



**SIMPSON ASSOCIATES**

ARCHITECT  
3280 Edgewood Park Dr.  
Commerce, Michigan 48382  
248-360-7821

**David R. Gebhardt** Architect  
Professional Corporation  
203 W. Michigan Ave. Saline, MI 48176 (734) 429-513



Dunham Associates, Inc.  
50 South Sixth Street / Suite 1100  
Minneapolis, Minnesota 55402-1540  
PHONE 612.465.7550 FAX 612.465.7551  
WEB dunhameng.com  
mechanical + electrical consulting engineering



**Construction Manager**  
**Frank Baxter General Contractor, Inc.**  
3225 Avenue N  
Fort Madison, IA 52627  
319-372-7285

PROJECT :



EXECUTIVE OFFICE LAYOUT  
191 RIVERSIDE  
PORTLAND, MAINE

D A T E : ISSUED FOR:  
11.12.07 90% REVIEW  
11.16.07 PERMIT

SHEET TITLE :  
**MECHANICAL / ELECTRICAL SCHEDULES**

SHEET NO. :

**ME01**

VARIABLE AIR VOLUME BOX SCHEDULE																	ELECTRICAL									
EQUIP. LETTER	TYPE	INLET SIZE (IN DIA)	CFM		MAX NC	MAX AIR PD (IN)	ELECTRIC REHEAT COIL						CONTROL VOLTAGE	MANUF.	MODEL NO.	REMARKS	KW	VOLTAGE & PHASE	MOTOR CONTROL	STARTER SIZE	STARTER LOCATION	DISC SIZE & TYPE AT MOTOR	POWER SOURCE	BRANCH CIRCUIT	ELEC. NOTES	
			MIN	MAX			COIL SIZE (W x H)	MBH	EAT (F)	LAT (F)	VOLT/PHASE	NO. OF STAGES														KW
VAV-1	PRESSURE INDEPENDENT	8	360	720	29	1.0	---	13.6	55	90	460/3	1	4	---	TITUS	DESV	WITH SCR CONTROL	4	480/3	DIV 15	INTREGAL	AT UNIT	30/3	H-4 CRT#13,15,17	1/2" C / 3-#12AWG & #12 GND	2
VAV-2	PRESSURE INDEPENDENT	8	385	770	29	1.0	---	14.6	55	90	460/3	1	4	---	TITUS	DESV	WITH SCR CONTROL	4	480/3	DIV 15	INTREGAL	AT UNIT	30/3	H-4 CRT#19,21,23	1/2" C / 3-#12AWG & #12 GND	2
VAV-3	PRESSURE INDEPENDENT	12	935	1870	29	1.0	---	35.4	55	90	460/3	1	10	---	TITUS	DESV	WITH SCR CONTROL	10	480/3	DIV 15	INTREGAL	AT UNIT	30/3	H-4 CRT#8,10,12	1/2" C / 3-#12AWG & #12 GND	2
VAV-4	PRESSURE INDEPENDENT	16	1790	3580	29	1.0	---	67.6	55	90	460/3	1	20	---	TITUS	DESV	WITH SCR CONTROL	20	480/3	DIV 15	INTREGAL	AT UNIT	30/3	H-4 CRT#14,16,18	1/2" C / 3-#10AWG & #10 GND	2
VAV-5	PRESSURE INDEPENDENT	10	475	950	29	1.0	---	18.0	55	90	460/3	1	5	---	TITUS	DESV	WITH SCR CONTROL	5	480/3	DIV 15	INTREGAL	AT UNIT	30/3	H-4 CRT#20,22,24	1/2" C / 3-#12AWG & #12 GND	2

NOTE: 1. HTG MBH BASED ON MIN AIRFLOW  
NOTE: 2. PROVIDE A NEMA 1 FUSED DISCONNECT AT UNIT. SIZE FUSE PER NEC AND MANUFACTURERS RECOMMENDATIONS.

EXHAUST FAN SCHEDULE																	
GENERAL			MECHANICAL						ELECTRICAL								
EQUIP NO.	LOCATION	APPLICATION	TYPE	CFM	EXT SP (IN)	MANUF	MODEL NO	MECH. NOTES	MOTOR HP	VOLT/PHASE	MOTOR CONTROL	STARTER SIZE	STARTER LOCATION	DISC SIZE & TYPE AT MOTOR	POWER SOURCE	FEEDER SIZE	ELEC. NOTES
EF-1	ROOF	TOILET EXHAUST	CENTRIF	800	0.75	COOK	100-ACEB	W/16" ROOF CURB	1/3	120/1	DIV. 15	00	ELECTRICAL ROOM	MS	L-4 CRT#32	1/2" C / 2-#12AWG & #12 GND	

NOTE:

ELECTRIC UNIT HEATER SCHEDULE																	
GENERAL		MECHANICAL						ELECTRICAL									
EQUIP NO.	LOCATION	TYPE	CFM	MANUF	MODEL NO CATALOG NO.	MECH. NOTES	MOTOR HP	KW	VOLT/PHASE	MOTOR CONTROL	STARTER SIZE	STARTER LOCATION	DISC SIZE & TYPE AT MOTOR	POWER SOURCE	FEEDER SIZE	ELEC. NOTES	
EUH-1	CORRIDOR 102	CEILING MOUNTED RECESSED	---	QMARK	685360021225 EFF-4807	FITS 2x2 GRID	FRACTIONAL	5	277/1	DIV. 15	NA	NA	30/3	H-4 CRT#26,28	1/2" C / 2-#12AWG & #12 GND	1	

NOTE: 1. PROVIDE A NEMA 1 FUSED DISCONNECT AT UNIT. SIZE FUSE PER NEC AND MANUFACTURERS RECOMMENDATIONS.