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RENOVATIONS TO
RICHARD'S 3rd FLOOR

MAINE MEDICAL CENTER
Portland, Maine

VAV AIR TERMINAL SCHEDULE											
TAG	RANGE CFM	INLET SIZE #	MIN. CFM	INLET SP IN WG		MAX PRESS. DROP IN HG	HEATING CAPACITY			MANUF. & MODEL NO.	NOTES:
				MIN	MAX		GPM	EAT, °F	LAT, °F		
VAV-1	300-600	7"	300	0.1	0.5	0.25	1.2	55	85	TRANE, VCVF	1, 2
VAV-2	100-400	6"	170	0.1	0.5	0.25	1	55	85	TRANE, VCVF	1, 2

NOTES: 1. SEE DRAWINGS FOR MAXIMUM AIRFLOW.
2. PROVIDE W/ SOUND ATTENUATOR.

DIFFUSER, GRILLE & REGISTER SCHEDULE					
UNIT NO.	NECK SIZE IN INCHES	CFM RANGE	TYPE	TYPICAL UNIT MANUF. & MODEL NO.	NOTES:
SD-1	8"	0-200	CEILING	TITUS TMS	
SD-2	10"	200-400	CEILING	TITUS TMS	
SG-1	6"x12"	0-150	SIDEWALL	TITUS 355	
RG-1	6"x12"	0-200	CEILING	TITUS 355	
RG-2	10"x10"	200-450	CEILING	TITUS 355	
EG-1	6"x12"	0-150	CEILING	TITUS 50F	

NOTES:

GENERAL NOTES:

- THE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND EXACT LOCATIONS AND ARRANGEMENTS OF EXIST./NEW EQUIPMENT, DUCTWORK, PIPING AND OTHER COMPONENTS SHALL BE DETERMINED IN THE FIELD WITH DUE CONSIDERATION OF STRUCTURAL, ELECTRICAL AND ARCHITECTURAL SYSTEMS. EXISTING STRUCTURAL SYSTEMS SHALL NOT BE MODIFIED WITHOUT THE EXPRESS PERMISSION OF THE ARCHITECT.
- THE PROJECT SHALL BE PHASED IN ACCORDANCE WITH THE CONTRACTOR'S APPROVED PHASING PLAN. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE HOSPITAL/ARCHITECT FOR THE SEQUENCING AND TIMING OF OPERATIONS PRIOR TO COMMENCING WORK. SEE SPECIFICATIONS.
- CONTRACTOR IS TO MAINTAIN HVAC AND PLUMBING SERVICE TO ROOMS OUTSIDE THE PROJECT SCOPE OF WORK AND PHASING SCHEDULE. IF INTERRUPTION OF SERVICE IS REQUIRED COORDINATE SHUTDOWN WITH HOSPITAL. NOTIFY THE HOSPITAL A MINIMUM OF 5 DAYS PRIOR TO SHUT-DOWN.
- CARE SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT EXISTING SYSTEMS AND SURFACES TO REMAIN. RESTORE DAMAGED AREAS THAT ARE BEYOND THE SCOPE OF THIS CONTRACT TO THEIR ORIGINAL CONDITION.
- WHERE INDICATED ON THE DRAWINGS, REMOVE OR RELOCATE EXISTING COMPONENTS AS REQUIRED TO ACCOMMODATE THE NEW WORK. REMOVALS SHALL INCLUDE ALL ASSOCIATED OFF-SITE DISPOSAL COSTS.
- COORDINATE REMOVALS AND RELOCATION'S INCLUDING SELECTIVE CUTTING AND PENETRATIONS WITH ARCHITECTURAL, MECHANICAL, STRUCTURAL AND ELECTRICAL.
- MOST PARTITIONS ARE FULL HEIGHT AND REQUIRE DUCT PENETRATIONS TO BE SEALED, SEE ARCHITECTURAL DWGS FOR PARTITION HEIGHTS. DUCTWORK SHOWN FOR CLARITY THAT MAY RUN PARALLEL TO WALL PARTITIONS WILL REQUIRE LOCATING IN THE FIELD TO MINIMIZE CONFLICT WITH PARTITIONS.
- COORDINATE THE LOCATIONS OF ALL WALL MOUNTED TEMPERATURE SENSORS WITH OWNERS FINAL EQUIPMENT/FURNITURE LAYOUT.
- PROVIDE SEISMIC RESTRAINTS PER SPECIFICATION.
- AT THE END OF EACH WORKING DAY, THE CONSTRUCTION SITE SHALL BE LEFT IN A CLEAN AND NEAT CONDITION.
- INSTALL EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND GOOD PRACTICE NORMAL TO THE TRADE. INSTALLATION SHALL INCLUDE PROVISIONS FOR ACCESS TO NORMAL MAINTENANCE ITEMS SUCH AS BELTS, BEARINGS, FILTERS AND MOTORS. PROVIDE ADEQUATE STRUCTURAL SUPPORTS AND SECURE MOUNTING METHODS WITH PROVISIONS FOR VIBRATION ISOLATION AND EXPANSION WHERE REQUIRED.
- PROVIDE VOLUME DAMPERS DOWN STREAM OF VAV BOXES AT EACH BRANCH FROM MAIN DUCTWORK AND DUCT RUNNOUTS. PROVIDE OPPOSED BLADE DAMPERS AT EACH NECK TO AN INDIVIDUAL REGISTER OR DIFFUSER IN SUPPLY, RETURN AND EXHAUST DUCTS IRRESPECTIVE OF WHETHER OR NOT A DAMPER IS INDICATED ON THE PLANS.
- PIPING AND DUCTWORK SHALL BE CONCEALED UNLESS OTHERWISE NOTED.
- PROVIDE DUCTWORK WITH OFFSETS AND TRANSITIONS AS REQUIRED TO FIT UNDER STRUCTURAL STEEL OR OTHER OBSTRUCTIONS. FLAT OVAL OR ROUND SIZES MAY BE USED INTERCHANGEABLY BY THE CONTRACTOR. MAINTAIN DUCT CROSS SECTIONAL AREA.

ABBREVIATIONS:

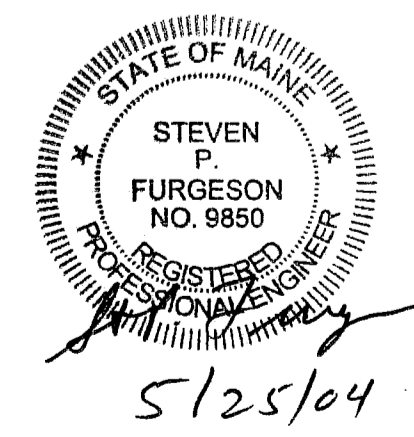
A	AIR	FU	FIXTURE UNIT
AAV	AUTO AIR VENT	FSD	COMBINATION FIRE SMOKE DAMPER
ABV	ABOVE	GC	GENERAL CONTRACTOR
AD	DUCT ACCESS DOOR	GPM	GALLONS PER MINUTE
AFF	ABOVE FINISH FLOOR	HTR	HEATER
AFG	ABOVE FINISH GRADE	HW	HOT WATER
AP	ACCESS PANEL	HWR	HOT WATER RETURN
AS	TANGENTIAL AIR SEPARATOR	HWS	HOT WATER SUPPLY
BEL	BELOW	INV	INVERT
BFP	BACK FLOW PREVENTER	IR	INDIRECT WASTE
BS	BELOW SLAB	LPC	LOW PRESSURE CONDENSATE
CD	CONDENSATE DRAIN	LPS	LOW PRESSURE STEAM
CLG	CEILING	MBH	1000 BTU/HR.
COL	COLUMN	MD	MOTORIZED DAMPER
CONN	CONNECTION	NOM	NOMINAL
CW	COLD WATER	NTS	NOT TO SCALE
CWR	CHILLED WATER RETURN	PRV	PRESSURE REDUCING VALVE
CWS	CHILLED WATER SUPPLY	RD	ROOF DRAIN
D	DRAIN	RED	REDUCER
DIA	DIAMETER	RV	RELIEF VALVE
DN	DOWN	SA	SHOCK ABSORBER
DWG	DRAWING	SD	STORM DRAIN
EL	ELEVATION	SDR	SMOKE DAMPER
EXIST	EXISTING	SPEC	SPECIFICATION
FC	FLEXIBLE CONNECTION	TCP	TEMPERATURE CONTROL PANEL
FD	FLOOR DRAIN	TYP	TYPICAL
FDR	FIRE DAMPER	U.G.	UNDER GRADE
FLR	FLOOR	U.S.	UNDER SLAB
FIN	FINISH	VB	VACUUM BREAKER
FPHB	FREEZEPROOF HOSE BIBB	VTR	VENT THRU ROOF
FT	FOOT	W/	WITH
FTR	FINTURE RADIATION	WH	WATER HEATER

LEGEND	
SYMBOL	DESCRIPTION
	CIRCUIT BALANCE VALVE
	AUTOMATIC FLOW CONTROL VALVE
	CHECK VALVE
	REDUCED PRESSURE BACKFLOW PREVENTOR
	BALL VALVE
	OS AND Y GATE VALVE
	BUTTERFLY VALVE
	THERMOMETER W/IMMERSION WELL
	PRESSURE GAUGE W/PETCOCK
	GRILLE, REGISTER OR DIFFUSER TAG
	ELECTRONIC TEMPERATURE SENSOR
	THERMOSTATIC RADIATOR VALVE AND (NON-ELECTRIC) ACTUATOR
	PNEUMATIC TEMPERATURE SENSOR
	EXISTING PNEUMATIC TEMPERATURE SENSOR
	AUTOMATIC AIR VENT
	MANUAL AIR VENT
	STRAINER W/BLOWDOWN, BRASS CAP AND CHAIN
	3/4" BALL VALVE W/HOSE END, BRASS CAP, CHAIN WATER HAMMER ARRESTOR
	DIRECTION OF FLOW
	UNION
	PRESSURE REGULATING VALVE
	2-WAY CONTROL VALVE
	3-WAY CONTROL VALVE
	MANUAL VOLUME DAMPER
	FIRE DAMPER
	COLD WATER PIPING
	HOT WATER PIPING
	FLOW SWITCH
	ELECTRONIC TEMPERATURE SENSOR
	PIPE ANCHOR
	PIPE GUIDE
	EXPANSION JOINT
	GAS PIPING
	NORMALLY-CLOSED
	NORMALLY-OPENED
	DUCT STATIC PRESSURE SENSOR
	DUCT MOUNTED SMOKE DETECTOR, MOUNTED BY HVAC CONTRACTOR SUPPLIED AND WIRED BY ELECTRICAL CONTRACTOR
	POINT OF CONNECTION TO EXISTING
	NEW DUCT
	EXISTING DUCT WORK TO BE REMOVED
	EXISTING DUCT WORK TO REMAIN
	NEW FLEXIBLE DUCT

NOTE: SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

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CONSTRUCTION DOCUMENTS



MECHANICAL SCHEDULES, LEGEND AND NOTES

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