AIR TERMINAL SCHEDULE

TAG	SIZE	MAX CFM	MAX NC	MAX SP	REMARKS
D1	6"Ø	160	20	0.072"	SQUARE DIFFUSER / LAY-IN PANEL
D2	8"Ø	275	20	0.072"	SQUARE DIFFUSER / LAY-IN PANEL
ER1	6" x 4"	90	20	0.100"	EXHAUST REGISTER
ER2	6" x 6"	135	20	0.073"	EXHAUST REGISTER
RR1	6" x 4"	90	20	0.100"	RETURN REGISTER
RR2	6" x 6"	130	20	0.100"	RETURN REGISTER
RR3	8" x 6"	180	20	0.100"	RETURN REGISTER
RR4	12"x 8"	340	20	0.073"	RETURN REGISTER
RR5	12"x 10"	430	20	0.073"	RETURN REGISTER
RR6	12"x12"	520	20	0.073"	RETURN REGISTER
RR7	18"x12"	800	20	0.073"	RETURN REGISTER
SR1	6" x 4"	85	20	0.090"	DOUBLE DEFLECTION SUPPLY REGISTER

MAXIMUM NC LEVELS ON DIFFUSERS ARE FOR HORIZONTAL THROW

GENERAL NOTES

1. Mechanical Contractor shall coordinate work with all other trades.
2. All ductwork shall be run concealed and on the warm side of the building insulation unless shown otherwise.
3. Ductwork is shown diagramatically. Exact locations to be adjusted as required to conform to field conditions.
4. All duct sizes indicated are outside (sheet metal) dimensions.
5. All cutting and patching by the General Contractor.
6. Refer to Architectural Reflected Ceiling Plans for exact locations of all ceiling registers, diffusers and grilles.
7. Duct branches to individual diffusers shall be the same size as the diffuser neck.
8. All removed materials shall remain the property of the Owner until such time the Owner's authorized representative has reviewed the removed items and taken what the Owner wishes to retain. All remaining items shall become the property of the Contractor and shall be immediately removed from the premises by the Contractor.

BRANCH DUCT SIZING

MAX CFM	SIZE	REMARKS
40	3"Ø	SPIRAL DUCT
65	4"Ø	SPIRAL DUCT
100	5"Ø	SPIRAL DUCT
145	6"Ø	SPIRAL DUCT
260	8"Ø	SPIRAL DUCT

APPLIES ONLY TO DUCTS SERVICING REGISTERS AND GRILLES

HEAT RECOVERY VENTILATOR SCHEDULE

TAG	BUILDING SERVED	WINTER EXHAUST AIR			WINTER OUTDOOR AIR			SUPPLY AIR TO SPACES			FAN		ELECTRIC	WEIGHT	REMARKS
		CFM	DB	WB	CFM	DB	WB	CFM	DB	WB	SP	HP			
ERV	ENTIRE SPACE	500	70°	52.90°	500	-10°	-10.2°	500	47.1°	39.1°	0.48"	0.52	208V-60-1P	132	HORIZONTAL AIRFLOW

SYMBOLS AND ABBREVIATIONS

ABV	AUTOMATIC BALANCING VALVE	L	LOUVER
AC	AIR CONDITIONING	LAT	LEAVING AIR TEMPERATURE
AD	ACCESS DOOR	LDB	LEAVING DRY BULB
AFF	ABOVE FINISH FLOOR	LWB	LEAVING WET BULB
AHU	AIR HANDLING UNIT	MBH	THOUSAND BTU PER HOUR
AP	ACCES PANEL	MD	MANUAL DAMPER
APD	AIR PRESSURE DROP	MOD	MOTOR OPERATED DAMPER
ATC	AUTOMATIC TEMP. CONTROL	NTS	NOT TO SCALE
BD	BACKDRAFT DAMPER	OA	OUTDOOR AIR
CFH	CUBIC FEET PER HOUR	OD	OUTSIDE DIMENSION
CFM	CUBIC FEET PER MINUTE	R	RETURN
CTE	CONNECT TO EXISTING	RA	RETURN AIR
DIC	DOWN IN CORNER/CHASE	RR	RETURN REGISTER
DIFF	DIFFUSER	S	SUPPLY
EAT	ENTERING AIR TEMPERATURE	SA	SUPPLY AIR
EC	ELECTRICAL CONTRACTOR	SG	SUPPLY GRILLE
EDB	ENTERING DRY BULB	SP	STATIC PRESSURE
ER	EXHAUST REGISTER	SR	SUPPLY REGISTER
ERV	ENERGY RECOVERY VENTILATOR	TC	TEMPERATURE CONTROL
ESP	EXTERNAL STATIC PRESSURE	T'STAT	THERMOSTAT
EWB	ENTERING WET BULB	TV	TURNING VANE
FC	FLEXIBLE CONNECTOR	UC	UNDERCUT
GC	GENERAL CONTRACTOR	VI	VIBRATION ISOLATOR
HC	HEATING CONTRACTOR		
HVAC	HEATING, VENTILATING AND AIR CONDITIONING		

(T)	THERMOSTAT
(T)	THERMOSTAT WITH GUARD
	CONNECT TO EXISTING
	MANUAL DAMPER
	FLEXIBLE DUCT
	LAY-IN DIFFUSER
	SURFACE MOUNT DIFFUSER
	SUPPLY AIR DUCT
	RETURN / RELIEF AIR DUCT

¼" = 1'-0"

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Project 1702

Greater Portland Health
63 Preble Street Renovation

Portland, Maine

REV	DESCRIPTION	DATE
	ISSUED FOR CONSTRUCTION	07-26-2017

STATE OF MAINE
Kurt F. Magnusson 10257
LICENSED PROFESSIONAL ENGINEER

SEAL:

PROJECT NUMBER: 201706

DATE: 07/24/2017

SHEET TITLE AND NUMBER:

M1

Mechanical Plan
New Work