

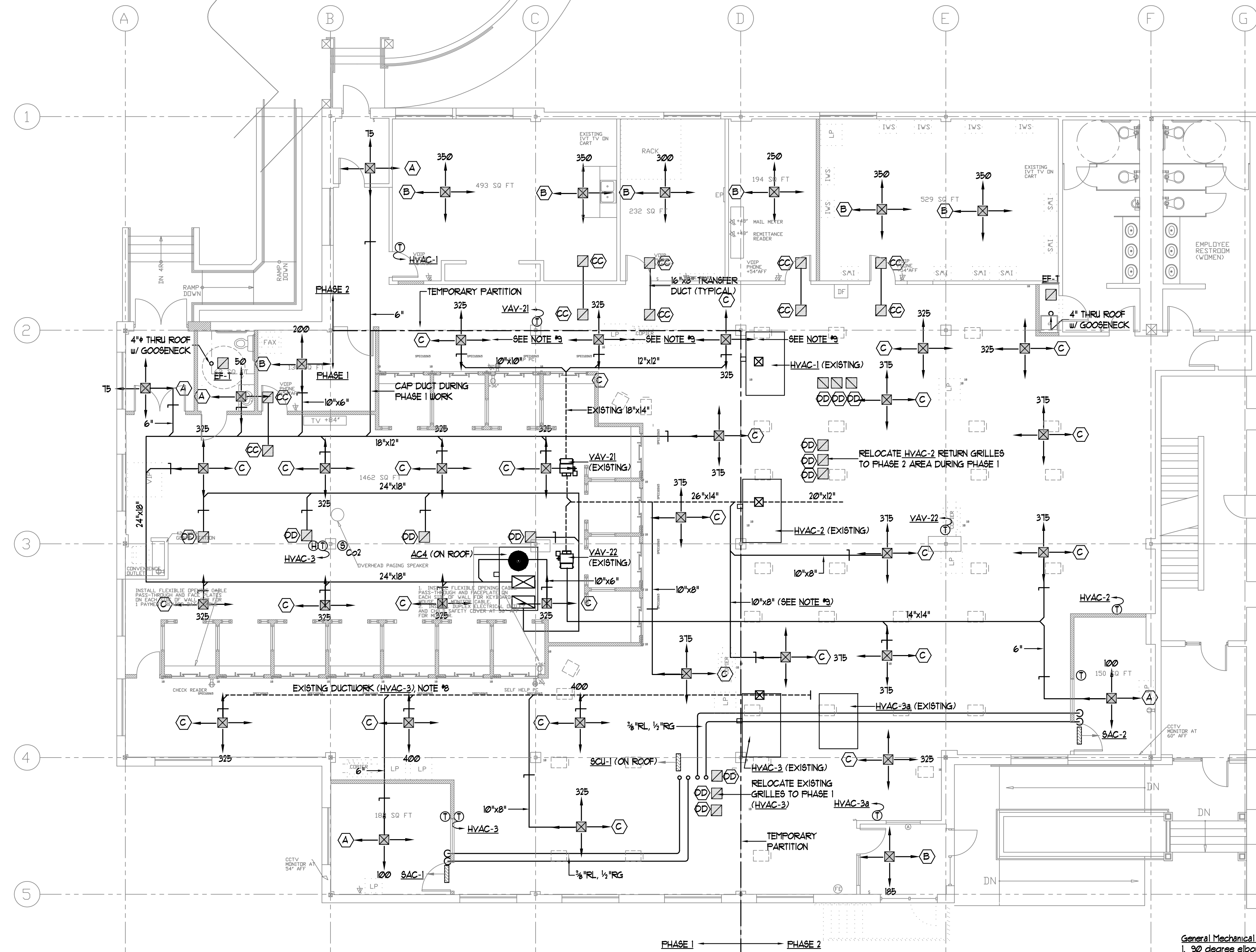
SPLIT-SYSTEM HEAT PUMP INDOOR UNIT PERFORMANCE SCHEDULE																
* - AT ARI CONDITIONS OF 85°F AMBIENT/65°F INDOOR WB																
TAG	TOTAL COOLING (MBH)	AIRFLOW (CFM)	HEATING CAPACITY (BTUH @ 95°F)	COND. DRAN (IN)	EER (BTUH/WATT)	SOUND RATING (DB)	WEIGHT (LBS)	REFRIGERANT PIPE SIZE (IN)			ELECTRICAL REQUIREMENTS			BASIS OF DESIGN MITSUBISHI		
								LIQUID	GAS	MCA	MAX FUSE	V/PH/Hz	SERVICE	ARRANGEMENT	MODEL	
SAC-1,2	9.0	250	10,000	1"	12.0	40	25	1/2	3/8	1.0	-	200/1/60	OFFICES	WALL	MSZ-GE09NA-9	

SPLIT-SYSTEM OUTDOOR UNIT PERFORMANCE SCHEDULE												
* - AT ARI CONDITIONS OF 95°F AMBIENT / 61°F INDOOR WB. PROVIDE BRANCH CIRCUIT BOXES AS REQUIRED AND 24" H STANDS FOR THE OUTDOOR UNIT.												
TAG	TOTAL COOLING (MBH)	REFRIGERANT	EER	MINIMUM AMBIENT TEMP (°F)	HEATING CAPACITY (BTUH @ 95°F)	OPERATING WEIGHT (LBS)	MCA	MOP	V/PH/Hz	BASIS OF DESIGN MITSUBISHI "HyperHeat H2"		
										SOUND (DB)	SERVICE	MODEL
SOU-1	18.0	R-410A	13.5	-13	22,000	124	75.0	40.0	208/1/60	-	SAC-1,2	MXZ-2C20NAHZ

FAN PERFORMANCE SCHEDULE													
BASIS OF DESIGN - PANASONIC "HyperGreen Select"													
TAG	AIRFLOW (CFM)	TSP (INWG)	NOISE (SONES)	RPM	DRIVE	ELECTRICAL REQUIREMENTS				BASIS OF DESIGN - PANASONIC "HyperGreen Select"			
						HP	BHP	WATTS	AMPS	V/PH/Hz	SERVICE	ARRANGEMENT	MODEL
EF-1	50/100	0.25	0.4	-	DIRECT	-	-	11.0	0.2	120/1/60	TOILET RM / JANITOR'S CLOSET	CEILING	PV-05-1M3

Note: EF-1 shall come with motion sensors and be multi-speed with time delay plug n' play module.

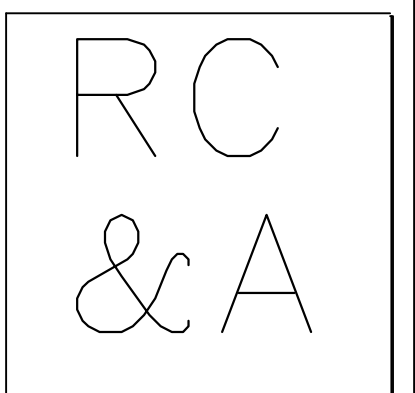
AIR DEVICE PERFORMANCE SCHEDULE												
TAG	FANEL SIZE (IN)	NECK SIZE (IN)	AIRFLOW (CFM)	SPLOSSE (INWG)	THROW (L)	THROW (S)	Nc	BASIS OF DESIGN (F) FANTECH PRICE				
								DUCT CONN (N)	PATTERN	MODEL		
A	24x24	6x6	150	0.05	-	-	25	SEE DUGS	SEE DUGS	APX-3AL		
B	24x24	9x9	350	0.05	-	-	30	SEE DUGS	SEE DUGS	APX-3AL		
C	24x24	12x12	500	0.05	-	-	30	SEE DUGS	SEE DUGS	APX-3AL		
D	24x24	15x15	700	0.05	-	-	30	SEE DUGS	SEE DUGS	APX-3AL		
E _{m/s}	24x24	6" / 8"	125/300	0.01	-	-	-	SEE DUGS	SEE DUGS	PPD2 (m/s)		
H	-	30x12	1350	0.05	-	-	23	SEE DUGS	DRUM DIFFUSER	AHCD2D		
I	-	8" x	220	0.05	-	-	18	SEE DUGS	ADJUSTABLE (F) RHV	-		
AA	-	8x8	100	0.05	-	-	30	SEE DUGS	1/2" 45°	60DAL		
BB	-	12x12	400	0.05	-	-	30	SEE DUGS	1/2" 45°	60DAL		
CC	-	16x16	600	0.05	-	-	30	SEE DUGS	1/2" 45°	60DAL		
DD	-	22x22	1200	0.05	-	-	30	SEE DUGS	1/2" 45°	60DAL		
EE	-	14x24	4000	0.05	-	-	-	SEE DUGS	ADJUSTABLE (F) RHV	* 6356		
FF	-	24x16	-	-	-	-	25	SEE DUGS	1/2" 45°	60DAL		
GG	-	32x16	800	0.05	-	-	25	SEE DUGS	1/2" 45°	60DAL		



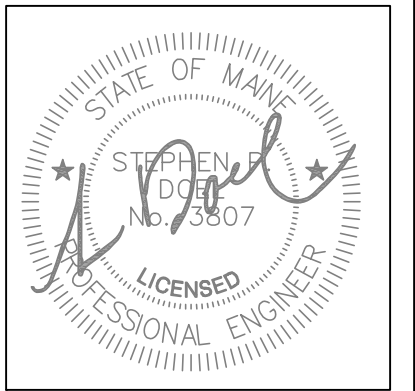
Description of Mechanical Phasing
 HVAC-1 (existing): Shut down and cap ductwork during Phase 1 construction. Relocate return grilles into Phase 1 area and make operational at the end of Phase 1 and beginning of Phase 2.
 HVAC-2 (existing): During Phase 1, modify ductwork as shown to only serve the Phase 2 area. During Phase 1, complete ductwork and replace grilles.
 HVAC-3 (existing): During Phase 3, modify ductwork as shown and replace grilles.
 HVAC-3a (existing): During Phase 2, modify ductwork as shown and replace grilles.
 HVAC-4 (new): Install and make operational during Phase 1.

- General Mechanical & Phasing Notes**
- 90 degree elbows shall be mitered with angle thickness turning vanes or radiused with a 4 radius = 1.5 times the duct width.
 - Ductwork within 5' of the rooftop unit shall have 1" thick acoustical duct liner (Armaflex AP).
 - Gas appliances shall have Maxitrol or Pietro-Fiorini gas pressure regulators with vent limiters or vented to atmosphere per Code.
 - Supply ductwork shall be insulated with 2" thick fiberglass ductwrap with F&K. Condensate piping shall have 1" thick fiberglass pipe insulation w/ ABSJ.
 - Replace / add / delete / relocate existing ceiling grilles, registers and diffusers as indicated.
 - Adjust existing VAV boxes to airflow shown.
 - See the Architectural Phasing Plans for the sequence of work.
 - HVAC-3 shall be taken out of service during Phase 1 work.
 - Temporarily cap ducts during Phase 1 work.
 - Shut down and cap ducts to HVAC-2 during Phase 2 work.

FLOOR PLAN
 Scale: 1/8" = 1' - 0"



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 59 Sanford St
 Portland, ME 04103
 207-856-1838

Project:
 RENOVATIONS TO SSA OFFICES
 550 Forest Avenue
 Portland, ME 04103

Project No: 10403

Drawing Title:
 HVAC FLOOR PLAN

Scale: 1/8" = 1' - 0"
 Date: 09 Dec 2016
 Revision Dates:
 10/21/16-75% Progress
 12/09/16-Final Review
 1/04/17-For Permit

Drawing Number:

M1.1