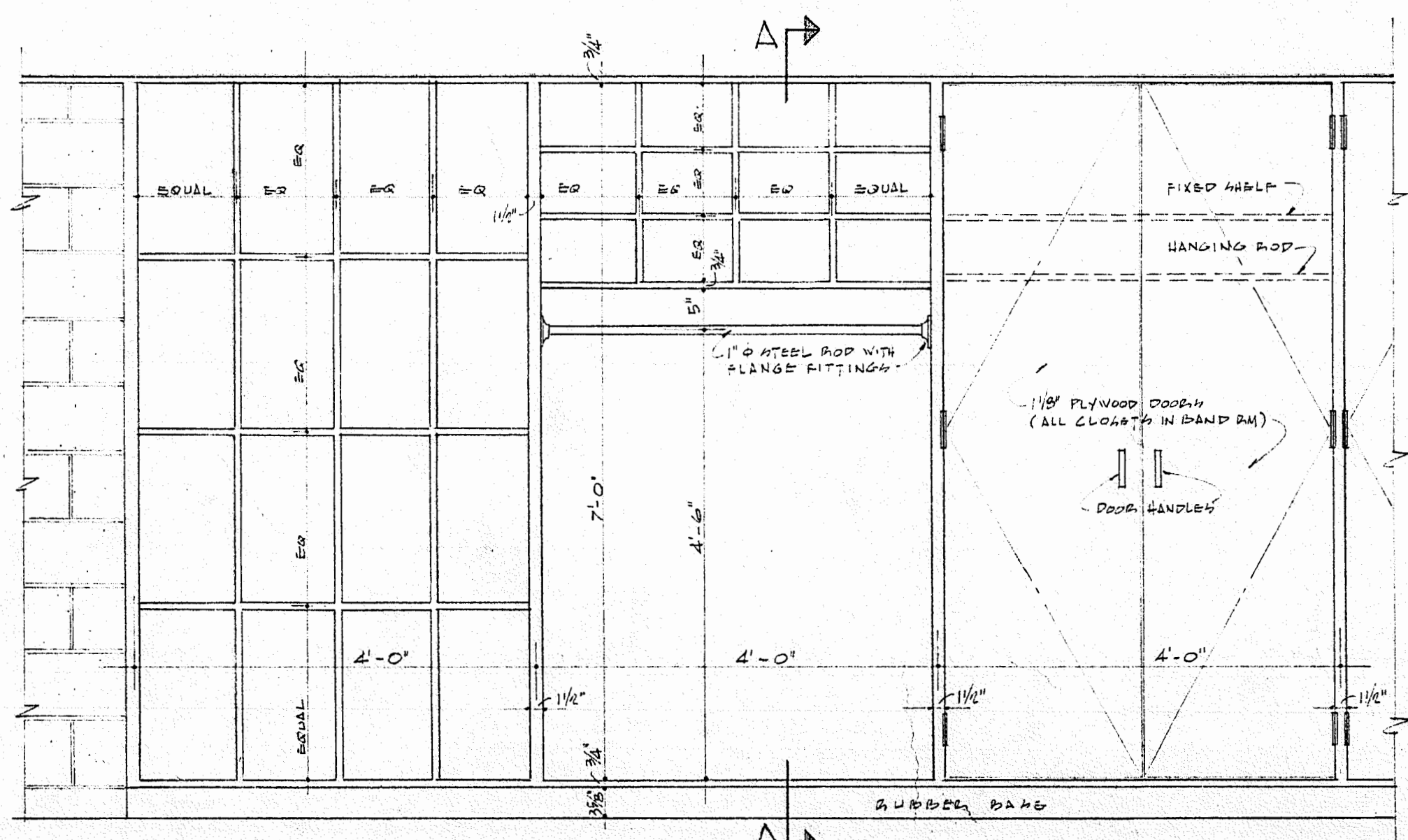
FRAMINGHAM HIGH SCHOOL  
FLAGG DRIVE  
FRAMINGHAM, MASSACHUSETTS

SAMUEL GLASER ASSOCIATES  
ARCHITECTS & ENGINEERS  
100 STATE STREET, BOSTON, MASS.

DRAWN BY: L.H.C. DATE: MAY 25, 1956 JOB No. 5608  
CHECKED BY: L.T.S. APPROVED BY: [Signature]

DRAWING No. **A-23**

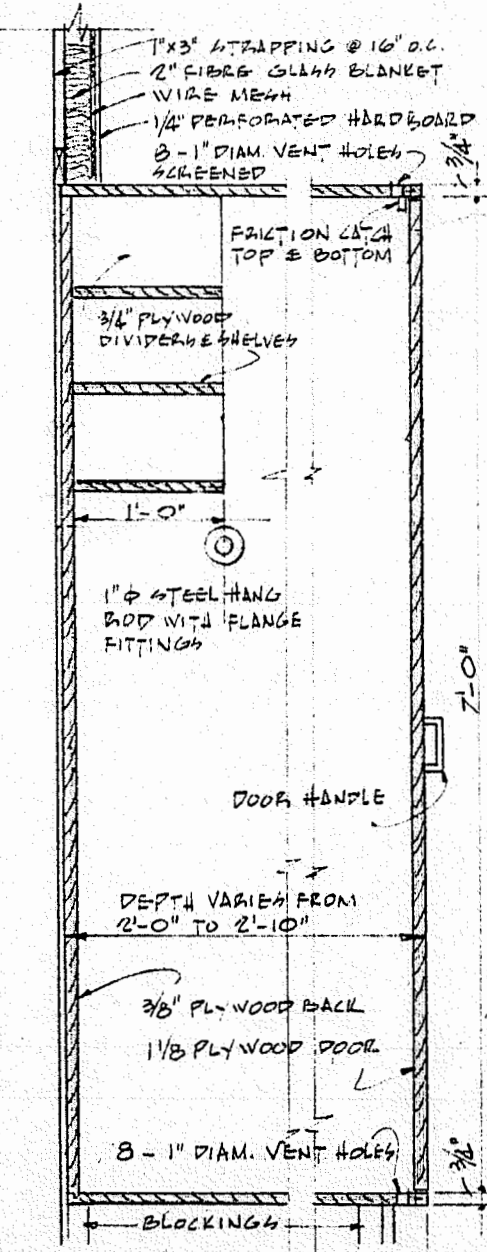




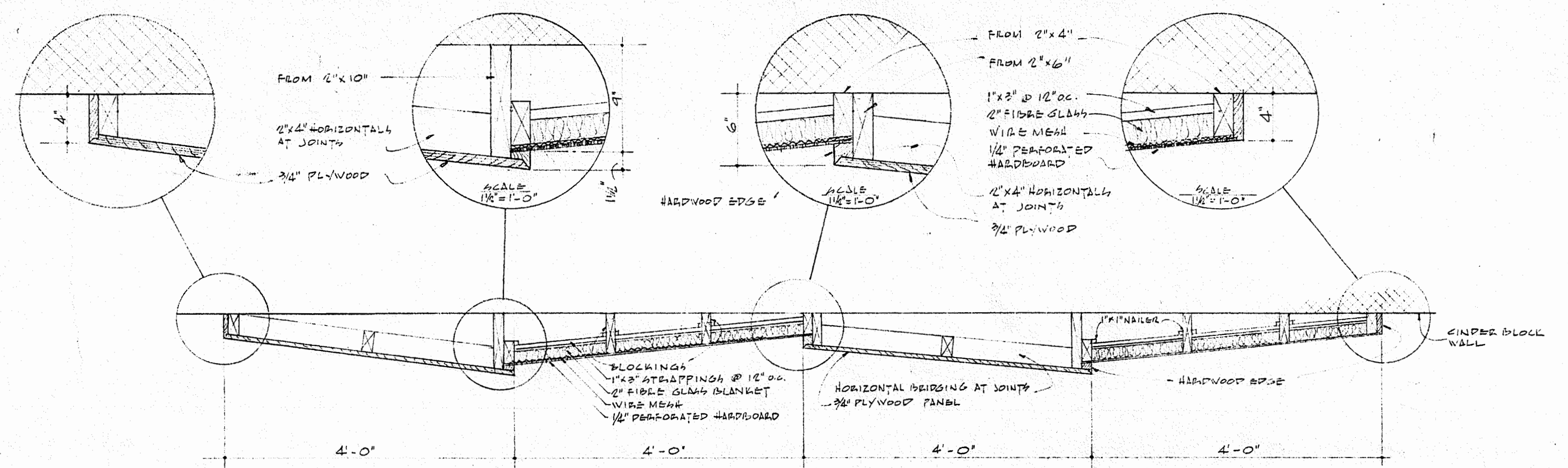
NOTE: DOOR IS OMITTED TO SHOW INTERIOR

PARTIAL ELEVATION OF STORAGE UNITS - BAND RM.

SCALE 3/4" = 1'-0"

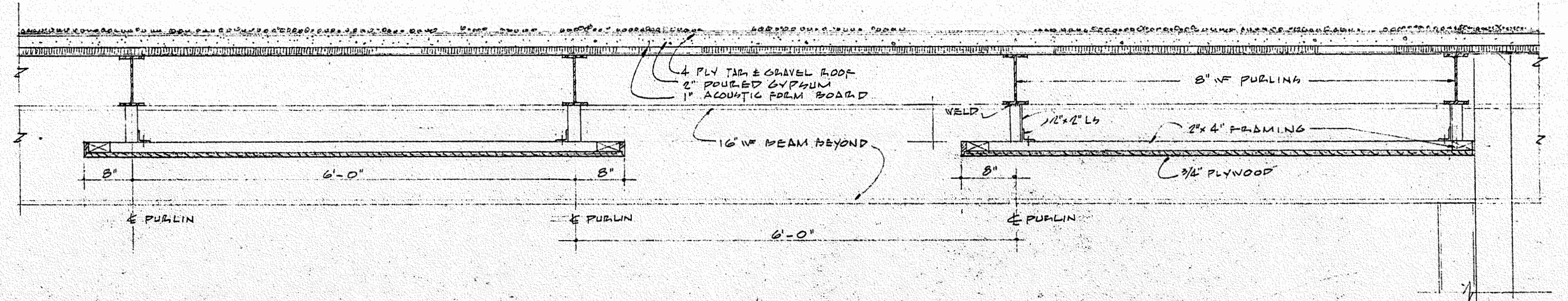


SECTION A-A



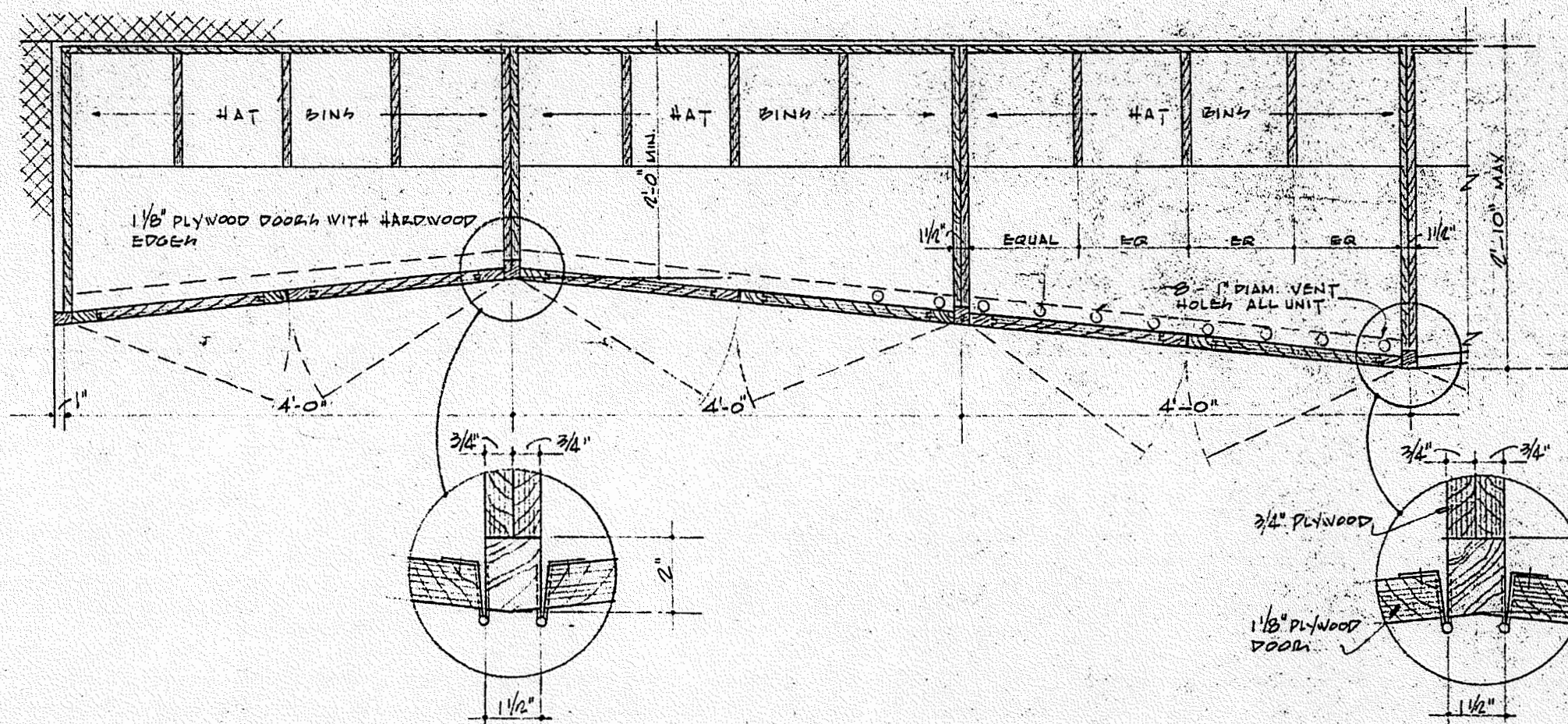
PLAN OF ACOUSTIC PANEL - BAND ROOM

SCALE 3/4" = 1'-0"



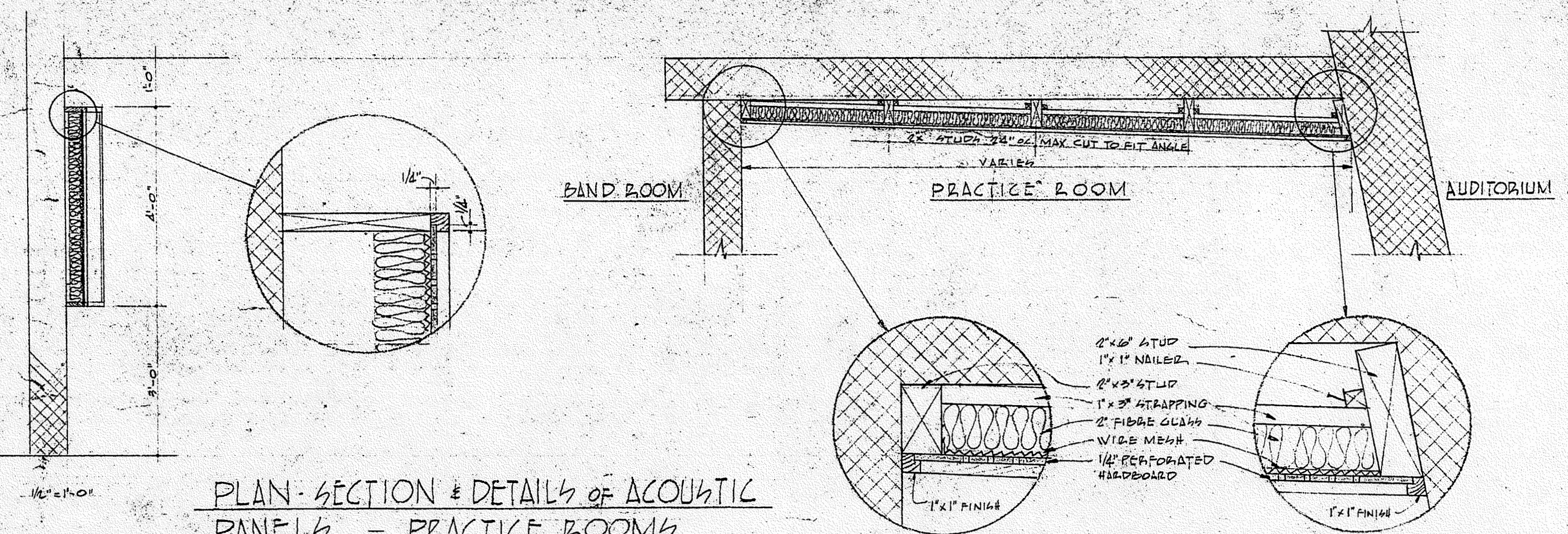
TYPICAL SECTION THRU CEILING - BAND RM.

SCALE 3/4" = 1'-0"



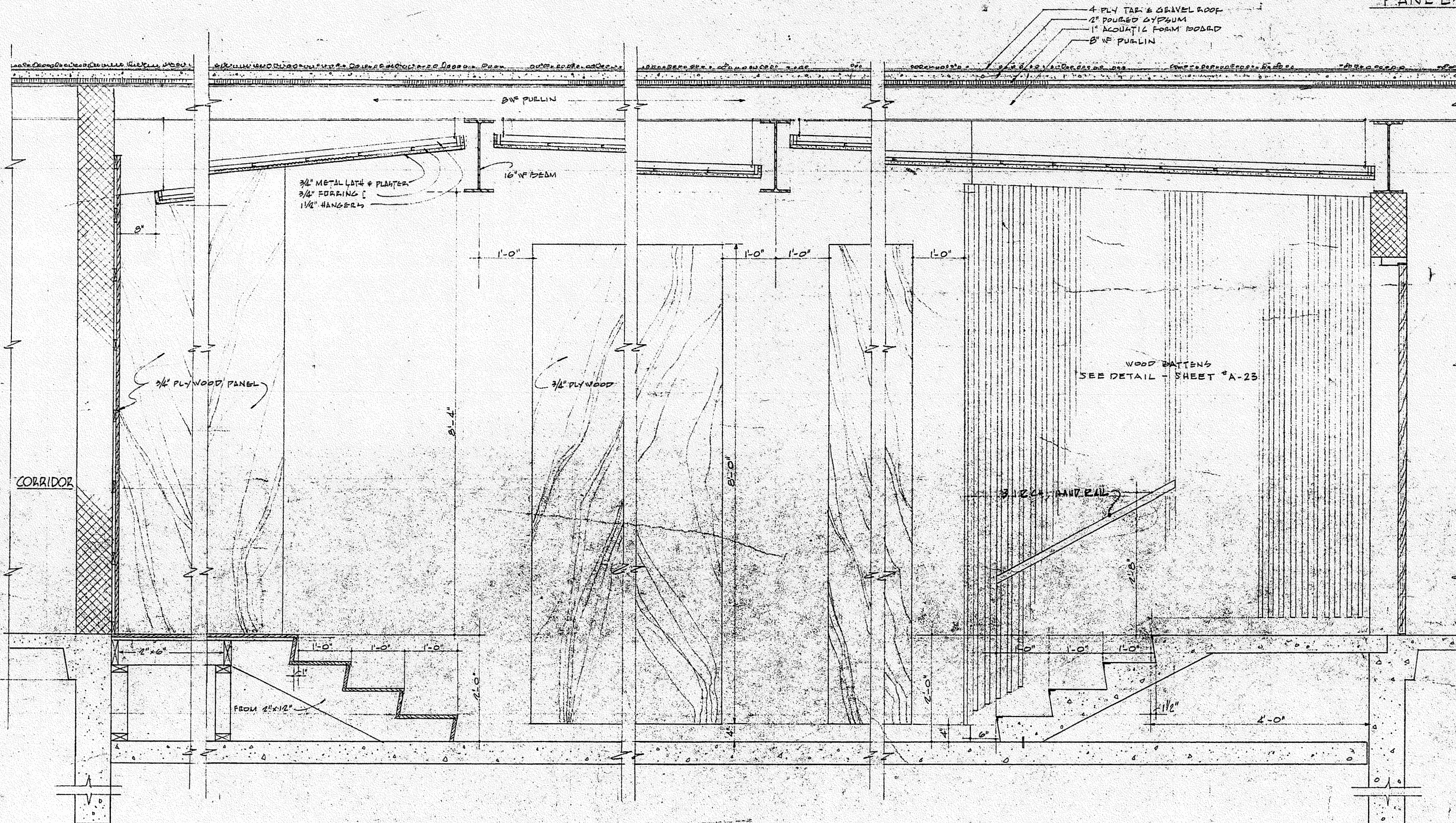
PARTIAL PLAN OF STORAGE UNITS - BAND RM.

SCALE 3/4" = 1'-0"



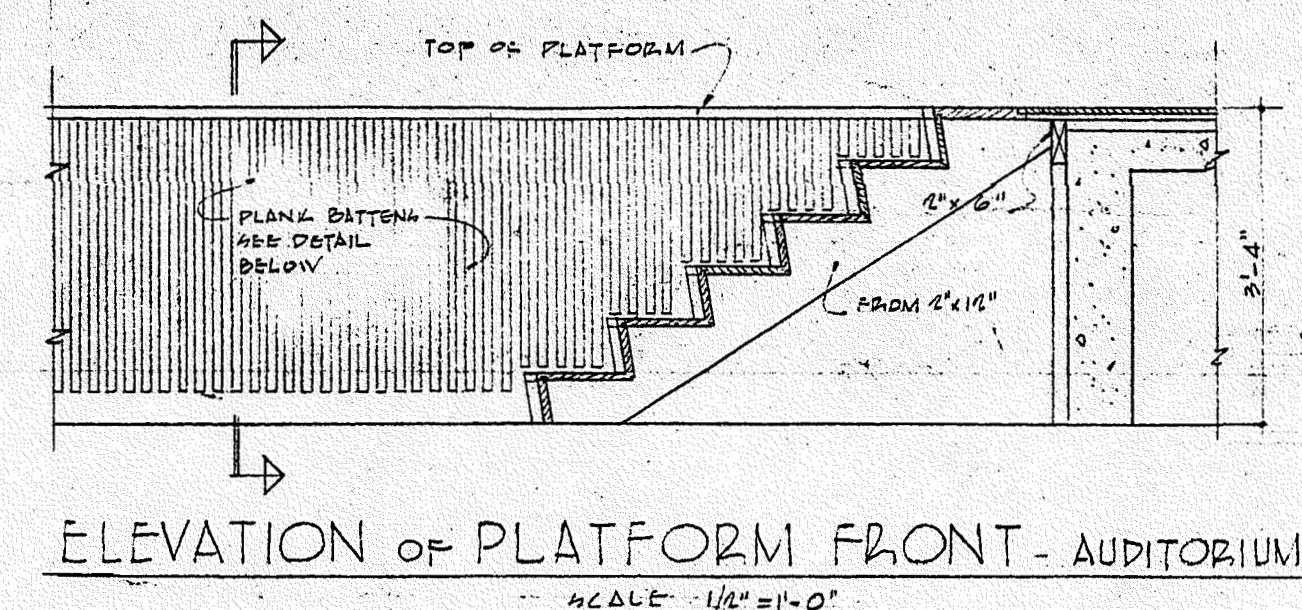
PLAN, SECTION & DETAILS OF ACOUSTIC PANELS - PRACTICE ROOMS

SCALE 3/4" = 1'-0"



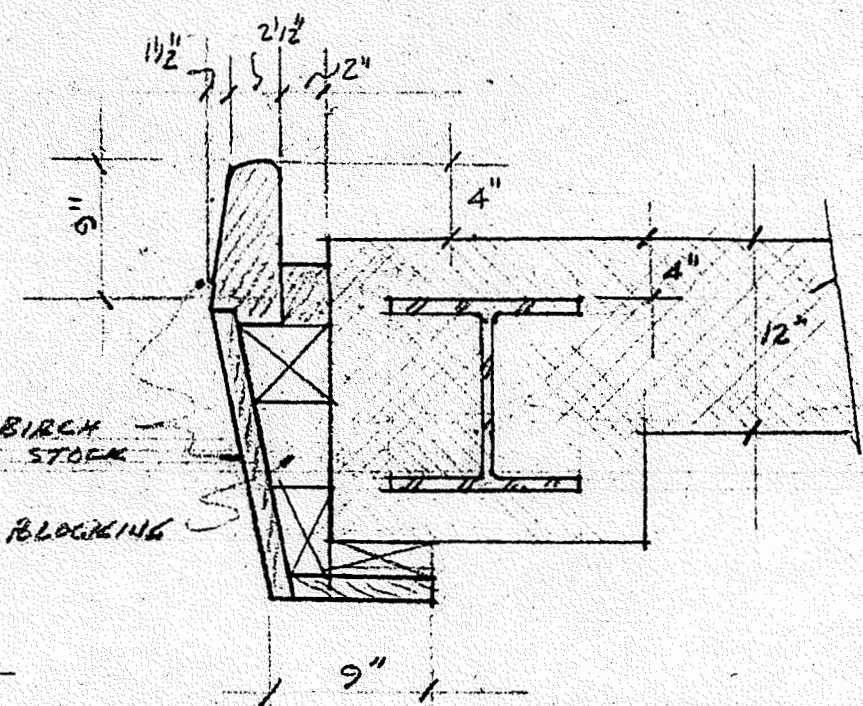
DETAIL SECTION THRU LANGUAGE ARTS CLASS ROOM

SCALE 3/8" = 1'-0"



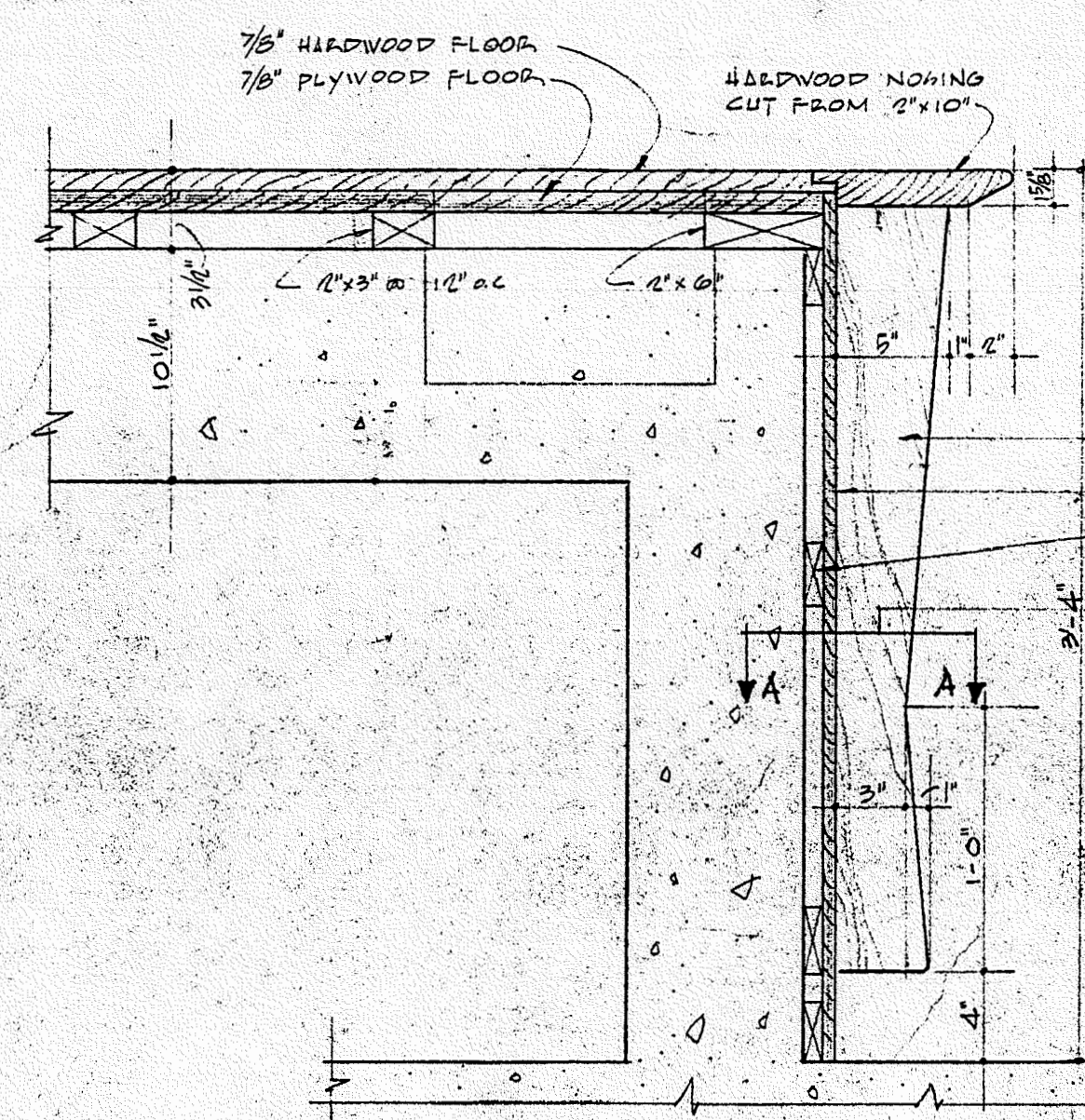
ELEVATION OF PLATFORM FRONT - AUDITORIUM

SCALE 1/4" = 1'-0"



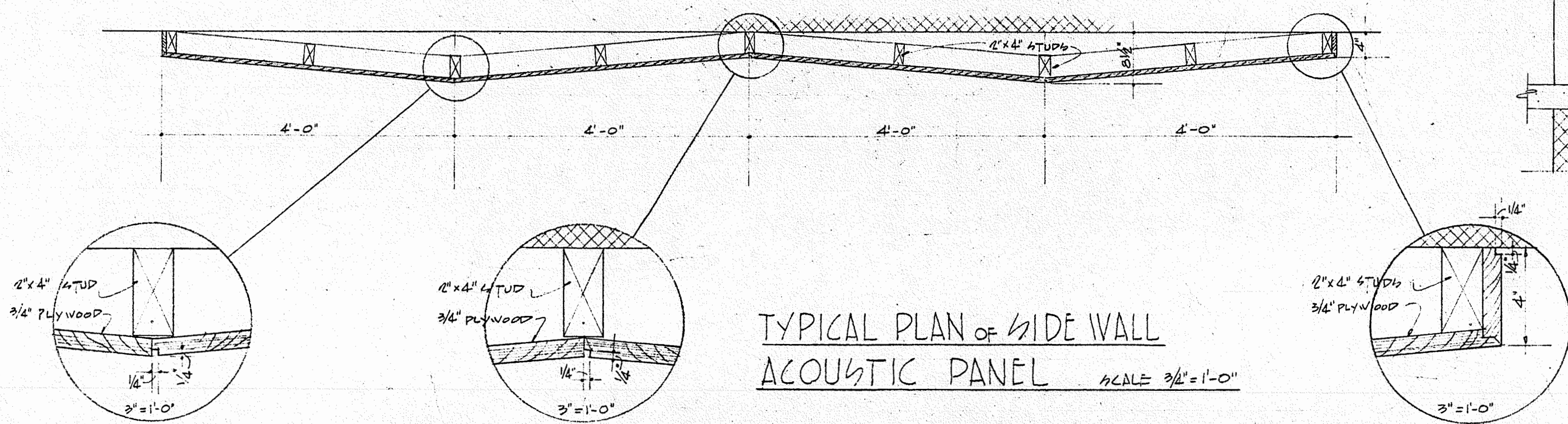
TYPICAL JAMB DETAIL AT PROSCENIUM HEAD SIMILAR

SCALE 1" = 1'-0"



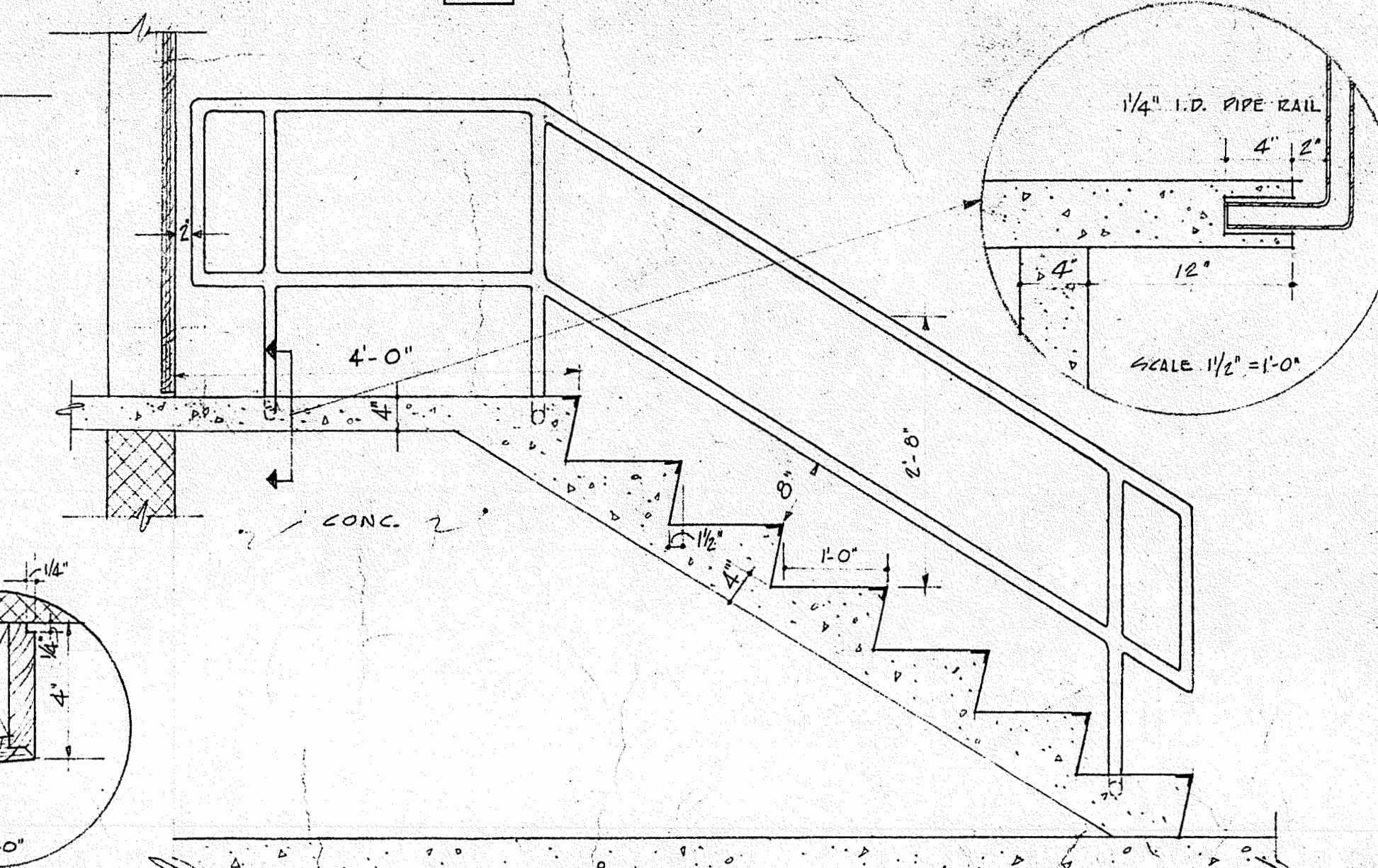
SECTION

SCALE 1/2" = 1'-0"



TYPICAL PLAN OF SIDE WALL ACOUSTIC PANEL

SCALE 3/4" = 1'-0"



STAIR DETAIL SECTION THRU BAND PRACTICE

SCALE 3/4" = 1'-0"

**BAND PRACTICE, AUDITORIUM, & LANGUAGE ARTS ROOM DETAILS.**

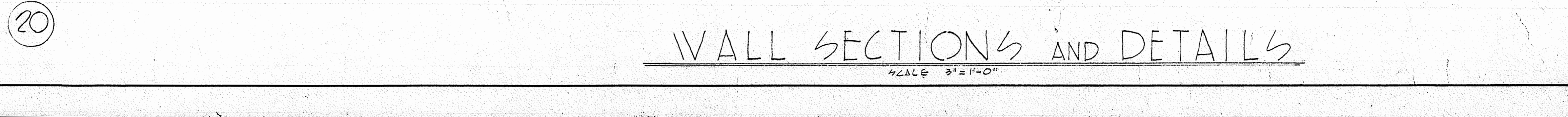
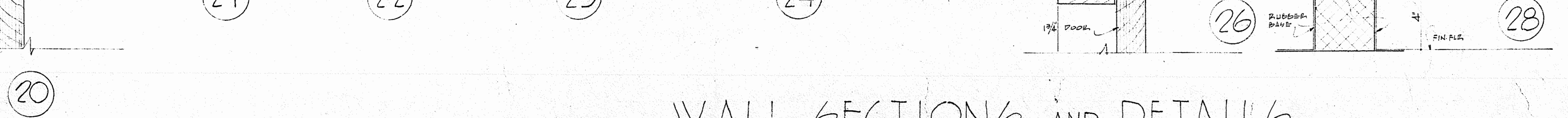
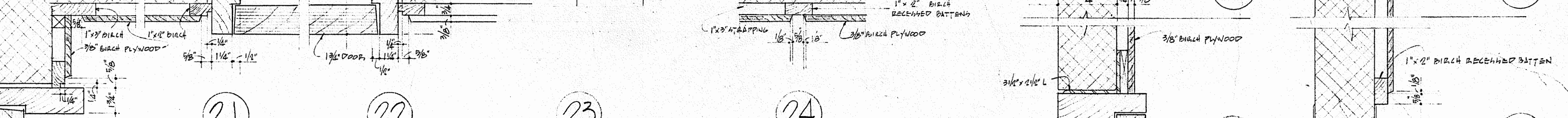
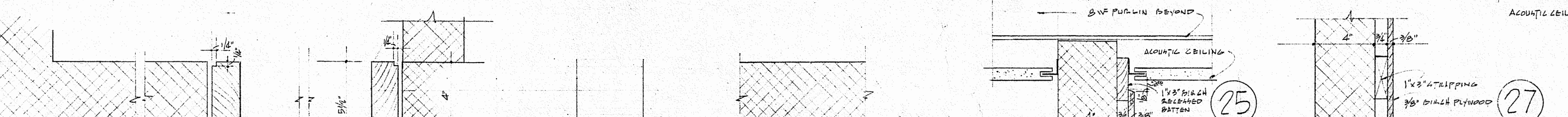
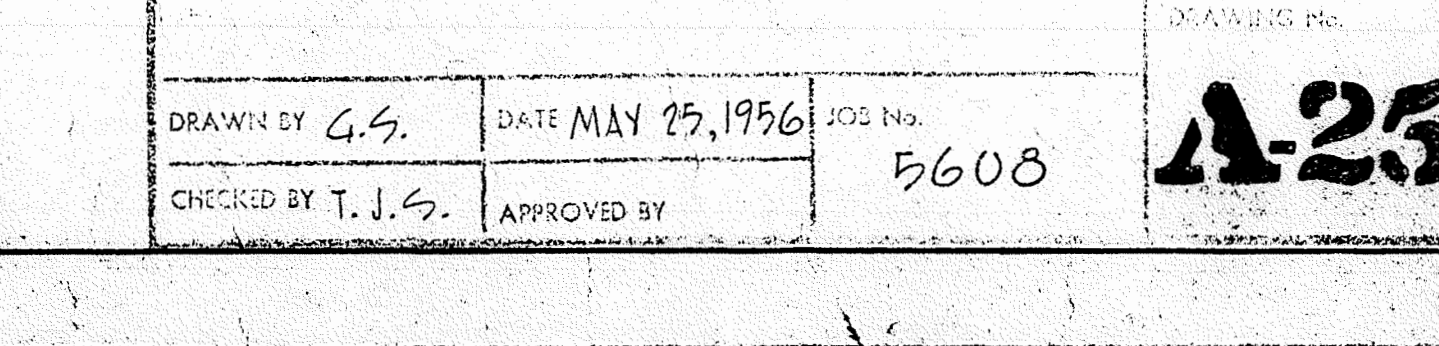
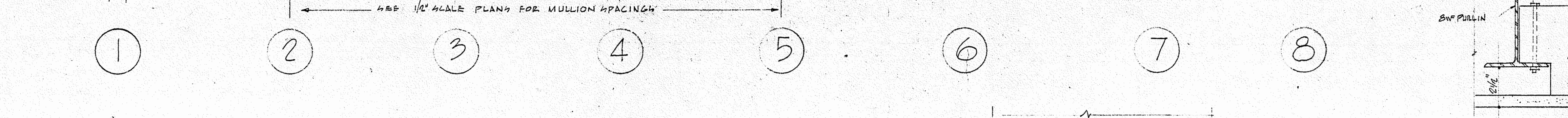
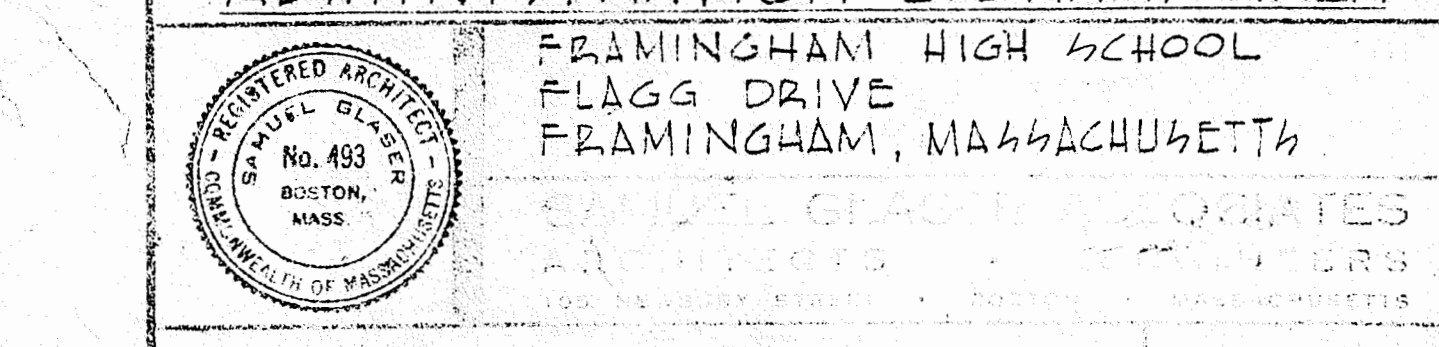
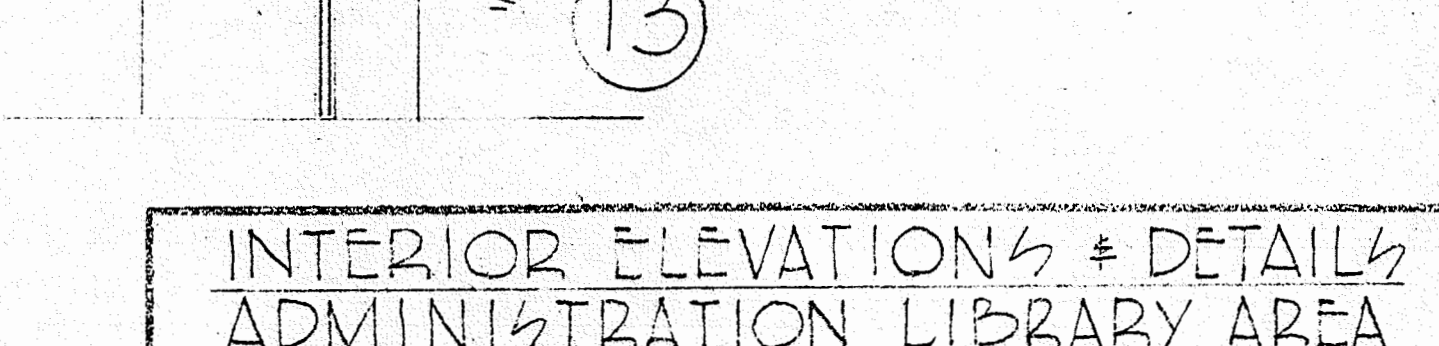
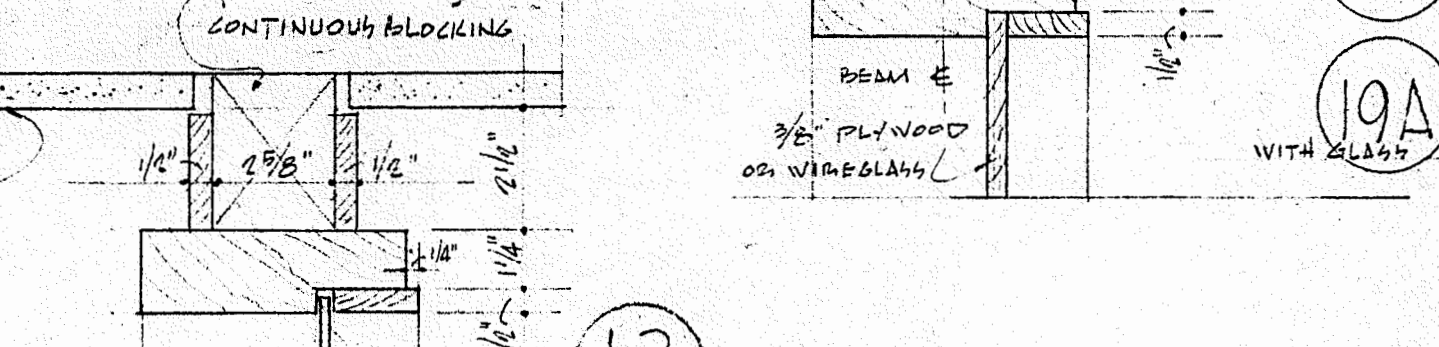
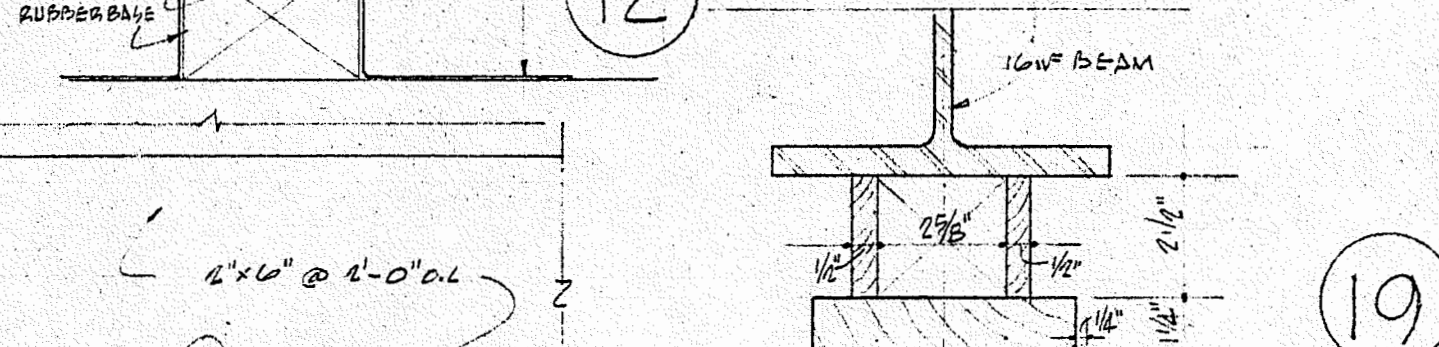
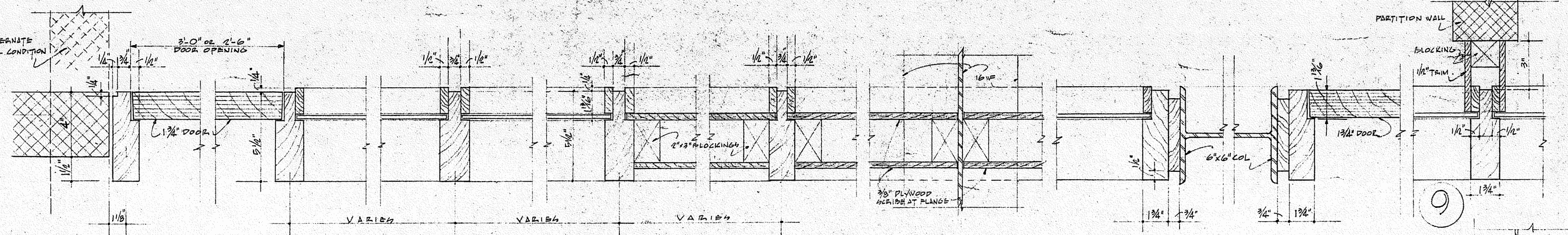
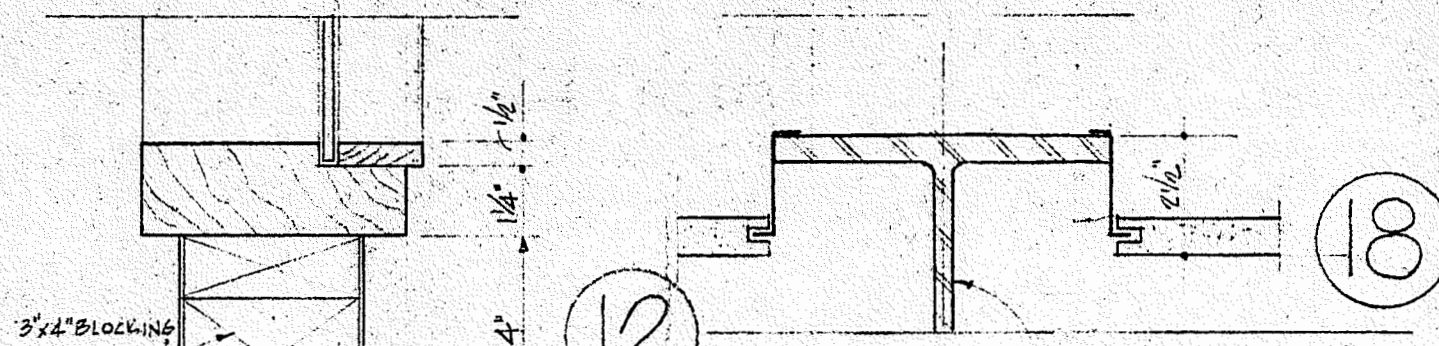
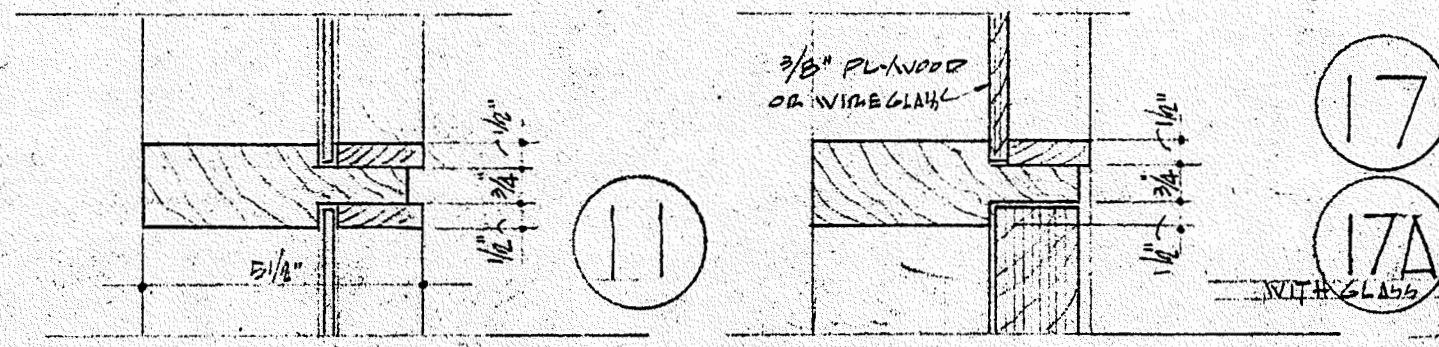
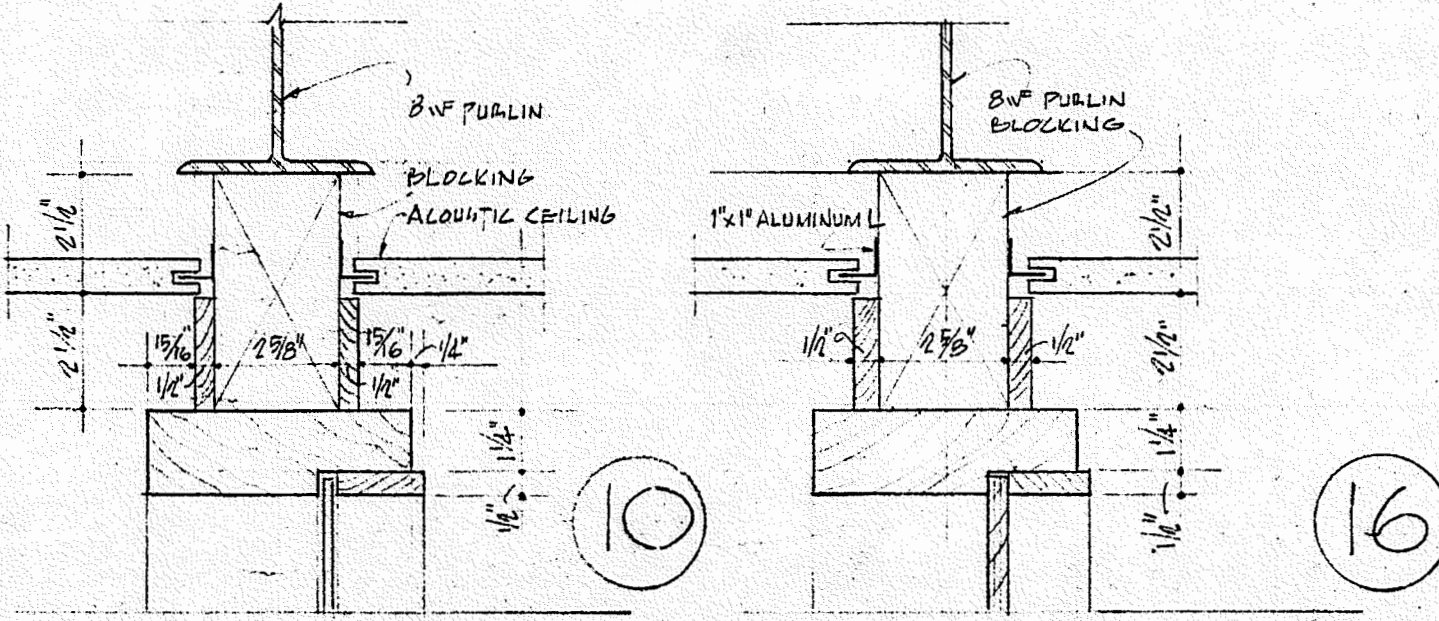
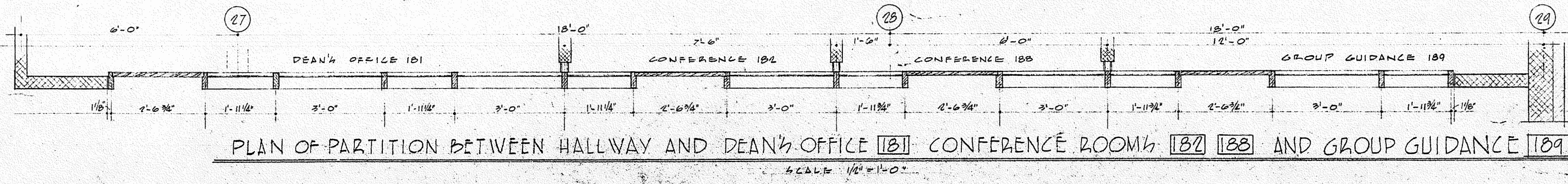
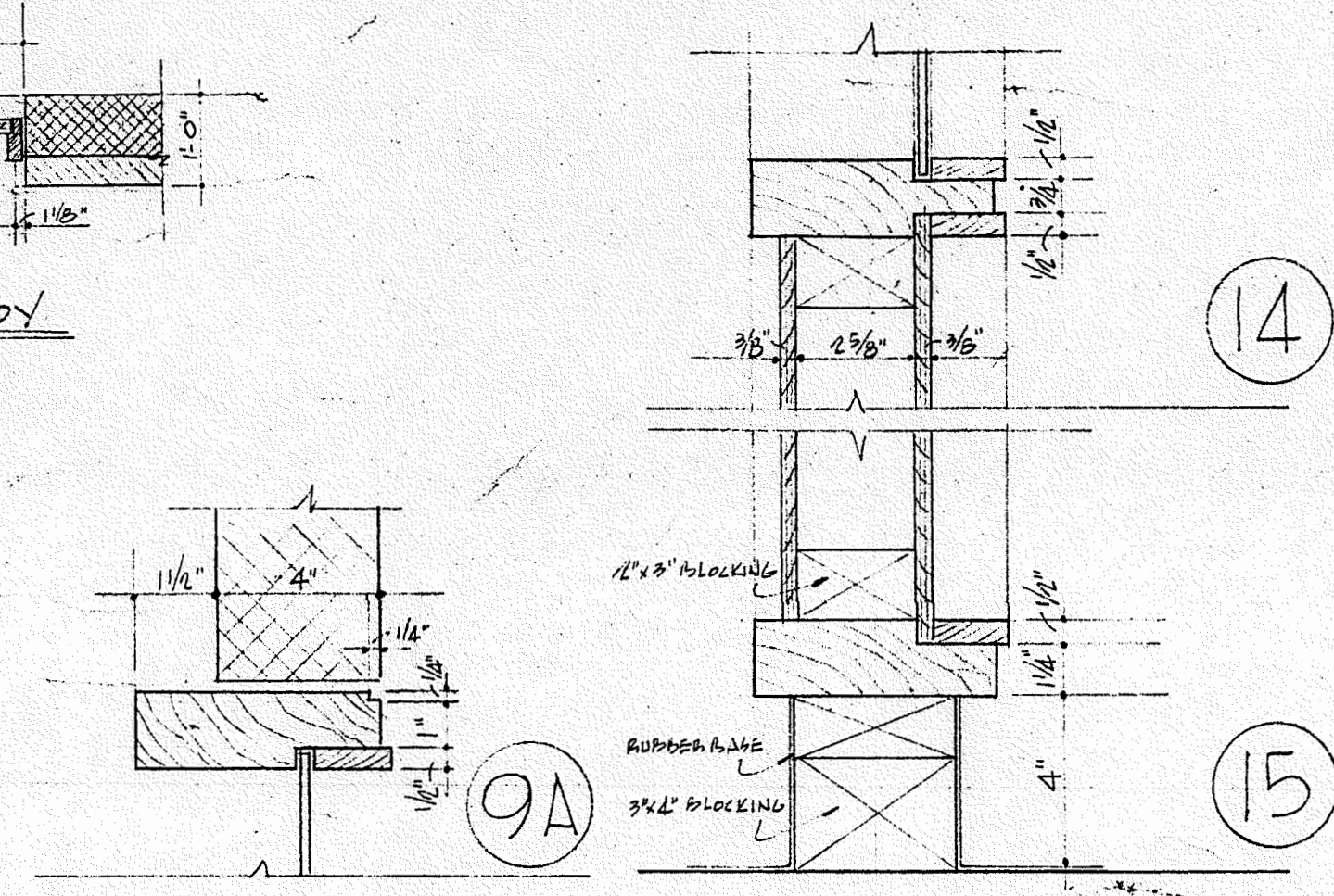
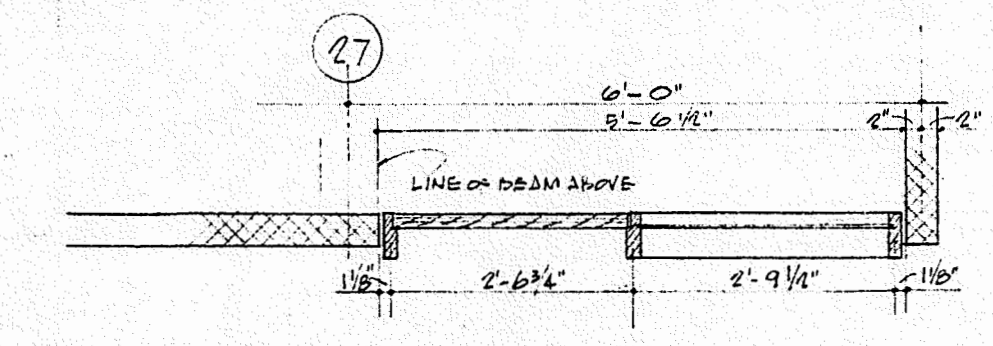
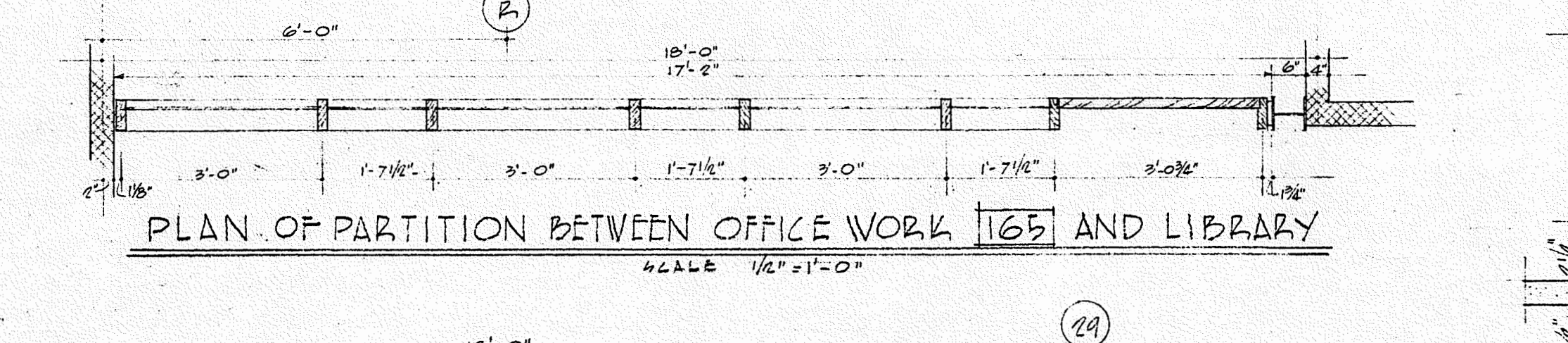
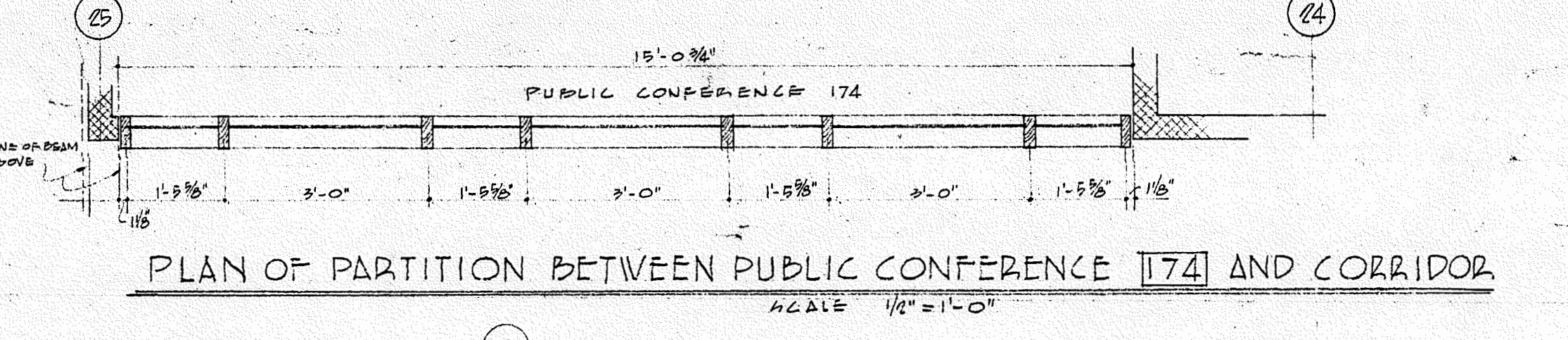
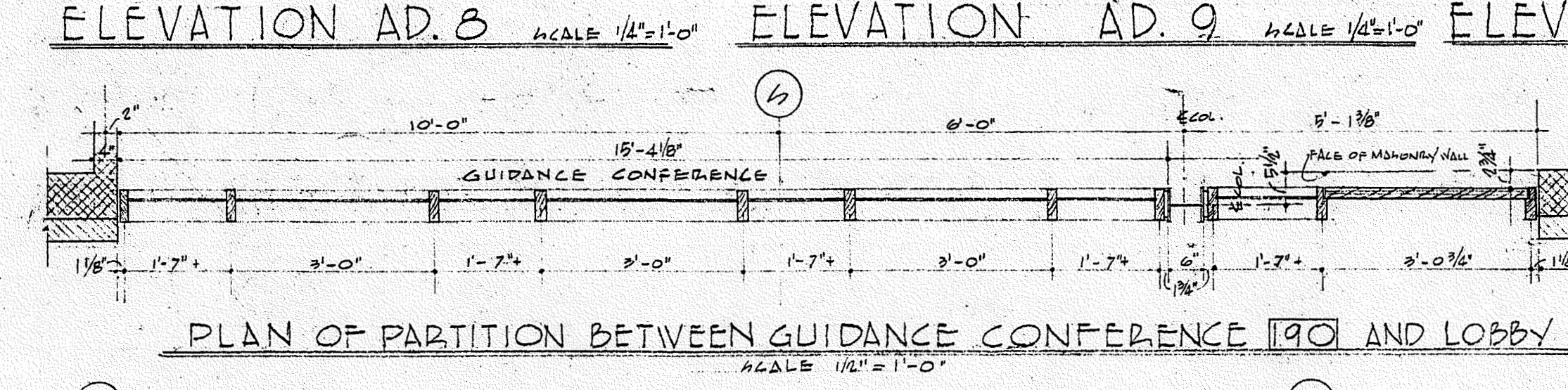
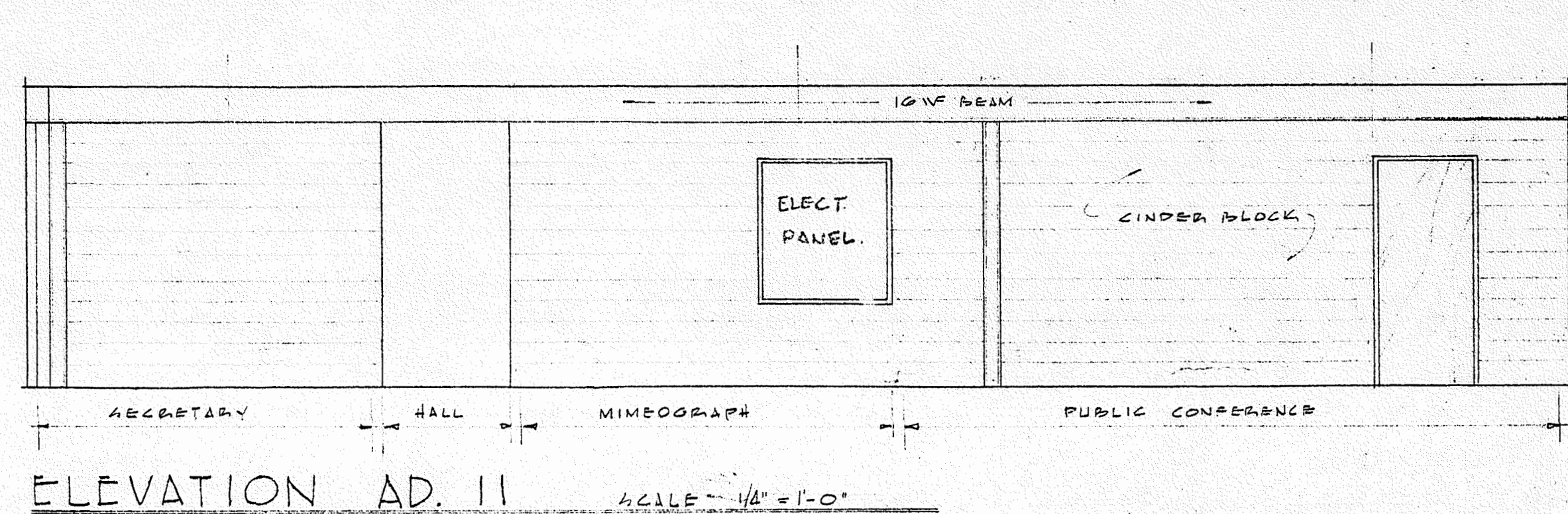
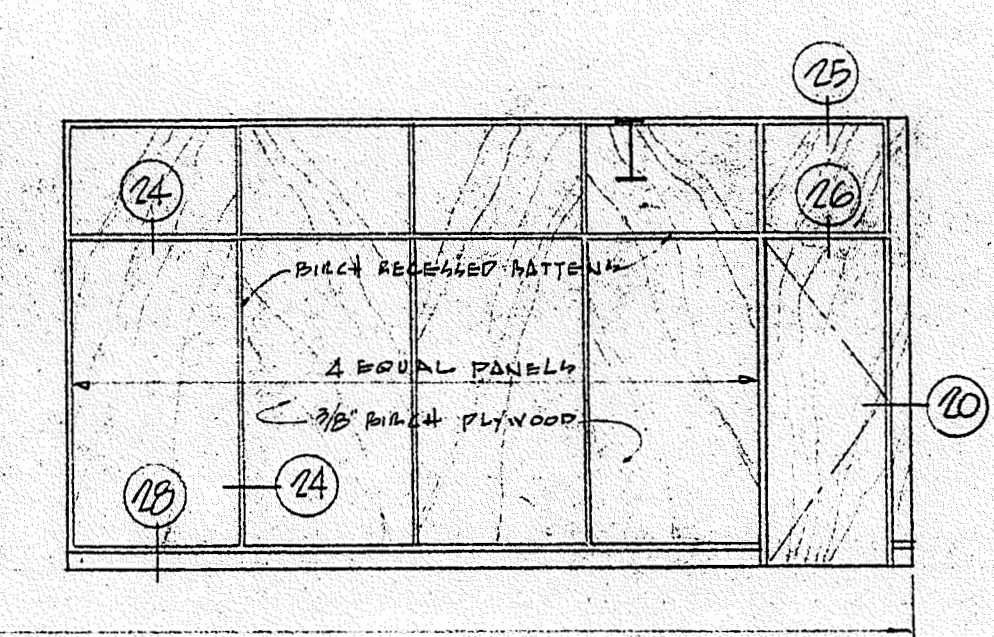
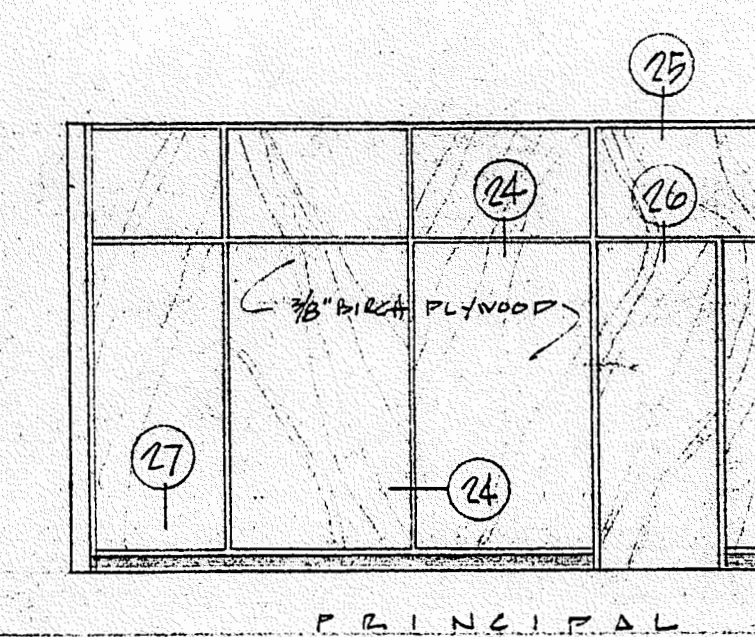
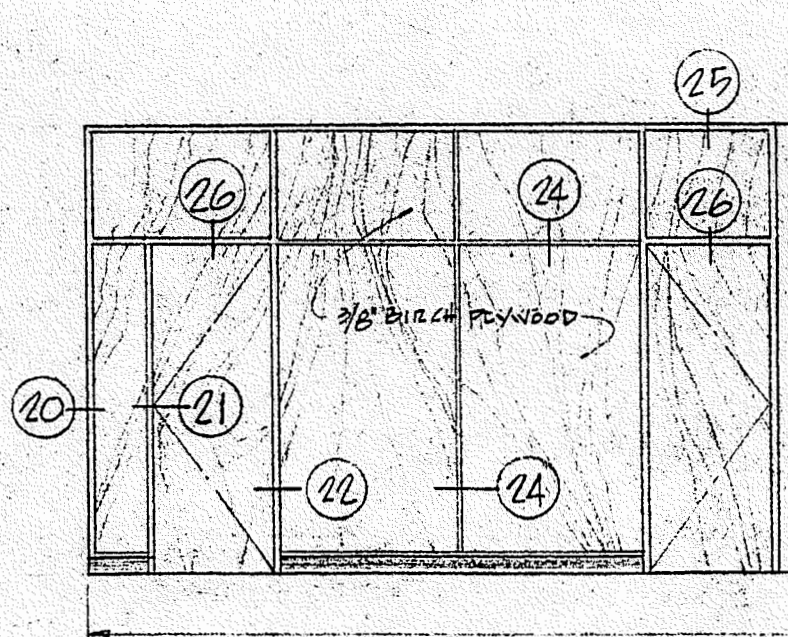
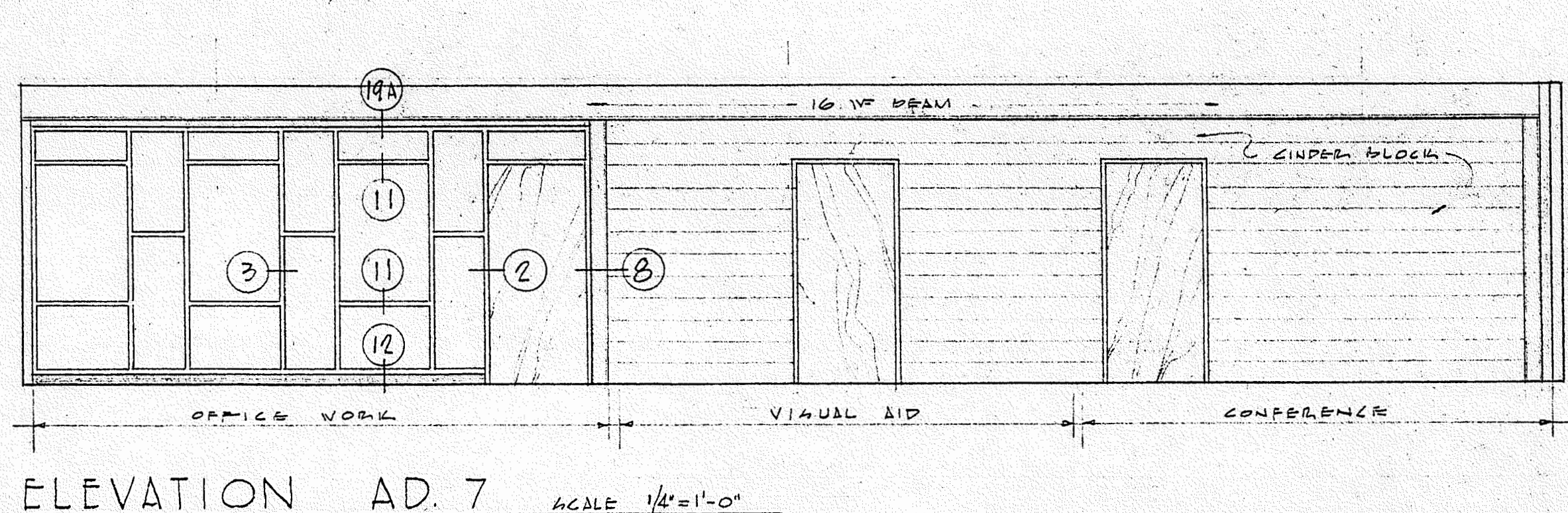
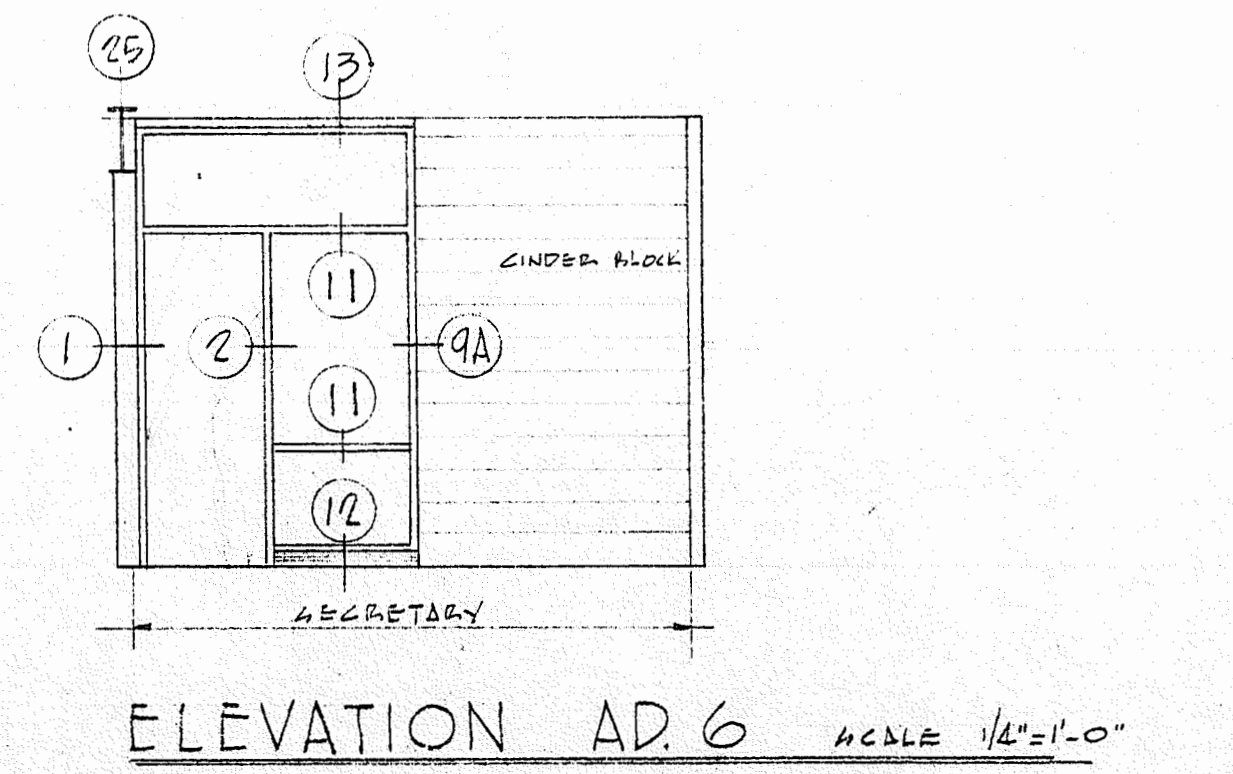
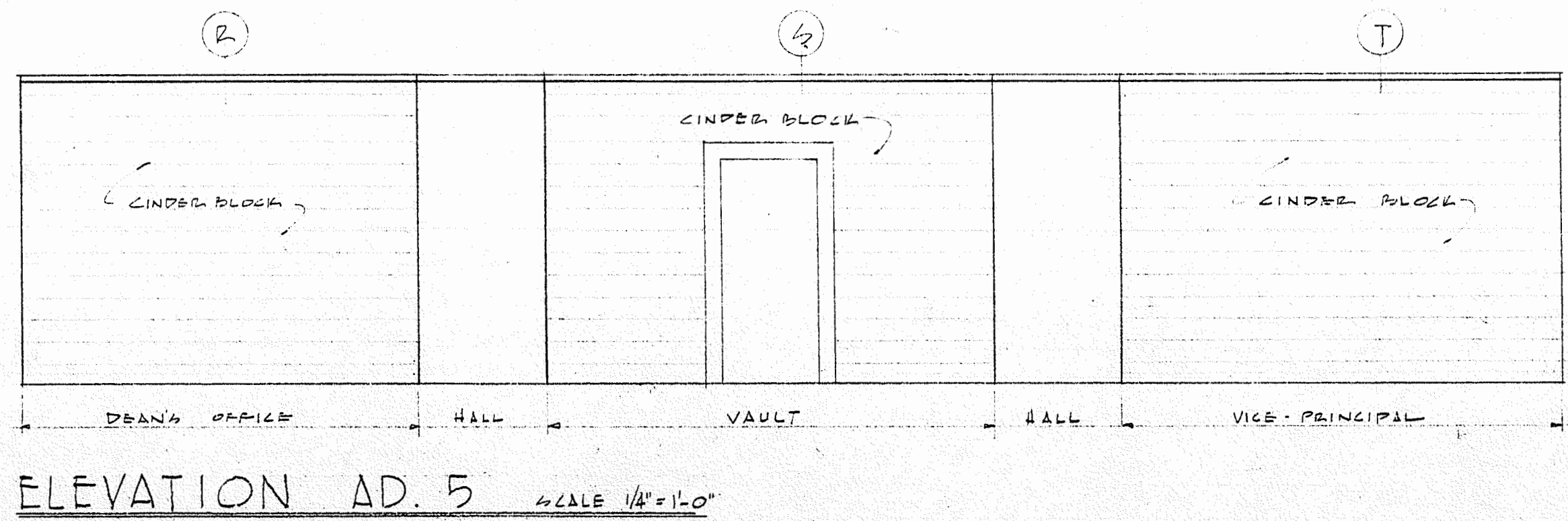
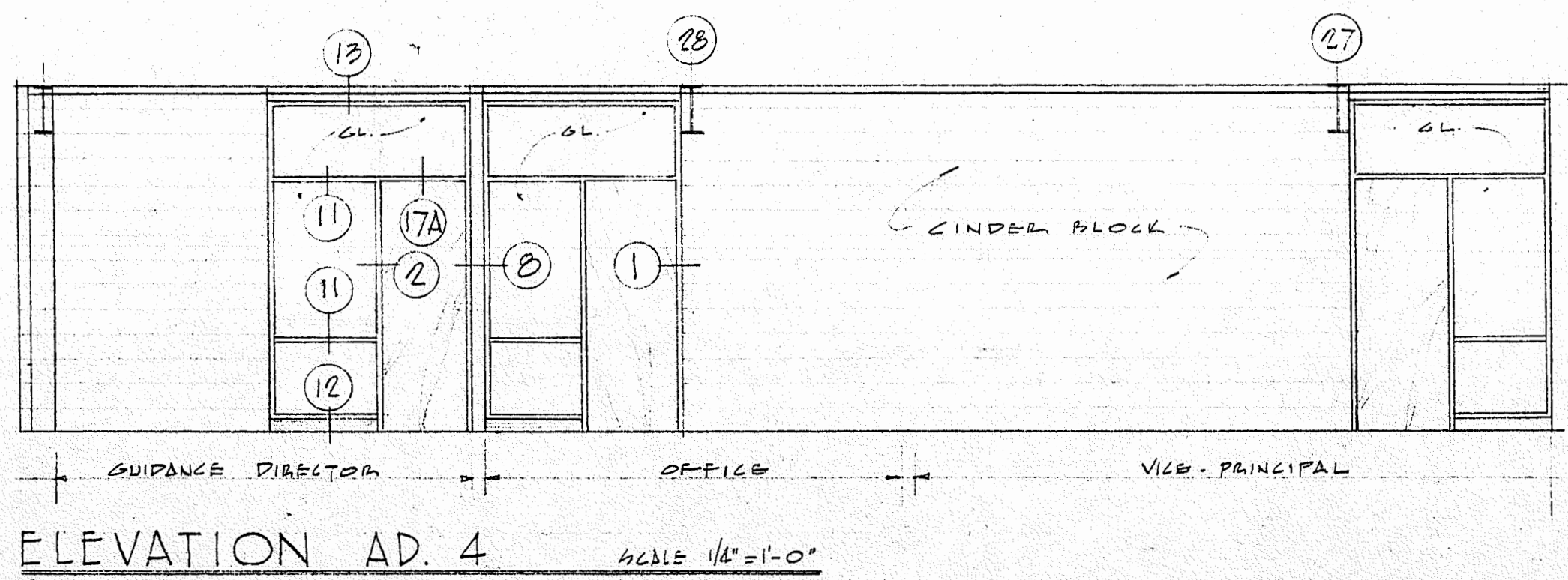
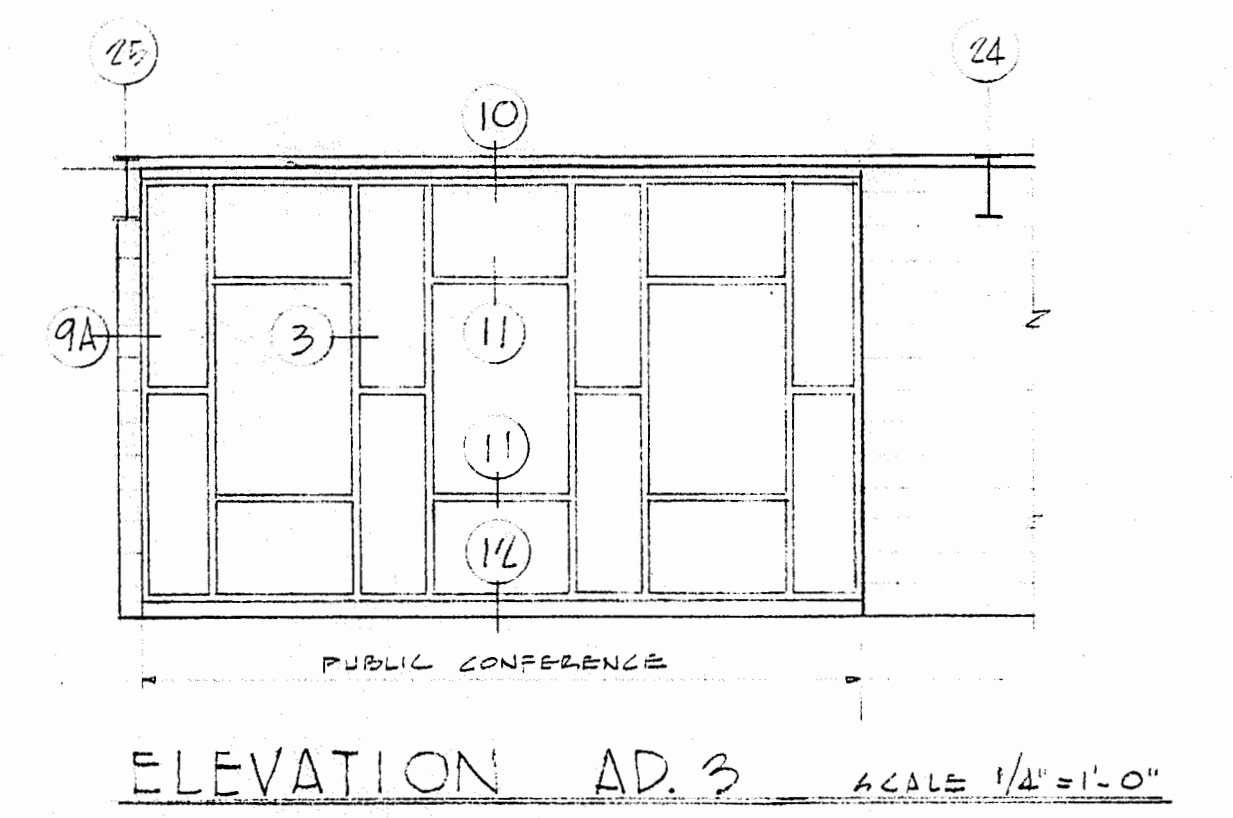
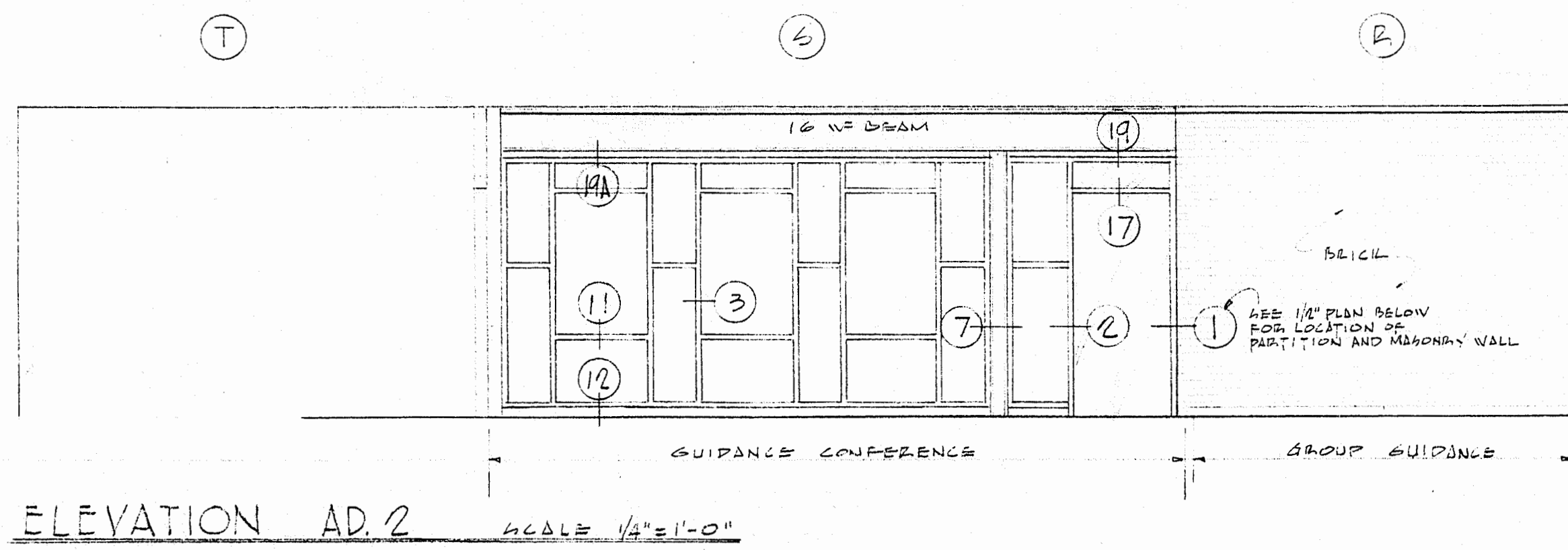
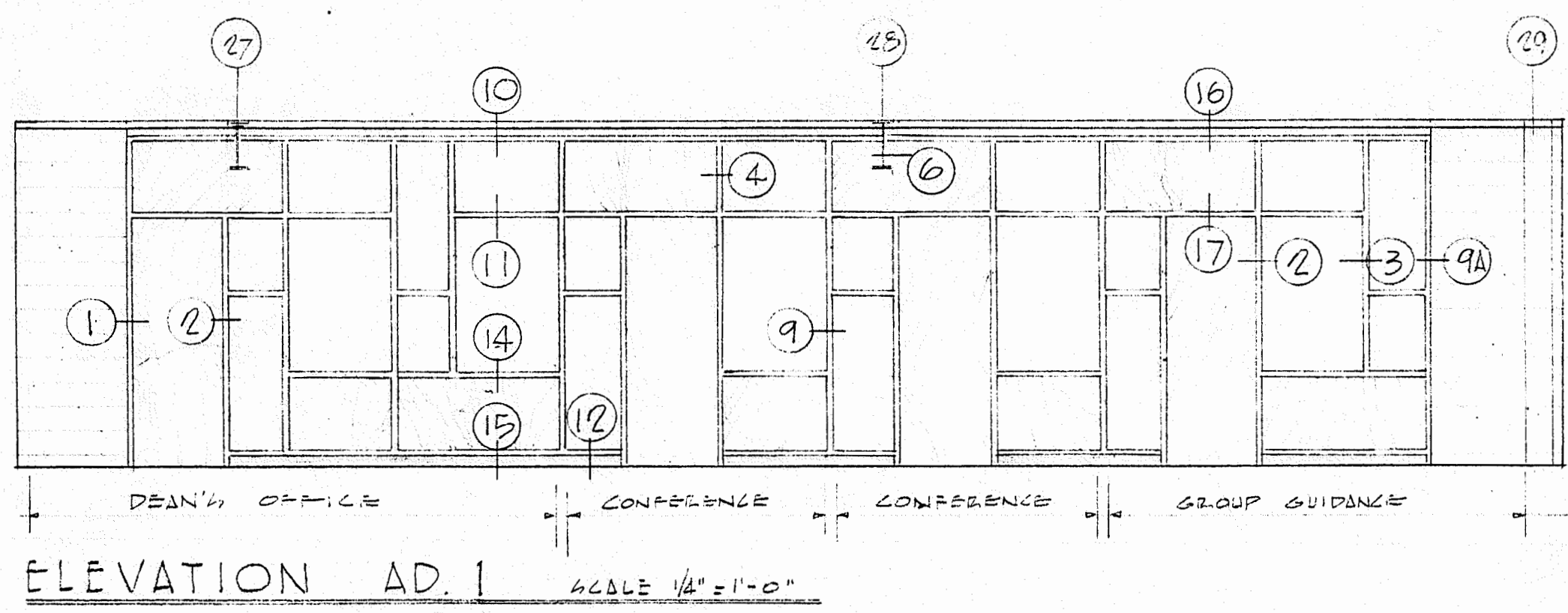
REGISTERED ARCHITECT  
 SAMUEL GLASER  
 No. 493  
 BOSTON  
 MASS.  
 ARCHITECTS & ENGINEERS

FARMINGHAM HIGH SCHOOL  
 FLAGG DRIVE  
 FARMINGHAM, MASSACHUSETTS

DRAWING No. **A-21**

DRAWN BY C.S. DATE MAY 23, 1956 JOB No. 5600  
 CHECKED BY T.J.S. APPROVED BY





INTERIOR ELEVATIONS & DETAILS  
ADMINISTRATION LIBRARY AREA  
FRAMINGHAM HIGH SCHOOL  
FLAGG DRIVE  
FRAMINGHAM, MASSACHUSETTS

REGISTERED ARCHITECT  
NO. 483  
BOSTON  
MASS.

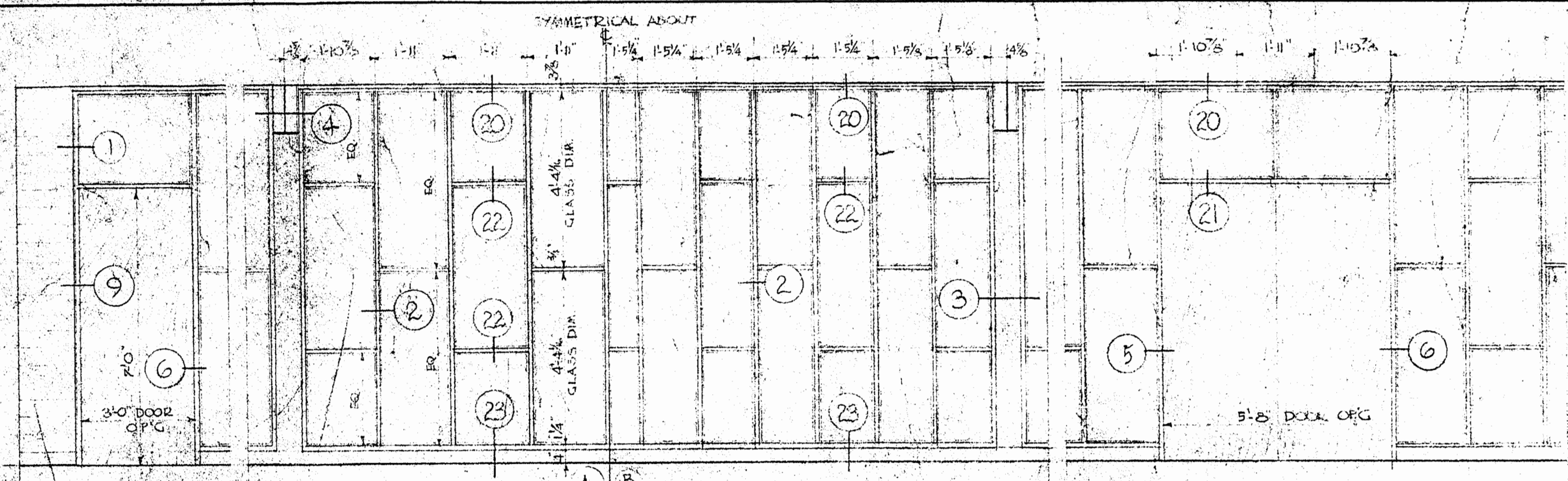
DRAWN BY G.S. DATE MAY 25, 1956  
CHECKED BY T.J.S. APPROVED BY

5608

A-25

WALL SECTIONS AND DETAILS  
SCALE 3/8"=1'-0"

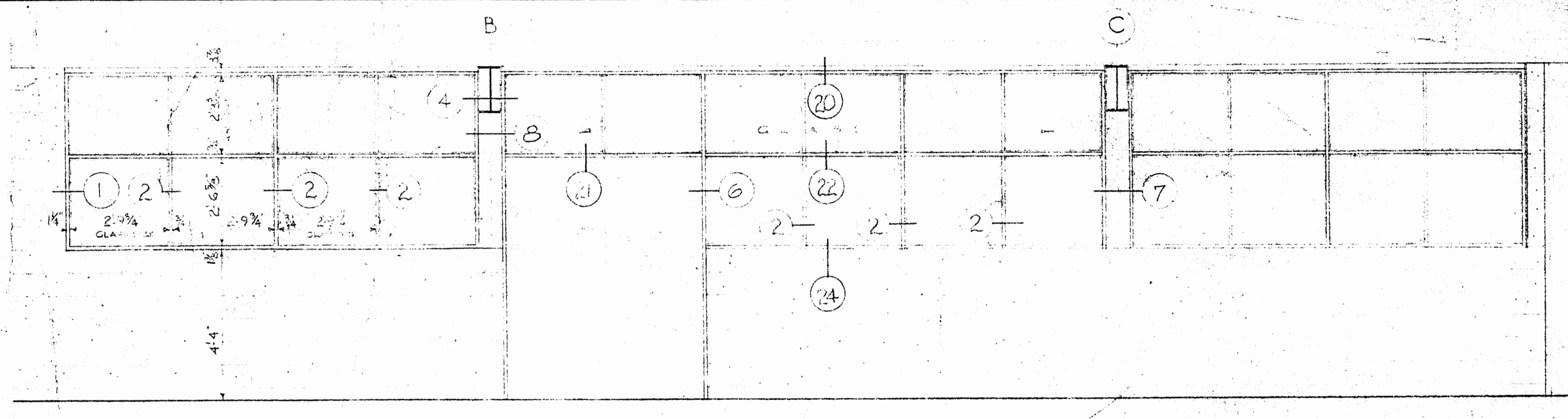




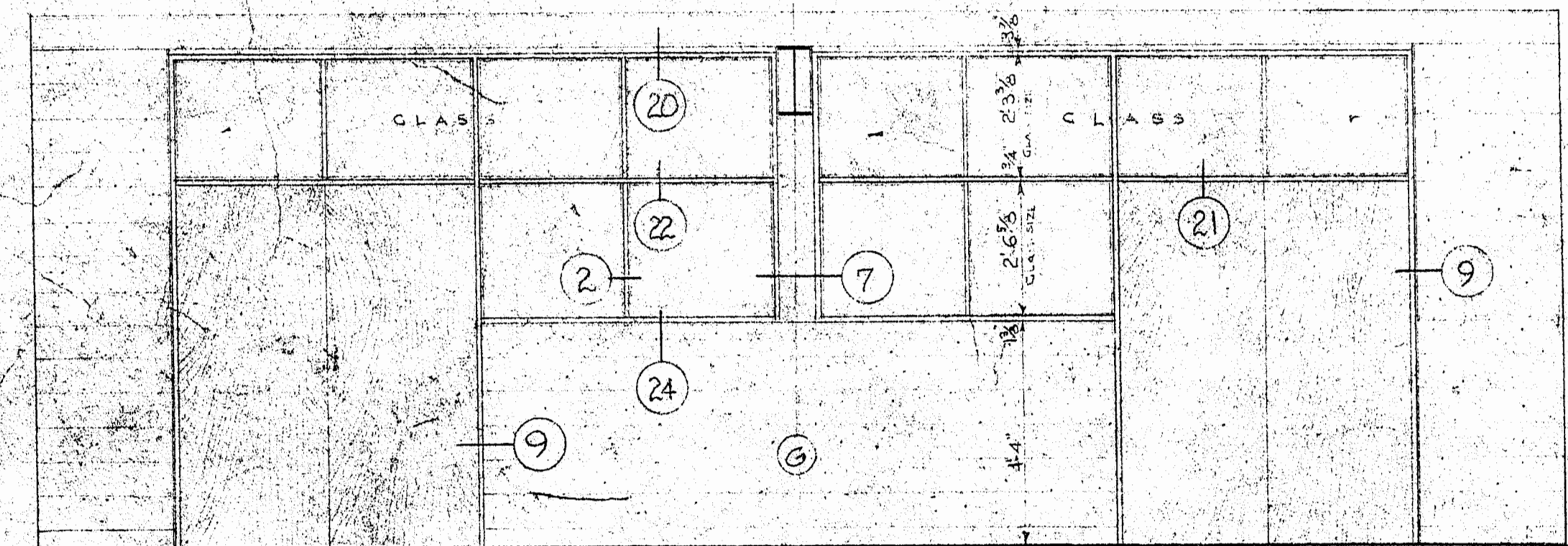
ELEVATION OF GLAZED WOOD PARTITIONS (FOR COMPLETE ELEVATIONS SEE DWG. #)

TYPE A: PARTITION BETWEEN CORRIDOR [35] AND DRAWING ROOM [36], DRAWING ROOM [37], GRAPHICS ROOM [38]  
PARTITION BETWEEN CORRIDOR [34] AND PLANNING [28]

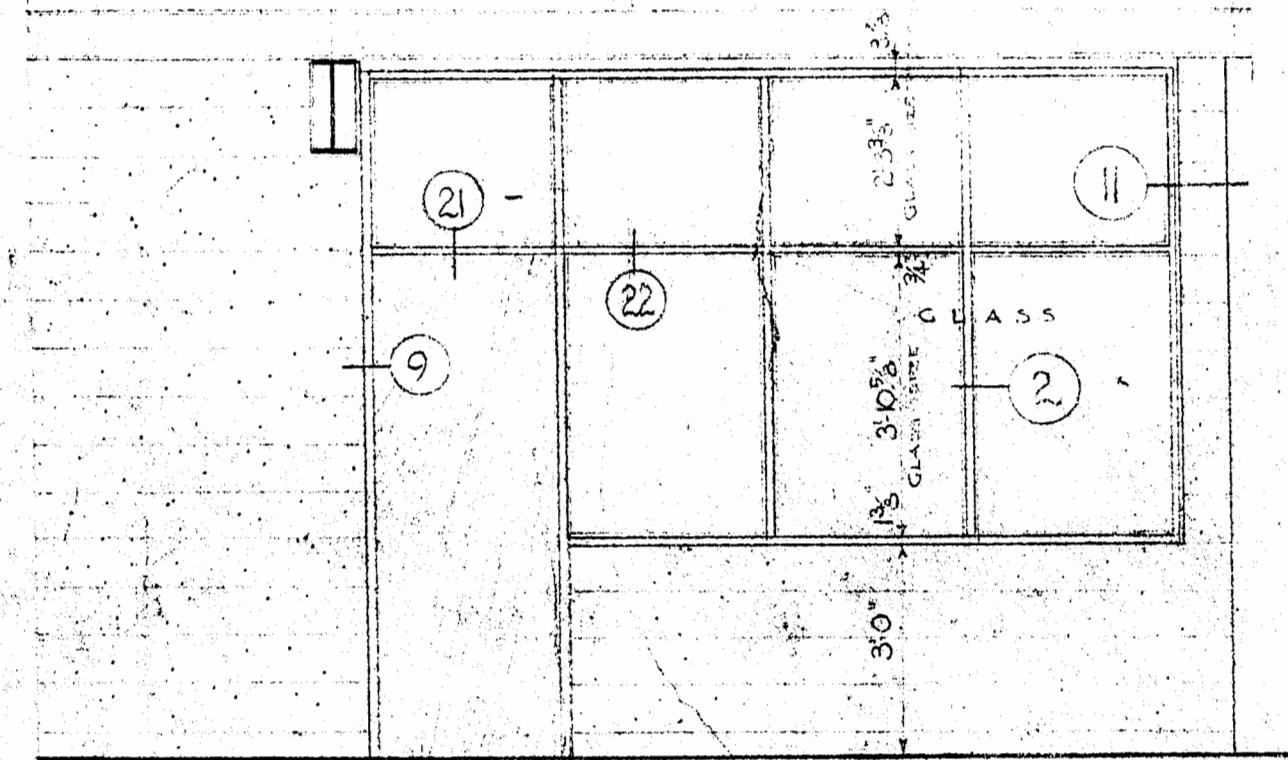
TYPE B: PARTITION BETWEEN CORRIDOR [259] AND STUDENT ACTIVITY [175]  
PARTITION BETWEEN CORRIDOR [359] AND TEACHER'S ROOM [23]  
PARTITION BETWEEN VESTIBULE [34] AND OFFICE [33]  
PARTITION BETWEEN CORRIDOR [35] AND VOCATIONAL OFFICE [44]  
PARTITION BETWEEN CORRIDOR [35] AND VOCATIONAL DIRECTOR [43] SCIENCE OFFICE [45]



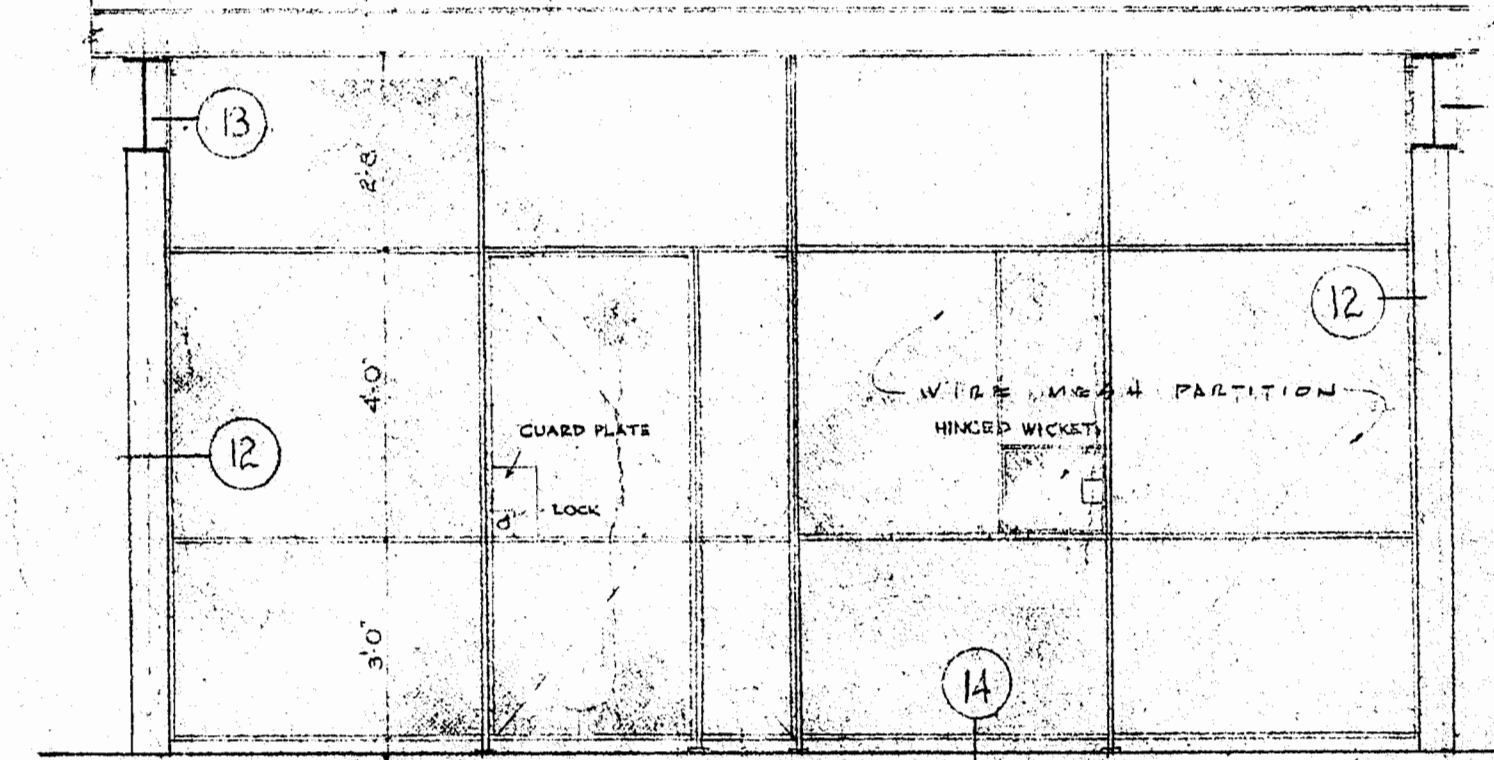
PARTITION BETWEEN WOODSHOP [1] PLANNING [30] AND OFFICE [29] 3/8" = 1'-0"



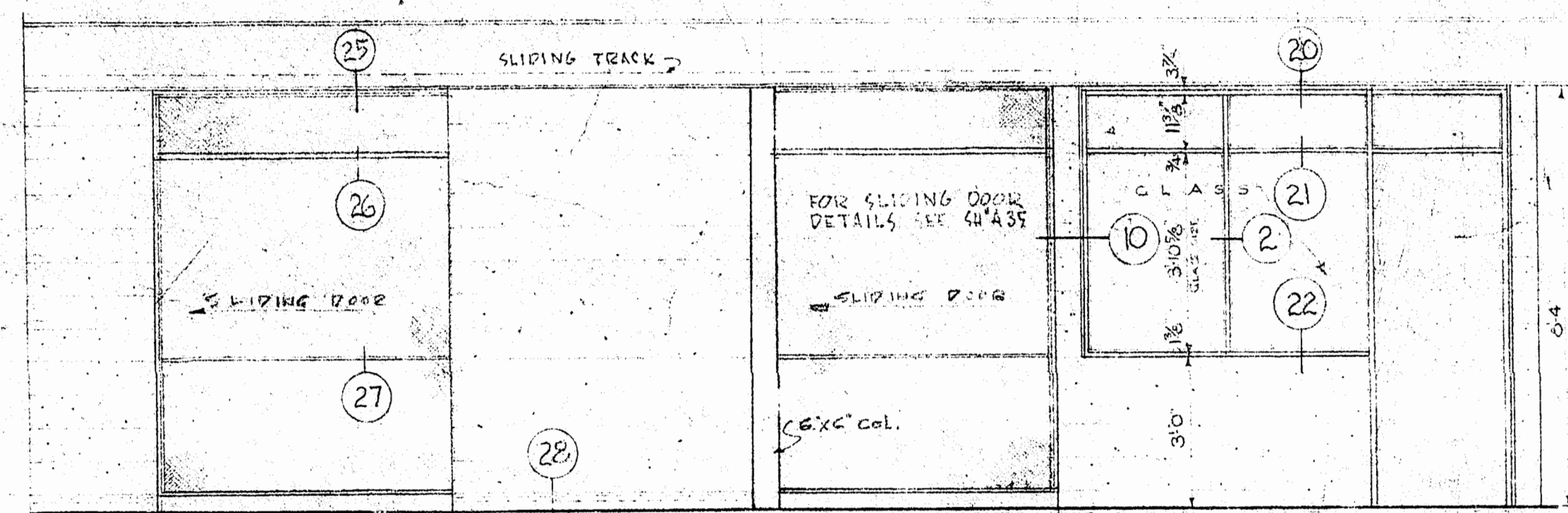
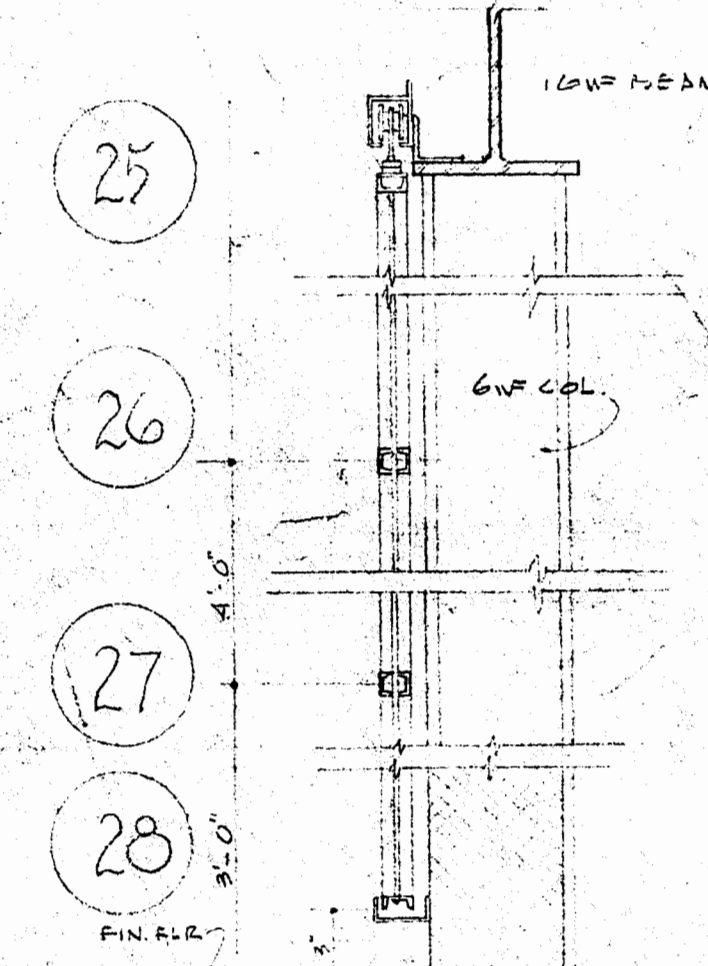
PARTITION BETWEEN PLANNING [28] AND POWER MECHANICS [7] METAL SHOP [6] 3/8" = 1'-0"



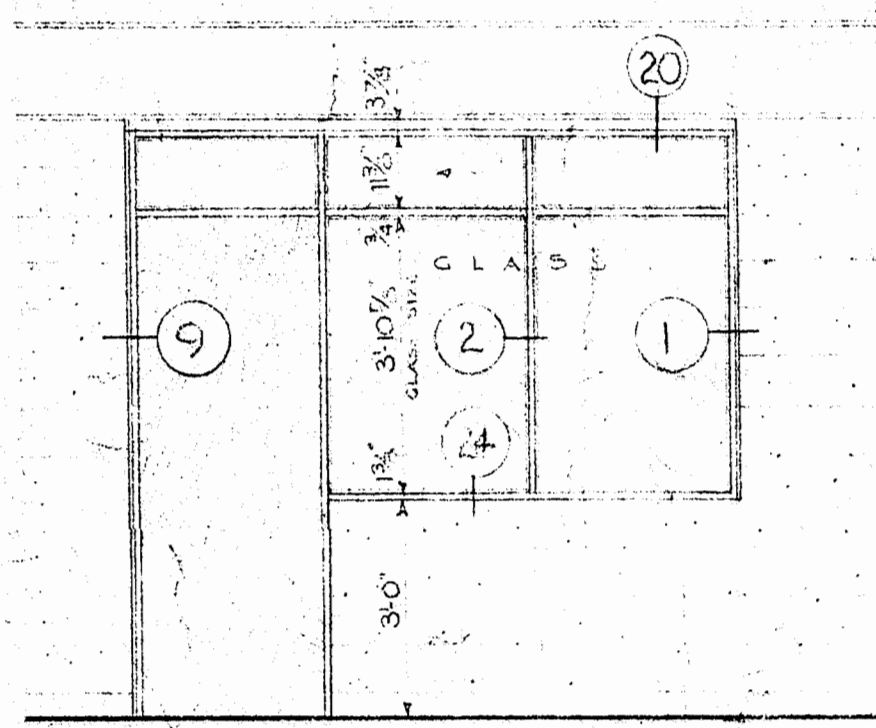
PARTITION BETWEEN POWER MECHANICS [7] OFFICE [24] 3/8" = 1'-0"



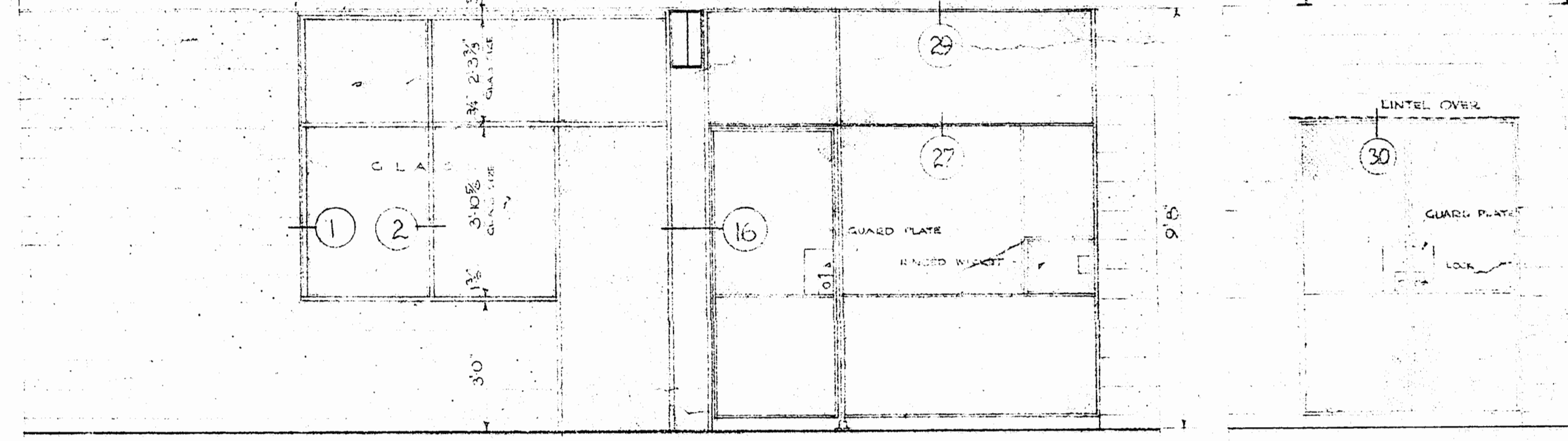
PARTITIONS BETWEEN MACHINE SHOP [9] & STORAGE [16] 3/8" = 1'-0"



PARTITION BETWEEN WOODSHOP [1] STORAGE [2] AND OFFICE [3] 3/8" = 1'-0"

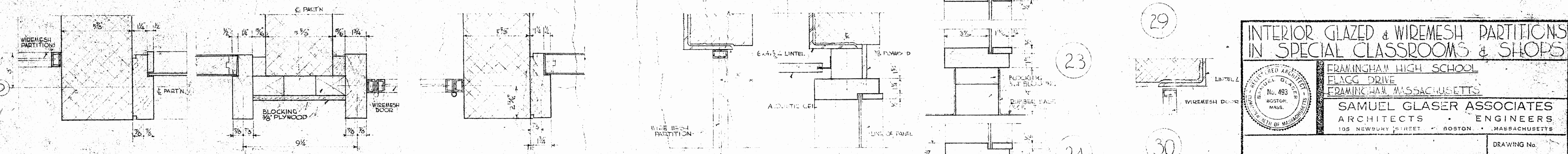
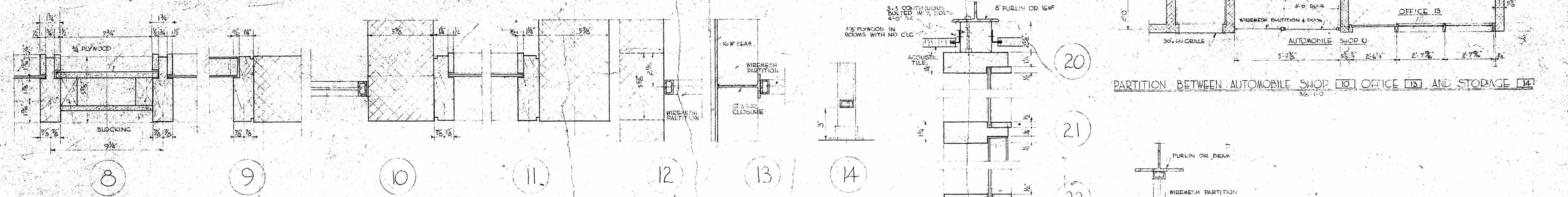
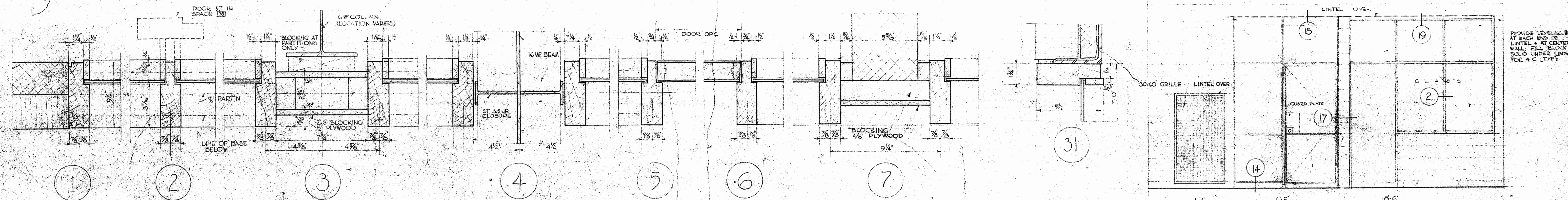


PARTITION BETWEEN METAL SHOP [6] AND OFFICE [3] 3/8" = 1'-0"



PARTITION BETWEEN ELECTRIC SHOP [5] STORAGE [19] AND OFFICE [17] 3/8" = 1'-0"

DOOR BETWEEN STORAGE [23] AND POWER MECH. SHOP [7] 3/8" = 1'-0"



DETAILS 3/8" = 1'-0"

PARTITION BETWEEN AUTOMOBILE SHOP [10] OFFICE [13] AND STORAGE [14] 3/8" = 1'-0"

INTERIOR GLAZED & WIREMESH PARTITIONS IN SPECIAL CLASSROOMS & SHOPS

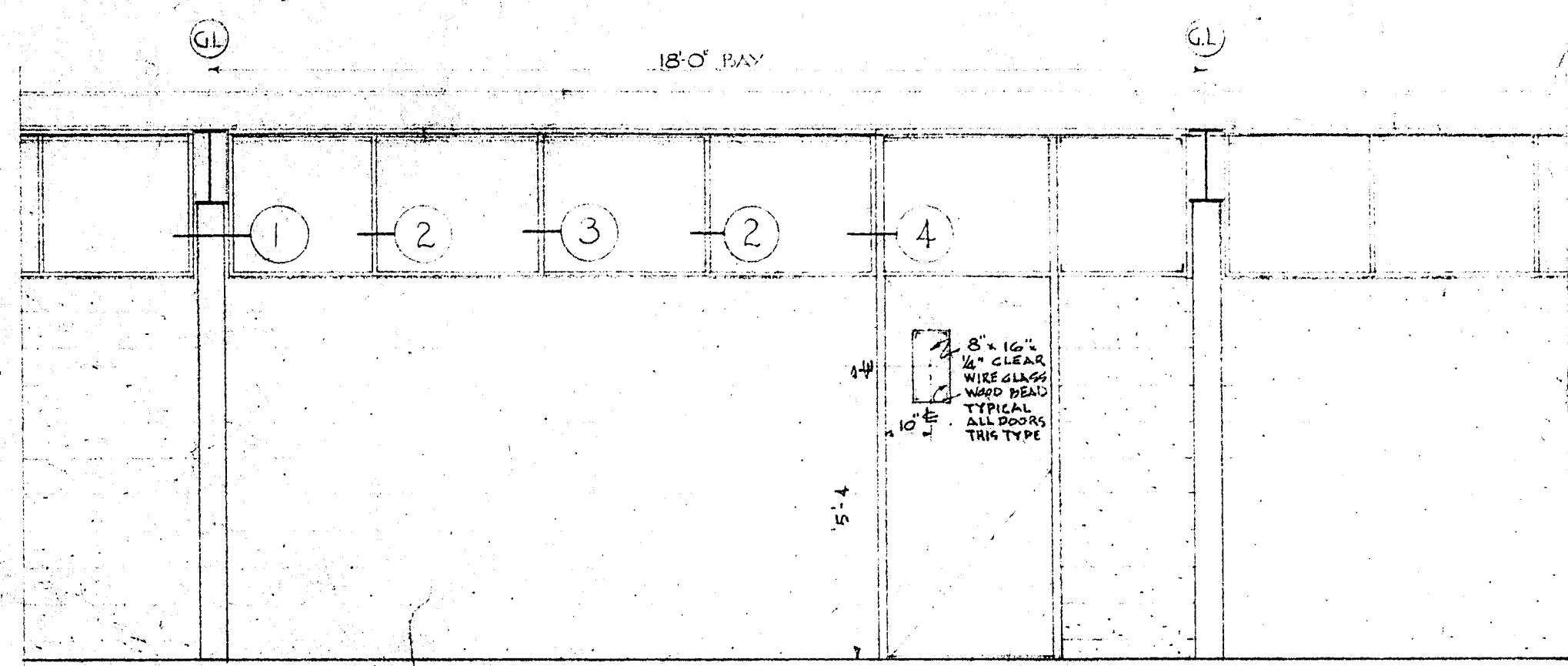
FRAMINGHAM HIGH SCHOOL  
FLAGG DRIVE  
FRAMINGHAM, MASSACHUSETTS

SAMUEL GLASER ASSOCIATES  
ARCHITECTS & ENGINEERS  
105 NEWBURY STREET, BOSTON, MASSACHUSETTS

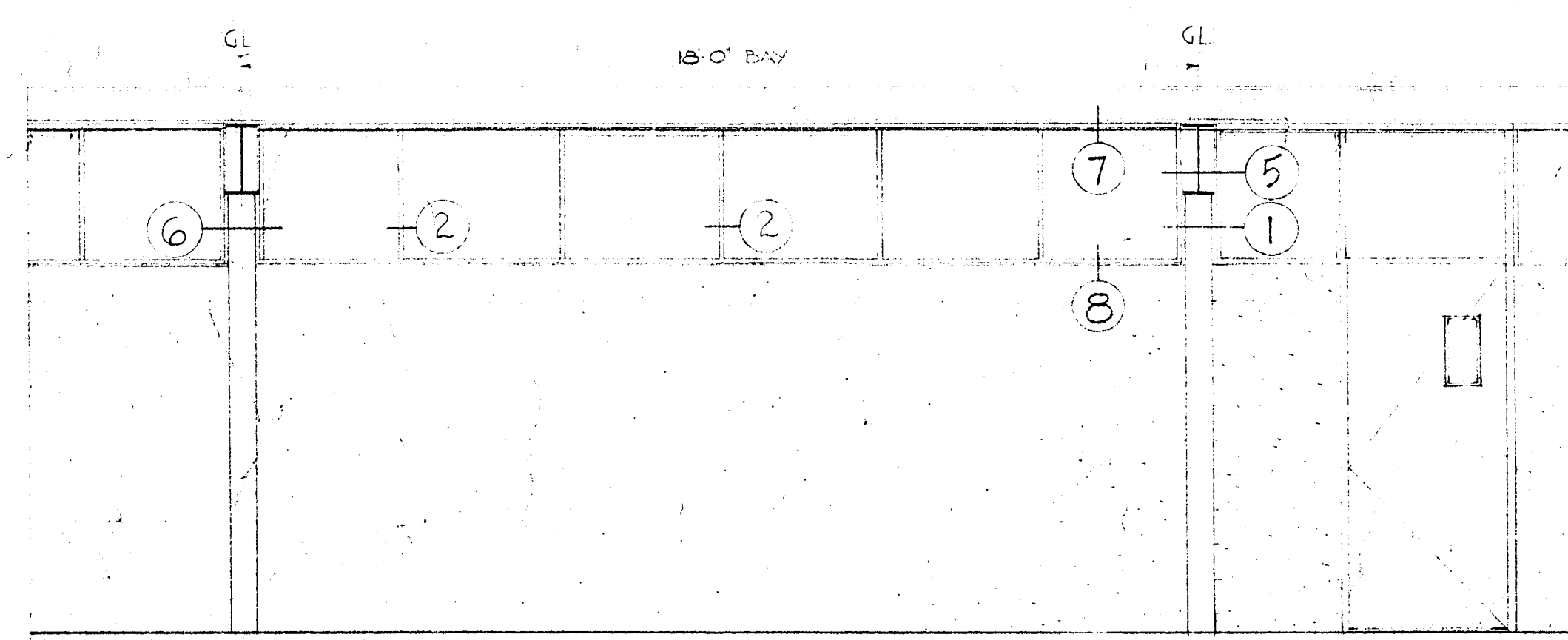
DRAWN BY A.K. DATE MAY 25, 1956 JOB No. 5608  
CHECKED BY T.J.S. APPROVED BY

4-26



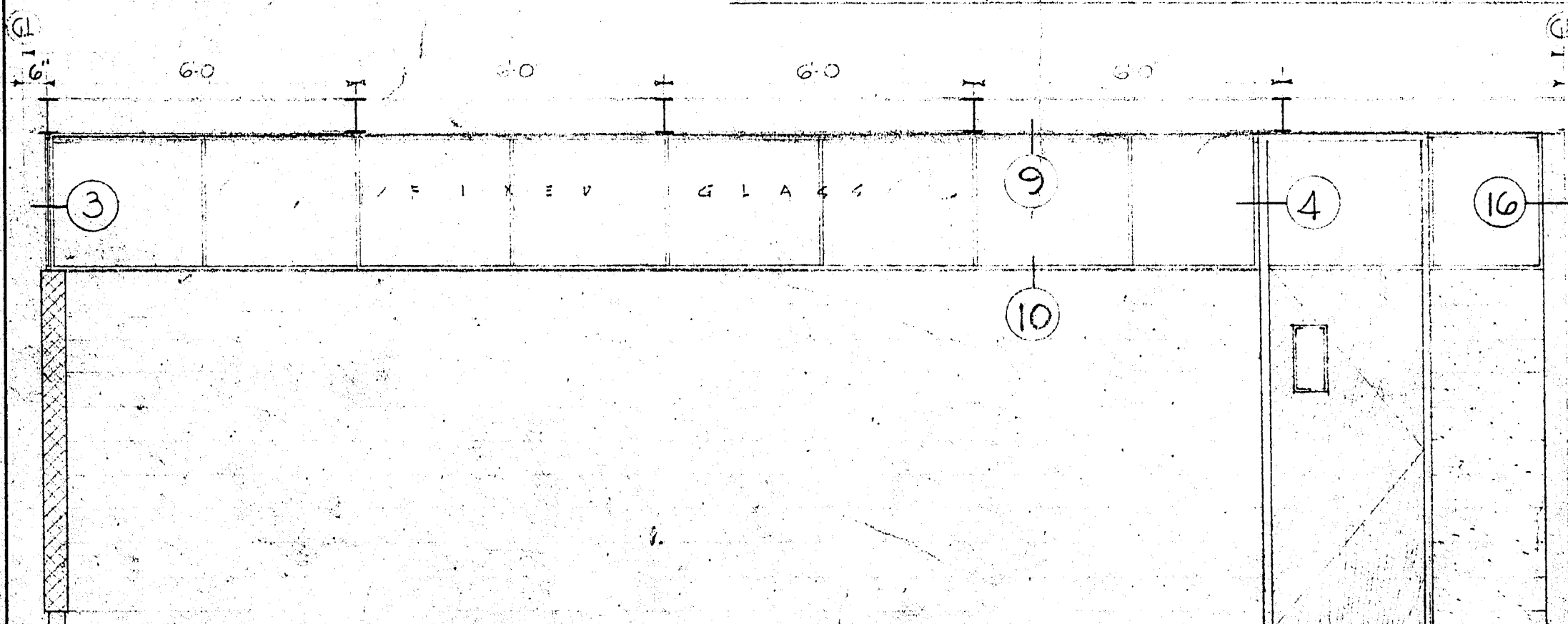


CONDITION A: BAY CONTAINING DOORFRAME (AT EITHER END)

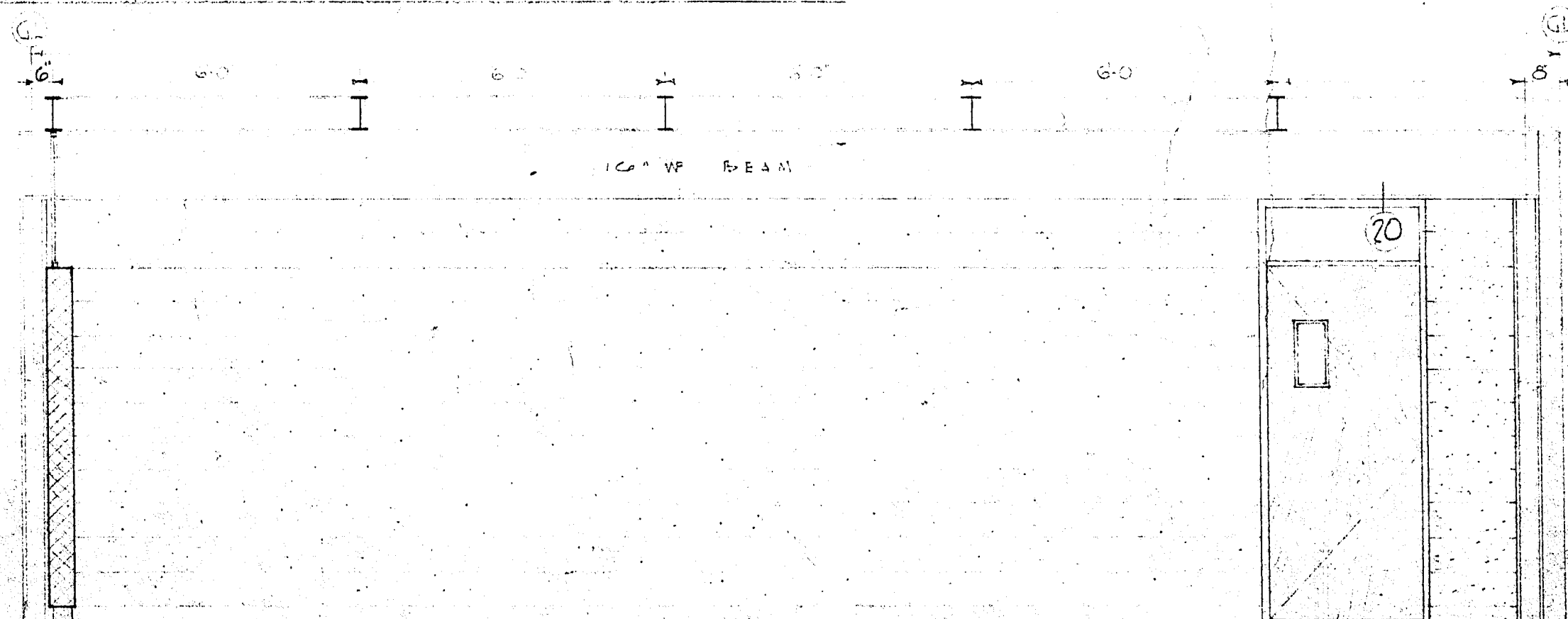


CONDITION B: BAY WITHOUT DOORFRAME

MASONRY & GLASS PARTITIONS BETWEEN CORRIDORS AND CLASSROOMS

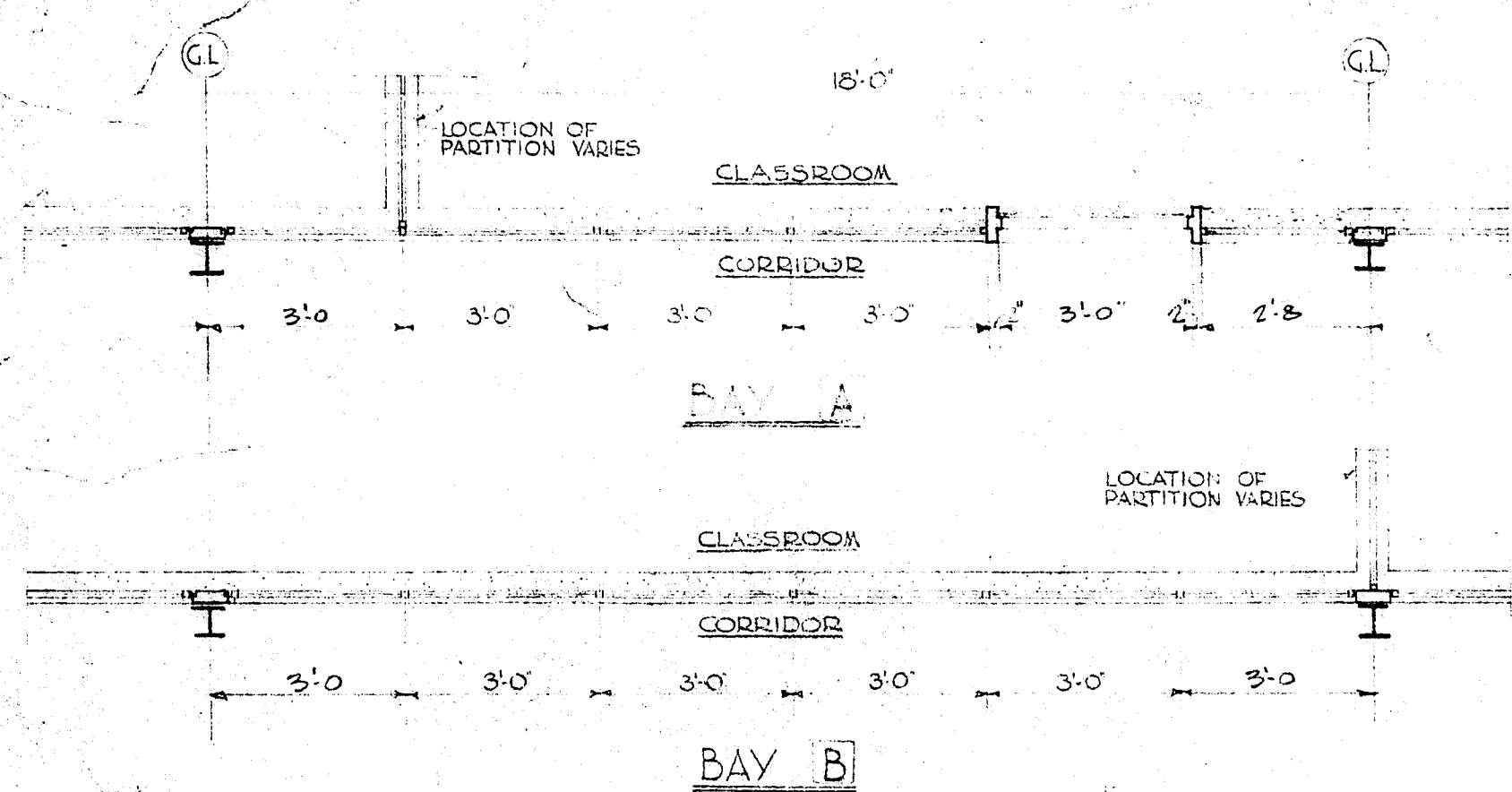


CONDITION C: PARTITION NOT ON COLUMN-LINE

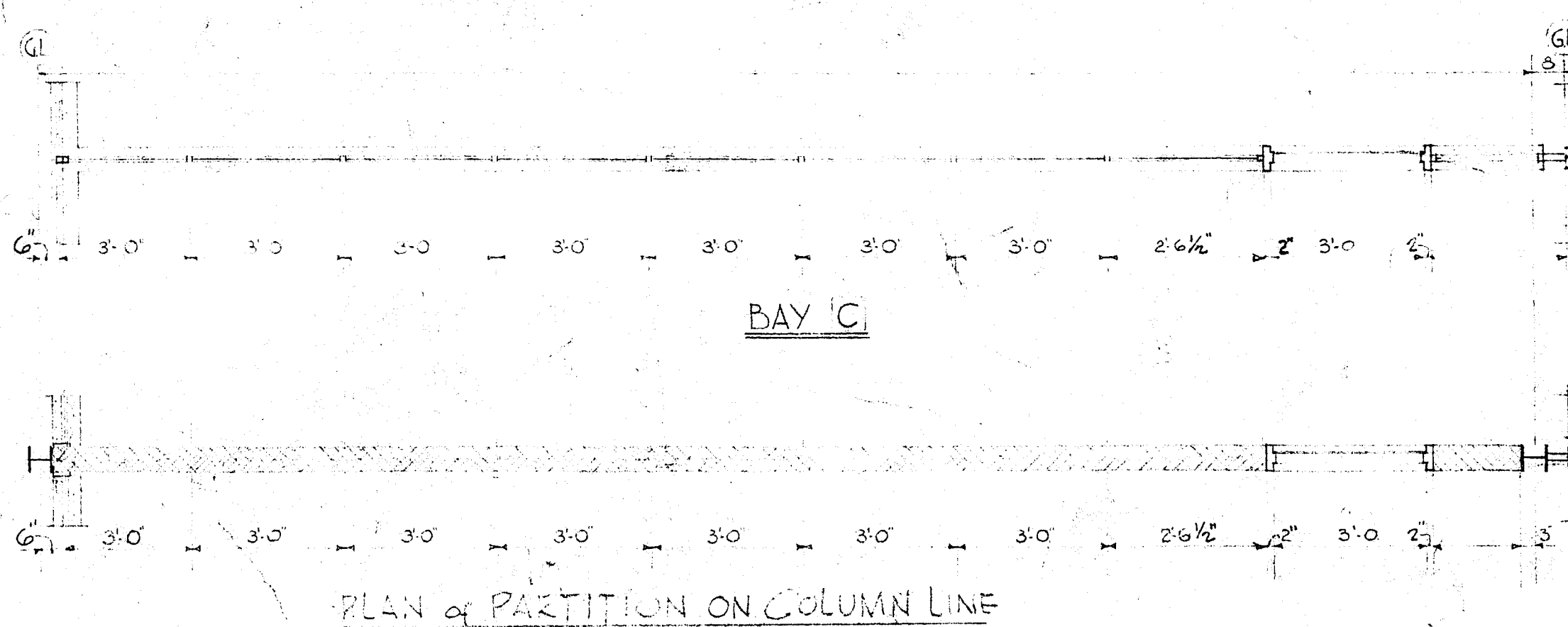


PARTITION ON COLUMN-LINE

MASONRY & GLASS PARTITIONS BETWEEN CLASSROOMS

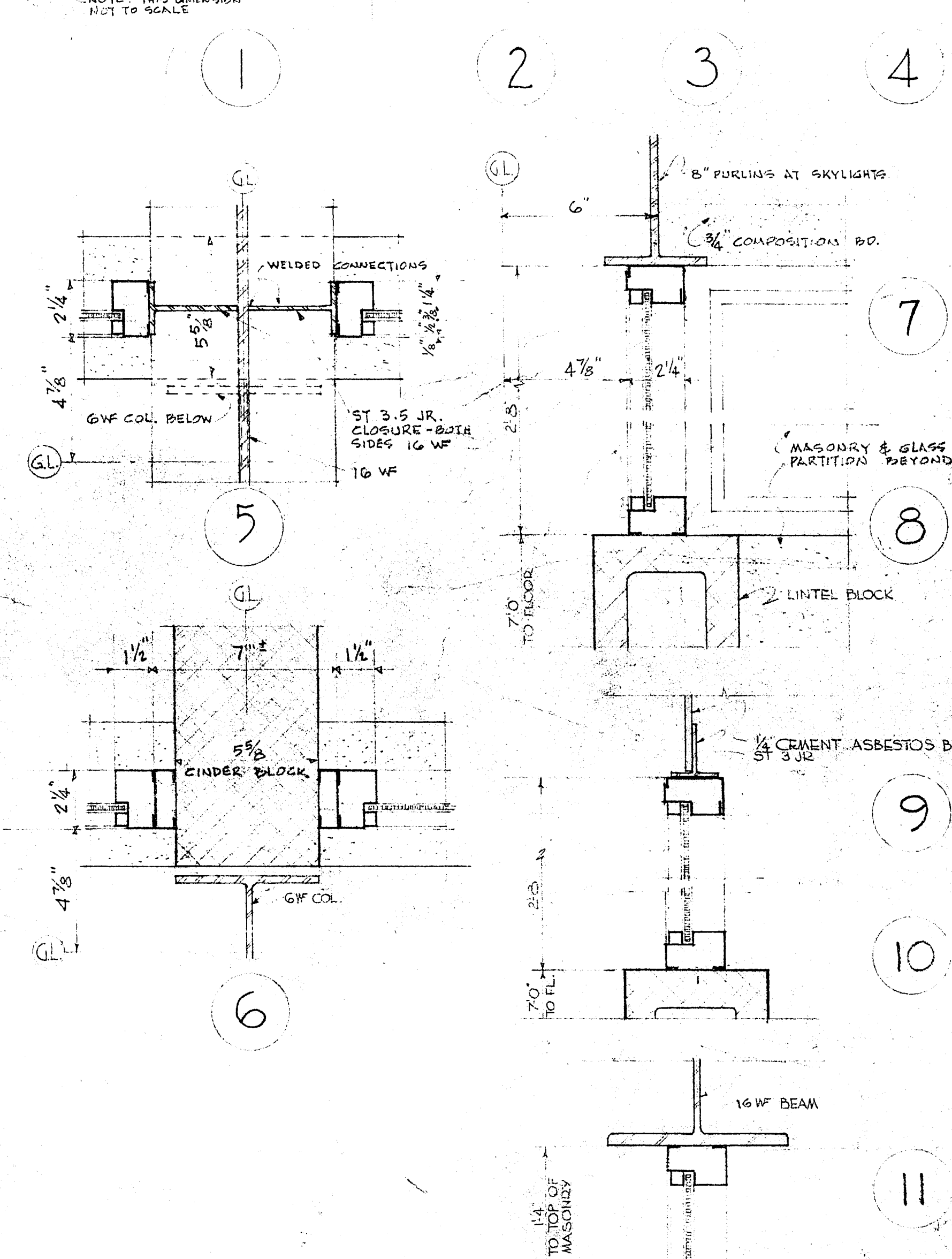
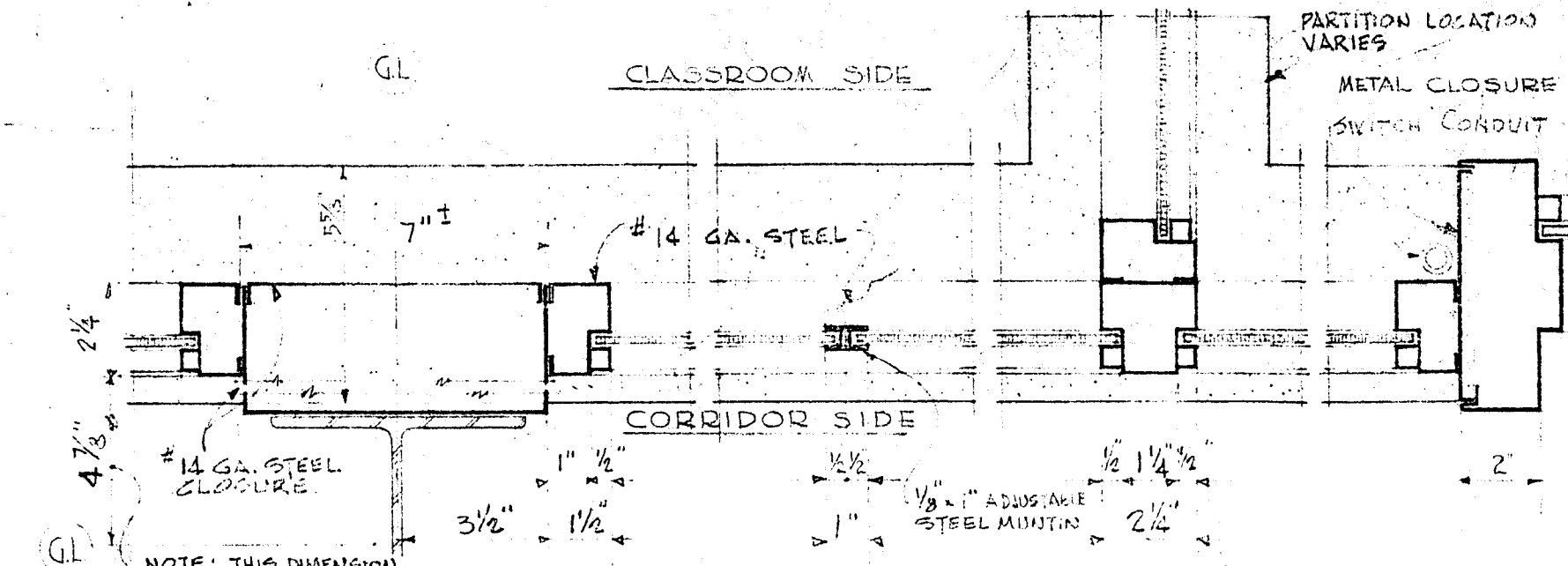


BAY B

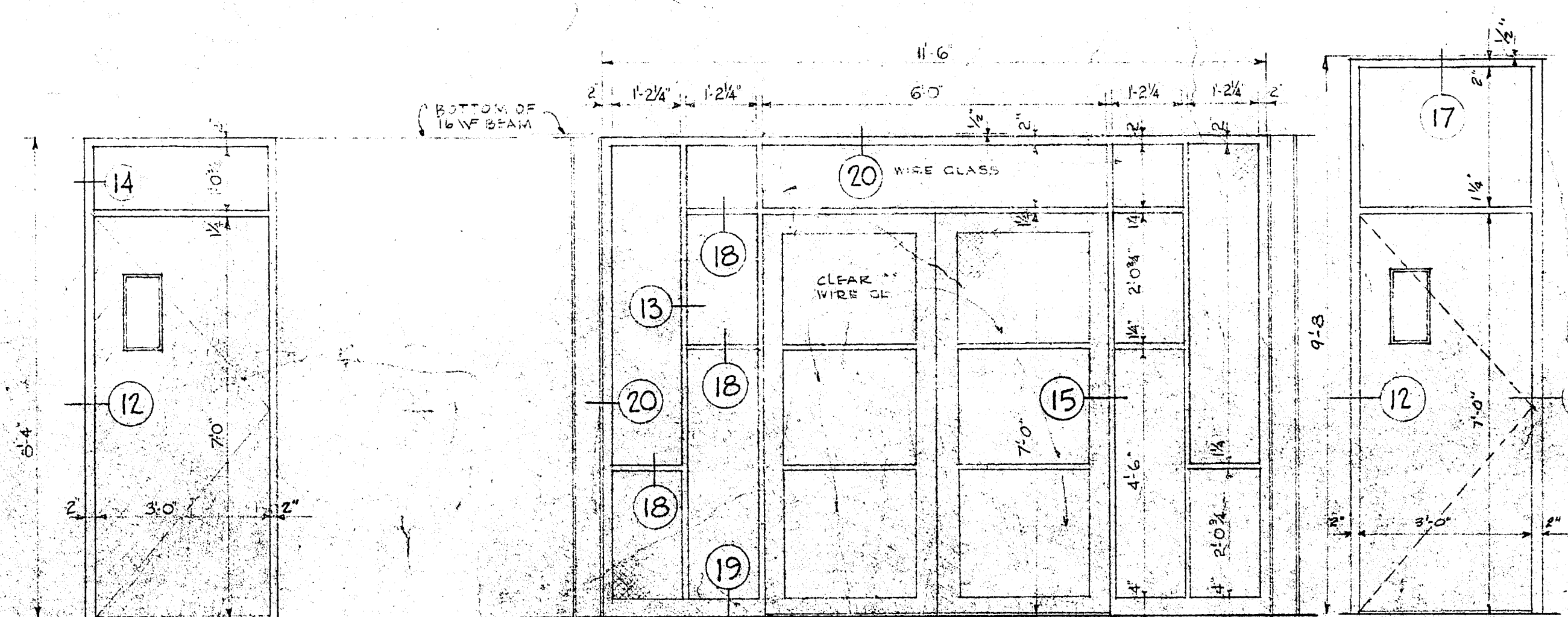


PLAN of PARTITION ON COLUMN LINE

MASONRY AND GLASS PARTITIONS



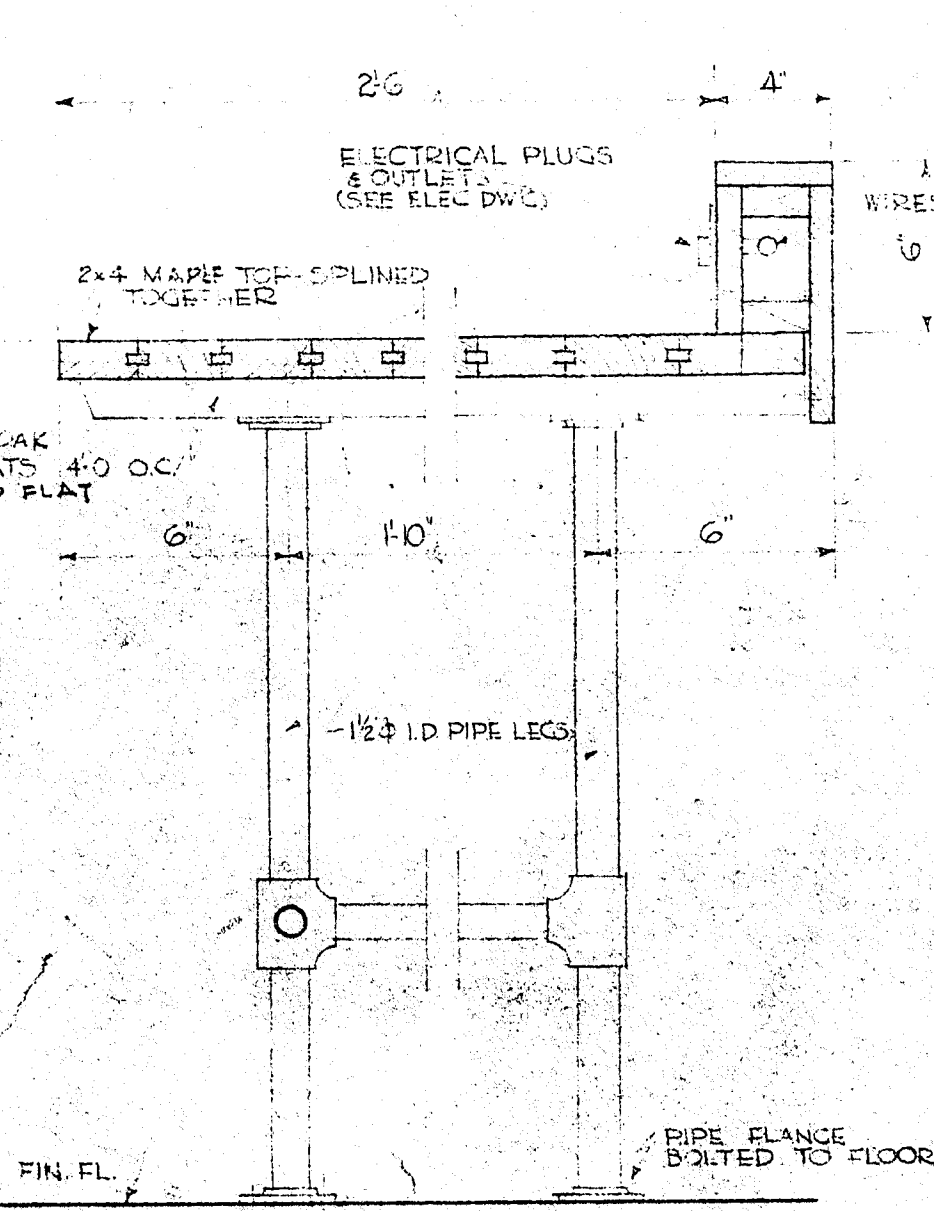
DETAILS 3/16"



FRAME TYPE 5  
(BETWEEN CLASSROOMS, ON GRID LINES)

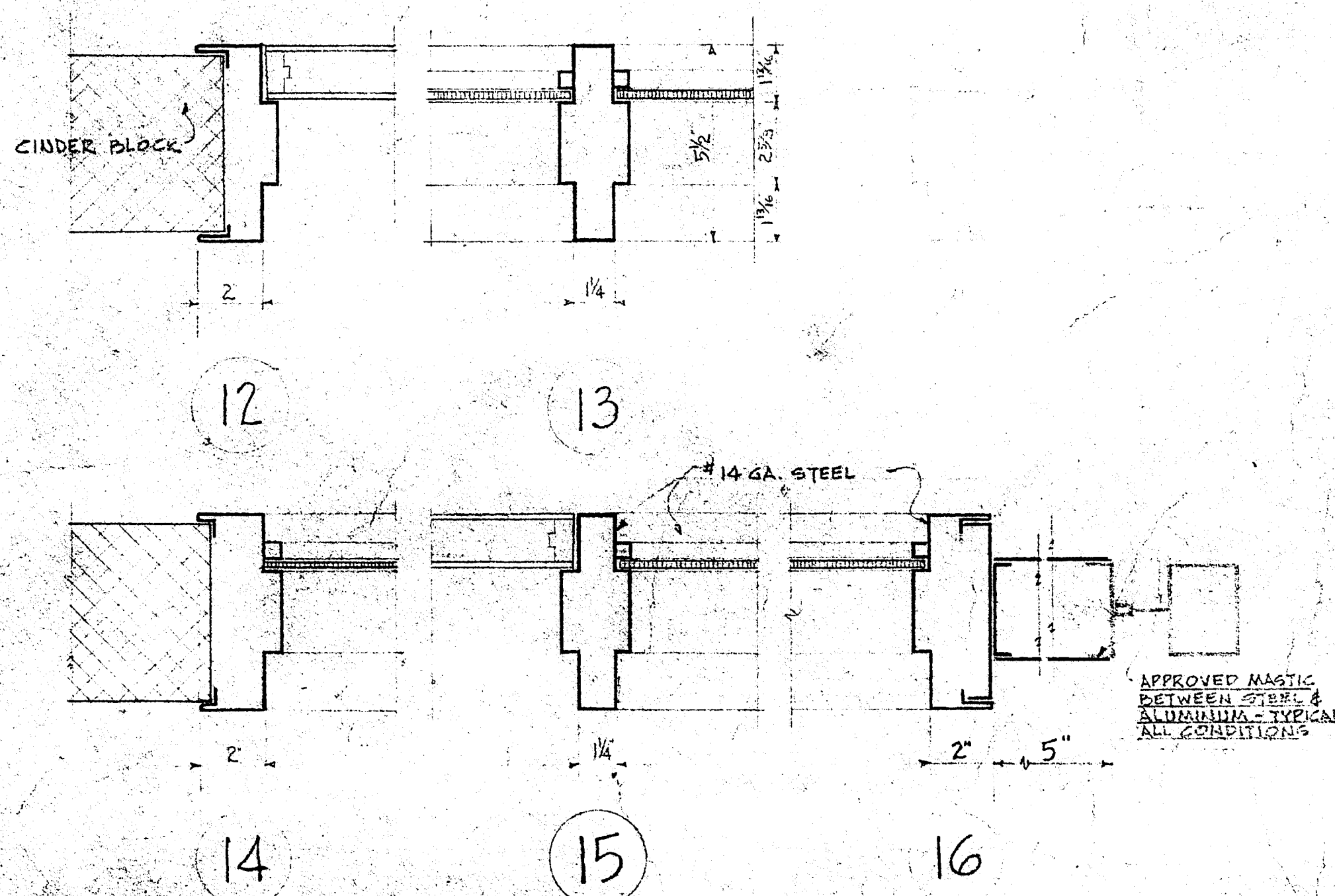
FRAME TYPE 6  
SAWTOOTH DOORS

FRAME TYPE 7

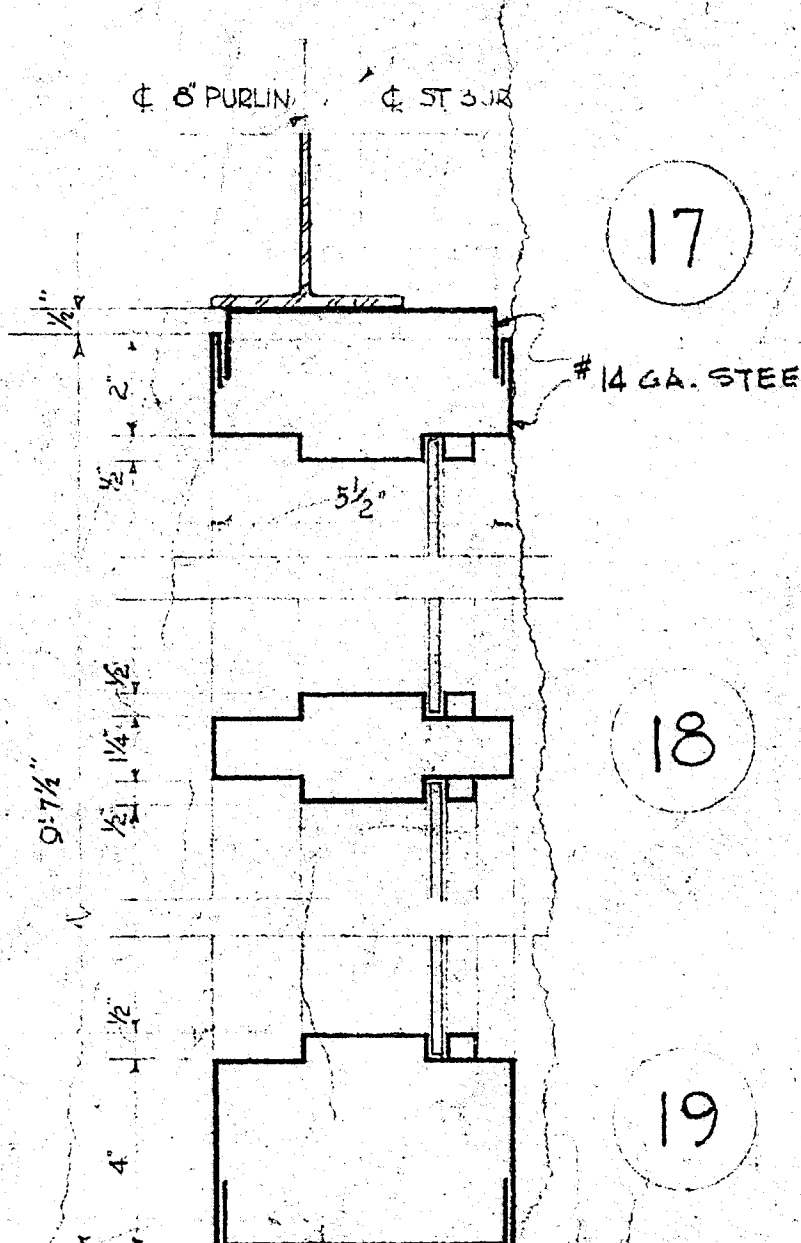


TYPICAL ELECTRIC SHOP WORK BENCH

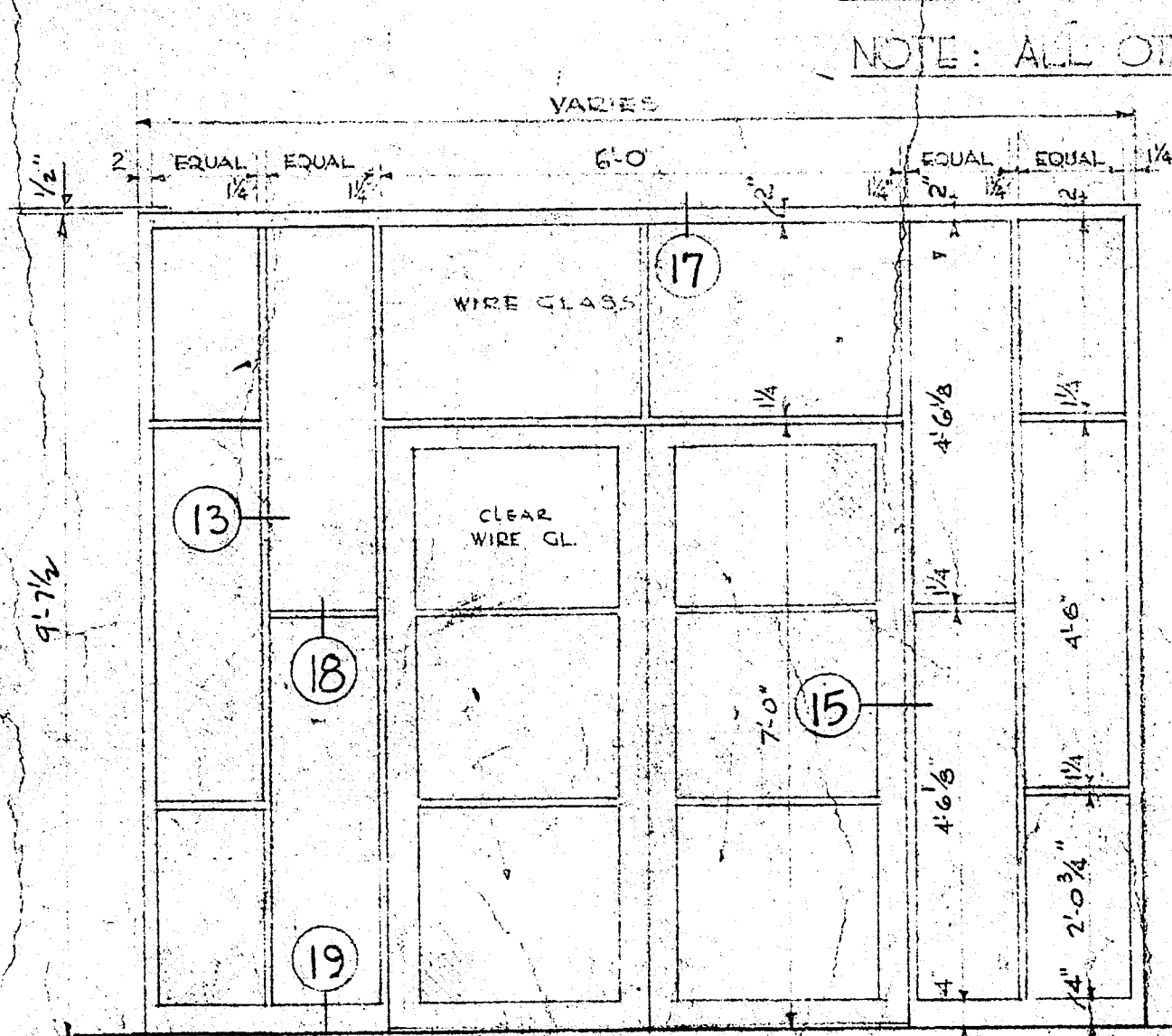
SCALE 3/4"=1'-0"  
NOTE: ALL OTHER SHOP BENCHES SIMILAR EXCEPT WITHOUT CURB



PLAN OF DOOR FRAMES  
SCALE 3/16"



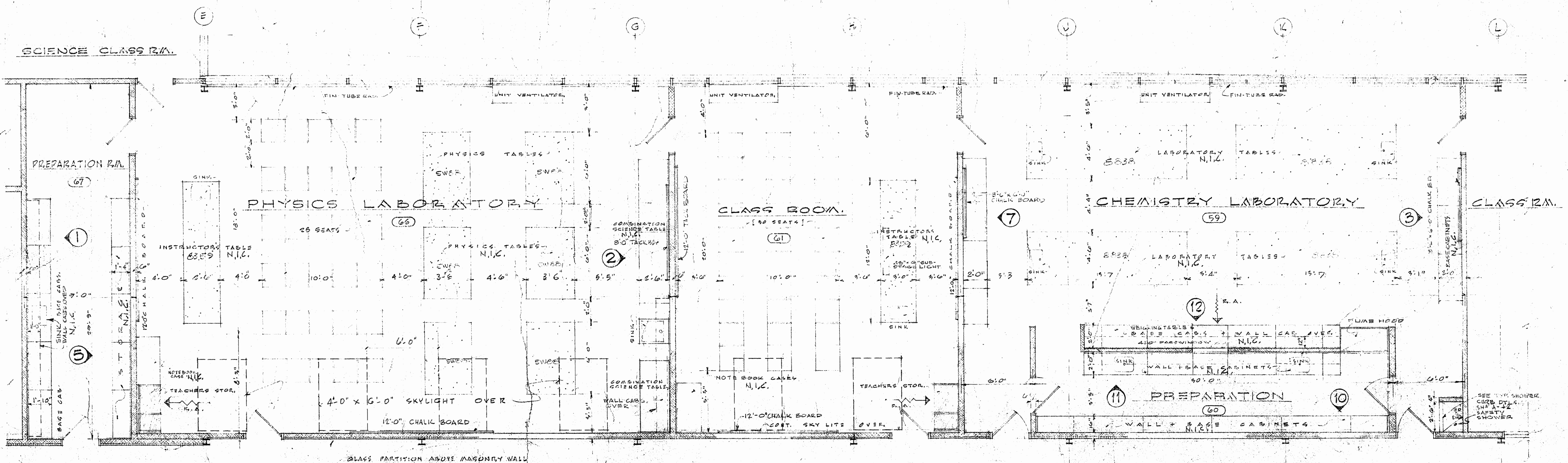
CLASSROOM DOOR FRAME  
DETAILS  
SCALE 3/16"



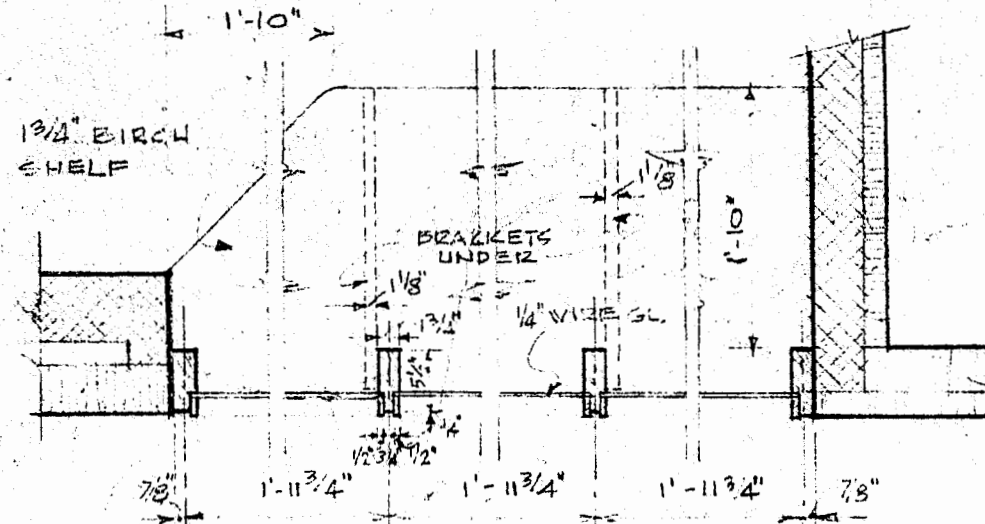
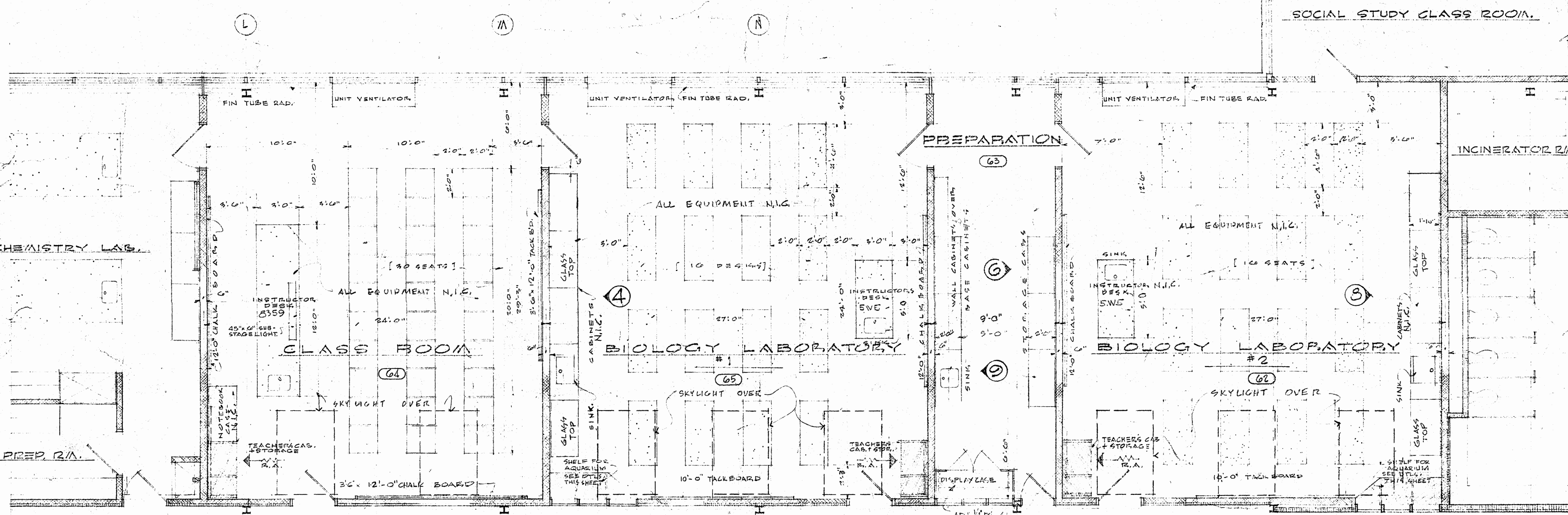
FRAME TYPE 8  
SCALE 1/2"=1'-0"

MASONRY AND GLASS PARTITIONS CLASSROOM DOOR DETAILS			
FRAMINGHAM HIGH SCHOOL FLAG DRIVE FRAMINGHAM, MASSACHUSETTS			
SAMUEL GLASER ASSOCIATES ARCHITECTS ENGINEERS 109 NEWBURY STREET BOSTON MASSACHUSETTS			
DRAWN BY A.K.		DATE MAY 25, 1956	JOB NO. 5608
CHECKED BY T.J.S.		APPROVED BY	<b>A-27</b>

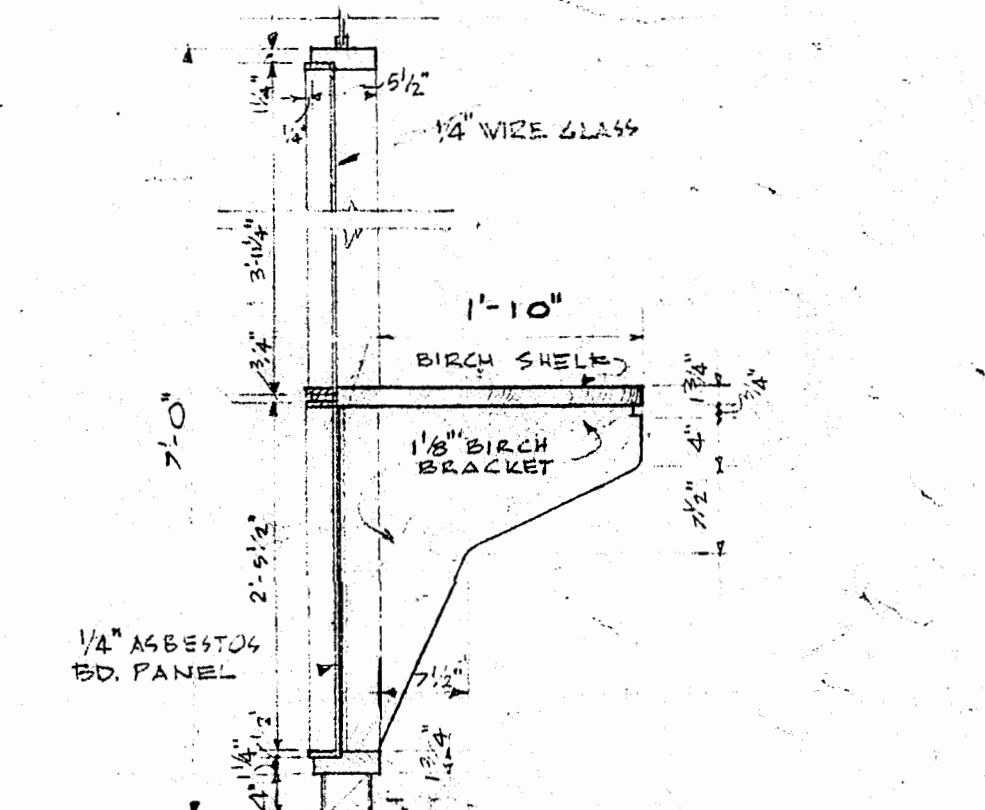




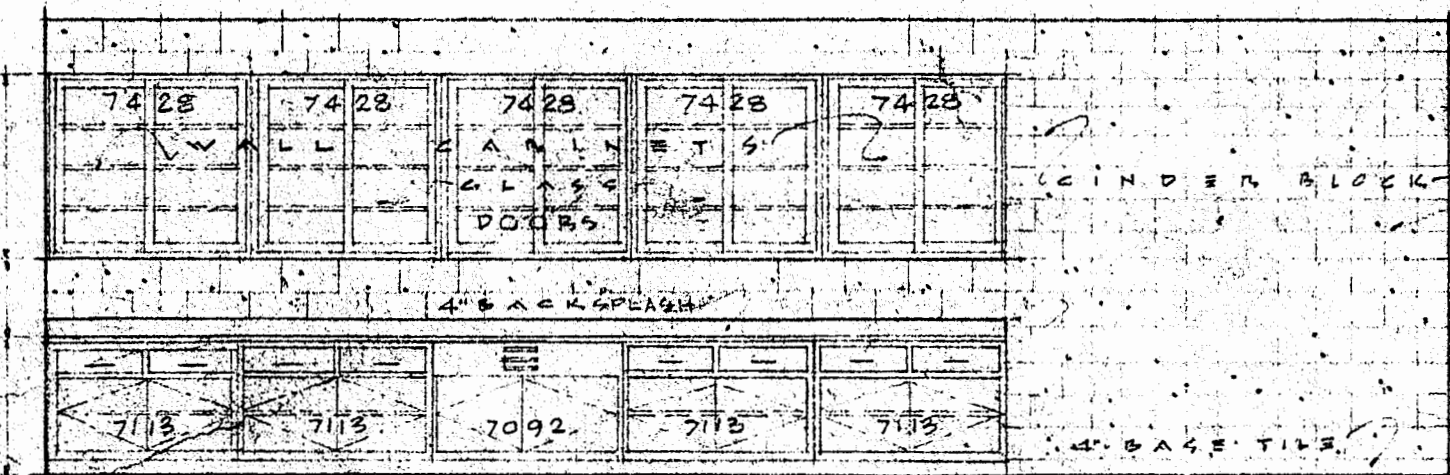
FLOOR PLAN FOR LABORATORIES & SCIENCE CLASS ROOMS  
SCALE: 1/4" = 1'-0"



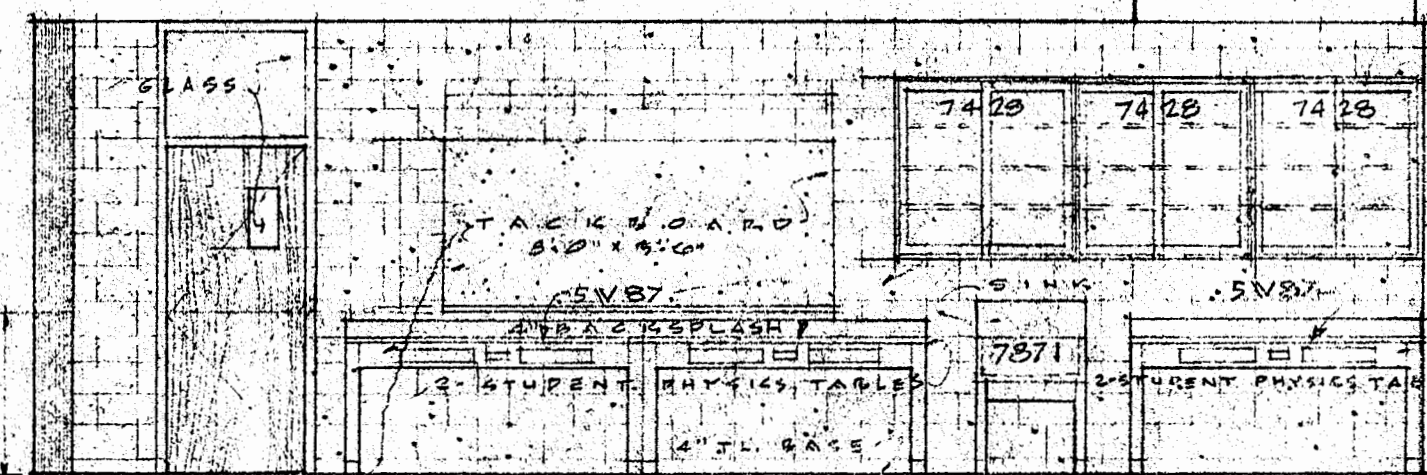
PLAN OF AQUARIUM SHELF  
(RM. 60 & 69)  
SCALE 3/4" = 1'-0"



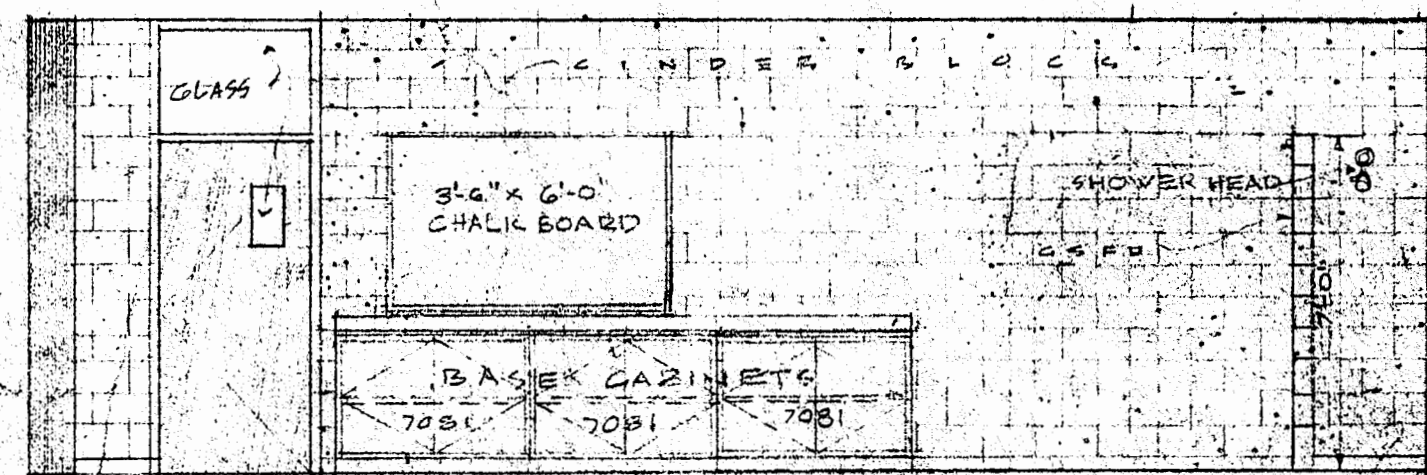
TYPICAL SECTION THROUGH  
AQUARIUM SHELF  
SCALE 3/4" = 1'-0"



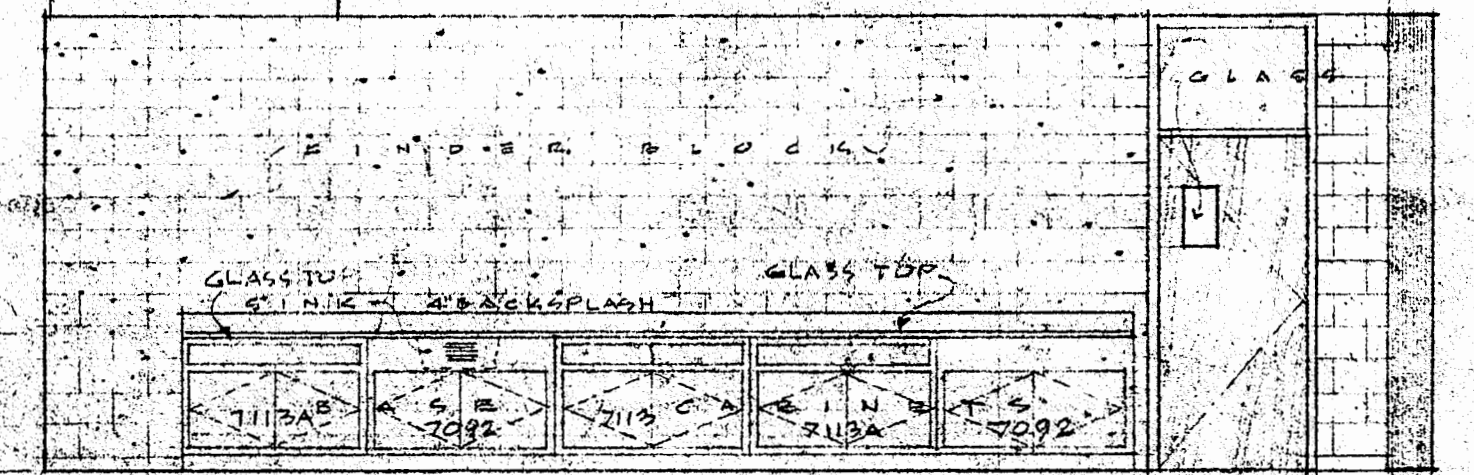
ELEVATION 1



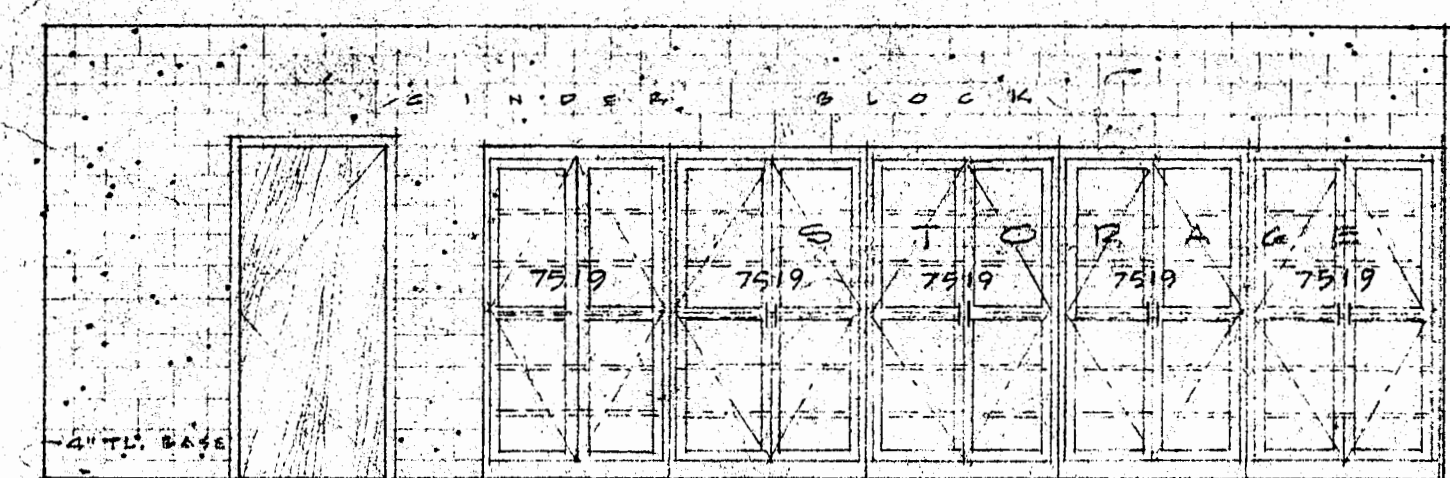
ELEVATION 2



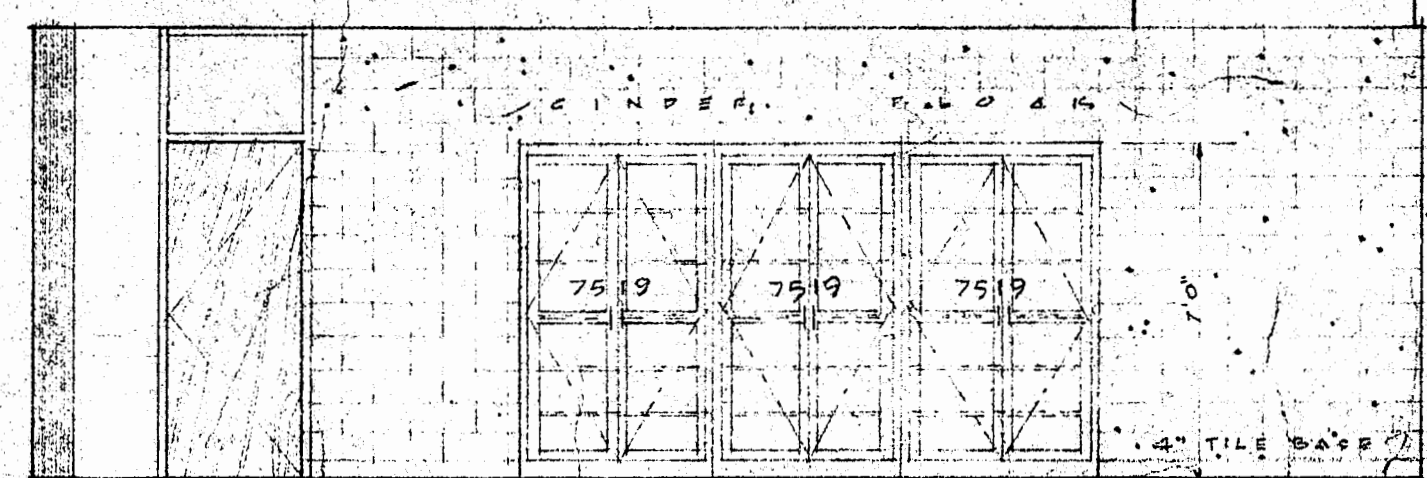
ELEVATION 3



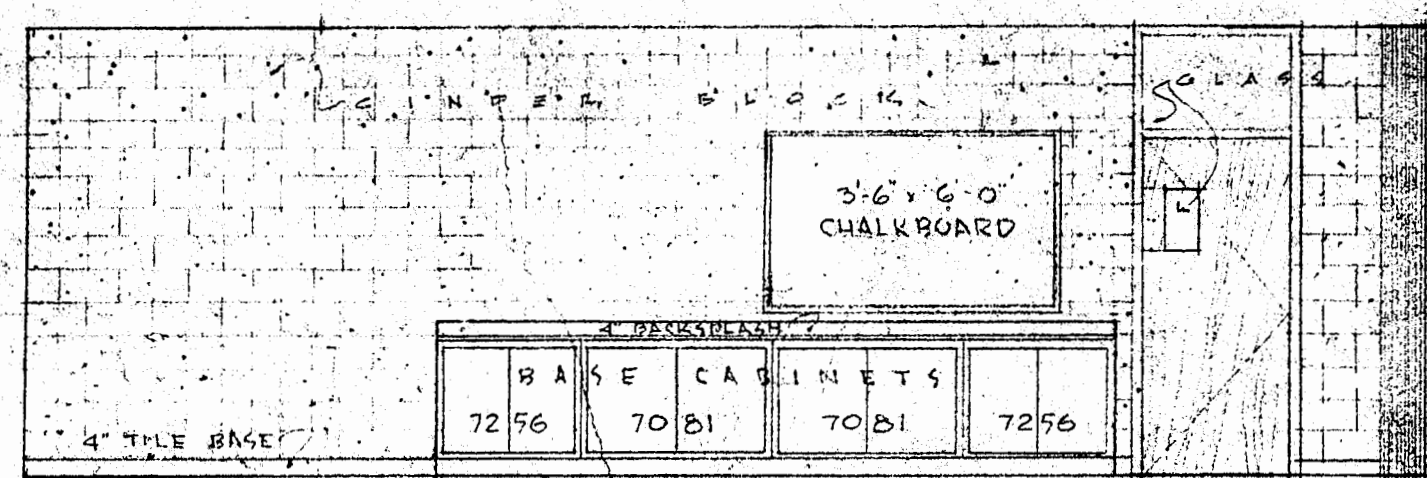
ELEVATION 4



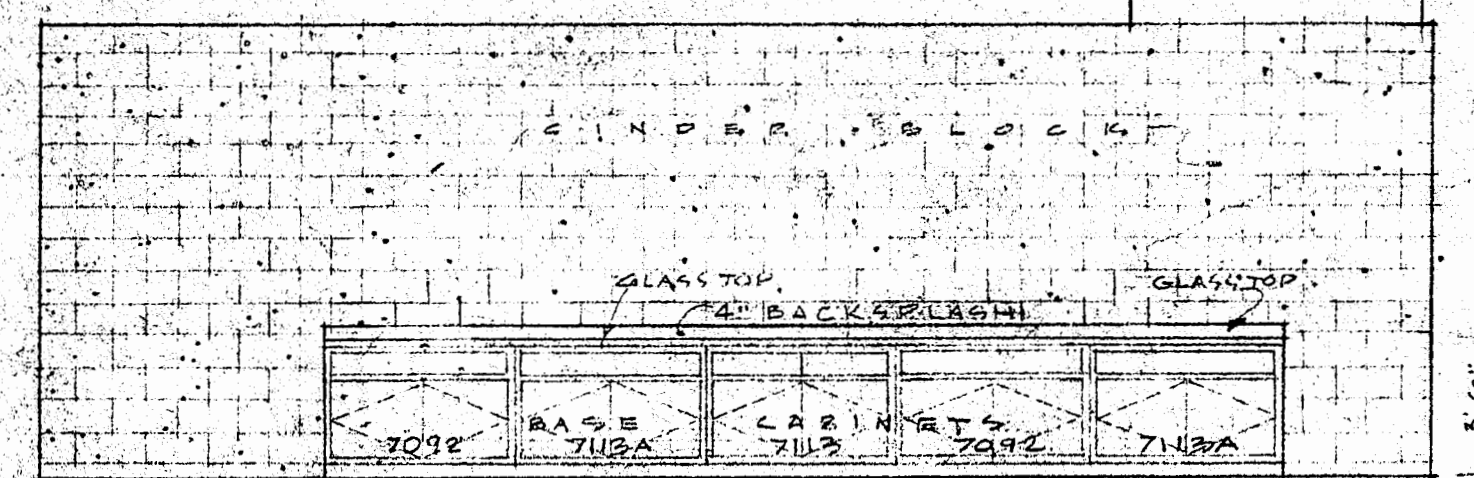
ELEVATION 5



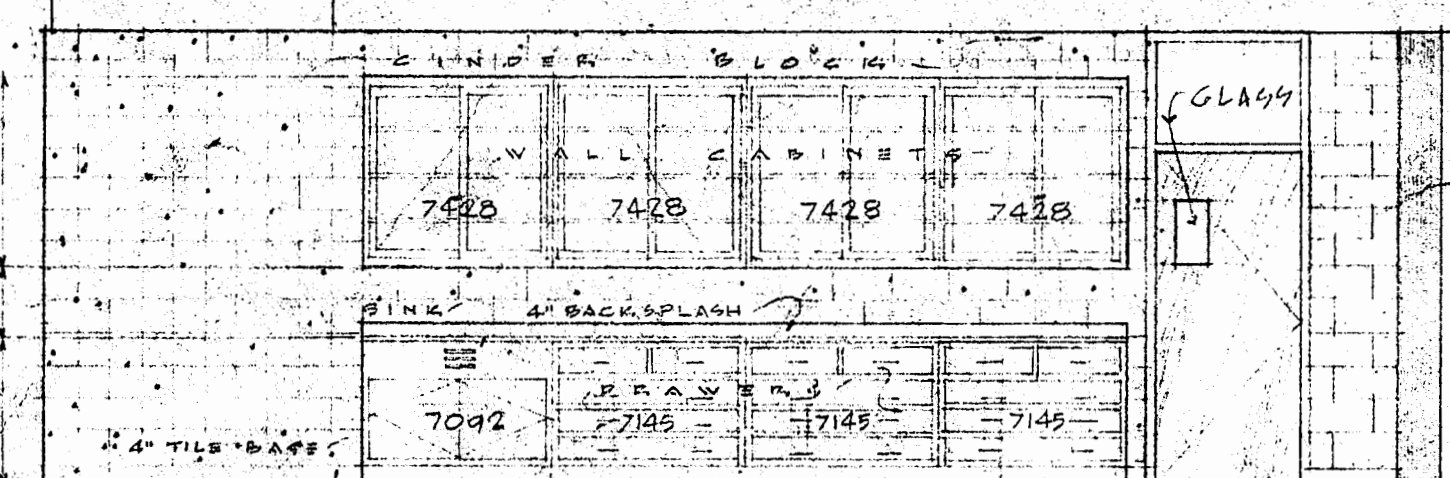
ELEVATION 6



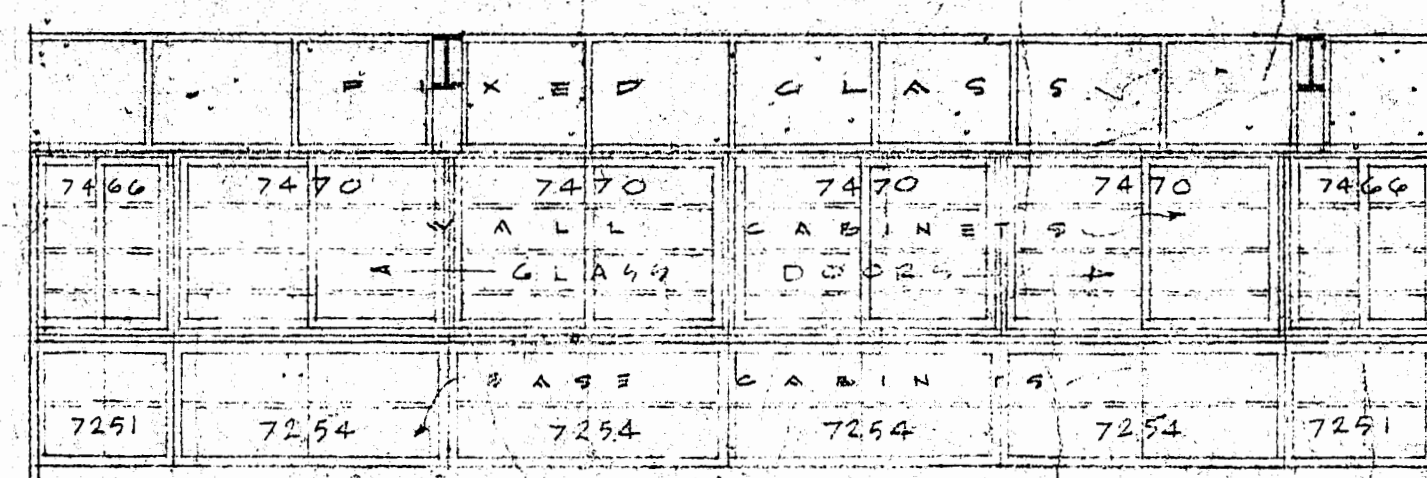
ELEVATION 7



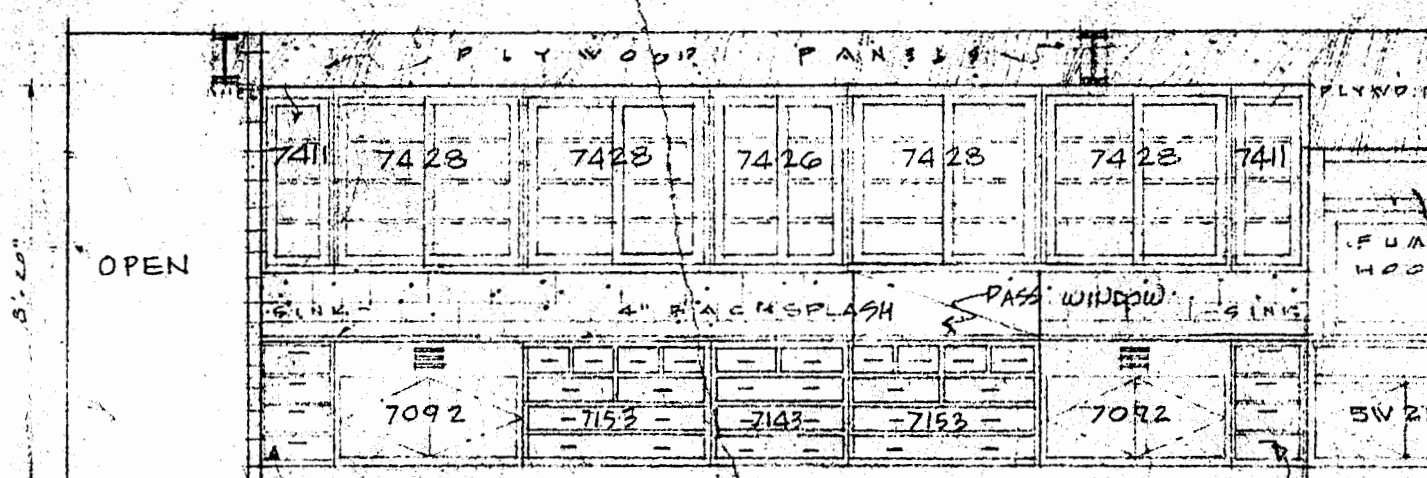
ELEVATION 8



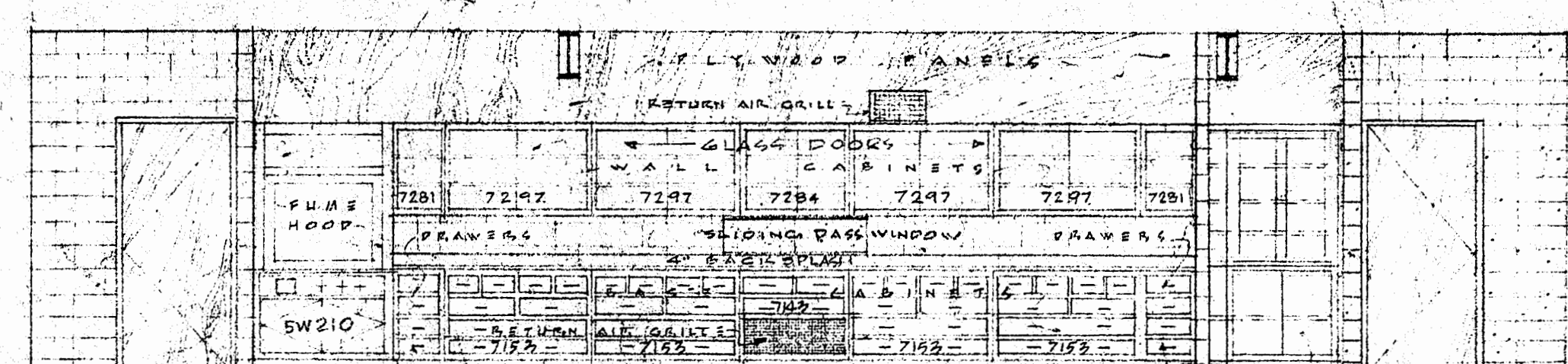
ELEVATION 9



ELEVATION 10



ELEVATION 11



ELEVATION 12

LABORATORIES & CLASS ROOMS ELEVATIONS 1/4" = 1'-0"

NOTES:  
NUMBERS ON CABINET  
ELEVATIONS REFER TO ?

LABORATORIES & SCIENCE CLASS RM. - PLAN SHEET

FRANKLIN HIGH SCHOOL  
FLAGG DRIVE  
FRANKLIN, MASSACHUSETTS

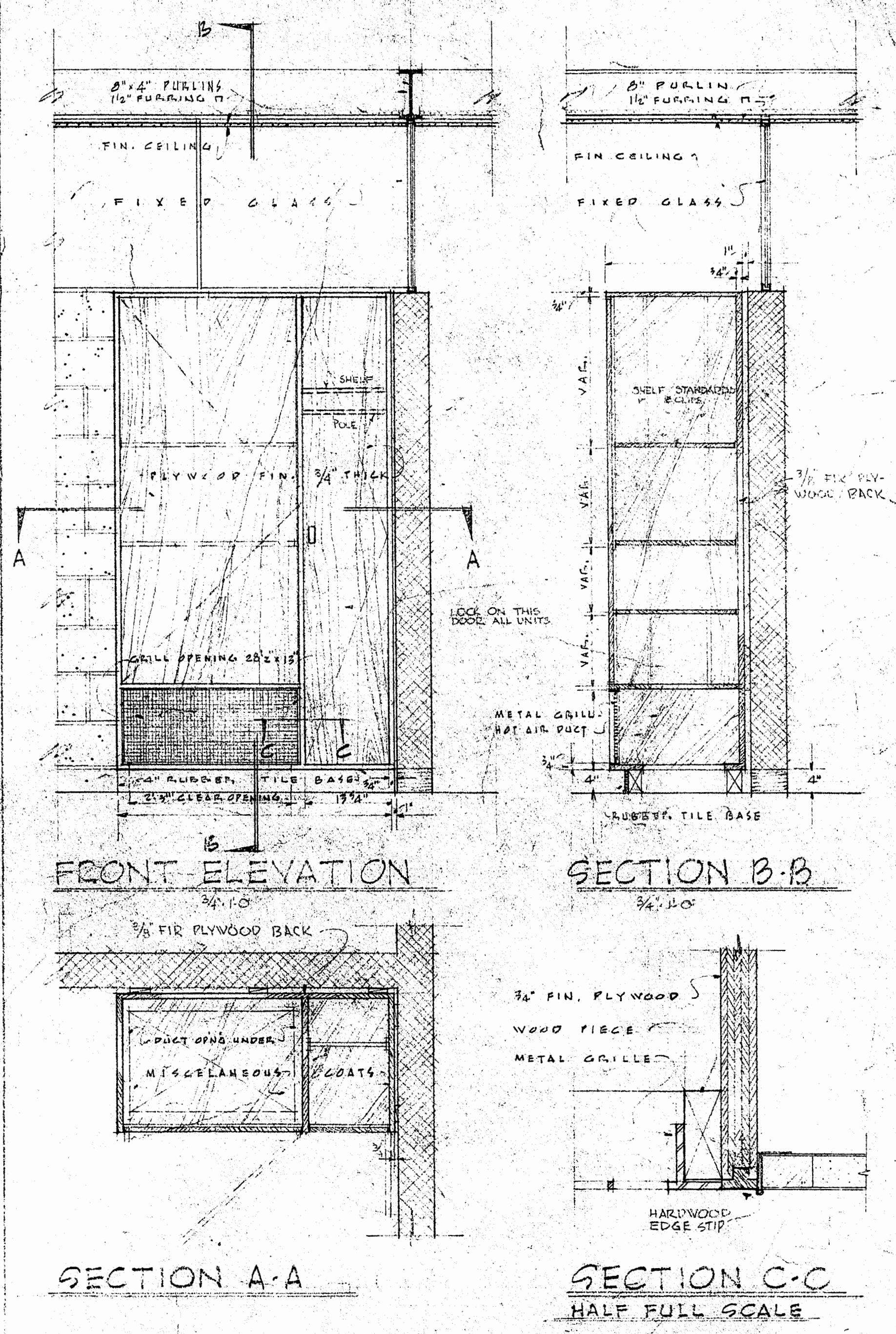
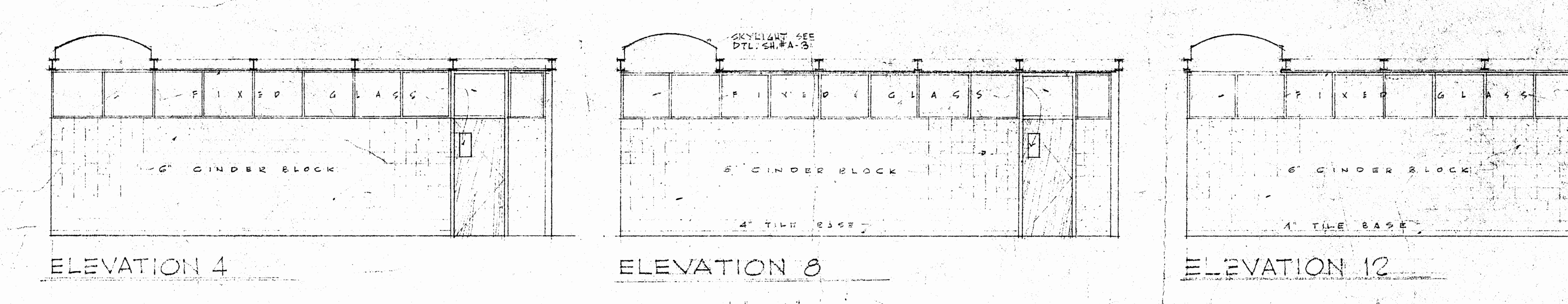
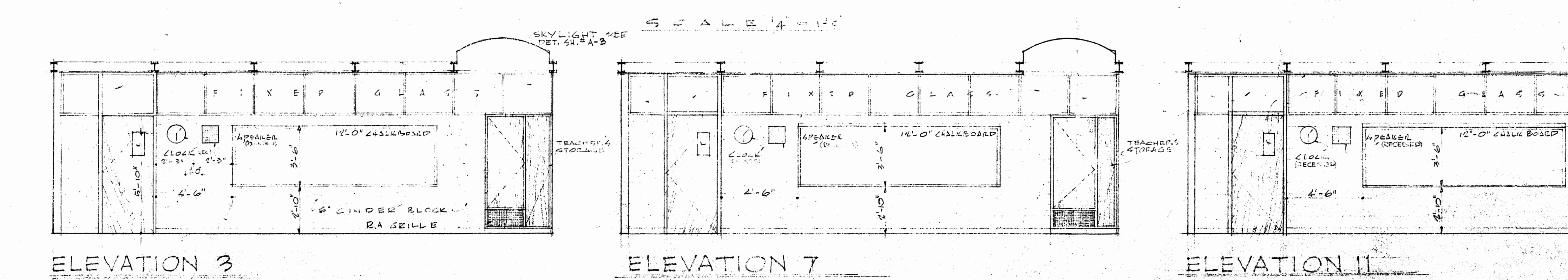
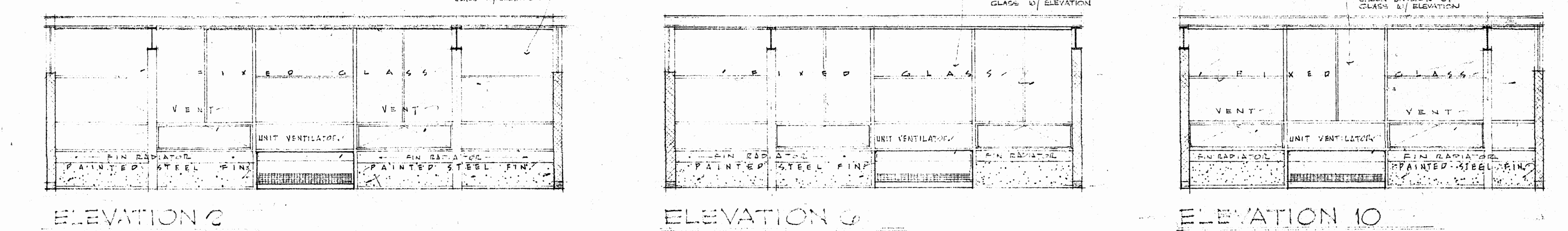
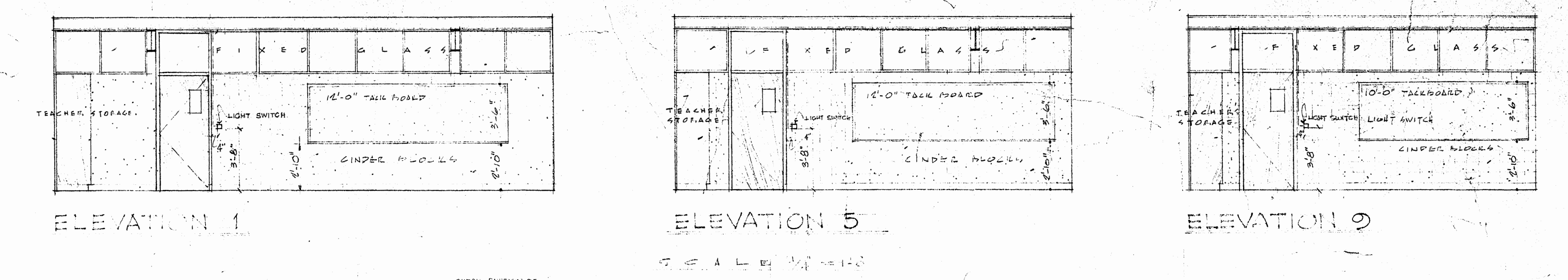
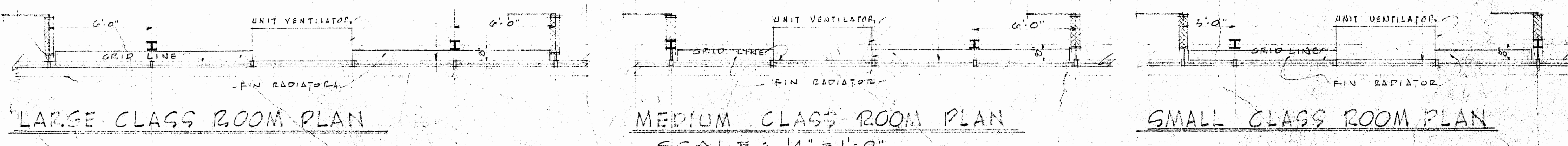
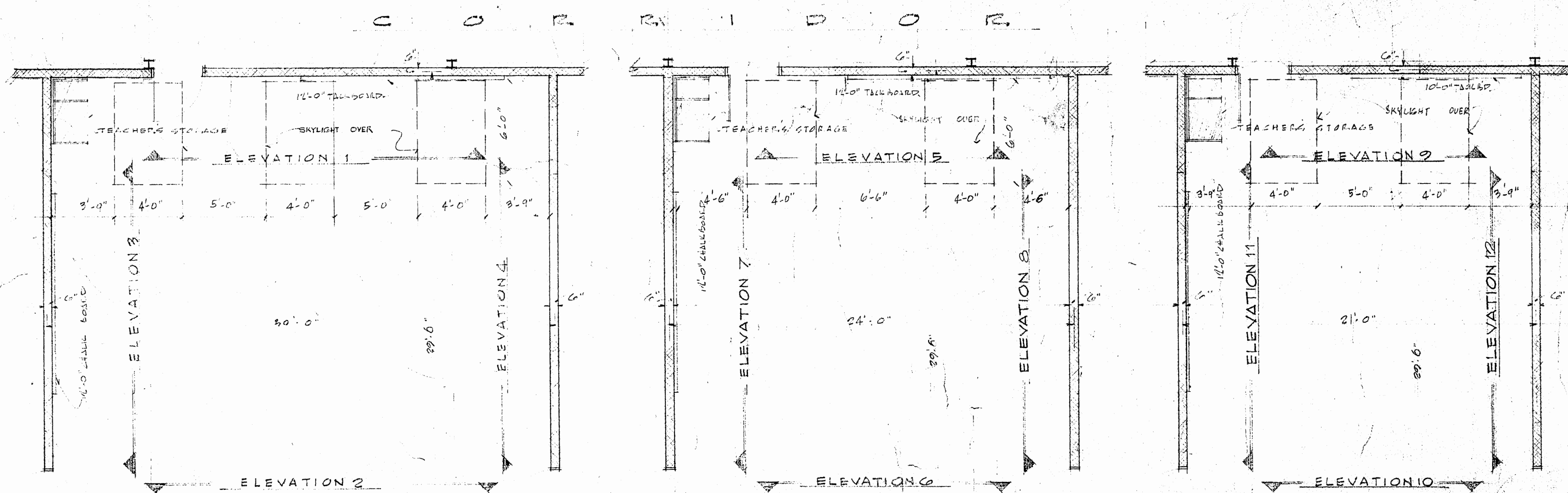
SAMUEL GLASER ENGINEERS  
ARCHITECTS & ENGINEERS  
105 NEWBURY STREET • BOSTON • MASSACHUSETTS

DRAWN BY A.Z. DATE MAY 25, 1956 JOB No. 3600  
CHECKED BY T.J.S. APPROVED BY

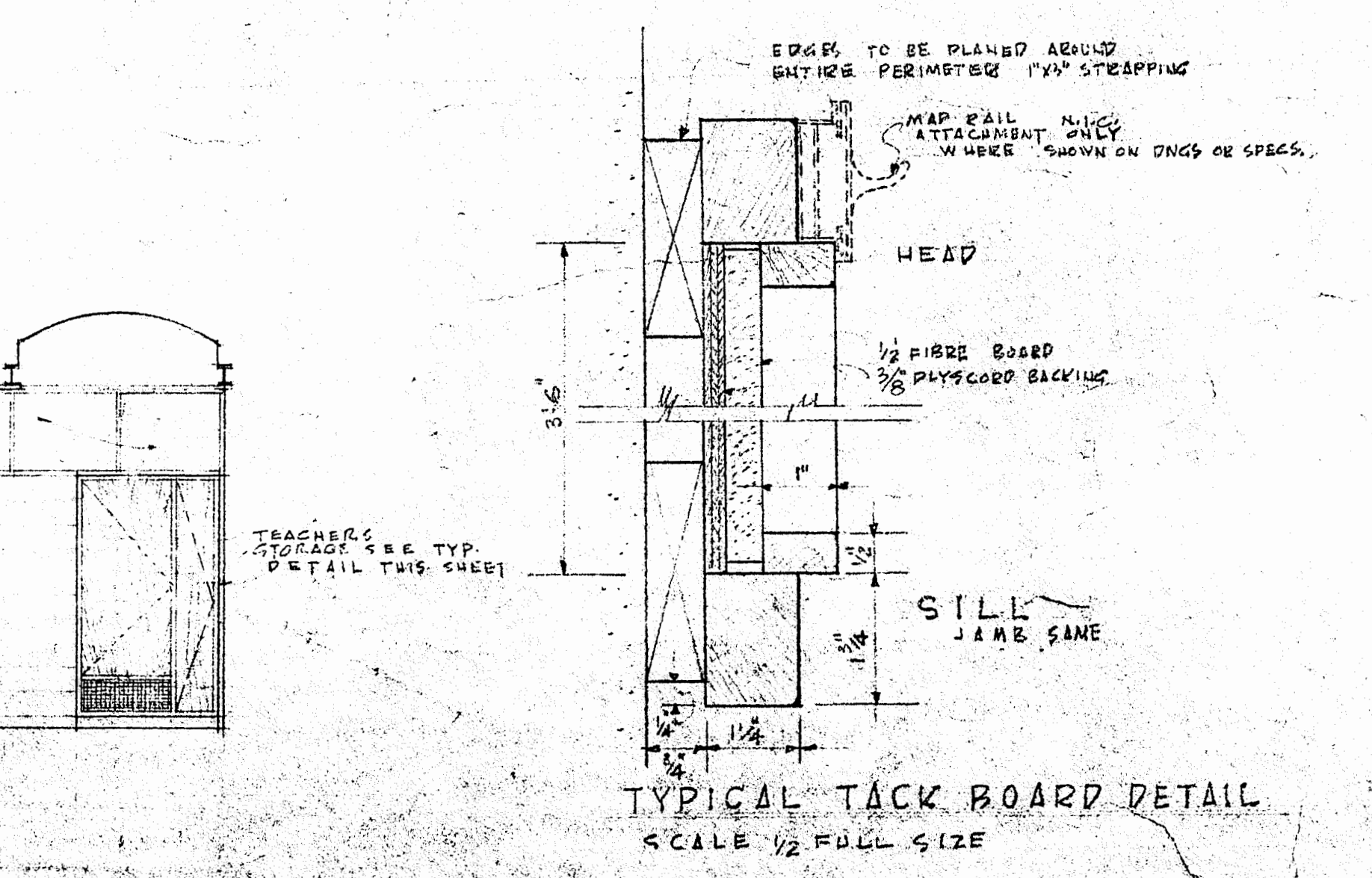
REGISTERED ARCHITECT  
No. 493  
CUSTON  
MASS.  
SOCIETY OF MASS.

DRAWING No. A-28

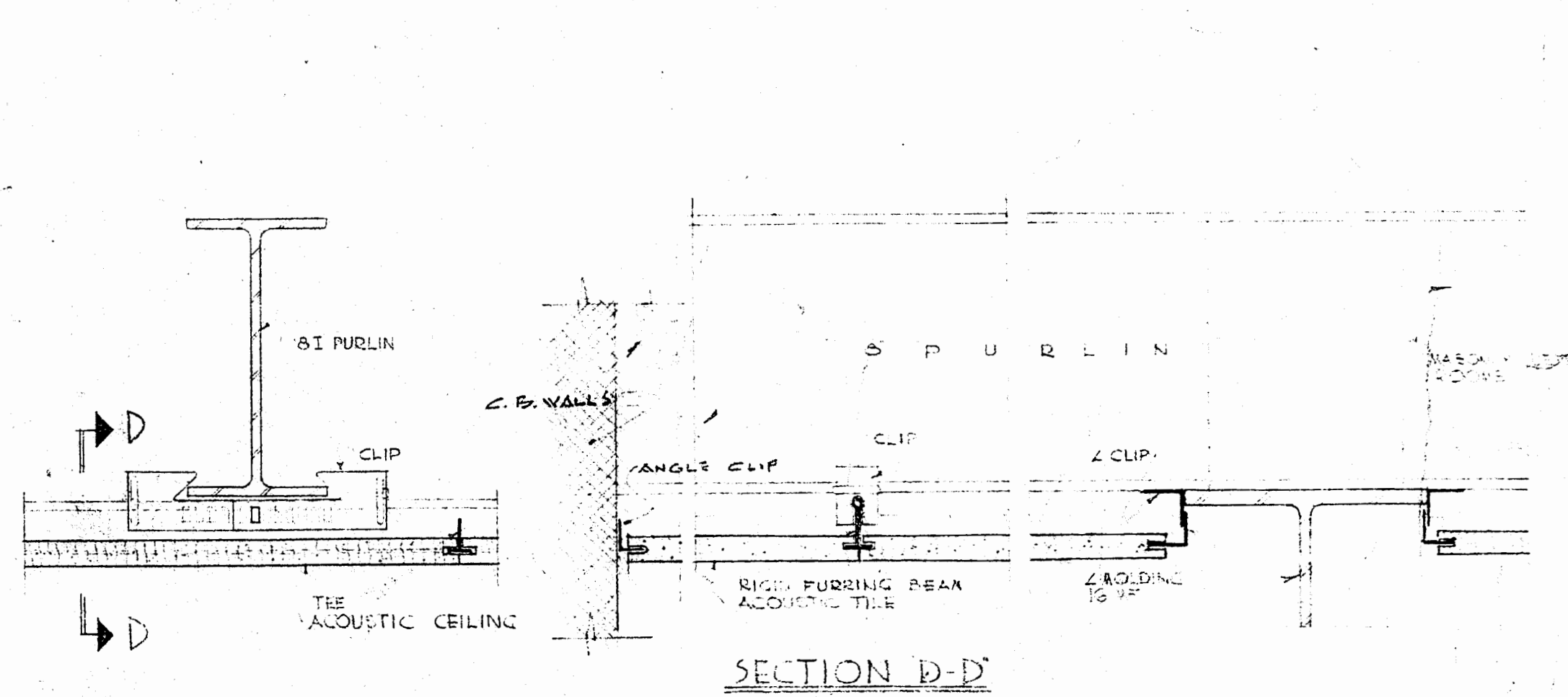




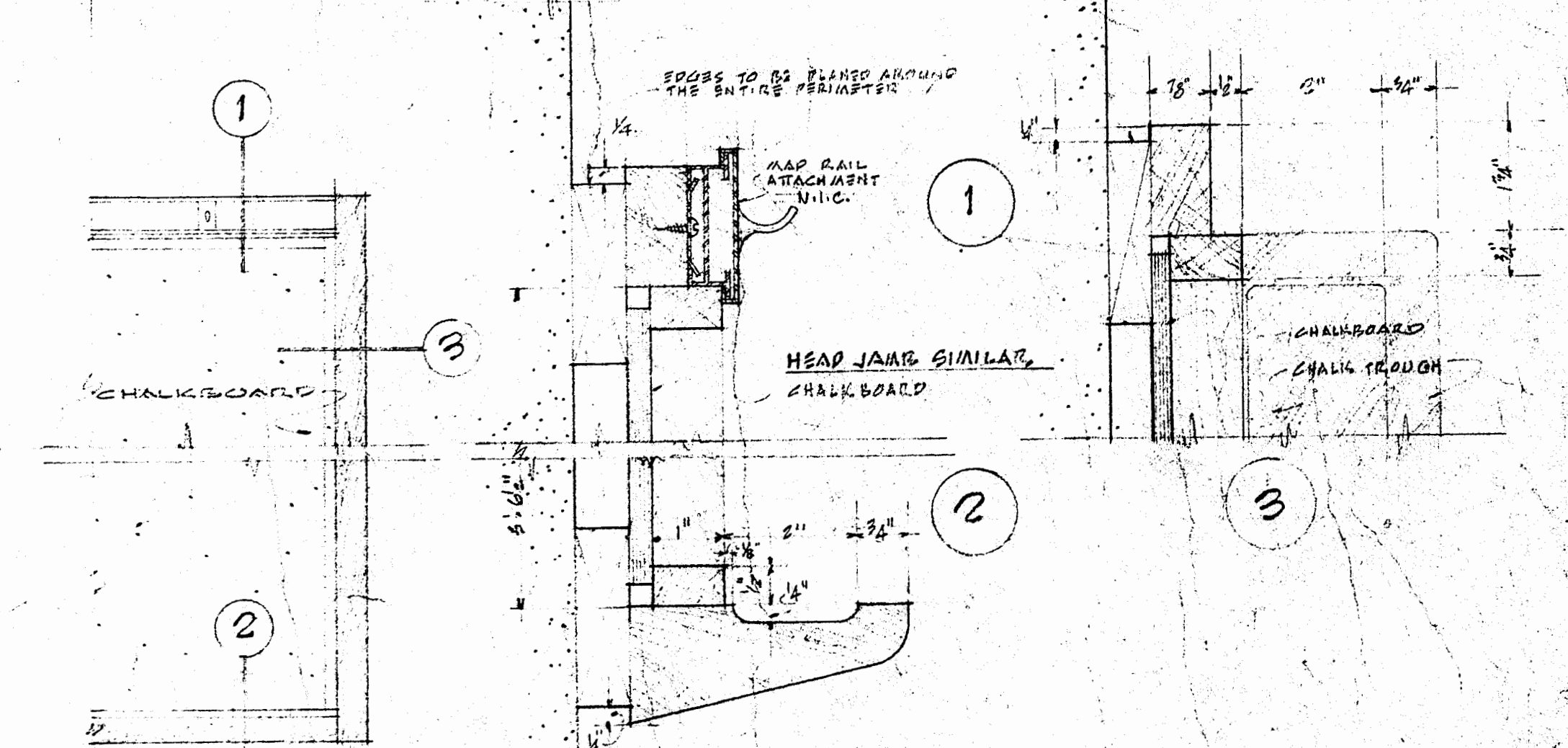
TYPICAL TEACHER'S CLOSET & GRILLE DETAIL  
REFER TO ARCHITECTURAL PLAN FOR LOCATION OF CLOSET & HEATING DRAWING FOR GRILLE REQUIREMENTS.



TYPICAL TACK BOARD DETAIL  
SCALE 1/2 FULL SIZE



CEILING SUSPENSION SYSTEM DETAILS  
ADMINISTRATION SECTION ONLY  
SCALE 3" = 1' - 0"



PARTIAL ELEVATIONS 1/4" = 1' - 0" TYPICAL CHALK TROUGH HALF FULL SCALE  
TYPICAL CHALK BOARD DETAIL

TYPICAL CLASS R.M. - PLANS & E.L.

FRAMINGHAM HIGH SCHOOL  
FRAMINGHAM DRIVE  
FRAMINGHAM, MASSACHUSETTS

SAMUEL GLASER ASSOCIATES  
ARCHITECTS & ENGINEERS  
100 NEWBURY STREET - BOSTON - MASSACHUSETTS

REGISTERED ARCHITECT  
No. 432  
BOSTON  
MASS.  
STATE OF MASSACHUSETTS

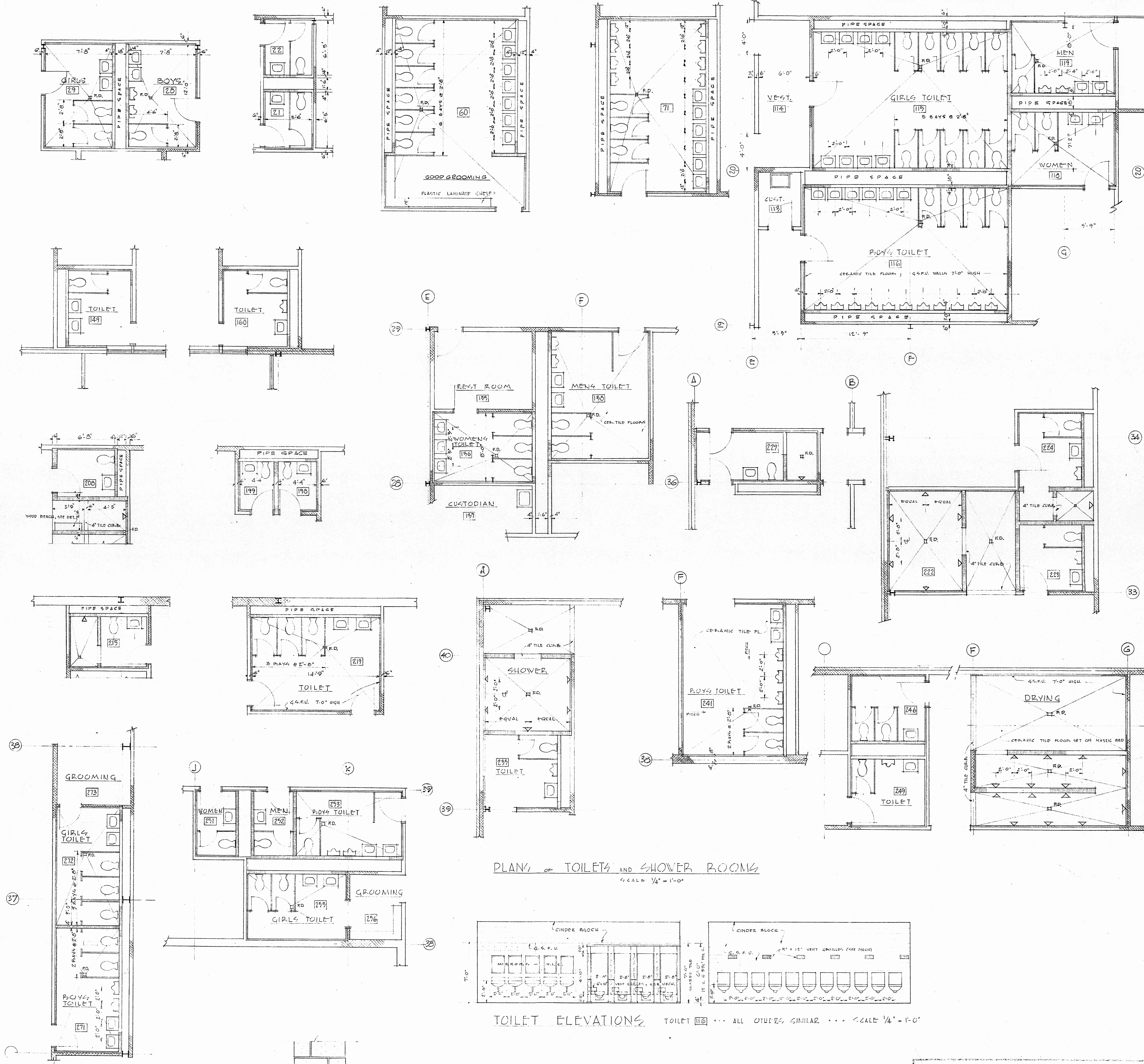
DRAWING No. 7600  
DATE MAY 25, 1956  
JOB No. 7600  
A29

DRAWN BY A. I.  
CHECKED BY T. G.  
APPROVED BY







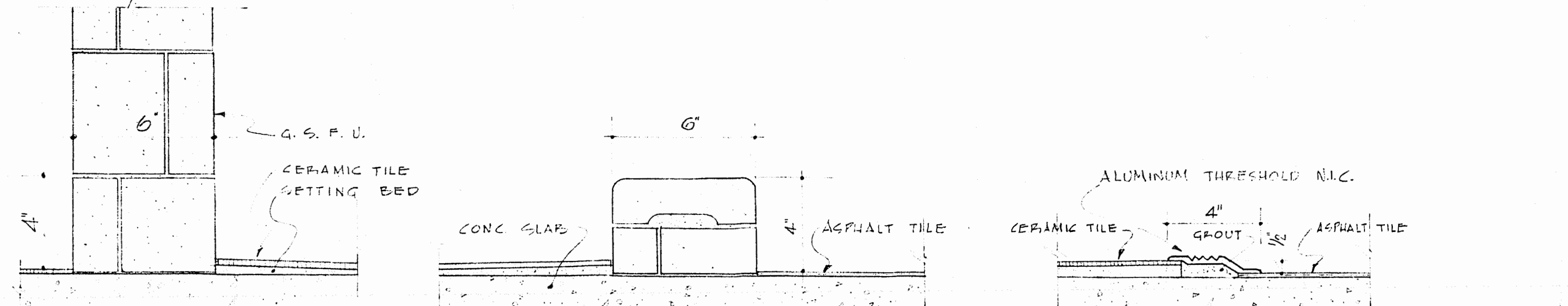


PLANS OF TOILETS AND SHOWER ROOMS

SCALE 1/4" = 1'-0"

TOILET ELEVATIONS

TOILET 118 ... ALL OTHERS SIMILAR ... SCALE 1/4" = 1'-0"



DETAIL OF TYPICAL SHOWER CURB

SCALE 3" = 1'-0"

TOILET ROOM THRESHOLD

**TOILET PLANS & ELEVATIONS**

FRAMINGHAM HIGH SCHOOL  
 FLAGG DRIVE  
 FRAMINGHAM, MASSACHUSETTS

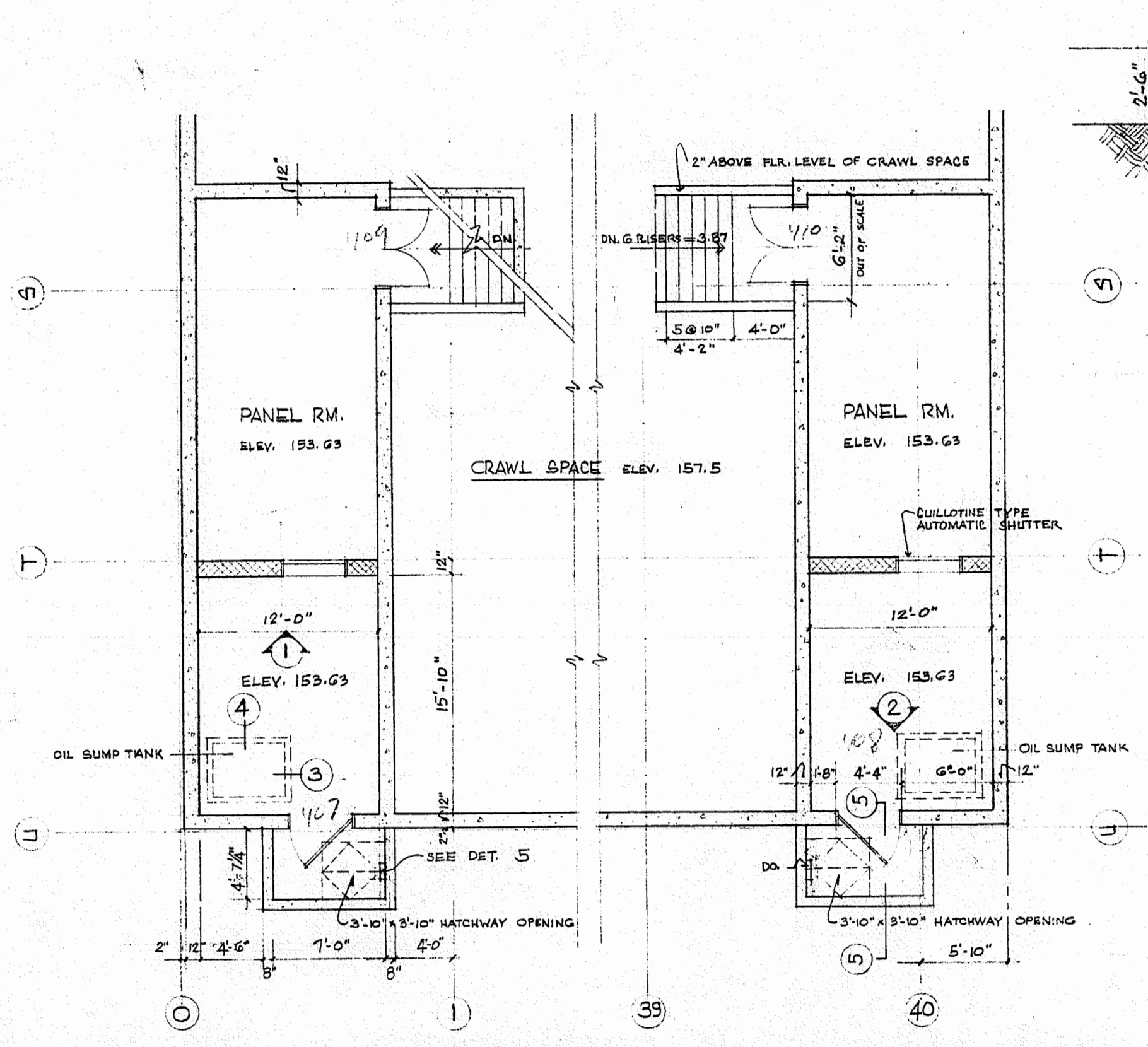
SAMUEL GLASER ASSOCIATES  
 ARCHITECTS - ENGINEERS  
 100 STATE STREET - BOSTON, MASS.

SEAL: REGISTERED ARCHITECT, No. 483, BOSTON, MASS.

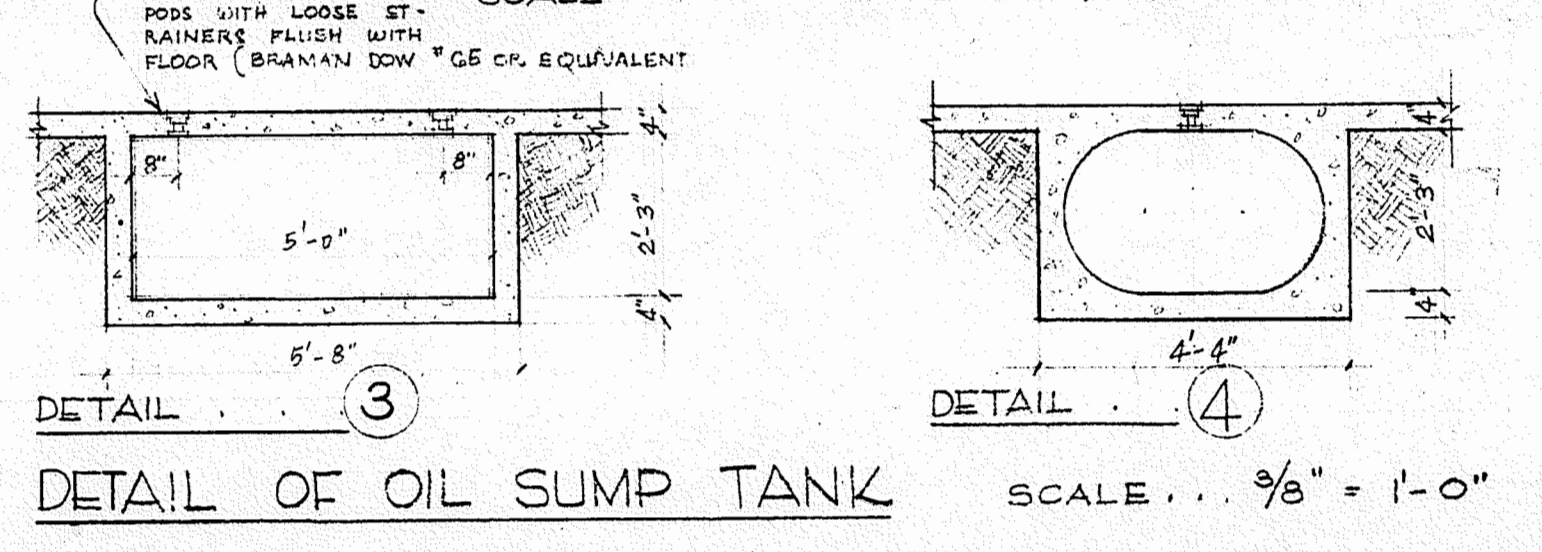
DRAWN BY L.L.D. DATE: MAY 25, 1956  
 CHECKED BY T.J.S. APPROVED BY: 5608

**A-31**

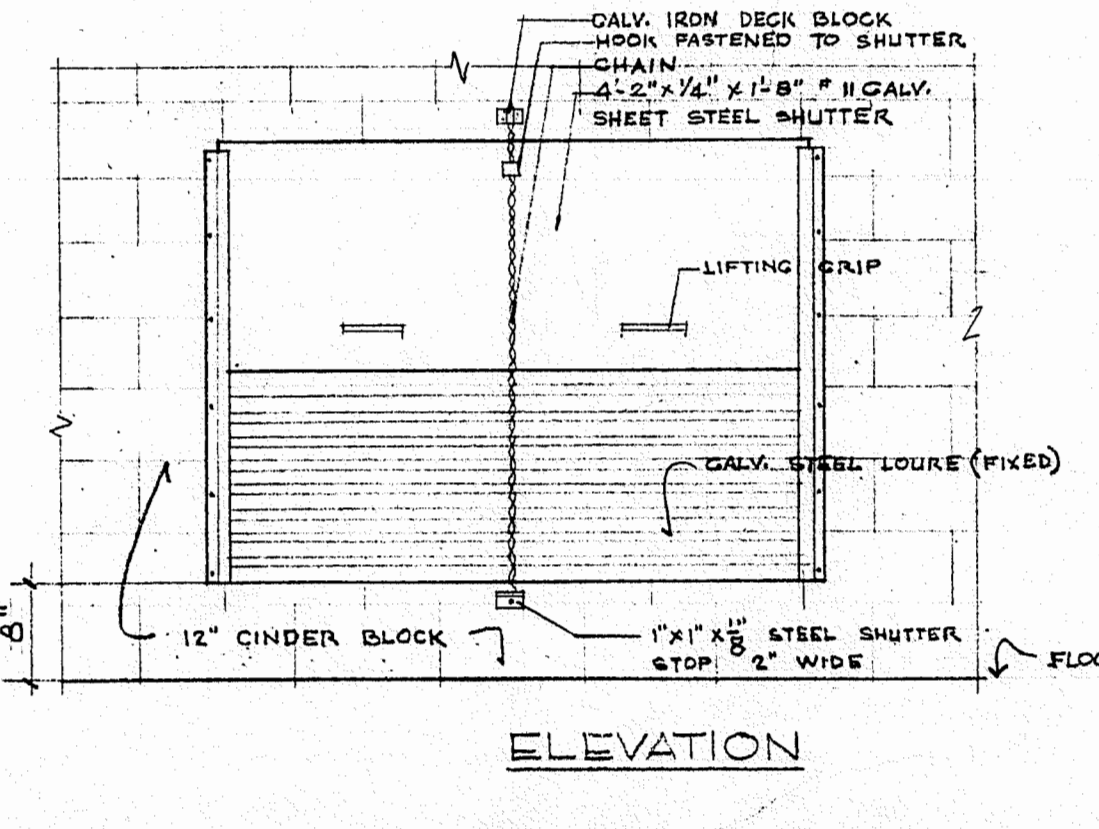
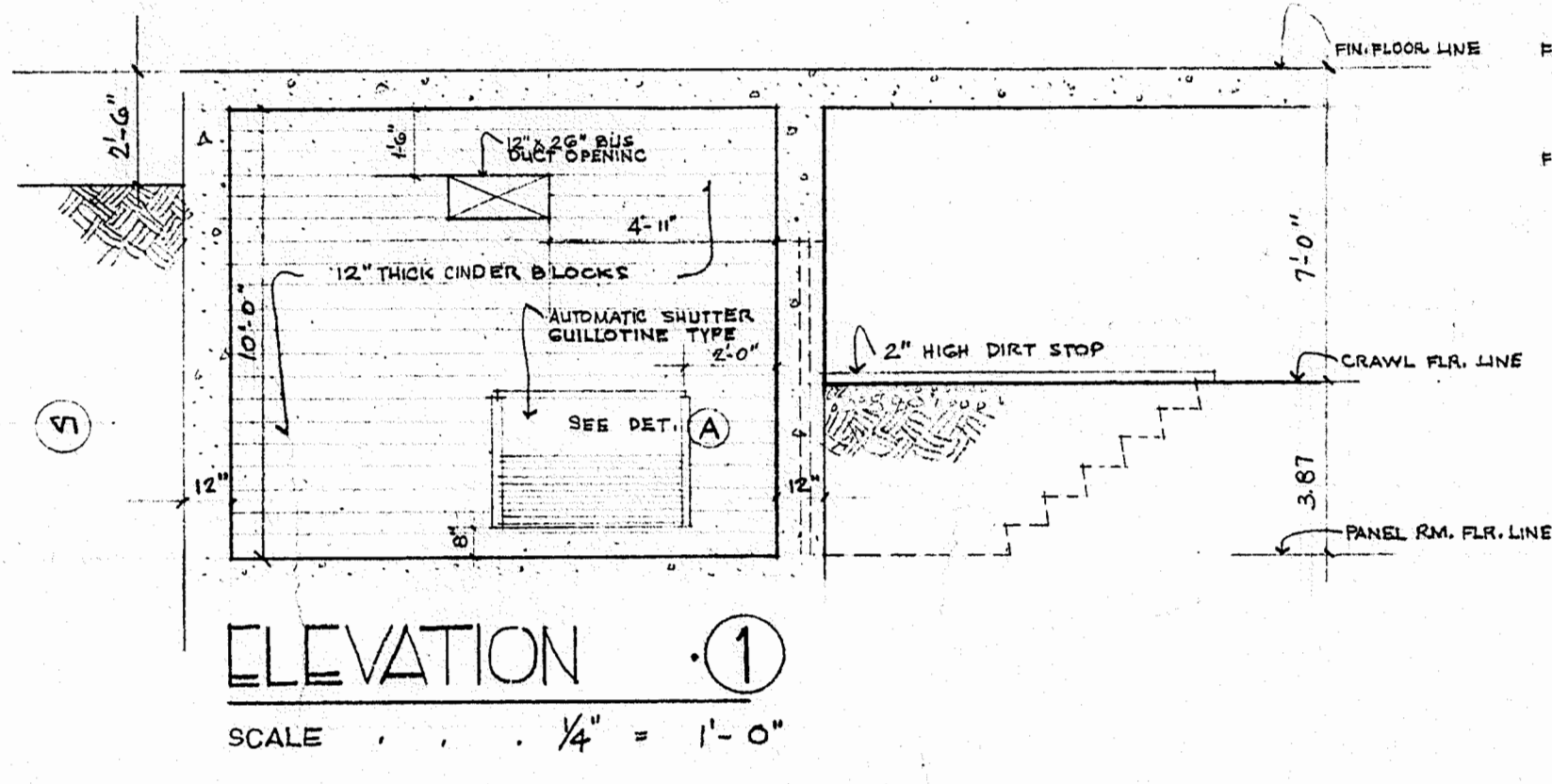




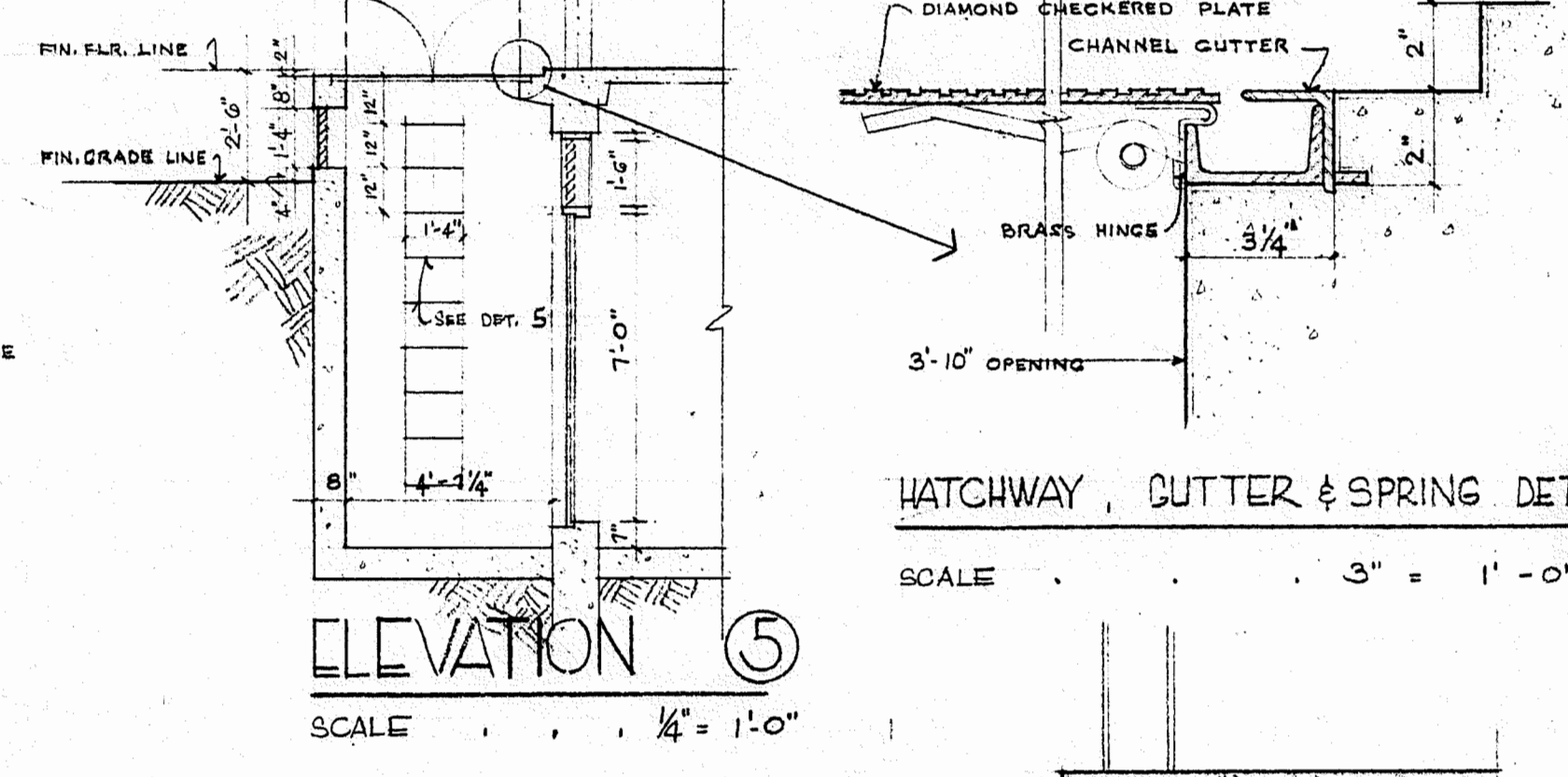
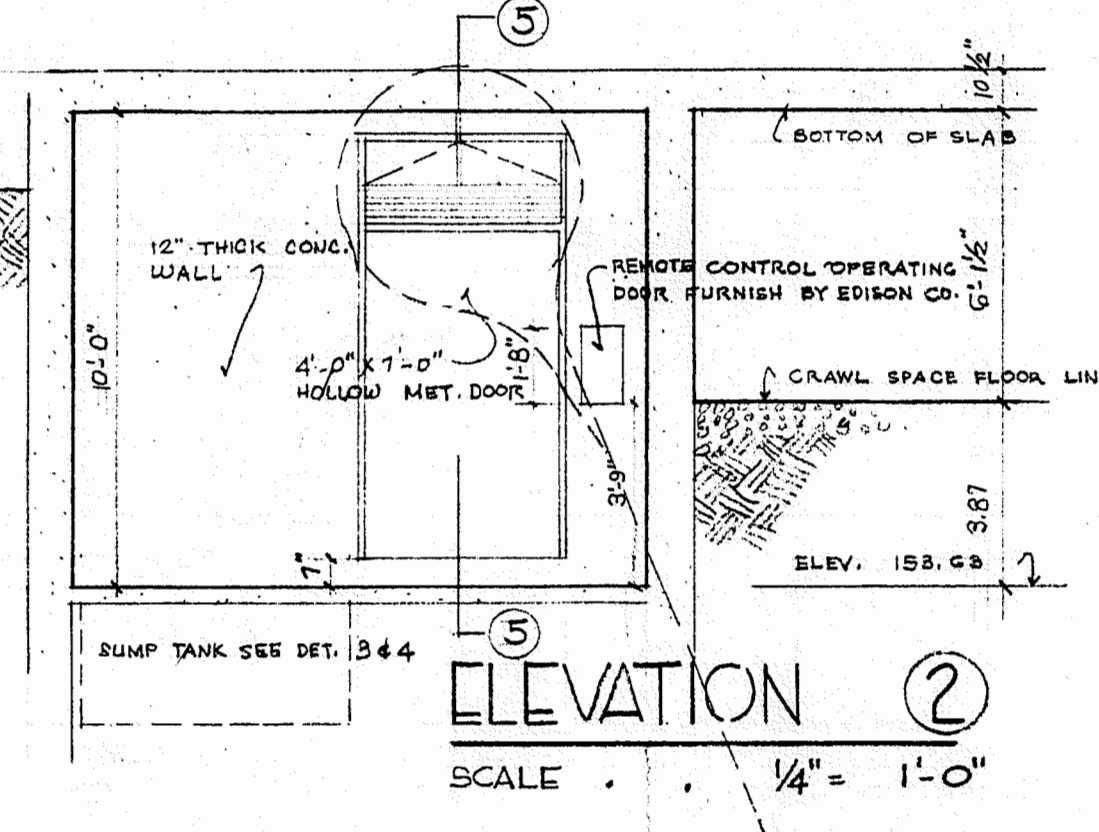
TRANSFORMER VAULTS PLAN  
SCALE 1/8" = 1'-0"



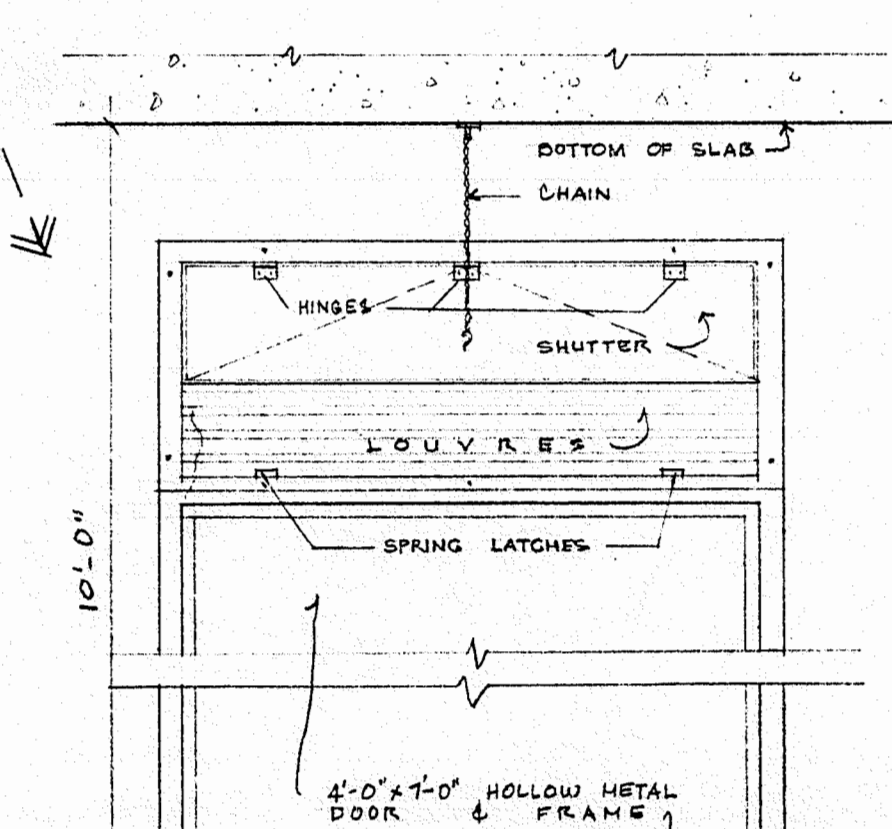
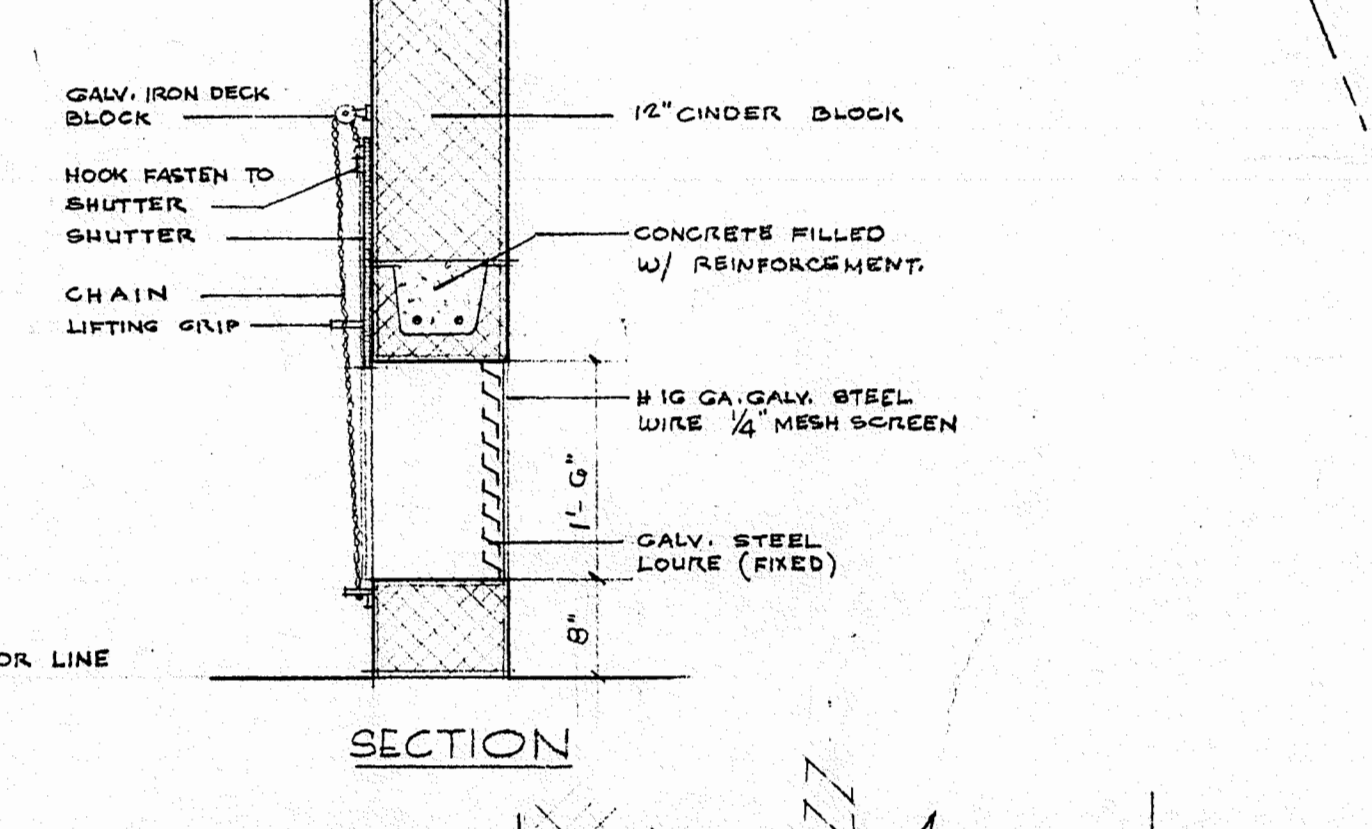
DETAIL OF OIL SUMP TANK  
SCALE 3/8" = 1'-0"



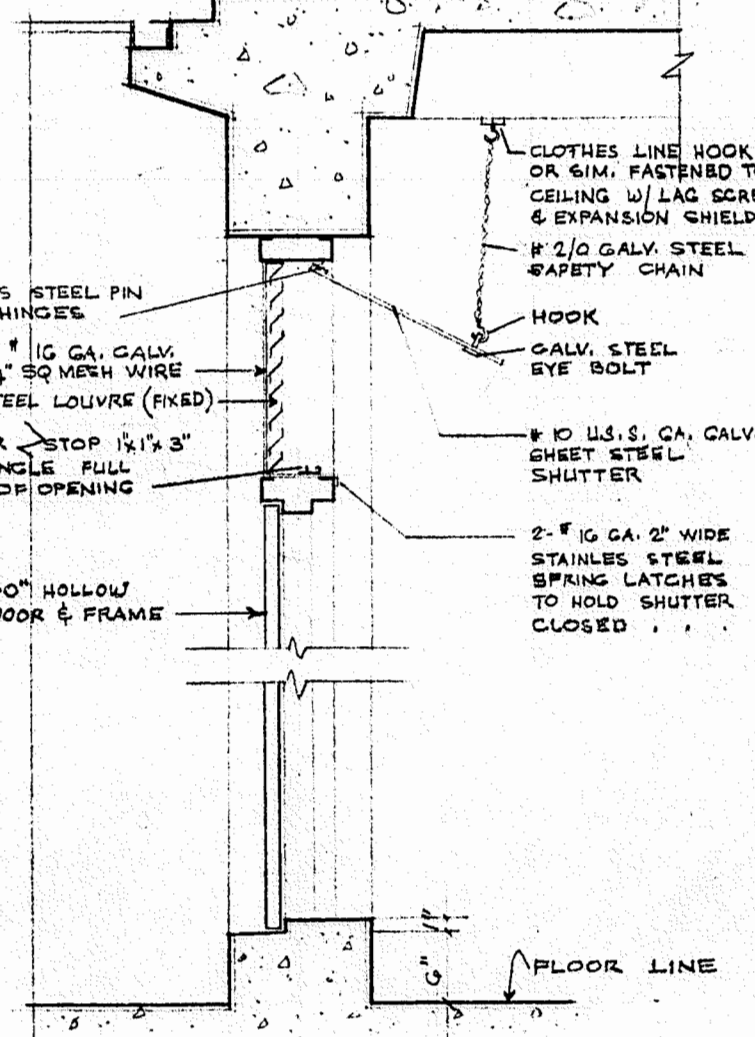
DET. A PLAN  
AUTOMATIC VENTILATING SHUTTER  
SCALE 3/4" = 1'-0"



HATCHWAY, GUTTER & SPRING DET.  
SCALE 3" = 1'-0"

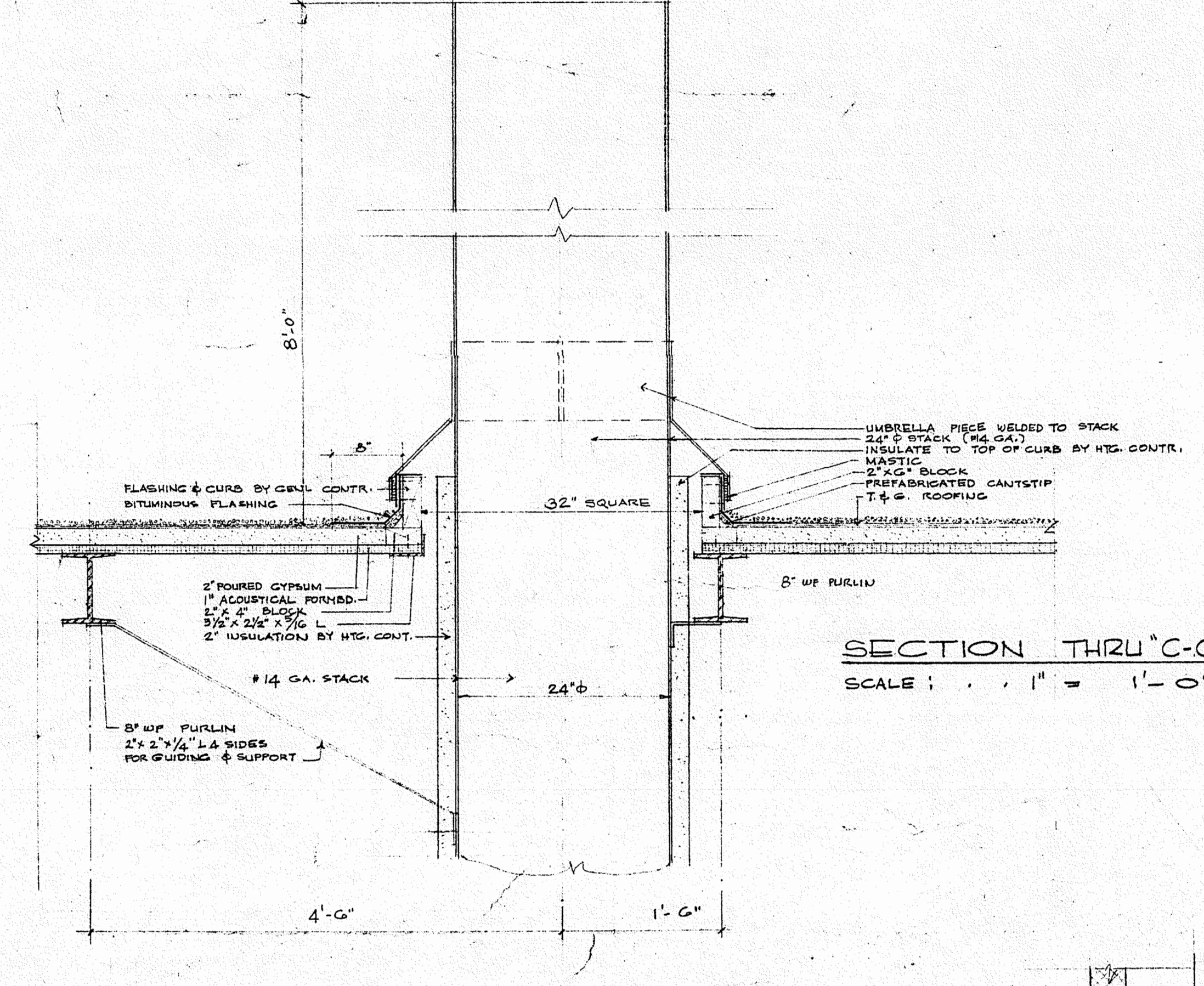
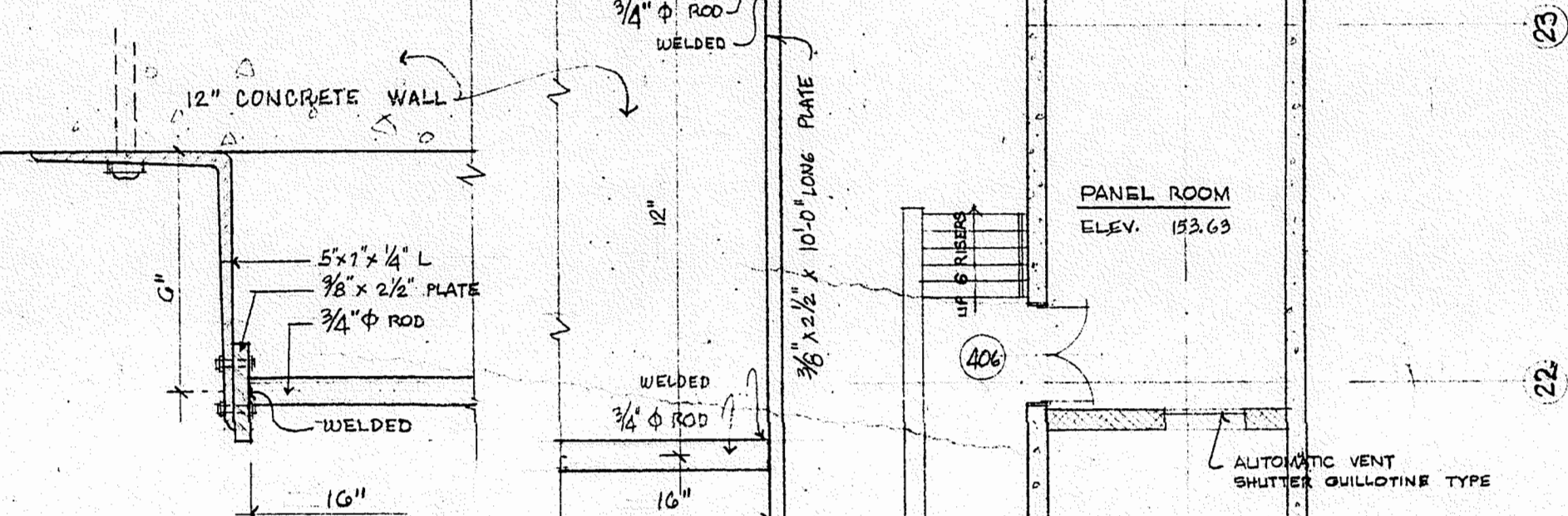
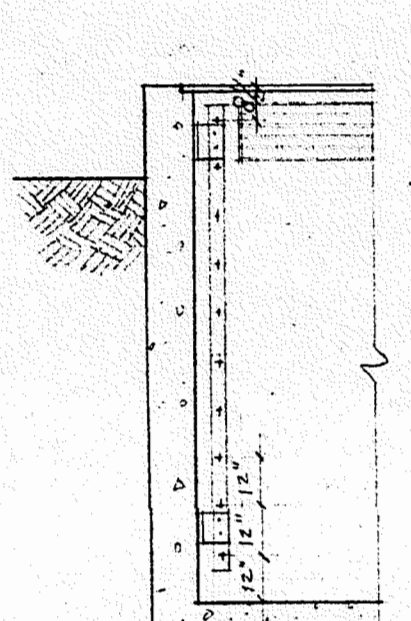
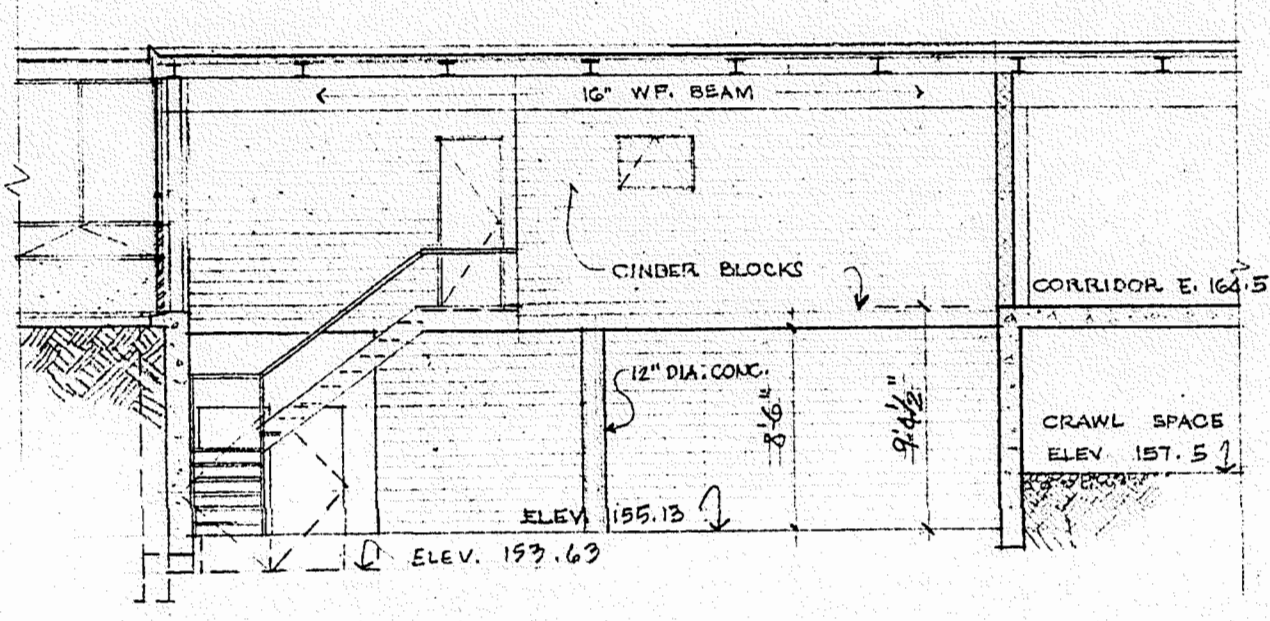


ELEVATION  
SCALE 3/4" = 1'-0"



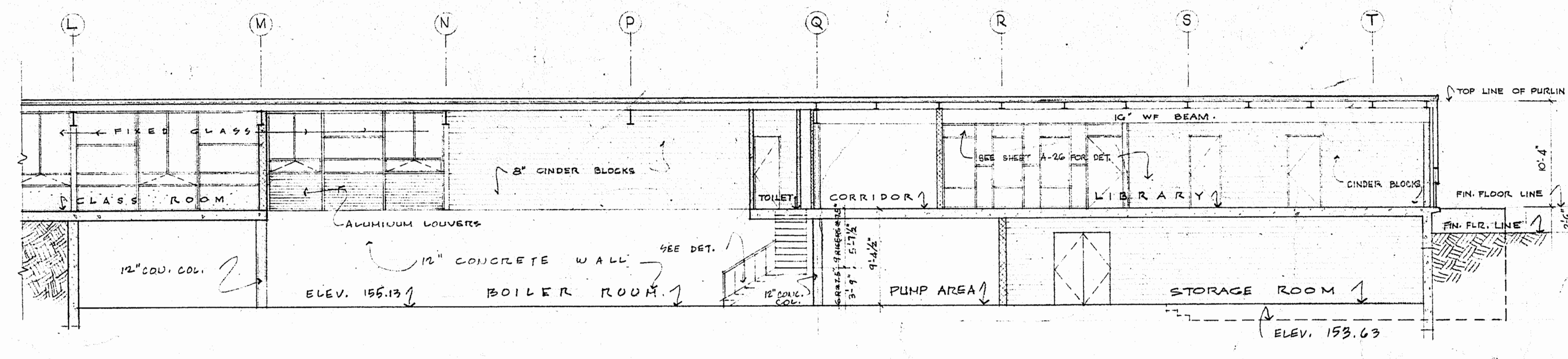
SECTION  
SCALE 3/4" = 1'-0"

5 TYP DET. OF LADDER AT AREAWAY  
SCALE AS INDICATED

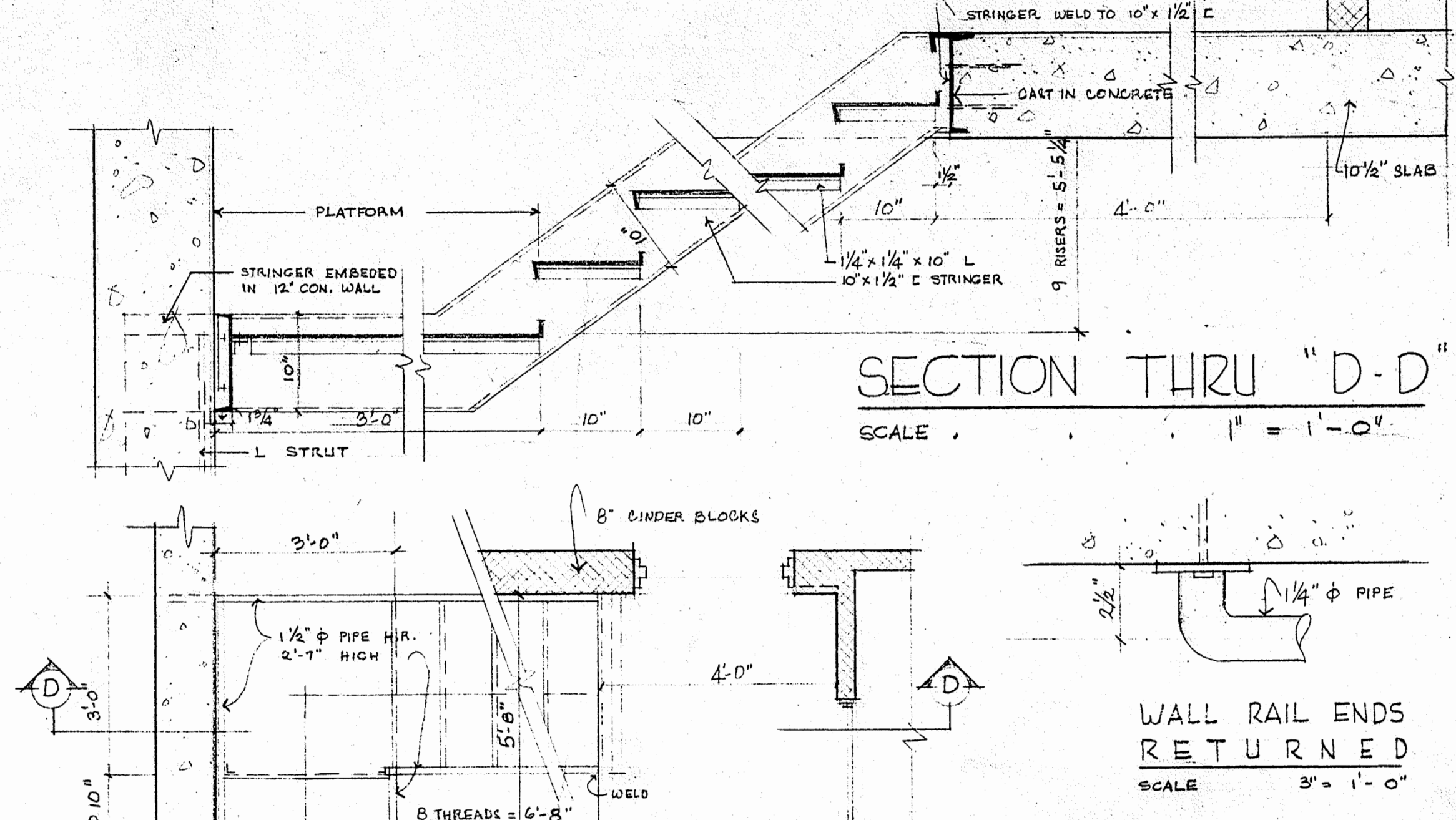


BOILER ROOM CHIMNEY DETAIL  
SCALE 1" = 1'-0"

BOILER ROOM FLOOR PLAN  
SCALE 1/8" = 1'-0"



SECTION THRU "A-A"  
SCALE 1/8" = 1'-0"



WALL RAIL ENDS RETURNED  
SCALE 3" = 1'-0"

PLAN  
SCALE 1/4" = 1'-0"

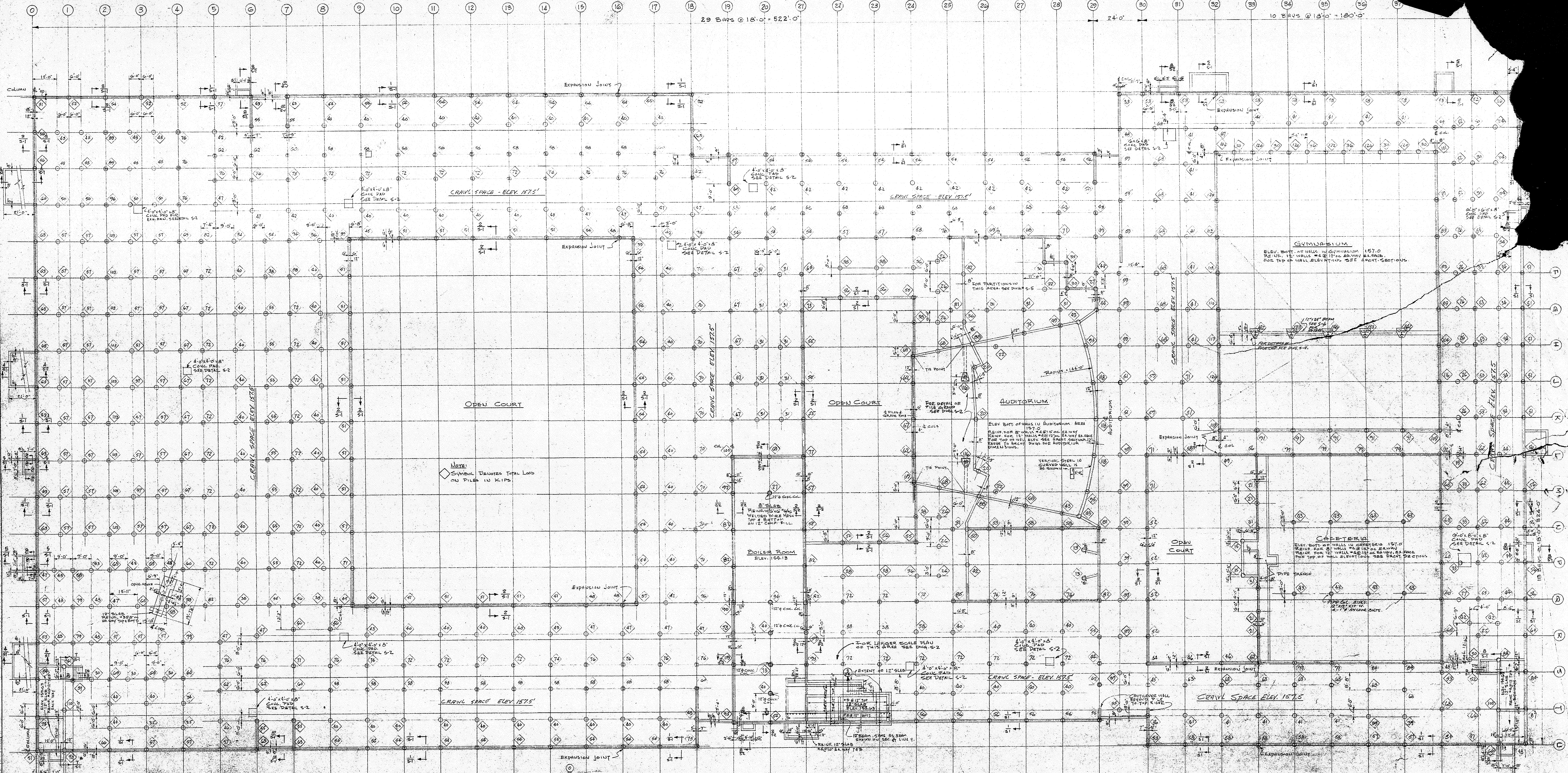
BOILER ROOM & AREAWAY DETAIL

FRAMINGHAM HIGH SCHOOL  
FLAGG DRIVE  
FRAMINGHAM MASSACHUSETTS  
SAMUEL CLASER ASSOCIATES  
ARCHITECTS & ENGINEERS  
158 NEWBURY STREET - BOSTON, MASSACHUSETTS

DRAWING NO. 5600  
DRAWN BY J.H.O. DATE MAY 25, 1956  
CHECKED BY T.J.C. APPROVED BY

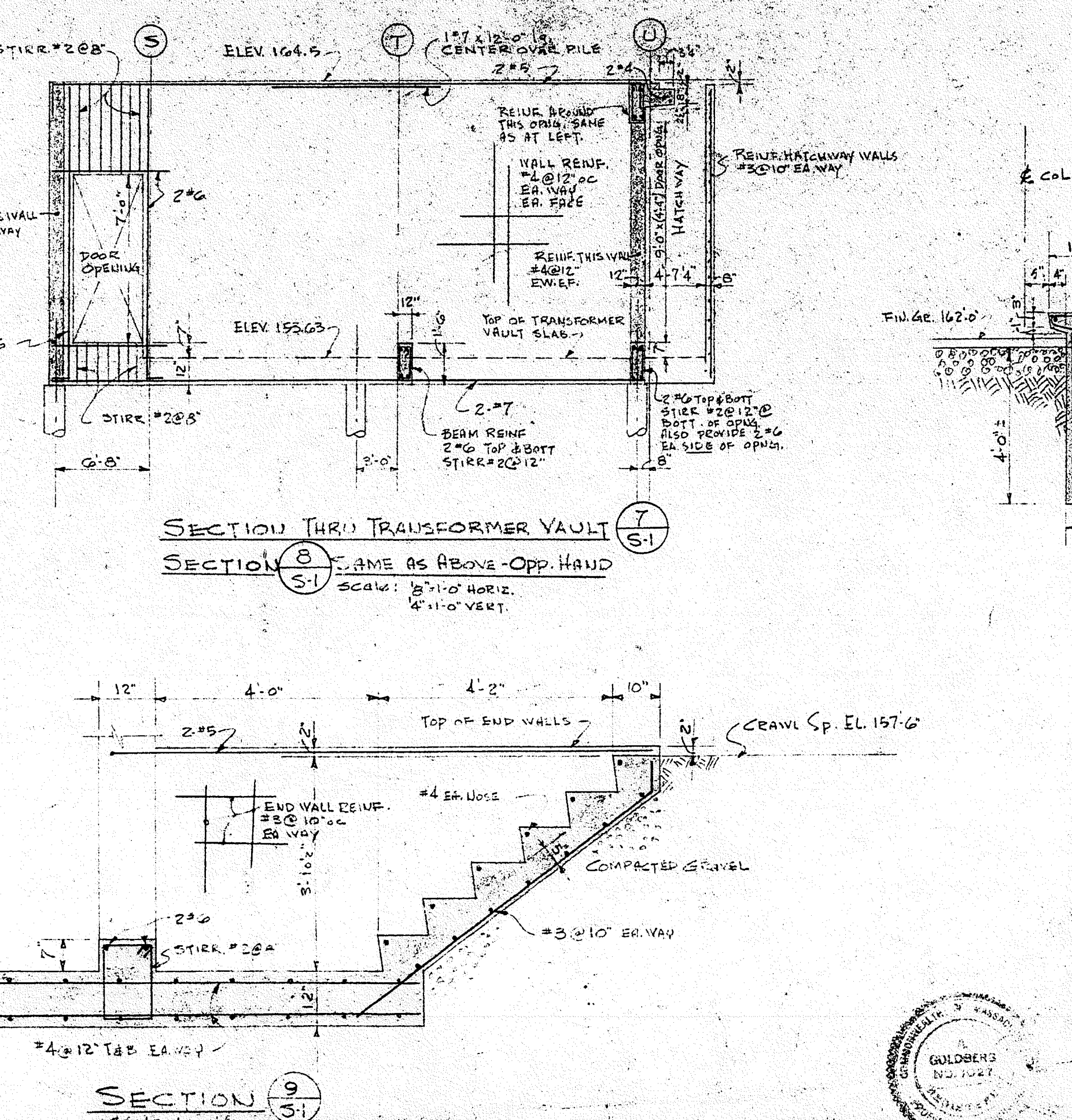
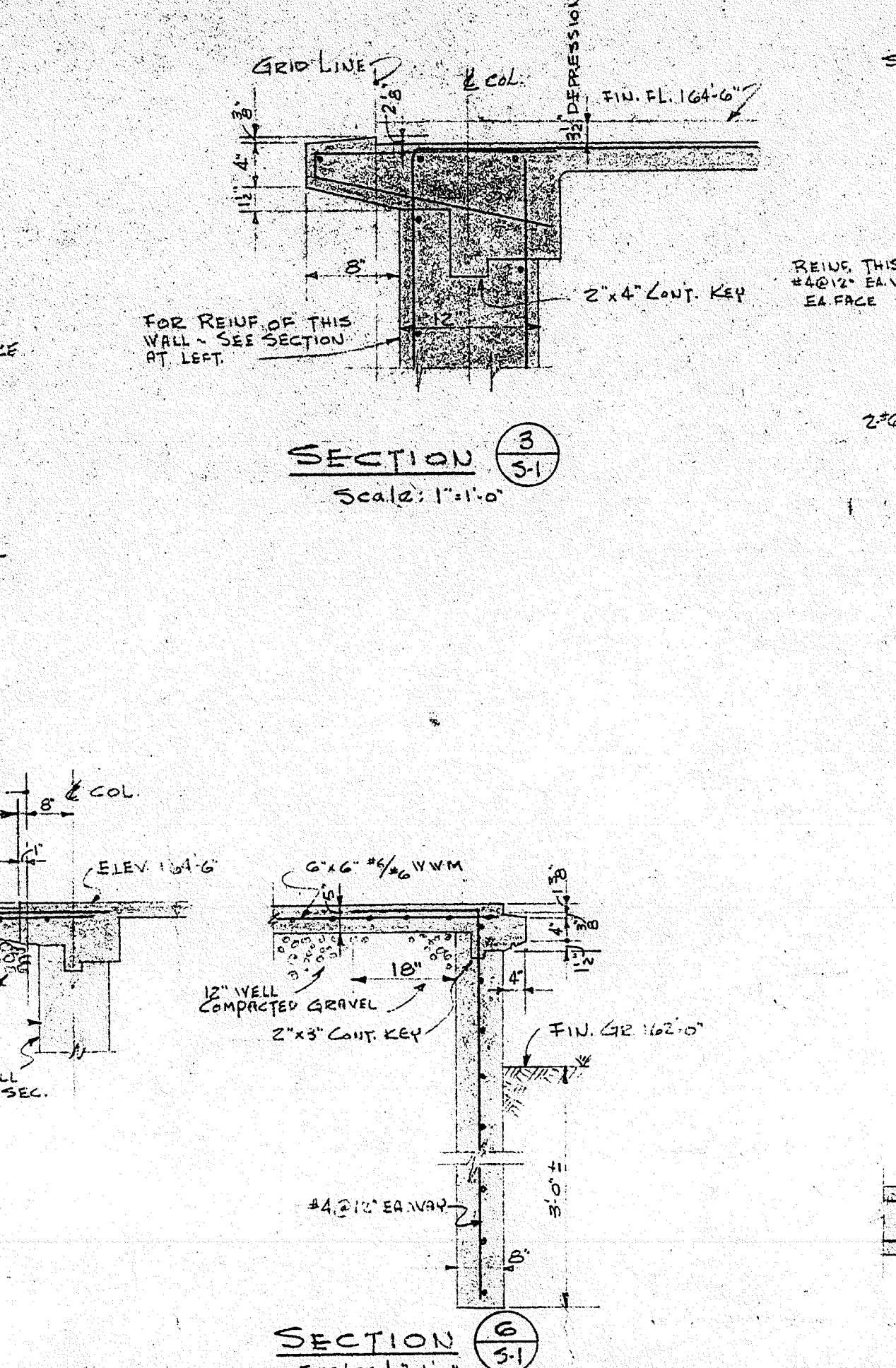
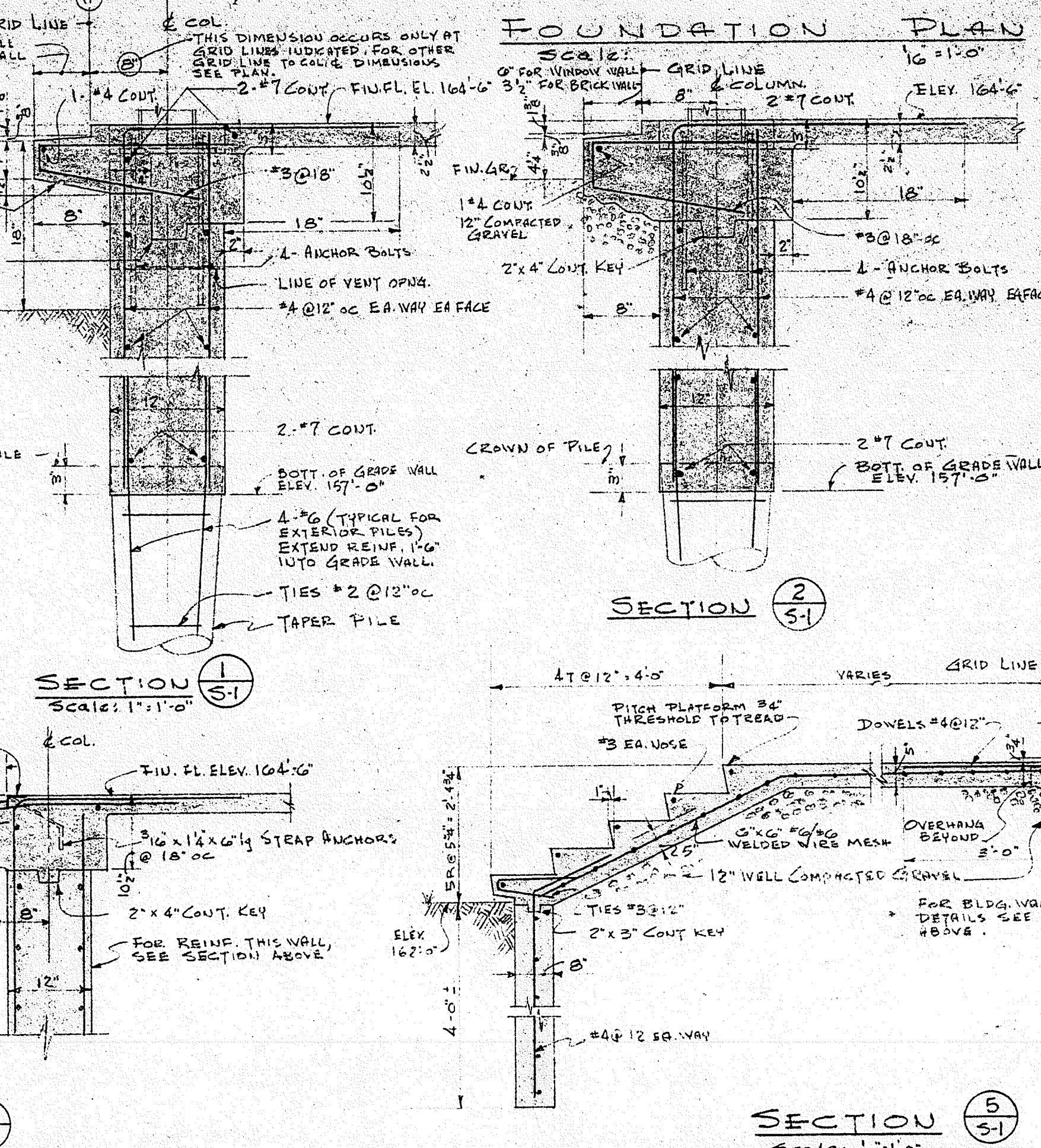
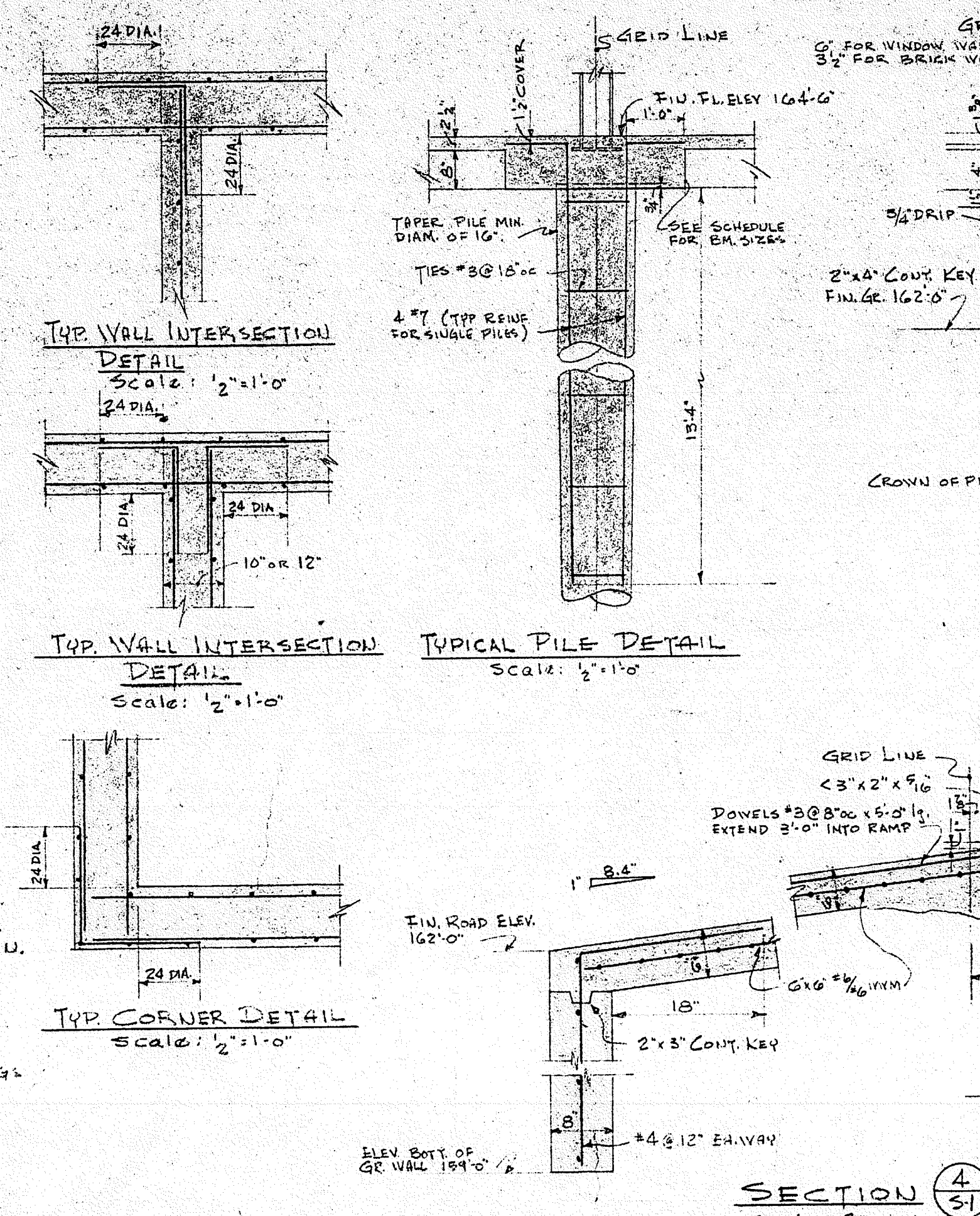
A-32





**GENERAL NOTES**

1. ALL CONCRETE, INCLUDING CONCRETE FOR FOUNDATIONS, CAST-IN-PLACE CONCRETE PILES, PILE CAPS, FLOOR FRAMING, WALLS, PLATFORMS AND ENTRANCE STAIRS, SHALL BE OF CONTROLLED MIX AND SHALL ATTAIN AN ULTIMATE COMPRESSIVE STRENGTH OF 5000 PSI AT THE END OF 28 DAYS.
2. ALL REINFORCING STEEL SHALL BE DEFORMED BARS OR INTERMEDIATE GRADE, NEW BILLET STEEL, 2" OR 3" DIA. PER SECTION.
3. WELDED STEEL WIRE MESH REINFORCEMENT SHALL CONFORM TO THE LATEST EDITION OF A.S.T.M. STANDARD SPECIFICATION.
4. WHERE CONTINUOUS BARS ARE CALLED FOR, INDICATED OR REQUIRED, THEY SHALL BE RUN CONTINUOUSLY AROUND CORNERS, LAPPED 24 DIAMETERS AT NECESSARY SPICES AND WELDED AT DISCONTINUOUS SPICES.
5. UNLESS OTHERWISE NOTED, PROVIDE AT ALL 4 SIDES OF OPENINGS IN SLABS OR WALLS, 2 #5 BARS EXTENDING 2'-0" BEYOND OPENING OR WELDED IF NECESSARY.
6. PROVIDE ALL NECESSARY ACCESSORIES TO HOLD THE REINFORCING SECURELY IN ACCURATE POSITION.
7. MINIMUM CLEARANCES OF REINFORCING BARS FROM ADJACENT CONCRETE SURFACES SHALL BE:
  - a. WHERE UNFORMED FACE OF CONCRETE IS IN CONTACT WITH EARTH - 3"
  - b. WHERE FORMED FACE OF CONCRETE IS IN CONTACT WITH EARTH OR EXPOSED TO WEATHER - 2"
  - c. IN BEAMS, INTERIOR FACES OF WALLS - 1 1/2", EXCEPT AS NOTED
  - d. IN SLABS - 3"
8. ALL SLABS AND BEAMS SHALL BE PLACED WITHOUT HORIZONTAL CONSTRUCTION JOINTS. VERTICAL CONSTRUCTION JOINTS & STOPS IN CONCRETE WORK SHALL BE MADE AT MIDSPAN OR AT POINTS OF MINIMUM SHEAR.
9. FOUNDATION WALLS SHALL BE CARRIED DOWN A MINIMUM OF 3'-0" BELOW FINISH GRADE OR 6" BELOW GRADE.
10. WALL FOUNDATION & GRADE WALLS SHALL BE BEACED DURING THE OPERATION OF BACKFILLING & TAMPING.
11. PILES SHALL BE CAST-IN-PLACE CONCRETE PILES, WITH A STEEL SHELL. 12 BENTS OF ALL INTERIOR PILES SHALL HAVE A MINIMUM BENT DIAMETER OF 16". BENTS OF ALL EXTERIOR PILES OR PERIMETER OF BUILDING SHALL HAVE A MIN. DIAMETER OF 16" EXCEPT AS OTHERWISE NOTED, SEE SPECIFICATIONS.
12. LOAD ON ANY ONE PILE SHALL NOT EXCEED A MAXIMUM OF 65 TONS.
13. CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON THE SITE.
14. UNLESS OTHERWISE INDICATED ON THE DRAWINGS, PROVIDE ALL WALLS 2"x3"x12" FOR EACH 4" OF MASONRY THICKNESS FOR ALL INTERIOR WALLS & MASSIVE SPACING AND ONE BENT 4"x3"x12" PER EACH 4" OF MASONRY THICKNESS FOR ALL EXTERIOR WALLS & MASSIVE OPENINGS, NOT LARGER THAN 4'-0"



**FOUNDATION PLAN**

FRIMMINGHAM HIGH SCHOOL  
 FLAGG DRIVE  
 FRIMMINGHAM, MASSACHUSETTS

SAMUEL GLASER ASSOCIATES  
 ARCHITECTS & ENGINEERS

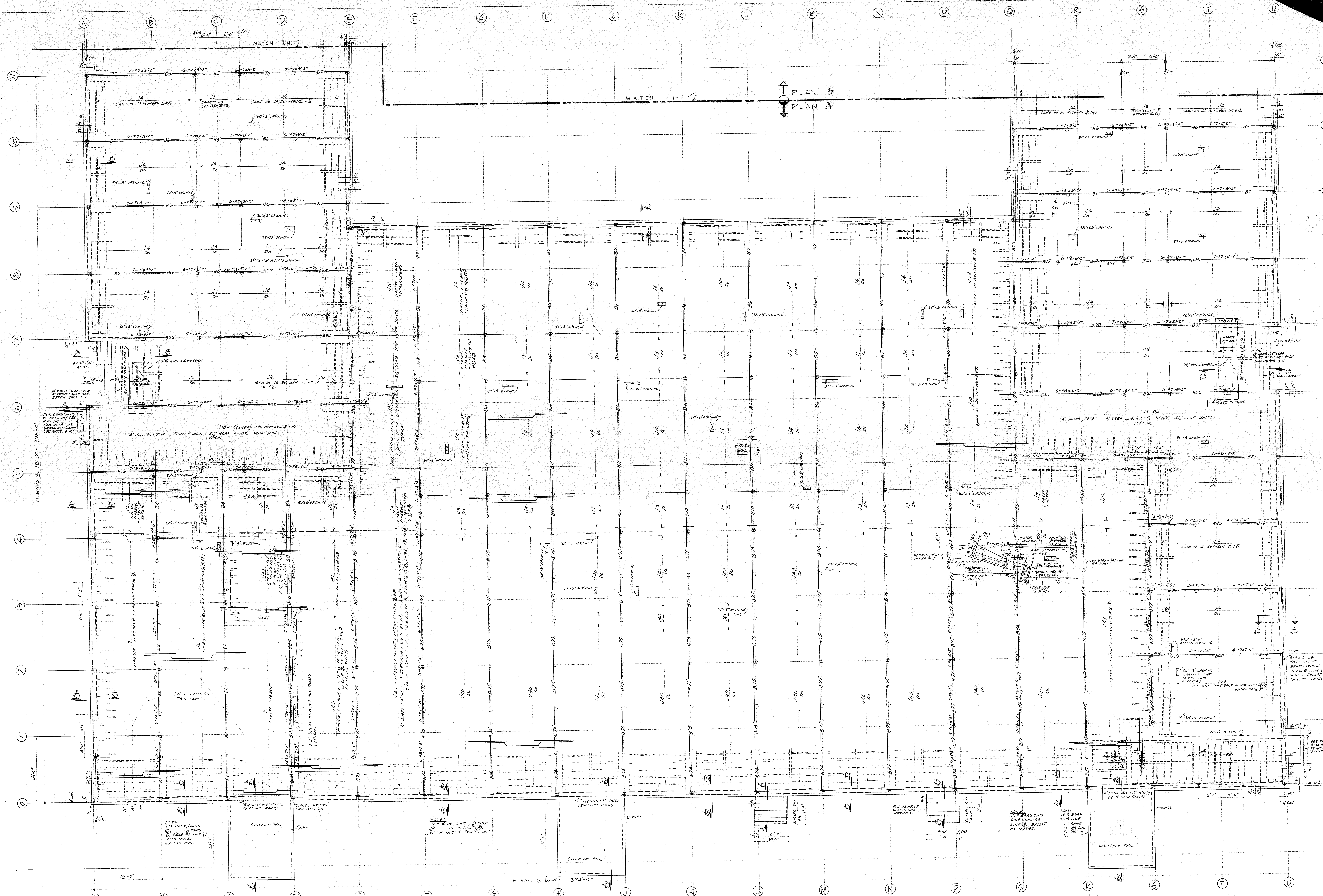
GOLDBERG, LEMESSURIER & ASSOCIATES  
 CONSULTING ENGINEERS

NO. 855  
 1957  
 DRAWN BY RS

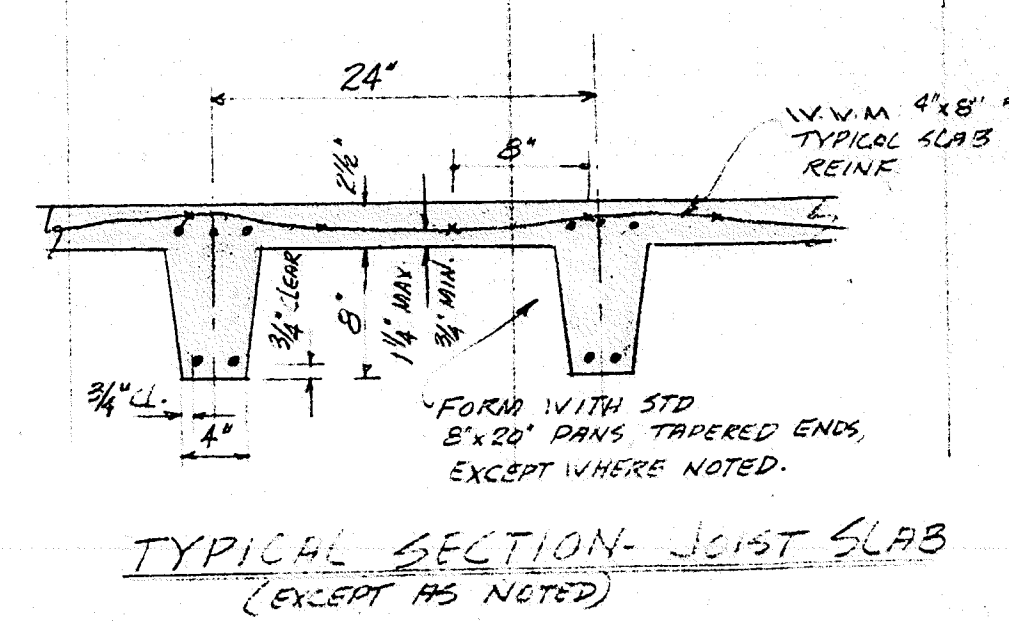




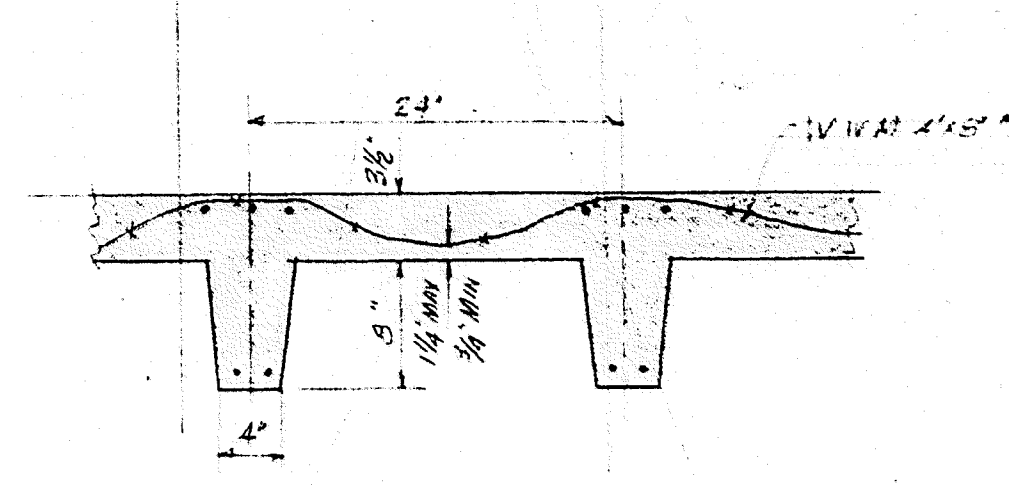




PLAN B  
PLAN A

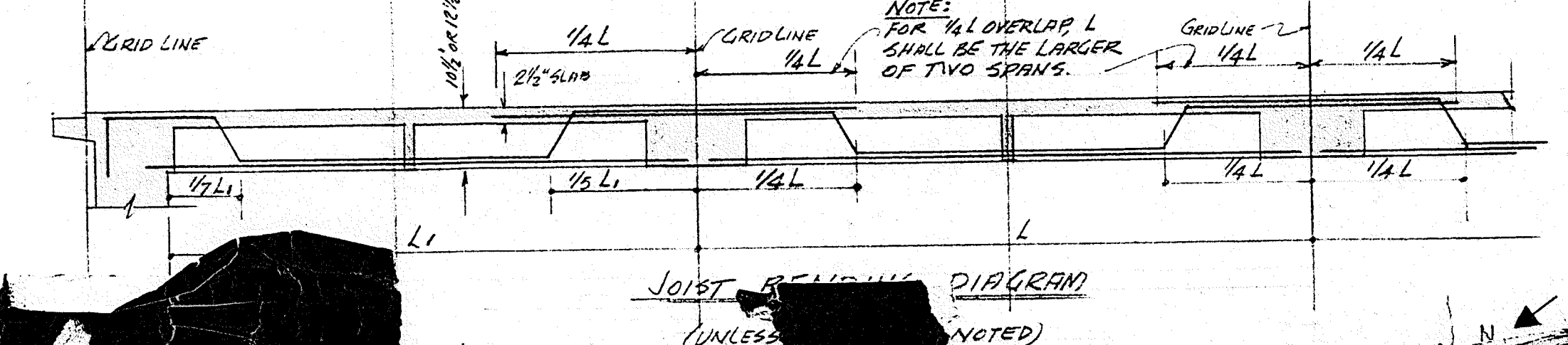


TYPICAL SECTION - JOINT SLAB  
(EXCEPT AS NOTED)



TYPICAL SECTION - SLAB  
Lines 4-9, 3, 4-4

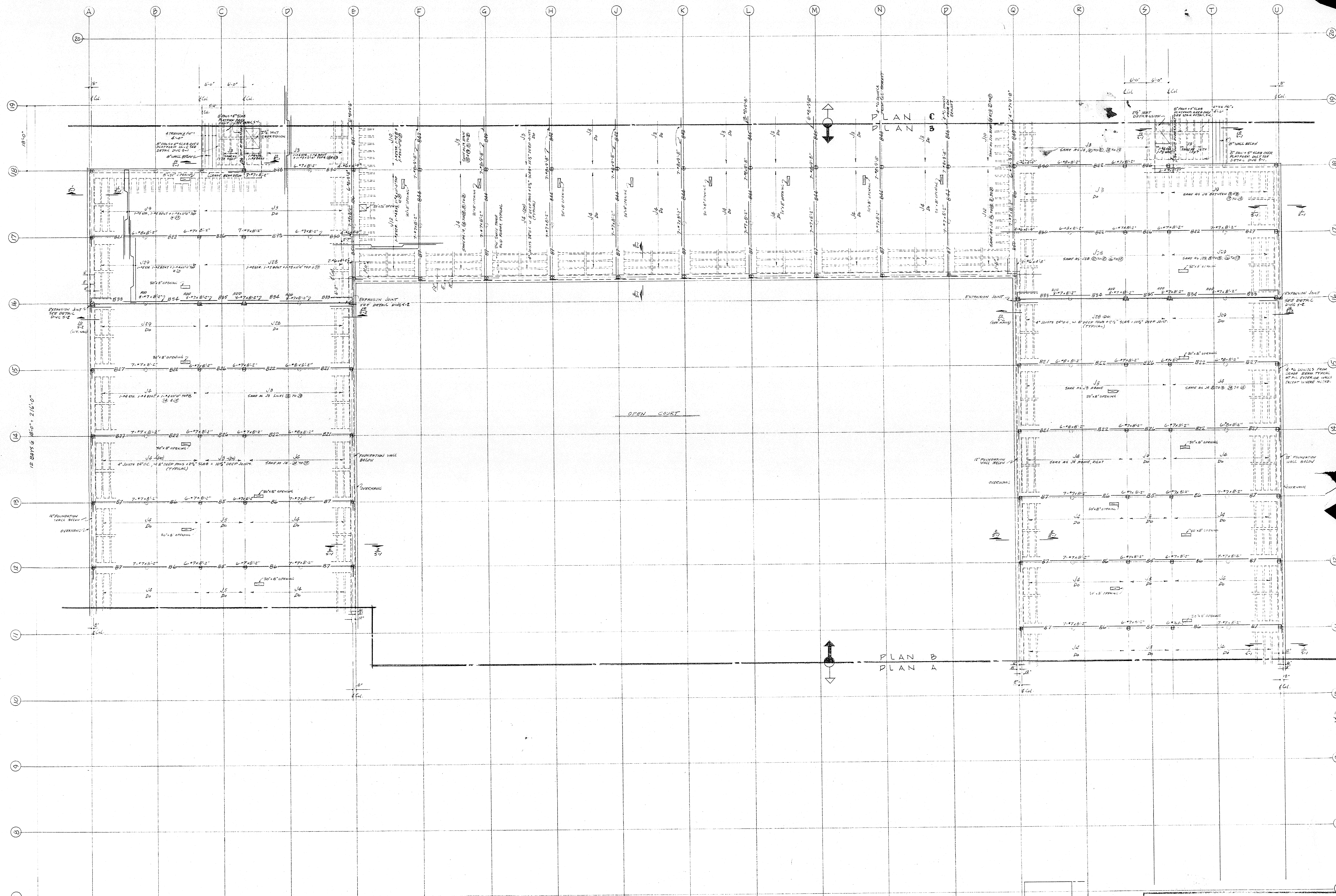
NOTE:  
ALL REINFORCING SHALL BE  
#4 @ 18\"/>



**FLOOR FRAMING - PLAN "A"**

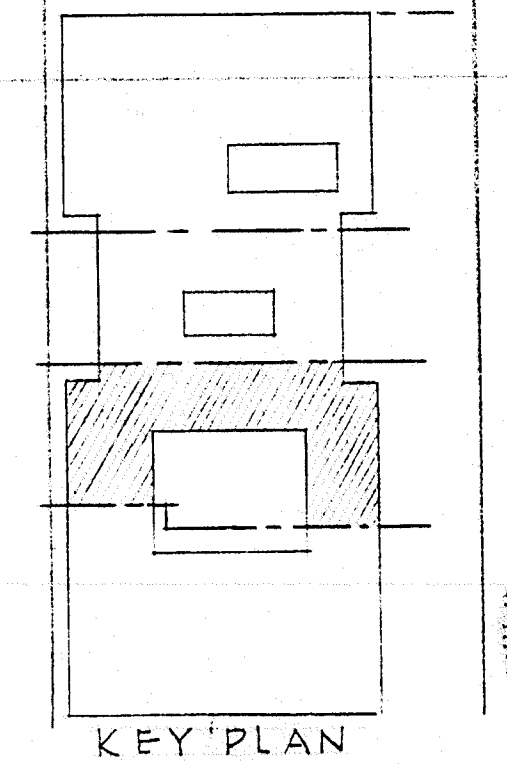
FRAMINGHAM HIGH SCHOOL  
FLAGG DRIVE  
FRAMINGHAM, MASSACHUSETTS  
SAMUEL J. FLAGG, P.E.  
REGISTERED PROFESSIONAL ENGINEER





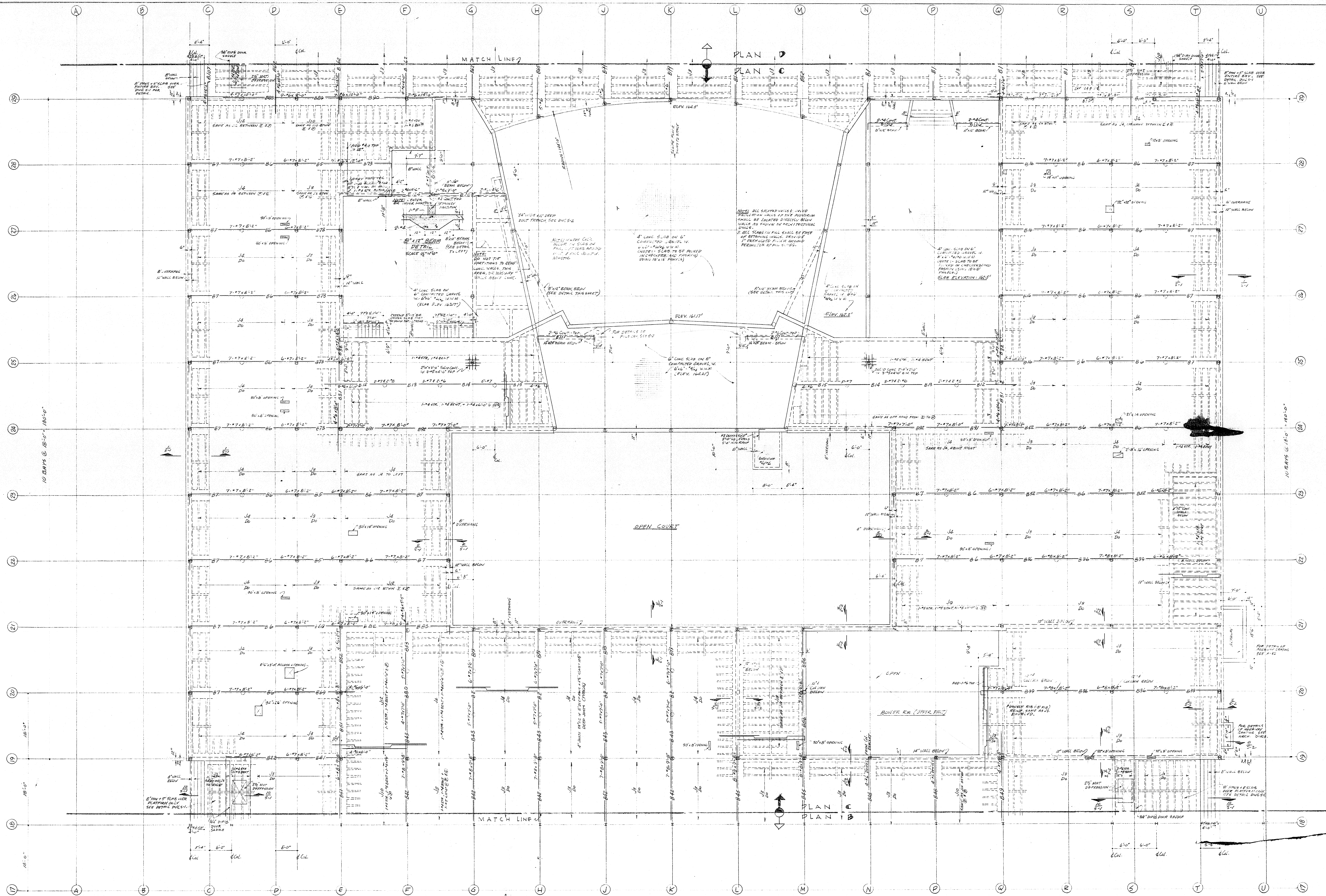
NOTE:  
 1. SLAB REINFORCING SHALL BE 4" x 8" @ 18" WITH THE 8" DIMENSION PERPENDICULAR TO THE DIRECTION OF THE JOISTS, UNLESS OTHERWISE NOTED.  
 2. ALL CONCRETE BRAYS FOR METAL LOCKERS & SLEWS SHALL BE PROVIDED WHERE LOCATED & AS DETAIL OR SHOWN ON ARCHITECTURAL PLANS.  
 SEE A) & E)

PLAN B  
 PLAN A



<b>FLOOR FRAMING - PLAN B</b>	
FRAMINGHAM HIGH SCHOOL FLAGG DRIVE FRAMINGHAM, MASSACHUSETTS	
SAMUEL GLASER ASSOCIATES ARCHITECTS & ENGINEERS	
GOLDBERG, LEVESSIER & ASSOCIATES CONSULTING ENGINEERS	
DRAWN BY: PA	DATE: MAY 25, 1996
CHECKED BY:	APPROVED BY:
	5608





NOTE:  
 1. SLAB REINFORCING SHALL BE #5 BAR WITH THE DIMENSION PERPENDICULAR TO THE DIRECTION OF THE JOISTS, UNLESS OTHERWISE NOTED.  
 2. ALL CONCRETE BASES FOR METAL JOISTERS AND BEAMS SHALL BE PROVIDED WHERE LOCATED & DETAIL AS SHOWN ON ARCHITECTURAL PLANS.  
 SEE ADD # 1

**FLOOR FRAMING - PLAN "C"**

FRAMINGHAM HIGH SCHOOL  
 FLAGG DRIVE  
 FRAMINGHAM, MASSACHUSETTS  
 SAMUEL GLASER ASSOCIATES  
 ARCHITECTS & ENGINEERS

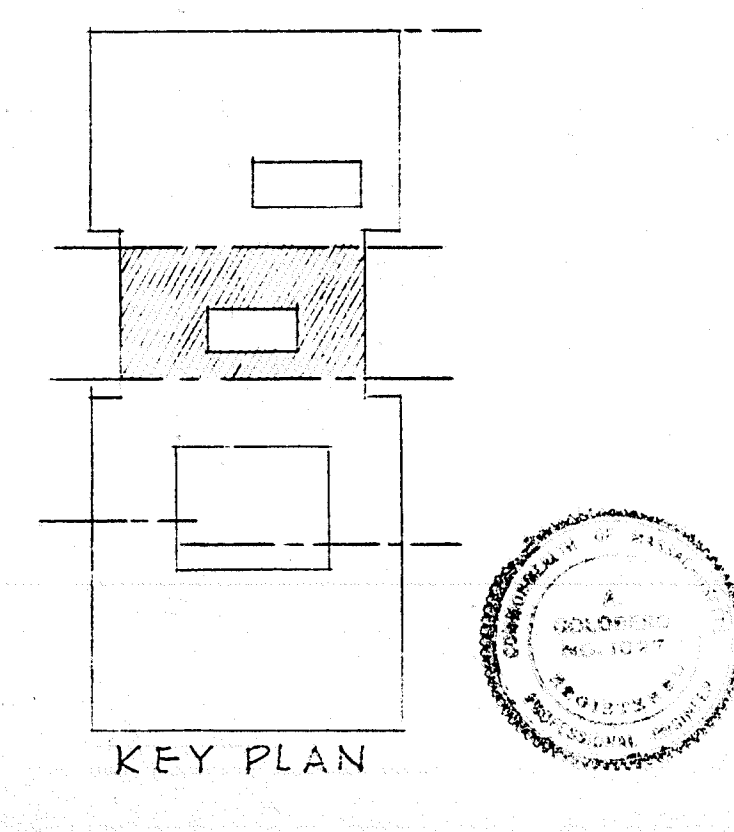
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GOLDBERG, LEMESSURIER & ASSOCIATES  
 CONSULTING ENGINEERS

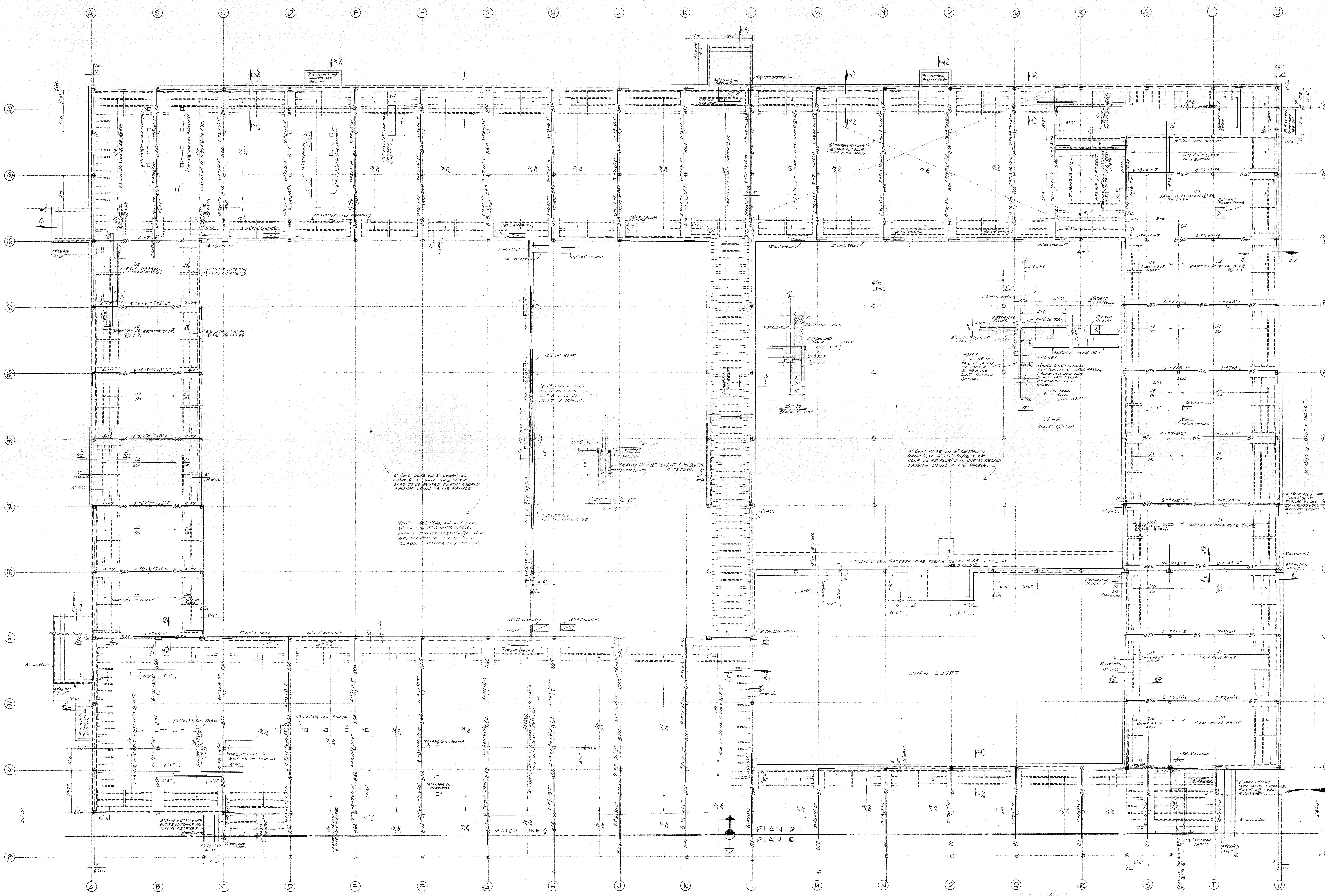
DRAWN BY PA  
 CHECKED BY

DATE MAY 25, 1950  
 APPROVED BY

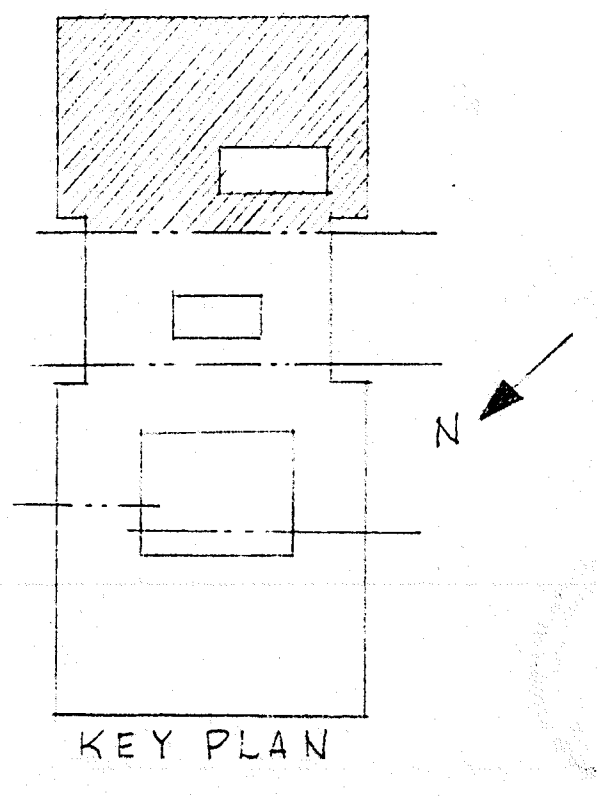
5603





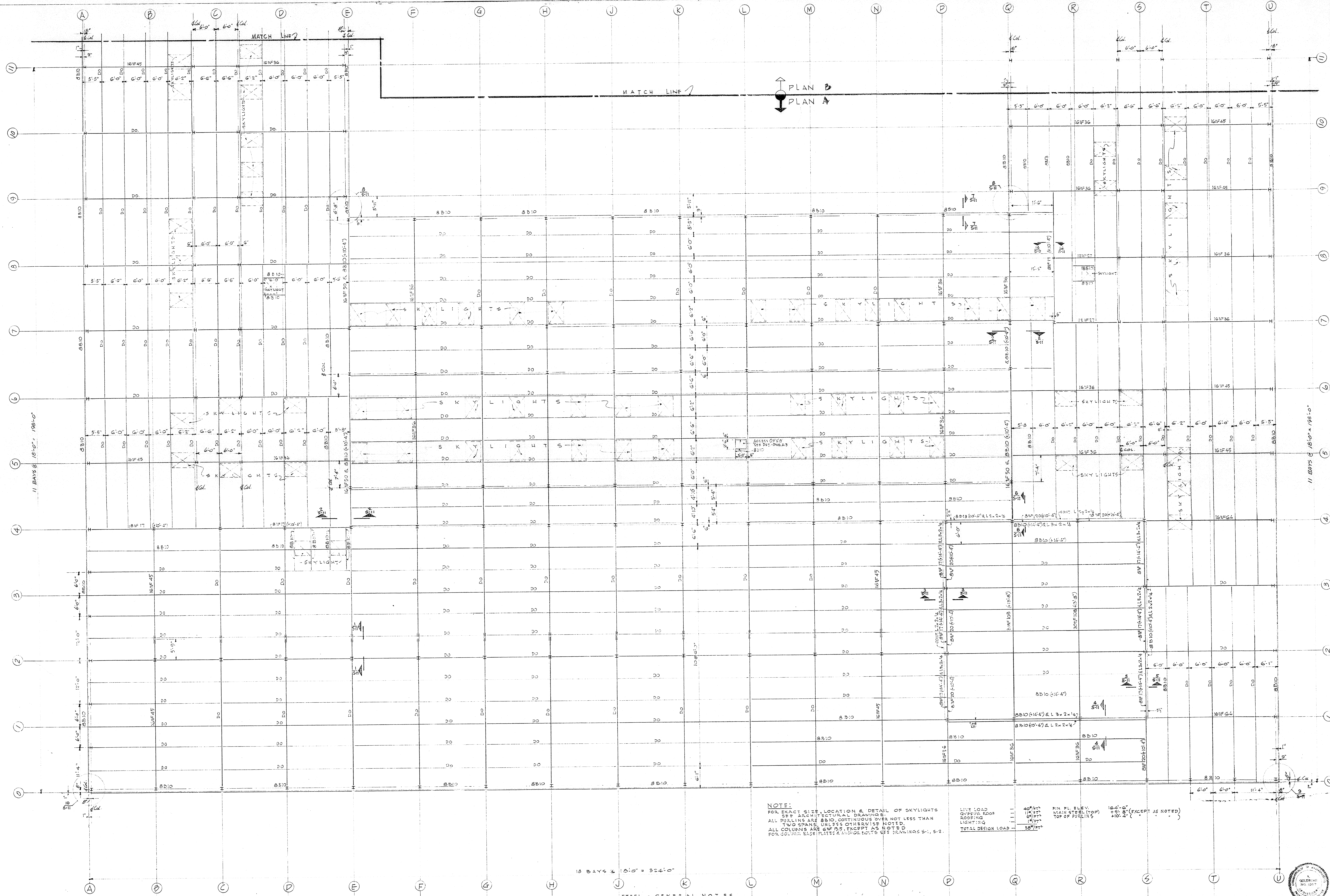


NOTE:  
 1. SLAB REINFORCING SHALL BE #4'S @ 18" ON CENTER WITH THE 8" DIMENSION PERPENDICULAR TO THE DIRECTION OF THE JOINTS UNLESS OTHERWISE NOTED.  
 2. ALL CONCRETE BASES FOR METAL JOISTERS & SETS SHALL BE PROVIDED WHERE LOCATED & IS DETAILED AS SHOWN ON ARCHITECTURAL PLANS.  
 SEE #1



<b>FLOOR FRAMING - PLAN "D"</b>	
FRAMINGHAM HIGH SCHOOL FLAGG DRIVE FRAMINGHAM, MASSACHUSETTS SAMUEL GLASER ASSOCIATES ARCHITECTS & ENGINEERS	
GOLDBERG, LIMESQUIER & ASSOCIATES CONSULTING ENGINEERS	
DRAWN BY PA	DATE MAY 25 1986
CHECKED BY	APPROVED BY
	5608



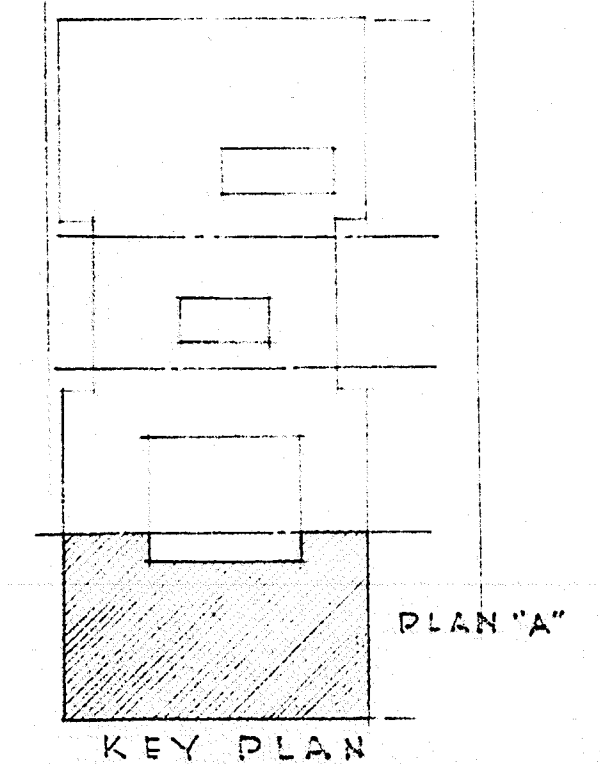


**NOTE:**  
 FOR EXACT SIZE, LOCATION & DETAIL OF SKYLIGHTS SEE ARCHITECTURAL DRAWINGS.  
 ALL PURLINS ARE 8B10, CONTINUOUS OVER NOT LESS THAN TWO SPANS, UNLESS OTHERWISE NOTED.  
 ALL COLUMNS ARE 6W12, EXCEPT AS NOTED.  
 FOR COLUMN BASE PLATES & ANCHOR BOLTS SEE DRAWINGS S1, S2.

LIVE LOAD 40'psf  
 ROOFING 15'psf  
 LIGHTING 1'psf  
 TOTAL DESIGN LOAD 56'psf

FIN FL. ELEV. 102'-0"  
 MAIN STEEL (TOP) 101'-0" (EXCEPT AS NOTED)  
 TOP OF PURLINS 100'-0"

- STEEL - GENERAL NOTES**
1. FABRICATION ACCORDING TO THE CURRENT A.I.S.C. SPECIFICATIONS
  2. ALL SHOP CONNECTIONS TO BE RIVETED OR WELDED. USE STANDARD CONNECTIONS UNLESS OTHERWISE INDICATED
  3. ALL FIELD CONNECTIONS OF BEAMS, GIRTS, BRACING TO COLUMNS AND FIELD CONNECTIONS OF CANTILEVER BEAM SHEAR PLATES TO BE RIVETED OR HIGH STRENGTH BOLTED CONNECTIONS. FIELD SPLICE OF CYA CONTINUOUS BEAM TO BE BUILT WELDED. ALL OTHER FIELD CONNECTIONS MAY BE MADE WITH UNFINISHED BOLTS
  4. TACK WELD BULB TEES @ 2" o.c. (OR EQUIV.) TO EACH PURLINE FOR LATERAL BRACING
  5. FOR PAINT - SEE SPECIFICATIONS
  6. ALL CONTACT SURFACES BETWEEN SLIDING AND FIXED STEEL, AT EXPANSION JOINTS, ETC., SHALL BE COATED WITH GRAPHITE POWDER.



**Roof Framing - Plan "A"**

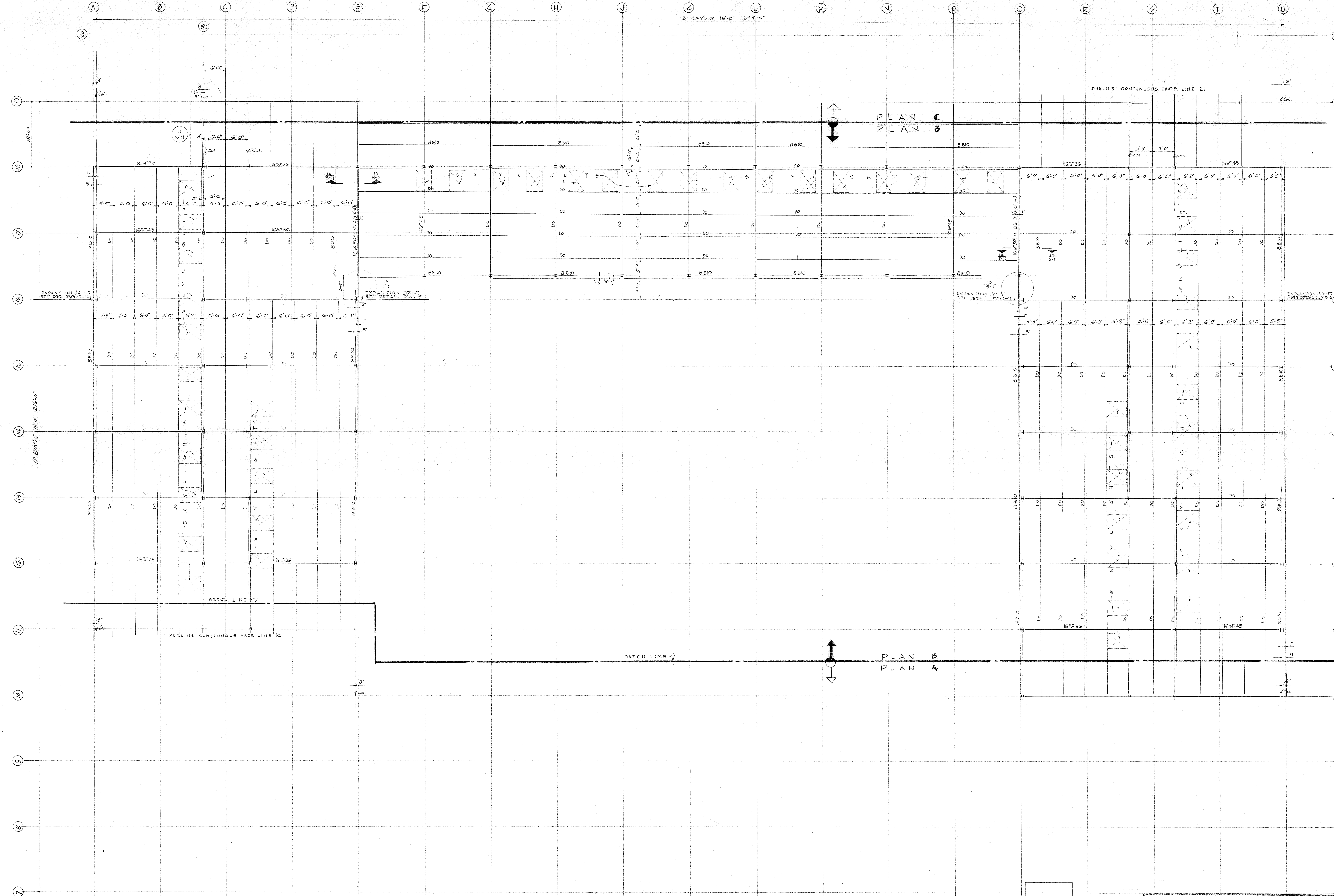
FRAMINGHAM HIGH SCHOOL  
 FLAGG DRIVE  
 FRAMINGHAM, MASSACHUSETTS

SAMUEL GLASER ASSOCIATES  
 ARCHITECTS - ENGINEERS

GOLDBERG, LIMESQUIER & ASSOCIATES  
 CONSULTING ENGINEERS

DRAWN BY: ANG DATE: MAY 25, 1956  
 CHECKED BY: APPROVED BY: 5603





1/8\"/>

PULLING CONTINUOUS FROM LINE 21

PLAN C  
PLAN B

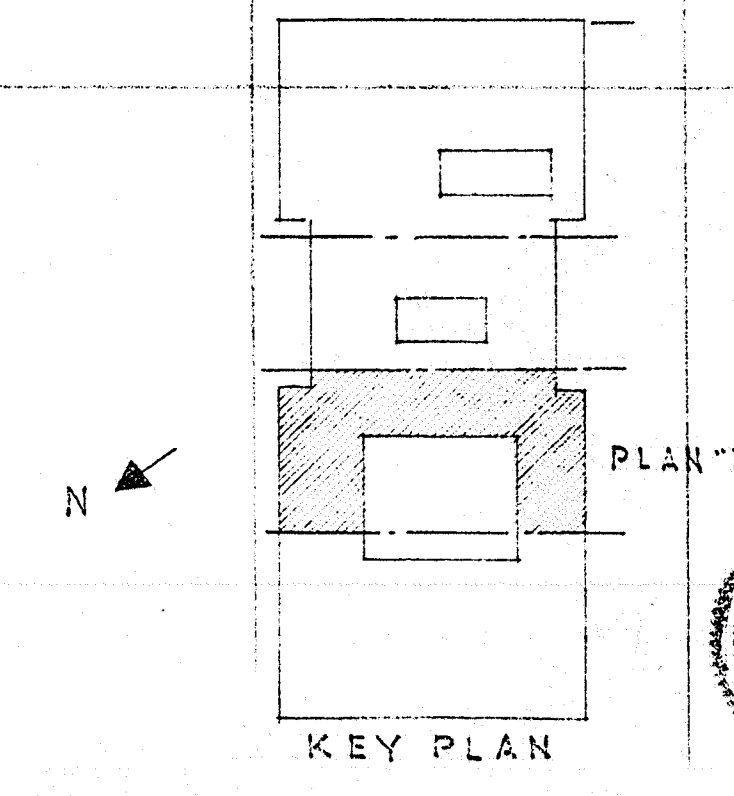
PLAN B  
PLAN A

12 BAYS @ 13'-0\"/>

PULLING CONTINUOUS FROM LINE 10

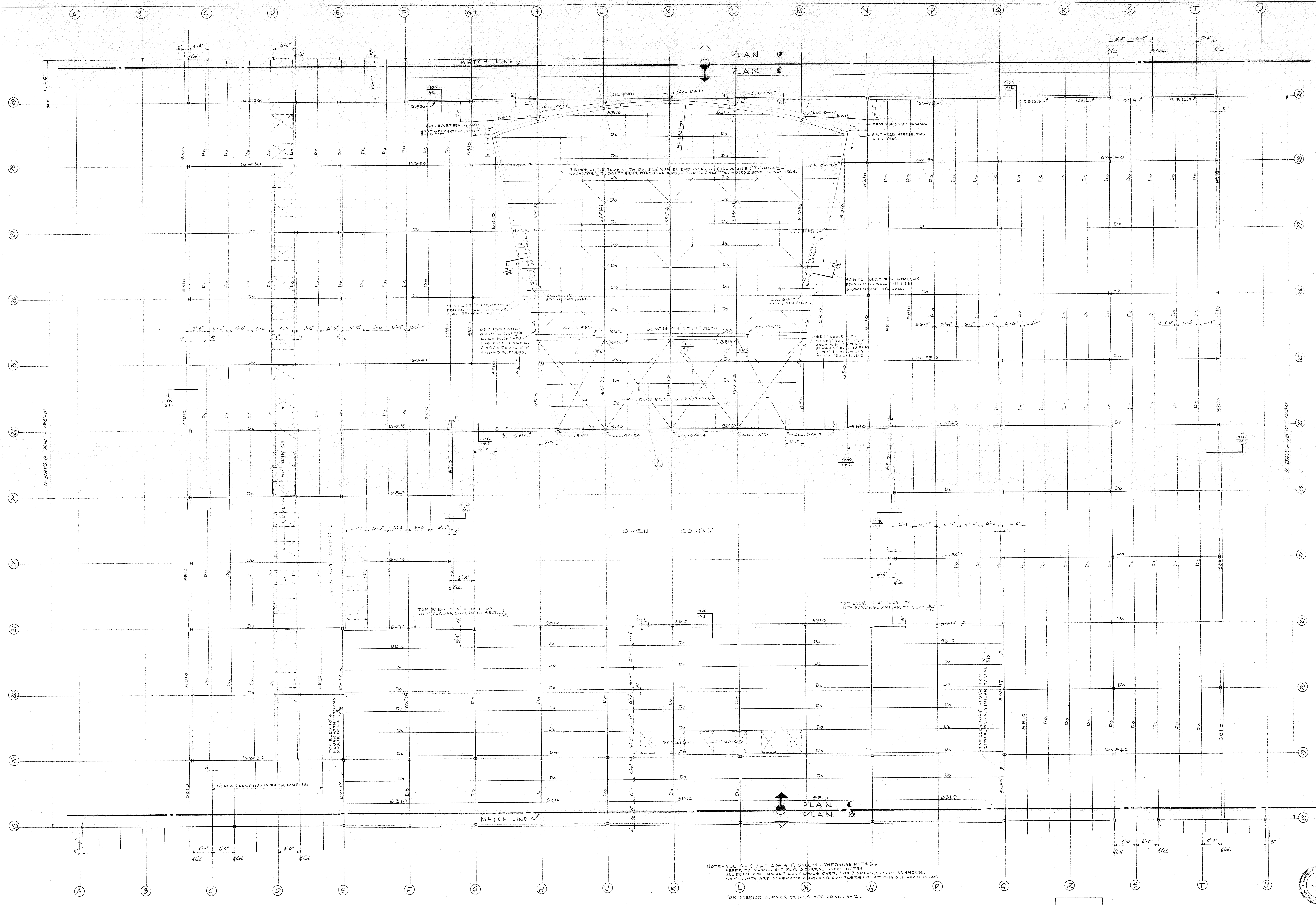
MATCH LINE 2

FOR NOTES SEE SHEET S-7



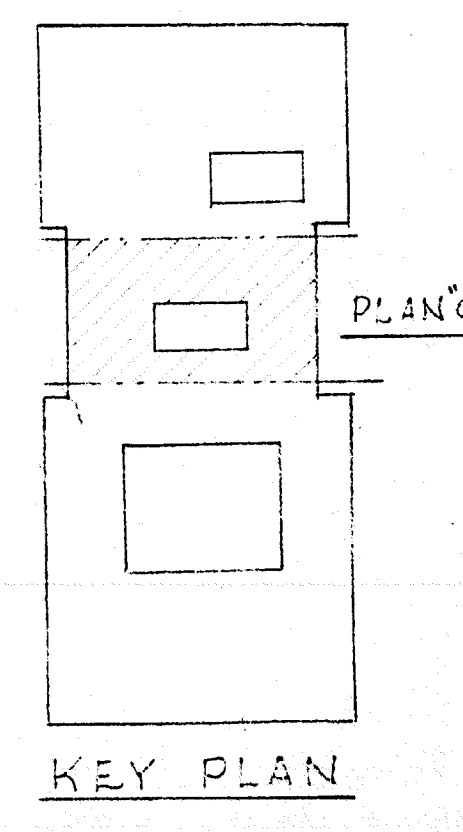
<b>ROOF FRAMING - PLAN B</b>	
FRAMINGHAM HIGH SCHOOL FLAGG DRIVE FRAMINGHAM, MASSACHUSETTS	
SAMUEL GLASER ASSOCIATES ARCHITECTS & ENGINEERS	
GOLDBERG, LE MESSURIER & ASSOCIATES CONSULTING ENGINEERS	
DRAWN BY: AHC	DATE: MAY 25, 1956
CHECKED BY:	APPROVED BY:
	5608





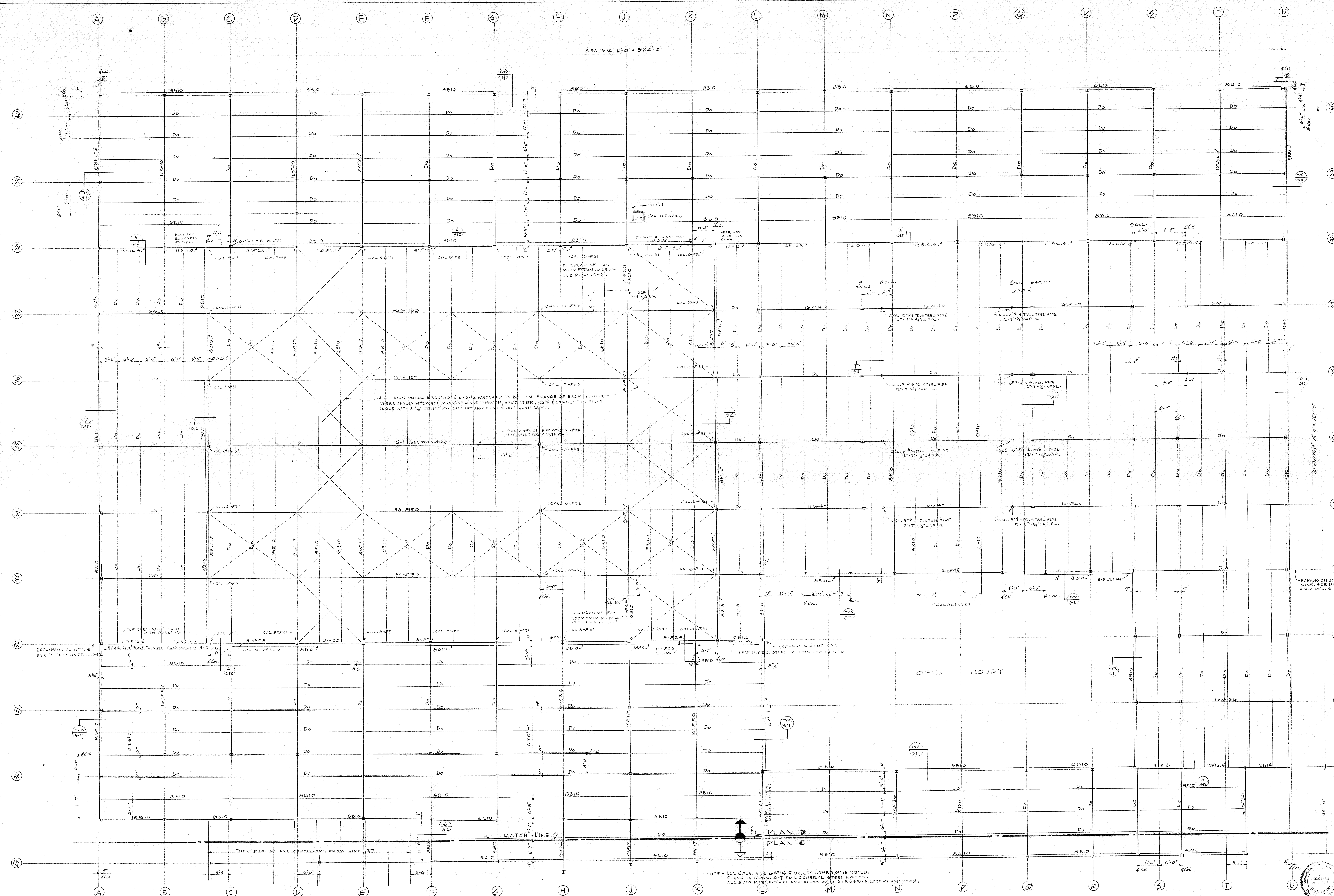
NOTE - ALL 20.0 LBS S/W'S UNLESS OTHERWISE NOTED.  
 REFER TO DRAWING SET FOR GENERAL STEEL NOTES.  
 ALL 20.0 PURLING ARE CONTINUOUS OVER 2 OR 3 SPANS, EXCEPT AS SHOWN.  
 SKYLIGHTS ARE GENERIC ONLY FOR COMPLETE SPECIFICATIONS SEE ARCH. PLANS.  
 FOR INTERIOR CORNER DETAILS SEE DRWG. 512.

SEE 47 > 1



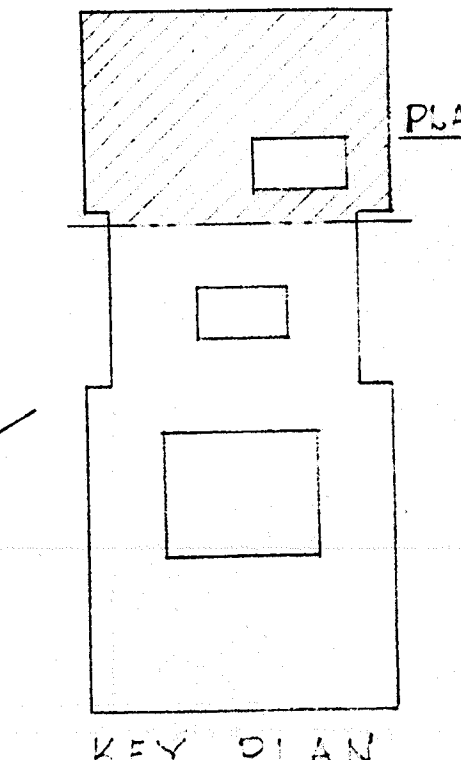
<b>ROOF FRAMING - PLAN C</b>	
FRAMINGHAM HIGH SCHOOL FLAGG DRIVE FRAMINGHAM, MASSACHUSETTS	
SAMUEL GLASER ASSOCIATES ARCHITECTS BOSTON, MASSACHUSETTS	
GOLDBERG, LEMESSURIER & ASSOCIATES CONSULTING ENGINEERS	
DRAWN BY HR	DATE: MAY 25, 1966
CHECKED BY	APPROVED BY
DRAWING NO. 5203	





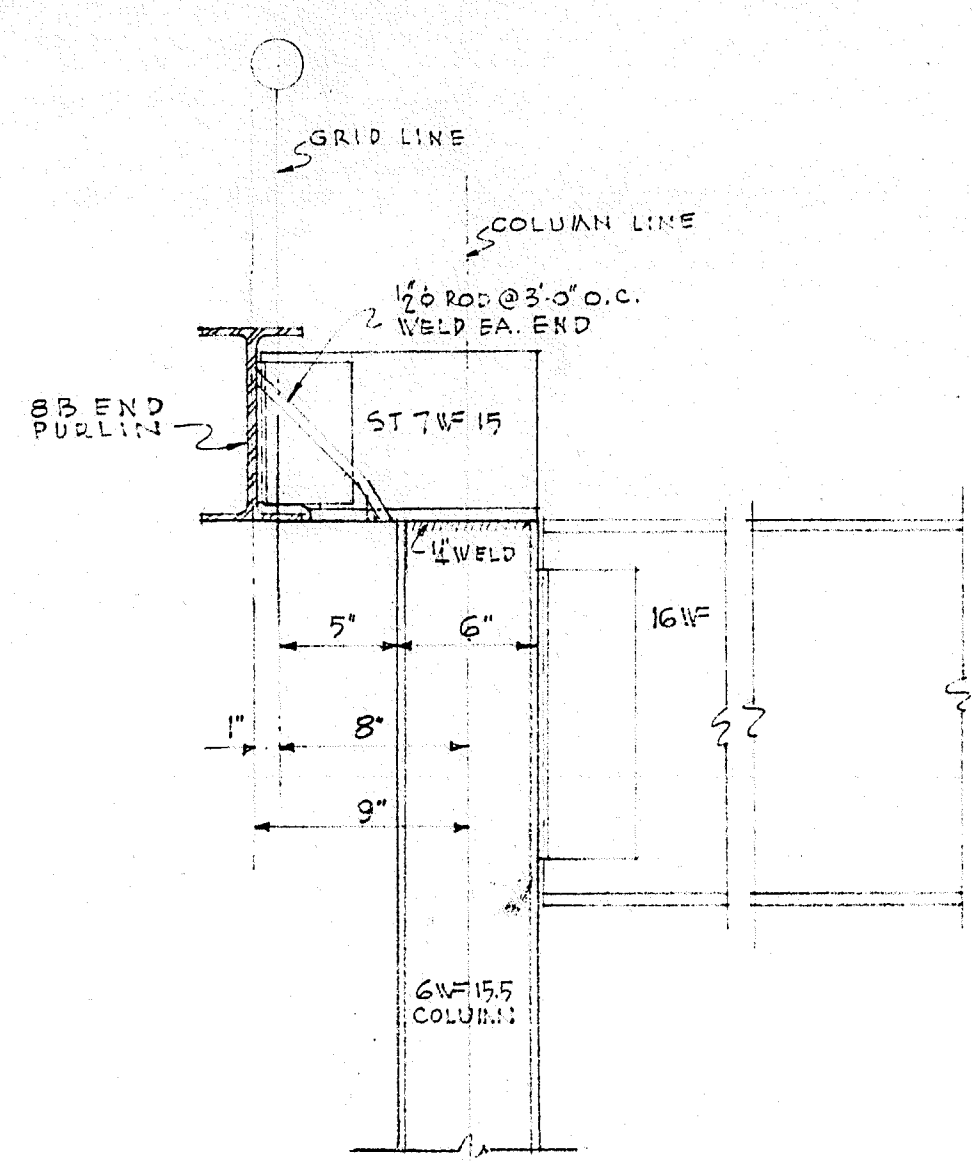
NOTE - ALL COLS. ARE 6WF15 UNLESS OTHERWISE NOTED.  
 REFER TO DRWG. S-T FOR GENERAL STEEL NOTES.  
 ALL 6WF15 PURLINS ARE CONTINUOUS OVER 4 OR 3 SPANS, EXCEPT AS SHOWN.

FOR INTERIOR CORNER DETAILS SEE DRWG. S-12  
 FOR EXTERIOR CORNERS SEE TYP. DETAIL ON DRWG. S-11

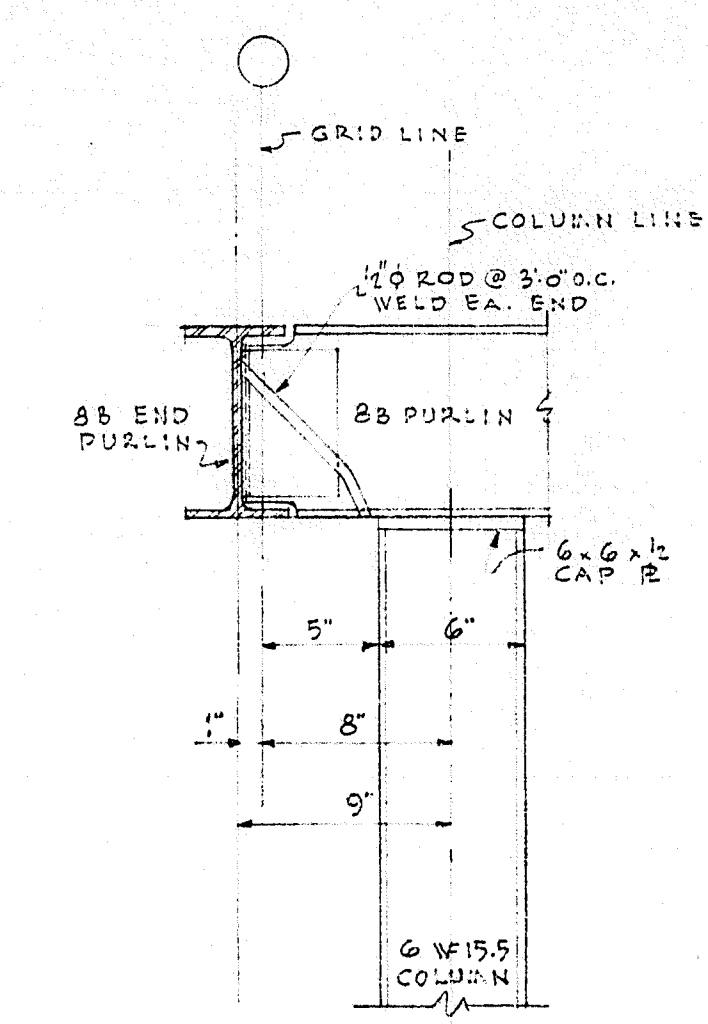


<b>ROOF FRAMING - PLAN D</b>	
FRAMINGHAM HIGH SCHOOL FLAGG DRIVE FRAMINGHAM, MASSACHUSETTS	
SAMUEL GLASER ASSOCIATES ARCHITECTS - ENGINEERS <small>107 NEWBURY STREET - BOSTON 4, MASSACHUSETTS</small>	
GOLDBERG, LEISSOURIER & ASSOCIATES CONSULTING ENGINEERS	
DRAWN BY HR	DATE MAY 25, 1956
CHECKED BY	APPROVED BY
	JOB NO. 5603
	<b>\$10</b>

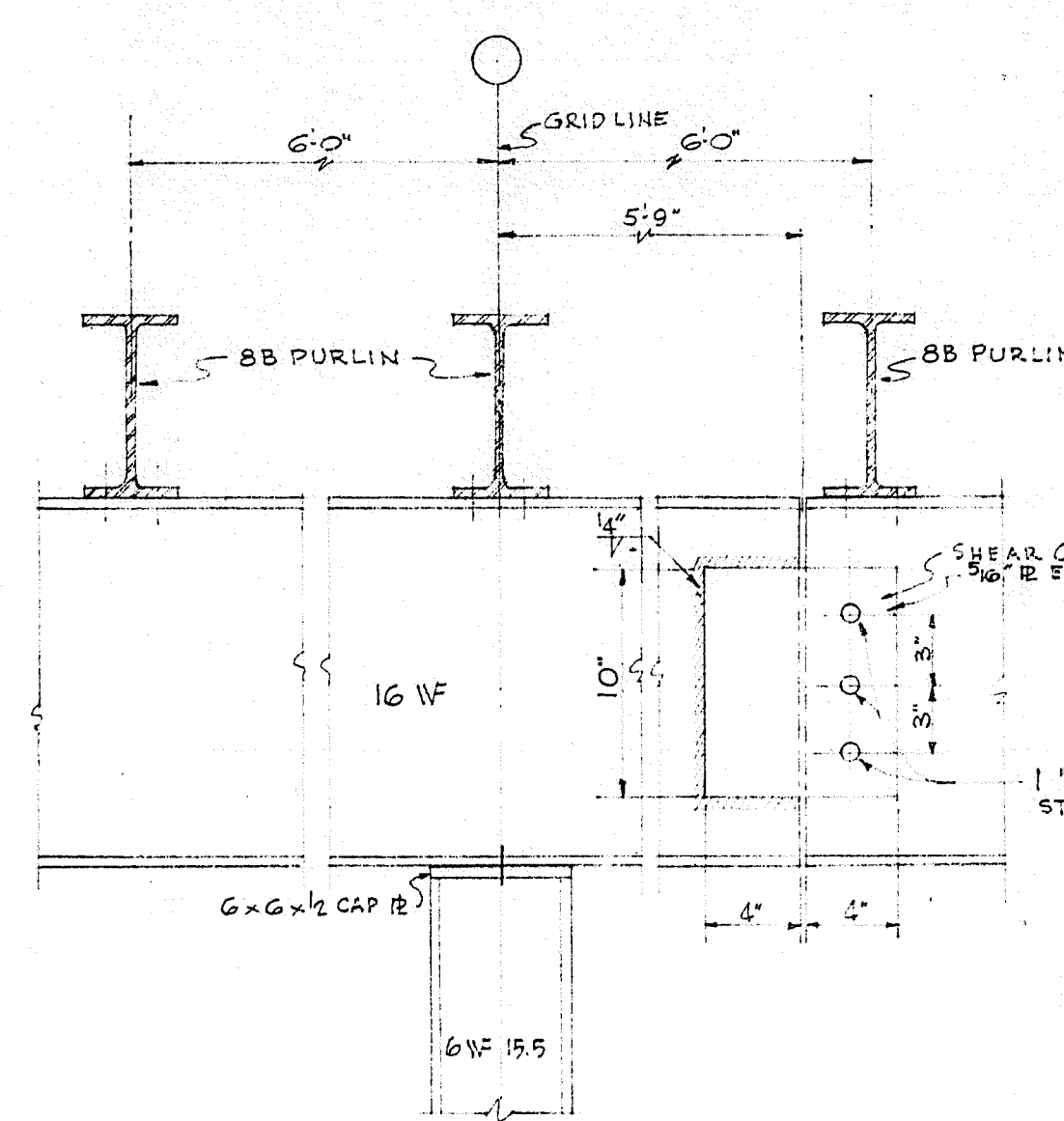




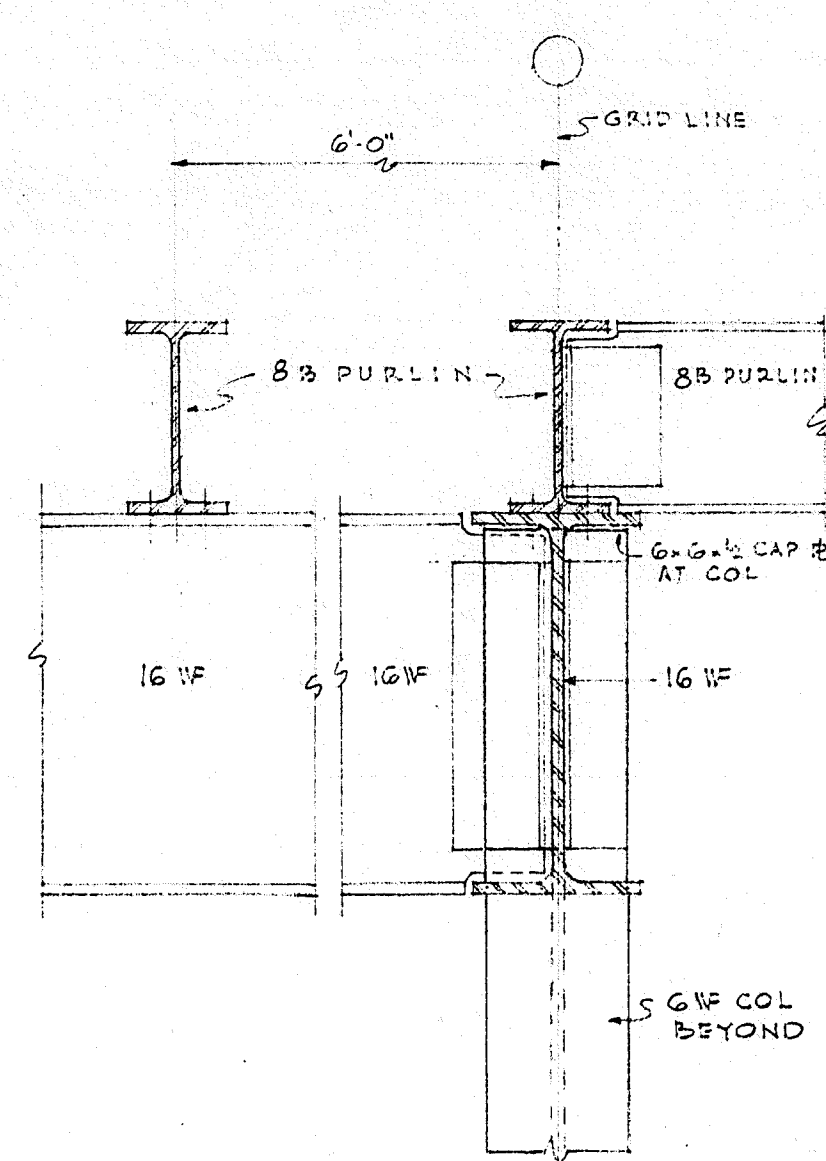
TYPICAL EXTERIOR WALL DETAIL  
PURLINS PARALLEL TO WALL  
SCALE - 1/2" = 1'-0"



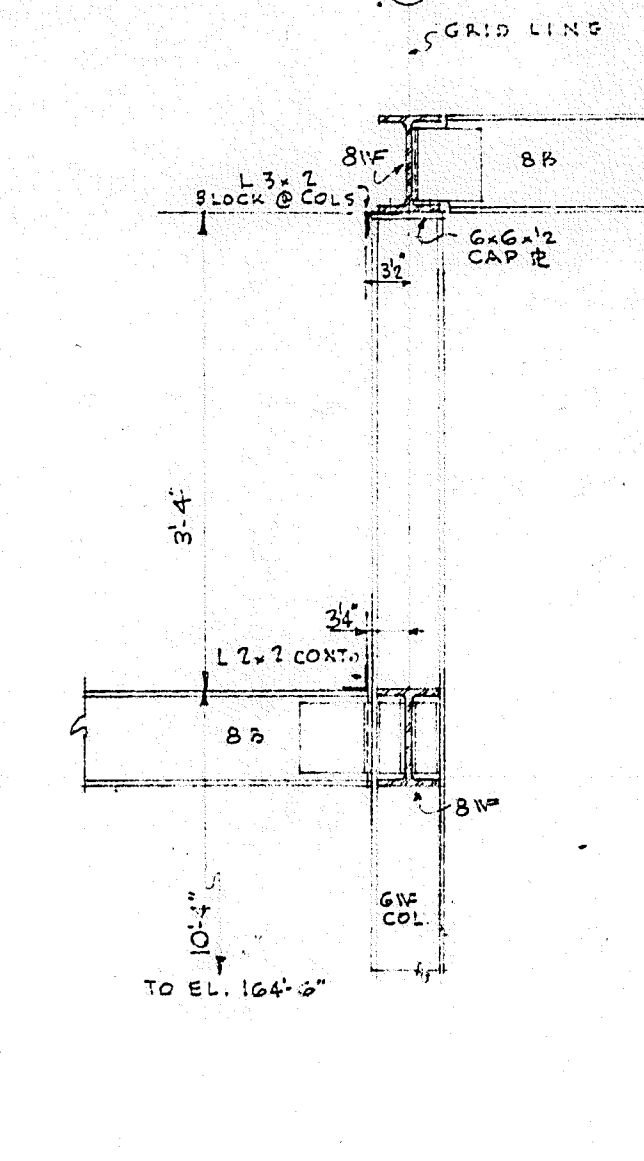
TYPICAL EXTERIOR WALL DETAIL  
PURLINS PERPENDICULAR TO WALL  
SCALE - 1/2" = 1'-0"



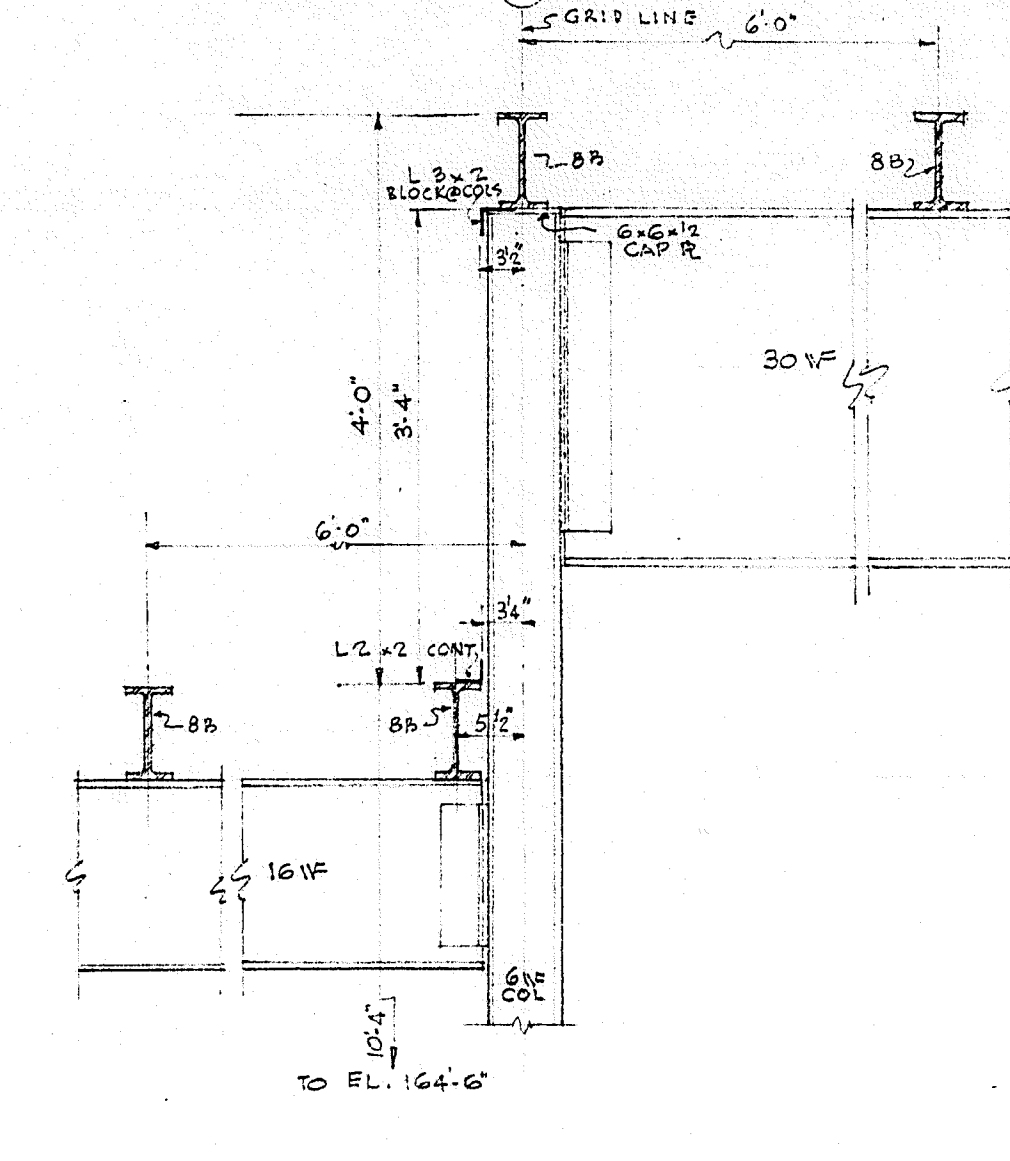
SECTION - 1  
SCALE - 1/4" = 1'-0"



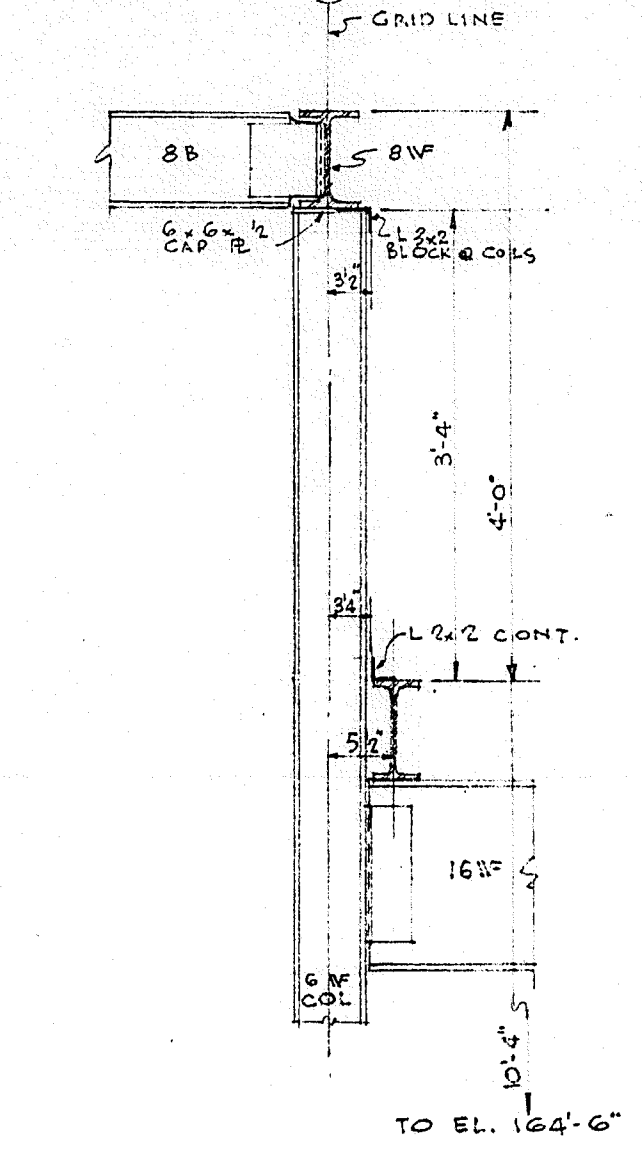
SECTION - 2  
SCALE - 3/8\"/>



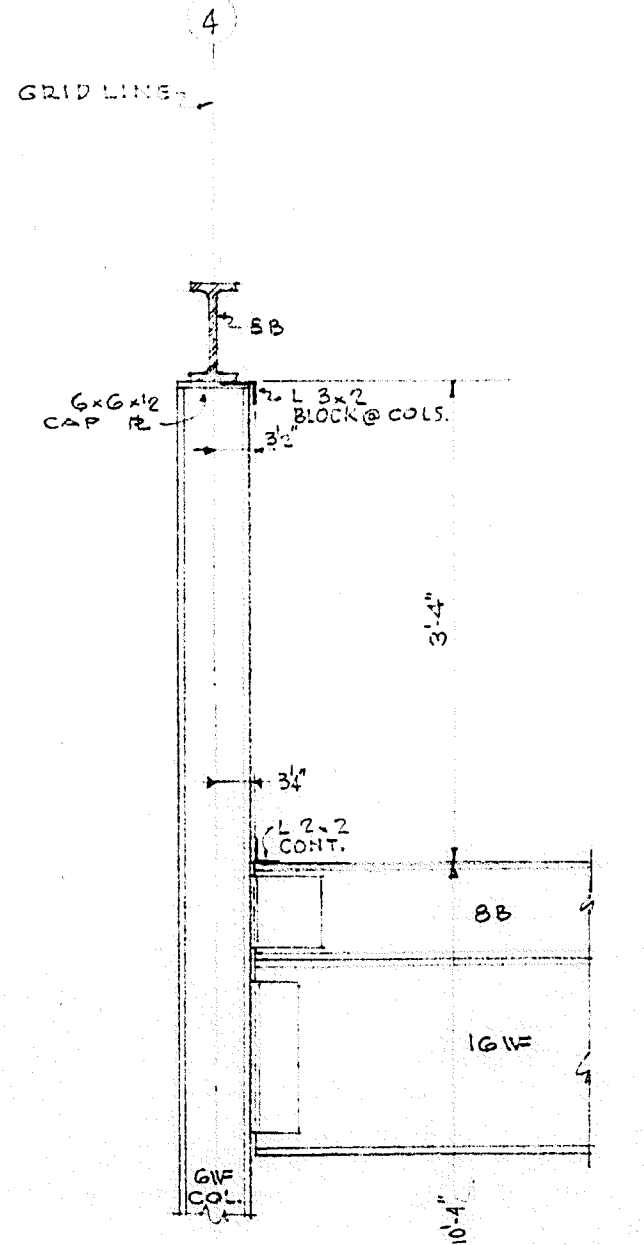
SECTION - 3  
SCALE - 3/8\"/>



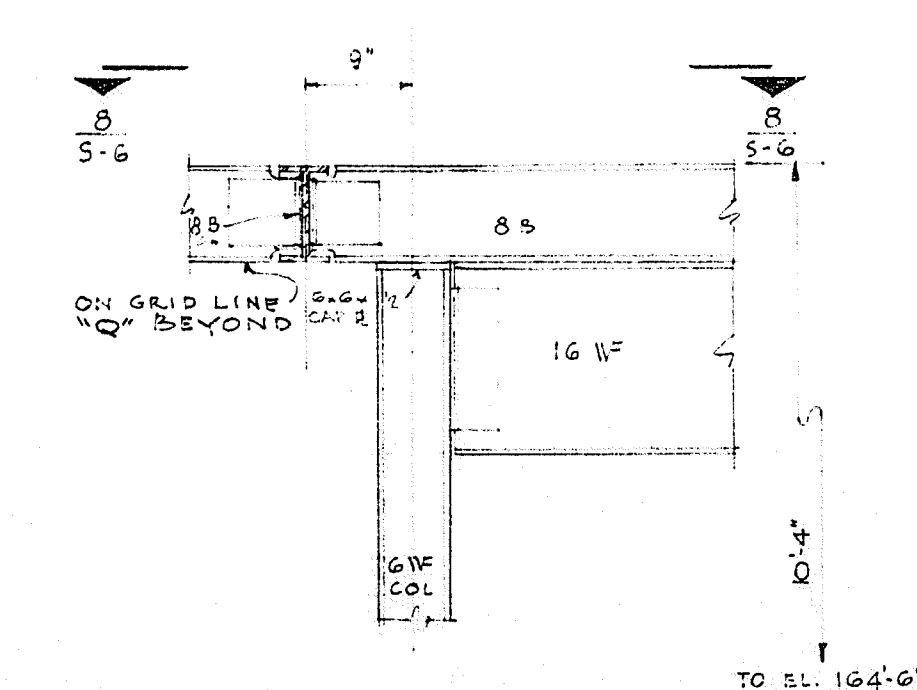
SECTION - 4  
SCALE - 3/8\"/>



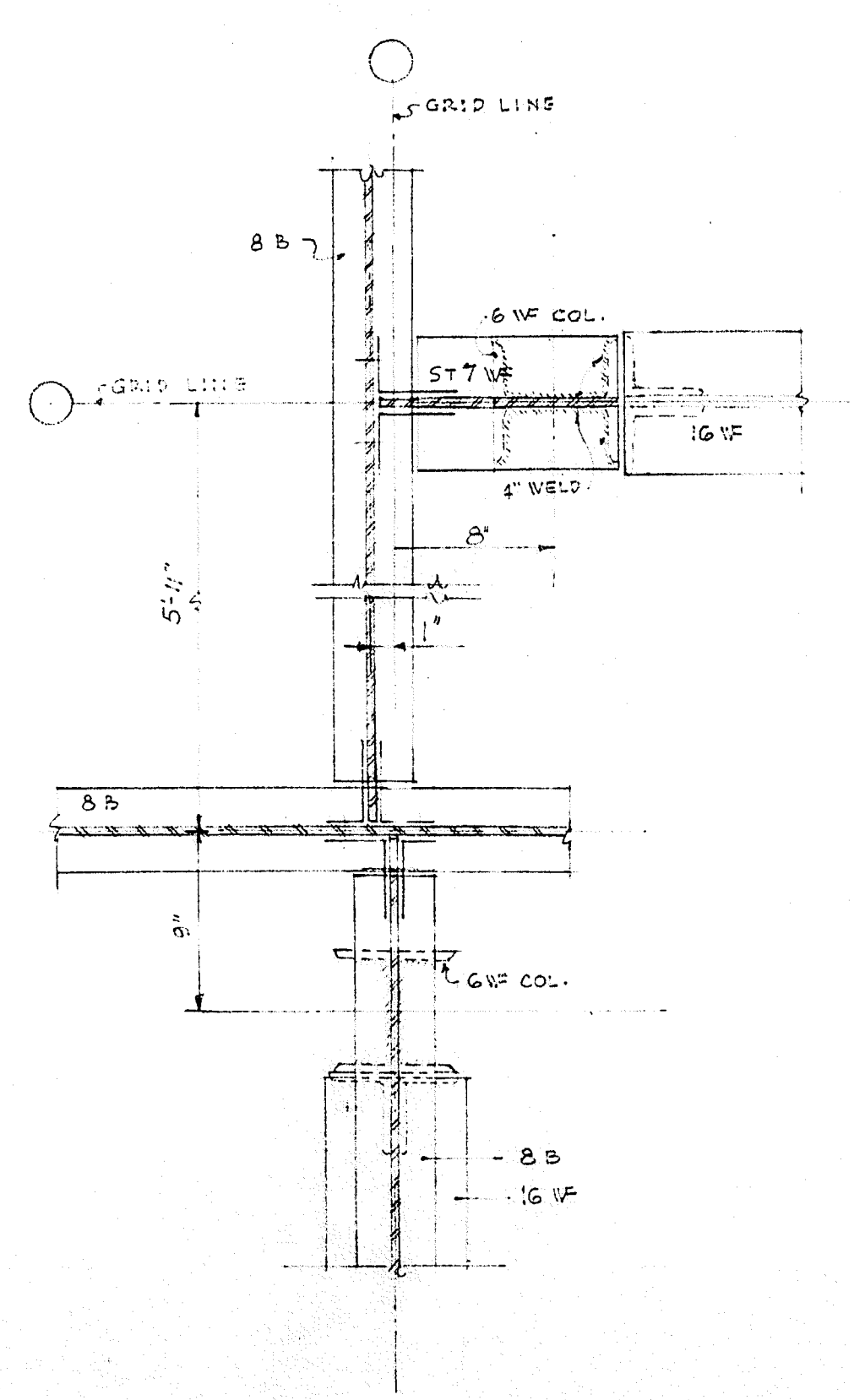
SECTION - 5  
SCALE - 3/8\"/>



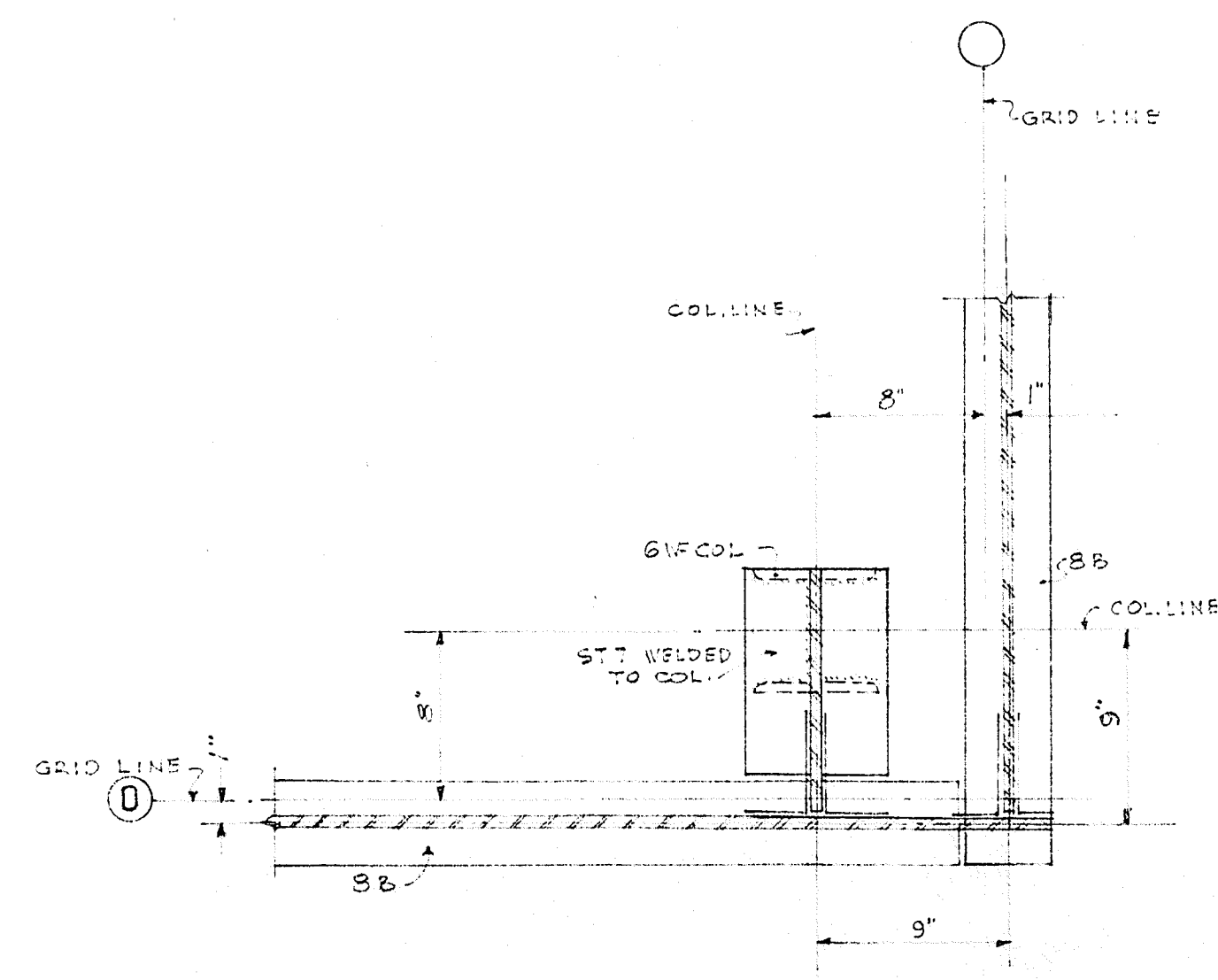
SECTION - 6  
SCALE - 3/8\"/>



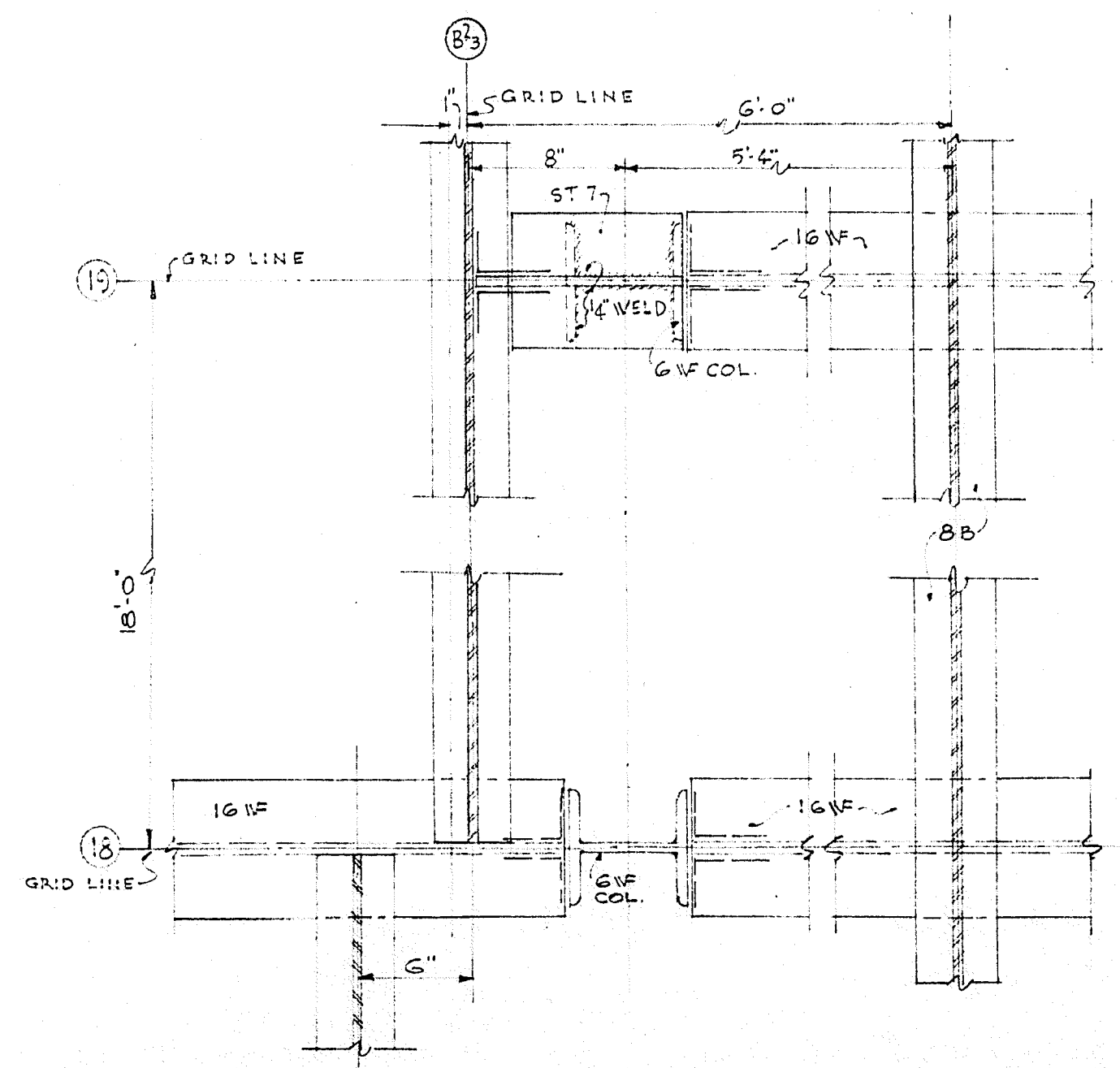
SECTION - 7  
SCALE - 3/8\"/>



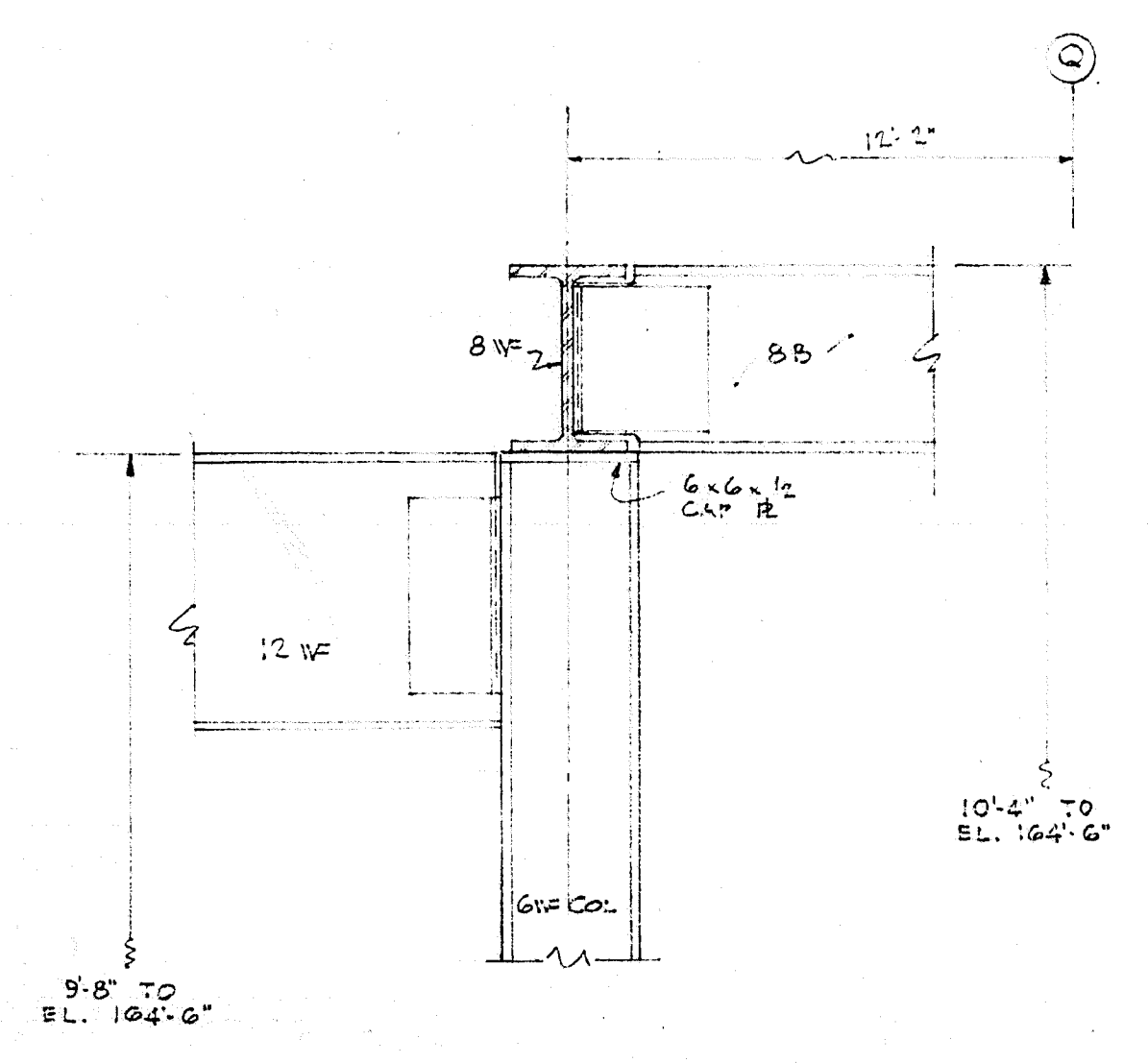
SECTION - 8  
SCALE - 1/4" = 1'-0"  
DETAIL PLAN - INTERIOR COURT  
CORNERS - PLAN A



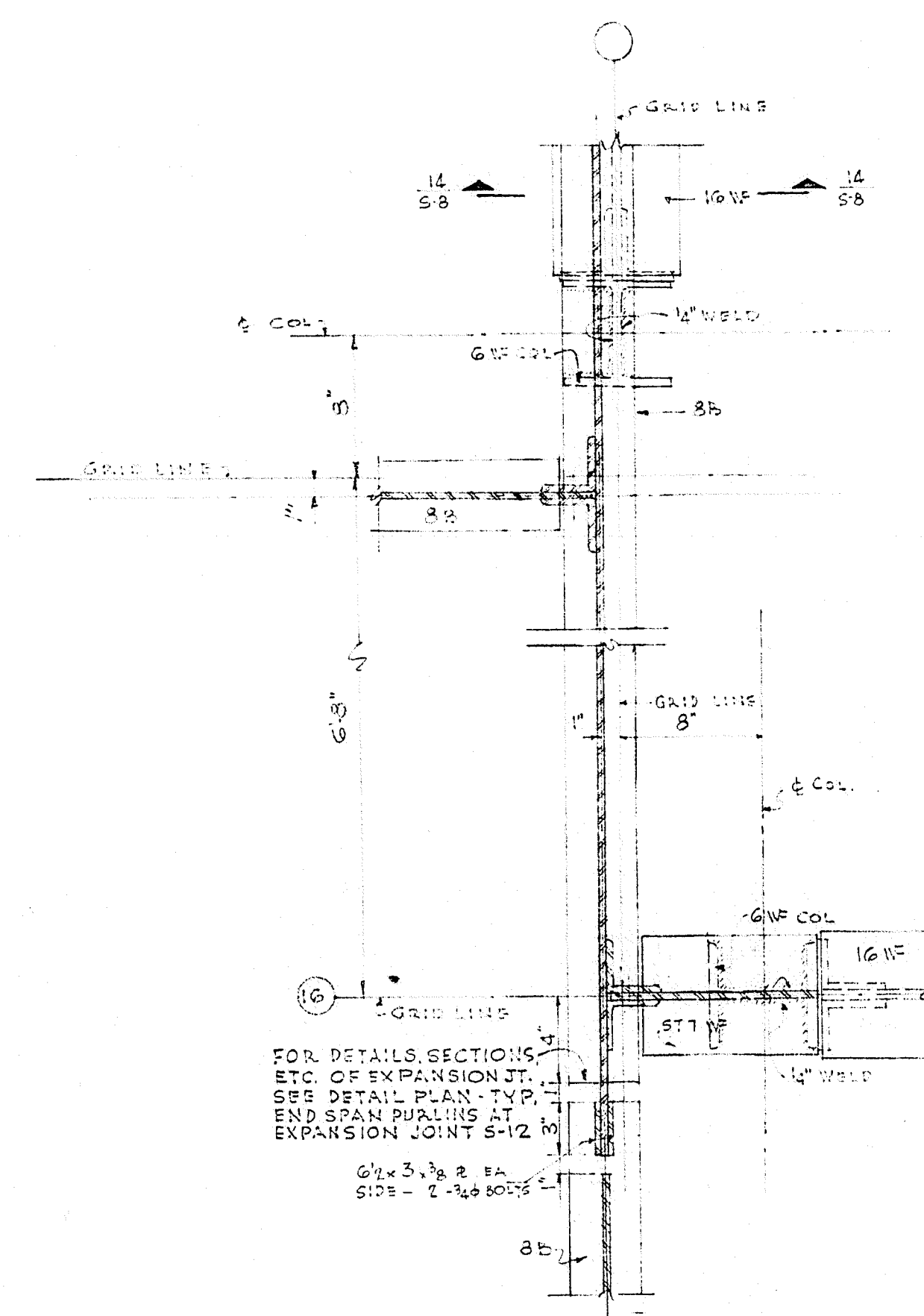
SECTION - 9  
SCALE - 1/4" = 1'-0"  
DETAIL PLAN - EXT. CORNER  
SECTION  
SIMILAR - OPP. HAND



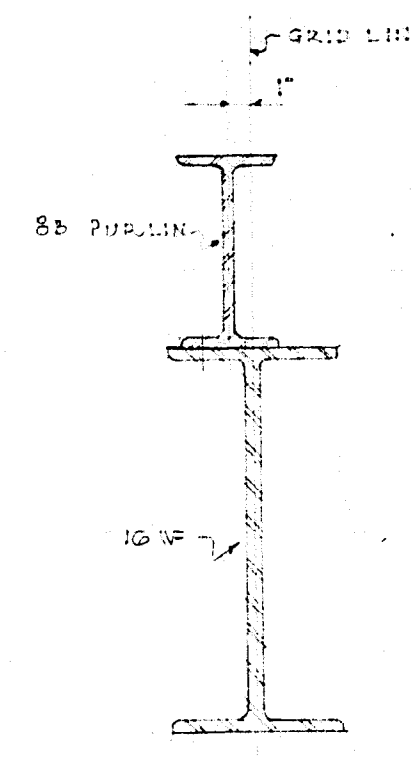
SECTION - 10  
SCALE - 1/4" = 1'-0"  
DETAIL PLAN



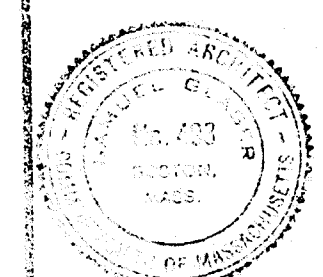
SECTION - 11  
SCALE - 1/4" = 1'-0"



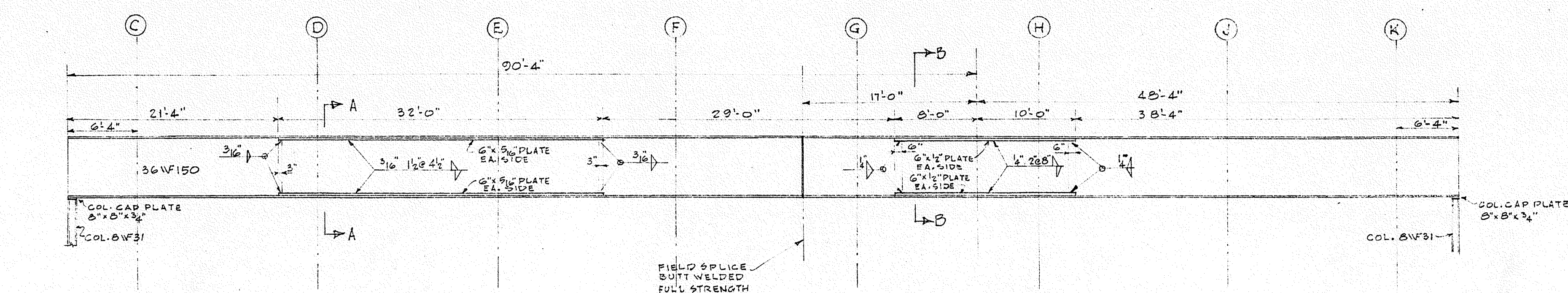
SECTION - 12  
SCALE - 1/4" = 1'-0"  
DETAIL PLAN - END SPAN PURLINS  
AT EXPANSION JOINT  
PLAN B - S-B



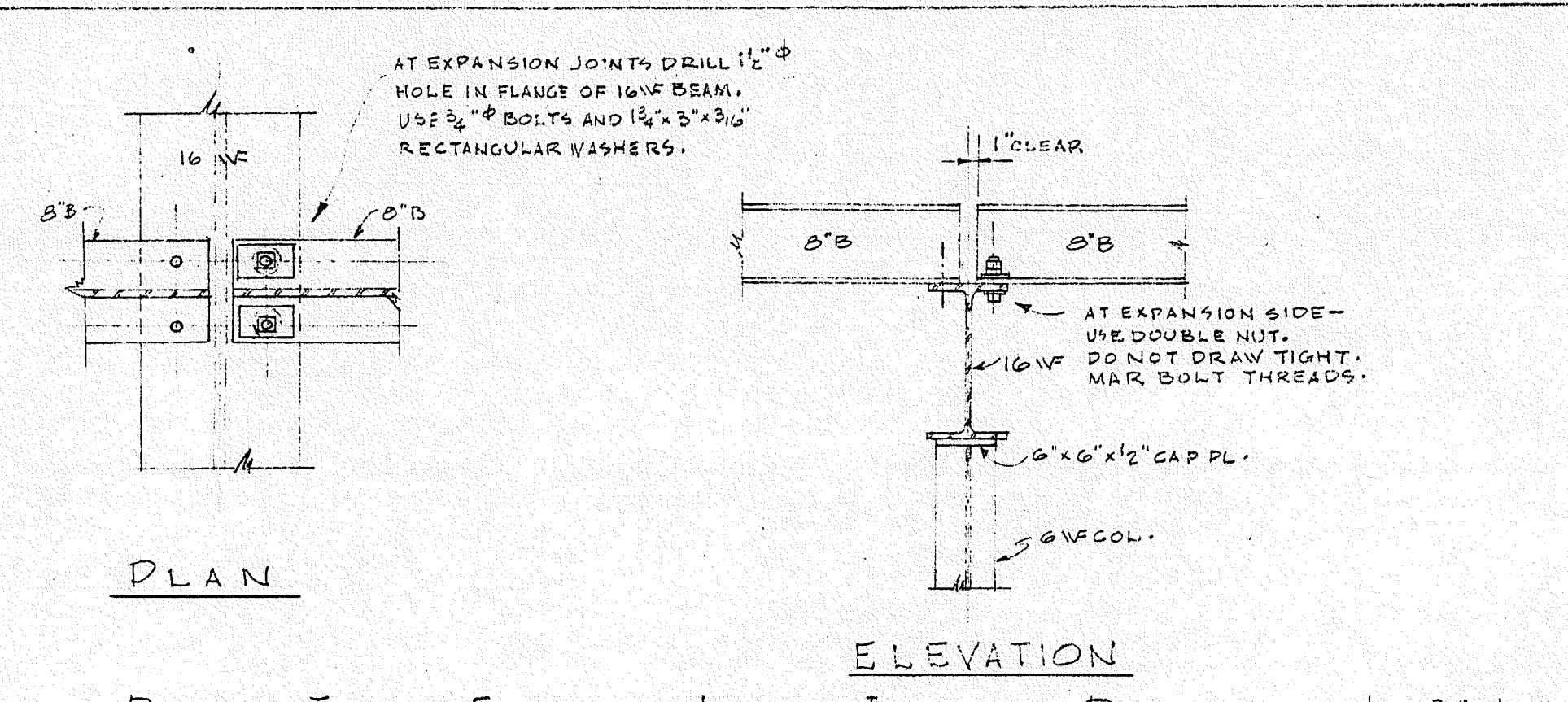
SECTION - 13  
SCALE - 1/4" = 1'-0"

ROOF FRAMING DETAILS			
		FRAMINGHAM HIGH SCHOOL FLAGG DRIVE FRAMINGHAM, MASSACHUSETTS SAMUEL GLASER ASSOCIATES ARCHITECTS ENGINEERS	
GOLDBERG, LEMESSURIER & ASSOCIATES CONSULTING ENGINEERS			
DRAWN BY: ARC CHECKED BY:	DATE: MAY 26, 1956	CASE NO.: 5608	DRAWING NO.: S11

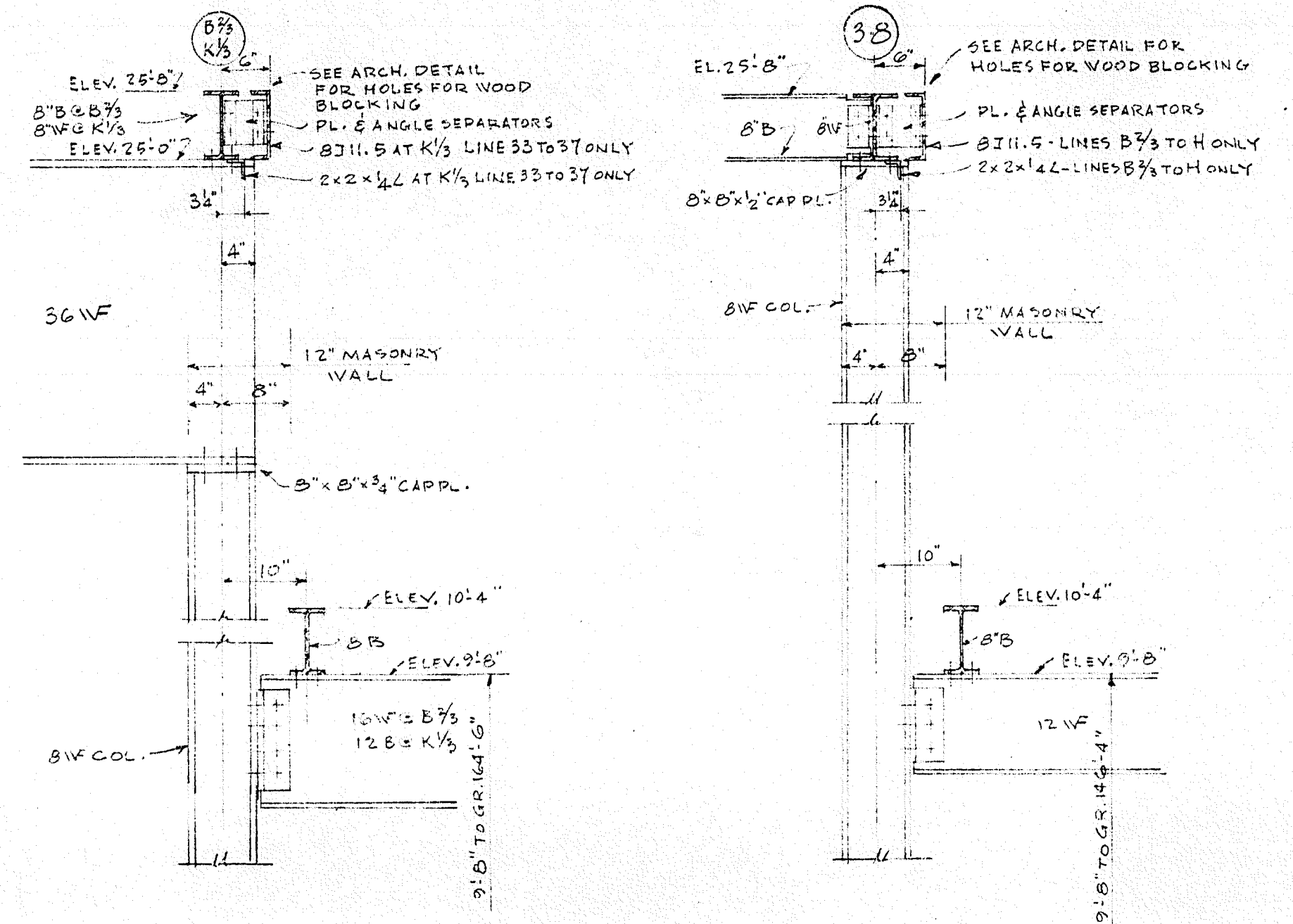




GIRDER SECTION A-A & B-B  
SCALE - 3/4" = 1'-0"

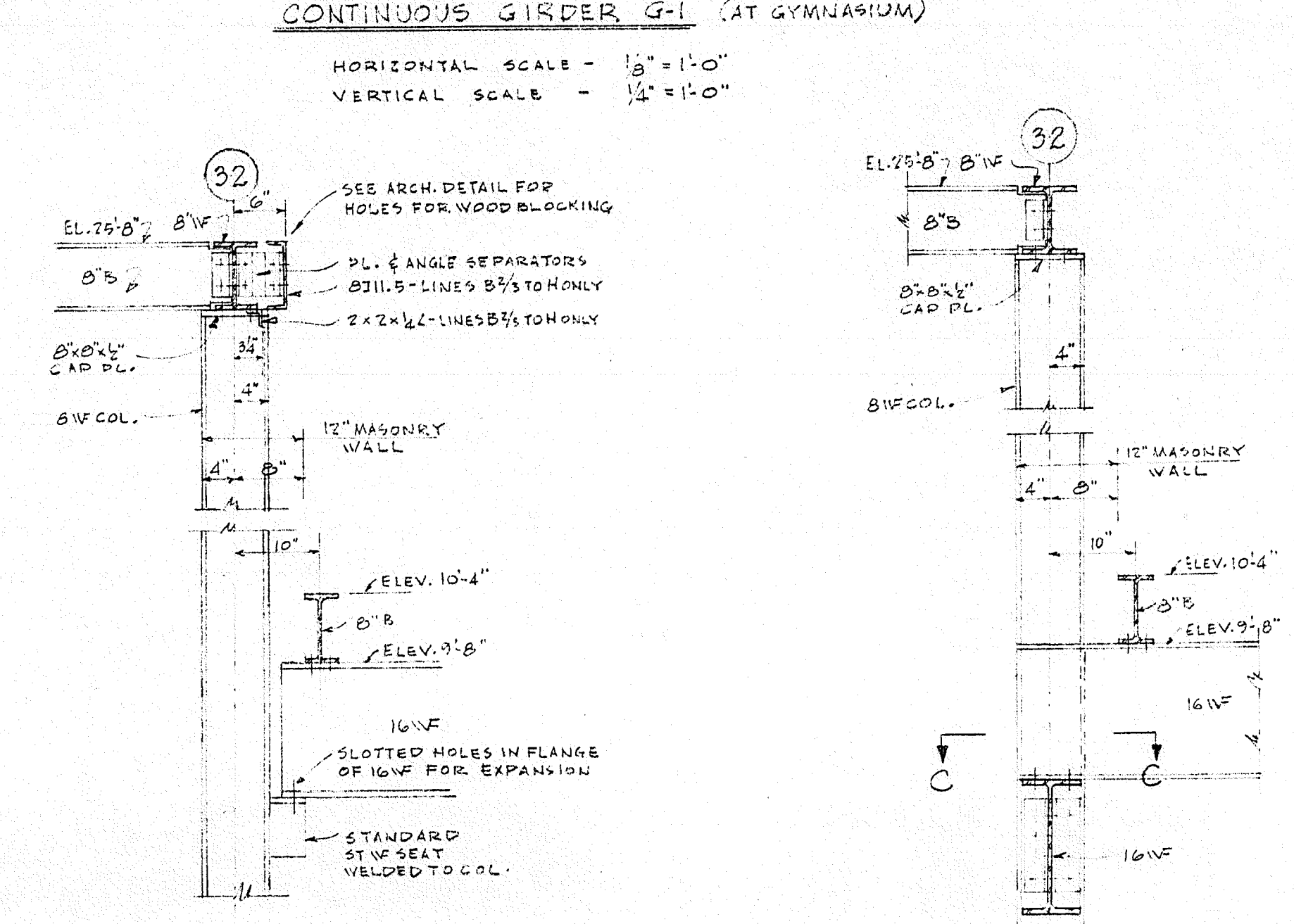


DETAILS-TYPICAL EXPANSION JOINT AT INTERIOR PURLING  
SCALE - 3/4" = 1'-0"



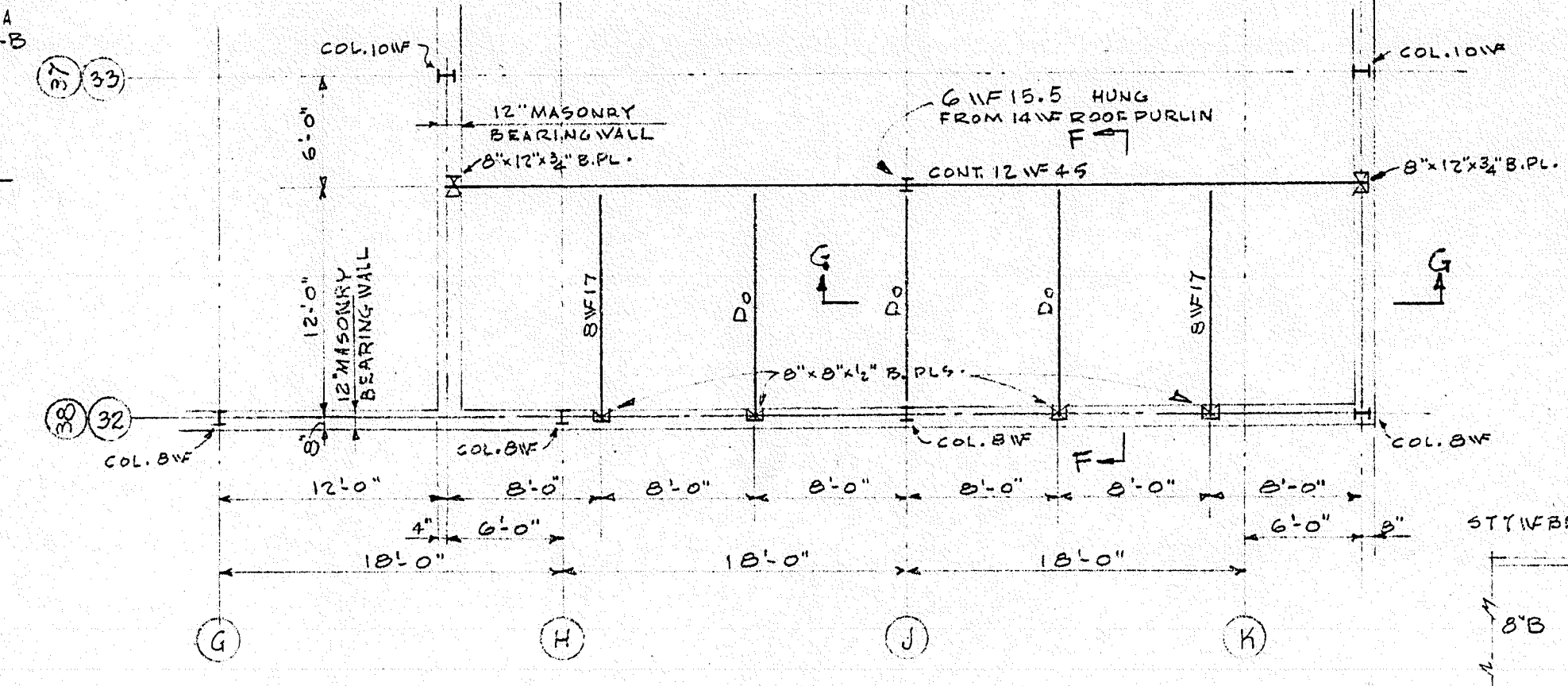
SECTION 1  
SCALE - 3/4" = 1'-0"

SECTION 2  
SCALE - 3/4" = 1'-0"

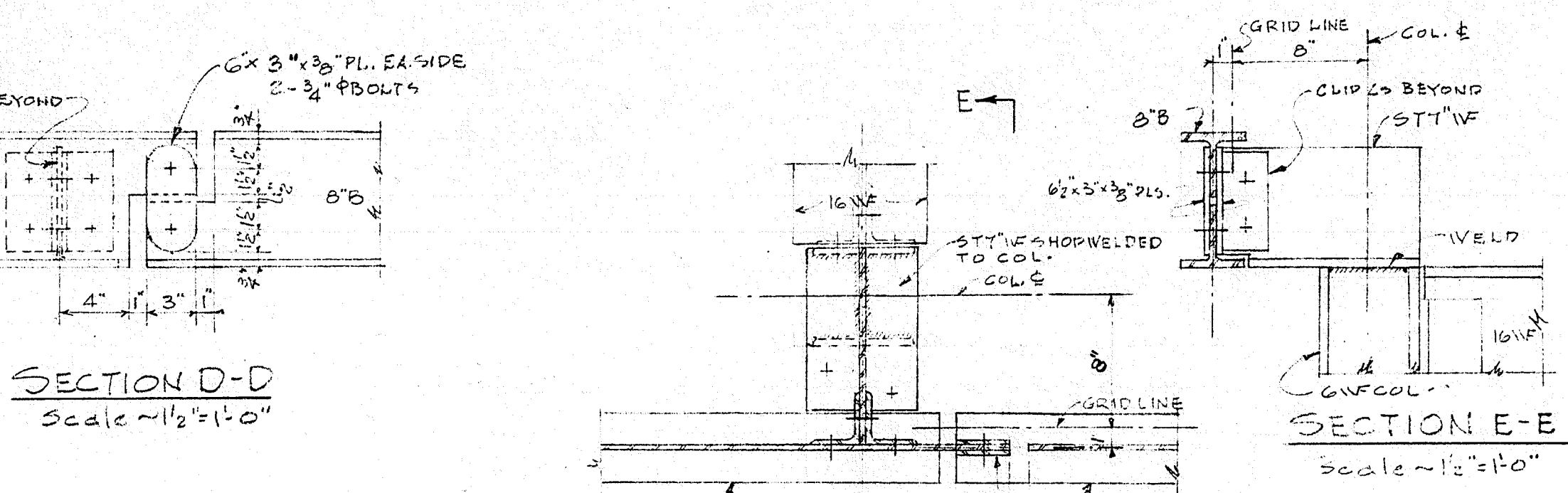


SECTION 3  
SCALE - 3/4" = 1'-0"

SECTION 4  
SCALE - 3/4" = 1'-0"

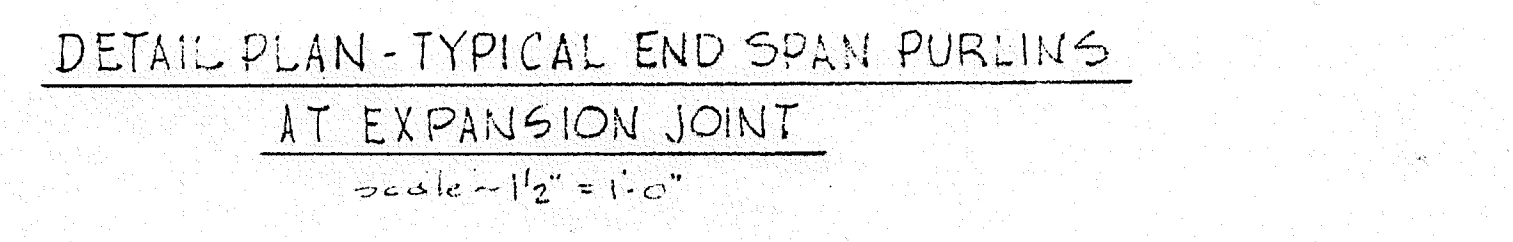


PLAN - MULTI-PURPOSE FAN ROOM  
SCALE - 1/8" = 1'-0"

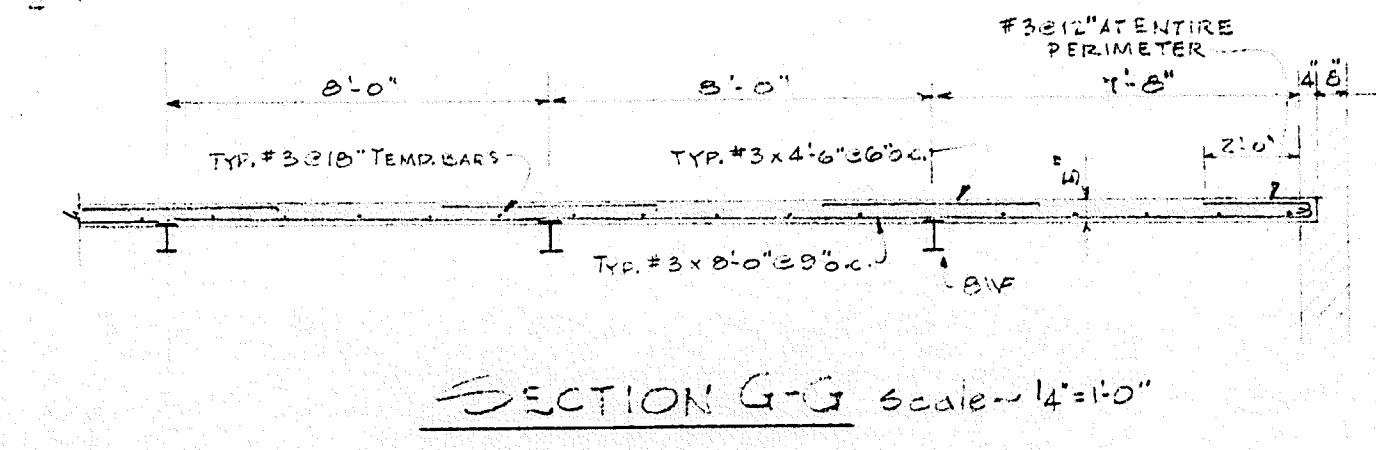


SECTION D-D  
SCALE - 1/2" = 1'-0"

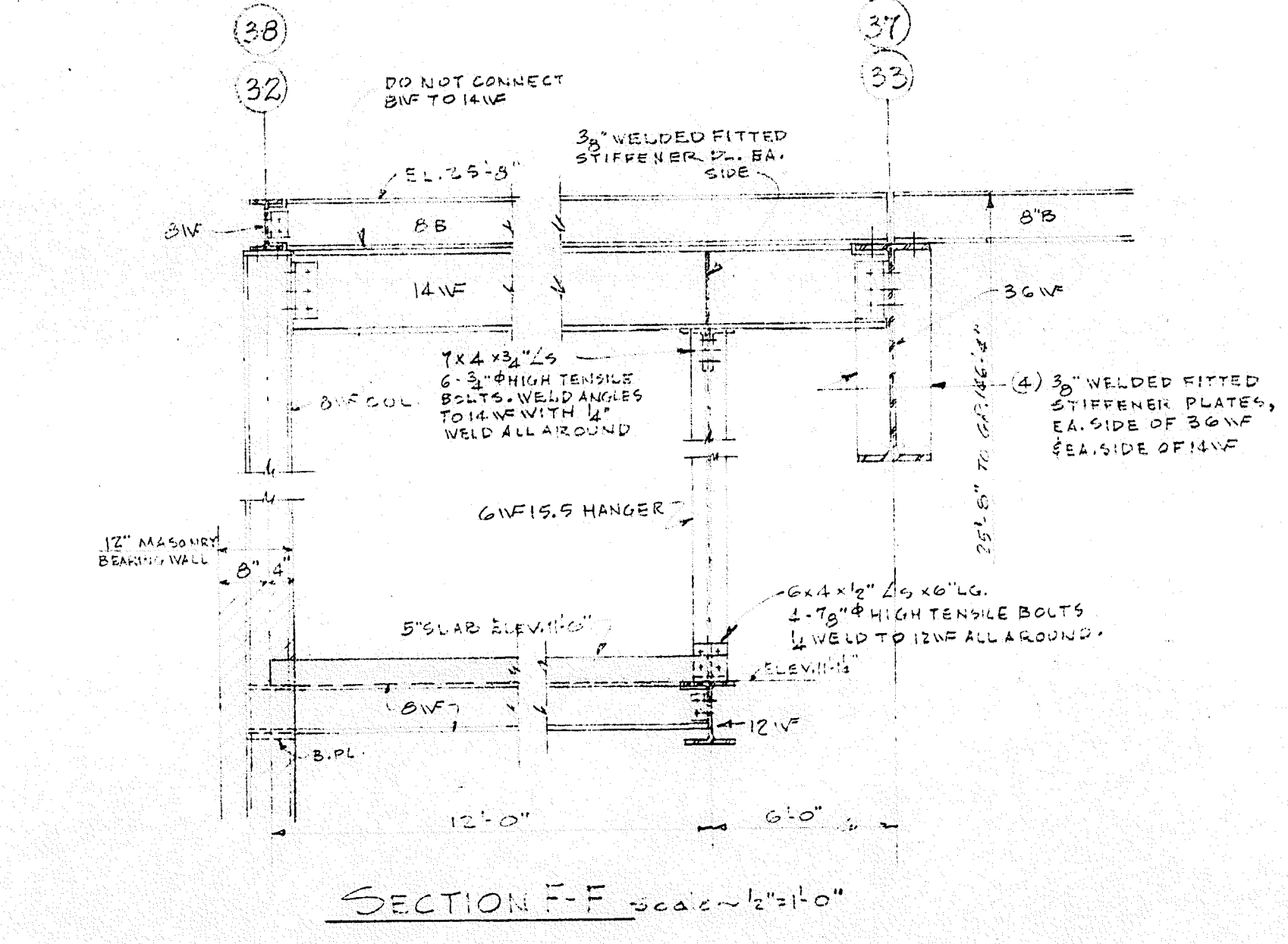
SECTION E-E  
SCALE - 1/2" = 1'-0"



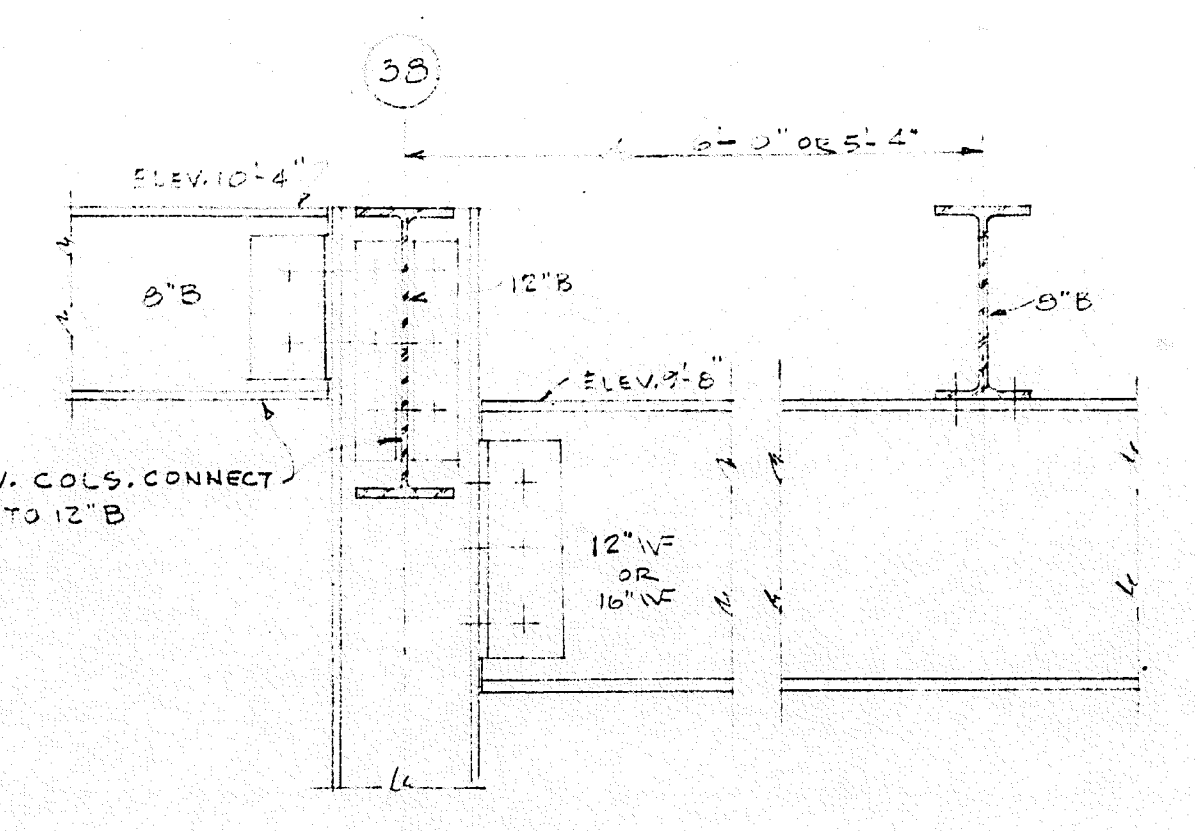
DETAIL PLAN - TYPICAL EXPANSION END SPAN PURLING  
SCALE - 1/2" = 1'-0"



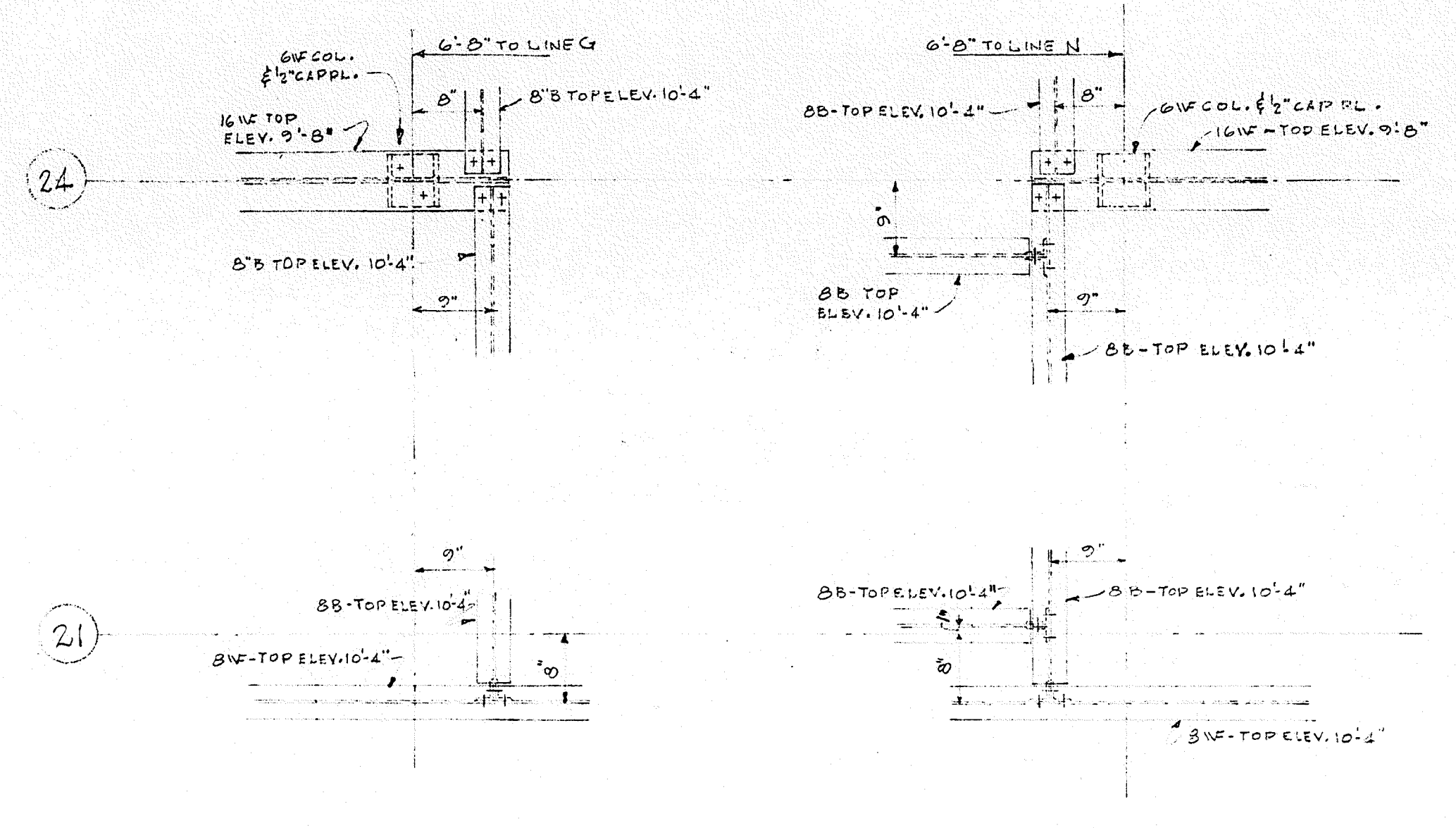
SECTION G-G  
SCALE - 1/2" = 1'-0"



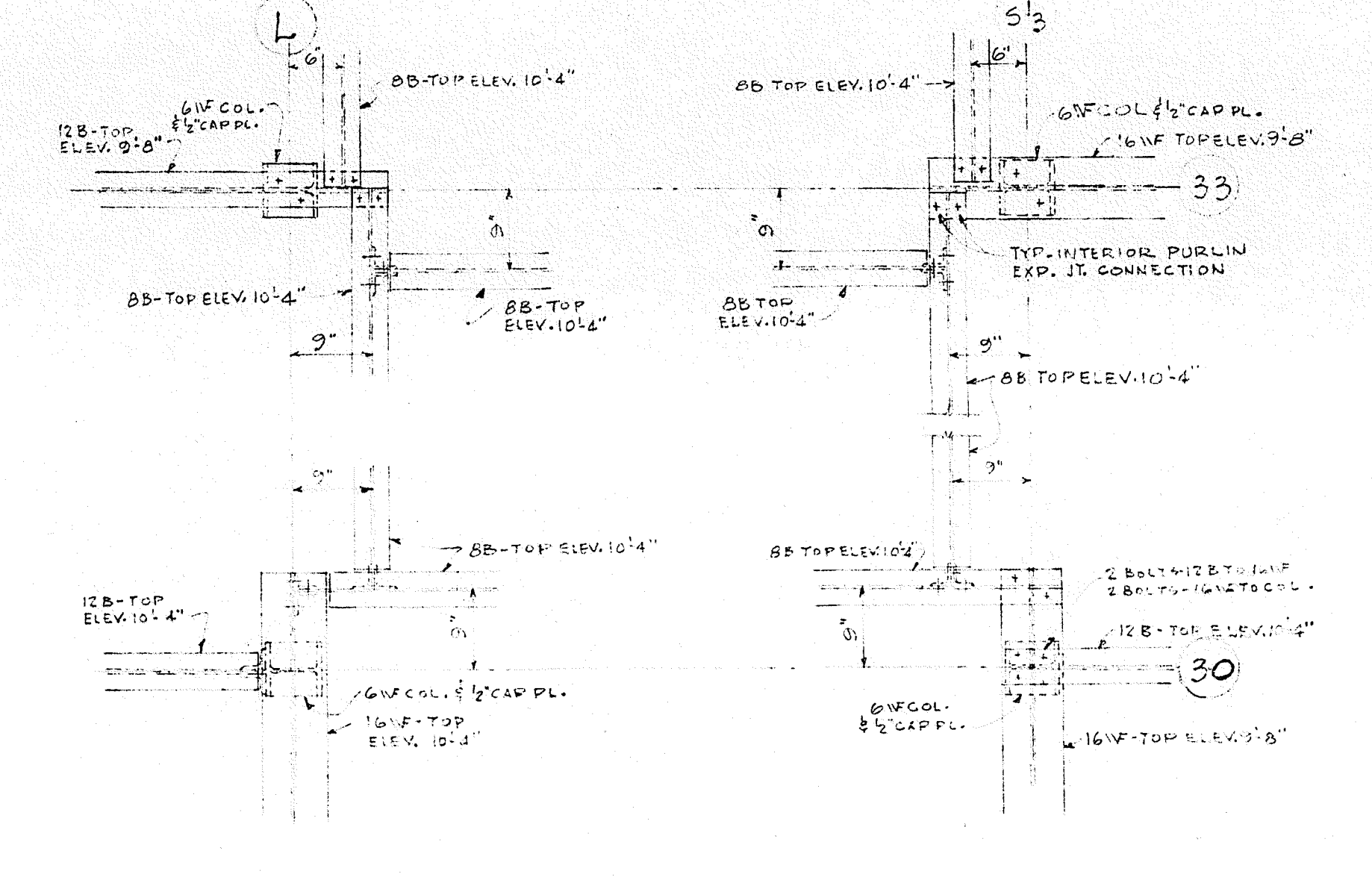
SECTION F-F  
SCALE - 1/2" = 1'-0"



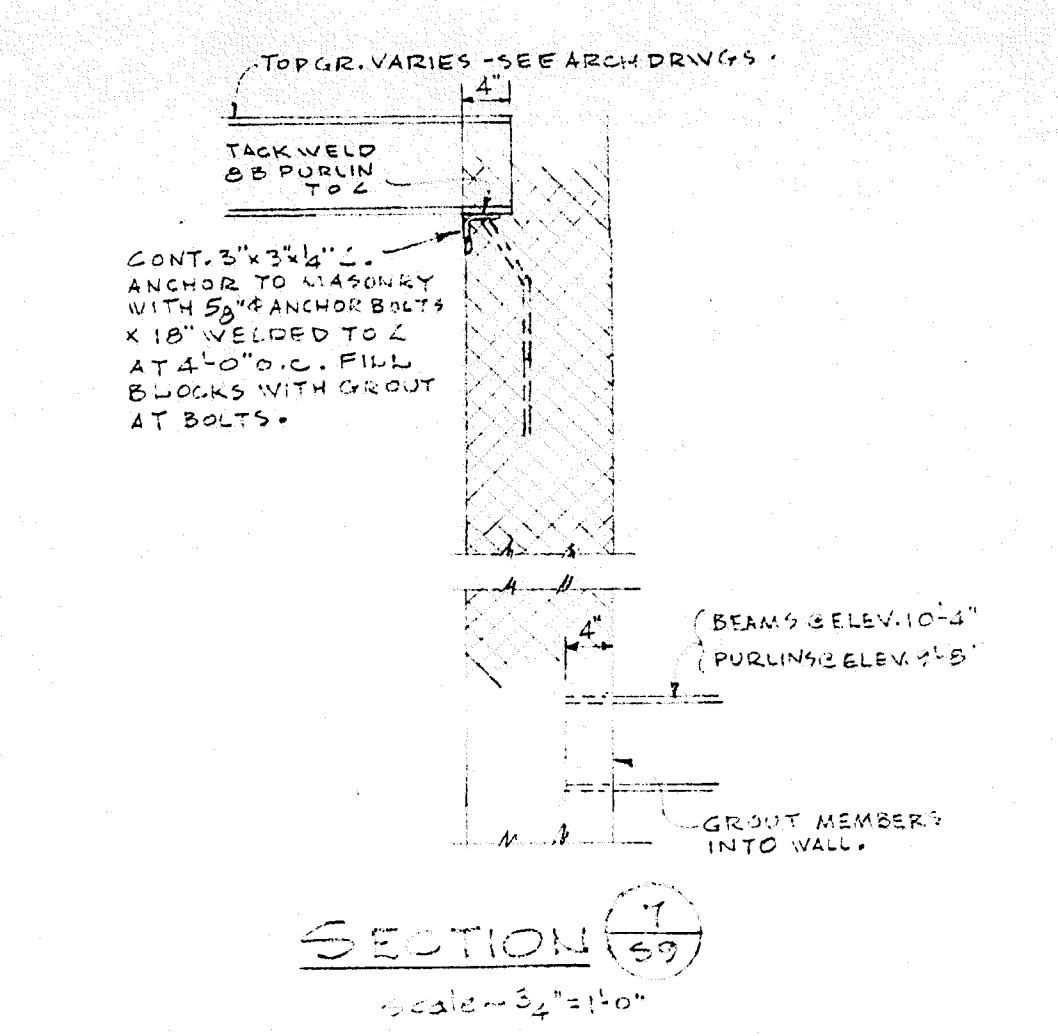
SECTION 5  
SCALE - 1/2" = 1'-0"



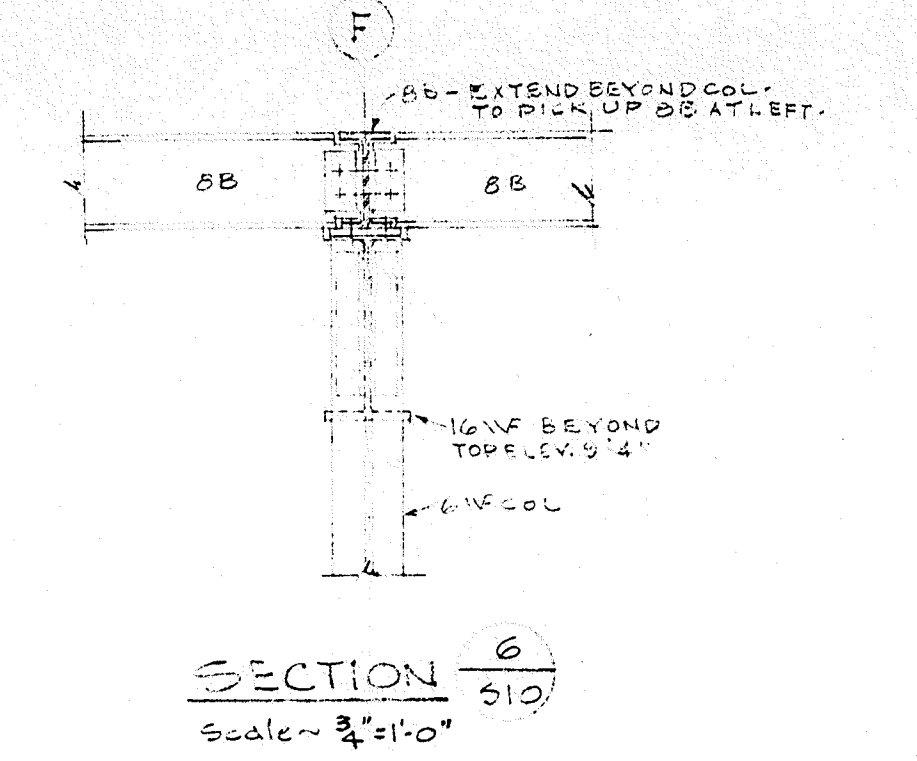
PLAN - CORNER DETAILS AT CENTER COURT  
SCALE - 3/4" = 1'-0"



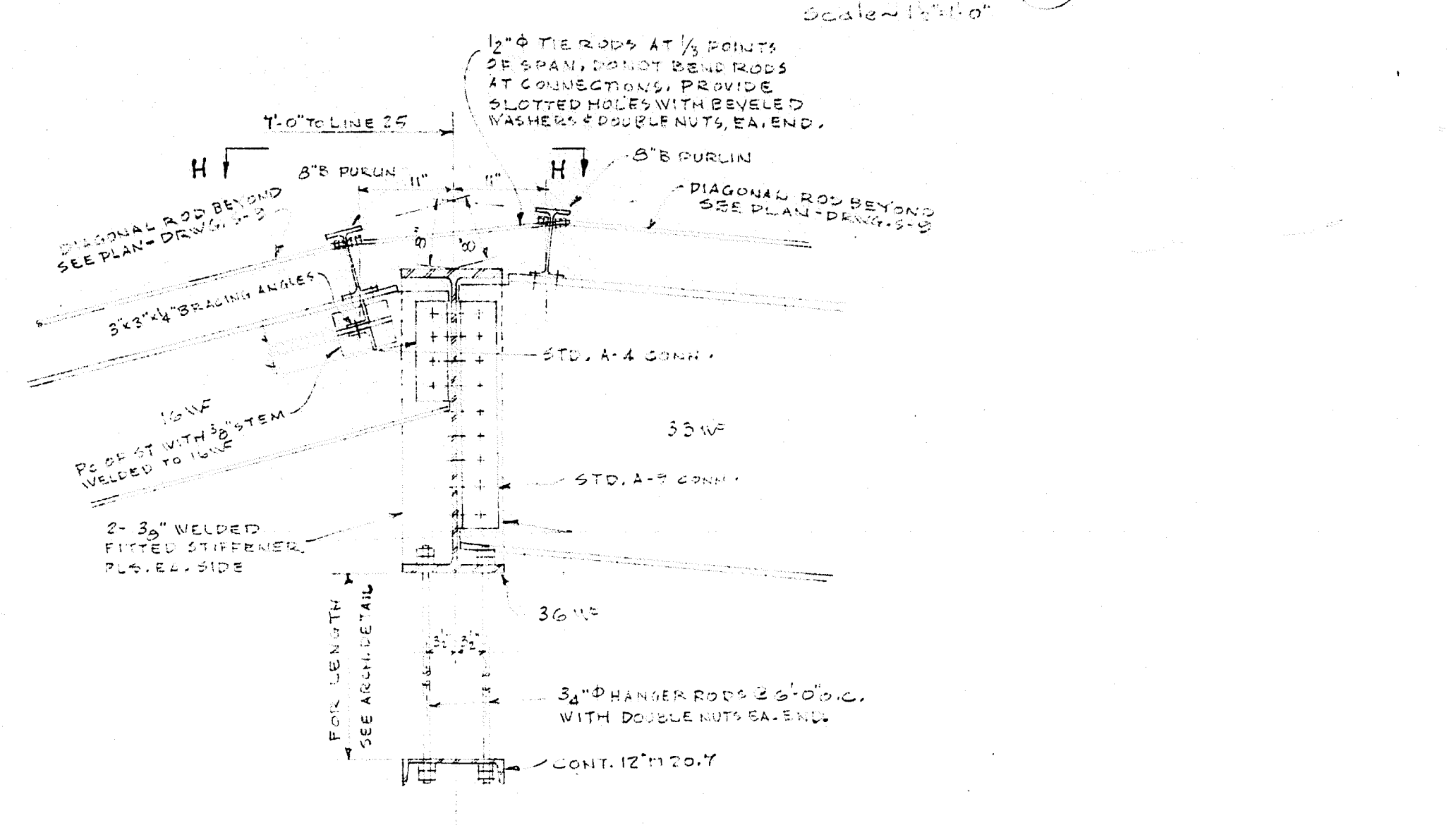
PLAN - CORNER DETAILS AT EAST COURT  
SCALE - 3/4" = 1'-0"



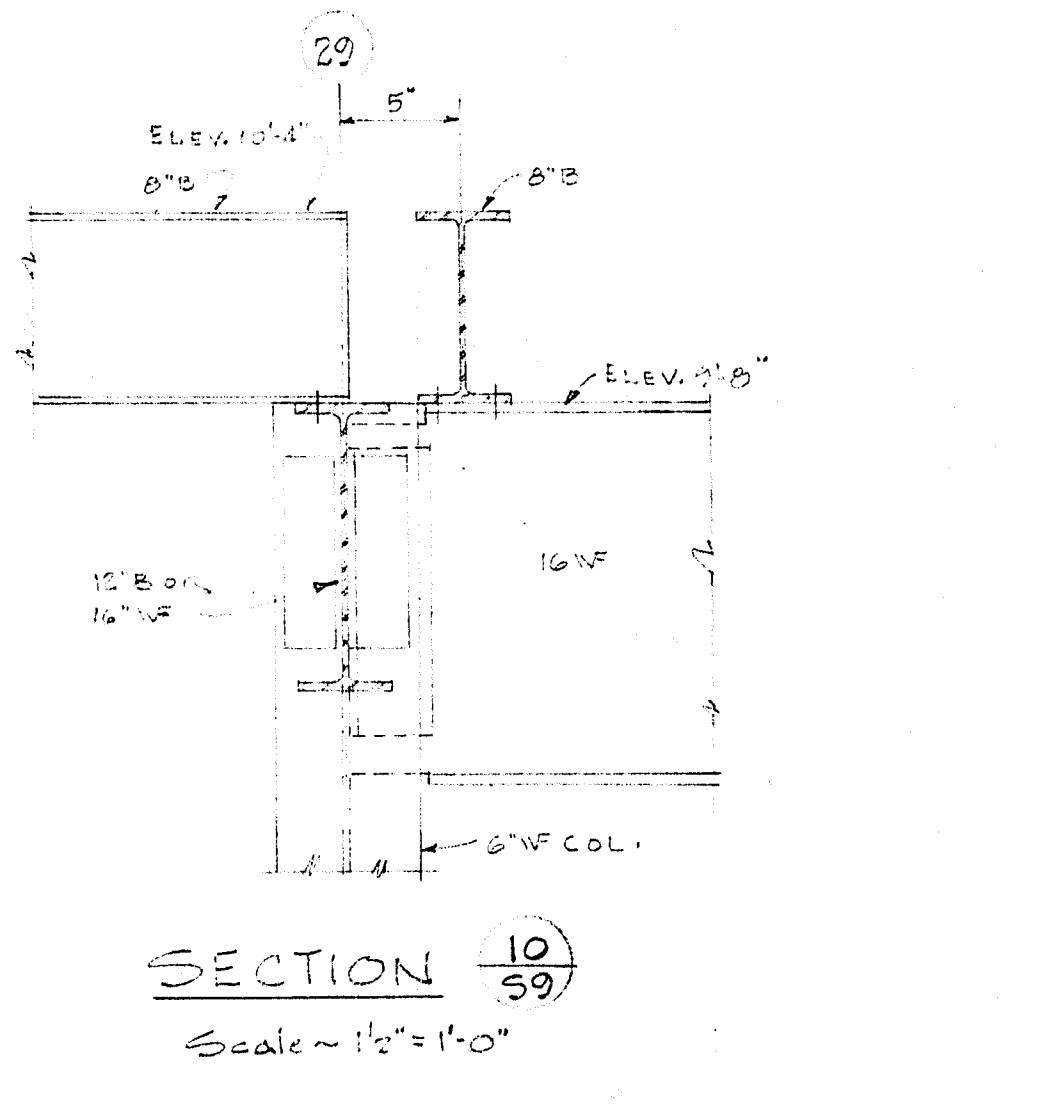
SECTION 6  
SCALE - 3/4" = 1'-0"



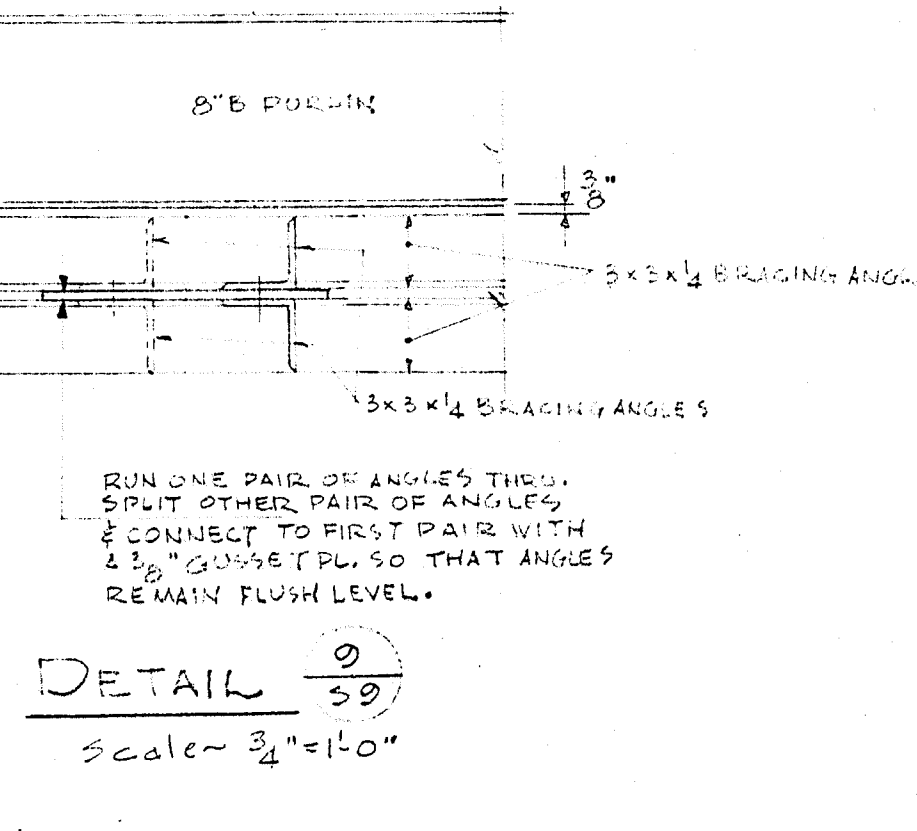
SECTION 7  
SCALE - 3/4" = 1'-0"



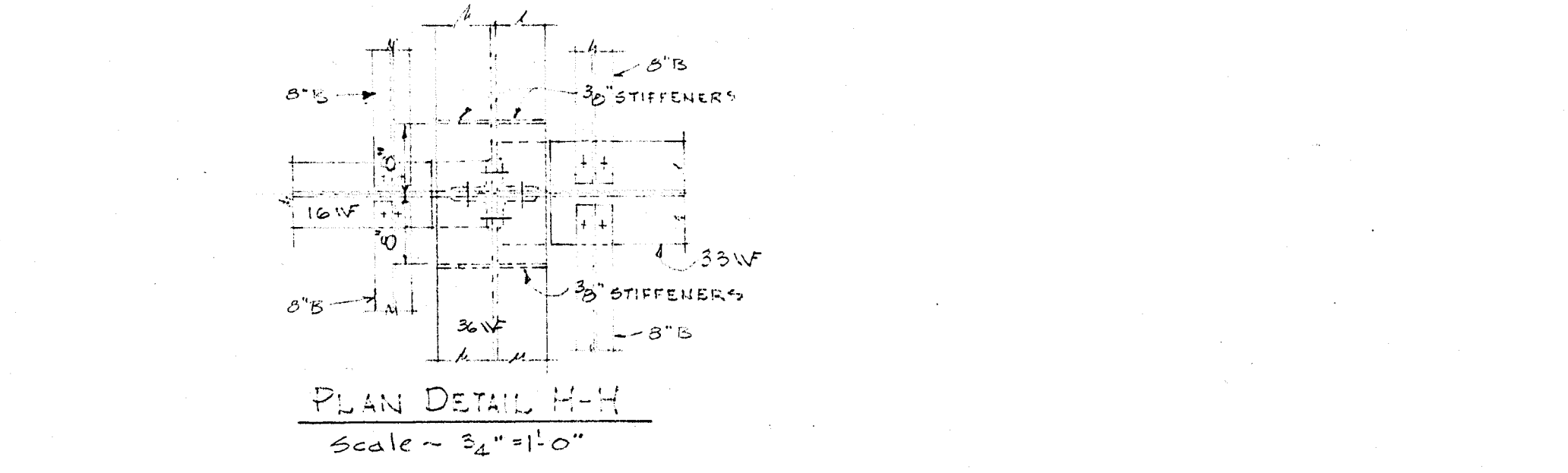
SECTION 8  
SCALE - 3/4" = 1'-0"



SECTION 9  
SCALE - 3/4" = 1'-0"



DETAIL 9  
SCALE - 3/4" = 1'-0"



PLAN DETAIL H-H  
SCALE - 3/4" = 1'-0"

**ROOF FRAMING DETAILS**

FRAMINGHAM HIGH SCHOOL  
FLAG DRIVE  
FRAMINGHAM, MASSACHUSETTS

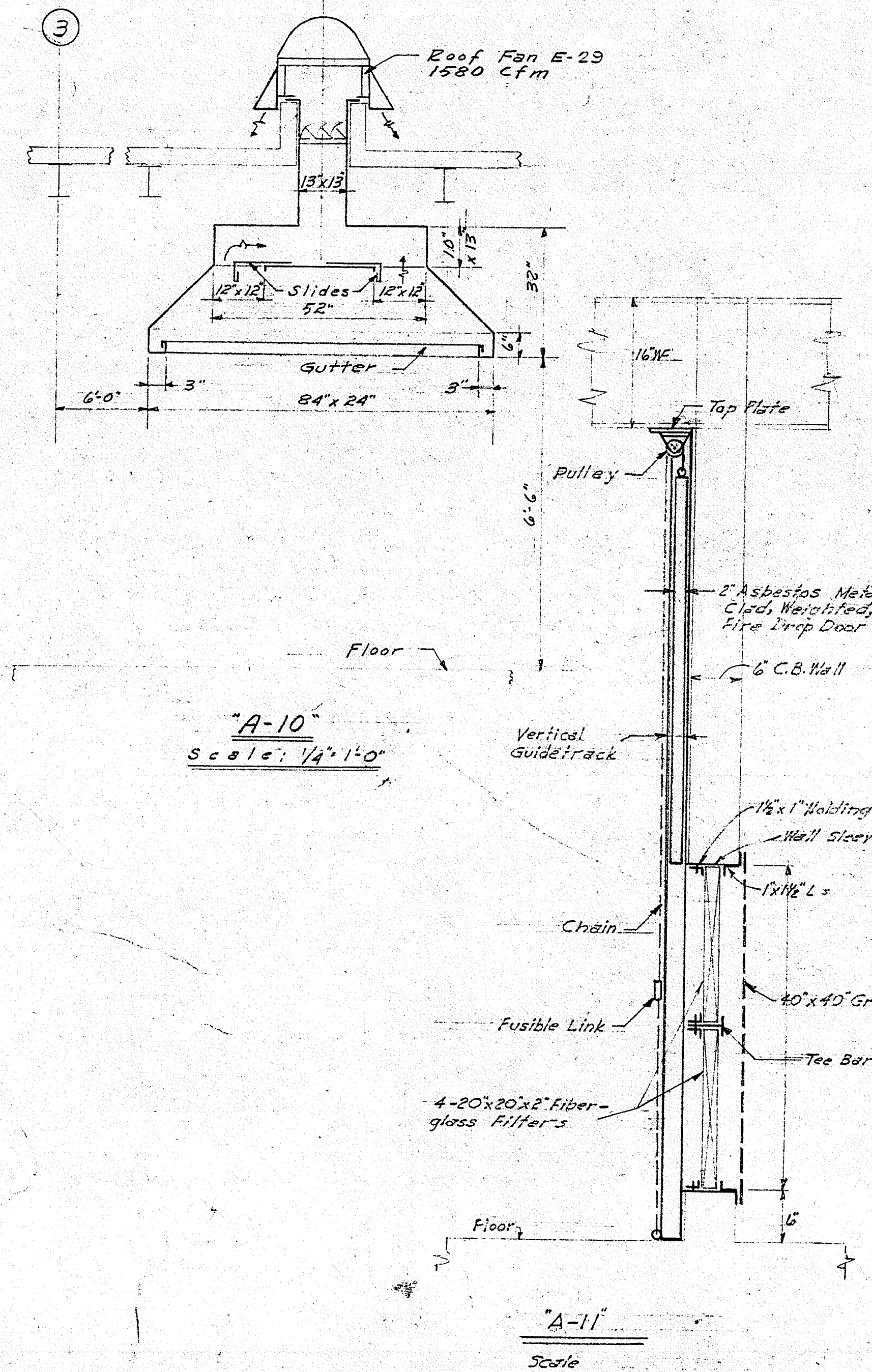
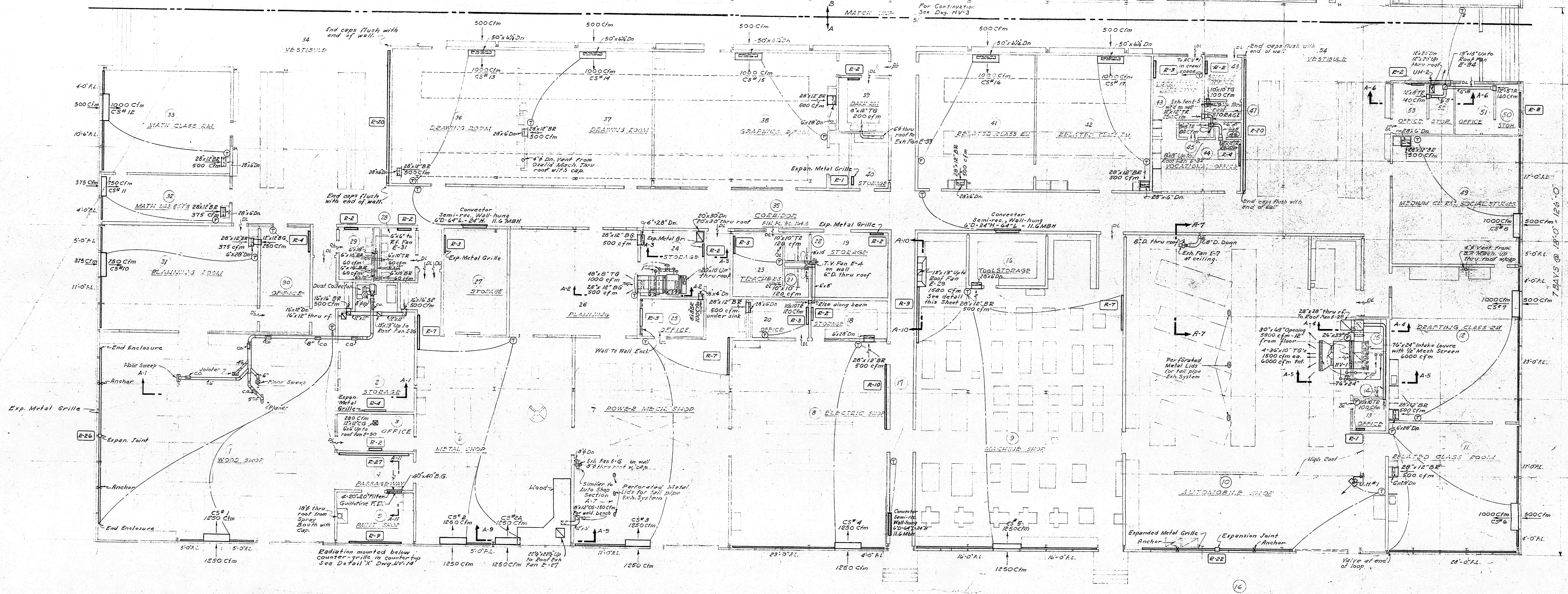
SAMUEL GLASER ASSOCIATES  
ARCHITECTS & ENGINEERS  
FRAMINGHAM, MASSACHUSETTS

J. J. BERG, LEVINSON, J. J. BERG & ASSOCIATES  
CONSULTING ENGINEERS

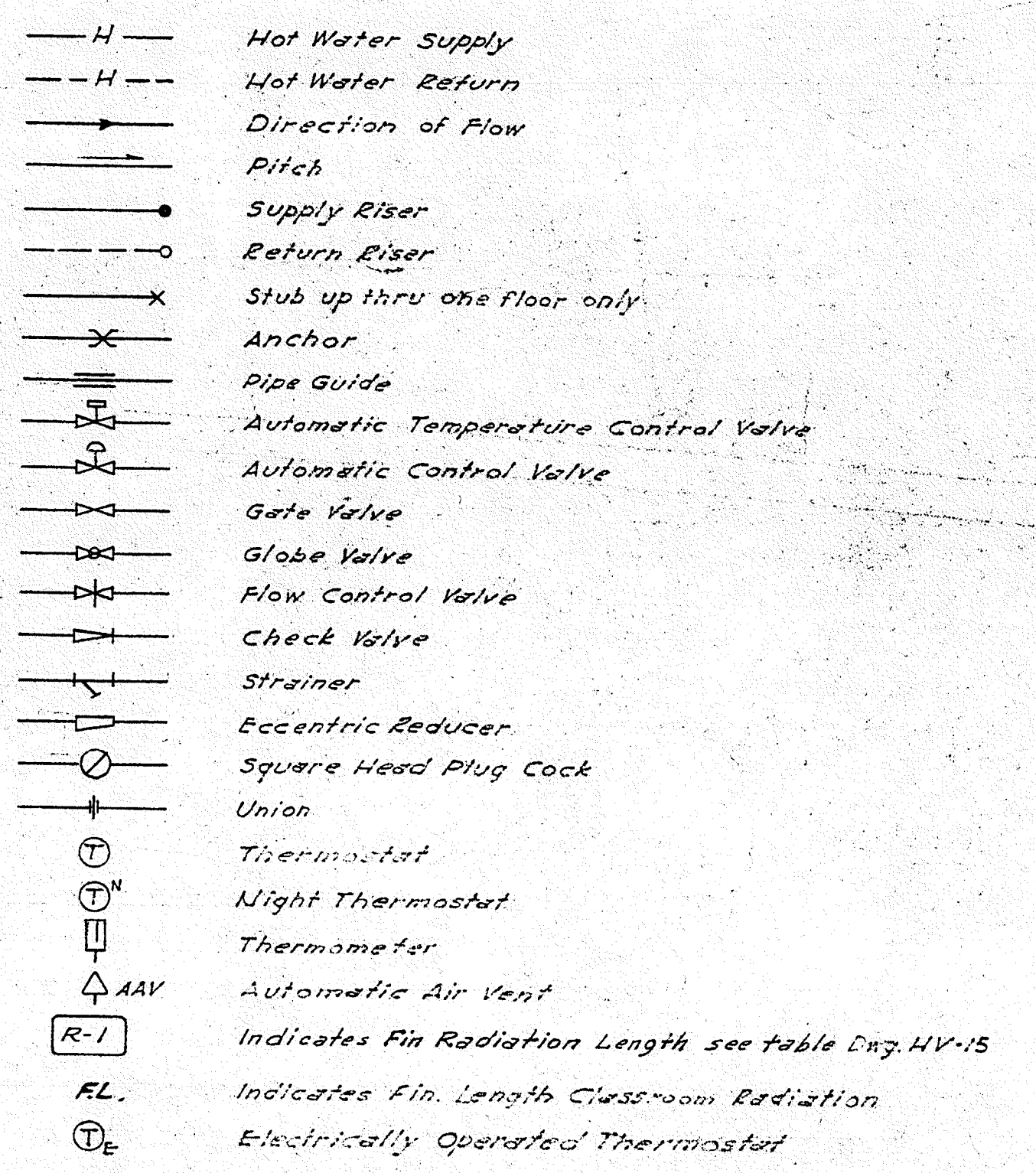
DRAWN BY: DATE: MAY 26, 1959  
CHECKED BY: APPROVED BY: 5608

DRAWING NO. **S12**

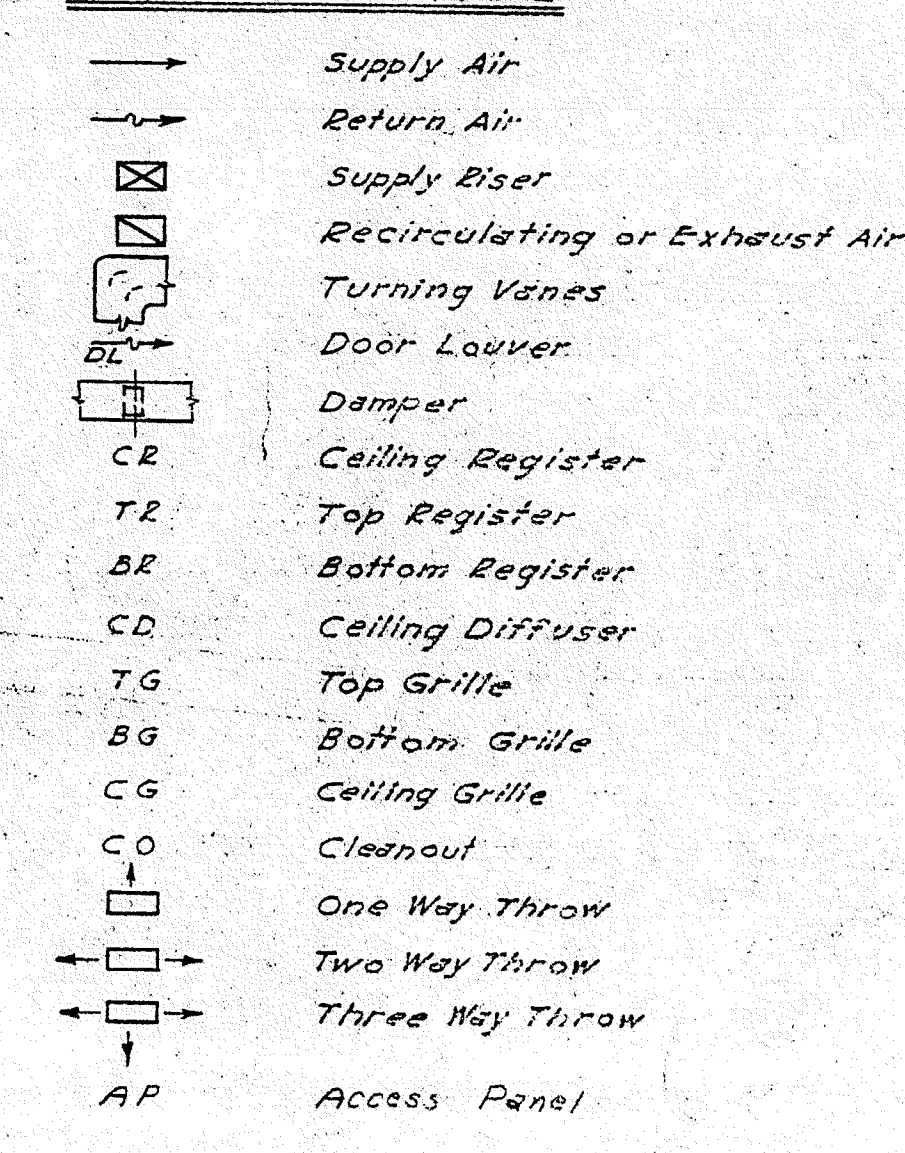




**HEATING**



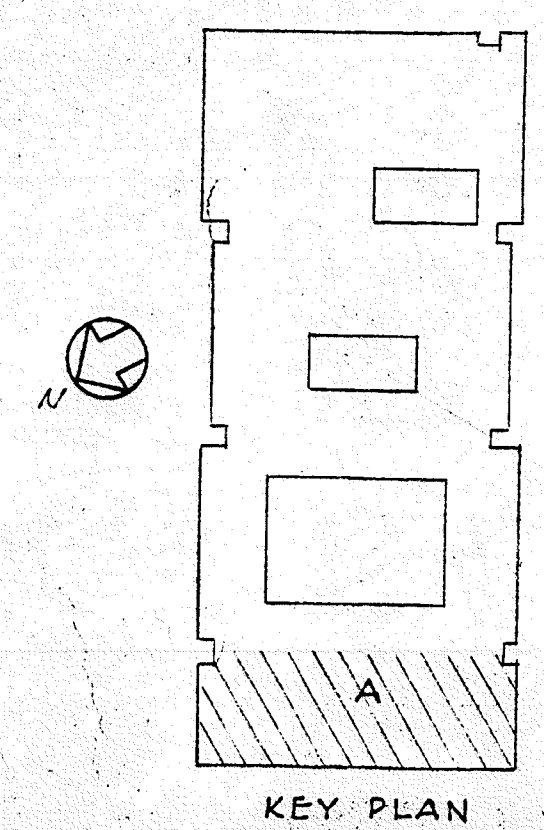
**LEGEND**



**GENERAL NOTES**

- All piping in crawl space shall be kept as high as possible.
- All piping shall be concealed in hung ceilings, pipe chases, in walls etc. unless otherwise noted.
- Where pipe sizes change on horizontal runs, eccentric couplings shall be used.
- Install at least 3 elbows in all runouts from heating mains.
- Automatic air vents shall be installed at all high points.
- Drain valves shall be installed at all low points.
- Thermometers shall be installed on all pump suction & discharge lines on each circulating pump.
- Pressure gauges shall be installed in suction & discharge connection of each circulating pump.
- For exact location of classroom Unit Ventilators & Fresh Air Louvers see Architectural Drawings.
- All classroom Unit Ventilator settings shall be based on standard air units shall be 28" high unless otherwise noted.
- Provide wall boxes, pipe sleeves, etc. in floors & foundation walls for stub-ups & risers where required.
- Duct work to be provided with fire dampers, volume dampers, splitter dampers, turning vanes, access panels, etc. as required.
- All Forced Hot Water heating equipment to be properly sized for removal without draining the entire system.
- Balancing cocks shall be provided as required to insure proper balancing of the entire system.
- All Hot Water supply & return stub-ups to be same size as runouts, unless otherwise noted.
- Provide drawings on all Main, Branch Mains, & as required for proper drainage of hot water heating system up to 80 CFM under cut door 1". All other door levers to be 20"x20" or equivalent, see Arch. Drawings.

NOTES  
1. For continuation of ducts & pipes to crawl space see Dwg. HV-2  
2. For sections see Dwg. HV-10



**FLOOR PLAN "A"**

FRAMINGHAM HIGH SCHOOL  
FLAG DRIVE  
FRAMINGHAM MASSACHUSETTS

SAMUEL GLASS ASSOCIATES  
ARCHITECTS & ENGINEERS  
105 TOWNLEY STREET BOSTON, MASSACHUSETTS

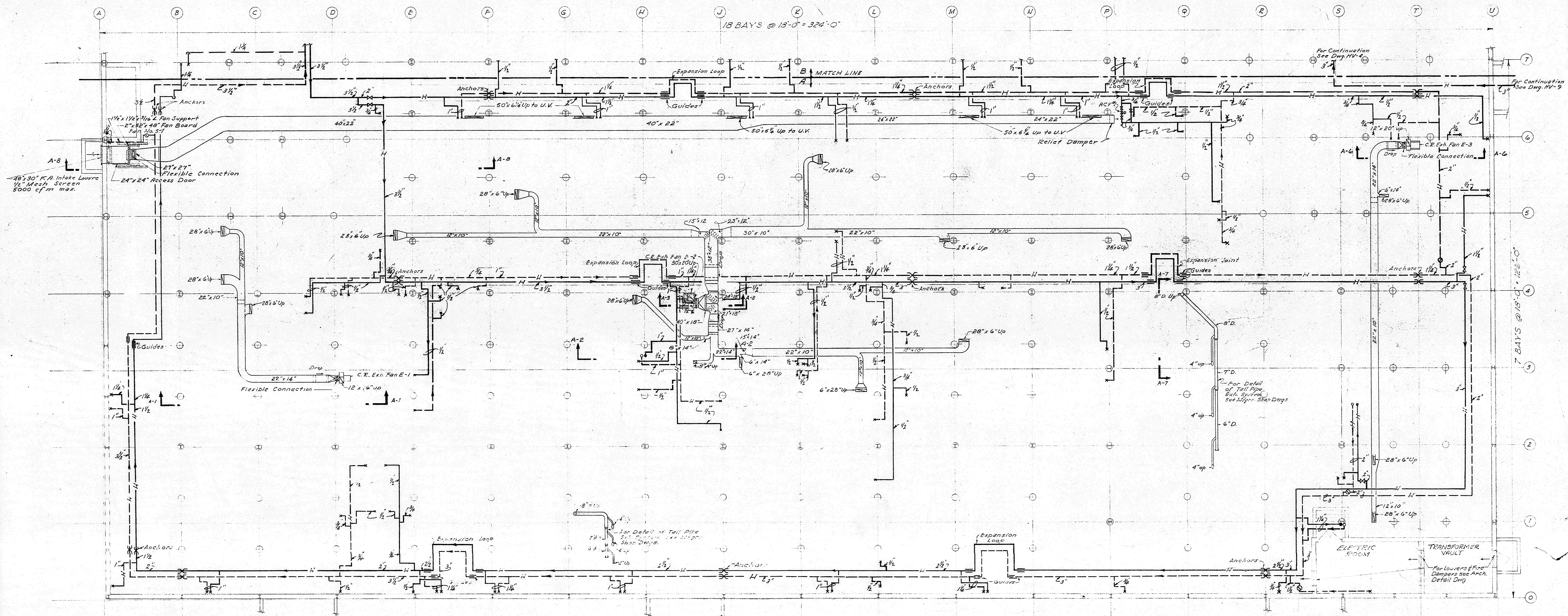
J.M. McCUSKER ASSOCIATES  
CONSULTING ENGINEERS BOSTON, MASS

DRAWING NO. 5608

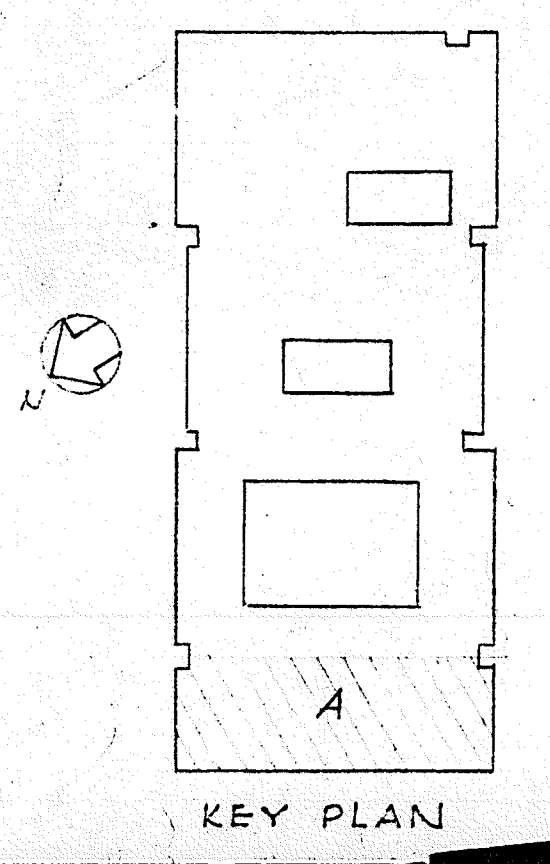
DATE: May 25, 1958

CHECKED BY: WHD APPROVED BY: J.A.N.





NOTES:  
 1. For Costs see DWG. NY-4  
 2. For Details of Connections see DWG. NY-11  
 3. For Sections see DWG. NY-10



<b>CRAWL SPACE PLAN "A"</b>	
FRANKHAM HIGH SCHOOL PLAZA DRIVE FRANKHAM, MASSACHUSETTS	
SAMUEL CLARKE ASSOCIATES ARCHITECTS & ENGINEERS	
J. M. McCUSKER ASSOCIATES CONSULTING ENGINEERS, BOSTON, MASS.	
DRAWN BY: HJE	DATE: May 25, 1954
5608 <b>IV-2</b>	

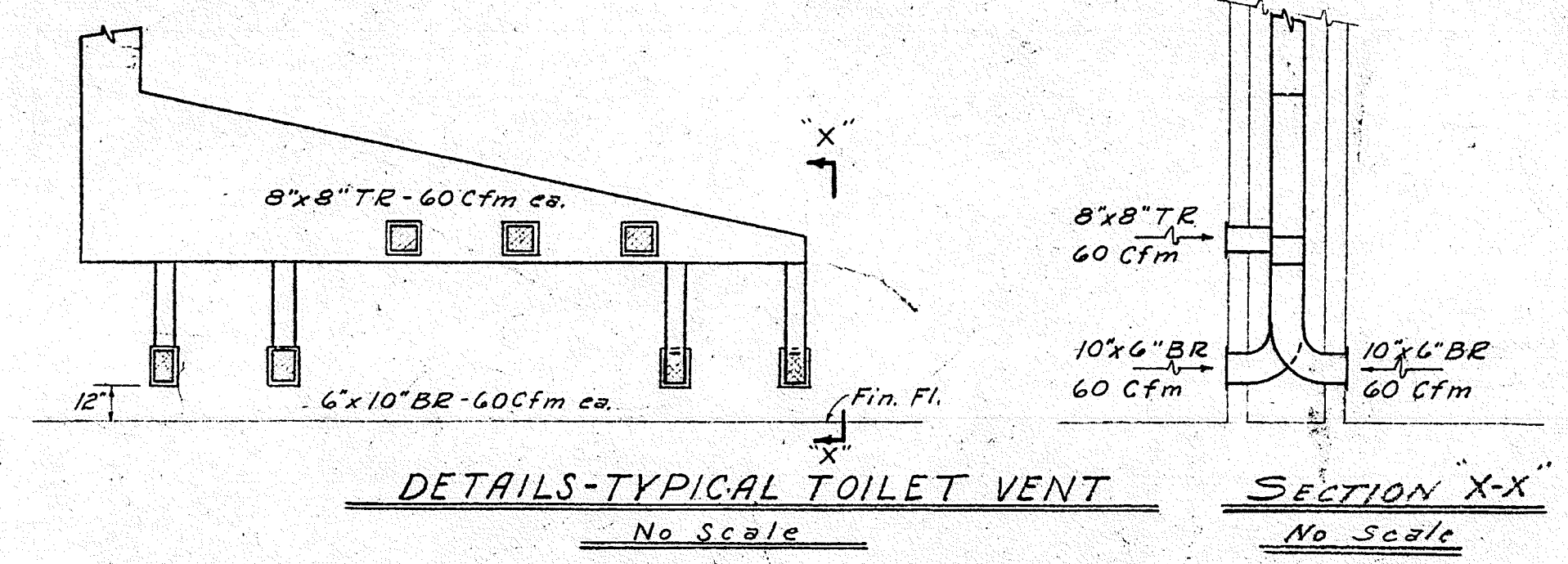
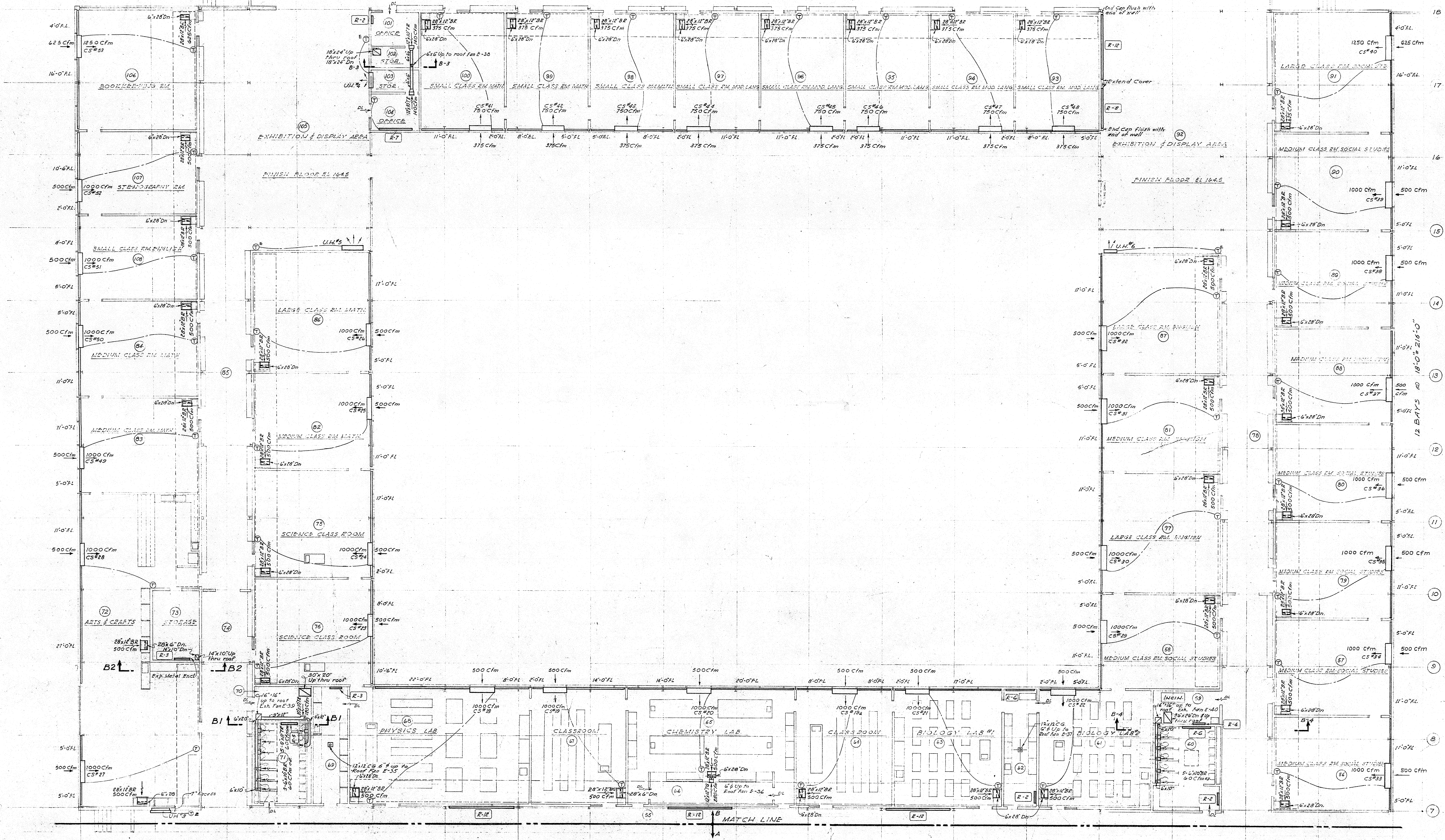


18 BAYS @ 18'-0" = 324'-0"

MATCH LINE

19

SOCCER PL.



NOTE:  
 1. For General Notes & Legend, see Draw. No. 100  
 2. See sections on page 11-10

**FLOOR PLAN "2"**

FRANKLIN HIGH SCHOOL  
 FLAG DRIVE  
 FRANKLIN, MASSACHUSETTS

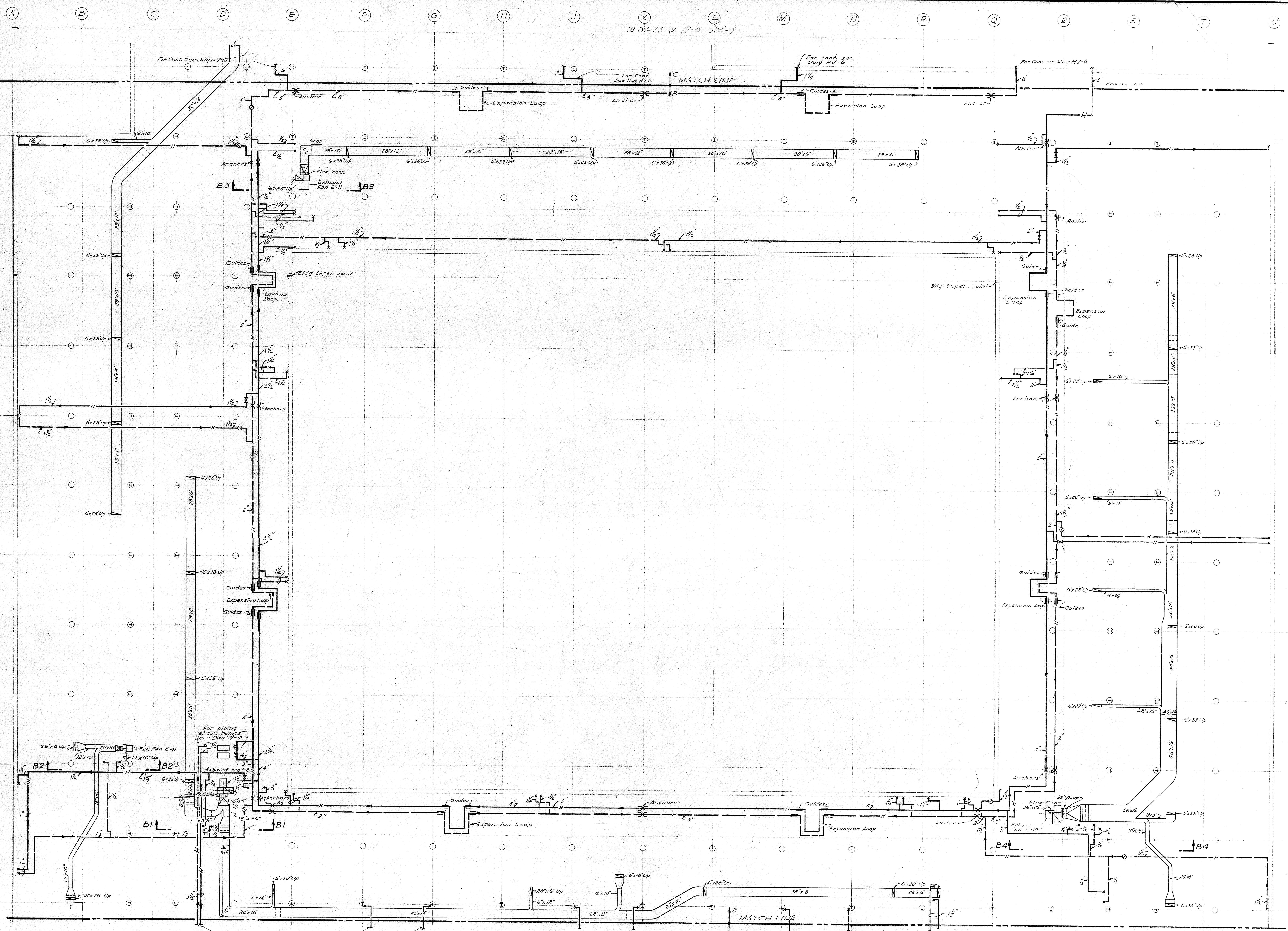
SAMUEL GLASER ASSOCIATES  
 ARCHITECTS - ENGINEERS

J.M. McCUSKEE ASSOCIATES  
 CONSULTING ENGINEERS, BOSTON, MASS.

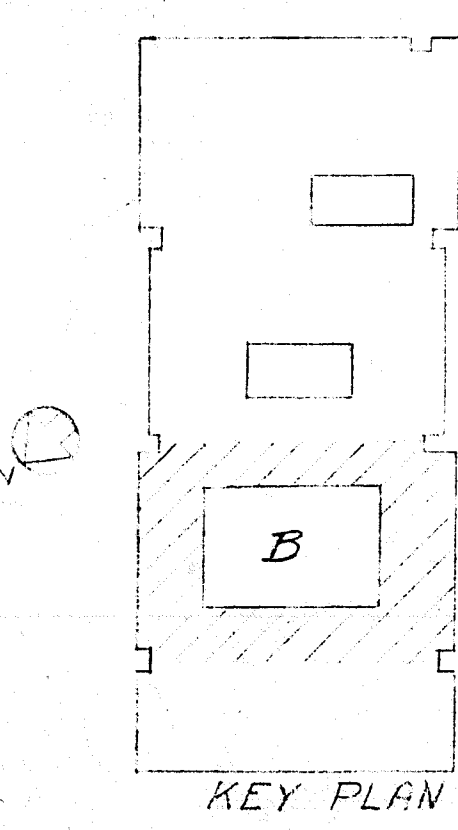
DRAWING NO. 5608

DATE: May 25, 1956





NOTES:  
 1. For General Notes & Details, see Dwg. HV-1.  
 2. For Sections, see Dwg. HV-10.



**CRAWL SPACE PLAN "B"**

BRIMMINGHAM HIGH SCHOOL  
 100 STATE ST.  
 BRIMMINGHAM, MASSACHUSETTS

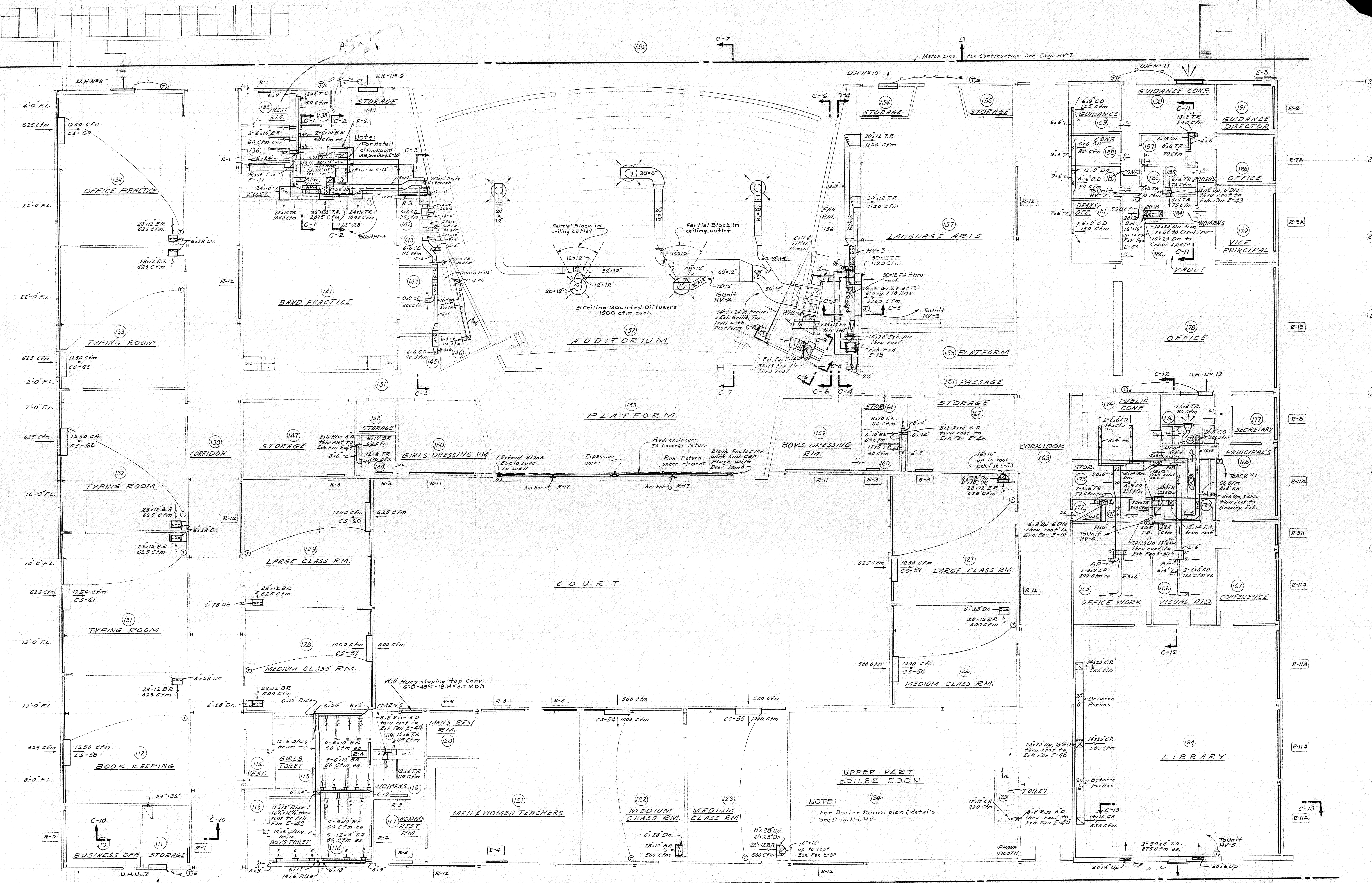
J.M. McCUSKER ASSOCIATES  
 CONSULTING ENGINEERS, 805 STATE ST.  
 BRIMMINGHAM, MASSACHUSETTS

DATE: T.F. May 25, 1966  
 DRAWN BY: WND

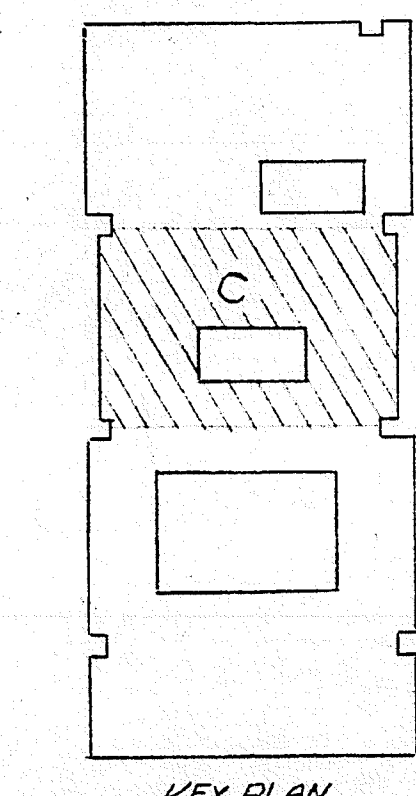
5605 **HV-4**



A B C D E F G H I J K L M N O P Q R S T



NOTES:  
 1. For General Notes & Legend see Dwg. HV-1  
 2. For Sections see Dwg. HV-6 & HV-11

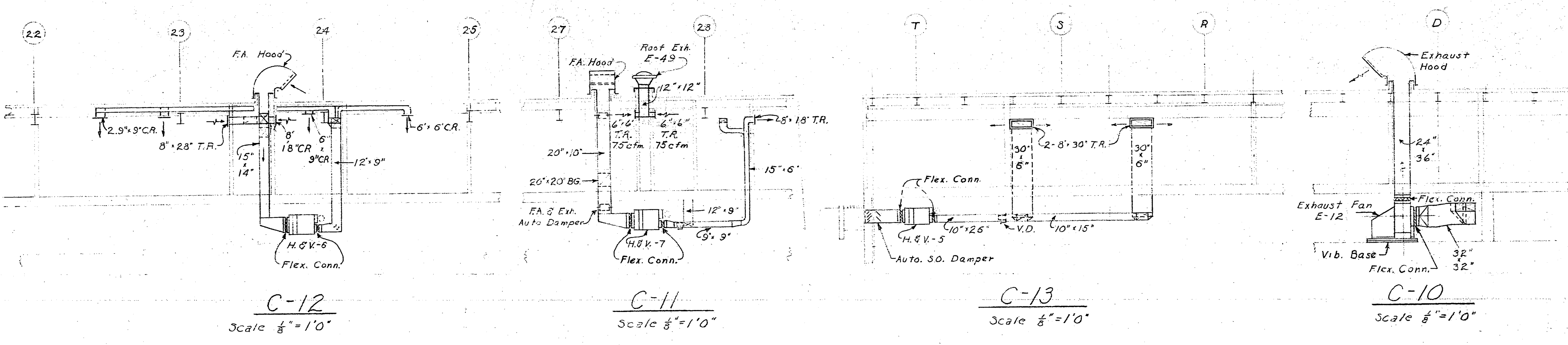
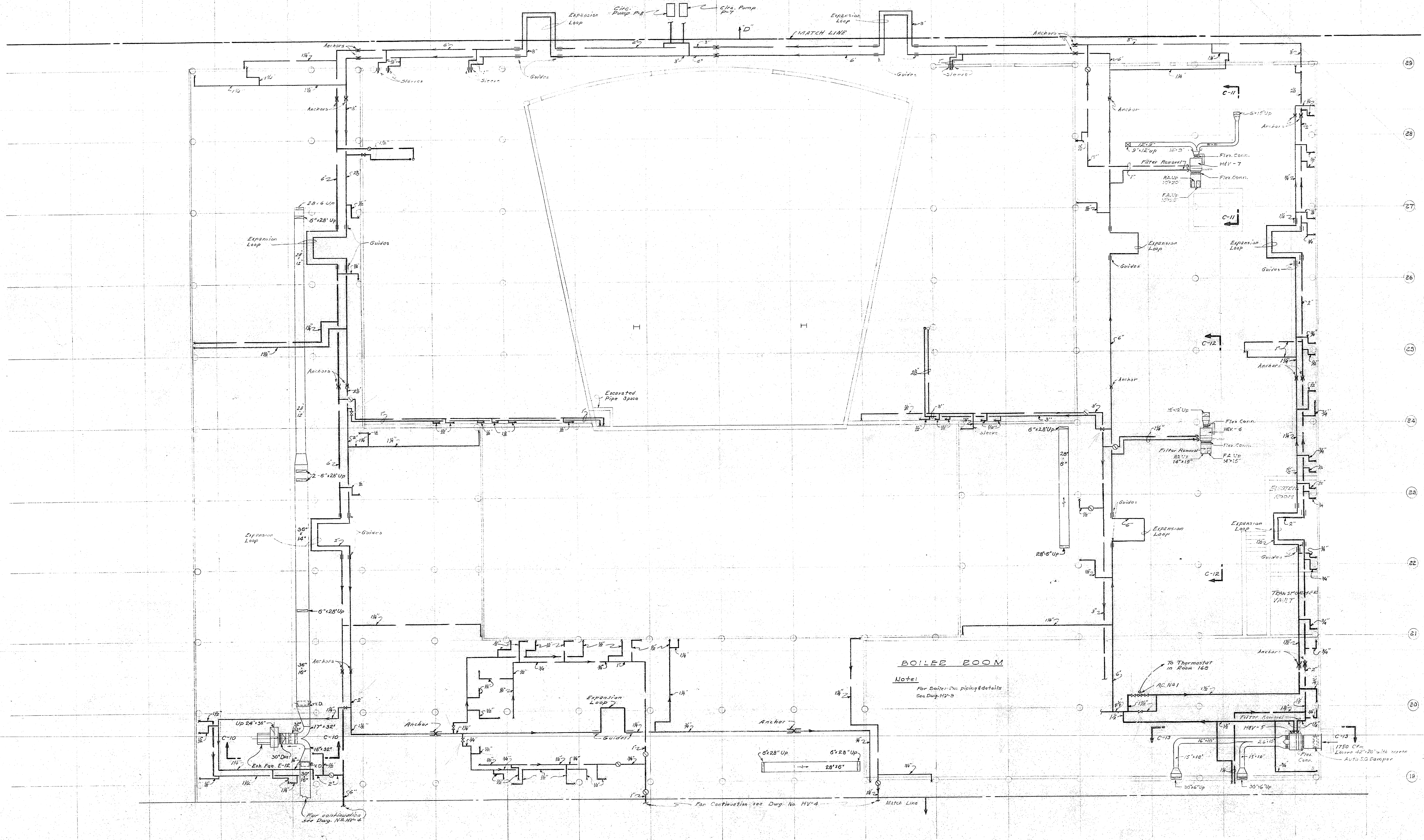


<b>FLOOR PLAN "C"</b>	
FRAMINGHAM HIGH SCHOOL FLAGG DRIVE FRAMINGHAM, MASSACHUSETTS	
SAMUEL GLASER ASSOCIATES ARCHITECTS - ENGINEERS 102 NEWBURY STREET - BOSTON, MASSACHUSETTS	
J. M. McCUSKER ASSOCIATES CONSULTING ENGINEERS - BOSTON, MASS.	
DATE: May 25, 1956	JOB No. 5608
CHECKED BY: W.H.D.	APPROVED BY: J.A.M.
<b>HV-5</b>	



A B C D E F G H I J K L M N O P Q R S T U

NOTE:  
 For Pump Piping  
 & Detail, See Area  
 See Dwg. No. MV-12



NOTE:  
 For General Notes & Legends see Dwg. MV-1

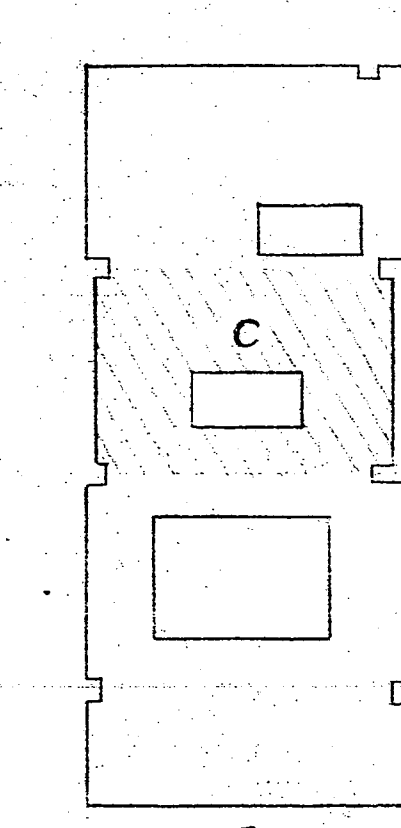
**PLAN "C" CRAWL SPACE**

FRAMINGHAM HIGH SCHOOL  
 FLAGG DRIVE  
 FRAMINGHAM, MASSACHUSETTS

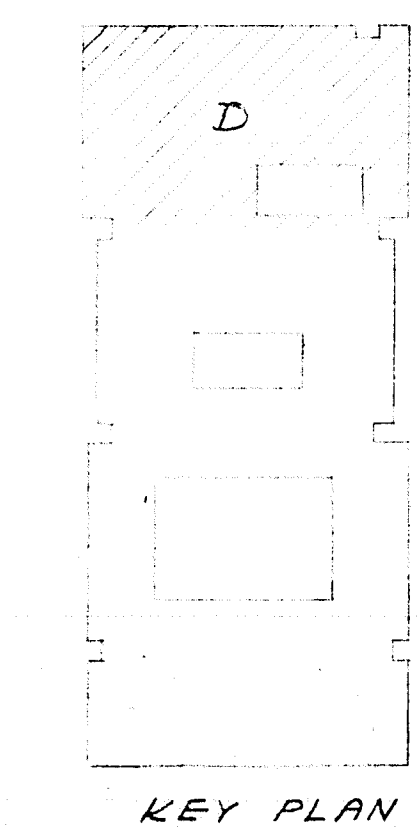
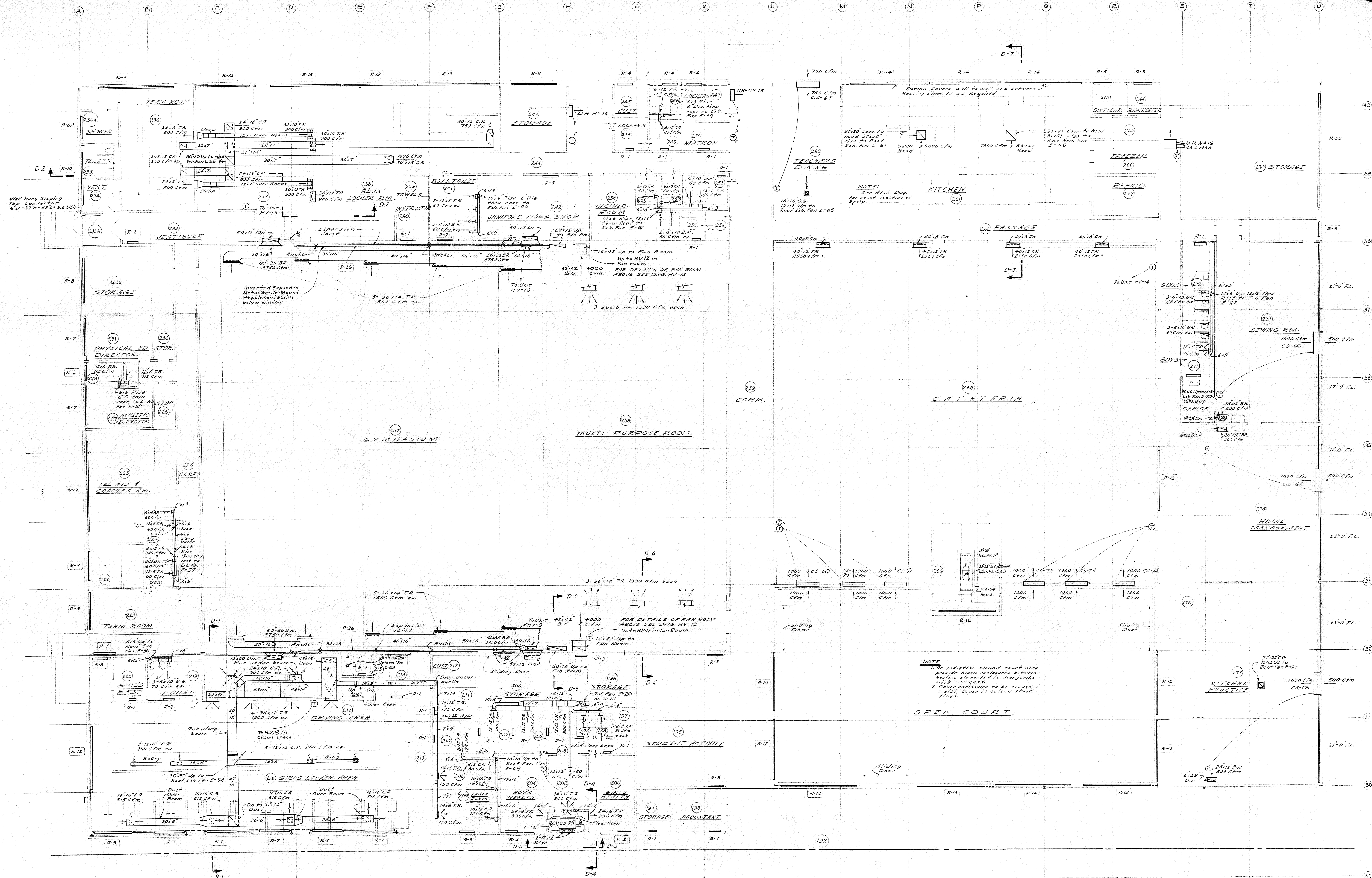
SAMUEL GLASER ASSOCIATES  
 ARCHITECTS & ENGINEERS  
 117 NEWBURY STREET, BOSTON, MASSACHUSETTS

J. M. MCCUSKER ASSOCIATES  
 CONSULTING ENGINEERS  
 BOSTON, MASSACHUSETTS

DATE: 2/1/55  
 DRAWN BY: W.H.D.  
 CHECKED BY: W.H.D.







**FLOOR PLAN "D"**

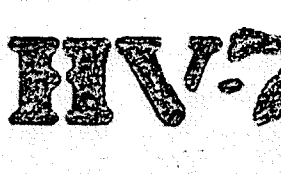
FRAMINGHAM HIGH SCHOOL  
 ELISE DRIVE  
 FRAMINGHAM MASSACHUSETTS

SAMUEL GLASSER ASSOCIATES  
 CONSULTING ENGINEERS  
 BOSTON, MASS.

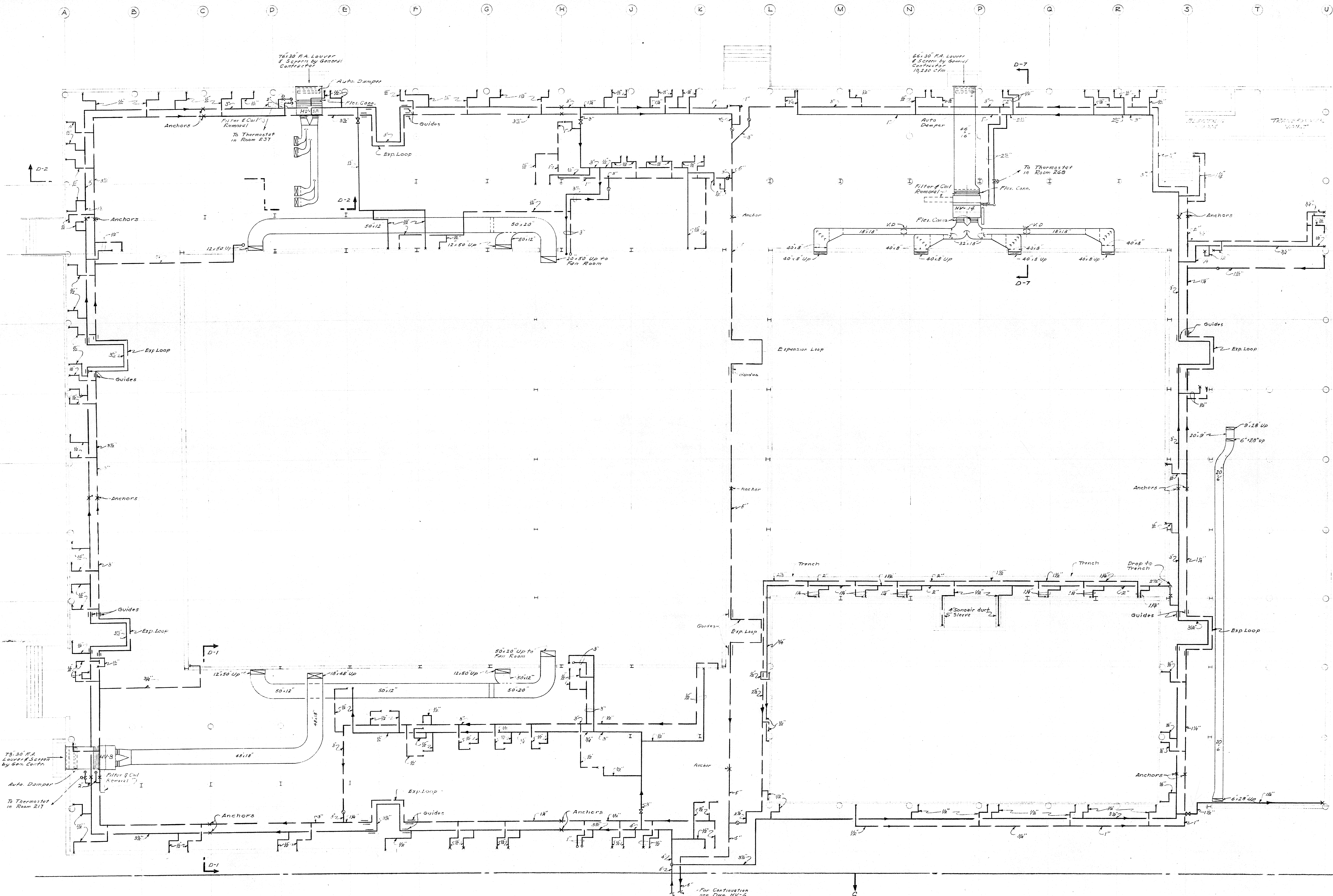
J.M. McCUSKER ASSOCIATES  
 CONSULTING ENGINEERS  
 BOSTON, MASS.

DATE: MAY 25, 1966  
 DRAWN BY: W.D.  
 CHECKED BY: W.H.D.

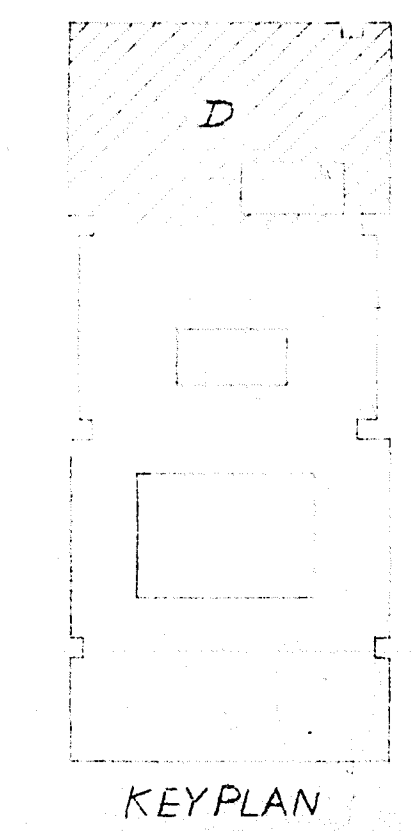
5608







For Continuation see Dwg. NV-6



**PLAN "D" CRAWL SPACE**

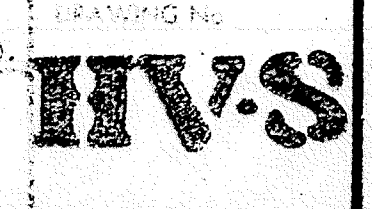
FRAMMUSHAM HIGH SCHOOL  
 FLAGG DRIVE  
 FRAMMUSHAM, MASSACHUSETTS

ENGINEERS  
 ARCHITECTS

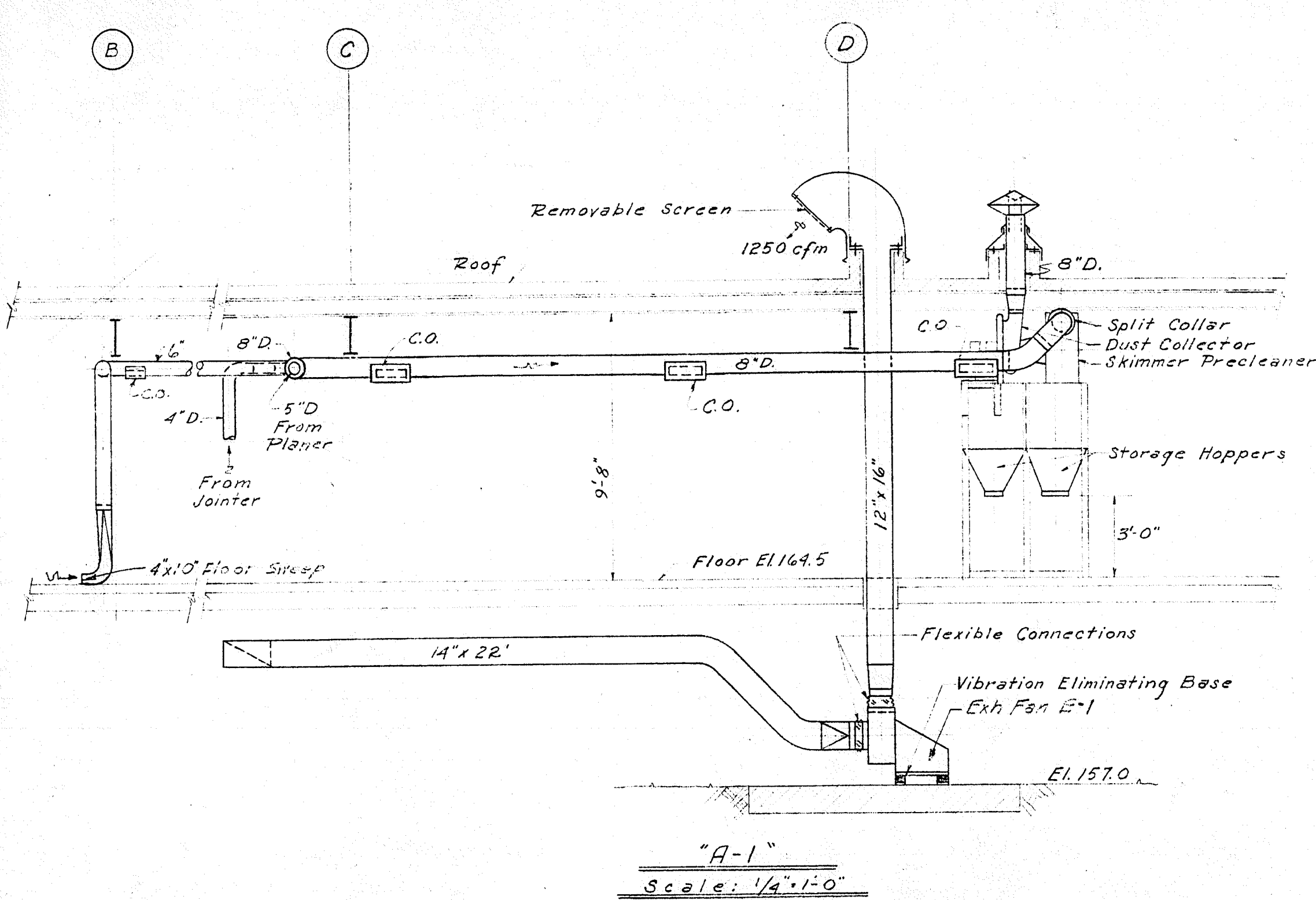
J.M. McCUSKER ASSOCIATES  
 CONSULTING ENGINEERS, BOSTON, MASS.

DRAWN BY W.A.E. DATE MAY 25 1966  
 CHECKED BY W.H.D. APPROVED BY J.A.M.

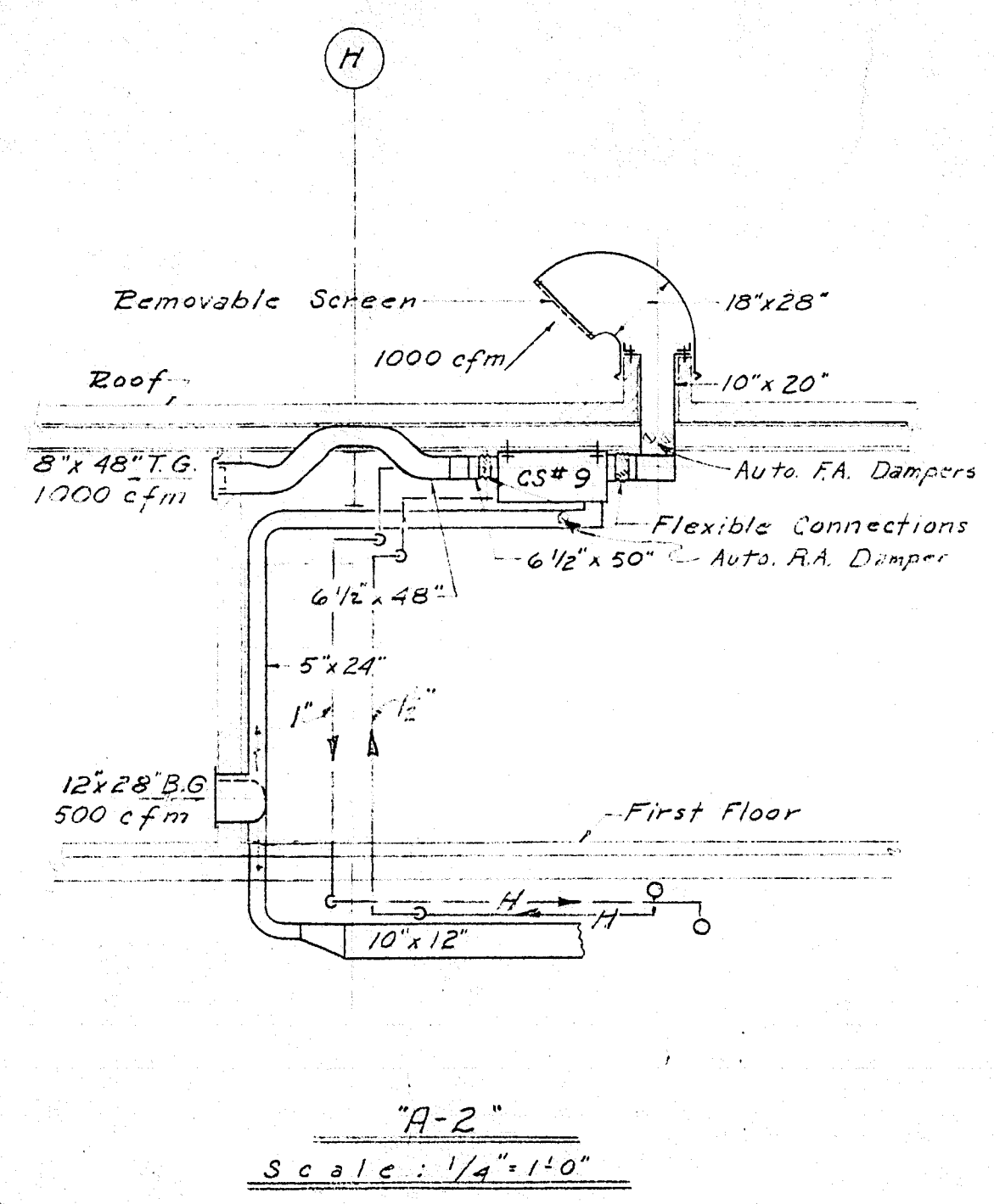
5608



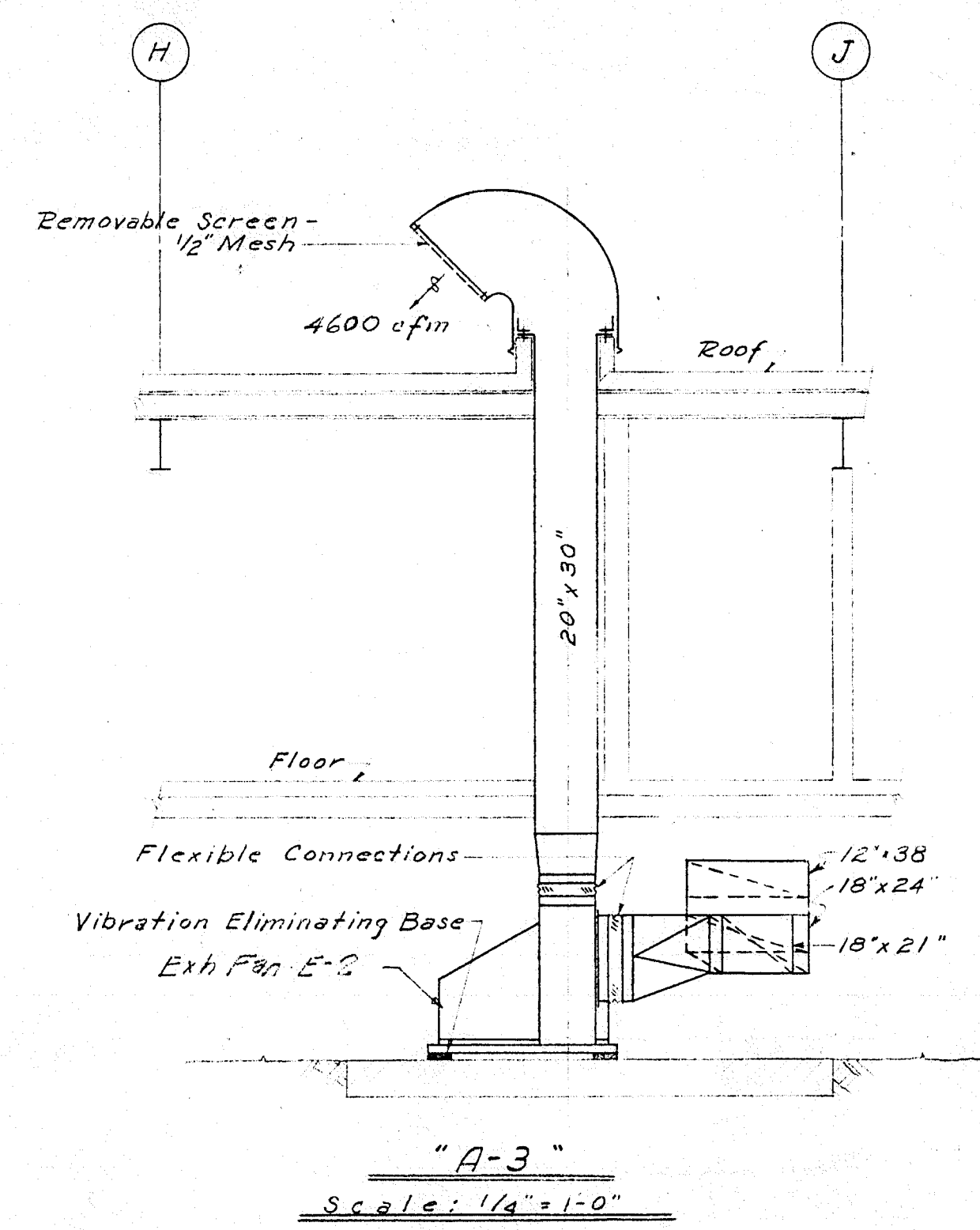




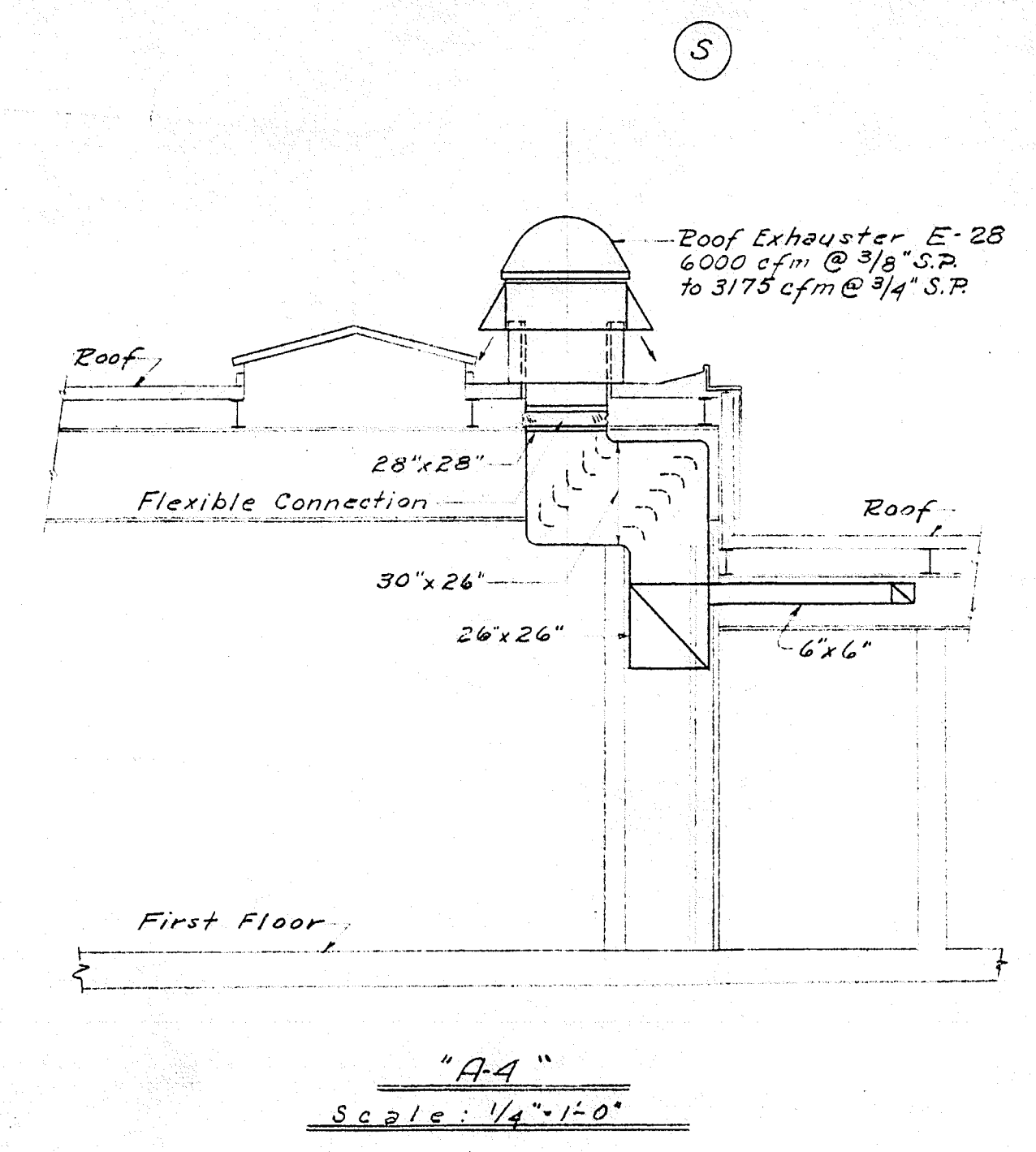
"A-1"  
Scale: 1/4" = 1'-0"



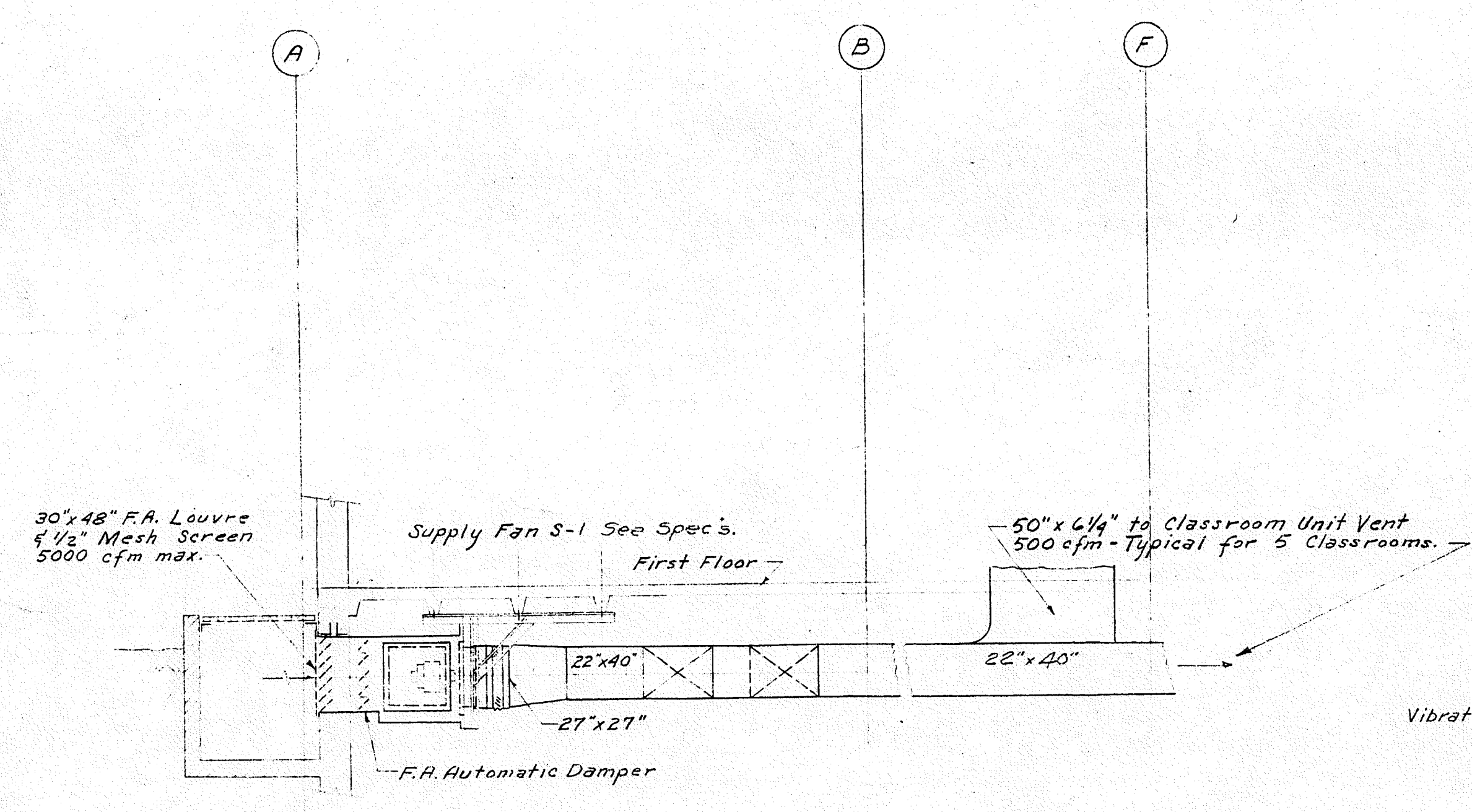
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Scale: 1/4" = 1'-0"



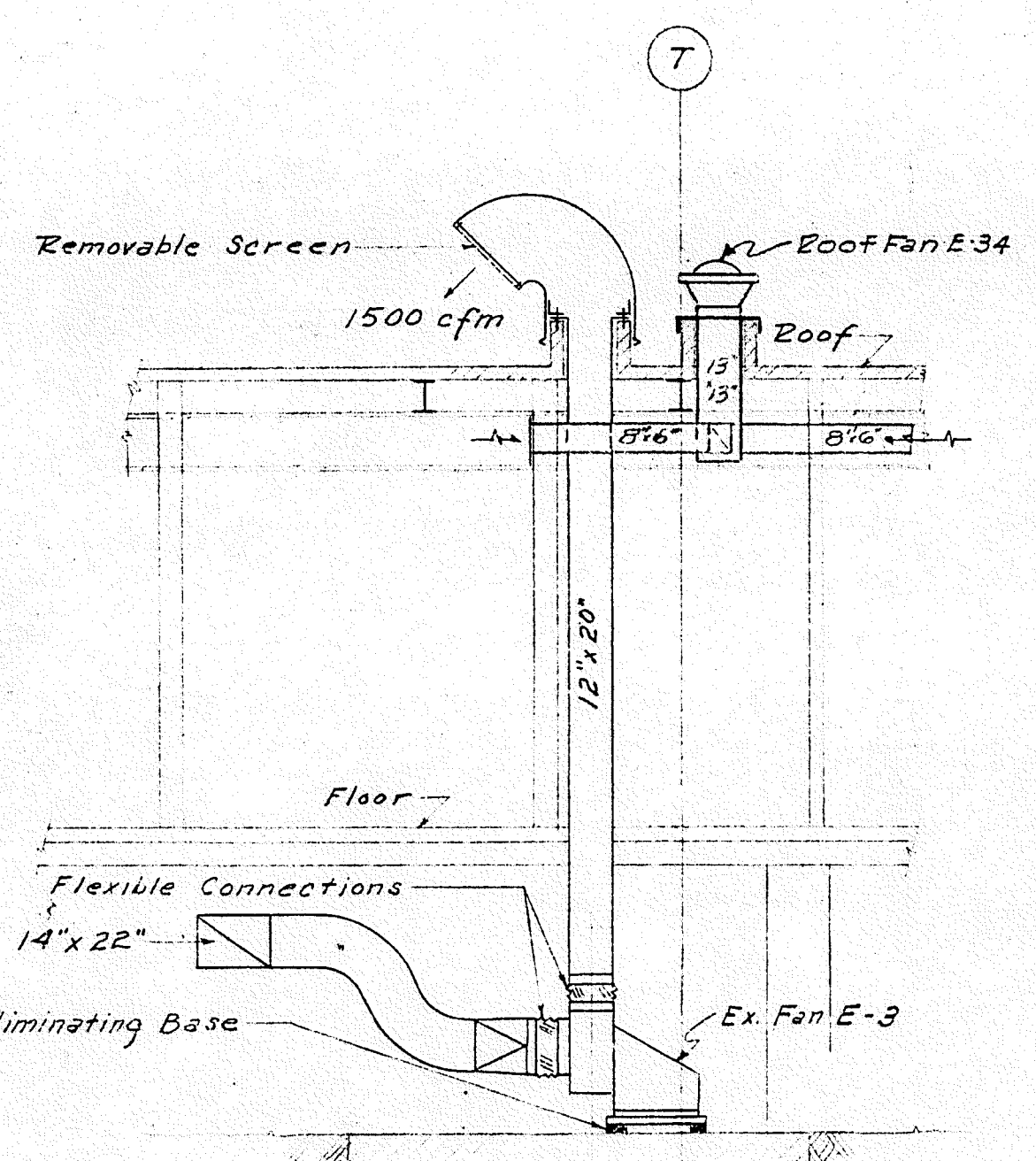
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Scale: 1/4" = 1'-0"



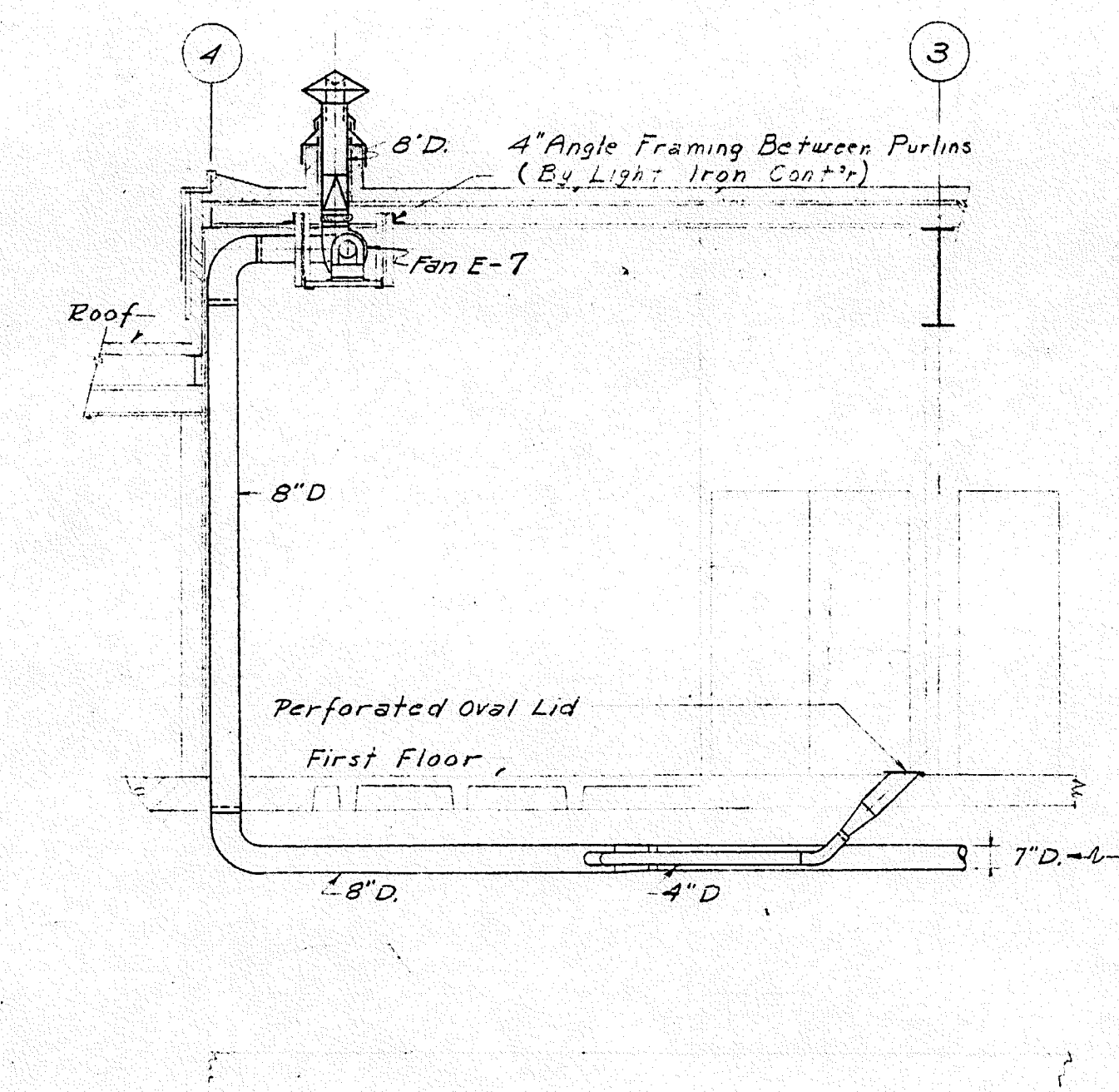
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Scale: 1/4" = 1'-0"



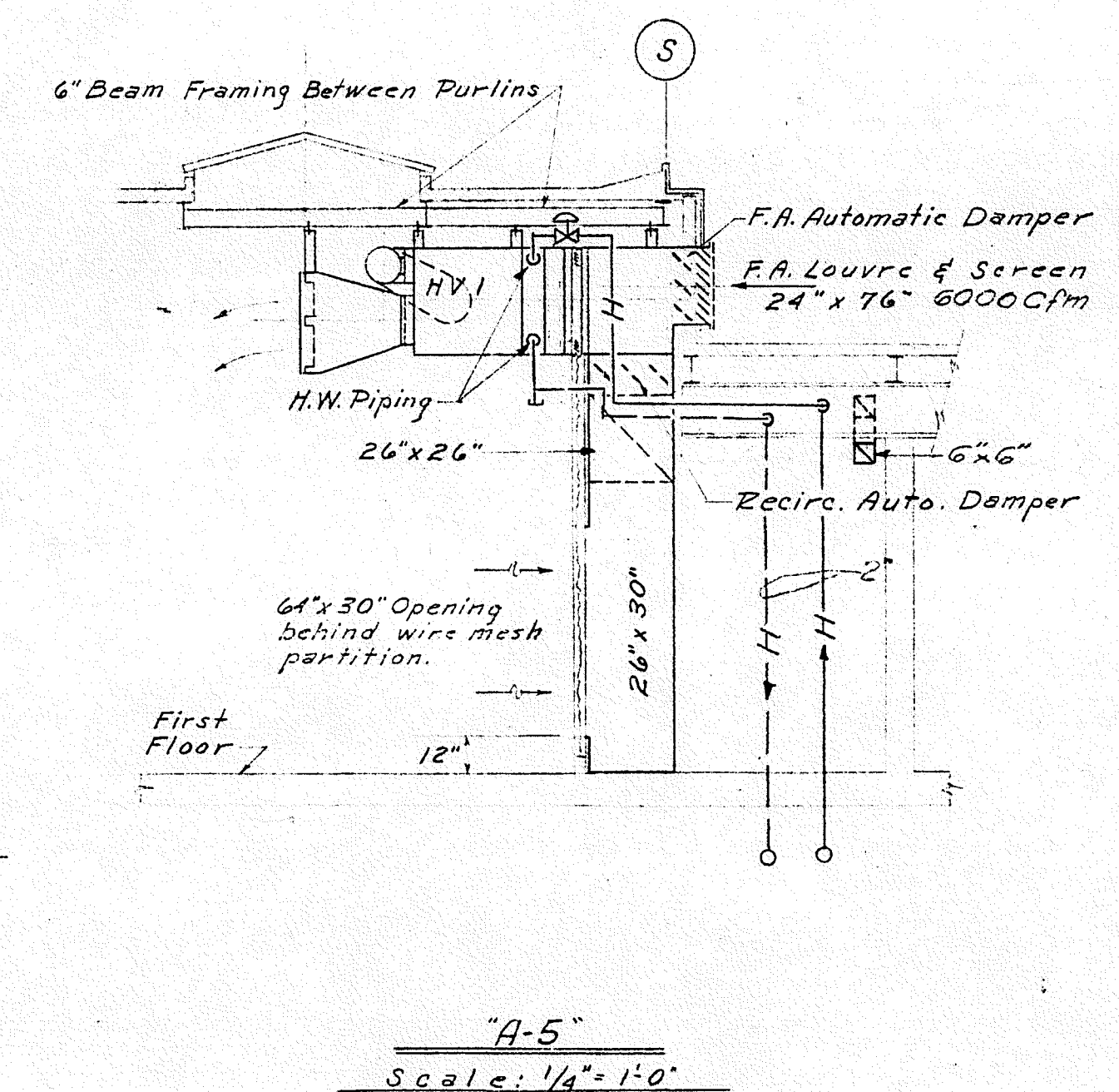
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Scale: 1/4" = 1'-0"



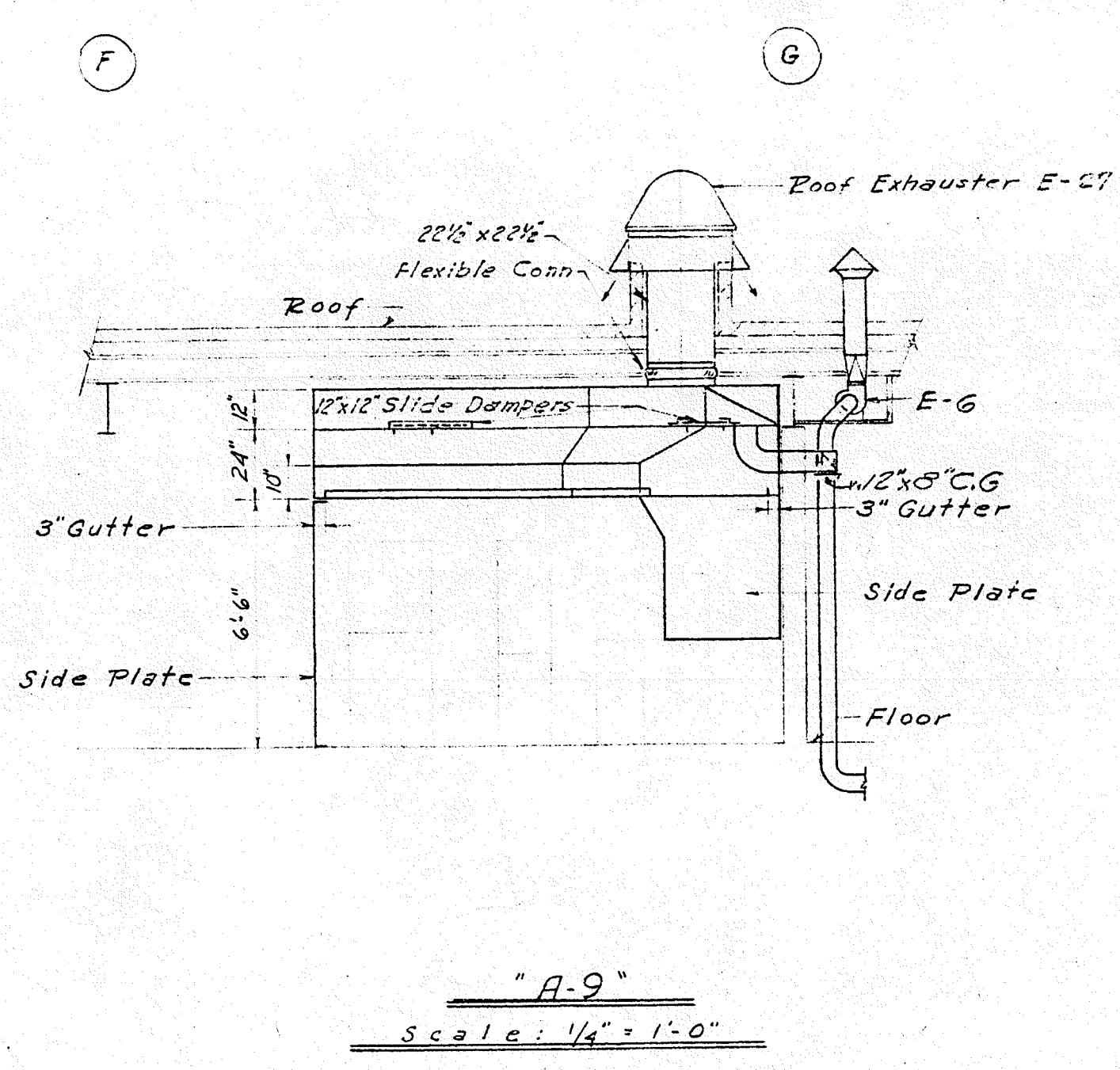
"A-6"  
Scale: 1/4" = 1'-0"



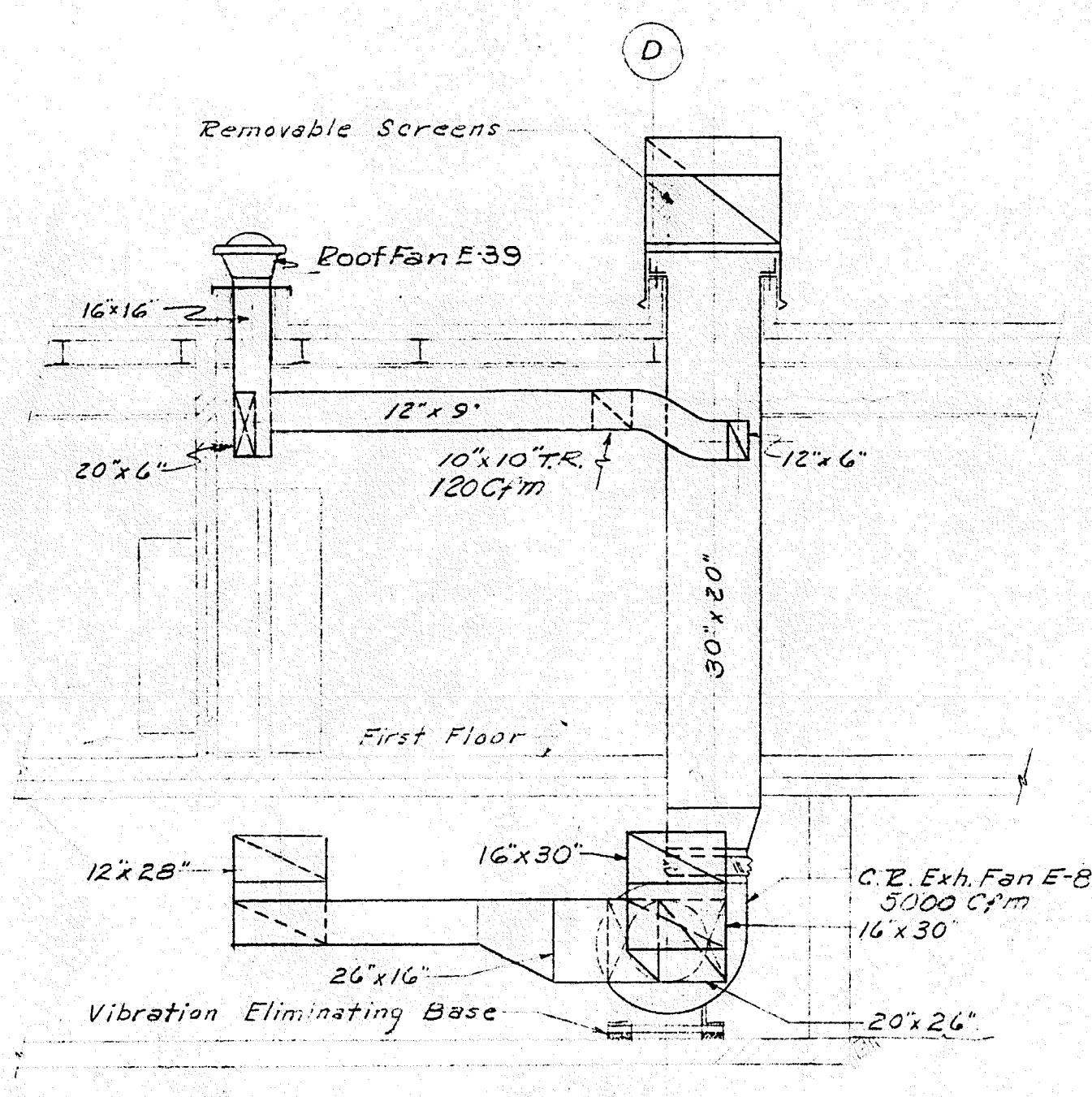
"A-7"  
Scale: 1/4" = 1'-0"



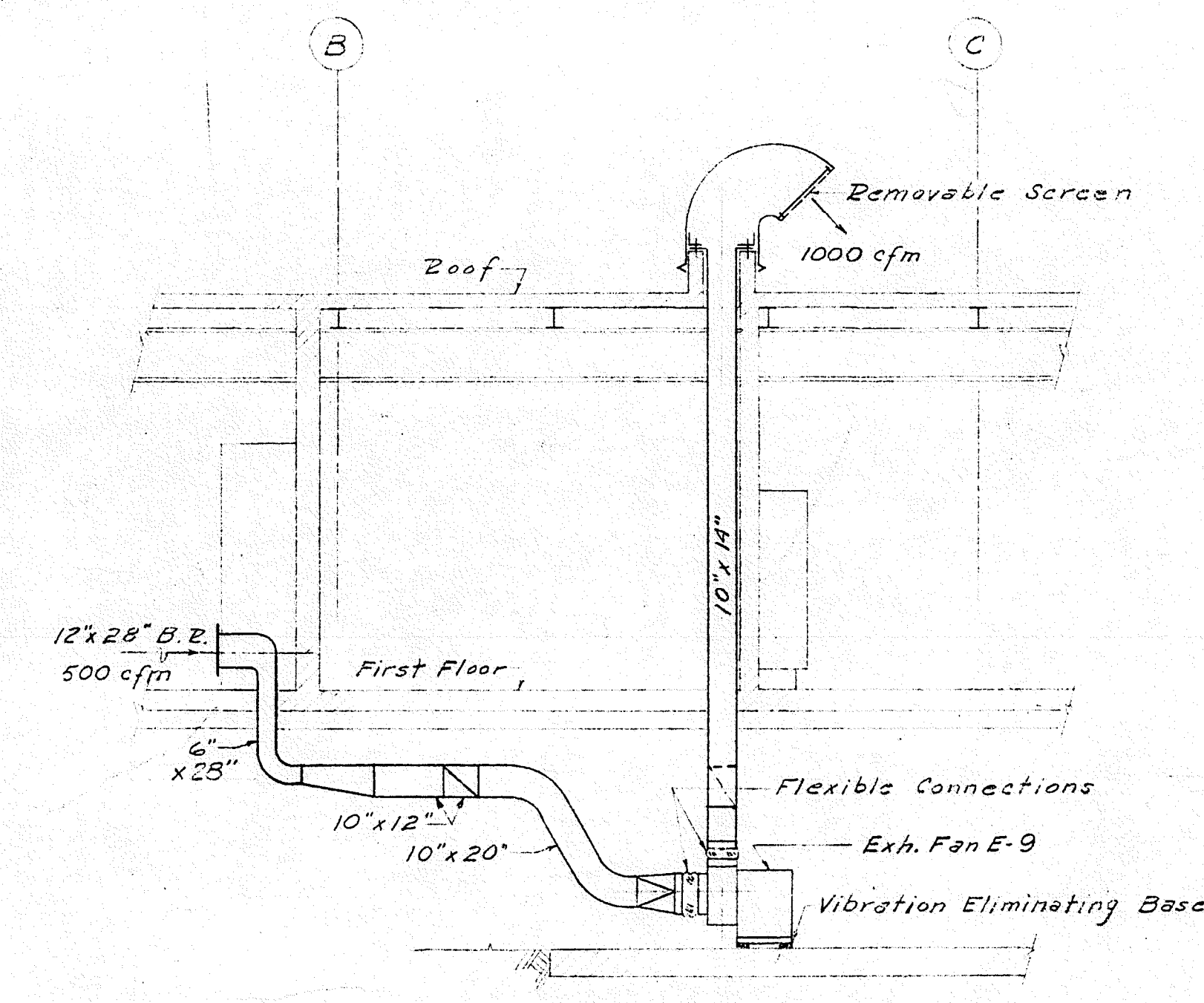
"A-8"  
Scale: 1/4" = 1'-0"



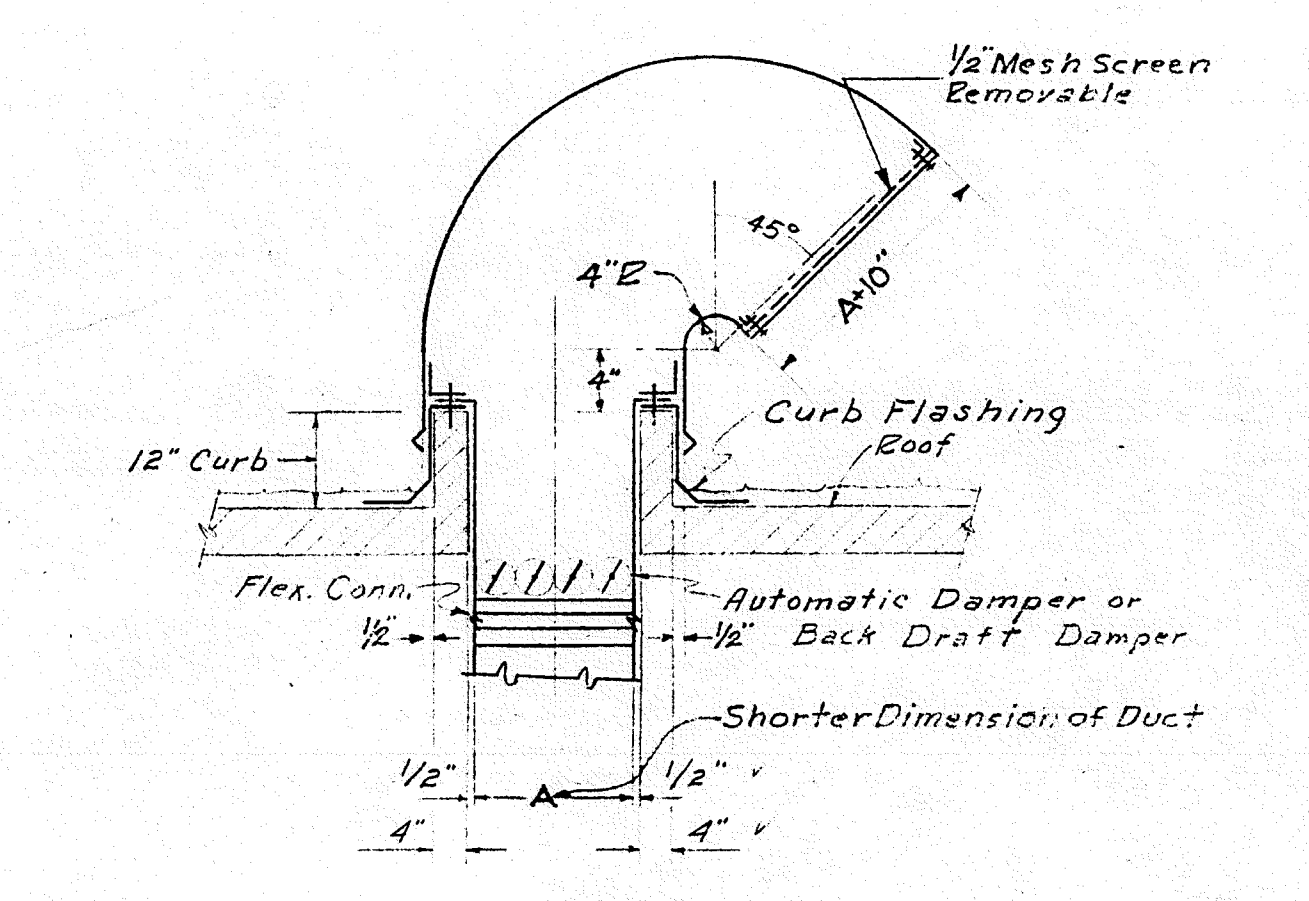
"A-9"  
Scale: 1/4" = 1'-0"



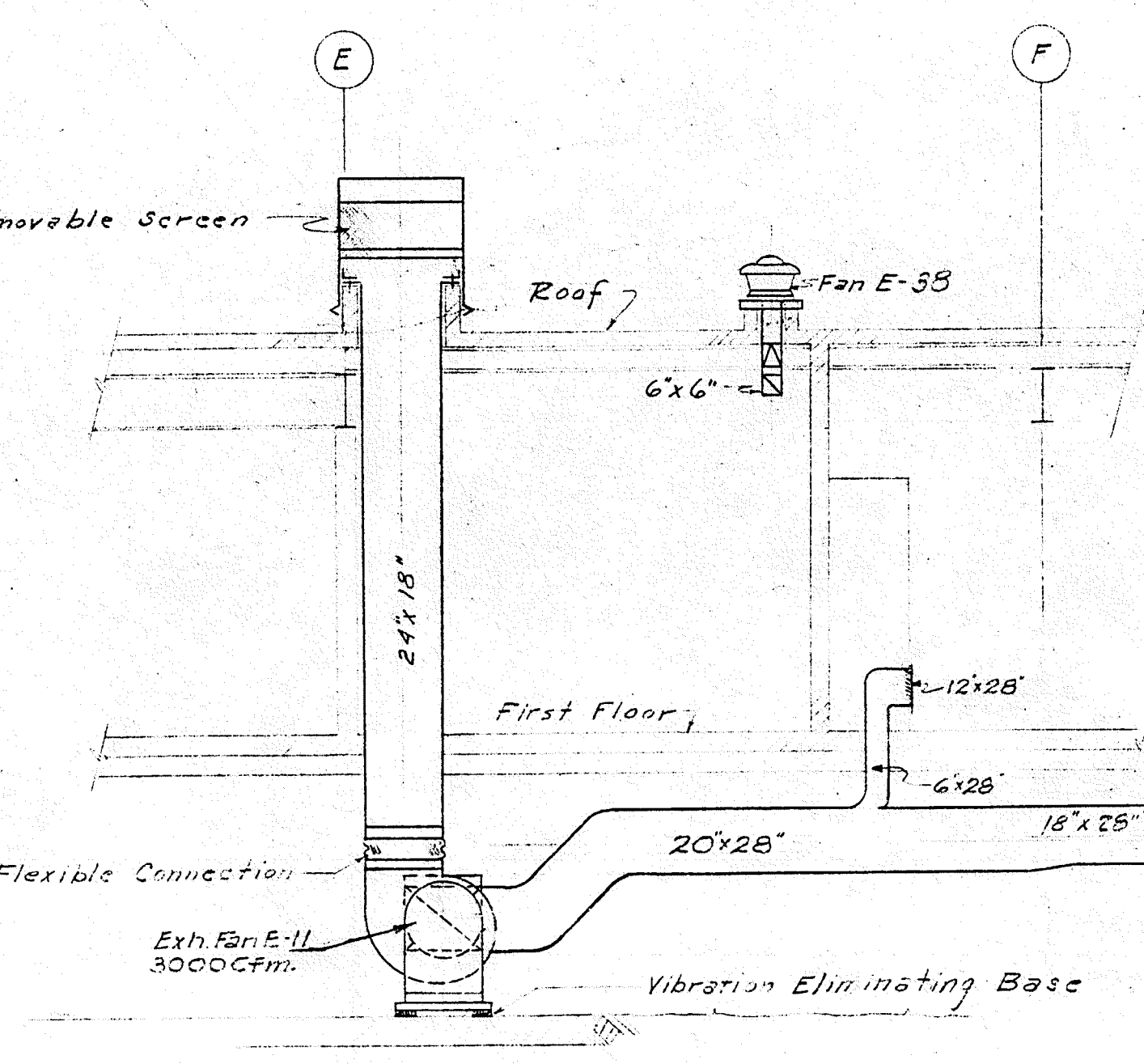
"B-1"  
Scale: 1/4" = 1'-0"



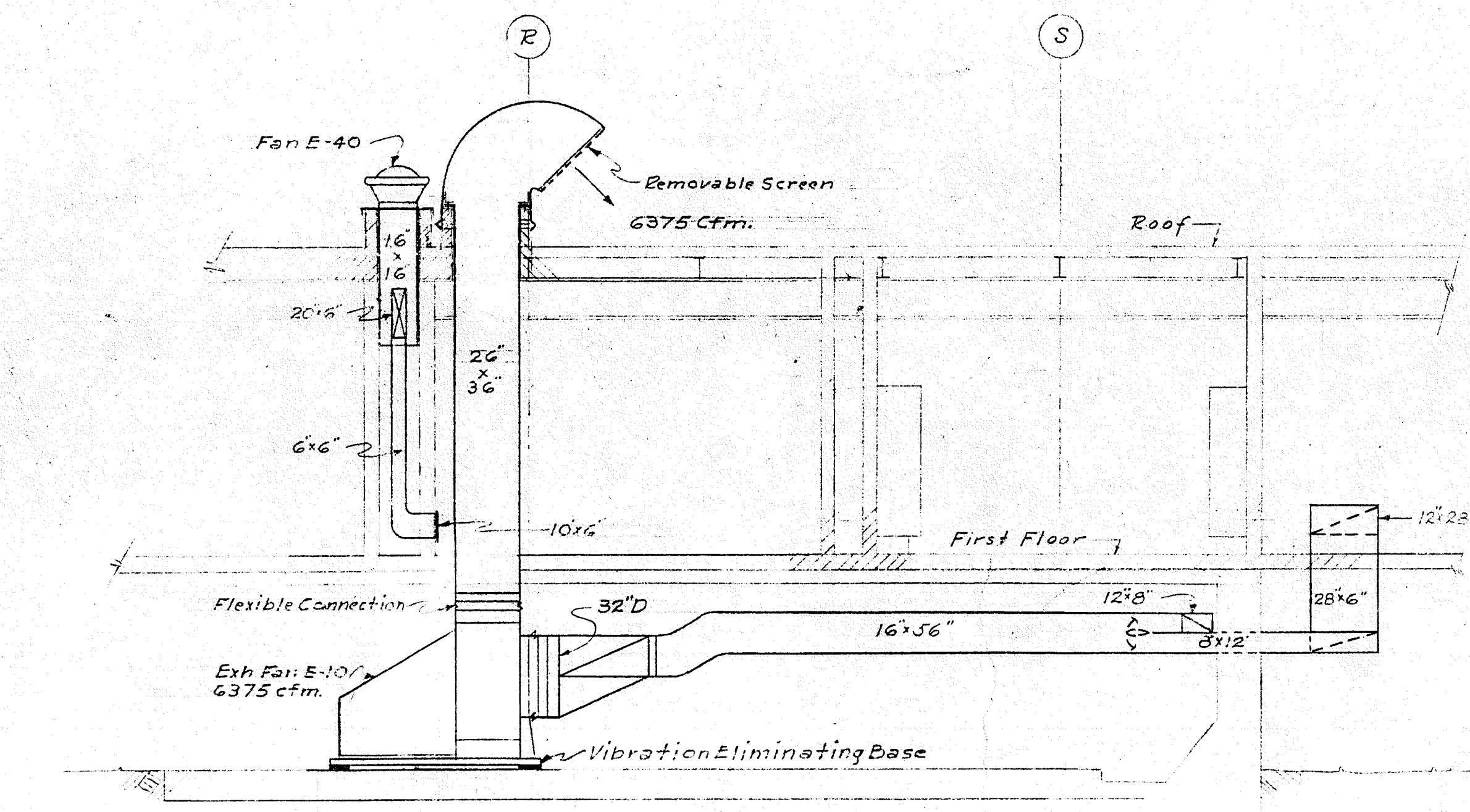
"B-2"  
Scale: 1/4" = 1'-0"



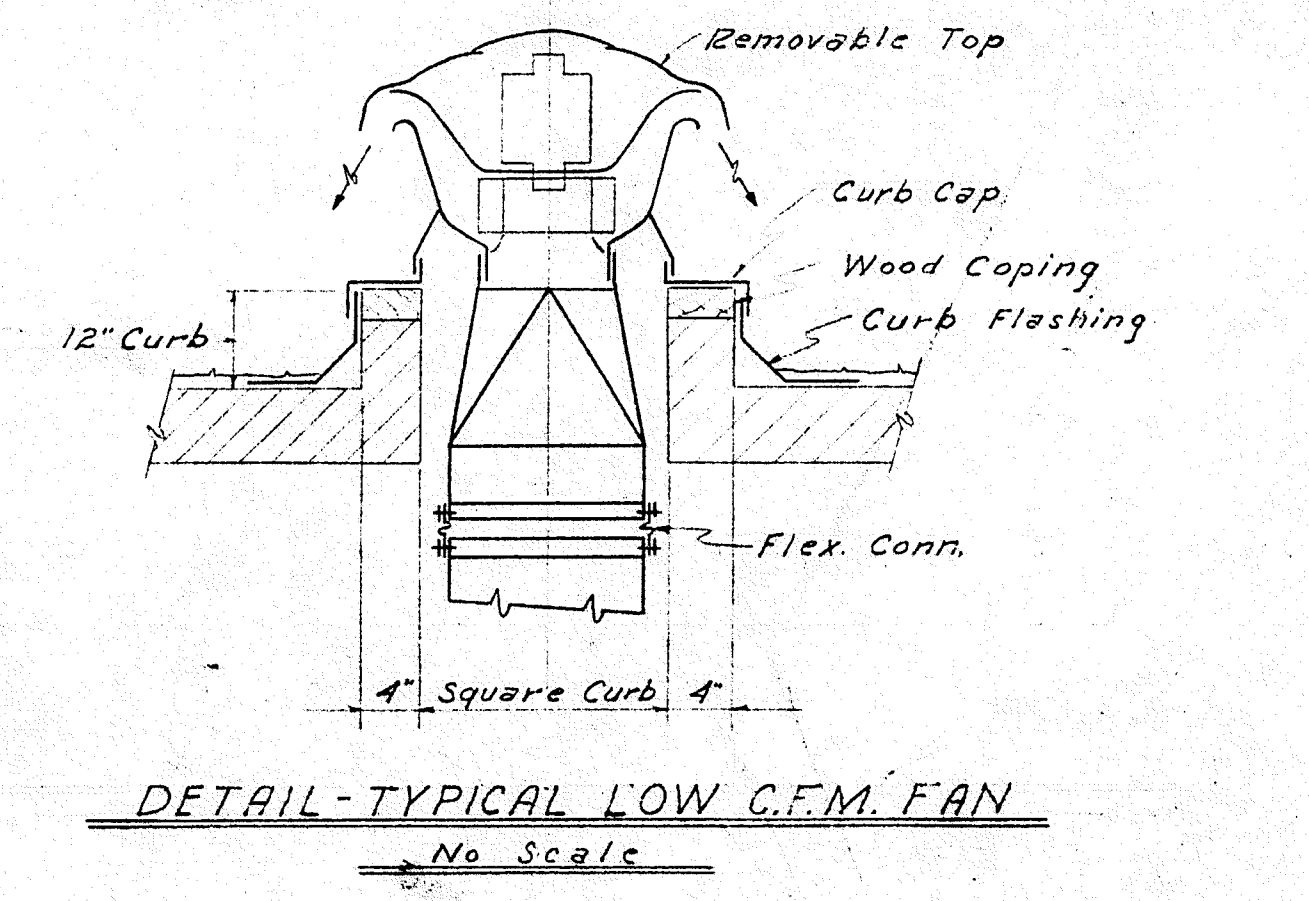
DETAIL-TYPICAL SUPPLY OR EXHAUST HOOD  
No Scale



"B-3"  
Scale: 1/4" = 1'-0"



"B-4"  
Scale: 1/4" = 1'-0"



DETAIL-TYPICAL LOW C.F.M. FAN  
No Scale

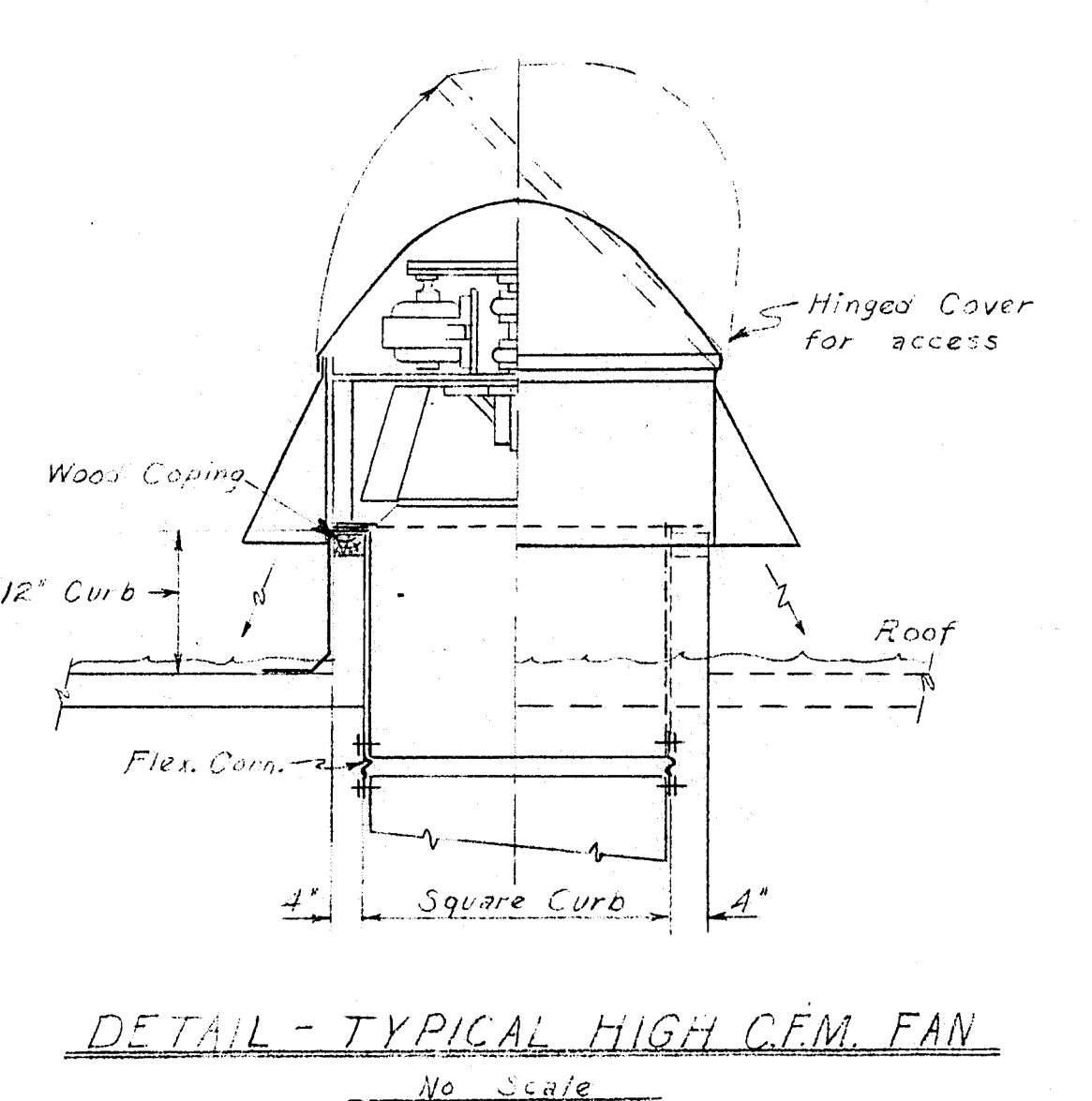
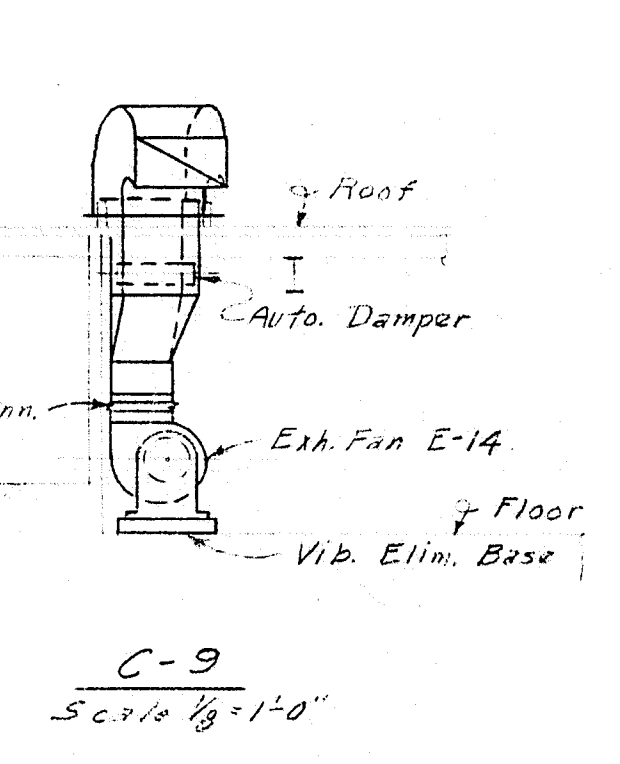
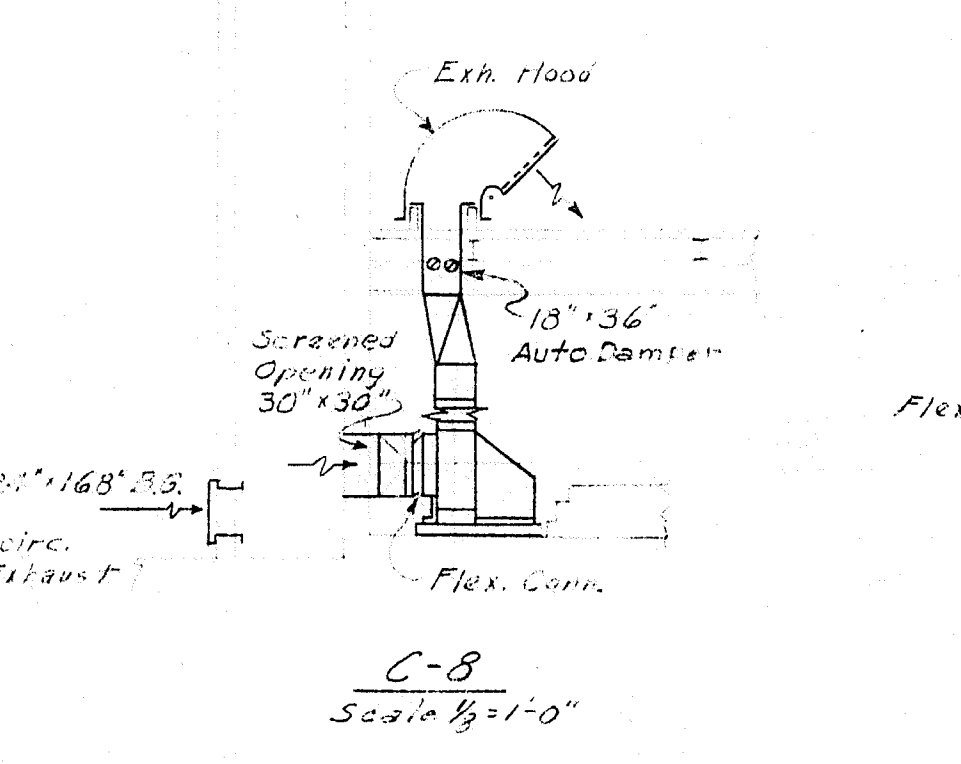
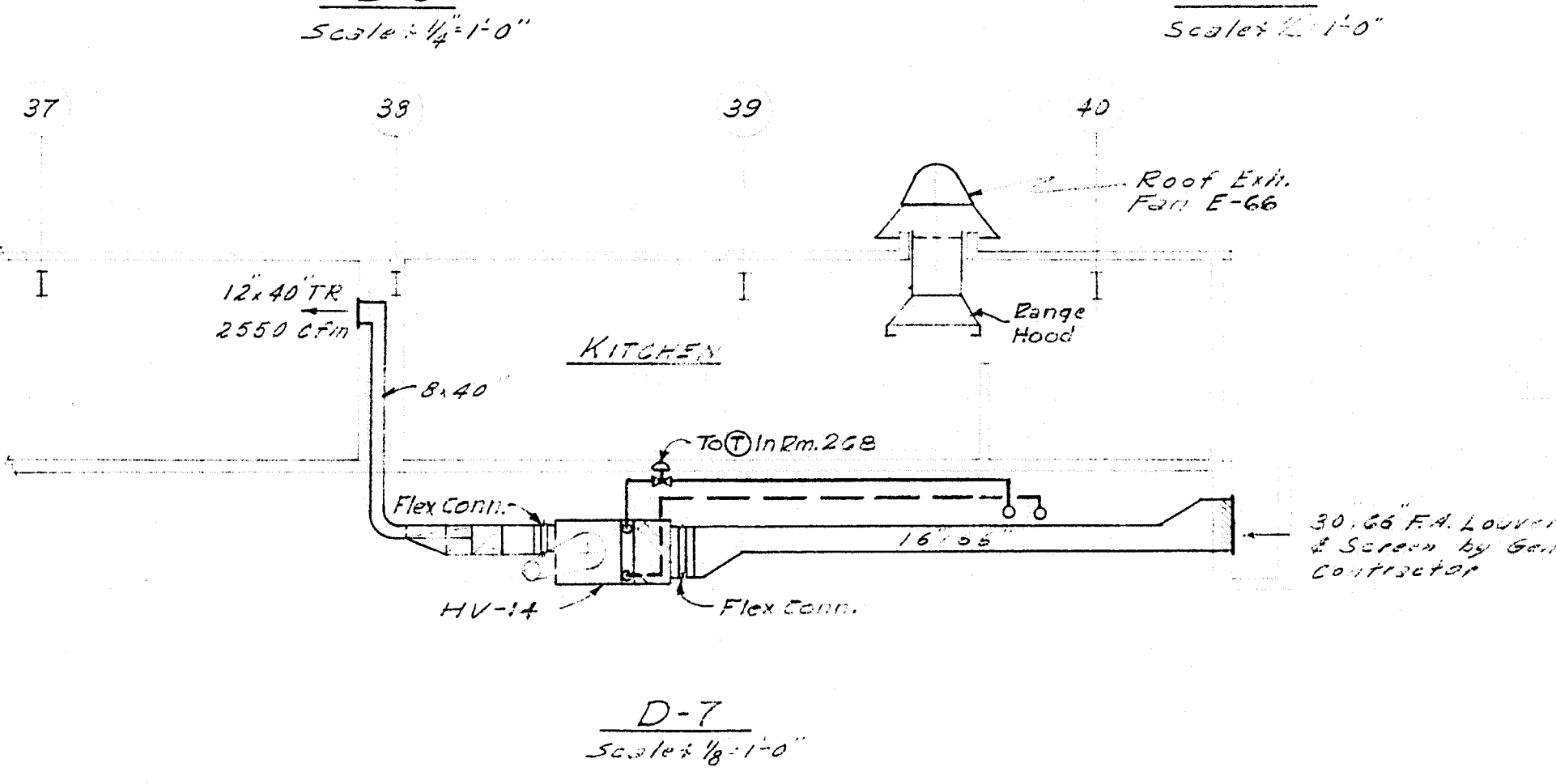
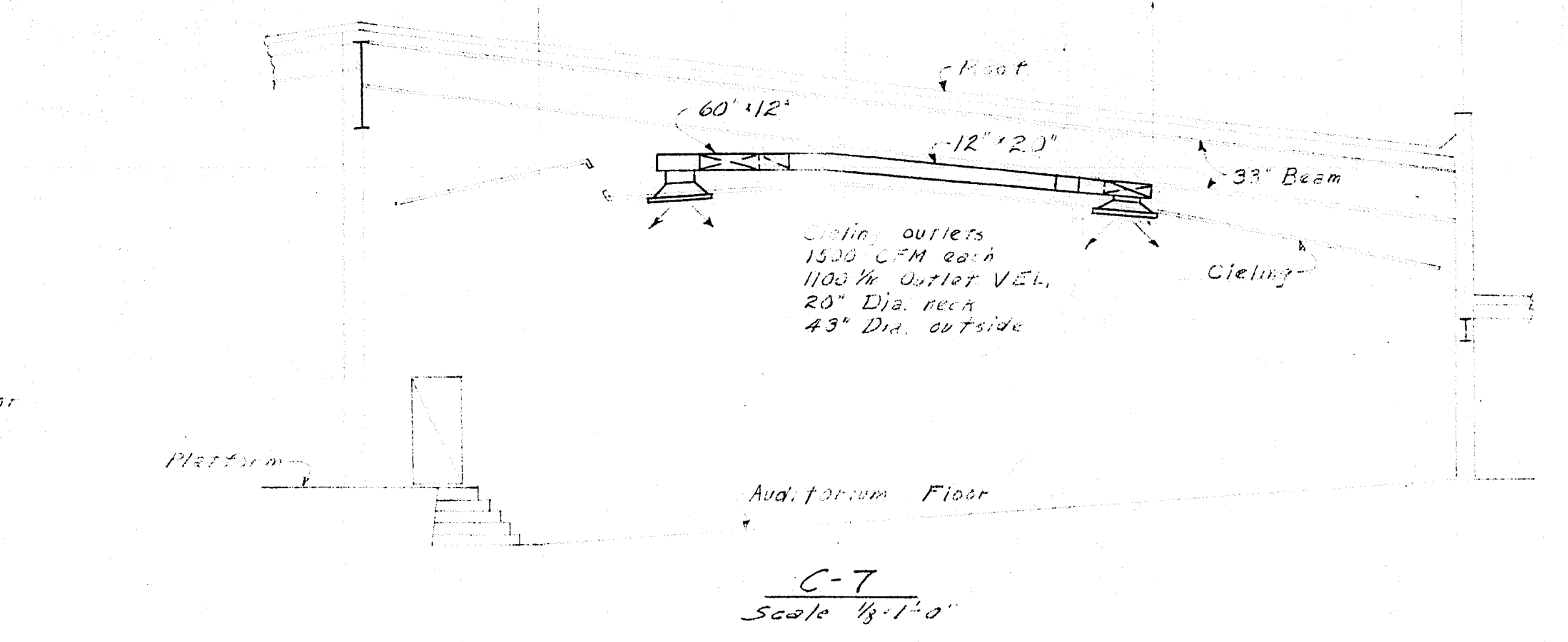
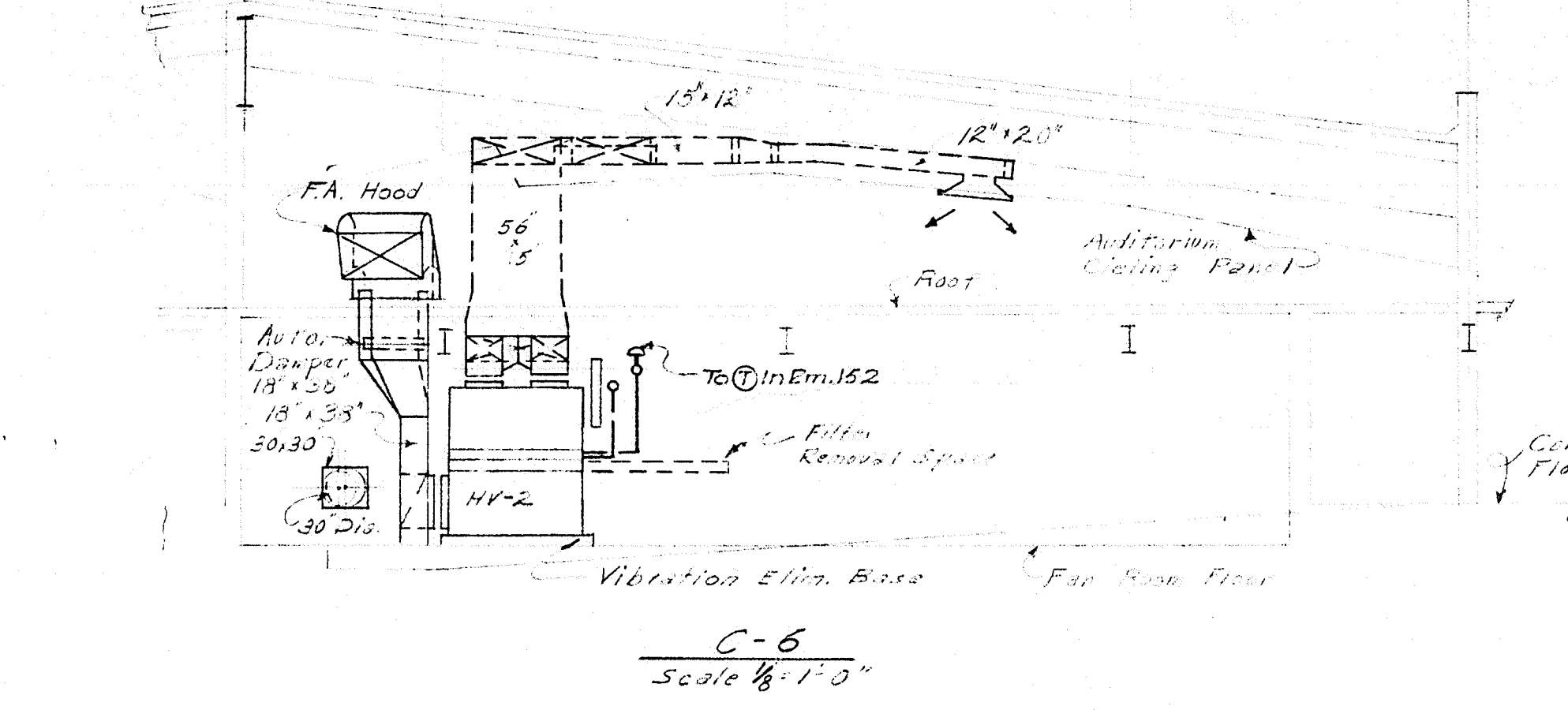
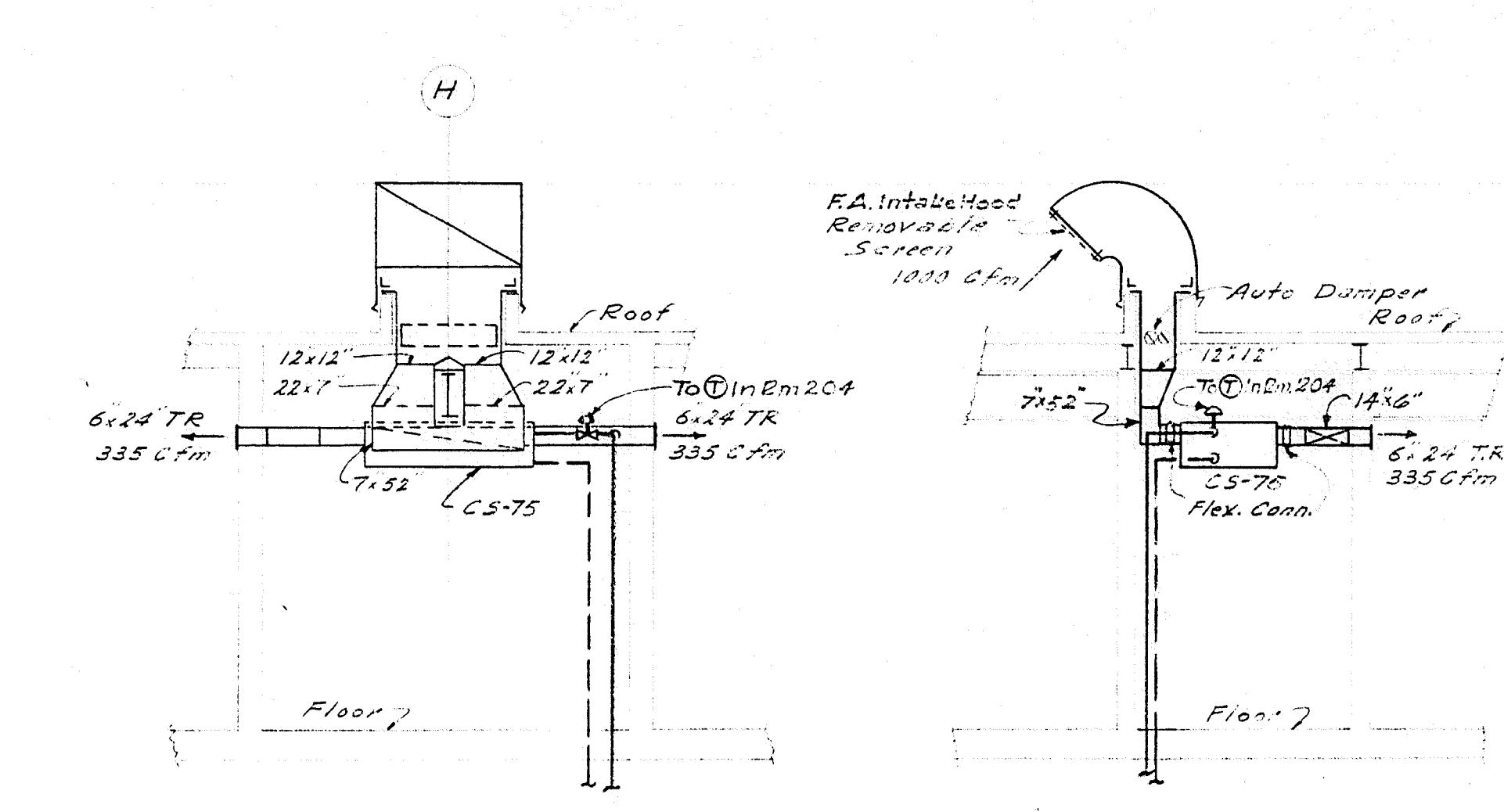
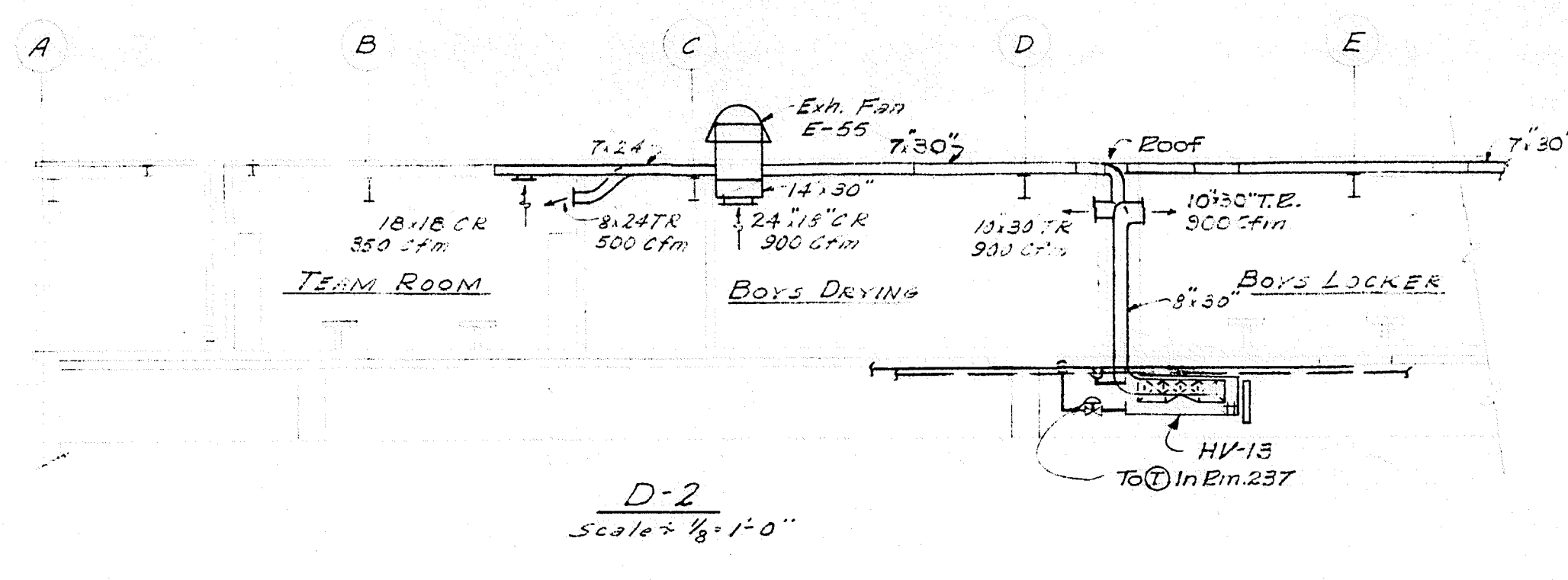
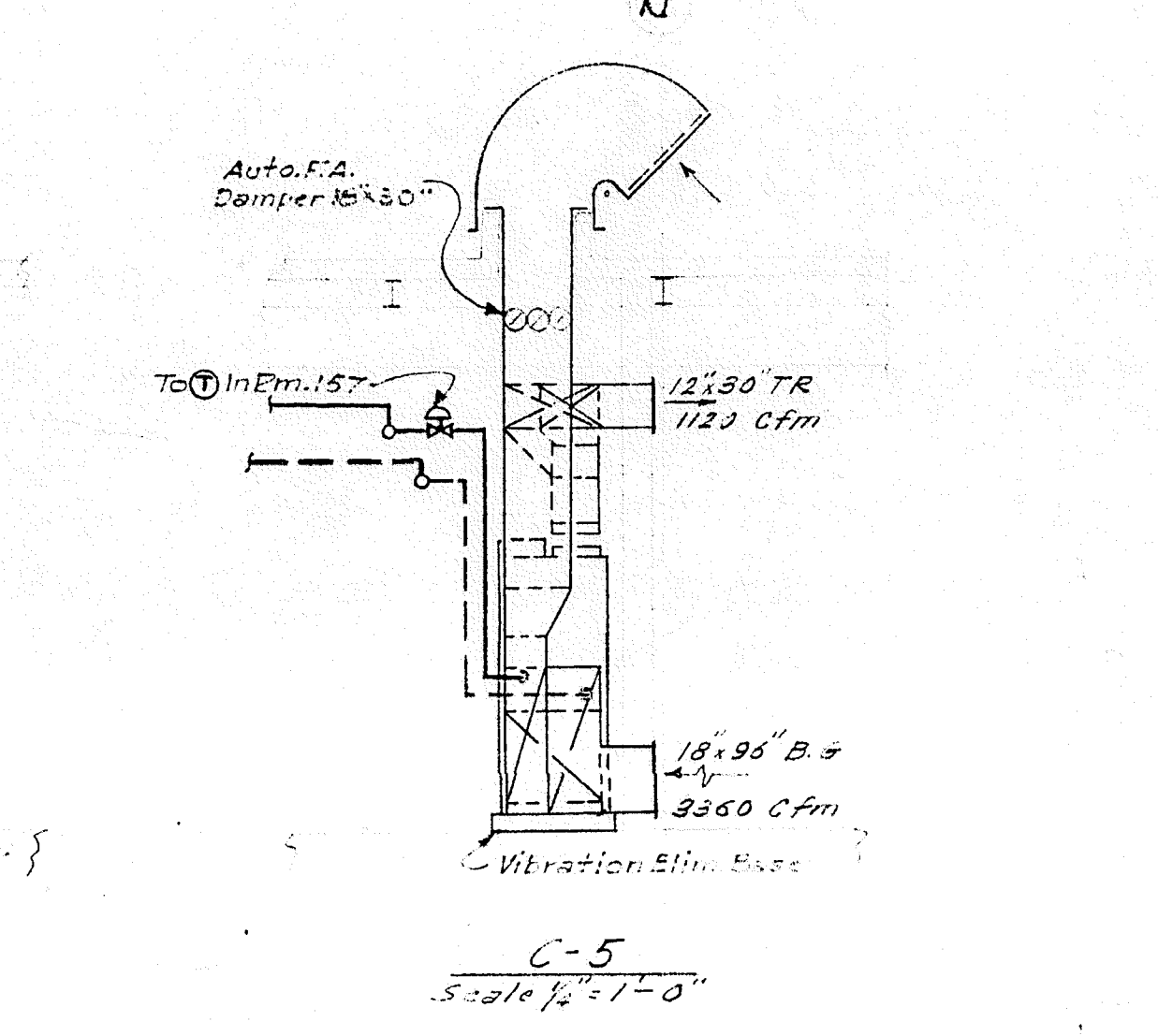
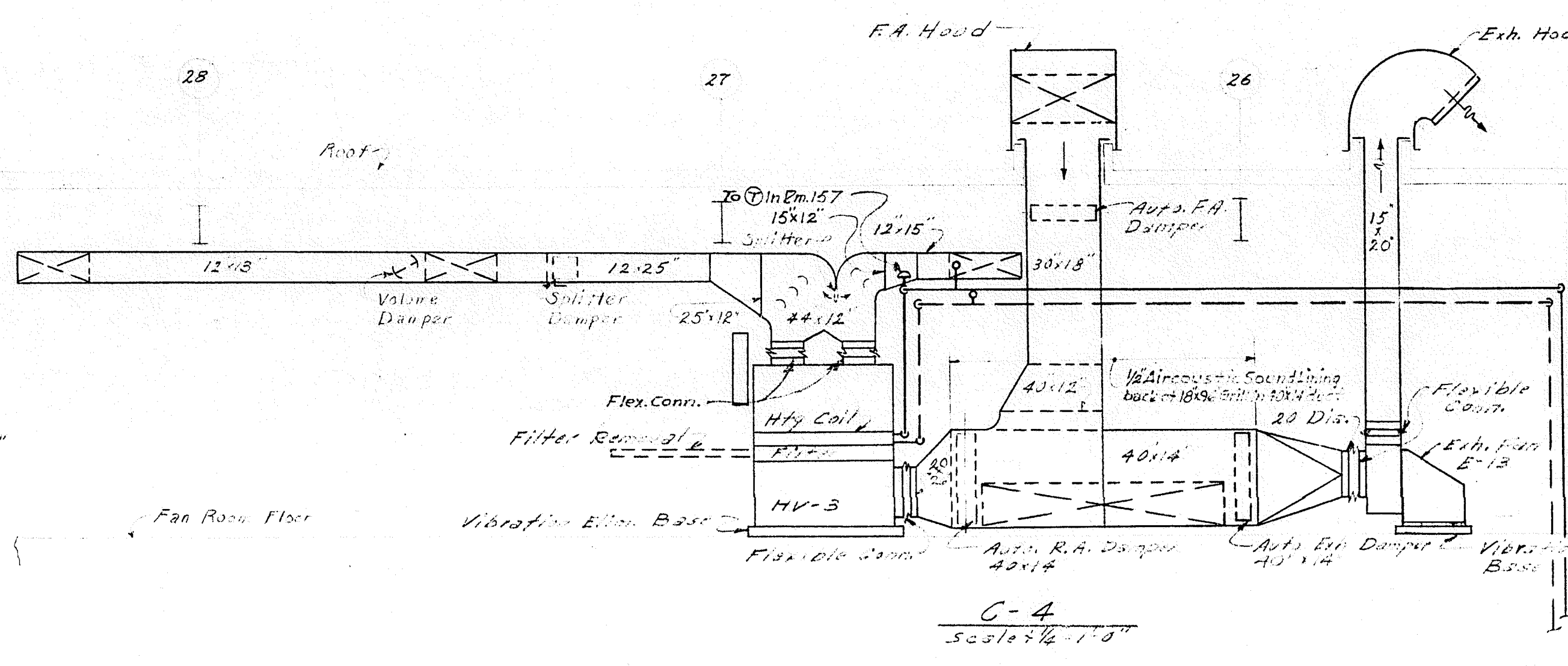
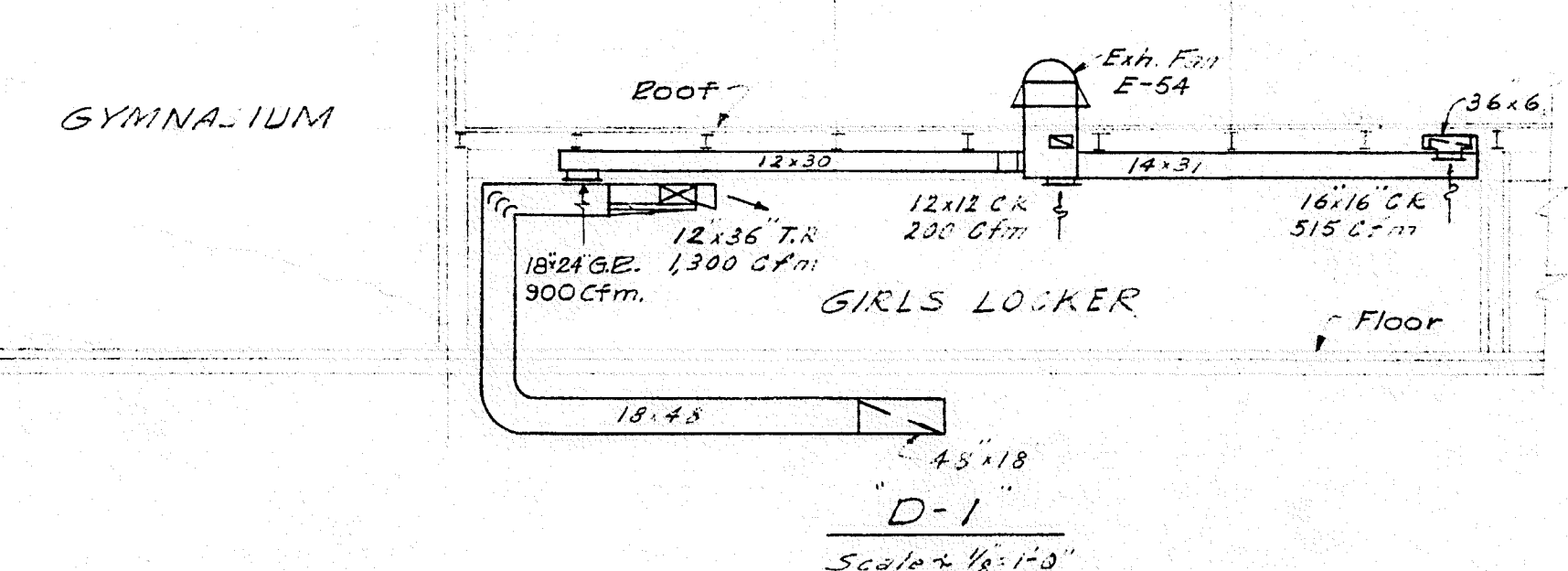
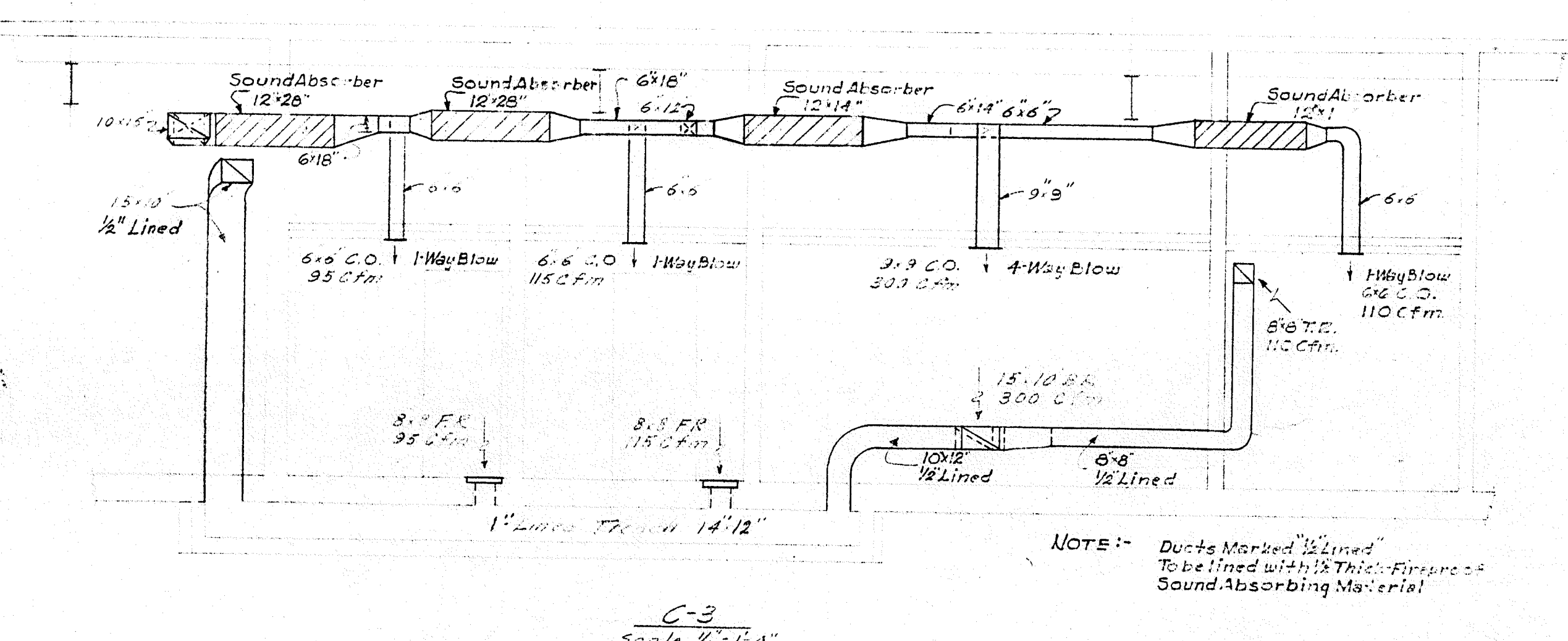
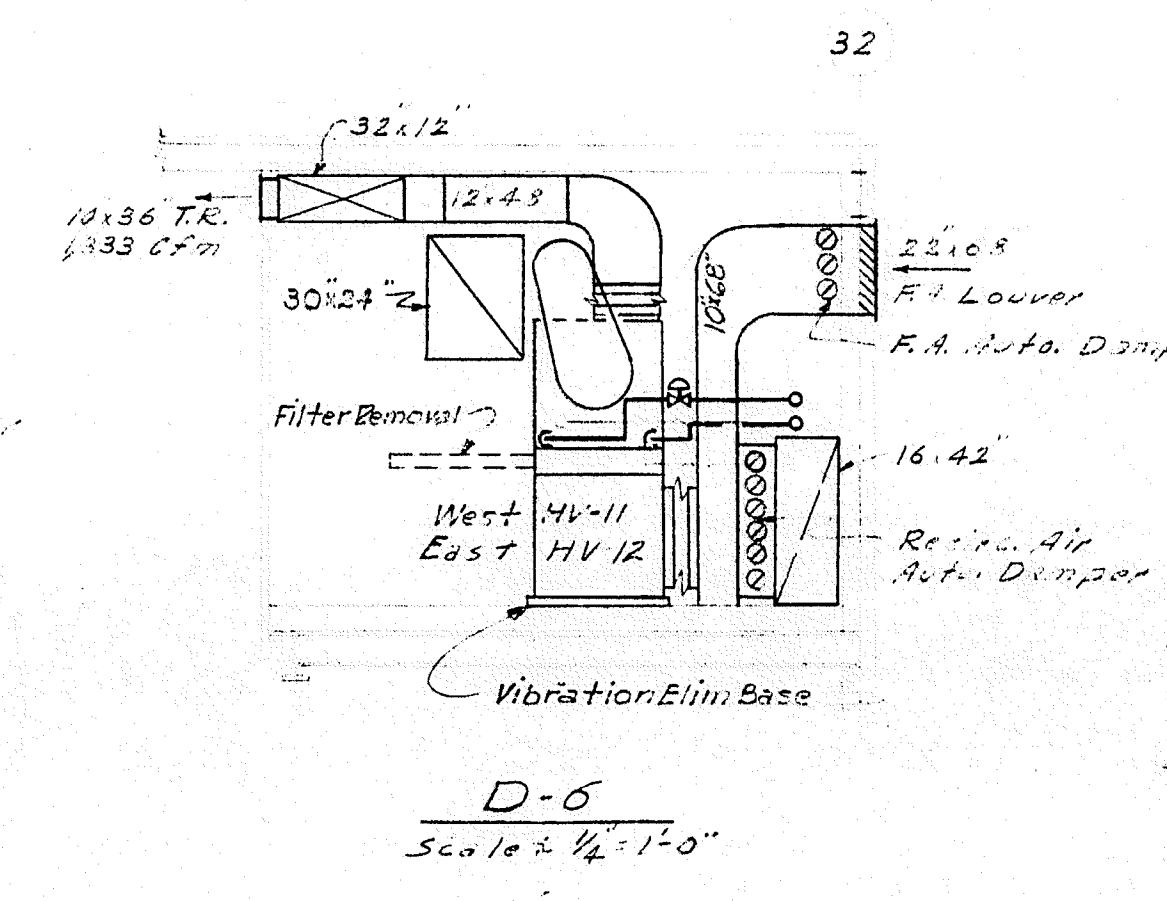
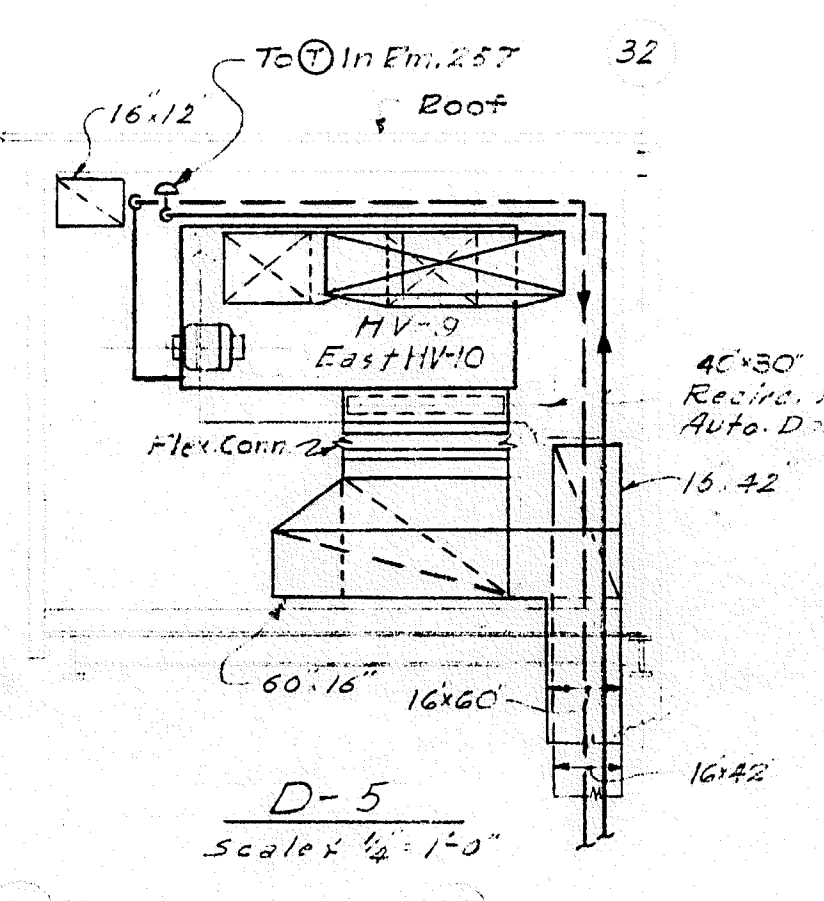
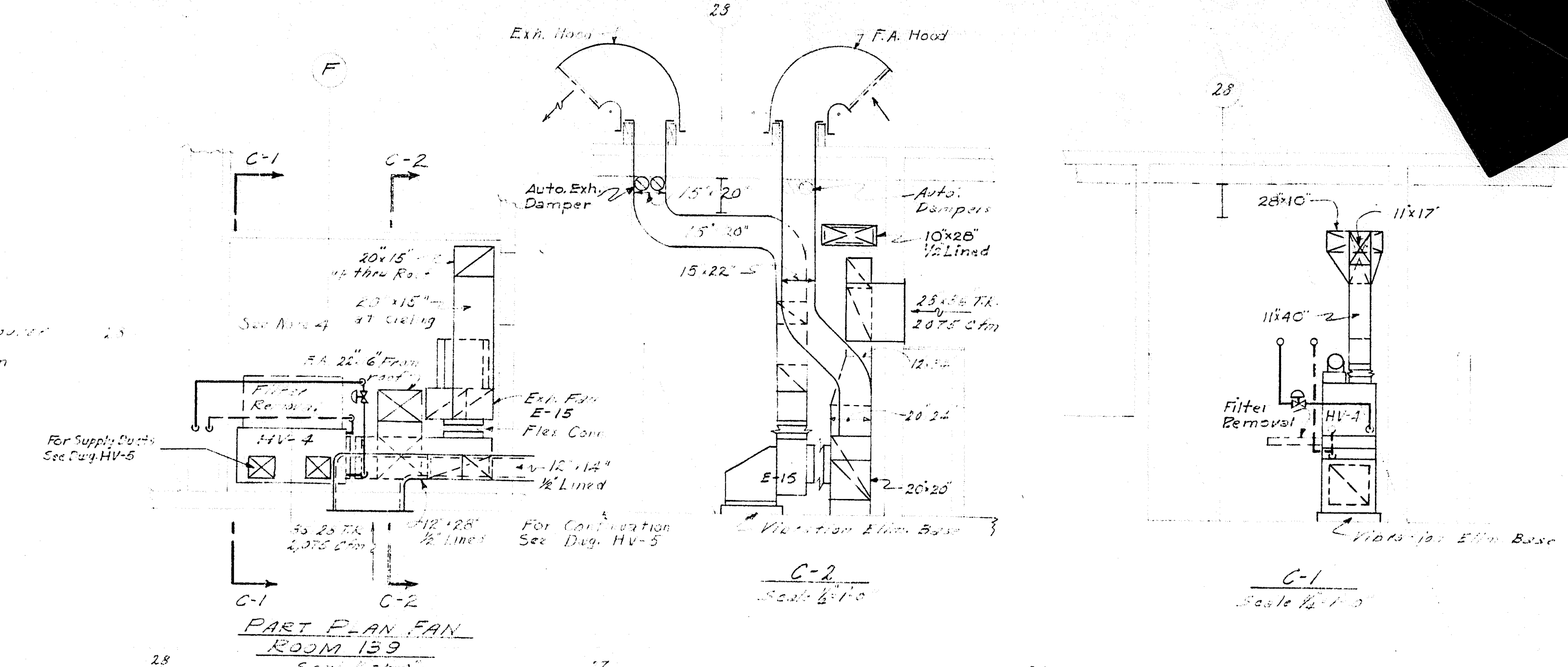
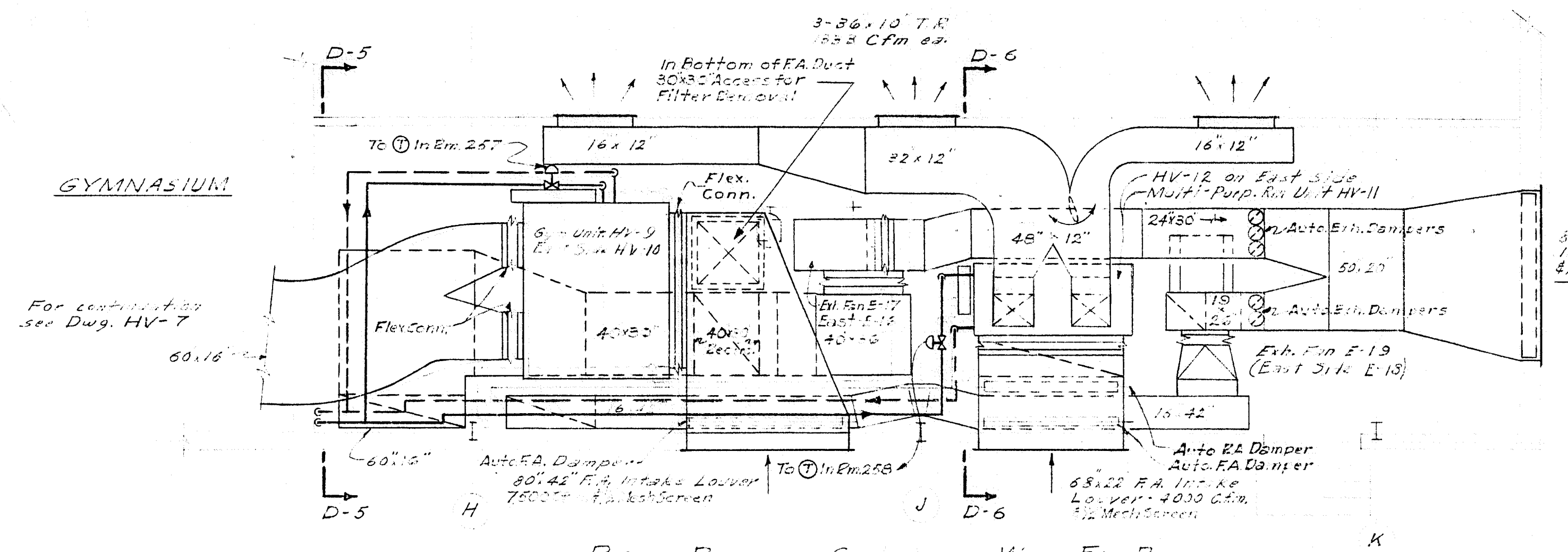
NOTES:  
1. For General Notes & Legend see DWG. 11-1

**DETAILS - PART A & B**

	<b>FRANKLIN HIGH SCHOOL</b> FLAG DRIVE FRANKLIN, MASSACHUSETTS	
	<b>SAMUEL CLARKE ASSOCIATES</b> ARCHITECTS - ENGINEERS	
<b>J.M. McQUISLER ASSOCIATES</b> CONSULTING ENGINEERS - BOSTON, MASS.		
DRAWN BY: TAU	DATE: May 25, 1956	<b>HY-10</b> 5608
CHECKED BY: WHD	APPROVED BY: JAM	



MULTI-PURPOSE ROOM



- NOTES
1. For General Notes please see Drawing HV-1.
  2. For Details of the Fan Supply or Exhaust Hood see Drawing HV-10.
  3. For Floor Plans of Sections see Drawings HV-5, HV-6, HV-7, HV-8, HV-9, HV-10, HV-11, HV-12, HV-13, HV-14, HV-15, HV-16, HV-17, HV-18, HV-19, HV-20, HV-21, HV-22, HV-23, HV-24, HV-25, HV-26, HV-27, HV-28, HV-29, HV-30, HV-31, HV-32, HV-33, HV-34, HV-35, HV-36, HV-37, HV-38, HV-39, HV-40, HV-41, HV-42, HV-43, HV-44, HV-45, HV-46, HV-47, HV-48, HV-49, HV-50, HV-51, HV-52, HV-53, HV-54, HV-55, HV-56, HV-57, HV-58, HV-59, HV-60, HV-61, HV-62, HV-63, HV-64, HV-65, HV-66, HV-67, HV-68, HV-69, HV-70, HV-71, HV-72, HV-73, HV-74, HV-75, HV-76, HV-77, HV-78, HV-79, HV-80, HV-81, HV-82, HV-83, HV-84, HV-85, HV-86, HV-87, HV-88, HV-89, HV-90, HV-91, HV-92, HV-93, HV-94, HV-95, HV-96, HV-97, HV-98, HV-99, HV-100.
  4. For Supply Air Ducts in Fan Room see Drawing HV-5.

DETAILS - PART C & D

FRAMINGHAM HIGH SCHOOL  
 FLAG DRIVE  
 FRAMINGHAM MASSACHUSETTS

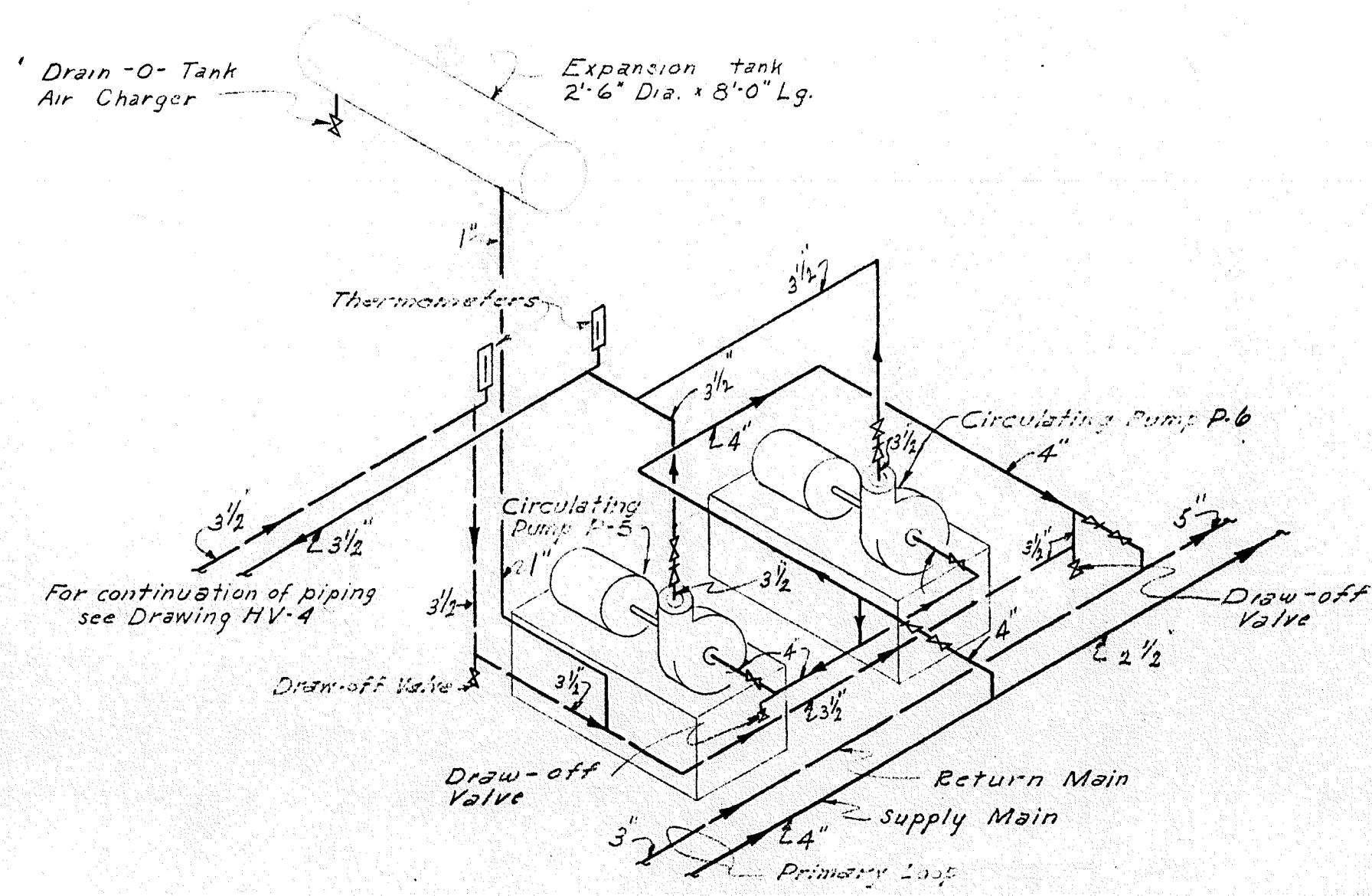
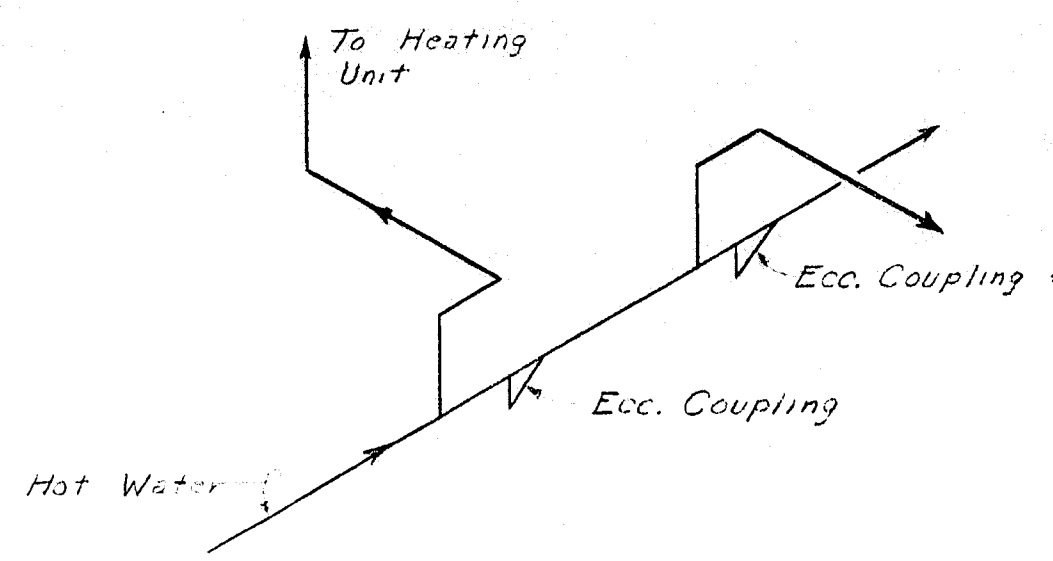
J. M. McCusker Associates  
 CONSULTING ENGINEERS  
 BOSTON, MASS.

DRAWN BY W. D. DATE May 25, 1954  
 CHECKED BY W. H. D. APPROVED BY J. A. M.

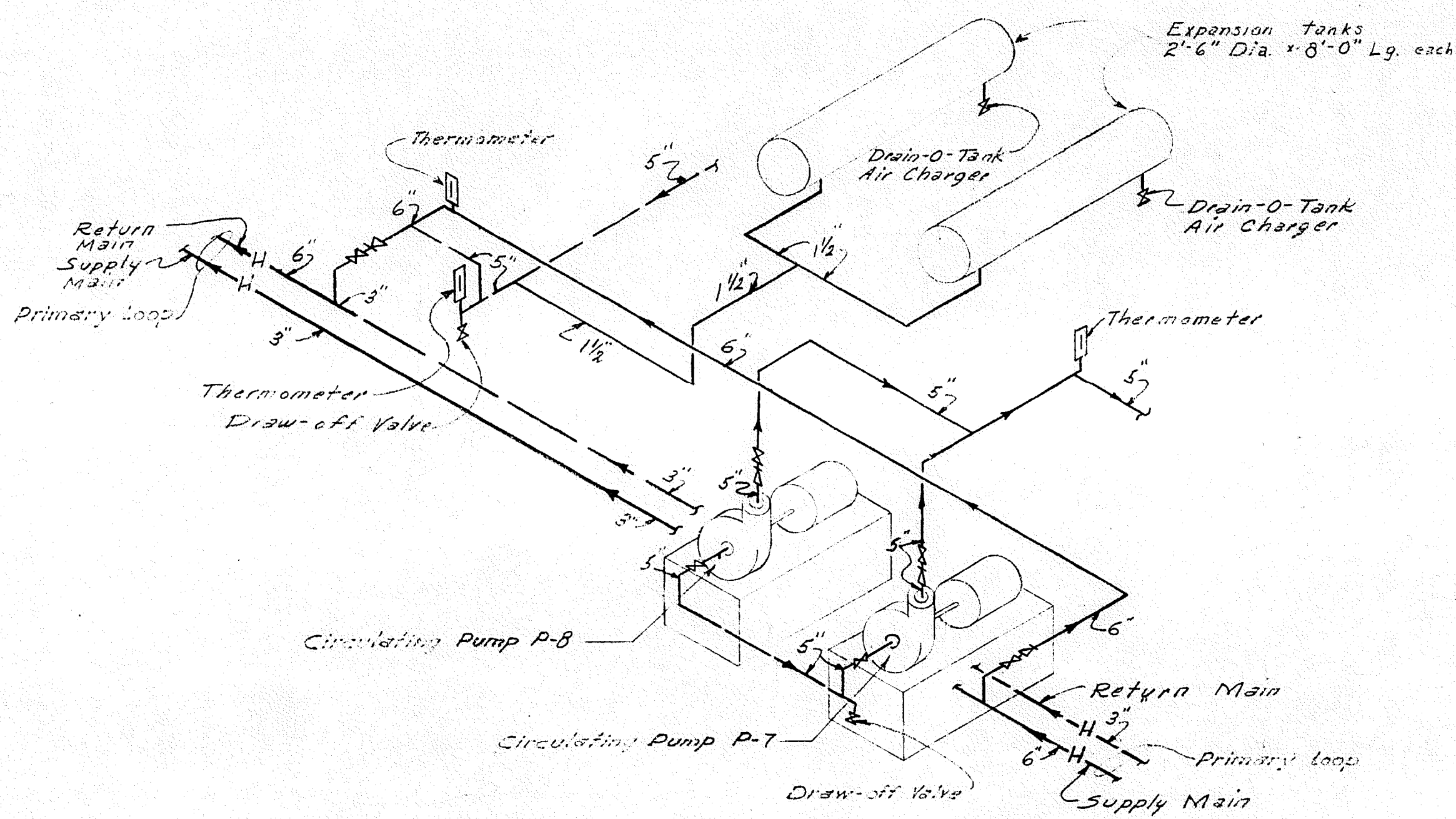
5609

HV 11

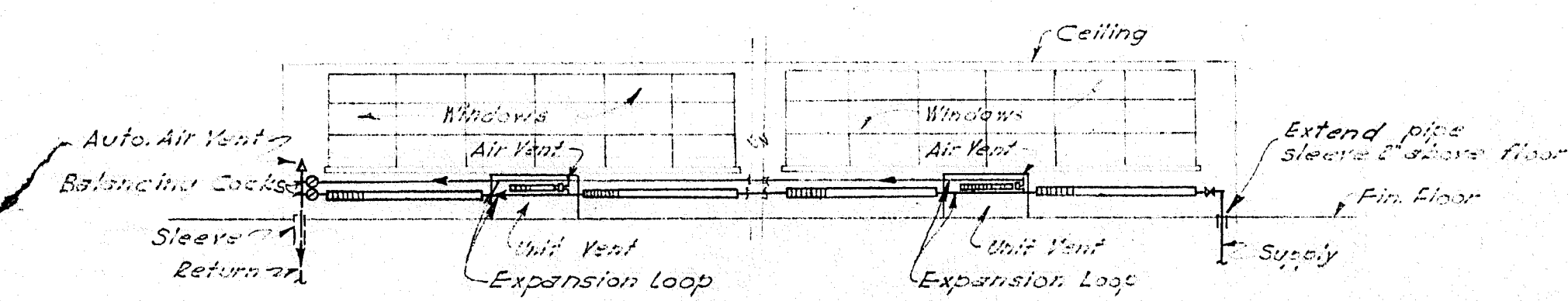




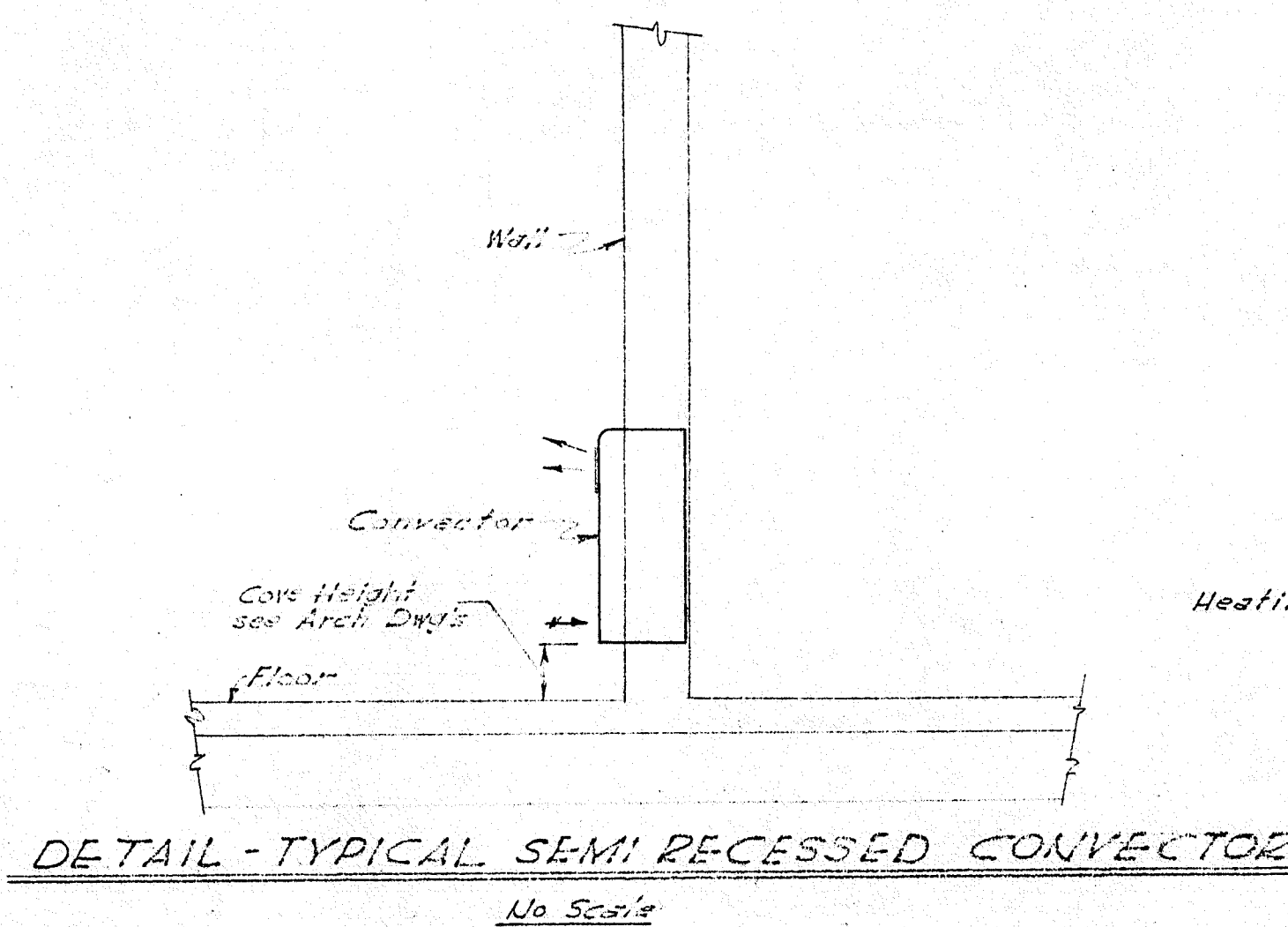
DETAIL OF PIPING AT A AREA CIRCULATING PUMPS  
No Scale



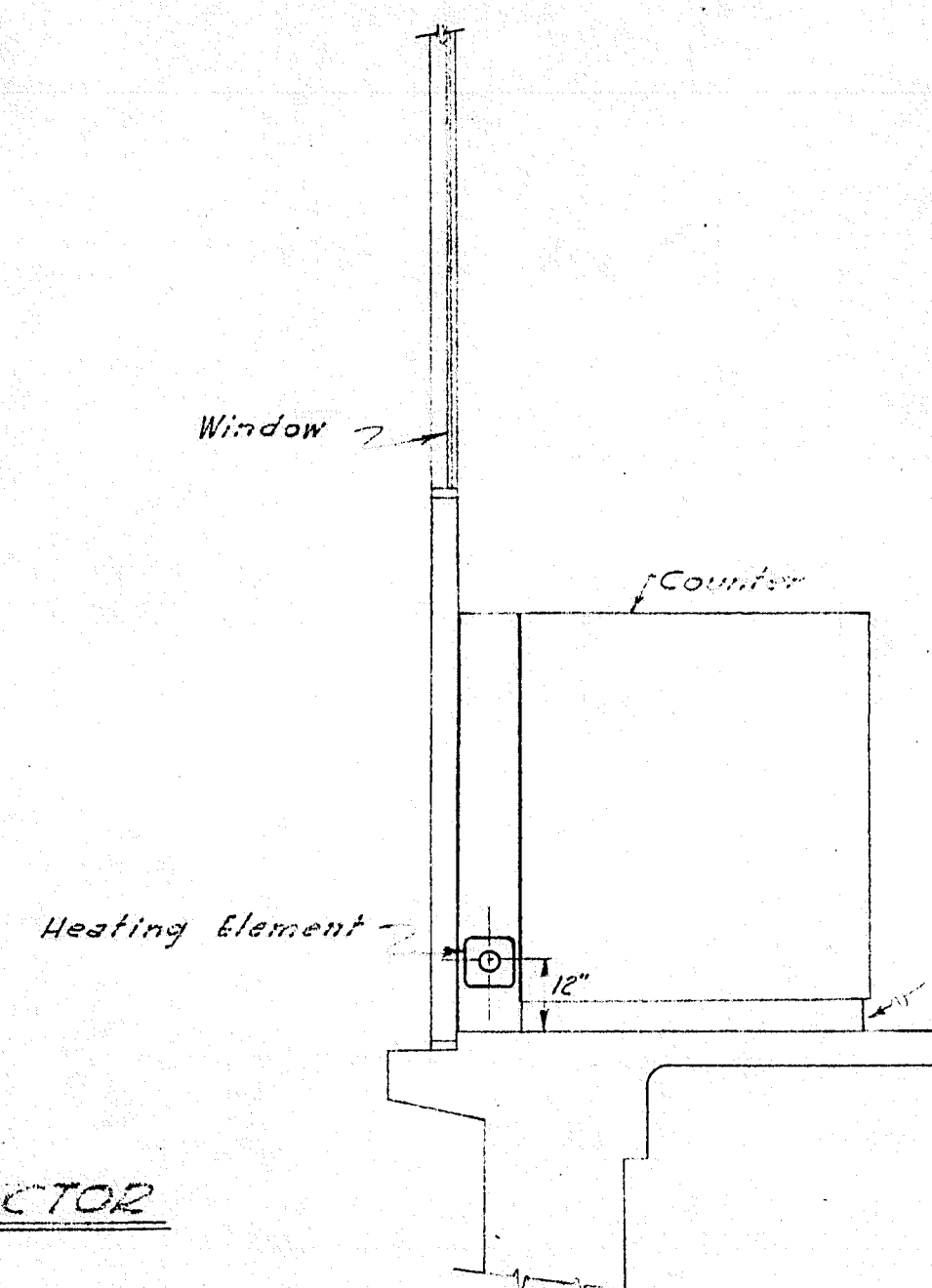
DETAIL OF PIPING AT D AREA CIRCULATING PUMPS  
No Scale



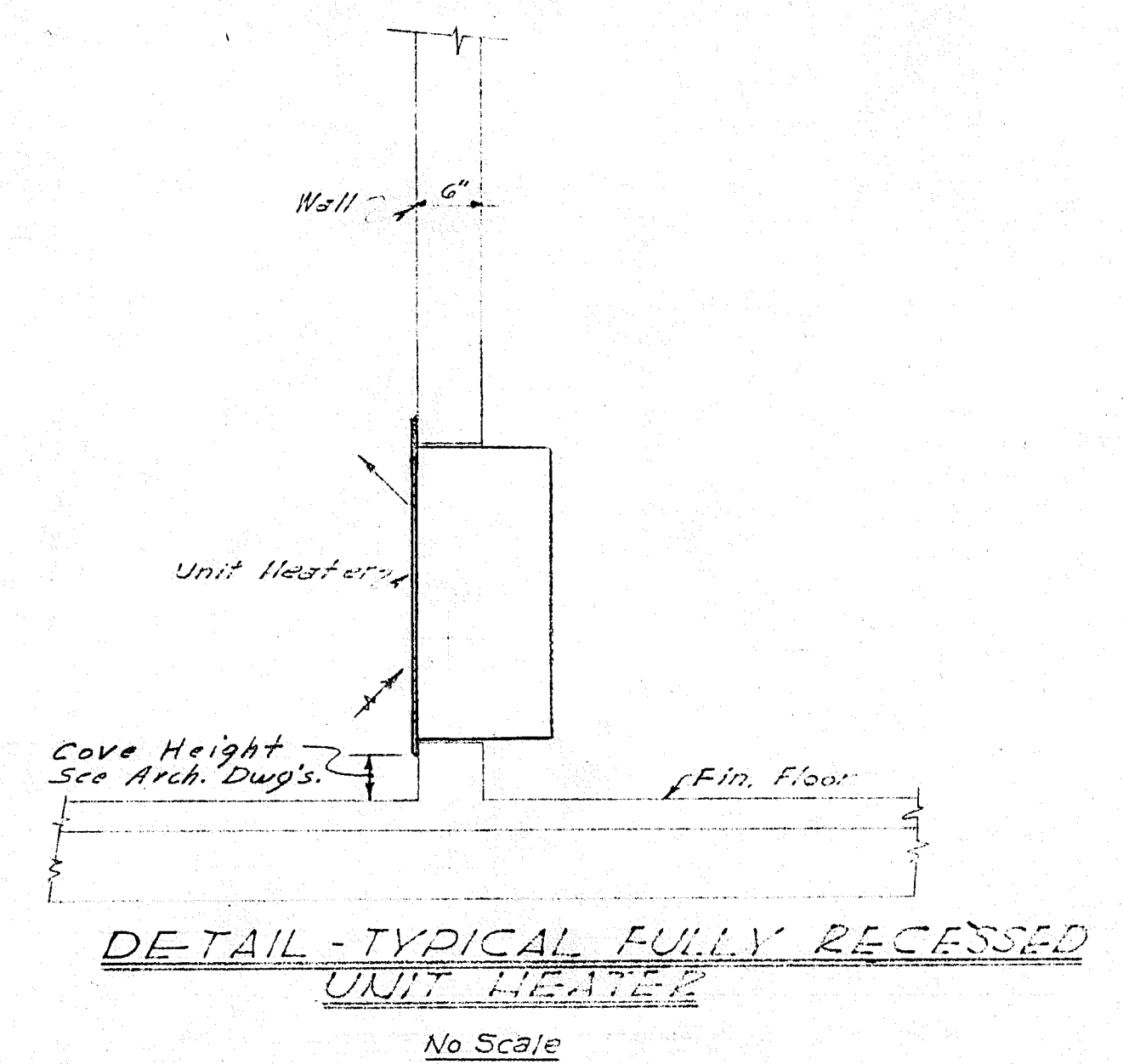
TYPICAL PIPING CONNS. TO CLASSROOM UNIT VENTS  
No Scale



DETAIL - TYPICAL SEMI RECESSED CONVECTOR  
No Scale



DETAIL - TYPICAL CONCEALED RADIATION  
No Scale



DETAIL - TYPICAL FULLY RECESSED UNIT HEATER  
No Scale

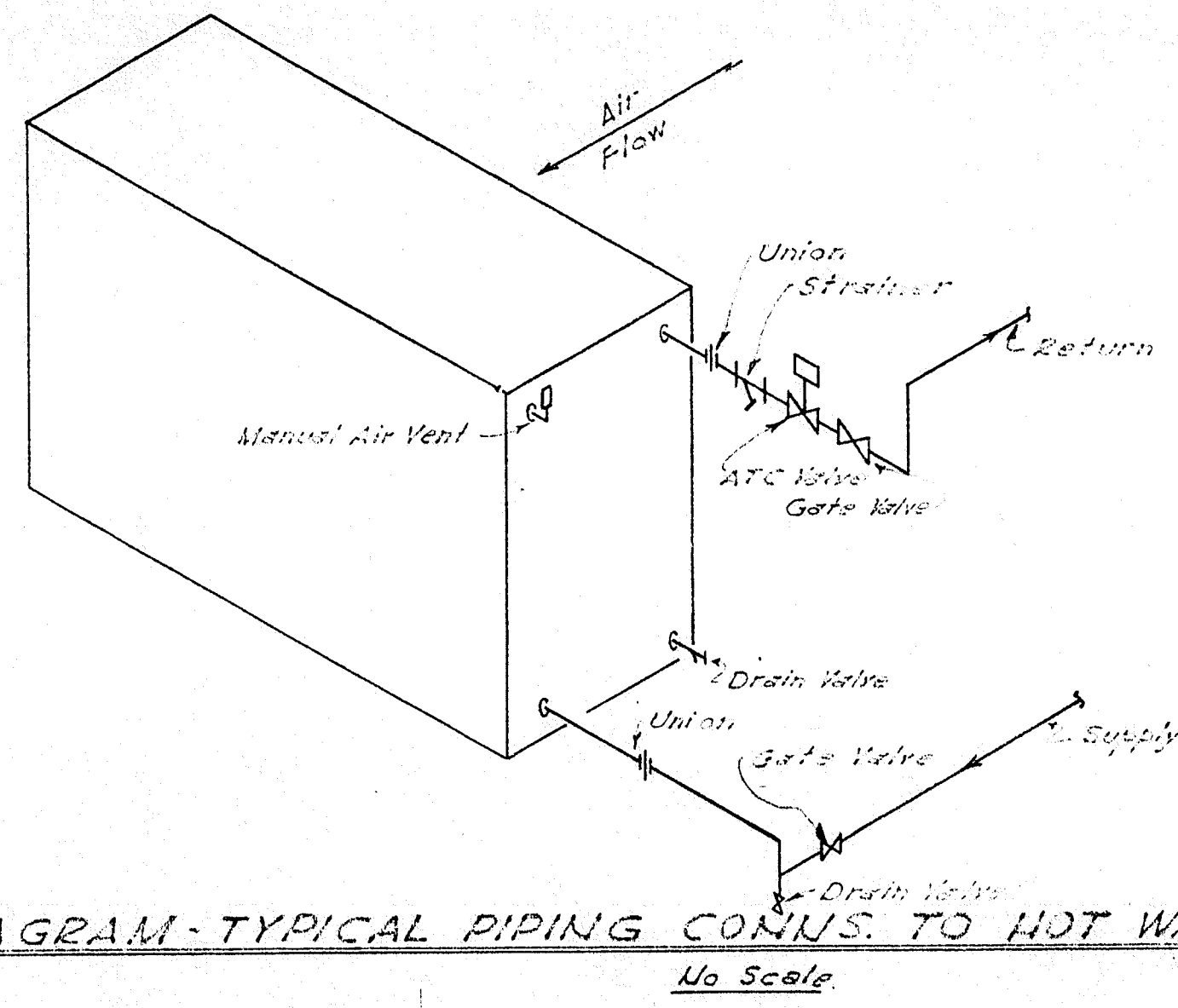
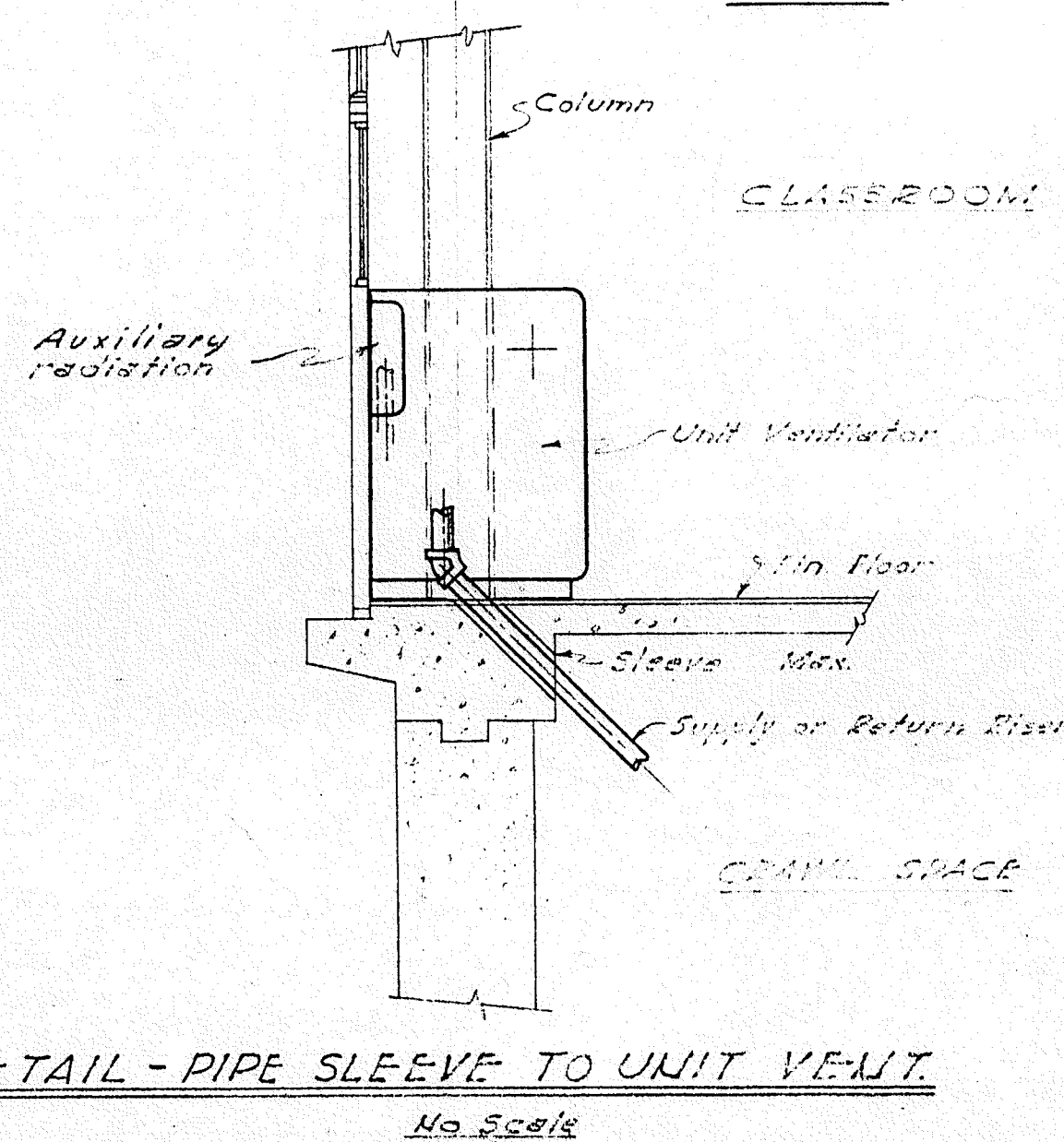
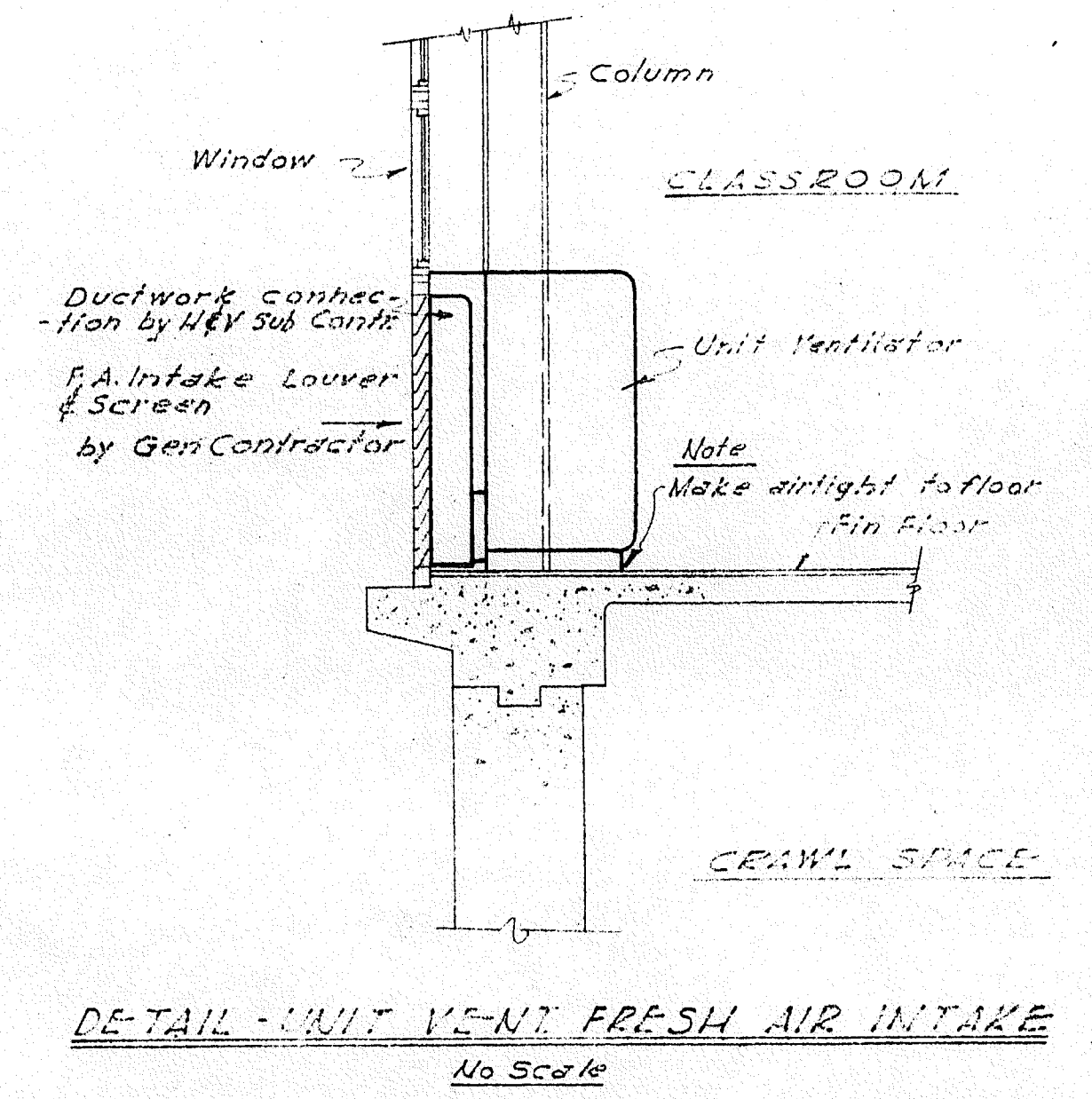


DIAGRAM - TYPICAL PIPING CONNS. TO HOT WATER HEATING COILS  
No Scale



DETAIL - PIPE SLEEVE TO UNIT VENT  
No Scale



DETAIL - UNIT VENT FRESH AIR INTAKE  
No Scale

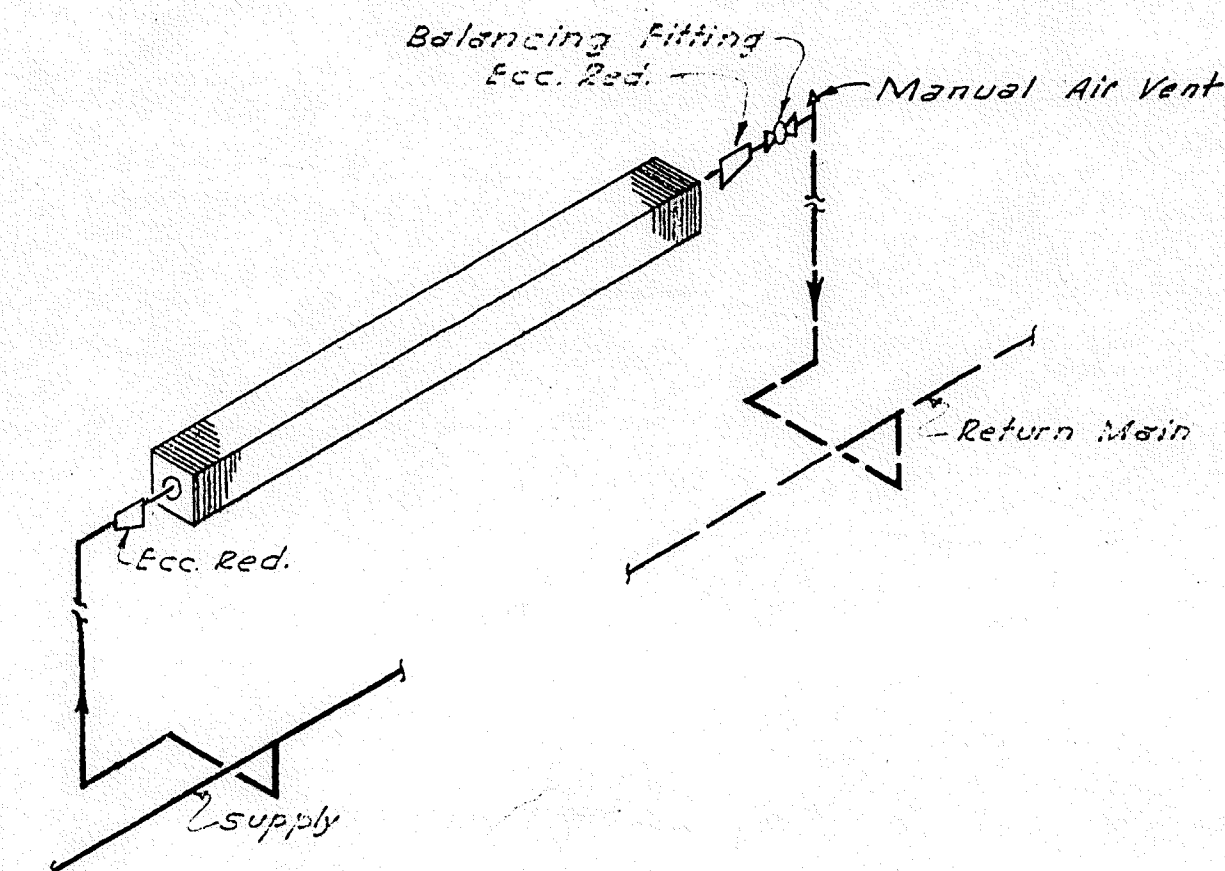


DIAGRAM - TYPICAL PIPING CONNS. TO FINNED TUBE RADIATION  
No Scale

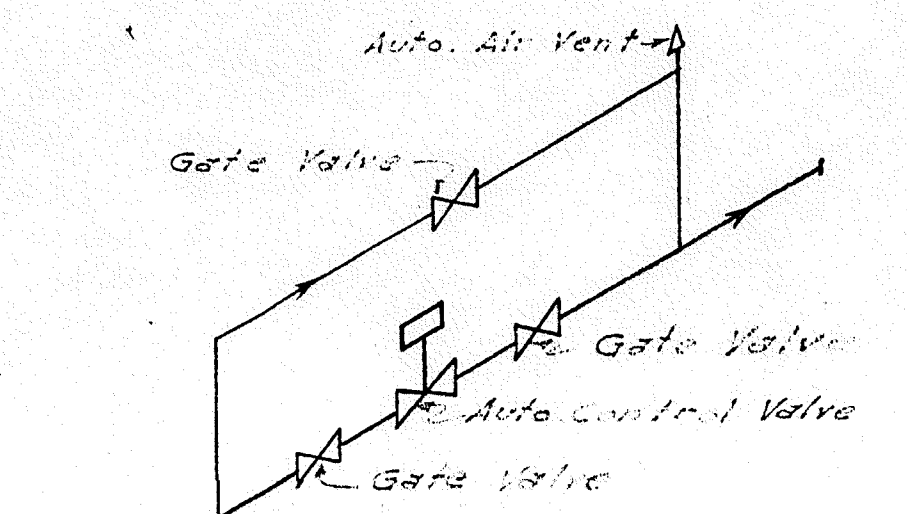


DIAGRAM - BY-PASS AROUND AUTO CONTROL VALVE  
No Scale

NOTES:  
1. For General Notes & Legend see Dwg HV-1

<b>TYPICAL PIPING DETAILS</b>	
FRAMINGHAM HIGH SCHOOL FLAGG DRIVE FRAMINGHAM MASSACHUSETTS	
J. M. McCUSKEE ASSOCIATES CONSULTING ENGINEERS, BOSTON, MASS.	
DATE: T.F.J.	May 25, 1956
DESIGN: R.F.C.	J.M.M.
5608	

**HV 12**



SCHEDULE OF HEATING & VENTILATING UNITS													
FAN NO.	SERVICE	AREA	ACFT	FLOOR DIA.	CFM	ENT. S.R.	OV. FPM	HP	TE. OF	MBH	FLTR.	DRIVE	REMARKS
HV1	Auto Shop	A	B.H.	2-15	6000	.36	1530	2	0-70	540	Flat	2"	Variable Motor 8 1/2" Dia
HV2	Auditorium	C	U.B.	2-18	7500	.34	1433	3	0-85	664	Flat	2"	Duct Type Duct
HV3	Language Arts	C	U.B.	2-12	3400	.34	1340	1	0-85	375	Flat	1 1/2"	Duct Type Duct
HV4	Band Practice	C	U.B.	2-10	2700	.43	1400	1	0-85	249	Flat	1 1/2"	Duct Type Duct
HV5	Library	C	B.H.	2-9	1750	.52	1200	1/2	0-70	174	Flat	1 1/2"	Duct Type Duct
HV6	Library Offices	C	B.H.	1-10	1300	.36	1400	1/2	0-103	145	Flat	1 1/2"	Duct Type Duct
HV7	Admin. Offices	C	B.H.	1-10	1300	.28	830	1/2	0-101	85	Flat	1"	Duct Type 100% FA
HV8	Girls Lockers	D	T.H.	2-5	5825	.30	1455	2	0-75	472	Angle	2"	Duct Type Duct
HV9	Gymnasium West	D	T.H.	2-18	7500	.41	1275	2	0-85	683	Angle	2"	Duct Type Duct
HV10	Gymnasium East	D	T.H.	2-18	7500	.41	1275	2	0-85	683	Angle	2"	Duct Type Duct
HV11	Multi-Purpose West	D	U.B.	2-5	4000	.38	1025	1	0-90	271	Flat	1 1/2"	Duct Type Duct
HV12	Multi-Purpose East	D	U.B.	2-5	4000	.38	1025	1	0-90	271	Flat	1 1/2"	Duct Type Duct
HV13	Boys Lockers	D	B.H.	2-5	5825	.35	1420	2	0-75	454	Angle	2"	Duct Type 100% FA
HV14	Girls Lockers	D	T.H.	2-5	5825	.32	1300	5	0-70	807	Angle	2 1/2"	Duct Type 100% FA

SCHEDULE OF UNIT HEATERS							
UNIT NO.	TYPE	LOCATION	AREA	HP	BPM	CAPACITY MBH	REMARKS
UH1	Horiz.	Auto Shop	A	1/4	1140	108.0	Propeller Type
UH2	Wall	Vestibule #54	A	1/4	650	85.0	Fully Recessed
UH3	Wall	Vestibule #34	B	1/4	650	85.0	Semi Recessed
UH4	Wall	Exhibition #105	B	1/4	650	85.0	Fully Recessed
UH5	Floor	Exhibition #105	B	1/4	650	85.0	Fully Recessed
UH6	Floor	Corridor #92	B	1/4	650	85.0	Fully Recessed
UH7	Wall	Corridor #109	C	1/4	650	85.0	Fully Recessed
UH8	Floor	Corridor #102	C	1/4	650	85.0	Semi Recessed
UH9	Wall	Corridor #102	C	1/4	300	254	Fully Recessed
UH10	Floor	Corridor #102	C	1/4	300	254	Fully Recessed
UH11	Wall	Corridor #102	C	1/4	650	85.0	Semi Recessed
UH12	Wall	Office #178	C	1/4	900	254	Fully Recessed
UH13	Floor	Office #109	C	1/4	650	85.0	Semi Recessed
UH14	Floor	Vestibule #244	D	1/4	750	212	Fully Recessed
UH15	Floor	Vestibule #259	D	1/4	600	40.0	Fully Recessed
UH16	Horiz.	Corridor #276	D	1/4	353	43.0	Ceiling Type

SCHEDULE OF CLASSROOM UNIT VENTILATORS						
UNIT NO.	LOCATION	AREA	CFM	FRESH AIR	REMARKS	
CS-1	Woodworking Shop	A	1250	100		
CS-2	Shop #178	A	1250	50	2 Units in Shop Room	
CS-3	Machining Shop	A	1250	50		
CS-4	Class Rm. 11, 12 & 49	A	700	50		
CS-5	Planning 26	A	1000	50	Horizontal Ceiling Unit	
CS-6	Planning 3	A	1000	50		
CS-7	Math Lab 32	A	700	50		
CS-8	Math Class Rm. 33	A	1000	50		
CS-9	Drawing Class Rm. 34	A	1000	50	Bottom R.A. Intake	
CS-10	Graphics 38	A	1000	50	Bottom R.A. Intake	
CS-11	Vocational 41 & 42	A	1000	50	Bottom R.A. Intake	
CS-12	Physics Lab 68	B	1000	50	Bottom R.A. Intake	
CS-13	Physics Classroom #67	B	1000	50		
CS-14	Chemistry Lab. 65	B	1000	50		
CS-15	Biology Lab 61 & 63	B	1000	50		
CS-16	Science Natn. 75 & 82	B	1000	50		
CS-17	Math Class Rm. 34	B	1000	50		
CS-18	Art & Crafts 72	B	1000	50		
CS-19	Social Studies 58	B	1000	50		
CS-20	English Class Rm. 77 & 81	B	1000	50		
CS-21	Social Studies 59 & 79	B	1000	50		
CS-22	English Class 91	B	1000	50		
CS-23	Math Class 83 & 84	B	1000	50		
CS-24	English Class Rm. 108	B	1000	50		
CS-25	Speechmaking Rm. 107	B	1000	50		
CS-26	Bookkeeping Rm. 106	B	250	50		
CS-27	Class Rm. 123, 124 & 128	C	1000	50		
CS-28	Class Rm. 112, 127, 129, 131 & 134	C	1250	50		
CS-29	Teachers Dining 260	D	750	100		
CS-30	Homecoming Club 274, 275 & 277	D	1000	50		
CS-31	Cafeteria 268	D	1000	100		
CS-32	Health 200 to 204	D	1000	100	Horizontal Ceiling Unit	

SCHEDULE OF EXHAUST FANS													
FAN NO.	SERVICE	AREA	CFM	HP	DRIVE	MAX. Q.M.	REMARKS	WHEEL RPM	MAX. TIP SA	CURVE SIZE INSIDE	REMARKS		
E-1	Classrooms	A	1,500	3/4	1/2	1,200	CW UB SW	Yes					
E-2	Classrooms	A	4,300	1 1/2	1	1,400	CW UB SW	Yes					
E-3	Classrooms	A	1,500	3/4	1/2	1,200	CW UB SW	Yes					
E-4	Toilet 221	A	240	1/4	1/2	1,500	CW UB SW	Yes					
E-5	Toilet 43	A	100	1/4	1/2	1,500	CW UB SW	Yes					
E-6	Toilet 109	A	100	1/4	1/2	1,500	CW UB SW	Yes					
E-7	Toilet 109	A	100	1/4	1/2	1,500	CW UB SW	Yes					
E-8	Toilet 109	A	100	1/4	1/2	1,500	CW UB SW	Yes					
E-9	Science Rm.	B	3,000	3/4	1/2	1,500	CW UB SW	Yes					
E-10	Art & Crafts	B	1,000	3/4	1/2	1,400	CW UB SW	Yes					
E-11	Small Shop	B	6,125	1 1/2	1 1/2	1,200	CW UB SW	Yes					
E-12	Small Shop	B	3,000	3/4	1	1,000	CW UB SW	Yes					
E-13	Class Rm. North	C	5,625	1 1/2	1	1,100	CW UB SW	Yes					
E-14	Language Arts	C	3,500	1 1/2	1	1,255	CW UB SW	Yes					
E-15	Band Practice	C	2,700	3/4	1/2	1,475	CW UB SW	Yes					
E-16	Gym. East	D	7,500	1 1/2	1	1,200	CW TH SW	Yes					
E-17	Gym. West	D	7,500	1 1/2	1	1,200	CW TH SW	Yes					
E-18	Multi-Purpose East	D	4,000	1 1/2	1/2	1,160	CW TH SW	Yes					
E-19	Multi-Purpose West	D	4,000	1 1/2	1/2	1,160	CW TH SW	Yes					
E-20	Health Suite	D	1,200	1/4	1/2	1,400	CW UB SW	Yes					

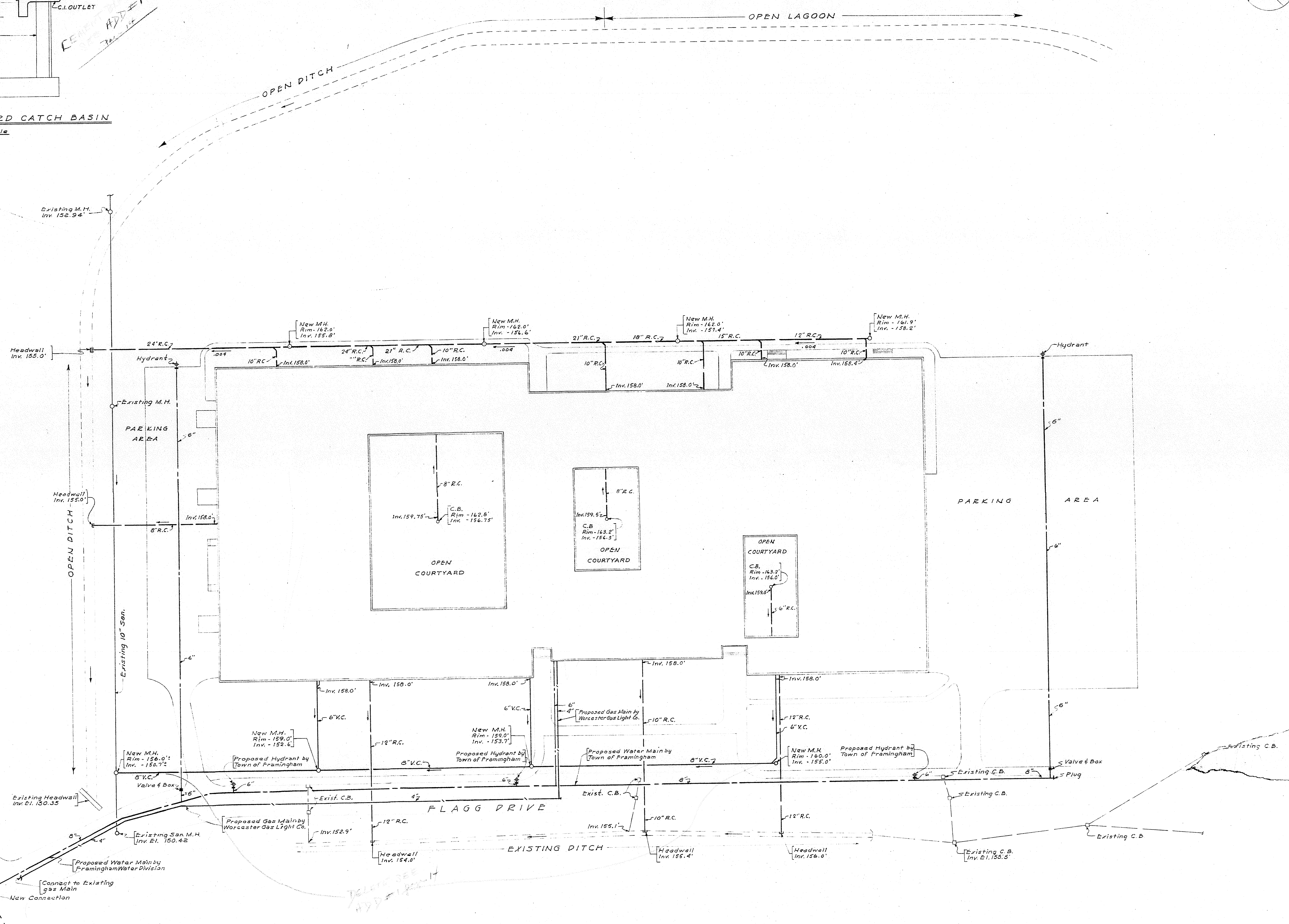
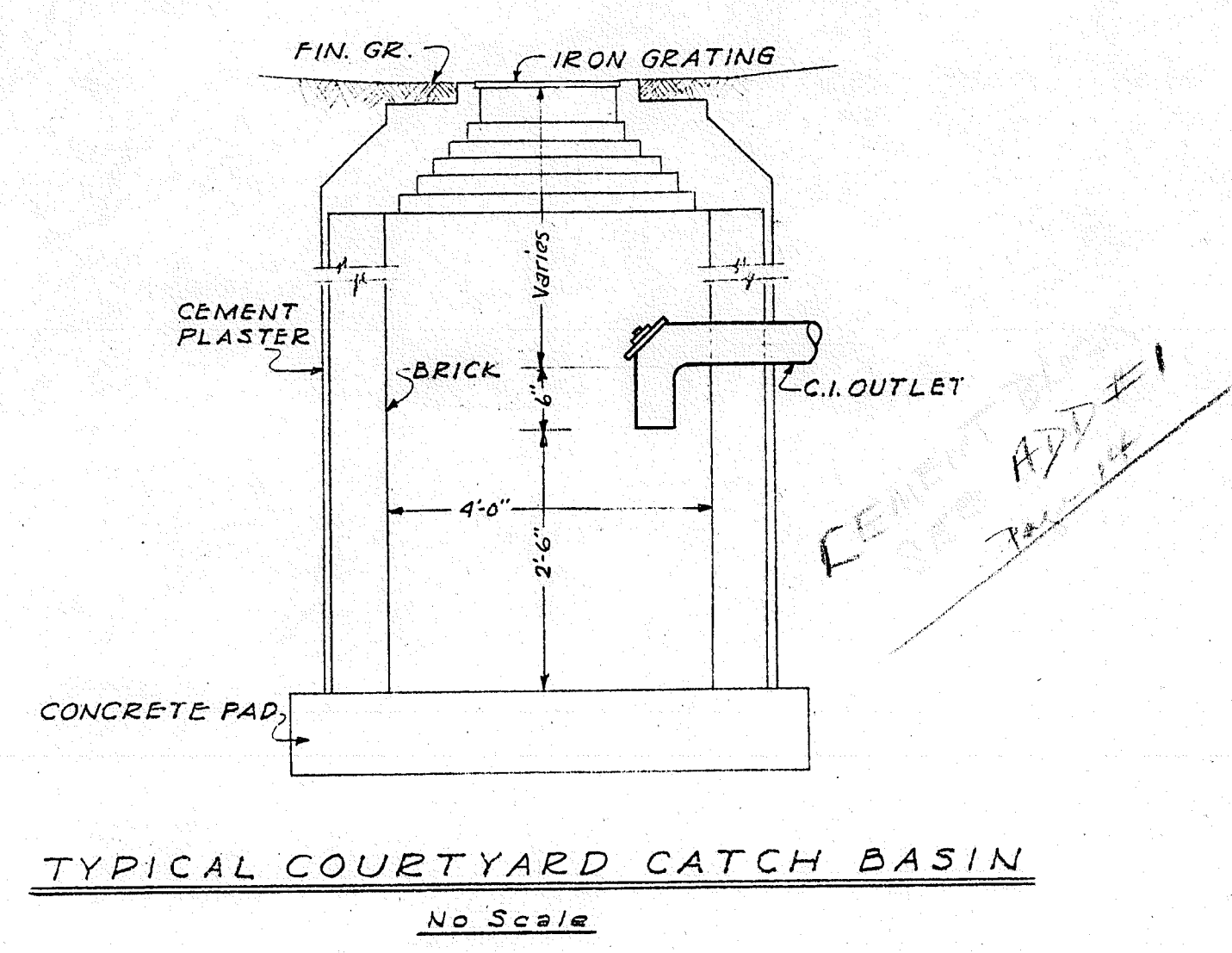
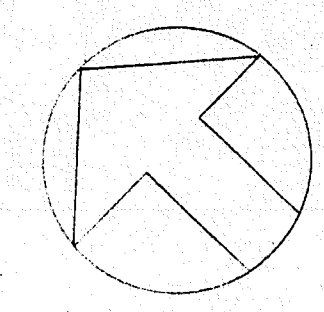
  

ROOF TYPE EXHAUSTERS						
FAN NO.	SERVICE	AREA	CFM	HP	DRIVE	REMARKS
E-21	Wood Shop Hood	A	1,000	1/4	1/2	Direct
E-22	Metals Shop Hood	A	4,000	1 1/2	1	Belt
E-23	Auto Shop Hood	A	6,000	3/4	1	Belt
E-24	Mach. Shop Hood	A	1,500	1/4	1/2	Belt
E-25	Wood Shop Hood	A	200	1/4	1/2	Direct
E-26	Toilet 221	A	240	1/4	1/2	Direct
E-27	Occupational Office 43 & 44	A	500	1/4	1/2	Direct
E-28	Dark Room	A	200	1/4	1/2	Direct
E-29	Office 50 & 53	A	200	1/4	1/2	Direct
E-30	Physics Prep.	B	200	1/4	1/2	Direct
E-31	Chem. Prep.	B	200	1/4	1/2	Direct
E-32	Biology Prep.	B	200	1/4	1/2	Direct
E-33	Office	B	200	1/4	1/2	Direct
E-34	Boys Locker #71	B	200	1/4	1/2	Direct
E-35	Girls Toilet #80	B	300	1/4	1/2	Direct
E-36	Toilet 221	C	240	1/4	1/2	Belt
E-37	Girls Toilet 115	C	120	1/4	1/2	Belt
E-38	Toilet 149	C	230	1/4	1/2	Direct
E-39	Toilet 118 & 119	C	230	1/4	1/2	Direct
E-40	Toilet 125	C	230	1/4	1/2	Direct
E-41	Toilet 160 & 161	C	230	1/4	1/2	Direct
E-42	Offices 165 & 166	C	1,100	1/4	1/2	Belt
E-43	Library 164	C	1,750	1/4	1/2	Belt
E-44	Toilet 183, 184, 185	C	230	1/4	1/2	Direct
E-45	Offices 181, 182 & 183	C	500	1/4	1/2	Direct
E-46	Toilet 171 & 172	C	140	1/4	1/2	Direct
E-47	Class Rooms 142 & 143	C	1,000	1/4	1/2	Direct
E-48	Class Rooms 144 & 145	C	1,125	1/4	1/2	Direct
E-49	Girls Locker	D	4,860	3/4	1/2	Belt
E-50	Boys Locker	D	4,250	3/4	1/2	Belt
E-51	Toilet 219	D	210	1/4	1/2	Direct
E-52	Toilet 223 & 224	D	340	1/4	1/2	Belt
E-53	Toilet 229	D	230	1/4	1/2	Direct
E-54	Toilet 242 & 243	D	230	1/4	1/2	Direct
E-55	Toilet 241	D	240	1/4	1/2	Direct
E-56	Toilet 251 & 252	D	360	1/4	1/2	Belt
E-57	Toilet 271 & 272	D	360	1/4	1/2	Belt
E-58	Scullery Dishwashing	D	3,500	1 1/2	1/2	Belt
E-59	Teachers Dining	D	750	1/4	1/2	Belt
E-60	Oven Hood	D	5,000	1 1/2	1/2	Belt
E-61	Range Hood	D	7,500	3/4	1	Belt
E-62	Kitchen Fanhood	D	1,500	1/4	1/2	Belt
E-63	Toilet Girls 78 & 79	D	500	1/4	1/2	Direct
E-64	Instructors Toilet	D	280	1/4	1/2	Direct
E-65	Class Rooms 274, 275 & 276	D	1,500	1/4	1/2	Belt

CIRCULATING PUMP SCHEDULE						
PUMP NO.	SERVICE	HP	CFM	WHEEL RPM	REMARKS	LOCATION
P-1	Primary Pumping	15	1750	890	48"	Boiler Room
P-2	Stand-By	15	1750	890	48"	Boiler Room
P-3	H.W. Generator	3 1/2	1750	125	18"	Boiler Room
P-4	H.W. Generator	3 1/2	1750	125	18"	Boiler Room
P-5	Secondary Pumping	5	1750	160	62"	Area A
P-6	Stand-By	5	1750	160	62"	Area A
P-7	Secondary Pumping	10	1750	340	52"	Area D
P-8	Stand-By	10	1750	340	52"	Area D

SCHEDULE OF EXTENDED SURFACE RADIATION					
MARK	NO. ROWS HIGH	ENCLOSURE HEIGHT	HEATING ELEM. LENGTH	MIN. TOTAL MBH	REMARKS
R-1	1	13"	2'-0"	2.5	
R-2	1	13"	3'-0"	3.8	
R-3	1	13"	4'-0"	5.1	
R-4	1	14"	5'-0"	8.7	
R-5	1	13"	5'-0"	6.4	
R-6	1	13"	6'-0"	7.6	
R-7	1	13"	7'-0"	8.9	
R-8	1	14"	7'-0"	12.1	
R-9	1	13"	8'-0"	10.2	
R-10	1	14"	9'-0"	15.6	
R-11	1	13"	10'-0"</		





**LEGEND**

--- (dashed)	Sanitary
--- (long dashed)	Storm
— (solid)	Water
- · - · - (dash-dot)	Gas
○ (circle)	M.H. Manhole
□ (square)	C.B. Catch Basin
⊕ (circle with cross)	Hydrant & Valve Box
R.C. (Reinforced Concrete)	Reinforced Concrete
C.I. (Cast Iron)	Cast Iron
V.C. (Vitreous Clay)	Vitreous Clay

**SITE PLAN**  
Scale 1" = 40'-0"

**SITE PLAN**

FRAMINGHAM HIGH SCHOOL  
FLAGG DRIVE  
FRAMINGHAM, MASSACHUSETTS

SAMUEL GLASER ASSOCIATES  
ARCHITECTS & ENGINEERS  
105 NEWBURY STREET · BOSTON · MASSACHUSETTS

J. M. McCUSKER ASSOCIATES  
CONSULTING ENGINEERS · BOSTON, MASS.

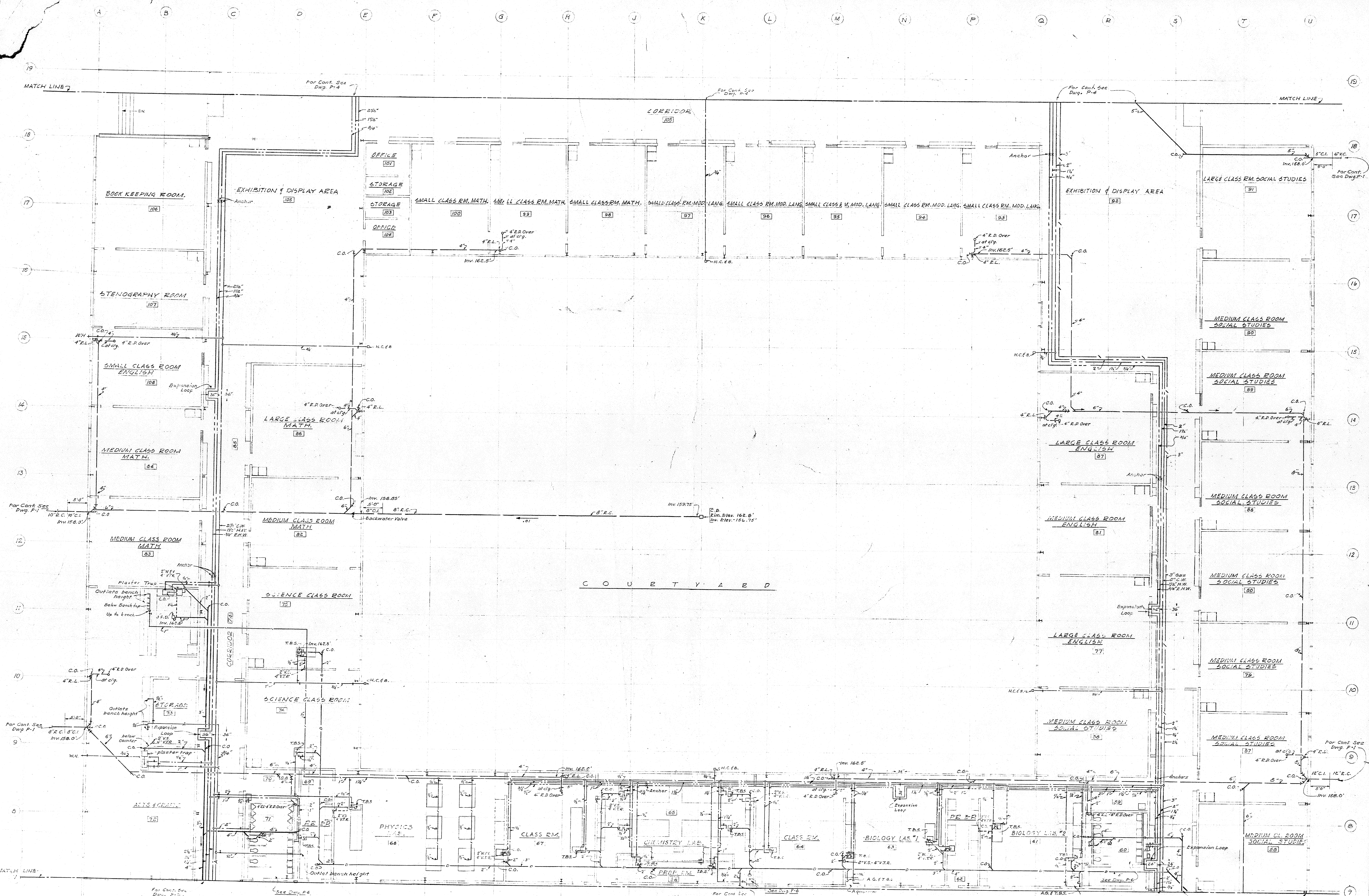
DRAWN BY L. P. D. DATE MAY 25, 1956 JOB No. 5608  
CHECKED BY L. H. M. APPROVED BY J. M.

DRAWING No. **121**

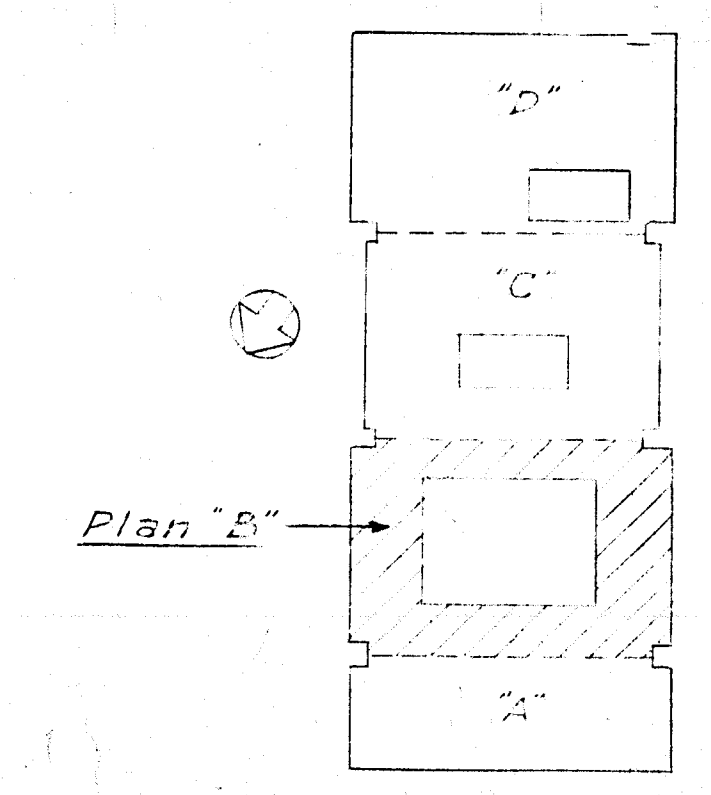








FLOOR PLAN "B"  
Scale: 1/8" = 1'-0"



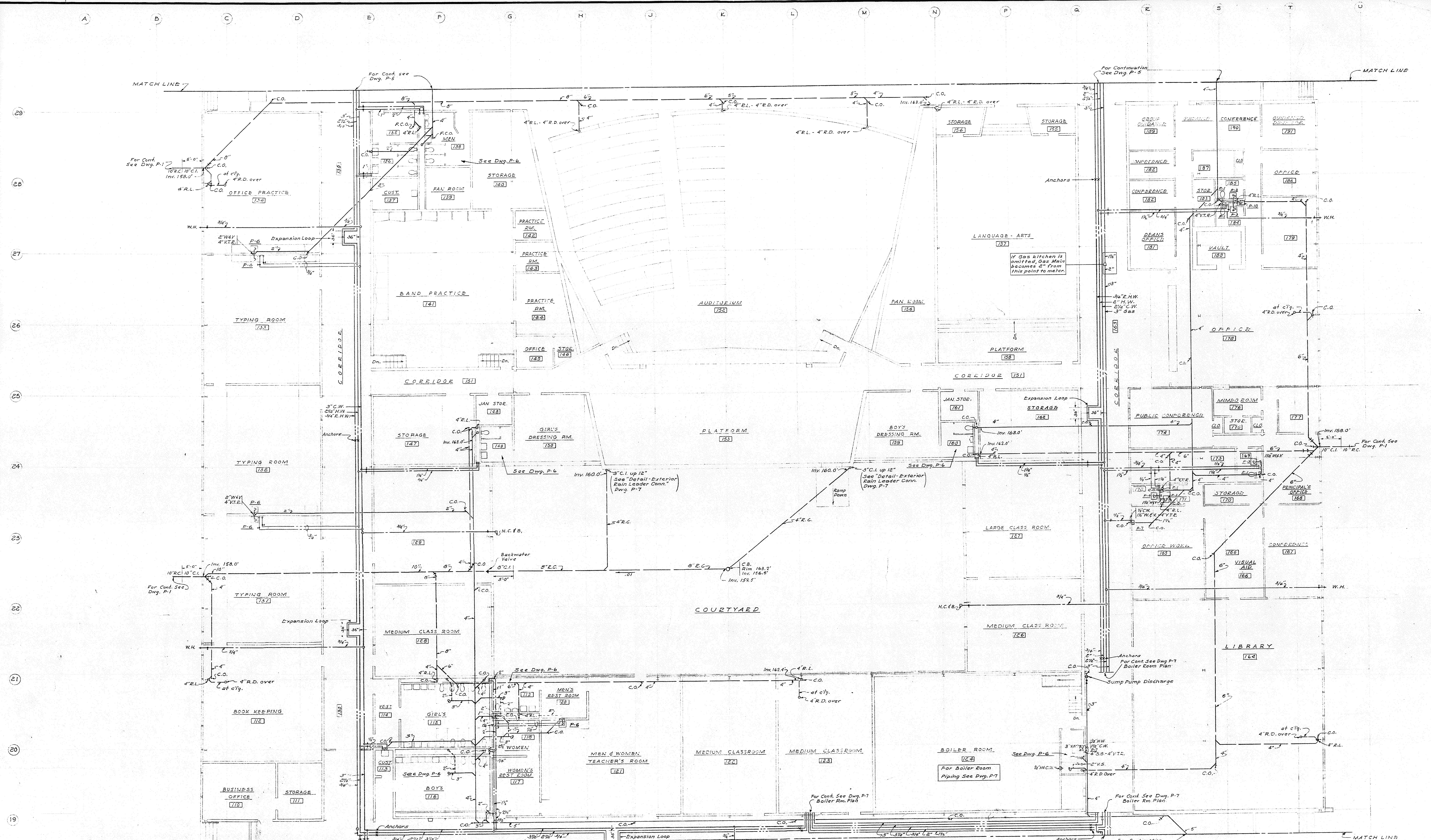
**FLOOR PLAN "B"**

PLANNING AND ARCHITECTURE  
 J.M. McCusker Associates  
 CONSULTING ENGINEERS  
 BOSTON, MASS.

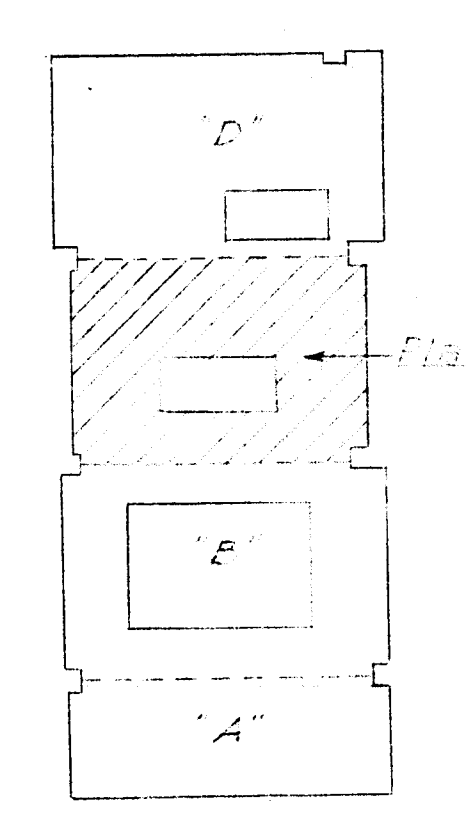
DATE: MAY 25, 1966  
 DRAWN BY: W.S.  
 CHECKED BY: L.P.M.  
 APPROVED BY: J.M.

5608





FLOOR PLAN "C"  
Scale 1/8" = 1'-0"



**FLOOR PLAN "C"**

FRAMINGHAM HIGH SCHOOL  
FLAGG DRIVE  
FRAMINGHAM, MASSACHUSETTS

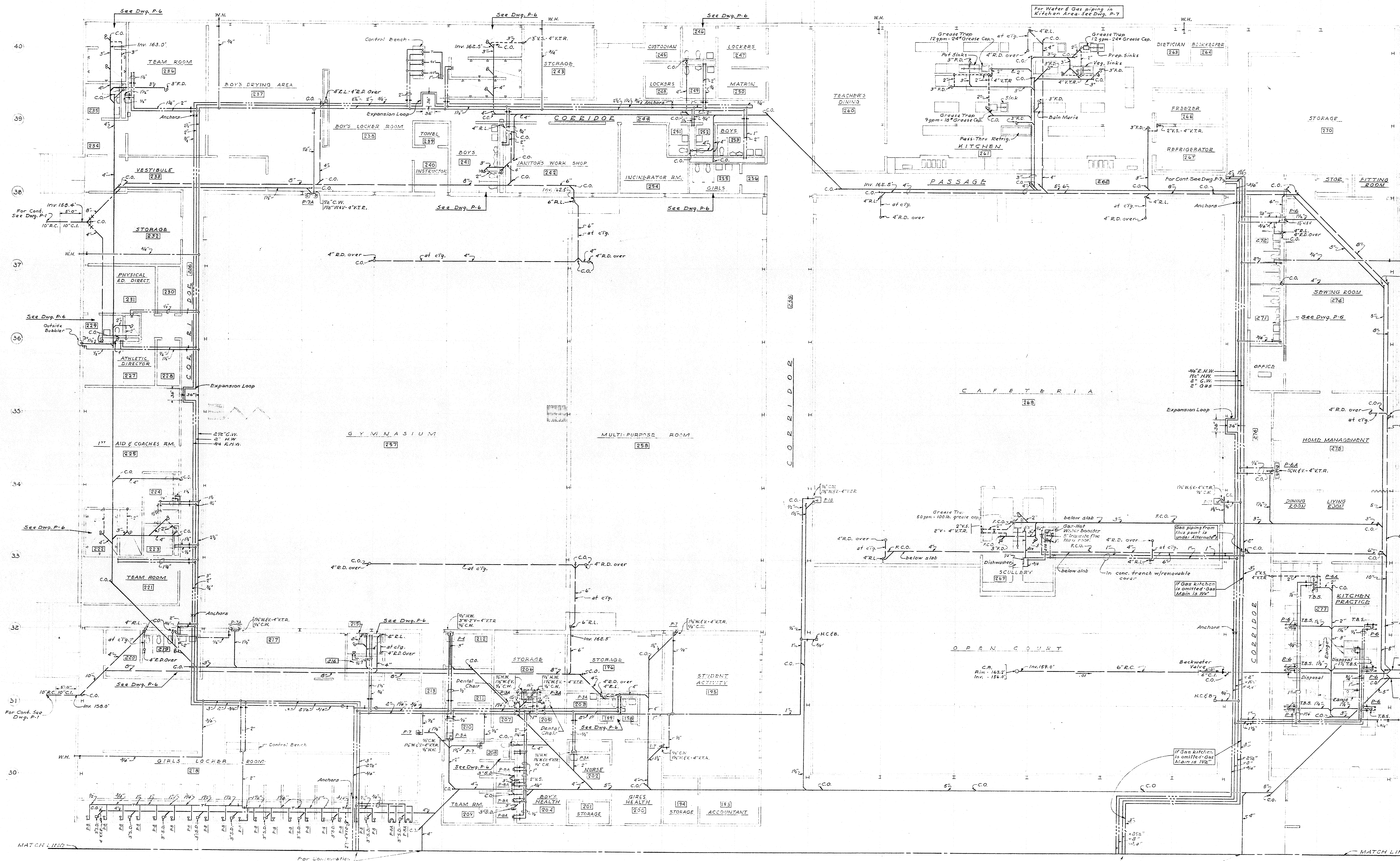
J. M. McCUSKER ASSOCIATES  
CONSULTING ENGINEERS BOSTON, MASS.

DESIGNED BY L.F.D. MAY 25, 1956

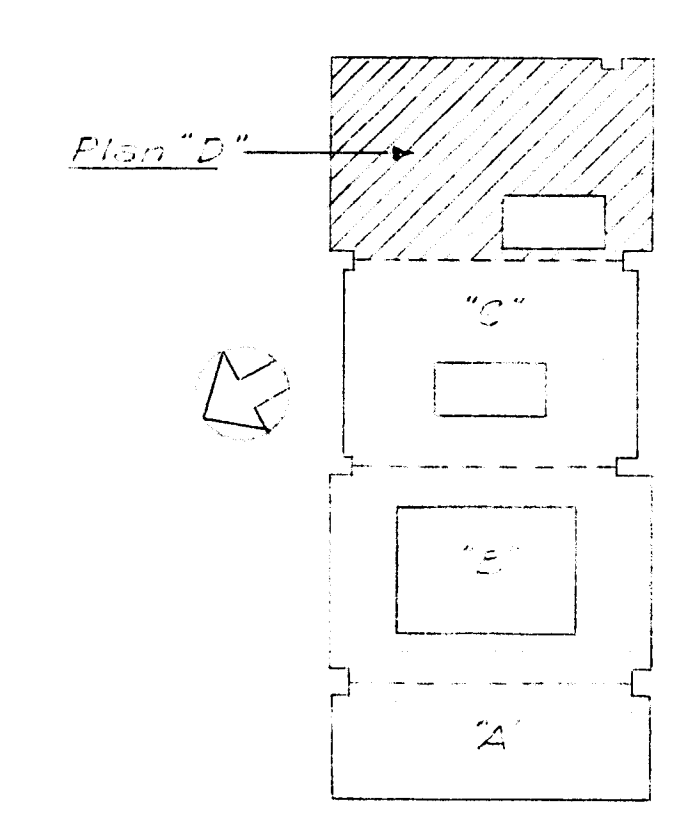
5608

12-4





FLOOR PLAN "D"  
Scale 1/8" = 1'-0"



**FLOOR PLAN "D"**

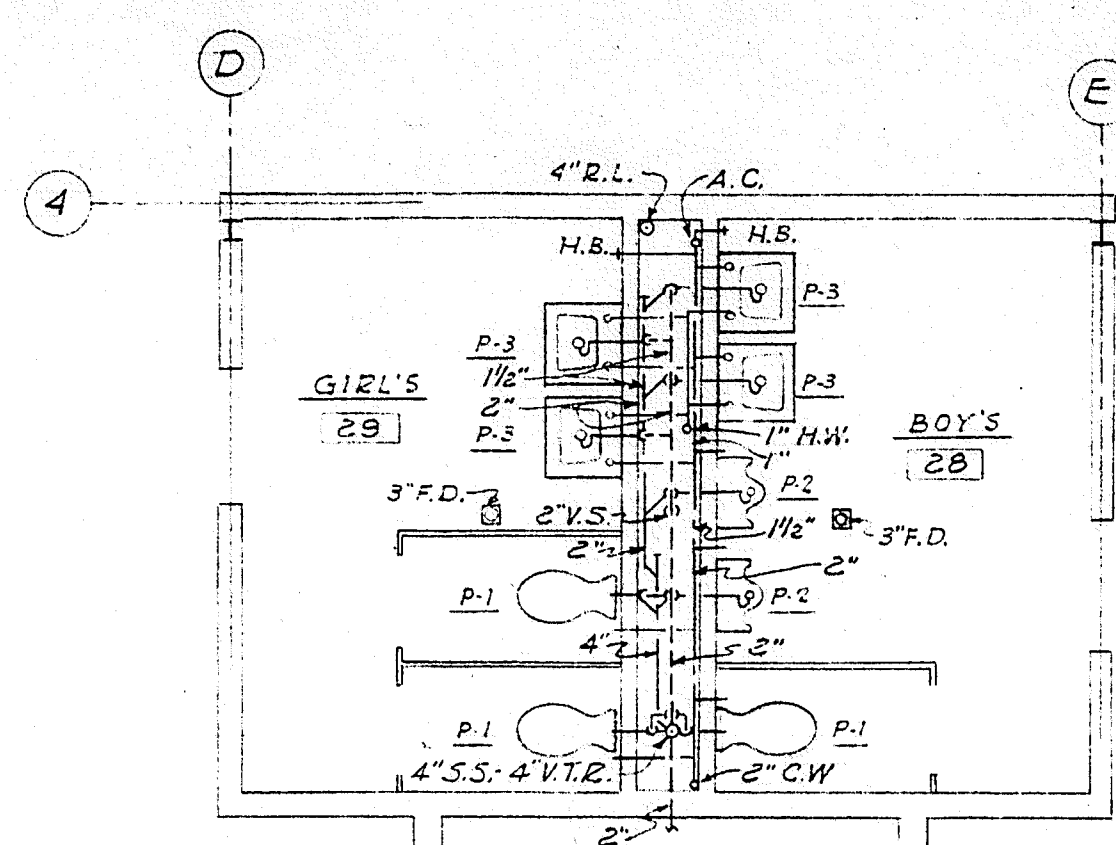
FRAMINGHAM HIGH SCHOOL  
 FLAG DRIVE  
 FRAMINGHAM, MASSACHUSETTS

U. M. McCUSKER ASSOCIATES  
 CONSULTING ENGINEERS  
 BOSTON, MASS.

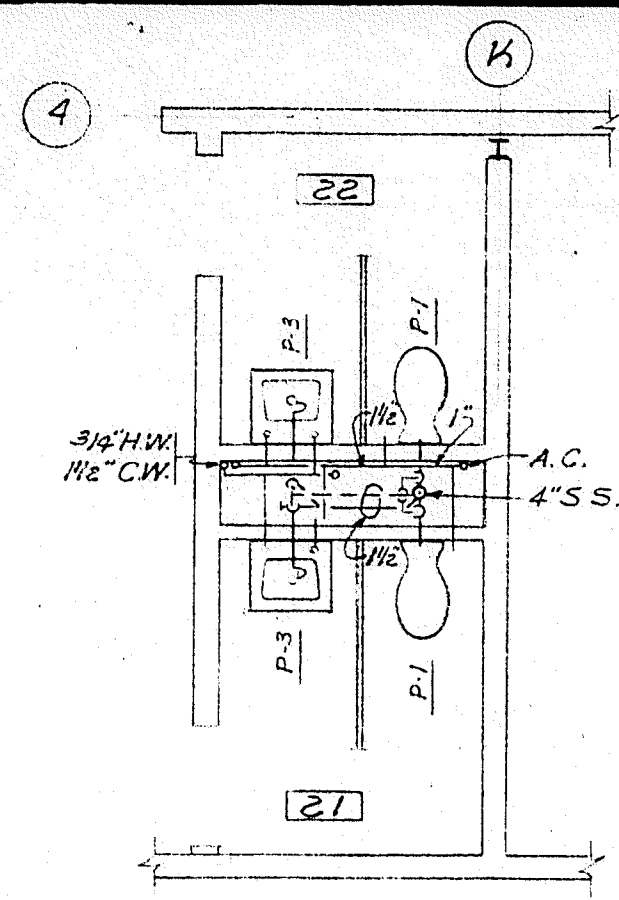
DATE: L.F.D. MAY 25, 1956  
 L.H.M.

5008 **P.5**

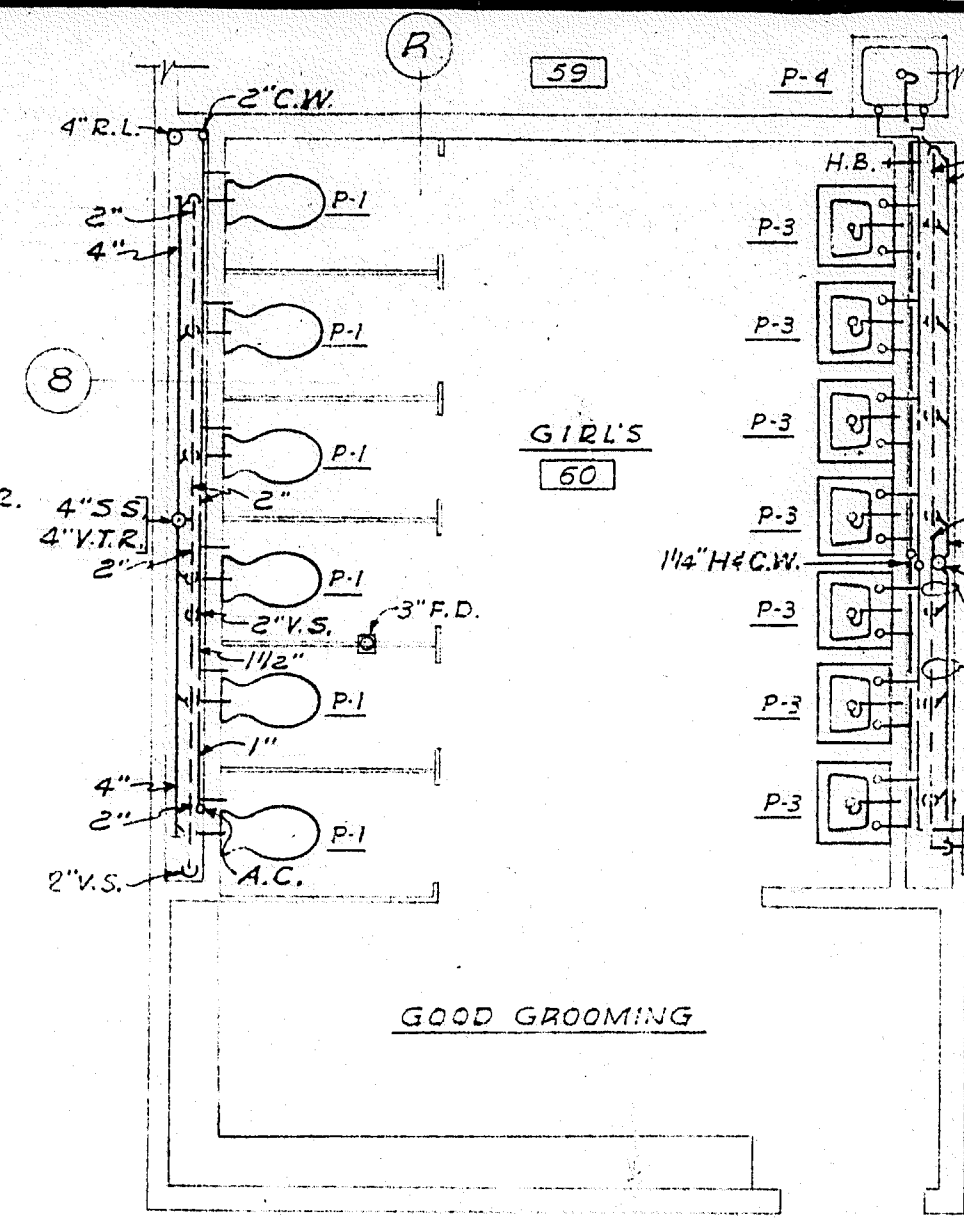




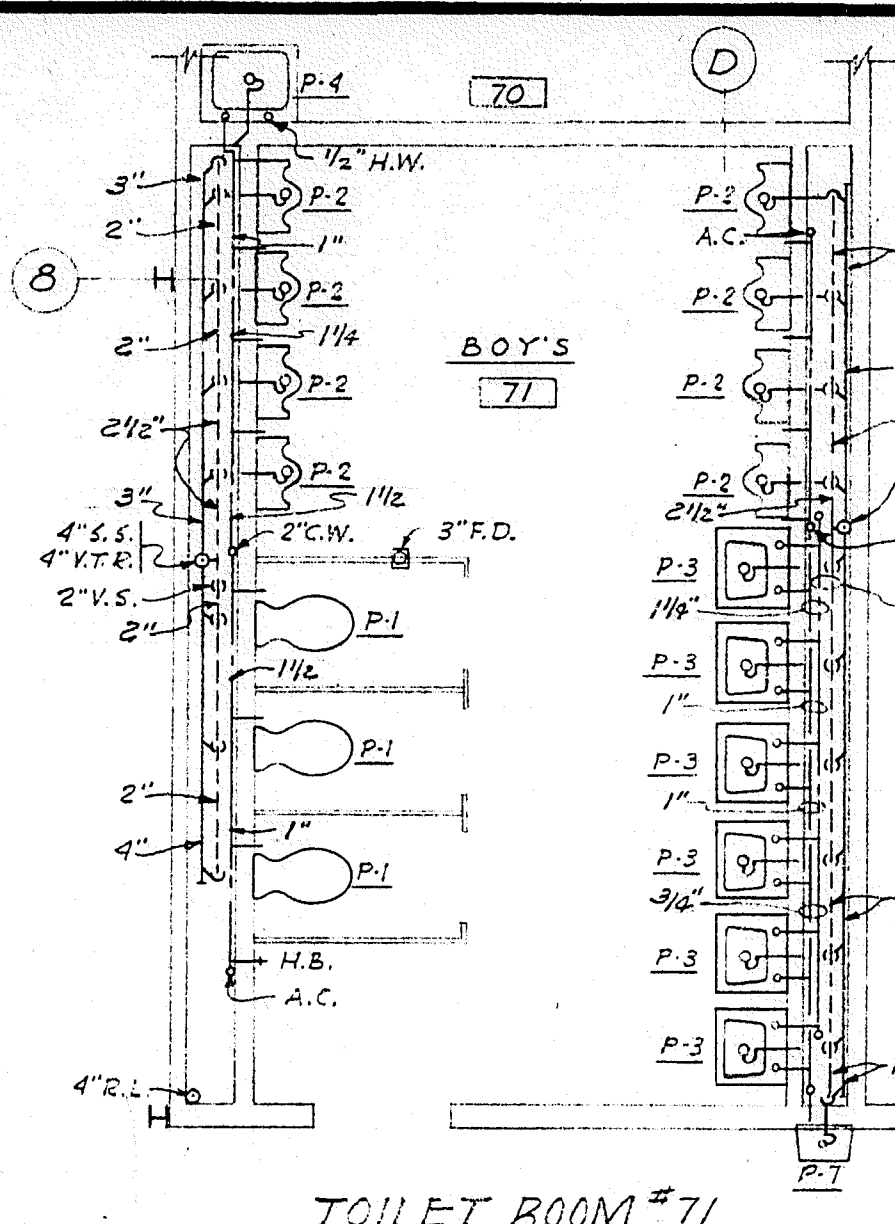
TOILET ROOMS #28 & #29  
(See Dwg. P-2)



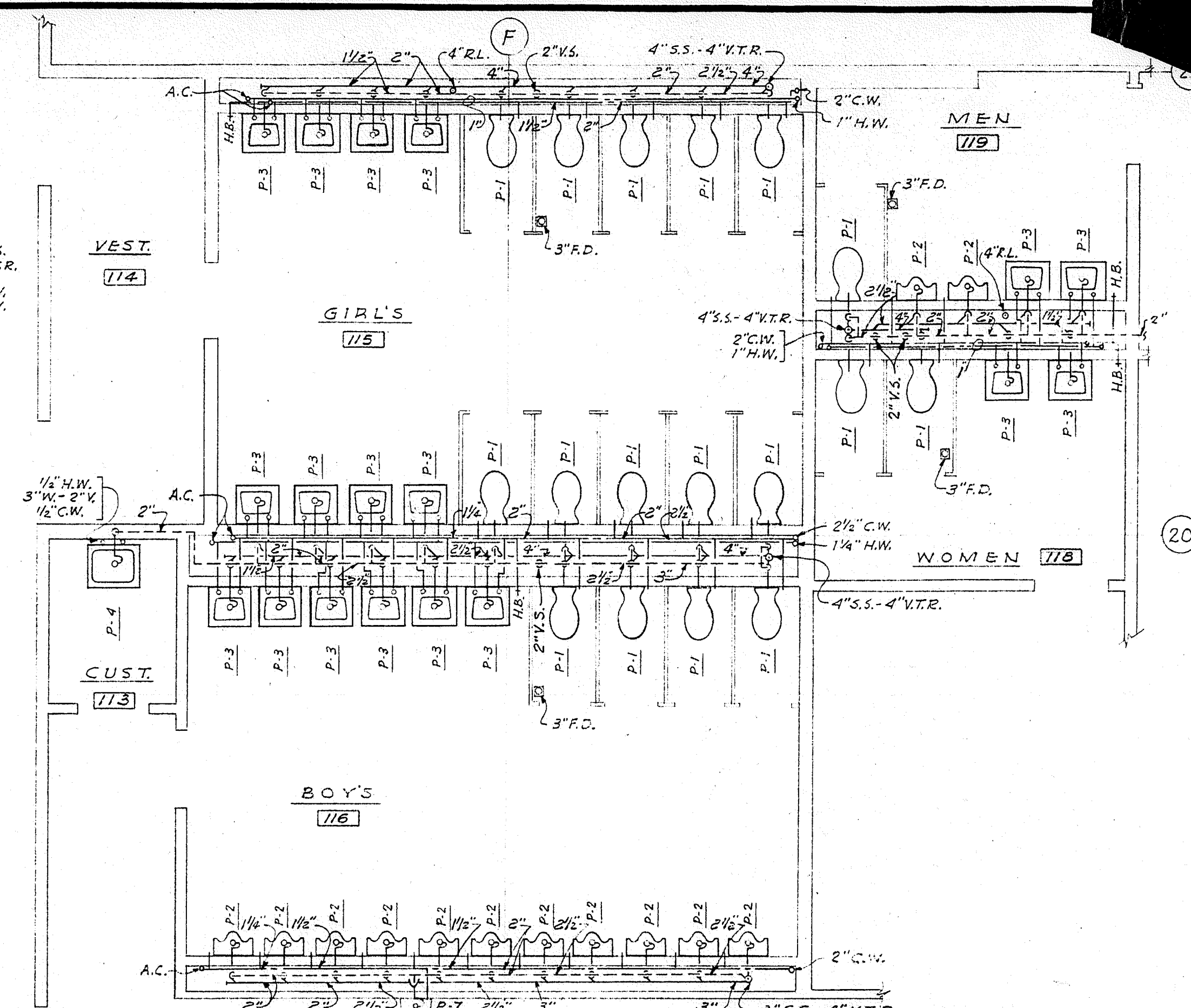
TOILET ROOMS #21 & #22  
(See Dwg. P-2)



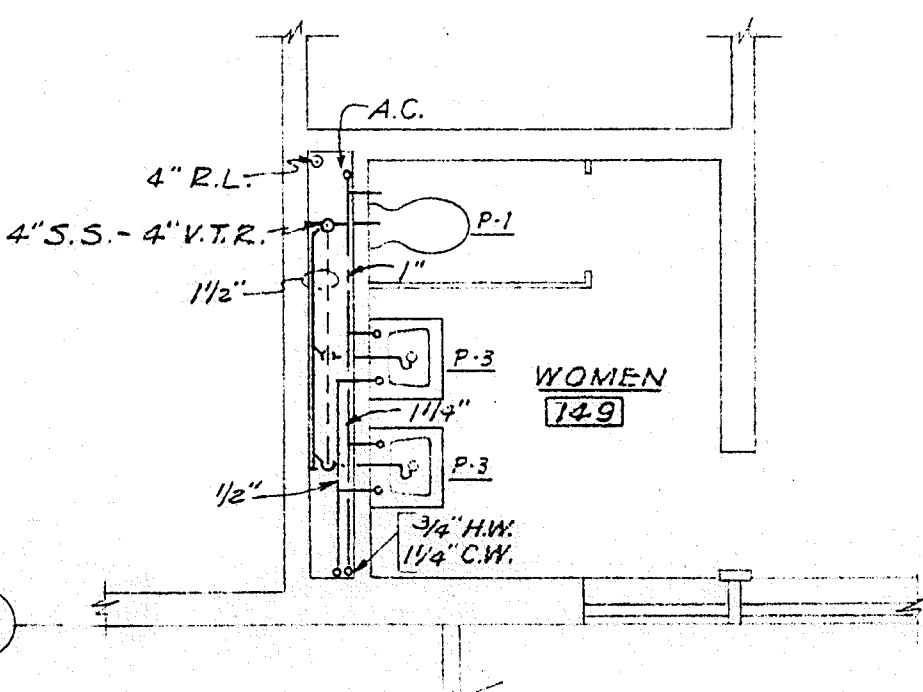
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(See Dwg. P-3)



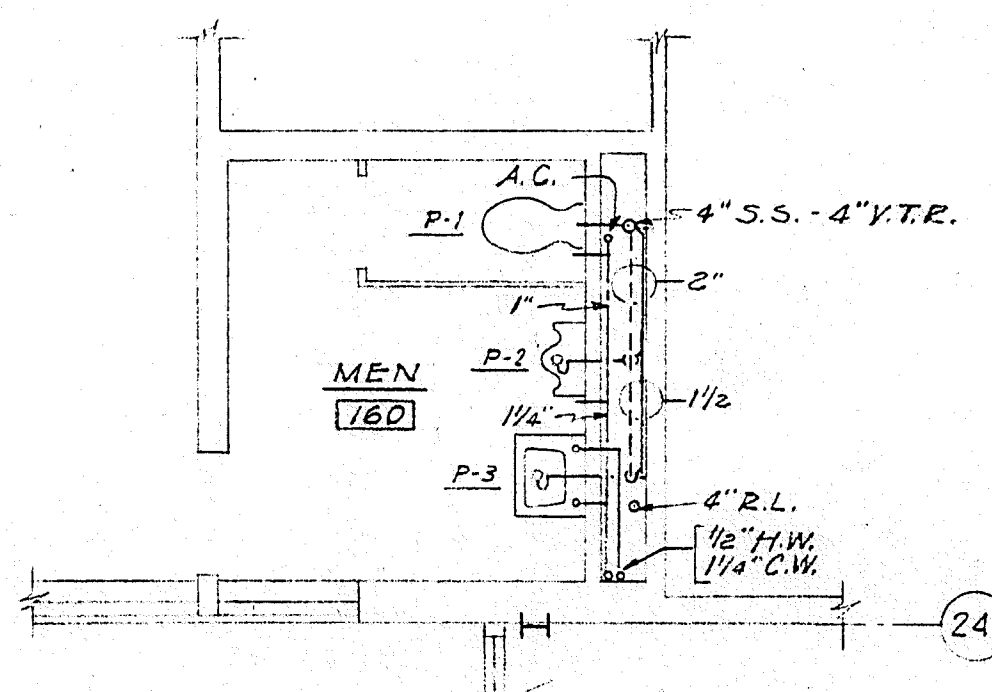
TOILET ROOM #71  
(See Dwg. P-3)



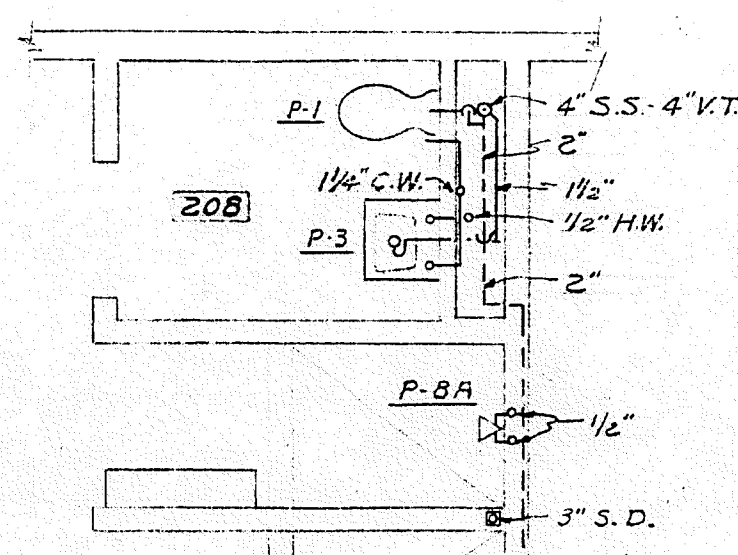
TOILET ROOMS #115, #116, #118 & #119  
(See Dwg. P-4)



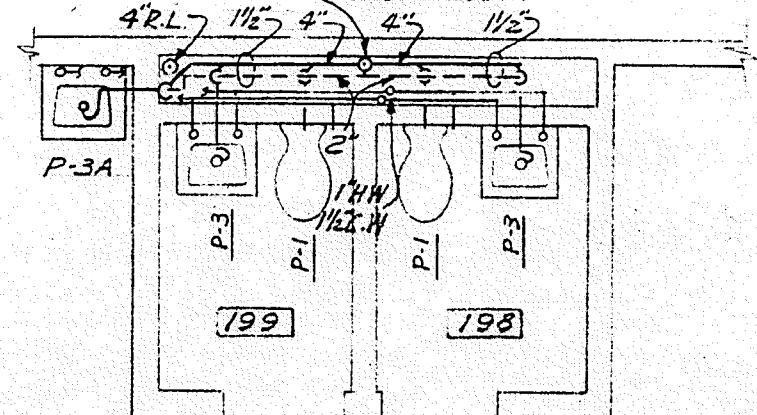
TOILET ROOM #149  
(See Dwg. P-4)



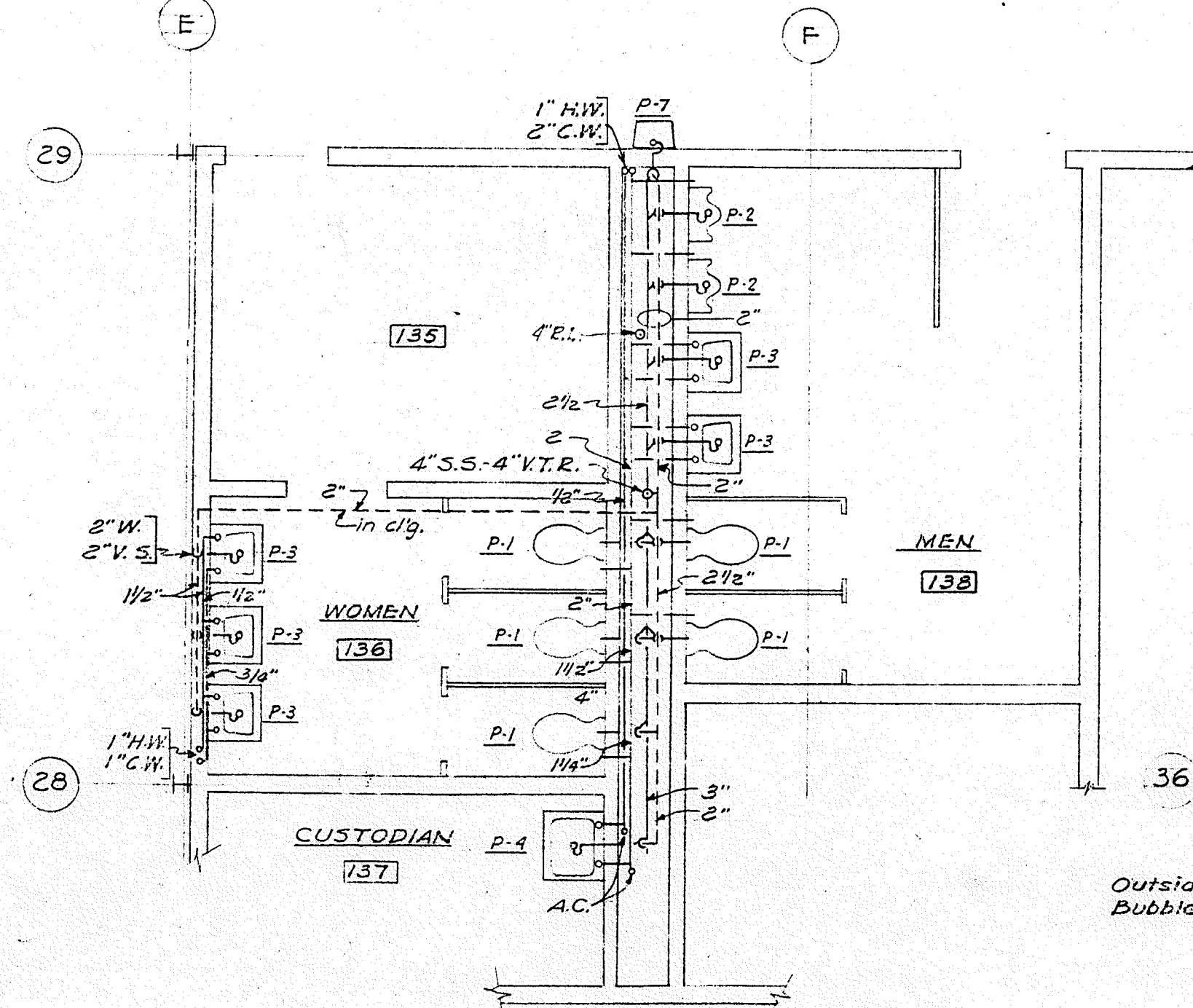
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(See Dwg. P-4)



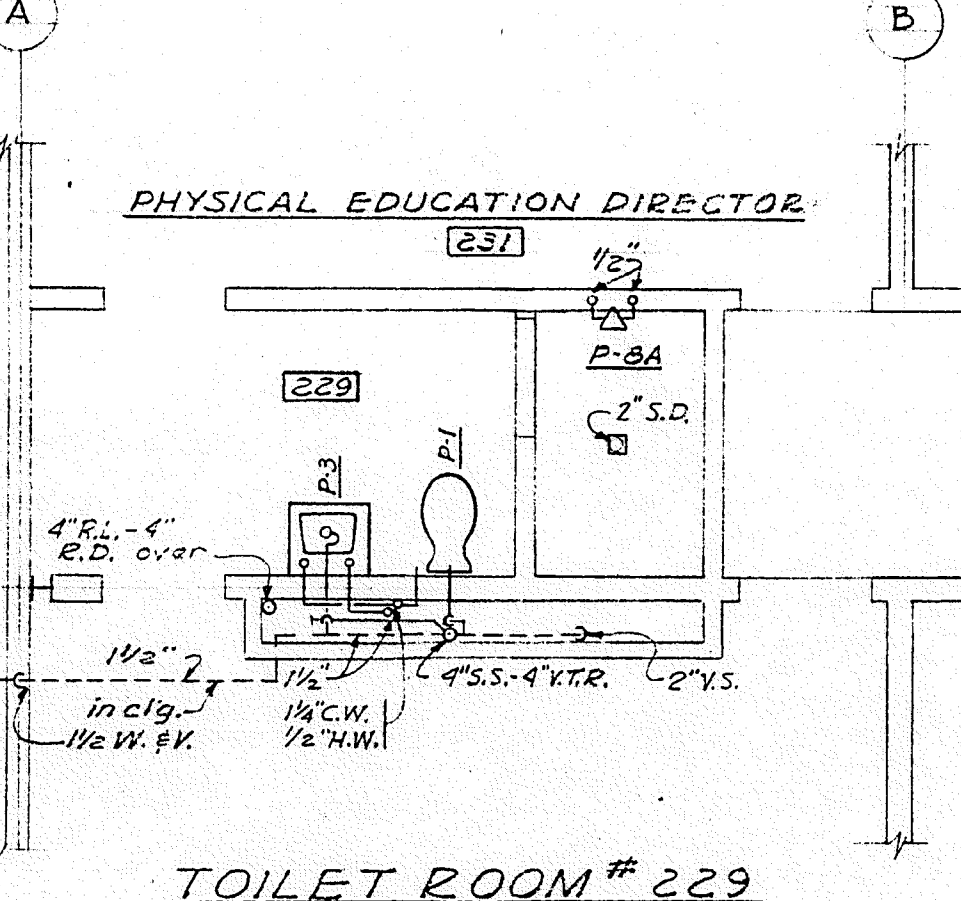
TOILET ROOM #208  
(See Dwg. P-5)



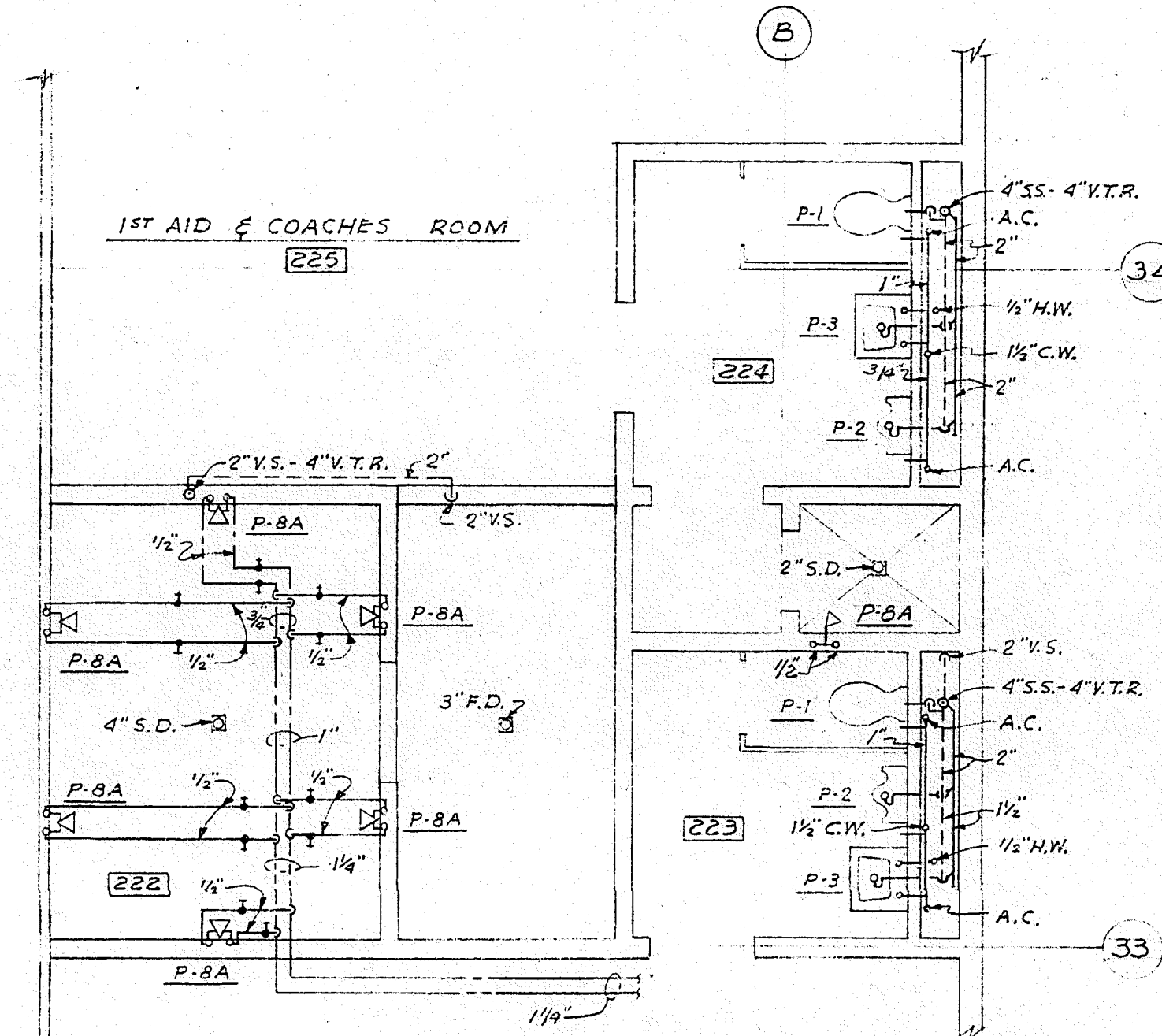
TOILET ROOMS #198 & #199  
(See Dwg. P-5)



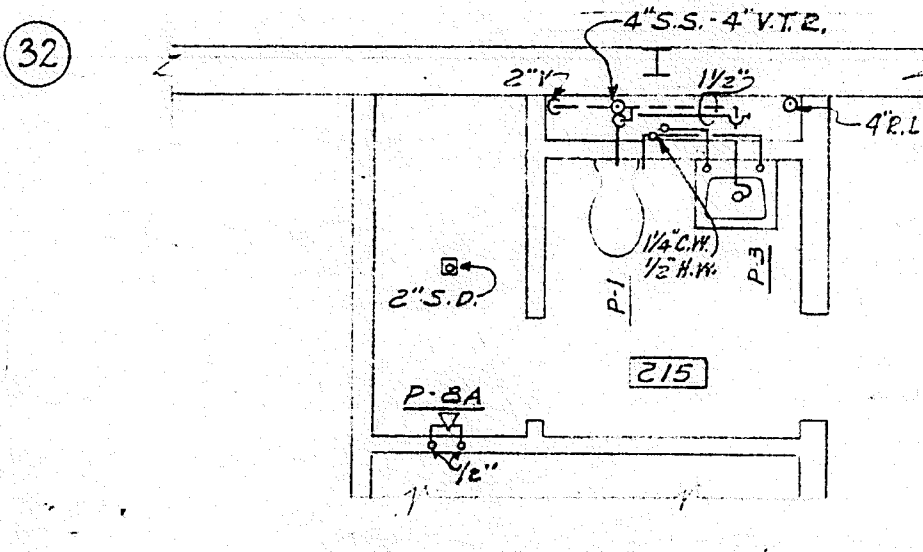
TOILET ROOMS #136 & #138  
(See Dwg. P-4)



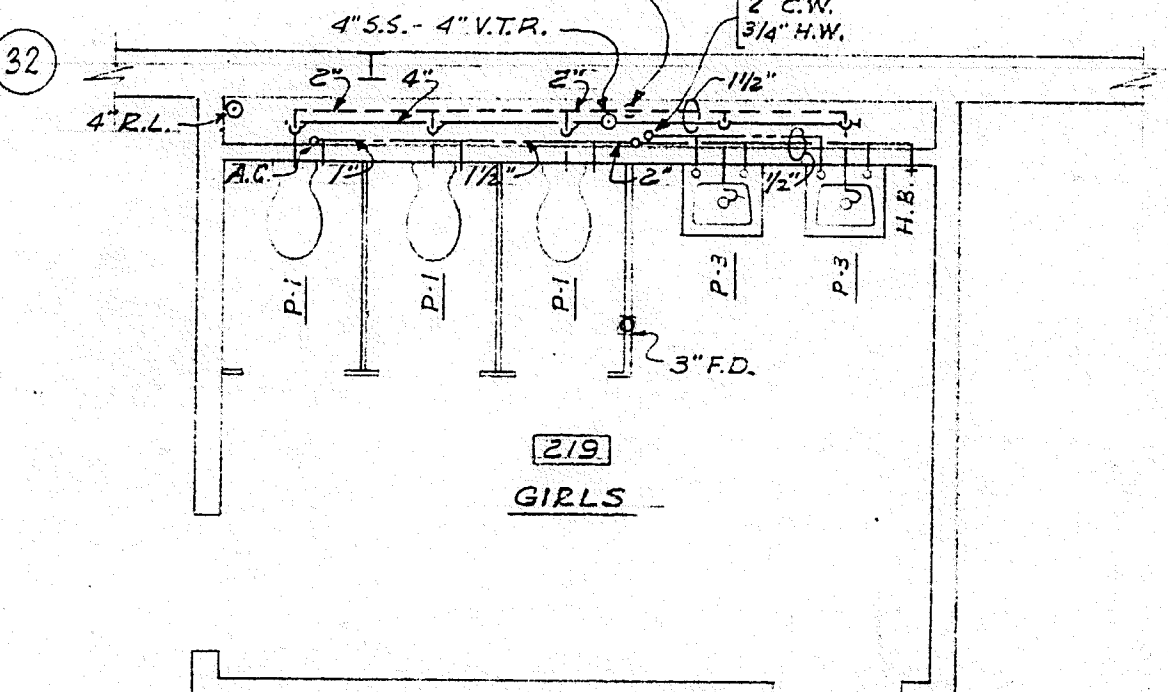
TOILET ROOM #229  
(See Dwg. P-5)



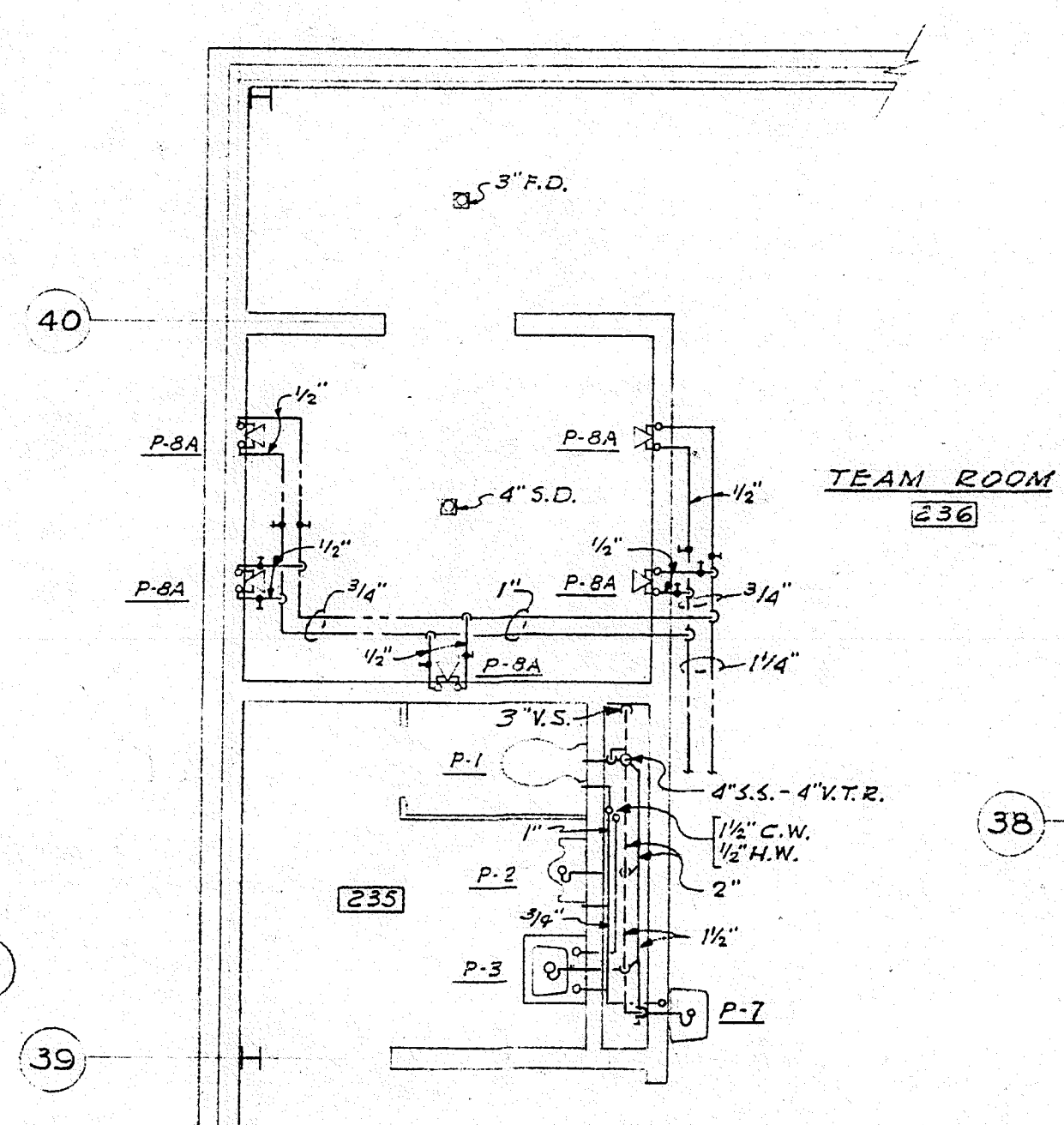
TOILET ROOMS #223 & #224  
(See Dwg. P-5)



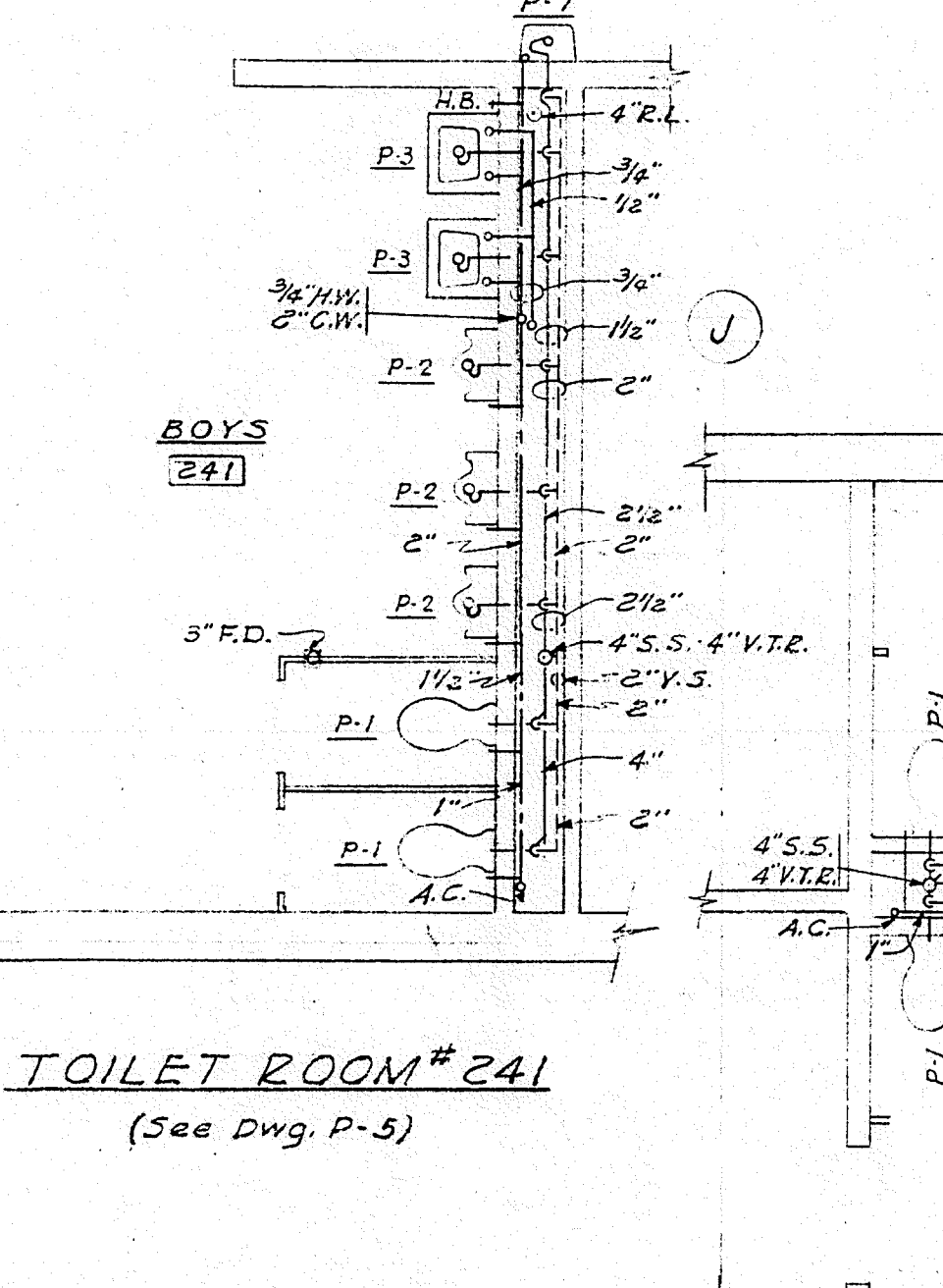
TOILET ROOM #215  
(See Dwg. P-5)



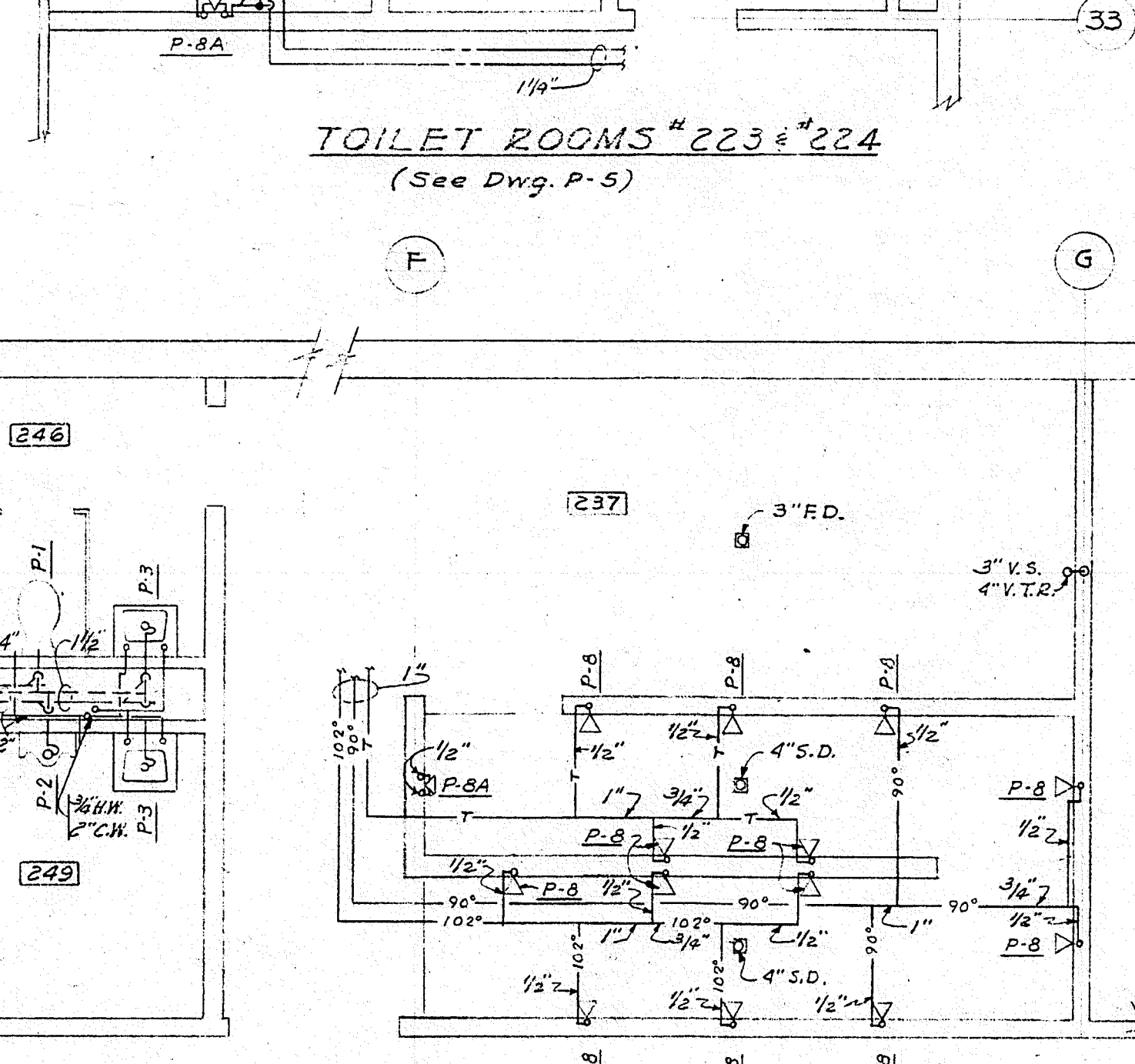
TOILET ROOM #219  
(See Dwg. P-5)



TOILET ROOM #235  
(See Dwg. P-5)

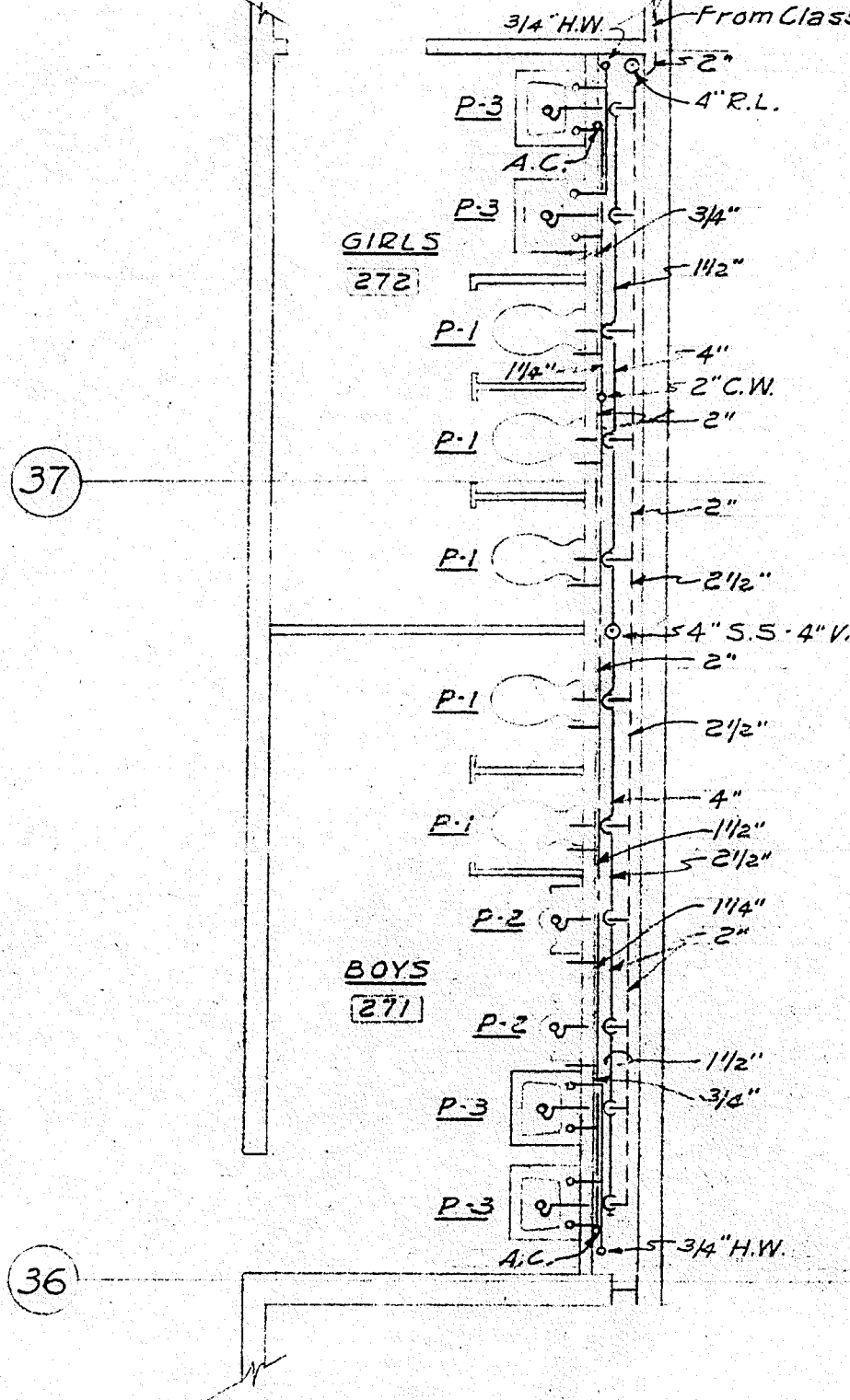


TOILET ROOM #241  
(See Dwg. P-5)

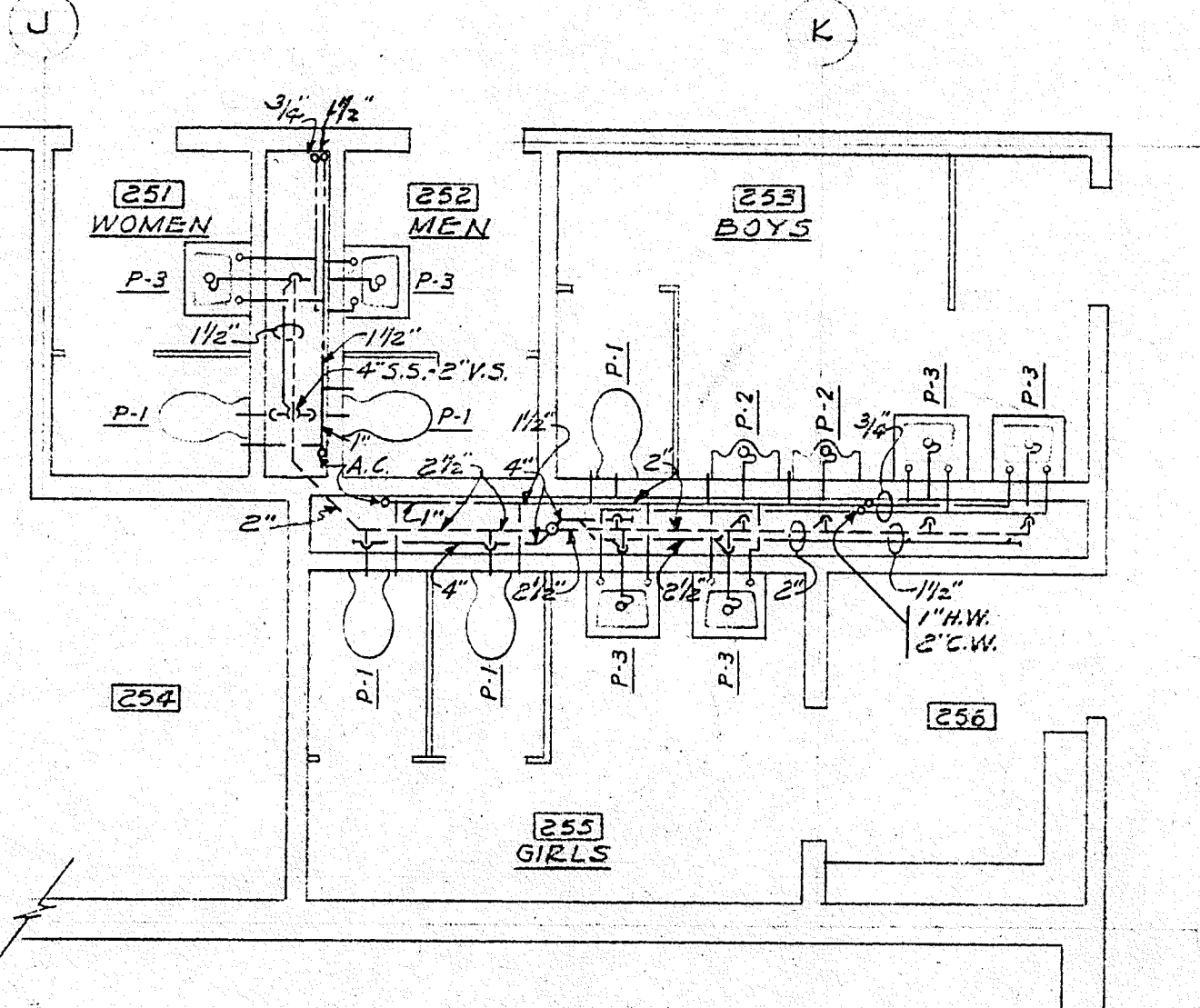


TOILET ROOMS #246 & #249  
(See Dwg. P-5)

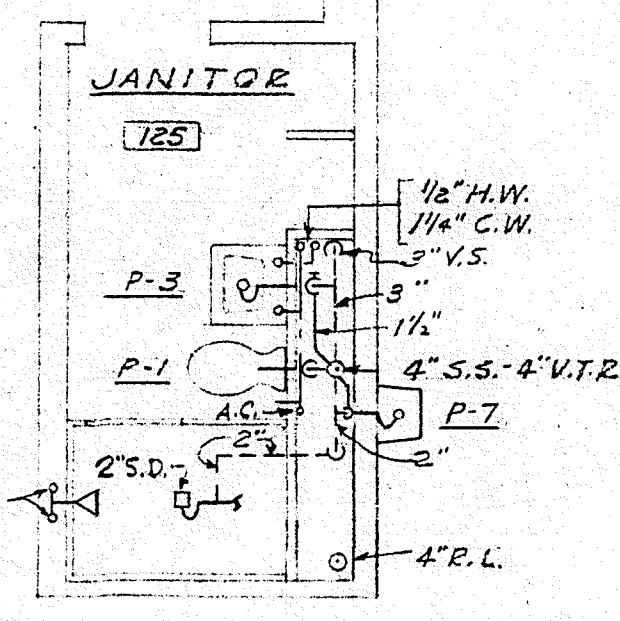
SHOWER ROOM #237  
(See Dwg. P-5)



TOILET ROOMS #271 & #272  
(See Dwg. P-5)



TOILET ROOMS #251, #252, #253 & #255  
(See Dwg. P-5)



TOILET ROOM #125  
(See Dwg. P-6)

**TOILET RM. PLANS**

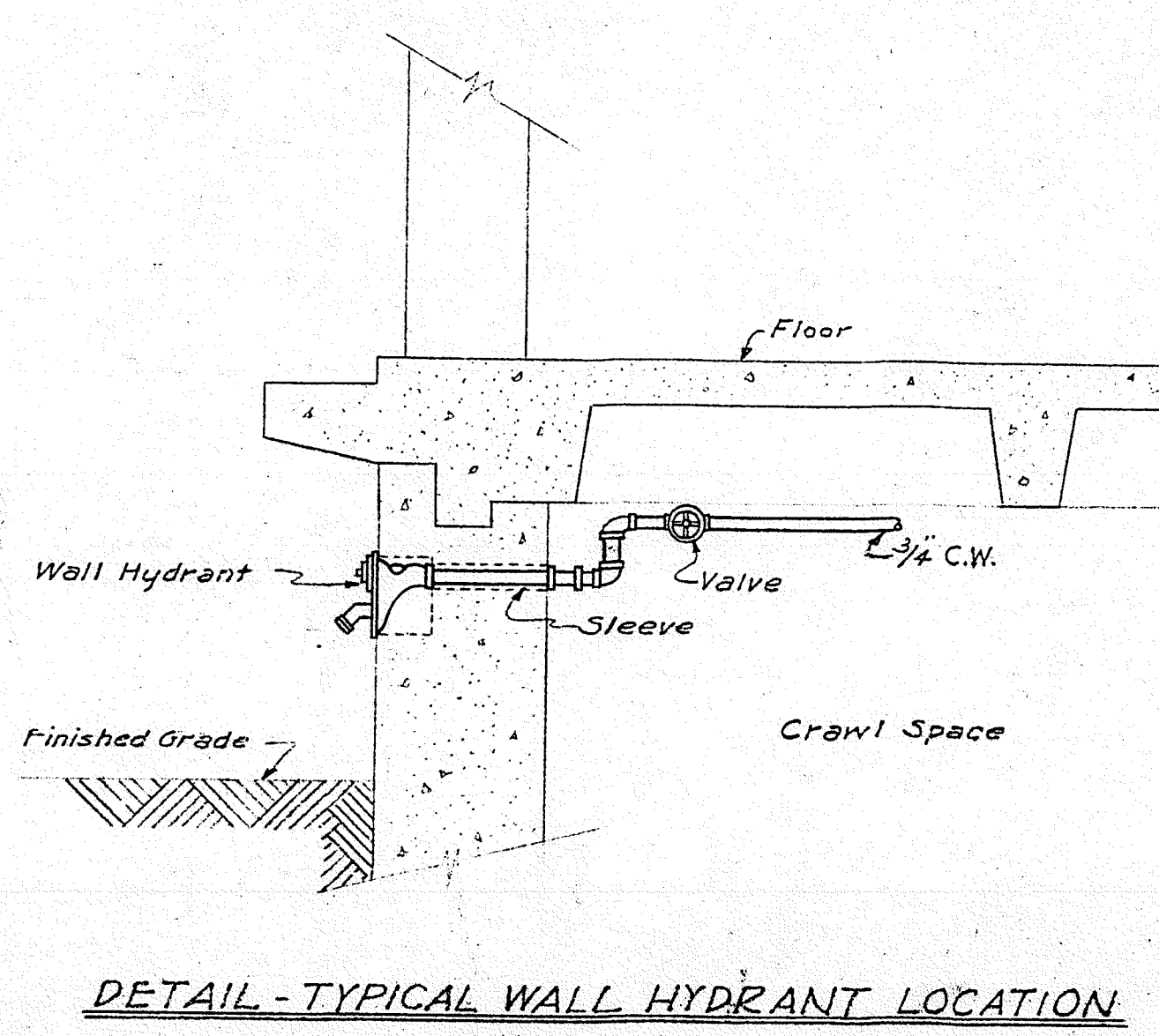
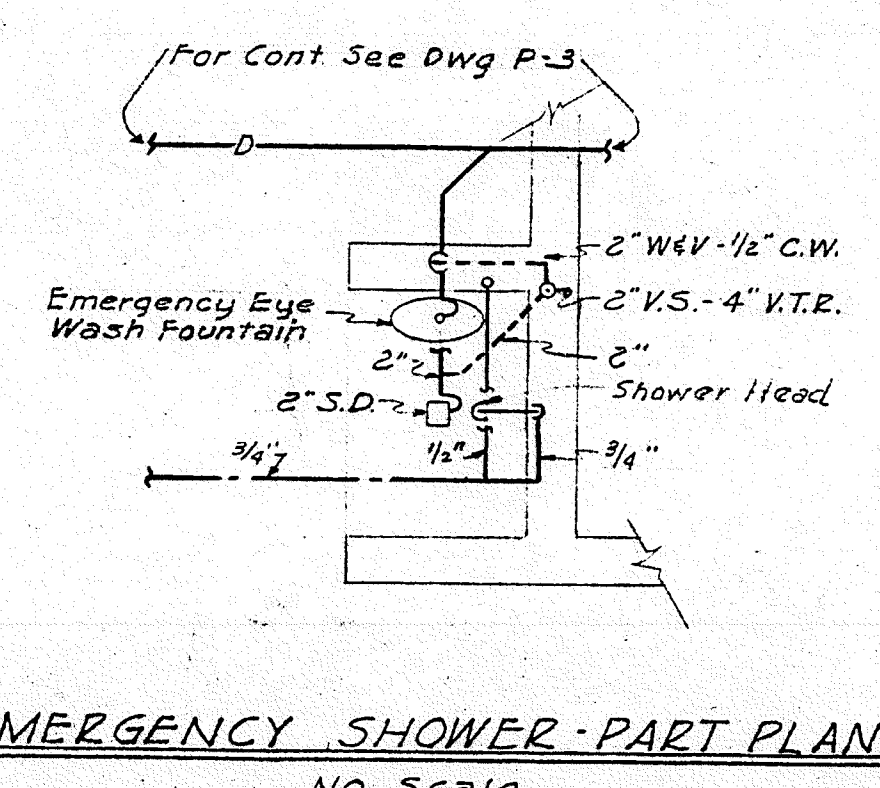
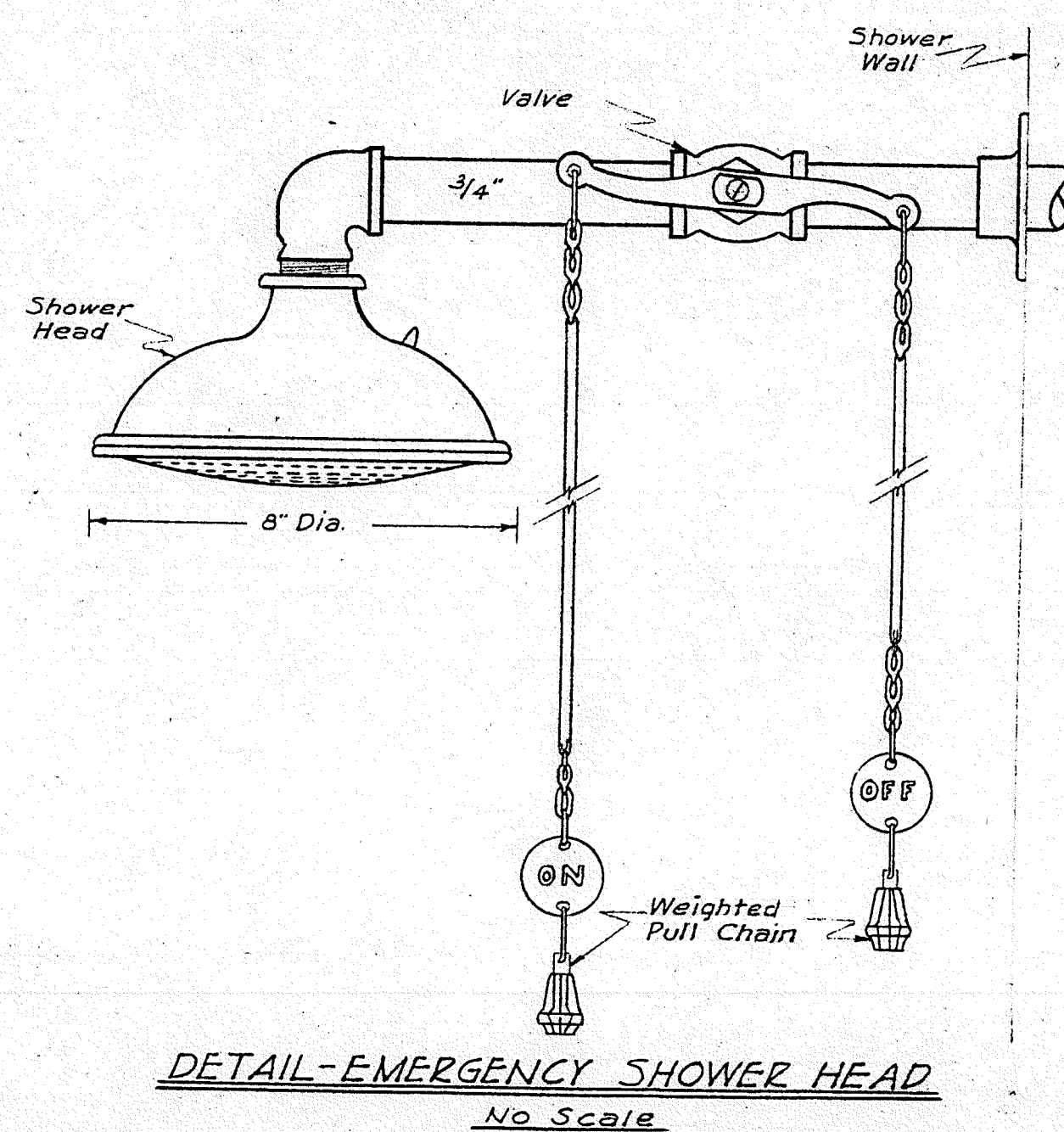
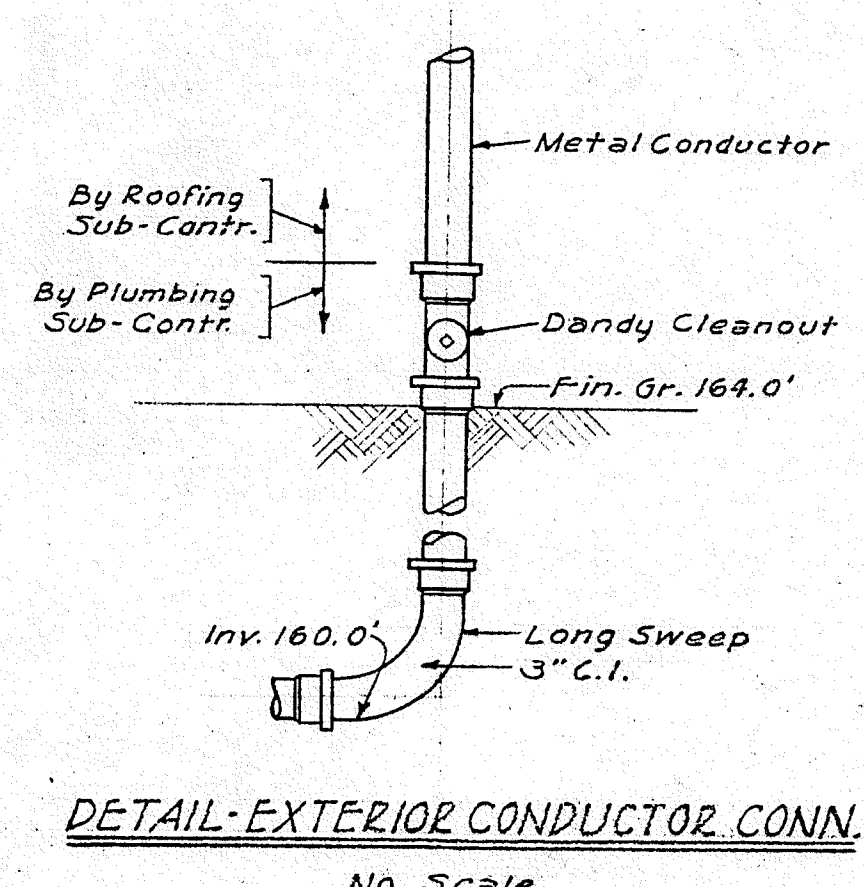
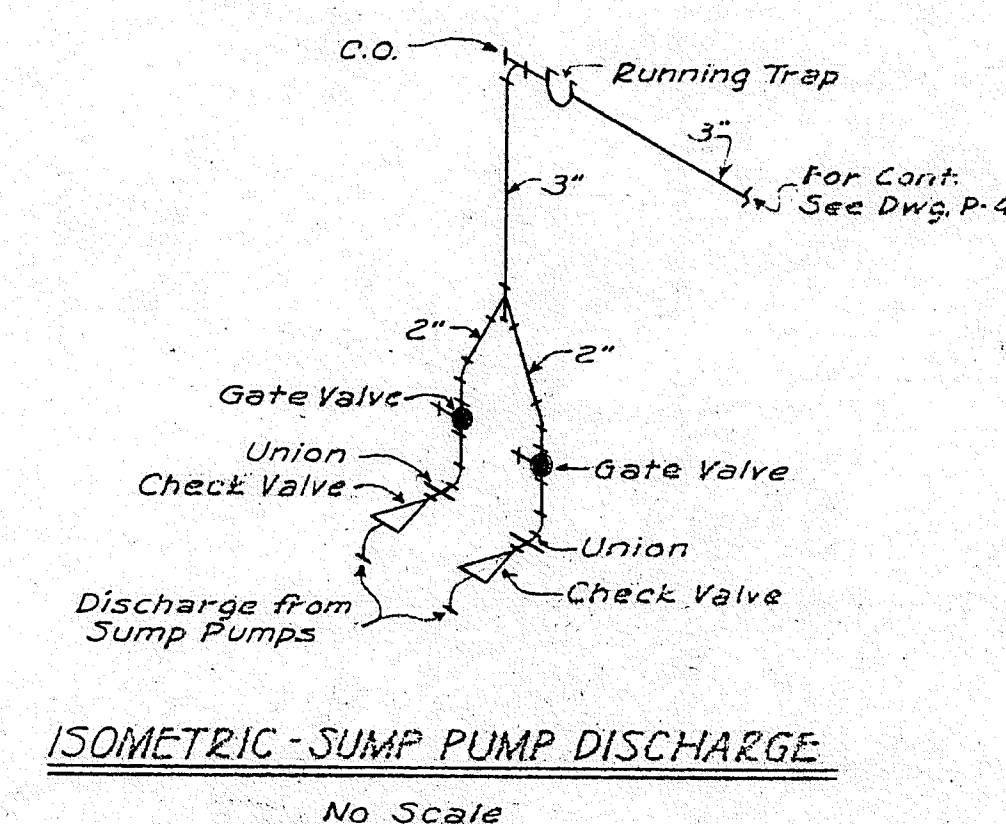
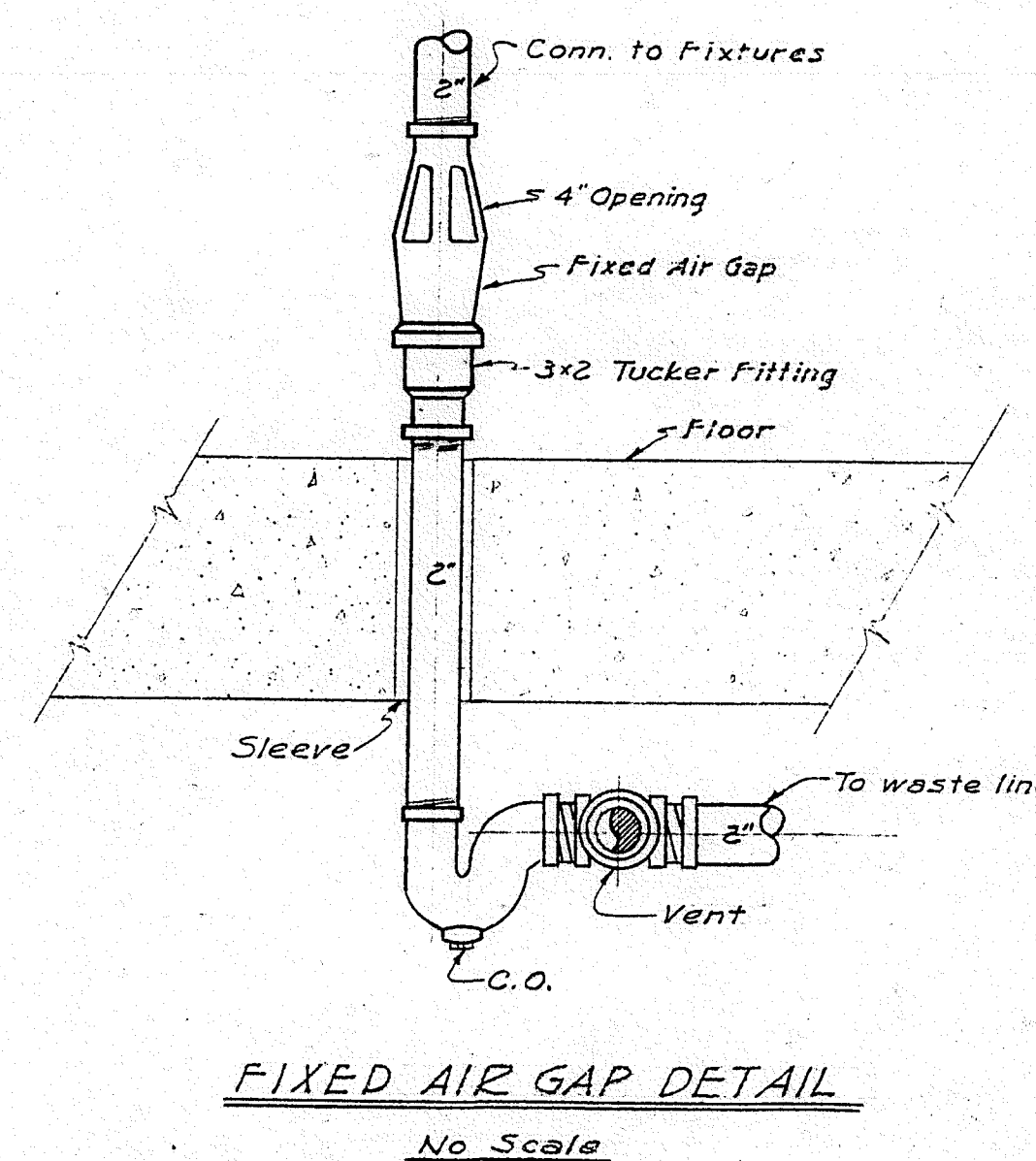
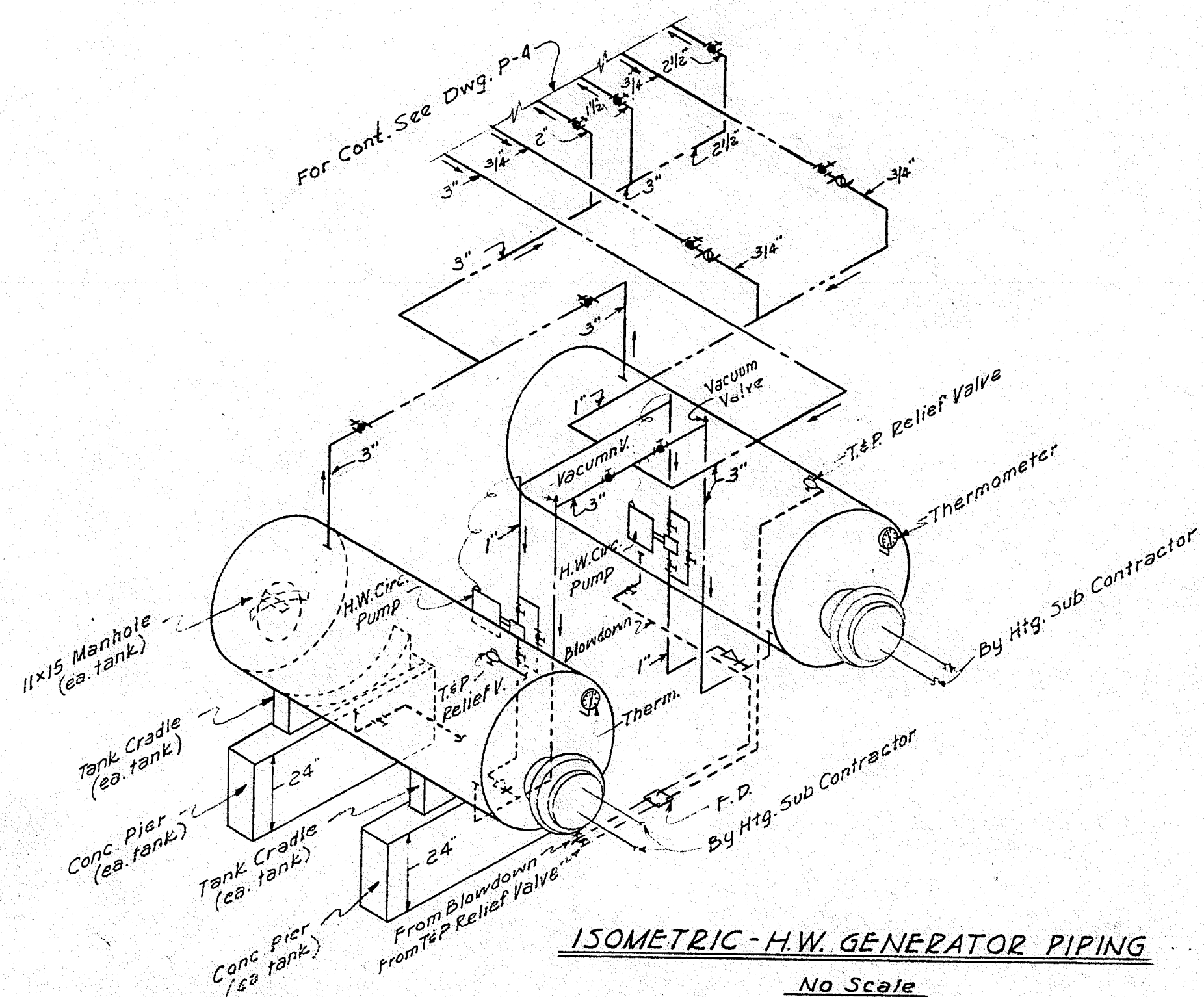
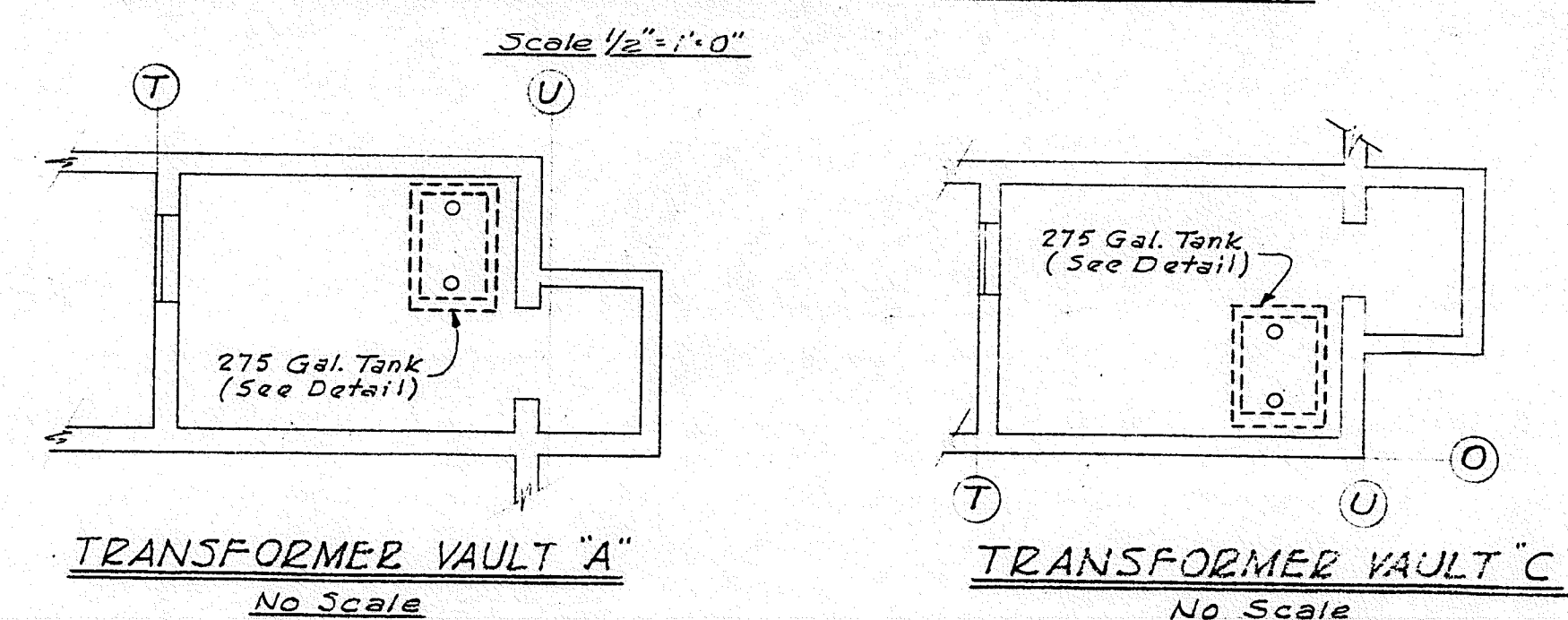
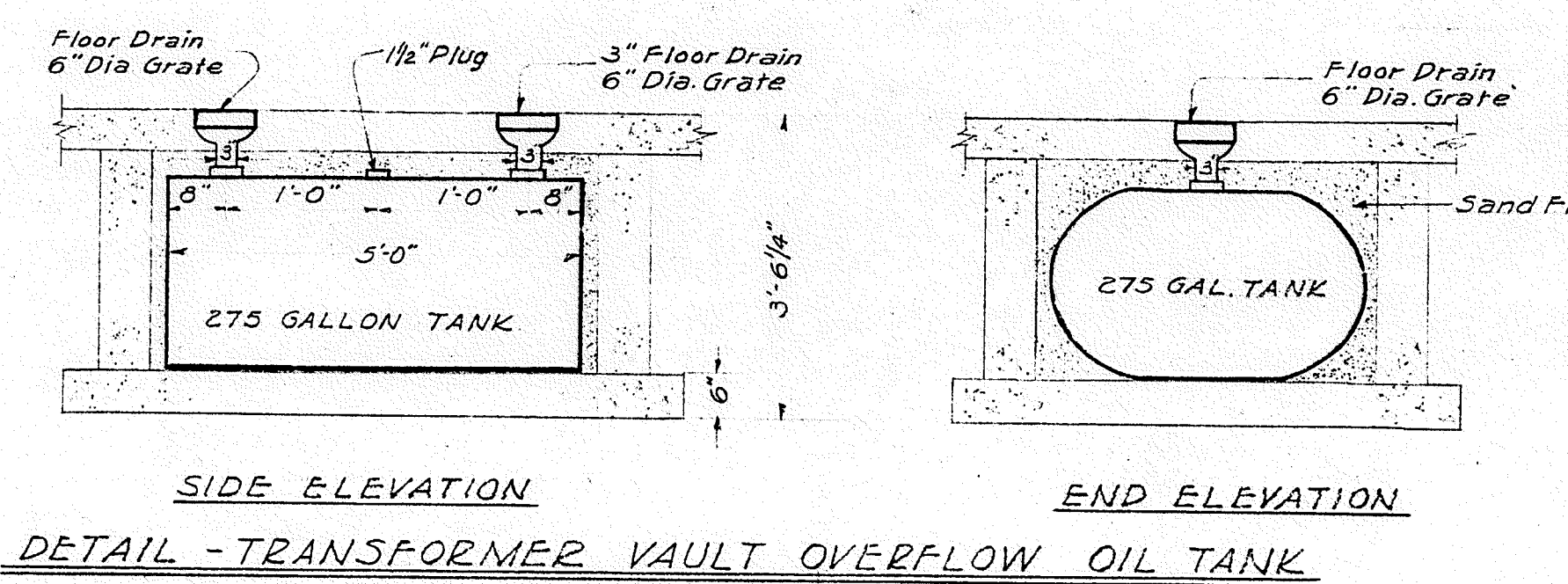
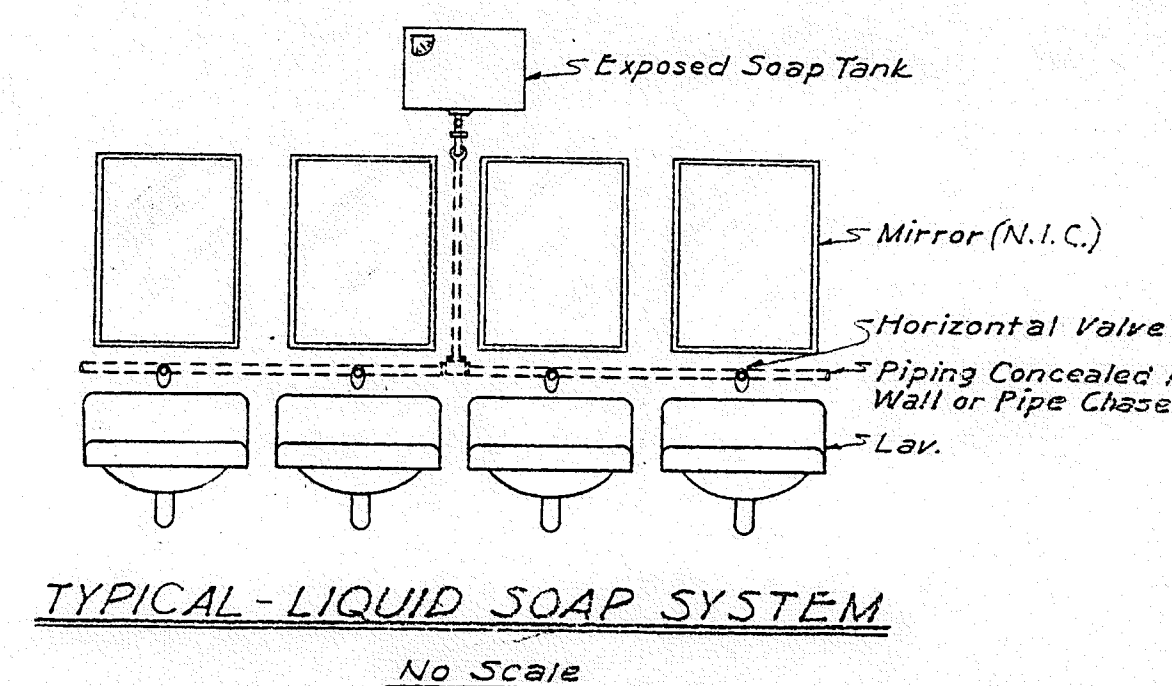
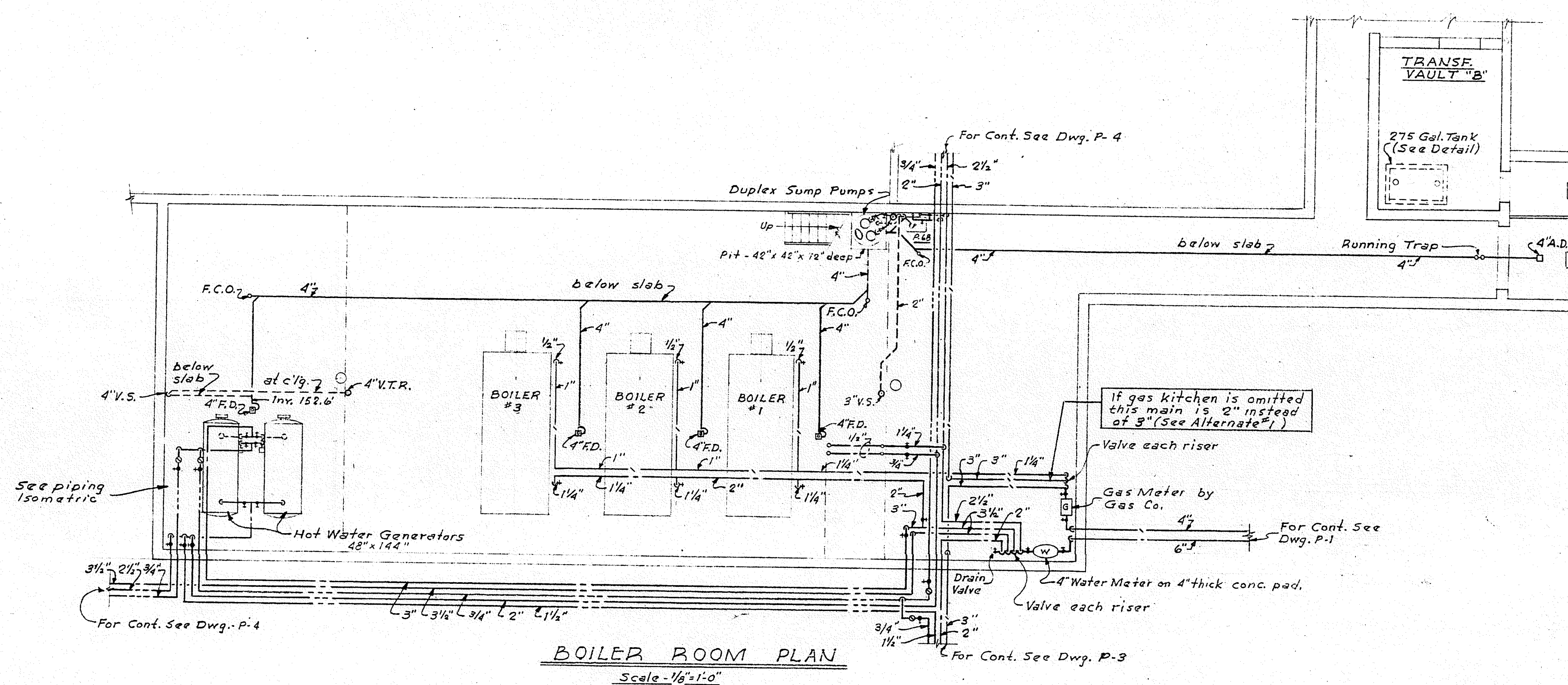
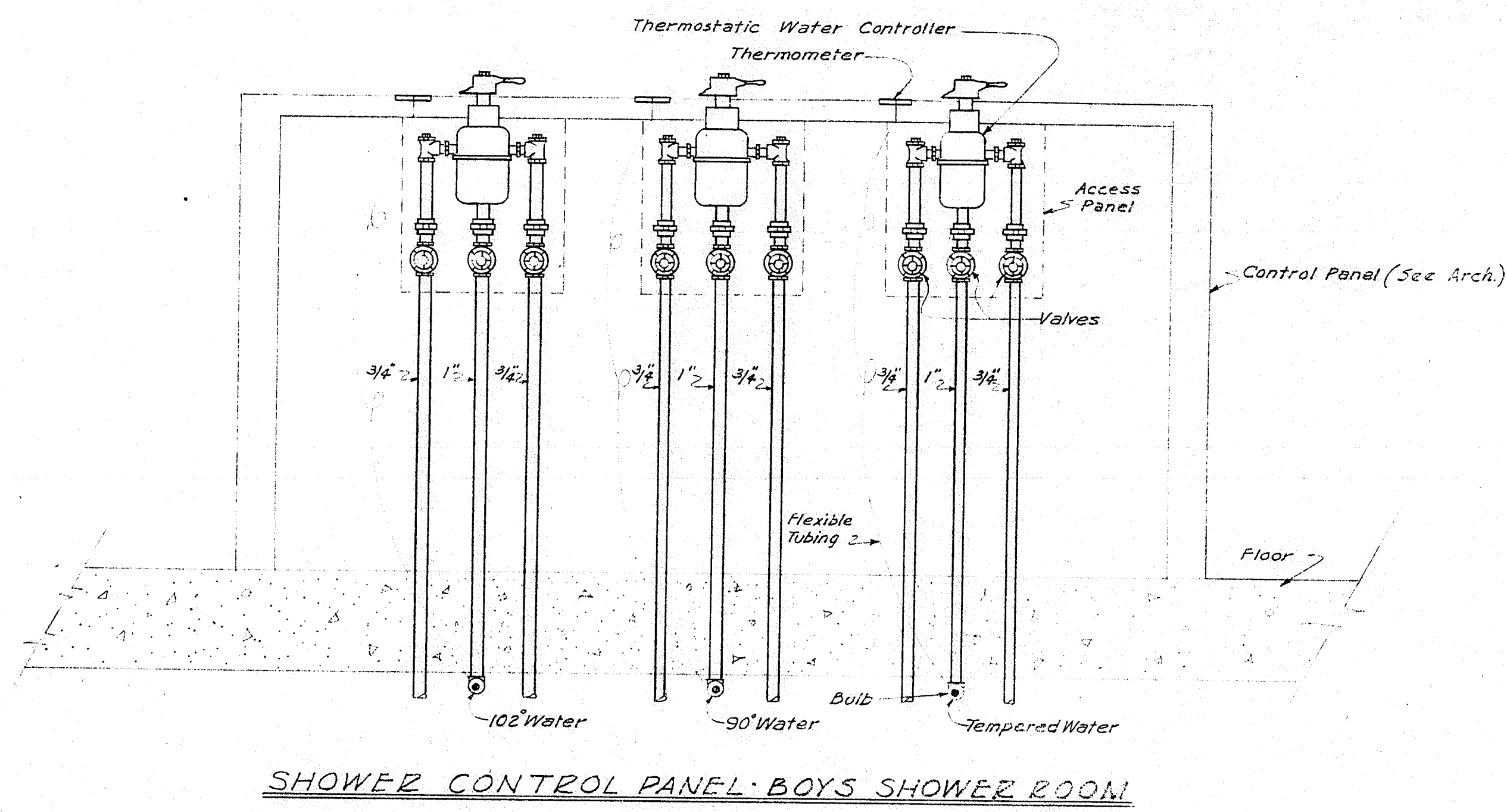
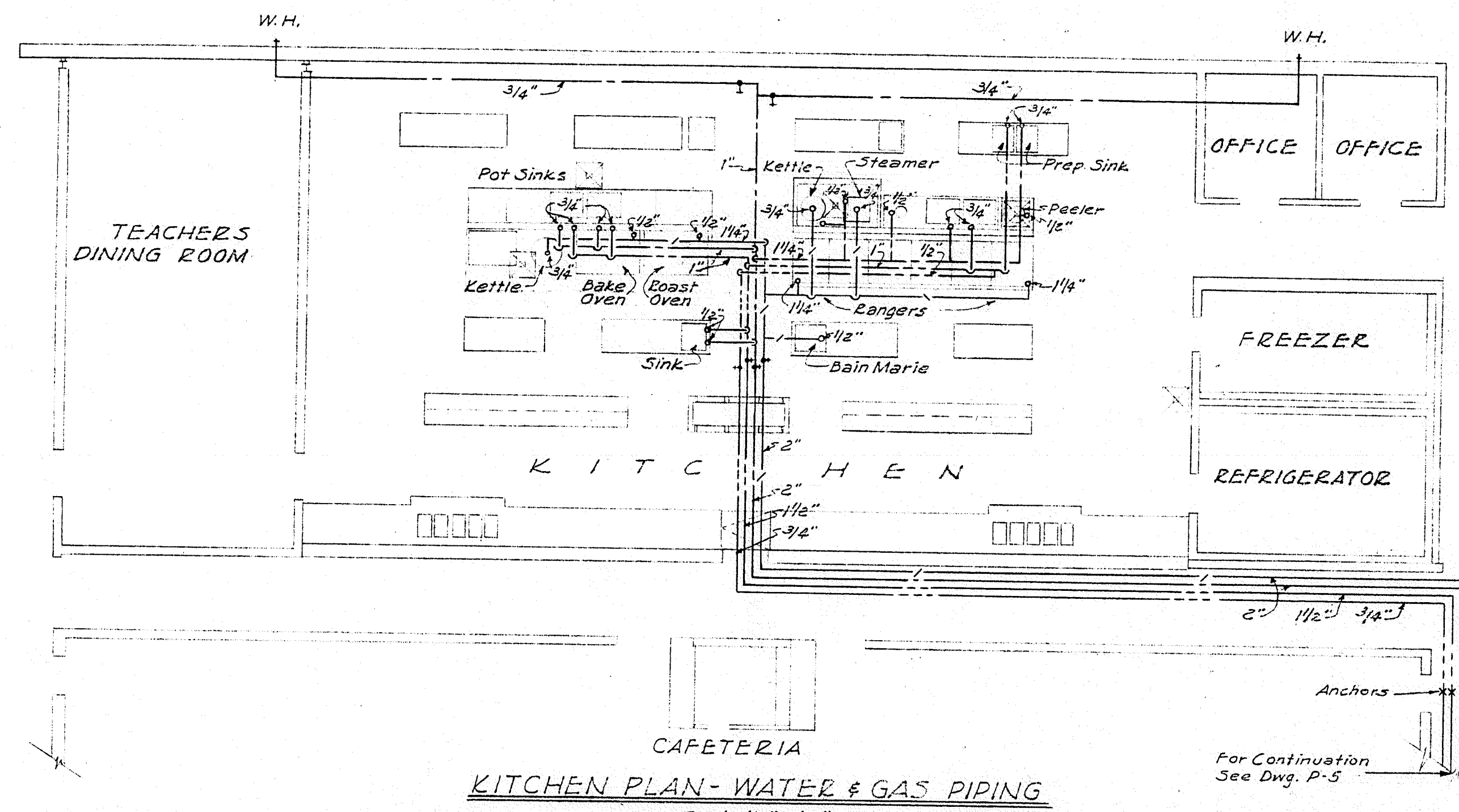
FRAMINGHAM HIGH SCHOOL  
FLAGG DRIVE  
FRAMINGHAM, MASSACHUSETTS

SAMUEL GLASER ASSOCIATES  
ARCHITECTS - ENGINEERS  
109 NEWBURY STREET - BOSTON - MASSACHUSETTS

J. M. McCUSKER ASSOCIATES  
CONSULTING ENGINEERS BOSTON, MASS.

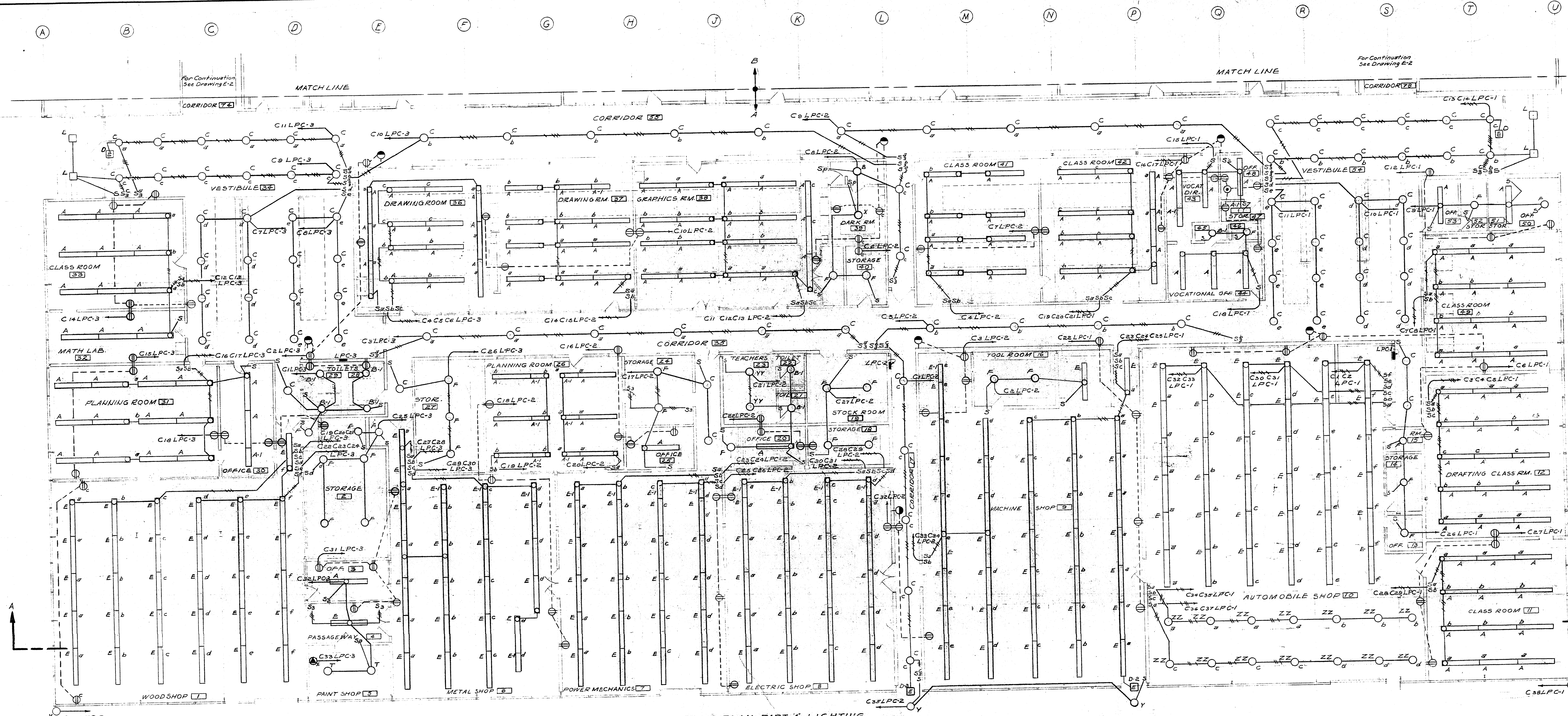
DRAWING No. **P-6**  
DRAWN BY L.F.D. DATE MAY 25, 1956 JOB No. **5608**  
CHECKED BY L.H.M. APPROVED BY J.M.



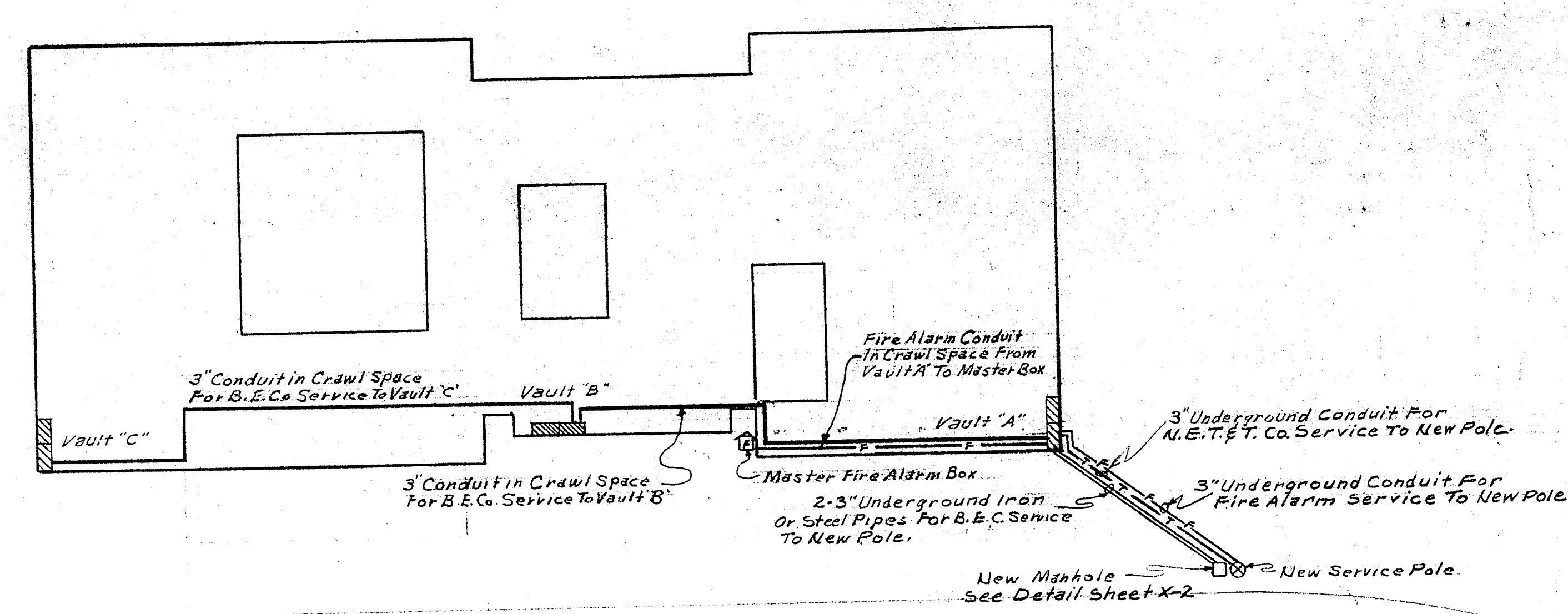


<b>BOILER ROOM &amp; KITCHEN PLANS &amp; DETAILS</b>			
	<b>FRAMINGHAM HIGH SCHOOL</b> FLAGG DRIVE FRAMINGHAM, MASSACHUSETTS <b>SAMUEL GLASER ASSOCIATES</b> ARCHITECTS • ENGINEERS 108 NEWBURY STREET • BOSTON • MASSACHUSETTS		
	<b>J.M. McCusker Associates</b> CONSULTING ENGINEERS, BOSTON, MASS.		
DRAWN BY L.F.D. CHECKED BY L.H.M.	DATE MAY 25, 1956 APPROVED BY J.M.	JOB No. <b>5608</b>	DRAWING No. <b>P7</b>





FLOOR PLAN - PART A LIGHTING  
Scale: 1/4" = 1'-0"



LOCATION OF UTILITY SERVICES  
Scale: 1/4" = 1'-0"

- |  |  |   |
|--|--|---|
| <ul style="list-style-type: none"> <li>— EMT Concealed in Ceiling or Wall.</li> <li>- - - Conduit Concealed in Slab</li> <li>— EMT Run Exposed</li> <li>- - - Conduit or EMT Turning Up</li> <li>- - - Conduit or EMT Turning Down</li> <li>— Home Run to Panelboard Hash Marks Indicate No. of Circuits</li> <li>— Ceiling Outlet - Letter Designates Type of Fixture</li> <li>— Wall Outlet</li> <li>— 8'-0" Fluorescent Channel - 4-48 Lamps</li> <li>— 4'-0" Fluorescent Fixture - 2-48 Lamps</li> <li>— Junction Box</li> <li>— Duplex Receptacles Mtd. On Eitchen Work Table</li> <li>— Duplex Receptacles Mtd. 18" Above Finished Floor</li> <li>— Duplex Receptacles Mtd. 6" Above Counter Tops</li> <li>— Thermostat</li> </ul> | <ul style="list-style-type: none"> <li>⊙ Motor, Numerals Indicate H.P.</li> <li>⊠ Motor Control Equipment</li> <li>⊞ Motor Disconnect Switch</li> <li>S Single Pole Switch</li> <li>S<sub>2</sub> Double Pole Switch</li> <li>S<sub>3</sub> Three Way Switch</li> <li>S<sub>P</sub> Switch &amp; Pilot Light</li> <li>⊞ LPA Lighting Panel</li> <li>⊞ PPA Power Panel</li> <li>⊞ Emergency Battery Lighting Units with Duplex Recap.</li> <li>⊞ Conduit stub in Auditorium for Seat Lighting</li> <li>⊞ Transformer Doorbell System</li> <li>⊞ Push Button Doorbell System</li> <li>⊞ Annunciator Doorbell System</li> <li>⊞ Fire Alarm Box (Manual)</li> <li>⊞ Fire Alarm Cow Bell</li> </ul> | <ul style="list-style-type: none"> <li>⊞ Outside Master Fire Alarm Box</li> <li>⊞ Automatic 165° Fire Detector Station</li> <li>⊞ Clock &amp; Clock Outlet</li> <li>⊞ Program Bell</li> <li>⊞ New England Telephone Outlet</li> <li>⊞ Yard Bell</li> <li>⊞ Trolley Duct</li> <li>⊞ Weather Proof Receptacles</li> <li>⊞ Duplex Receptacle Mtd. on Facet Platform</li> <li>⊞ Ceiling Outlet (Physics Laboratory)</li> <li>⊞ Dupli Test Scoring Machine</li> <li>⊞ Organ Outlet</li> <li>⊞ Orzold Machine</li> <li>⊞ Blueprint Machine</li> <li>⊞ Explosion Proof Outlet</li> <li>⊞ 50 Amp. Receptacles Mtd. 12" Above Finished Floor</li> <li>⊞ Location of Motor Control Equipment</li> <li>⊞ Location of Push Buttons/Pilot Light Station</li> </ul> |
|--|--|---|

**NOTE**  
No Raceway Larger Than 3/4 inch Shall be Run in The Floor Slab. All Raceway Larger Than 3/4 inch Shall be Run On The Underside of The First Floor Slab.  
Make provision for Expansion Fittings on Raceways passing through expansion joint of Building.

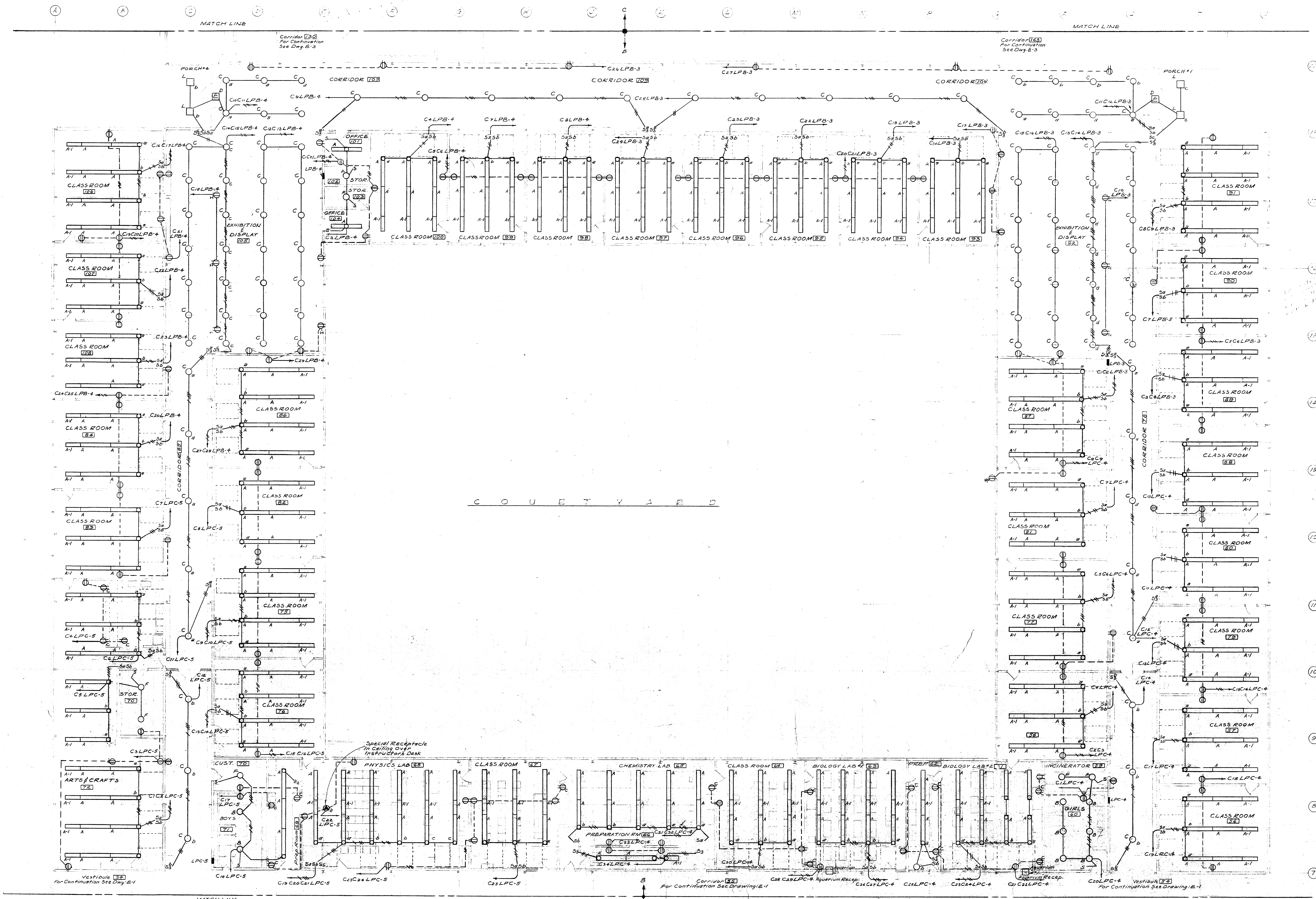
**FLOOR PLAN "A" LIGHTING**

FRAMINGHAM HIGH SCHOOL -  
FRAMINGHAM, MASSACHUSETTS

J.M. McCusker Associates  
CONSULTING ENGINEERS BOSTON, MASS.

DATE: MAY 25, 1956  
DRAWN BY: A.A.M. CHECKED BY: J.M.  
PROJECT NO. 5608 **E-1**





FLOOR PLAN PART 'B' LIGHTING  
SCALE 1/4"=0'

FLOOR PLAN 'B' LIGHTING

FRAMINGHAM HIGH SCHOOL  
FLAGG DRIVE  
FRAMINGHAM MASSACHUSETTS

SAMUEL GLASSER ASSOCIATES  
ARCHITECTS ENGINEERS

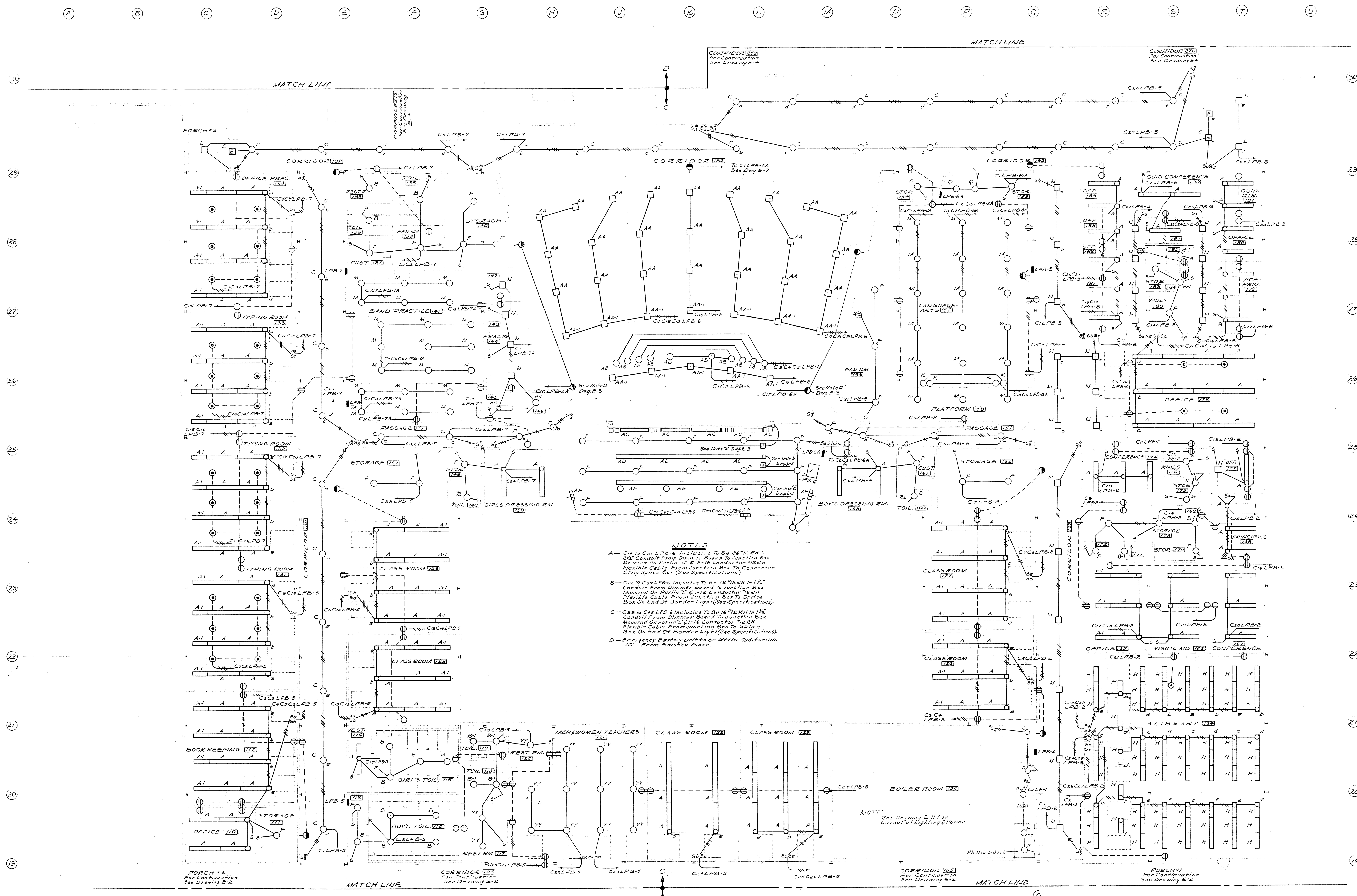
J.M. McCUSKER ASSOCIATES  
CONSULTING ENGINEERS  
BOSTON, MASS.

DRAWN BY A.A.M. DATE MAY 25, 1956

CHECKED BY G.L.

5608 E-2





- NOTES**
- A - C14 to C41 LPB's Inclusive To Be 36" TREN 1/2" Conduit From Dimmer Board To Junction Box Mounted On Parlin "L" & 2-18 Conductor 1/2" RH Flexible Cable From Junction Box To Splice Box On End Of Border Light (See Specifications).
  - B - C42 to C47 LPB's Inclusive To Be 12" TREN In 1 1/2" Conduit From Dimmer Board To Junction Box Mounted On Parlin "L" & 1-12 Conductor 1/2" RH Flexible Cable From Junction Box To Splice Box On End Of Border Light (See Specifications).
  - C - C48 to C49 LPB's Inclusive To Be 16" TREN In 1 1/2" Conduit From Dimmer Board To Junction Box Mounted On Parlin "L" & 1-16 Conductor 1/2" RH Flexible Cable From Junction Box To Splice Box On End Of Border Light (See Specifications).
  - D - Emergency Battery Unit to be 10' in Auditorium 10' From Finished Floor.

NOTE: See Drawing E-11 For Layout Of Lighting & Power.

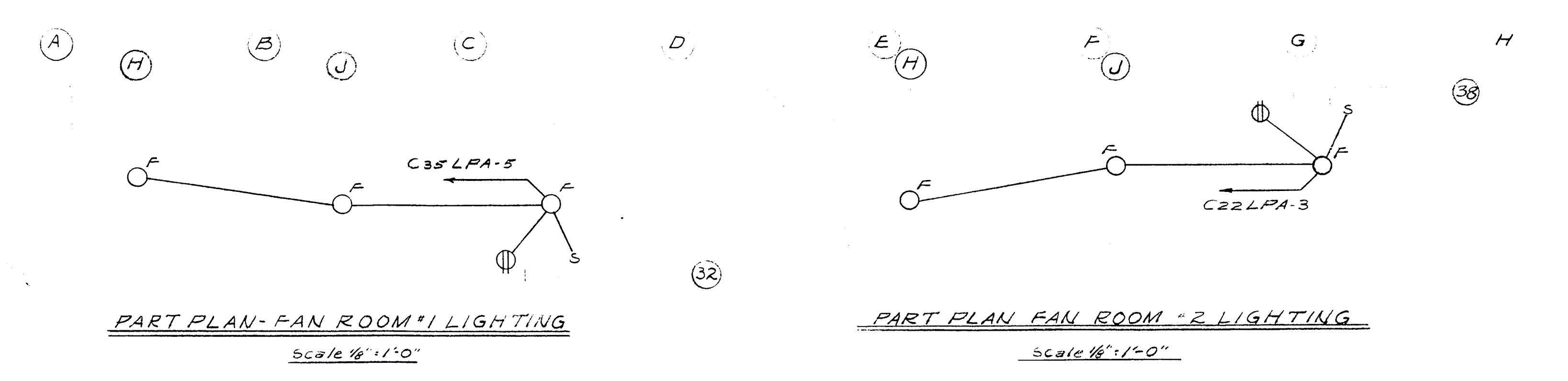
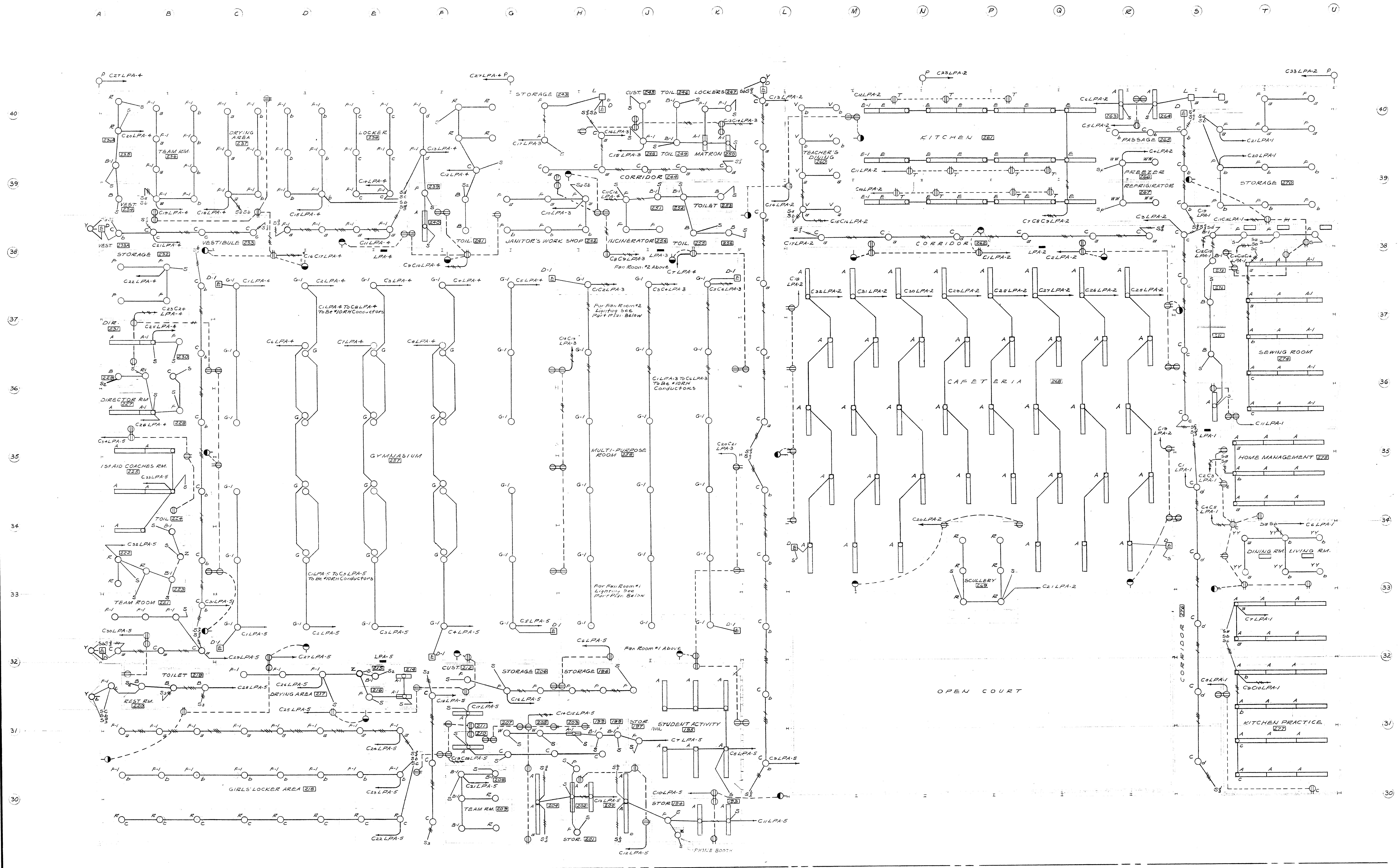
FLOOR PLAN "C" LIGHTING  
Scale 1/8" = 1'-0"

FLOOR PLAN "C" LIGHTING  
FRAMINGHAM HIGH SCHOOL  
FLAGG DRIVE  
FRAMINGHAM, MASSACHUSETTS

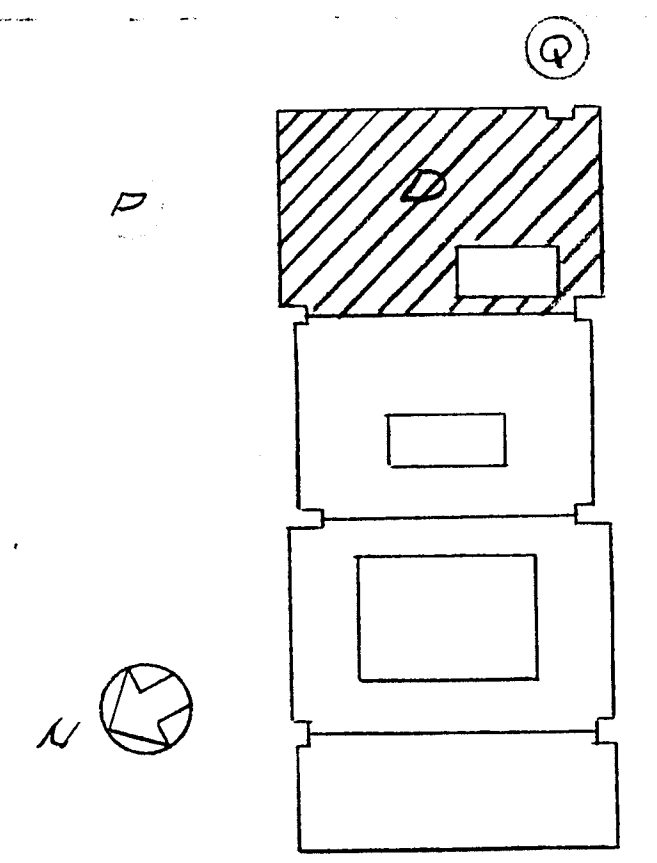
J.M. McCUSKER ASSOCIATES  
CONSULTING ENGINEERS, BOSTON, MASS.  
G.L.C. MAY 25 1956  
E.J.K. J.M.  
5608







FLOOR PLAN - PART D LIGHTING  
Scale 1/8" = 1'-0"



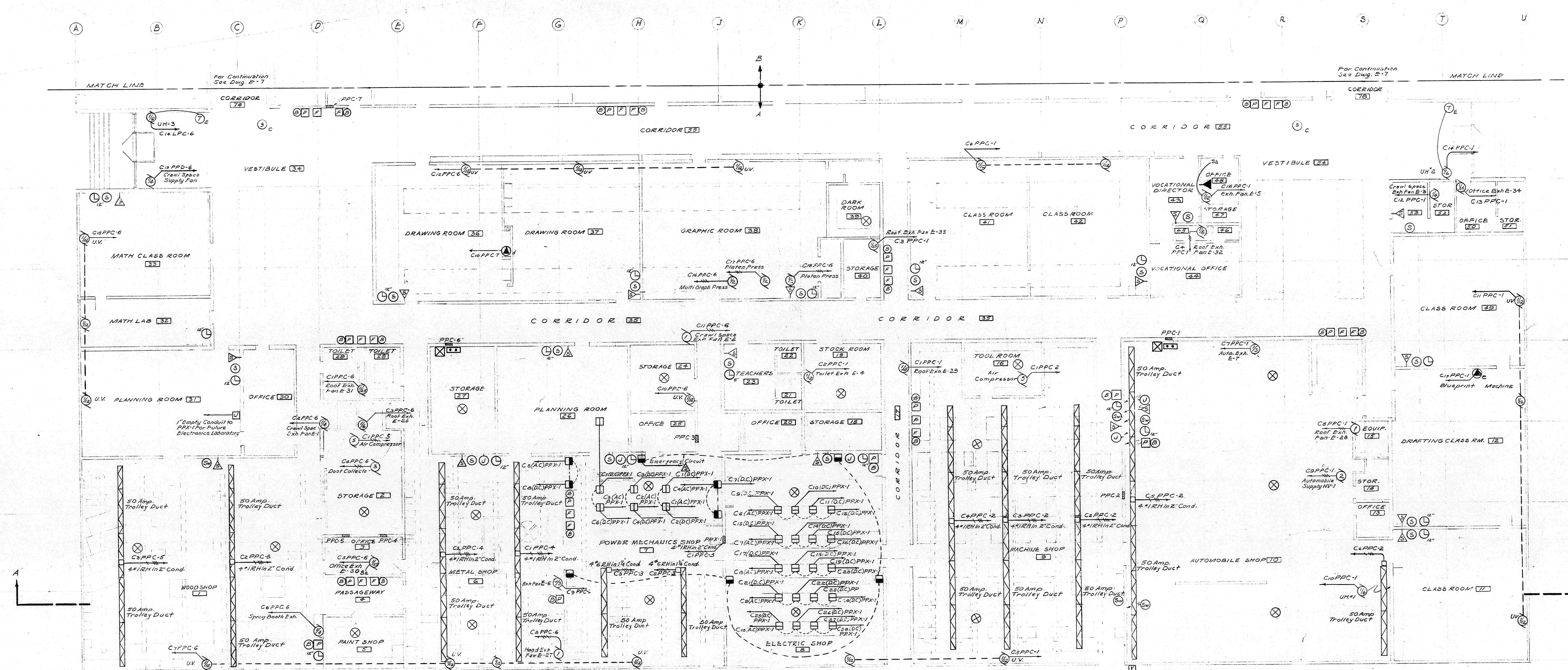
**FLOOR PLAN LIGHTING**

FRAMINGHAM HIGH SCHOOL  
FLAGG DRIVE  
FRAMINGHAM, MASSACHUSETTS

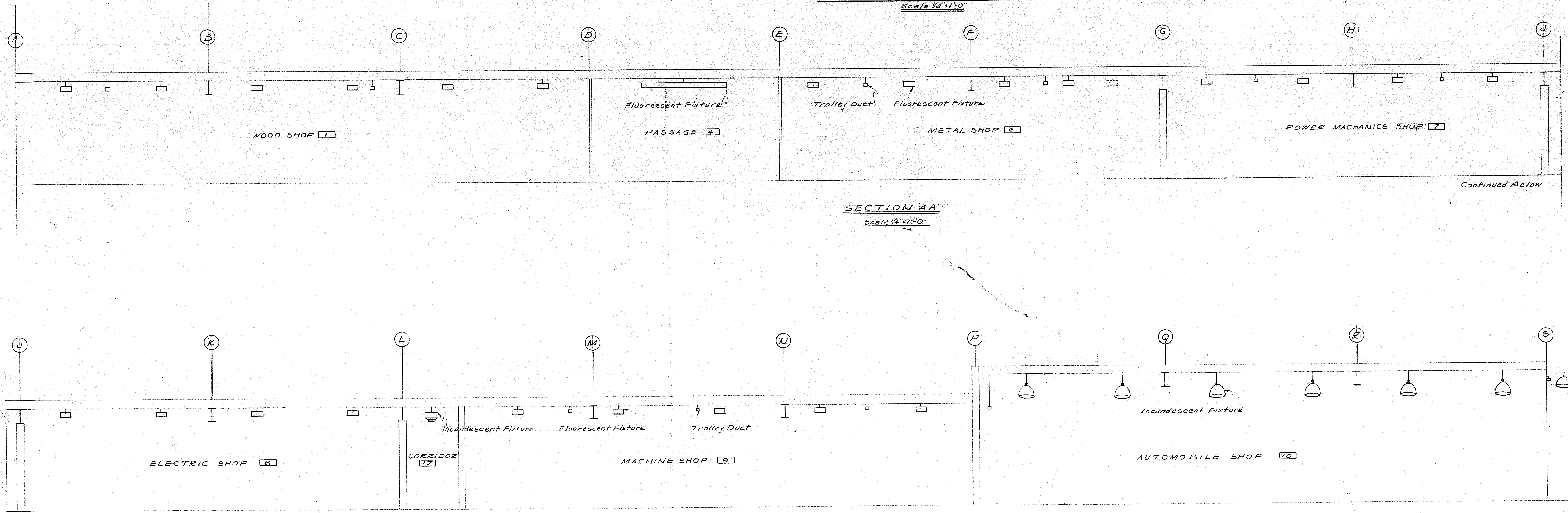
J.M. McCUSKER ASSOCIATES  
CONSULTING ENGINEERS, BOSTON, MASS.

DATE: MAY 25, 1956  
DRAWN BY: G.L.C.  
CHECKED BY: J.K.  
5608





FLOOR PLAN - PART A POWER  
Scale 1/4" = 1'-0"



SECTION AA'  
Scale 1/4" = 1'-0"

- SPECIAL EQUIPMENT LEGEND**
- Type E-1 Outlet (See Spec. Special Elec. Equipment)
  - ▤ Type E-2 Outlet (See Spec. Special Elec. Equipment)
  - ▥ Type E-3 Outlet (See Spec. Special Elec. Equipment)
  - ▧ Type E-4 Outlet (See Spec. Special Elec. Equipment)
  - ▨ PPC-1 Special A.C.-D.C. Control Panel (See Spec. Special Elec. Equip)

**FLOOR PLAN "A" POWER**

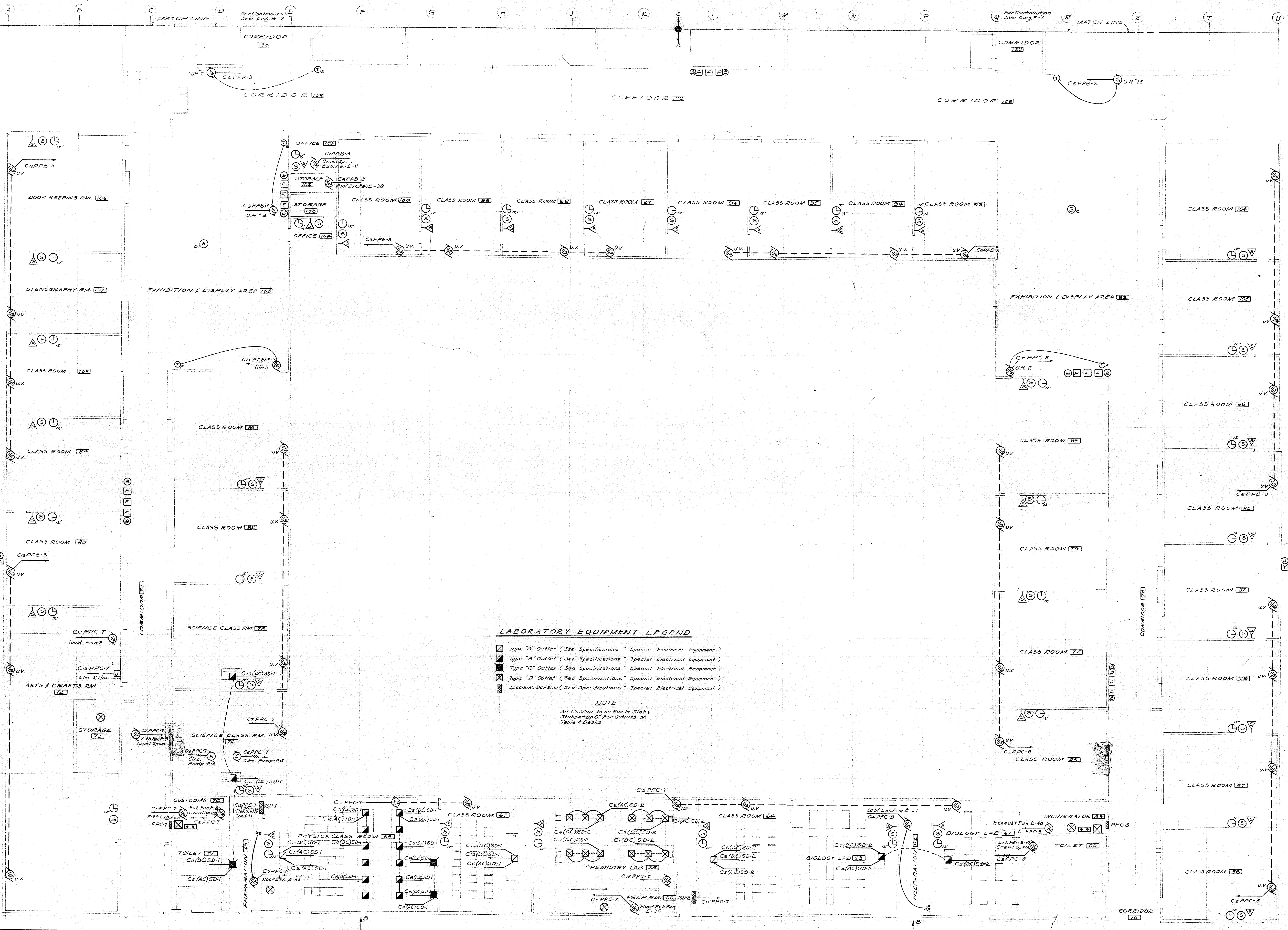
FRAMINGHAM HIGH SCHOOL  
FLAGG DRIVE  
FRAMINGHAM, MASSACHUSETTS

J.M. McCUSKER ASSOCIATES  
CONSULTING ENGINEERS, BOSTON, MASS.

DESIGNED BY A.A.M. MAY 25, 1956  
CHECKED BY G.L.C. APPROVED BY J.M.

5608 **E-5**





**LABORATORY EQUIPMENT LEGEND**

- Type "A" Outlet (See Specifications "Special Electrical Equipment")
- ▣ Type "B" Outlet (See Specifications "Special Electrical Equipment")
- ▤ Type "C" Outlet (See Specifications "Special Electrical Equipment")
- ▥ Type "D" Outlet (See Specifications "Special Electrical Equipment")
- ⊗ Special DC Panel (See Specifications "Special Electrical Equipment")

**NOTE**

All Conduit to be Run in Slab & Stubbed up 6" For Outlets on Table & Desks.

**FLOOR PLAN - PART B - POWER**  
Scale: 1/8" = 1'-0"

**FLOOR PLAN 'B' POWER**

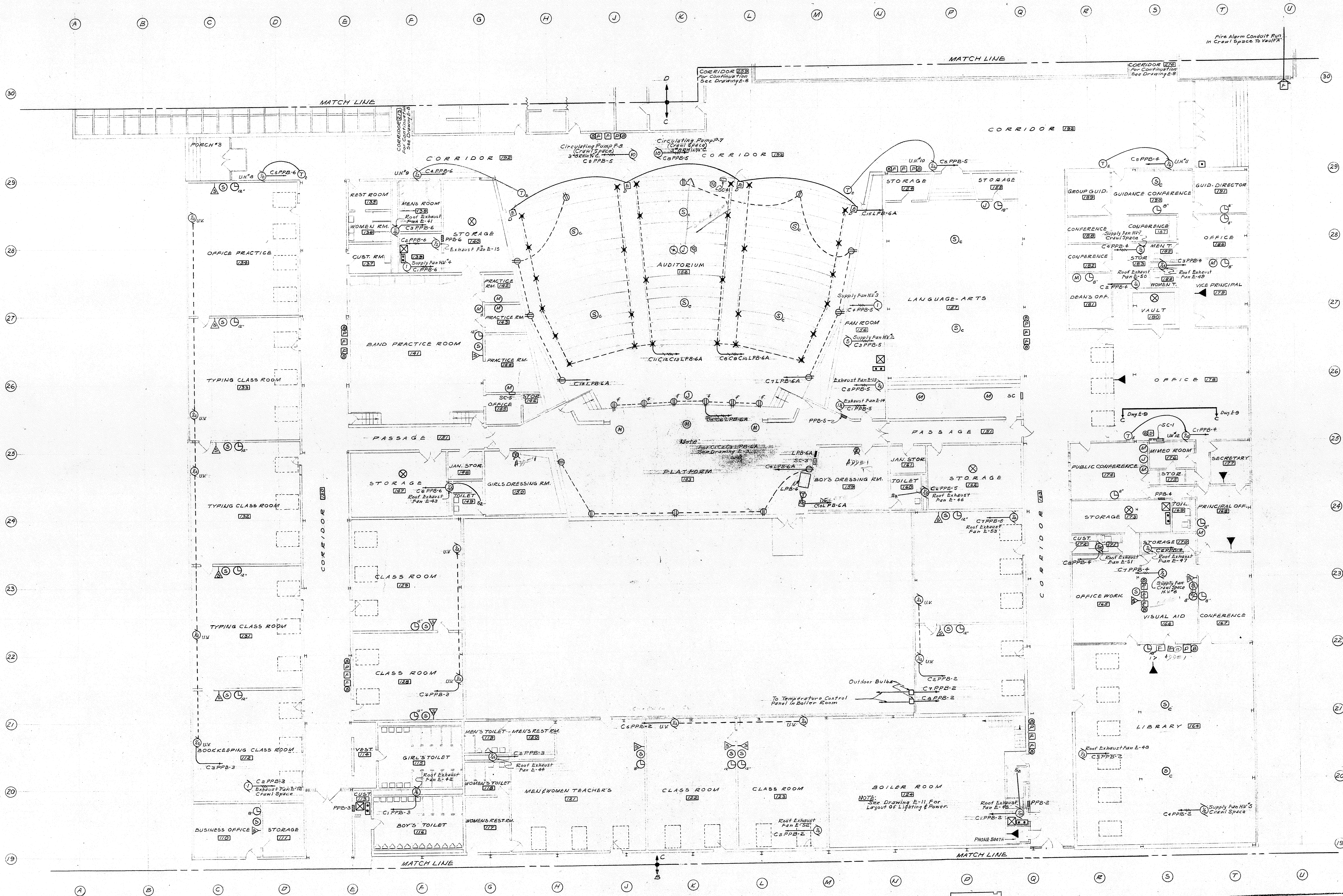
FRAMINGHAM HIGH SCHOOL  
FLAGG DRIVE  
FRAMINGHAM, MASSACHUSETTS

J.M. McCUSKER ASSOCIATES  
CONSULTING ENGINEERS, BOSTON, MASS.

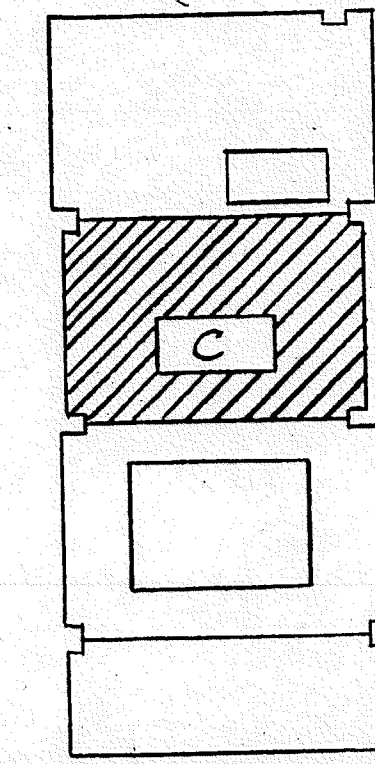
DRAWN BY: A.A.M. MAY 25, 1956  
CHECKED BY: G.L.C.

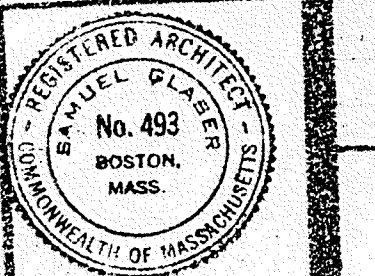
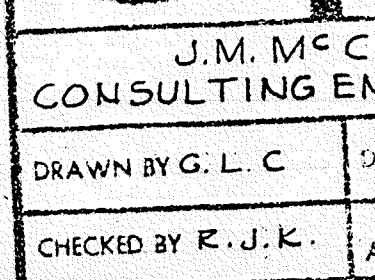

5608 **E-6**



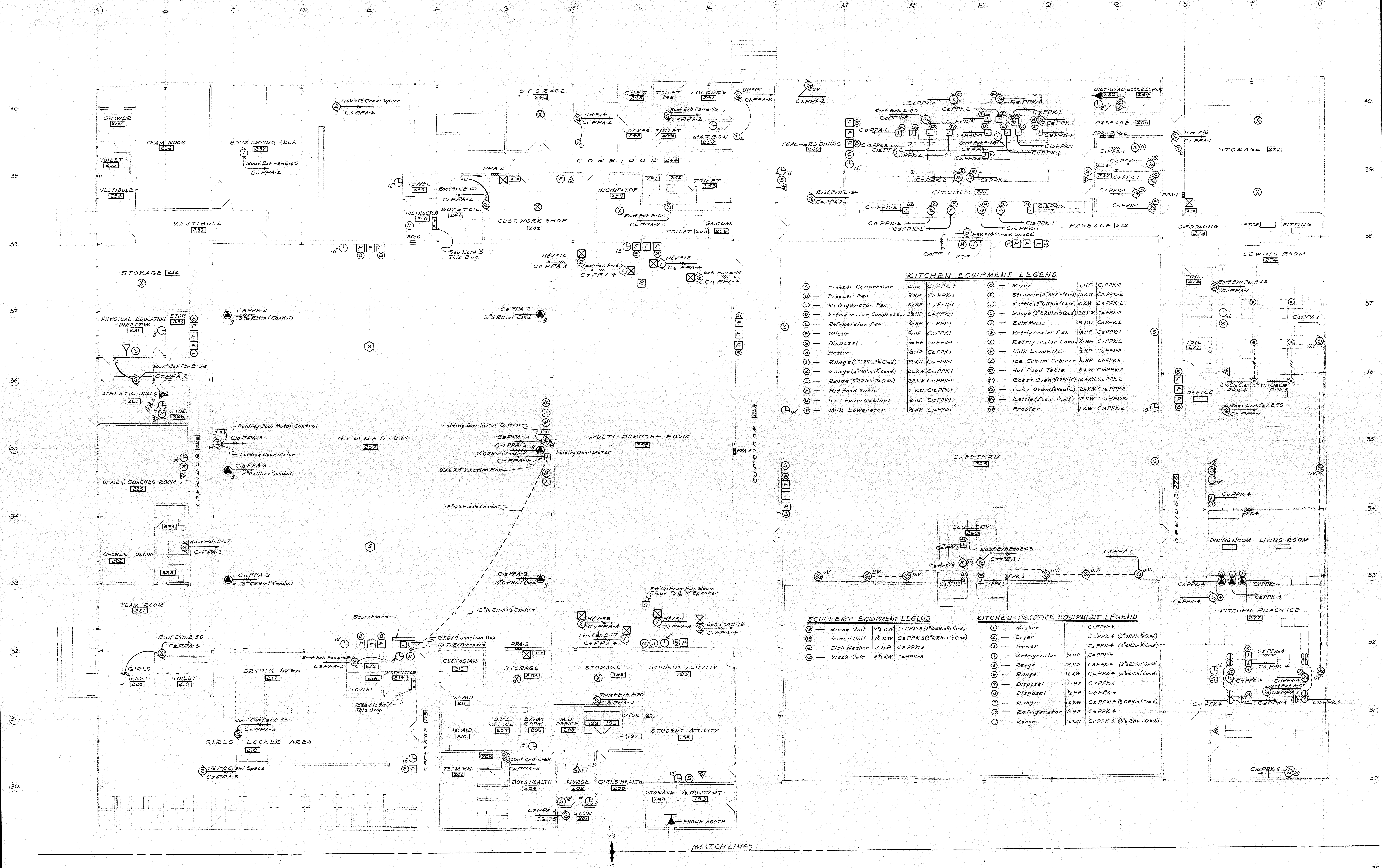


FLOOR PLAN PART C POWER  
Scale 1/8"=1'-0"



<b>FLOOR PLAN PART C POWER</b>	
FRAMINGHAM HIGH SCHOOL FLAGG DRIVE FRAMINGHAM, MASSACHUSETTS	
SAMUEL GLASER ASSOCIATES ARCHITECTS & ENGINEERS 125 NEWBURY STREET - BOSTON - MASSACHUSETTS	
J.M. McCUSKER ASSOCIATES CONSULTING ENGINEERS, BOSTON, MASS.	
	
DRAWN BY G. L. C. CHECKED BY E. J. K.	DATE MAY 25, 1956 JOB NO. 5608 





FLOOR PLAN PART 'D' POWER  
Scale 1/8"=1'-0"

NOTES

- A - Location of Push Button & Pilot Light Stations for HV#8, E-17, HV#11 & E-18 in Fan Room
- B - Location of Push Button & Pilot Light Stations for HV#10, E-16, HV#12 & E-18

**KITCHEN EQUIPMENT LEGEND**

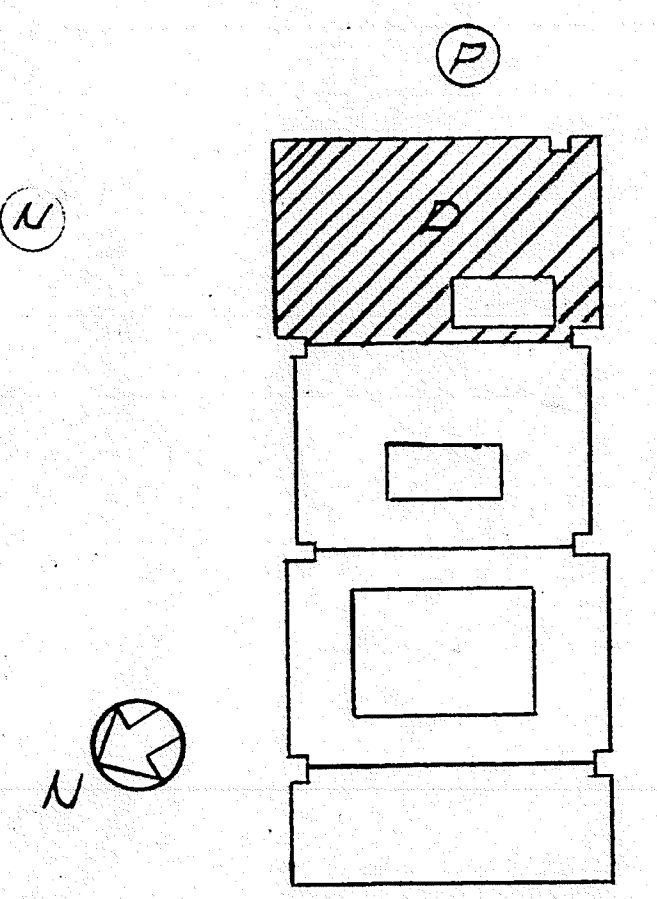
(A) - Freezer Compressor	1/2 HP C1PPK-1	(S) - Mixer	1 HP C1PPK-2
(B) - Freezer Fan	1/2 HP C2PPK-1	(T) - Steamer (3"RHin/Cond)	15 KW C2PPK-2
(C) - Refrigerator Fan	1/2 HP C3PPK-1	(U) - Kettle (3"RHin/Cond)	10 KW C3PPK-2
(D) - Refrigerator Compressor	1/2 HP C4PPK-1	(V) - Range (3"RHin/Cond)	22 KW C4PPK-2
(E) - Refrigerator Fan	1/2 HP C5PPK-1	(W) - Bain Marie	2 KW C5PPK-2
(F) - Slicer	1/2 HP C6PPK-1	(X) - Refrigerator Fan	1/2 HP C6PPK-2
(G) - Disposal	3/4 HP C7PPK-1	(Y) - Refrigerator Comp.	1/2 HP C7PPK-2
(H) - Peeler	1/2 HP C8PPK-1	(Z) - Milk Lowerator	1/2 HP C8PPK-2
(I) - Range (3"RHin/Cond)	22 KW C9PPK-1	(AA) - Ice Cream Cabinet	1/2 HP C9PPK-2
(J) - Range (3"RHin/Cond)	22 KW C10PPK-1	(AB) - Hot Food Table	5 KW C10PPK-2
(K) - Range (3"RHin/Cond)	22 KW C11PPK-1	(AC) - Roast Oven (3"RHin/Cond)	12 KW C11PPK-2
(L) - Hot Food Table	5 KW C12PPK-1	(AD) - Bake Oven (3"RHin/Cond)	12 KW C12PPK-2
(M) - Ice Cream Cabinet	1/2 HP C13PPK-1	(AE) - Kettle (3"RHin/Cond)	2 KW C13PPK-2
(N) - Milk Lowerator	1/2 HP C14PPK-1	(AF) - Proofer	1 KW C14PPK-2

**SCULLERY EQUIPMENT LEGEND**

(1) - Rinse Unit	1 1/2 KW C1PPK-3 (3"RHin/Cond)
(2) - Rinse Unit	1 1/2 KW C2PPK-3 (3"RHin/Cond)
(3) - Dish Washer	3 HP C3PPK-3
(4) - Wash Unit	4 1/2 KW C4PPK-3

**KITCHEN PRACTICE EQUIPMENT LEGEND**

(1) - Washer	C1PPK-4
(2) - Dryer	C2PPK-4 (3"RHin/Cond)
(3) - Ironer	C3PPK-4 (3"RHin/Cond)
(4) - Refrigerator	1/2 HP C4PPK-4
(5) - Range	2 KW C5PPK-4 (3"RHin/Cond)
(6) - Range	12 KW C6PPK-4 (3"RHin/Cond)
(7) - Disposal	1/2 HP C7PPK-4
(8) - Disposal	1/2 HP C8PPK-4
(9) - Range	12 KW C9PPK-4 (3"RHin/Cond)
(10) - Refrigerator	1/2 HP C10PPK-4
(11) - Range	12 KW C11PPK-4 (3"RHin/Cond)



**FLOOR PLAN 'D' POWER**

FRAMINGHAM HIGH SCHOOL  
FLAGG DRIVE  
FRAMINGHAM, MASSACHUSETTS

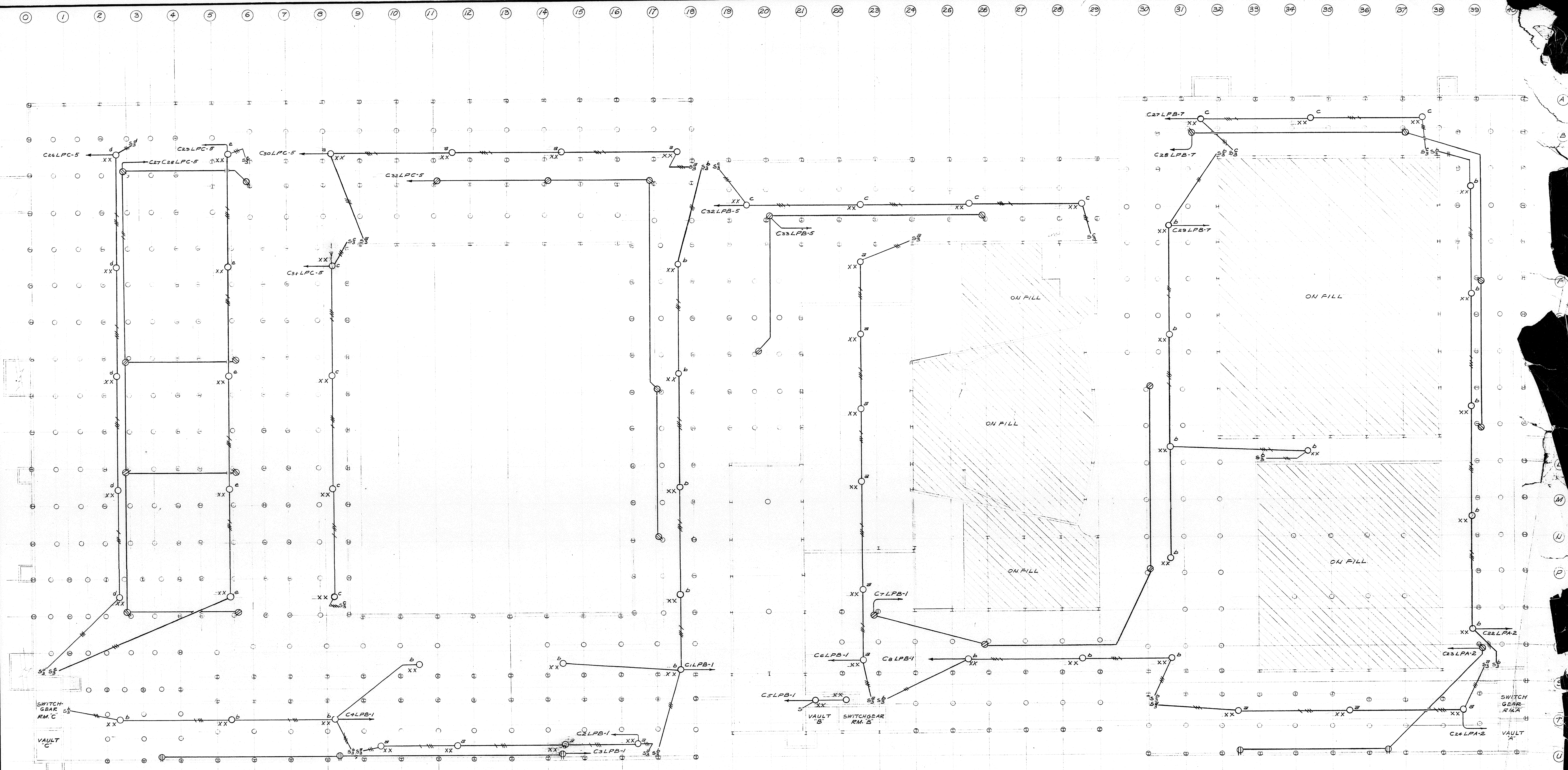
SAMUEL GLASER ASSOCIATES  
ARCHITECTS & ENGINEERS

J.M. McCusker Associates  
CONSULTING ENGINEERS BOSTON, MASS.

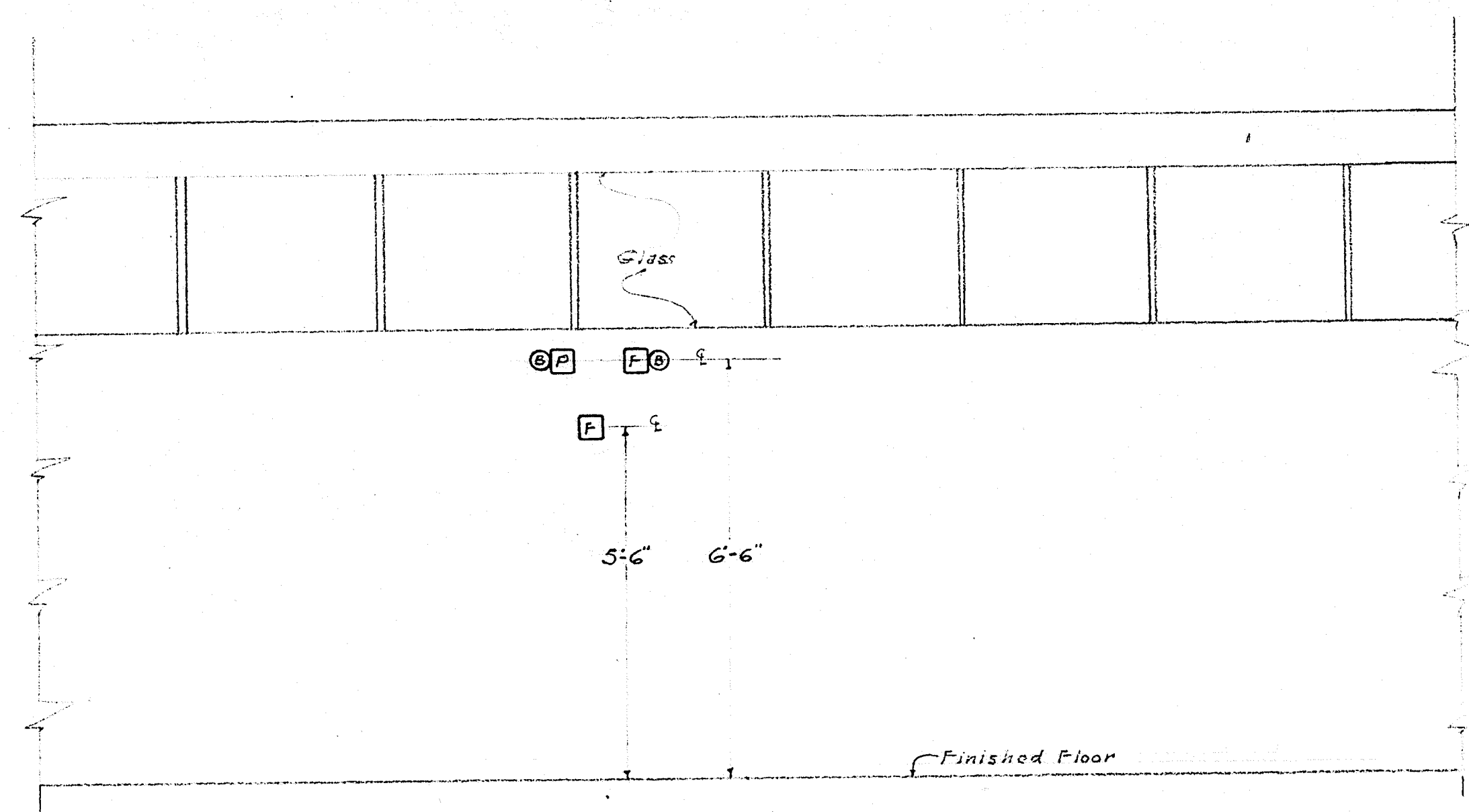
DATE MAY 25, 1956 JOB No. 5608

CHECKED BY G.L.C. APPROVED BY J.M.



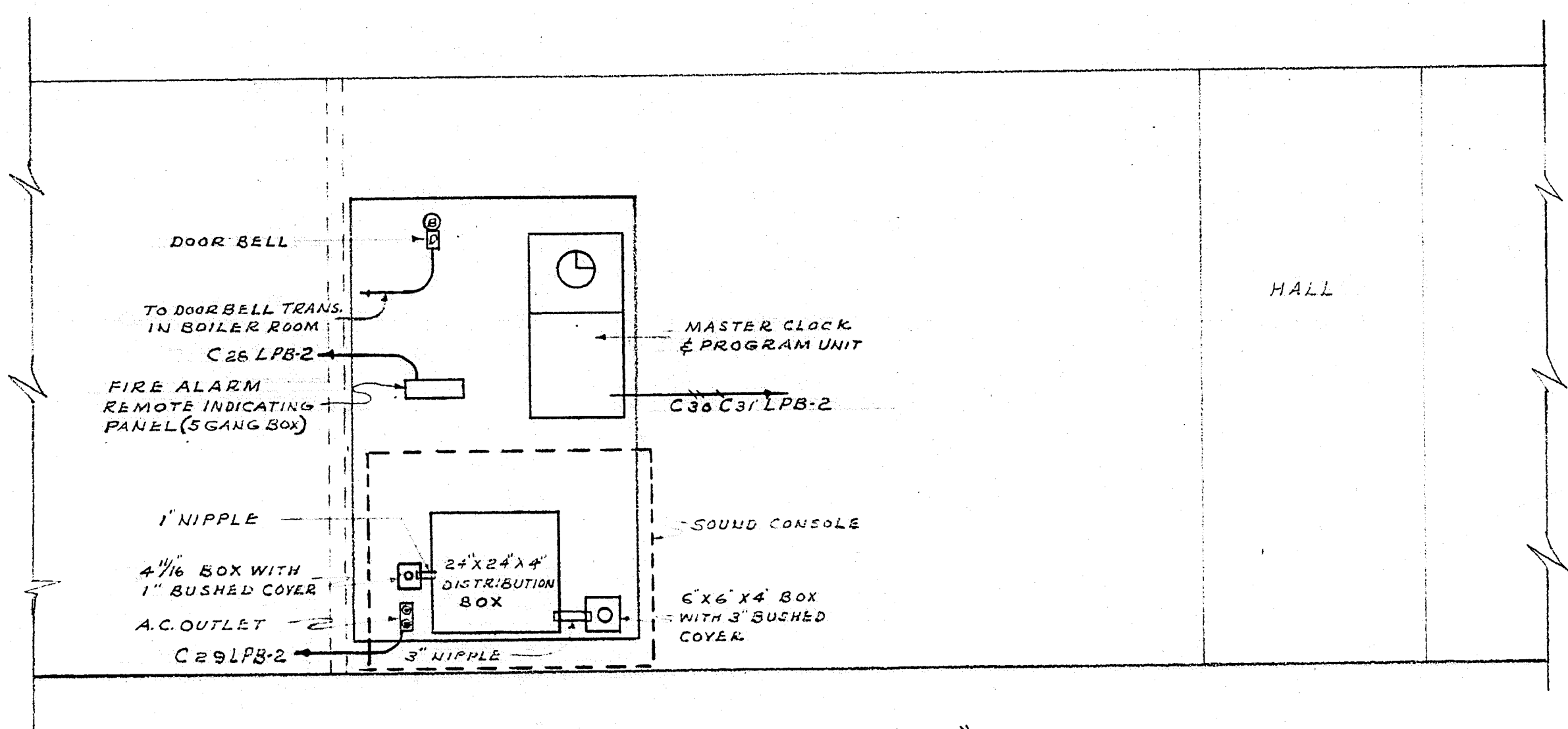


**CRAWL SPACE LIGHTING**  
Scale: 1/8"=1'-0"

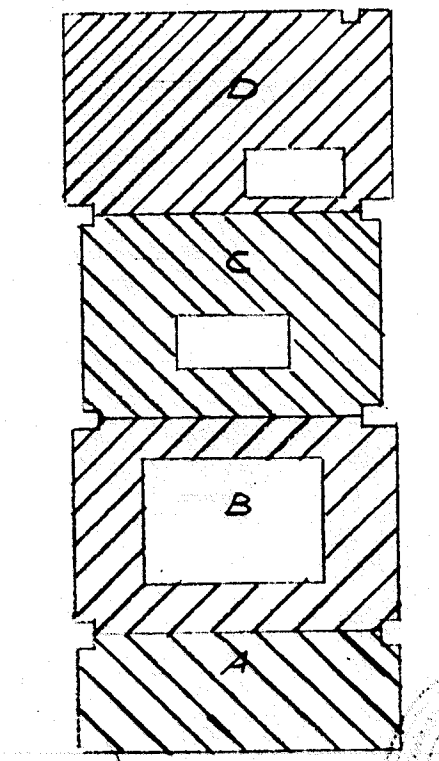


**MOUNTING HEIGHTS IN CORRIDORS WITH GLASS**  
Scale: 1/2"=1'-0"

**NOTE:**  
In Corridors Without Glass Increase  
6'-6" Dimension to 9'-0"



**ELEVATION "C-C"**  
Scale: 1/2"=1'-0"



**CRAWL SPACE LIGHTING**

FRAMINGHAM HIGH SCHOOL  
FLAGG DRIVE  
FRAMINGHAM, MASSACHUSETTS

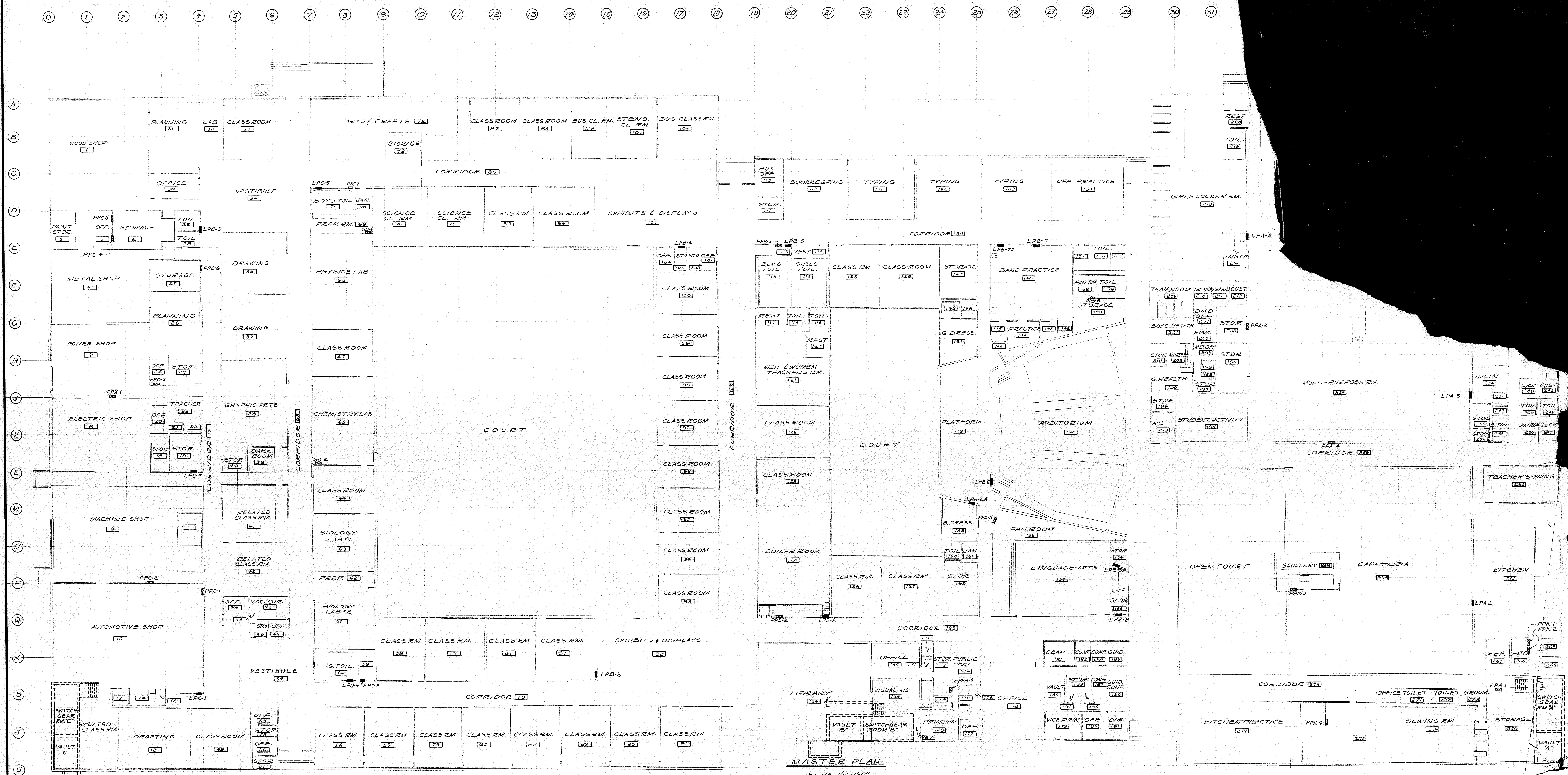
MANUEL GLASER ASSOCIATES  
ARCHITECTS ENGINEERS

J.M. McCusker Associates  
CONSULTING ENGINEERS, BOSTON, MASS.

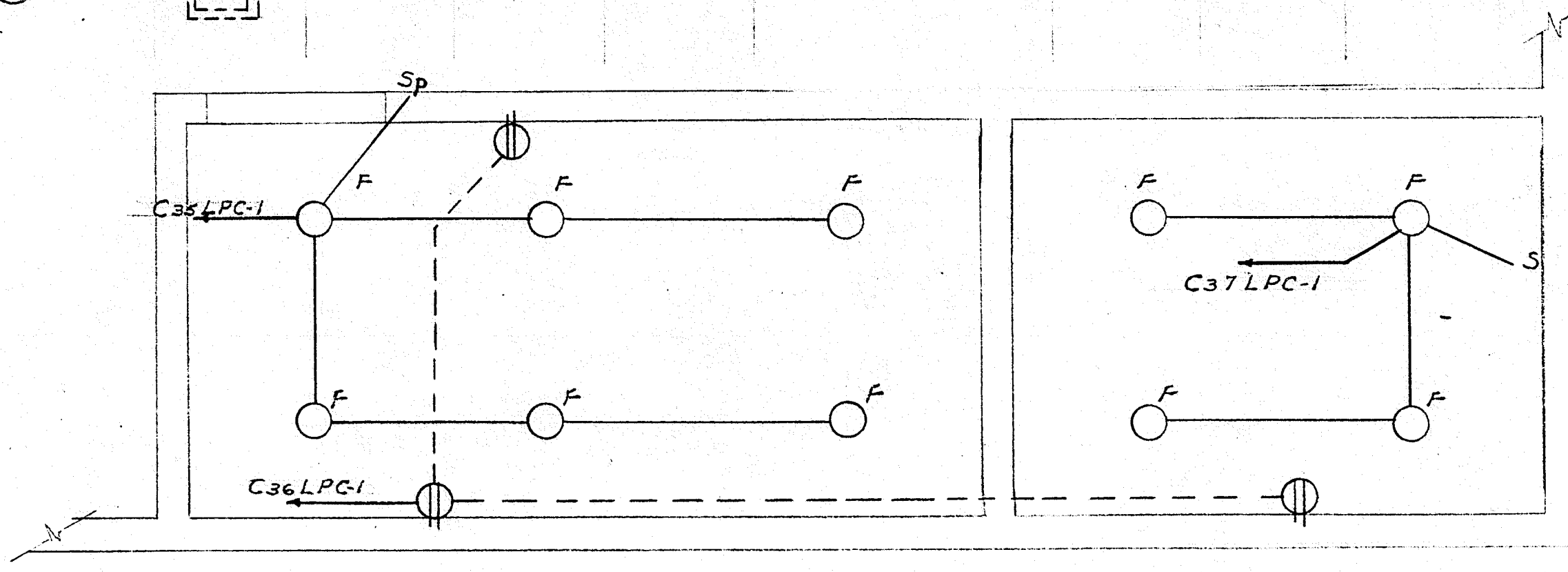
DR. A.A.M. MAY 25 1956  
ENCL. G.L.C. APPROVED J.M.

5608 **D-S**

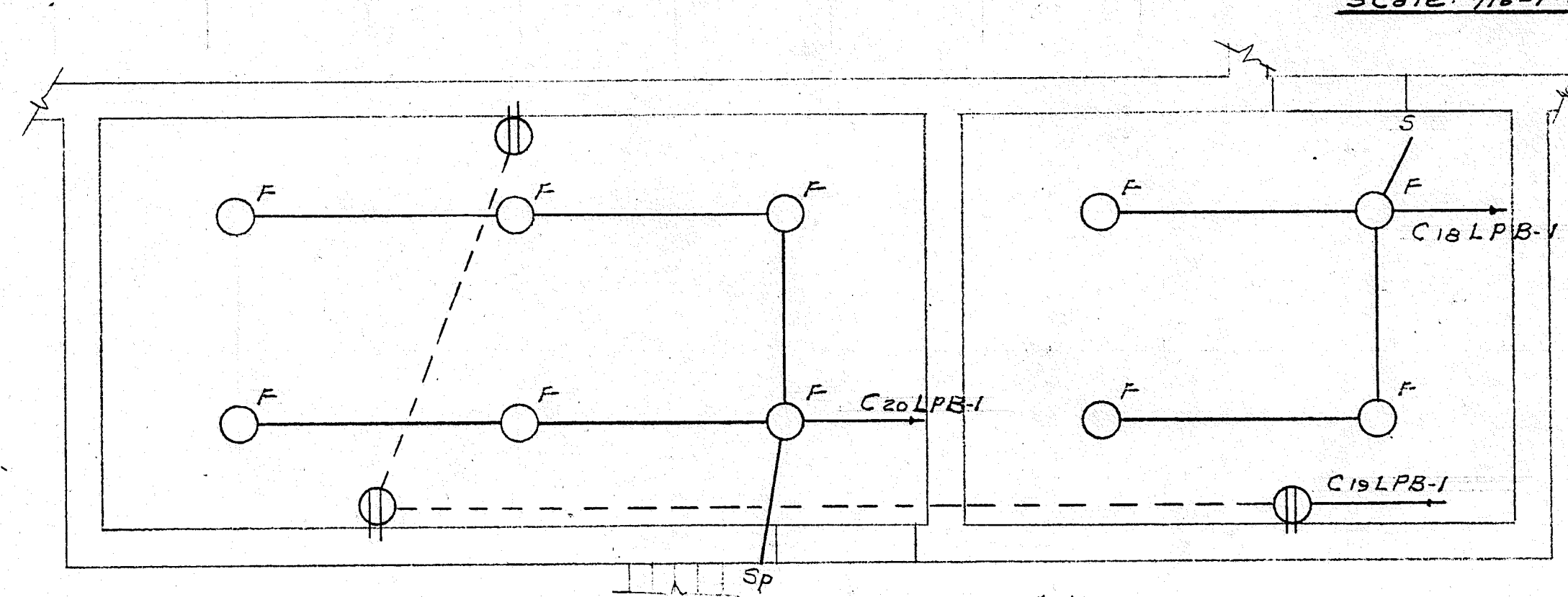




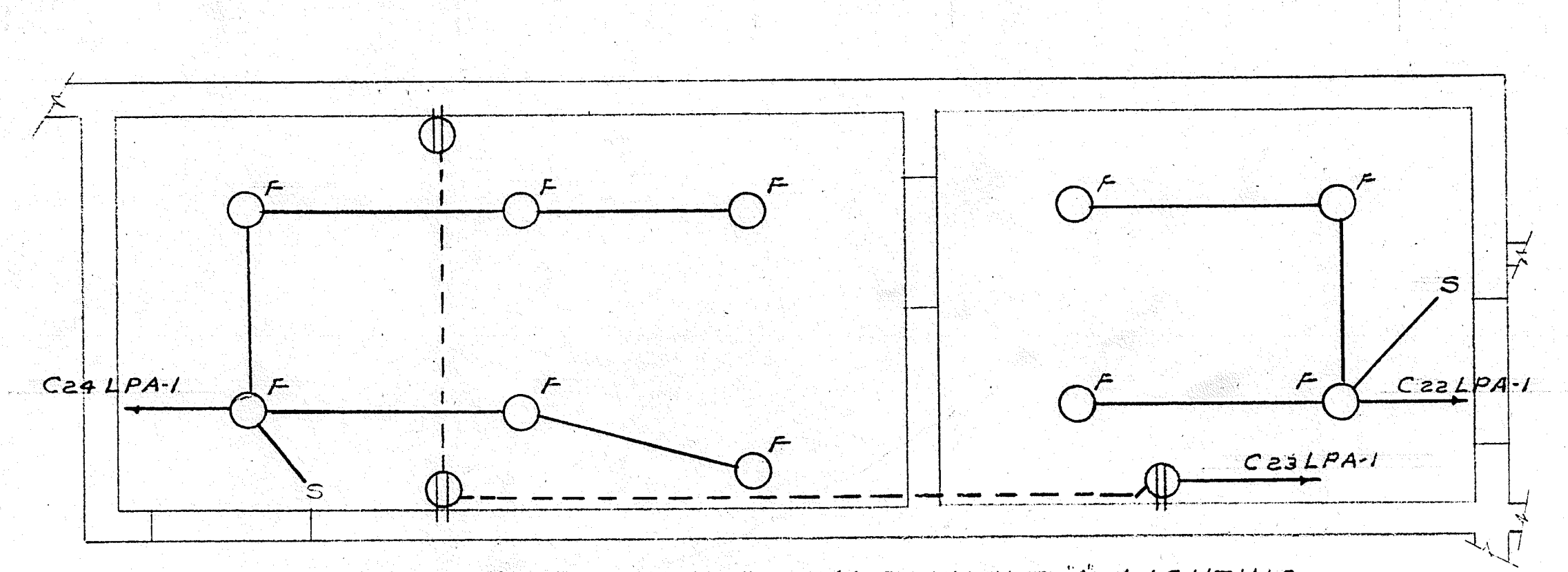
MASTER PLAN  
Scale 1/16"=1'-0"



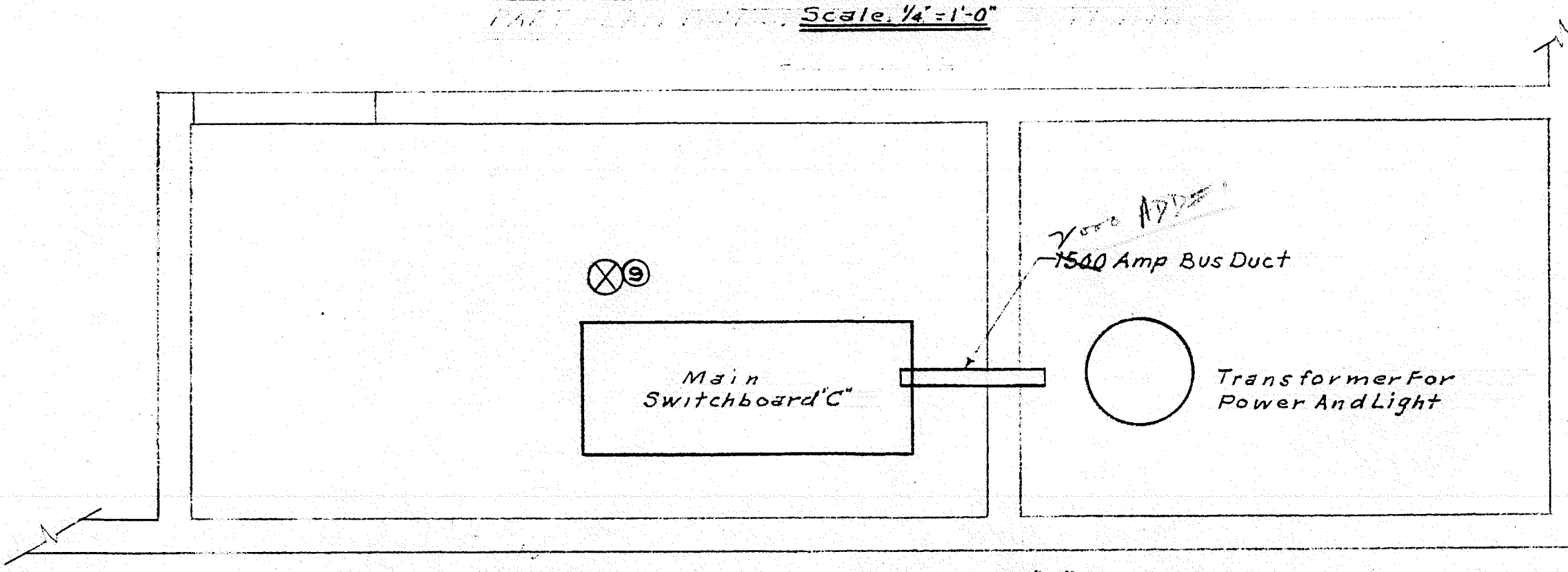
PART PLAN TRANSFORMER VAULT C LIGHTING  
Scale 1/4"=1'-0"



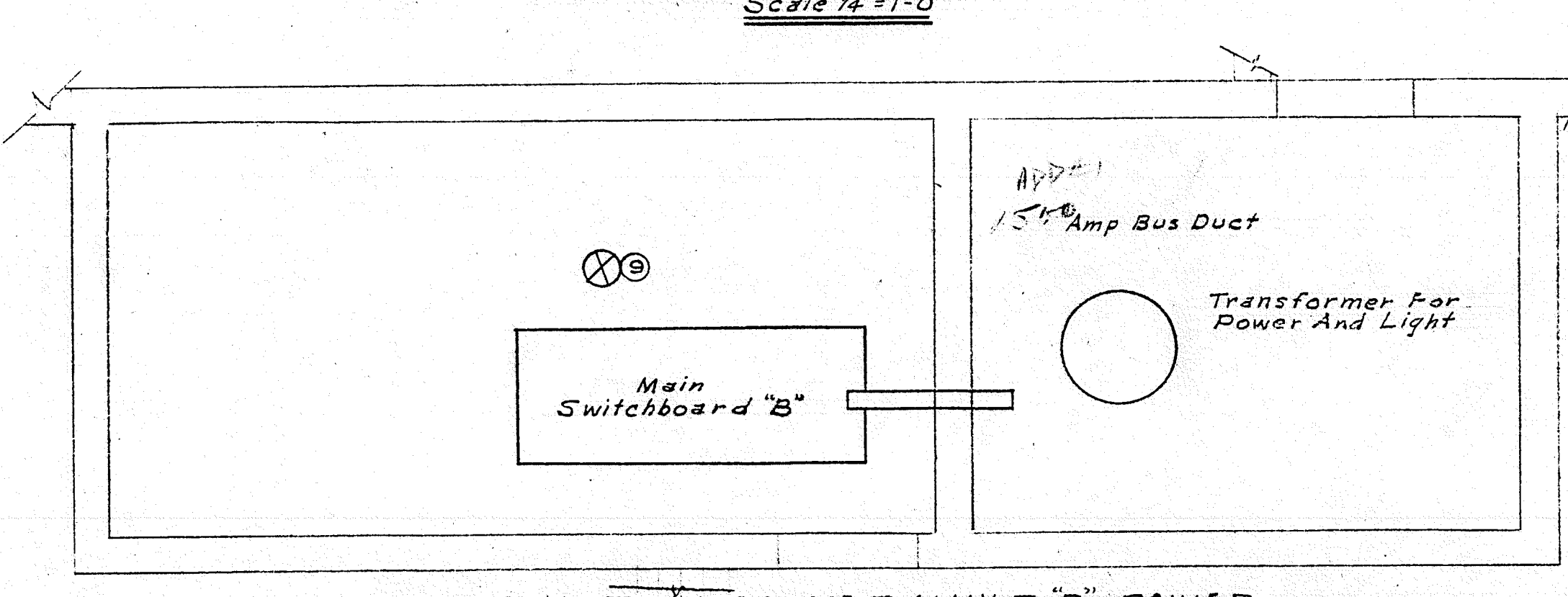
PART PLAN TRANSFORMER VAULT B LIGHTING  
Scale 1/4"=1'-0"



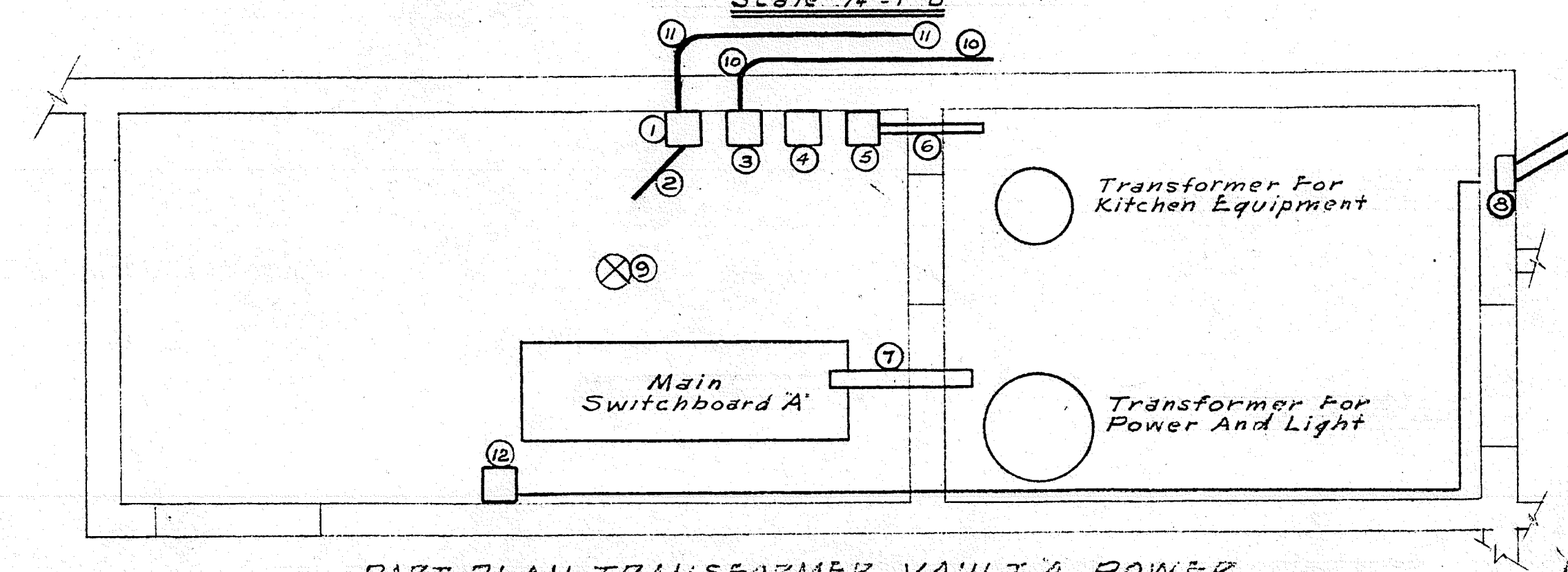
PART PLAN TRANSFORMER VAULT A LIGHTING  
Scale 1/4"=1'-0"



PART PLAN TRANSFORMER VAULT C POWER  
Scale 1/4"=1'-0"



PART PLAN TRANSFORMER VAULT B POWER  
Scale 1/4"=1'-0"



PART PLAN TRANSFORMER VAULT A POWER  
Scale 1/4"=1'-0"

- NUMBERED EQUIP LEGEND**
- ① Fire Alarm Entrance Cabinet
  - ② 1/2" Conduit To Fire Alarm Control Panel In Room
  - ③ 36"x18"x8" N.E.T. Co. Entrance Cabinet
  - ④ Main Distribution Panel For Kitchen Equipment
  - ⑤ 1000 Amp Wall Mounted Circuit Breaker For Kitchen Equip. D
  - ⑥ 1000 Amp Bus Duct From Kitchen Transform To Wall M
  - ⑦ 800 Amp Bus Duct From Switchboard Thru Transform
  - ⑧ B.E. Co Service Entrance Box
  - ⑨ Automatic Fire Alarm Detector
  - ⑩ 3" Conduit To Service Pole On Flagg Drive For N.E.T. C
  - ⑪ 3" Conduit For Fire Alarm Service
  - ⑫ B.L. Co Meters To Be Mt'd. On board For Primary Met
  - ⑬ 2"x3" Steel Or Iron Pipes To New Manhole On Flagg
  - ⑭ At Flagg Drive For Edison Service. See Dwg E-1

**MASTER PLAN**

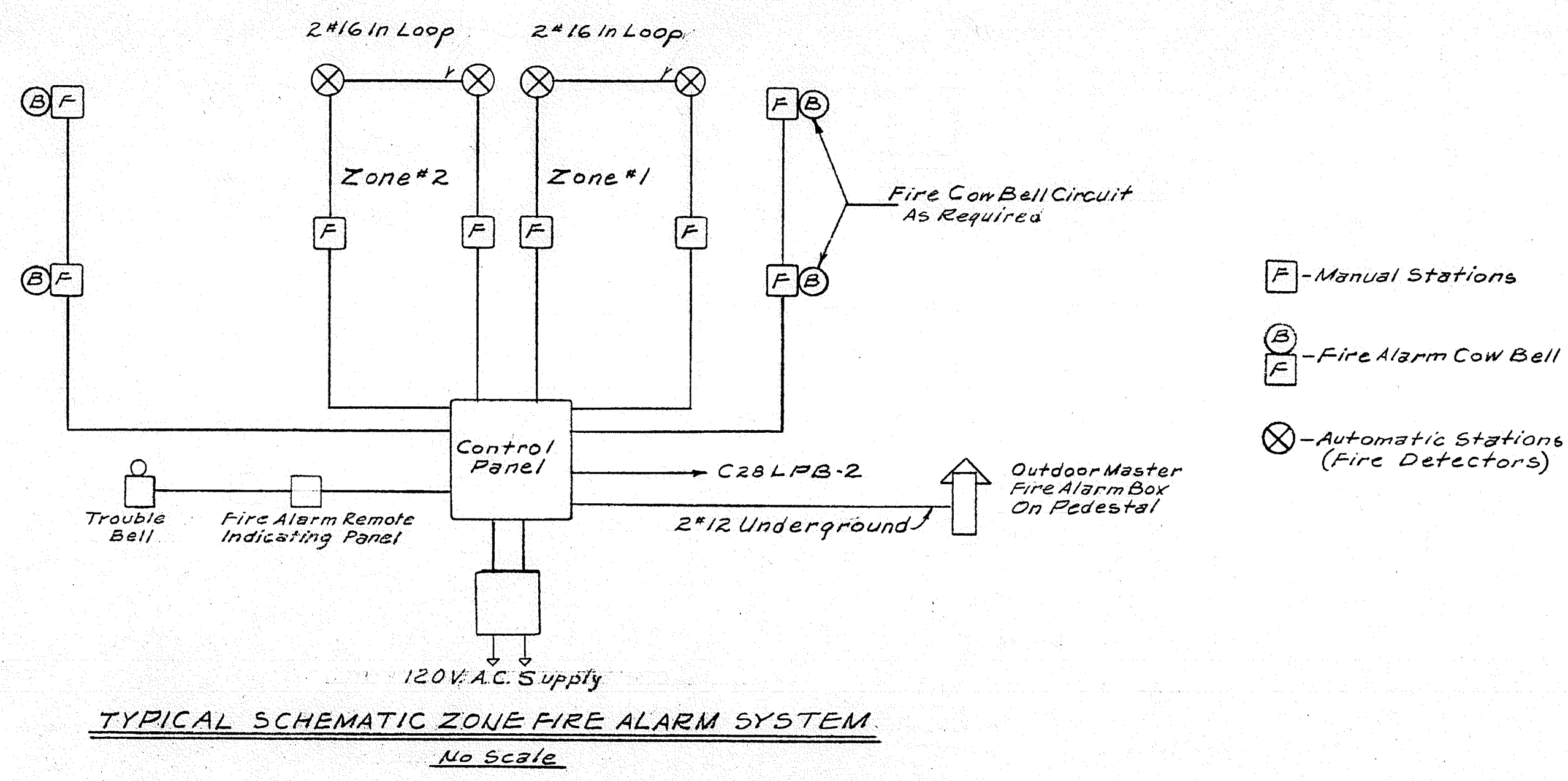
FRAMINGHAM HIGH SCHOOL  
FLAGG DRIVE  
FRAMINGHAM, MASSACHUSETTS

SAMUEL GLASER ASSOCIATES  
ARCHITECTS

J.M. McCusker Associates  
CONSULTING ENGINEERS BOSTON, MASS.

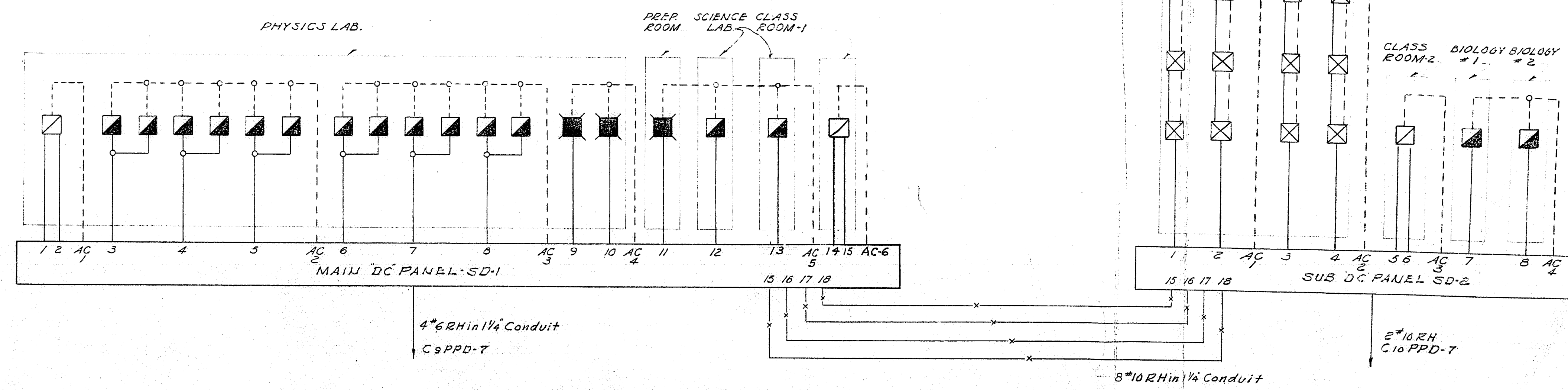
DRAWN BY A.A.M. DATE MAY 25, 1956 108 No. 5608  
CHECKED BY G.L.C. APPROVED BY J.M.





TYPICAL SCHEMATIC ZONE FIRE ALARM SYSTEM  
No Scale

FIRE ALARM ZONE SCHEDULE	
ZONE NUMBER	LOCATION
1	Building A-Grid Line Q-T & A-U
2	Building B-Grid Line T-18 & A-U
3	Building C-Grid Line 18-23E & A-Q
4	Building C-Grid Line 18-23E & Q-U
5	Building D-Grid Line 29-40E & A-L
6	Building D-Grid Line 29-40E & L-U
7	Spare
8	Spare



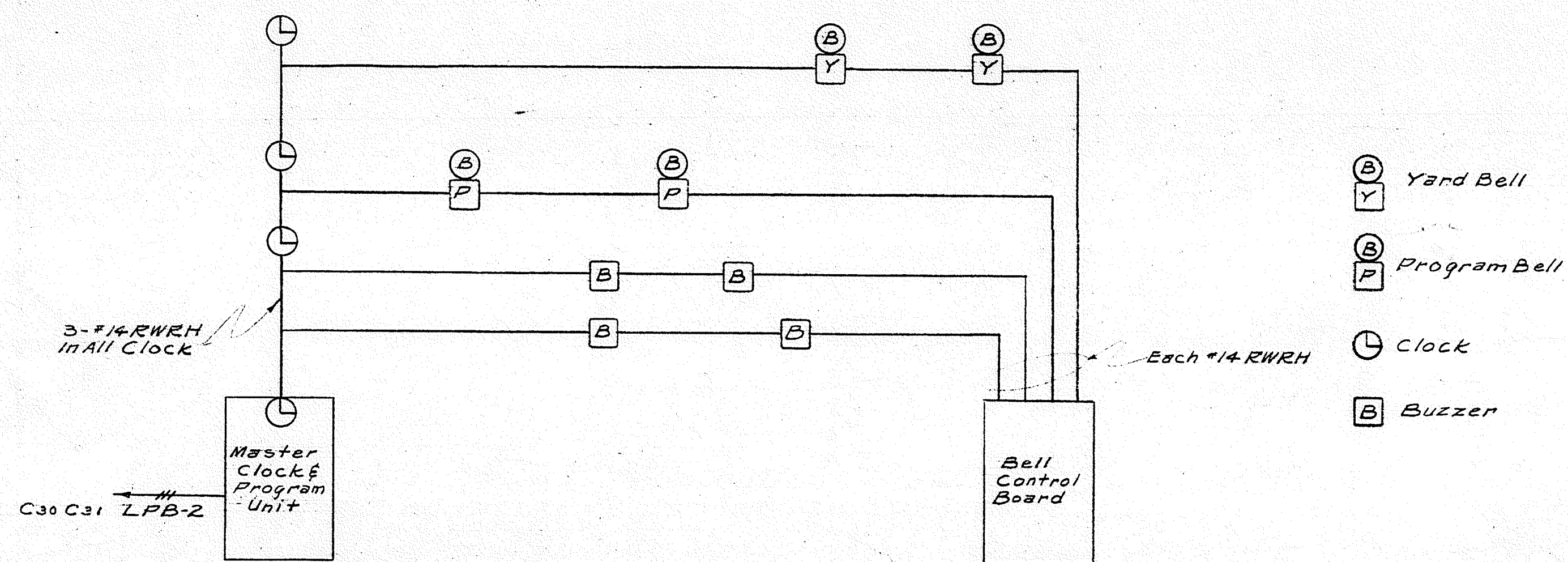
SCHEMATIC A.C.-D.C. SYSTEM - SPECIAL LABORATORY EQUIPMENT  
No Scale

SPECIAL EQUIPMENT LEGEND

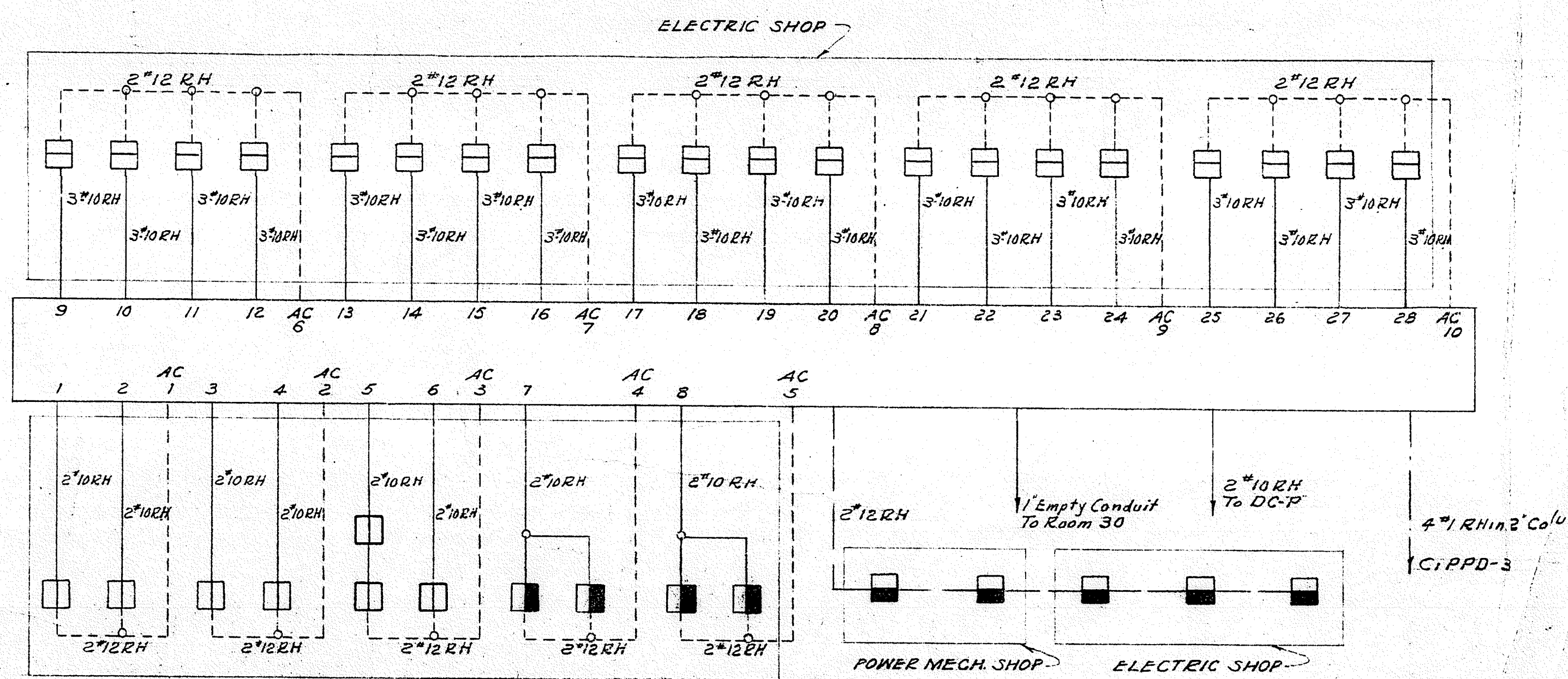
- Variable D.C. Branch Circuits
- Fixed A.C. Circuits
- - - Variable D.C. TR. Circuits
- Type "A" Outlet (See Specifications "Special Electrical Equipment")
- ▣ Type "B" Outlet (See Specifications "Special Electrical Equipment")
- ▤ Type "C" Outlet (See Specifications "Special Electrical Equipment")
- ▥ Type "D" Outlet (See Specifications "Special Electrical Equipment")
- ▧ Type "E" Outlet (See Specifications "Special Electrical Equipment")
- ▨ Type "E" Outlet (See Specifications "Special Electrical Equipment")
- ▩ Type "E" Outlet (See Specifications "Special Electrical Equipment")
- Type "E" Outlet (See Specifications "Special Electrical Equipment")
- Type "E" Outlet (See Specifications "Special Electrical Equipment")
- ▬ Type "E" Outlet (See Specifications "Special Electrical Equipment")

BOILER ROOM NOTES

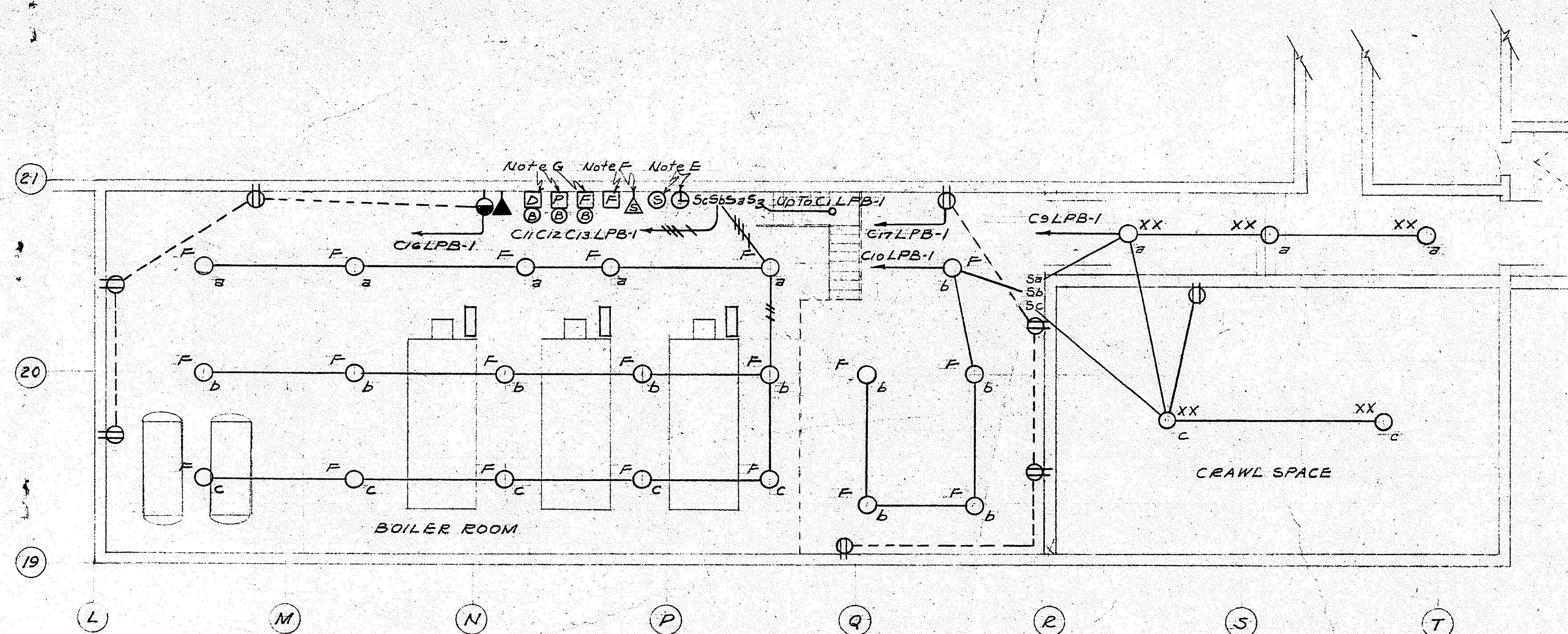
- A - Oil Burner Control Panels Each To Control 2 HP Burner Motor, V.M.R. Be 3" x 6" RHN 1" Conduit.
- B - Feeders For Circ. Pumps P-1 & P-2 Shall Be 3" x 6" RHN 1" Conduit.
- C - Emergency Disconnect Switches For Oil Burners.
- D - Oil Burners Shall Be Wired By Oil Burner Sub-Contractor.
- E - Clock & Speaker To Be Mtd. 8'-0" above Finished Floor.
- F - Sound Switch & Fire Station Manual To Be Mtd. 5'-6" above Finished Floor.
- G - Fire Bell, Program Bell, Door Bell To Be Mtd. 12'-0" above Finished Floor.



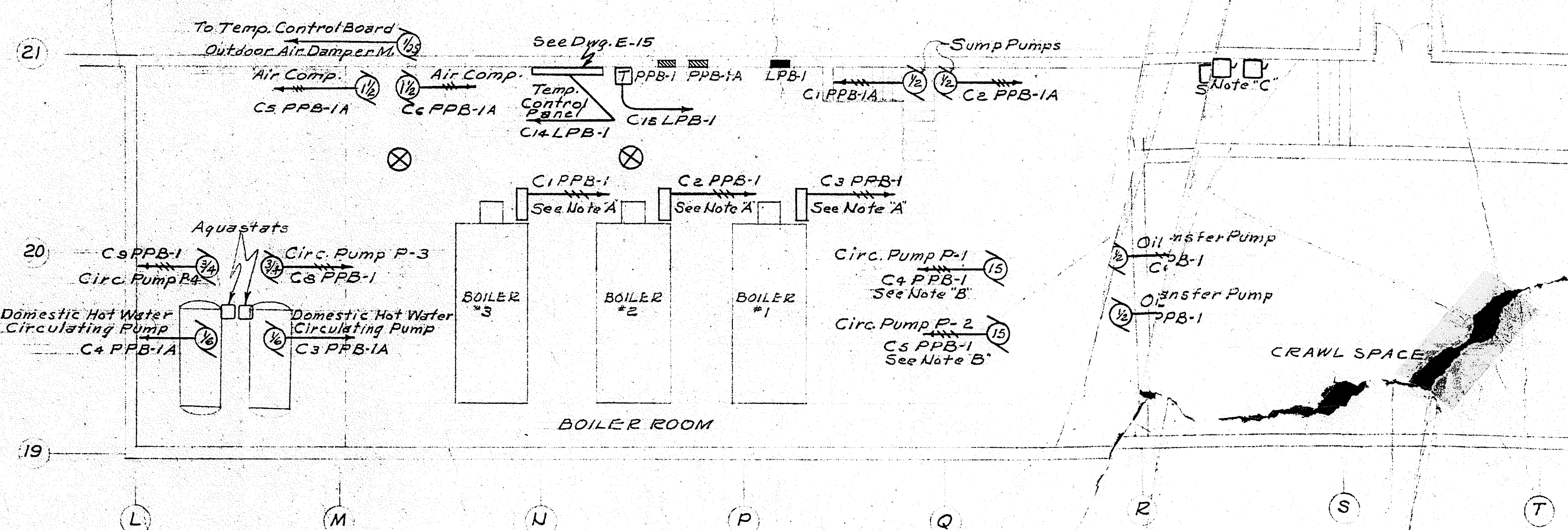
TYPICAL SCHEMATIC WIRED CLOCK & PROGRAM SYSTEM  
No Scale



SCHEMATIC A.C.-D.C. SYSTEM - SPECIAL SHOP EQUIPMENT  
No Scale



PART PLAN BOILER ROOM LIGHTING  
Scale 1/8" = 1'-0"



PART PLAN BOILER ROOM POWER  
Scale 1/8" = 1'-0"

BOILER ROOM  
U. M. Mc  
CONSULTING EN  
DRAWN BY A.A.M. DA  
CHECKED BY G.L.C.

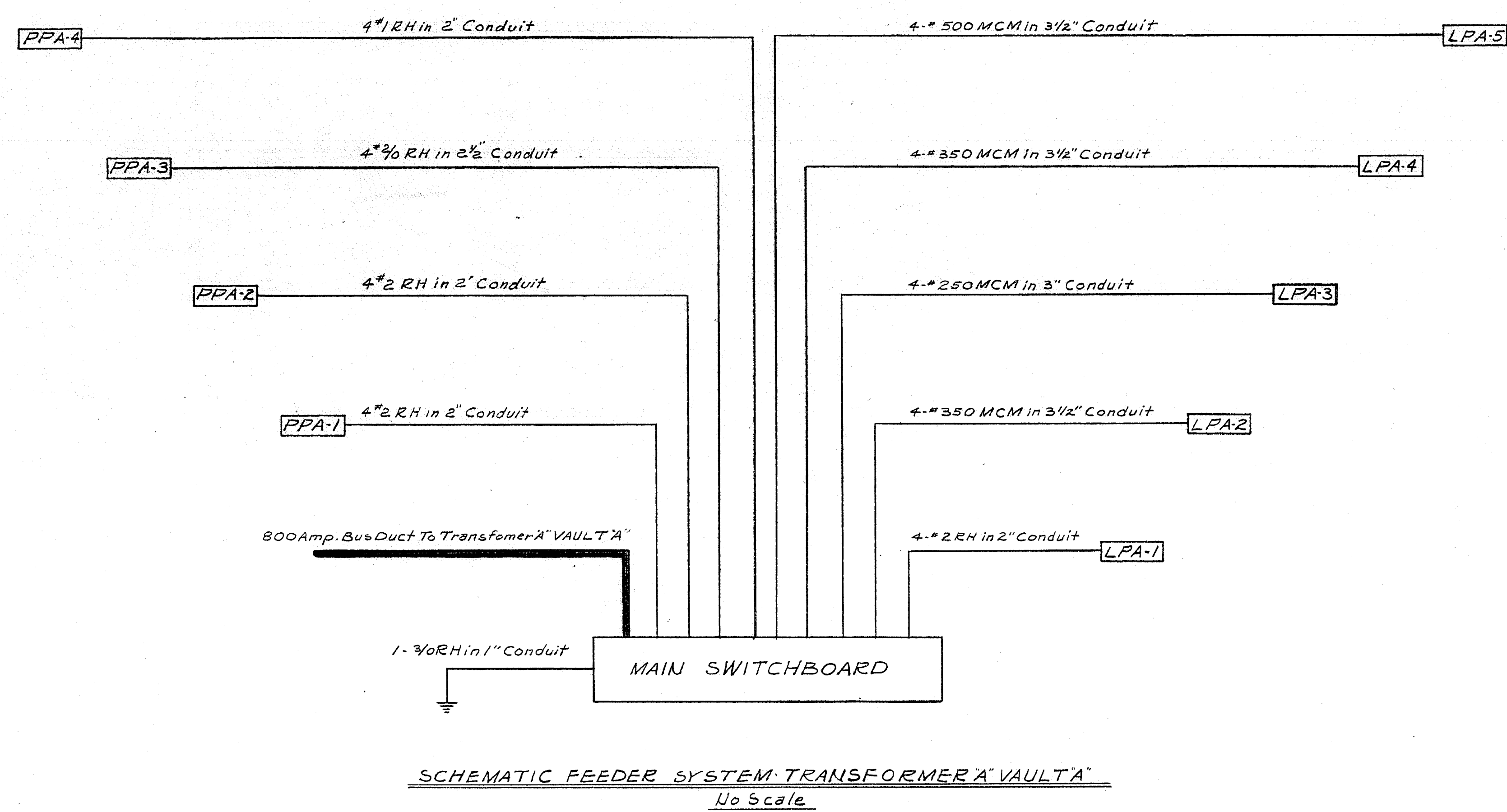
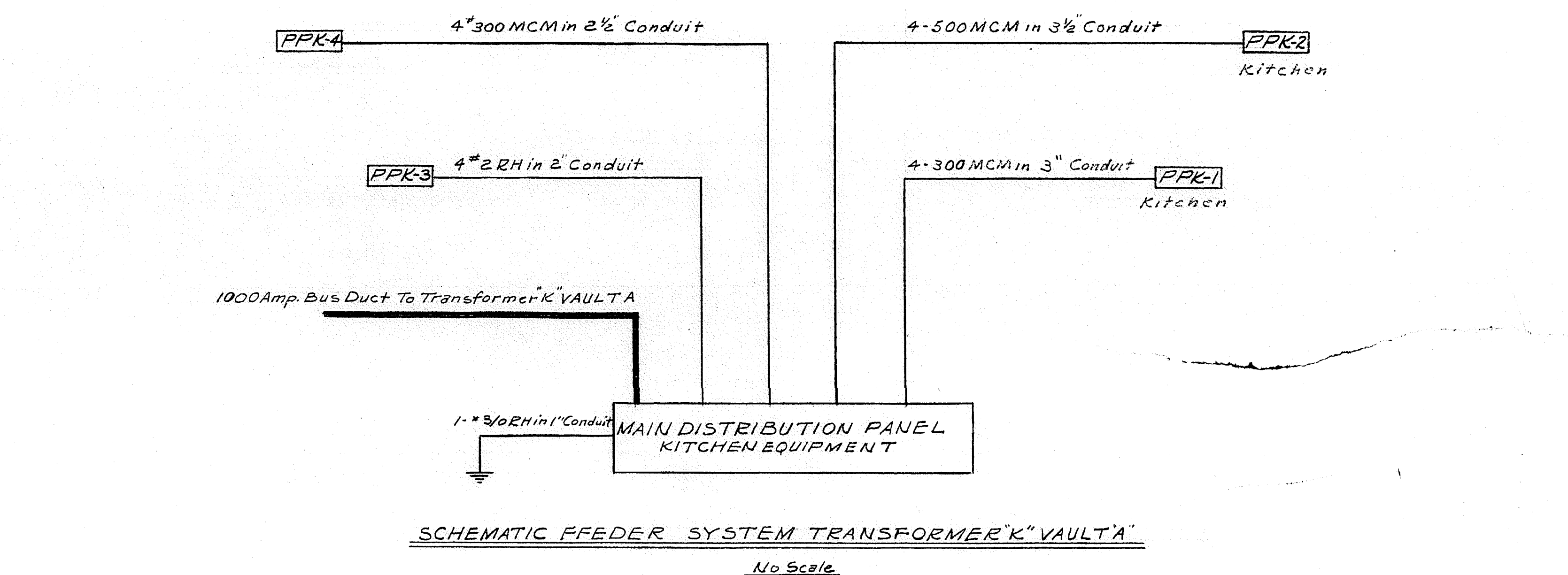


POWER PANEL SCHEDULE					
PANEL NO.	LOCATION	CIRCUIT BREAKER			SERVICE
		NO.	SIZE	POLES	
PPA-1	CORRIDOR #276	/	15A	1	Unit Heater #16 1/2 HP
		/	15A	1	Roof Exhaust Fan E-62 1/2 HP
		/	15A	1	2 Unit Ventilators 1/2 HP
		/	15A	1	Roof Exhaust Fan E-70 1/2 HP
		/	15A	1	Roof Exhaust Fan E-67 1/2 HP
		/	15A	1	6 Unit Ventilators 1/2 HP
		/	15A	3	Roof Exhaust Fan E-63 1/2 HP
		/	15A	3	Roof Exhaust Fan E-65 1/2 HP
		/	15A	3	Roof Exhaust Fan E-66 1/2 HP
		/	20A	3	Supply Unit (Cran. Space) HV-14 5 H.P.
/	15A	1	Spares		
/	15A	3	Spares		
PPA-2	CORRIDOR #244	/	15A	1	Roof Exhaust Fan E-60 1/2 HP
		/	15A	1	Unit Heater #15 1/2 HP
		/	15A	1	Unit Heater #15 1/2 HP
		/	15A	1	Roof Exhaust Fan E-64 1/2 HP
		/	15A	3	Supply Fan (Crawl Space) HV-13 2 HP
		/	15A	1	Roof Exhaust Fan E-55 1/2 HP
		/	15A	1	Roof Exhaust Fan E-58 1/2 HP
		/	2	2	Special Receptacles
		/	3	3	Spares
		/	15A	1	Spares
PPA-3	GYMNASIUM #257	/	15A	1	Roof Exhaust Fan E-57 1/2 HP
		/	15A	1	Roof Exhaust Fan E-56 1/2 HP
		/	15A	1	Roof Exhaust Fan E-69 1/2 HP
		/	15A	3	Roof Exhaust Fan E-54 3/4 HP
		/	15A	1	Supply Fan (Crawl Space) HV-8 2 HP
		/	15A	1	Roof Exhaust Fan E-68 1/2 HP
		/	15A	1	C.S.-75 1/2 HP
		/	15A	3	Toilet Exhaust E-20 1/2 HP
		/	15A	3	Folding Door 3/4 HP
		/	15A	3	Folding Door 3/4 HP
/	50A	2	Special Receptacles		
/	2	2	Spares		
/	15A	3	Spares		
PPA-4	CORRIDOR #259	/	15A	3	Exhaust Fan E-19 1/2 HP
		/	15A	3	Supply Fan HV-11 1 HP
		/	15A	3	Supply Fan HV-9 2 HP
		/	15A	3	Exhaust Fan E-17 1 HP
		/	15A	3	Door Guard
		/	15A	3	Supply Fan HV-10 2 HP
		/	15A	3	Exhaust Fan E-16 1 HP
		/	15A	3	Supply Fan HV-12 1 HP
		/	15A	3	Exhaust Fan E-18 1/2 HP
		/	15A	3	Spares
PPK-1	PASSAGE #265	/	15A	3	Freezer Compressor 2 HP
		/	15A	1	Freezer Fan 1/2 HP
		/	15A	1	Refrigerator Fan 1/2 HP
		/	15A	3	Refrigerator Comp. 1/2 HP
		/	15A	1	Refrigerator Comp. 1/2 HP
		/	15A	1	Slicer 1/2 HP
		/	15A	3	Disposal 3/4 HP
		/	70A	3	Range 22 KW
		/	70A	3	Range 22 KW
		/	15A	3	Hot Food Table 5 KW
/	15A	1	Ice Cream Cabinet 1/2 HP		
/	15A	1	Milk Lonerator 1/2 HP		
/	15A	1	Spares		
/	15A	3	Spares		
PPK-2	PASSAGE #265	/	15A	3	Mixer 1 HP
		/	30A	3	Steamer 12 KW
		/	30A	3	Kettle 10 KW
		/	70A	3	Range 22 KW
		/	15A	1	Bain Marie 2 KW
		/	15A	3	Refrigerator Fan 1/2 HP
		/	15A	3	Refrigerator Comp. 1/2 HP
		/	15A	3	Milk Lonerator 1/2 HP
		/	15A	3	Ice Cream Cabinet 1/2 HP
		/	15A	3	Hot Food Table 5 KW
/	15A	3	Boast Oven 12 KW		
/	30A	3	Bake Oven 12 KW		
/	15A	1	Kettle 12 KW		
/	15A	1	Fooder 1 KW		
/	15A	3	Spares		
/	15A	3	Spares		
PPK-3	SCULLERY #269	/	30A	3	Rinse Unit 7.5 KW
		/	30A	3	Dish Washer 7.5 KW
		/	15A	3	Washing Unit 7.5 KW
		/	15A	3	Spares
		/	15A	3	Spares
PPK-4	DINING ROOM	/	15A	1	Washer 1/2 HP
		/	20A	3	Dryer 1/2 HP
		/	30A	3	Ironer 1/2 HP
		/	15A	1	Refrigerator 1/2 HP
		/	50A	3	Range 12 KW
		/	50A	3	Range 12 KW
		/	15A	1	Disposal 1/2 HP
		/	15A	3	Range 12 KW
		/	15A	3	Range 12 KW
		/	20A	3	Receptacles
/	20A	3	Receptacles		
/	20A	3	Sewing Machine		
/	20A	3	Sewing Machine		
/	15A	3	Spares		
/	15A	3	Spares		

MAIN SWITCHBOARD SCHEDULE - TRANSFORMER 'A'			
BREAKER	CIRCUIT BREAKER SIZE	POLES	SERVICE
1	800A	3	Main Breaker
2	70A	3	Feeder To LPA-1
3	125A	3	Feeder To LPA-2
4	100A	3	Feeder To LPA-3
5	125A	3	Feeder To LPA-4
6	125A	3	Feeder To LPA-5
7	50A	3	Feeder To PPA-1
8	70A	3	Feeder To PPA-2
9	100A	3	Feeder To PPA-3
10	70A	3	Feeder To PPA-4
11	100A	3	Spares
12	50A	3	Spares

MAIN DISTRIBUTION PANEL SCHEDULE - TRANSFORMER 'K'			
BREAKER	CIRCUIT BREAKER SIZE	POLES	SERVICE
1	1000A	3	Main Breaker
2	250A	3	Feeder To PPK-1
3	300A	3	Feeder To PPK-2
4	70A	3	Feeder To PPK-3
5	250A	3	Feeder To PPK-4
6	100A	3	Spares
7	70A	3	Spares

LIGHTING PANEL SCHEDULE					
PANEL NO.	LOCATION	CIRCUIT BREAKER			SERVICE
		NO.	SIZE	POLES	
LPA-1	CORRIDOR #276	24	20A	1	Lighting
		6	20A	1	Spares
LPA-2	CAFETERIA #268	33	20A	1	Lighting
		7	20A	1	Spares
LPA-3	MULTI-PURPOSE RM #258	6	30A	1	Lighting
		2	30A	1	Spares
LPA-4	GYMNASIUM #257	16	20A	1	Lighting
		4	20A	1	Spares
LPA-5	GYMNASIUM #257	8	30A	1	Lighting
		2	30A	1	Spares
LPA-5	GYMNASIUM #257	19	20A	1	Lighting
		7	20A	1	Spares
LPA-5	GYMNASIUM #257	5	30A	1	Lighting
		3	30A	1	Spares
LPA-5	GYMNASIUM #257	30	20A	1	Lighting
		4	20A	1	Spares



SCHEDULES VAULT 'A'

FRAMINGHAM HIGH SCHOOL  
FLAGG DRIVE  
FRAMINGHAM, MASSACHUSETTS

J.M. McCUSKER ASSOCIATES  
CONSULTING ENGINEERS BOSTON, MASS.

DATE: A.A.M. MAY 25, 1956

DESIGNED BY: R.J.K. APPROVED BY: J.M.

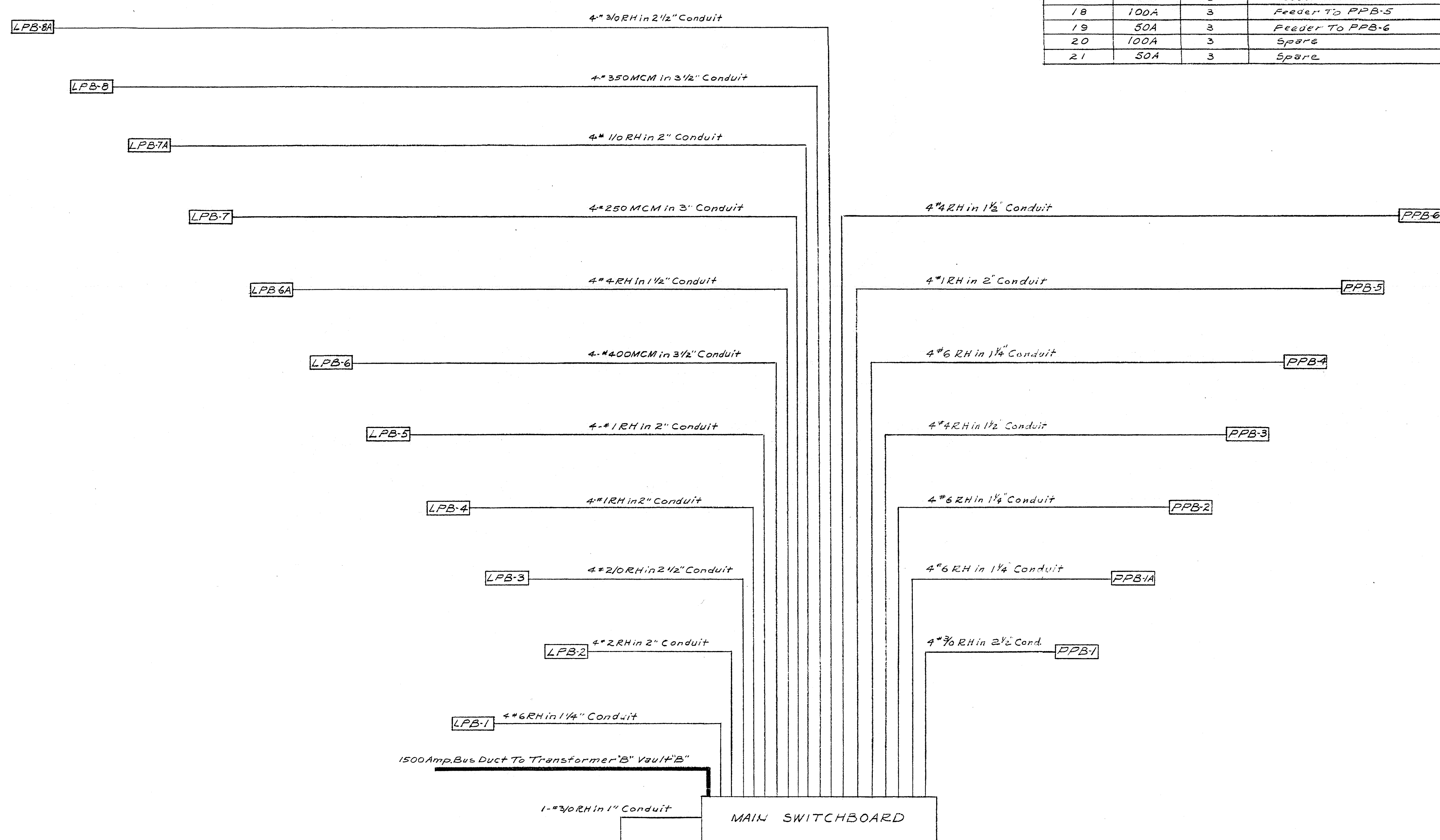
5608 E12



POWER PANEL SCHEDULE					
PANEL NO.	LOCATION	CIRCUIT BREAKER			SERVICE
		NO.	SIZE	POLES	
PPB-1	BOILER ROOM	1	50 A	3	Oil Burner Panel
		1	50 A	3	Oil Burner Panel
		1	50 A	3	Oil Burner Panel
		1	50 A	3	Circulating Pump P-1 15 H.P.
		1	50 A	3	Circulating Pump P-2 15 H.P.
		1	15 A	3	Oil Transfer Pump 1/2 H.P.
		1	15 A	3	Circulating Pump P-3 1/2 H.P.
		2	15 A	3	Spares
PPB-1A	BOILER ROOM	1	15 A	3	Sump Pump 1/2 H.P.
		1	15 A	3	Sump Pump 1/2 H.P.
		1	15 A	1	Domestic H.W. Circ. Pump 1/2 H.P.
		1	15 A	3	Domestic H.W. Circ. Pump 1/2 H.P.
		1	15 A	3	Air Comp. 1/2 H.P.
		3	15 A	3	Spares
PPB-2	CORRIDOR #163	1	15 A	1	Root Exhaust Fan E-45 1/2 H.P.
		1	15 A	1	2 Unit Ventilators U.V.'s 1/2 H.P. ea.
		1	15 A	3	Root Exhaust Fan E-48 1/2 H.P.
		1	15 A	3	Supply Fan (Crawl Space) H.V.'s 1/2 H.P.
		1	15 A	1	Unit Heater U.H.'s 1/2 H.P.
		1	15 A	1	4 Unit Ventilators U.V.'s 1/2 H.P. ea.
		1	15 A	1	Outdoor Bulb
		3	15 A	3	Spares
PPB-3	CORRIDOR #130	1	15 A	1	Root Exhaust Fan E-42 1/2 H.P.
		1	15 A	3	Exhaust Fan (Crawl Space) E-12 1 H.P.
		1	15 A	1	5 Unit Ventilators U.V.'s 1/2 H.P. ea.
		1	15 A	1	2 Unit Ventilators U.V.'s 1/2 H.P. ea.
		1	15 A	1	Root Exhaust Fan E-43 1/2 H.P.
		1	15 A	1	Unit Heater U.H.'s 1/2 H.P.
		1	15 A	3	Exhaust Fan (Crawl Space) E-11 1/2 H.P.
		1	15 A	1	Root Exhaust Fan E-38 1/2 H.P.
		1	15 A	1	Unit Heater U.H.'s 1/2 H.P.
		3	15 A	3	Spares
PPB-4	STORAGE #175	1	15 A	1	Unit Heater U.H.'s 1/2 H.P.
		1	15 A	1	Root Exhaust Fan E-50 1/2 H.P.
		1	15 A	3	Root Exhaust Fan E-49 1/2 H.P.
		1	15 A	3	Supply Fan (Crawl Space) H.V.'s 1/2 H.P.
		1	15 A	1	Unit Heater U.H.'s 1/2 H.P.
		1	15 A	1	Root Exhaust Fan E-47 1/2 H.P.
		1	15 A	3	Supply Fan (Crawl Space) H.V.'s 1/2 H.P.
		3	15 A	3	Spares
PPB-5	PASSAGE #151	1	15 A	3	Exhaust Fan E-14 1/2 H.P.
		1	15 A	3	Exhaust Fan E-13 1/2 H.P.
		1	20 A	3	Supply Fan H.V.'s 1 H.P.
		1	15 A	3	Supply Fan H.V.'s 1 H.P.
		1	15 A	1	Unit Heater U.H.'s 1/2 H.P.
		1	15 A	1	Root Exhaust Fan E-46 1/2 H.P.
		1	50 A	3	Root Exhaust Fan E-53 1/2 H.P.
		3	50 A	3	Circulating Pump P-7 10 H.P.
PPB-6	CORRIDOR #130	1	15 A	3	Supply Fan H.V.'s 1 H.P.
		1	15 A	3	Exhaust Fan E-15 1/2 H.P.
		1	15 A	1	Root Exhaust Fan E-41 1/2 H.P.
		1	15 A	1	Unit Heater U.H.'s 1/2 H.P.
		1	15 A	1	Unit Heater U.H.'s 1/2 H.P.
		3	15 A	3	Spares

LIGHTING PANEL SCHEDULE					
PANEL NO.	LOCATION	CIRCUIT BREAKER			SERVICE
		NO.	SIZE	POLES	
LPB-1	BOILER ROOM	20	20 A	1	Lighting
		4	20 A	1	Spares
LPB-2	CORRIDOR #163	31	20 A	1	Lighting
		7	20 A	1	Spares
LPB-3	EXHIBIT & DISPLAY #92	27	20 A	1	Lighting
		5	20 A	1	Spares
LPB-4	EXHIBIT & DISPLAY #105	28	20 A	1	Lighting
		5	20 A	1	Spares
LPB-5	CORRIDOR #130	33	20 A	1	Lighting
		5	20 A	1	Spares
LPB-6 STAGE DIMMER BOARD					
LPB-6A	PLATFORM #153	18	20 A	1	Lighting
		6	20 A	1	Spares
LPB-7	CORRIDOR #130	29	20 A	1	Lighting
		5	20 A	1	Spares
LPB-7A	BAND PRACTICE #141	11	20 A	1	Lighting
		5	20 A	1	Spares
LPB-8	CORRIDOR #163	31	20 A	1	Lighting
		5	20 A	1	Spares
LPB-8A	LANGUAGE ARTS #151	10	20 A	1	Lighting
		6	20 A	1	Spares

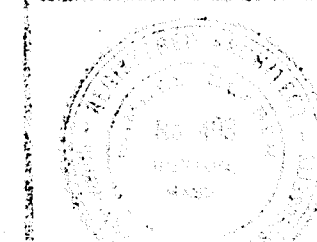
MAIN SWITCHBOARD SCHEDULE - TRANSFORMER 'B'			
BREAKER	CIRCUIT BREAKER		SERVICE
	SIZE	POLES	
1	1600 A	3	Main Breaker
2	50 A	3	Feeder To LPB-1
3	100 A	3	Feeder To LPB-2
4	100 A	3	Feeder To LPB-3
5	100 A	3	Feeder To LPB-4
6	100 A	3	Feeder To LPB-5
7	300 A	3	Feeder To LPB-6
8	50 A	3	Feeder To LPB-6A
9	70 A	3	Feeder To LPB-7
10	50 A	3	Feeder To LPB-7A
11	100 A	3	Feeder To LPB-8
12	30 A	3	Feeder To LPB-8A
13	175 A	3	Feeder To PPB-1
14	50 A	3	Feeder To PPB-1A
15	50 A	3	Feeder To PPB-2
16	50 A	3	Feeder To PPB-3
17	30 A	3	Feeder To PPB-4
18	100 A	3	Feeder To PPB-5
19	50 A	3	Feeder To PPB-6
20	100 A	3	Spares
21	50 A	3	Spares



SCHÉMATIC FEEDER SYSTEM TRANSFORMER 'B' VAULT 'B'  
No Scale

SCHEDULES VAULT 'B'

FRAMINGHAM HIGH SCHOOL  
FLAGG DRIVE  
FRAMINGHAM, MASSACHUSETTS



J.M. MCCUSKER ASSOCIATES  
CONSULTING ENGINEERS BOSTON, MASS.

DESIGNED BY G.L.C. DATE MAY 25, 1956  
CHECKED BY R.J.K. APPROVED BY J.M.

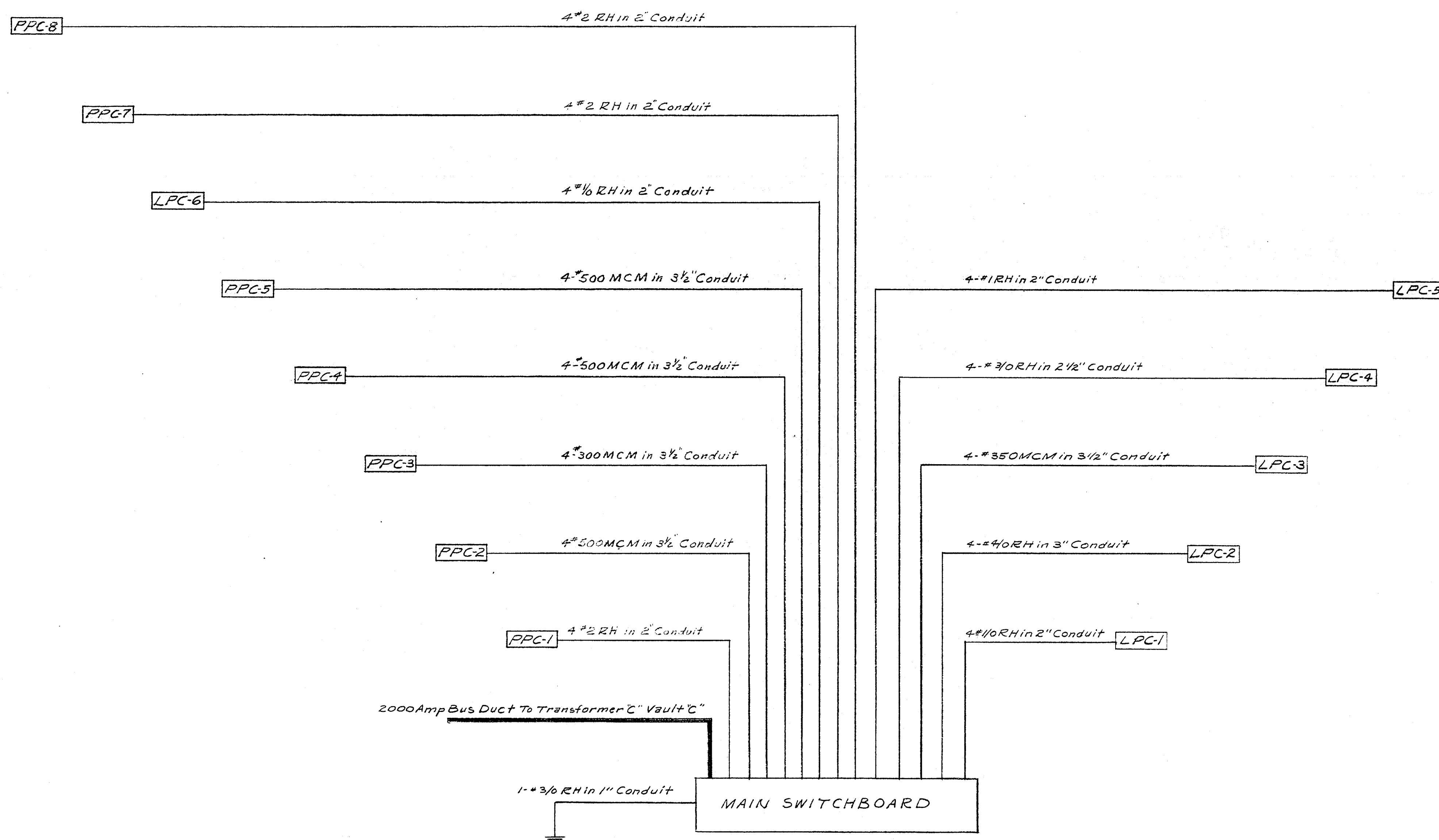
5608 E-13



POWER PANEL SCHEDULE					
PANEL NO.	LOCATION	CIRCUIT BREAKER			SERVICE
		NO.	SIZE	POLES	
PPC-1	CORRIDOR #55	1	15A	1	Root Exhaust Fan E-29 1/2 HP
		1	15A	1	Toilet Exhaust Fan E-4 1/2 HP
		1	15A	1	Root Exhaust Fan E-33 1/2 HP
		1	15A	1	Root Exhaust Fan E-32 1/2 HP
		1	15A	1	2 Unit Ventilators 1/2 HP ea.
		1	15A	1	Auto. Exhaust Fan 1/2 HP
		1	15A	3	Root Exhaust Fan E-28 1 HP
		1	15A	3	Auto. Supply Fan H.W. 2 HP
		1	15A	1	Unit Heater U.H. 1 1/2 HP
		1	15A	1	3 Unit Ventilators 1/2 HP
		1	15A	1	Exh. Fan (Crawl Space) E-3 1/2 HP
		1	15A	1	Office Exhaust Fan E-34 1/2 HP
		3	15A	1	Unit Heater U.H. 2 1/2 HP
3	15A	3	Blueprint Machine Exhaust Fan E-5 1/2 HP		
PPC-2	MACHINE SHOP	1	20A	3	Air Compressor SHP
		1	100A	3	Trolley Duct
		1	100A	3	Trolley Duct
		1	100A	3	Trolley Duct
		3	15A	1	Spare
PPC-3	POWER MACH. SHOP	1	125A	3	Special Elec. Equip. Panel (PPX-1)
		1	20A	3	Trolley Duct
		2	15A	1	Spare
		2	15A	1	Spare
PPC-4	METAL SHOP	1	100A	3	Trolley Duct
		3	15A	1	Spare
		3	15A	1	Spare
PPC-5	WOODSHOP	1	20A	3	Air Compressor SHP
		1	100A	3	Trolley Duct
		1	100A	3	Trolley Duct
		4	15A	1	Spare
PPC-6	VESTIBULE #34	1	15A	1	Root Exhaust Fan E-31 1/2 HP
		1	15A	1	Exh. Fan (Crawl Space) E-1 1/2 HP
		1	15A	1	Root Exhaust Fan E-26 1/2 HP
		1	15A	3	Dust Collector 3 HP
		1	15A	1	Office Exhaust 1/2 HP
		1	15A	1	Spray Booth Exhaust 1/2 HP
		1	15A	1	4 Unit Ventilators 1/2 HP ea.
		1	15A	3	Hood Exhaust Fan E-27 1 HP
		1	15A	1	Exhaust Fan E-6 1/2 HP
		1	15A	1	Unit Ventilator 1/2 HP
		1	15A	3	Exhaust Fan (Crawl Space) E-2 1 HP
		1	15A	1	3 Unit Ventilators 1/2 HP ea.
		1	15A	1	Supply Fan (Crawl Space) S-1 1/2 HP
		1	15A	1	Unit Heater U.H. 3 1/2 HP
		1	15A	1	Unit Ventilator 1/2 HP
		2	15A	3	Multigraph Press 1/2 HP
2	15A	3	Platen Press 1/2 HP		
2	15A	1	Spare		
PPC-7	VESTIBULE #34	1	15A	1	Exhaust Fan E-39 1/2 HP
		1	15A	3	Exhaust Fan (Crawl Space) E-8 3/4 HP
		1	15A	1	2 Unit Ventilators 1/2 HP ea.
		1	15A	1	Root Exhaust Fan E-36 1/2 HP
		1	15A	1	3 Unit Ventilators 1/2 HP ea.
		1	15A	1	Exhaust Fan (Crawl Space) E-5 1/2 HP
		1	15A	1	4 Unit Ventilators 1/2 HP ea.
		1	20A	3	Circ. Pump (Crawl Space) P-5 5 HP
		1	20A	3	Circ. Pump (Crawl Space) P-6 5 HP
		1	15A	1	Special Machine
		1	30A	3	Special Elec. Equip. Panel (SD-1)
1	30A	3	Special Elec. Equip. Panel (SD-2)		
1	20A	3	Electric Kiln		
1	15A	1	Hood Exhaust Fan (Arts & Crafts) 1/2 HP		
1	15A	1	Fume Hood (Chemistry Lab.) 1/2 HP		
2	15A	3	Spare		
2	15A	1	Spare		
PPC-8	CORRIDOR #78	1	15A	3	Exhaust Fan E-40 1/2 HP
		1	15A	3	Exh. Fan (Crawl Space) E-10 1/2 HP
		1	15A	1	4 Unit Ventilators 1/2 HP ea.
		1	15A	1	Root Exhaust Fan E-37 1/2 HP
		1	15A	1	4 Unit Ventilators 1/2 HP ea.
		1	15A	1	Unit Heater U.H. 6 1/2 HP
		3	15A	1	Spare
		2	15A	3	Spare

LIGHTING PANEL SCHEDULE					
PANEL NO.	LOCATION	CIRCUIT BREAKER			SERVICE
		NO.	SIZE	POLES	
LPC-1	VESTIBULE #34	36	20A	1	Lighting
		4	20A	1	Spare
LPC-2	CORRIDOR #55	35	20A	1	Lighting
		7	20A	1	Spare
LPC-3	VESTIBULE #34	33	20A	1	Lighting
		7	20A	1	Spare
LPC-4	CORRIDOR #78	34	20A	1	Lighting
		8	20A	1	Spare
LPC-5	CORRIDOR #55	32	20A	1	Lighting
		6	20A	1	Spare

MAIN SWITCHBOARD SCHEDULE TRANSFORMER "C"			
BREAKER	CIRCUIT BREAKER		SERVICE
	SIZE	POLES	
1	2000A	3	Main Breaker
2	125A	3	Feeder To LPC-1
3	125A	3	Feeder To LPC-2
4	125A	3	Feeder To LPC-3
5	125A	3	Feeder To LPC-4
6	100A	3	Feeder To LPC-5
7	50A	3	Feeder To PPC-1
8	300A	3	Feeder To PPC-2
9	225A	3	Feeder To PPC-3
10	200A	3	Feeder To PPC-4
11	225A	3	Feeder To PPC-5
12	70A	3	Feeder To PPC-6
13	70A	3	Feeder To PPC-7
14	50A	3	Feeder To PPC-8
15	100A	3	Spare
16	50A	3	Spare



SCHMATIC FEEDER SYSTEM TRANSFORMER "C" VAULT "C"

No Scale

SCHEDULES VAULT "C"

FRAMINGHAM HIGH SCHOOL  
FLAGG DRIVE  
FRAMINGHAM, MASSACHUSETTS

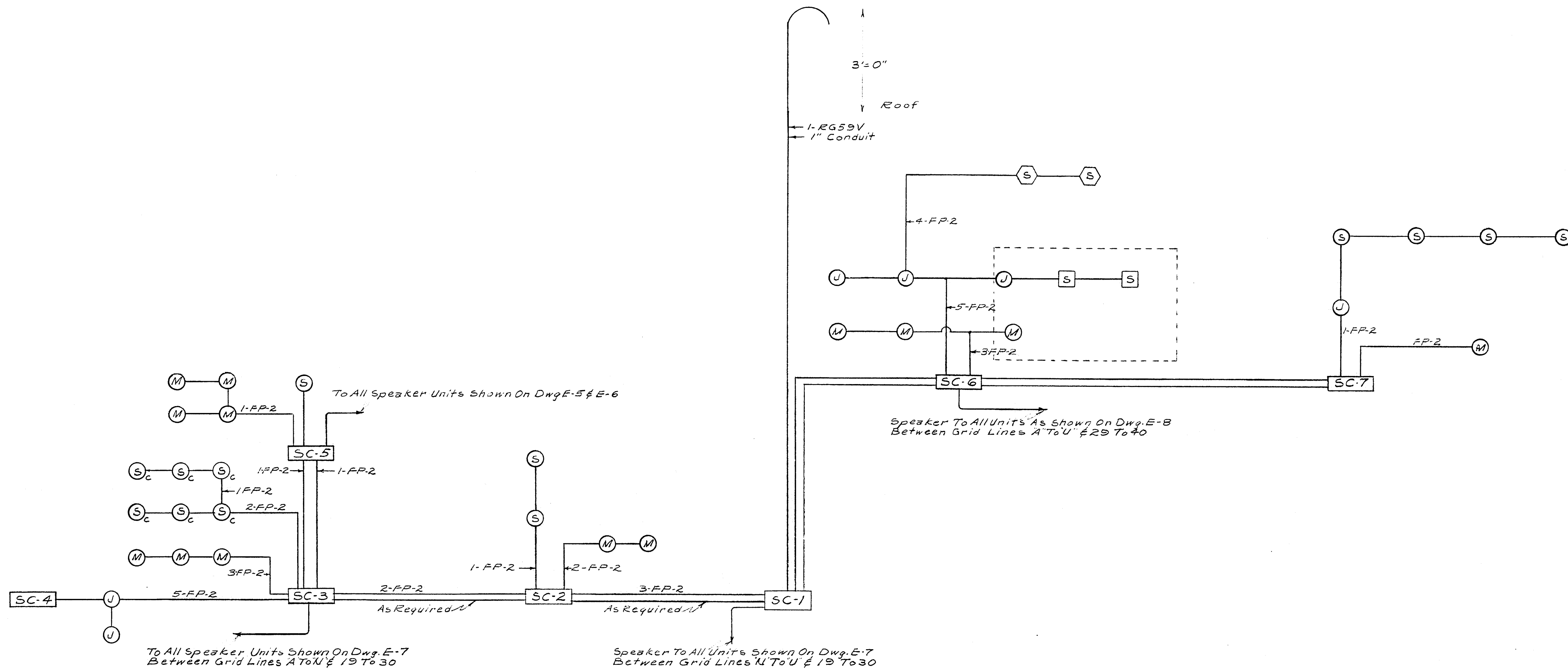
J.M. McCusker Associates  
CONSULTING ENGINEERS BOSTON, MASS.

DATE: G.L.C. MAY 25, 1956

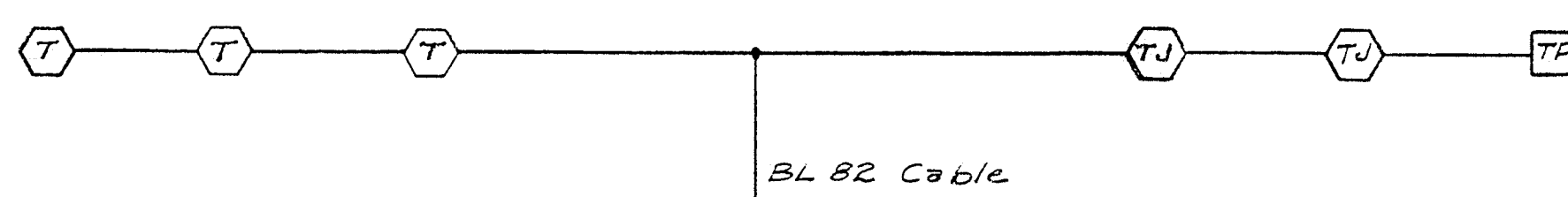
DESIGNED BY: R.J.K. APPROVED BY: J.M.

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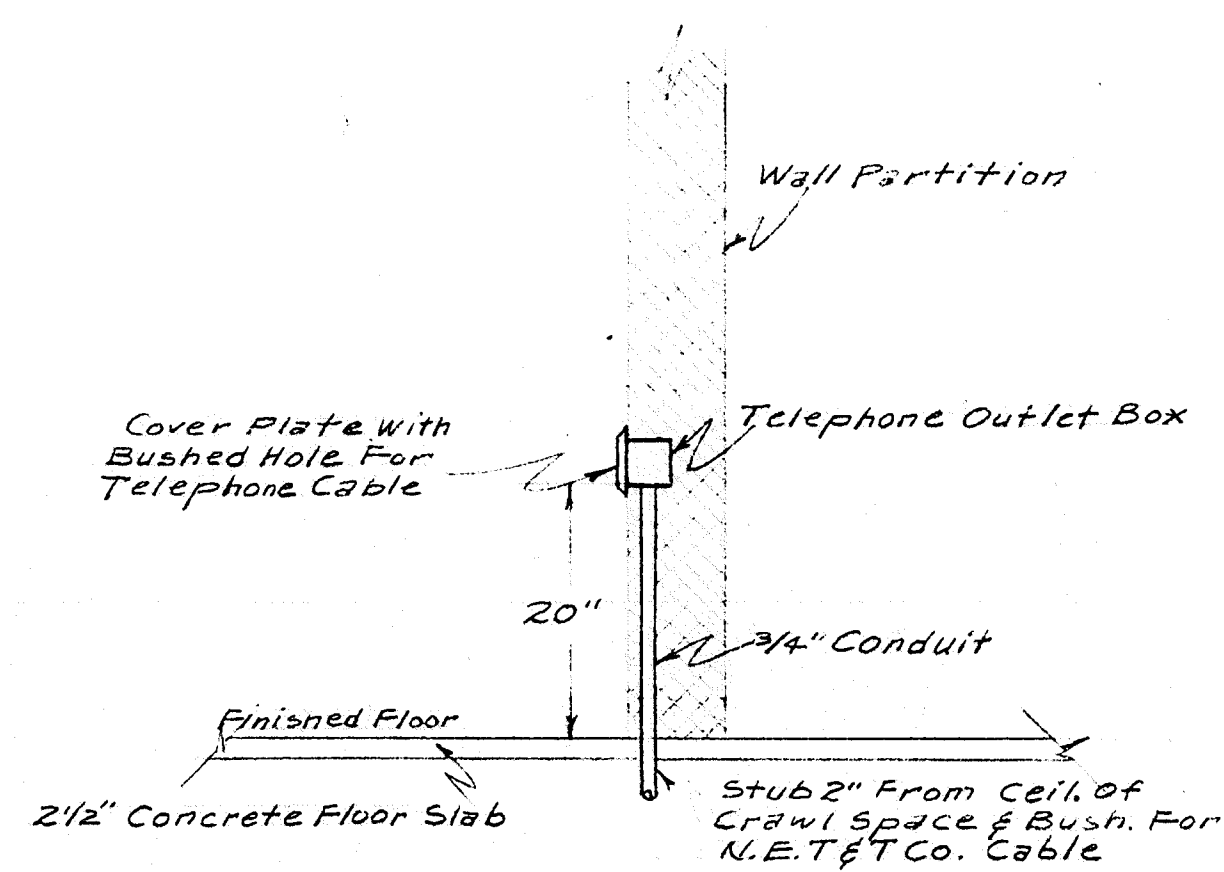




**SCHEMATIC CENTRALIZED SOUND SYSTEM**  
No Scale

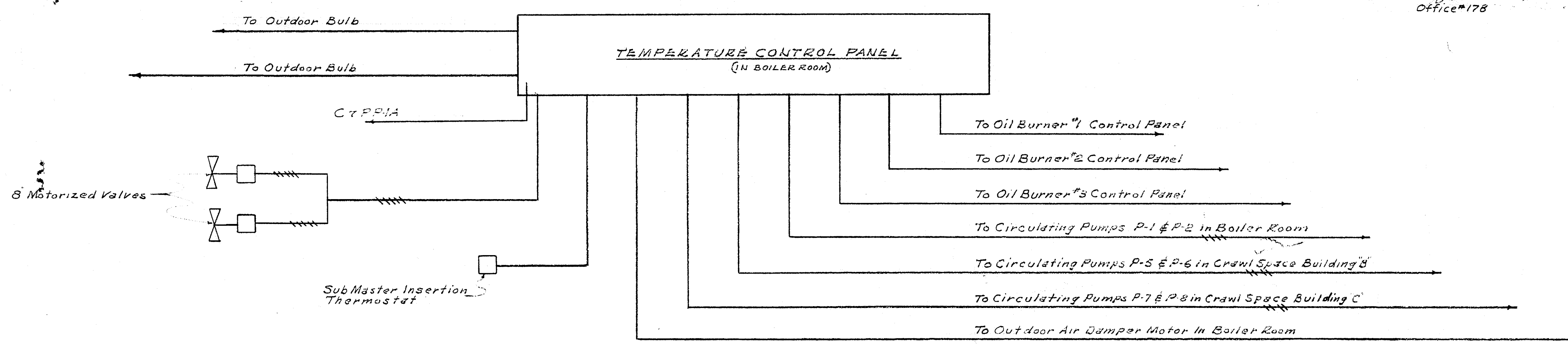


**AUDITORIUM TELEPHONE SYSTEM**  
No Scale

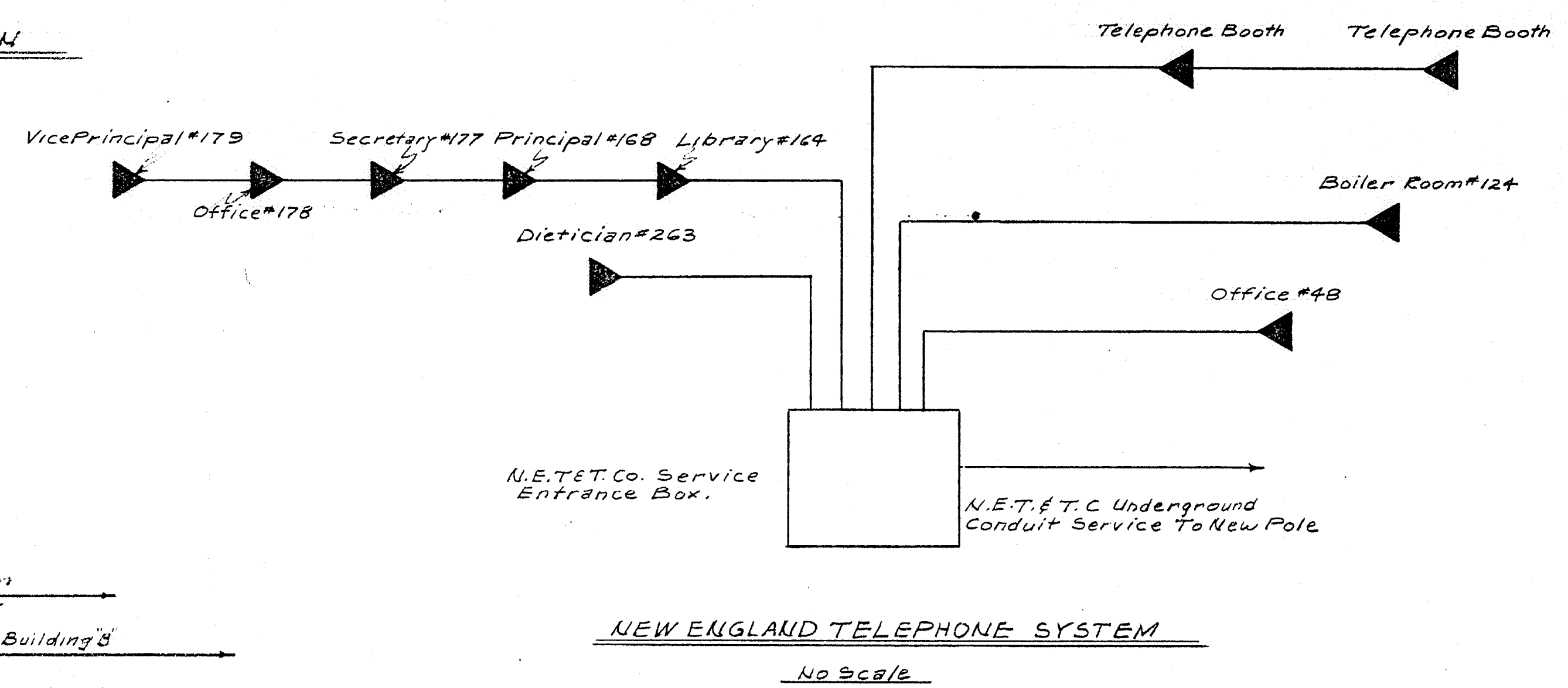


**TYPICAL TELEPHONE OUTLET INSTALLATION**  
No Scale

- EQUIPMENT LEGEND**
- (S) Wall Type Flush Speaker - CF8-RC27-TR-13
  - (C) Ceiling Type Flush Speaker - CLF8-RC27-TR-13
  - (SM) Speaker RP48-RD-21
  - (Sx) Wall Type Flush Speaker CF8-RF471-TR-30
  - (Sx) Wall Type Flush Speaker LB-12-RF471-RP-48-TR-30
  - (S) Hanging Type Speaker FB-RF471-3-RP48-RD-21-TR-30
  - (J) Speaker Disconnect Jack
  - (M) Floor Microphone Receptacle, Hubbell 10 Amp-3 Wire
  - (A) Call Origination-Privacy Switch SW-245
  - (SC7) Central Console Cabinet 36" WX 24" HX 4" D
  - (SC2) Language Arts Sound Cabinet 3 Gang Box
  - (SC3) Auditorium Sound Cabinet - FC-4-4" WX 10" HX 11" D
  - (SC4) Remote Volume Control Cabinet - FC-4-4" WX 10" HX 5" D
  - (SC5) Music Room Sound Cabinet 12" WX 2" HX 4" D
  - (SC6) Gym Sound Cabinet FA-5T
  - (SC7) Cafeteria Sound Transfer Cabinet - FC-4-4" WX 10" HX 5" D
  - (TP) Production Control Telephone D.C. Power Unit
- Note: All Equipment Numbers Shown Are Stromberg Carlson, For Illustrative Purpose Only.



**SCHEMATIC BOILER WATER TEMPERATURE CONTROL**  
No Scale



**NEW ENGLAND TELEPHONE SYSTEM**  
No Scale

**SCHEMATIC DIAGRAMS**

FRAMINGHAM HIGH SCHOOL  
FLAGG DRIVE  
FRAMINGHAM, MASSACHUSETTS

J.M. McCusker Associates  
CONSULTING ENGINEERS BOSTON, MASS.

DATE: MAY 25, 1956

5608 **E-15**