

1. SUBSTITUTIONS OF EQUAL PERFORMANCE AND CONSTRUCTION ARE ACCEPTABLE ONLY WITH EOR PRIOR APPROVAL. SEE SPECIFICATIONS FOR ALL PERFORMANCE AND CONSTRUCTION REQUIREMENTS. CONTRACTOR TO SUBMIT SUBSTITUTION REQUEST TO EOR INDICATING ALL ELECTRICAL, PLUMBING, INSTALLATION AND SCREENING CHANGES THAT MUST OCCUR SHOULD AN ALTERNATE BE SUBMITTED. COST IMPACTS FOR SUBSTITUTION (SUCH AS INCREASED ELECTRICAL REQUIREMENTS AND ADDITIONAL SCREENING MATERIAL) TO BE PROVIDED BY CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
2. PROVIDE AHU WITH FACTORY HEAT KIT. SET MINIMUM FAN SPEED ACCORDING TO MANUFACTURER'S GUIDELINES.
3. PROVIDE SYSTEM WITH PROGRAMMABLE 7-DAY WIRELESS THERMOSTAT WITH ADAPTIVE HEAT RECOVERY. FOR SYSTEMS WITH ELECTRIC HEAT, CONTRACTOR TO PROVIDE T-STAT AND CONTROLLER TO PREVENT ELECTRIC HEAT FROM ENGAGING UNTIL HEAT PUMP CANNOT MEET DEMAND.
4. ROUTE CONDENSATE TO ROOM FLOOR DRAIN.
5. INSULATE AND WEATHER-PROTECT ALL REFRIGERANT PIPING PER SPECIFICATIONS.
6. PROVIDE MANUFACTURER'S MINIMUM INSTALLATION REQUIREMENTS. SEE DETAILS FOR ADDITIONAL INSTALLATION REQUIREMENTS.
7. PROVIDE 3 SETS OF FILTERS (ONE DURING CONSTRUCTION, ONE AT SUBSTANTIAL COMPLETION, AND ONE FOR STOCK).
8. ACCEPTABLE ALTERNATE MANUFACTURERS ARE DAIKIN & TRANE.
9. FURNISH AND INSTALL IONIZING PRE-FILTER SYSTEM BY GLOBAL PLASMA SOLUTIONS, OR EQUAL. IONIZING PRE-FILTER SHALL BE CAPABLE OF MAINTAINING INDOOR AIR QUALITY AT REDUCED OA VOLUMES IN ACCORDANCE WITH IMC.

1. FACTORY WOUND SINGLE LINE 1/2" CONNECTION, ANTI-SHORT CYCLE TIMER, MINIMUM EXPANSION VALVE, HIGH AND LOW PRESSURE CONTROLS, ECONOMIZER, DISCONNECT.
2. PROVIDE HORIZONTAL DISCHARGE CONFIGURATION.
3. UNIT MODES, EFFICIENCIES AND CAPACITIES AS SCHEDULED REPRESENT THE MINIMUM PERFORMANCE REQUIREMENT THAT MUST BE MET. ALTERNATE MANUFACTURER: DAIKIN & TRANE. SEE SPECIFICATIONS FOR ALL PERFORMANCE AND CONSTRUCTION REQUIREMENTS. CONTRACTOR TO SUBMIT SUBSTITUTION REQUEST TO EOR INDICATING ALL ELECTRICAL AND INSTALLATION CHANGES THAT MUST OCCUR SHOULD AN ALTERNATE BE SUBMITTED. COST IMPACTS FOR SUBSTITUTION (SUCH AS INCREASED ELECTRICAL REQUIREMENTS) TO BE PROVIDED BY CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
4. PROVIDE HUMID-MIZER, LEAVING AIR HUMIDITY SENSOR, AND ASSOCIATED DEHUMIDIFICATION SEQUENCE.
5. PROVIDE 3 SETS OF FILTERS (ONE DURING CONSTRUCTION, ONE AT SUBSTANTIAL COMPLETION, AND ONE FOR STOCK).
6. THERMOSTAT TO BE 7-DAY PROGRAMMABLE WITH ADAPTIVE HEAT RECOVERY; PROVIDE 5-DEGREE DEADBAND AND HEATING/COOLING OVERLAP RESTRICTION. COOLING SETBACK = 85°F. HEATING SETBACK = 55°F. UNIT IS TO OPERATE 24/7.
7. PROVIDE 3" SERVICE CLEARANCE AND 3" CLEARANCE TO COMBUSTIBLES.
8. PROVIDE EQUIPMENT PAD FOR UNIT, REFER TO MECHANICAL DETAIL ON MS01.
9. PROVIDE DUCT SMOKE DETECTOR IN THE SUPPLY DUCT. UPON DETECTION OF SMOKE OR GENERAL ALARM FROM FIRE ALARM SYSTEM, DETECTOR TO SHUTDOWN UNIT.

NOTES / ACCESSORIES:

1. PROVIDE WITH INTEGRAL GRAVITY BACKDRAFT DAMPER.
2. PROVIDE CEILING RADIATION DAMPER FOR FANS IN RATED CEILING. FOR EXHAUST FANS LOCATED IN DROPPED CEILINGS, DELETE BUILT IN RADIATION DAMPER AND PROVIDE CRD AT ANY RATED MEMBRANE PENETRATION.
3. INTERLOCK WITH SWITCHED LEG OF LOCAL LIGHTING CIRCUIT.
4. TIE TO EXHAUST FAN TO OPEN OA DAMPER. SEE AHU SCHEDULE.
5. FAN TO BE ENERGY STAR QUALIFIED. ENERGY STAR MARK TO BE CLEARLY MARKED ON TOP/FRONT OF PRODUCT.
6. FAN CONTROLLED BY WALL MOUNTED SWITCH, SEE ELECTRICAL PLANS.
7. REQUIRES CHLORINE RESISTANT COATING. GREENHECK: HI-PRO POLYESTER OR SIMILAR.
8. PROVIDE FACTORY ROOF CURB.
9. FACTORY MOUNTED DISCONNECT.
10. PROVIDE DISCONNECT SWITCH.
11. MOUNTED FAN FROM STRUCTURE ABOVE, REFER TO MS01 DETAILS FOR MORE.

* DURING NORMAL BUSINESS OPERATING HOURS

ACCEPTABLE ALTERNATE MANUFACTURERS: COOK & FANTECH

[illegible]

UNOCCUPIED: 85 DEG F

HEATING

OCCUPIED: 70 DEG F

UNOCCUPIED: 55 DEG F

FOR ELECTRICAL HEAT PUMP SYSTEMS, CONTRACTOR TO PROVIDE T-STAT AND CONTROLLER TO PREVENT ELECTRIC HEAT FROM ENGAGING UNTIL HEAT PUMP CANNOT MEET DEMAND.

COMMISSIONING AND TAB IS REQUIRED FOR HVAC SYSTEMS. ALL ECONOMIZERS TO BE TESTED FOR PROPER OPERATION.

NOTES/ACCESSORIES:

1. WIND-DRIVEN RAIN TYPE, AMCA 540 AND AMCA 550 CERTIFICATIONS. NOTICE OF APPROVAL NUMBER 17-1221.29.
2. PROVIDE WITH BRIDSCREEN AND BAKED ENAMEL 50% PVDF FINISH. COLOR TO BE APPROVED BY ARCHITECT.
3. PRESSURE DROP LISTED INCLUDES BIRD SCREEN (ALL) AND INTEGRAL DAMPER (IF ANY).

METAL - UNINSULATED	GENERAL EXHAUST	ALL
	DRYER EXHAUST	ALL
	RANGE HOOD EXHAUST	ALL
FLEXIBLE - INTERNALLY INSULATED	SUPPLY AIR, RETURN AIR	CONCEALED BRANCH CONNECTIONS NOT EXCEEDING 10 FEET

GENERAL NOTES:

1. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION
2. INSTALLED DUCT INSULATION THERMAL PERFORMANCE TO MEET OR EXCEED R-8 OUTSIDE OF THE THERMAL ENVELOPE.
3. THIS SCHEDULE DOES NOT ADDRESS FVRE-WRAP REQUIREMENTS. SEE PLANS FOR THAT INFORMATION.

B	8 X 6	8 X 6	135	SUPPLY	ALUMINUM	WHITE	TITUS 300FS	1, 2, 6
	12 X 6	12 X 6	245					
	18 X 8	18 X 8	350					
	36 X 6	30 X 6	550					
C	13.25 X 48	12"	365	SUPPLY	ALUMINUM	WHITE	TITUS FL-30	1, 7
D	5.25 X 48	8"	150	SUPPLY	ALUMINUM	WHITE	TITUS FL-10	1, 7
		8"	230					
M	11.75 X 11.75	8 X 8	220	RETURN/ EXHAUST	ALUMINUM	WHITE	TITUS 50FF	3
	10.75 X 15.75	12 X 12	440					
	24 X 24	22 X 22	1880					
N	11.75 X 11.75	8 X 8	220	RETURN/ EXHAUST	STEEL	WHITE	TITUS 50F	4
	15.75 X 15.75	12 X 12	440					
	24 X 24	22 X 22	1880					

KEY NOTES:

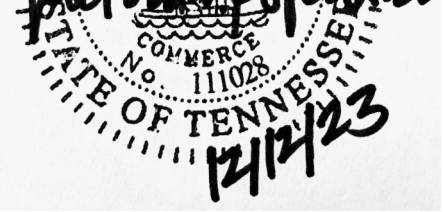
- PROVIDE SQUARE TO ROUND TRANSITIONS AS REQUIRED FOR COORDINATION OF DUCT AND AIR DEVICE NECK. REFER TO SPECIFICATIONS FOR MAXIMUM FLEX LENGTH. BALANCE OF DUCT SHOWN ON PLAN SHALL BE STEEL DUCT SAME SIZE AS BRANCH SIZE INDICATED, EXTERNALLY INSULATED.
- ALUMINUM SUPPLY GRILLE WITH FACE ADJUSTABLE DAMPER WHERE INSTALLED IN HARD CEILING.
- ALUMINUM 1/2"X1/2"X1/2" EGGRATE RETURN WITH FILTER.
- ALUMINUM 1/2"X1/2"X1/2" EGGRATE RETURN. FILTER SUPPLIED AT AIR HANDLING UNIT.
- ALUMINUM TRANSFER GRILLE CONNECT WITH RIGID METAL DUCT TO MATCH NECK SIZE.
- ALUMINUM DOUBLE DEFLECTION GRILLE FRONT BRAS THE SHORT DIRECTION.
- ALUMINUM 2-SLOT LINEAR DIFFUSER WITH JETTHROW AIR DISTRIBUTION PATTERN.

GENERAL NOTES:

- BORDER TYPE SHALL BE SELECTED AS COORDINATED WITH ARCHITECT'S REFLECTED CEILING PLAN.
- PROVIDE SQUARE TO ROUND TRANSITIONS AS REQUIRED FOR COORDINATION OF DUCT AND AIR DEVICE NECK.
- COORDINATE BRASS TYPE WITH LATEST ARCHITECTURAL REFLECTED CEILING PLAN.
- BRANCH DUCT TO DIFFUSER/GRILLE SHALL BE SAME AS NECK SIZE UNLESS NOTED OTHERWISE ON PLANS OR NOTE 5.
- FOR DEVICE "M", BRANCH DUCT SIZE IS 10 X 8 UP TO 300 CFM, 22 X 6 UP TO 500 CFM, 22 X 8 UP TO 800 CFM, 22 X 10 UP TO 1200 CFM, AND 22 X 12 UP TO 1600 CFM UNLESS OTHERWISE NOTED ON PLANS.
- PROVIDE CEILING RADIATION DAMPERS WHERE INSTALLED IN RATED FLOORING/CEILING ASSEMBLY.
- INSULATE THE TOPS OF ALL SUPPLY AIR DEVICES WITH 2" FIBERGLASS DUCT WRAP. SEAL AIR TIGHT AROUND EDGES TO PREVENT CONDENSATION.

RETURN AIR	2
OUTDOOR AIR	2
EXHAUST AIR	2

**FRANKLIN CO. ANIMAL CONTROL
GEORGE FRALEY PARKWAY
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SCHEDULING DIAGRAMS

M6.01



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