AIR HANDLING UNIT SCHEDULE

MARK	TYPE: SINGLE ZONE	TYPE: MULTI ZONE	TYPE: VAV	TYPE: CUSTOM	TYPE: MODULAR	MNFR: McQUAY	MNFR: I	MODEL SERIES	SUPPLY FAN: MAX. C.F.M.	SUPPLY FAN: MIN. C.F.M.	SUPPLY FAN: MIN. O.A. C.F.M.	SUPPLY FAN: TYPE	SUPPLY FAN: RPM	SUPPLY FAN: S.P. TOTAL IN. W.G.	SUPPLY FAN: S.P. EXTERNAL IN. W.G.	SUPPLY FAN: CLASS	MOTOR: H.P.	MOTOR: R.P.M.	COOLING COIL: TOTAL MBH CLG	COOLING COIL: MIN. FACE AREA SQ.FT.	COOLING COIL: E.A.T. d.b. °F	COOLING COIL: E.A.T. w.b. °F	COOLING COIL: L.A.T. d.b. °F	COOLING COIL: L.A.T. w.b. °F	COOLING COIL: G.P.M. AT 44°F E.W.T.	COOLING COIL: FRICTION IN. W.G. AIR	COOLING COIL: W.P.D. FT.	HEATING COIL: PRE-HEAT	HEATING COIL: RE-HEAT	HEATING COIL: TOTAL MBH HTG	HEATING COIL: MIN. FACE AREA SF.	HEATING COIL: E.A.T. °F	HEATING COIL: L.A.T. °F	HEATING COIL: G.P.M. AT 180 °F E.W.T.	HEATING COIL: AIR FRICTION IN. W.G.	HEATING COIL: W.P.D. FT.	MAX. OPER. WEIGHT (LBS)	SOUND POWER DATA RE 10 WATTS OCTAVE BAND CENTER FREQUENCY HZ: 63	125	250	500	1000	2000	4000	8000	NOTES
AHU-2	·	·	*	*	·	*	·	CAH031G	12,350	5,600	2,800	AF	1584	6.04	3.0	II	20	1750	511.9	28.9	80.90	66.10	52.8	52.3	104	0.59	7.1	*	·	139.6	27.5	42.0	65	7.0	0.01	0.1	5,700	87	86	92	87	79	73	66	52	1;2;3;4;

DEMOLITION

NOTES
1. SOUND POWER INDICATED AT SUPPLY OUTLET.
2. PROVIDE WITH MERV 7 PRE-FILTER, MERV 11 INTERMEDIATE FILTERS AND MERV 14 FINAL FILTERS.
3. MINIMUM FAN EFFICIENCY = 70%.
4. FAN SELECTION SHALL BE WITH FILTERS AVERAGE LOADING.

WATER CHILLER SCHEDULE

MARK	TYPE: RECIPROCATING	TYPE: CENTRIFUGAL	TYPE: ROTARY SCROLL	TYPE: ROTARY SCREW	TYPE: WATER COOLED	TYPE: AIR COOLED	MNFR: -	MNFR: McQUAY	MODEL NO.	CAPACITY: TONS	CAPACITY: FULL LOAD EFF. EER	CAPACITY: IPLV EER	CHILLED WATER: E.W.T °F	CHILLED WATER: L.W.T °F	CHILLED WATER: G.P.M.	CHILLED WATER: FOULING FACTOR	CHILLED WATER: MAX P.D. FT W.G.	CONDENSER WATER: E.W.T °F	CONDENSER WATER: L.W.T °F	CONDENSER WATER: G.P.M.	CONDENSER WATER: FOULING FACTOR	CONDENSER WATER: MAX. P.D. FT. W.G.	HEAT RECOVERY BUNDLE: E.W.T °F	HEAT RECOVERY BUNDLE: L.W.T °F	HEAT RECOVERY BUNDLE: G.P.M.	HEAT RECOVERY BUNDLE: MAX. P.D. FT. W.G.	NOTES	SOUND POWER DATA RE 10 WATTS OCTAVE BAND CENTER FREQUENCY HZ: 63	125	250	500	1000	2000	4000	8000
CH-2			*			*		*	AGZ160D	155.7	10.1	15.6	55	45	373.7	.00010	14.9	–	–	–	–	–	–	–	–	–	1: 2: 3:	69	71	69	67	64	61	60	58

NOTES
1. DUAL POINT ELECTRICAL CONNECTION.
2. HOT GAS BYPASS.
3. LOW AMBIENT PRESSURE CONTROL TO 17°F OR LOWER.

V.A.V. TERMINAL SCHEDULE

MARK	PRIMARY AIR: MAX. C.F.M.	PRIMARY AIR: MIN. C.F.M.	TYPE: CONSTANT VOLUME	TYPE: REHEAT	TYPE: DUAL DUCT	TYPE: SERIES FAN	TYPE: PARALLEL FAN	MNFR: ENVIRO-TEC	MNFR: PRICE	MODEL NO.	PRESSURE: DESIGN INLET STATIC IN. W.G.	PRESSURE: DESIGN DROP IN. W.G. MAX.	DUCT CONN.: INLET	DUCT CONN.: OUTLET	AIR HANDLING SYSTEM	HEATING COIL: HOT WATER	HEATING COIL: ELECTRIC	HEATING COIL: AIR TEMP. ENT./LVG.	HEATING COIL: CAP. MBH OR KW.	HEATING COIL: G.P.M.	HEATING COIL: PRESS. DROP FT. W.G.	HEATING COIL: WATER TEMP. ENT./LVG.	HEATING COIL: AIR FRICTION IN. W.G.	HEATING COIL: CONNECTIONS PIPE	FAN: C.F.M.	FAN: E.S.P. IN. W.G.	FAN: HP.	FAN: MAX. NOISE NC.	CONTROL SEQUENCE	NOTES
VAV-1	400	390		*					*	SDV5-7	1.0	0.11	7"ø	12X10	AHU-2	*		55/85	12.7	1.4	1.32	180/132	0.07	3/4						1;2;3;4;
VAV-2	560	390		*					*	SDV5-9	1.0	0.11	9"ø	14X12	AHU-2	*		55/85	12.7	0.8	0.8	180/149	0.1	3/4						1;2;3;4;
VAV-3	510	160		*					*	SDV5-7	1.0	0.17	7"ø	12X10	AHU-2	*		55/95	6.9	0.5	0.16	180/152	0.11	3/4						1;2;3;4;
VAV-4	810	240		*					*	SDV5-9	1.0	0.14	9"ø	14X12	AHU-2	*		55/90	9.1	0.6	0.36	180/150	0.13	3/4						1;2;3;4;
VAV-5	815	240		*					*	SDV5-9	1.0	0.14	9"ø	14X12	AHU-2	*		55/90	9.1	0.6	0.36	180/150	0.13	3/4						1;2;3;4;
VAV-6	790	235		*					*	SDV5-8	1.0	0.25	8"ø	12X10	AHU-2	*		55/90	8.9	0.7	0.32	180/153	0.24	3/4						1;2;3;4;
VAV-7	320	120		*					*	SDV5-5	1.0	0.09	5"ø	12X8	AHU-2	*		55/95	5.2	0.5	0.14	180/159	0.08	3/4						1;2;3;4;
VAV-8	320	320	*	*					*	SDV5-5	1.0	0.11	5"ø	12X8	AHU-2	*		55/90	12.1	1.9	1.86	180/167	0.1	3/4						1;2;3;4;
VAV-9	430	120		*					*	SDV5-7	1.0	0.13	7"ø	12X10	AHU-2	*		55/90	4.5	0.5	0.11	180/161	0.08	3/4						1;2;3;4;
VAV-10	560	165		*					*	SDV5-8	1.0	0.14	8"ø	12X10	AHU-2	*		55/90	6.3	0.5	0.20	180/155	0.13	3/4						1;2;3;4;
VAV-11	840	240		*					*	SDV5-9	1.0	0.15	9"ø	14X12	AHU-2	*		55/90	9.1	0.6	0.36	180/150	0.14	3/4						1;2;3;4;
VAV-12	840	240		*					*	SDV5-9	1.0	0.15	9"ø	14X12	AHU-2	*		55/90	9.1	0.6	0.36	180/150	0.14	3/4						1;2;3;4;
VAV-13	520	160		*					*	SDV5-7	1.0	0.18	7"ø	12X10	AHU-2	*		55/95	6.9	0.5	0.16	180/149	0.16	3/4						1;2;3;4;
VAV-14	460	460	*	*					*	SDV5-7	1.0	0.14	7"ø	12X10	AHU-2	*		55/80	12.5	0.9	0.59	180/152	0.1	3/4						1;2;3;4;
VAV-15	250	120		*					*	SDV5-5	1.0	0.06	5"ø	12X8	AHU-2	*		55/97	5.5	0.5	0.14	180/157	0.05	3/4						1;2;3;4;
VAV-16	470	380		*					*	SDV5-7	1.0	0.18	7"ø	12X10	AHU-2	*		55/80	10.3	0.6	0.24	180/144	0.11	3/4						1;2;3;4;
VAV-17	275	105		*					*	SDV5-5	1.0	0.06	5"ø	12X8	AHU-2	*		55/100	5.2	0.5	0.14	180/159	0.05	3/4						1;2;3;4;
VAV-18	200	100		*					*	SDV5-5	1.0	0.06	5"ø	12X8	AHU-2	*		55/100	5.2	0.5	0.14	180/159	0.05	3/4						1;2;3;4;
VAV-19	300	200		*					*	SDV5-5	1.0	0.08	5"ø	12X8	AHU-2	*		55/85	6.5	0.5	0.10	180/149	0.07	3/4						1;2;3;4;
VAV-20	390	300		*					*	SDV5-7	1.0	0.11	7"ø	12X10	AHU-2	*		55/90	11.4	1.4	1.42	180/164	0.07	3/4						1;2;3;4;
VAV-21	270	270	*	*					*	SDV5-5	1.0	0.07	5"ø	12X8	AHU-2	*		55/85	8.8	0.9	0.45	180/160	0.06	3/4						1;2;3;4;
VAV-22	270	270	*	*					*	SDV5-5	1.0	0.07	5"ø	12X8	AHU-2	*		55/85	8.8	0.9	0.45	180/160	0.06	3/4						1;2;3;4;
VAV-23	520	380		*					*	SDV5-9	1.0	0.07	9"ø	14X12	AHU-2	*		55/90	14.2	1.5	0.25	180/161	0.06	3/4						1;2;3;4;
VAV-24	220	220	*	*					*	SDV5-5	1.0	0.05	5"ø	12X8	AHU-2	*		55/90	8.4	1.2	0.70	180/165	0.04	3/4						1;2;3;4;
VAV-25	300	200		*					*	SDV5-5	1.0	0.08	5"ø	12X8	AHU-2	*		55/85	6.5	0.5	0.10	180/149	0.07	3/4						1;2;3;4;
VAV-26	190	90		*					*	SDV5-5	1.0	0.04	5"ø	12X8	AHU-2	*		55/104	4.8	0.5	0.14	180/160	0.03	3/4						1;2;3;4;
VAV-27	260	260	*	*					*	SDV5-5	1.0	0.08	5"ø	12X8	AHU-2	*		55/90	9.9	0.9	0.45	180/158	0.07	3/4						1;2;3;4;

NOTES
1. MAXIMUM AIR PRESSURE DROP FOR TERMINAL IS SUM OF DESIGN DROP AND COIL DROP AT MAXIMUM C.F.M.
2. N.C. LEVEL BASED ON 10dB ROOM ABSORPTION, RE RAISED TO THE -12 WATTS.
3. PRIMARY AIR VALVE C.F.M. SHALL NOT EXCEED MANUFACTURER'S "NOMINAL C.F.M.".
4. MINIMUM COIL DESIGN GPM SHALL BE 0.5 GPM.

AIR DEVICE SCHEDULE

MARK	SIZE: FACE	SIZE: NECK	TYPE: DIFFUSER	TYPE: GRILLE	TYPE: LINEAR SLOT	TYPE: LOUVER	MNFR: PRICE	MNFR: ACUTHERM	MODEL NO.	MATERIAL: STEEL (STL)	MATERIAL: ALUMINUM (AL)	FINISH: AL WITH STL FRAME	FINISH: OFF WHITE	FINISH: PRIMER	FINISH: CLR BY ARCH	ACCESSORIES: OPP BLADE DAMPER	ACCESSORIES: PAR BLADE DAMPER	ACCESSORIES: PLENUM	ACCESSORIES: FIRE DAMPER	ACCESSORIES: EQUALIZING GRID	MOUNTING: LAY-IN	MOUNTING: SURFACE	MOUNTING: FLUSH	MTG HT.: FLOOR TO BOTTOM	MTG HT.: CEILING	THROW: 4 - WAY	THROW: 3 - WAY	THROW: 2 - WAY	THROW: 1 - WAY	THROW: 2 - WAY CORNER	MAX. NC	MAX. LOSS IN. W.C.	NOTES
A	24X24	6"ø	*				*		AMD		*		*			*					*				*	*					25	0.13	
B	24X24	8"ø	*				*		AMD		*		*			*					*				*	*					25	0.13	
C	24X24	10"ø	*				*		AMD		*		*			*					*				*	*					25	0.13	
D	24X24	12"ø	*				*		AMD		*		*			*					*				*	*					25	0.13	
E	24X24	22X22		*			*		80		*		*			*					*				*						25	0.13	1:

NOTES
1. PAINT FLAT BLACK INTERIOR DUCT SURFACES VISIBLE FROM OUTSIDE THE GRILLE.

FAN SCHEDULE

MARK	C.F.M.	E.S.P. IN. W.G.	MNFR: COOK	MNFR: GREENHECK	MODEL NO.	MOTOR: MAX. HP.	MAX. OPER. WEIGHT (LBS)	MAX. TIP SPEED F.P.M.	MAX. NOISE SONES	DRIVE: DIRECT	DRIVE: BELT	ACCESSORIES: GRAVITY DAMPER	ACCESSORIES: ELECTRIC DAMPER	ACCESSORIES: BIRD SCREEN	ACCESSORIES: ROOF CURB	GENERAL NOTE: MARK SF=SUPPLY FAN; MARK EF=EXHAUST FAN; MARK RF=RETURN FAN. NOTES
EF-4	360	3.0		*	SWB-206-7	.75	164	9,508	23		*	*				1:3:4:
EF-5	2100	1.0		*	GB-161-7	.75	99	5,171	13.4		*	*				2:3:4:

NOTES
1. CENTRIFUGAL VENTILATION SET.
2. ROOF-TOP CENTRIFUGAL DOMED VENTILATOR.
3. SCHEDULED CFM ALLOWS FOR LEAKAGE BALANCE EXHAUST GRILLES TO CFM SHOWN ON FLOOR PLANS.
4. SCHEDULED STATIC PRESSURE ALLOWS FOR ADDITIONAL FUTURE DUCT TO BE ADDED WHEN ADDITIONAL FLOORS ARE ADDED TO THE BUILDING.

one-half inch = one foot
one inch = one foot
three-quarters inch = one foot
three-eighths inch = one foot
one-quarter inch = one foot
one-eighth inch = one foot

Revisions	Date

Toland • Mizell • Molnar, LLC
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ATLANTA, GA, 30318
404-214-9774

NORTH

100% REVIEW SUBMITTAL

Drawing Title: SCHEDULES MECHANICAL

Approved Project Engineer:

Project Title: 2ND FLOOR OUTPATIENT MENTAL HEALTH

Building Number: BLDG 1 SOUTH WING
Checked: PJC
Drawn: WSS
Location: VA MEDICAL CENTER SHREVEPORT, LOUISIANA

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