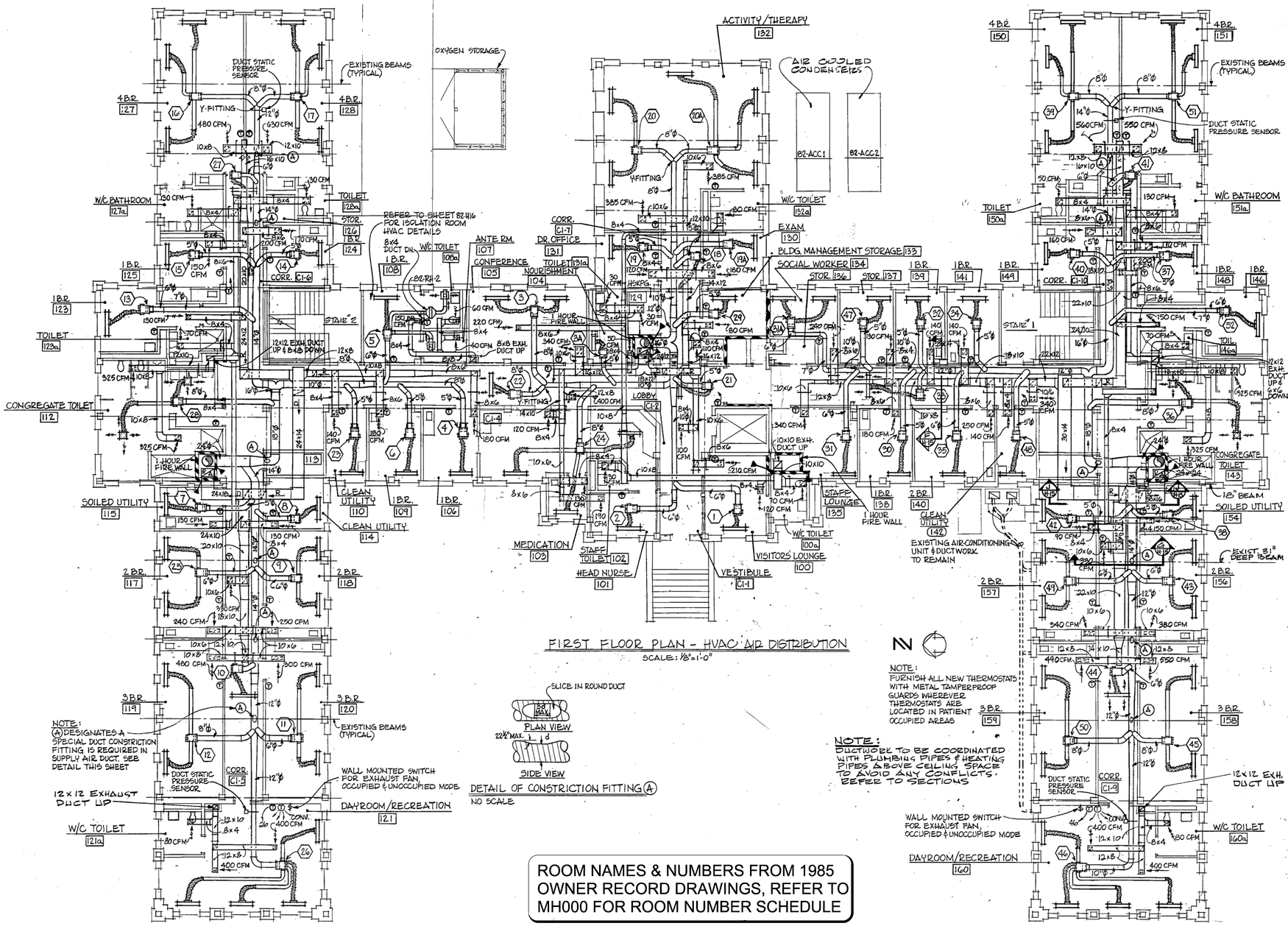

FIRST FLOOR PLAN - HVAC AIR DISTRIBUTION

SCALE: 1/8"=1'-0"

ROOM AIR QUANTITIES - DIFFUSERS, REGISTERS & GRILL SIZES

ROOM NO.	ROOM NAME	SUPPLY AIR CFM MAX/MIN	DIFFUSER NECK SIZE	RETURN MAX/MIN.	RETURN REG. SIZE	EXHAUST AIR CFM.	EXH. GR. SIZE	PRESSURE
100	VISITORS LOUNGE	360/360	S.D.	210/210	12x8	120	10x6	N
100a	W/C TOILET	—	—	—	—	70	6x6	N
101	HEAD NURSE	190/190	S.D.	190/190	10x8	—	—	E
102	STAFF TOILET	—	—	—	—	30	6x6	N
103	MEDICATION	130/130	S.D.	130/130	12x6	—	—	E
104	NOURISHMENT	50/0	S.D.	50/0	6x6	—	—	E
105	CONFERENCE	510/210	S.D.	340/0	16x10	220	12x8	N
106	1 B.R.	180/0	S.D.	180/0	10x8	—	—	E
107	ANTE RM.	30/30	4"ϕ	—	—	40 OR 20	6x6	N OR P
108	1 B.R.	140/140	S.D.	—	—	150 OR 130	12x6	N OR P
108a	W/C TOILET	50/50	4"ϕ	—	—	60 OR 40	6x6	N OR P
109	1 B.R.	180/0	S.D.	180/0	10x8	—	—	E
110	CLEAN UTILITY	140/0	S.D.	140/0	12x6	—	—	E
111	ELEC.	—	—	—	—	—	—	—
112	CONG. TOILET	480/480	2-8"ϕ	—	—	650	2-12x12	N
113	W/C STOR.	—	—	—	—	—	—	—
114	CLEAN LINEN	140/10	S.D.	130/0	12x6	—	—	P
115	SOILED UTILITY	120/120	S.D.	—	—	130	12x6	N
117	2 B.R.	240/0	S.D.	240/0	12x8	—	—	E
118	2 B.R.	250/0	S.D.	250/0	12x8	—	—	E
119	3 B.R.	480/0	S.D.	480/0	16x14	—	—	E
120	3 B.R.	300/0	S.D.	300/0	14x10	—	—	E
121	DAYROOM/RECREATION	1070/860	S.D.	—	—	800	2-14x12	P/N
121a	W/C TOILET	—	—	—	—	80	6x6	N
123	1 B.R.	200/60	S.D.	130/0	12x6	—	—	E
123a	TOILET	—	—	—	—	70	6x6	N
124	1 B.R.	170/0	S.D.	170/0	10x8	—	—	E
125	1 B.R.	150/0	S.D.	150/0	12x6	—	—	E
126	STOR.	—	—	—	—	—	—	—
127	4 B.R.	610/120	S.D.	480/0	16x14	—	—	E
127a	W/C BATHROOM	—	—	—	—	130	12x6	N
128	4 B.R.	680/120	S.D.	630/0	24x24	—	—	E
128a	TOILET	—	—	—	—	30	6x6	N
129	HOUSEKEEPING	—	—	—	—	30	6x6	N
130	EXAM	180/0	S.D.	180/0	10x8	—	—	E
131	DR. OFFICE	150/20	S.D.	120/0	12x6	—	—	E
131a	TOILET	—	—	—	—	30	6x6	N
132	ACTIVITY/THERAPY	850/70	S.D.	770/0	2-12x12	—	—	E
132a	W/C TOILET	—	—	—	—	80	8x6	N
133	BLDG. MANAGEMENT	80/0	S.D.	80/0	8x6	—	—	E
134	SOCIAL WORKER	240/0	S.D.	240/0	12x6	—	—	E
135	STAFF LOUNGE	340/0	S.D.	340/0	16x10	—	—	E
136	STOR.	—	—	—	—	—	—	—
137	EQUIP. STOR.	130/130	S.D.	130/130	12x6	—	—	E
138	1 B.R.	180/0	S.D.	180/0	10x8	—	—	E
139	1 B.R.	140/0	S.D.	140/0	12x6	—	—	E
140	2 B.R.	250/0	S.D.	250/0	12x8	—	—	E
141	1 B.R.	140/0	S.D.	140/0	12x6	—	—	E
142	CLEAN UTILITY	140/0	S.D.	140/0	12x6	—	—	E
143	CONG. TOILET	550/530	2-8"ϕ	—	—	650	2-12x12	N
144	ELEC.	—	—	—	—	—	—	—
146	1 B.R.	220/60	S.D.	150/0	12x6	—	—	E
146a	TOILET	—	—	—	—	70	6x6	N
147	STOR.	—	—	—	—	—	—	—
148	1 B.R.	170/0	S.D.	170/0	10x8	—	—	E
149	1 B.R.	160/0	S.D.	160/0	10x8	—	—	E
150	4 B.R.	610/190	S.D.	560/150	16x16	—	—	E
150a	TOILET	—	—	—	—	50	6x6	N
151	4 B.R.	680/270	SD	550/150	16x16	—	—	E
151a	W/C BATHROOM	—	—	—	—	130	12x6	N
152	W/C STOR.	—	—	—	—	—	—	—
153	CLEAN LINEN	100/100	S.D.	90/90	8x6	—	—	P
154	SOILED UTILITY	140/140	S.D.	—	—	150	12x6	N
156	2 B.R.	380/150	S.D.	380/150	14x12	—	—	E
157	2 B.R.	340/150	S.D.	340/150	16x10	—	—	E
158	3 B.R.	550/150	S.D.	550/150	16x16	—	—	E
159	3 B.R.	490/150	S.D.	490/150	16x14	—	—	E
160	DAYROOM/RECREATION	1010/860	S.D.	—	—	800	2-14x12	P/N
160a	W/C TOILET	—	—	—	—	80	8x6	N
—	—	—	—	—	—	—	—	—
C1-2	LOBBY	100/100	S.D.	100/100	8x6	—	—	E
C1-3	CORRIDOR	400/400	S.D.	400/400	14x12	—	—	E
C1-4	NURSES STATION	410/410	S.D.	120/120	10x6	—	—	P
C1-5	CORRIDOR	330/330	S.D.	330/300	16x10	—	—	E
C1-6	CORRIDOR	200/200	S.D.	200/200	10x8	—	—	E
C1-7	CORRIDOR	110/110	S.D.	110/110	8x6	—	—	E
C1-8	CORRIDOR	340/340	S.D.	340/150	12x12	—	—	E
C1-9	CORRIDOR	330/200	S.D.	330/165	12x12	—	—	E
C1-10	CORRIDOR	200/150	S.D.	200/150	10x8	—	—	E
	TOTALS	17440/7990	—	12460/3255	—	4050	—	—

NOTES
1) S.D. 4'-0" SLOT DIFFUSER
2) E = EQUAL, P = POSITIVE, N = NEGATIVE

ROOM NAMES & NUMBERS FROM 1985 OWNER RECORD DRAWINGS, REFER TO MH000 FOR ROOM NUMBER SCHEDULE

EXISTING VAV BOXES: WHERE EXISTING PNUEMATIC CONTROLS AND THEMOSTATS REMAIN REPLACE WITH NEW DDC CONTROLS AND SENSORS. CONTRACTOR TO COORDINATE WITH OWNER FOR LOCATIONS. EC TO PROVIDE 120 V. POWER TO ALL NEW DDC CONTROLS AND SENSORS. CONNECT NO MORE THAN FIVE CONTROLS PER CIRCUIT. PROVIDE 20/1 CB, 2#12, #12G, 1/2"C. AS REQUIRED FROM NEAREST 208/120 V. PANEL.

ADD NEW PRESSURE PROBES:
AHU-1 CORRIDOR CEILING NEAR TLT RM 143
AHU-2 LOBBY C1-2 CEILING
AHU-3 CORRIDOR CEILING NEAR TLT. RM. 112
(COORDINATE LOATIONS WITH OWNER)

ADD NEW HUMIDISTATS:
AHU-1 DAYROOM 160
AHU-2 ACTIVITY/THERAPY 132
AHU-3 DAY ROOM/REC. RM. 121
COORDINATE LOCATIONS WITH OWNER

ISSUED FOR INFORMATION ONLY

100% DOCUMENTS	11/30/2011
Revisions	Date

URS
3950 SPARKS DRIVE SE
GRAND RAPIDS, MI
616-574-8500
PROJ. NO. 12942721
Architect

stamp

	DATE	ENGINEERING MANAGER	DATE
INFECTION CONTROL	DATE	CARELINE MANAGER	DATE
SAFETY OFFICER	DATE	CHIEF OF STAFF	DATE

Drawing Title: FIRST FLOOR PLAN HVAC

Project Title: FCA – REPLACE HVAC SYSTEM
PROJ. NO. 515-10-109
CONTRACT NO. VA251-P-0592

MEDICAL CENTER DIRECTOR DATE

ASSOCIATE MEDICAL CENTER DIRECTOR DATE

Building Number: 82 | Checked: CBD | Drawn: JAE

Location: V.A.M.C. BATTLE CREEK, MICHIGAN

Date: 11/30/2011

Station No.: 515

MH101

Office of Facilities
Department of Veterans Affairs