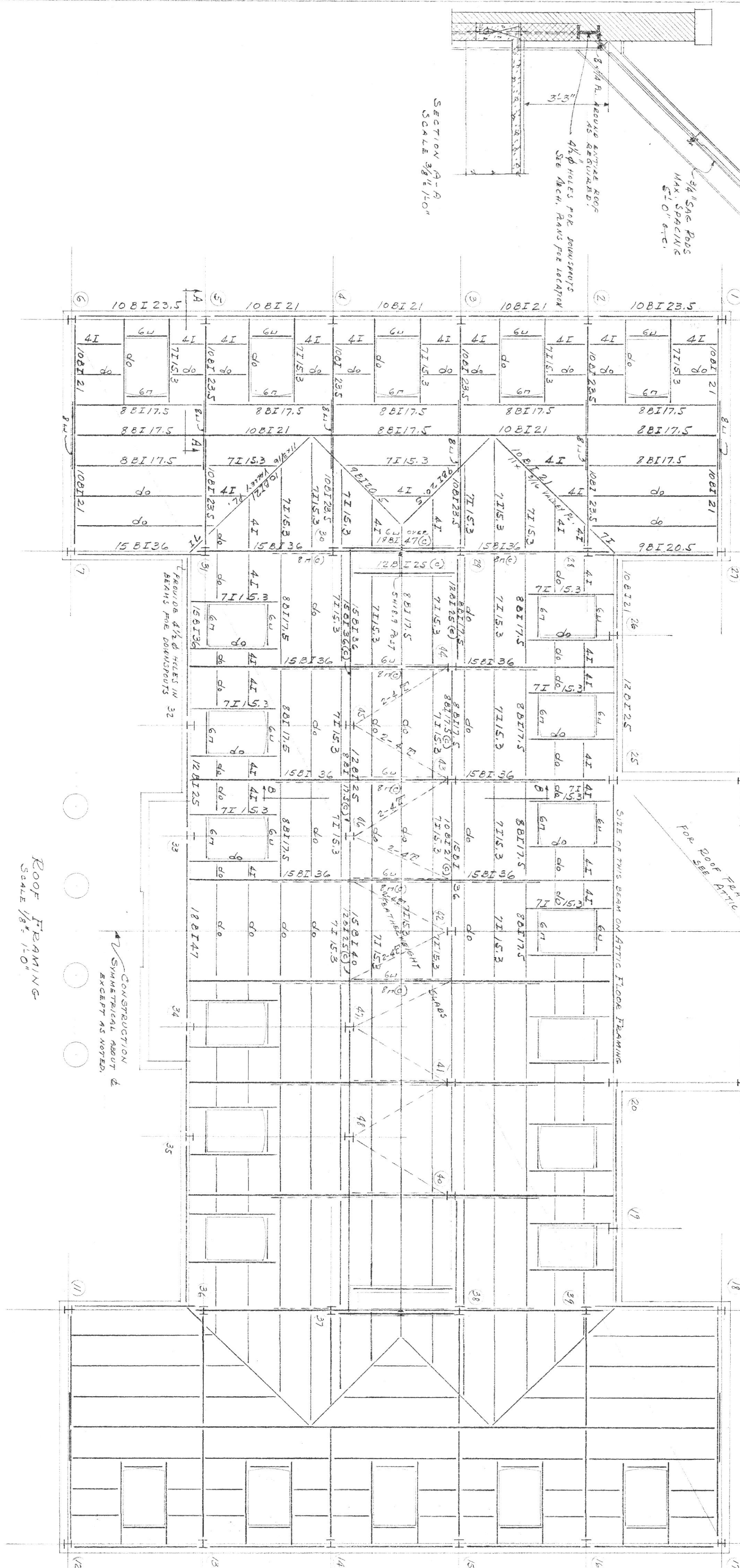


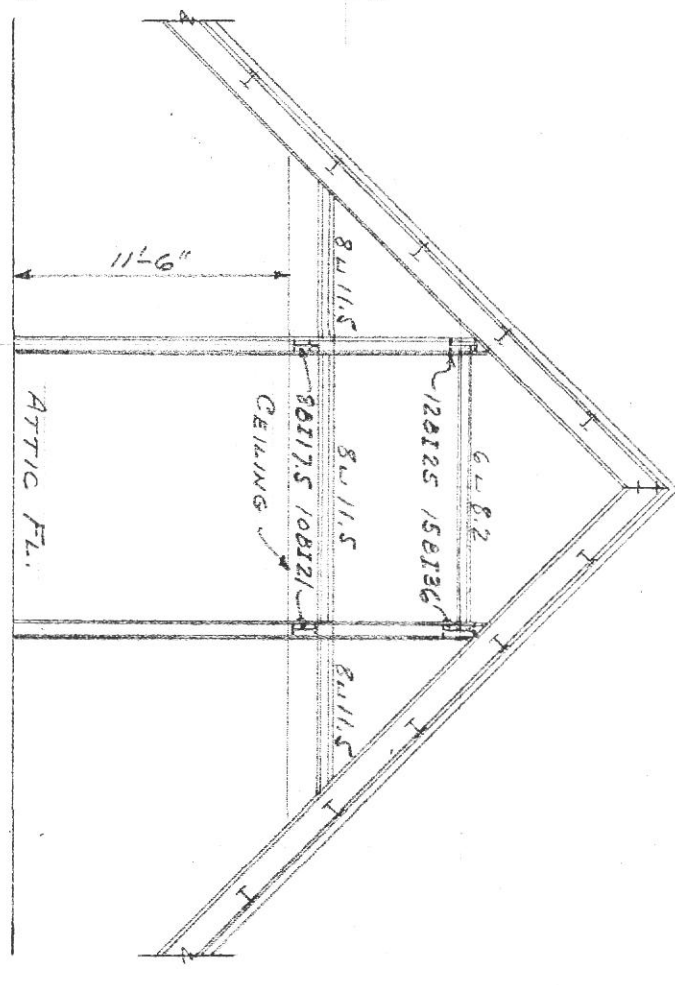
SPECIFICATIONS FOR NAILING CONCRETE SLABS.
STANDARD SLABS TO CARRY 250 LBS. PER SQ. FT. ULTIMATE LOAD UNIFORMLY DISTRIBUTED WHEN RESTING ON SUPPORTS SPACED THE SAME AS THE SPACINGS. ALL SLABS TO BE AS NEARLY PERFECT AS GOOD WORKMANSHIP WILL PERMIT AND NO CRACKS DEEPER OR MORE SLABS ARE TO BE PLACED IN THE ROOF. MANUFACTURE SHALL NOT BE STARTED UNTIL THIS CONTRACTOR HAS SECURED APPROVAL OF HIS PRECAST SLAB DETAILS. ALL SLABS ARE TO BE ERECTED BY OR UNDER THE SUPERVISION OF THE MANUFACTURER. WHERE SPECIFIED, THE ROOF BEAMS ARE TO BE PRECAST FRAMEWORK NAILING CONCRETE PLANT SLABS DESIGNED FOR THE JOINTS SHOWN, WITH A TOP SECTION OF 1/4" OF NAILING CONCRETE CAST INTEGRAL WITH THE FRAMEWORK AT CONCRETE BOTTOM SECTION. JOINT JOINTS BETWEEN SLABS TO BE FILLED WITH CEMENT MORTAR.

11'-6" TO FIN. ATTIC FL.
CEILING
8'-11.5"
3/4" SAE RODS MAX. SPACING 6'-0" ETC.
4" HOLES FOR DOWNSPUTS SEE ARCH. PLANS FOR LOCATION
SECTION A-A
SCALE 3/8" = 1'-0"



ROOF FRAMING
SCALE 1/8" = 1'-0"

GENERAL NOTES:
WOOD DOWNSPUTS ARE TO BE FRAMED COMPLETELY OF WOOD. PROVIDE HOLES IN ROOF BEAMS AND RAFTERS AS DIRECTED OR AS MAY BE REQUIRED TO SUPPORT DOWNSPUTS AND FUTURE GUTTERS. SEE ARCHITECT'S PLANS FOR FRAMING OF WOOD ROOF OVER PORCHES. IN GENERAL ALL ROOF FRAMING MAY BE BOLTED OVER ALL THREADS. (C) BOLTED BEAMS AT CEILING LEVEL.



SECTION B-B

VAN R. P. Saxe CONSULTING ENGINEER BALTIMORE, MD.		DATE: MAY, 1931	SCALE: 1/8" = 1'-0"	SHEET NO. 56
A. SCIENCE BUILDING FOR E.M.W.C. LYNCHBURG, VIRGINIA.		STANHOPE, S. JOHNSON & R. O. BRANNAN ARCHITECTS LYNCHBURG, VA.		

LECTURE ROOMS 75[#] L.L.
OTHER FLOORS 50[#] L.L.

Diagram illustrating a typical column splice. The diagram shows a cross-section of a column with a splice. Key components labeled include:

- 3/8" SPlice PL**: A splice plate used to join the reinforcement bars.
- 3/4" BUTT PL**: A butt plate used to join the reinforcement bars.
- (omit BUTT PL FOR 8H TO 8'4")**: A note indicating that the butt plate is not required for columns with a height between 8 feet and 8 feet 4 inches.
- COLUMNS WELDED TO DECK**: A label indicating that the columns are welded to the deck.
- REINETS-3/4"**: A label indicating the use of reinforcement ties.

TYPICAL COLUMN SPLICE

LINTEL SCHEDULE

MAKER MATERIAL

Maker	MATERIAL
L1	4-3 x 3/8 L LOOSE
L1A	5-3 x 3/8 L BOILED TO CONC. 3/4" - 3'0.0."
L3	3-4 x 3 x 3/8 L.5 LOOSE
L3A	3-5 x 3 x 3/8 L.5 LOOSE

STEEL BAR SCHEDULE

BAR#	No. of 3/16" Holes	STEEL BAR#
4 L 5.4	6	6
5 L 6.7	6	6
6 L 8.2	9	8
4 I 7.7	8	8
5 I 10.0	10	10
5 I 12.25	12	12
5 I 14.75	14	14
6 I 12.5	12	12
ALL 7 I 5	16	16
8 I 18.4	18	18
4 H 18.8	14	14
5 H 18.9	18	18
2-5 I 10.0	40	20
2-6 I 12.5	48	24
2-4 H 18.8	56	28

MAKING THICK.	REINFORCEMENT	THE CLASS
A	$2\frac{1}{2}''$	$2-3/8\phi$
B	$4''$	$4-3/8\phi$
C	$5\frac{1}{2}''$	$4-3/8\phi$
D	$4''$	$4-5/8\phi$
E	$5''$	$2-3/8\phi$
G	$5''$	$4-3/8\phi$

TYPICAL CONNECTIONS - SYSTEM "M" BEAMS TO COLUMNS.

MINIMUM CONNECTION 4- $\frac{3}{8}$ " DIETS.
 FOR GUSSET LONGS USE 8x6x $\frac{3}{4}$ "
 SEAT ANGLE. FOR LONGS REQUIRING
 MORE THAN 6 GUSSETS USE 1" MILD
 PLATE STRENGTHENERS. SYS "S" SAME.

TYPICAL CONNECTIONS - SYSTEM "S" BEAMS AND SPREADER STEEL BEAMS.

1" MINUS OF SAME
 AS. THEIN
 CONCRETE.
 BEAM "Q" SLABS OCCUR.
 IS. 4'-0" LONG.

TOP OF ROUGH SLABS
 WIRE MESH
 MINUS DEPTHS
 BEAM WIDTHS
 (BASIC 48x80)
 TOP OF ROUGH SLABS
 MINUS DEPTHS
 BEAM WIDTHS
 (BASIC 48x80)

Technical drawing of a mechanical part, likely a filter, showing a top view and a side view. The top view is a rectangle with a central circular feature and four smaller circular features arranged in a square pattern. The side view shows the profile of the part, including a curved top and a flat base. Dimensions are given in inches.

Top View Dimensions:

- Overall Width: 3 1/8" BUTT PL.
- Overall Height: 3 1/8" GRIND PL. (2)
- Inner Width: 2 1/8" (8H TO 8H)
- Inner Height: 2 1/8" (8H TO 8H)

Side View Dimensions:

- Overall Height: 3 1/8" BUTT PL.
- Overall Width: 3 1/8" GRIND PL. (2)
- Inner Width: 2 1/8" (8H TO 8H)
- Inner Height: 2 1/8" (8H TO 8H)

Notes:

- Column 11/12
- TO BEAR
- RUTS-3/4"

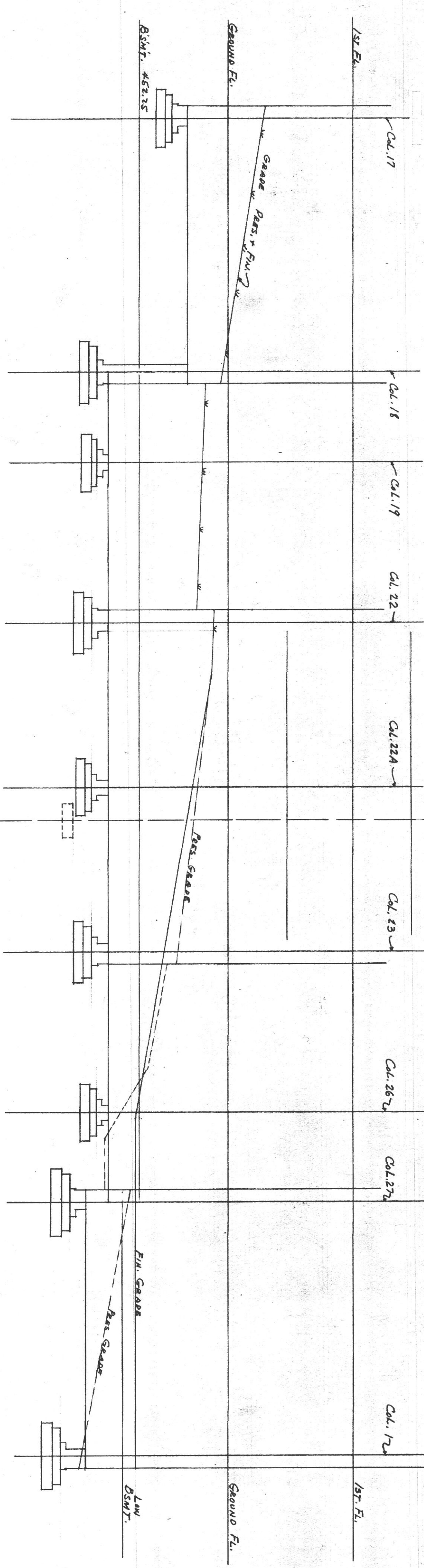
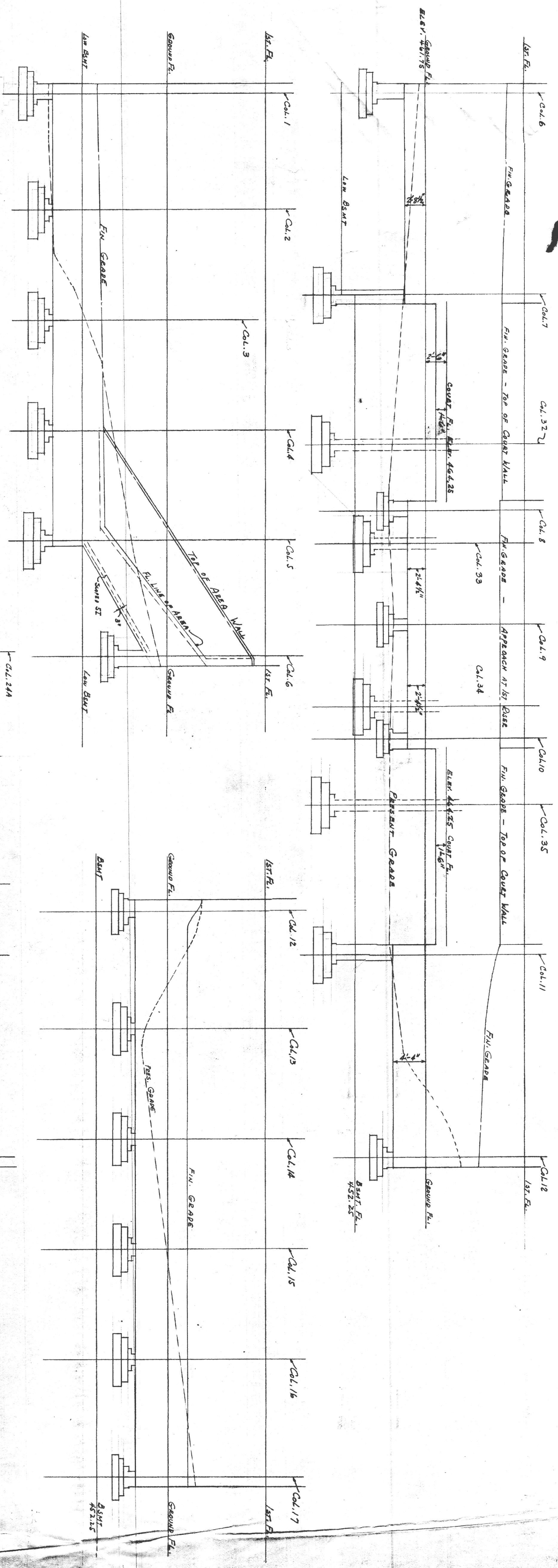
MINIMUM CONNECTION 4-6 DIETERS
FOR 6 GUNTERS USE 8 x 6 x 3/4
SEAT ANGLE, 7/8 LUGS REQUIRED
MORE THAN 6 GUNTERS USE 1" MILLED
PLATE STEEL, 5/8 x 5" SAME.

BEAMS AND STRUCTURAL STEEL BEAMS.

VAN R. P. SAXE
CONSULTING ENGINEER
BALTIMORE, MD.

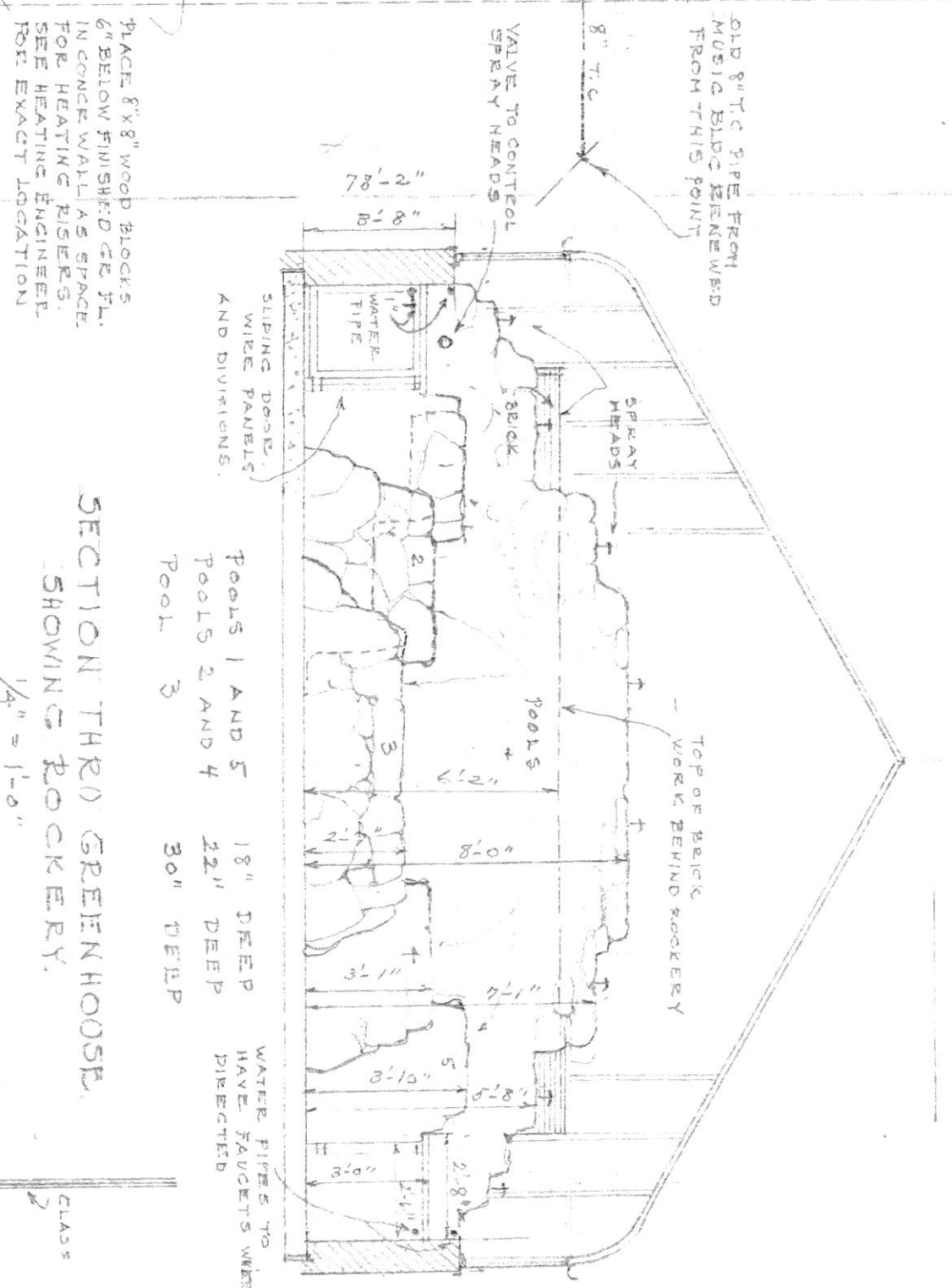
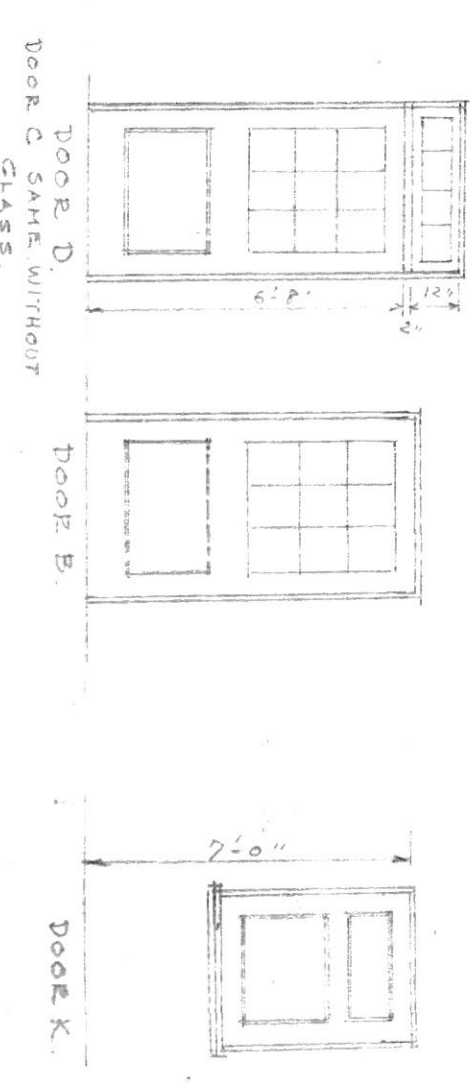
A. SCIENCE BUILDING FOR P.M.W.C.
LYNCHBURG, VIRGINIA.

STANHOPE S. JOHNSON & R. O. BRANNAN,
ARCHITECTS
LYNCHBURG, VA.



VAN E. P. Saxe CONSULTING ENGINEER BALTIMORE, MD.		DATE MAY 1931 SCALE 1/8" = 1'-0" SHEET NO. 58
A. SCIENCE BUILDING FOR BRYNMAWR LYNCHBURG VIRGINIA STANHOPE S JOHNSON & P. O. BRANNAN ARCHITECTS LYNCHBURG VA.		

BASEMENT DOOR SCHEDULE									
NO.	SIZE	TYPE	GLASS	TRANSOM	MATERIAL	REMARKS			
A	2-8'x7-2"	YES	NO	NO	WOOD	1 PANEL WOOD 6 LB GLASS			
B	3-8'x6-8"	NO	WIRE	NO	KALAMEN	HOLLOW METAL FRAME			
C	3-6'x6-8"	NO	CL. GLASS	NO	WOOD	2 PANEL WOOD 1 LB GLASS			
D	2-6'x6-8"	NO	CL. GLASS	NO	WOOD	1 PANEL 1 LB GLASS			
E	3-0'x6-8"	NO	CL. GLASS	NO	WOOD	2 PANEL WOOD 1 LB GLASS			
F	3-0'x6-8"	NO	CL. GLASS	NO	WOOD	2 PANEL WOOD 1 LB GLASS			
G	2-6'x6-8"	NO	CL. GLASS	NO	WOOD	2 PANEL WOOD 1 LB GLASS			
H	2-6'x6-8"	NO	CL. GLASS	NO	WOOD	2 PANEL WOOD 1 LB GLASS			
I	3-0'x6-8"	NO	CL. GLASS	NO	WOOD	2 PANEL WOOD 1 LB GLASS			
J	3-0'x6-8"	NO	CL. GLASS	NO	WOOD	2 PANEL WOOD 1 LB GLASS			
K	3-0'x6-8"	NO	CL. GLASS	NO	WOOD	2 PANEL WOOD 1 LB GLASS			
L	3-0'x6-8"	NO	CL. GLASS	NO	WOOD	2 PANEL WOOD 1 LB GLASS			



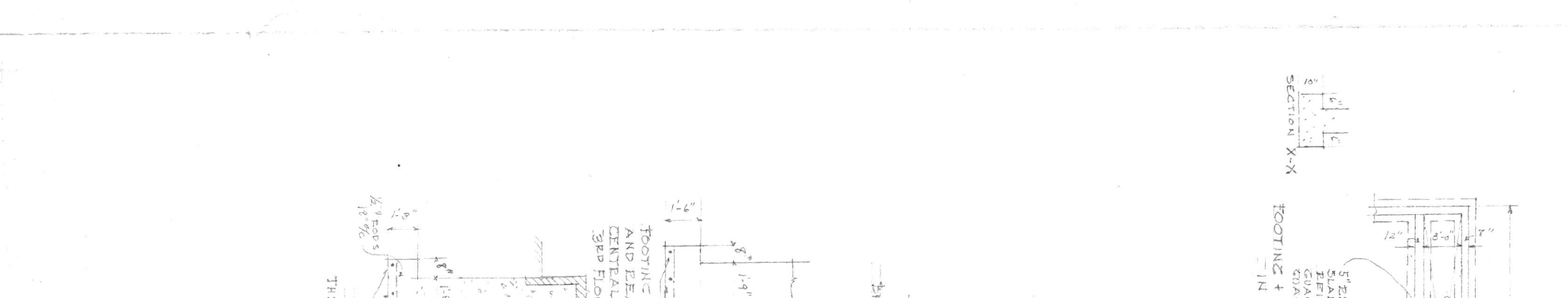
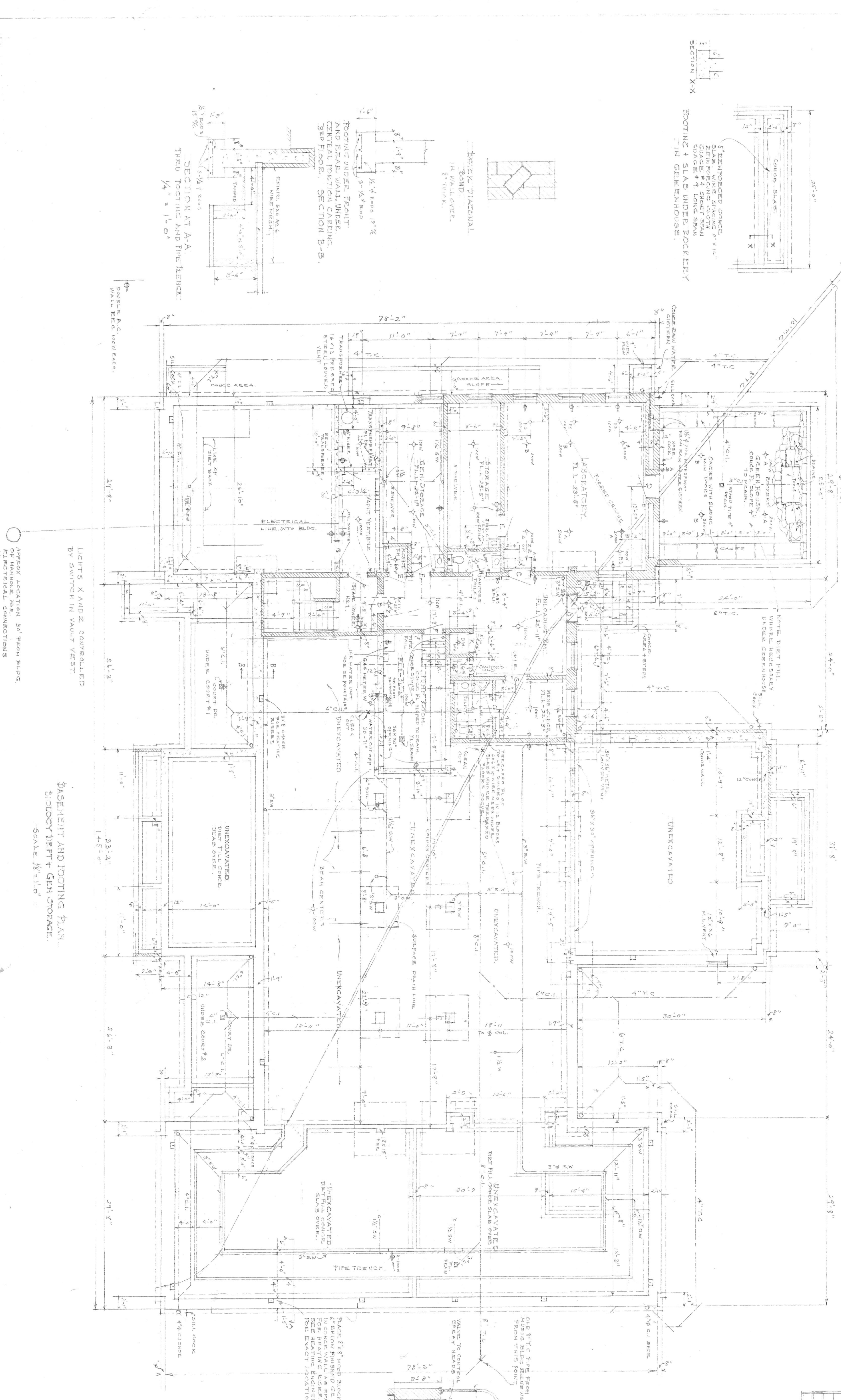
NOTE: ALL FINISHED DEPARTMENTS IN BASEMENT TO HAVE CONCRETE FLOORS EXCEPT MEN'S TOILET WHICH WILL BE TERRAZZO. USE 6X6 WIRE MESH IN ADDITION UNDER ALL FLS. HARBED TERRAZZO FOR STAIR LANDINGS ALSO.

STANHOPE & JOHNSON ARCHT
LYNCHBURG VIRGINIA

BASEMENT AND FOOTING PLAN
BIOLOGY DEPT + GEN STORAGE
SCALE 1/8" = 1'-0"

LIGHTS X AND Z CONTROLLED BY SWITCH IN VAULT VEST

APPROX LOCATION OF MAIN ROPE ELECTRICAL CONNECTIONS



FOOTING + SLAB UNDER ROCKERY IN GREENHOUSE

SECTION X-X

THICK DIAGONAL BOARD

FOOTING UNDER FRONT AND REAR WALL UNDER CENTRAL FOOTING

SECTION A-A

SECTION B-B

SECTION C-C

SECTION D-D

SECTION E-E

SECTION F-F

SECTION G-G

SECTION H-H

SECTION I-I

SECTION J-J

SECTION K-K

SECTION L-L

SECTION M-M

SECTION N-N

SECTION O-O

SECTION P-P

SECTION Q-Q

SECTION R-R

SECTION S-S

SECTION T-T

SECTION U-U

SECTION V-V

SECTION W-W

SECTION X-X

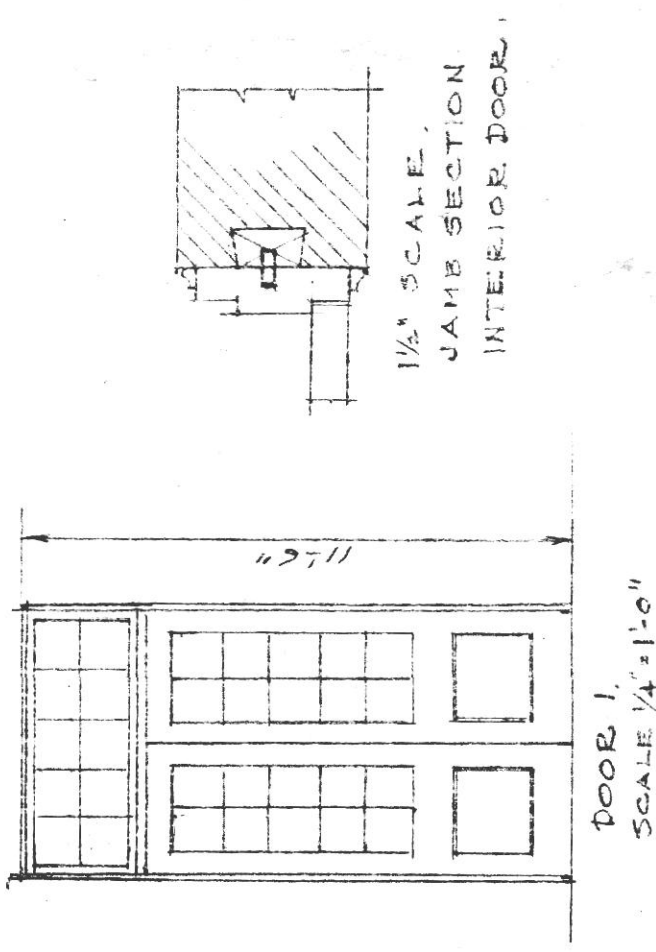
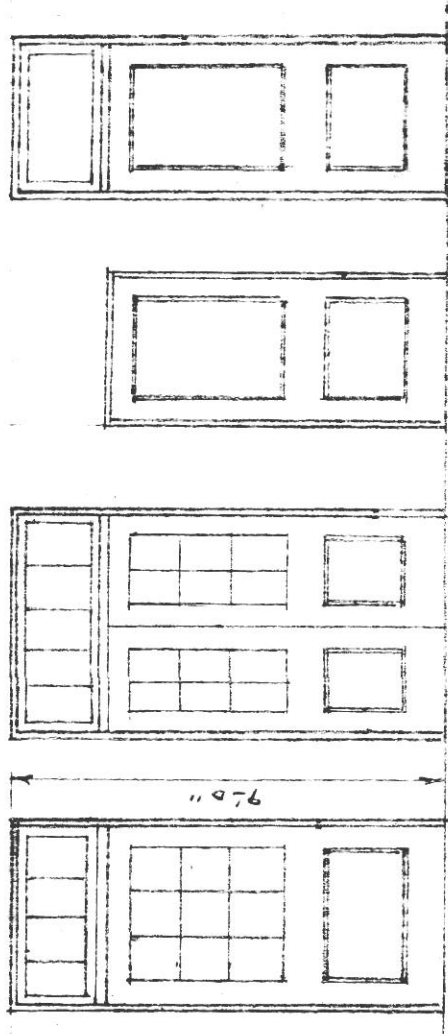
SECTION Y-Y

SECTION Z-Z

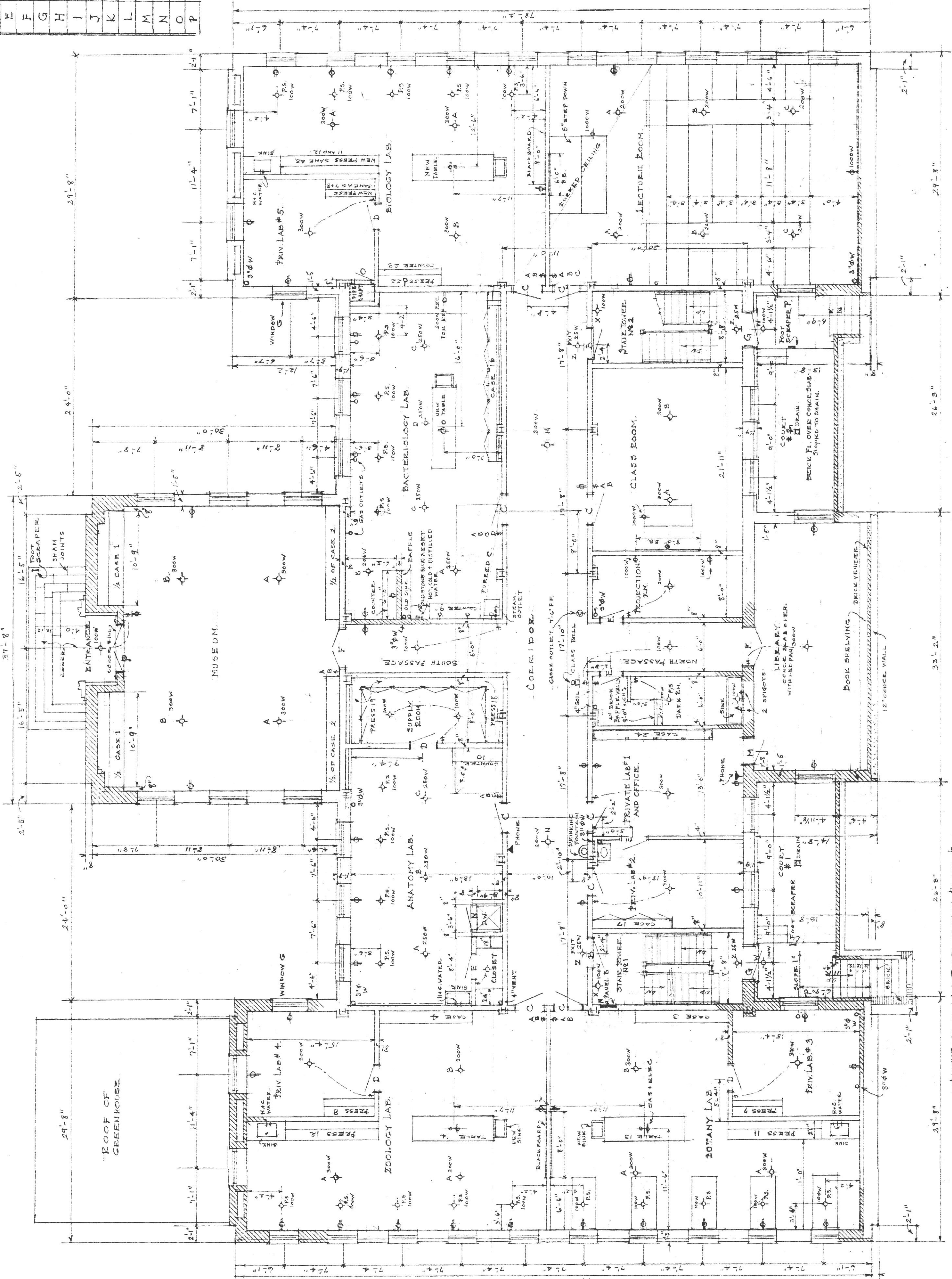
TYPICAL DOOR SCHEDULE FOR GROUND, 1ST, 2ND AND 3RD FLOORS					REMARKS	
MARK	SIZE	THICK	GLASS	TRANSOM	MATERIAL	
A	2'-9" X 8'-10"	1 3/4"	NO	GLASS	WOOD	4 PANELS WOOD STAT TR.
B	3'-9" X 7'-0"	1 3/4"	WIRE	GLASS	KALAMINE	1 PM 9 3/4" WEL. HOLLOW METAL FRAME
C	3'-4" X 7'-0"	1 3/4"	OB GL	OB GL	WOOD	1 PM 9 3/4" GL.
D	3'-0" X 7'-0"	1 3/4"	OB GL	OB GL	WOOD	1 PM 7 1/2" GL 3/8" THICK 3RD FL.
E	3'-0" X 7'-0"	1 3/4"	NO	WOOD	WOOD	2 PM 3/8" THICKNESS 3RD FL.
F	2'-4" X 7'-0"	1 3/4"	CL GL	CL GL	WOOD	1 PM 6 1/2" GL
G	3'-8" X 6'-10"	1 3/4"	CL GL	CL GL	WOOD	2 PM 7 1/2" GL
H	2'-6" X 7'-0"	1 3/4"	OB GL	OB GL	WOOD	1 PM 6 1/2" GL
I	2'-9" X 8'-10"	1 3/4"	CL GL	CL GL	WOOD	1 PM 10 1/2" GL STAT TR.
J	2'-4" X 7'-0"	1 3/4"	OB GL	OB GL	WOOD	1 PM 6 1/2" GL DOUBLE ACTING
K	2'-6" X 7'-0"	1 3/4"	NO	WOOD	WOOD	2 PM
L	2'-10" X 7'-0"	1 3/4"	NO	NO	KALAMINE	2 PM HOLLOW METAL FRAME
M	2'-4" X 7'-0"	1 3/4"	NO	NO	WOOD	2 PM WOOD
N	3'-0" X 4'-0"	1 3/4"	NO	NO	KALAMINE	1 PM HOLLOW METAL FRAME
O	1'-6" X 2'-6"	1 3/4"	NO	NO	NO	ACCESS DOOR
P	3'-0" X 8'-0"	1 3/4"	NO	CL GL	WOOD	3 PM STAT TR.

TRANSOM NOTE FOR GROUND FL.
PAINT TRANSOM OF LECTURE RM + CLASS RM.

DOOR DESIGN



DOWN SPOUTS SHOWN ON BASEMENT
FL PLAN AND ELEVATIONS

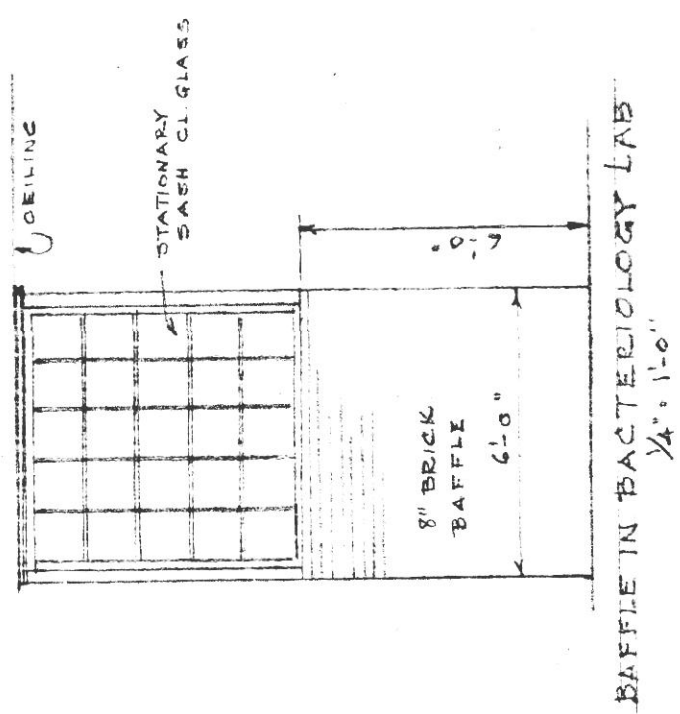


GROUND FLOOR PLAN
BIOLOGY DEPT.
1/8" = 1'-0"

LIGHT H-X-W + Z SWITCH IN PANEL BOARD.
ALL Y+Z LIGHT CONTROLLED IN P.B. ON FL. THAT THEY OCCUR.

DOUBLE AC WALL RFG ROOM A.C

1-6 GAS OUTLET



WOOD BRIDGE BEHIND 3'-0" X 6'-0" BOARD TO FASTEN BOARD TO

