

DRAWING SCHEDULE		HEATING & VENTILATING SYMBOLS	ELECTRICAL SYMBOLS	PLUMBING SYMBOLS	LIST OF ABBREVIATIONS	STRUCTURAL SYMBOLS
SPEC	SHEET NO	TITLE				
	1	TITLE SHEET				
	2	PLOT PLAN				
	3	BOILER ROOM FOUNDATION PLAN				
	4	FLOOR PLAN				
	5	ROOF AND UPPER PART OF DRILL HALL				
	6	EAST AND SOUTH ELEVATIONS				
	7	WEST AND NORTH ELEVATIONS				
	8	SECTIONS A-A, B-B, C-C & D-D				
	9	SCALE WALL SECTIONS				
	10	CORNICE DETAILS-MISCELLANEOUS				
	11	SHOWER-LOCKER-KITCHEN PLANS-ELEVATIONS-DETAILS				
	12	DOOR SCHEDULE AND DOOR FRAME DETAILS				
	13	WINDOW SCHEDULE AND WINDOW DETAILS				
	14	ROOM FINISH SCHEDULE MISCELLANEOUS DETAILS				
	15	FOOTING PLAN AND DETAILS				
	16	FOUNDATION SECTIONS				
	17	FIRST FLOOR FRAMING				
	18	ROOF FRAMING PLAN				
	19	STRUCTURAL STEEL LINTEL SCHEDULE-LINTEL DETAILS				
	20	PLUMBING & DRAINAGE FOUNDATION PLAN				
	21	PLUMBING & DRAINAGE FLOOR PLAN				
	22	PLUMBING & DRAINAGE ROOF PLAN				
	23	BASEMENT HEATING PLAN				
	24	FIRST FLOOR HEATING PLAN				
	25	ROOF & UPPER DRILL HALL HEATING PLAN				
	26	BASEMENT ELECTRICAL PLAN				
	27	FIRST FLOOR ELECTRICAL PLAN				
	28	ROOF & UPPER DRILL HALL ELECTRICAL PLAN				

HEATING & VENTILATING SYMBOLS		ELECTRICAL SYMBOLS		PLUMBING SYMBOLS
—	STEAM SUPPLY PIPING	CEILING	WALL	STACK
---	CONDENSATE RETURN PIPING	○	○	PLAN
---	COLD WATER PIPING	⊗	⊗	RISER
---	PUMP DISCHARGE PIPING	⊕	⊕	SERVICE
○	OIL PIPING	—	—	SOIL OR WASTE - SANITARY PIPING
—G	GAS PIPING	—	—	VENT PIPING
—	CONTROL INDICATION	—	—	CW COLD WATER
⊗ T.T.	THERMOSTATIC TRAP	S	S	HW HOT WATER
⊕ F.T.	FLOAT AND THERMOSTATIC TRAP	S <sub>3</sub>	S <sub>3</sub>	—
○	THERMOSTAT	—	—	NOT WATER RECIRCULATION
S—	MOTOR SWITCH	—	—	GV GATE VALVE
A.C.V.	AUTOMATIC CONTROL VALVE	—	—	GV GLOBE VALVE
C.V.	CHECK VALVE	—	—	SCV SWING CHECK VALVE
E.C.C.	ECCENTRIC REDUCER	—	—	P.R. PRESSURE REDUCER
D & D	DROP AND DRIP	—	—	R.V. RELIEF VALVE
D.O.	DRAW OFF	—	—	—
—	EXHAUST DUCT IN SECTION	—	—	—
—	STRAINER	—	—	—

MATERIAL LEGEND	
	EARTH
	CONCRETE
	MASONRY UNITS
	DRAINAGE FILL
	BLOCKING
	WOOD
	STEEL
	INSULATION
	CEMENT OR STONE
	GLASS
	PREFORMED EXPANSION JOINTS
	BRICK
	GLAZED STRUCTURAL FACING

LIST OF ABBREVIATIONS			
AMP	AMPERES	IPS	IRON PIPE SIZE
AC	AIR CHAMBER	JT	JOINT
AD	AREA DRAIN	KAL	KALAMEIN
ALT	ALTERNATE	LAY	LAVATORY
BLDG	BUILDING	LQ	LENGTH OR LONG
BOT	BOTTOM	LH	LEFT HAND
BR	BRANCH	LL	LIVE LOAD
COND	CONDUIT	LP	LIGHTING PANEL
C	COURSE	MATL	MATERIAL
CAP	CAPACITY	MAX	MAXIMUM
CEM	CEMENT	MECH	MECHANICAL
CER	CERAMIC	NET	METAL
CFM	CUBIC FEET PER MINUTE	MIN	MINIMUM
CIR	CIRCUIT	MLD G	MOLDING
CLG	CEILING	MO	MASONRY OPENING
CH	CANVAS NECK	MU	MASONRY UNITS
CO	CLEANOUT	NCO	NON-COMMISSIONED OFFICER
COOP	CLEANOUT DECK PLATE	NIC	NOT IN CONTRACT
COL	COLUMN	OC	ON CENTER
CONC	CONCRETE	OD	OUTSIDE DIAMETER
CONN	CONNECTION	OF	OFFICERS
CONT	CONTINUOUS	OS & Y	OUTSIDE STEM & YOKE PARTITION
CSK	COUNTER SINK	PL	PLATE
CT	CURRENT TRANSFORMER	PP	POWER PANEL
CW	COLD WATER	PSF	POUNDS PER SQUARE FOOT
DET	DETAIL	PSI	POUNDS PER SQUARE INCH
DIA	DIAMETER	R	RISER
DIM	DIMENSION	RAD	RADIATOR
DL	DEAD LOAD	REG	REGISTER
DN	DOWN	RET	RETURN
DR	DRAIN	REQD	REQUIRED
DWG	DRAWING	RH	RIGHT HAND
EA	EACH	RL	RUBBER INSULATED LEAD SHEATHED WIRE
EDR	EQUIVALENT DIRECT RADIATION	RM	ROOM
EL	ELEVATION	RPM	REVOLUTIONS PER MINUTE
EM	ENLISTED MEN	RW	RUBBER INSULATED WEATHERPROOF WIRE
EQUIP	EQUIPMENT	SBI	STEEL BOILER INSTITUTE
EXP	EXPANSION	SD	SHOWER DRAIN
EXT	EXTERIOR	SDD	SADDLE
F	FARENHEIT	SECT	SECTION
FD	FLOOR DRAIN	SK	SINK
FDTH	FOUNDATION FINISH	SN	SOLID NEUTRAL
FIN	FINISH	SP	STATIC PRESSURE
FL	FLOOR	SPEC	SPECIFICATION
FFM	FEET PER MINUTE	SQ FT	SQUARE FEET
FT	FOOT	ST	STEEL
FTG	FOOTING	STD	STANDARD
FUNH DR	FUNNEL DRAIN	STRUCT	STRUCTURAL
GAL	GALLONS	T & B	TOP AND BOTTOM
GALV	GALVANIZED	TEMP	TEMPERATURE
GL	GLASS - GLAZED	T & G	TONGUE & GROOVE
GPM	GALLONS PER MINUTE	THK	THICK
GSFU	GLAZED STRUCTURAL FACING UNITS	TL	TOTAL LOAD
GWB	GYPSONUM WALLBOARD	TP	TYPICAL
HGT	HEIGHT	V	VOLTS
HOR	HORIZONTAL	VENT	VENTILATE
HP	HORSE POWER	VERT	VERTICAL
HTG	HEATING	WJ	WROT IRON
HW	HARDWARE	WT	WEIGHT
HW	HOT WATER	XNCI	EXTRAHEAVY CAST IRON
ID	INSIDE DIAMETER		
INCR	INCREASER		
INT	INTERIOR		
INV	INVERT		

#11

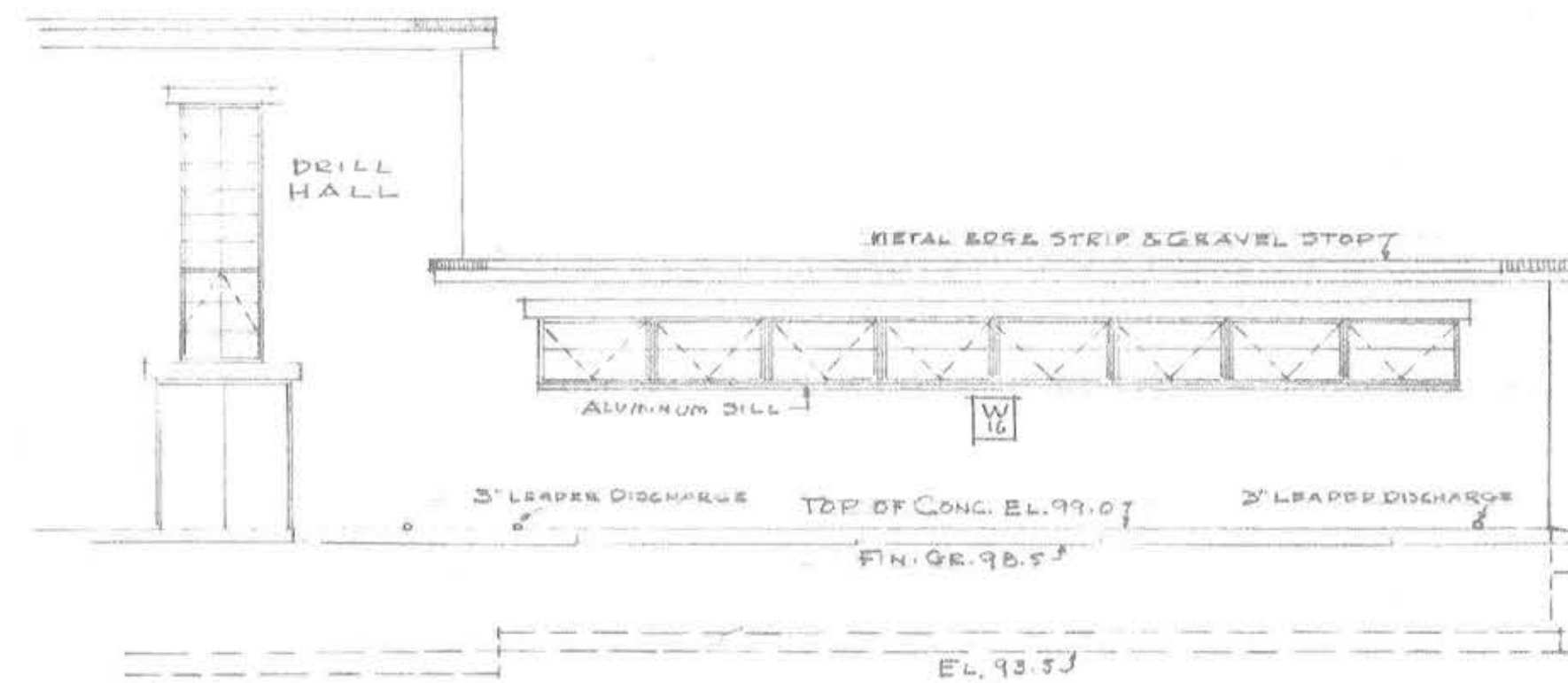
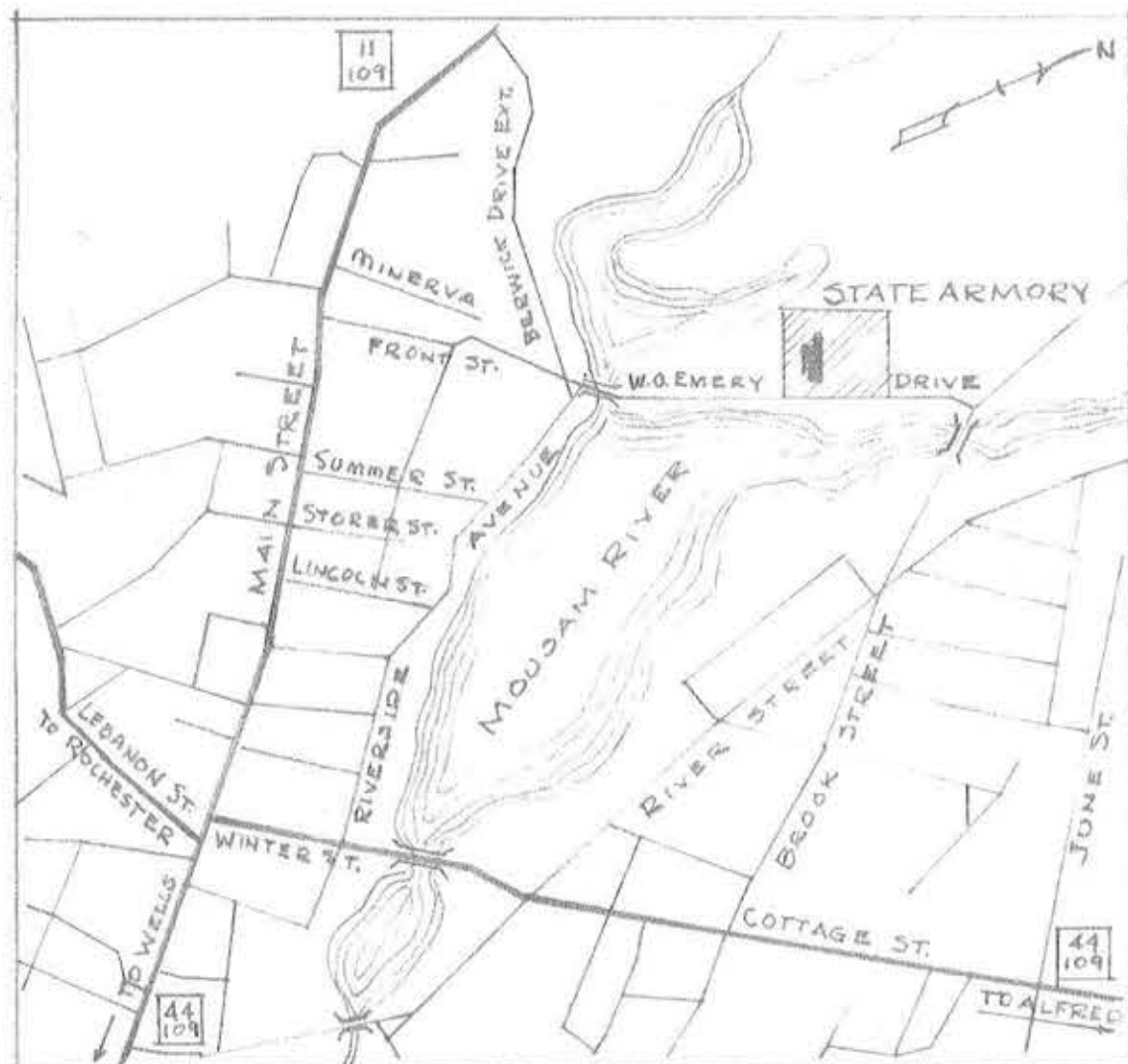
# MAINE NATIONAL GUARD

## ARMORY

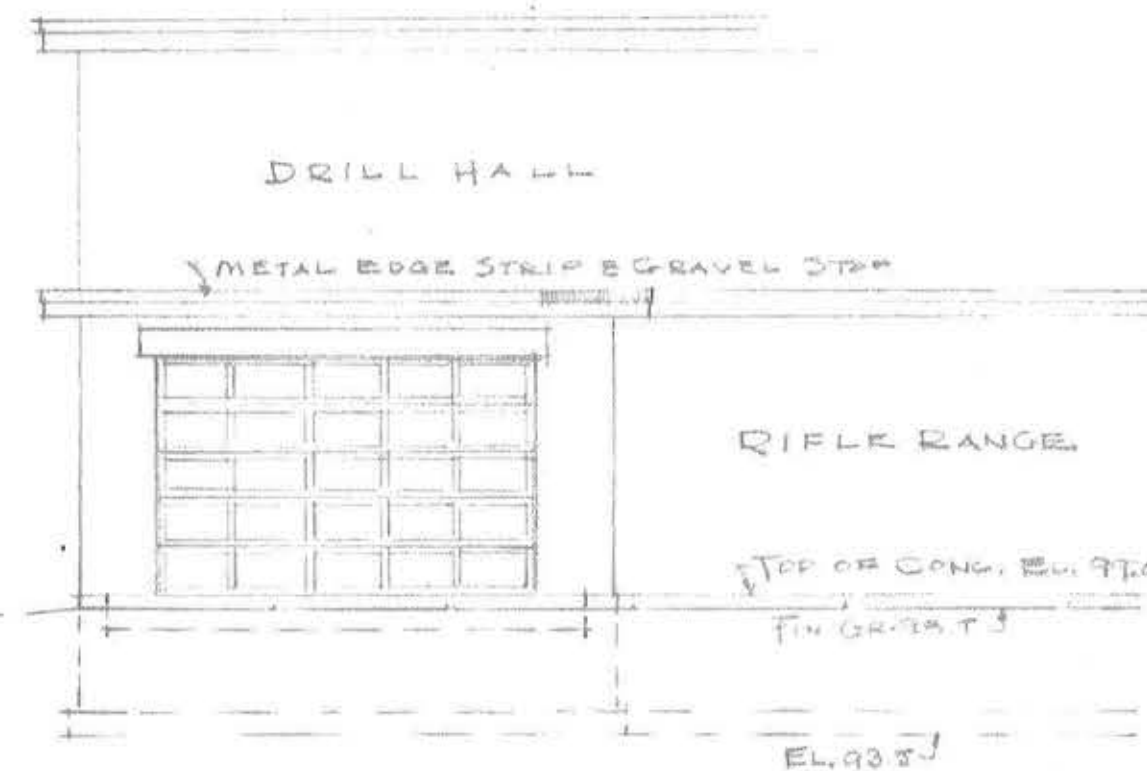
### STANDARD ONE UNIT



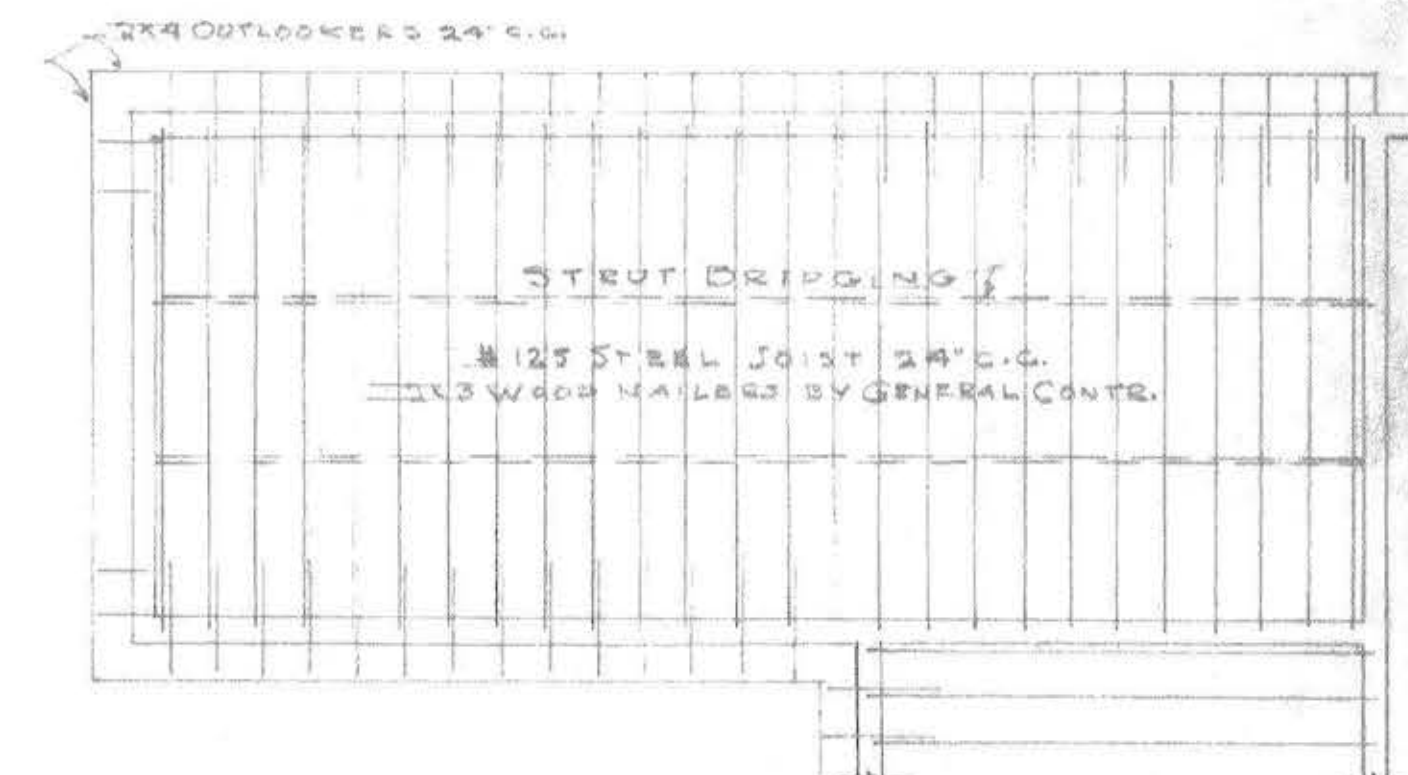
MAINE NATIONAL GUARD ARMORY STANDARD ONE UNIT	
TITLE SHEET	
FRED L. STROUT ARCHITECT	Scale: No Scale Spec. No. 17-218-56-7 SHEET 1 of 28 Approved
Drawn by Strout	Date 17-218-56-7



SIDE ELEVATION MOTOR VEHICLE SHED  
SCALE 1/8" = 1'-0"

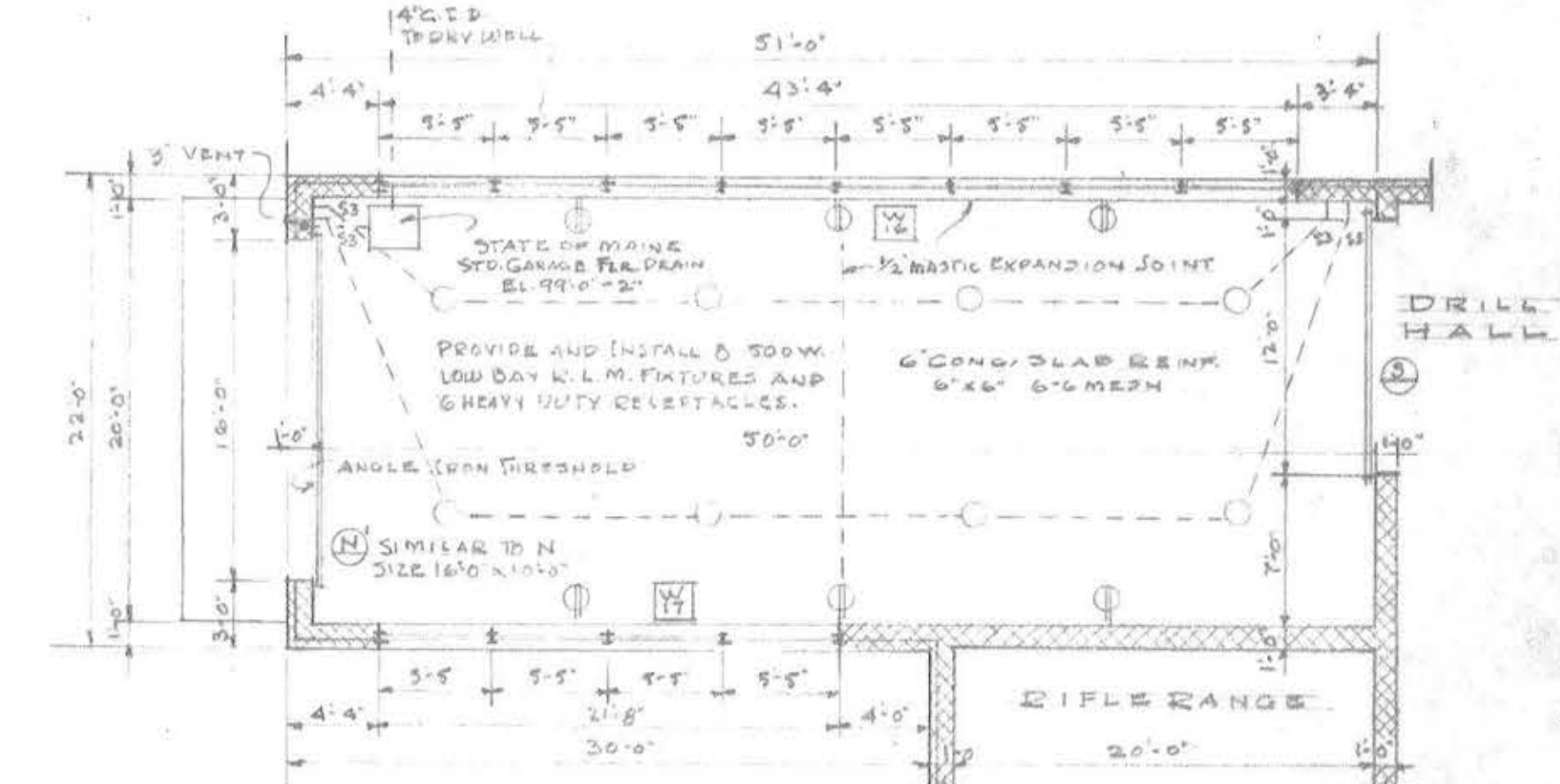
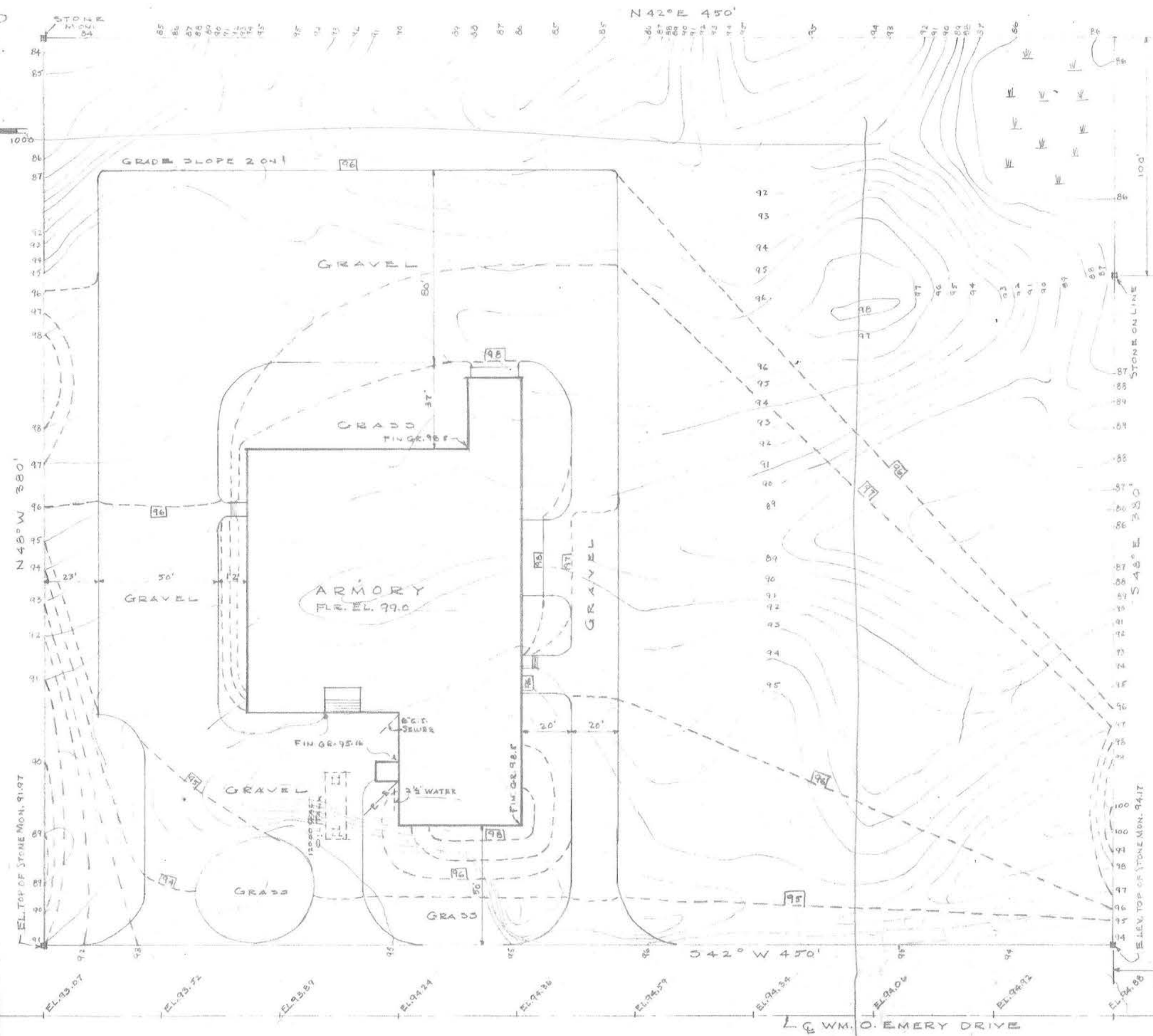


END ELEVATION-MOTOR VEHICLE SHED  
SCALE 1/8" = 1'-0"

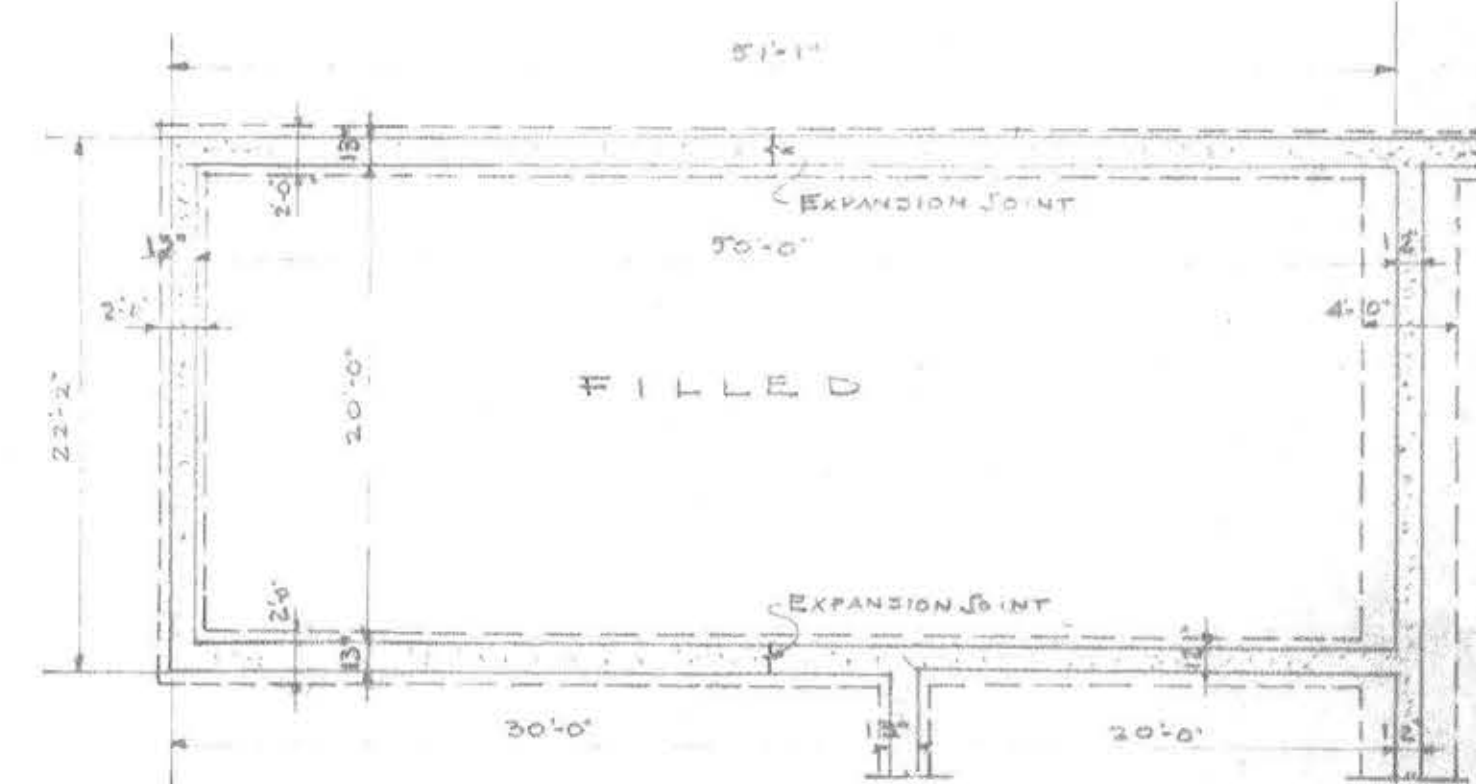


ROOF FRAMING PLAN MOTOR VEHICLE SHED  
SCALE 1/8" = 1'-0"

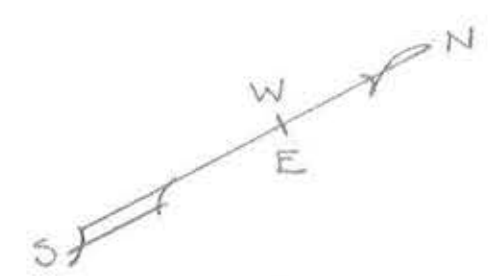
VICINITY MAP  
SANFORD, ME.



FLOOR PLAN OF MOTOR VEHICLE SHED  
SCALE 1/8" = 1'-0"



FOUNDATION PLAN MOTOR VEHICLE SHED  
SCALE 1/8" = 1'-0"



LOT PLAN

GRAVEL SOIL. B.M. ASSUMED AT EL. 92.0  
CONTOUR INTERVAL 1'  
EXISTING CONTOUR - 100'  
NEW CONTOUR - 110'

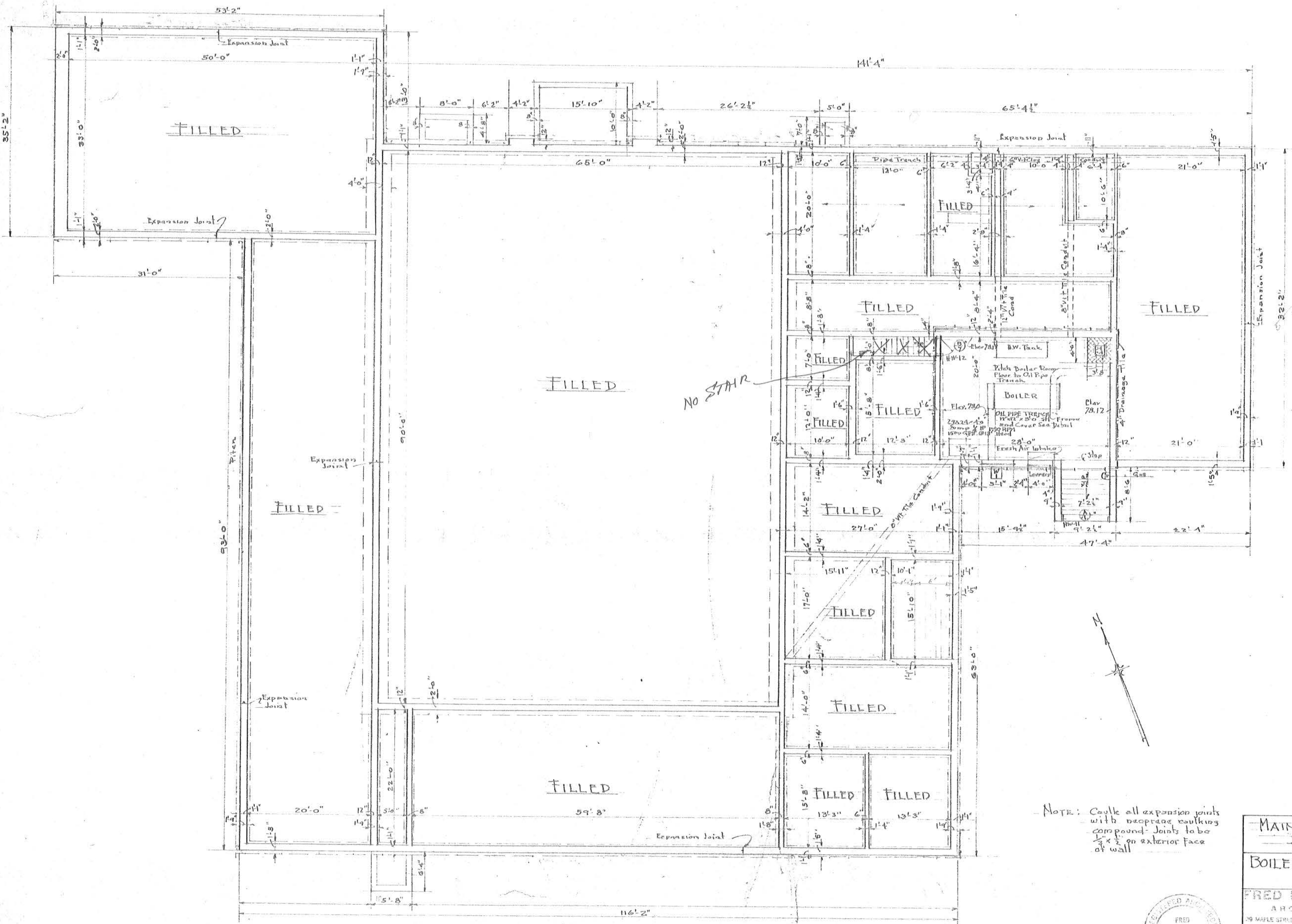
NOTE: GARAGE DETAILS SHOWN ON THIS SHEET SUPERSEDE  
DETAILS SHOWN ON SHEET 2 TO 7 INCLUSIVE

MAINE NATIONAL GUARD ARMORY

LOT PLAN

FRED L. STROUT ARCHITECT 27 HAPLE ST. HALLOWELL, MAINE	SCALE 1" = 30' AND AS NOTED SPECIFICATION 17-018-56-B SHEET 2 OF 28
ENGINEER DRAWN BY BUNKER SAVAGE AUGUSTA, MAINE	APPROVED: DATE JOB NO. 256 DRAWING NO. 17-018-56-B

EXTRA

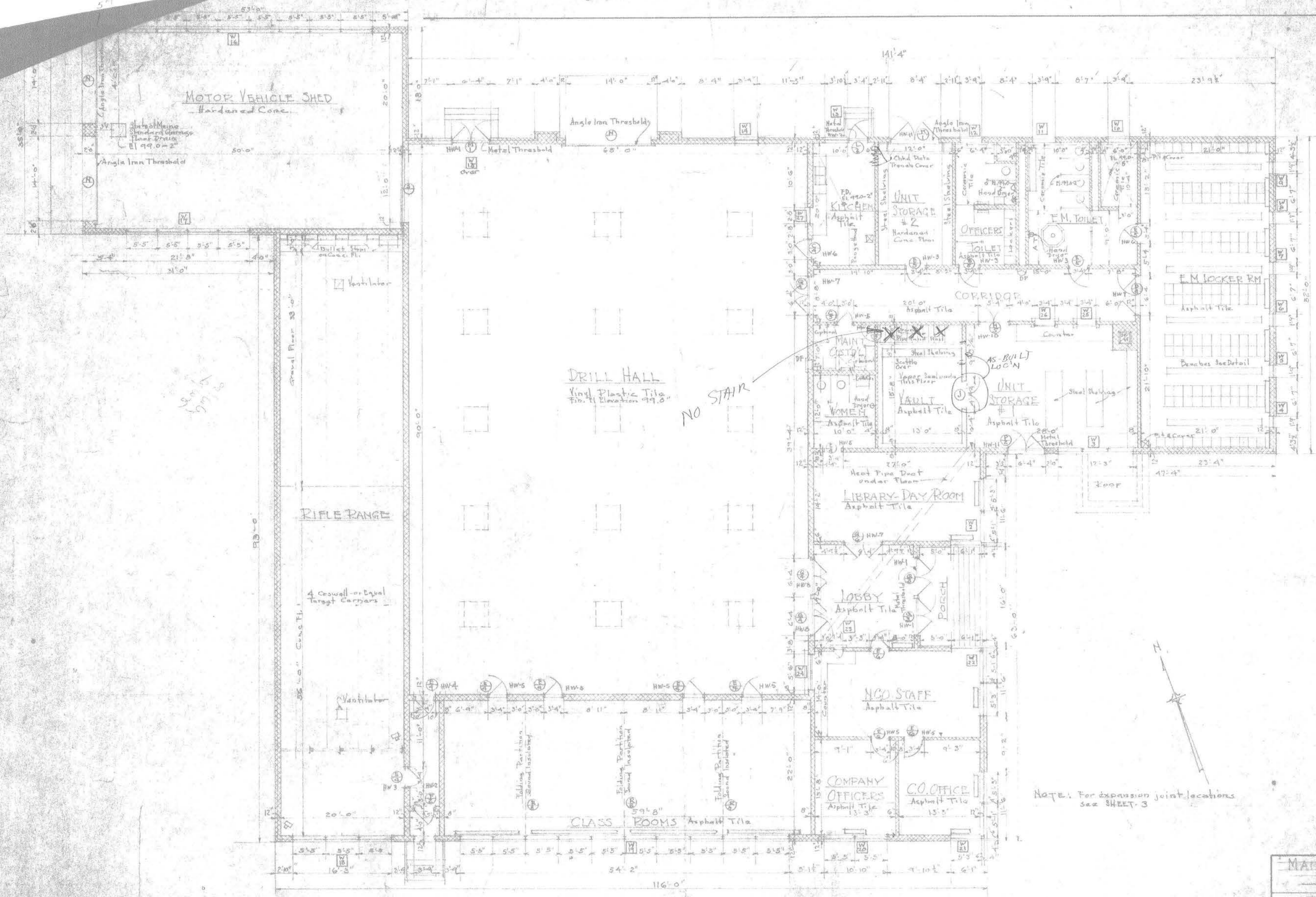


**BOILER ROOM & FOUNDATION PLAN**  
Scale  $\frac{1}{8}'' = 1'-0''$

NOTE: Caulk all expansion joints with neoprene caulking compound. Joints to be  $\frac{1}{2}'' \times \frac{1}{2}''$  on exterior face of wall.



<b>MAINE NATIONAL GUARD ARMORY</b> STANDARD ONE UNIT	
<b>BOILER ROOM &amp; FOUNDATION PLAN</b>	
<b>FRED L. STROUT</b> ARCHITECT 39 MAPLE STREET HALLOWELL, MAINE	Scale $\frac{1}{8}'' = 1'-0''$ Spec. No. 17-018-56-7 Sheet 3 of 28 Approved:
Drawn by Strout	Job No. 256 Date 17-018-56-7



1-18  
9-5

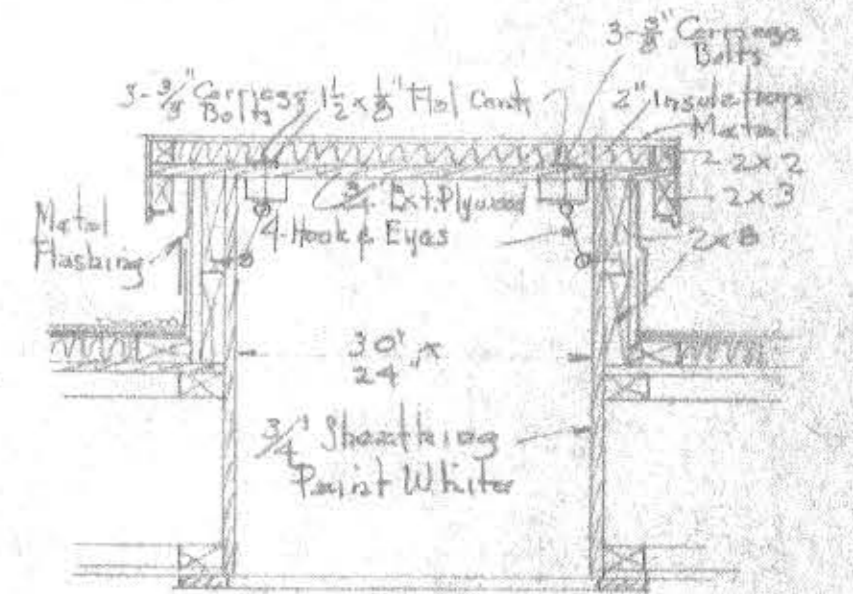
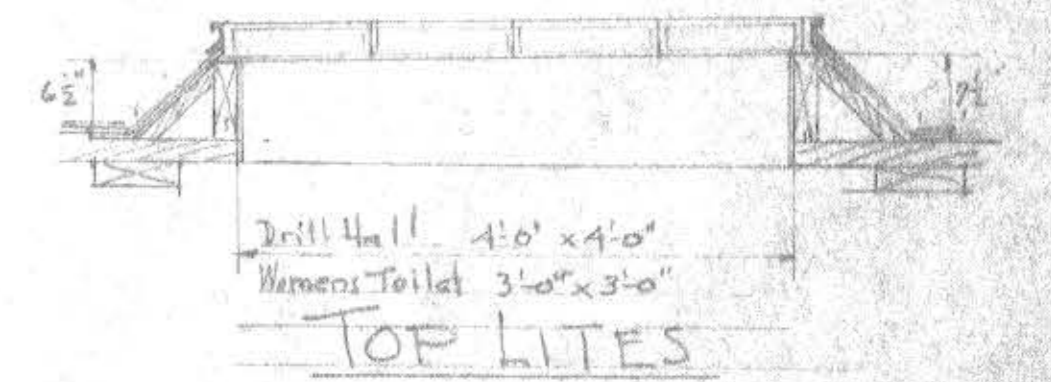
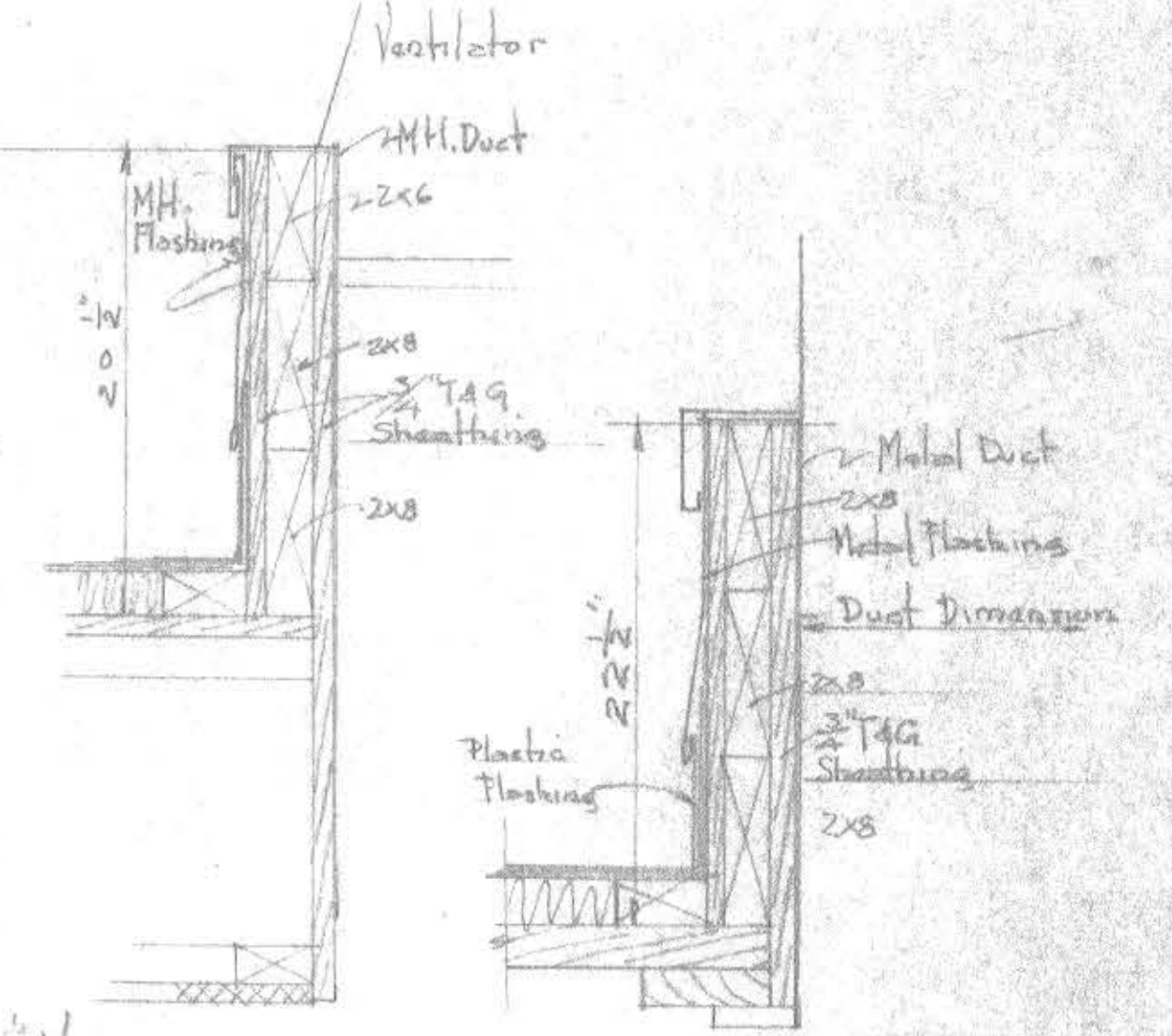
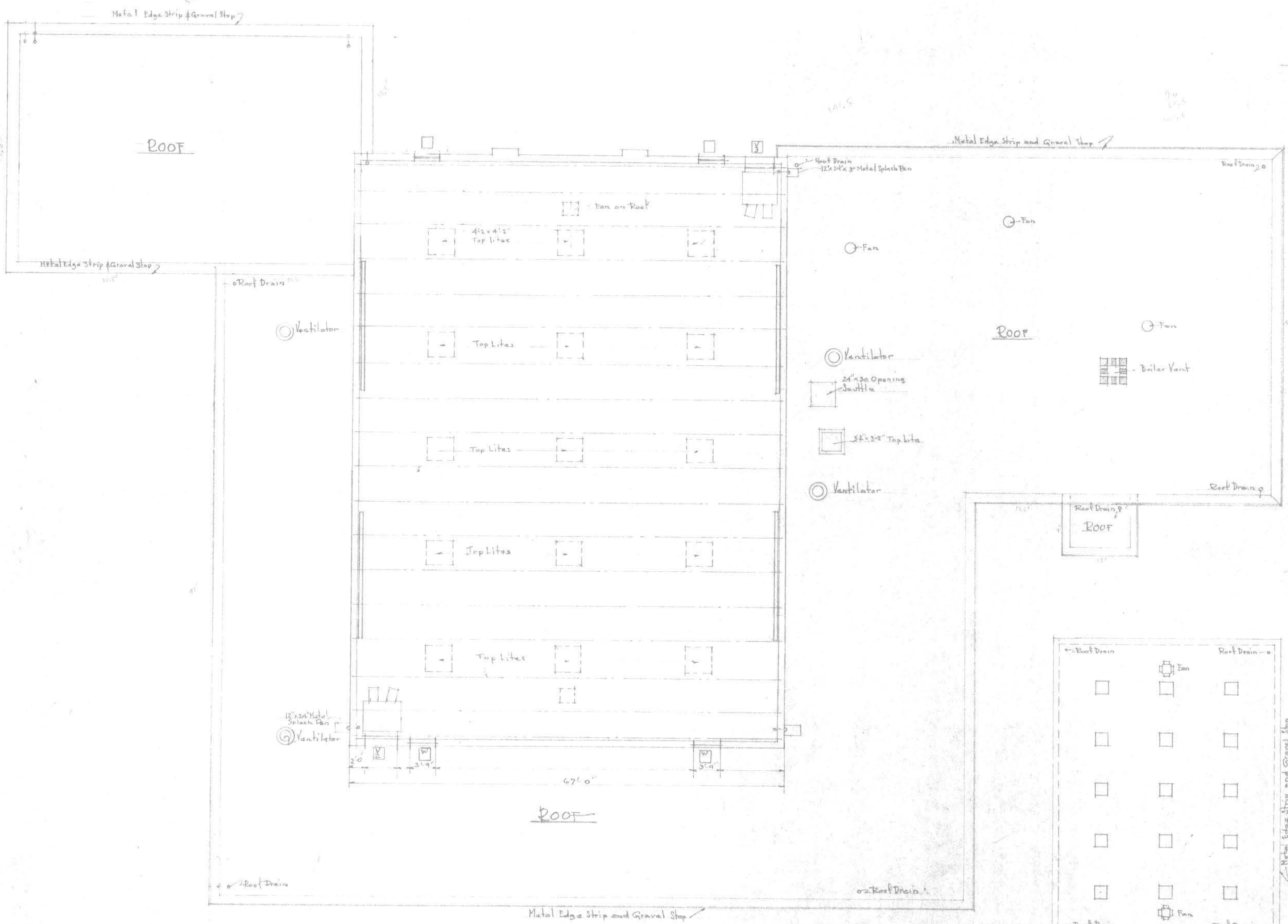
NO STAIR

NOTE: For expansion joint locations see SHEET 3

FIRST FLOOR PLAN

MAINE NATIONAL GUARD ARMORY STANDARD ONE UNIT	
FIRST FLOOR PLAN	
FRED L. STROU ARCHITECT	Scale 1/8" = 1'-0" Spec. No. 17-018-56-7 Sheet 4 of 28 Approved
By Drawn	Date 17-018-56-7





ROOF AND UPPER PART OF DRILL HALL  
Scale 1/8" = 1'-0"

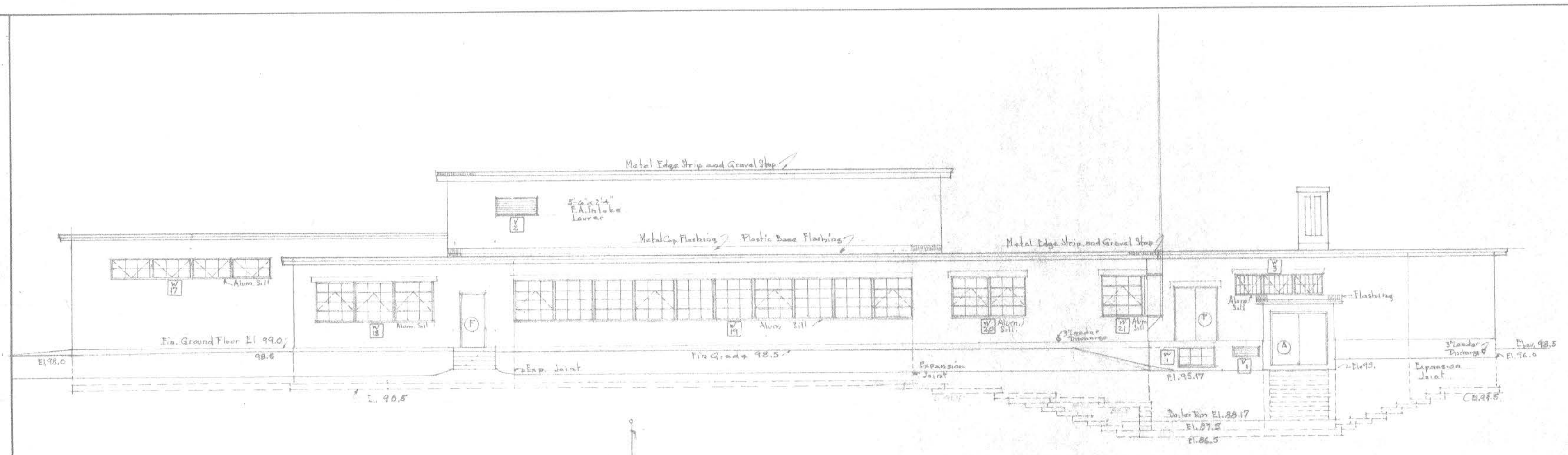
ROOF OVER DRILL HALL  
Scale 1/16" = 1'-0"

MAINE NATIONAL GUARD ARMORY  
STANDARD ONE UNIT  
ROOF AND UPPER PART  
OF DRILL HALL

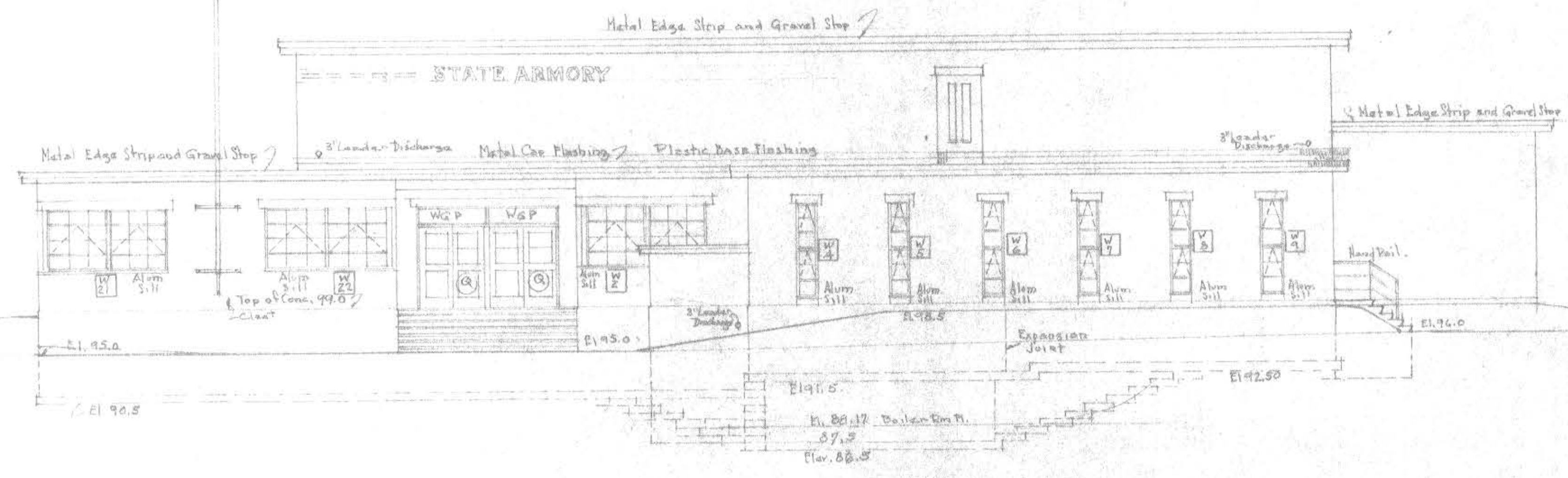
FRED L. STROUT ARCHITECT  
274 MAPLE STREET HALLOWELL, MAINE

Scale 1/16" = 1'-0"  
Spec. No. 17-010-56-7  
Sheet 5 of 28  
Approved \_\_\_\_\_  
Date \_\_\_\_\_  
Drawn by \_\_\_\_\_  
17-010-56-7

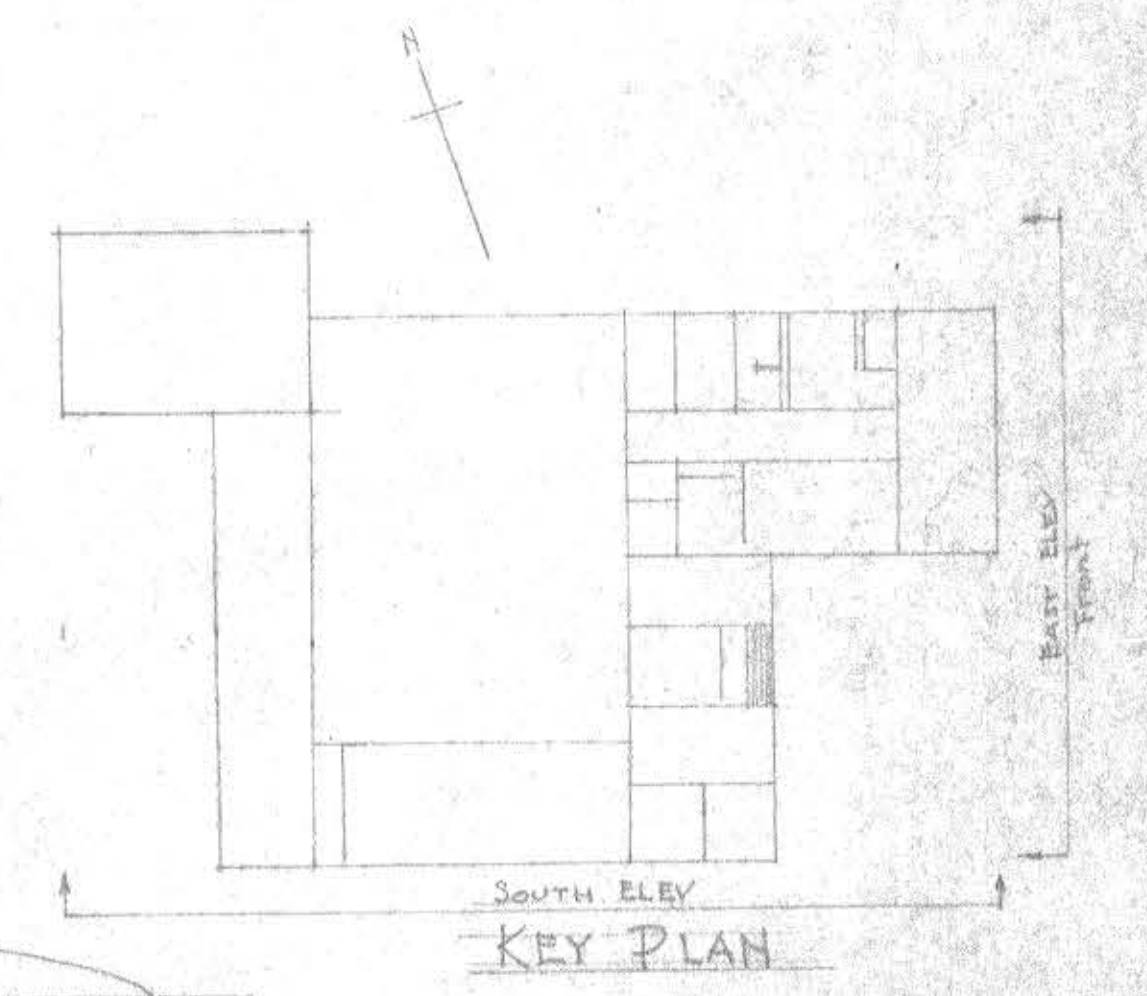
REGISTERED ARCHITECT  
FRED L. STROUT  
NO. 53  
STATE OF MAINE



SOUTH ELEVATION  
Scale  $\frac{1}{8}'' = 1'-0''$

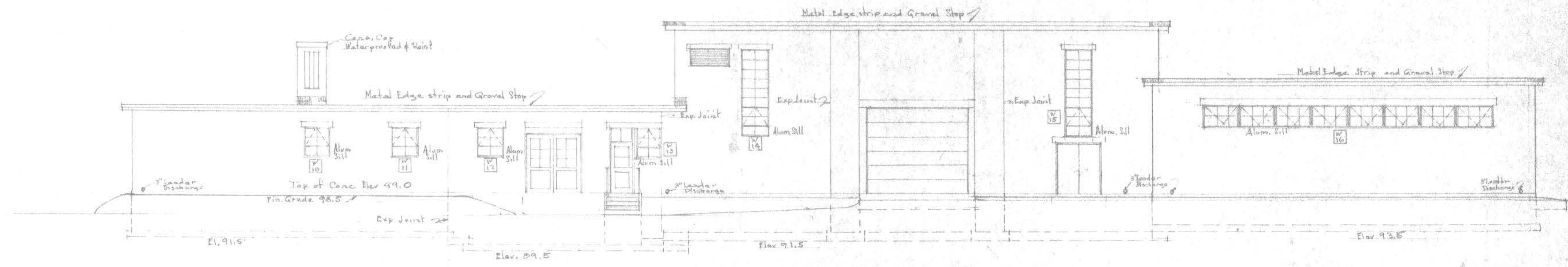


EAST ELEVATION (FRONT)  
Scale  $\frac{1}{8}'' = 1'-0''$

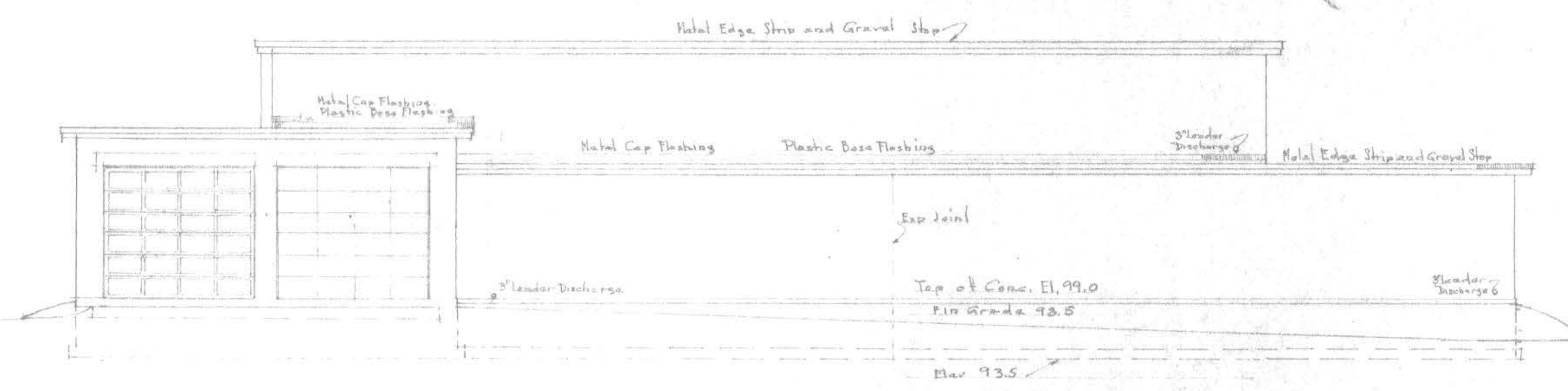


MAINE NATIONAL GUARD ARMORY	
STANDARD ONE UNIT	
EAST ELEVATION	
SOUTH ELEVATION	
FRED L. STROUT	Scale $\frac{1}{8}'' = 1'-0''$
ARCHITECT	Draw No. 17-018-56-7
54 SAMPLE STREET HALLLOWELL, MAINE	Sheet 6 of 28
Approved	Date
17-018-56-7	17-018-56-7

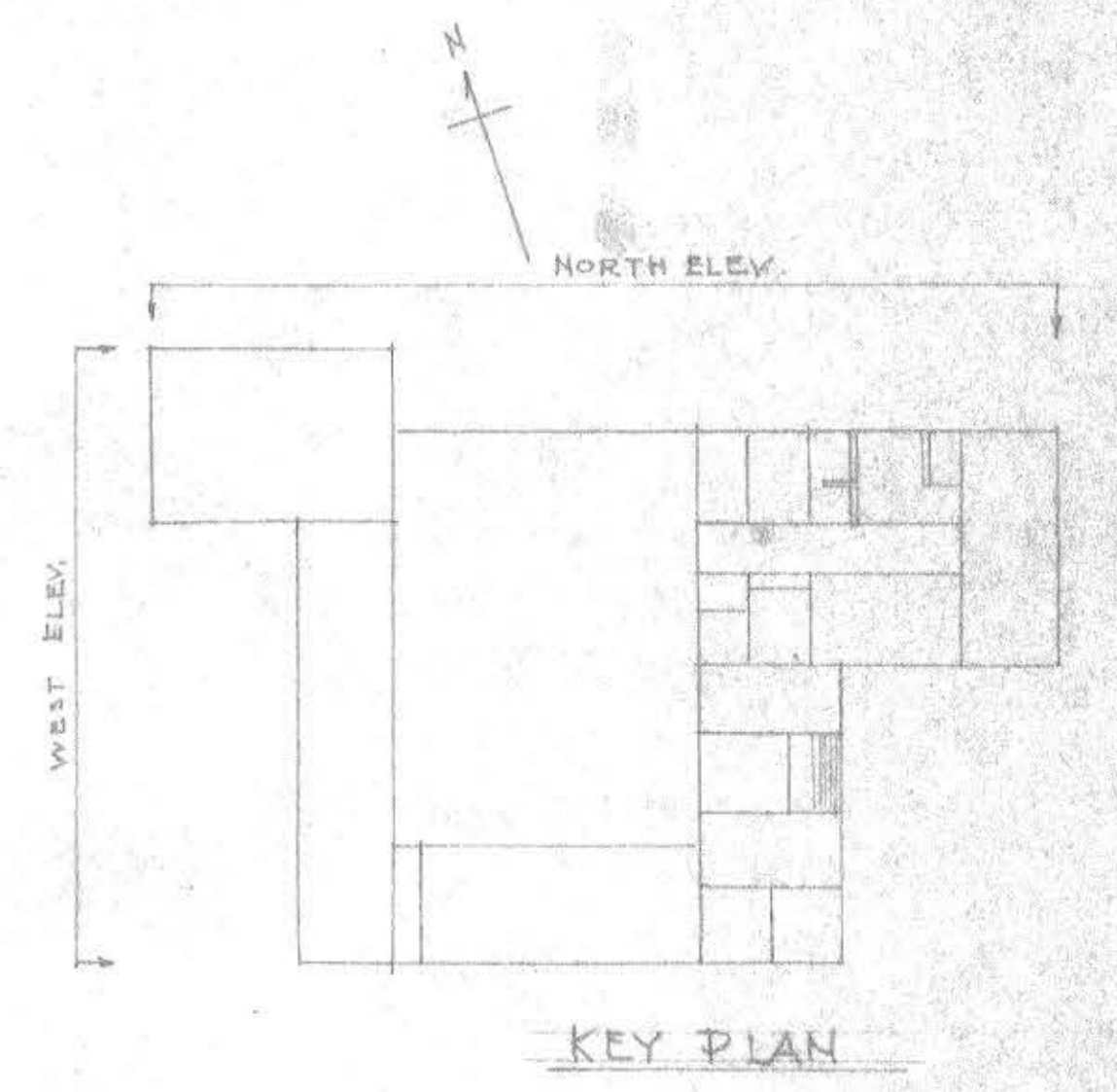




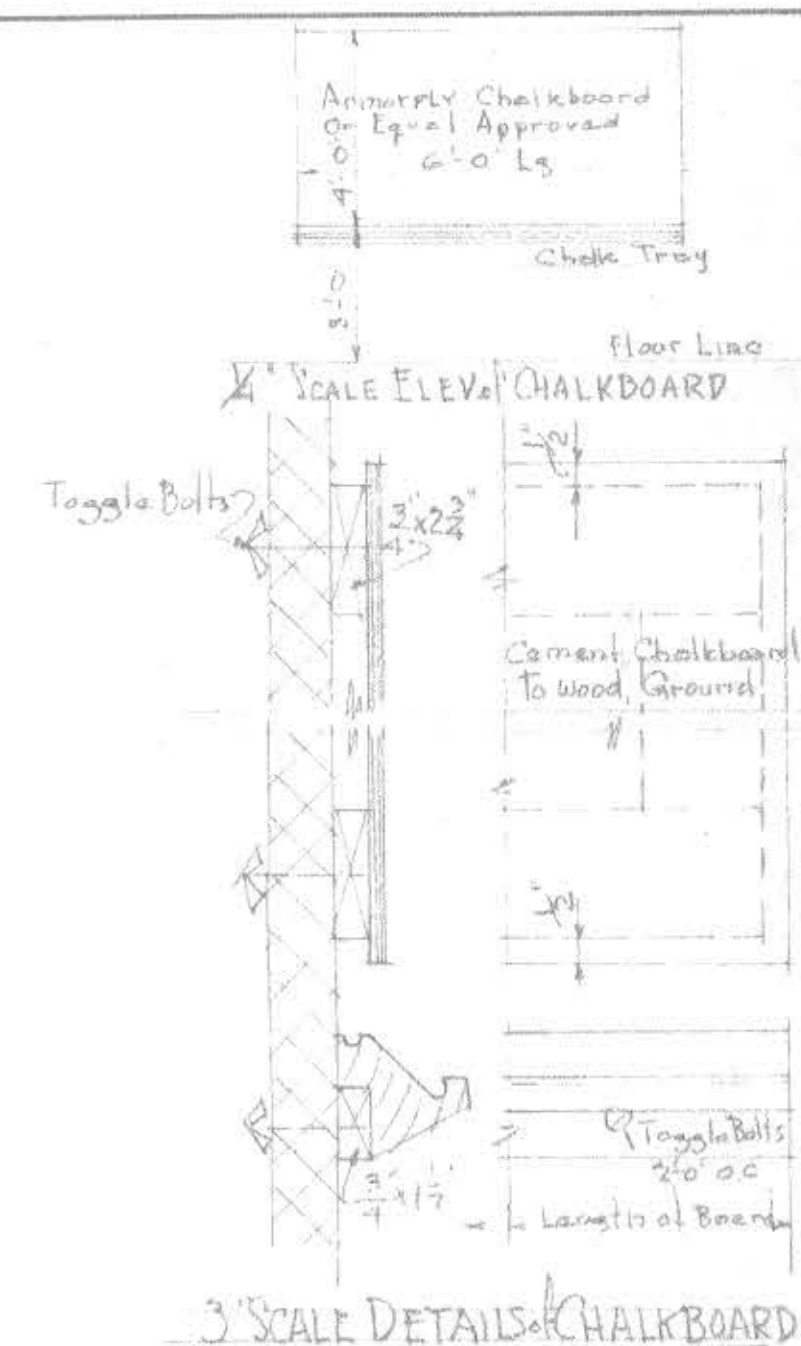
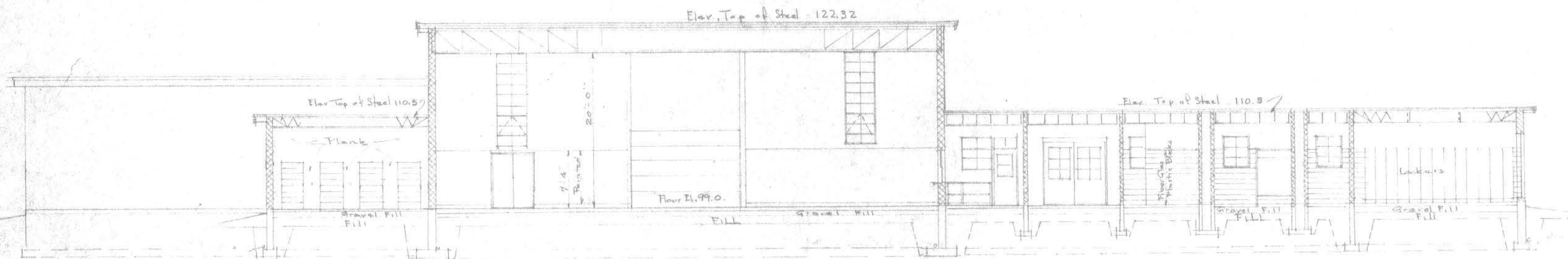
NORTH ELEVATION  
Scale 3/4"=1'-0"



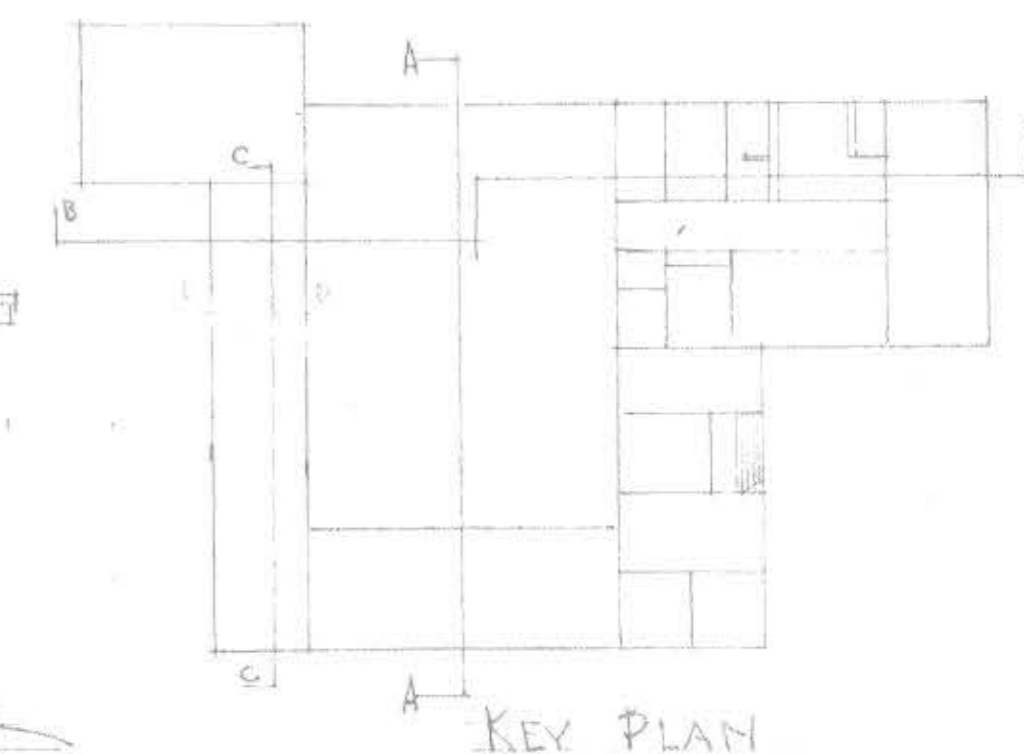
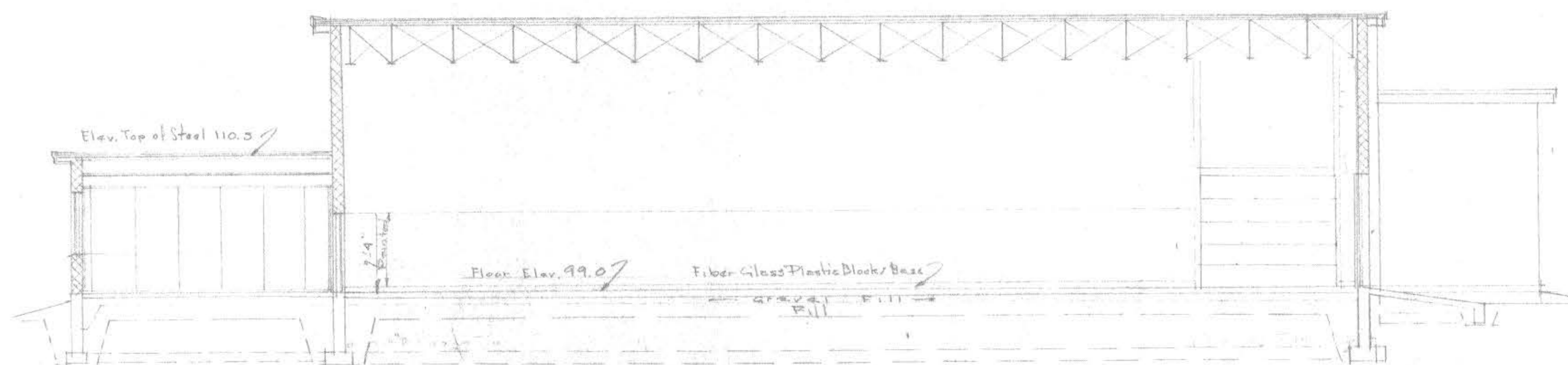
WEST ELEVATION  
Scale 3/4"=1'-0"



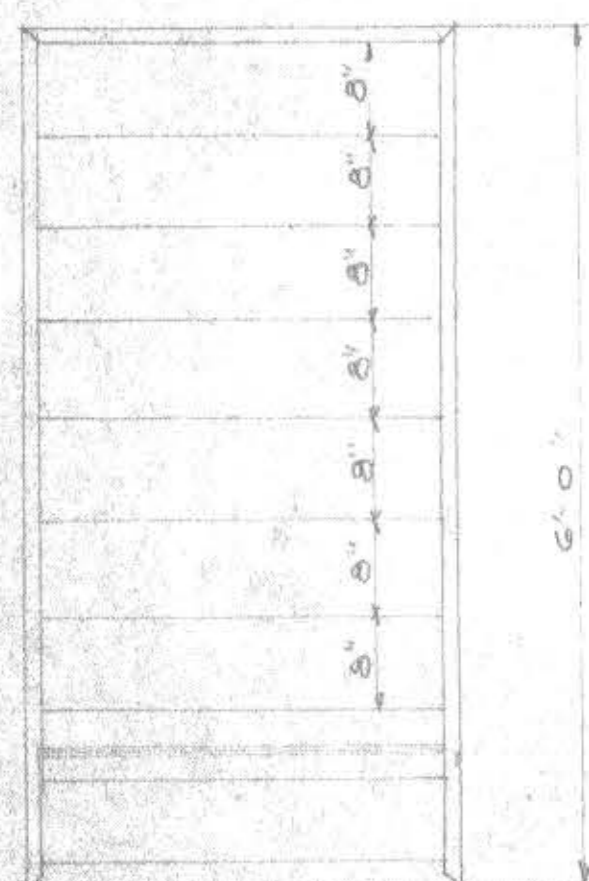
MAINE NATIONAL GUARD ARMYCORY	
STANDARD ONE UNIT	
WEST ELEVATION	
NORTH ELEVATION	
FRED L. STROUT	Scale 3/4"=1'-0"
ARCHITECT	Spec. No. 17-018-56-7
29 MAPLE STREET HALLOWELL, MAINE	Sheet 7 of 28
	Approved
	Date
Job No. 256	Drawing No. 17-018-56-7



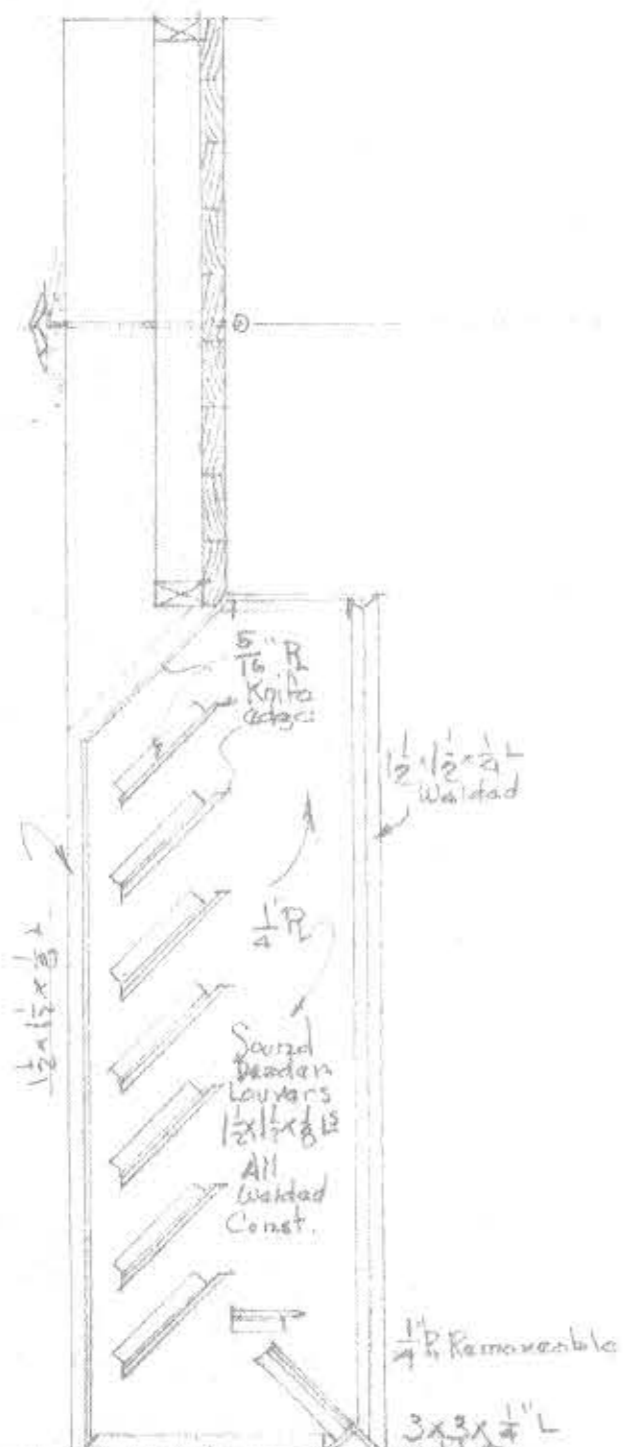
SECTION B-B  
Scale 1/4" = 1'-0"



KEY PLAN

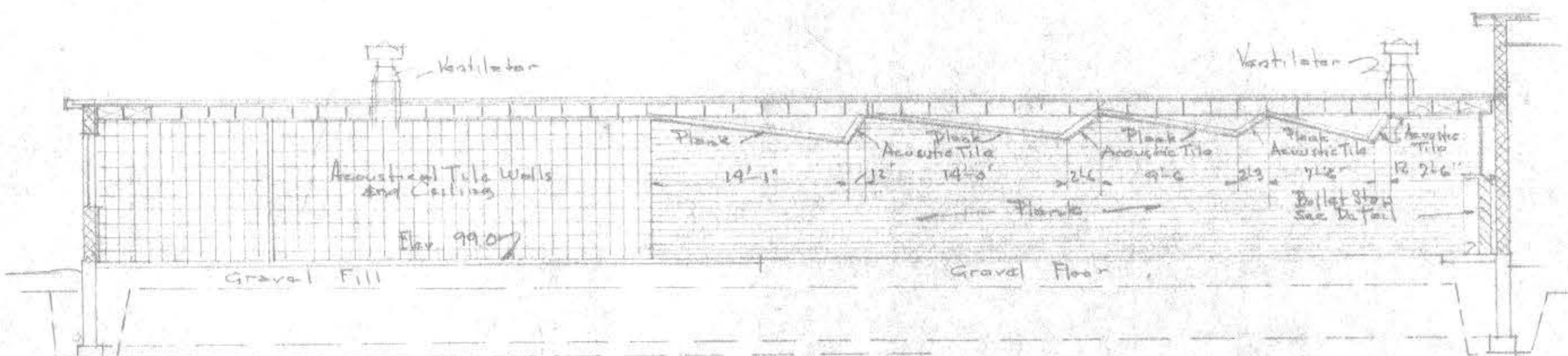


ELEVATION

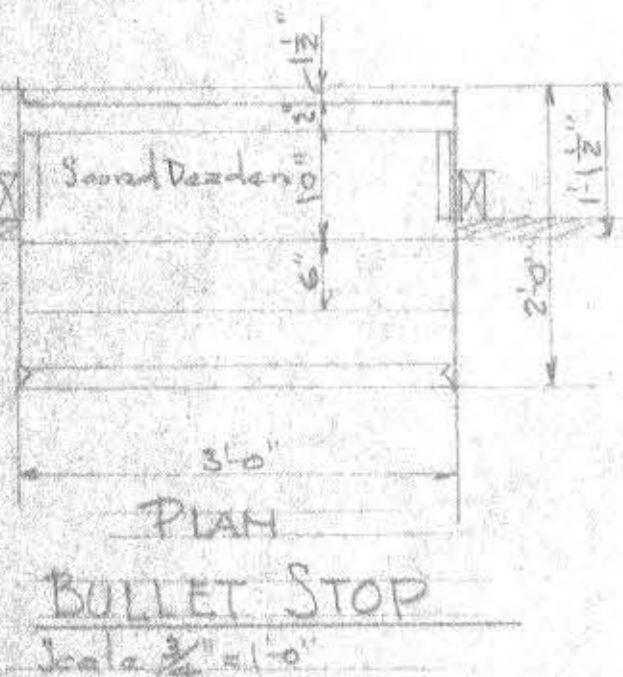


SECTION

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



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



BULLET STOP  
Scale 1/4" = 1'-0"

MAINE NATIONAL GUARD ARMORY  
STANDARD ONE UNIT

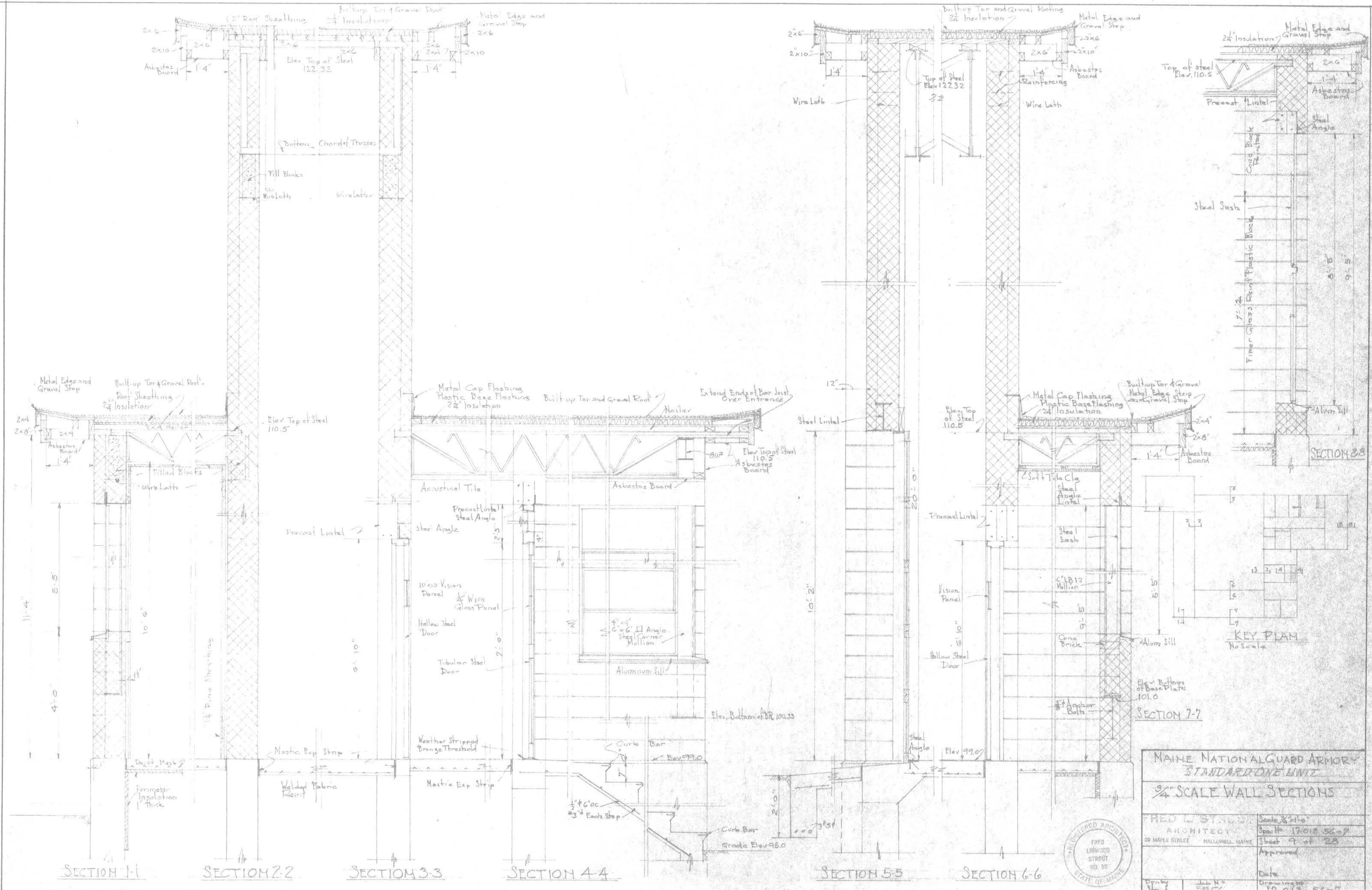
SECTIONS A-A, B-B, C-C

FRED L. STROUT ARCHITECT  
179 MAINE STREET HULLSWELL, MAINE  
Scale 1/4" = 1'-0", As Noted  
Specs. 17-018-56-7  
Sheet B of 28  
Approved



Date  
Drawn by  
Job No. 256  
17-018-56-7





MAINE NATIONAL GUARD ARMORY  
STANDARD ONE UNIT

3/4" SCALE WALL SECTIONS

FRED L. STROUT ARCHITECT  
20 MAPLE STREET HALLLOWELL, MAINE

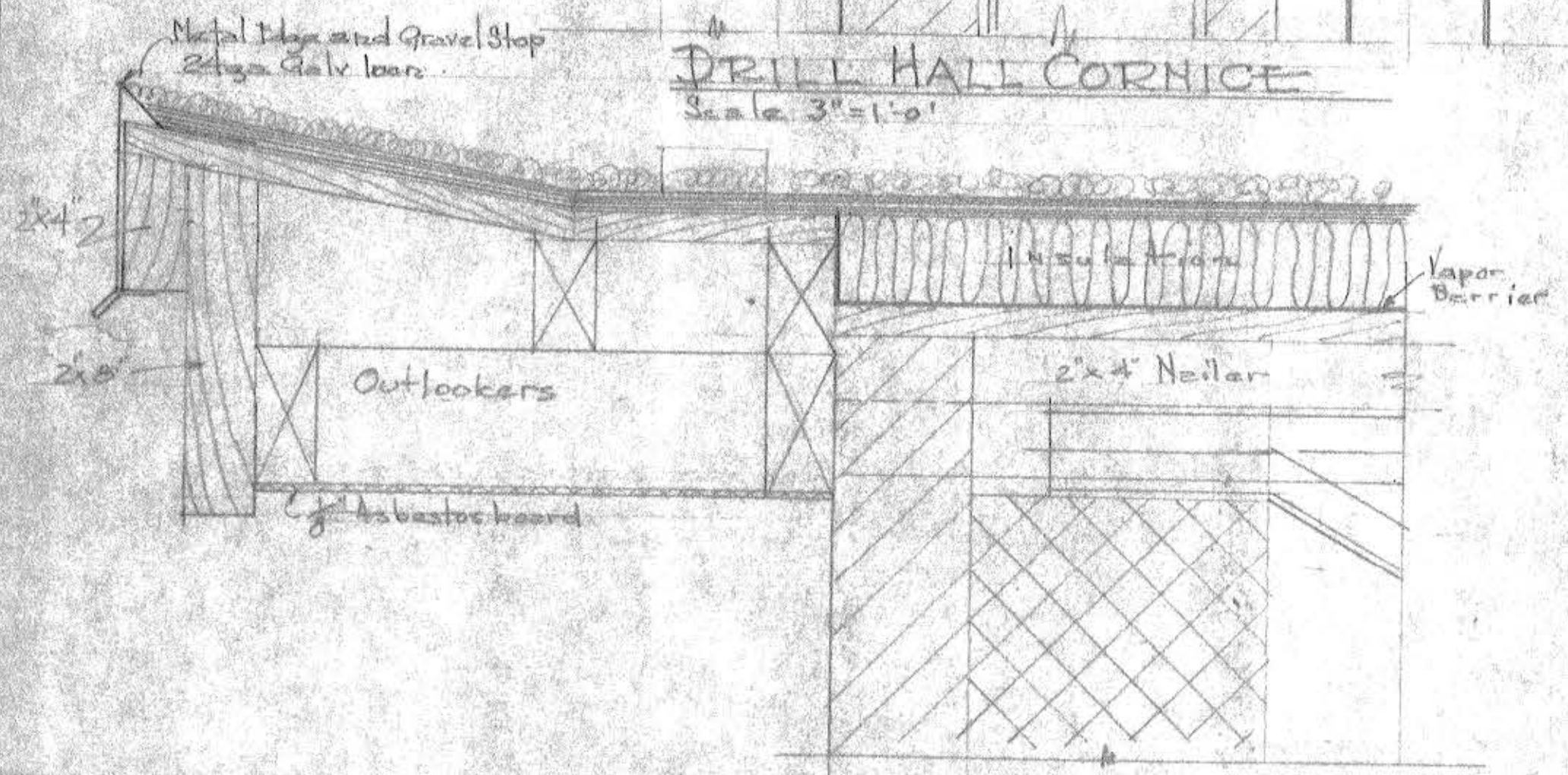
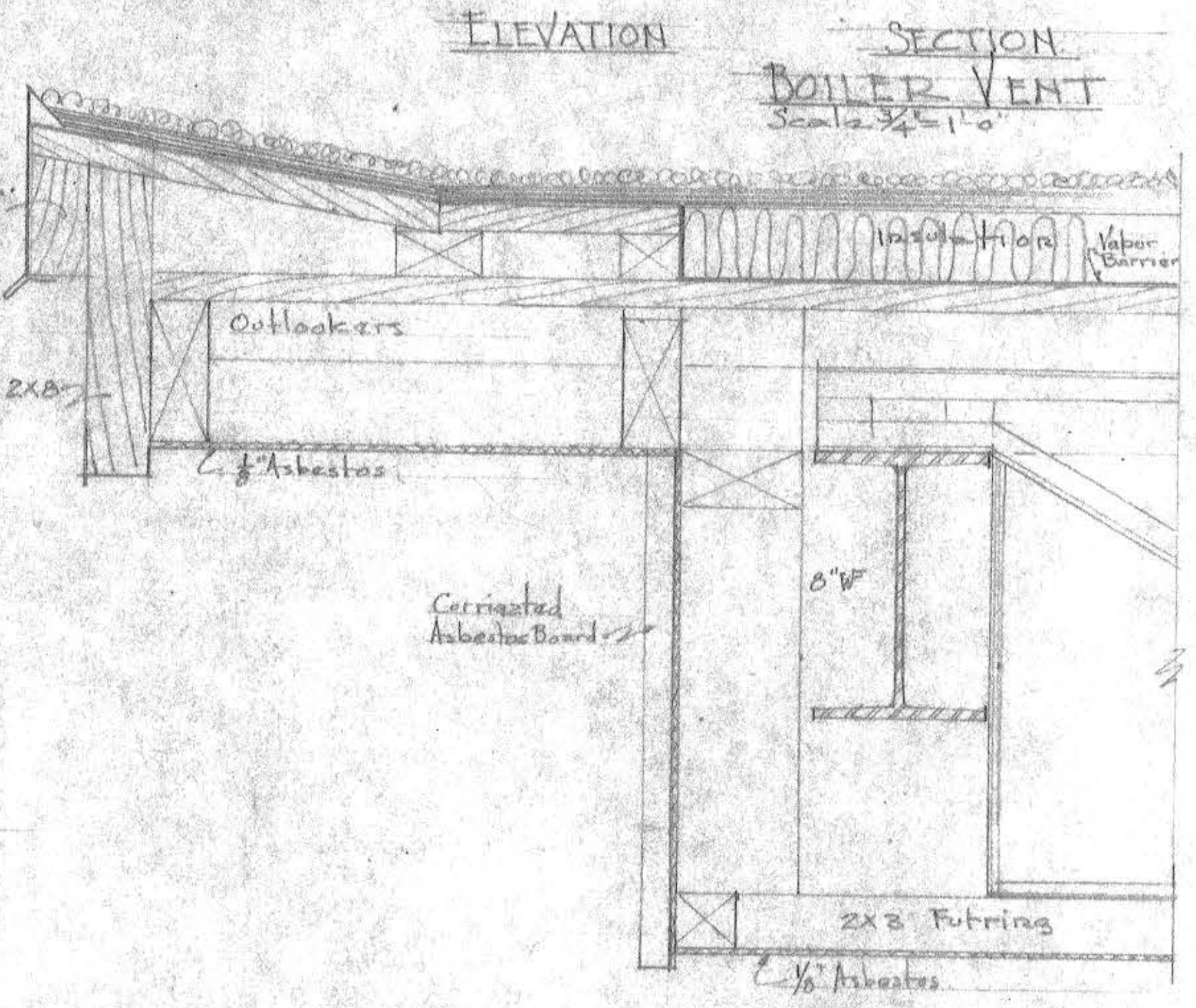
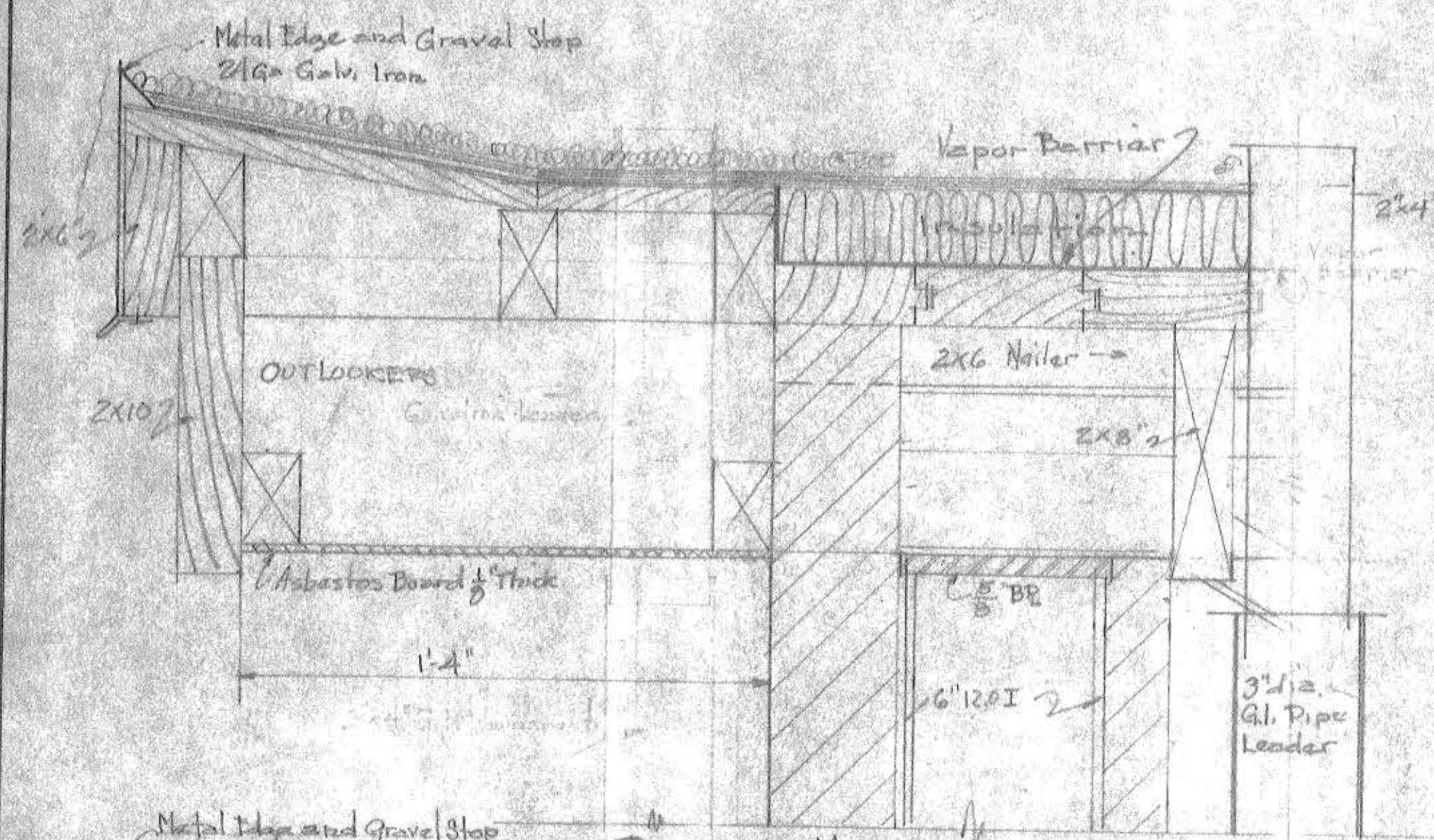
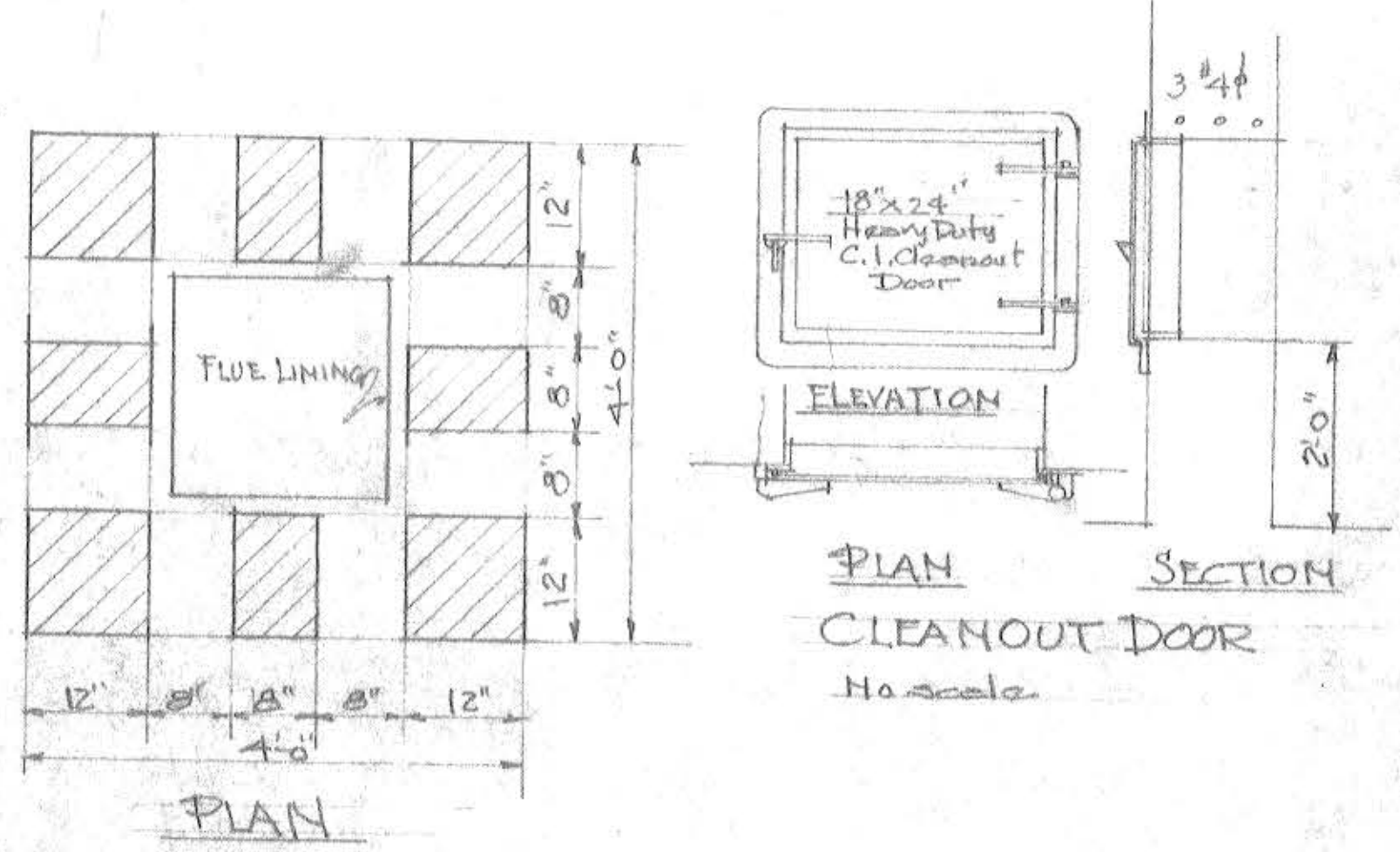
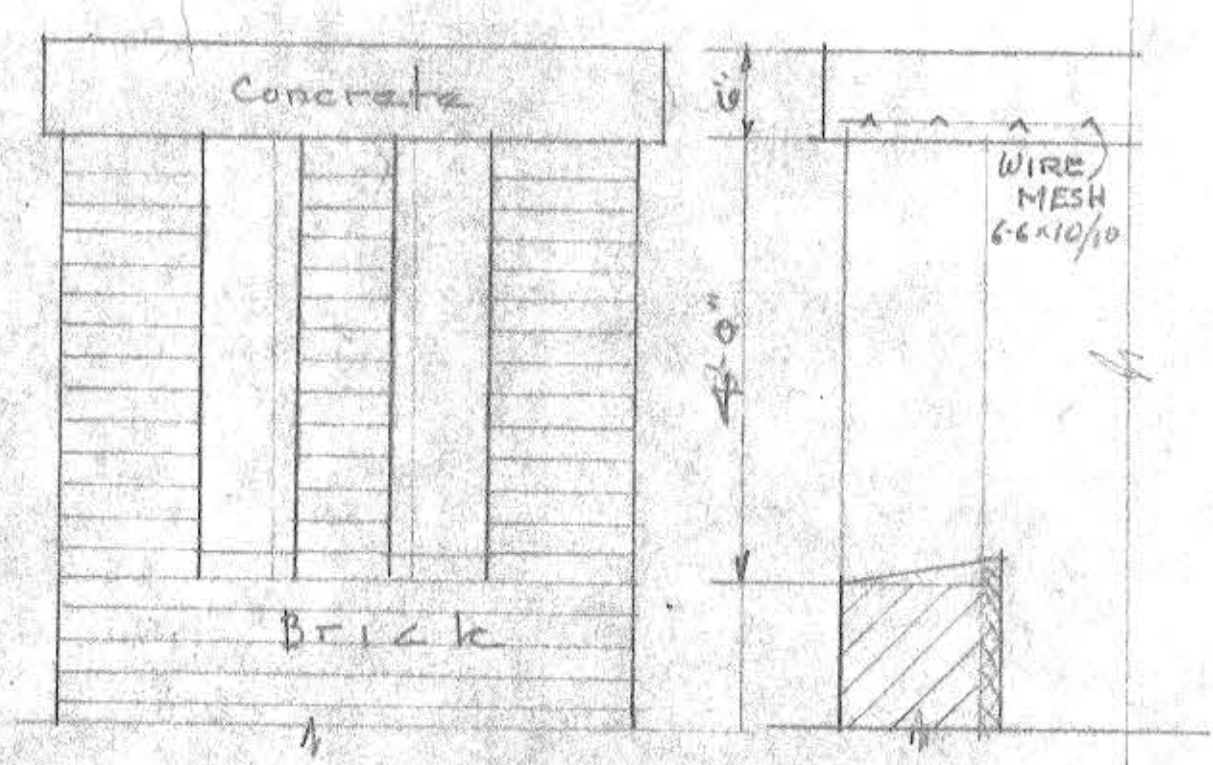
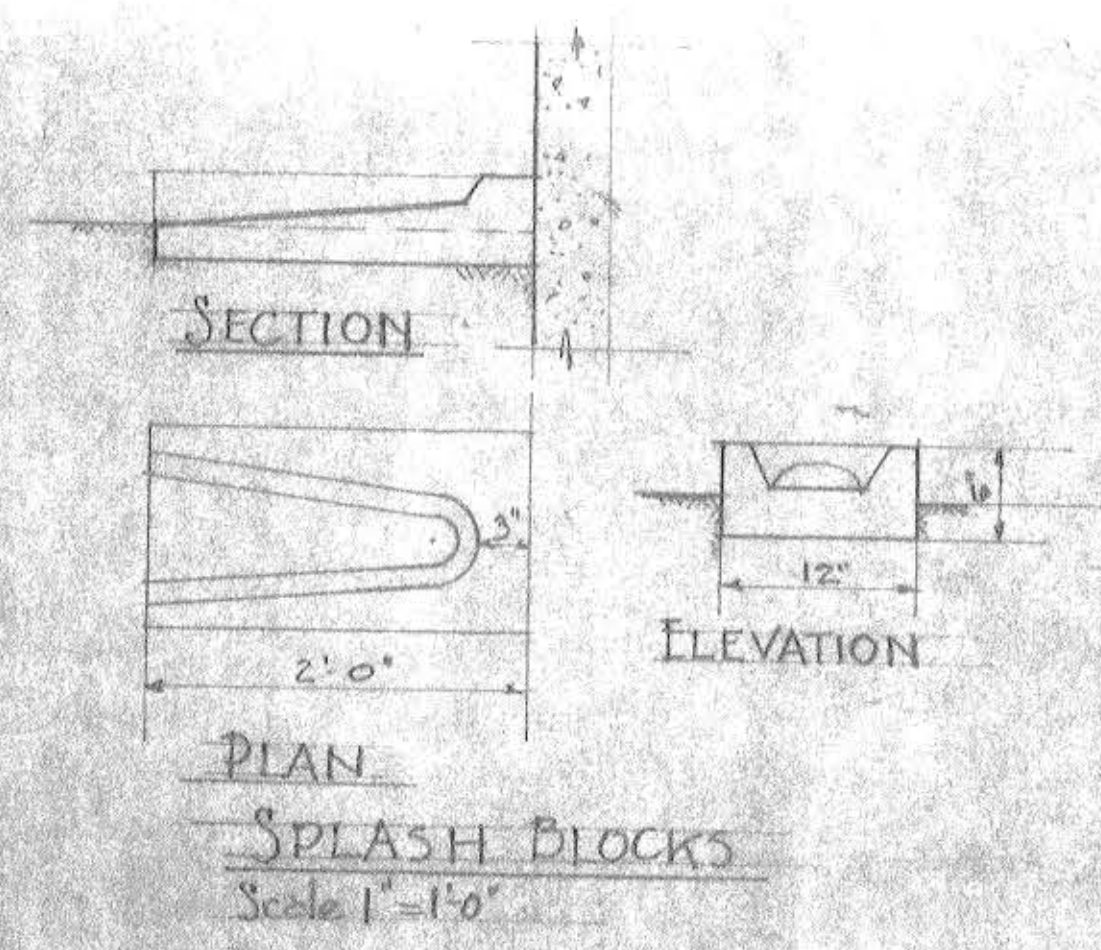
Scale 3/4" = 1'-0"  
Sheet 17-013-56-7  
Sheet 9 of 23  
Approved  
Date 17-013-56-7

Drawn by  
Sheet

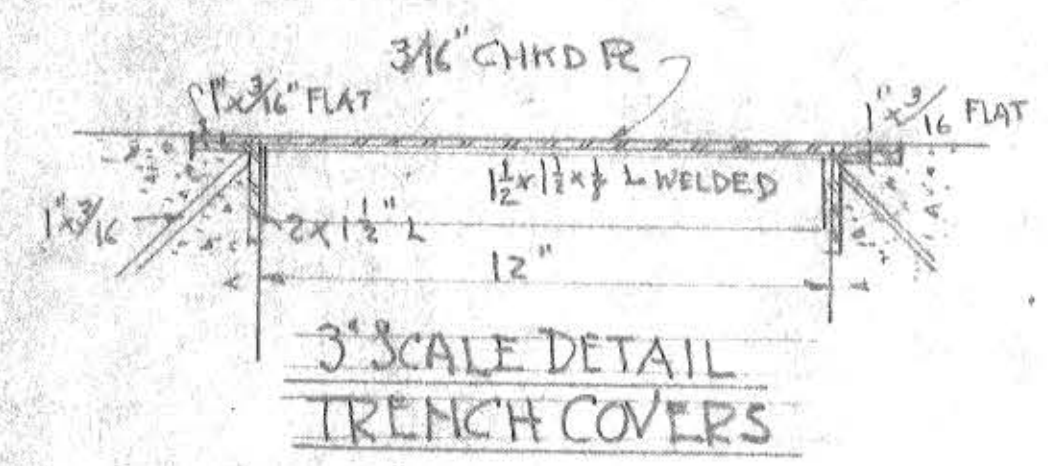
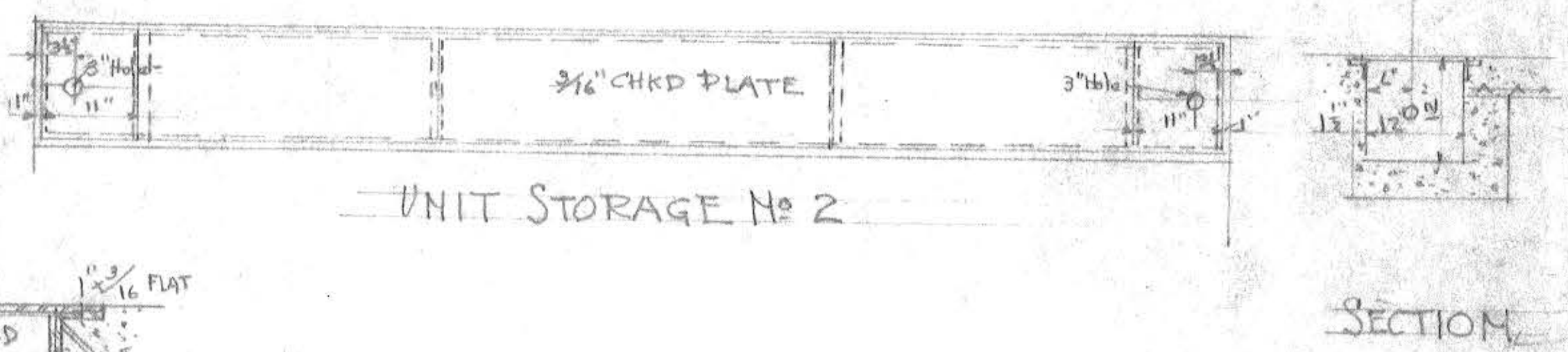
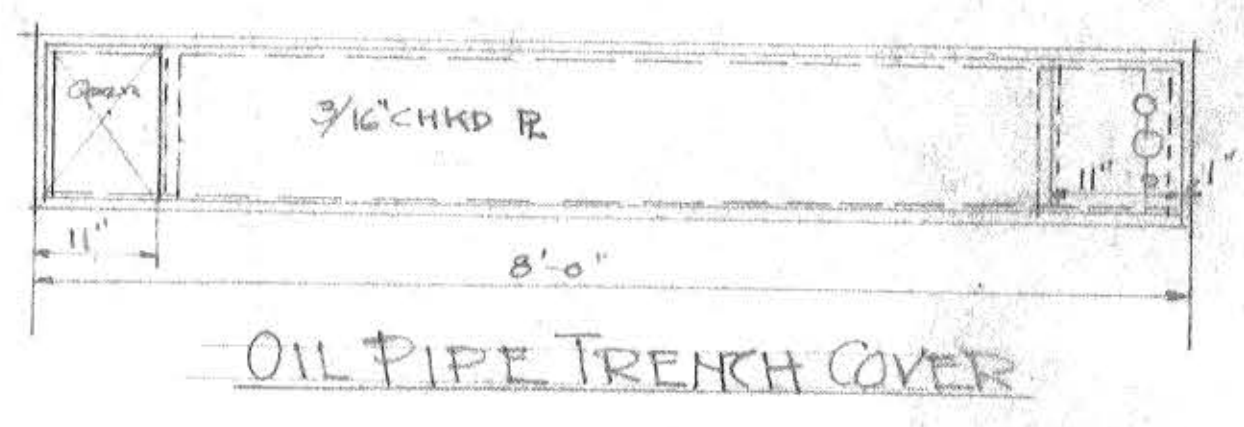
Job No.  
17-013-56-7

DATE  
17-013-56-7

FRED L. STROUT ARCHITECT  
STATE OF MAINE



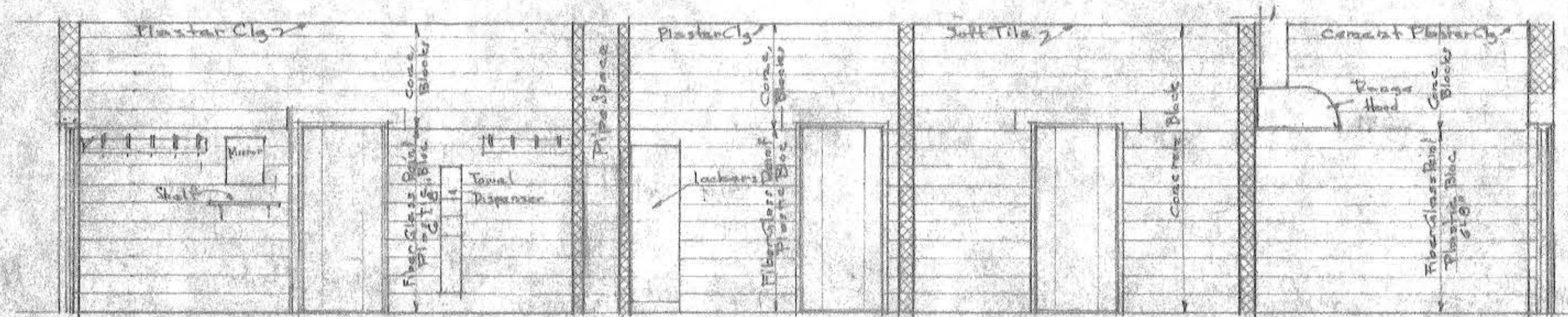
ENTRANCE CORNICE  
Scale 3"=1'-0"



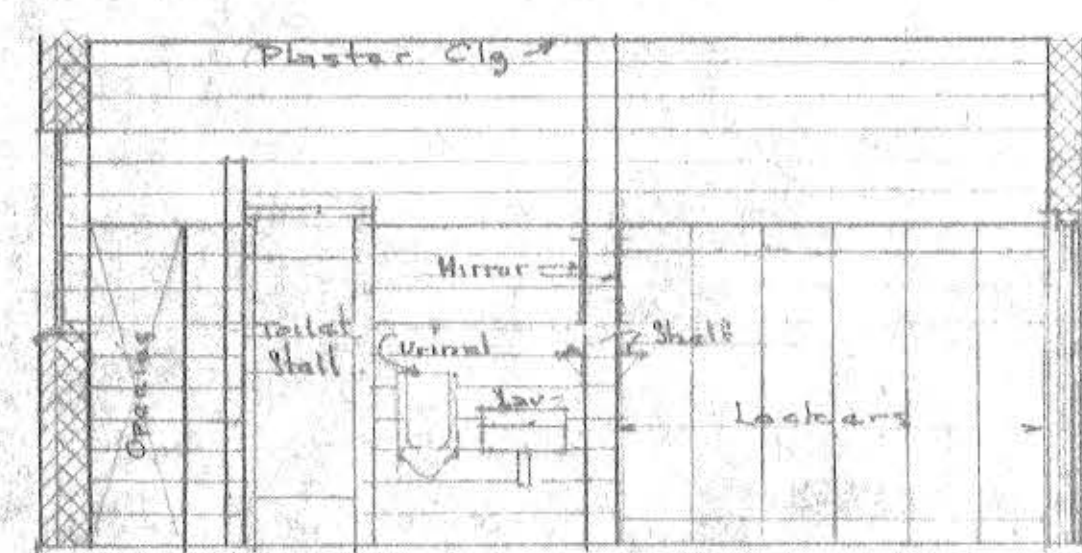
LOW-ROOF CORNICE  
Scale 3"=1'-0"

MAINE NATIONAL GUARD ARMORY STANDARD ONE UNIT	
CORNICE DETAILS MISCELLANEOUS DETAILS	
FRED L. STROUT ARCHITECT	Scale 3/4"=1'-0" As Noted Specification 17-015.55-2
Approved	SHEET 10 OF 28
Date	Drawing No.
Drawn by: Strout	17-015.55-2

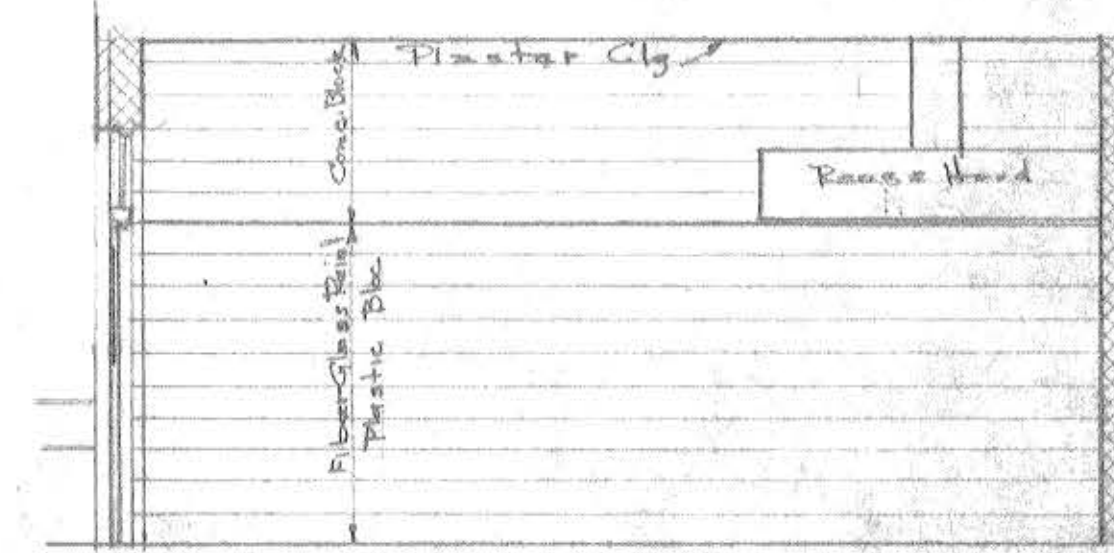




ELEVATION 1-1



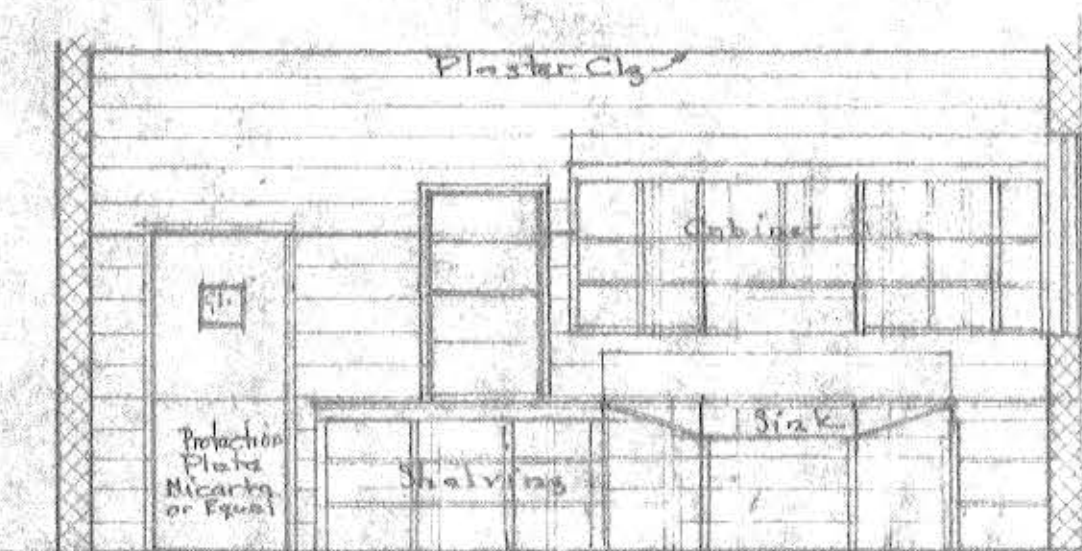
ELEVATION 4-4



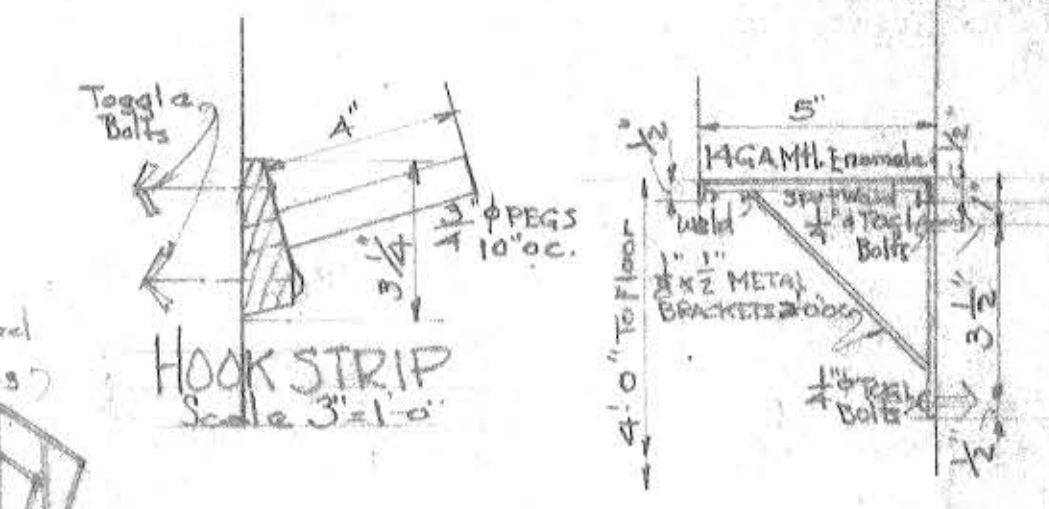
ELEVATION 3-3



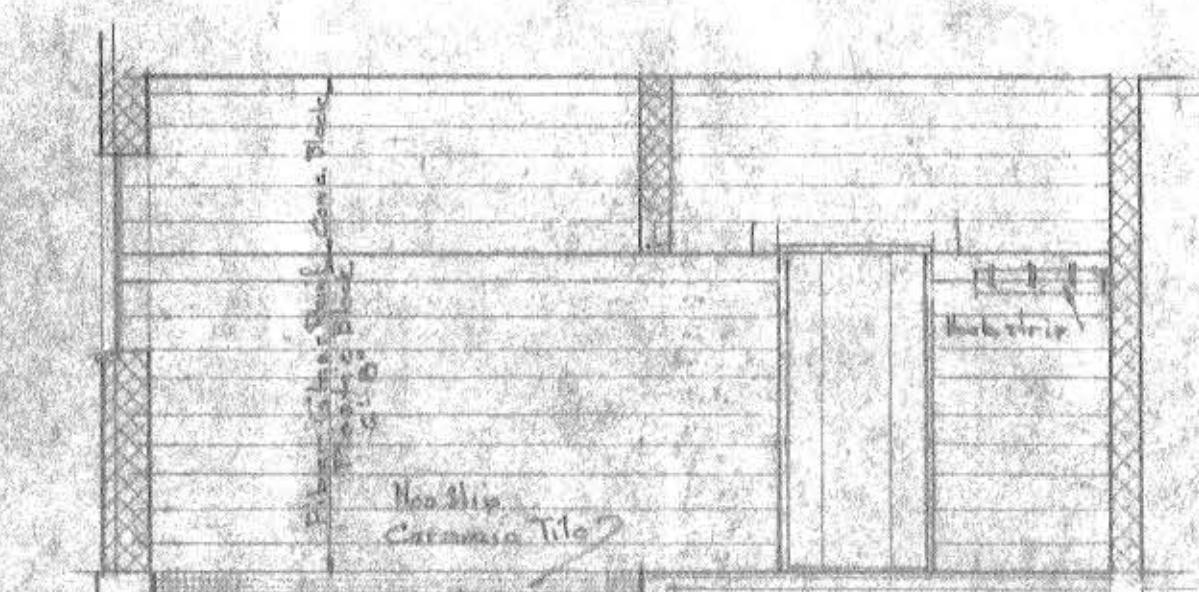
ELEVATION 5-5



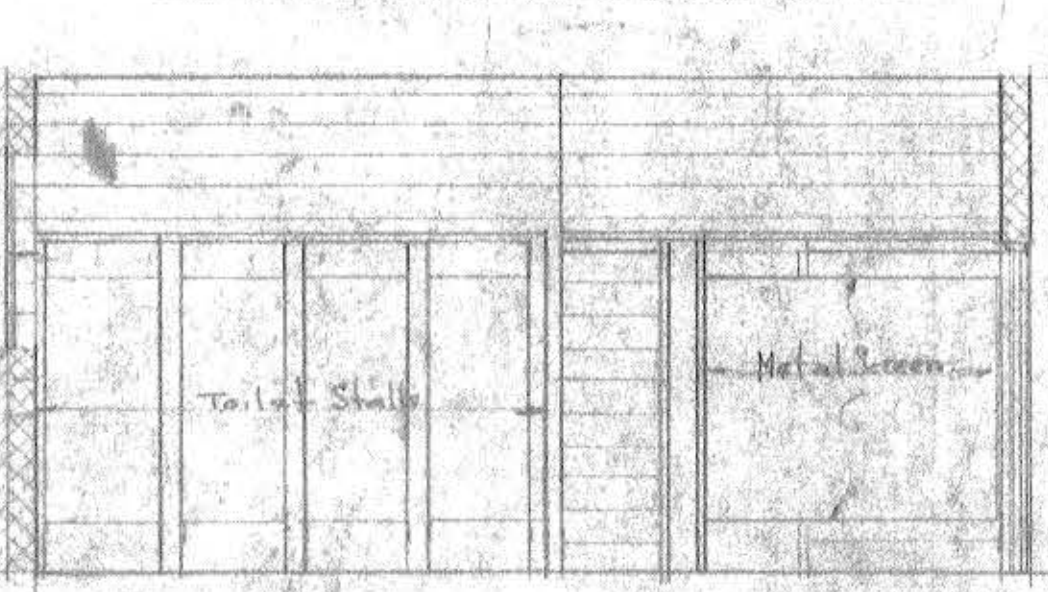
ELEVATION 2-2



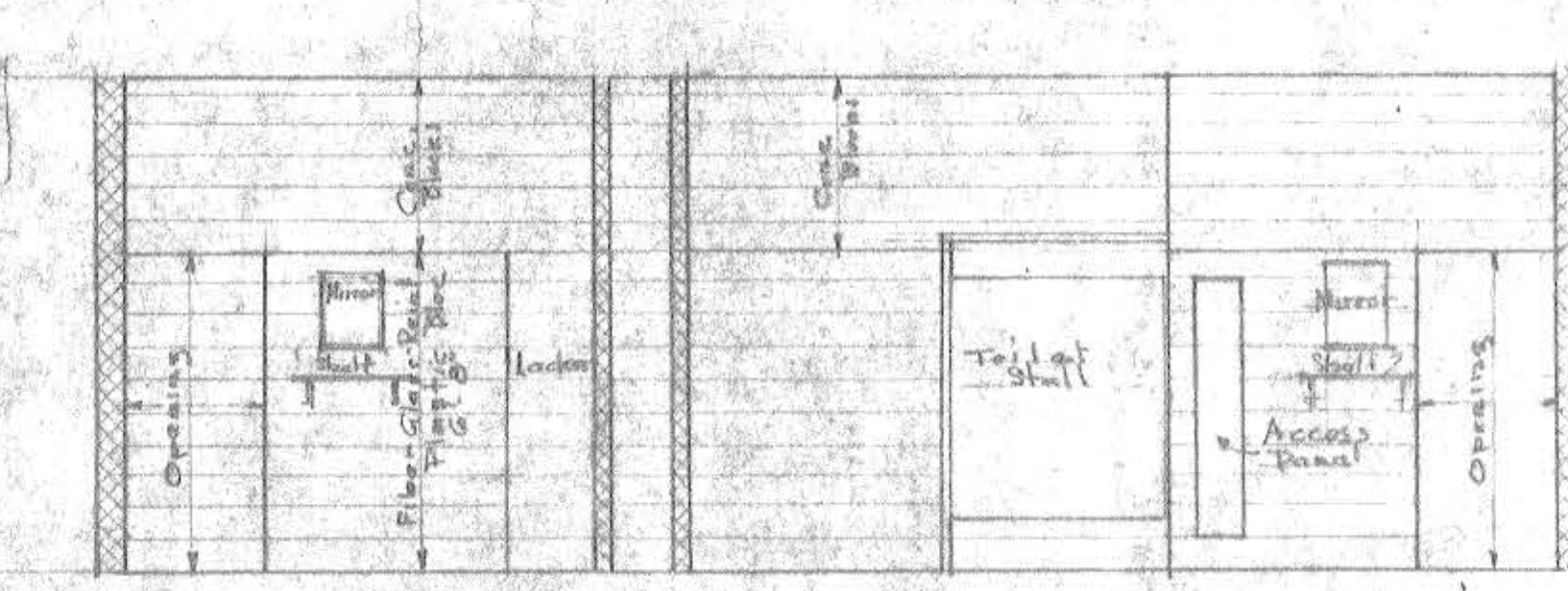
SECTION THRU SHELVES IN SHOWER RMS  
Scale 3" = 1'-0"



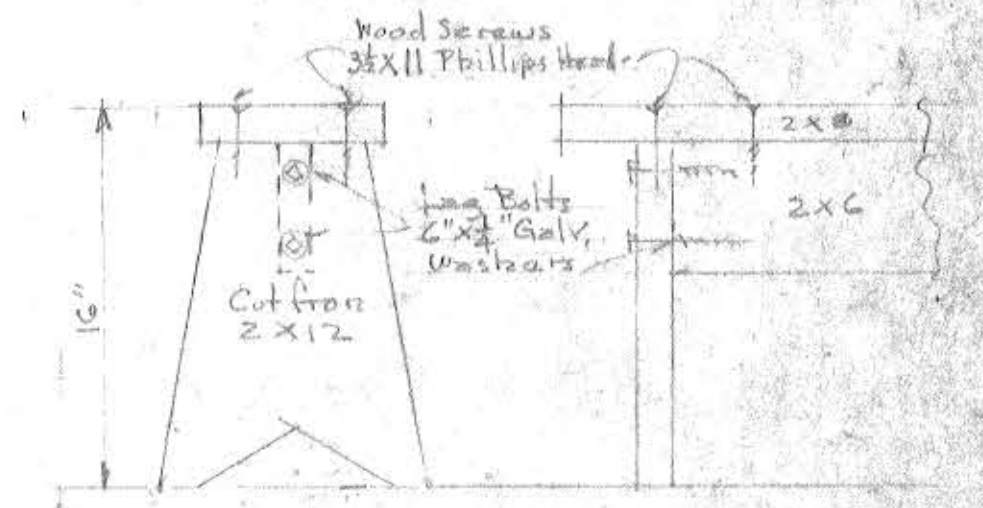
ELEVATION 7-7



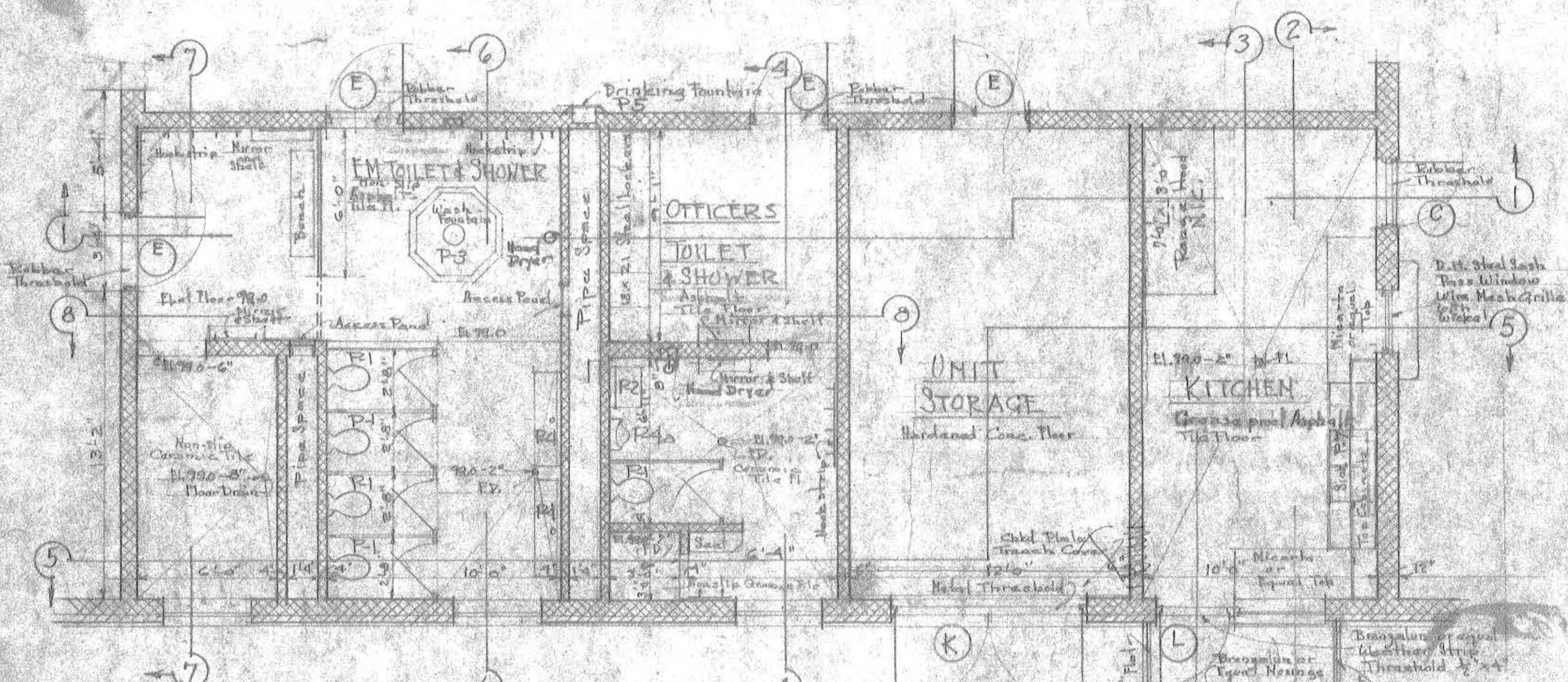
ELEVATION 6-6



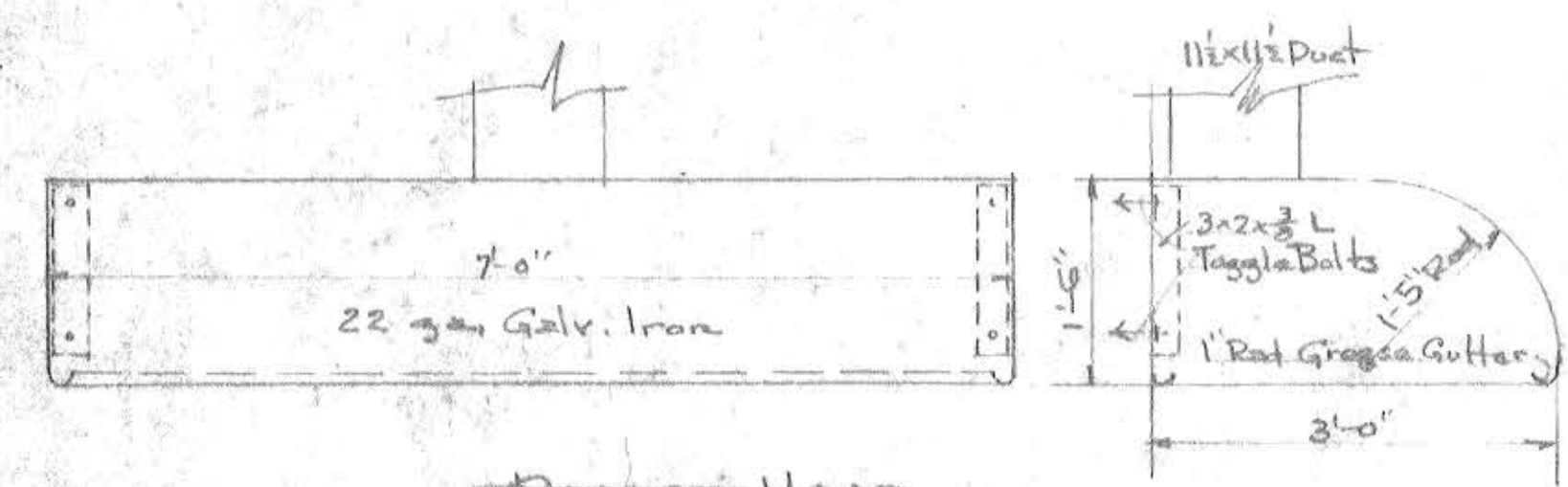
ELEVATION 8-8



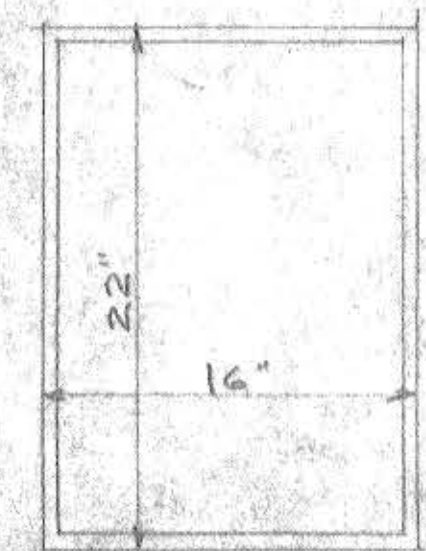
LOCKER & SHOWER RM BENCHES  
Scale 1/2" = 1'-0"



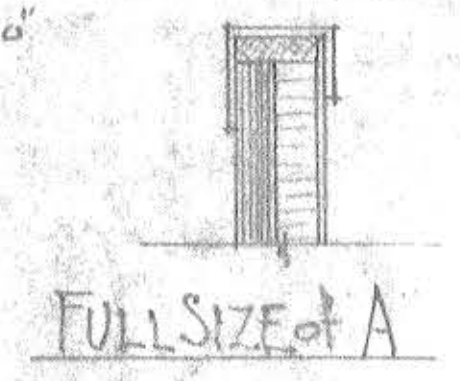
TOILET, SHOWER AND KITCHEN LAYOUT  
Scale 1/4" = 1'-0"



RANGE HOOD  
Scale 3/4" = 1'-0"



MIRROR  
Scale 1/2" = 1'-0"



FULL SIZE of A

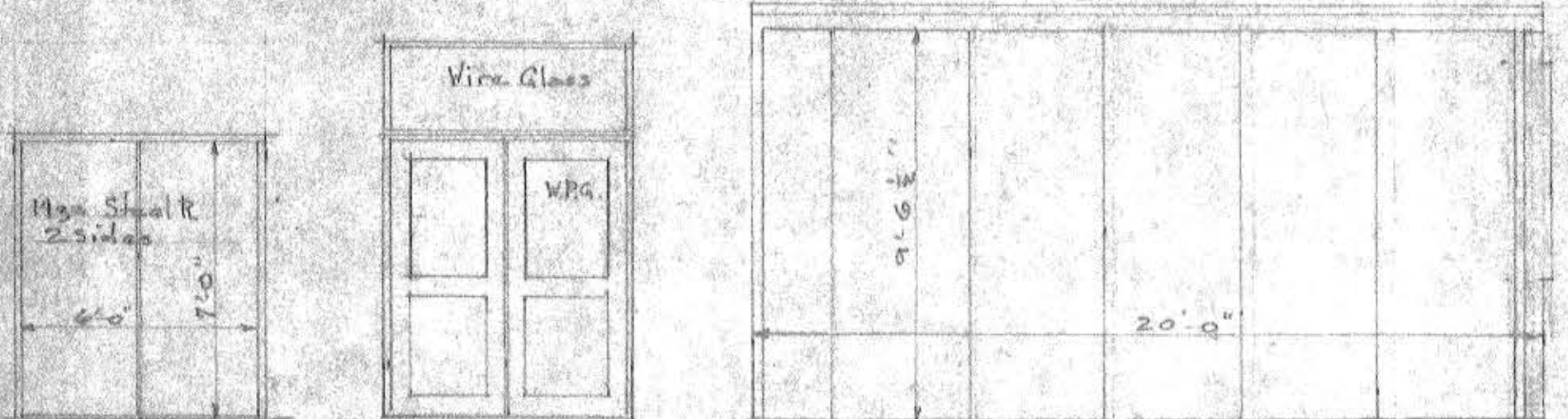
MAINE NATIONAL GUARD ARMOY	
STANDARD ONE UNIT	
SHOWER-TOILET-KITCHEN	
PLANS, ELEVATIONS, DETAILS	
FRED L. STROUT	Scale 1/4" = 1'-0" As Noted
ARCHITECT	Specification 17-018-55-2
Approved	SHEET 11 of 23
Date	
Drawn by Stroat	17-018-55-2





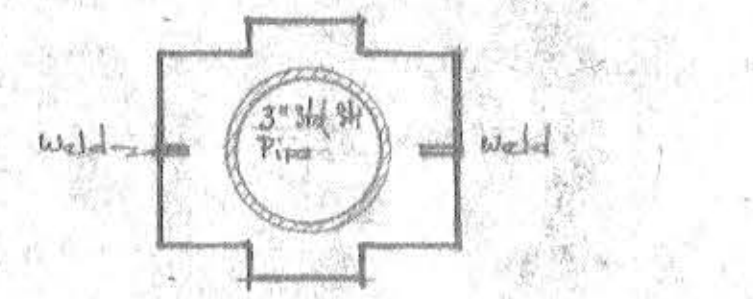
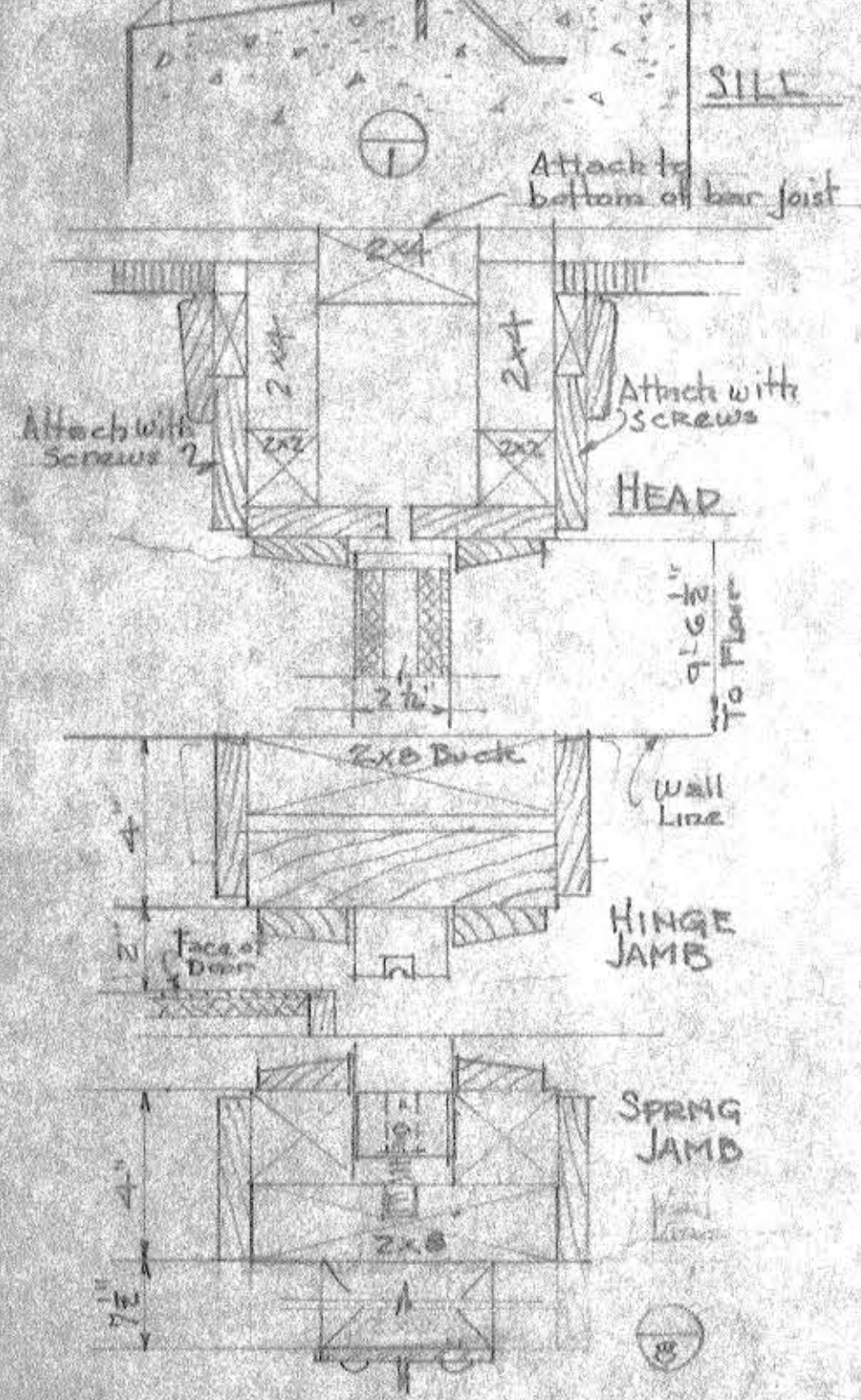
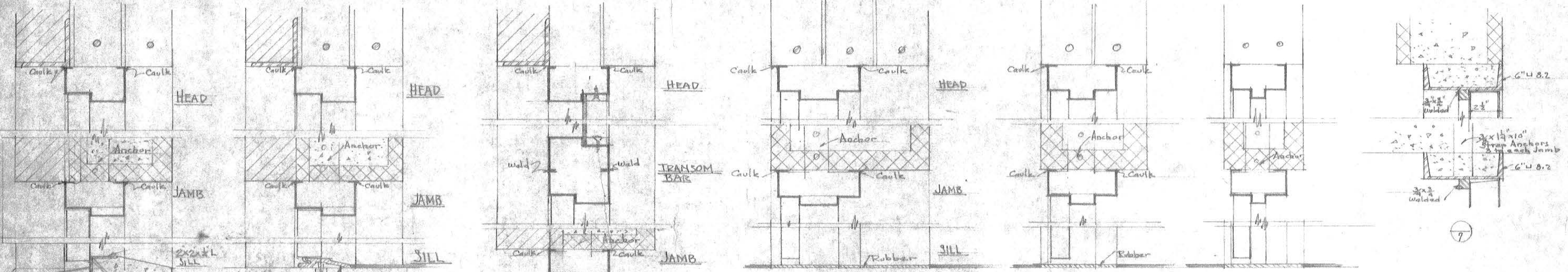
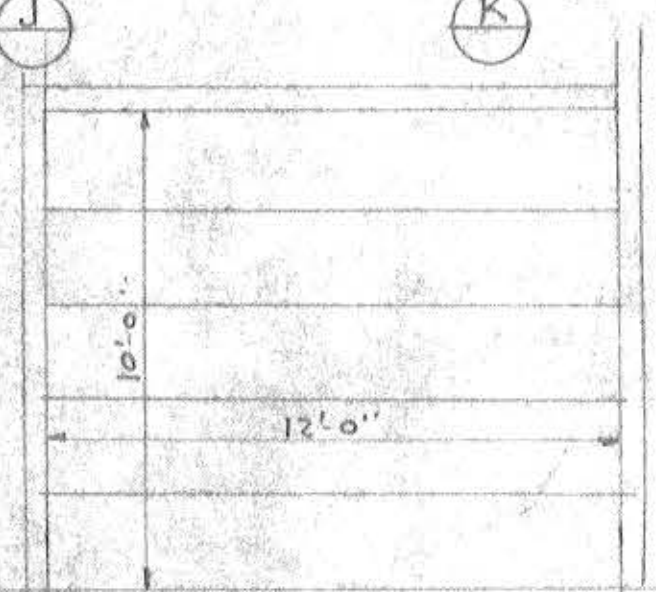
EXT. STEEL    FIRE DOOR    INT. STEEL

(A)    (B)    (C)    (D)    (E)    (F)    (G)    (H)    (I)    (J)    (K)    (L)    (M)    (N)

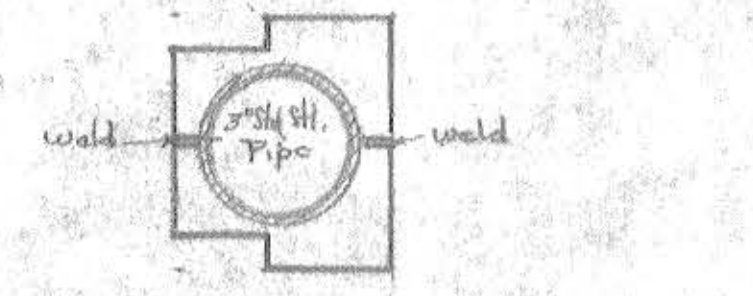


FOLDING PARTITION  
R.W. 135 WITH 136B TYPE DOORS  
OR APPROVED EQUAL

**DOOR SCHEDULE**  
Scale 1/4" = 1'-0"



INTERIOR DOOR MULLION



EXTERIOR DOOR MULLION

**DOOR FRAME DETAILS**  
Scale 3/4" = 1'-0"

NOTE: Where interior doors are equipped with closers, the minimum space between door opening and wall shall be 8"

(X) Denotes Door Type & Size  
Denotes Door Buck Type

All caulking to be done with neoprene caulking compound



MAINE NATIONAL GUARD ARMORY STANDARD ONE UNIT	
DOOR SCHEDULE AND DOOR FRAME DETAILS	
FRED L. STROU ARCHITECT 59 MAPLE STREET HALLOWELL, ME	Scale 1/4" = 1'-0" As Noted Specification 17-C18-55-7 SHEET 12 OF 28
Approved: _____ D.L. Drawn by Strou	DRAWING NO. 17-C18-55-7



# ROOM FINISH SCHEDULE

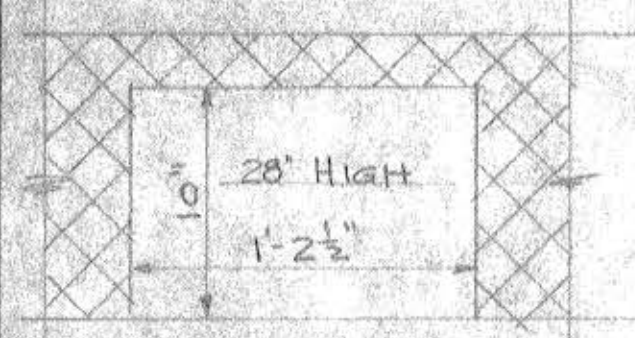
MATERIAL	FINISH											
BASMENT	FLOOR	BASE	WAINSCOT	WALL	CEILING	TRIM	FLOOR	BASE	WAINSCOT	WALL	CEILING	TRIM
BOILER ROOM	Concrete	None	None	Concrete	Concrete	Metal	Hardener	None	None	None	Paint-White	Paint-Gray
STAIR HALL	Concrete	None	None	Concrete	Concrete	Metal	Hardener	None	None	None	Paint-White	Paint-Gray
GROUND FLOOR												
LOBBY	Asphalt Tile	FGPB	None	Concrete Blocks	Soft Tile	Metal	Waxed		Paint 3/4" High Color - C	Paint Color - D	Not Painted	Paint Color - E
NCO STAFF	Asphalt Tile	FGPB	None	Concrete Blocks	Acoustic Tile	Metal	Waxed		Paint 3/4" High Color - C	Paint Color - D	Not Painted	Paint Color - E
COMPANY OFFICERS	Asphalt Tile	FGPB	None	Concrete Blocks	Acoustic Tile	Metal	Waxed		Paint 3/4" High Color - C	Paint Color - F	Not Painted	Paint Color - E
CO. OFFICE	Asphalt Tile	FGPB	None	Concrete Blocks	Acoustic Tile	Metal	Waxed		Paint 3/4" High Color - C	Paint Color - H	Not Painted	Paint Color - E
LIBRARY/DAY ROOM	Asphalt Tile	FGPB	None	Concrete Blocks	Acoustic Tile	Metal	Waxed		Paint 3/4" High Color - H	Paint Color - F	Not Painted	Paint Color - E
DRILL HALL	Vinyl Plastic/Asbestos	FGPB	None	Concrete Blocks	Wood	Metal	Waxed		Paint 1/2" High Color - H	Paint Color - B	Paint Color - A	Paint Color - E
PILE RANGE	Conc. Hardened	None	None	Concrete Blocks	None	Metal	Hardener	None	Paint 1/2" High Color - G	None	Paint Color - A	Paint Color - E
CLASS ROOMS	Asphalt Tile	FGPB	None	Concrete Blocks	Acoustic Tile	Metal	Waxed		Paint 3/4" High Color - H	Paint Color - B	Not Painted	Paint Color - E
WOMENS TOILET	Ceramic Tile	FGPB	None	Concrete Blocks	Cement Plaster	Metal	None	None	None	Paint Color - F	Paint Color - A	Paint Color - E
CORRIDOR	Asphalt Tile	FGPB	None	Concrete Blocks	Soft Tile	Metal	Waxed		Paint 1/2" High Color - G	Paint Color - F	Not Painted	Paint Color - E
MAINT. CUSTODIAL	Concrete	None	None	Concrete Blocks	C.P.	Metal-Wood	Hardener	None	Paint 1/4" High Color - B	None	None	Paint Color - E
UNIT STORAGE #1	Asphalt Tile	None	None	Concrete Blocks	Soft Tile	Metal-Wood	Waxed	None	None	None	Not Painted	Paint Color - E
VAULT	Asphalt Tile	None	None	Concrete	Concrete	Metal	Waxed	None	None	Paint Color - D	Paint Color - A	Paint Color - E
EM LOCKER ROOM	Asphalt Tile	None	FGPB 7/2" High	Concrete Blocks	C.P.	Metal	Waxed	None	None	Paint Color - F	Paint Color - A	Paint Color - E
EM SHOWER/TOILET	Asphalt Tile and Ceramic Tile	None	FGPB 7/2" High	Concrete Blocks	V.C.P.	Metal	None	None	None	Paint Color - F	Paint Color - A	Paint Color - E
OFFICERS TOILET	Asphalt Tile	None	FGPB 7/2" High	Concrete Blocks	V.C.P.	Metal	None	None	None	Paint Color - F	Paint Color - A	Paint Color - E
UNIT STORAGE #2	Concrete Hardened	None	None	Concrete Blocks	Soft Tile	Metal	Hardener	None	None	None	None	Paint Color - E
KITCHEN	Grasscloth/Asphalt Tile	None	FGPB 4 3/4" High	Concrete Blocks	C.P.	Metal-Wood	Waxed	None	None	Paint Color - F	Paint Color - A	Paint Color - E

## COLOR SCHEDULE

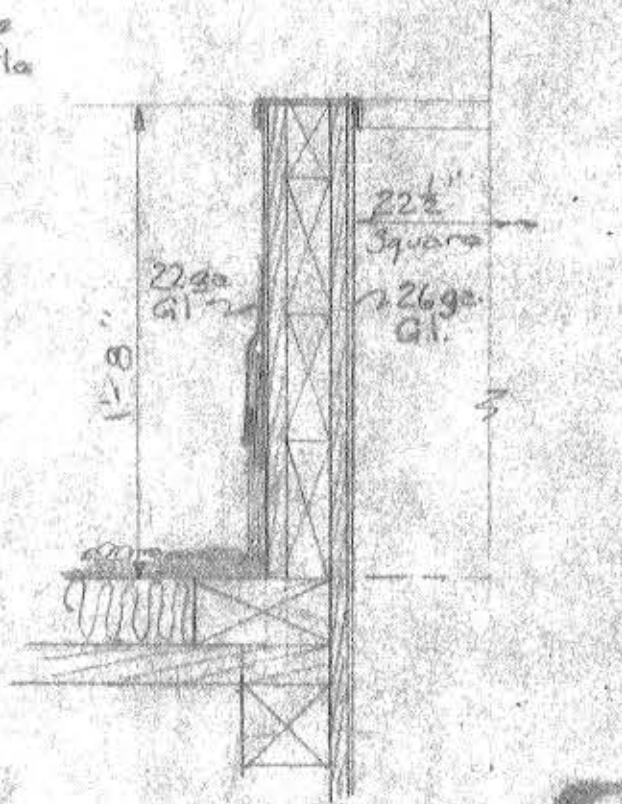
A Bone White (N)	Pratt & Lambert #1
B Sagebrush (G)	" " #35
C Clover (G)	" " #44
D Sand (N)	" " #27
E Brilliant Gray (N)	" " #28
F Kant (M)	" " #31
G Tanager (B)	" " #60
H Labrador (R)	" " #29

Note: Above colors are Pratt & Lambert new Luf-all-toxide Colors. Similar colors by other paint manufacturers will be acceptable if equal in quality.

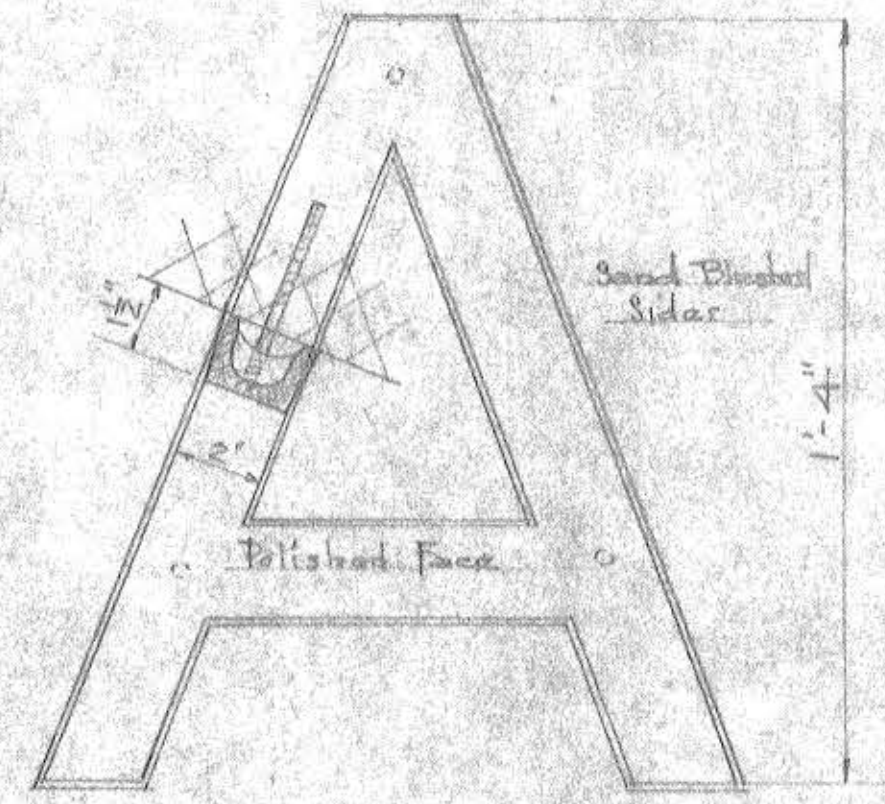
FGPB - Fiberglass Plastic Base  
 C.P. - Cement Plaster  
 Soft Tile = 12x12 perforated Ceiling Tile  
 Acoustic Tile = 12x12 perforated Ceiling Tile



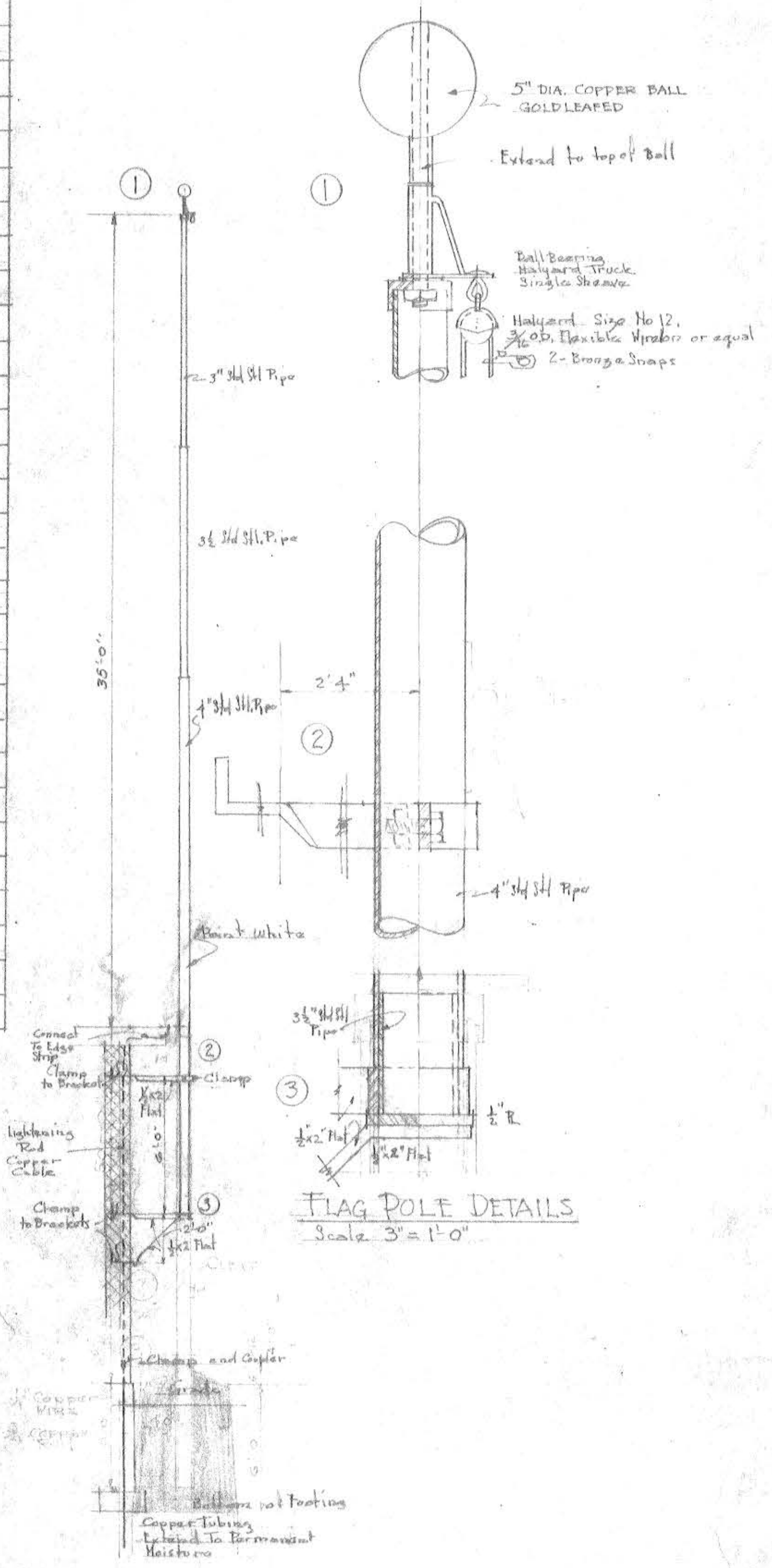
DRINKING FOUNTAIN RECESS  
 Scale 1/2" = 1'-0"



SECTION THROUGH FAN CURBS  
 Scale 1/4" = 1'-0"



TYPICAL LETTER  
 Scale 3/4" = 1'-0"  
 NOTE: For required letters see West Elevation



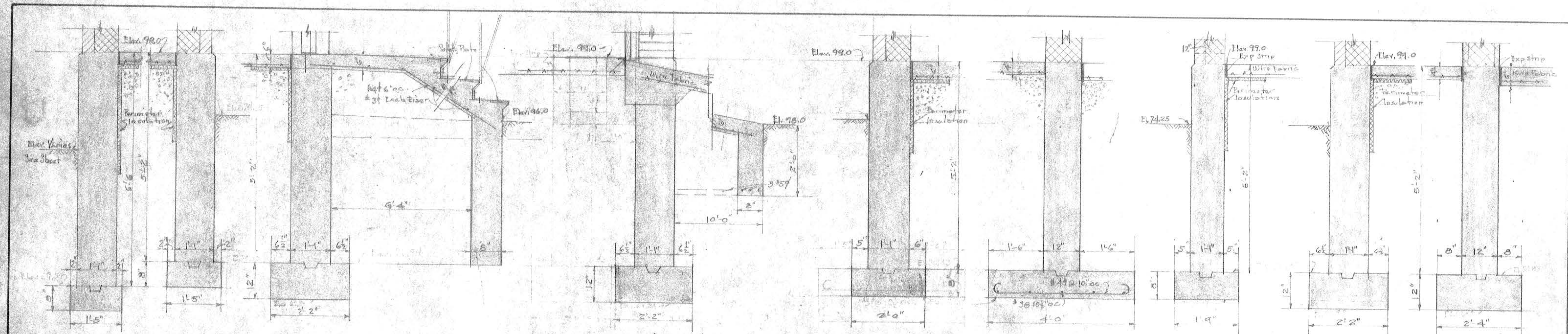
FLAG POLE DETAILS  
 Scale 3" = 1'-0"

FLAG POLE  
 Scale 1/2" = 1'-0"

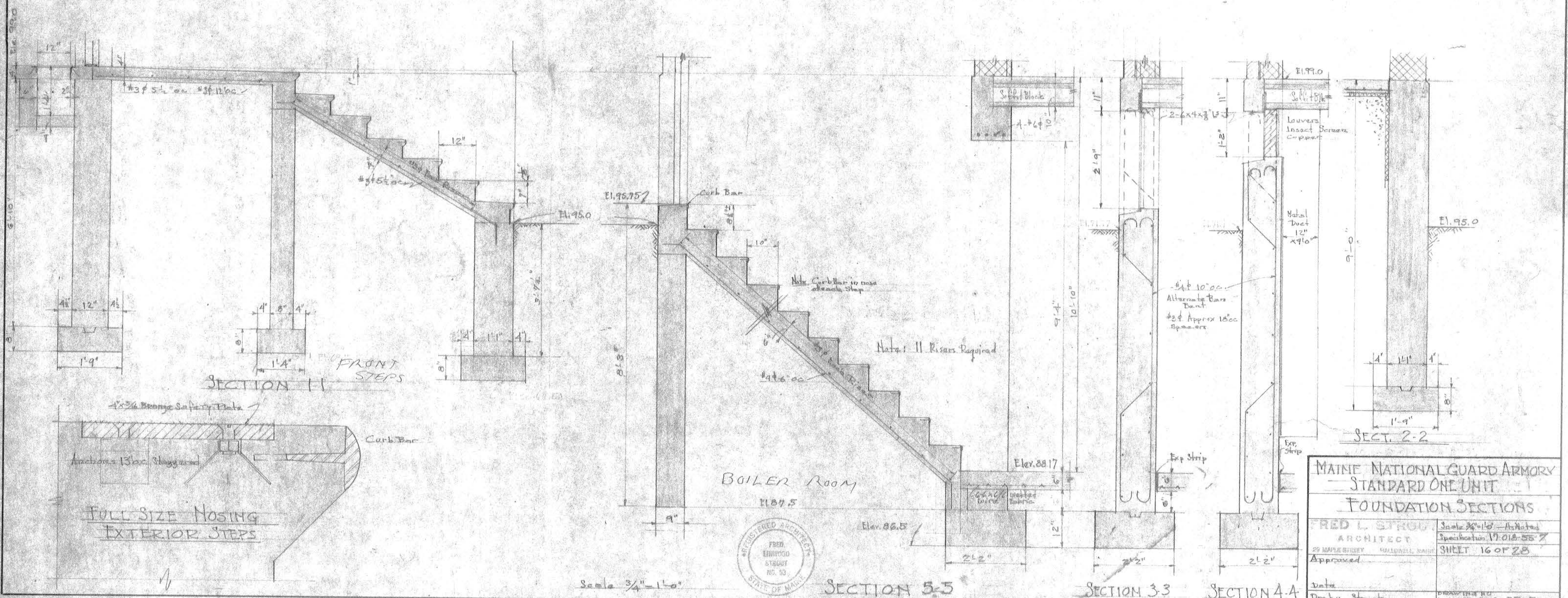


MAINE NATIONAL GUARD ARMORY STANDARD ONE UNIT	
ROOM FINISH SCHEDULE MISCELLANEOUS DETAILS	
FRED L. STROUT ARCHITECT	Scale As Shown Specification 17-018-55-2
200 BARKLEY STREET - BANGOR, MAINE	SHEET 14 OF 20
Approved _____	
Date _____	
Drawn by Strout _____	DRAWING NO. 17-018-55-2





SECT. 6-6 SECT. 7-7 SECT. 8-8 SECT. 9-9 SECT. 10-10 SECT. 11-11 SECT. 12-12 SECT. 13-13 SECT. 14-14



Scale 3/4" = 1'-0"



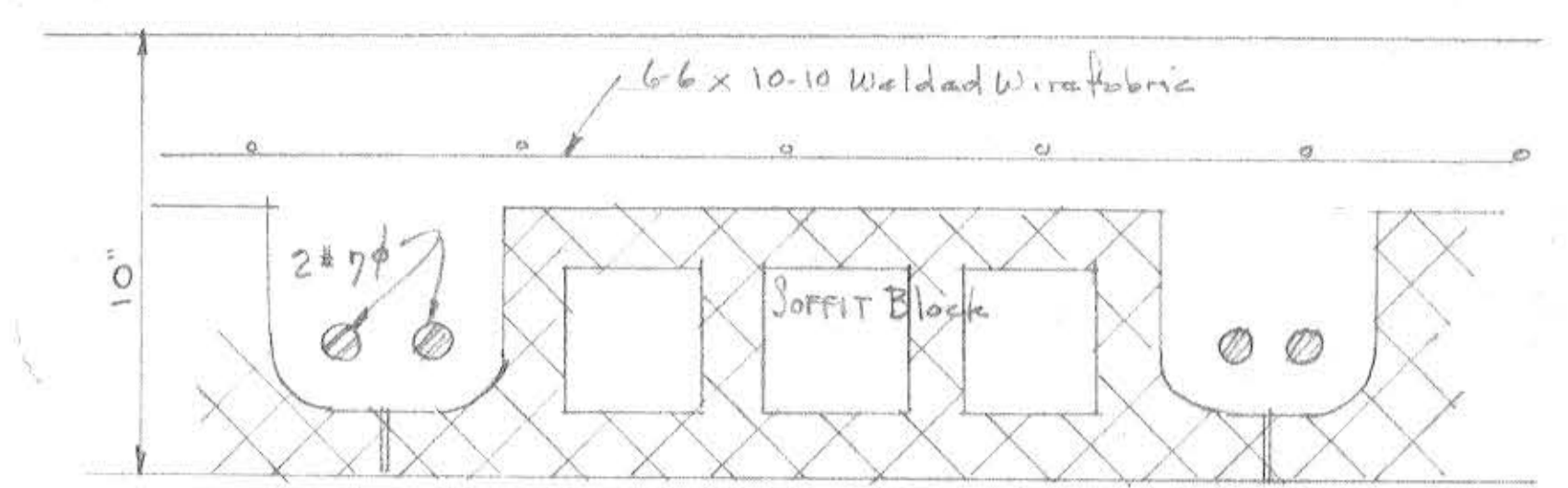
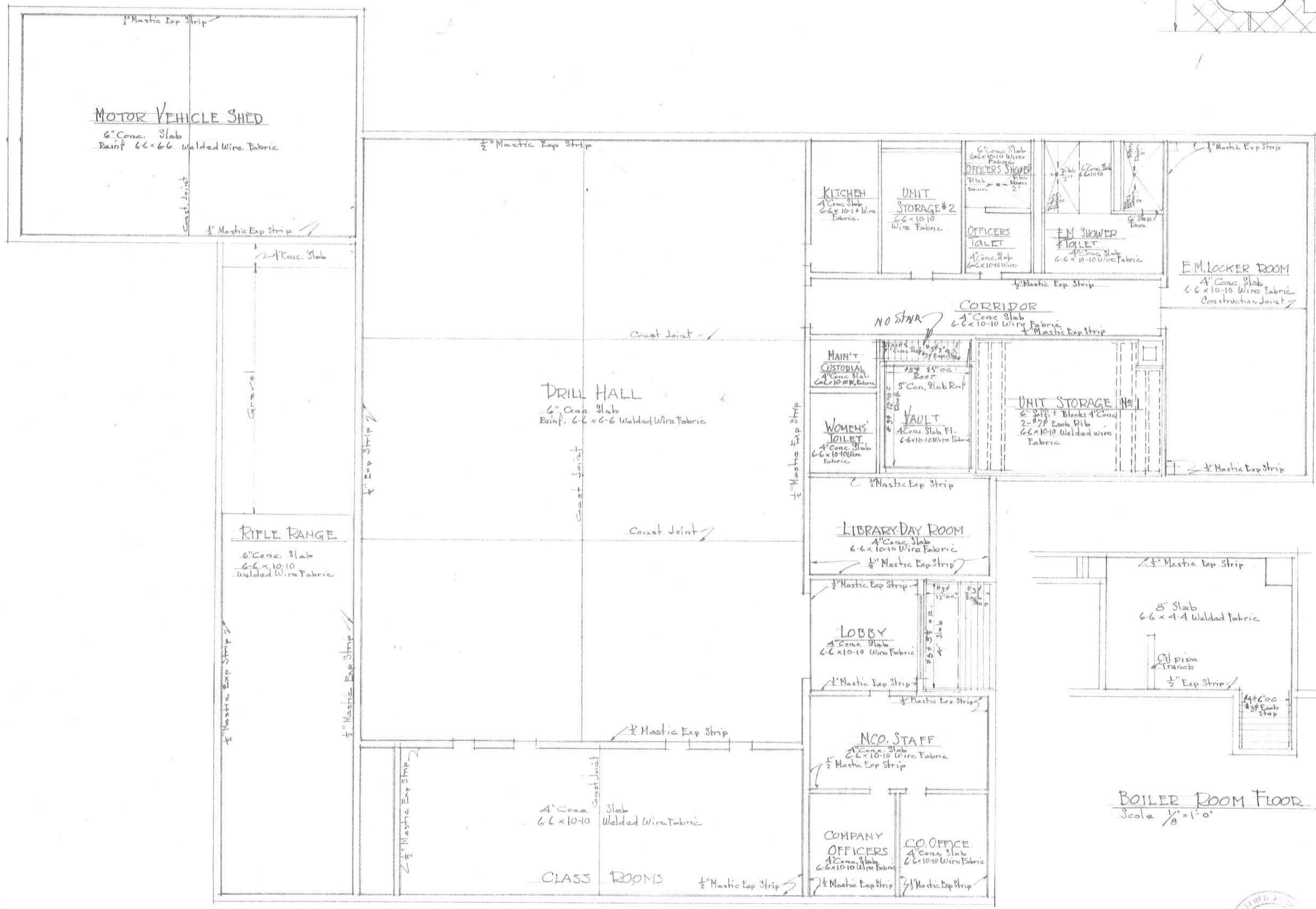
MAINE NATIONAL GUARD ARMORY  
 STANDARD ONE UNIT  
 FOUNDATION SECTIONS

FRED L. STROUT, ARCHITECT  
 29 MAINE STREET, HALLOWELL, MAINE

Scale 3/4" = 1'-0" - As Noted  
 Specification 17-018-55-2  
 SHEET 16 OF 28

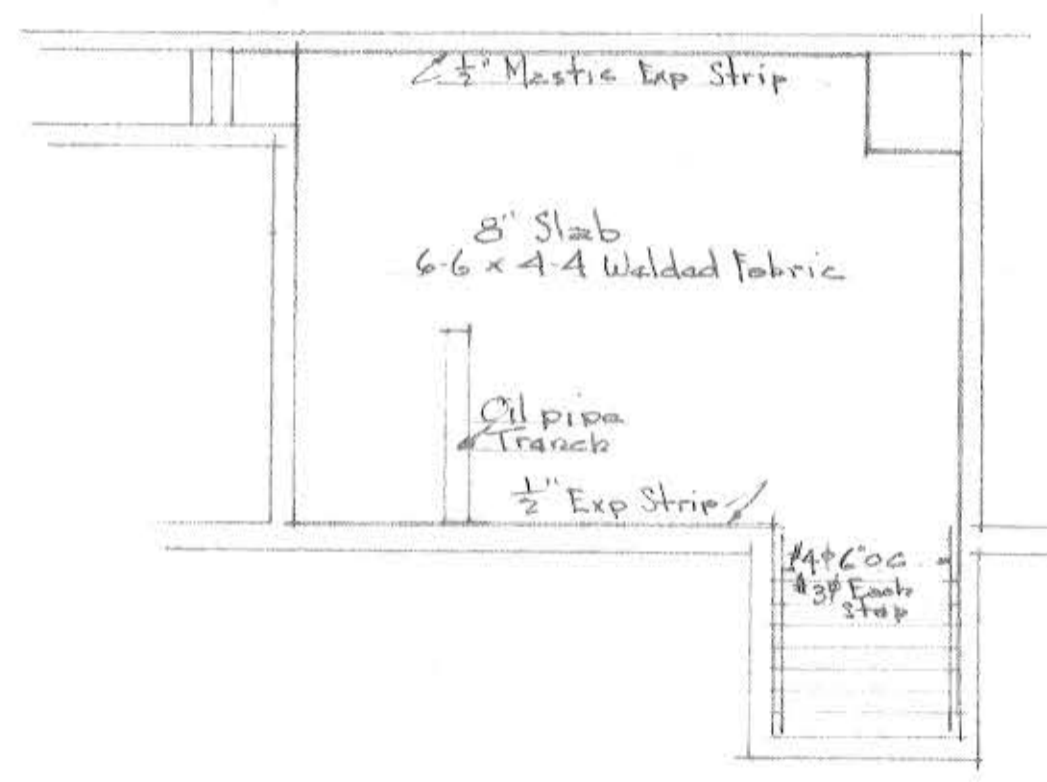
Approved: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Drawn by: Strout





DETAIL OF FLOOR CONSTRUCTION  
OVER BOILER ROOM

Scale 3" = 1'-0"  
 Floor Design:  
 Floor Weight 85 1/2'  
 L.L. 50 1/2'  
 Total 135 1/2'  
 Allowable  
 Floor as  
 Designed 168 1/2'



BOILER ROOM FLOOR  
Scale 1/8" = 1'-0"

FIRST FLOOR FRAMING  
Scale 1/8" = 1'-0"

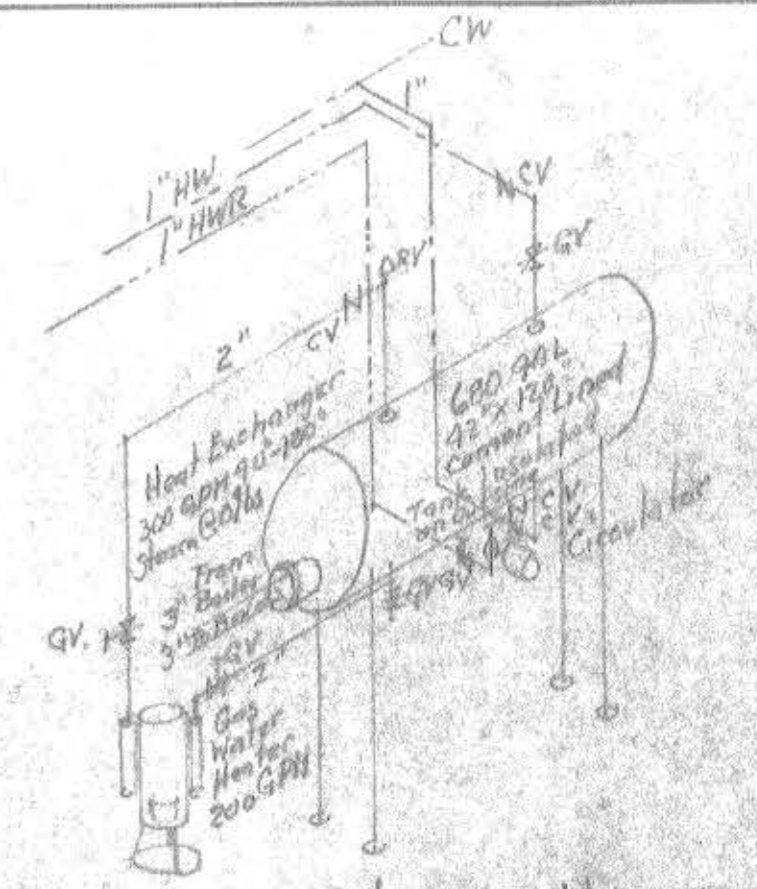
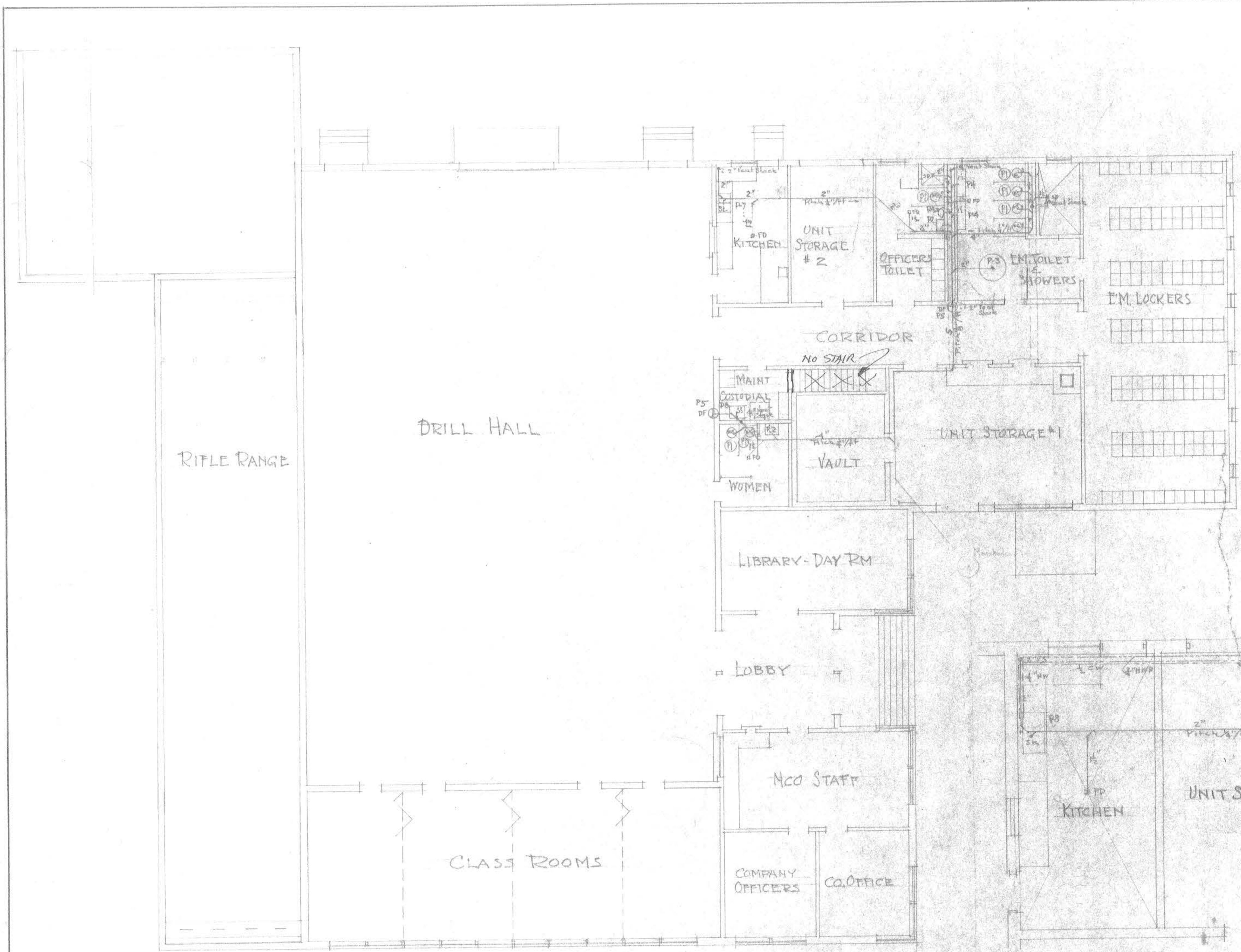
MAINE NATIONAL GUARD ARMY STANDARD ONE UNIT	
FIRST FLOOR FRAMING	
FRED L. STROUT ARCHITECT 20 WAYLE STREET HALLLOWELL, MAINE	Scale 1/8" = 1'-0" Spec No 17-018-56-7 Sheet 17 of 28
Approved	Date
Drawn Strout	Job No 256
	Drawing No 17-018-56-7







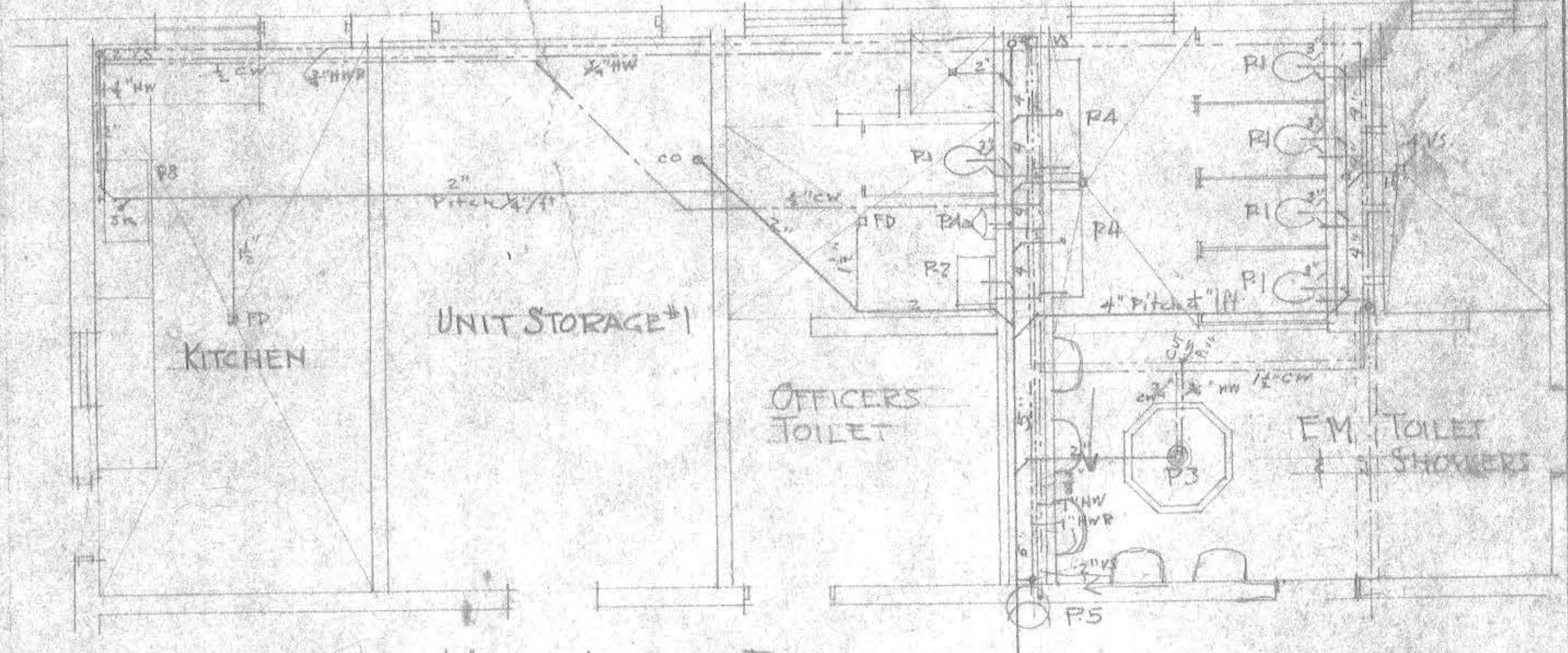




DOMESTIC HOT WATER HOOKUP  
No. Scale

GENERAL NOTES:

1. WATER METER AND BY-PASS TO BE INSTALLED IF REQUIRED BY WATER DISTRICT
2. SUMP PIT SHALL BE 4'-0" DEEP
3. VENT STACKS SHALL EXTEND 24" ABOVE ROOF
4. INSTALL A GAS COCK AT EACH GAS CONNECTION
5. PLUMBING CONTRACTOR SHALL TERMINATE WITHIN 3/8" OF BOILER WATER LEVEL CONTROLLER BUT SHALL MAKE ALL CORRECTIONS TO HOT WATER HEATER
6. ALL RELIEF VALVES SHALL BE FURNISHED WITH 1/2" DRAIN PIPED TO WITHIN 6" OF FLOOR DRAIN

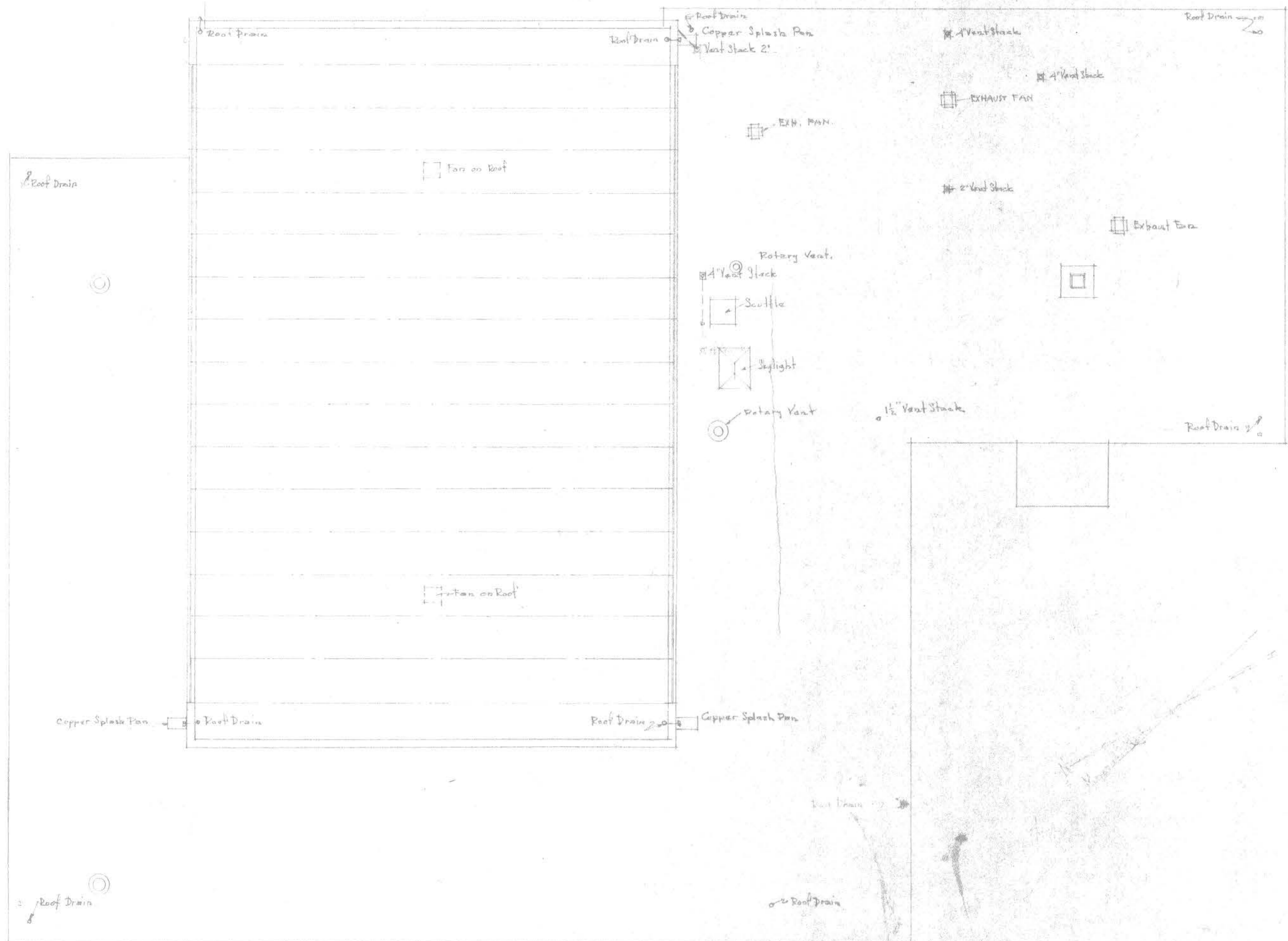


1/4" SCALE PLUMBING PLAN

PLUMBING AND DRAINAGE FLOOR PLAN  
Scale 1/8" = 1'-0"

MAINE NATIONAL GUARD ARMORY STANDARD ONE UNIT	
PLUMBING & DRAINAGE FLOOR PLAN	
FRED L. STROUT ARCHITECT	Scale 1/8" = 1'-0" - At Note Approved 12-10-52
Approved	SHEET 21 OF 23
Date	
Des. by StROUT	Approved 12-10-52

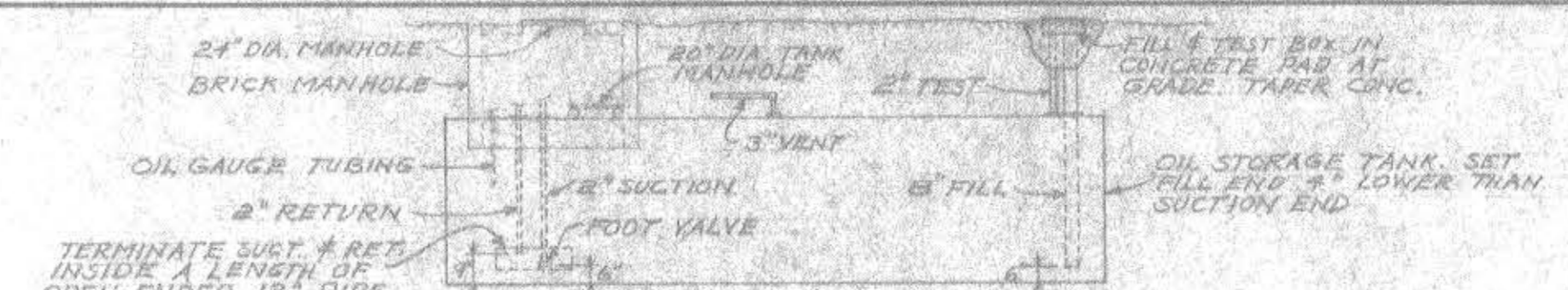




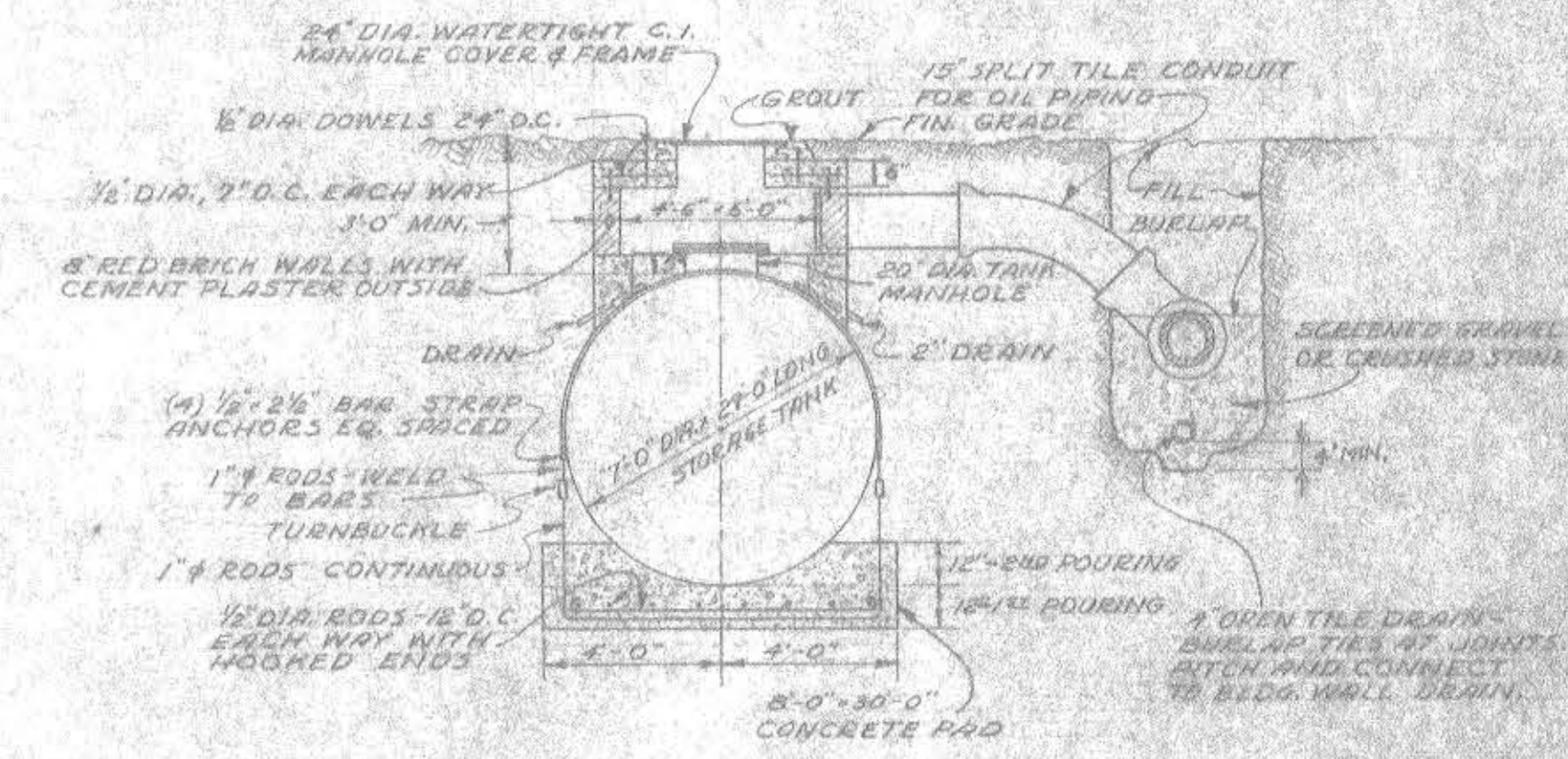
PLUMBING & DRAINAGE ROOF PLAN  
 Scale 1/8" = 1'-0"

MAINE NATIONAL GUARD ARMORY	
STANDARD ONE UNIT	
PLUMBING & DRAINAGE	
ROOF PLAN	
FRED L. STROUT ARCHITECT	Scale 1/8" = 1'-0" Noted Spec Section 17-01.0-56.2
APPROVED	SHEET 22 OF 28
Date	
Drn By Stroot	17-010-56.2





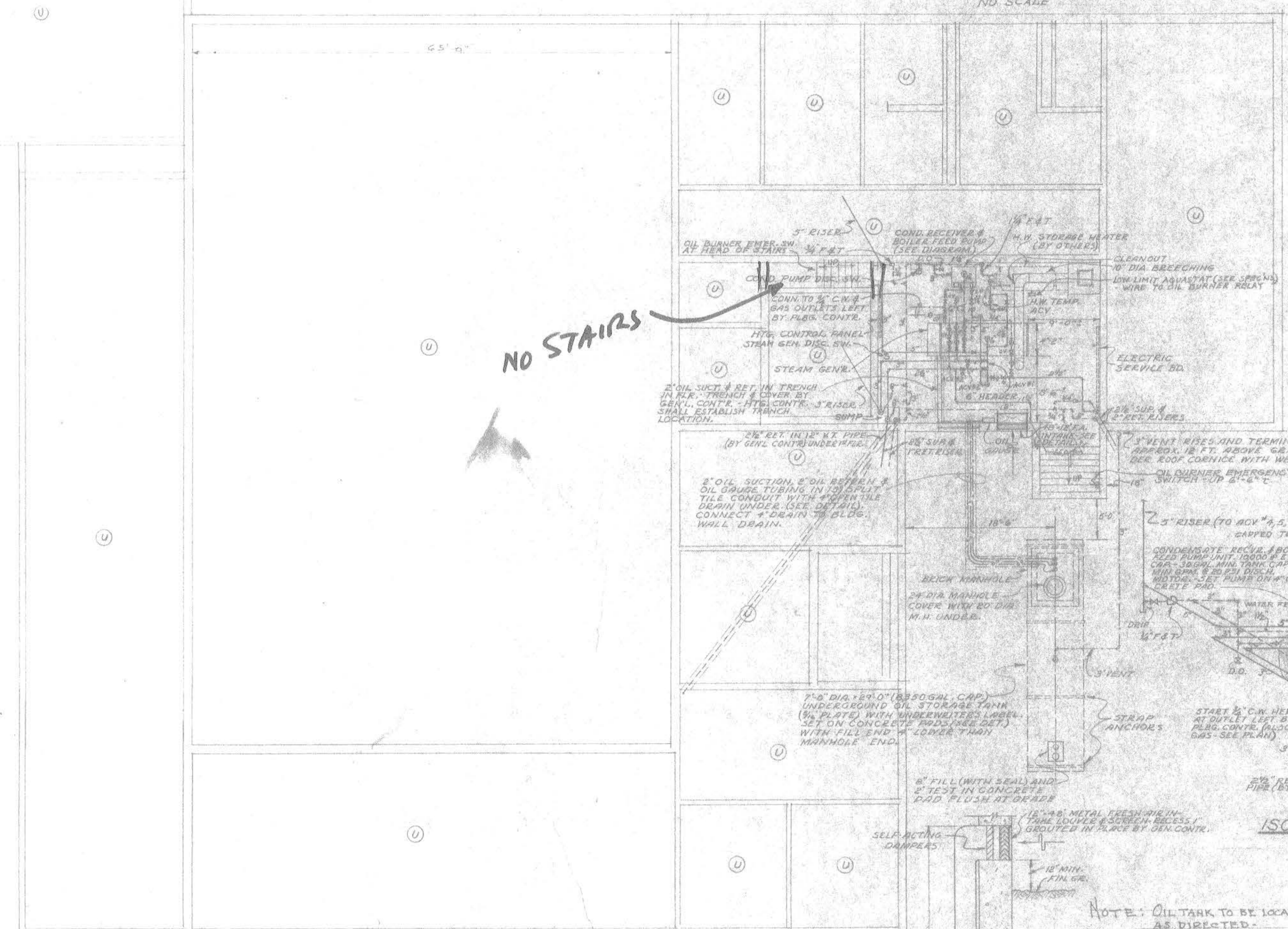
DETAIL OF PIPING AT OIL STORAGE TANK  
NO SCALE



SECTION THRU OIL STORAGE TANK AND MANHOLE  
SCALE 1/4" = 1'-0"

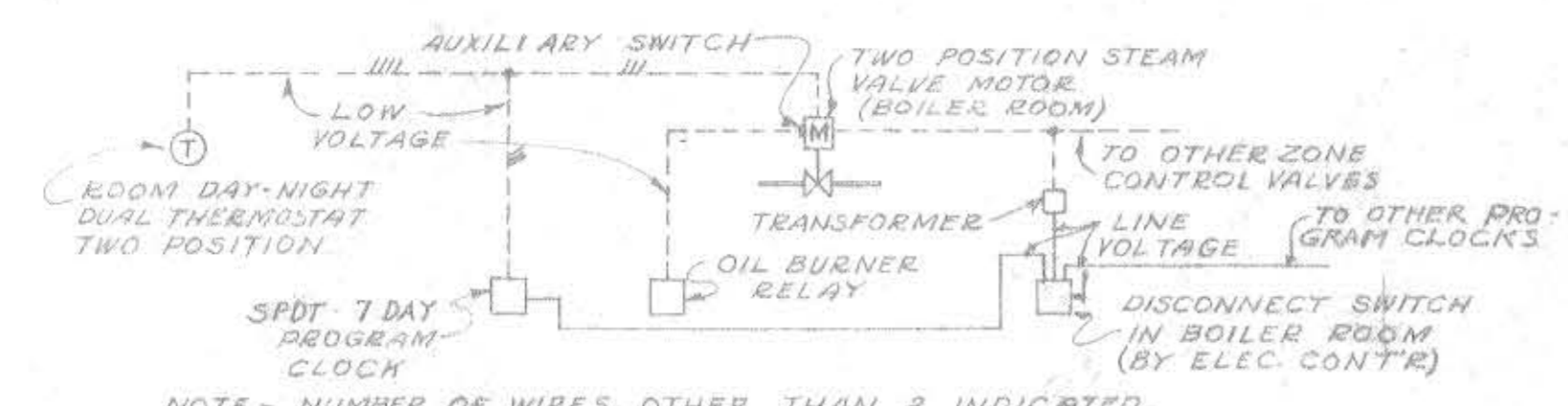
NOTES

1. SEE FIRST FLOOR HEATING PLAN FOR GENERAL NOTES, LEGEND, STORY HEIGHTS, ETC.
2. (U) INDICATES UNEXCAVATED AREA.

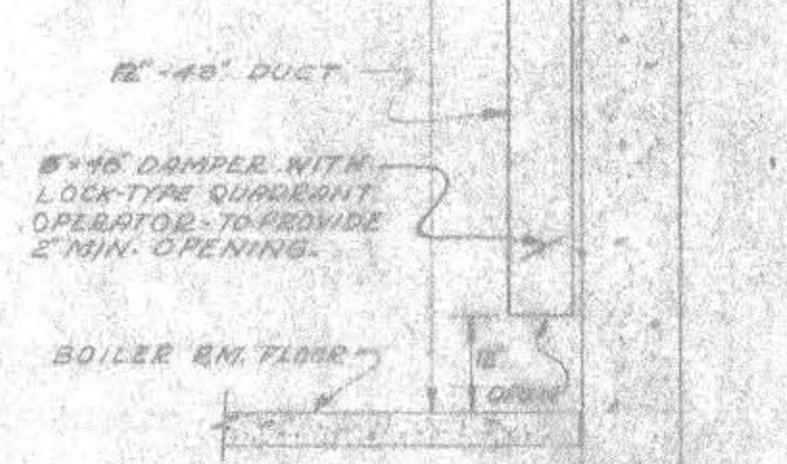


ISOMETRIC DIAGRAM SHOWING BOILER ROOM PIPING DETAILS  
NO SCALE

NOTE: OIL TANK TO BE LOCATED AS DIRECTED.  
SEE PLOT PLAN  
If draft inducer is not furnished as part of package Boiler Equipment, inducer shall be furnished and installed.



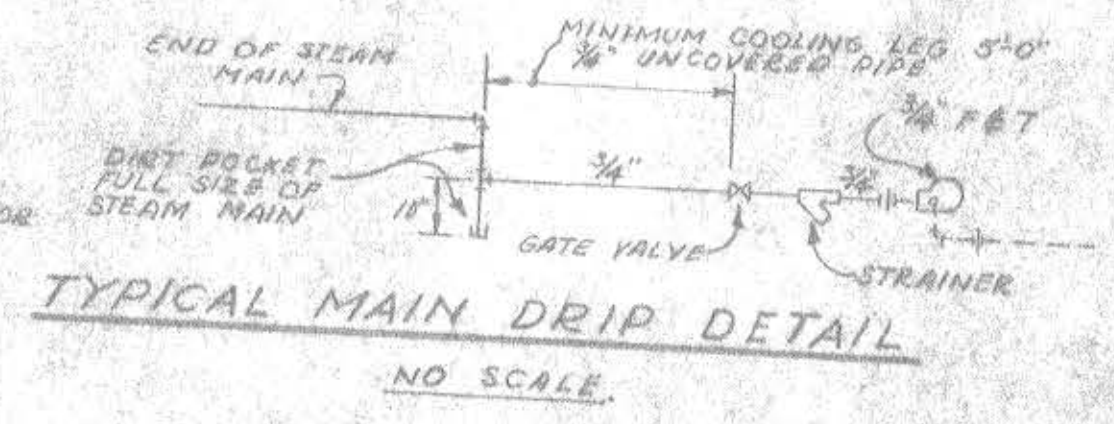
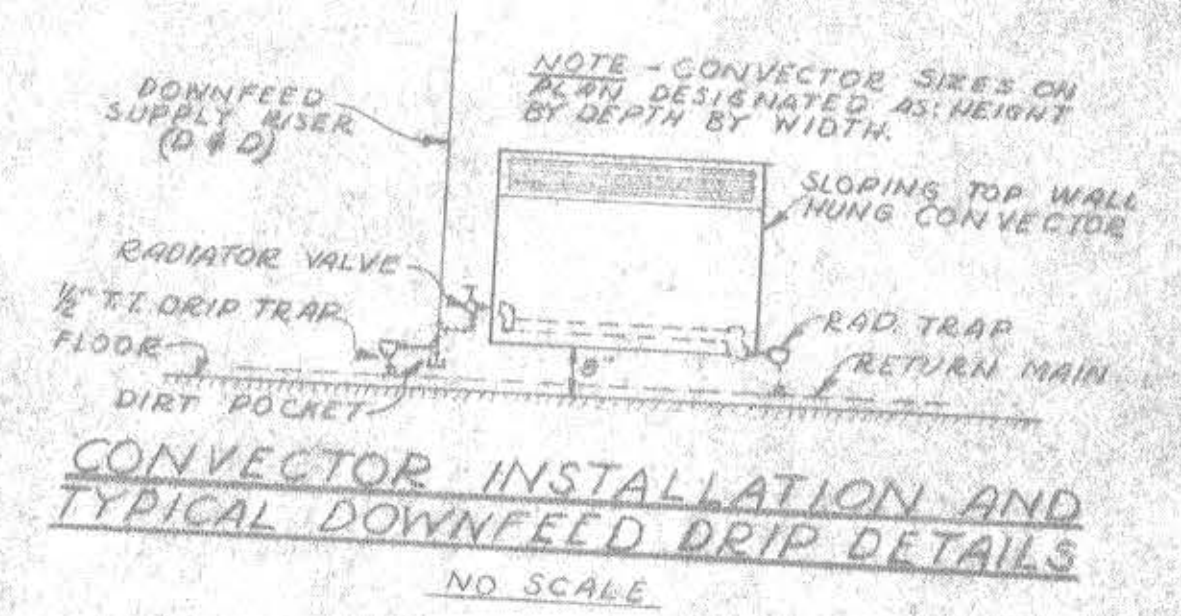
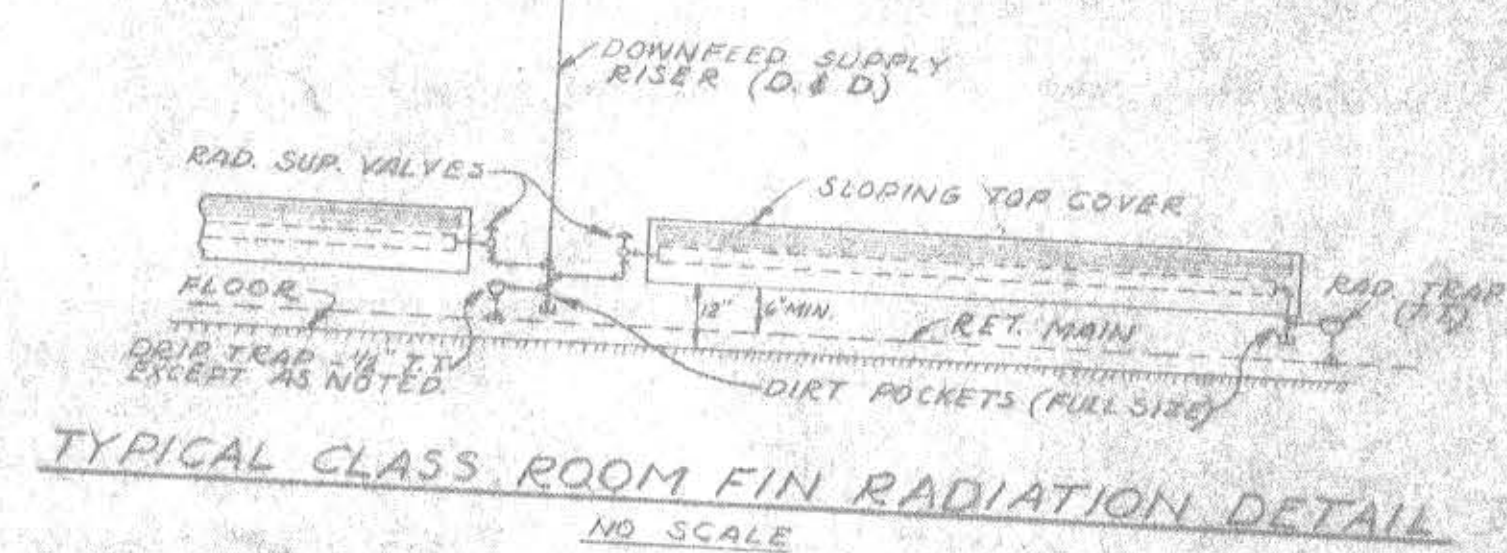
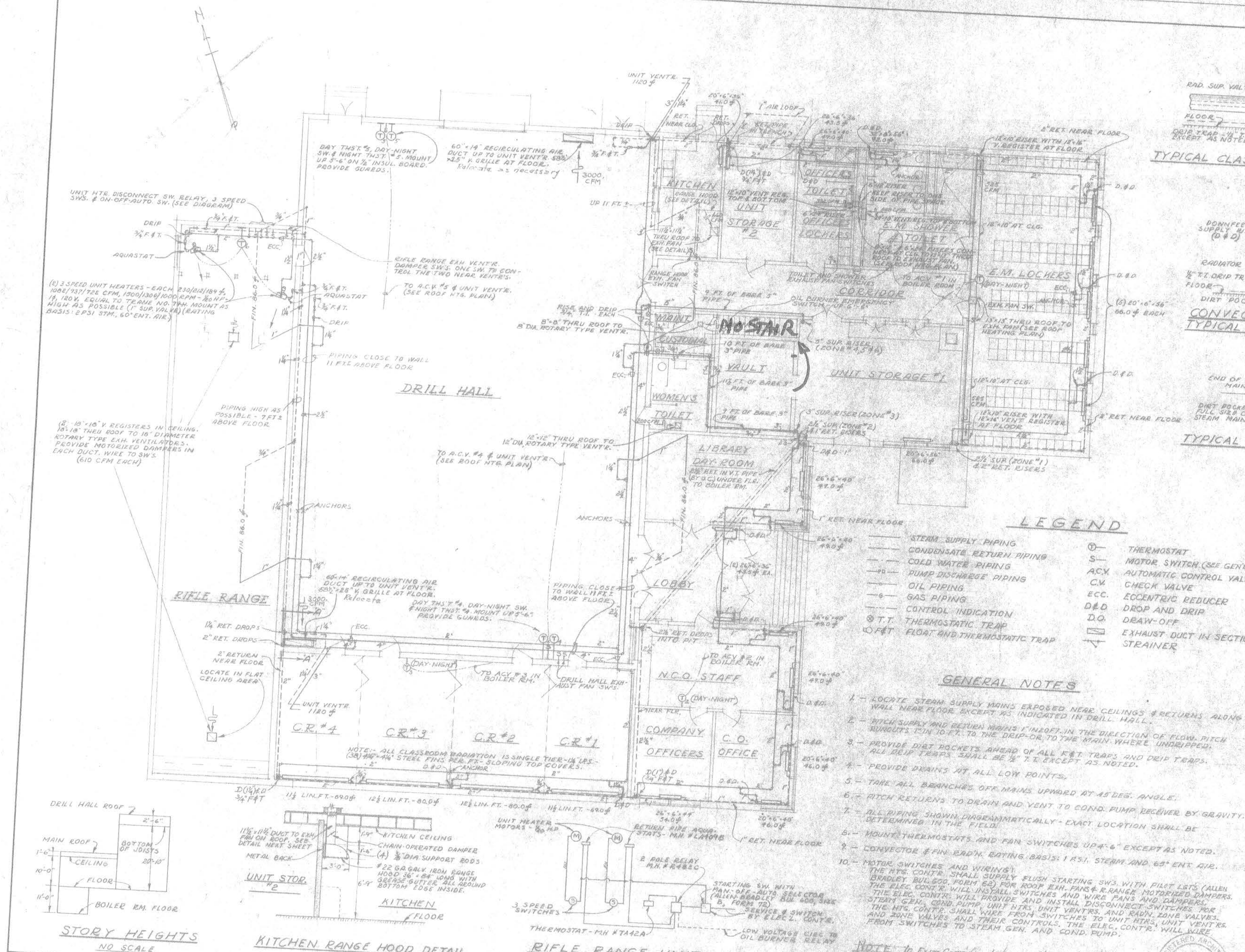
DIRECT RADIATION CONTROL DIAGRAM  
(A.C.V. & THSTS. NOS. 1, 2, & 3)  
NO SCALE



BOILER RM. FRESH AIR INTAKE DETAIL  
NO SCALE



MAINE NATIONAL GUARD ARMORY STANDARD ONE UNIT BASEMENT HEATING PLAN	
APPROVED:	SCALE 1/4" = 1'-0" AS NOTED
DATE:	DEVELOPMENT DRAWING 56-7
	SHEET 23 OF 26
FRED L. STROUT ARCHITECT	MAINE ENGINEERING SEARCHED INDEXED
20 MAPLE STREET, HALLOWELL, MAINE	LEWISTON, MAINE
DESIGN BY JJK & PNE, INC.	11-2-56-7



**RADIATOR CONNECTION SCHEDULE**

RADIATION SIZE	RUNOUTS		SUP. VALVE		T.T.
	SUP.	RET.	STD. DRIP	TRAP TYPE	
0-30 #	3/4"	3/4"	1/2"	1/2"	1/2"
31-60 #	1"	3/4"	3/4"	3/4"	3/4"
61-80 #	1 1/4"	3/4"	1"	3/4"	3/4"
81-100 #	1 1/2"	3/4"	1"	3/4"	3/4"
101-150 #	1 1/2"	3/4"	1 1/4"	1"	3/4"
OVER 150 #	2"	1"	1 1/2"	1"	1"

\* - INCREASE SUP. RUNOUTS OVER 8' LONG ONE PIPE SIZE.  
\*\* - SEE SPECIFICATIONS.

**LEGEND**

- STEAM SUPPLY PIPING
- CONDENSATE RETURN PIPING
- COLD WATER PIPING
- PUMP DISCHARGE PIPING
- OIL PIPING
- GAS PIPING
- CONTROL INDICATION
- ⊗ T.T. THERMOSTATIC TRAP
- ⊙ F.T. FLOAT AND THERMOSTATIC TRAP
- ⊖ THERMOSTAT
- ⊖ MOTOR SWITCH (SEE GEN'L. NOTES)
- ACV. AUTOMATIC CONTROL VALVE
- CV. CHECK VALVE
- ECC. ECCENTRIC REDUCER
- D&D. DROP AND DRIP
- D.O. DRAW-OFF
- EXHAUST DUCT IN SECTION
- STRAINER

**GENERAL NOTES**

- 1 - LOCATE STEAM SUPPLY MAINS EXPOSED NEAR CEILINGS & RETURNS ALONG WALL NEAR FLOOR EXCEPT AS INDICATED IN DRILL HALL.
- 2 - FITCH SUPPLY AND RETURN MAINS 1" INDEPT. IN THE DIRECTION OF FLOW. PITCH RUNOUTS 1/8" IN 10 FT. TO THE DRIP OR TO THE MAIN WHERE UNDRIPPED.
- 3 - PROVIDE DIRT POCKETS AHEAD OF ALL FET TRAPS AND DRIP TRAPS. ALL DRIP TRAPS SHALL BE 1/2" T.T. EXCEPT AS NOTED.
- 4 - PROVIDE DRAINS AT ALL LOW POINTS.
- 5 - TAKE ALL BRANCHES OFF MAINS UPWARD AT 45 DEG. ANGLE.
- 6 - FITCH RETURNS TO DRAIN AND VENT TO COND. PUMP RECEIVER BY GRAVITY.
- 7 - ALL PIPING SHOWN DIAGNOSTICALLY - EXACT LOCATION SHALL BE DETERMINED IN THE FIELD.
- 8 - MOUNT THERMOSTATS AND FAN SWITCHES UP 4'-6" EXCEPT AS NOTED.
- 9 - CONVECTOR & FIN RAD'G. BATING BASIS: 1 A.S.I. STEAM AND 65° ENT. AIR.
- 10 - MOTOR SWITCHES AND WIRING: THE HTS. CONTR. SHALL SUPPLY FLUSH STARTING SW'S. WITH PILOT L&T'S (ALLEN BRADLEY BUL. 600, FORM 62) FOR ROOF EXH. FAN & RANGE MOTORIZED DAMPERS. THE ELEC. CONTR. WILL INSTALL SWITCHES AND WIRE FANS AND DAMPERS. STEAM GEN. COND. PUMP UNIT HTS. UNIT VENTRS. AND RAD'G. ZONE VALVES. AND ZONE VALVES AND THEIR CONTROLS. THE ELEC. CONTR. UNIT VENTRS. FROM SWITCHES TO STEAM GEN. AND COND. PUMP.

**NOTE** - In ENT. Corridor between Class Rm 4 & Rifle Range and area 20'-6" x 40' - ALR with D&D #1 supply of return. All heating in Rifle Range to be located opposite and from that shown.



**MAINE NATIONAL GUARD ARMORY  
STANDARD ONE UNIT  
FIRST FLOOR HEATING PLAN**

APPROVED: \_\_\_\_\_  
DATE: \_\_\_\_\_

SCALE: 1/8" = 1'-0" & AS NOTED  
SPECIFICATION: 17-04A-56-7  
SHEET 24 OF 28

**FRED L. STROUT**  
ARCHITECT  
MAINE ENGINEERING SERVICE CO.  
ENGINEERS

UNIT HTS. DISCONNECT SW. RELAY, 3 SPEED SW'S. & ON-OFF-AUTO SW. (SEE DIAGRAM)

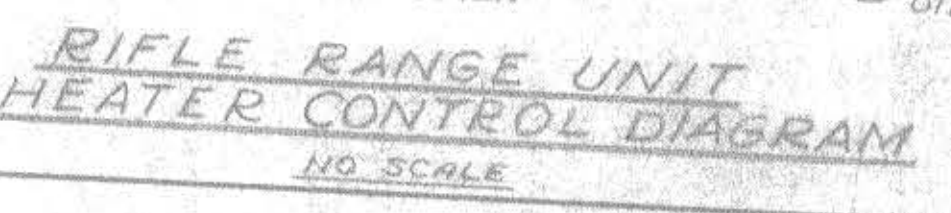
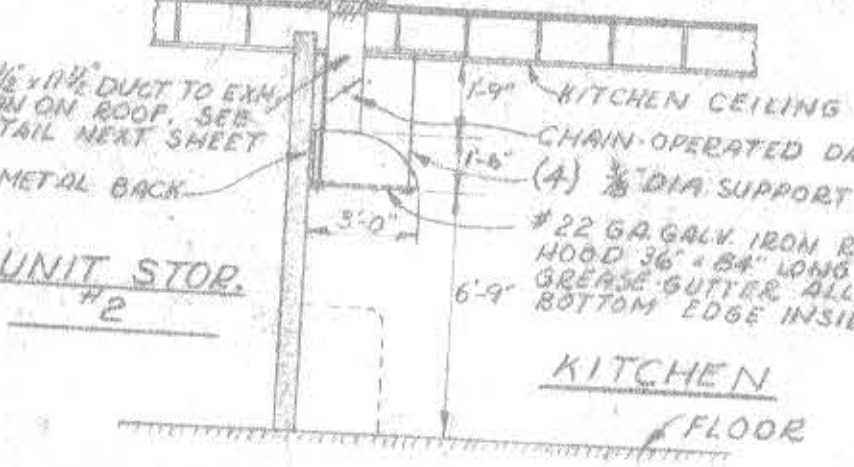
DRIP 3/4" F.T.

AQUASTAT

(3) 3 SPEED UNIT HEATERS - EACH 230/212/184 #, 1082/937/722 CFM, 1500/1306/1000 RPM - 40 HP - 1/4" 120V. EQUAL TO TRANE NO. 74M. MOUNT AS HIGH AS POSSIBLE (1" SUP. VALVE) (BATING BASIS: 2 PSI. STM., 60° ENT. AIR)

**DRILL HALL**

**RIFLE RANGE**



**STORY HEIGHTS**  
NO SCALE

DRILL HALL ROOF 7'-0"

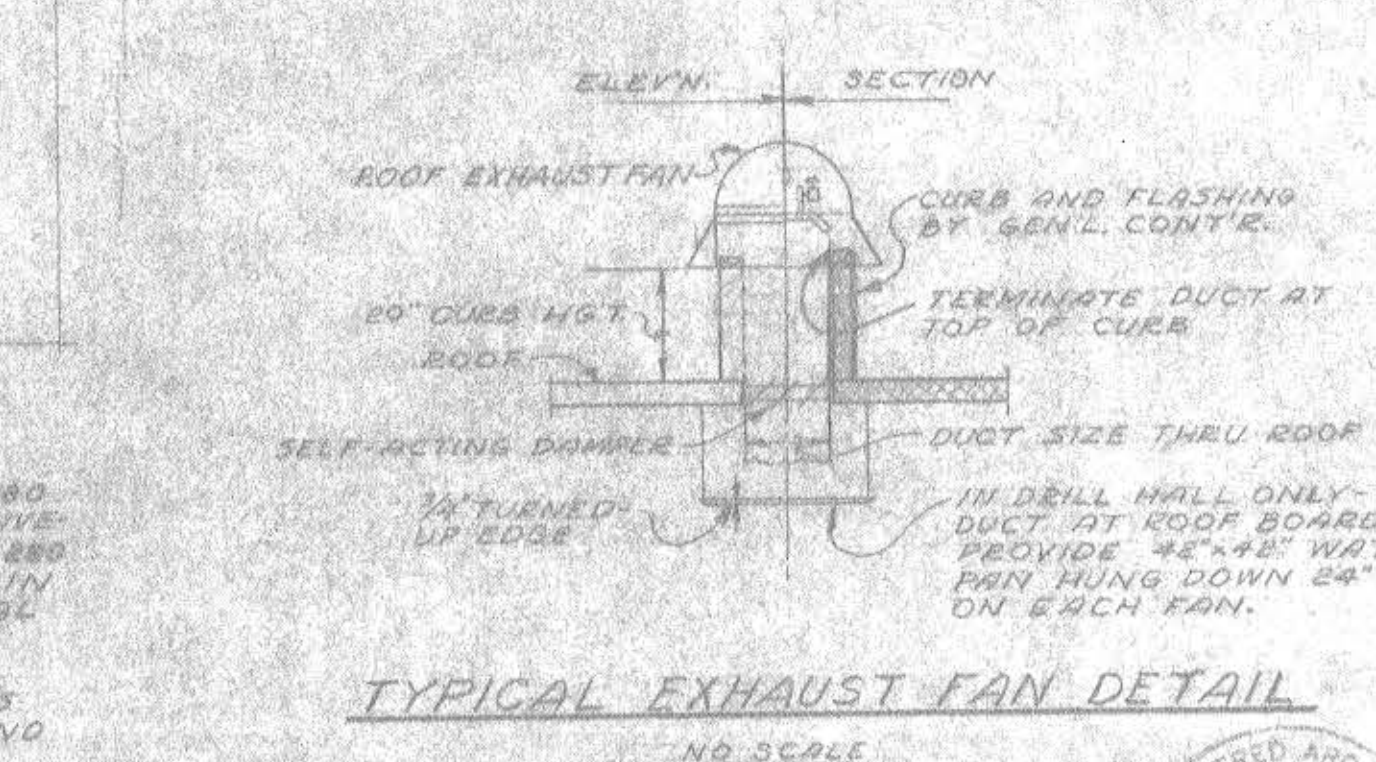
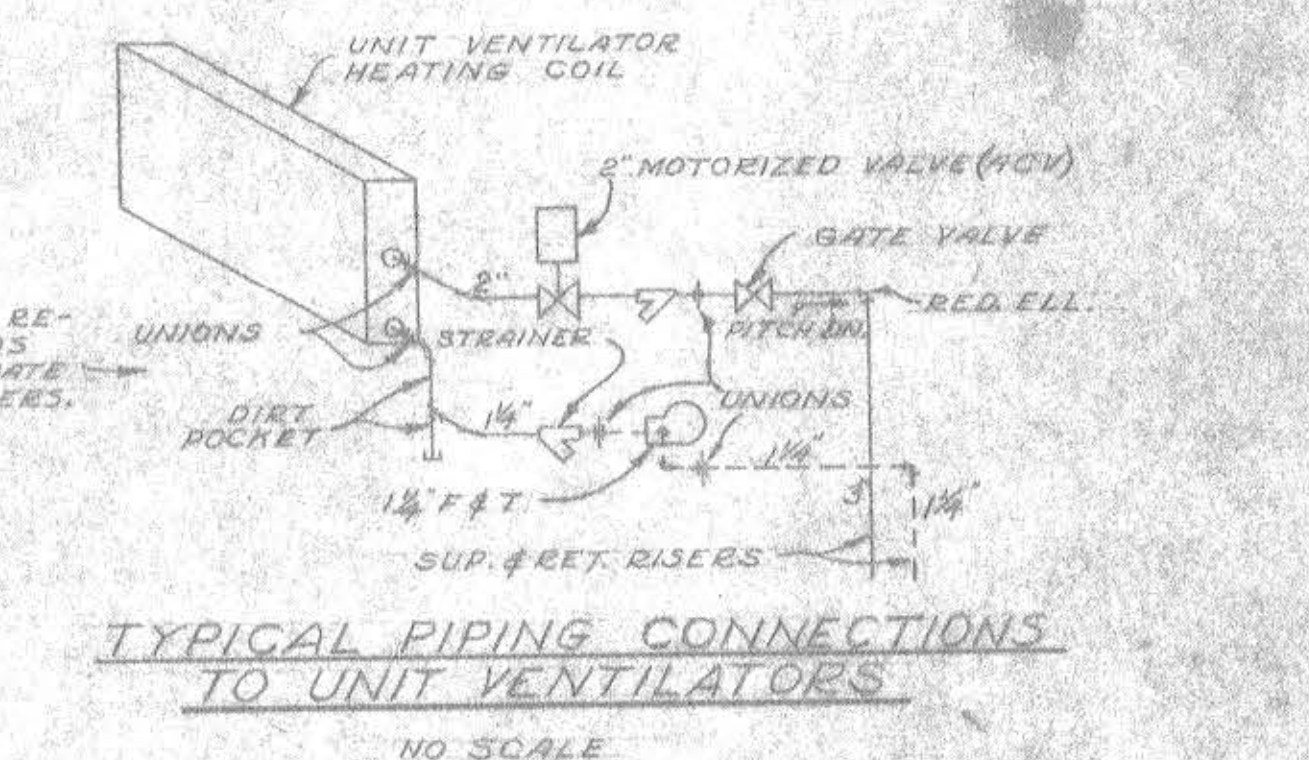
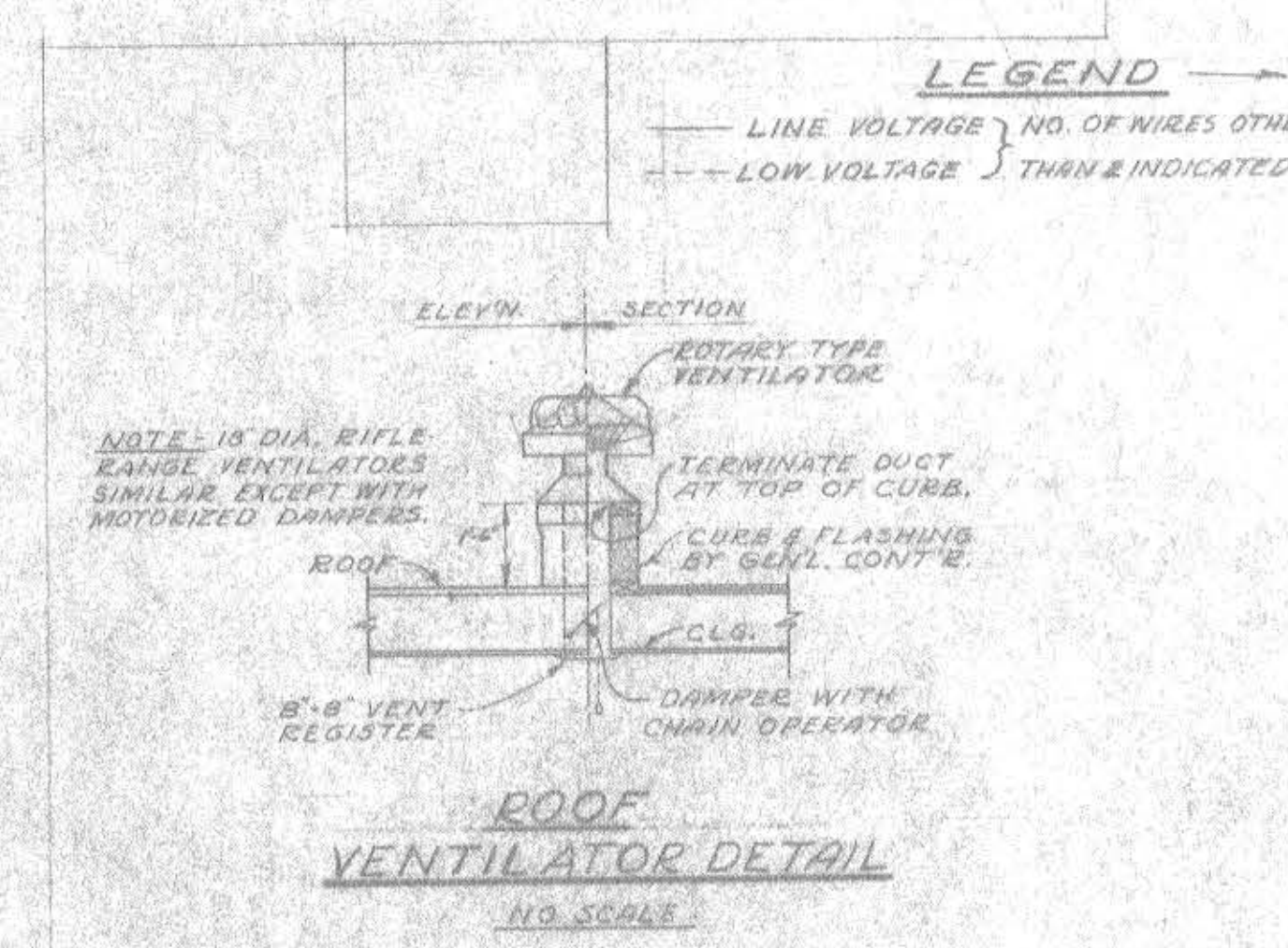
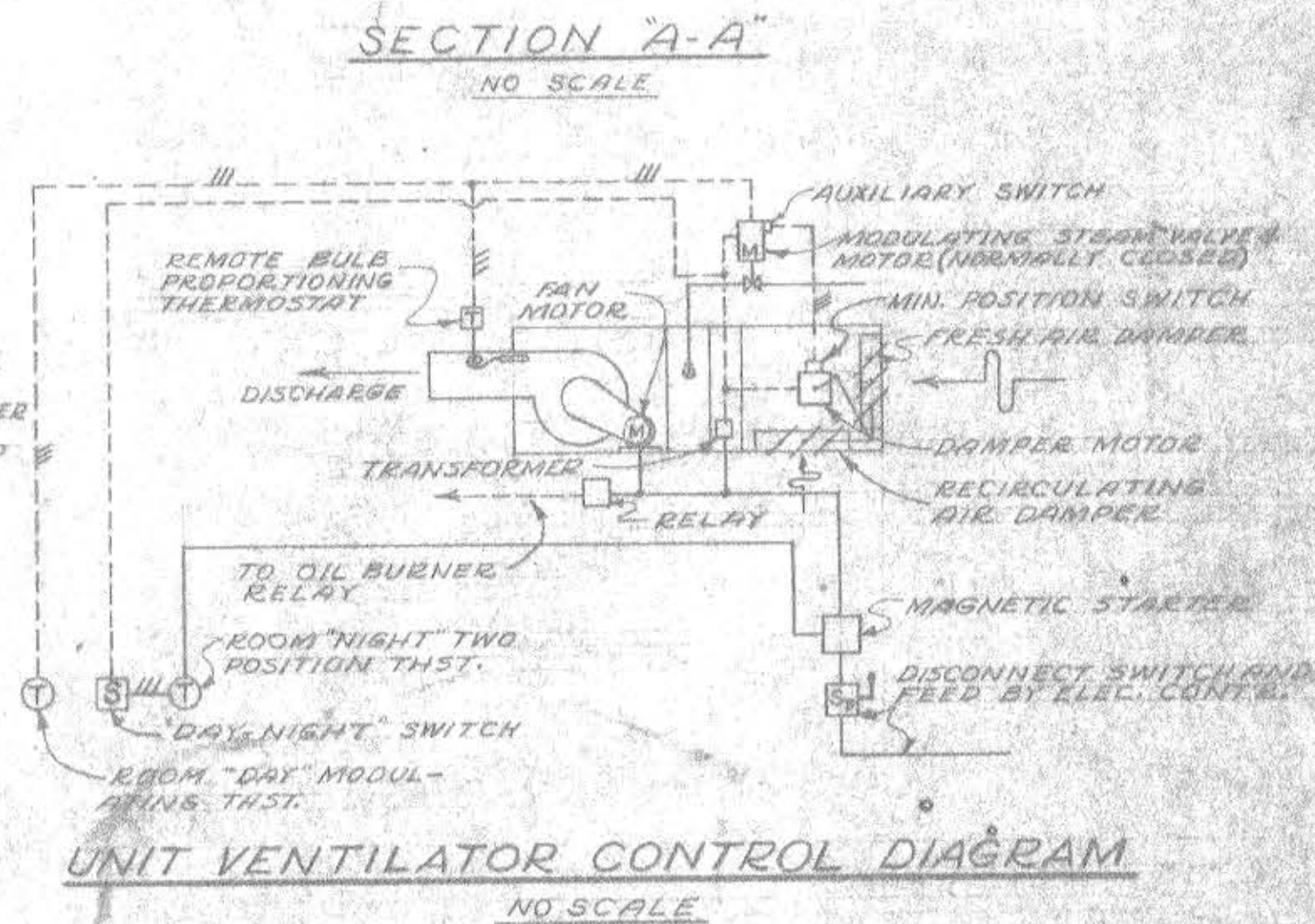
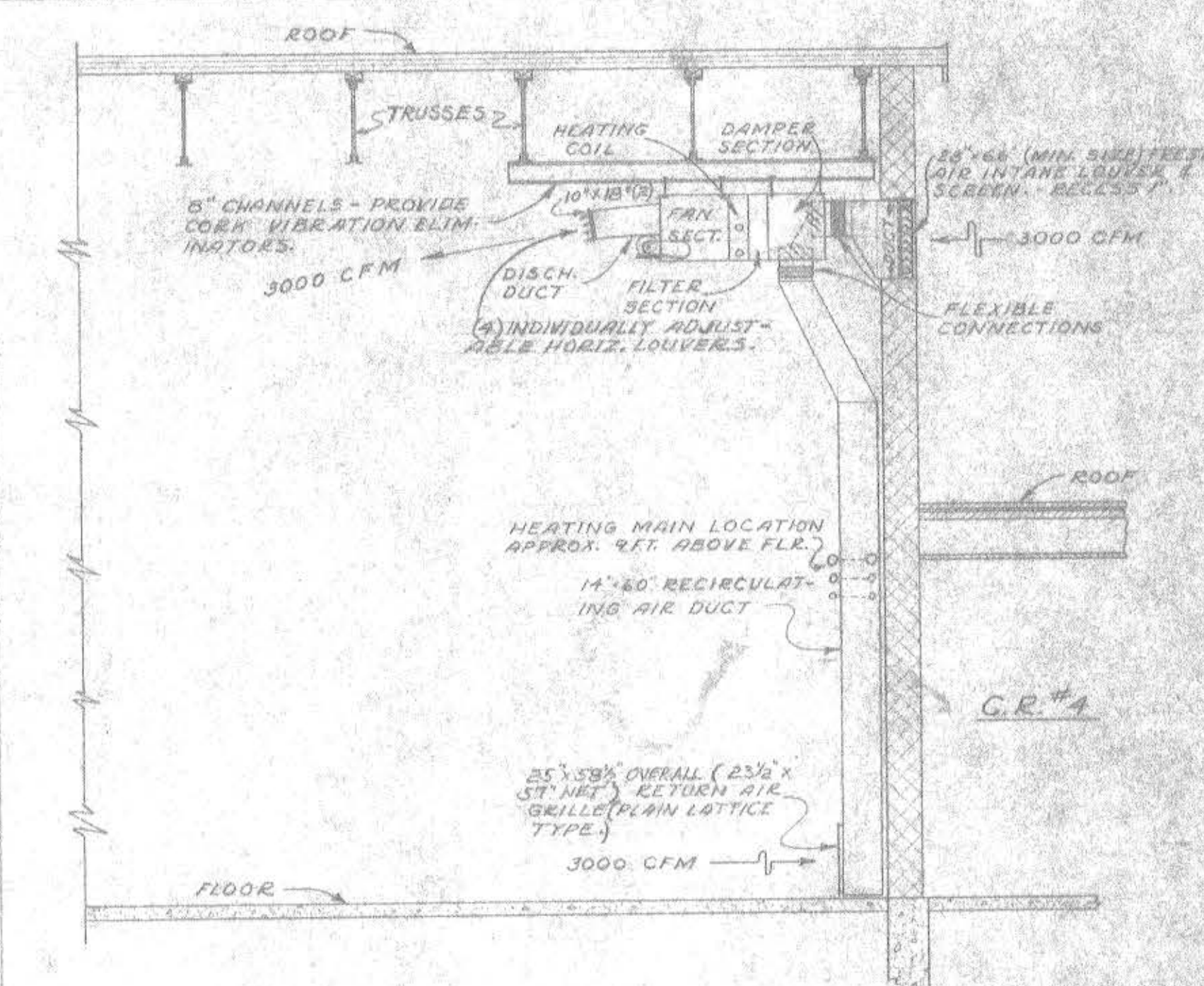
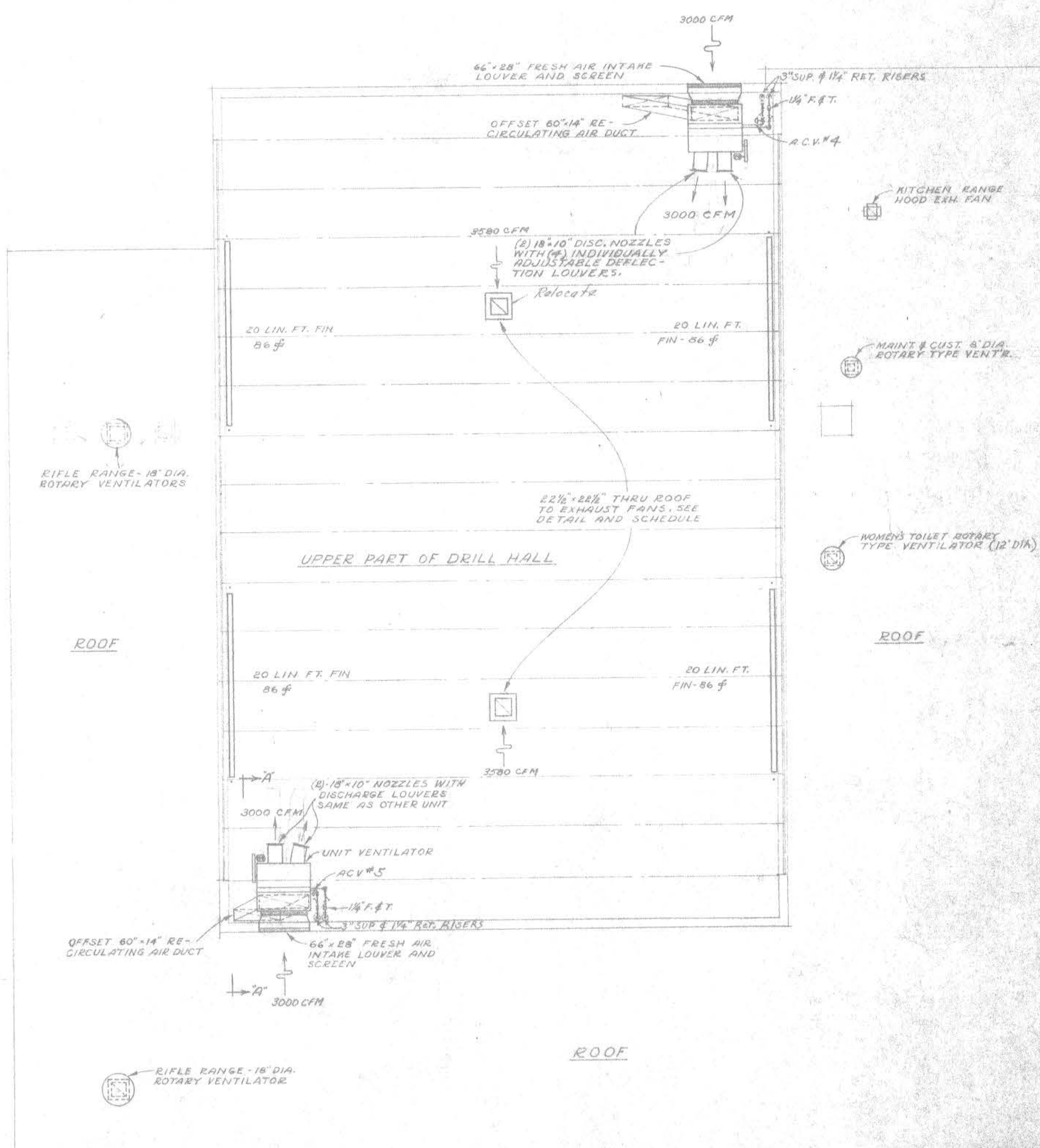
MAIN ROOF 1'-0"

CEILING 10'-0"

FLOOR 11'-0"

BOILER RM. FLOOR





- NOTES**
- UNIT VENTILATOR DATA:  
3000 CFM (70° AIR BASIS), 3/4" S.P., 630 RPM FAN MAX. 1780 RPM TIP SPEED MAX. 1/2" H.P., 208 V. MOTOR - BELT DRIVE NON-FREEZE TYPE COIL - 400 FPM MAX COIL FACE VEL. 880 LBS/HR. MAX. COND. CAP. AT 2 R.S.I. STEAM AND 257° MIN. OUTDOOR AIR (AT -10°) WITH 115° MIN. FINAL TEMP. - EQUAL TO TRANE VOLUME VENTILATOR NO. V-218.
  - FIN RADIATION IN UPPER PART OF DRILL HALL IS 1/4" IPS WITH (32) 3/4" x 3/4" STEEL FINS PER FT. SINGLE TIER, NO COVERS. MOUNT UNDER WINDOWS.
  - SEE FIRST FLOOR HTG. PLAN FOR GENERAL NOTES, LEGEND, CONN. SIZES, STORY HEIGHTS, ETC.

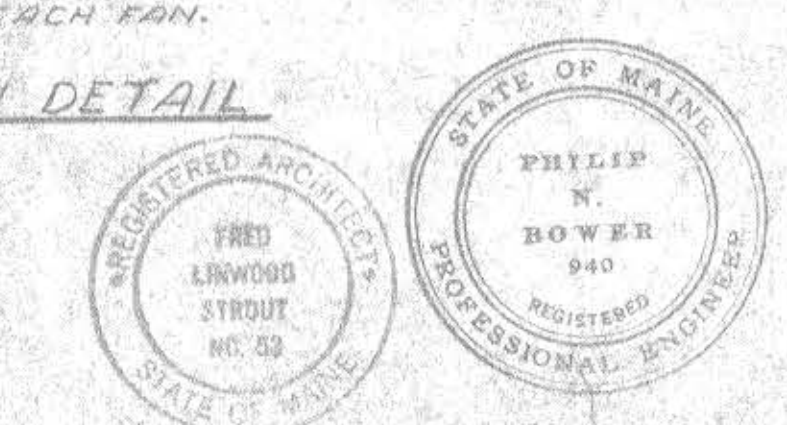
LOCATION	NO. FANS REQ'D.	DUCT SIZE	TYPE DRIVE	G.F.M.	S.P.	MAX. FAN R.P.M.	MAX. FAN TIP SPEED	MOTOR H.P.	MOTOR R.P.M.
E.M. LOCKER ROOM	1	13" x 13"	BELT	1050	3/8"	1138	5950	1/4	1750
E.M. & OFF. TOILET & SHWR.	1	13" x 13"	BELT	900	3/8"	1065	3690	1/4	1750
KITCHEN RANGE HOOD	1	11 1/2" x 11 1/2"	DIRECT	660	1/4"	1140	3580	1/20	1140
DRILL HALL	2	22 1/2" x 22 1/2"	BELT	3580	1/4"	685	3960	1/2	1750

\* 208 V.

**MAINE NATIONAL GUARD ARMORY  
STANDARD ONE UNIT**

**ROOF & UPPER DRILL HALL HEATING PLAN**

APPROVED	SCALE 1/8" = 1'-0" UNLESS NOTED
DATE: 5/18/55	SPECIFICATIONS 17-01-55-7
SHEET 25 OF 26	
<b>FRED L. STROUT ARCHITECT</b>	<b>MAINE ENGINEERING SERVICE CO. ENGINEERS</b>
30 BUCK STREET, BANGOR, MAINE	100 WASHINGTON ST., PORTLAND, MAINE
DESIGN BY J.L.N. 5/18/55	PROJECT NO. 17-01-55-7



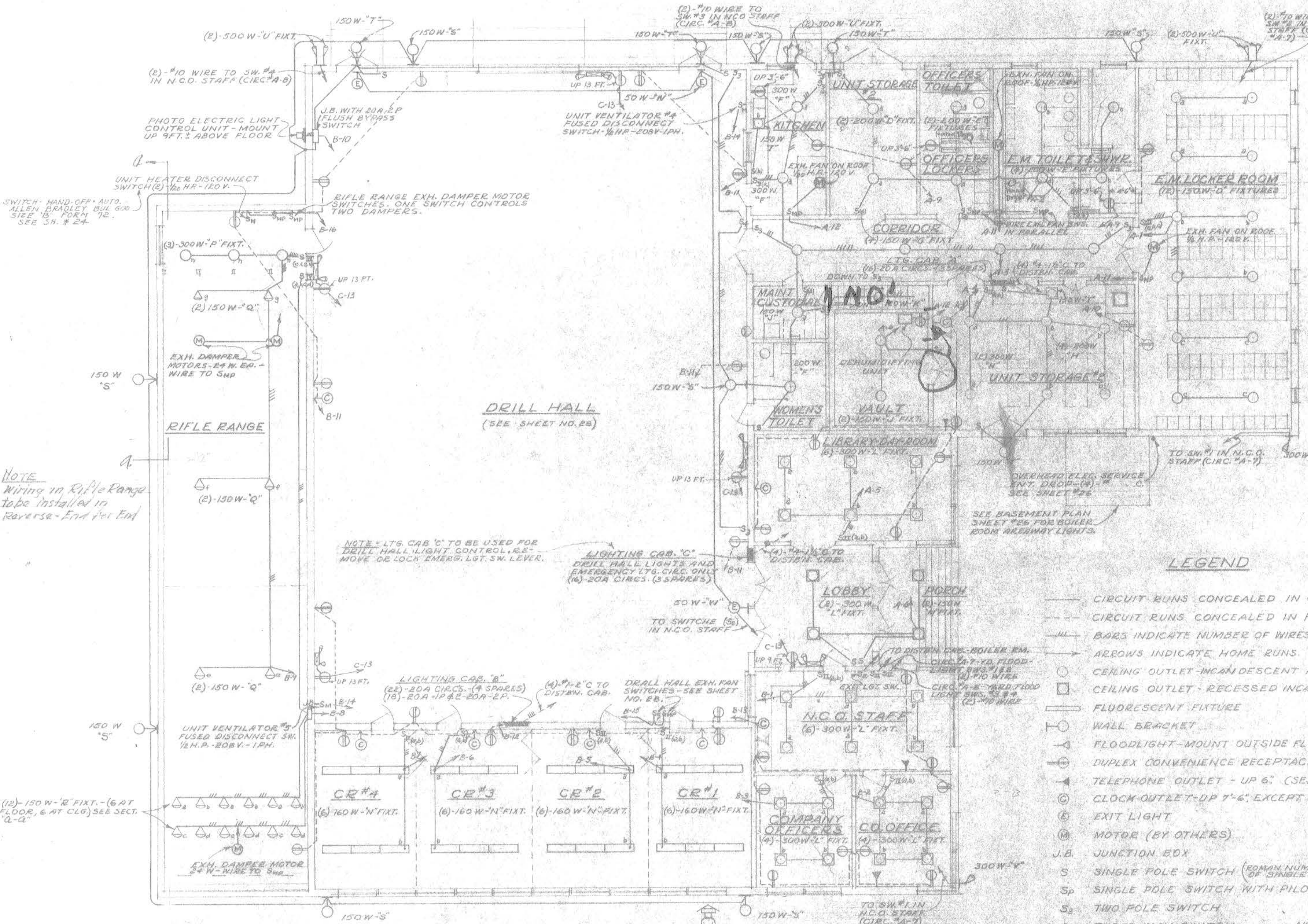


Provide and install  
12- 500w Low Bay ELM Fixtures  
with 3 Single Pole & 2-Way Switches  
3 Heavy Duty Receptacles  
10 Gt-ops

**FIXTURE SCHEDULE**

IDENT	LOCATION	TYPE	MTG. NO.	HTG.	REQD.	WATTS	FIXTURE
D	LOCKER RM & UNIT STORAGE	C	—	12	150	GILL NO. 7030-C	
E	TOILETS & SHOWERS	C	—	6	200	HILLARK NO. YUASD-1-200	
F	KITCHEN & WOMEN'S TOI.	P	8 FT.	1	200	GILL NO. 7060-P	
G	CORRIDOR	C	—	4	150	HOLOPHANE NO. C-888	
H	UNIT STORAGE #1	C	—	4	200	GILL NO. 7060-C	
I	KIT. & UNIT STORAGE #1	R	—	2	150	KIRLIN NO. 618	
J	VAULT	C	—	2	150	GILL NO. 6512 1/2 (2-15W)	
K	STAIRWAY	C	—	1	120	GILL NO. 6510 1/2 (2-60W)	
L	LIBRARY, LOBBY & OFFICES	R	—	28	300	KIRLIN NO. 1218	
M	PORCH	R	—	2	150	KIRLIN NO. 1228	
N	CLASSROOMS	P	8 FT	24	160	SYLVANIA NO. CL-442-45 ES (4-40W) RAPID START-12" STEMS	
O	DRILL HALL	P	20 FT	24	750	GUTH #1731, 60 DEG. BEAM OF HOLOPHANE #885-B-AL WITH SWIVEL CANOPIES	
P	RIFLE RANGE	C	—	3	500	GUTH NO. A1702-60 DEG. BEAM WITH GUARDED LOUVERS & SWIVEL CANOPIES	
Q	RIFLE RANGE	C	—	6	150	WESTINGHOUSE 100W-118888	
R	RIFLE RANGE	SEE SCHEDULE	—	12	150	G.E. NO. 150 PAR/EL LAMP IN KILLARK NO. 5LM LAMP HOLDERS	
S	OUTSIDE WALLS AND DRILL HALL NIGHT LGT.	W	10 FT	8	150	HOLOPHANE NO. 45	
T	ENTRANCES-OUTSIDE	W	8 FT	4	150	ART METAL NO. 3325	
U	PARKING AREA FLOODS	W	10 FT	6	500	G.E. NO. 500 C/S FL OUTDOOR LAMP IN KILLARK NO. 5MP-150 LAMP HOLDER	
V	ENT. DRIVEWAY FLOODS	W	10 FT	2	300	G.E. NO. 300 C/S FL OUTDOOR LAMP IN KILLARK NO. 5MP-150 LAMP HOLDER	
W	DRILL HALL EXIT LIGHTS	W	8 FT	3	50	GUTH NO. A1702-60 DEG. BEAM WITH GUARDED LOUVERS & SWIVEL CANOPIES	
X	BOILER ROOM	C	—	4	200	QUAD NO. 116 (ELEM. STD. DOME)	
Y	BOILER RM. AREAWAY	W	14 FT	1	100	HILLARK NO. W255-10	
Z	BOILER RM. AREAWAY OUTSIDE	W	8 FT	1	150	QUAD NO. 814 E YD.	

**SCHEDULE NOTES**  
 MTG. TYPE: C-CEILING SURFACE  
 P- PENDANT  
 R- RECESSED  
 W- WALL BRACKET  
 MTG. HTGS: FROM BLDG. FLOOR LEVEL TO BOTTOM OF FIXTURE



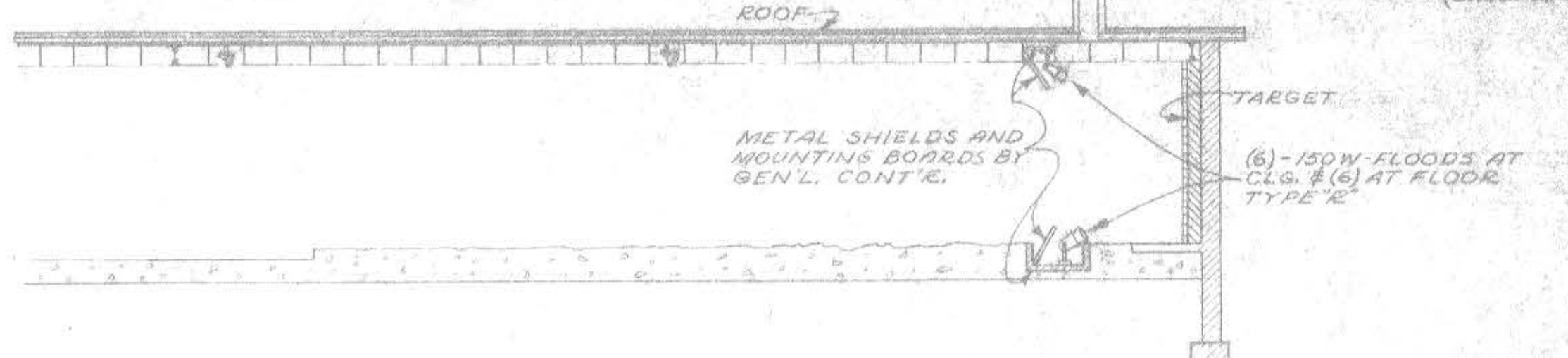
**NOTE**  
Wiring in Rifle Range to be installed in Reverse-End for End

**NOTE** - LTG. CAB. 'C' TO BE USED FOR DRILL HALL LIGHT CONTROL & EMERGENCY LGT. SW. LEVER.  
 LIGHTING CAB. 'C' DRILL HALL LIGHTS AND EMERGENCY LGT. CAB. ONLY (6) 20A CIRCS. (3 SPARES)

**NOTE** - LTG. CAB. 'B' TO BE USED FOR DRILL HALL LIGHT CONTROL & EMERGENCY LGT. SW. LEVER.  
 LIGHTING CAB. 'B' DRILL HALL LIGHTS AND EMERGENCY LGT. CAB. ONLY (6) 20A CIRCS. (3 SPARES)

**NOTE** - LTG. CAB. 'A' TO BE USED FOR DRILL HALL LIGHT CONTROL & EMERGENCY LGT. SW. LEVER.  
 LIGHTING CAB. 'A' DRILL HALL LIGHTS AND EMERGENCY LGT. CAB. ONLY (6) 20A CIRCS. (3 SPARES)

- LEGEND**
- CIRCUIT RUNS CONCEALED IN CEILING OR WALLS. \*1/2 SIZE WIRE EXCEPT AS NOTED
  - CIRCUIT RUNS CONCEALED IN FLOOR.
  - ||| BARS INDICATE NUMBER OF WIRES OTHER THAN 2.
  - ARROWS INDICATE HOME RUNS.
  - CEILING OUTLET-INCANDESCENT FIXTURE
  - CEILING OUTLET-RECESSED INCAND. FIXTURE
  - FLUORESCENT FIXTURE
  - ⊖ WALL BRACKET
  - ⊖ FLOODLIGHT-MOUNT OUTSIDE FLOODS 10 FT. ABOVE FLR. LEVEL.
  - ⊖ DUPLEX CONVENIENCE RECEPTACLE-UP 18" EXCEPT AS NOTED.
  - ⊖ TELEPHONE OUTLET - UP 6" (SEE SPEC'NS)
  - ⊖ CLOCK OUTLET-UP 7'-6", EXCEPT UP 10 FT IN DRILL HALL.
  - ⊖ EXIT LIGHT
  - ⊖ MOTOR (BY OTHERS)
  - J.B. JUNCTION BOX
  - S SINGLE POLE SWITCH (ROMAN NUMERALS INDICATE NUMBER OF SINGLE POLE SWITCHES)
  - S<sub>P</sub> SINGLE POLE SWITCH WITH PILOT LIGHT
  - S<sub>2</sub> TWO POLE SWITCH
  - S<sub>3</sub> THREE WAY SWITCH
  - S<sub>4</sub> FOUR WAY SWITCH
  - S<sub>E</sub> EXIT LIGHT SWITCH (S.P.)
  - S<sub>M</sub> MOTOR OVERLOAD AND STARTING SWITCH (UNIT VENTILATORS & UNIT HEATERS)
  - S<sub>MP</sub> MOTOR OVERLOAD AND STARTING SWITCH WITH PILOT LGT.\*
  - ⊖ EMERGENCY LIGHTS AND BATTERY SET. - MOUNT (UP 13 FT. IN DRILL HALL) ON WALL BRACKET.
- NOTE** - ALL SWITCHES UP 3'-6"
- \* - S<sub>MP</sub> MOTOR SWITCHES SUPPLIED BY MTG. CONTR. AND INSTALLED AND WIRED BY ELEC'L. CONTR.



**SECTION A-A - DETAIL OF RIFLE RANGE FLOODLIGHTS**  
SCALE 1/8" = 1'-0"



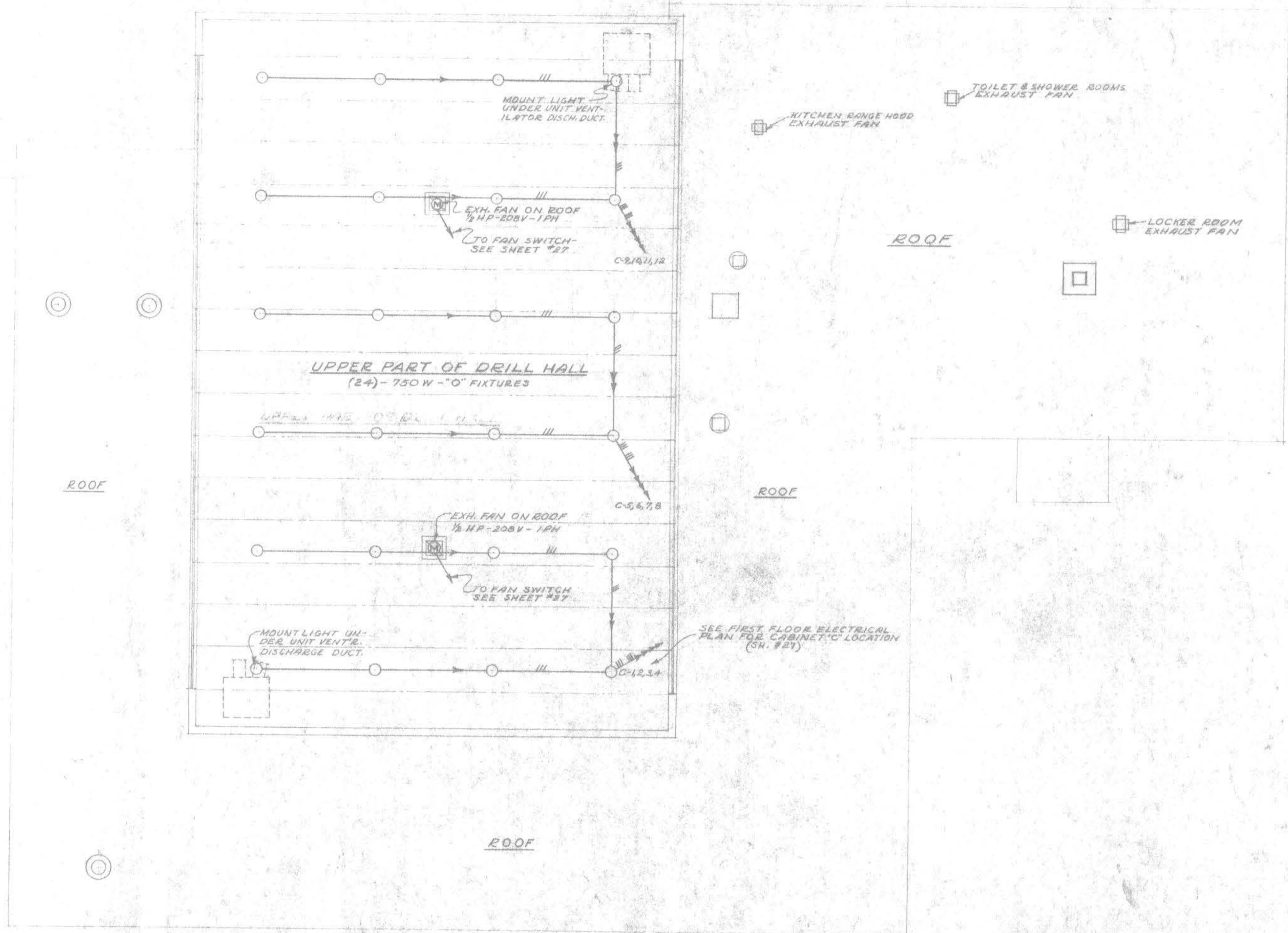
**MAINE NATIONAL GUARD ARMORY**  
 W. STANDARD ONE UNIT

**FIRST FLOOR ELECTRICAL PLAN**

APPROVED: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 SCALE: 1/8" = 1'-0"  
 SPECIFICATION: 17-018-50-7  
 SHEET 27 OF 28

**FRED L. STROUT** ARCHITECT  
 28 MAINE STREET, HALLOWELL, MAINE  
 DRAWN BY: J.J.K. 3/17/65

**PHILLIP N. STROUT** PROFESSIONAL ENGINEER  
 100 W. 9th ST., HALLOWELL, MAINE  
 DRAWN BY: J.J.K. 3/17/65



**NOTE**  
SEE FIRST FLOOR ELECTRICAL PLAN FOR  
LEGEND AND FIXTURE SCHEDULE.



MAINE NATIONAL GUARD ARMORY STANDARD ONE UNIT ROOF & UPPER DRILL HALL ELECTRICAL PLAN	
APPROVED	SCALE 1/8" = 1'-0" HAS NOTED SPECIFICATIONS 17-018-53-2
DATE	SHEET 28 OF 28
FRED L. STROUT ARCHITECT	MAINE ENGINEERING SERVICE CO.
19 MAINE STREET, HALLSBURY, MAINE	240 BROAD STREET PORTLAND, MAINE
DRAWN BY J.J.H. 3/19/55	17-018-53-2