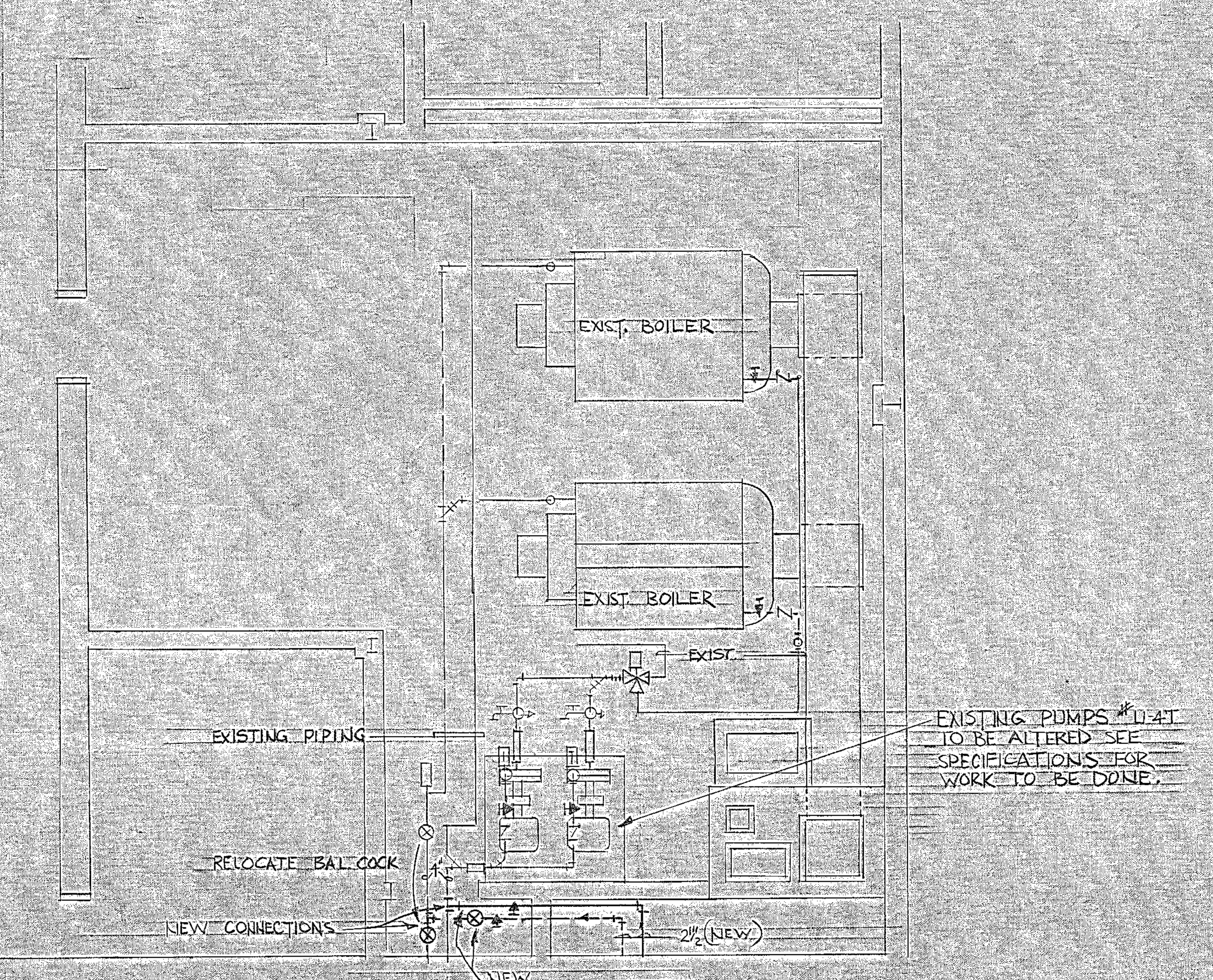
LEGEND

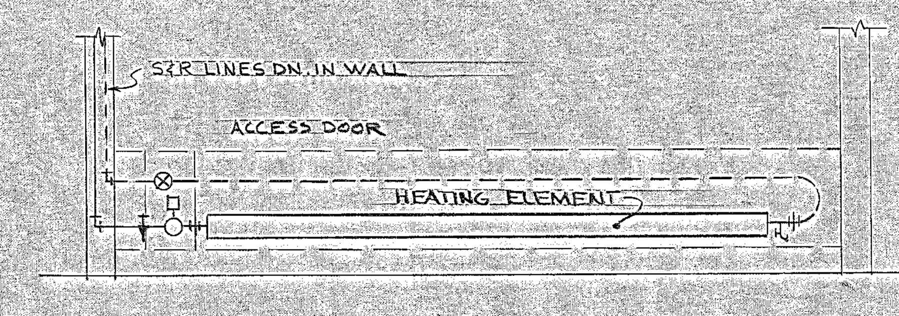
- HOT WATER HEATING SUPPLY LINE
- HOT WATER HEATING RETURN LINE OR CONDENSATE LINE
- GATE VALVE
- CHECK VALVE
- DRAIN VALVE
- AUTOMATIC CONTROL VALVE
- BALANCING COCK
- AIR VENT
- UNION
- PIPE ANCHOR
- THERMOSTAT
- EXPANSION COMPENSATER
- PIPE SIZE
- FIRE DAMPER

FLOOR PLAN — SCALE 1" = 40'-0"



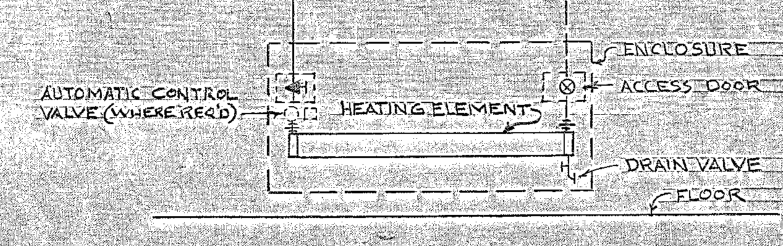
EXISTING BOILER ROOM PIPING PLAN

¼ SCALE



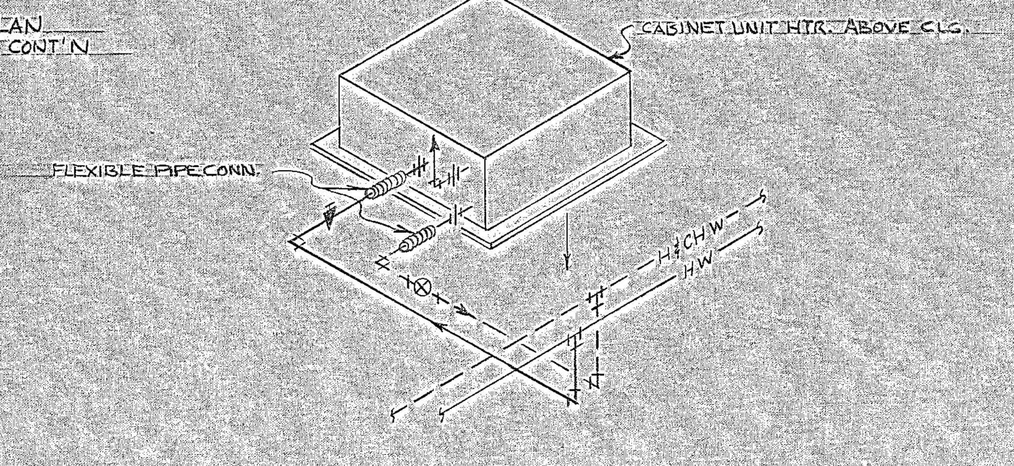
DOWN-FEED WALL FIN

N.T.S.



DOWNFEED CONVECTOR & CAB. U.H.

N.T.S.



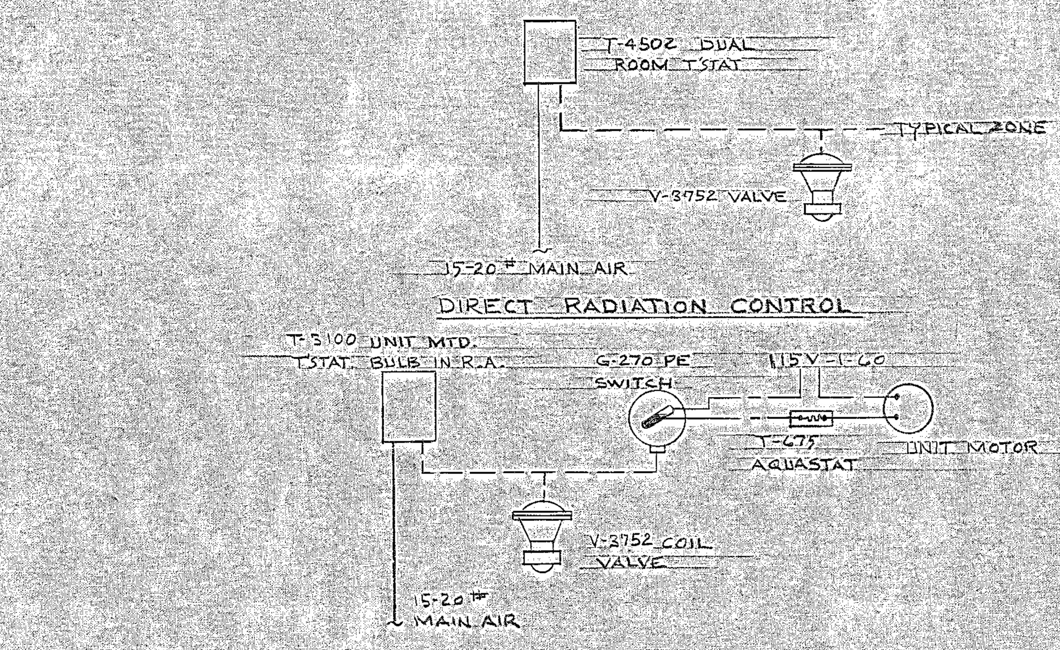
CLNG. MTD. CABINET UNIT HTR.

N.T.S.

PIPING DIAGRAMS

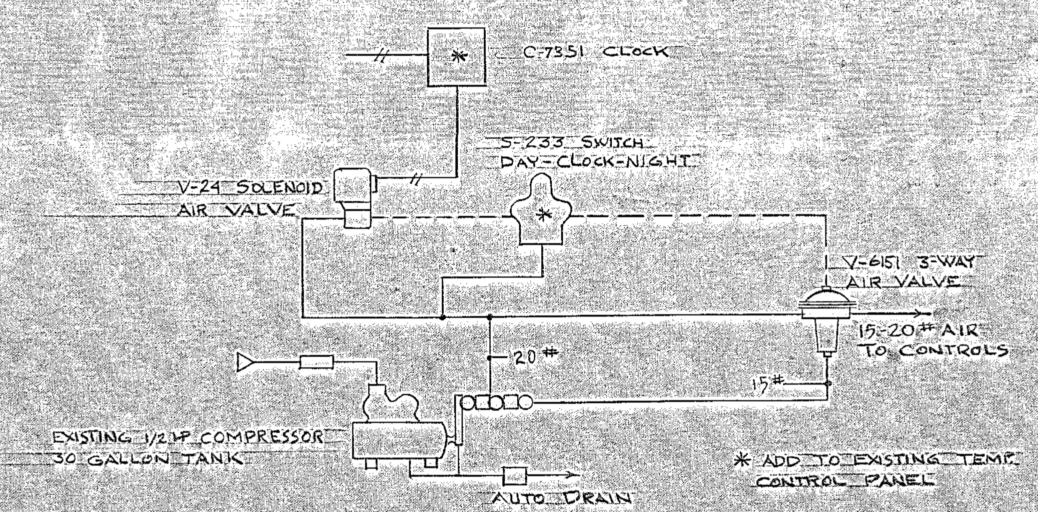
N.T.S.

FAN SCHEDULE							
NO.	SIZE	C.F.M.	S.P.	R.P.M.	O.V.	H.P.	NOTES
E-1	27 C.H.	6015	3/8	640	1200	3/4	S.W.S.I.
E-2	12 C.V.	846	3/8	1301	1100	1/12	
E-3	27 C.H.	4597	3/8	602	1100	1/2	S.W.S.I.
E-4	12 C.V.	615	1/4	1010	800	1/20	
E-5	8672	90	—	—	—	1/20	CEILING FAN
E-6	16 C.V.	1385	1/4	786	1000	1/12	



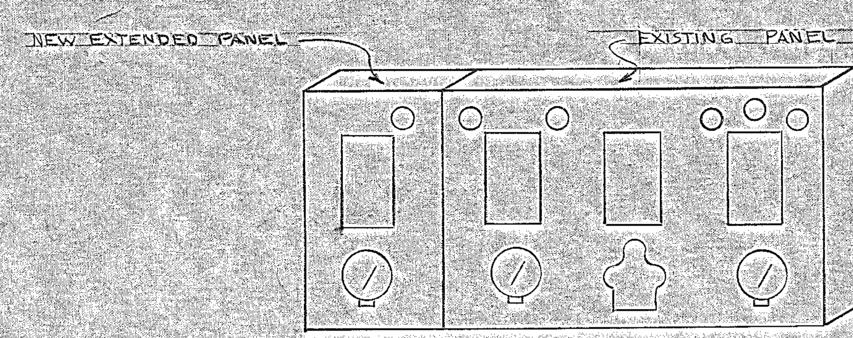
DIRECT RADIATION CONTROL

CABINET UNIT HEATER CONTROL

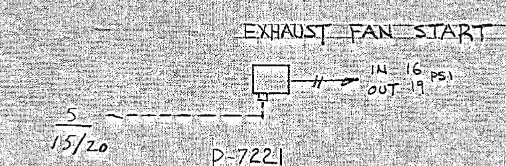


* ADD TO EXISTING TEMP. CONTROL PANEL

DAY - NIGHT CONTROL



TEMPERATURE CONTROL PANEL ARRANGEMENT



EXHAUST FANS

NOTE:
TEMPERATURE CONTROL CONTR. SHALL SUPPLY & WIRE SMOKE DETECTORS ON FANS # E-1 & E-3 TO SHUT FAN OFF. ALL OTHER WIRING TO DETECTORS BY ELEC. CONTR. MOUNTING BY T.C. CONTR.

TEMPERATURE CONTROL LEGEND
- MAIN AIR LINE
- CONTROLLED AIR LINE
- ELECTRICAL LINE
- ELECTRICAL LINE

ALL MODEL NUMBERS LISTED IN DIAGRAMS ABOVE ARE JOHNSON SERVICE CO.

TEMPERATURE CONTROL DIAGRAMS

N.T.S.

CONVECTOR SCHEDULE				
KEY	SIZE	CAP.	TYPE	NOTES
A	36x24x4	2.9	F.R.	RECESS 4"
B	20x20x4	1.4	"	
C	48x24x8	8.5	P.R.	RECESS 3 13/16
D	24x20x4	1.8	F.R.	RECESS 4"

RADIATION SCHEDULE					
KEY	SIZE	TYPE	HEATING CAPACITY	ROWS	NOTES:
A	EN-23	SILL-LINE	2,000/FT.	2	1¼" (4¼x4¼)
B	CN-35	"	1760/FT.	1	1¼" (4¼x3⅞)
C	CN-23	"	2070/FT.	2	1¼" (4¼x4¼)
D	AN-11	"	1040/FT.	1	1" (3¼x2⅞)
E	AN-11	"			ENCLOSURE ONLY
F					

HEATING & VENTILATING - FLOOR PLANS & DETAILS

ADDITION & ALTERATIONS
SHELTER ROCK ELEMENTARY SCHOOL
DANBURY, CONN.

FRANK A. LaCAVA
ARCHITECT
DANBURY, CONN.

STATE OF CONNECTICUT — JEROLD F. MUELLER — 2874 — REGISTERED PROFESSIONAL ENGINEER

SCALE AS SHOWN		DATE 4-3-72
REVISIONS		DWG. No. HV-2