AIR HANDLING UNIT SCHEDULE

NOTE: DOAS-1 AND DOAS-2 HAVE BEEN PRE-PURCHASED BY MIAMI UNIVERSITY AND WILL BE ASSIGNED/DELIVERED TO INSTALLING CONTRACTOR

MANUFACTURER'S MODEL NUMBER BASED ON TRANE UNLESS OTHERWISE NOTED.

FW – FAN WALL; MZ – MULTI-ZONE; H & A/C – HEATING AND AIR CONDITIONING; H & V – HEATING & VENTILATING; F.C. – FORWARD CURVED; A.F. – AIR FOIL; A.T.L. – ACROSS THE LINE; VAV – VARIABLE AIR VOLUME; VFD – VARIABLE FREQUENCY DRIVE

UNIT				SUPPLY FAN DATA (1)(2)					SUPPLY FAN MOTOR DATA				COOLING COIL DATA						COOLING COIL SELECTIONS BASED ON 44°F ENTERING WATER WITH A 15°F RISE.				PRE-HEAT COIL DATA						PRE-HEAT COIL SELECTIONS BASED ON 130°F ENTERING WATER WITH A 20° DROP.				HEATING COIL DATA								REHEAT COIL DATA						HEATING COIL SELECTIONS BASED ON 130°F ENTERING WATER WITH A 20° DROP.			
UNIT NUMBER MU ID #	LOCATION	MFGR & MODEL NUMBER	TYPE	CFM	TOTAL S.P. "W.G.	EXT. S.P. "W.G.	RPM	WHEEL TYPE & SIZE	MOTOR H.P.	B.H.P. REQ'D.	VOLTS PHASE	TYPE MOTOR STARTING	CFM	ROWS & FINS PER INCH	GPM	WTR. P.D. FT. HD.	AIR P.D. " W.G.	COIL F.A. SQ. FT.	AIR TEMP. D.B. (°F)	AIR TEMP. W.B. (°F)	LVG. AIR TEMP. D.B. (°F)	LVG. AIR TEMP. W.B. (°F)	CFM	ROWS & TYPE FIN	GPM	WTR. P.D. FT. HD.	AIR P.D. " W.G.	COIL F.A. SQ. FT.	AIR TEMP. ENT (°F)	AIR TEMP. LVG (°F)	CFM	ROWS & TYPE FIN	GPM	WTR. P.D. FT. HD.	AIR P.D. " W.G.	COIL F.A. SQ. FT.	AIR TEMP. ENT (°F)	AIR TEMP. LVG (°F)	CFM	ROWS & TYPE FIN	GPM	WTR. P.D. FT. HD.	AIR P.D. " W.G.	COIL F.A. SQ. FT.	AIR TEMP. ENT (°F)	AIR TEMP. LVG (°F)
DOAS-1	ATTIC WEST	TRANE CSAA SIZE 08	CV	4000	5.5	1.0	2886	DD PLENUM 16.5"	7.5	5.75	208 / 3	VFD	4000	6 ROWS 12 FPI	26.02	4.65	0.883	7.99	82.57	69.64	54.5	54.4	4000	2 ROW 12 FPI	30.44	1.43	0.214	7.99	-10.0	60.0	–	–	–	–	–	–	–	–	4000	2 ROW 8 FPI	8.7	0.13	0.139	7.99	55.0	75.0
DOAS-2	ATTIC EAST	TRANE CSAA SIZE 08	CV	4000	5.5	1.0	2886	PLENUM 16.5"	7.5	5.75	208 / 3	VFD	4000	6 ROWS 12 FPI	26.02	4.65	0.883	7.99	82.57	69.64	54.5	54.4	4000	2 ROW 12 FPI	30.44	1.43	0.214	7.99	-10.0	60.0	–	–	–	–	–	–	–	–	4000	2 ROW 8 FPI	8.7	0.13	0.139	7.99	55.0	75.0

HEAT RECOVERY WHEEL DATA (1)(2)(3)(4)																HEAT WHEEL MOTOR DATA			DEFROST HEATER (5)					RETURN/EXHAUST FAN DATA						RETURN/EXHAUST FAN MOTOR DATA				SUPPLY FILTER DATA (8)			EXHAUST FILTER DATA	UNIT WEIGHT	
			SUMMER CONDITIONS						WINTER CONDITIONS																																
			OUTSIDE AIR		LVG. TEMP.			EXH. (RET) AIR ENT TEMP.	OUTSIDE AIR		LVG. TEMP.			EXH. AIR ENT TEMP.(°F)																												
SIZE	OUTSIDE AIR CFM	EXHAUST AIR CFM	ENT. TEMP. D.B.(°F)	ENT. TEMP. W.B(°F)	D.B.(°F)	W.B(°F)	AIR P.D. " W.G.	D.B.(°F)	W.B(°F)	ENT. TEMP. D.B.(°F)	ENT. TEMP. W.B.(°F)	D.B.(°F)	W.B(°F)	AIR P.D. " W.G.		HP	FLA AMPS	VOLTS PHASE	CFM	FACE AREA SQ. FT.	TTL KW	STAGES	VOLTS PHASE	CFM	TOTAL S.P. "W.G.	EXT. S.P. "W.G.	RPM	WHEEL TYPE & SIZE	MOTOR H.P.	B.H.P. REQ'D.	VOLTS PHASE	TYPE MOTOR STARTING	ARRANG. COMBO.	FILTER AREA / A.P.D.	MERV			
3000 POLY S	4000	4000	95.0	77.0	82.57	69.64	1.03 / 1.03	75.0	64.0	0.0	-2.0	41.15	34.52.6	1.03	70.00 DB 53.0	0.55	1.9	115 / 1	–	–			4323	3.05	1.0	2591	EBM PLENUM 18"	5.0	4.0	208 / 3	VFD	2"/4"	7.33 / 1.6"	8/13	2" MERV 8	3013 LBS	(6)(7)
3000 POLY S	4000	4000	95.0	77.0	82.57	69.64	1.03 / 1.03	75.0	64.0	0.0	-2.0	41.15	34.52.6	1.03	70.0 DB 53.0	0.55	1.9	115 / 1	–	–			4323	3.05	1.0	2591	EBM PLENUM	5.0	4.0	208 / 3	VFD	2"/4"	7.33 / 1.6"	8/13	2" MERV 8	3013 LBS	(6)(7)

(1) DOAS-1 INITIAL BALANCE 3000 SA/3630 EA (3) 58.9% SUMMER / 59.9% WINTER MINIMUM EFFICIENCY (5) FROST CONTROL BY BYPASS DAMPER OPERATION

(2) DOAS-2 INITIAL BALANCE 3000 SA/3600 EA (4) TOTAL HEAT WHEEL (6) 2" THICK FOAM PANEL; 2.5" INTEGRAL BASE (7) DOAS-1 AND 2 TO BE PROVIDED W/ FREEZE STATS (8) PROVIDE 4" MERV 13 AND 2" MERV 8 PRE-FILTER FILTER PRESSURE DROP IS BOTH FILTERS MID-LIFE

PUMP SCHEDULE

PUMPS HAVE BEEN PRE-PURCHASED BY MIAMI UNIVERSITY

MANUFACTURER'S MODEL NUMBER BASED ON BELL & GOSSETT UNLESS OTHERWISE NOTED.
ALL PUMPS FURNISHED WITH 1750 RPM MOTORS UNLESS OTHERWISE NOTED.
KEY: CC-CLOSE COUPLED END SUCTION; F.C.-FLEXIBLE COUPLED END SUCTION; A.T.L.-ACROSS THE LINE
H.S.C.-FLEXIBLE COUPLED HORIZONTAL SPLIT CASE; I.L.-IN LINE; VFD-VARIABLE FREQUENCY DRIVE

PUMP NO./ MU ID #	FUNCTION	LOCATION	MFGR. MODEL NUMBER	TYPE	GPM	FT. HD.	EFF. %	SUCT. SIZE	DISCH. SIZE	MOTOR H.P.	BHP REQ'D.	VOLT / PHASE	TYPE MOTOR STARTING	REMARKS
P-5 EMR.HWP.0X	CHILLED WATER	MECH RM 02	1510- 2BD	FC	115.0	50	71	2 1/2"	2"	3	–	208 / 3	VFD	(1)(2)(3)(4)
P-6 EMR.HWP.0X	HEATING HOT WATER	MECH RM 02	1510-2BD	FC	115.0	50	71	2 1/2"	2"	3	–	208 / 3	VFD	(1)(2)(3)(4)
P-8 EMR.HWP.0X	RUN AROUND	DOAS-1 ATTIC	E60 1.25x1.25x5.25	IL	20.0	15	–	1 1/4"	1 1/4"	1/3	–	120 / 1	–	(1)
P-9 EMR.HWP.0X	RUN AROUND	DOAS-2 ATTIC	E60 1.25x1.25x5.25	IL	20.0	15	–	1 1/4"	1 1/4"	1/3	–	120 / 1	–	(1)

(1) 1750 RPM (2) PROVIDE WITH MOTOR SHAFT GROUNDING KIT (3) GROUT PUMP BASES AS RECOMMENDED BY PUMP MANUFACTURER (4) FURNISH WITH DRIP BASE

FAN COULS HAVE BEEN PRE-PURCHASED BY MIAMI UNIVERSITY

FAN COIL UNIT SCHEDULE

MANUFACTURER'S MODEL NUMBER BASED ON IEC UNLESS OTHERWISE NOTED.

NO./ MU ID #	QUANTITY	MODEL NO.	CFM	GPM COIL H / C	COIL PRESS. DROP FT. WATER	COIL ROWS	COIL CAPACITY COOLING SENS. HEAT BTU/HR.	COIL CAPACITY COOLING TOTAL HEAT BTU/HR.	COOLING E.W.T. °F	COOLING LWT °F	CW PIPE SIZE	HTG. MBH / ROWS	HW PIPE SIZE	MOTOR H.P. (WATTS)	FLA	MOCP	VOLT / PHASE	REMARKS
FC-1-4 MOR.FCU	4	HXY-12	630	2.4 / 2.2	3.1 / 0.6	6	14,444	16,711	50	65	3/4"	21.7 / 2	3/4"	–	9.2	–	120 / 1	(1)(2)(3)(4)(5)

(1) HEATING ENTERING WATER 130°F LEAVING WATER 110°F (2) HEATING 60°FDB ENTERING AIR (3) COOLING 80°FDB, 67°FWB ENTERING AIR (4) SUPPORT FROM STRUCTURE ABOVE WITH RODS AND SPRING VIBRATION ISOLATORS. (5) PROVIDE FACTORY SUPPLIED AND MOUNTED FUSED DISCONNECT SWITCH. (INCLUDE FUSES).

LOUVER SCHEDULE

MANUFACTURER'S MODEL NUMBER BASED ON AIROLITE UNLESS OTHERWISE NOTED.

UNIT NO.	MODEL NUMBER	LOCATION	FUNCTION	WIDTH (INCHES)	HEIGHT (INCHES)	DEPTH (INCHES)	REMARKS
L-1	K6776	GROUND FLOOR AHU-2 INTAKE	INTAKE	38"	54"	6	(1)(2)(3)
L-2	K6776	FOURTH FLOOR SOUTH ATTIC	INTAKE	38"	54"	6	(1)(2)(3)

(1) OPENING IN WALL/ROOF/DORMER BY G.C. (2) PROVIDE WITH KYNAR FINISH. COLOR SELECTION BY ARCHITECT FROM COMPLETE COLOR PALETTE (3) HVAC CONTRACTOR SHALL FIELD MEASURE THE EXACT SIZE OF LOUVER OPENINGS BEFORE ORDERING LOUVERS

AIR TERMINAL SCHEDULE

TYPE OF OUTLET — A - 8 - 300 — AIR QUANTITY IN C.F.M. (DIFF. & REG. ONLY)

SIZE OF OUTLET (NECK SIZE DIAMETER FOR DIFFUSERS)

TYPE	DESCRIPTION
A	SUPPLY AIR DIFFUSER, SURFACE MOUNTED, TITUS MODEL TDCA-18"x12"; 24" X 24" UNLESS OTHERWISE NOTED.
B	SUPPLY AIR GRILLE, SURFACE MOUNTED, TITUS MODEL 300RS; 18" X 10" UNLESS OTHERWISE NOTED.

EQUIPMENT NOTES

HEAT EXCHANGER HX-4 — HEAT EXCHANGERS HAVE BEEN PRE-PURCHASED

NEW SHELL AND TUBE HEAT EXCHANGER HX-4. B&G MODEL SU-6-4-2. TOTAL SURFACE AREA OF 17.4 S.F. HEAT LOAD 586,325 BTUH WITH 60 GPM, 180°F EWT AND 160°F LWT. DESIGN PRESSURE 150 PSIG ASME SEC. VII, DIV.1 STAMPED. DESIGN TEMPERATURE 375°F. COPPER TUBES 3/4" DIA.

HVAC NOTES

1. PIPING AND DUCT LAYOUT IS ONLY SCHEMATIC, EXACT LOCATION OF PIPES AND DUCTS TO BE COORD. ON JOB W/BLDG. STRUCTURE, AND WORK OF OTHER CONTRS.
2. NOT USED.
3. RUN ALL WATER SUPPLY AND RETURN MAINS LEVEL UNLESS OTHERWISE NOTED.
4. RUNOUTS TO UNITS BELOW MAINS TO BE TAKEN FROM BTM. OF MAINS AT 45°, PITCH DN TO UNITS. RUNOUTS TO UNITS AB. MAINS TO BE TAKEN FROM TOP OF MAINS AT 45°, PITCH UP TO UNITS. PITCH -1" IN 10'-0".
5. RUN ALL DRAIN LINES INDIRECT TO NEAREST F.D. UNLESS OTHERWISE NOTED.
6. INSTALL AIR VENTS AS INDICATED ON ALL UP-FEED HOT WATER HEATING UNITS.
7. INSTALL AIR VENTS AT HIGH POINTS OF SYSTEM, AS SHOWN ON DRAWINGS AND AS REQ'D. FOR PROPER AIR VENTING OF SYSTEM.
8. INSTALL WATER BALANCING DEVICES ON ALL WATER HEATING UNITS.
9. LABEL ALL FIRE DAMPERS AND FIRE/SMOKE DAMPERS.
10. COORD. EXACT LOCATION OF DUCT RISERS IN PIPE SPACES W/PLBG. STACKS
11. NOT USED.
12. ALL DUCTS AND PIPES AB. CLG. UNLESS OTHERWISE NOTED.
13. OPNGS. THROUGH OUTSIDE WALL FOR LOUVERS BY HVAC CONTR. ALL LINTELS AND WEATHERTIGHT SETTING OF LOUVERS BY HVAC CONTR.
14. OFFSET DUCTS INTO JOIST OR BEAM SPACE FOR CLEARANCE WHERE SPACE AB. CLG. IS NOT SUFFICIENT FOR DUCTS TO CROSS OTHER DUCTS OR WORK OF OTHER CONTRS.
15. NOTIFY GEN. CONTR. OF SIZE AND LOCATION OF ALL RECESSES AND OPNGS. REQ'D FOR HVAC WORK.
16. INSTALL BALANCING DPRS. AS SHOWN AND AS REQ'D FOR PROPER BALANCING AIR HANDLING SYSTEMS. ALL AIR DEVICES SHALL BE PROVIDED WITH A BALANCE DPR.
17. PROVIDE AIRTIGHT A.D. IN DUCTS ADJACENT TO ALL AUTOMATIC DPRS. AND TEMP. CONTROL DEVICES.
18. NOT USED.
19. "AUTO-CONTROL" DPRS. ARE TO BE PROVIDED BY TEMP. CONTROL CONTR. ALL OTHER DPRS. INCLUDING "MOTORIZED DPRS." ARE TO BE PROVIDED BY HVAC CONTR.
20. ALL AIR DEVICES IN RESTROOMS OR SHOWER AREAS ARE TO BE ALUMINUM CONSTRUCTION.
21. EXTEND 1/4" COPPER DRAIN TUBE FROM ALL AUTOMATIC AIR VENTS TO FLOOR DRAIN.
22. EXISTING EXHAUST DUCTWORK RISERS AND MAINS IN ATTIC TO BE CLEANED AS PART OF THIS WORK PRIOR TO CONNECTING TO NEW DOAS EQUIPMENT.

DEMOLITION NOTES

1. NOTE THAT EXISTING CONDITIONS SHOWN ON PLANS ARE FROM PREVIOUS ENGINEERING DOCUMENTATION AND FIELD OBSERVATION. ACTUAL CONDITIONS MAY VARY, AND MUST BE FIELD VERIFIED BY THIS CONTRACTOR (WHETHER SHOWN OR NOT). THIS CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS AS NECESSITATED BY ACTUAL CONDITIONS, REQUIRED TO COMPLETE INSTALLATION OF THE NEW SYSTEM. IF EXISTING CONDITIONS PROHIBIT INSTALLATION OF THE NEW SYSTEM, NOTIFY THE <CONSTRUCTION MANAGER/ARCHITECT/ENGINEER/OWNER'S REPRESENTATIVE> FOR REDIRECTION AS REQUIRED.
2. REFER TO MECHANICAL DOCUMENTATION FOR ADDITIONAL SCOPE/INFORMATION REGARDING DEMOLITION/REMODELING WORK, INCLUDING IDENTIFICATION OF AREAS AND ITEMS/ELEMENTS INVOLVED, AS WELL AS INFORMATION OF BOTH A GENERAL AND SPECIFIC NATURE.
3. UNLESS DIRECTED OTHERWISE, WHEN EXISTING HVAC ITEMS THAT ARE IN USE PRIOR TO START OF THIS PROJECT DO NOT OBSTRUCT NEW WORK, THE ITEM SHALL REMAIN IN USE AFTER PROJECT COMPLETION. EXISTING HVAC ITEMS THAT OBSTRUCT NEW WORK, AND/OR ARE IN EXPOSED LOCATIONS IN REMODELED AREAS WHERE NEW CONCEALING STRUCTURE IS PROVIDED UNDER SEPARATE CONTRACT, SHALL BE RELOCATED AS REQUIRED TO CLEAR NEW WORK, AND/OR BE IN A CONCEALED LOCATION.
4. UNLESS INDICATED OTHERWISE, WHEN EXISTING HVAC ITEMS ARE INDICATED TO BE REMOVED, OR ARE NOT TO REMAIN IN USE AFTER PROJECT COMPLETION AND OBSTRUCT NEW WORK, THE ITEM (WHETHER SHOWN ON PLANS OR NOT) AND ALL ASSOCIATED ACCESSORIES AND APPURTENANCES SHALL BE REMOVED. THIS INCLUDES ANY ITEMS ENCOUNTERED IN FIELD TO WHICH THESE DESCRIPTIVE CONDITIONS APPLY. THE FOLLOWING SHALL APPLY TO ITEMS REMOVAL:
   A. PIPING/DUCTWORK (IF ANY) TO BE REMOVED BACK TO NEAREST ACTIVE MAIN/BRANCH REMAINING IN SERVICE AFTER PROJECT COMPLETION, & OUTSIDE OF ALL EXPOSED LOCATIONS, OR TO WITHIN NEW CONCEALING/FINISH STRUCTURE PROVIDED UNDER SEPARATE CONTRACT, AND CAPPED AT THAT POINT.
   B. WHEN AN ISOLATION VALVE OCCURS IN REMOVED ITEMS PIPING AT THE ACTIVE MAIN/BRANCH TIE-IN POINT. THE VALVE SHALL REMAIN, AND THE CAP/PLUG SHALL BE ON THE SIDE OF THE VALVE ASSOCIATED WITH THE ITEM BEING BEING REMOVED, IN THE VALVE OUTLET PIPING.
5. CUTTING/REMOVAL AND REPLACEMENT OF EXISTING STRUCTURES AND/OR SURFACES REQUIRED BY WORK IN THE HVAC CONTRACT IS BY THE HVAC CONTRACTOR, UNLESS INDICATED OTHERWISE. REPLACEMENT TO BE TO ORIGINAL CONDITION, AND TO MATCH ADJACENT SURFACES IN TYPE, KIND AND FINISH. THIS INCLUDES CEILINGS, PARTITIONS, FLOORS, SOFFITS, ETC., BOTH WITHIN AND OUTSIDE THE REMODELED AREA(S) THAT ARE AFFECTED BY WORK IN THE HVAC CONTRACT. THIS CONDITION DOES NOT APPLY IF EXISTING STRUCTURES AND/OR SURFACES ARE BEING REVISED UNDER SEPARATE CONTRACT.

HEATING LEGEND

SYMBOL	DESCRIPTION
COND	LOW PRESSURE CONDENSATE
CPD	CONDENSATE PUMP DISCHARGE
CR	CONDENSER WATER RETURN
CS	CONDENSER WATER SUPPLY
CW	DOMESTIC COLD WATER LINE
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
D	DRAIN LINE
FOG	FUEL OIL GAGE LINE
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
HCR	HOT / CHILLED WATER RETURN
HCS	HOT / CHILLED WATER SUPPLY
HG	HOT GAS LINE
HPS	HIGH PRESSURE STEAM
HRS	HEAT RECOVERY SUPPLY
HRR	HEAT RECOVERY RETURN
LIQ	LIQUID LINE
LPS	LOW PRESSURE STEAM
	RETURN RISER
	SUPPLY RISER
	AIR VENT – PLAN VIEW
	CAPPED LINE
	EXISTING WORK TO REMAIN
	EXISTING WORK TO BE REMOVED
HWHR	HEATING WATER HEATING RETURN
HWHS	HEATING WATER HEATING SUPPLY
	COLD AIR HIGH PRESSURE DUCT
	HOT AIR HIGH PRESSURE DUCT
	RISE OR DROP
	PIPE BRANCH TOP CONNECTION
	PIPE BRANCH BOTTOM CONNECTION
	PIPE ANCHOR
	PIPE FLANGES
	PIPE GUIDE
	PIPE UNION
	FLEXIBLE PIPE CONNECTION
	FLEXIBLE DUCT
	SPIN-IN FITTING WITH BALANCE DAMPER

SYMBOL	DESCRIPTION
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	TEE WITH NIPPLE & CAP
	PLUGGED TEE
	Y-TYPE STRAINER
	PETE'S PLUG
	COMB. BALANCE & STOP VALVE
	BALL VALVE
	BALL VALVE W/MEMORY STOP
	GATE VALVE (SCREWED BODY)
	DRAIN VALVE WITH HOSE END
	GLOBE VALVE
	GATE VALVE (FLANGED BODY)
	AUTO CONTROL VALVE
	SOLENOID VALVE
	CHECK VALVE
	GAS COCK OR BALANCE VALVE
	METERED BALANCE VALVE
	BUTTERFLY VALVE
	BUTTERFLY VALVE W/MEMORY STOP
T	TEMPERATURE SENSOR
F	FLOW SWITCH
T	THERMOSTAT
H	HUMIDISTAT
C	CO2 SENSOR
	THERMOMETER
	CONNECT TO EXISTING
	SUPPLY DUCT UP
	SUPPLY DUCT DOWN
	R.A., O.A., OR EXH. DUCT UP
	R.A., O.A., OR EXH. DUCT DOWN
	ROUND DUCT
	FLAT OVAL DUCT
	45° BOOT BRANCH TAKEOFF
	ELBOW WITH TURNING VANES
	FIRE DAMPER
	MAN. DAMPER
	ACCESS DOOR

HEATING ABBREVIATIONS

AB.	ABOVE	HTG.	HEATING
A.D.	ACCESS DOOR	H & A/C	HEATING & AIR CONDITIONING
A.F.F.	ABOVE FINISHED FLOOR	H & C	HEATING & COOLING
APPROX.	APPROXIMATELY	H & V	HEATING & VENTILATING
ARCH.	ARCHITECT	H.V.	HIGH VELOCITY
AUTO. CONT.	AUTOMATIC CONTROL	IND. U.	INDUCTION UNIT
BSBD. RAD.	BASEBOARD RADIATION	MAN. DPR.	MANUAL DAMPER
BTM.	BOTTOM	MFR.	MANUFACTURER
BLDG.	BUILDING	MECH.	MECHANICAL
CAB.	CABINET	M. A.	MIXED AIR
CAP.	CAPACITY	MTD.	MOUNTED
CLG.	CEILING	NOM.	NOMINAL
CONC.	CONCRETE	OPNG.	OPENING
CONN.	CONNECT	O.A.	OUTSIDE AIR
CONTR.	CONTRACTOR	PLBG.	PLUMBING
CONT.	CONTINUATION	PRESS.	PRESSURE
CONV.	CONVECTOR	P.R.V.	PRESSURE REDUCING VALVE
COORD.	COORDINATE	PROP.	PROPELLER
DTL.	DETAIL	RAD.	RADIATOR
DIA.	DIAMETER	REFG.	REFRIGERATION
DIFF.	DIFFUSER	REG.	REGISTER
DISCH.	DISCHARGE	RHC.	REHEAT COIL
DN.	DOWN	REQD.	REQUIRED
ELEC.	ELECTRICAL	REL.	RELIEF
E.A.	EXHAUST AIR	R.A.	RETURN AIR
ELEV.	ELEVATION	RM.	ROOM
EXH	EXHAUST	SCHED.	SCHEDULE
EXIST.	EXISTING	SHT.MTL.	SHEET METAL
FT. HD.	FEET OF HEAD	SQ.	SQUARE
FIN. RAD.	FINNED RADIATION	STAT.	THERMOSTAT
F & S DPR	FIRE & SMOKE DAMPER	S.A.	SUPPLY AIR
FLEX.	FLEXIBLE	S & R	SUPPLY & RETURN
F & T	FLOAT & THERMOSTATIC	TEMP.	TEMPERATURE
FLR.	FLOOR	THERM.	THERMOMETER
F.D.	FLOOR DRAIN	TYP.	TYPICAL
FURN.	FURNISH	T.C.C.	TEMP. CONTROL CONTRACTOR
GA.	GAGE	U.H.	UNIT HEATER
GEN.	GENERAL	U.V.	UNIT VENTILATOR
GRAV.	GRAVITY	VIB. ISOL.	VIBRATION ISOLATOR
GR.	GRILLE	W/W	WALL TO WALL
HTR.	HEATER	W/	WITH

DATE	DESCRIPTION
3-24-22	(1) ADDENDUM 2
3-4-22	ISSUED FOR BID AND PERMIT

H-300-21380.DWG

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MIAMI UNIVERSITY
EMERSON HALL
VENTILATION IMPROVEMENTS

SEAL

03/04/2022

PREPARED FOR
MIAMI UNIVERSITY
PHYSICAL FACILITIES DEPARTMENT
OXFORD, OH

PREPARED BY
PRATER ENGINEERING ASSOCIATES
6130 WILCOX ROAD; DUBLIN, OHIO 43016

SHEET TITLE	DESIGNED BY	CHECKED BY	SHEET NO.
HVAC DETAILS & DETAILS	ARP	TP	H-600

SCALE: AS NOTED
DATE: 03/04/2022