CHILLED & HOT WATER FAN/COIL UNIT

MARK	FAN: SUPPLY AIR CFM	FAN: OUTSIDE AIR CFM	FAN: EXT.STATIC PRESSURE (IN. W.C.)	FAN: HORSE POWER	FAN: MOTOR QUANTITY	FAN: CURRENT V	FAN: CURRENT P	FAN: CURRENT F	COOLING: AIR TEMPERATURE (°F) ENTERING DRY BULB	COOLING: AIR TEMPERATURE (°F) ENTERING WET BULB	COOLING: MIN. TOTAL CAPACITY (BTUH)	COOLING: MIN. SENSIBLE CAPACITY (BTHU)	COOLING: WATER ENTERING TEMP(°F)	COOLING: WATER GPM	COOLING: WATER PRESSURE DROP (FT.)	HEATING: ENTERING AIR TEMPERATURE (°F)	HEATING: MIN. CAPACITY (BTUH)	HEATING: WATER ENTERING TEMP.(°F)	HEATING: WATER GPM	HEATING: WATER PRESSURE DROP (FT.)	Manufacturer	Model Number	REMARKS
FCU-1-1	1,000	100	0.80	0.1	2	277	1	60	77.0	64.0	29,500	21,500	45	5	5.0	68.0	21,600	180	2.2	5.0	CARRIER	42C	1,2,3,4,5,6,7,8,9,10
FCU-1-2	1,000	100	0.80	0.1	2	277	1	60	77.0	64.0	29,500	21,500	45	5	5.0	68.0	21,600	180	2.2	5.0	CARRIER	42C	1,2,3,4,5,6,7,8,9,10
FCU-1-3	1,000	100	0.80	0.1	2	277	1	60	77.0	64.0	29,500	21,500	45	5	5.0	68.0	21,600	180	2.2	5.0	CARRIER	42C	1,2,3,4,5,6,7,8,9,10
FCU-1-4	1,000	100	0.80	0.1	2	277	1	60	77.0	64.0	29,500	21,500	45	5	5.0	68.0	21,600	180	2.2	5.0	CARRIER	42C	1,2,3,4,5,6,7,8,9,10
FCU-3-1	1,000	0	0.80	0.1	2	277	1	60	74.0	62.0	25,600	20,500	45	5	5.0	68.0	21,600	180	2.2	5.0	CARRIER	42C	1,2,3,4,5,6,7,8,9,10
FCU-4-1	1,000	0	0.80	0.1	2	277	1	60	74.0	62.0	25,600	20,500	45	5	5.0	68.0	21,600	180	2.2	5.0	CARRIER	42C	1,2,3,4,5,6,7,8,9,10
FCU-4-2	1,000	0	0.80	0.1	2	277	1	60	74.0	62.0	25,600	20,500	45	5	5.0	68.0	21,600	180	2.2	5.0	CARRIER	42C	1,2,3,4,5,6,7,8,9,10

GENERAL NOTES:
1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, DAMPERS, AND DUCT MOUNTED HOT WATER COILS WHERE APPLICABLE. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.
2. MAINTAIN MINIMUM CLEARANCE FOR COIL PULL AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.
3. APPROVED ALTERNATE: NAILOR D40H

REMARKS:
1. VELOCITY NOT TO EXCEED 500 FPM ON COOLING COIL.
2. PROVIDE HORIZONTAL UNIT.
3. PROVIDE CONSTANT VOLUME UNIT.
4. PROVIDE HOT WATER COIL IN REHEAT POSITION.
5. PROVIDE WITH LOW VELOCITY ANGLED FILTER SECTION.
6. PROVIDE WITH FLOAT SWITCH AUTOMATIC SHUT OFF.
7. SUSPEND UNIT WITH FOUR THREADED HANGER RODS ATTACHED TO TWO UNISTRUT RUNNERS SECURED TO STRUCTURE. PROVIDE SPRING ISOLATION
8. REFER TO MANUFACTURER FOR MORE DETAILS.
9. PROVIDE 2-WAY CONTROL VALVES FOR COOLING.
10. PROVIDE 2-WAY CONTROL VALVES FOR HYDRONIC HOT WATER HEATING.

DUCTLESS MINI-SPLIT - INDOOR UNIT

MARK	FAN: SUPPLY AIR CFM	FAN: EXT.STATIC PRESSURE (IN. W.C.)	FAN: HORSE POWER	FAN: CURRENT CHARAC. V	FAN: CURRENT CHARAC. P	FAN: CURRENT CHARAC. F	AIR TEMPERATURE (°F): ENTERING DRY BULB	AIR TEMPERATURE (°F): ENTERING WET BULB	COOLING: MIN. TOTAL CAPACITY (BTUH)	COOLING: MIN. SENS. CAPACITY (BTUH)	COOLING: MINIMUM EER/ SEER	MODEL	REMARKS
DMS-1-1	400	0.30	0.1	208	1	60	74.0	64.0	24,000	19,000	13.4	MSY	1, 2, 3, 4
DMS-1-2	400	0.30	0.1	208	1	60	74.0	64.0	24,000	19,000	13.4	MSY	1, 2, 3, 4
DMS-2-1	400	0.30	0.1	208	1	60	74.0	64.0	24,000	19,000	13.4	MSY	1, 2, 3, 4
DMS-2-2	400	0.30	0.1	208	1	60	74.0	64.0	24,000	19,000	13.4	MSY	1, 2, 3, 4
DMS-2-3	400	0.30	0.1	208	1	60	74.0	64.0	24,000	19,000	13.4	MSY	1, 2, 3, 4
DMS-3-1	400	0.30	0.1	208	1	60	74.0	64.0	24,000	19,000	13.4	MSY	1, 2, 3, 4
DMS-3-2	400	0.30	0.1	208	1	60	74.0	64.0	24,000	19,000	13.4	MSY	1, 2, 3, 4
DMS-4-1	400	0.30	0.1	208	1	60	74.0	64.0	24,000	19,000	13.4	MSY	1, 2, 3, 4
DMS-4-2	400	0.30	0.1	208	1	60	74.0	64.0	24,000	19,000	13.4	MSY	1, 2, 3, 4

GENERAL NOTES:
1. EXTERNAL STATIC PRESSURE INCLUDES LOSSES DUE TO DUCTWORK, AIR DEVICES, DAMPERS, AND DUCT MOUNTED HOT WATER COILS WHERE APPLICABLE. DIRTY FILTER AND UNIT CASING MUST BE ADDED TO EXTERNAL STATIC PRESSURE TO OBTAIN TOTAL PRESSURE LOSS. INCREASE HORSEPOWER AS REQUIRED TO MEET YOUR TOTAL PRESSURE LOSS. COORDINATE WITH ELECTRICIAN.
2. MAINTAIN MINIMUM CLEARANCE FOR COIL PULL AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.
3. APPROVED ALTERNATE: SAMSUNG CAC

REMARKS:
1. UNIT TO BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. CONTROLLED BY PROGRAMMABLE WIRED THERMOSTAT.
3. REFRIGERANT LINES TO BE SIZED PER MANUFACTURER'S REQUIREMENTS.
4. INDOOR UNIT IS POWERED FROM OUTDOOR UNIT.

DUCTLESS MINI-SPLIT - OUTDOOR UNIT

MARK	MIN. TOTAL CAPACITY (BTUH)	OUTDOOR AIR TEMP (°F)	MINIMUM SEER2	CURRENT CHARAC. V	CURRENT CHARAC. PH	CURRENT CHARAC. F	RELATED UNIT MARK	BASIS OF DESIGN: MANUFACTURER	BASIS OF DESIGN: MODEL	BASIS OF DESIGN: MCA	BASIS OF DESIGN: MOCP	REMARKS
CU-1-1	24,000	105	13.4	208	1	60	DMS-1-1	MITSUBISHI	MUY	23	40	1
CU-1-2	24,000	105	13.4	208	1	60	DMS-1-2	MITSUBISHI	MUY	23	40	1
CU-2-1	24,000	105	13.4	208	1	60	DMS-2-1	MITSUBISHI	MUY	23	40	2
CU-2-2	24,000	105	13.4	208	1	60	DMS-2-2	MITSUBISHI	MUY	23	40	2
CU-2-3	24,000	105	13.4	208	1	60	DMS-2-3	MITSUBISHI	MUY	23	40	2
CU-3-1	24,000	105	13.4	208	1	60	DMS-3-1	MITSUBISHI	MUY	23	40	2
CU-3-2	24,000	105	13.4	208	1	60	DMS-3-2	MITSUBISHI	MUY	23	40	2
CU-4-1	24,000	105	13.4	208	1	60	DMS-4-1	MITSUBISHI	MUY	23	40	2
CU-4-2	24,000	105	13.4	208	1	60	DMS-4-2	MITSUBISHI	MUY	23	40	2

GENERAL NOTES:
1. MINIMUM RECOMMENDED CLEARANCE AROUND OUTDOOR UNIT IS 12 INCHES ON NON-SERVICE SIDES AND 30 INCHES ON SERVICE SIDES. MAINTAIN MINIMUM CLEARANCE FOR CONDENSER AIR FLOW AS RECOMMENDED BY UNIT MANUFACTURER. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON UNIT FOR SERVICE, MAINTENANCE, AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCE AS REQUIRED BY NEC.
2. APPROVED ALTERNATE: SAMSUNG CAC

REMARKS:
1. UNIT TO BE WALL MOUNTED.
2. UNIT TO BE MOUNTED ON OUTDOOR RACK. SECURED TO ROOF PER MANUFACTURER'S RECOMMENDATION.

GRAVITY INTAKE

MARK	CFM	MAX. S.P. (IN.WC.)	MIN. THROAT AREA (ft)	MANUFACTURER	MODEL	REMARKS
GF-1	5,000	.3	6	GREENHECK	ESD-635PD	1,2

REMARKS:
1. PROVIDE WITH ROOF CURB.
2. PROVIDE WITH BIRD SCREEN.
3. APPROVED ALTERNATE: COOK GI

SILENCER SCHEDULE

TAG	SYSTEM	DIMENSIONS: DUCT WIDTH, IN.	DIMENSIONS: DUCT HEIGHT, IN.	DIMENSIONS: EST. LENGTH IN.	AIRFLOW, CFM	VELOCITY, FPM	MAX DP IN.W.G.	MINIMUM DYNAMIC INSERTION LOSS, dB — OCTAVE BAND CENTER FREQUENCY, HZ: 63	125	250	500	1000	2000	4000	8000	QUANTITY	EXAMPLE SILENCER
RA-1-1-A, B, & C	AHU-1-1 & AHU-1-2	36	18	60	-1,870	-415	0.25	8	15	20	10	5				3	IAC - 5LFM
RA-1-2-A & B	AHU-1-1 & AHU-1-2	48	18	60	-3,050	-500	0.25	8	15	20	10	5				2	IAC - 5LFM
RA-1-3-A, B & C	AHU-1-3 & AHU-1-4	36	18	60	-1,870	-415	0.25	8	15	20	10	5				3	IAC - 3LFM
RA-2-1-A	AHU-2-1 & AHU-2-2	60	18	36	-4,525	-605	0.25	5	10	15	15	5				1	IAC - 3LFM
RA-2-1-B & C	AHU-2-1 & AHU-2-2	32	18	36	-2,420	-605	0.25	5	10	15	15	5				2	IAC - 3LFM
RA-2-2-A	AHU-2-1 & AHU-2-2	48	18	36	-3,620	-605	0.25	5	10	15	15	5				1	IAC - 3LFM
RA-2-2-B & C	AHU-2-1 & AHU-2-2	60	18	36	-4,525	-605	0.25	5	10	15	15	5				2	IAC - 3LFM
RA-2-3-A	AHU-2-3	60	18	36	-5,040	-675	0.25		5	15	10	5				1	IAC - 3LFM
RA-3-1-A & B	AHU-3-1 & AHU-4-1	52	18	60	-3,400	-520	0.25	5	15	15	10	5				2	IAC - 5LFM
RA-3-1-C	AHU-3-1 & AHU-4-1	36	18	36	-2,300	-515	0.25	5	10	15	10	5				1	IAC - 3LFM
RA-3-2-A	AHU-3-2	60	18	36	-5,000	-667	0.25		5	15						1	IAC - 3LFM
RA-4-1-A	AHU-4-1	56	40	36	-10,720	-690	0.25	5	8	15	15	5				1	IAC - 3LFM
RA-4-2-A & B	AHU-4-2	36	16	36	-2,200	-550	0.25	5	8	15	15	5				2	IAC - 3LFM

TERMINAL BOX

MARK	MAXIMUM CFM	DESIGN CFM	MINIMUM PRIMARY AIR CFM	FAN POWERED	Horse Power	INLET DIAMETER SIZE (IN.)	VOLTAGE	PHASE	FREQUENCY	HOT WATER COIL: GPM	HOT WATER COIL: EWT-H	HOT WATER COIL: MIN HEATING BTUH	REMARKS
FPB-1-1-1	2,400	1,400	420	YES	0.75	14	277	1	60	3.3	180 °F	32,800	1, 2, 4
FPB-1-1-2	2,400	1,400	420	YES	0.75	14	277	1	60	3.3	180 °F	32,800	1, 2, 4
FPB-1-1-3	2,400	1,400	420	YES	0.75	14	277	1	60	3.3	180 °F	32,800	1, 2, 4
FPB-1-1-4	2,400	1,400	420	YES	0.75	14	277	1	60	3.3	180 °F	32,800	1, 2, 4
FPB-1-2-1	1,500	1,200	360	YES	0.50	12	277	1	60	2.8	180 °F	28,100	1, 2, 4
FPB-1-2-2	1,500	1,200	360	YES	0.50	12	277	1	60	2.8	180 °F	28,100	1, 2, 4
FPB-1-2-3	1,500	1,200	360	YES	0.50	12	277	1	60	2.8	180 °F	28,100	1, 2, 4
FPB-1-2-4	1,200	1,000	300	YES	0.50	10	277	1	60	2.3	180 °F	23,400	1, 2, 4
FPB-1-2-5	2,400	1,500	450	YES	0.75	14	277	1	60	3.5	180 °F	35,100	1, 2, 4
FPB-1-3-1	2,400	1,400	420	YES	0.75	14	277	1	60	3.3	180 °F	32,800	1, 2, 4
FPB-1-3-2	1,500	1,200	360	YES	0.50	12	277	1	60	2.8	180 °F	28,100	1, 2, 4
FPB-1-3-3	1,500	1,200	360	YES	0.50	12	277	1	60	2.8	180 °F	28,100	1, 2, 4
FPB-1-3-4	1,500	1,200	360	YES	0.50	12	277	1	60	2.8	180 °F	28,100	1, 2, 4
FPB-2-1-1	2,400	1,600	480	YES	0.75	14	277	1	60	3.7	180 °F	37,400	1, 2, 4
FPB-2-1-2	2,400	1,800	540	YES	0.75	14	277	1	60	4.2	180 °F	42,100	1, 2, 4
FPB-2-1-3	1,200	920	280	YES	0.50	10	277	1	60	2.2	180 °F	21,600	1, 2, 4
FPB-2-1-4	2,400	2,000	600	YES	0.75	14	277	1	60	4.7	180 °F	46,800	1, 2, 4
FPB-2-1-5	1,500	1,200	360	YES	0.50	12	277	1	60	2.8	180 °F	28,100	1, 2, 4
FPB-2-1-6	2,400	1,400	420	YES	0.75	14	277	1	60	3.3	180 °F	32,800	1, 2, 4
FPB-2-1-7	1,500	1,100	330	YES	0.50	12	277	1	60	2.6	180 °F	25,700	1, 2, 4
FPB-2-3-1	900	460	140	YES	0.25	8	277	1	60	1.1	180 °F	10,800	1, 2, 4
FPB-2-3-2	1,200	1,000	300	YES	0.50	10	277	1	60	2.3	180 °F	23,400	1, 2, 4
FPB-2-3-3	2,400	1,400	420	YES	0.75	14	277	1	60	3.3	180 °F	32,800	1, 2, 4
FPB-2-3-4	2,400	1800	540	YES	0.75	14	277	1	60	4.2	180 °F	42,100	1, 2, 4
FPB-2-3-5	900	680	210	YES	0.25	8	277	1	60	1.6	180 °F	16,200	1, 2, 4
FPB-2-3-6	1,200	1,000	300	YES	0.50	10	277	1	60	2.3	180 °F	23,400	1, 2, 4
FPB-2-3-7	2,400	1,600	480	YES	0.75	14	277	1	60	3.7	180 °F	37,400	1, 2, 4
FPB-2-3-8	1,200	1,000	300	YES	0.50	10	277	1	60	2.3	180 °F	23,400	1, 2, 4
FPB-2-3-9	900	600	180	YES	0.25	8	277	1	60	1.4	180 °F	14,000	1, 2, 4
FPB-2-3-10	900	540	160	YES	0.25	8	277	1	60	1.3	180 °F	12,700	1, 2, 4
FPB-3-1-1	2,400	1,500	450	YES	0.75	14	277	1	60	3.5	180 °F	35,100	1, 2, 4
FPB-3-1-2	1,500	1,250	380	YES	0.75	12	277	1	60	3.0	180 °F	29,400	1, 2, 4
FPB-3-1-3	1,200	960	290	YES	0.50	10	277	1	60	2.3	180 °F	22,500	1, 2, 4
FPB-3-1-4	2,400	1,800	540	YES	0.75	14	277	1	60	4.2	180 °F	42,100	1, 2, 4
FPB-3-1-5	2,400	1,800	540	YES	0.75	14	277	1	60	4.2	180 °F	42,100	1, 2, 4
FPB-3-1-6	2,400	1,800	540	YES	0.75	14	277	1	60	4.2	180 °F	42,100	1, 2, 4
FPB-3-2-1	1,200	860	260	YES	0.50	10	277	1	60	2.0	180 °F	20,100	1, 2, 4
FPB-3-2-2	2,400	1,500	450	YES	0.75	14	277	1	60	3.5	180 °F	35,100	1, 2, 4
FPB-3-2-3	2,400	1,500	450	YES	0.75	14	277	1	60	3.5	180 °F	35,100	1, 2, 4
FPB-3-2-4	1,500	1,200	360	YES	0.50	12	277	1	60	2.8	180 °F	28,100	1, 2, 4
FPB-3-2-5	1,500	1,200	360	YES	0.50	12	277	1	60	2.8	180 °F	28,100	1, 2, 4
FPB-3-2-6	1,200	1,000	300	YES	0.50	10	277	1	60	2.3	180 °F	23,400	1, 2, 4
FPB-3-2-7	1,500	1,200	360	YES	0.50	12	277	1	60	2.8	180 °F	28,100	1, 2, 4
FPB-3-2-8	1,200	1,000	300	YES	0.50	10	277	1	60	2.3	180 °F	23,400	1, 2, 4
FPB-3-2-9	2,400	1,800	540	YES	0.75	14	277	1	60	4.2	180 °F	42,100	1, 2, 4
FPB-3-2-10	900	660	200	YES	0.25	8	277	1	60	1.6	180 °F	15,500	1, 2, 4
FPB-3-2-11	900	550	170	YES	0.25	8	277	1	60	1.3	180 °F	12,800	1, 2, 4
FPB-4-1-1	1,500	1,200	360	YES	0.50	10	277	1	60	2.3	180 °F	23,400	1, 2, 4
FPB-4-1-2	1,200	840	250	YES	0.50	10	277	1	60	2.0	180 °F	19,700	1, 2, 4
FPB-4-1-3	900	440	130	YES	0.25	8	277	1	60	1.0	180 °F	10,300	1, 2, 4
FPB-4-1-4	900	420	130	YES	0.25	8	277	1	60	0.9	180 °F	9,300	1, 2, 4
FPB-4-1-5	900	420	130	YES	0.25	8	277	1	60	0.9	180 °F	9,300	1, 2, 4
FPB-4-1-6	1,200	800	240	YES	0.50	10	277	1	60	1.9	180 °F	18,700	1, 2, 4
FPB-4-1-7	900	700	120	YES	0.25	8	277	1	60	0.9	180 °F	9,300	1, 2, 4
FPB-4-1-8	900	620	190	YES	0.25	8	277	1	60	1.5	180 °F	14,600	1, 2, 4
FPB-4-1-9	900	600	180	YES	0.25	8	277	1	60	1.4	180 °F	14,200	1, 2, 4
FPB-4-1-10	900	700	120	YES	0.25	8	277	1	60	0.9	180 °F	9,300	1, 2, 4
FPB-4-1-11	900	630	190	YES	0.25	8	277	1	60	1.5	180 °F	14,700	1, 2, 4
FPB-4-1-12	900	650	200	YES	0.25	8	277	1	60	1.5	180 °F	15,200	1, 2, 4
FPB-4-1-13	1,500	1,200	360	YES	0.75	12	277	1	60	2.8	180 °F	28,100	1, 2, 4
FPB-4-1-14	900	750	230	YES	0.75	8	277	1	60	1.8	180 °F	17,700	1, 2, 4
FPB-4-2-1	900	510	150	YES	0.25	8	277	1	60	1.2	180 °F	11,900	1, 2, 4
FPB-4-2-2	900	420	130	YES	0.25	8	277	1	60	0.9	180 °F	9,300	1, 2, 4
FPB-4-2-3	900	480	140	YES	0.25	8	277	1	60	1.1	180 °F	11,200	1, 2, 4
FPB-4-2-4	900	630	190	YES	0.25	8	277	1	60	1.5	180 °F	14,700	1, 2, 4
FPB-4-2-5	900	600	180	YES	0.25	8	277	1	60	1.4	180 °F	14,200	1, 2, 4
FPB-4-2-6	900	630	190	YES	0.25	8	277	1	60	1.5	180 °F	14,700	1, 2, 4
FPB-4-2-7	900	420	130	YES	0.25	8	277	1	60	0.9	180 °F	9,300	1, 2, 4
FPB-4-2-8	900	420	130	YES	0.25	8	277	1	60	0.9	180 °F	9,300	1, 2, 4
FPB-4-2-9	900	420	130	YES	0.25	8	277	1	60	0.9	180 °F	9,300	1, 2, 4
FPB-4-2-10	1,200	1,000	300	YES	0.50	10	277	1	60	2.3	180 °F	23,400	1, 2, 4
VAV-1-3-1	1,200	960	290	NO	0.00	10	0	1	0	0.0	0 °F	0	3, 4, 5
VAV-1-3-2	500	180	80	NO	0.00	6	0	1	0	0.0	0 °F	0	3, 4, 5
VAV-1-3-3	900	600	180	NO	0.00	8	0	1	0	0.0	0 °F	0	3, 4, 5
VAV-2-1-1	550	400	120	NO	0.00	6	0	1	0	0.0	0 °F	0	3, 4, 5
VAV-2-1-2	550	400	120	NO	0.00	6	0	1	0	0.0	0 °F	0	3, 4, 5
VAV-2-1-3	1,500	1,200	360	NO	0.00	12	0	1	0	0.0	0 °F	0	3, 4, 5
VAV-2-1-4	1,200	880	270	NO	0.00	10	0	1	0	0.0	0 °F	0	3, 4, 5
VAV-2-3-1	800	720	220	NO	0.00	8	0	1	0	0.0	0 °F	0	3, 4, 5
VAV-2-3-4	1,200	960	290	NO	0.00	10	0	1	0	0.0	0 °F	0	3, 4, 5
VAV-2-3-5	900	720	220	NO	0.00	8	0	1	0	0.0	0 °F	0	3, 4, 5
VAV-3-1-1	900	600	180	NO	0.00	8	0	1	0	0.0	0 °F	0	3, 4, 5
VAV-3-2-1	1,500	1,200	360	NO	0.00	12	0	1	0	0.0	0 °F	0	3, 4, 5

GENERAL NOTES:
1. MAXIMUM STATIC PRESSURE DROP OF AIR THROUGH THE TERMINAL BOX SHALL BE 0.2" ESP.
2. MAXIMUM VELOCITY THROUGH DUCT INLET SHALL BE 2,000 FPM.
3. MAXIMUM STATIC PRESSURE DROP THROUGH HEATER COIL SHALL BE 0.25" ESP.
4. MAXIMUM STATIC PRESSURE DROP OF WATER THROUGH HEATER COIL SHALL BE 10' W.G.
5. BTUH REQUIRED FOR HOT WATER HEATING IS HEATING GPM MULTIPLIED BY 10,000.
6. SUSPEND UNIT WITH FOUR THREADED HANGER RODS ATTACHED TO TWO UNISTRUT RUNNERS SECURED TO STRUCTURE. REFER TO MANUFACTURER FOR MORE DETAILS.
7. UNITS TO BE MOUNTED BETWEEN BEAMS AND 18" MAXIMUM ABOVE CEILING. AVOID MOUNTING OVER LIGHTS WHEREVER POSSIBLE.
8. REFER TO PIPING AT HOT WATER COIL DETAILS. PROVIDE WITH 2-WAY CONTROL VALVE UNLESS OTHERWISE SCHEDULED.
9. PROVIDE AND INSTALL KNAUF PERFORMANCE+ INTERNAL DUCT LINER A MINIMUM OF 15 FEET DOWNSTREAM OF DUCTWORK.

REMARKS:
1. ALL FAN POWER BOXES (FPB) TO BE PROVIDED WITH ECM MOTOR.
2. BASIS OF DESIGN: TITUS DTFS. APPROVED ALTERNATE: NAILOR 35S
3. BASIS OF DESIGN: TITUS DESV. APPROVED ALTERNATE: NAILOR D3001
4. ALL UNIT CONTROL CONFIGURATIONS TO BE CONFIRMED IN FIELD.
5. ALL VAV BOX TO BE POWERED WITH CONTROL VOLTAGE.

ASHE | BROUSSARD | WEINZETTLE ARCHITECTS

TIPTON ASSOCIATES

CONSULTANTS
Monceaux-Buller & Associates, LLC — Civil
CARBO Landscape Architecture, LLC — Landscape
Fox-Nesbit Engineering, LLC — Structural
Salas O'Brien — Mechanical, Plumbing, Acoustic
Associated Design Group, Inc. — Electrical
Gensler — Specialty Architecture

ISSUE FOR BID

LOUISIANA STATE UNIVERSITY OF ALEXANDRIA

DOWNTOWN HEALTH SERVICES CENTER

800 JACKSON ST.
ALEXANDRIA, LA 71301

PROJECT # 2450-70798 WBS: F.19002498
ARCH PROJECT # 2023.28 / 1531.00-23
SITE ID: NEW SITE CODE: 6-40-023
DATE OCTOBER 10, 2025

Ashe Broussard Weinzettle Architects, LLP
Tipton Associates APAC, A Joint Venture
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NO.	REVISION	DATE

STATE OF LOUISIANA — DOUGLAS DORSEY, JR. — LICENSE NO. 27726 — PROFESSIONAL ENGINEER IN Mechanical Engineering

10/10/2025

MECHANICAL SCHEDULES

M301