

### 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
ER2	6" x 4"	90	20	0.100"	EXHAUST REGISTER
ER1	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" x 12"	520	20	0.073"	RETURN REGISTER
RR7	18" x 12"	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

- Mechanical Contractor shall coordinate work with all other trades.
- All ductwork shall be run concealed and on the warm side of the building insulation unless shown otherwise.
- Ductwork is shown diagrammatically. Exact locations to be adjusted as required to conform to field conditions.
- All duct sizes indicated are outside (sheet metal) dimensions.
- All cutting and patching by the General Contractor.
- Refer to Architectural Reflected Ceiling Plans for exact locations of all ceiling registers, diffusers and grilles.
- Duct branches to individual diffusers shall be the same size as the diffuser neck.
- 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

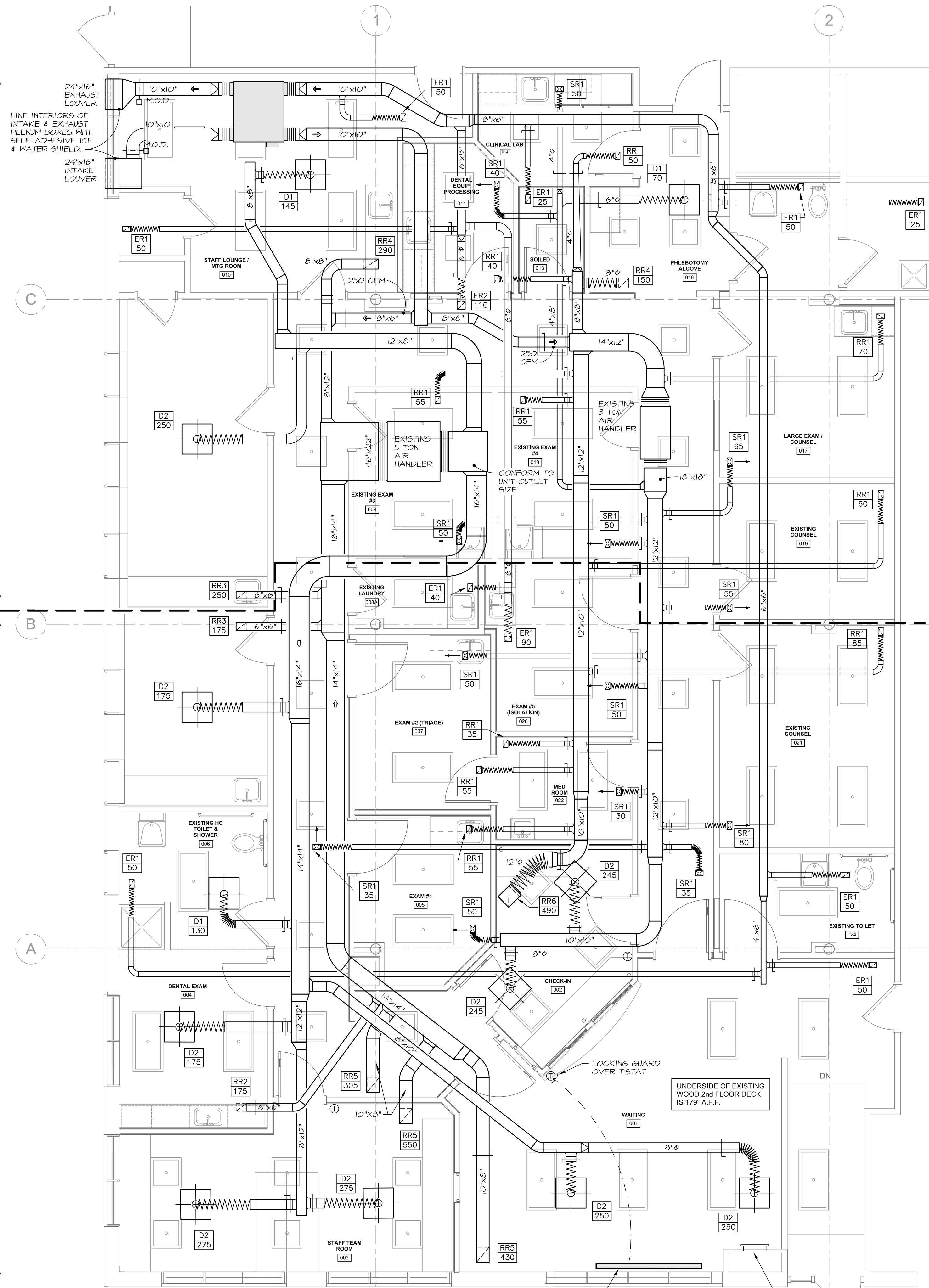
TAG	BUILDING SERVED	WINTER EXHAUST AIR			WINTER OUTDOOR AIR			SUPPLY AIR TO SPACES			FAN		ELECTRIC	WEIGHT	REMARKS
		CFM	DB	WB	CFM	DB	WB	CFM	DB	WB	SP	HP			
ERV	ENTIRE SPACE	500	70°	52.90°	500	-10°	-10.2°	500	47.1°	39.1°	0.48"	0.52	208V-60-1P	132	HORIZONTAL AIRFLOW

### SYMBOLS AND ABBREVIATIONS

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

PHASE 2

PHASE 1



NEW ELECTRIC BASEBOARD TO REPLACE EXISTING. 84" LONG, 1,750 WATTS 208V-1Ø WITH REMOTE. 24 VOLT THERMOSTAT & INTERNAL TRANSFORMER.

EXISTING 18"x18" GRILLE TO REPLACE EXISTING. 26" AFF TO BOTTOM TO REMEMBER. CHASE IS OPEN ABOVE THE CL'S FOR HEAT CIRCULATION.



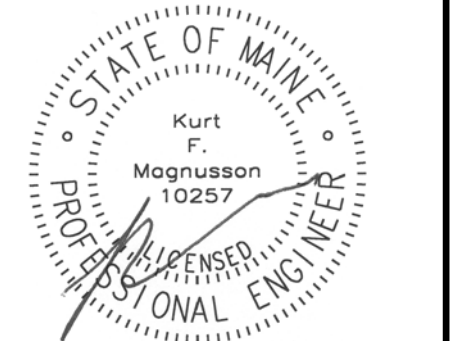
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 Project 1702

Greater Portland Health  
 63 Preble Street Renovation  
 Portland, Maine

REV	DESCRIPTION	DATE



SEAL:  
 PROJECT NUMBER: 201708  
 DATE: 07/24/2017  
 SHEET TITLE AND NUMBER:

# M1

Mechanical Plan  
New Work