

SPLIT SYSTEM FURNACE SCHEDULE

TAG	FAN DATA			HEATING DATA		DX COOLING DATA		ELECTRICAL		FURNACE		TAG	ELECTRICAL		CONDENSING UNIT		REMARKS		
	CFM SA	CFM OA	ESP " WG	HP	MBH	MBH Q	MBH S	MCA	MOCF	VOLT/Ø	MODEL NO.		MCA	MOCF	VOLT/Ø	MODEL NO.			
F-1	1525	200	0.4	1/2	60	56	47.0	35.3	12.8	15	15/1	58MB-060-16	CN/P-F-046	ACCU-1	26.7	40	208/1	24ACA-046	①②③④
F-2	1500	200	0.4	1/2	60	56	47.0	35.3	12.8	15	15/1	58MB-060-16	CN/P-F-046	ACCU-3	26.7	40	208/1	24ACA-046	①②③④
F-3	1675	225	0.4	3/4	80	75	54.4	45.4	14.3	20	15/1	58MB-080-20	CN/P-F-060	ACCU-2	35.0	60	208/1	24ACA-060	①②③④

- NOTES:
① SELECTIONS BASED ON CARRIER (MIN SEER 14). NO OTHER MANUFACTURERS ARE ALLOWED.
② PROVIDE WITH CONCENTRIC VENT KIT.
- ③ CONDENSER ENTERING AIR: 49° F.
④ NATURAL GAS INLET PRESSURE: 7 - 10 IN WC.



EXHAUST FAN SCHEDULE

TAG	LOCATION	SERVICE	FAN TYPE	CFM	ESP, IN. WG	RPM	DRIVE	WATTS	VOLTS/	MODEL NO.	REMARKS
EF-1	POWDER	EXHAUST	CABINET	75	25	700	DIRECT	50	115/1	SP-B040	①②
EF-2	JANITOR	EXHAUST	CABINET	75	25	700	DIRECT	50	115/1	SP-B040	①②
EF-3	TOILET/SHOWER	EXHAUST	CABINET	100	25	1100	DIRECT	53	115/1	SP-A125	①②
EF-4	TOILET/SHOWER	EXHAUST	CABINET	100	25	1100	DIRECT	53	115/1	SP-A125	①②
EF-5	TOILET/BATH TUB	EXHAUST	CABINET	100	25	1100	DIRECT	53	115/1	SP-A125	①②
EF-6	IT ROOM	EXHAUST	CABINET	50	25	675	DIRECT	45	115/1	SPB-070	①②③
EF-7	SPRINKLER	EXHAUST	CABINET	50	25	675	DIRECT	45	115/1	SPB-070	①②③
EF-8	ELECTRICAL	EXHAUST	CABINET	50	25	675	DIRECT	45	115/1	SPB-070	①②③
EF-4	MEDICATION CLOSET	EXHAUST	CABINET	75	25	700	DIRECT	50	115/1	SP-B040	①②③

- NOTES:
- ① SELECTIONS BASED ON GREENHECK
- ② PROVIDE ALL UNITS WITH INTEGRAL DISCONNECT, BACKDRAFT DAMPER AND VARIABLE SPEED CONTROLLERS.
- ③ PROVIDE THERMOSTAT TO CYCLE FAN.
- ④ SEE ARCHITECTURAL DRAWINGS & SPECS FOR KITCHEN EXHAUST HOOD & FAN.

RELIEF VENT SCHEDULE

TAG	SERVICE	MAXIMUM AIRFLOW (CFM)	ROOF OPENING (INCHES)	THROAT AREA (SQ. FT.)	MAX. STATIC PRESSURE DROP (" WG)	MATERIAL	MODEL NUMBER	REMARKS
IV-1	INTAKE	150	10X10	0.7	0.1	ALUMINUM	GRS-10	①②
IV-2	INTAKE	425	12X12	1.0	0.1	ALUMINUM	GRS-12	①②
RV-1	EXHAUST	325	10X10	0.7	0.1	ALUMINUM	GRS-10	①②
RV-2	EXHAUST	350	10X10	0.7	0.1	ALUMINUM	GRS-10	①②
RV-3	EXHAUST	150	8x8	0.45	0.1	ALUMINUM	GRS-8	①②

- NOTES:
- ① SELECTIONS BASED ON GREENHECK
- ② PROVIDE WITH MANUFACTURER'S ROOF CURB AND BACKDRAFT DAMPER. COORDINATE WITH ARCHITECTURAL DRAWINGS.

REGISTER, GRILLE AND DIFFUSER SCHEDULE

MARK	TYPE	FINISH	MAX CFM	SIZE	MAX PD IN WG	MODEL NUMBER	REMARKS
(A)	REGISTER	WHITE	50	8x4	0.1	1102M	①②
(B)	REGISTER	WHITE	100	10x4	0.1	1102M	①②
(C)	REGISTER	WHITE	150	12x6	0.1	1102M	①②
(D)	REGISTER	WHITE	175	12x8	0.1	1102M	①②
(E)	REGISTER	WHITE	225	14x8	0.1	1102M	①②
(F)	REGISTER	WHITE	250	14x10	0.1	1102M	①②
(A)	GRILLE	WHITE	1325	36x16	0.1	1410	①
(X)	GRILLE	WHITE	200	14x8	0.1	1410	①
(Y)	GRILLE	WHITE	400	16x10	0.1	1410	①
(Z)	GRILLE	WHITE	1650	24x24	0.1	1410	①

- NOTES:
- ① SELECTION BASED ON USAIRE.
- ② PROVIDE WITH TWO-WAY PATTERN.

ELECTRIC UNIT HEATER SCHEDULE

MARK	VOLT/Ø	INPUT KW	OUTPUT MBH	NOMINAL CFM	MODEL NO.	REMARKS
UH-1	208/1	3.3	11.2	400	FTH503N	①②

- NOTES:
- ① SELECTIONS BASED ON MARKEL.
- ② PROVIDE WITH INTEGRAL TAMPER RESISTANT THERMOSTAT & DISCONNECT SWITCH.

GENERAL NOTES

GENERAL NOTES ON THIS DRAWING ARE APPLICABLE TO EACH HVAC DRAWING OF THIS SET. SEE EACH DRAWING FOR SPECIFIC NOTES APPLICABLE TO THAT DRAWING.

COORDINATE THAT OUTSIDE AIR INTAKE OPENINGS FOR VENTILATION AIR ARE LOCATED AT LEAST 10 FEET MEASURED IN ANY DIRECTION FROM ANY FLUES, VENTS, CHIMNEYS, GAS METERS, GAS REGULATORS, PLUMBING VENTS, UNLESS TOP OF SUCH INTAKE OPENING IS 2 FEET BELOW ANY OF THE LISTED ITEMS.

OVERRIDE DUCTWORK AND PIPING IN SPACES WITH CEILING SHALL BE CONCEALED UNLESS OTHERWISE NOTED.

COORDINATE LOCATION OF GRILLES, REGISTERS, DIFFUSERS, THERMOSTATS AND OTHER WALL OR CEILING MOUNTED HVAC ACCESSORIES WITH REFLECTED CEILING PLAN LIGHTING FIXTURE LAYOUT AND ACCESSORIES INSTALLED BY OTHER TRADES.

THE DIAMETER OF THE SUPPLY PIPE AT ANY GAS FIRED EQUIPMENT SHALL NOT BE OF A SMALLER SIZE THAN THE INLET CONNECTION TO THE EQUIPMENT.

ARRANGE PIPING AND DUCTWORK, PARTICULARLY ABOVE CEILING AS REQUIRED TO CLEAR STRUCTURE, DUCTS, CONDUNITS, ETC., ALLOWING SPACE FOR PIPE HANGERS, EXPANSION LOOPS AND ACCESS TO VALVES, FILTERS, AND MAINTENANCE OF EQUIPMENT.

EQUIPMENT WITH FILTERS SHALL BE INSTALLED SO THAT FILTERS CAN BE EASILY REMOVED AND REPLACED.

CONTRACTOR SHALL VERIFY REFRIGERANT PIPE SIZES WITH EQUIPMENT MANUFACTURER FOR THE INDICATED INSTALLATION.

COORDINATE LOCATION AND INSTALLATION OF EQUIPMENT WITH OTHER TRADES.

PROVIDE STANDARD EMERGENCY CUT-OFF SWITCH FOR EACH GAS BURNER NEAR THE EQUIPMENT ROOM DOOR.

DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF DOORS, WINDOWS, ETC.

INSTALL THERMOSTATS WHERE LOCATED ON THE PLANS AND AT 48" ABOVE FINISH FLOOR. PROVIDE WITH TAMPER RESISTANT COVERS.

PIPING, DUCTWORK, VENTS, ETC., EXTENDING THROUGH EXTERIOR WALLS AND ROOF SHALL BE FLASHED AND COUNTER-FLASHED IN A WEATHERPROOF MANNER. SEE ARCHITECTURAL DRAWINGS.

EXTEND DRAIN LINES AS INDICATED. ROOFING SHALL NOT INTERFERE WITH PASSAGEWAYS AND MAINTENANCE. DRAINS FROM AIR CONDITIONING CONDENSATE DRAIN PANS SHALL BE TRAPPED. SLOPE CONDENSATE DRAIN PIPING AT 1/4" PER FOOT. VERIFY INVERT IS ESTABLISHED AFTER AIR HANDLING UNIT IS INSTALLED BUT PRIOR TO DUCTWORK INSTALLATION.

DUCTWORK INSULATION SHALL BE R10 CONTINUOUSLY THROUGH NON-RATED FLOORS, WALLS, ROOF AND PARTITIONS, UNLESS OTHERWISE INDICATED.

FOR PIPE SIZES NOT INDICATED ON PLANS, SEE EQUIPMENT CONNECTION DETAILS, FLOW DIAGRAMS AND RISER DIAGRAMS.

PROVIDE UNION OR FLANGED CONNECTIONS AT EACH PIECE OF EQUIPMENT AND ON BOTH SIDES ON CONTROL VALVES AND PRESSURE REGULATING VALVES. PROVIDE SHUT-OFF VALVES ON BOTH SIDES OF AUTOMATIC VALVES.

LOCATE AND SIZE CONCRETE PADS AND CURBS FOR MECHANICAL EQUIPMENT IN ACCORDANCE WITH ACTUAL EQUIPMENT PURCHASED.

FOR LOCATION OF MOTOR STARTERS, SEE ELECTRICAL DRAWINGS.

SHEET METAL

PROVIDE ACCESS DOORS IN DUCTWORK WHERE INDICATED OR REQUIRED FOR ACCESS TO SYSTEM COMPONENTS INCLUDING THE FOLLOWING:

- DAMPER MOTORS AND/OR MOTOR OPERATED DAMPERS
- FILTERS
- HEATING AND COOLING COILS
- FAN BEARINGS
- CONTROL DAMPERS

INSTALL CEILING REGISTERS A MINIMUM OF 6" FROM EXTERIOR WALL.

PROVIDE A MINIMUM OF THREE TIMES THE FAN DIAMETER OF STRAIGHT DUCTWORK OFF A TAN DISCHARGE BEFORE ANY TAKEOFFS OR ELBOWS.

DUCTWORK SHALL BE CONSTRUCTED TO THE SMACNA STATIC PRESSURE CLASSIFICATION OF 1" WG. AND SEAL CLASS "C".

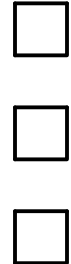
LEGEND and ABBREVIATIONS

①	NEW WORK NOTE DESIGNATION
ACCU-1	AIR COOLED CONDENSING UNIT DESIGNATION
EF-1	EXHAUST FAN DESIGNATION
F-1	FURNACE DESIGNATION
UH-1	UNIT HEATER DESIGNATION
⓪	WALL THERMOSTAT
⊗	GRILLE, REGISTER OR DIFFUSER MARK (GFM AS INDICATED)
200	SUPPLY AIR/OUTSIDE AIR DUCT SECTION
⊠	RETURN/EXHAUST DUCT SECTION
▣	EXHAUST DUCT SECTION THROUGH ROOF
⊞	DUCT TURNING UP
⊞	DUCT TURNING DOWN
⊞	CEILING SUPPLY REGISTER
⊞	SIDEWALL SUPPLY REGISTER
⊞	CEILING RETURN/EXHAUST REGISTER
⊞	MITERED ELBOW WITH TURNING VANES
⊞	GATE VALVE
⊞	UNION
⊞	PIPE TURNING UP
⊞	PIPE TURNING DOWN
⊞	DIRECTION OF PITCH DOWN
⊞	DIRECTION OF FLOW
⊞	CONDENSATE DRAIN
⊞	NATURAL GAS
GFM	CUBIC FEET PER MINUTE
DB	DRY BULB TEMPERATURE
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
ESP	EXTERNAL STATIC PRESSURE
HP	HORSEPOWER
LAT	LEAVING AIR TEMPERATURE
MAX	MAXIMUM
MBH	1000 BRITISH THERMAL UNITS PER HOUR
MCA	MIN CIRCUIT AMPACITY
MIN	MINIMUM
MOCF	MAX OVERCURRENT PROTECTION
OA	OUTSIDE AIR
PD	PRESSURE DROP
RA	RETURN AIR
RPM	REVOLUTIONS PER MINUTE
RS/RL	REFRIGERANT PIPING
SA	SUPPLY AIR
WB	WET BULB TEMPERATURE
WG	WATER GAUGE
U.O.N.	UNLESS OTHERWISE NOTED
°	PHASE/DIAPETER
°F	DEGREE FAHRENHEIT

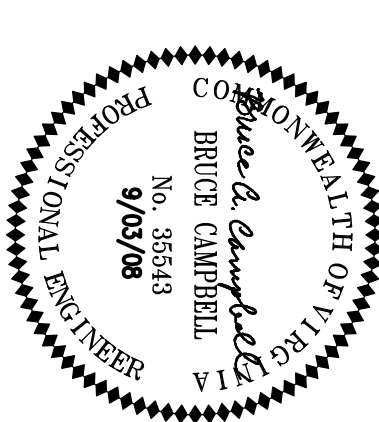


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LEGEND, NOTES
ABBREVIATIONS,
AND SCHEDULES -
MECHANICAL

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9/30/08
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