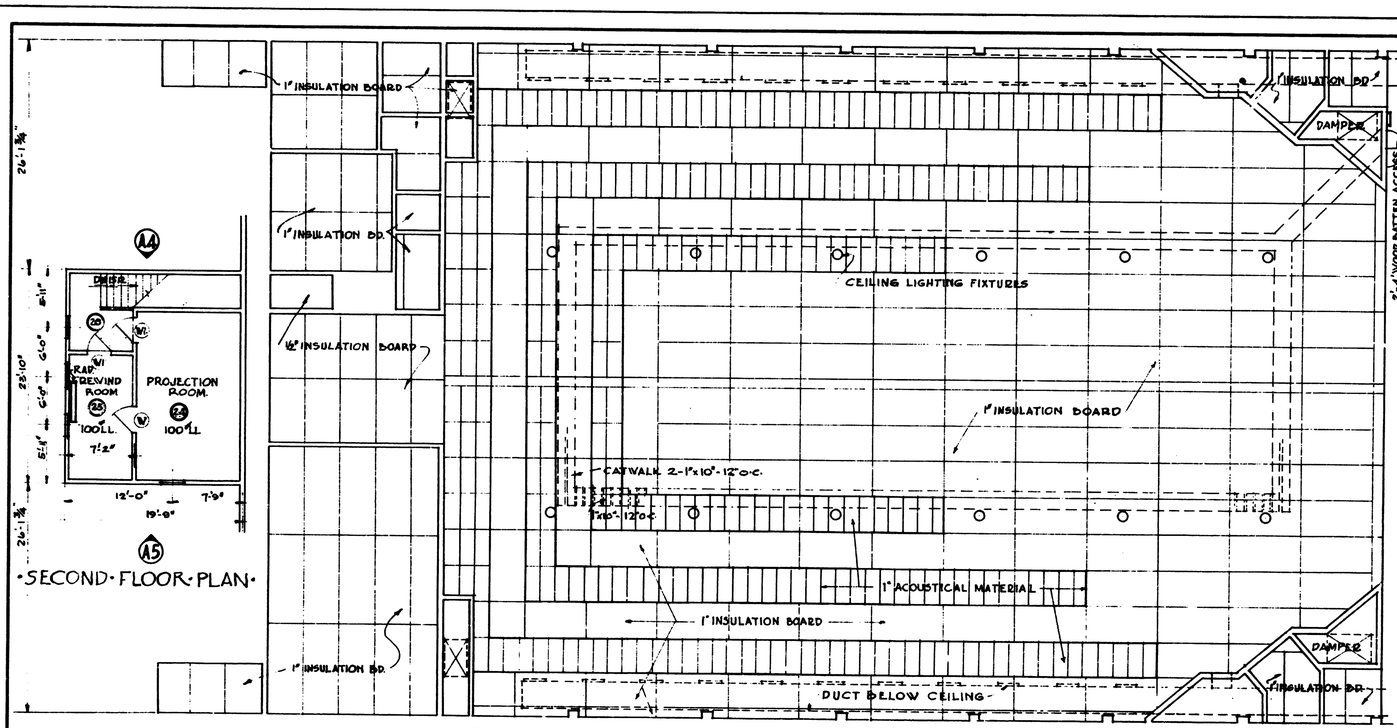
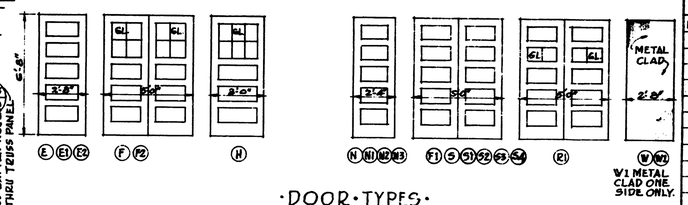
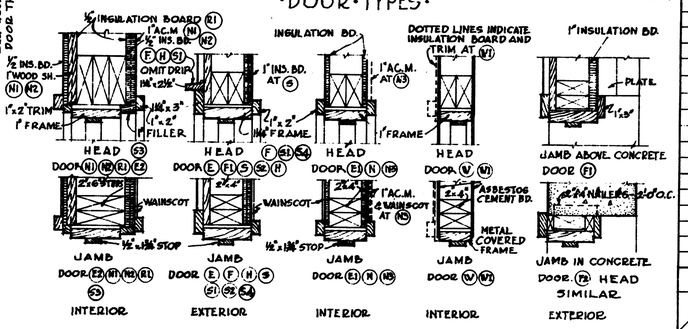


·SECOND·FLOOR·PLAN·



·DOOR·TYPES·



·DOOR·DETAILS·
SCALE: 1½"=1'-0"

·GENERAL·NOTES·

1. DIMENSIONS ARE TO OUTSIDE FACE OF STUDS AND CENTER LINE OF PARTITIONS
2. UNLESS OTHERWISE NOTED ALL INTERIOR PARTITIONS ARE 2"x4" STUDS.
3. PROVIDE FULL LENGTH WINDOW SCREENS FOR ALL WINDOWS EXCEPT WINDOW IN BOILER ROOM.
4. PROVIDE 29' LADDER AND BRACKETS TO HOLD SAME TO SIDE OF BUILDING, HORIZONTALLY.
5. WHERE GAS FIRED BOILER IS USED OMIT FUEL ROOM & WOOD SLIDES.
6. WHERE GAS FIRED BOILER IS USED ASBESTOS CEMENT STACK SHALL BE USED.
7. ALL SHEATHING SHALL BE 1" WOOD APPLIED DIAGONALLY UNLESS OTHERWISE NOTED.

·FINISH-SCHEDULE·

RM. NO.	ROOM TITLE	FLOOR	BASE	WAINSCOT	WALLS	CEILING
1	AUDITM.	CONC.	WOOD	CONC. & HARD BOARD	INSULATION BD. & A.C.M.	INSULATION BD. & A.C.M.
2	LOBBY	"	"	HARDBOARD	INSULATION BD.	INSULATION BD.
3	TICKETS	WOOD	"	"	"	"
3A	TICKETS	"	"	"	"	"
4	FOYER	CONC.	"	"	"	"
5	COUPONS	"	"	"	"	"
6	OFFICE	"	"	"	"	"
7	MENS TOILET	"	CONC.	"	"	"
8	WOMENS "	"	"	"	"	"
9	ENTRY	"	WOOD	"	"	"
10	ENTRY	"	"	"	"	"
11	UTILITY RM.	"	"	"	"	"
12	HALL	"	"	"	"	"
13	EXIT	WOOD	"	"	"	"
14	EXIT	"	"	"	"	"
15	STAGE	"	"	NONE		NONE
16	DRESS. RM.	"	"	CONC. & HARD BOARD	"	"
17	DRESS. RM.	"	"	"	"	"
18	TOILET	"	"	"	"	"
19	TOILET	"	"	"	"	"
20	FAN RM.	CONC.	NONE	NONE	GYPSUM SHEATHING	GYPSUM SHEATHING
21	BOILER RM.	"	"	"	"	"
22	PROP RM.	"	WOOD	CONC. & HARD BOARD	INSULATION BOARD	INSULAT. BOARD
23	FUEL RM.	"	NONE	CONC.	CONC.	CONC.
24	PROJ. RM.	"	ASB. CEM. BOARD	NONE	ASB. CEM. BOARD	ASB. CEM. BOARD
25	REWIND RM.	"	"	"	INSULATION BOARD	INSULATION BOARD
26	STAGE HALL	WOOD	WOOD	HARDBOARD	"	"

·DOOR·HARDWARE·SCHEDULE·

DOOR TYPE	DOOR CLOSERS	TOP BOLT	BOTTOM BOLT	DOOR PULLS	PUSH PLATES	KICK PLATES	EXIT BOLTS	CYLINDER LOCKS
E							✓	
E1								
E2								
F	✓	✓	✓	✓	✓	✓		
F1	✓					✓	✓	
F2		✓	✓					✓
H								✓
N								
N1	✓							
N2								
N3	✓							
S.S4	✓					✓	✓	
S1	✓					✓	✓	
S2							✓	
S3								
R1	✓			✓	✓	✓		
W	✓			✓				
W1	✓							✓

DOOR CLOSER TO HAVE "HOLD OPEN" FEATURE.

·LEGEND·

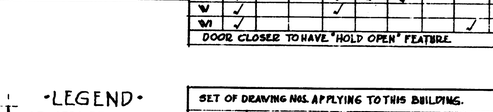
A.D.-AREA DRAIN
CONC-CONCRETE.
D.C.-DOOR CLOSER.
F.H.R.-FIRE HOSE RACK.
G.L.-GAGE LINE.
RAD-RADIATOR.
M.T.-METAL THRESHOLD
W.T.-WOOD "
M.J.-MASTIC JOINT
S.S.-SERVICE SINK.
SH.-SHEATHING.
W.S.-WOOD SILL.
L.L. LIVE LOAD
A.C.M. ACOUSTICAL MATERIAL

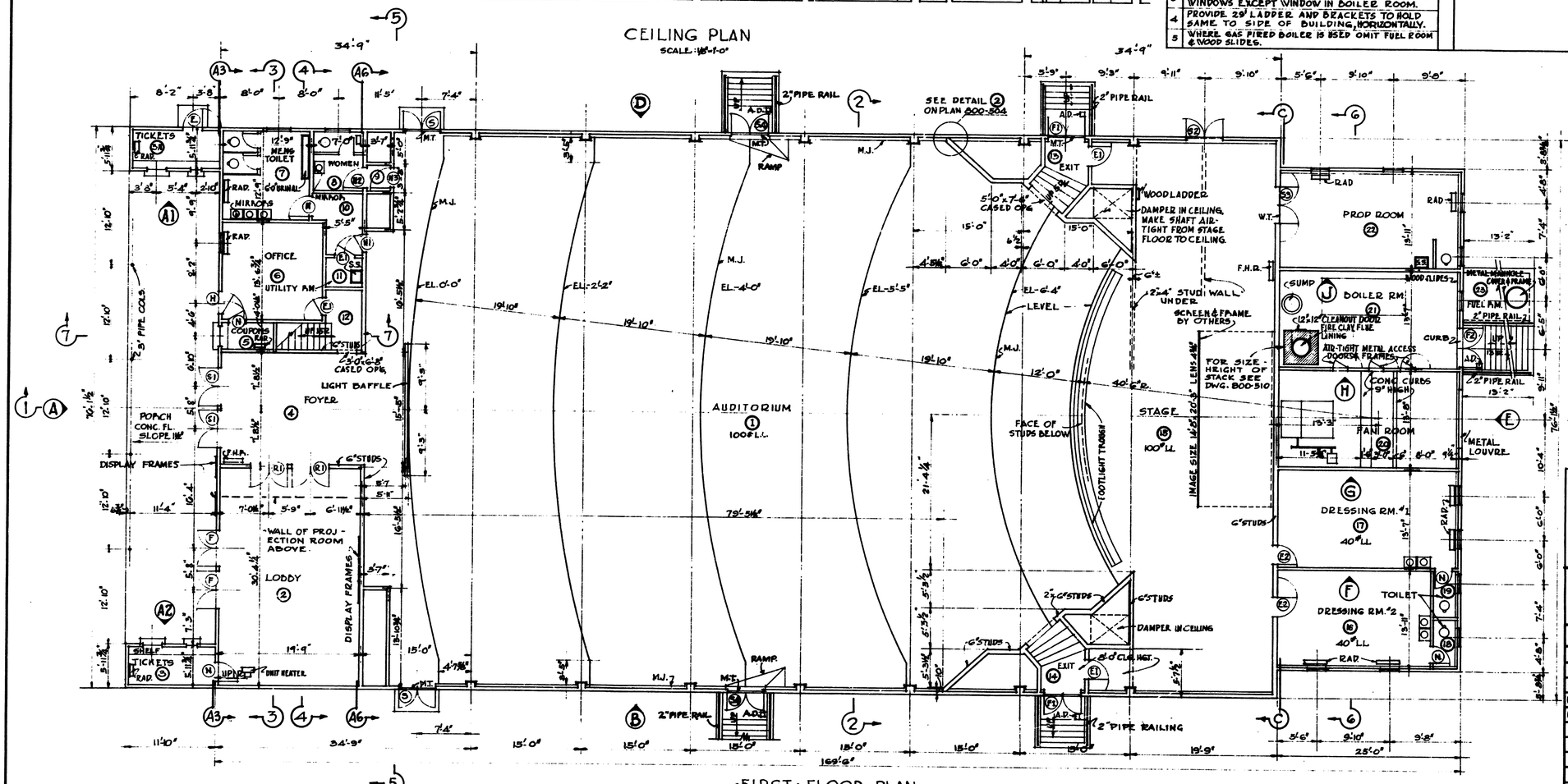
SET OF DRAWING NOS. APPLYING TO THIS BUILDING.	
800-500	FLOOR & CEILING PLANS.
" -501	SEATING PLANS & DETAILS
" -502	ELEVATIONS
" -503	SECTIONS
" -504	DETAILS
" -505	FOOTING PLAN & DETAILS
" -506	FRAMING PLANS & DETAILS
" -507	FRAMING SECTIONS & DETAILS
" -508	STACK FOOTING & FRAMING SECTIONS.
" 509	TRUSS DETAILS
" -510	HEATING & SCHEDULES
" 511	VENTILATING.
" -512	VENTILATING.
" -513	PLUMBING.
" -514	ELECTRICAL
" -145	COMBINATION BRICK & METAL CHIMNEY.
" -181	STANDARD WINDOW DETAILS WHICH APPLY
" -187	STANDARD TOILET " (5) (7)
" -185	MISC. DETAILS (7)
" -186	" " (7)
" -187	" " (9)
" -190	ASBESTOS CEMENT STACK.
" -199	STANDARD ELECTRICAL DETAILS.
" -515	ALTERNATE PLAN PROVIDING TOILET FACILITIES FOR COLORED AUDIENCE.

REVISION (A) = ADDED GENERAL NOTE NO. 7 ADDED DWG. 800-515 TO DWG. NUMBERS.
" (B) = GENERAL REVISIONS
" (C) = EXITS (S4) & AREAS ADDED.

APPROVED BY J. W. HILLS, LT. COL. A.G.D. FOR J. A. VLIO, BRIG. GEN. CHIEF MORALE BRANCH
FOR FLOOR PLAN ONLY

· GRAPHIC · SCALES ·





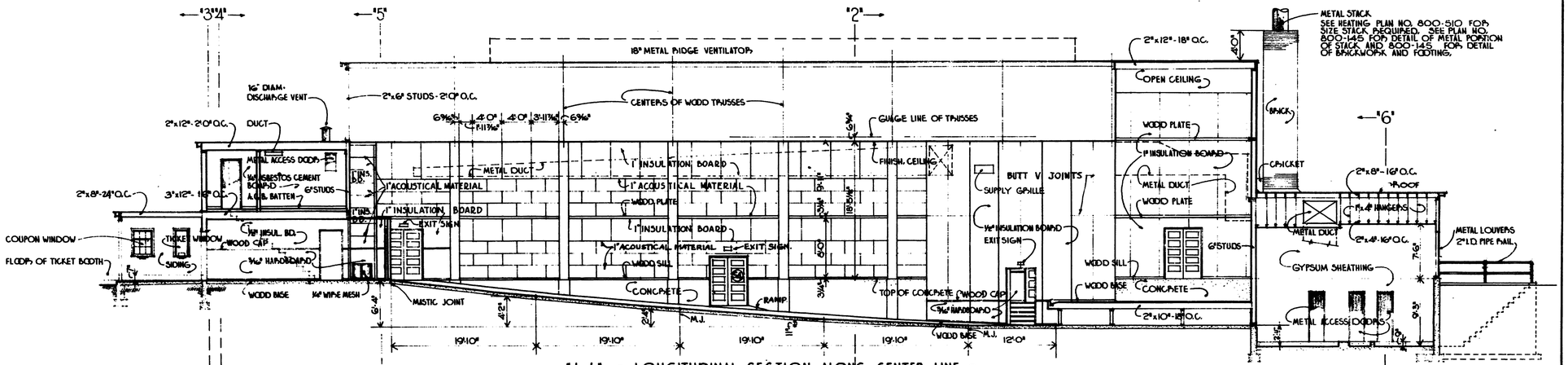
·FIRST·FLOOR·PLAN·
SCALE: 1/8"=1'-0"

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

SCALE	CONSTRUCTION DIVISION OFFICE OF THE QUARTERMASTER GENERAL
AS NOTED	MODILIZATION BUILDINGS THEATRE TYPE - TH-1038 S
REVISIONS	FLOOR · AND · CEILING · PLANS ·
(A) 9/18/41	
(B) 11/3/41	
(C) 8/6/45	

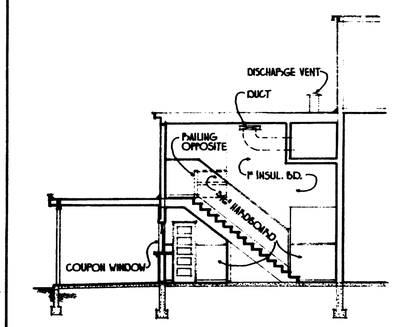
DRAWN BY	CHECKED BY	APPROVED BY DIRECTION	DATE
WELPLEY STANLEY FUNDIN	HEAT.	LT. COL. C.E.	AUG. 5, 1941
TRACED BY FUNDIN	ELEC.		PLAN NUMBER
	PLUMB.		800-500
	STRU.	CHIEF ARCHITECTURAL UNIT	OFFICER IN CHARGE MAJOR, Q.M.C.
	ARCH.		
	CH'K'R		

THIS DRAWING SUPERSEDES DWG. NO 700-1212.1 - DATED DEC. 6, 1940



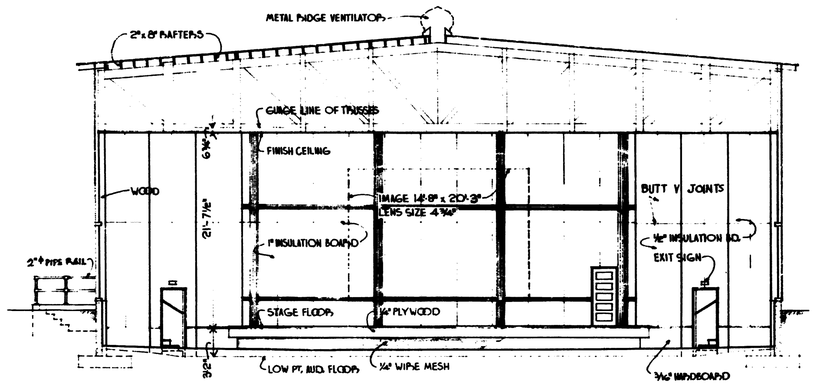
◦ "1-1" ◦ LONGITUDINAL SECTION ALONG CENTER LINE ◦

1



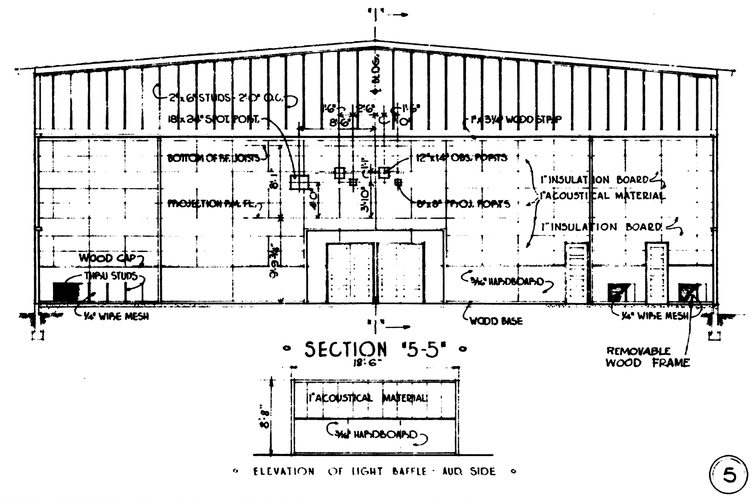
◦ SECTION "7-7" ◦

7



◦ SECTION "2-2" ◦

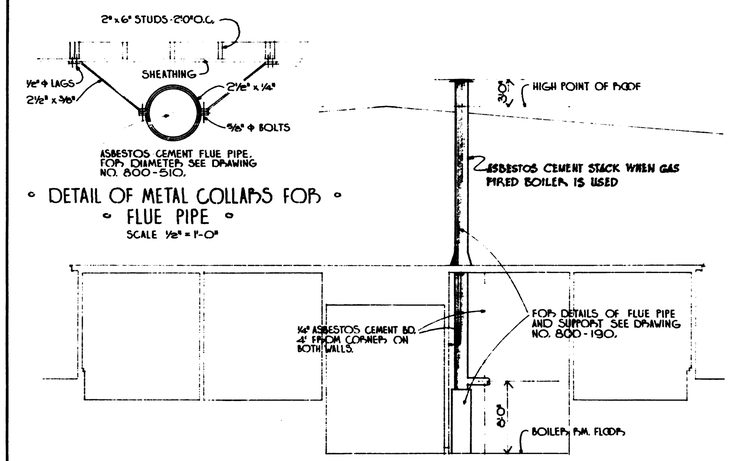
2



◦ SECTION "5-5" ◦

◦ ELEVATION OF LIGHT BAFFLE - AUD. SIDE ◦

5



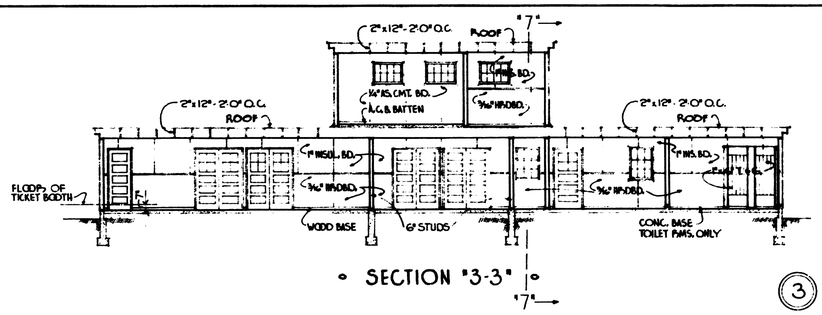
◦ DETAIL OF METAL COLLARS FOR ◦ FLUE PIPE ◦

SCALE 1/2" = 1'-0"

◦ SECTION "6-6" ◦

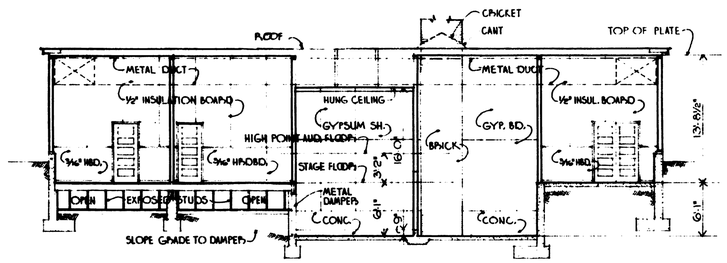
SHOWING FLUE PIPE ETC. ONLY. FOR OTHER DETAILS SEE BLOCK 6, THIS SHEET.

8



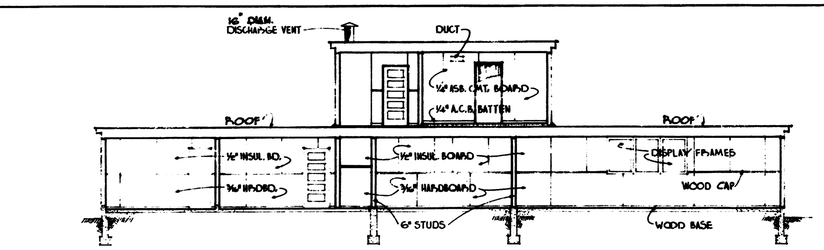
◦ SECTION "3-3" ◦

3



◦ SECTION "6-6" ◦

6



◦ SECTION "4-4" ◦

4

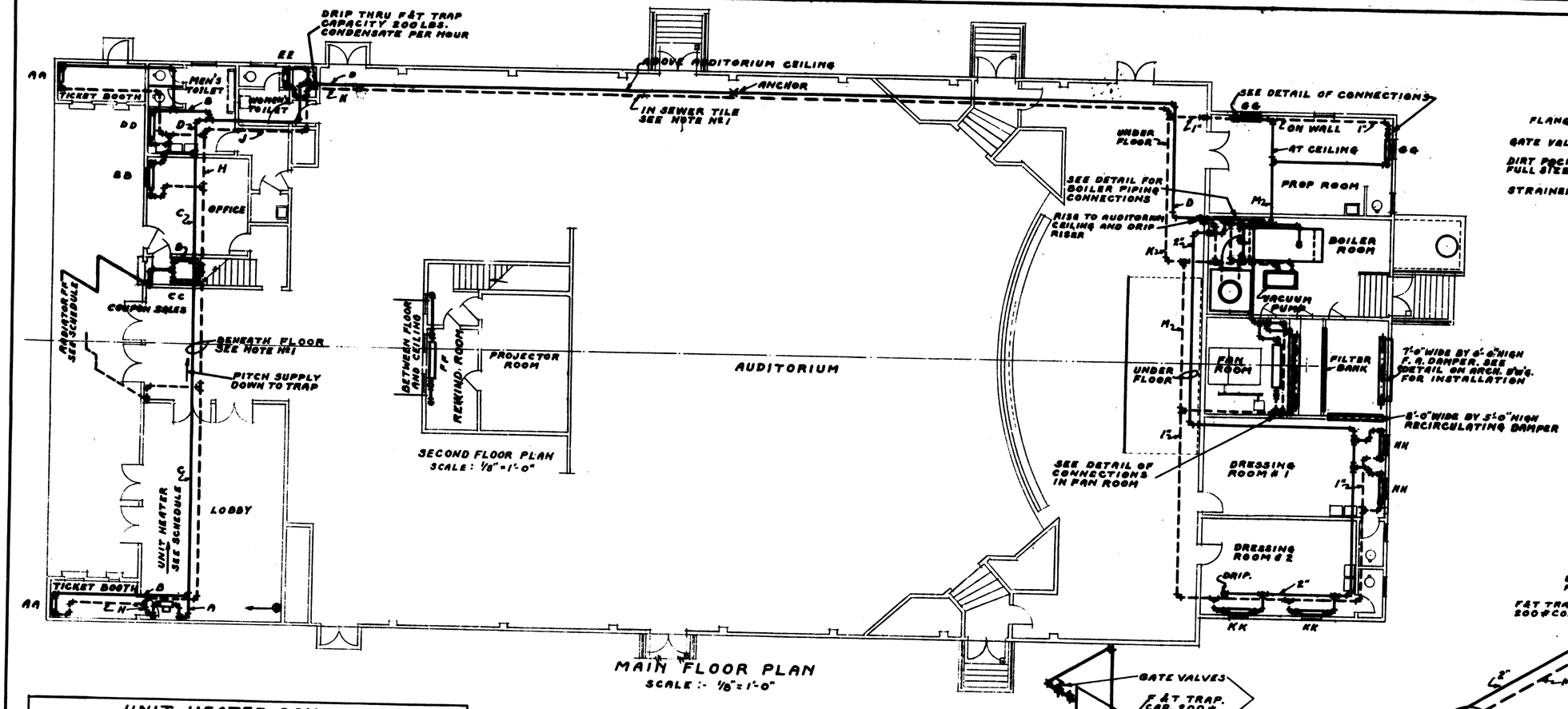
REVISION (A) CHANGED WALL FINISH - BLOCKS 1 & 5
" (B) EXITS (S4) ADDED.

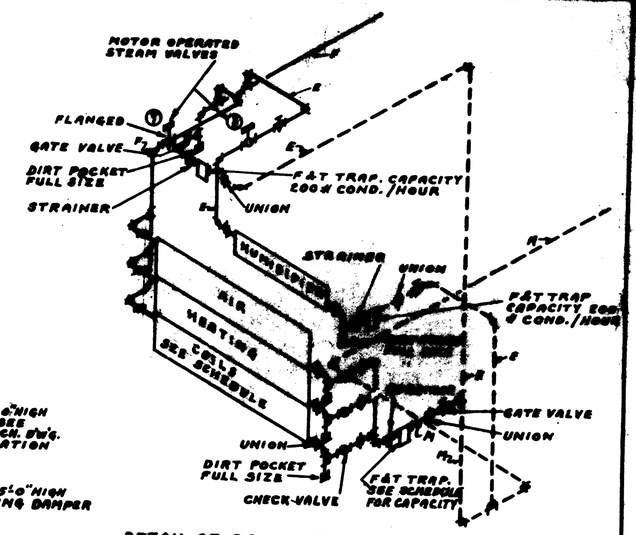
◦ GRAPHIC SCALE ◦

1/8" 0 4 8 12 16 20 24 28 32 36 40
1/4" 0 2 4 6 8 10

SCALE	CONSTRUCTION DIVISION OFFICE OF THE QUARTERMASTER GENERAL
1/8" = 1'-0"	MOBILIZATION BUILDINGS THEATRE TYPE TH-1038-S SECTIONS.
REVISIONS (A) NOV. 3-41 (B) AUG. 6. 45	

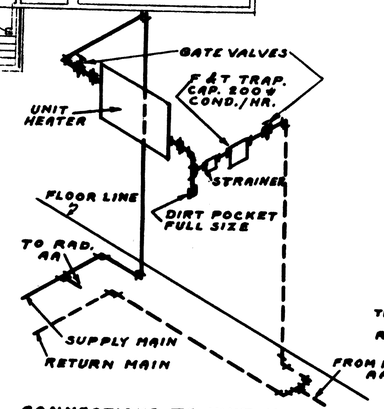
DRAWN BY	CHECKED BY	APPROVED BY DIRECTION	DATE
WELPLEY NORTH	HEAT. ELEC. PLUMB.	LT. COL. C.E. CHIEF ARCHITECTURAL UNIT OFFICER-IN-CHARGE A.A.F.O.D.-G.M.C.	AUG. 5, 1941
TRACED BY NORTH	STRU. MECH. GRKPS.		PLAN NUMBER 800-503





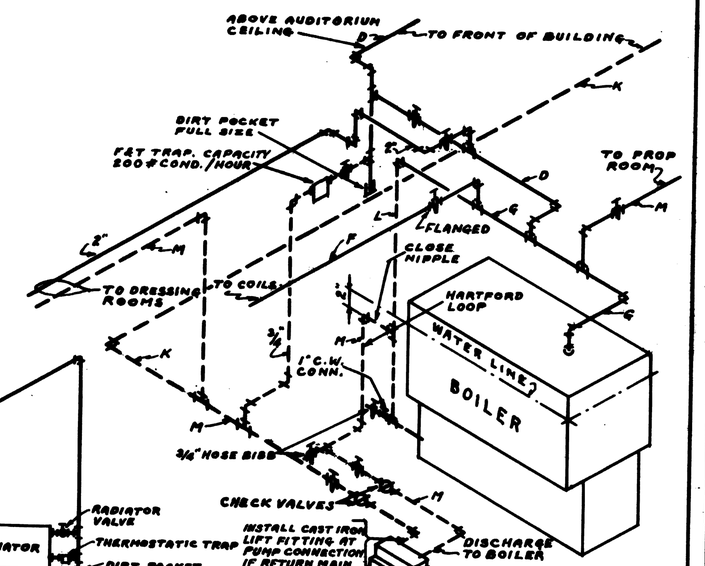
DETAIL OF CONNECTIONS IN FAN ROOM

NOT TO SCALE



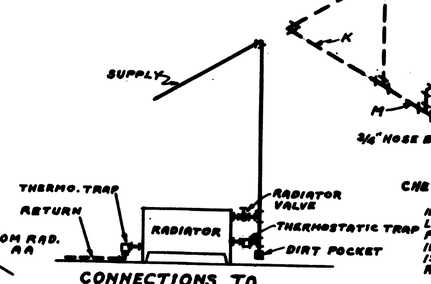
CONNECTIONS TO UNIT HEATER

NOT TO SCALE



BOILER ROOM PIPING CONNECTIONS

NOT TO SCALE



CONNECTIONS TO PROP ROOM RADIATORS

NOT TO SCALE

UNIT HEATER SCHEDULE

ZONE	SYMBOL	NUMBER OF UNITS	TYPE	CAPACITY B.T.U. PER HOUR	C.F.M. STANDARD AIR	ENTERING AIR TEMP.	TRAP CAPACITY LBS. COND./HR.
-20	C-7-G-70	1	CEILING	100,000	2,000	70	200
0	C-6-F-70	1	"	75,000	1,500	"	"
+10	C-5.5-E-70	1	"	60,000	1,000	"	"
+20	C-5-E-70	1	"	50,000	1,000	"	"
+30	C-4-D-70	1	"	40,000	750	"	"
+40	C-3-C-70	1	"	30,000	500	"	"

FLOAT AND THERMOSTATIC TRAP SCHEDULE (HEATING COIL)

MAXIMUM CAPACITY AT 2 LBS. STEAM PRESSURE DIFFERENTIAL	ZONE					
	-20	0	+10	+20	+30	+40
POUNDS CONDENSATE PER HOUR	3,400	2,600	2,200	1,800	1,400	1,000

RADIATOR SCHEDULE

SYMBOL	DESCRIPTION	SQUARE FEET OF RADIATION					
		ZONE					
		-20	0	+10	+20	+30	+40
AA	6 TUBE - 38" HIGH	72	54	48	42	36	24
BB	5 " 32" "	69 1/3	52	47 1/3	39	30 1/3	26
CC	4 " 38" "	29 3/4	25 1/2	21 1/4	17	17	12 3/4
DD	5 " 38" "	90	75	60	55	45	40
EE	4 " 32" "	24 1/2	17 1/2	17 1/2	14	10 1/2	10 1/2
FF	6 " 20" "	69	54	48	39	38	24
GG	4 " 32" "	77	63	56	49	42	38 1/2
HH	4 " 32" "	52 1/2	42	38 1/2	35	31 1/2	24 1/2
KK	4 " 32" "	70	52 1/2	49	42	31 1/2	24 1/2
TOTAL CAST IRON STEAM RADIATION (SQUARE FEET)		825 7/12	644	577 1/12	499	416 5/12	322 1/4

BOILER SCHEDULE

TYPE		ZONE					
		-20	0	+10	+20	+30	+40
STEEL	COAL (HAND FIRED) (MIN. CAP. 30 FT. STEAM)	10,000	8,500	7,000	6,000	4,500	3,500
	MECHANICALLY FIRED (MIN. CAP. 30 FT. STEAM)	10,330	8,500	7,290	5,470	4,250	3,650
CAST IRON	GAS FIRED (50 FT. STEAM (A.G.A. OUTPUT RATING))	10,550	8,060	6,810	5,585	4,360	3,400

PIPING SCHEDULE

SYMBOL	ZONE					
	-20	0	+10	+20	+30	+40
A	2 1/2"	2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
B	1 1/16"	1 1/16"	1 1/16"	1 1/16"	1 1/16"	1"
C	2 1/2"	2"	2"	2"	2"	2"
D	2 1/2"	2 1/2"	2"	2"	2"	2"
E	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"
F	6"	5"	5"	4"	4"	3 1/2"
G	6"	5"	5"	5"	4	4"
H	1"	1"	1"	1"	1"	1"
J	1"	1"	1"	1"	1"	1"
K	1 1/16"	1"	1"	1"	1"	1"
L	4"	4"	4	4"	2 1/2"	2 1/2"
M	2"	2"	2"	1 1/2"	1 1/2"	1 1/2"
N	3 1/2"	3"	3"	3"	2 1/2"	2 1/2"
P	2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/4"

VACUUM PUMP SCHEDULE

CAPACITY	ZONE					
	-20	0	+10	+20	+30	+40
RADIATION CAP. (SQ. FT. STEAM)	10,000	10,000	10,000	5,000	5,000	2,500
PUMP CAPACITY (GALS./MINUTE)	15.0	15.0	15.0	7.5	7.5	3.8
DISCHARGE PRESS. (LBS. PER SQ. IN.)	20	20	20	20	20	20

BREECHING AND STACK SCHEDULE

TYPE	DESCRIPTION	ZONE					
		-20	0	+10	+20	+30	+40
COAL HAND FIRED	BREECHING DIA. (IN.)	28"	28"	24"	24"	22"	19"
	STACK DIA. (IN.)	27"	24"	22"	22"	18"	18"
	STACK HEIGHT (FT.)	70'-0"	65'-0"	65'-0"	60'-0"	55'-0"	55'-0"
MECHANICALLY FIRED	BREECHING DIA. (IN.)	28"	24"	24"	22"	19"	19"
	STACK DIA. (IN.)	24"	22"	22"	18"	18"	18"
	STACK HEIGHT (FT.)	65'-0"	60'-0"	50'-0"	45'-0"	45'-0"	45'-0"
GAS FIRED	BREECHING DIA. (IN.)	22"	19"	18"	16"	14"	13"
	STACK DIA. (IN.)	24"	20"	20"	18"	16"	16"
	STACK HEIGHT (FT.)	3'-0" ABOVE HIGHEST POINT OF ROOF					
HAND FIRED		65'	60'	60'	55'	50'	50'
MECH. FIRED		60'	55'	45'	40'	40'	40'

HEATING COIL SCHEDULE

CAPACITY	ZONE					
	-20	0	+10	+20	+30	+40
ENTERING AIR TEMP.	40	46.7	50	53.3	56.7	60
LEAVING AIR TEMP.	88.6	84.2	81.9	79.6	77.3	76.2
DESCRIPTION	ALL ZONES					
CUBIC FEET OF AIR PER MINUTE	30,000					
MINIMUM FACE AREA (SQUARE FEET)	60					
MAXIMUM SPACE ALLOWANCE	10'-9" WIDE X 7'-3" HIGH					
STEAM PRESSURE (LBS. PER SQ. IN. GAUGE)	2					

RADIATOR CONNECTIONS SCHEDULE

ALL ZONES					
SUPPLY			RETURN		
PIPE SIZE	HORIZONTAL RUNOUTS TO RADIATORS	VERTICAL VALVES & RAD. TAPPING	PIPE SIZE	HORIZONTAL RUNOUTS TO RADIATORS	TRAP AND STUBBING
1/2"		0-25#	1/2"		0-200#
3/4"	0-25#	26-100#	3/4"	200#	
1"	26-80#	101-180#			
1 1/4"	81-140#				

NOTES:-

1. RETURN MAIN TO FRONT OF BUILDING SHALL PITCH DOWN IN DIRECTION OF BOILER ROOM. SUPPLY & RETURN MAINS AT FRONT OF BUILDING & RETURN MAIN AT SIDE OF BUILDING TO BE RUN IN SEWER TILE.
2. FOR DETAILS NOT INDICATED ON THIS PLAN SEE DRAWING NO. 800-137
3. ALL STEAM AND RETURN LINES SHALL BE INSULATED.

GRAPHIC SCALE 1/8" 1 6 12 18

SCALE: AS SHOWN

REVISIONS

CONSTRUCTION DIVISION
OFFICE OF THE QUARTERMASTER GENERAL

MOBILIZATION BUILDINGS
THEATRE
TYPE TH-1038-S

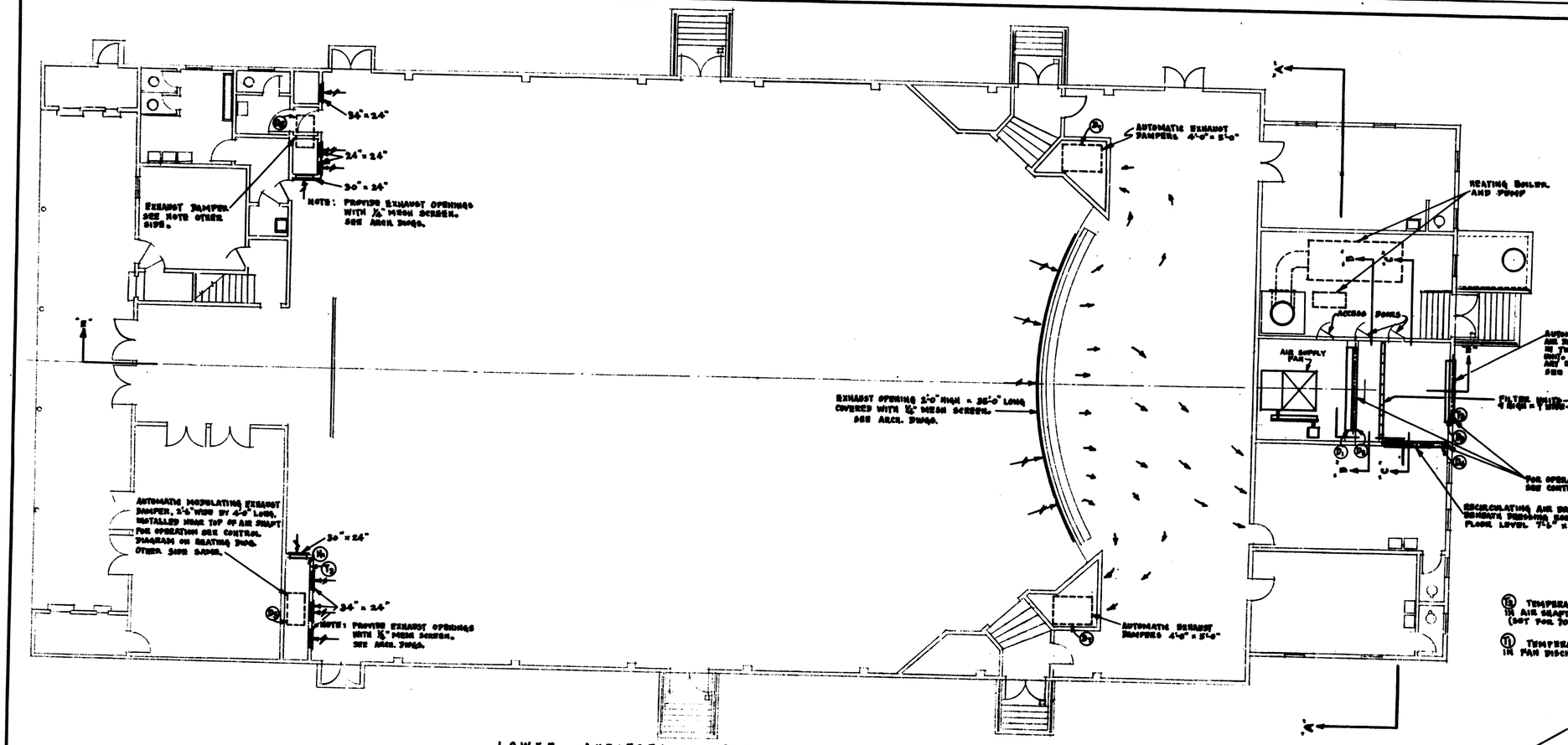
HEATING & SCHEDULES

DRAWN BY: CHECKED BY: HEAT. ELEC. PLUMB. STRUL. ARCH. CHIEF ENGINEER

APPROVED BY DIRECTION: LT. COL. - C.E.

DATE: AUG. 5, 1941

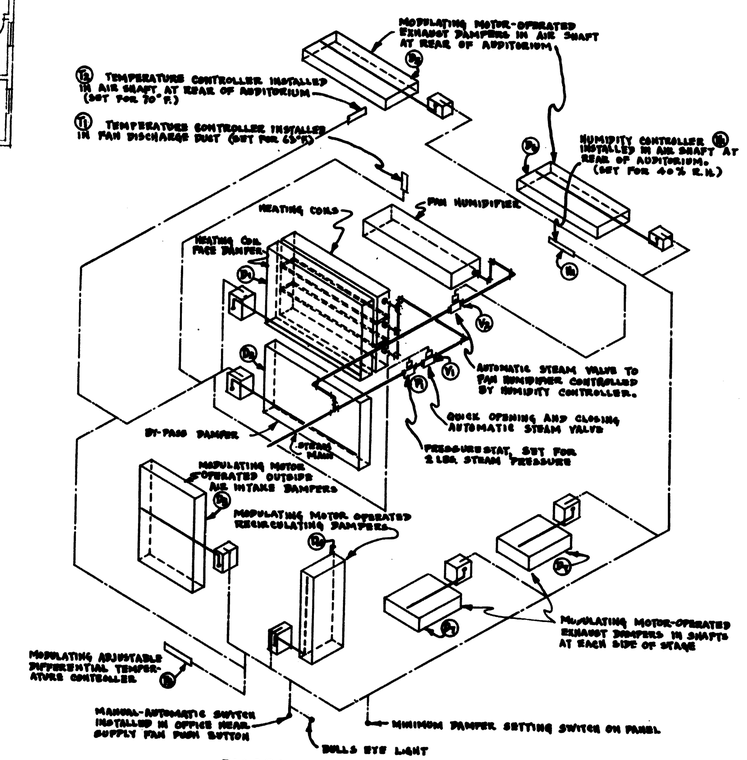
PLAN NUMBER: 800-510



LOWER AUDITORIUM PLAN

SCALE: ⅛" = 1'-0"

FAN SCHEDULE						
USE	CAPACITY (C.F.M.)	STATIC PRESSURE INCHES OF WATER	TYPE	MAX. OUTLET VELOCITY (F.P.M.)	MIN. WHEEL DIAMETER (INCHES)	MIN. MOTOR H.P.
PROJECTION ROOM EXHAUST	1,200	3/8"	SINGLE INLET-UPBLAST DISCHARGE-COUNTER CLOCKWISE ROTATION	1,000	15"	1/2
AUDITORIUM AIR SUPPLY	20,000	1"	DOUBLE INLET-UPBLAST DISCHARGE-COUNTER CLOCKWISE ROTATION	1,300	48"	7.5



DIAGRAMMATIC DETAIL OF CONTROLS FOR HEATING-VENTILATING-HUMIDIFYING SYSTEM

NOT TO SCALE

AUTOMATIC CONTROL SYSTEM

DESCRIPTION OF OPERATION

1. HEATING - EITHER (T1) OR (T2) THERMOSTATS SHALL CONTROL THE MODULATING DAMPER MOTORS. WHEN BY-PASS DAMPER IS FULLY OPEN, THE COIL FACE DAMPER SHALL BE FULLY CLOSED AND VICE VERSA. WHEN (T1) OR (T2) CALL FOR HEAT AND PRESSURESTAT IS SATISFIED THE STEAM VALVE OPENS, THE BY-PASS DAMPER CLOSES AND THE COIL FACE DAMPER OPENS. THE STEAM VALVE REMAINS OPEN UNTIL THE DAMPER IS FULLY CLOSED. A SWITCH ON THE DAMPER MOTOR SHALL OPERATE THE STEAM VALVE. THE PRESSURESTAT SHALL NOT ALLOW THE STEAM VALVE AND FACE DAMPERS TO OPEN UNTIL THERE IS A STEAM PRESSURE OF 2 LBS. IN THE SUPPLY LINE. PRACTICALLY NO AIR SHALL PASS THROUGH THE COILS UNTIL THEY ARE FULL OF STEAM UNDER PRESSURE.

2. VENTILATION - THE MINIMUM DAMPER SETTING SWITCH SHALL BE ADJUSTED SO THAT THE DAMPERS ARE POSITIONED FOR MINIMUM SETTING (WHEN VENTILATION IS CALLED FOR BY THE OFFICE MANUAL-AUTOMATIC SWITCH) AT OUTSIDE TEMPERATURES CORRESPONDING TO THE SPECIFIED HEATING ZONE. THE MINIMUM POSITIONS SHALL BE AS FOLLOWS:- OUTSIDE AIR INTAKE, 10,000 C.F.M.; RECIRCULATING AIR DAMPER, 20,000 C.F.M.; TWO EXHAUST DAMPERS IN AIR SHAFTS AT REAR OF AUDITORIUM, 5000 C.F.M. (EACH) AND EXHAUST DAMPERS IN AIR SHAFTS NEAR FAN ROOM (BEING FULLY CLOSED). THE FAN DISCHARGE TEMPERATURE CONTROLLER WILL CONTROL THE HEATING DAMPER AND BY-PASS DAMPER TO MAINTAIN A DISCHARGE AIR TEMPERATURE OF NOT LESS THAN 65°F. THE OUTDOOR ADJUSTABLE DIFFERENTIAL MODULATING CONTROLLER SHALL OPERATE THE OUTDOOR AIR DAMPER AND ALL CONNECTED DAMPERS TO AVOID OVERHEATING IN THE AUDITORIUM WHEN THERE IS A DECREASE IN THE HEAT LOAD. THIS CONTROLLER SHALL BE ADJUSTED TO GRADUALLY OPEN THE OUTDOOR AIR DAMPER, FAN ROOM EXHAUST DAMPER, AND CLOSE THE RECIRCULATING DAMPER ON A RISE IN OUTDOOR AIR TEMPERATURE, AND TO RETURN TO THE MINIMUM POSITION AT WHATEVER OUTDOOR AIR WILL PROVIDE A DISCHARGE AIR TEMPERATURE OF 65°F. WITH THE MINIMUM QUANTITY BEING PROVIDED. SO LONG AS THE RETURN AIR TEMPERATURE DOES NOT INDICATE AN OVERHEATED CONDITION THE OUTDOOR AIR DAMPER SHALL BE HELD TO A MINIMUM OPENING (ALL OTHER DAMPERS TAKING ADJUSTED POSITIONS) AS SET BY THE MINIMUM POSITION SWITCH. IF THE AUDITORIUM TEMPERATURE COOLS DOWN DUE TO THE TEMPERATURE OF THE DISCHARGE AIR PROVIDED, THE RETURN AIR CONTROLLER SHALL SENSE THIS CHANGE AND TAKE COMMAND OF THE OUTDOOR AIR DAMPER AWAY FROM THE OUTDOOR AIR TEMPERATURE CONTROLLER AND REVERT IT TO THE MINIMUM POSITION SWITCH.

OPERATING INSTRUCTIONS - WARMING UP

3. A SWITCH WITH INDICATING PLATE AND BULL'S EYE SHALL BE INSTALLED IN THE OFFICE NEAR THE FAN PUSH-BUTTON. THIS SWITCH SHALL CONTROL THE SYSTEM AS FOLLOWS: (A) LIGHT OFF (MANUAL OPERATION), THE OUTSIDE AIR DAMPER AND EXHAUST DAMPERS SHALL BE FULLY CLOSED AND THE RECIRCULATING AIR DAMPER FULLY OPEN. FACE AND BY-PASS DAMPERS SHALL OPERATE AUTOMATICALLY WITH STEAM VALVE TO MAINTAIN THE SET 70°F. TEMPERATURE; (B) LIGHT ON (AUTOMATIC OPERATION), THE SYSTEM SHALL OPERATE COMPLETELY AUTOMATICALLY, AND THE FRESH AIR, RECIRCULATING AIR, AND EXHAUST AIR DAMPERS SHALL TAKE THEIR POSITIONS AS HEREINBEFORE DESCRIBED.

4. CLOSING DOWN - ABOUT 5 MINUTES BEFORE CLOSING DOWN, THE MANUAL-AUTOMATIC SWITCH SHALL BE THROWN TO THE MANUAL POSITION, CLOSING ALL OUTSIDE AIR DAMPERS, AND THE FAN STOPPED AT CLOSING. ALL VENTILATING DAMPERS SHALL REMAIN IN THIS POSITION UNTIL CHANGED BY THROWING THE SWITCH TO AUTOMATIC POSITION.

5. HUMIDITY - THE HUMIDITY CONTROLLER SHALL CONTROL THE STEAM VALVE TO THE FAN HUMIDIFIER.

6. THE ENTIRE CONTROL SYSTEM (HEATING, VENTILATING AND HUMIDIFYING) SHALL BE PUT INTO OPERATION WITH THE STARTING OF THE MAIN SUPPLY FAN, AND DE-ENERGIZED WITH THE STOPPING OF THIS FAN.

7. THE MINIMUM DAMPER SETTING SWITCH AND ALL RELAYS SHALL BE INSTALLED ON FINISHED PANEL IN FINISHED BOX WITH HINGED LOCKING DOOR IN FAN ROOM. ALL ITEMS OF EQUIPMENT SHALL BE CLEARLY MARKED WITH PERMANENT NAME PLATES, HAVING DESIGNATIONS CORRESPONDING TO THE DESIGNATIONS ON THE FRAMED WIRING DIAGRAM AND OPERATING INSTRUCTIONS TO BE INSTALLED BY THIS CONTRACTOR IN FAN ROOM.

8. FACE AND BY-PASS DAMPERS SHALL MODULATE TO MAINTAIN THE PROPER TEMPERATURE WITHOUT CYCLING AND WITHIN A ONE DEGREE DIFFERENTIAL (½°F. ABOVE AND ½°F. BELOW THE 70°F. INSIDE TEMPERATURE).

GRAPHIC SCALE

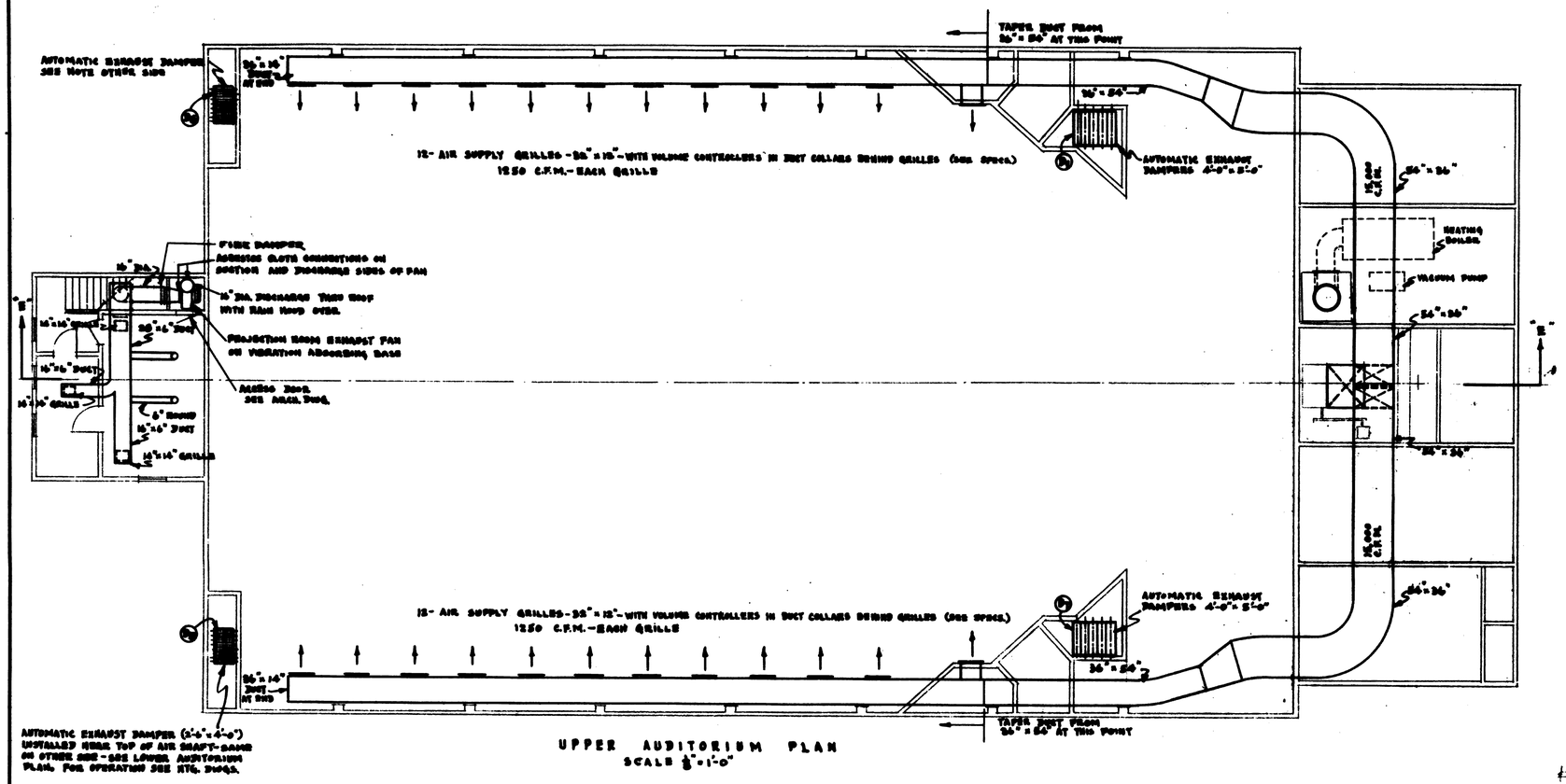
SCALE: AS NOTED

REVISIONS

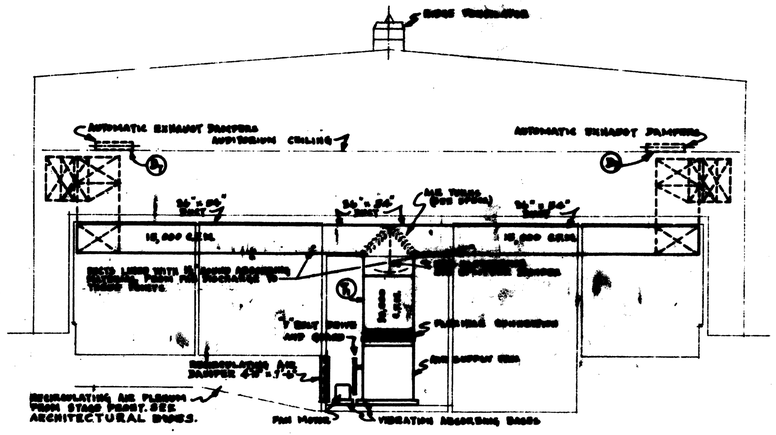
CONSTRUCTION DIVISION
OFFICE OF THE QUARTERMASTER GENERAL

MOBILIZATION BUILDINGS
THEATRE
TYPE TM-1038-S
VENTILATING

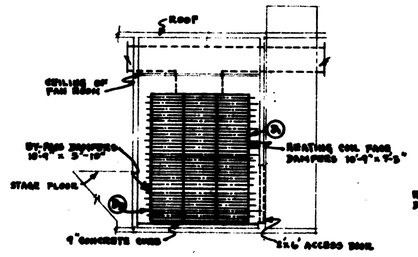
DRAWN BY	CHECKED BY	APPROVED BY DIRECTION	DATE
DR. E.K. J.C. S.S.A. R.R.	ARCH.	LT. COL. - C.E.	AUG. 5, 1941
TRACED BY T.J.H. R.R.	ELEC. PLUMB. STRUC.	CHIEF, CONSTRUCTION DIVISION	PLAN NUMBER
	CH. V.E.D.		800-511



UPPER AUDITORIUM PLAN
SCALE 1/8" = 1'-0"



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



SECTION "B-B"
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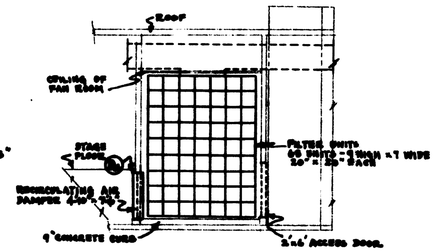
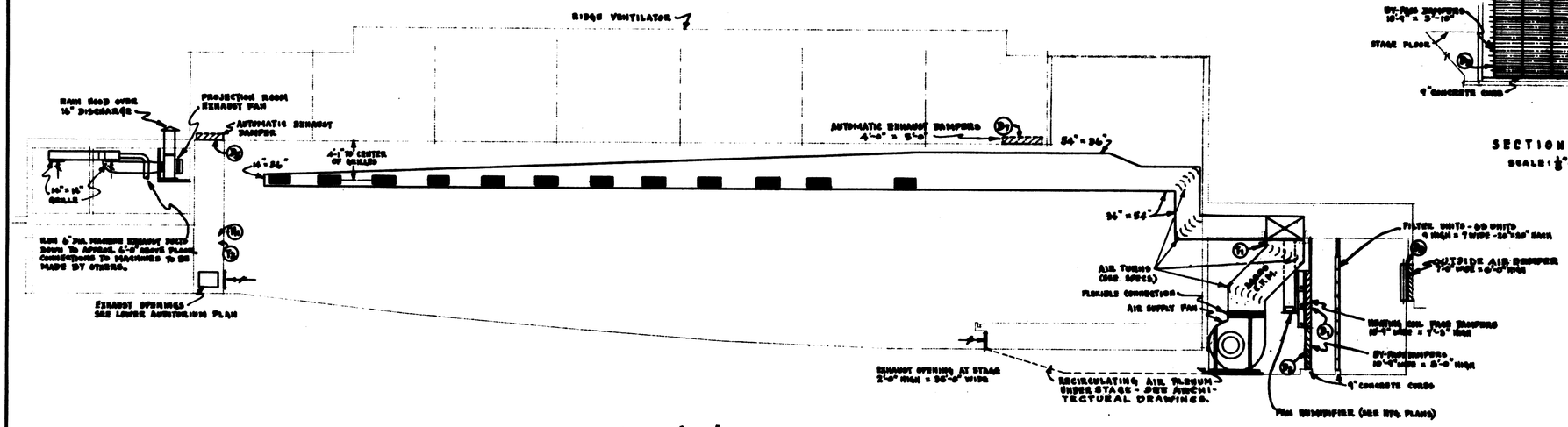


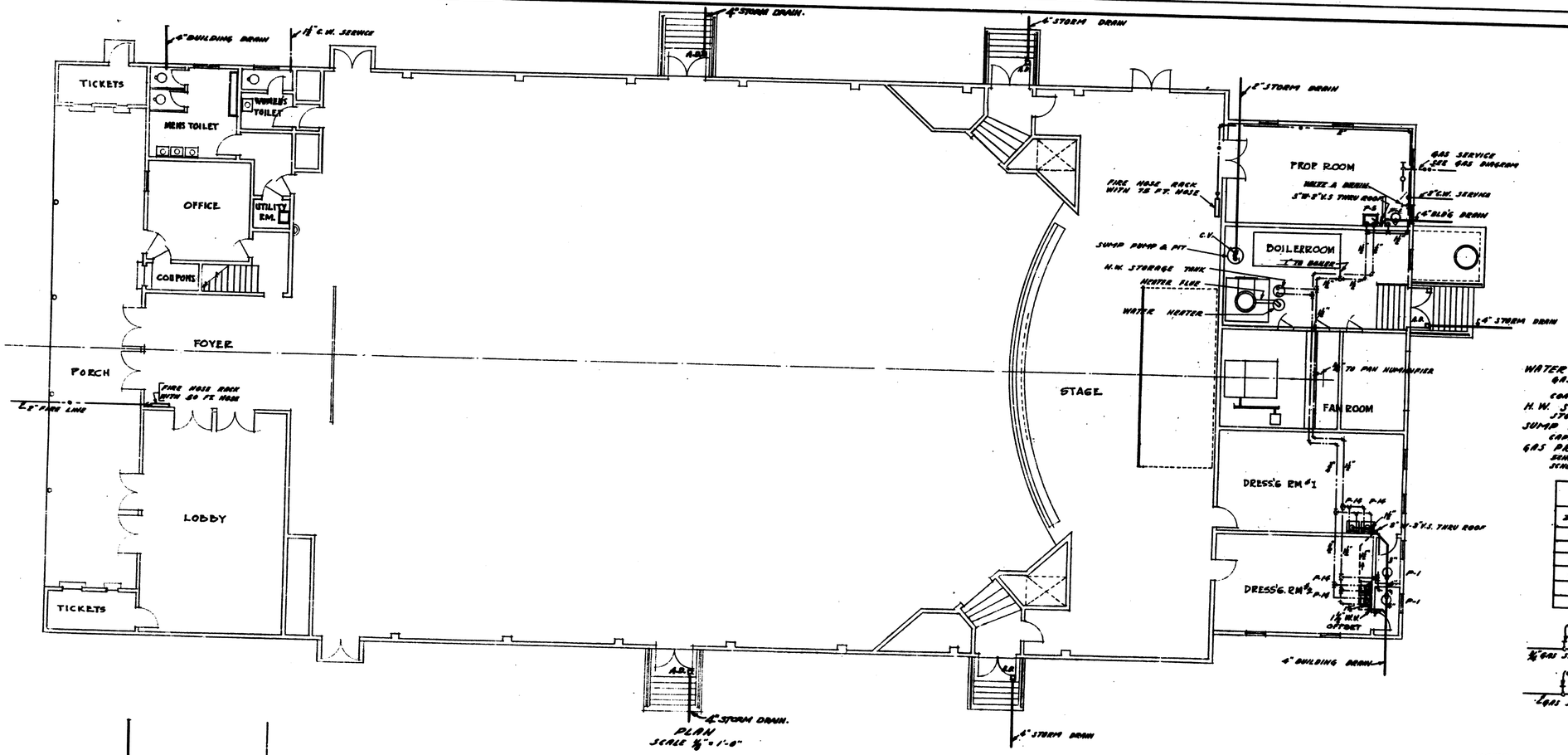
SECTION "C-C"
SCALE: 1/8" = 1'-0"



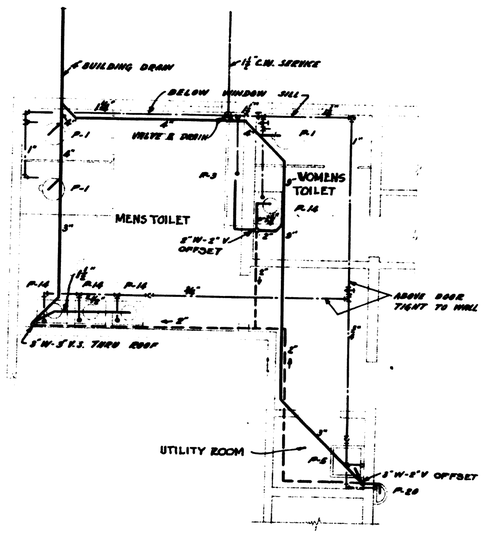
SECTION "E-E"
SCALE: 1/8" = 1'-0"

SCALE	CONSTRUCTION DIVISION OFFICE OF THE QUARTERMASTER GENERAL
AS NOTED	MOBILIZATION BUILDINGS THEATRE TYPE TM-1038-S VENTILATING
REVISIONS	

DRAWN BY	CHECKED BY	APPROVED BY DIRECTION	DATE
W.R.H., C.A., S.A., A.B.	HEAT. ✓ ELEC. PLUMB.	Hal Kern LT. COL., C.E.	AUG. 3, 1941
TRACED BY C.J.H., A.B.	STRUC. ARCH.		PLAN NUMBER 800-512



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



TOILET ROOM LAYOUT
SCALE 1/4" = 1'-0"

PLUMBING LEGEND

BUILDING DRAIN		
COLD WATER		C.W.
HOT WATER		H.W.
GAS		
FIRE LINE		
VENT		V
VENT STACK		V.S.
WASTE		W.
AREA DRAIN		A.D.
CHECK VALVE		C.V.

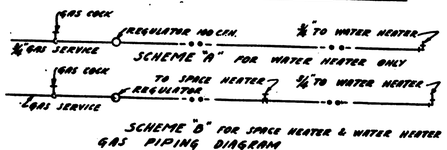
CONNECTIONS TO PLUMBING FIXTURES

NO	FIXTURE	C.W.	H.W.	WASTE
P-1	WATER CLOSET	1"		4"
P-3	URINAL	¾"		1½"
P-8	[illegible]	¾"	¾"	2"
P-14	[illegible]	½"	[illegible]	AS SHOWN
P-20	[illegible]	½"		1½"

CAPACITY OF PLUMBING EQUIPMENT

WATER HEATER
GAS FIRED :- STORAGE TYPE MIN HEATING CAPACITY 15 G.P.H. 65°F RISE MIN STORAGE CAPACITY 15 GAL.
COAL FIRED :- MIN. HEATING CAPACITY 15 G.P.H. 65°F. RISE
H.W. STORAGE TANK
STORAGE CAPACITY 40 GAL. OMIT WHEN GAS FIRED HEATER IS USED.
SUMP PUMP
CAPACITY 25 G.P.M. TOTAL DYNAMIC HEAD 10 FT.
GAS PRESSURE REGULATOR
SCHEME "A" 100 C.F.H.
SCHEME "B" SEE SCHEDULE BELOW.

SCHEME B REGULATOR & PIPE SIZE			
ZONE	SIZE OF REG. C.F.H.	SIZE OF SERVICE	SIZE OUTLET FOR SPACE HTG.
-20	3775	4"	4"
0	3225	4"	4"
+10	2325	3"	3"
+20	2025	3"	3"
+30	1575	2½"	2½"
+40	1235	2½"	2½"



SCHEME "B" FOR SPACE HEATER & WATER HEATER
GAS PIPING DIAGRAM
NO SCALE
DELETE GAS FITTING WHEN OTHER TYPE FUEL IS USED

NOTE
SEE PLUMBING MISCELLANEOUS DETAIL DRAWING #800-194 DETAIL #1 FOR WATER HEATER.

REVISIONS
(A) AREAS AND DRAINS ADDED.

GRAPHIC SCALES
1/8" 1 6 12 ..... 1/4" 1 3 6

SCALE	CONSTRUCTION DIVISION OFFICE OF THE QUARTERMASTER GENERAL
REVISIONS (A) 8/6/45	MOBILIZATION BUILDINGS THEATRE TYPE TH-1038-S PLUMBING

DRAWN BY	CHECKED BY	APPROVED BY DIRECTION	DATE
W.J.K.	HEAT. / ELEC. / PLUMB. ABC / STRUC. / ARCH. DJC / CHIEF ELEC.	LT. COL., C.E. / CHIEF ARCHITECTURAL UNIT / OFFICER IN CHARGE HAND. & M.G.	AUG. 8, 1941
TRACED BY J.J.V.			PLAN NUMBER 800-513