

Architect's Supplemental Instructions

Architect's Project No:
04561.01

Architect's ASI No: 062

Project:
Webster University
Interdisciplinary Science
Building

Date Issued: 04/20/17

Contract Date:

Reason Code: 06 Owner's Scope

Discipline Code: 09 Mechanical

Owner:
Webster University

Architect:
Cannon Design
1100 Clark Avenue
St. Louis, MO 63102

Contractor:
Paric Construction

Contract For: General Construction

The Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Indicate your acceptance of these instructions for minor change to the Work as consistent with the Contract Documents and return a copy to the Architect within fourteen (14) business days of the date of issuance of these instructions. If you feel a change in Contract Sum or Contract Time is warranted, please submit an itemized quotation for the changes for approval within fourteen (14) business days of the date of issuance of these instructions prior to proceeding on the Work. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change.

Attachments:

Drawings:

M0402 – DIAGRAMS - MECHANICAL

M0603 – SCHEDULES - MECHANICAL

St. Louis
Baltimore
Boston
Buffalo
Calgary
Chicago
Houston
Los Angeles
Mumbai
New York
Phoenix
San Francisco
Shanghai
Toronto
Vancouver
Victoria
Washington DC

Architect's Supplemental Instructions

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Description:

Please submit an itemized proposal for changes in contract Sum and Contract Time for proposed modifications to the Contract Documents described herein:

SHEET M0402 - DIAGRAMS – MECHANICAL

- Delete reference to 1” backpressure regulating valve from **HEATING WATER FLOW AND AUTOMATION DIAGRAM**.

SHEET M0603 – SCHEDULES – MECHANICAL

- **VARIABLE AIR VOLUME BOX WITH HOT WATER (VAV) SCHEDULE:**
Delete Note #5 from VAV-101, VAV-201, VAV-301, and VAV-401

Issued by Architect: Mike Nolte, William Tao & Associates, Inc.

Accepted by Contractor:

THE SEAL(S) AND SIGNATURE(S) APPLY ONLY TO THE DOCUMENT TO WHICH THEY ARE AFFIXED, AND EXPRESSLY DISCLAIM ANY RESPONSIBILITY FOR ALL OTHER PLANS, SPECIFICATIONS, ESTIMATES, REPORTS OR OTHER DOCUMENTS OR INSTRUMENTS RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE ARCHITECTURAL OR ENGINEERING PROJECT.



Webster University
Interdisciplinary Science
Building

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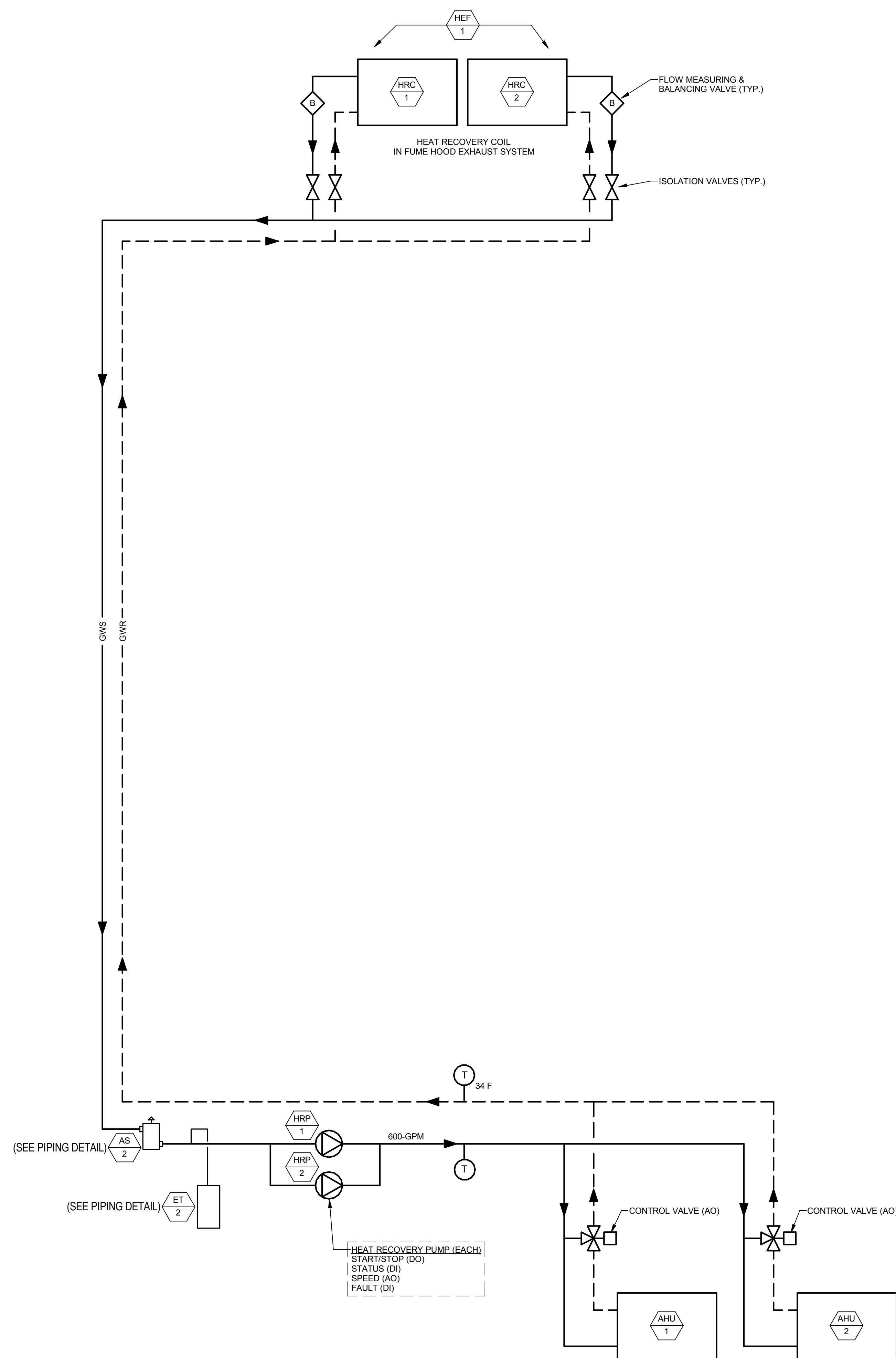
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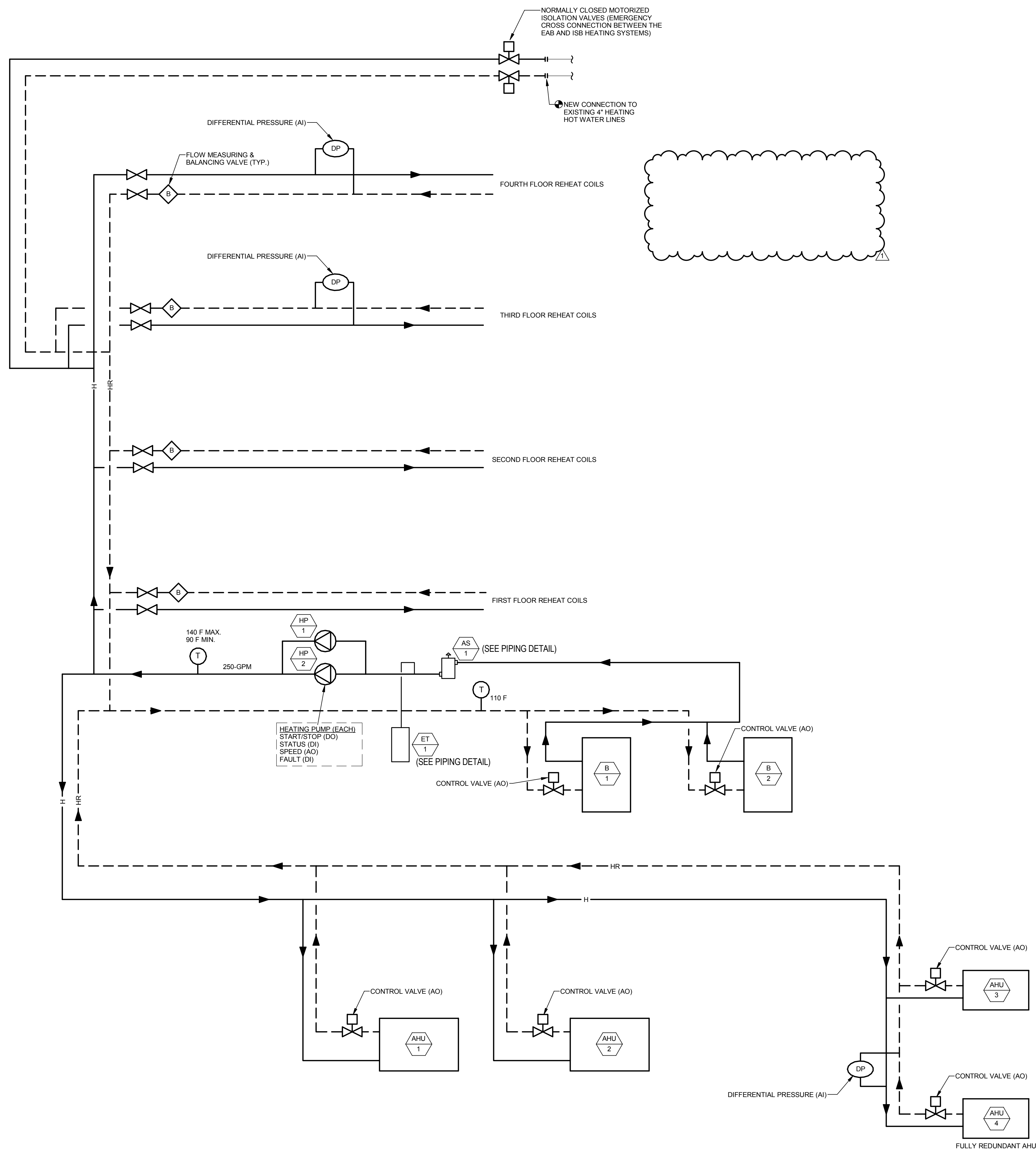
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HEAT RECOVERY WATER FLOW AND AUTOMATION DIAGRAM



HEATING WATER FLOW AND AUTOMATION DIAGRAM

1	ASI-062	21 APR 2017
-	ISSUED FOR CONSTRUCTION (BP2)	01 MAR 2016
No.	Description	Date

Drawing Title:

DIAGRAMS - MECHANICAL

Project No.: 04561.01 Checked by:

M0402

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VARIABLE AIR VOLUME BOX WITH HOT WATER (VAV) SCHEDULE

r#	TAG NO	MANUFACTURER & MODEL NO.	INLET SIZE (INCHES)	COOLING CFM				HEATING COIL								MAX WATER PD (FT)	COIL CAPACITY (MBH)	MAX AIR PD (IN W.G.)	NOTES
				MIN	MAX	DISCH. MAX NC	CFM	AIR TEMP. (F°)		WATER FLOW (GPM)		WATER TEMP. (F°)							
								EAT	LAT			EWT	LWT						
VAV	101	PRICE SDV	6"	90 CFM	300 CFM	25	135 CFM	55	86.9	0.5	140	100	2	4.8	0.35	1, 2, 3, 4			
VAV	102	PRICE SDV	6"	230 CFM	460 CFM	25	280 CFM	55	77.0	0.5	140	100	2	6.8	0.35	1, 3, 4			
VAV	103	PRICE SDV	9"	180 CFM	600 CFM	25	280 CFM	55	86.9	0.8	140	100	2	9.8	0.35	1, 2, 3, 4			
VAV	104	PRICE SDV	6"	65 CFM	210 CFM	25	105 CFM	55	75.0	0.5	140	100	2	2.3	0.35	1, 3, 4			
VAV	105	PRICE SDV	6"	70 CFM	275 CFM	25	95 CFM	55	74.0	0.5	140	100	2	1.9	0.35	1, 3, 4			
VAV	106	PRICE SDV	7"	105 CFM	350 CFM	25	350 CFM	55	93.0	1.1	140	100	2	14.6	0.35	1, 2, 3, 4			
VAV	107	PRICE SDV	6"	65 CFM	200 CFM	25	170 CFM	55	86.9	0.5	140	100	2	6.0	0.35	1, 2, 3, 4			
VAV	108	PRICE SDV	7"	110 CFM	360 CFM	25	360 CFM	55	95.0	1.4	140	100	2	18.7	0.35	1, 2, 3, 4			
VAV	109	PRICE SDV	8"	170 CFM	495 CFM	25	490 CFM	55	95.0	2.0	140	100	2	26.6	0.35	1, 2, 3, 4			
VAV	110	PRICE SDV	10"	480 CFM	800 CFM	25	600 CFM	55	83.2	1.4	140	100	2	18.6	0.35	1, 2, 3, 4			
VAV	111	PRICE SDV	7"	120 CFM	390 CFM	25	230 CFM	55	86.9	0.6	140	100	2	8.1	0.35	1, 2, 3, 4			
VAV	112	PRICE SDV	6"	50 CFM	150 CFM	25	75 CFM	55	73.5	0.5	140	100	2	1.2	0.35	1, 3, 4			
VAV	113	PRICE SDV	10"	480 CFM	800 CFM	25	500 CFM	55	86.9	1.3	140	100	2	17.6	0.35	1, 2, 3, 4			
VAV	114	PRICE SDV	9"	190 CFM	730 CFM	25	730 CFM	55	86.9	2.0	140	100	2	26.9	0.35	1, 2, 3, 4, 5			
VAV	115	PRICE SDV	14"	600 CFM	1820 CFM	25	1130 CFM	55	86.9	2.9	140	100	2	39.8	0.35	1, 2, 3, 4			
VAV	116	PRICE SDV	7"	125 CFM	370 CFM	25	280 CFM	55	77.0	0.5	140	100	2	6.7	0.35	1, 3, 4			
VAV	117	PRICE SDV	9"	225 CFM	685 CFM	25	550 CFM	55	76.5	0.9	140	100	2	12.8	0.35	1, 2, 3, 4			
VAV	118	PRICE SDV	12"	270 CFM	1135 CFM	25	1135 CFM	50	89.0	3.2	140	100	2	42.4	0.35	1, 2, 3, 4			
VAV	119	PRICE SDV	8"	175 CFM	490 CFM	25	320 CFM	55	86.9	0.9	140	100	2	11.2	0.35	1, 2, 3, 4			
VAV	120	PRICE SDV	6"	100 CFM	285 CFM	25	225 CFM	55	86.9	0.6	140	100	2	7.9	0.35	1, 2, 3, 4			
VAV	121	PRICE SDV	6"	60 CFM	215 CFM	25	185 CFM	55	86.9	0.5	140	100	2	6.5	0.35	1, 2, 3, 4			
VAV	122	PRICE SDV	6"	60 CFM	210 CFM	25	180 CFM	55	86.9	0.5	140	100	2	5.6	0.35	1, 2, 3, 4			
VAV	123	PRICE SDV	14"	700 CFM	1395 CFM	25	1085 CFM	55	86.9	2.9	140	100	2	38.2	0.35	1, 2, 3, 4			
VAV	124	PRICE SDV	14"	700 CFM	1955 CFM	25	1085 CFM	55	86.9	2.9	140	100	2	38.2	0.35	1, 2, 3, 4			
WTA LEVEL 01: 24				5420 CFM	14680 CFM		10555 CFM			29.4									
VAV	201	PRICE SDV	6"	65 CFM	200 CFM	25	200 CFM	55	93.4	0.7	140	100	2	8.4	0.35	1, 2, 3, 4			
VAV	202	PRICE SDV	10"	280 CFM	920 CFM	25	555 CFM	55	75.5	1.0	140	100	2	12.4	0.35	1, 2, 3, 4			
VAV	203	PRICE SDV	4"	45 CFM	80 CFM	25	80 CFM	55	86.9	0.5	140	100	2	1.6	0.35	1, 3, 4			
VAV	204	PRICE SDV	10"	180 CFM	840 CFM	25	505 CFM	55	84.0	1.2	140	100	2	16.0	0.35	1, 2, 3, 4			
VAV	205	PRICE SDV	6"	85 CFM	310 CFM	25	310 CFM	55	86.9	0.8	140	100	2	10.8	0.35	1, 2, 3, 4			
VAV	206	PRICE SDV	6"	85 CFM	310 CFM	25	310 CFM	55	86.9	0.8	140	100	2	10.7	0.35	1, 2, 3, 4			
VAV	207	PRICE SDV	7"	85 CFM	325 CFM	25	325 CFM	55	86.9	0.9	140	100	2	11.2	0.35	1, 2, 3, 4			
VAV	208	PRICE SDV	6"	195 CFM	195 CFM	25	195 CFM	55	86.9	0.5	140	100	2	6.8	0.35	1, 2, 3, 4			
VAV	209	PRICE SDV	14"	480 CFM	1900 CFM	25	990 CFM	55	86.9	2.6	140	100	2	34.7	0.35	1, 2, 3, 4			
VAV	210	PRICE SDV	14"	420 CFM	1500 CFM	25	600 CFM	55	84.0	1.5	140	100	2	19.1	0.35	1, 2, 3, 4			
VAV	212	PRICE SDV	12"	450 CFM	1500 CFM	25	1470 CFM	55	86.9	3.9	140	100	2	51.8	0.35	1, 2, 3, 4			
VAV	213	PRICE SDV	6"	50 CFM	210 CFM	25	140 CFM	55	75.5	0.5	140	100	2	3.1	0.35	1, 3, 4			
VAV	214	PRICE SDV	7"	105 CFM	305 CFM	25	155 CFM	55	75.5	0.5	140	100	2	3.5	0.35	1, 3, 4			
VAV	215	PRICE SDV	5"	65 CFM	200 CFM	25	120 CFM	55	75.5	0.5	140	100	2	2.4	0.35	1, 3, 4			
VAV	216	PRICE SDV	6"	70 CFM	275 CFM	25	96 CFM	55	75.5	0.5	140	100	2	1.9	0.35	1, 3, 4			
VAV	217	PRICE SDV	12"	360 CFM	1200 CFM	25	640 CFM	50	86.9	1.8	140	100	2	23.8	0.35	1, 2, 3, 4			
WTA LEVEL 02: 16				3020 CFM	10270 CFM		6690 CFM			18.2									
VAV	301	PRICE SDV	6"	65 CFM	250 CFM	25	250 CFM	55	89.6	0.7	140	100	2	9.5	0.35	1, 2, 3, 4			
VAV	302	PRICE SDV	6"	110 CFM	360 CFM	25	270 CFM	55	82.0	0.6	140	100	2	8.0	0.35	1, 2, 3, 4			
VAV	303	PRICE SDV	6"	65 CFM	200 CFM	25	110 CFM	55	86.9	0.5	140	100	2	3.9	0.35	1, 2, 3, 4			
VAV	304	PRICE SDV	10"	260 CFM	680 CFM	25	475 CFM	55	86.9	1.3	140	100	2	16.6	0.35	1, 2, 3, 4			
VAV	305	PRICE SDV	10"	200 CFM	735 CFM	25	80 CFM	55	95.5	1.6	140	100	2	21.4	0.35	1, 2, 3, 4			
VAV	306	PRICE SDV	9"	165 CFM	630 CFM	25	540 CFM	55	90.5	1.6	140	100	2	21.2	0.35	1, 2, 3, 4			
VAV	307	PRICE SDV	10"	165 CFM	660 CFM	25	0 CFM	55	93.0	1.7	140	100	2	22.6	0.35	1, 2, 3, 4			
VAV	308	PRICE SDV	10"	240 CFM	935 CFM	25	690 CFM	55	86.9	1.8	140	100	2	24.3	0.35	1, 2, 3, 4			
VAV	309	PRICE SDV	12"	360 CFM	1320 CFM	25	660 CFM	55	86.9	1.8	140	100	2	23.2	0.35	1, 2, 3, 4			
VAV	310	PRICE SDV	14"	540 CFM	1920 CFM	25	975 CFM	55	86.9	2.6	140	100	2	34.3	0.35	1, 2, 3, 4			
VAV	311	PRICE SDV	10"	225 CFM	750 CFM	25	600 CFM	55	86.9	1.6	140	100	2	21.1	0.35	1, 2, 3, 4, 5			
VAV	312	PRICE SDV	12"	430 CFM	1420 CFM	25	810 CFM	50	86.9	2.1	140	100	2	28.4	0.35	1, 2, 3, 4			
VAV	313	PRICE SDV	12"	300 CFM	1180 CFM	25	540 CFM	55	86.9	1.4	140	100	2	18.9	0.35	1, 2, 3, 4			
VAV	314	PRICE SDV	14"	480 CFM	1600 CFM	25	1040 CFM	55	86.3	2.7	140	100	2	36.4	0.35	1, 2, 3, 4			
VAV	315	PRICE SDV	10"	265 CFM	935 CFM	25	795 CFM	55	85.3	2.3	140	100	2	30.8	0.35	1, 2, 3, 4			
VAV	316	PRICE SDV	12"	265 CFM	1040 CFM	25	680 CFM	55	90.0	1.8	140	100	2	23.9	0.35	1, 2, 3, 4			
VAV	317	PRICE SDV	6"	65 CFM	210 CFM	25	205 CFM	55	86.9	0.5	140	100	2	4.1	0.35	1, 3, 4			
VAV	318	PRICE SDV	7"	110 CFM	390 CFM	25	295 CFM	55	75.0	0.5	140	100	2	6.3	0.35	1, 3, 4			
VAV	319	PRICE SDV	6"	75 CFM	320 CFM	25	180 CFM	55	75.0	0.5	140	100	2	6.3	0.35	1, 3, 4			
VAV	320	PRICE SDV	10"	120 CFM	710 CFM	25	215 CFM	55	86.9	0.5	140	100	2	7.6	0.35	1, 2, 3, 4			
VAV	321	PRICE SDV	9"	455 CFM	650 CFM	25	455 CFM	55	86.9	0.6	140	100	2	9.1	0.35	1, 3, 4			
VAV	322	PRICE SDV	6"	70 CFM	275 CFM	25	70 CFM	55	74.0	0.7	140	100	2	1.4	0.35	1, 3, 4			
VAV	411	PRICE SDV	8"	165 CFM	540 CFM	25	325 CFM	50	86.9	0.9	140	100	2	11.3	0.35	1, 2, 3, 4			
WTA LEVEL 03: 23				5195 CFM	17710 CFM		10260 CFM			30.3									
VAV	401	PRICE SDV	6"	90 CFM	300 CFM	25	240 CFM	55	86.9	0.8	140	100	2	8.4	0.35	1, 2, 3, 4			
VAV	402	PRICE SDV	7"	135 CFM	440 CFM	25	440 CFM	55	89.0	1.2	140	100	2	16.4	0.35	1, 2, 3, 4			
VAV	403	PRICE SDV	10"	215 CFM	720 CFM	25	665 CFM	55	86.9	1.8	140	100	2	23.4	0.35	1, 2, 3, 4			
VAV	404	PRICE SDV	9"	180 CFM	610 CFM	25	545 CFM	55	86.9	1.5	140	100	2	19.2	0.35	1, 2, 3, 4			
VAV	405	PRICE SDV	8"	130 CFM	420 CFM	25	355 CFM	55	86.9	1.0	140	100	2	12.5	0.35	1, 2, 3, 4			
VAV	406	PRICE SDV	10"	255 CFM	850 CFM	25	510 CFM	55	86.9	1.4	140	100	2	18.0	0.35	1, 2, 3, 4			
VAV	407	PRICE SDV	10"	300 CFM	1000 CFM	25	480 CFM	55	86.9	1.3	140	100	2	16.9	0.35	1, 2, 3, 4			
VAV	408	PRICE SDV	10"	200 CFM	670 CFM	25	325 CFM	55	86.9	0.9	1								