				***************************************		***************************************		<del></del>	F	PACKA	AGED	ROOF	TOP	UNIT	SCHEDU	LE	***************************************		***************************************				
			MIN		SUPPL	Y FAN			(	COOLING	COIL			GAS H	HEATING		ELE(	CTRICAL	-				
UNIT NUMBER	SERVICE	LOCATION	O.A. CFM	TOTAL CFM	E.S.P. (in.wg.)	MOT. HP	FAN RPM	ENT. AIR db/wb (F)	SENS. MBH		MAX S.P. (în.wg.)	REFRIG. TYPE	COMP. No.	INPUT MBH	OUTPUT MBH	V F	PH H	iz MO	CA M	ЮСР	OPERATING WEIGHT (Ibs)	SELECTION BASED ON	OPTIONS/REMARKS
RTU-1	CORRIDOR	ROOF	1000	4000	0.5	5	3450	80/67	109	117		R-22	2	250	202.5	460	3 6	30 3	34	40	2400	TRANE / YHC120	① ② ③ ④ ⑤
RTU-2	CORRIDOR	ROOF	750	3000	0.5	3	1750	80/67	90	94		R-22	2	200	162	460	3 6	50 <b>3</b>	34	40	2400	TRANE / YHC092	①②③④⑤

1 FURNISH WITH SEISMIC RATED SPRING CURB — 36" HIGH 2 PROVIDE WITH ECONOMIZER AND POWER EXHAUST

(3) UNIT/DUCT MOUNTED SMOKE DETECTOR FURNISHED AND WIRED TO FIRE ALARM BY ELECTRICAL CONTRACTOR - INSTALLED AND WIRED TO FAN STARTER MOTOR BY HVAC CONTRACTOR

4 PROVIDE OVERSIZED MOTOR FOR HIGH STATIC APPLICATIONS (5) PROVIDE FUSED DISCONNECT SWITCH

	**************************************				·····	······································	i in ann an a	neannaí d'airideánachdain	1	POOL	DEHUM	IDIFIC	ATION	SYST	EM S	CHED	U <b>LE</b>	······································					····		· · · · · · · · · · · · · · · · · · ·						
UNIT			MANUFACTURER/			FAN			POOL VENTI		NIT DIFICATION CA	PACITY		COMP	PRESSOR		CONDENS	<del>7</del>	CONDEN	ER FAN		ELECTR	ICAL DA	TA		LECTRIC TING COIL		ELECTRIC	AL SERVIC	E	,
NUMBER	LOCATION	SERVICE	MODEL NUMBER	CFM	MIN. OSA	E.S.P. (in.wg.)	HP	FLA	AIR TEMP.	REL.			UNOCCUPIED LBS./HR	ļ	RLA	UNIT NO.	MANUFACTURER/ MODEL NUMBER	AMB. TEMP. (°F)	NO. H			T			IZ KW	T	MCA	моср	V	HZ	OPTIONS/REMARKS
PD-1	POOL MECH. RM.	ENCLOSED POOL	VITAL AIR AP-0081	3400	1020	1.0	3	4	82	60%	108.5/61.5	44.8		17.5	125	ACCU-1	VITAL AIR B2210	95	2 1,	2 2.6	25.9	40	460	3	60 -	-	25.9	40	460	3 60	

											ENE	RY F	RECOV	ERY	UNIT	SCI	HEDULE									
UNIT			SUPP	LY FAN	EXHA	UST FAN	St	UPPLY ESIGN	EXH DE:	IAUST SIGN	С	COOLING	COIL	HEATII	NG COIL	SOUR	CE WATER		ELECT	RICAL I	DATA				MANUFACTURER/	
NUMBER	LOCATION	SERVICE	CFM	E.S.P. (in.wg.)	CFM	E.S.P. (in.wg.)	EAT DB/WB	LAT DB/WB	EAT DB/WB	LAT DB/WB	TOTAL MBH	EAT (F)	EWT (°F)	TOTAL MBH	EWT (°F)	GPM	WATER PD (FT.)	SUPPLY HP	EXHAUST HP	v	ø	HZ	МС	A MCO	MODEL NUMBER	OPTIONS/REMARKS
ERV-1	ROOF	LOWER LEVEL	3000	-	_	T -	_	-	_		-	_		-		_	_	_	_	460	) 3	60	-		GREENHECK	
ERV-2	ROOF	LOWER LEVEL	3000		-	-	_	-	-	-	_	_	_	-		_	_	_	-	460	3	60	_	_	GREENHECK	-
ERV-3	ROOF	ROOM <b>#</b> *25	350	-		_	-	-	-	_	-	-	_		-		-	-	_	460	) 3	60	_		GREENHECK	SERVES ROOM #'S 225, 325, 425, 525
										<u> </u>	<u> </u>	<u> </u>				<u> </u>	<u> </u>									

								COOLING	TOWER	SCHEI	DULE						
UNIT NUMBER	LOCATION	TYPE	GPM	EWT ('F)	LWT ('F)	AMBIENT AII WB (*F)	NUMBER	# OF MOTORS	FAN HP (EACH)	V	PH	HZ	PUMP MOTOR HP	NOZZLE PD (PSIG)	OPERATING WEIGHT (LBS.)	MANUFACTURER / MODEL	REMARKS
CT-1	ROOF	CLOSED CIRCUIT	900	95	85	72	1	1	10	460	3	60	_	-	8100	EVAPCO / AT 19-311	

PROVIDE WITH TOWER FILTRATION SYSTEM

PROVIDE FAN MOTOR WITH A VFD. VFD SHALL BE CONTROLLED BY A SUPPLY WATER TEMPERATURE SENSOR/CONTROLLER TO MAINTAIN SUPPLY WATER SET POINT PROVIDE (1) 12 KW ELECTRIC BASIN HEATER, INVERTER DUTY MOTOR, LADDER, VIBRATION CUTOUT SWITCH, MOTOR DAVIT, 304SS BASIN AND PULSE—PURE NON CHEMICAL WATER TREATMENT.

DCOLETA!	LOCATION	7/05			FAN		EL	ECTRIC	AL	MANUFACTURED / MORE	DELIADI/C
DSGNTN	LOCATION	TYPE	KW	CFM	RPM	MOTOR (HP)	V	ø	HZ	MANUFACTURER / MODEL	REMARKS
UH-1	SEE PLANS	PROP	3	350	1600	1/100	208	1	60	Q MARK / MUH	INTEGRAL THERMOSTAT 3
UH-2	SEE PLANS	PROP	5	350	1600	1/100	208	1	60	Q MARK / MUH	INTEGRAL THERMOSTAT 3
WH1	SEE PLANS	WALL	0.75	-	_	_	208	1	60	Q MARK / ECP1024	INTEGRAL THERMOSTAT, RECESSED MOUNT 3
CUH-1	SEE PLANS	CABINET	3	250	1450	1/8	208	1	60	Q MARK / CU935	INTEGRAL THERMOSTAT (1) (3)
CUH-2	SEE PLANS	CABINET	3	250	1450	1/8	208	1	60	Q MARK / CU935	INTEGRAL THERMOSTAT (2) (3)

PROVIDE INTEGRAL THERMOSTAT UNLESS SHOWN OTHERWISE ON DRAWINGS

- 1) CEILING RECESSED, FIFO (FRONT INLET, FRONT OUTLET) CONFIGURATION, FINISH BY ARCHITECT
- (2) FLOOR MOUNTED OR WALL RECESSED (SEE PLANS), FIFO (FRONT INLET, FRONT OUTLET) CONFIGURATION, FINISH BY ARCHITECT
- 3 PROVIDE DISCONNECT SWITCH

			1	OUCTLE	SS SF	PLIT-S	SYSTEM	HEAT	r <i>Ru</i> i	MP S	CHED	ULE	
SYMBOL	SERVICE	NOMINAL	COOLING	HEATING	0.A.	CFM		T	RICAL DAT			MANUFACTURER / MODEL NUMBER	REMARKS
		TONS	МВН	МВН	(°F)		V	PH	HZ	MCA	MOCP		00000
AC-1	TEL/DATA ROOM #185	1.5	18.0	19.0	95	425	208	1	60	1	15	MITSUBISHI / PKA-A18GAL	023456

- ① CFM SCHEDULED AT HIGH SPEED ② UNIT SHALL COME COMPLETE WITH REFRIGERANT LINE SET KIT ③ UNIT SHALL HAVE LOW AMBIENT CONTROLS
- 4 REFRIGERANT PIPING SHALL BE SIZED PER MANUFACTURER'S RECOMMENDATIONS VERIFY PIPING LENGTHS 5 CONTRACTOR SHALL VERIFY VOLTAGE BEFORE ORDERING OF EQUIPMENT 6 PROVIDE HEATING/COOLING THERMOSTAT

				AII	R COOL	ED C	ONDEN	SER UN	IIT S	CHED	ULE				
SYMBOL	SERVICE	LOCATION	NOMINAL TONS	SEER	OUTSIDE AIR(F)	COMP. NO.	COMP. STEPS	COND. FAN Hp	ELE V	CTRICAL I	DATA HZ	MCA	мсор	MANUFACTURER / MODEL NUMBER	REMARKS
ACCU-1	AC-1	GARAGE	1.5	14.1	95	1	1	-	208	1	60	13	20	MITSUBISHI / PUZ-A18NHA	(1)(2)(3)(4)(5)

- ① UNITS TO BE MOUNTED ON CONCRETE PAD (PAD BY G.C.) ② PROVIDE LOW AMBIENT CONTROL KIT ③ UNIT TO BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS FOR CLEARANCE AND SERVICE ACCESS
- (4) CONTRACTOR SHALL VERIFY VOLTAGE BEFORE ORDERING OF EQUIPMENT (5) PROVIDE RUBBER ISOLATION PAD FOR ALL CONDENSING UNITS
- 6 PROVIDE ARCHITECTURAL GRILLE, INSTALLATION SLEEVE AND COMPRESSOR SOUND BLANKET

			H	EAT .	EXCI	IANC	ER S	CHE	DULI	<u> </u>			
ПЕМ	MFG'R	SERVICE	CAP. MBH	GPM	HOT S	IDE LWT	W.P.D.	COL GPM	D SIDE EWT	LWT	W.P.D.	MODEL	REMARKS
HX-1	APV	CONDENSER WATER	4466	900	98	88	9.9	900	85	95	9.9	A085	

		AI	R DISTRIB	UTION D	EVICE SCHEDULE	
TYPE	SERVICE	AIR PATTERN	NECK SIZE	MATERIAL	MFG'R & MODEL	OPTIONS/REMARKS
Α	CEILING SUPPLY	SEE PLANS	SEE PLANS	STEEL	METAL-AIRE 5000-IV	SEE NOTES
В	SIDEWALL SUPPLY	SEE PLANS	SEE PLANS	STEEL	METAL—AIRE H4004D	SEE NOTES
С	CEILING RET./EXH.	SEE PLANS	SEE PLANS	STEEL	METAL-AIRE RHD	SEE NOTES
D	SIDEWALL RET./EXH.	SEE PLANS	SEE PLANS	STEEL	METAL-AIRE H4004D	SEE NOTES

- (1) PROVIDE OPPOSED BLADE VOLUME DAMPER AG-100 FOR ROUND NECKS.
- (2) PROVIDE OPPOSED BLADE VOLUME DAMPER AG-35AA FOR RECTANGULAR/SQUARE NECKS. (3) COLOR AS SELECTED BY OWNER
- 4) OMIT OPPOSED BLADE VOLUME DAMPER WHEN DEVICE IS NOT CONNECTED TO DUCT
- (5) COORDINATE WITH ARCHITECTURAL CEILING TYPE
- 6 REFER TO PLANS FOR 2, 3 OR 4 WAY THROW ON ALL AIR SUPPLY DIFFUSERS (7) PROVIDE SQUARE TO ROUND NECK ADAPTER AS NECESSARY.
- (8) PROVIDE REMOTE REGULATED VOLUME DAMPER, FOR BALANCING AT DIFFUSER FACE ABOVE INACCESSIBLE DRYWALL CEILINGS. REFER TO SPECIFICATIONS.

					PU	MP	SCHI	EDUL	E			
UNIT	LOCATION	SERVICE	TYPE	GPM	TOTAL		ELECTRIC	AL DATA	١		MFG'R & MODEL	OPTIONS/REMARKS
NUMBER	EOGATION	JENVIOL	7172	) m	HEAD (FT)	HP	RPM	V	PH	HZ	WI O'N CE MODEL	or noney removing
P-1	MECH. RM	CONDENSER WATER	BASE MOUNTED	-	-	-	1750	208	3	60	TACO	
P-2	MECH. RM	CONDENSER WATER	BASE MOUNTED	-	_	_	1750	208	3	60	TACO	(STAND-BY)
P-3	MECH. RM	HEATING WATER	IN-LINE	_		-	1750	208	3	60	TACO	
P-4	MECH. RM	HEATING WATER	IN-LINE	-	-		1750	208	3	60	TACO	(STAND-BY)

					FAN	SCHE	DULE						
UNIT	OFD 40F	/ 004704	nar	on.	0.0 (111)	FAN	DOME	Ε	LECTRICAL	L DATA		MANUFACTURED / MODEL	ADTIONS /OF MAKE
NUMBER	SERVICE	LOCATION	TYPE	CFM	S.P.(IN.)	RPM	DRIVE	HP	V	PH	HZ	MANUFACTURER / MODEL	OPTIONS/REMARKS
EF-1	GUESTROOM TOILETS	ROOF	ROOF	140-175	1.0	-	BELT	_	120	1	60	GREENHECK	SEE NOTE 1
EF-2	GUESTROOM TOILETS	ROOF	UTILITY	140-175	1.0		BELT	-	120	1	60	GREENHECK	SEE NOTE 1
EF-3	PUBLIC RESTROOM	ROOF	UTILITY	1000	1.0		BELT	_	120	1	60	GREENHECK	SEE NOTE 2, 3
EF-4	TOILET EXHAUST	ROOF	ROOF	210	1.0	-	BELT		120	1	60	GREENHECK	SEE NOTE 2
EF5	EXHAUST	ROOF	ROOF	<i>37</i> 5	1.0	***	BELT		120	1	60	GREENHECK	SEE NOTE 2
EF-6	GUEST DRYERS	ROOF	UTILITY		1.0	-	BELT		120	1	60	GREENHECK	SEE NOTE 2
EF-7	KITCHEN HOOD	ROOF	UTILITY	600	1.0		BELT	_	120	1	60	GREENHECK	SEE NOTE 2
EF-8	HOTEL DRYERS	ROOF	UTILITY	4800	1.0	-	BELT	-	120	1	60	KANALFLAKT	SEE NOTE 2

- ① EF-1 TOILET EXHAUST FANS ARE TO BE CONTROLLED BY WALL SWITCH, PROVIDE WITH BACKDRAFT DAMPER
- (2) WITH INSECT SCREEN, BACKDRAFT DAMPER, DISCONNECT SWITCH, & ATTENUATION CURB

③ WITH SPEED CONTROLLER

T40	CAPAC.	COOLING-MBH	l	EVAP. FAN		HEATING	UNIT	WIRING		WATER	? FLOW	MODEL	REMARKS
TAG	TONS	TOTAL	CFM	ESP	HP	МВН	MCA	MOCP	V/ø	GPM	PD-FT	MODEL	KEMAKNO
HP-1	3/4	8.8	300 - 450	0.15	1/10	12.12	4.90	15	208/1	2.7	13.10	TRANE GETB0091	VERTICAL WATER SOURCE 1
HP-2	1	10.50	400 - 475	0.30	1/8	13.24	6.90	15	208/1	3.00	13.57	TRANE GETB0121	VERTICAL WATER SOURCE 1
HP-3	1.5	17.72	525 - 750	0.50	1/5	21.21	11.20	15	208/1	4.50	4.80	TRANE GETB0181	VERTICAL WATER SOURCE 1
HP-4	2	24.28	775 - 950	0.50	1/5	30.65	15.80	25	208/1	6.00	9.80	TRANE GETB0241	VERTICAL WATER SOURCE 1
HP-5	-	-		-	-		-	-	-	_	_	TRANE GEHB1804	HORIZONTAL WATER SOURCE 1 2
HP6	-	-	_	-	-	<del></del>	_	_	_	_		TRANE GEHB1804	HORIZONTAL WATER SOURCE (1) (2)

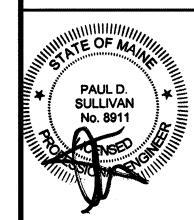
1 HVAC CONTRACTOR SHALL PROVIDE REMOTE MOUNTED PROGRAMMABLE HEATING/COOLING THERMOSTAT BY UNIT MANUFACTURER, WIRED BY ATC CONTRACTOR
2 UNIT/DUCT MOUNTED SMOKE DETECTOR FURNISHED AND WIRED TO FIRE ALARM BY ELECTRICAL CONTRACTOR — INSTALLED AND WIRED TO FAN STARTER MOTOR BY HVAC CONTRACTOR

1							E	BOILER	SCH.	EDULI	E					
			GAS	BOILER	WATER	WATER	ENTERING	LEAVING	RELIEF VALVE		ELECTRICAL		AL.	OPER.		
ITEM	SERVICE	LOCATION	INPUT MBH		FLOW RATE GPM	PD (FT.)	WATER *F	WATER F	SETTING PSIG	AFUE %	v	PH	ΗZ	WT. LBS	MANUFACTURER/MODEL NO.	REMARKS
B-1	HEAT PUMPS	MECH. ROOM	1,500	1,275	100	-	155	180	-	85	115	1	60		PATTERSON-KELLEY MODU-FIRE N1500M-FD	1 2
B-2	HEAT PUMPS	MECH. ROOM	1,500	1,275	100	_	155	180		85	115	1	60		PATTERSON-KELLEY MODU-FIRE N1500M-FD	1 2
B-2	HEAT PUMPS	MECH. ROOM	1,500	1,275	100	-	155	180		85	115	1	60		PATTERSON-KELLEY MODU-FIRE	N1500MFD

1 PROVIDE WITH BOILER CONTROLLER WITH FULL MODULATION. (2) INTERLOCK WITH BUILDING DDC SYSTEM.

## PERMIT ISSUE - 09/27/07

э.	REVIS	ION	DAT			
	•	DRAWN BY: MJF CHECKED BY: (				
	ALE:	O. REVIS CALE: 3/32"=1' 0" ATE: 09/27/07	CALE: 3/32"=1' 0" DRAWN B			





PROJECT

## RESIDENCE INN BY MARRIOTT

PORTLAND, ME

JOB# 802

TITLE

**HVAC** SCHEDULES

GROUP ONE 21 W. THIRD STREET, BOSTON, MA 02127 TEL. (617)268-7000 FAX: (617)268-0209

