

WATER COIL SCHEDULE - HEATING

DIV 238216

DESIGNATION	SERVICE	LOCATION	COOLING								HEATING				COIL							EQUIPMENT			REMARKS (1,2,3,...)	ACCESSORIES (A,B,C,...)			
			TOTAL CAP. (MBH)	SENSIBLE CAP. (MBH)	EAT		LAT		FLUID		TOTAL CAP. (MBH)	AIR		FLUID		S.A. FLOW (CFM)	O.A. FLOW (CFM)	# OF ROWS/ FPI	FLOW RATE (GPM)	MAX. FACE VEL (FPM)	AIR PRES. DROP (INCHES WC)	WTR PRES DROP (FT OF HEAD)	TUBE THICKNESS (INCHES)	MODEL NO.:			MFG.	WEIGHT	
					DB F	WB F	DB F	WB F	EFT (DB F)	LFT (DB F)		EAT (DBF)	LAT (DBF)	EFT (DB F)	LFT (DB F)														
CC-1	AHU-X	MER RM #	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,2,3,4,5,6,7,8,9,10 A,B,C	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

REMARKS:

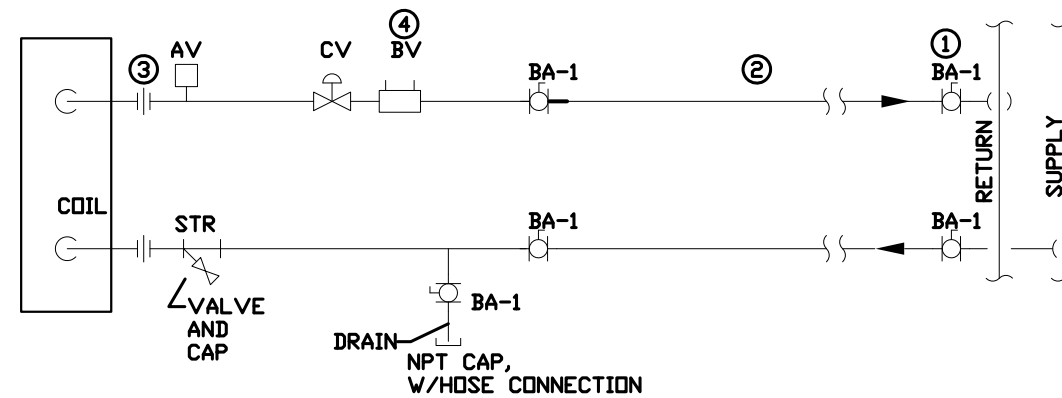
1. AIR SIDE FACE VELOCITY SHALL NOT EXCEED 450 FPM.
2. MINIMUM TUBE THICKNESS SHALL BE 0.35 INCHES
3. MAXIMUM AIR PRESSURE DROP SHALL BE 0.2 INCHES WC
4. MAXIMUM WATER PRESSURE DROP SHALL BE 10 FT WC
5. FPI SHALL NOT BE GREATER THAN 12.
8. COIL CONNECTIONS SHALL BE MALE NPT, OR FLANGE
9. COIL AND HEADERS SHALL BE FABRICATED OF NON-FERROUS MATERIAL
10. EOR SHALL SIZE COIL FOR 140 F EWT, UNLESS OTHERWISE DIRECTED BY FACILITY ENGINEERING

ACCESSORIES:

- A. COIL SHALL HAVE HIGH POINT MANUAL VENT
- B. COIL SHALL HAVE LOW POINT DRAIN
- C. STACKED COILS SHALL HAVE BALANCING VALVE FOR EACH COIL, ON RETURN SIDE.

KEY NOTES:

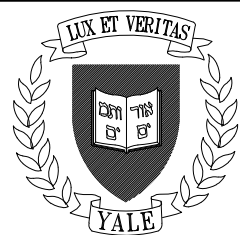
1. PROVIDE ISOLATION VALVES AT MAIN
2. FINAL CONNECTION TO VAV SHALL BE HARD PIPED, FLEXIBLE CONNECTIONS ARE PROHIBITED. MANUAL, AND BALANCING VAVLES SHALL COMPLY WITH YALE STANDARD. COIL PACKAGES WITH INTEGRATED ISOLATION VALVES FOR STAINER AND BALANCING VALVE ARE PROHIBITED.
3. PROVIDE BREAK FLANGES OR UNIONS FOR COIL REMOVAL.
4. BALANCING VALVE:
 - A.A. MANUAL: BELL AND GOSSETT MODEL #CB BRONZE CALIBRATED CIRCUIT SETTER HAVING PRESET BALANCING CAPABILITIES, MEMORY STOP, BRASS BALL, DIFFERENTIAL PRESSURE READOUT PORTS AND CALIBRATED NAMEPLATE.



1 VAV HEATING COIL
SCALE: NTS

GENERAL NOTES:

1. VAV TO BE INSTALLED PER MANUFACTURES RECOMMENDATIONS. MAINTAIN CLEARANCE FOR ACCESS TO CONTROLS AND OTHER DEVICES WHICH REQUIRE MAINTENANCE ACCESS.



Yale University
Facilities Planning & Construction
Standard Detail

DETAIL TITLE:
VAV HEATING COIL

CAD DETAIL NO.:
SD238216-05

DATE: 01/16/2019
SCALE: N.T.S.
BY: MGL