AIR HANDLING UNIT SCHEDULE

NO.	AREA SERVED	TYPE	TRANE MODEL NUMBER	C.F.M. STANDARD AIR	MAXIMUM FAN OUTLET VELOCITY F.P.M.	MINIMUM EXTERNAL STATIC PRESSURE IN WATER COLUMN	MINIMUM FAN MOTOR H.P.	MINIMUM PERCENT OF OUTDOOR AIR	SEE NOTE
1	PRIMARY AIR	AIR CONDITIONING	AF 39 DW	39,400	3000	2.25"	75	25%	1,2,3,4
2	PRIMARY AIR	AIR CONDITIONING	AF 36 DW	36,200	3000	2.25"	75	25%	1,2,3,4
3	PHYSICAL EDUCATION	HEATING & VENTILATING	F1	10,500	2000	2.0"	10	25%	1,2,3

NOTES:

1. ALL EQUIPMENT SHALL BE SELECTED IN STRICT ACCORDANCE WITH THE MAXIMUM AND MINIMUM QUANTITIES SHOWN.
2. UNIT SHALL HAVE BLOW-THRU ARRANGEMENT.
3. MOTOR DATA: 460 VOLTS, 3 PHASE, 60 CYCLE.
4. FAN SHALL HAVE INLET VANE DAMPERS WITH MANUAL CONTROLLER.

AIR HANDLING UNIT HEATING COIL SCHEDULE

NO.	C.F.M. STANDARD	TOTAL LOAD BTU	ENTERING AIR DRY BULB °F	LEAVING AIR DRY BULB °F	WATER MAXIMUM G.P.M.	WATER MAXIMUM PRESSURE DROP (FT.)	MAXIMUM FACE VELOCITY F.P.M.	MINIMUM FINS PER INCH	MINIMUM NUMBER OF ROWS	SEE NOTE
1	39,400	885,000	50	70	43.0	1.0	650	8	1	1,2,3,4
2	36,200	780,000	50	70	39.0	1.0	600	8	1	1,2,3,4
3	10,500	685,000	50	110	34.0	1.0	600	8	2	1,2,3

NOTES:

1. CAPACITIES ARE BASED ON -10°F OUTDOOR AIR, 70°F ROOM AIR & 210°F ENTERING WATER.
2. ALL EQUIPMENT SHALL BE SELECTED IN STRICT ACCORDANCE WITH THE MAXIMUM & MINIMUM QUANTITIES SHOWN.
3. STANDARD SERPENTINE COIL.
4. (1) 120"x42" COIL & (1) 120"x36" COIL.

SOUND ATTENUATOR SCHEDULE

NO.	STYLE	INDUSTRIAL MODEL NUMBER	ACOUSTICS MODEL NUMBER	QTY.	SIZE	DUCT SIZE	C.F.M.	MAXIMUM S.P. DROP	SEE NOTE
1	QUIET DUCT		55	1	132"x40"	———	39,400	.25	1
2	QUIET DUCT		55	1	132"x40"	———	36,200	.18	1

NOTES:

1. SEAL UNIT TO FAN HOUSING & DUCT WORK AS REQUIRED.

AIR HANDLING UNIT COOLING COIL SCHEDULE

NO.	CFM STANDARD AIR	TOTAL LOAD BTU	ENTERING AIR DRY BULB °F	ENTERING AIR WET BULB °F	LEAVING AIR DRY BULB °F	LEAVING AIR WET BULB °F	WATER MAXIMUM G.P.M.	WATER MAXIMUM PRESSURE DROP IN FEET	MAXIMUM FACE VELOCITY F.P.M.	MINIMUM NUMBER OF ROWS	MINIMUM FINS PER INCH	SEE NOTE
1	39,400	1,670,000	81.5	67.5	55.0	54.0	334	15.0	450	8	8	1,2,3,4
2	36,200	1,380,000	81.5	67.5	57.0	56.0	260	10.0	400	8	8	1,2,3,4

NOTES:

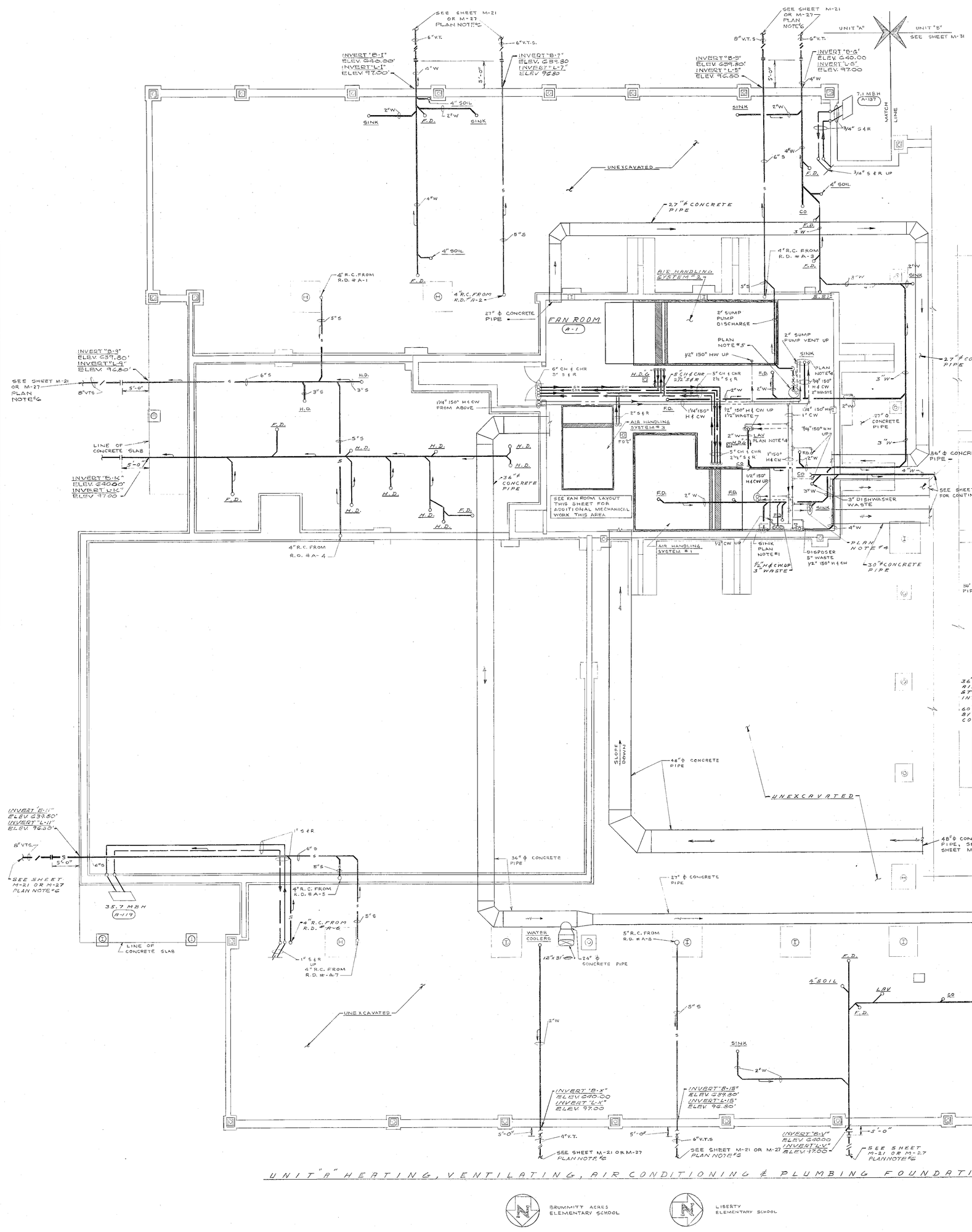
1. CAPACITIES ARE BASED ON 42°F ENTERING WATER.
2. ALL EQUIPMENT SHALL BE SELECTED IN STRICT ACCORDANCE WITH THE MAXIMUM AND MINIMUM QUANTITIES SHOWN.
3. DOUBLE SERPENTINE COIL.
4. (1) 120"x42" COIL & (1) 120"x36" COIL.

PLAN NOTES

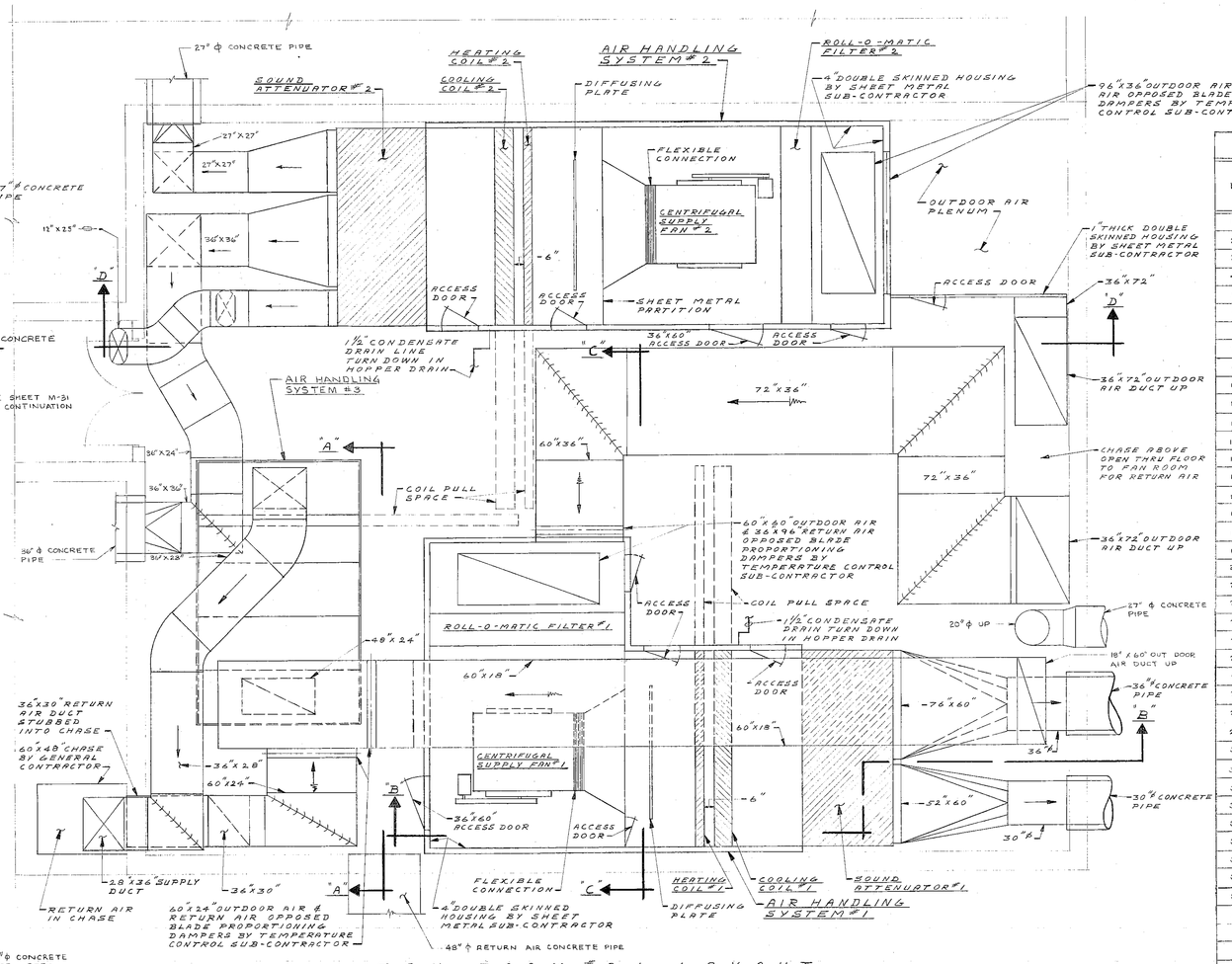
1. ALL SHEET METAL DUCTS BELOW FLOOR SLABS SHALL BE ENCASED IN 6" OF CONCRETE.
2. SEE SHEET M-29 FOR AIR HANDLING UNIT SECTIONS.
3. SEE SHEET M-1 FOR GENERAL MECHANICAL NOTES. SEE SPECIFICATIONS FOR STANDARD DETAILS.
4. 1½" 150° H&CW UP, 2" WASTE FROM ABOVE.
5. SUMP PUMP "A-1" - CHICAGO PUMP COMPANY "TYPE LL" DUPLEX INSTALLATION MODEL LA-2, OR AN APPROVED EQUAL, 40 GPM AT 20 FEET OF HEAD EACH. MOTOR DATA: ½ HP., 1720 R.P.M., 208 VOLT, 3 PHASE, 60 CYCLE. PROVIDE 36"x48"x48" DEEP CAST IRON BASIN WITH GAS TIGHT COVER. PROVIDE GATE & CHECK VALVES IN HORIZONTAL DISCHARGE LINE.
6. ALL MINOR DUCTWORK SHOWN FROM A POINT 5'-0" OUTSIDE OF FOUNDATION WALLS INCLUDING CONNECTIONS TO DIFFUSERS SHALL BE DONE BY MECHANICAL CONTRACTOR AND SHALL BE INCLUDED IN HIS WORK AS PART OF HIS LUMP SUM BID.
7. ALL MINOR DUCTWORK BEGINNING WITH "B" DRAWN TO SCALE AND THOSE BEGINNING WITH "L" DRAWN TO LIBERTY.

FILTER SCHEDULE

AIR HANDLING UNIT NUMBER	C.F.M.	AMERICAN AIR FILTER MODEL NUMBER	DIMENSIONS WIDTH	DIMENSIONS HEIGHT	TYPE	SEE NOTES
1	39,400	84-11	132"	100"	ROLLOMATIC	——
2	36,200	84-11	132"	100"	ROLLOMATIC	——



UNIT "A" HEATING, VENTILATING, AIR CONDITIONING & PLUMBING FOUNDATION PLAN
SCALE: 1/8"=1'-0"



FAN ROOM "A-1" LAYOUT
SCALE: 1/4"=1'-0"

BRUMMITT ACRES ELEMENTARY SCHOOL

LIBERTY ELEMENTARY SCHOOL

NOTES:
1. ALL ACCESS DOORS IN BUILT-UP SYSTEMS SHALL BE 24"x60" UNLESS OTHERWISE NOTED.

HIGH PRESSURE REHEAT BOX SCHEDULE

NO.	KRUEGER MODEL NUMBER	AREA SERVED	C.F.M.	MINIMUM INLET STATIC PRESSURE	COIL DATA M.B.H.	COIL DATA G.P.M.	SEE NOTE
1	CVM-R-10	A-101, A-106	930	1.0"	24.9	1.4	1
2	CVM-R-8	A-103, A-104	690	1.0"	18.7	1.0	1
3	CVM-R-7	A-108	530	0.5"	14.9	1.0	1
4	CVM-R-10	A-109, A-110, A-111	1040	1.0"	28.2	1.4	1
5	CVM-HR-1610 B	A-112, A-113	2090	1.2"	56.8	2.8	1
6	CVM-HR-1610 A	A-116	1250	1.2"	34.3	1.6	1
7	CVM-R-10	A-117	970	1.0"	24.3	1.3	1
8	CVM-HR-1614	A-120	2640	1.5"	72.5	3.6	1
9	CVM-HR-1614	A-120	2667	1.5"	72.5	3.6	1
10	CVM-R-8	A-125	450	0.9	17.7	1.0	1
11	CVM-HR-1614	A-132	2450	1.5"	66.6	3.3	1
12	CVM-HR-1610 B	A-135	2275	1.4"	62.5	3.1	1
13	CVM-HR-1610 B	A-139	2300	1.4"	62.5	3.1	1
14	CVM-HR-2014	B-123	4000	2.25"	108.5	5.4	1
15	CVM-HR-2014	B-123	4000	2.25"	108.5	5.4	1
16	CVM-R-5	B-124, B-125	290	0.9"	7.9	0.4	1
17	CVM-R-10	B-126, B-127	1120	1.0"	30.4	1.5	1
18	CVM-R-8	B-132, B-133	490	0.0"	13.7	1.0	1
19	CVM-R-8	B-134, B-135	735	0.9"	20.0	1.0	1
20	CVM-HR-1614	LEARNING B 101	2430	1.5"	65.8	3.3	1
21	CVM-HR-1614	LEARNING B 101	2430	1.5"	65.8	3.3	1
22	CVM-HR-1614	LEARNING B 101	2430	1.5"	65.8	3.3	1
23	CVM-R-10	WORK ROOM B 102	1100	0.8	29.9	1.5	1
24	CVM-HR-1614	LEARNING B 107	2430	1.5"	65.8	3.3	1
25	CVM-HR-1614	LEARNING B 107	2430	1.5"	65.8	3.3	1
26	CVM-HR-1614	LEARNING B 107	2430	1.5"	65.8	3.3	1
27	CVM-HR-1614	LEARNING B 108	2560	1.5"	69.4	3.5	1
28	CVM-HR-1614	LEARNING B 108	2560	1.5"	69.4	3.5	1
29	CVM-HR-1614	LEARNING B 108	2560	1.5"	69.4	3.5	1
30	CVM-R-10	WORK ROOM B 109	1100	0.9"	29.9	1.5	1
31	CVM-HR-1614	LEARNING B 114	2500	1.5"	67.8	3.4	1
32	CVM-HR-1614	LEARNING B 114	2500	1.5"	67.8	3.4	1
33	CVM-HR-1614	LEARNING B 114	2500	1.5"	67.8	3.4	1
34	CVM-HR-1614	LEARNING B 115	2160	1.5"	58.5	2.9	1
35	CVM-HR-1614	LEARNING B 115	2160	1.5"	58.5	2.9	1
36	CVM-HR-1614	LEARNING B 115	2160	1.5"	58.5	2.9	1
37	CVM-HR-1614 A	ENTRY B-120	1575	1.25"	42.7	2.1	1
38	CVM-R-8	WORK ROOM B-121	575	.9"	15.6	0.8	1
39	CVM-HR-1610 A	A-130	2467	1.5"	72.5	3.6	1

NOTES:
1. REHEAT COILS SELECTED ON 210° ENTERING WATER AND 20° WATER TEMPERATURE DROP.

KEY PLAN

BRUMMITT ACRES ELEMENTARY SCHOOL

LIBERTY ELEMENTARY SCHOOL

JOB NO. 169 7-1969

EVERETT I. BROWN COMPANY -- ARCHITECTS & ENGINEERS
5500 BRADBURY AVENUE —— PARK FLETCHER
INDIANAPOLIS INDIANA

LIBERTY AND BRUMMITT ACRES ELEMENTARY SCHOOLS