SYMBOLS

SYMBOL	ABBREV.	NAME
—HS—	HS	Heating Supply (Hot Water)
—HR—	HR	Heating Return (Hot Water)
S or W		Soil or Waste
V,SV or RV		Vent, Sub Vent or Relief Vent
SW or RL		Storm Water or Rain Leader
CW		Cold Water
HW		Hot Water
HWR		Hot Water Recirculating
G		Gas
DT		Drain Tile
CS		Condenser Water Supply
CR		Condenser Water Return
CH		Chilled Water Supply
CHR		Chilled Water Return
D		Drain
CO		Cleanout (Looking up or straight)
GV		Gate Valve
GLV		Globe Valve
		Three-way Valve
CK V		Check Valve
BF		Balancing Fitting
AV		Air Vent
		Union
		Strainer
FD, RD, AD or SD		Floor, Roof, Area or Shower Drain
WC		Water Closet
LAV.		Lavatory
SS		Service Sink
DF		Drinking Fountain
SH.		Shower
WH		Wall Hydrant
UH		Unit Heater
UV		Unit Ventilator
FTR		Finned Tube Radiation
		Thermostat
		Supply Outlet
		Return Outlet
		Supply Duct
		Return Duct
		Flexible Connection
	VD	Volume Damper
		Elevations
	RV	Roof Ventilator
		Existing Grade
		New Grade
	MH	Manhole
	SB	Sleeve Beam
	FE	Fire extinguisher
		Sprinkler Head
		Pressure Gauge
		Motor Operated Valve
		Gas Cock

PLUMBING CONNECTION SCHEDULE

NAME OF FIXTURE	H.W.	C.W.	WASTE
Water Closet	—	1"	4"
Lavatory	½"	½"	1½"
Service Sink	½"	½"	3"
Sink	½"	½"	1½"
Shower	½"	½"	2"
Drinking Fountain	—	½"	1½"
Wall Hydrant	—	¾"	—
Hose Bibb	—	¾"	—

PLUMBING NOTES

① Unless otherwise noted all piping is overhead.

② Elevations noted are center line of pipes for all pressure lines and to inverts for all gravity flow piping.

③ Floor drains discharging into the sanity sewer shall have a water supply from an automatic priming valve.

④ Unless otherwise indicated run all piping high as possible.

⑤ All fire extinguisher cabinets shall be mounted with trim flush with plaster.

⑥ All drain tile shall be located at top of footings.

SCHEDULE OF CONNECTIONS TO RADIATION

M.B.H.	SIZE
0-12	½"
12-35	¾"
35-80	1"
80-200	1¼"
200-400	2"
400+	2½"

HEATING & VENTILATING NOTES

① Unless otherwise indicated all piping is overhead.

② Elevations noted are to centerline of pipes.

③ Unless otherwise noted all ductwork is overhead.

④ Unless otherwise noted all outlets in ductwork shall be registers.

⑤ Height of finned tube radiation adjacent to wind-o-line radiation shall be determined on the height of the supply piping. Elsewhere it shall be kept hard against underside of window stool.

⑥ Piping along exterior wall is run at rear of storage cabinets or in radiation enclosures.

⑦ Unless otherwise indicated all return & exh. registers are type a

⑧ Fixed louvers shown in exterior walls are provided under another division of this contract.

⑨ Unless otherwise indicated all convectors are type B

⑩ All relief air grilles shall be Agitair model O.H. close fin spacing.

EXHAUST FAN SCHEDULE

FAN No.	ROOM No.	SERVICE	TYPE	SIZE	MIN. C.F.M.	I.B.	W.B.
		LOWER LEVEL					
1	A-14	Locker Room	a	1-30 A/N	10,400	1/8"	3
2	Roof over A-9	Boiler Room	b	183 CR	2300	1/8"	1/3
3	A-5	Transformer Room	c	4'X16	2300	1/8"	1/3
4 (27)	C-1 & C-101	Storage Room	c	4'X16	2000	1/4"	1/2
		MAIN LEVEL					
5	Ceiling space A-104	Toilet A 104	f	1-H	250	1/8"	1/8
6	Ceiling space over A-107	Supply to AC Units	a	390 AT	640	1/4"	1/4
7	A 201	Speakers Rm A 107	f	1-M	200	1/4"	1/20
8	Roof over A-117	Toilet A 117	b	71 CR	150	1/8"	1/25
9	Roof over A-122	Toilet A 122 & 123	b	98 CR	450	1/8"	1/12
10	Roof over A-126	Toilet A 126	b	71 CR	130	1/4"	1/25
11	Roof over A-132	Toilet A 132	b	71 CR	150	1/8"	1/25
12	Roof over A-143	Toilet A 143	b	71 CR	150	1/8"	1/25
13	Roof over B-116	Toilet B 108	b	71 CR	100	1/4"	1/25
14	B-209	Kitchen Hoods	e	WS-222	4500	3/8"	1
15	Roof over B-130	Offices B-130 Waters Training B-128	b	80 CR	450	1/4"	1/15
16	Roof over B-132	Toilet B 132	b	70 CR	290	1/8"	1/25
17	Roof over B-116	Toilet B 116 & B 117	b	91 CR	600	1/4"	1/2
18	Roof over B-122	Storage B-122	b	60 CR	350	1/8"	1/15
19	Roof over B-127	Storage B-127	b	70 CR	250	1/8"	1/25
20	Roof over B-203	Toilet C-101, C-109, C-110, C-200	b	100 CR	1200	1/4"	1/3
21	Roof over C-73	Toilet C-3, C-5, C-73	b	100 CR	1300	1/4"	1/3
22	Roof over C-73	Fume Hood	d	1/2-H	850	1/4"	1/3
		UPPER LEVEL					
23	Roof over B-206	Food C-206	b	183 CR	2300	1/8"	1/3
24	Roof over B-202	Toilets B-201, B-202 & B-203 A	b	70 CR	250	1/8"	1/25
25	Roof over B-207	Toilet B-207	b	91 CR	600	1/4"	1/8
26	Space above kitchen c/g.	Machine Rm. B-209	c	2X22	3000	1/4"	3/4
28	Roof over B-143	Console Room	b	71 CR	150	1/8"	1/25

PUMP SCHEDULE

SYS. No.	SERVICE	G.P.M.	HEAD IN FEET	MIN. H.P.	PUMP No.
1" W.	Domestic H.W.	20	10	1/6	A-7
2"	Gas Water Htr.	20	10	1/6	A-2
PD-35	Coil of H.W. Gen.	85	16	1/2	A-3
4 DB	Upper School Htg.	325	30	1.5	A-4
4 DB	Lower School Htg.	325	30	1.5	A-5
1½ DB	Temporary Connect	16	55	1½	A-6
1½"	Condenser Water	60	60	1½	A-7
1½"	Chilled Water	60	60	1½	A-8

NOTE: All pump motors 1750 rpm.

AIR CONDITIONING UNIT SCHEDULE FOR ADMINISTRATION AREA

MARK	AIR QUANTITY C.F.M.	ENT. AIR CONDITION D.B. °F.	ENT. AIR CONDITION W.B. °F.	SENSIBLE COOLING B.T.U.	TOTAL COOLING B.T.U.	H.P.	FAN R.P.M.
A1	390	77.0	64.2	8,000	10,150	1/8	600
A2	490	78.25	65.3	9,375	13,400	1/4	750
A3	750	76.0	63.3	13,400	13,500	1/8	060
A4	830	76.0	63.1	13,500	22,000	1/4	800
A5	1030	77.0	64.2	18,500	24,000	1/4	800
A6	1350	76.5	63.6	27,500	34,600	1/3	1050

CAPACITIES ARE BASED ON:
1. Standard Air.
2. 45° entering water to coil.
3. Approximately 8° water temperature rise.

NOTES
1. R-ducts to units A1 thru A4 - 3/4"
2. R-ducts to units A5 & A6 - 1"

Carnation Replaced Pan Coil

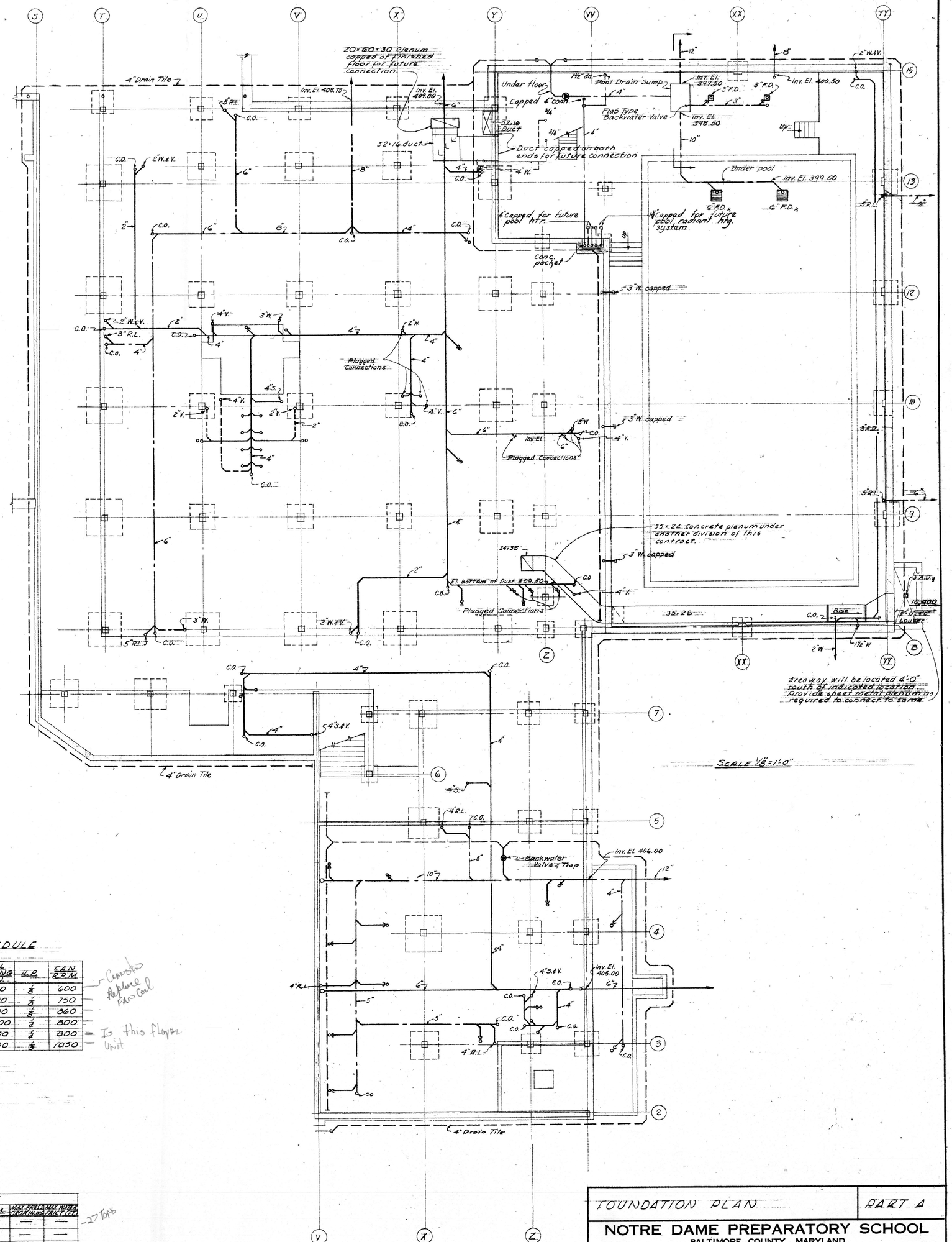
Is this Flopz Unit

AIR HANDLING UNIT SCHEDULE

UNIT No.	ROOM No.	SERVICE	TYPE	UNIT C.F.M.	MIN O.A. %	T.S. R.P. IN INCHES	H.P.	HEATING CAPACITY C.F.M.	ENTERING AIR TEMP.	LEAVING AIR TEMP.	WIND FACE VEL.	ROWS DEEP	FIN PER INCH	HOT WATER GPM	WATER PRESSURE DROP IN FEET	COOLING CAPACITY C.F.M.	ENTERING AIR D.B.	ENTERING AIR W.B.	LEAVING AIR D.B.	LEAVING AIR W.B.	WIND FACE VEL.	GPM	HEAT EXCHANGE SURFACE IN SQ. FT.	WATER PRESSURE DROP IN FEET
H.V.1	A 129	Gymnasium	b	11000	14.3	0.24	3	11000	60°	73°	21.9	2.8	10	2.07	1.0	—	—	—	—	—	—	—	—	—
H.V.2.	A 201	Locker Room	a	10000	100.0	0.75	3	10000	0°	75°	21.9	40.3	10	0.12	2.0	—	—	—	—	—	—	—	—	—
A 7 *	B 212	Chapel	a	7900	15.7	1.30	5	7900	59°	77°	13.9	2.8	10	0.07	1.0	7900	78.2	63.7	55.0	53.0	13.9	32.0	0.32	5.0
A 8 *	B 209	Dining Room	b	13365	46.0	1.25	10	13365	60°	86.2°	13.9	33.1	10	0.33	5.0	13365	84.5	69.0	52.5	51.3	21.8	143.0	1.03	10.0

NOTE: 1. External static pressure includes filter.
* 2. For A-1 to A-6 see A.C.U. schedule for Administrative Area.

→ 27 Rows



FOUNDATION PLAN — PART A

NOTRE DAME PREPARATORY SCHOOL

BALTIMORE COUNTY, MARYLAND

UPPER SCHOOL

FOR THE

SCHOOL SISTERS OF NOTRE DAME

TAYLOR AND FISHER, ARCHITECTS
D. K. ESTE FISHER, JR., F.A.I.A. - WARREN A. BOWERSOCK, A.I.A.
130 W. HAMILTON ST., BALTIMORE 1, MD.
VAN RENSSELAER P. SAXE - STRUCTURAL ENGINEER
HENRY ADAMS, INC. - MECHANICAL ENGINEERS
MARTIN FUNNELL - LANDSCAPE ARCHITECT

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