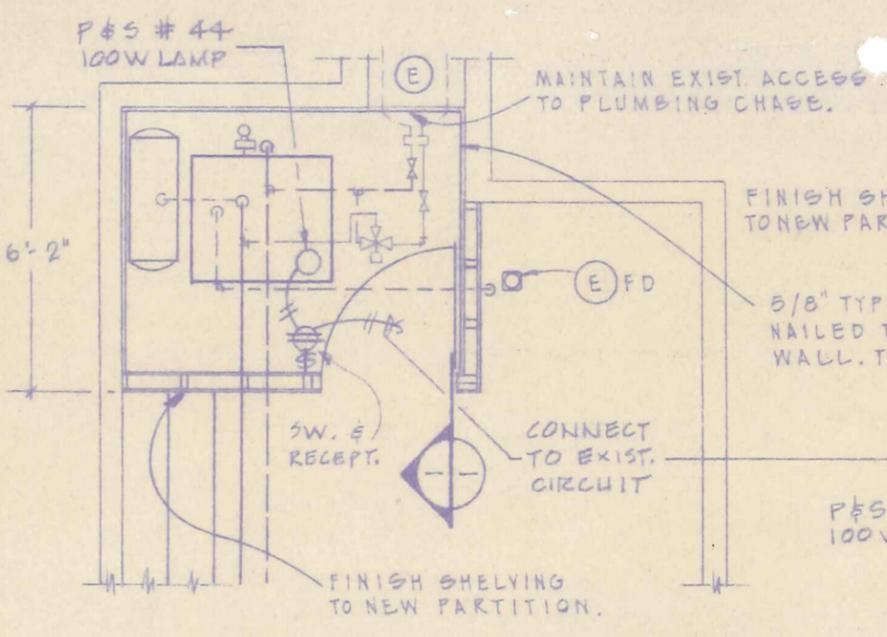
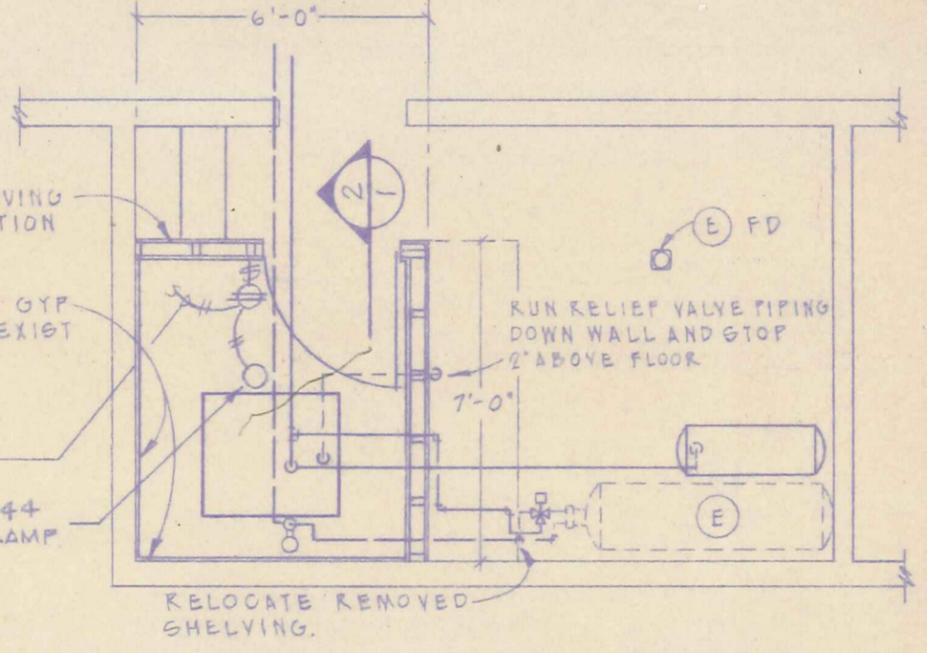


#48



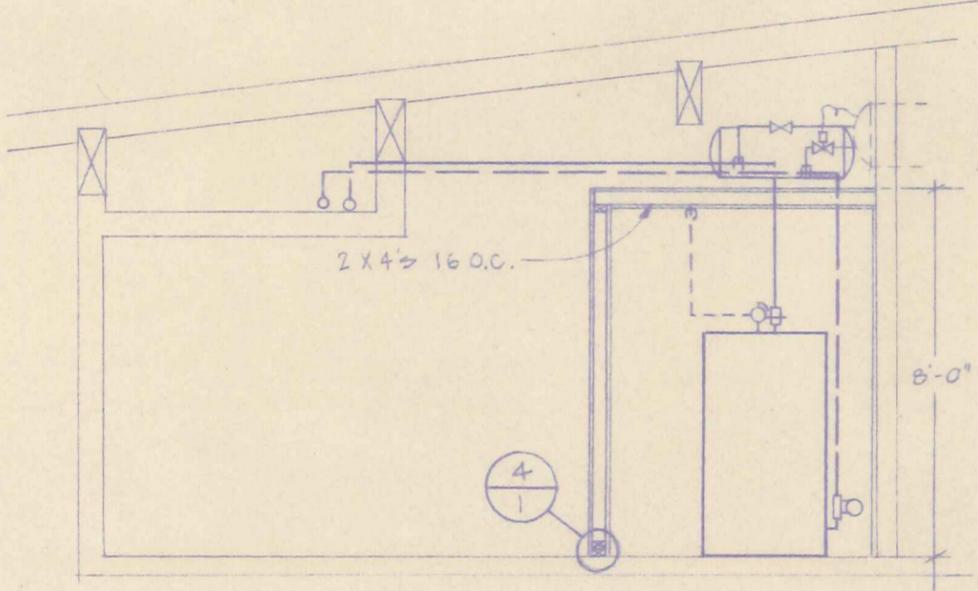
EQUIPMENT ROOM CENTER WING  
S.E. SIMILAR 1/4" = 1'-0"



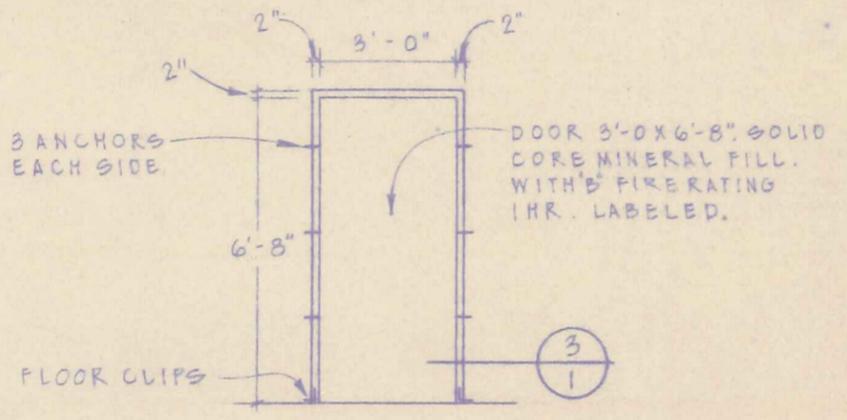
EQUIPMENT ROOM N.E. WING 1/4" = 1'-0"

NOTE: BOLT STUDS TO EXIST WALL MIN. 2'-6" O.C.

DOOR EQUIPMENT  
 BUTTS: STANLEY FBB 173 4 1/2 X 4 1/2 US 10  
 LOCK: SCHLAGE A80 6 PIN 2 3/4 BS US 10 MKD TO EXIST. SYS.  
 CLOSURE: LCN TRADITIONAL 'C' REG. THRU BOLT.

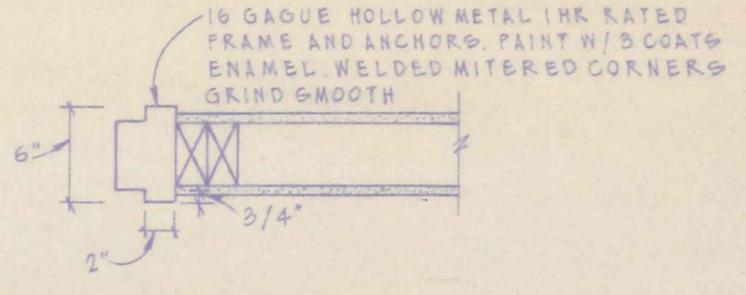


SECTION 1/4" = 1'-0"

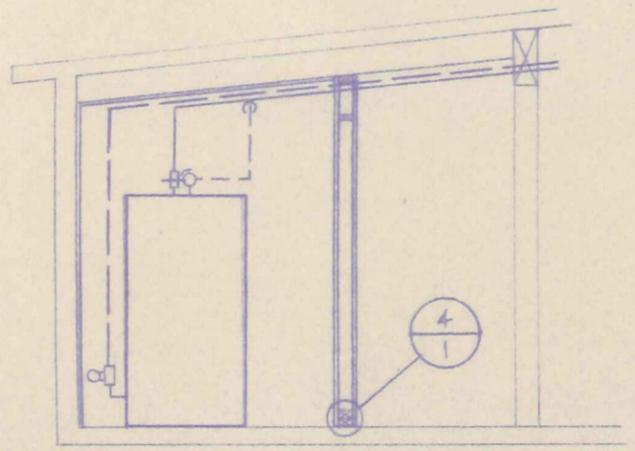


TYP. DOOR ELEV. 1/4" = 1'-0"

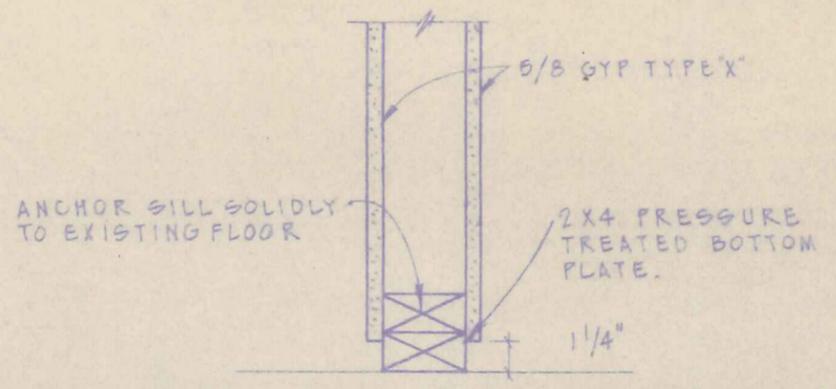
NOTE: WHERE PIPING PENETRATES FIRE WALL SLEVE PIPING AND PACK WITH ASBESTOS ROPE.



DOOR JAMB NO SCALE



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

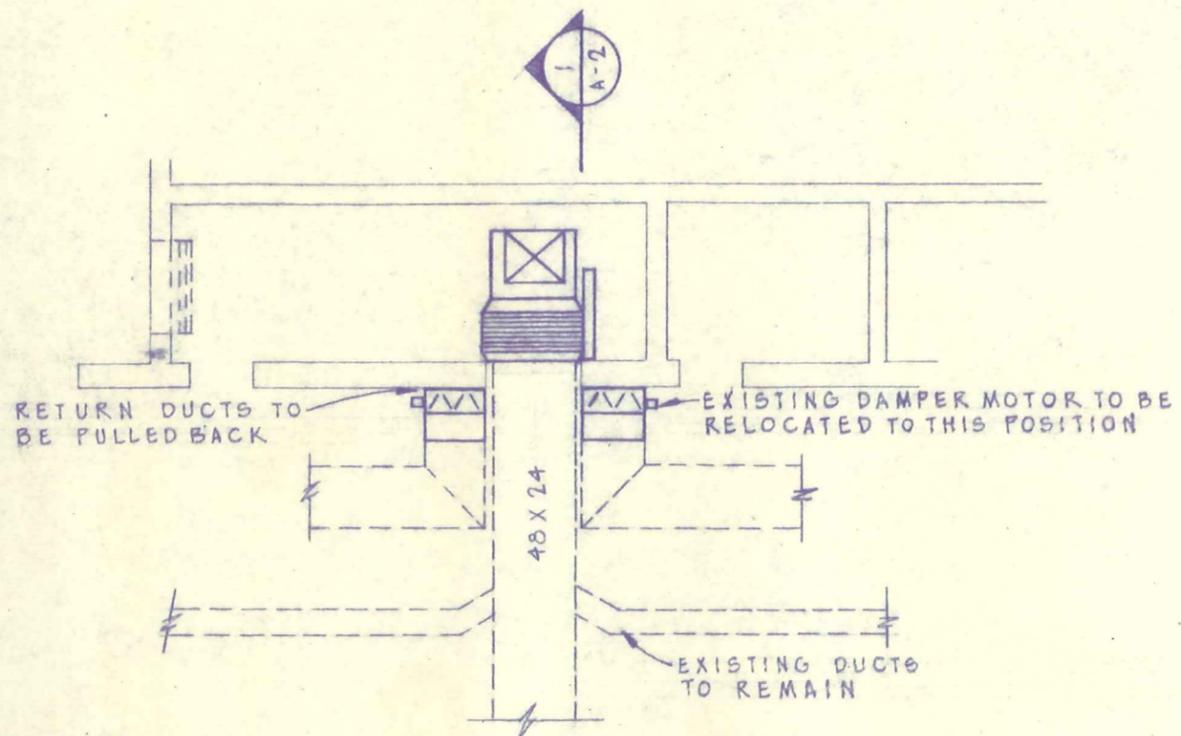


TYP. SILL DETAIL NO SCALE

LEGEND: 2 X 4'S 16" O.C. W/ 5/8 GYP TYPE 'X' EACH SIDE. TAPE AND SAND ONLY.

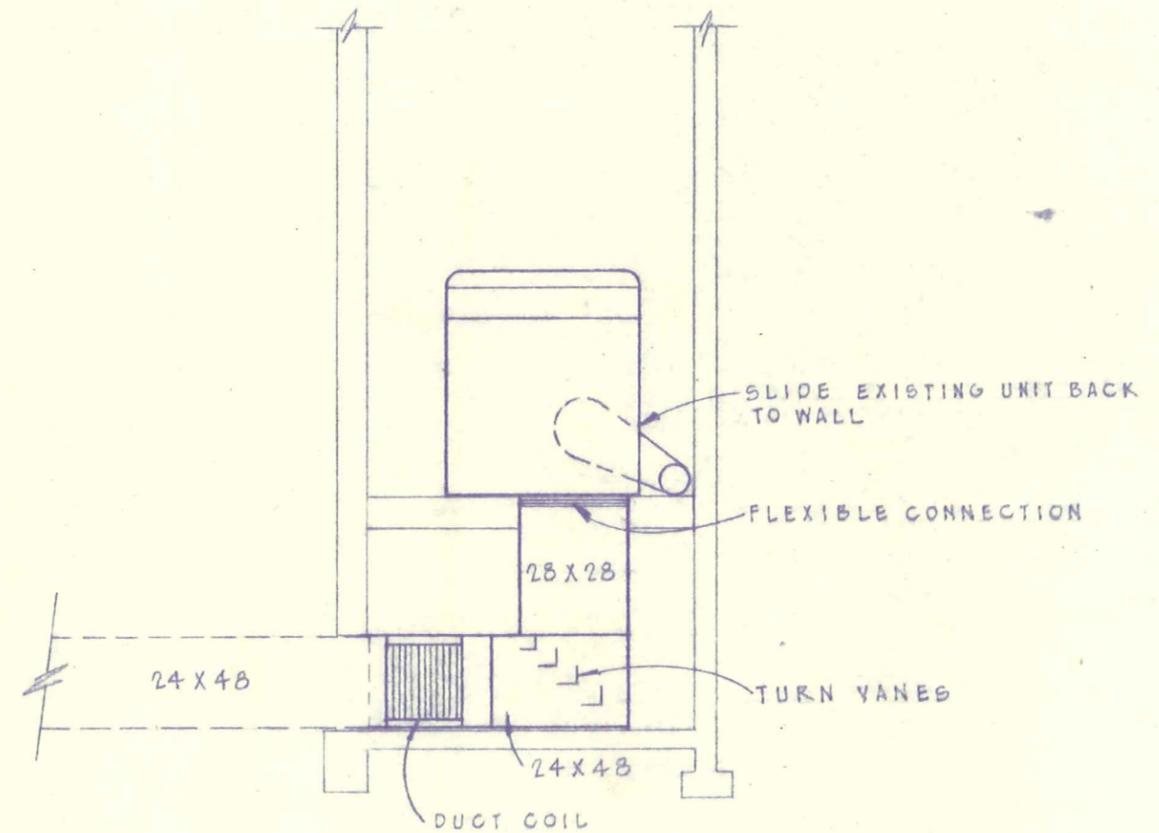
*Handwritten signature and date: 4/2/70*

FRANCES WILLARD HEATING SYSTEM REMODEL	SHEET A-1	BALZHISER & COLVIN CONSULTING ENGINEERS 860 MCKINLEY ST. EUGENE, OREGON 97402	P.O. BOX 2687 345-8478
ONE HOUR FIRE ENCLOSURES	DATE 4/2/70		



FLOOR PLAN

1/8" = 1'-0"

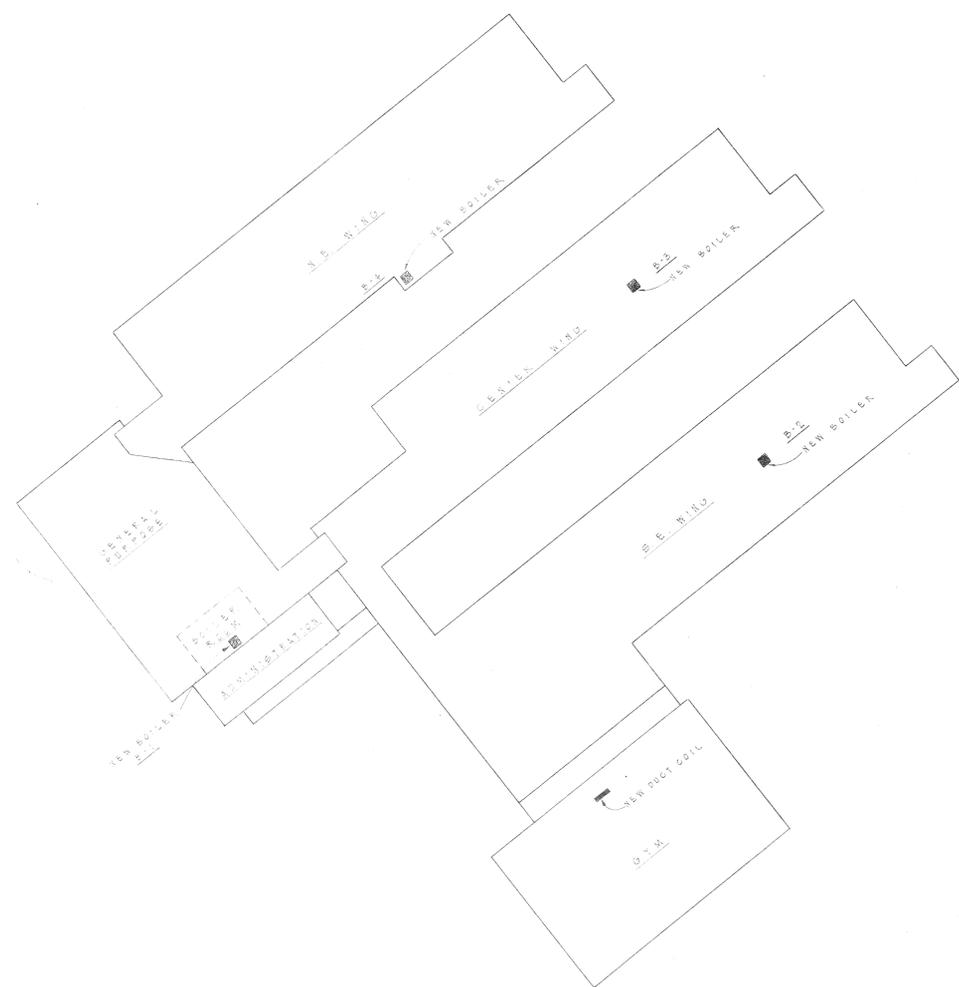


SECTION

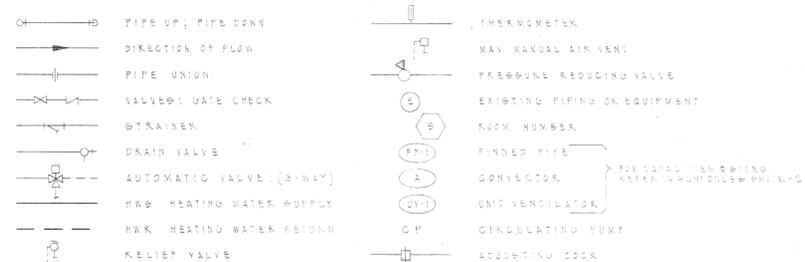
1/4" = 1'-0"

		FRANCES WILLARD SCHOOL EUGENE, OREGON	
REVISIONS		DUCT COIL REVISION	
	DRAWN RT	<b>BALZHISER &amp; COLVIN</b> CONSULTING ENGINEERS 860 MCKINLEY ST. EUGENE, OREGON 97402	DRAWING NO.
	CHECKED JKB		A-2
	DATE 6/26/70		
	JOB NO. 9-T-443		





**SYMBOLS**



BOILER SCHEDULE							
CODE	LOCATION	TYPE	KW/MBH	VOLTS/PHASE	OPN. TEMP RISE	CONTROL SYSTEM	MFG. & MODEL
B-1	BOILER ROOM	ELEC. HOT WATER	210 KW 740 MBH	480 VOLTS 3 PHASE	88.8 OFM 40° RISE	7	COATED 24 KW
B-2	S.E. WING	ELEC. HOT WATER	168 KW 560 MBH		59.5 OFM 40° RISE	6	COATED 20 KW
B-3	CENTER WING	ELEC. HOT WATER	128 KW 420 MBH		23.1 OFM 40° RISE	5	COATED 20 KW
B-4	N.E. WING	ELEC. HOT WATER	158 KW 520 MBH		18.2 OFM 40° RISE	6	COATED 20 KW

NOTE: BOILER MUST FIT THROUGH 3'-0" X 6'-8" DOOR OPENING.

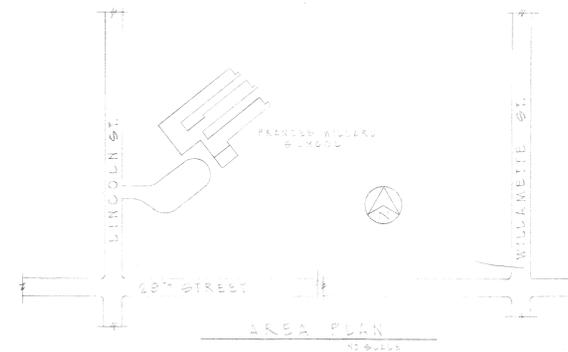
PUMP SCHEDULE						
UNIT	PUMP TYPE	LOCATION	GPM	FEET HEAD	HP	MFG. & MODEL
CP-1	IN-LINE	EQUIPMENT RM. N.E. WING	25	22	1/2	BELL & HOWELL TYPE 112110000
CP-2	IN-LINE	EQUIPMENT RM. CENTER WING	26	24	1/2	BELL & HOWELL TYPE 112110000
CP-3	IN-LINE	EQUIPMENT RM. S.E. WING	31	26	1/2	BELL & HOWELL TYPE 112110000

**SITE PLAN**

1" = 30'-0"

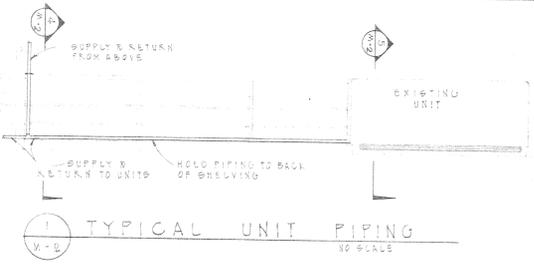
**MECHANICAL NOTES**

1. BIDDER AND CONTRACTOR SHALL CHECK AND VERIFY IN FIELD ALL CONDITIONS, DIMENSIONS, LOCATION, ELEVATIONS AND EQUIPMENT SHOWN AS EXISTING.

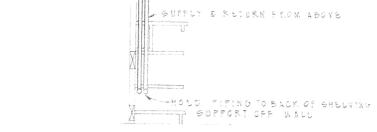


REVISIONS		DRAWING NO.	
		M-1	
DRAWN		BALZHISER & COLVIN	
CHECKED		CONSULTING ENGINEERS	
DATE			
JOB NO.			

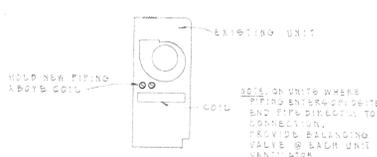
*Handwritten initials: BUNT*



1 TYPICAL UNIT PIPING  
NO SCALE



2 SECTION  
NO SCALE



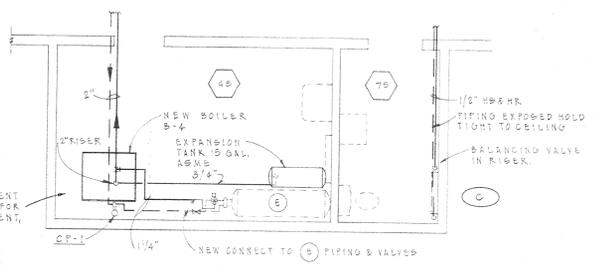
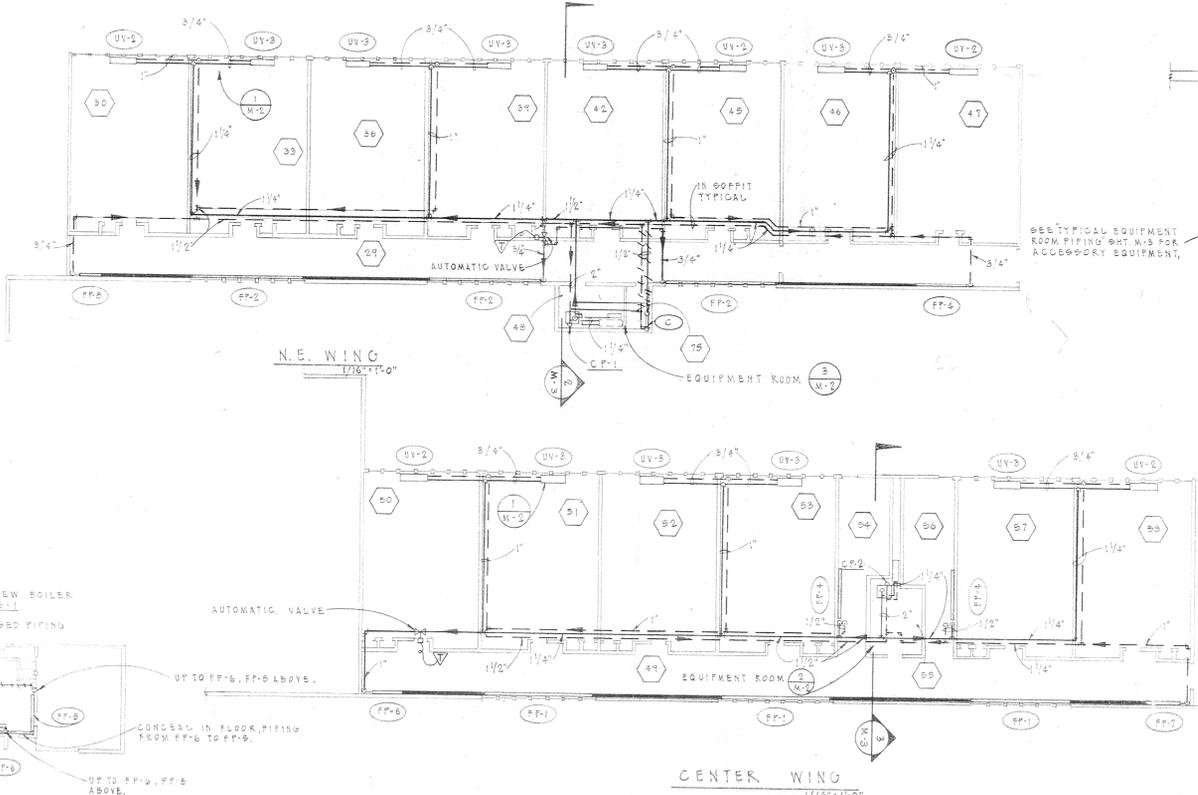
3 SECTION  
NO SCALE



4 SECTION  
NO SCALE

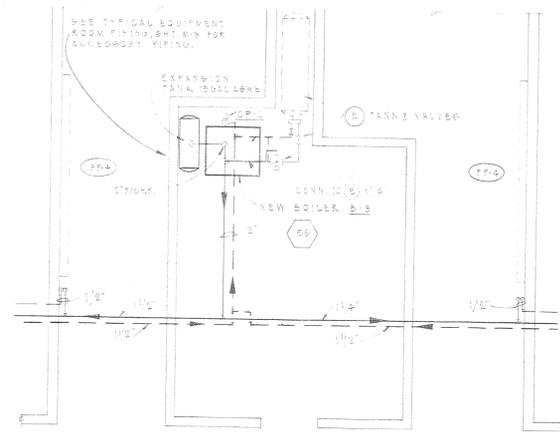
ADMINISTRATION SECOND FLOOR  
1/16" = 1'-0"

ADMINISTRATION FIRST FLOOR  
1/16" = 1'-0"

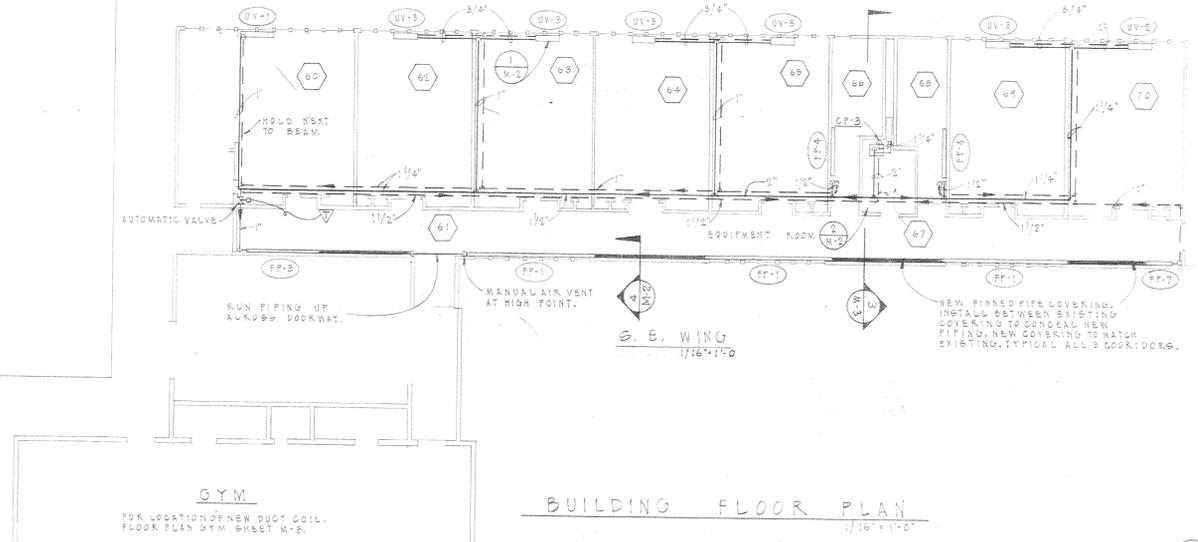


5 EQUIPMENT ROOM N.E. WING  
1/4" = 1'-0"

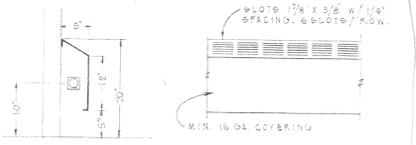
EXISTING EQUIPMENT		
FINNED PIPE		
FP-1	25 LINEAL FEET	27.5 MBH
FP-2	24 " "	23.6 " "
FP-3	16 " "	15.7 " "
FP-4	11 " "	10.5 " "
FP-5	5 " "	7.5 " "
FP-6	7 " "	6.5 " "
FP-7	5 " "	4.9 " "
FP-8	5 " "	4.9 " "
FP-9	4 " "	3.9 " "
FINNED PIPE & CONNECTORS RATED AT 220° ENR. WATER, 40° DROP, 60° ENR. AIR.		
CONVECTORS		
A	82" LENGTH	6.1 MBH
B	28" " "	3.5 " "
C	28" " "	3.5 " "
D	28" " "	3.1 " "
E	18" " "	1.7 " "
UNIT VENTILATORS		
UV-1	1050 CFM @ 70" AIR, 92.5 MBH TOTAL CAPACITY, 62.7 MBH HEATING CAPACITY, W/20" AIR DUCT.	
UV-2	800 CFM @ 70" AIR, 67.1 MBH TOTAL CAPACITY, 55.2 MBH HEATING CAPACITY, W/10" AIR DUCT.	
UV-3	750 CFM @ 70" AIR, 49.0 MBH TOTAL CAPACITY, 40.9 MBH HEATING CAPACITY, W/10" AIR DUCT.	
UNIT VENTILATORS RATED AT 60° MIXED AIR TEMP, 220° ENR. WATER TEMP, 40° DROP.		
UNIT HEATERS		
NH-1	1500 CFM @ 60" INTERNAL R.P., COIL TO RAISE 1500 CFM FROM 60° TO 140°.	
NH-2	1500 CFM @ 60" INTERNAL R.P., COIL TO RAISE 1500 CFM FROM 60° TO 140°.	



6 EQUIPMENT ROOM CENTER WING  
S.E. WING SIMILAR  
1/4" = 1'-0"



7 GYM  
FOR LOCATION OF NEW DUCT COIL. FLOOR PLAN GYM SHEET M-2.



8 TYPICAL FINNED PIPE COVER

REVISIONS		FRANCES WILLARD SCHOOL EUGENE, OREGON	
		1970 HEATING SYSTEM REMODEL	
DRAWN	K.G.T.	BALZHISER & COLVIN CONSULTING ENGINEERS	DRAWING NO. <b>M-2</b>
CHECKED	K.B.		
DATE	2/18/70		
JOB NO.	691438		
		850 MCINLEY ST. EUGENE, OREGON 97402	PO BOX 3887 974-8476

