

GAS FURNACE UNIT SCHEDULE			
UNIT NO.	AHU/CU=108	AHU/CU=115A	AHU/CU=115B
AREA SERVED:	SUPPLY	NORTH	SOUTH
ENCASED COIL DATA: (NOTE 2)	CC=108	CC=115A	CC=115B
TOTAL COOLING (MBH)	18	39	50
SENSIBLE COOLING (MBH)	13	30	36
ENTERING AIR (°F DB/°F WB)	77.9/66.0	78.3/65.0	80.8/66.3
OUTSIDE AIR TEMP (°F)	94	94	94
CONDENSING UNIT DATA:	CU=108	CU=115A	CU=115B
SIZE	2 TON	4 TON	5 TON
FAN HP	1/8	1/5	1/5
Ø VOLTS/PHASE/Hz	208=230/1/60	208=230/1/60	208=230/1/60
RL/LR AMPS	6.8/38.6	26.0/45.0	34.0/60.0
SEER	14.5	14	14.0
MIN. CIRCUIT AMPS	9.0	26.0	34.0
MAX. CIRCUIT BREAKER	15.0	45.0	60.0
MIN. PROTECTION RATING	15.0	45.0	60.0
FURNACE DATA:	AHU=108	AHU=115A	AHU=115B
CFM SUPPLY	600	1400	1750
CFM OUTSIDE AIR	70	155	250
E.S.P. IN. W.G.	1.17	1.28	1.22
FAN MOTOR HP (WATTS)	1/2	3/4	3/4
Ø VOLTS/PHASE/Hz	115/1/60	115/1/60	115/1/60
HEATING DATA:			
TOTAL HEATING (MBH)	12.1	22.5	13.8
INPUT (MBH)	40	100	120
AFUE (%)	92	92	92
FUEL	PROPANE	PROPANE	PROPANE
GAS INLET (IN)	5/8	7/8	7/8
HEATING STAGES	1	1	1
PILOT CONTROL	HOT SURFACE IGNITION	HOT SURFACE IGNITION	HOT SURFACE IGNITION
COMBUSTION FAN POWER	115/1/60	115/1/60	115/1/60
UNIT FULL LOAD AMPS (FLA)	1.14	0.71	0.71
MOP (AMPS)	15.0	20	20
SPECIAL FEATURES:			
UL/AGA APPROVAL	YES	YES	YES
FAN TIME DELAY RELAY	YES	YES	YES
24 V. PROGRAMMABLE AUTO CHANGE OVER T'STAT WITH LOCKABLE COVER	YES	YES	YES
FILTERS	YES	YES	YES
MANUFACTURER:	TRANE	TRANE	TRANE
GAS FURNACE MODEL NO.	TDX1B	TUX1C	TUX1D
WEIGHT (LB)	34	45	86
COIL MODEL NO.	4TXC	4TXC	4TXC
WEIGHT (LB)	135	193	193
CONDENSING UNIT MODEL NO.	4TTB4	4TTB4	4TTB4
WEIGHT (LB)	174	248	248
NOTES:	1. ALUMINIZED STEEL HEAT EXCHANGER. 2. PERFORMANCE DATA IS REQUIRED MINIMUM PERFORMANCE. 3. PROVIDE AHU FURNACE WITH INTEGRAL DISCONNECT SWITCH.		

AIR DEVICE SCHEDULE (1)								
MARK	AIR TYPE	DEVICE CFM	LOUVER FACE SIZE (IN.)	NECK (IN.)	MAX S.P. IN. W.G.	MAX. NC	MANUFACTURER	MODEL NO.
A-4	S	0-70	12 x 12	4"Ø	0.01	12	TITUS	TMS
A-6	S	75-155	12 x 12	6"Ø	0.03	18	TITUS	TMS
A-8	S	160-280	12 x 12	8"Ø	0.05	22	TITUS	TMS
B-6	S	0-155	24 x 24	6"Ø	0.03	16	TITUS	TMS-AA
B-8	S	160-280	24 x 24	8"Ø	0.03	19	TITUS	TMS-AA
B-10	S	285-440	24 x 24	10"Ø	0.03	22	TITUS	TMS-AA
B-12	S	445-630	24 x 24	12"Ø	0.03	24	TITUS	TMS-AA
B-14	S	635-860	24 x 24	14"Ø	0.03	26	TITUS	TMS-AA
B-15	S	865-985	24 x 24	15"Ø	0.03	27	TITUS	TMS-AA
C-6	VS	1-140	24 x 24	6"Ø	0.10	20	ACCUTHERM	THERMAFUSER HC
C-8	VS	145-225	24 x 24	8"Ø	0.10	20	ACCUTHERM	THERMAFUSER HC
C-10	VS	230-370	24 x 24	10"Ø	0.10	22	ACCUTHERM	THERMAFUSER HC
C-12	VS	375-550	24 x 24	12"Ø	0.14	27	ACCUTHERM	THERMAFUSER HC
D-6	E/R	0-90	24 x 24	6 x 6	0.10	23	TITUS	3FL
D-8	E/R	95-170	24 x 24	8 x 8	0.10	26	TITUS	3FL
D-10	E/R	175-275	24 x 24	10 x 10	0.10	28	TITUS	3FL
D-12	E/R	280-410	24 x 24	12 x 12	0.10	29	TITUS	3FL
D-14	E/R	415-560	24 x 24	14 x 14	0.10	30	TITUS	3FL
D-16	E/R	565-700	24 x 24	16 x 16	0.09	30	TITUS	3FL
D-18	E/R	705-860	24 x 24	18 x 18	0.08	30	TITUS	3FL
D-20	E/R	865-1030	24 x 24	20 x 20	0.07	30	TITUS	3FL
D-22	E/R/T	1035-1210	24 x 24	22 x 22	0.07	30	TITUS	3FL
D-34	E/R	1215-1840	24 x 36	22 x 34	0.06	30	TITUS	3FL
D-46	E/R	1845-2290	24 x 48	22 x 46	0.05	30	TITUS	3FL
(1) MAXIMUM STATIC PRESSURE AND NOISE CRITERIA IS FOR HORIZONTAL AIR PATTERN.								
MARK LEGEND:				AIR TYPE LEGEND:				
A) LOUVER FACED CEILING DIFFUSER. PROVIDE 24" x 24" LAY-IN FRAME IN T-BAR CEILING AND SURFACE MOUNTED FRAME IN SOLID CEILING CONSTRUCTION.				S - SUPPLY				
				VS - VARIABLE VOLUME SUPPLY				
				E - EXHAUST				
				R - RETURN				
				FR - FILTER RETURN				
B) LOUVER FACED CEILING DIFFUSER. PROVIDE 24" x 24" FRAME IN T-BAR CEILING AND SURFACE MOUNTED IN SOLID CEILING CONSTRUCTION. (FURNISH HORIZONTAL TO VERTICAL PATTERN CONTROLLER FOR CEILINGS 20' AFF AND ABOVE.)								
C) VAV DIFFUSER, AUTO CHANGE OVER TYPE WITH MIN. STOPS SET FOR 50% OF SUPPLY AIR.								
D) LOUVER FACED CEILING REGISTER. PROVIDE 24" x 24" LAY-IN FRAME IN T-BAR CEILING AND SURFACE MOUNTED FRAME IN SOLID CEILING CONSTRUCTION. PROVIDE OPPOSED BLADE BALANCING DAMPER, EXCEPT WHERE REGISTER IS USED AS PART OF A TRANSFER (NO CFM SPECIFIED).								


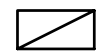
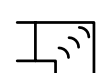




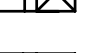

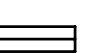

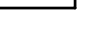

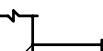
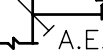
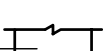
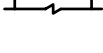
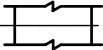

FAN SCHEDULE		
FAN DESIGNATION	EF-113	EF-114
AREA SERVED	WOMEN'S RESTROOM	MEN'S RESTROOM
FAN TYPE	CC	CC
AIR FLOW, CFM	50	200
E.S.P. IN. W.G.	0.25	0.25
FAN RPM	900	1,000
MOTOR HP (WATTS)	(29.4)	(83.1)
VOLTS/PHASE/HERTZ	120/1/60	120/1/60
DRIVE	DIRECT	DIRECT
SONES	1.2	2.5
MANUFACTURER	GREENHECK	GREENHECK
MODEL	SPA	SPA
SIZE	90	250
ACCESSORIES:		
BACKDAFT DAMPER	YES	YES
BIRD SCREEN	NO	NO
DISCONNECT SWITCH	YES	YES
ALUMINUM ROOF JACK	NO	NO
INTERLOCKS:	NOTE 2	NOTE 2
SEE NOTES:		
ROOF OPENING (IN.)	-	-
WEIGHT (lb.)	12	24
NOTES:	1. PROVIDE VARIABLE SPEED CONTROLLER. PERMANENTLY MARK BALANCING POINT ON DIAL AND MOUNT TO FAN CASING. 2. INTERLOCK FAN OPERATION WITH LIGHTING OCCUPANCY SENSOR CONTROL. INCORPORATE A 15-MINUTE DELAY-OFF TIMER.	
LEGEND:	C.C. ----- CABINET CENTRIFUGAL C.R.E. ----- CENTRIFUGAL ROOF EXHAUST I.L.C. ----- IN-LINE CENTRIFUGAL U.C.R.E. --- UPBLAST CENTRIFUGAL ROOF EXHAUST P.F. ----- PROPELLER FAN U.P.F. ----- UP-BLAST PROPELLER F.C.S. ----- FILTER CENTRIFUGAL SUPPLY	

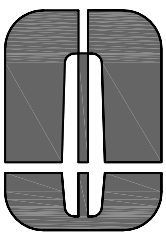
BRICK VENT SCHEDULE				
TAG	CFM	SIZE	SP (IN. WG.)	MANUFACTURER
BV=108	70	18" X 8"	0.01	GREENHECK
BV=114	250	18" X 8"	0.03	GREENHECK
BV=115	405	18" X 8"	0.08	GREENHECK

NOTES:

1. ALL MECHANICAL WORK, MATERIALS AND INSTALLATION SHALL COMPLY WITH THE 2007 FLORIDA BUILDING CODES, WITH ADOPTED AMENDMENTS, STATE AND LOCAL REGULATIONS AND ORDINANCES AND REQUIREMENTS OF THE DEPARTMENT OF HEALTH.
2. THE DRAWINGS ARE NOT INTENDED TO SHOW COMPLETE OR PRECISE DETAILS OF THE BUILDING OR INSTALLATION IN EVERY RESPECT. VERIFY AND COORDINATE ALL WORK AND EQUIPMENT LOCATIONS WITH OTHER TRADES BEFORE FABRICATION OR INSTALLATION OF THE WORK IS STARTED. COORDINATE ALL WORK WITH THE SPECIFICATIONS.
3. DUCT DIMENSIONS INDICATED ON THE DRAWINGS ARE INSIDE CLEAR DIMENSIONS.
4. LOW PRESSURE FLEXIBLE DUCT RUNS SHALL NOT EXCEED 14 FEET IN LENGTH.
5. ALL SQUARE ELBOWS SHALL HAVE TURNING VANES.
6. ALL LOW PRESSURE SUPPLY AND RETURN BRANCH TAPS SHALL HAVE AN OPPOSED BLADE DAMPER AT THE BRANCH TAKE-OFF.
7. ALL LOW PRESSURE DUCT SPLITS SHALL HAVE AN OPPOSED BLADE DAMPER ON THE SPLIT SIDE OF EACH BRANCH.
8. SEE HVAC "AIR DEVICE SCHEDULE" FOR FLEXIBLE DUCT SIZES TO CEILING DIFFUSERS.
9. MOUNT THERMOSTATS 4'-6" ABOVE FINISHED FLOOR.
10. REFRIGERANT LINES SHALL BE SIZED BY THE EQUIPMENT MANUFACTURER BASED ON CONTRACTOR FURNISHED ROUTING.
11. SEE THE MECHANICAL DRAWINGS FOR TYPICAL DETAILS AND SCHEDULES.

HVAC LEGEND

<u>ABBREVIATIONS</u>	AFF	ABOVE FINISHED FLOOR		DUCT SECTION POSITIVE PRESSURE
	AHU	AIR HANDLING UNIT		DUCT SECTION NEGATIVE PRESSURE
	CD	CONDENSATE DRAIN		ELBOW WITH TURNING VANES
	CU	CONDENSING UNIT		
	EXH	EXHAUST		
	F	FAN		CEILING SUPPLY DIFFUSER
	OA	OUTSIDE AIR		RETURN REGISTER/GRILLE
	RA	RETURN AIR		EXHAUST REGISTER/GRILLE
	SA	SUPPLY AIR		
<u>DESIGNATIONS</u>				DUCT UP (SUPPLY)
				DUCT DOWN (SUPPLY)
				SUPPLY LINEAR DIFFUSER
				RETURN LINEAR DIFFUSER
				FLEXIBLE DUCT
				AIR EXTRACTOR
				SMOKE DETECTOR, DUCT TYPE
				FIRE DAMPER
				THERMOSTAT TERMINAL UNIT NO.
				OPPOSED BLADE VOLUME DAMPER WITH LOCKING QUADRANT
				BACK DRAFT DAMPER
				MOTORIZED DAMPER
				DUCT ACCESS DOOR



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HVAC SCHEDULES,
NOTES AND LEGEND

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