

EXISTING AIR HANDLING UNITS SCHEDULE																											
AIRFLOW														FAN													
UNIT #	MAX CFM	MIN CFM	MIN OA CFM	EXTERNAL STATIC IN WC	FAN TYPE	FAN HP	ELEC V/PH	INTEGRAL VFD W/ BYPASS	DISCONNECT FOR EACH FAN	EAT	LAT	EWT	LWT	HEATING COIL				COOLING COIL				FILTERS					
														FLOW RATE GPM	AIRSIDE PD IN WC	MBH	WATERSIDE PD FT	EAT GPM/W	LAT GPM/W	EWT	LWT	FLOW RATE GPM	AIRSIDE PD IN WC	WATERSIDE PD FT	PRE	FINAL	PRESSURE DROP IN WC
AC-50	6000	3500	1350	3.00	PLENUM	15	230/3	Y	N	43.8	55.0	180	160	11.0	0.063	22.0	0.43	78/63	55/52	45	55	23.2	0.402	1.43	MERV 8	MERV 14	1.78

RETURN EXHAUST FAN SCHEDULE									
UNIT #	FAN			FAN BHP	FAN HP	ELEC V/PH	INTEGRAL VFD W/ BYPASS	DISCONNECT FOR EACH FAN	BASIS OF DESIGN
	CFM	EXTERNAL STATIC IN WC	FAN TYPE						
RF-50	5250	1.75	INLINE	2.8	5.0	2303	Y	N	PENNBARRY SX225BC

ULTRAVIOLET LIGHT COIL DISINFECTION SCHEDULE					
UNIT #	SYSTEM SERVED	CFM	APPROX. CO. DIMS. (HxW)	ELECT. VOLTAGE	ELECT. AMPS
UV-1	AC-50 BYPASS	1600	50x10	120	1.5

NOTE:  
1. PROVIDE ELEC. INTERLOCK TO DE-ENERGIZE LIGHTS WHEN ACCESS DOOR IS OPEN.  
2. PROVIDE PILOT LIGHT TO VERIFY LAMP OPERATION.  
3. PROVIDE SIGNAGE ON ACCESS DOOR W/ UV WARNING INFORMATION.  
4. DESIGN BASIS: AMERICAN AIR & WATER CO. SERIES.  
5. LAMPS ARE MOUNTED HORIZONTALLY 18" FROM LEAVING FACE OF COIL. SUPPORT AS RECOMMENDED BY MANUFACTURER.

- EXISTING AHU SCHEDULE NOTES:
- MODIFY EXISTING SUPPLY FAN. REMOVE EXISTING AND PROVIDE NEW MOTOR, VFD, SHEAVES AND BELTS. RE-BALANCE TO INCREASE CFM FROM 4,400 TO 6,000.
  - PROVIDE OPPOSED BLADE BALANCING DAMPER ADJUSTED TO MAINTAIN A MAXIMUM OF 500 FPM ACROSS THE EXISTING COOLING COIL AT 100% FLOW.

CASED COOLING COIL SCHEDULE - CHILLED WATER 44 DEG F EWT																
UNIT NO.	LOCATION	SERVICE	AIRFLOW (CFM)	FACE VEL FPM	GPM	TEMP RISE DEG F	ROWS	P.D. IN FT HD	E.A.T		L.A.T.		P.D. IN W.G.	TOTAL MBH	DIMENSIONS (LxWxH)	REMARKS
									DB	WB	DB	WB				
CC-50A	DUCT	AC-50	1600	527	10	10	5	9.5	79	63	54	52	.5	49.9	50x10x10	1.2,3

- NOTES:
- COIL SHALL BE FLANGE MOUNTED AND SUPPORTED FROM EXISTING BUILDING STRUCTURE.
  - COIL TO BE INSTALLED IN PARALLEL TO EXISTING AC-50 COOLING COIL AND BALANCED TO 1600 CFM MAX.
  - PROVIDE CONDENSATE DRAIN PAN AND PIPE TO NEAREST FLOOR DRAIN.

RADIANT CEILING PANEL SCHEDULE (HYDRONIC )								
TAG	PANEL SIZE	HEATING					REMARKS	
		HEATING CAPACITY	EWT		BASIS OF DESIGN MODEL	MFR /		
			BTU/HFT	"F				"F
RAD-1	24x48	190	170	70	AIRTITE / AR-D		1	
RAD-2	24x24	190	170	70	AREO TECH / METAL LAY-IN		2	

- REMARKS:
- RE-INSTALLED RADIANT PANEL WITH INTEGRAL SLOTTED AIR DIFFUSER (SD-1)
  - NEW RADIANT HEATING PANEL TO MATCH EXISTING.

GRILLE, REGISTER & DIFFUSER SCHEDULE							
TAG	BASIS OF DESIGN	DESCRIPTION	MOUNTING TYPE	MODEL	BLOW PATTERN	SLOTS (NO. / SIZE)	FACE SIZE (IN)
SD-1	AIRTITE / AR-D	LINEAR BAR	--	--	2-WAY	1 / 1.5"	48"
SD-2	PRICE	LOUVERED FACE	T-BAR	SMDA	4-WAY	--	24x24
SD-3	PRICE	FILTER/DUCTED	T-BAR	LFDCSS	--	--	24x48
SD-4	PRICE	FILTER/DUCTED	T-BAR	LFDCSS	--	--	24x24
RD-1	PRICE	PERFORATED FACE	T-BAR	PDDR	--	--	24x24
EG-1	PRICE	PERFORATED FACE	T-BAR	PDDR	--	--	12x12

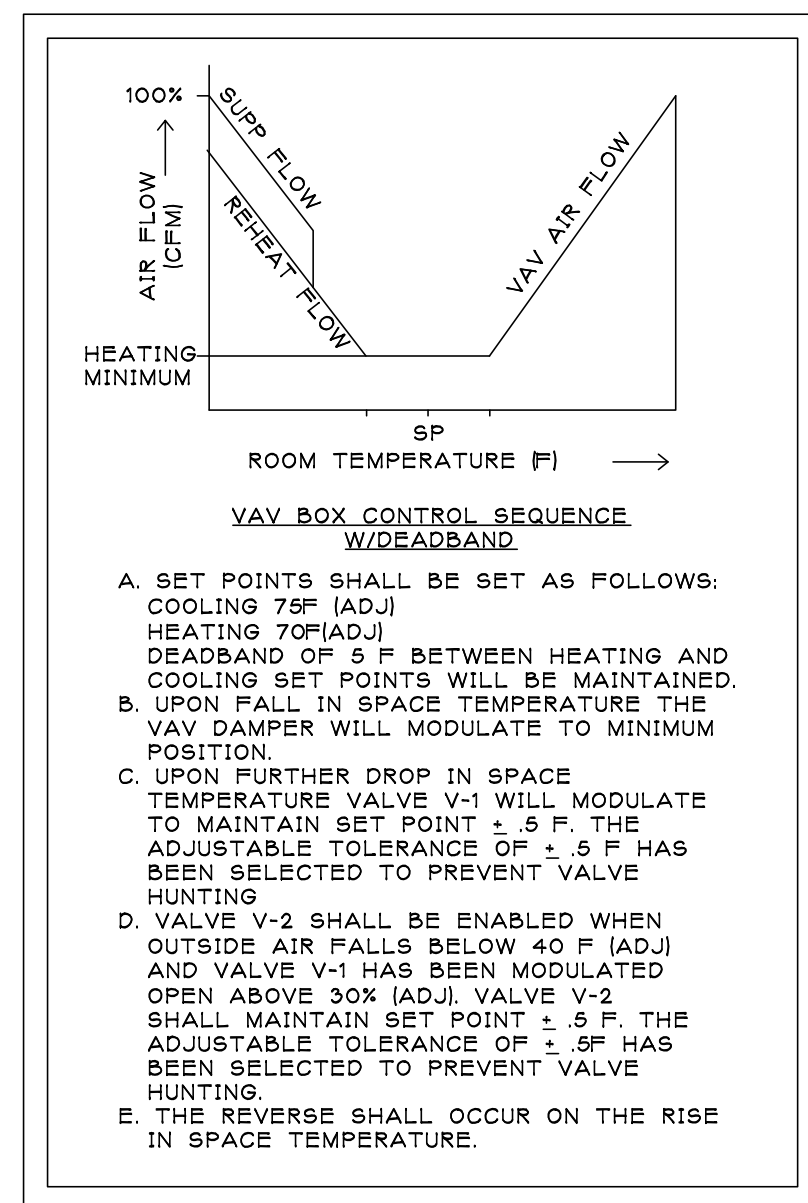
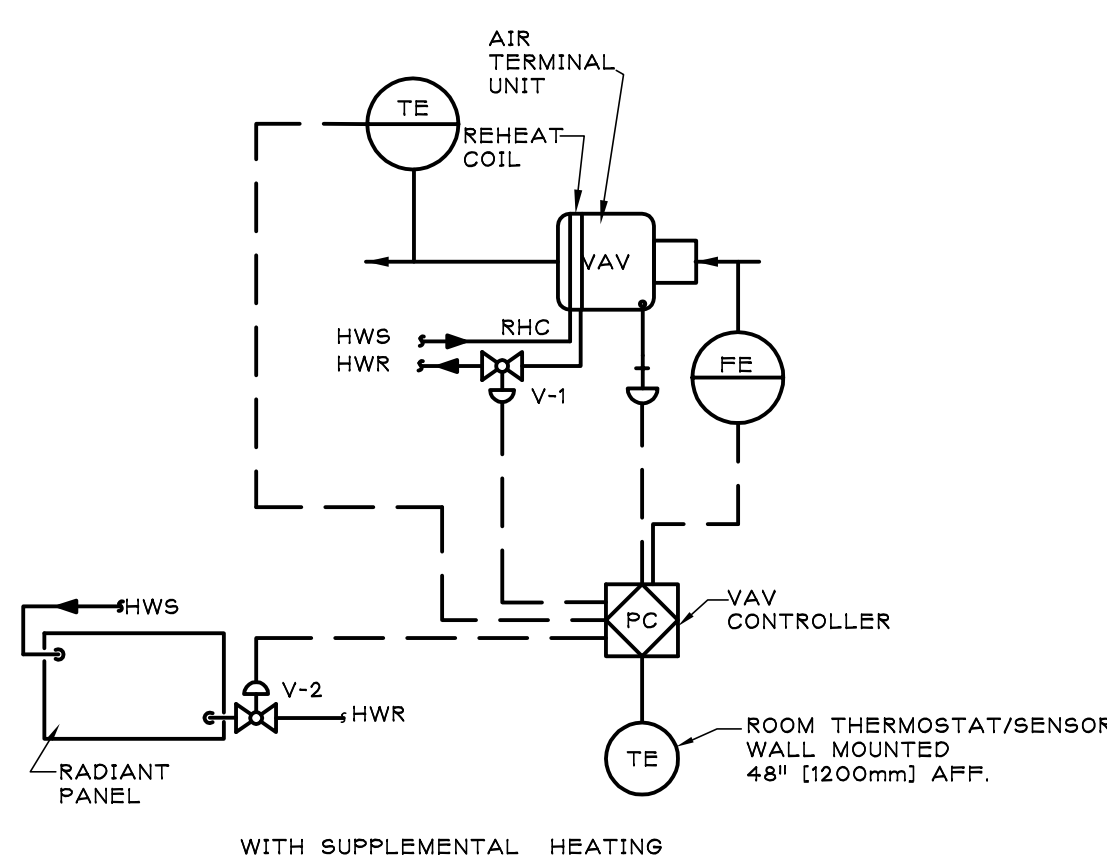
- REMARKS:
- COORDINATE FRAME AND MOUNTING TYPE WITH INDIVIDUAL APPLICATION AND LOCATION.
  - UNIT SHALL BE CONSTRUCTED OF STEEL; COLOR SHALL BE WHITE.
  - RE-INSTALLED SUPPLY DIFFUSER INTEGRAL WITH RADIANT PANEL (RAD-1)
  - RE-INSTALLED SUPPLY/RETURN DIFFUSER.
  - PROVIDE WITH HIGH EFFICIENCY MERV 14 FILTERS. FILTERS SHALL BE ROOMSIDE REPLACEABLE.

EXHAUST FAN (EF) SCHEDULE									
ITEM	DESCRIPTION	LOCATION	CFM	E.S.P. (IN W.G.)	DRIVE	RPM	MOTOR		REMARKS
							HP	VOLTS / PHASE / HZ	
EF-1	GENERAL EXHAUST	ROOF	750	0.5	BELT	1150	1/6	120/1/60	LOREN COOK 120 ACEB

- REMARKS:
- FURNISH AND INSTALL DISCONNECT WITH THERMAL OVERLOAD PROTECTION.
  - FURNISH 12-INCH PRE-FABRICATED ROOF CURB, FACTORY INSTALLED BACK DRAFT DAMPER AND ALUMINUM BIRD SCREEN.

INSULATION SCHEDULE (c)												
TYPE	EQUIPMENT OR SYSTEM SERVED	INSULATION CLASS (a)			JACKETING CLASS (b)			THICKNESS (IN)				
		INTERIOR CONCEALED	INTERIOR EXPOSED	EXTERIOR	INTERIOR GENERAL	EQUIPMENT ROOMS	EXTERIOR	NOMINAL PIPE SIZE (IN)				DUCTWORK
								5 - 1.5	2 - 4	5 - 6	8 & UP	
A	HWS, HWR	FG	--	--	1	--	--	1	2	2.5	3	
		--	FG	--	1	1 & 3	--	1	2	2.5	3	
		--	--	UR	--	--	6	1.5	2	3	4	
B	DUCTWORK	FG (e)	--	--	2	--	--	--	--	--	--	1.5
		--	FG (f)	--	2	2 & 3	--	--	--	--	--	2 (g)
		--	--	CS (f)	--	--	7	--	--	--	--	2 (h)

- (a) FG -- FIBROUS GLASS  
FE -- FLEXIBLE ELASTOMERIC  
UR -- URETHANE  
CS -- CALCIUM SILICATE  
CF -- CERAMIC FIBER
- (b) 0 -- NONE  
1 -- ALL SERVICE  
2 -- ALUMINUM FOIL  
3 -- CANVAS  
4 -- POLYVINYL CHLORIDE  
5 -- STAINLESS STEEL  
6 -- ALUMINUM  
7 -- EPDM
- (c) INSULATION TYPE, JACKETING & THICKNESS FOR EQUIPMENT SHALL MATCH THE CORRESPONDING PIPING SYSTEM'S PARAMETERS LISTED FOR EQUIPMENT ROOMS, NOMINAL PIPE SIZE 8" AND LARGER
- (d) SUPPLY AIR  
OUTSIDE AIR  
MIXED AIR
- (e) BLANKET
- (f) RETURN AIR AND / OR EXHAUST AIR AS SHOWN
- (g) EXCEPT SUPPLY AIR WITHIN CONDITIONED SPACE
- (h) RETURN AIR AND / OR EXHAUST AIR AS SHOWN

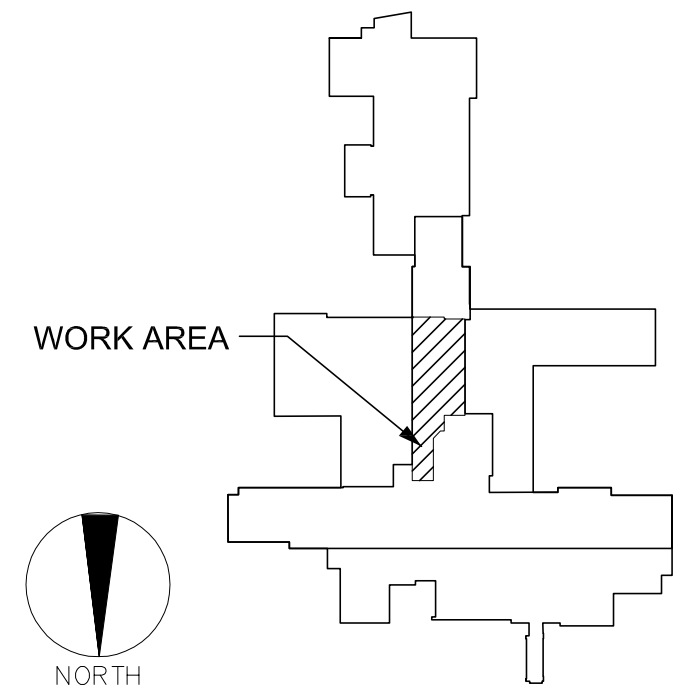


## VARIABLE AIR VOLUME (VAV) TERMINAL UNIT CONTROL DIAGRAM

SCALE: NONE

## VARIABLE AIR VOLUME AIR HANDLING UNIT CONTROL DIAGRAM

SCALE: NONE



KEY PLAN

Scale: As Noted

<b>CONSULTANTS:</b>		<b>ARCHITECT/ENGINEERS:</b>		<b>Drawing Title</b> MECHANICAL SCHEDULES AND CONTROLS		<b>Project Title</b> RENOVATE FOR WOMEN'S CLINIC		<b>Project Number</b> VA# 528A7-13-701 IPD# 11-7230	
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		<b>Approved: Project Director</b>		<b>Date</b> 12.18.2012		<b>Checked</b> SBG		<b>Drawn</b> NCB	
<b>Revisions:</b>		<b>Date</b>		<b>Drawing Number</b> M-601		<b>Dwg. 33 of 41</b>		<b>VA HEALTHCARE NETWORK</b> UPSTATE NEW YORK	