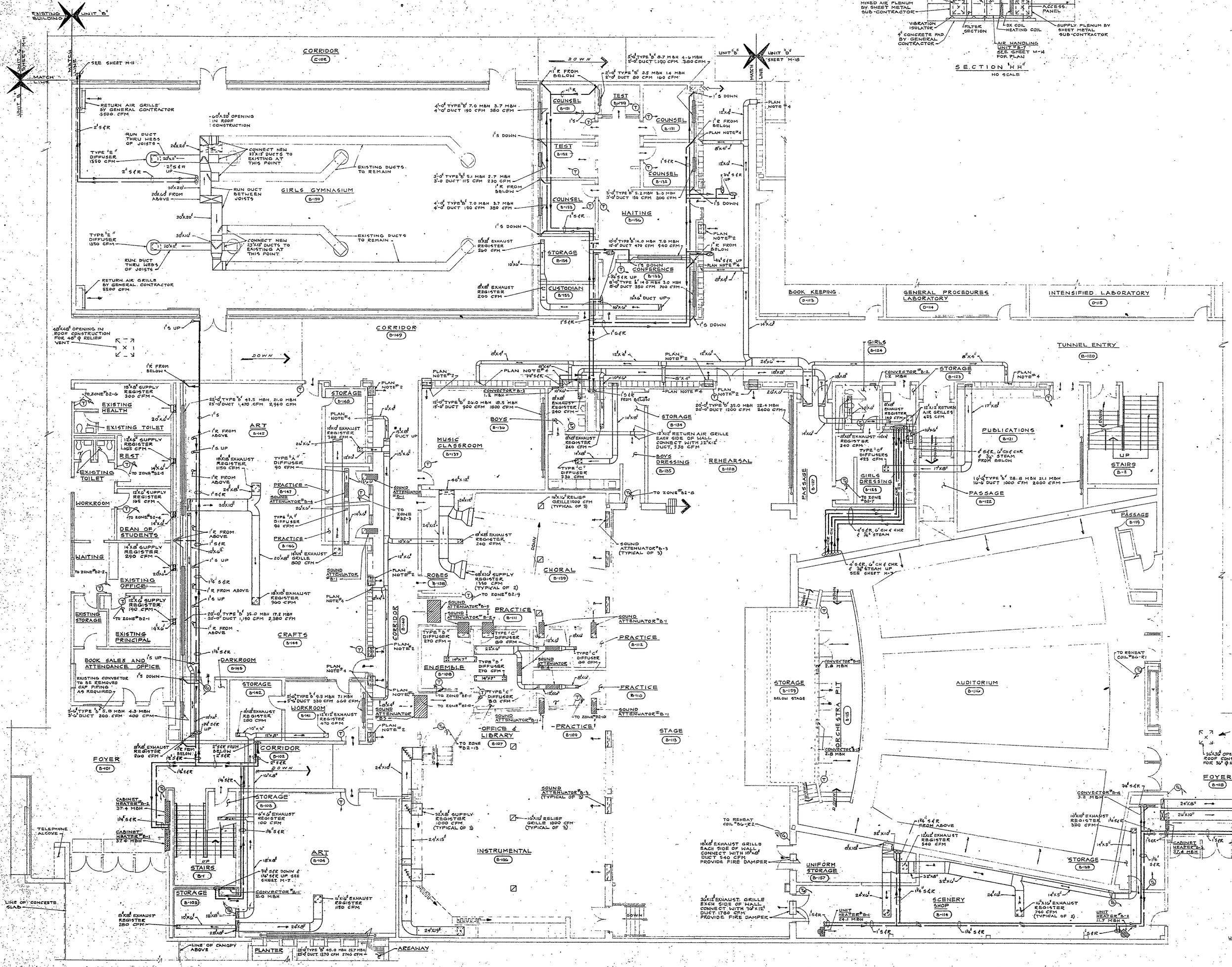
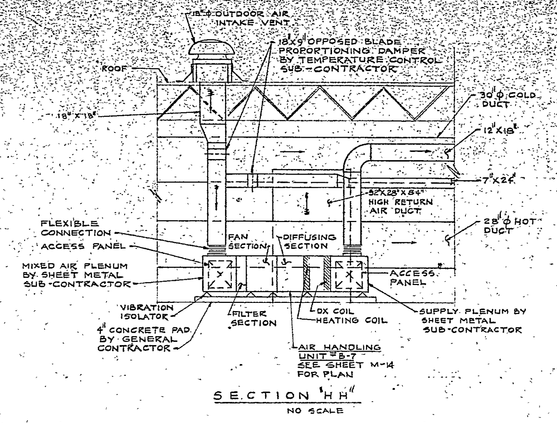


UNIT B HEATING VENTILATING AIR CONDITIONING FLOOR PLAN

SCALE 1/8" = 1'-0"



SECTION "H H"

NO SCALE

PLAN NOTES

1. SEE SHEET M-2 FOR GENERAL MECHANICAL NOTES AND LEGENDS. SEE SPECIFICATIONS FOR STANDARD DETAILS.
2. 24"x10" RETURN AIR GRILLE & 24"x10" DUCT DOWN TO TUNNEL & UP TO CEILING PLENUM 1000 CFM.
3. ALL SIDEWALL SUPPLY AIR REGISTERS SHALL BE LOCATED 12" DOWN FROM FINISHED CEILING TO TOP OF REGISTERS.
4. STUB DUCT INTO SPACE ABOVE LOCKERS.
5. SEE SHEET M-2 FOR CONVECTOR CABINET HEATER AND DIFFUSER SCHEDULE.

UNIT HEATER SCHEDULE

NO.	ROOM SERVED	NESBITT MODEL NUMBER	TYPE AND ARRANGEMENT	M.B.H.	FAN SPEED R.P.M.	WATER ENTR. G.P.M.	POWER CIRCUIT	C.F.M. STANDARD AIR	SEE NOTE
A-1	A-130	10J22	HORIZONTAL PROPELLER	19.2	1160	1.0	214-21	445	1,2
B-1	B-114	10J11	HORIZONTAL PROPELLER	24.1	1160	3.0	216-19	425	1,2
B-2	B-114	9J11	HORIZONTAL PROPELLER	11.7	1160	1.5	216-19	240	1,2
B-3	B-301	16J21	HORIZONTAL PROPELLER	67.1	1160	2.5	223-38	1340	1,2
B-4	B-202	10J11	HORIZONTAL PROPELLER	24.1	1160	3.0	223-17	425	1,2
B-5	B-1	16J22	HORIZONTAL PROPELLER	452	1160	2.0	212-25	1050	1,2
C-1	C-211	12J22	HORIZONTAL PROPELLER	37.2	1160	—	227-8	725	2,3
C-2	C-211	12J22	HORIZONTAL PROPELLER	37.2	1160	—	227-8	725	2,3
C-3	C-191	18J20	HORIZONTAL PROPELLER	104.0	1160	—		1589	2,3
C-4	C-191	16J21	HORIZONTAL PROPELLER	86.7	1160	—		1310	2,3
D-1	D-101	12J22	HORIZONTAL PROPELLER	41.6	1160	6.0	211-24	725	1,2
D-2	D-101	12J22	HORIZONTAL PROPELLER	41.6	1160	6.0	211-24	725	1,2

NOTES:

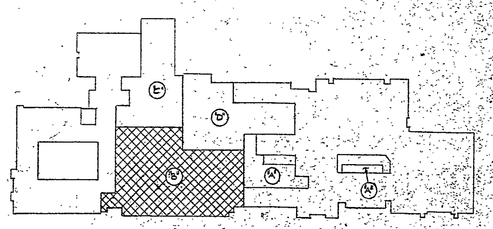
1. HEATING CAPACITIES ARE BASED ON 70°F ENTERING AIR, AND 210°F ENTERING WATER, LOW SPEED OPERATION. FINAL AIR TEMPERATURE SHALL BE 110°F TO 150°F.
2. MOTORS SHALL BE MULTI-SPEED, 120 VOLT, 1 PHASE, 60 CYCLE.
3. CAPACITIES ARE BASED ON 2 PSI STEAM.

UNIT "B" SOUND ATTENUATOR SCHEDULE

NO.	TYPE	INDUSTRIAL ACOUSTICS MODEL NUMBER	QUANTITY	GRILLE SIZE	DUCT SIZE	C.F.M.	MAXIMUM S/R DROP	SEE NOTE
B-1	S	# 414 QUIET VENT	6	16"x6"	16"x3½"	80	.05	1
B-2	S	# 430 QUIET VENT	2	30"x6"	30"x3½"	270	.05	2
B-3	S	# 842 QUIET VENT	6	42"x10"	42"x7½"	1,500	.10	3
B-4	S	3 S QUIET DUCT	4	—	16"x6"	160	.05	1
B-5	S	3 S QUIET DUCT	2	—	60"x12"	3,300	.12	2
B-6	S	3 S QUIET DUCT	1	—	72"x108"	22,300	.10	3
B-7	S	5 S QUIET DUCT	1	—	84"x120"	27,000	.33	3,1
B-8	S	5 S QUIET DUCT	1	—	72"x132"	35,000	.13	3

NOTES:

1. EXTEND & ADAPT DUCT NECK CONNECTION TO DUCT SIZE AS REQUIRED.
2. NO DUCT REQUIRED - SEAL UNIT TO PLASTER WALL.
3. NO DUCT REQUIRED - SEAL UNIT TO SHEET METAL HOUSING.



FIRST FLOOR UNIT "B" KEY PLAN

NO SCALE

JOB NO. 169-A 7-69

EVERETT I. BROWN COMPANY -- ARCHITECTS & ENGINEERS

5500 BRADBURY AVENUE — PARK FLETCHER

INDIANAPOLIS — INDIANA

SHEET M-5 OF 58

ADDITION TO CHESTERTON HIGH SCHOOL