ALTERATION REPAIR 4015 WOODLEA AVE

BALTIMORE, 21206 MD

												SPLI	T SYSTEM HE	AT PUN	/P UNI	T SCHE	DULE											
	r									IND	OOR UNIT	. ***			-		1		OUTDOOR	UNIT				MANUFACTURER	AND MODEL			
UNIT	SERVING	E.A.T.	· CFM	O.A.T.	E.S.P.	FAN			COOLI	NG CAP.	<u> </u>		ARYHEATING DATA			W.T IN	COM	PRESSOF		FAN	1,404	MOOD	WT IN	OUTDOOR UNIT	INDOOR LINE	S.E.E.R.	HSPF	REMARKS
NO.	THE AREA	E.A.1.	CIM	DB/WB	2.0	VOLTAGE	H.P.	FLA	TOTAL M.B.H.	SENSIBLE M.B.H.	E.A.T.	VOLTAGE	NOMINAL KW	MCA	МОСР	LBS (APROX)	VOLTAGE	L.R.A.	R.L.A.	FAN FLA	MCA	MOCP	LBS	OUTDOOK ONIT	INDOOR UNIT			
AHU-1 (downflowl)	SEE FLOOR PLAN	90/67	840	95/76	0.4	208/1/60	3/4		23.9	18.3	ARI	208 /1/60	8.0	38.0	40.0	122	208/1/60	62.9	10.9	1.1	14.7	25	200	GOODMAN GSZ16 025	GOODMAN ARUF25 (DOWNFLOW)	16	8.7	

ACCESSORIES:

1) TIME DELAY RELAY (2) INDOOR AHU CIRCUIT BREAKER(S) PROVIDED BY MANUFACTURER. OUTDOOR HP CIRCUIT BREAKER PROVIDED BY ELECTRICAL CONTRACTOR (3) LIQUID LINE SOLENOID VALVE

4 HEATING & COOLING PROGRAMMABLE T'STAT W/EM. HEAT/FAN ON/OFF SWITCH/AUTO SWITCH (5) CRANKCASE HEATER (6) COMPRESSOR START ASSIST RELAY

SINGLE POINT POWER CONNECTION FOR INDOOR AIR HANDLING UNIT. (8) 2 POINTS OF POWER CONNECTION FOR INDOOR AHU (9) CORROSION RESISTANT DRAIN PAN.

PROVIDE CONDENSATE DRAIN WITH "EZ" TRAP. (1) CONDENSATE OVERFLOW SWITCH. (2) REFRIGERANT 410A. (3) 5 YEAR COMPRESSOR WARRANTY BY MANUFACTURER.

(4) AUXILIARY ELECTRIC HEATING WILL NOT ENERGIZED WHEN THE HEATING LOAD CAN BE MET BY THE HEAT PUMP. (5) ECM MOTOR W/O VARIABLE SPEED. (6) ECM MOTOR WITH VARIABLE SPEED.

IECC REQUIREMENTS

PER IECC R403.2.2 — CONTRACTOR IS REQUIRE TO SUBMIT AT FINAL INSPECTION A DUCT LEAKAGE TEST SHOWING A PASSING RATING OF <= 8 CFM PER 100 SQUARE FEET CONDITIONED FLOOR AREA AT A PRESSURE OF 25 PASCAL. A WRITTEN REPORT OF THE RESULTS OF THE TEST SHALL BE SIGNED BY THE PARTY CONDUCTING THE TEST AND PROVIDED TO THE CODE OFFICIAL UPON REQUEST.

					;	SPLI	T SY	/STE	M GAS	FUR	NAC	EIN	DOC	OR U	NIT SC	CHED	ULE											
		AIR	FLOW	INDOOR	FAN D	ATA		COC	LING COIL	DATA				GAS	HEATING	DATA				ELEC	TRICAL D	ATA			DIMENSIONS	APPR.	MODEL &	
UNIT NO	LOCATION	SUPPLY	OUTSIDE	ESP			EAT		SENSIBLE	TOTAL	SFFR	TOTAL MBH	EAT DB 'F	LAT DB °F	INPUT CFH	OUTPUT CFH	NUMBER STAGES	FAN FLA	DATA LRA	MCA	МОСР	VOLTS	РН	CYCLE	HxWxD (INCHES)	WEIGHT LBS	MANUFACTURER	REMARKS
GF-1	SEE PLAN	800	60	0.5		ЕСМ		64		24.0					42/60				-	7.8	15	120	1	60		180	GOODMAN:GMVC96-080 VERTICAL	see notes
NOTES:						ш.																						

1) UNIT TO BE PROVIDED WITH 3/4" CONDENSATE DRAIN PIPE.

2) REFRIGERANT SHALL BE R-410A.) PROVIDE 1 INCH SUPER THICK INSULATION FOR UNIT.

4) PROVIDE FACTORY 1 INCH FILTER SECTION IN RETURN AIR DUCTWORK ADJACENT TO UNIT. 5) PROVIDE 7-DAY PROGRAMMABLE THERMOSTAT WITH ALL UNITS. COORDINATE COLOR WITH ARCHITECT.

6) PROVIDE CONTROL WIRING FOR THERMOSTAT.

7) UNITS SHALL INCLUDE DISCONNECT SWITCH. 8) PROVIDE WITH FACTORY EVAPORATOR COIL AND HOUSING TO UNIT.

NOTES OF ANY AND													
AIRFLOW (CFM)	INLET SIZE	register/grille size	TYPE	NOTES									
0 - 60	5*	10x4	SUPPLY REGISTER	1,2,3,4,6,7,8									
61 - 100	6*	10x4	SUPPLY REGISTER	1,2,3,4,6,7,8									
105- 125	7*	12x4	SUPPLY REGISTER	1,2,3,4,6,7,8									
130- 150	7"	10x6	SUPPLY REGISTER	1,2,3,4,6,7,8									
155 - 200	8"	12x6	SUPPLY REGISTER	1,2,3,4,6,7,8									
0-400	10"	12x12	RETURN GRILLE	4,5,6,7,8									
405-600	12"	14x14	RETURN GRILLE	4,5,6,7,8									
605-1000	14"	16x16	RETURN GRILLE	4,5,6,7,8									

CEILING REGISTERS SHALL BE HART & COOLEY MODEL A611 OR EQUAL. SIDEWALL REGISTERS SHALL BE HART & COOLEY MODEL A618 OR EQUAL. FACE VELOCITY SHALL BE 500 FPM FOR MAX CFM SHOWN. RETURN GRILLE SHALL BE TITUS MODEL 355, 1/2" BAR SPACING. COORDINATE FINAL LOCATION WITH ARCHITECT AND OWNER. ALTERNATE SIZES ARE ACCEPTABLE WITH SAME VELOCITY AND PRESSURE DROP. ROUND INLET SIZE AS INDICATED OR EQUIVALENT RECTANGULAR. PROVIDE RADIATION DAMPER ON ALL THE REGISTERS OR GRILLES.

FLOOR REGISTERS SHALL BE HART & COOLEY MODEL 210 OR EQUAL

			SPLIT	SY	STE	M C	ONE	DENS	SING	UNIT	SC	HED	ULE						
<u> </u>			0	UTDO	OR FAI	N DATA		COME	PRESSO	R DATA		ELE	CTRICA	L DAT	A	DIMENSIONS	APPR.	MODEL &	
UNIT NO.	LOCATION	NOMINAL TONS	DRIVE	QTY		RPM		QTY	RLA	LRA	МСА	мсор	VOLTS	PH	CYCLE	HxWxD (INCHES)	WEIGHT LBS	MANUFACTURER	REMARKS
CU-1	SEE PLAN	2.0	DIRECT	1	1/6	-	0.9	1	10.3	52.0	14.0	20	230	1	60		200	GOODMAN: DSXC16024	SEE NOTES

1) UNIT CASING SHALL BE CONSTRUCTED OF HEAVY GAUGE, G90 GALVANIZED STEEL AND PAINTABLE WITH WEATHER RESISTANT POWDER PAINT ON ALL LOUVERS, PANELS, PREPAINT ON ALL OTHER PANELS.

2) REFRIGERANT SYSTEM CONTROLS INCLUDE CONDENSER FAN AND COMPRESSOR CONTACTOR.

3) TWO STAGE COMPRESSOR

		FAN SCHE	DULE				
NO.	SERVICE	ТҮРЕ	CFM	MAX SONES	V/PH	HP	MODEL
EF-1	ALL BATHROOMS	CEILING EXHAUST	80	0.8	115/1	1/10	BROAN - QTRE080
HF-1	KITCHEN HOOD	DUCTED HOOD FAN	160	1.7	115/1	1/8	BROAN

KITCHEN HOOD: EQUAL BY NUTONE, WHIRLPOOL

TABLE M1507.3.3(1) CONTINUOUS WHOLE-HOUSE MECHANICAL VENTILATION SYSTEM AIRFLOW RATE REQUIREMENTS

	DWELLING		NUMBER OF BEDROOMS													
	FLOOR AREA	0 å€" 1	2 á€" 3	4 8€" 5	6 ac" 7	> 7										
	(square feet)		Air	flow in CF	M											
	< 1,500	30	45	60	75	90										
-	1,501 å€" 3,000	45	60	75	90	105										
	3,001 ā€" 4,500	60	75	90	105	120										
	4,501 å€" 6,000	75	90	105	120	135										
	6,001 â€" 7,500	90	105	120	135	150										
	> 7,500	105	120	135	150	165										

PER IMC 2015

SUMMER: INSIDE: 75°F DB, 50% RH OUTSIDE: 95°F DB, 78°F WB

WINTER: INSIDE: 72°F DB OUTSIDE: 10°F DB PROJECT NUMBER: COVER SHEET

AS NOTED

15. -1. 6,

PROFESSIONAL CERTIFICATION:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED
AND APPROVED BY ME, AND THAT I AM A DULY LICENSED

PROFESSIONAL ENGINEER UNDER LAWS OF THE STATE OF MARYLAND. LICENSE NO.: 43013 EXPIRATION DATE: 12-11-2020