	ELECTRIC UNIT HEATER SCHEDULE														
TAG	MANUFACTURER & MODEL	AREA SERVED	MOUNTING	INPUT	OUTPUT		LECTRICA		NOTES						
17.0	NO.	AREA SERVED	MICOIVIAGO	(KW)	(MSH)	ν	PH	HZ	WOILO						
EUH-1	MARKEL / F30522T2DWB	STAIRWELLS 1ST AND 3RD FLOOR LANDINGS / WATER HEATER ROOM	SURFACE	1.0	3.2	208	1	60	1,2,4-6						
EUH-2	MARKEL / F30522T2DWB	RISER AND POOL EQUIPMENT	SURFACE	2.0	6.4	208	1	60	1,2.4-6						

ES.

1. UNITS SHALL BE U.L. LISTED.

2. PROVIOE THERMAL, OVERLOAD PROTECTION.

3. PROVIOE REMONTE THERMOSTAT.

4. ACCEPTABLE EQUALS SHALL BE OMARK AND REZNOR.

5. MOLINE THAT 12" A.F.F.

6. PROVIDE INTEGRAL THERMOSTAT.

	AIR DISTRIBUTION SCHEDULE														
TAG	MANUFACTURER & MODEL NO.	NECK SIZE	FACE SIZE	FRAME TYPE	PATTERN	DAMPER	MATERIAL	SERVICE	FINISH	NOTES					
S-1	PRICE / SPD	6" DIA	6x6	SIDEWALL	DBL. DEFF.	YES	STEEL	SUPPLY	PAINT GRIP	1,2					
S-2	PRICE / SPD	PER PLAN	24x24	PER RCP	4-WAY	YES	STEEL	SUPPLY	OFF WHITE	1.2					
R-1	PRICE / 80	PER PLAN	24x24	PER RCP	-	NO	STEEL	RETURN	OFF WHITE	2					

NOTES

PROVIDE OPPOSED BLADE DAMPERS IN NECK OF DIFFUSER OR REGISTER, WITH ACCESS TO DAMPER THROUGH FACE OF DIFFUSER OR REGISTER 2. ACCEPTABLE EQUALS SHALL BE ANEMOSTAT, CARNES, KRUEGER, NAILOR, TITUS AND TUTTLE & BAILEY.

SPLIT SYSTEM HEAT PUMP UNIT SCHEDULE

		AIR HANDLING UNIT DATA															CONDENSING UNIT								
				FAN DATA			000	LING	HEAT	AUXILIARY	ELE	CTRICAL E	MTA	GENERAL DATA ELECTRICAL (WEIGHT		
CF		SUPPLY CFM	OA (CFM)	MIN.EXT. S.P. (IN.WG)	MOTOR HP	FAN RPM	TOTAL (MBH)	SENS (MBH)	TOTAL (MBH)	KW (MBH)	V/PH	MCA (A)	MOCP (A)	TAG	MANUFACTURER/ MODEL NO.	NOMINAL TONNAGE	EFF. EER (SEER)	EFF. IEER	HSPF	V/PH	MCA (A)	MOCP (A)	(LBS) AH/HP	NOTES	
AH-1	TRANE/TEM4A0B30S31SA	1000	150	0.5	1/2	1075	30	23.1	24	3.6	208/1	25	25	HP-1	TRANE/47WR4030G1000A	2.5	(14)	*	8.5	208/1	17	25	150/300	1-15	
AH-2	TRANE/TEM4A0C36S41SA	1200	670	0.5	1/2	1075	36	28	29	3.6	208/1	25	25	HP-2	TRANE/4TWR4036G1000A	3.0	(14)	٠.	8.5	208/1	19	30	150/300	1-15	
AH-3/4	TRANE/TEM4A0B30S31SA	1000	320	0.5	1/2	1075	30	23.1	24	3.6	208/1	25	25	HP-3	TRANE/4TWR4030G1000A	2.5	(14)	-	8.5	208/1	17	25	150/300	1-15	
AH-5	TRANE/TEM4A0C36S41SA	1200	710	0.5	1/2	1075	36	28	29	3.6	208/1	25	25	HP-4	TRANE/4TWR4036G1000A	3.0	(14)	-	8.5	208/1	19	30	150/300	1-15	
AH-6/7	TRANE/TEM4A0C48S41SA	1600	680	0.5	3/4	1050	48	36.96	38.4	3.6	208/1	30	30	HP-5/8 TRANE/4TWR4048G1000A 4.0 (14) - 8.5 208/1 26								45	150/300	1-15	
OTES:																									

1. COOLING CAPACITIES ARE RATED IN ACCORDANCE WITH ARI STANDARD 210/ 290 AT 95 DEGREE FARHENHEIT AMBIENT OUTDOOR AR TEMPERATURE. 80 DEGREE FARHENHEIT DRY BULB. AND 67 DEGREE FARHENHEIT WET BULB ENTERING AIR TEMPERATURE.

AIR QUANTITY LISTED.

2. REFRIGERANT PIPING TO BE SIZED PER TOTAL INSTALLATION EQUIVALENT LENGTH. LONG-LINE APPLICATION TO BE PROVIDED WHENEVER MANUFACTURER RECOMMENDED LENGTHS ARE EXCEEDED, INCLUDING LIQUID LINE SOLENOID VALVES. ACCUMIL

3 PROVIDE SINGLE POINT ELECTRICAL CONNECTION FOR AIR HANDLING UNIT
4. PROVIDE NEW PLITER IN EACH LINET AT TURKOVER TO OWNER.
5. PROVIDE ON AUTO FAR SWITCH AND EATOPF FOOOD. THERMOSTAT WITH SUBBASE FOR EACH UNIT, PROVIDE WITH OUTSIDE AIR TEMPERATURE SENSOR TO LOCKOUT ELECTRIC HEAT WHEN OUTSIDE AIR TEMPERATURE IS ABOVE 40 DEG

5 PROVIDE ON WAITO FAIL SWITCH AND HEAT-OFF-COOL THERMOSTAT WITH SUBBASE FOR EACH LINIT. PROVIDE WITH OUTSIDE WIT EMPERATURE SENSOR TO LOCKOUT ELECTRIC HEAT WHEN OUTSIDE AIR TEMPERAT 6. DRAIN CONDENSATE TO DRY WELL OR SITE STORM OUTSIDE BUILDING. PIPING SHALL BE FILL SEE OF EQUIPMENT CONNECTION AND CONDENSATE WATER SHALL NOT DISCHARGE ACROSS WALKWAYS OR PARKING. 7. DRAIN CONDENSATE TO DRY WELL OR SITE STORM OUTSIDE BUILDING.

8. UNIT SHALL BE UIL LISTED AND ARI CERTIFIED. MAINTAIN FACTORY SPECIFED CLEARNANCES ON ALL SIDE OF EQUIPMENT.

9. PROVIDE UNIT WITH HODOR OUTSIT WITH VIBBATION SIGLATION. PROVIDE OUTDOOR UNIT WITH PATE EQUIPMENT FALLS WITH VIBRATION SIGLATION.

10. ELECTRICAL CONTRACTOR SHALL PROVIDE SMOKE DETECTORS ON THE RETURN DUCT DISCHARGES TO BE INSTALLED BY MECHANICAL CONTRACTOR. IF BUILDING HAS FIRE ALARM SYSTEM SMOKE DETECTORS SHA

11. CATALOG NUMBERS AND MANUFACTURERS ARE TO SIDICATE TYPE AND QUALITY OF UNIT DESIRED. SUBMIT CUTSHEETS OF THESE AND ALTERPATE MANUFACTURERS FOR ARCHITECT AND OWNER APPROVAL PRIOR

19. PROVIDE I YEAR PARTS AND LABOR WARRANTY. PROVIDE 5 YEAR PARTS WARRANTY ON COMPRESSORS.

14. ACCEPTABLE ALTERNATE MANUFACTURERS: LENNOX

15. MECHANICAL CONTRACTOR SHALL PROVIDE A START UP CHECKLIST CONFIRMING ALL UNITS HAVE BEEN PROPERLY STARTED AND CONFIRMED RUNNING PROPERLY

	PACKAGED TERMINAL AIR CONDITIONING IN INSCREEDULE																		
TAG	TAG MANUFACTURERIMODEL No. SUPPLY OA MINEKT. MOTOR FAN (CPM) (CPM) (MW M) HP REM						NOMAL GE	COOI CAPA TOTAL (MBH)	SENS. (MBH)	CA TOTAL (BH)	TING CITY JUC. (KW)	V/PH	MCA (A)	MOCP (A)	EFF EER (SEER)	EFF. IEER	HSPF	UNIT WEIGHT (LBS)	NOTES
PTAC-A	FRIEDRICH / PDH12K	370	PER TABLE 403.3	-	-		1.00	9.4		8.3		208/1	4	15	12.1	-	3.5	140	1-7

NOTES: 1. COOLING CAPACITIES ARE RATED IN ACCO FARHENHEIT WET BULB ENTERING AIR TEMP! 2. PROVIDE NEW FILTER IN EACH UNIT AT TUR

ICKOUT ON ELECTRIC HEAT WHEN OUTSIDE AIR TEMPERATURE IS ABOVE 40 DEGREES

			,			MINI-	SPLI	1/1/20	OLI	NG OI	NLY (JNIT	SCH	EDUL	-E								
		di'		RHANDIA		ŕ										CONDE	NSING UN	ıτ					
DAT.							coo	LING	1	HEAT	ELE	CTRICAL D	ATA		GENERA	DATA			ELEC	TRICAL D	4TA	WEIGHT (LBS)	NOTES
TAG	MANUFACTURER/ MODEL NO.	SUPPLY CFM	(OA (CFM)	Min. S.P. (IN.WG)	MOTOR HP	FAN RPM	TOTAL (MBH)	SENS. (MBH)	KW INPUT	MBH OUTPUT	V/PH	MCA (A)	MOCP (A)	TAG	MANUFACTURER/ MODEL NO.	NOMINAL TONNAGE	EFF. EER (SEER)	EFF. IEER	WPH	MCA (A)	MOCP (A)	MS/MC	
MS-1	MiTSUBISHI (MSZ-0	"Million"	<u> </u>	- 1	-	- 1	32	28.2	NA	NA.	208/1	1	15	MC-1	MITSUBISHI / MUY-D36	3 TONS	14.5	-	208/3	21	25	40/150	1-10

EQUIVALENT LENGTH LONG-LINE APPLICATION TO BE PROVIDED WHENEVER MANUFACTURER RECOMMENDED LENGTHS ARE EXCEDED. INCLIDING LIQUID LINE SOLENOID VALVES, ACCUMULATOR, ETC. MAXIMUM T.E.L. IS 100.

LASE FOR EACH LIMIT, PROGRAM FAN SETTING TO BE IN "ON" POSITION DURING PERIODS OF OCCUPATION

IS ISUBBASE FOR EACH UNIT, PROGRAM FAN SETTING TO BE N° ON POSITION DURING PERIODS OF OCCUPATION.

SNATE PLINE POUNT DISCHARGE TO TALPIECE OF INAREST SIM.

STRIFED. MAINTAIN FACTORY SPECKED CLEARNANCES ON ALL SIDE OF EQUIPMENT.

BE OLATION, FOR PROVIDE OUTDOOR UNIT WITH THAT EXCUPANT FAILS WITH VIBRATION ISOLATION.

TURERS ARE TO NOICATE TYPE AND QUALITY OF UNIT DESIRED. SUBMIT CUITSHEETS OF THESE MAD ALTERNATE MANUFACTURERS FOR ARCHITECT AND OWNER APPROVAL PRIOR TO PURCHASE OF ANY UNITS. INFORMATION ON ALTERNATE LINITS.

ALL INCLUDE THE ADD DEDUCT ASSOCIATED WITH ACCEPTANCE OF THAT UNIT (OR THE ALTERNATE PACKAGE AS A WHOLE).

AND LABOR WARRANTY, PROVIDE 5 YEAR PARTS WARRANTY ON COMPRESSORS.
TOR SHALL PROVIDE A STARTY UP CHECKLIST CONFIRMING ALL UNITS HAVE BEEN PROPERLY STARTED AND CONFIRMED RUNNING PROPERLY.

	Building Pressurization Units															W. 1						
	Supply Cooling									Heating						, Ę	e Mrc I)a/a			Weight	
			Capacity	(MBH)	En	t Air	Lvg	Αiε	Input	Output	Air	Temp					Comp	/	Max	Min		
Mark	CFM	ESP (in)	Sensible	Total	DB	WB	DB	WB	(MBH)	(MBH)	Ent	Lvg	/KA	RPM	Walta	ge	RLA	MCA	Fuse	EER	(Lbs)	Standard of Performance
MAU-1	2900	1.50	81.71	202.93	81.40	76.08	54.88	54.68	292.5	234.0	14.4	89.1	m. 2	1607	2089	Brunn,	al 125	71	90	11.4	2400	Aaon RN-015-8-0-BA02-3GB
MAU-2	3800	1.50	106.62	265.97	81.40	76.08	54.70	54.68	405.0	328.1	14.4	MMh.3		/// 028	208/	3	2 x 30 1	85	110	12.2	3300	Aaon RN-020-8-0-BB02-38B

1. Factory assembled, piped, wired and tested as a single package

Units shall include total 100% cutside air opening with 2 position damper
 Units shall include dual circuit compressors for cooling, minimum 4-row interiac

Units shall include MINIMUM 10:1 turndown modulating natural gas heating 25 year non-prorated heat exchanger parts warrant,

Units shall include MODULATING hot gas reheat coils for dehumidification cuit not acceptable)

Units shall include stainless steel drain pans
 Units shall include manual reset high pressure switches & auto reset low pres

 Units shall include VFD condenser fan motors for condenser head pressure controls. Units shall include 2" MERV 12 filters. Provide metal screens on the first pair side o eks or synthetic media filters with special supporting structure to prevent moisture laden filter collapse

nsor, electroni sequencing of compressors and heating and modulating hot gas re-heating, in of outside air while also providing temperature control to the space it serves 10. Controls: Wattmaster/Orion VCCX controller with ambient dev

The intention of this unit is to provi

If this causes overcooling in the spa sheat valve shall open to satisfy the conditioned space requirement Field mounted controls shall include and a wall mounted stat (see plans for location)

All unit mounted controls for con by the equipment manufacturer

11. 2" foam injected insulated (n

12. Units shall include integral non-fu

13. Units shall inclu 14 Smoke dete installed by mechanical contractor

15. Units shall in

urb with spring isolation rails. Height TBD 16. Units shall in de a fully in

17. Each entire and Certified (Coil only certification is not acceptable

18. Compress rangety (parts only)

nation phone: 1-901-345-6100

		FAN SCHEDULE														
	TAG	MANUFACTURER & MODEL NO.	AREA SERVED	SERVICE	CFM	S.P. IN. WG.	DRIVE TYPE	NOMINAL RPM	FAN TYPE	ELECTRICAL V/PH/HZ	MOTOR HP (WATTS)	CONTROL METHOD	NOTES			
	EF-1	GREENEHECK / SP-A70	GUEST ROOMS	EXHAUST	50	0.25	DIRECT	850	CABINET	120/1/60	(15.9)	Α	1-8, 12,13			
	EF-2	GREENEHECK / SP-A125	FOOD PREP	EXHAUST	100	0.25	DIRECT	1100	CABINET	120/1/60	(22.5)	A	1-12			
	EF-3	GEENEHECK / SP-A110	ICE	EXHAUST	75	0.25	DIRECT	950	CABINET	129/1/60	(16.4)	Α	1-12			
	EF-4	GREENEHECK / SP-A190	LAUNDRY	EXHAUST	150	0.25	DRECT	1400	CABINET	120/1/60	(54.4)	Α	1-12			
	EF-5	GREENEHECK / SP-A125	ELECTRICAL/MECHANI CAL ROOM	EXHAUST	100	0.25	DIRECT	1100	CABINET	129/1/60	(22.5)	8	1-12			
	EF-6	GREENEHECK / SP-A125	MARKET	EXHAUST	100	0.25	DIRECT	1100	CABINET	120/1/60	(22.5)	D	1-12			
	EF-7	GREENEHECK / SP-A200	PUBLIC RESTROOMS	EXHAUST	225	0.25	DIRECT	90	CABINET	120/1/60	(56.1)	А	1-32			
	EF-8	GREENEHECK / SP-A700	FITNESS	EXHAUST	670	0.25	DIRECT	1100	CABINET	120/1/60	(350)	Α	1-12			
	EF-9	GREENEHECK / SP-A125	POOL EQUIP	EXHAUST	100	0.25	DIRECT	1100	CABINET	120/1/60	(22.5)	D	1-12			
ı	EF-10	GREENEHECK / SP-A390	PUBLIC RESTROOMS	EXHAUST	300	0.25	DIRECT	1350	CABINET	120/1/60	(135)	D	1-12			

SCREEN

2. BACKDRAFT DAMPER

2. DAGADRAFT DAGGER
3. GRILLE COLOR SELECTED BY ARCHITECT
4. INTEGRAL DISCONNECT SWITCH
5. PROVIDE UNIT WITH VIBRATION ISOLATION.

8. PROVIDE UNIT WITH INSULATED HOUSING FOR SOUND ATTENUATION. PROVIDE WITH MANUFACTURER'S PAIRED WALL CAP.
 PROVIDE MOTOR STARTER AS REQUIRED

10. PROVIDE MOTOR'S TRATER AS REQUIRED 11. SPEED CONTROLLER NEAR FAN 12. ACCEPTABLE EOUALS SHALL BE ACME, BREIDERT, CARNES, COOK, AND PENN. 13. PROVIDE WITH MANUFACTURERS PAIRED ROOF CAP.

7. PROVIDE MOTOR WITH THERMAL OVERLOAD PROTECTION

CONTROL METHOD:

A) W/ ROOM LIGHTS

B) W/ THERMOSTAT

C) W/ SWITCH

D) CONTINUOUS OPERATION

E) W/ CLOCK

MECHANICAL SCHEDULES

HOME 2 **SUITES** BELMONT HAWLEY AVE BELMONT, NC 28012

M.002

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