

Attachment M-73



OFFICE OF CABLE TV RELOCATION - VALVE SCHEDULE

VALVE	TYPE	UNIT	GPM	HEAD'	PSI"	CALC CV	CV	VALVE PSI"	ERROR CHECK	VALVE #	VALVE SIZE	CONNECTIONS	ACTUATOR #	END SWITCH KIT	NOTES
V-1	2 WAY ISO 3" NC B-1		250	20.00	8.7	84.8	145*	145*	FULL PORT	VBN2HU3SRA	3 INCHES	NPT	MN6105A1011	SSW2	* = FULL PORT VALVE
V-2	2 WAY ISO 3" NC B-2		250	20.00	8.7	84.8	145*	145*	FULL PORT	VBN2HU3SRA	3 INCHES	NPT	MN6105A1011	SSW2	* = FULL PORT VALVE
V-3	2 WAY ISO 4" NC P-1		250	20.00	8.7	84.8	152*	152*	FULL PORT	VBF2JU1SOC	4 INCHES	FLANGED	MS8110A1008	SW2-US	* = FULL PORT VALVE
V-4	2 WAY ISO 4" NC P-2		250	20.00	8.7	84.8	152*	152*	FULL PORT	VBF2JU1SOC	4 INCHES	FLANGED	MS8110A1008	SW2-US	* = FULL PORT VALVE
V-5	2 WAY ISO 6" NC C -1		650	31.70	13.78	175.1	650*	650*	FULL PORT	VBF2L71SRC	6 INCHES	FLANGED	MS8120A1007	SW2-US	* = FULL PORT VALVE NOT NEEDED
V-6	2 WAY ISO 6" NC P-9		650	30.00	13.04	180	650*	650*	FULL PORT	VBF2L71SRC	6 INCHES	FLANGED	MS8120A1007	SW2-US	* = FULL PORT VALVE
V-3	2 WAY ISO 6" NC P-10		650	30.00	13.04	180	650*	650*	FULL PORT	VBF2L71SRC	6 INCHES	FLANGED	MS8120A1007	SW2-US	* = FULL PORT VALVE
V1-C	2 WAY - 4"	AHU1-CHWV	201.8	7.10	3.09	114.8	91	4.917672	CORRECT	VBF2JC1SOD	4 INCHES	FLANGED	MS7520A2008	FEEDBACK (2 to 10 VDC)	Per design change
V1-H	2 WAY - 2 1/2"	AHU1-HWV	83.3	1.50	0.65	103.3	101	0.680217	CORRECT	VBN2GS3POD	2.5 INCHES	NPT	MS7505A2030	FEEDBACK (2 to 10 VDC)	
V2-C	2 WAY - 2 1/2"	AHU2-CHWV	76.04	6.70	2.91	44.6	42	3.277824	CORRECT	VBN2FN3POD	2 INCHES	NPT	MS7505A2030	FEEDBACK (2 to 10 VDC)	
V2-H	2 WAY - 2"	AHU2-HWV	31.8	3.67	1.6	25.1	23	1.911607	CORRECT	VBN2EL3POD	1 1/2 INCHES	NPT	MS7505A2030	FEEDBACK (2 to 10 VDC)	
V3-C	2 WAY - 4"	AHU3-CHWV	280.8	14.27	6.2	112.8	91	9.521633	CORRECT	VBF2JT1SOD	4 INCHES	FLANGED	MS7510A2008	FEEDBACK (2 to 10 VDC)	
V3-H	2 WAY - 3"	AHU3-HWV	118.65	7.57	3.29	65.4	63	3.546944	CORRECT	VBN2HP3POD	3 INCHES	NPT	MS7505A2030	FEEDBACK (2 to 10 VDC)	
V4-C	2 WAY - 1/2"	FCU1-C	2	1.80	0.78	2.3	2	1	CORRECT	VBN2AF3POD	1/2 INCH	NPT	MS7505A2030	FEEDBACK (2 to 10 VDC)	Per Emtech change
V4-H	2 WAY - 1/2"	FCU1-H	1.39	8.34	3.63	0.7	0.68	4.178417	CORRECT	VBN2AB3POD	1/2 INCH	NPT	MS7505A2030	FEEDBACK (2 to 10 VDC)	Sized per flow
V5-C	2 WAY - 3/4"	FCU2-C	11.70	4.75	2.07	8.1	7.4	2.499817	CORRECT	VBN2BJ3POD	3/4 INCH	NPT	MS7505A2030	FEEDBACK (2 to 10 VDC)	Sized per flow
V6-C	2 WAY - 3/4"	FCU3-C	24	8.63	3.75	12.4	10.1	5.646505	CORRECT	VBN2BK3POD	3/4 INCH	NPT	MS7505A2030	FEEDBACK (2 to 10 VDC)	Sized per flow
V7-C	2 WAY - 1 1/2"	FCU4-C	62.4	5.70	2.48	39.6	37	2.844237	CORRECT	VBN2DM3POD	1 1/4 INCHES	NPT	MS7505A2030	FEEDBACK (2 to 10 VDC)	Typo - was sized per flow
V8-C	2 WAY - 1 1/2"	FCU5-C	62.4	5.70	2.48	39.6	37	2.844237	CORRECT	VBN2DM3POD	1 1/4 INCHES	NPT	MS7505A2030	FEEDBACK (2 to 10 VDC)	Typo - was 1 1/4" valves
V9-C	2 WAY - 1 1/2"	FCU6-C	62.4	5.70	2.48	39.6	37	2.844237	CORRECT	VBN2DM3POD	1 1/4 INCHES	NPT	MS7505A2030	FEEDBACK (2 to 10 VDC)	Typo - was 1 1/4" valves
V10-C	2 WAY - 3/4"	FCU7-C	24	8.63	3.75	12.4	10.1	5.646505	CORRECT	VBN2BK3POD	3/4 INCH	NPT	MS7505A2030	FEEDBACK (2 to 10 VDC)	Sized per flow
V11-C	2 WAY - 1 1/2"	FCU8-C	62.4	5.70	2.48	39.6	37	2.844237	CORRECT	VBN2DM3POD	1 1/2 INCHES	NPT	MS7505A2030	FEEDBACK (2 to 10 VDC)	
V12-H	2 WAY - 3/4"	FCU8-H	8.4	0.8	0.35	14.2	10.1	0.691697	CORRECT	VBN2BK3POD	3/4 INCH	NPT	MS7505A2030	FEEDBACK (2 to 10 VDC)	
VALVE	TYPE	UNIT	GPM	HEAD'	PSI"	CALC CV	CV	VALVE PSI"	ERROR CHECK	VALVE #	VALVE SIZE	CONNECTIONS	ACTUATOR #	END SWITCH KIT	NOTES
V13-C	2 WAY - 3/4"	FCU9-C	25.37	10.83	4.71	11.7	10.1	6.309547	CORRECT	VBN2BK3POD	3/4 INCH	NPT	MS7505A2030	FEEDBACK (2 to 10 VDC)	Sized per flow
V14-H	2 WAY - 1/2"	FCU9-H	5.15	9.8	4.26	2.5	2	6.630625	CORRECT	VBN2AF3POD	1/2 INCH	NPT	MS7505A2030	FEEDBACK (2 to 10 VDC)	Sized per flow
V15-C	2 WAY - 3/4"	FCU10-C	25.37	10.83	4.71	11.7	10.1	6.309547	CORRECT	VBN2BK3POD	3/4 INCH	NPT	MS7505A2030	FEEDBACK (2 to 10 VDC)	Sized per flow
V16-H	2 WAY - 1/2"	FCU10-H	5.15	9.8	4.26	2.5	2	6.630625	CORRECT	VBN2AF3POD	1/2 INCH	NPT	MS7505A2030	FEEDBACK (2 to 10 VDC)	Sized per flow
V17-C	2 WAY - 3/4"	FCU11-C	25.37	10.83	4.71	11.7	10.1	6.309547	CORRECT	VBN2BK3POD	3/4 INCH	NPT	MS7505A2030	FEEDBACK (2 to 10 VDC)	Sized per flow
V18-H	2 WAY - 1/2"	FCU11-H	5.15	9.8	4.26	2.5	2	6.630625	CORRECT	VBN2AF3POD	1/2 INCH	NPT	MS7505A2030	FEEDBACK (2 to 10 VDC)	Sized per flow
V19-C	2 WAY - 3/4"	FCU12-C	25.37	10.83	4.71	11.7	10.1	6.309547	CORRECT	VBN2BK3POD	3/4 INCH	NPT	MS7505A2030	FEEDBACK (2 to 10 VDC)	Sized per flow
V20H	2 WAY - 1/2"	FCU12-H	5.15	9.8	4.26	2.5	2	6.630625	CORRECT	VBN2AF3POD	1/2 INCH	NPT	MS7505A2030	FEEDBACK (2 to 10 VDC)	Sized per flow
VAV-1	2 WAY - 1/2"	CORR-003A	0.5	0.19	0.08	1.8	1.2	0.173611	CORRECT	V5862A2047	1/2 INCHES	NPT	M6435A3000	NONE	VAV-A
VAV-2	2 WAY - 3/4"	CONTROL "A" 004	1.21	0.1	0.04	6.1	4.9	0.060979	CORRECT	V5862A2070	3/4 INCHES	NPT	M6435A3000	NONE	VAV-C
VAV-3	2 WAY - 3/4"	AUDIO "A"-005	1.21	0.1	0.04	6.1	4.9	0.060979	CORRECT	V5862A2070	3/4 INCHES	NPT	M6435A3000	NONE	VAV-C
VAV-4	2 WAY - 3/4"	CONTROL "B" 007	1.21	0.1	0.04	6.1	4.9	0.060979	CORRECT	V5862A2070	3/4 INCHES	NPT	M6435A3000	NONE	VAV-C
VAV-5	2 WAY - 3/4"	AUDIO "B"-008	1.21	0.1	0.04	6.1	4.9	0.060979	CORRECT	V5862A2070	3/4 INCHES	NPT	M6435A3000	NONE	VAV-C
VAV-6	2 WAY - 3/4"	MENS/WOMENS-012,013	0.69	0.1	0.04	3.5	2.9	0.056611	CORRECT	V5862A2062	3/4 INCHES	NPT	M6435A3000	NONE	VAV-B
VAV-7	2 WAY - 3/4"	EDIT-021	1.21	0.1	0.04	6.1	4.9	0.060979	CORRECT	V5862A2070	3/4 INCHES	NPT	M6435A3000	NONE	VAV-C
VAV-8	2 WAY - 3/4"	EDIT-019	0.69	0.1	0.04	3.5	2.9	0.056611	CORRECT	V5862A2062	3/4 INCHES	NPT	M6435A3000	NONE	VAV-B
VAV-9	2 WAY - 3/4"	EDIT-017	0.69	0.1	0.04	3.5	2.9	0.056611	CORRECT	V5862A2062	3/4 INCHES	NPT	M6435A3000	NONE	VAV-B
VAV-10	2 WAY - 3/4"	GREEN RM-016	0.69	0.1	0.04	3.5	2.9	0.056611	CORRECT	V5862A2062	3/4 INCHES	NPT	M6435A3000	NONE	VAV-B
VAV-11	2 WAY - 3/4"	EDIT-018	0.69	0.1	0.04	3.5	2.9	0.056611	CORRECT	V5862A2062	3/4 INCHES	NPT	M6435A3000	NONE	VAV-B

VAV-12	2 WAY - 3/4"	EDIT-020	1.21	0.1	0.04	6.1	4.9	0.060979	CORRECT	V5862A2070	3/4 INCHES	NPT	M6435A3000	NONE	VAV-C
VAV-13	2 WAY - 3/4"	EAST PANTRY - 037	1.21	0.1	0.04	6.1	4.9	0.060979	CORRECT	V5862A2070	3/4 INCHES	NPT	M6435A3000	NONE	VAV-C
VAV-14	2 WAY - 3/4"	WEST PANTRY - 037	1.21	0.1	0.04	6.1	4.9	0.060979	CORRECT	V5862A2070	3/4 INCHES	NPT	M6435A3000	NONE	VAV-C
VAV-15	2 WAY - 3/4"	GREEN ROOM - 036	0.69	0.1	0.04	3.5	2.9	0.056611	CORRECT	V5862A2062	3/4 INCHES	NPT	M6435A3000	NONE	VAV-B
VAV-16	2 WAY - 3/4"	OFFICE - 035	0.5	0.19	0.08	1.8	1.2	0.173611	CORRECT	V5862A2047	1/2 INCHES	NPT	M6435A3000	NONE	VAV-A
VAV-17	2 WAY - 3/4"	SOUTH CONFERENCE-033	1.21	0.1	0.04	6.1	4.9	0.060979	CORRECT	V5862A2070	3/4 INCHES	NPT	M6435A3000	NONE	VAV-C
VAV-18	2 WAY - 3/4"	NORTH CONFERENCE-033	1.21	0.1	0.04	6.1	4.9	0.060979	CORRECT	V5862A2070	3/4 INCHES	NPT	M6435A3000	NONE	VAV-C
VAV-19	2 WAY - 3/4"	EDIT-031	0.69	0.1	0.04	3.5	2.9	0.056611	CORRECT	V5862A2062	3/4 INCHES	NPT	M6435A3000	NONE	VAV-B
VAV-20	2 WAY - 3/4"	EDIT-032	0.69	0.1	0.04	3.5	2.9	0.056611	CORRECT	V5862A2062	3/4 INCHES	NPT	M6435A3000	NONE	VAV-B
VAV-21	2 WAY - 1/2"	EDIT-022	0.69	0.19	0.08	2.4	1.9	0.131884	CORRECT	V582A2054	1/2 INCHES	NPT	M6435A3000	NONE	VAV-A
VAV-22	2 WAY - 3/4"	OPEN AREA-030	0.69	0.1	0.04	3.5	2.9	0.056611	CORRECT	V5862A2062	3/4 INCHES	NPT	M6435A3000	NONE	VAV-B
VAV-23	2 WAY - 1/2"	OFFICE-029	0.5	0.19	0.08	1.8	1.2	0.173611	CORRECT	V5862A2047	1/2 INCHES	NPT	M6435A3000	NONE	VAV-A
VAV-24	2 WAY - 1/2"	OFFICE-028	0.69	0.1	0.04	3.5	2.9	0.056611	CORRECT	V5862A2062	3/4 INCHES	NPT	M6435A3000	NONE	VAV-B
VAV-25	2 WAY - 3/4"	NORTH MASTER RM -027	0.69	0.1	0.04	3.5	2.9	0.056611	CORRECT	V5862A2062	3/4 INCHES	NPT	M6435A3000	NONE	VAV-B
VAV-26	2 WAY - 3/4"	SOUTH MASTER RM - 027	0.69	0.1	0.04	3.5	2.9	0.056611	CORRECT	V5862A2062	3/4 INCHES	NPT	M6435A3000	NONE	VAV-B
VAV-1	2 WAY - 3/4"	ELEVATOR LOBBY - 105	0.69	0.1	0.04	3.5	2.9	0.056611	CORRECT	V5862A2062	3/4 INCHES	NPT	M6435A3000	NONE	VAV-B
VAV-2	2 WAY - 3/4"	NORTH WAITING RM - 103	1.21	0.1	0.04	6.1	4.9	0.060979	CORRECT	V5862A2070	3/4 INCHES	NPT	M6435A3000	NONE	VAV-C
VAV-3	2 WAY - 3/4"	SOUTH WAITING RM - 103	1.21	0.1	0.04	6.1	4.9	0.060979	CORRECT	V5862A2070	3/4 INCHES	NPT	M6435A3000	NONE	VAV-C
VAV-4	2 WAY - 3/4"	CORR-107	0.5	0.19	0.08	1.8	1.2	0.173611	CORRECT	V5862A2047	1/2 INCHES	NPT	M6435A3000	NONE	VAV-A
VAV-5	2 WAY - 3/4"	EAST CONFERENCE "A" -109	1.21	0.1	0.04	6.1	4.9	0.060979	CORRECT	V5862A2070	3/4 INCHES	NPT	M6435A3000	NONE	VAV-C
VAV-6	2 WAY - 3/4"	WEST CONFERENCE "A" - 109	1.21	0.1	0.04	6.1	4.9	0.060979	CORRECT	V5862A2070	3/4 INCHES	NPT	M6435A3000	NONE	VAV-C
VAV-7	2 WAY - 3/4"	EAST CONFERENCE "B" -110	1.21	0.1	0.04	6.1	4.9	0.060979	CORRECT	V5862A2070	3/4 INCHES	NPT	M6435A3000	NONE	VAV-C

[3]

VALVE	TYPE	UNIT	GPM	HEAD'	PSI"	CALC CV	CV	VALVE PSI"	ERROR CHECK	VALVE #	VALVE SIZE	CONNECTIONS	ACTUATOR #	END SWITCH KIT	NOTES
VAV-8	2 WAY - 1/2"	WEST CONFERENCE "B" - 110	1.21	0.1	0.04	6.1	4.9	0.060979	CORRECT	V5862A2070	3/4 INCHES	NPT	M6435A3000	NONE	VAV-C
VAV-9	2 WAY - 3/4"	CORRIDOR - 114	1.21	0.1	0.04	6.1	4.9	0.060979	CORRECT	V5862A2070	3/4 INCHES	NPT	M6435A3000	NONE	VAV-C
VAV-10	2 WAY - 3/4"	OFFICE - 111	0.69	0.1	0.04	3.5	2.9	0.056611	CORRECT	V5862A2062	3/4 INCHES	NPT	M6435A3000	NONE	VAV-B
VAV-11	2 WAY - 3/4"	EXEC CON RM - 112	1.21	0.1	0.04	6.1	4.9	0.060979	CORRECT	V5862A2070	3/4 INCHES	NPT	M6435A3000	NONE	VAV-C
VAV-12	2 WAY - 1/2"	EXEC OFFICE-113	0.69	0.1	0.04	3.5	2.9	0.056611	CORRECT	V5862A2062	3/4 INCHES	NPT	M6435A3000	NONE	VAV-B
VAV-13	2 WAY - 3/4"	OFFICE-120	0.69	0.1	0.04	3.5	2.9	0.056611	CORRECT	V5862A2062	3/4 INCHES	NPT	M6435A3000	NONE	VAV-B
VAV-14	2 WAY - 1/2"	OFFICE-121	0.69	0.1	0.04	3.5	2.9	0.056611	CORRECT	V5862A2062	3/4 INCHES	NPT	M6435A3000	NONE	VAV-B
VAV-15	2 WAY - 3/4"	LOUNGE - 130	1.21	0.1	0.04	6.1	4.9	0.060979	CORRECT	V5862A2070	3/4 INCHES	NPT	M6435A3000	NONE	VAV-C
VAV-16	2 WAY - 1/2"	PANTRY 129	1.21	0.1	0.04	6.1	4.9	0.060979	CORRECT	V5862A2070	3/4 INCHES	NPT	M6435A3000	NONE	VAV-C
VAV-17	2 WAY - 1/2"	OFFICE - 131	0.69	0.1	0.04	3.5	2.9	0.056611	CORRECT	V5862A2062	3/4 INCHES	NPT	M6435A3000	NONE	VAV-B
VAV-18	2 WAY - 3/4"	OFFICE - 134	0.69	0.1	0.04	3.5	2.9	0.056611	CORRECT	V5862A2062	3/4 INCHES	NPT	M6435A3000	NONE	VAV-B
VAV-19	2 WAY - 1/2"	FILE ROOM - 127	0.69	0.1	0.04	3.5	2.9	0.056611	CORRECT	V5862A2062	3/4 INCHES	NPT	M6435A3000	NONE	VAV-B
VAV-20	2 WAY - 1/2"	RESTROOMS	0.5	0.19	0.08	1.8	1.9	0.069252	CORRECT	V582A2054	1/2 INCHES	NPT	M6435A3000	NONE	VAV-A
VAV-21	2 WAY - 3/4"	OFFICE -125	0.5	0.19	0.08	1.8	1.9	0.069252	CORRECT	V582A2054	1/2 INCHES	NPT	M6435A3000	NONE	VAV-A
VAV-22	2 WAY - 1/2"	ELEVATOR LOBBY	1.21	0.1	0.04	6.1	4.9	0.060979	CORRECT	V5862A2070	3/4 INCHES	NPT	M6435A3000	NONE	VAV-C
VAV-23	2 WAY - 3/4"	OFFICE-140	0.5	0.19	0.08	1.8	1.9	0.069252	CORRECT	V582A2054	1/2 INCHES	NPT	M6435A3000	NONE	VAV-A
VAV-24	2 WAY - 1/2"	OFFICE-139	0.69	0.1	0.04	3.5	2.9	0.056611	CORRECT	V5862A2062	3/4 INCHES	NPT	M6435A3000	NONE	VAV-B
VAV-25	2 WAY - 3/4"	OFFICE - 138	0.69	0.1	0.04	3.5	2.9	0.056611	CORRECT	V5862A2062	3/4 INCHES	NPT	M6435A3000	NONE	VAV-B
VAV-26	2 WAY - 1/2"	OFFICE - 137	0.69	0.1	0.04	3.5	2.9	0.056611	CORRECT	V5862A2062	3/4 INCHES	NPT	M6435A3000	NONE	VAV-B
VAV-27	2 WAY - 1/2"	SOUTH OPEN AREA - 136	1.21	0.1	0.04	6.1	4.9	0.060979	CORRECT	V5862A2070	3/4 INCHES	NPT	M6435A3000	NONE	VAV-C
VAV-28	2 WAY - 1/2"	S CENTRAL OPEN AREA - 136	1.21	0.1	0.04	6.1	4.9	0.060979	CORRECT	V5862A2070	3/4 INCHES	NPT	M6435A3000	NONE	VAV-C

VALVE	TYPE	UNIT	GPM	HEAD'	PSI"	CALC CV	CV	CV	VALVE SIZE	VALVE #	VALVE SIZE	CONNECTIONS	ACTUATOR #	END SWITCH KIT	NOTES
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VAV-29	2 WAY - 3/4"	N CENTRAL OPEN AREA - 136	1.21	0.1	0.04	6.1	4.9	4.9	CORRECT	V5862A2070	3/4 INCHES	NPT	M6435A3000	NONE	VAV-C
VAV-30	2 WAY - 3/4"	NORTH OPEN AREA - 136	0.69	0.1	0.04	3.5	2.9	2.9	CORRECT	V5862A2062	3/4 INCHES	NPT	M6435A3000	NONE	VAV-B
VAV-31	2 WAY - 1/2"	OFFICE - 132	0.5	0.19	0.08	1.8	1.9	0.069252	CORRECT	V582A2054	1/2 INCHES	NPT	M6435A3000	NONE	VAV-A
VAV-32	2 WAY - 3/4"	COPY RM - 141	0.69	0.1	0.04	3.5	2.9	2.9	CORRECT	V5862A2062	3/4 INCHES	NPT	M6435A3000	NONE	VAV-B
UH-1	2 WAY - 3/4"	Unit Heater	8.6	1.49	0.65	10.7	7.4	7.4	CORRECT	VBN2BJ3PRD	3/4 INCH	NPT	MS7505A2030	FEEDBACK (2 to 10 VDC)	
UH-2	2 WAY - 3/4"	Unit Heater	8.6	1.49	0.65	10.7	7.4	7.4	CORRECT	VBN2BJ3PRD	3/4 INCH	NPT	MS7505A2030	FEEDBACK (2 to 10 VDC)	
CU-1	2 WAY - 1/2"	Convactor Unit	0.17	0.044	0.02	1.2	1.9	1.9	CORRECT	V582A2054	1/2 INCHES	NPT	M6435A3000	NONE	
CU-2	2 WAY - 1/2"	Convactor Unit	0.17	0.044	0.02	1.2	1.9	1.9	CORRECT	V582A2054	1/2 INCHES	NPT	M6435A3000	NONE	
CRAC -1		Computer room AC 1								Factory Installed					
CRAC -2		Computer room AC 2								Factory Installed					
CRAC -3		Computer room AC 3								Factory Installed					

[5]

VALVE	TYPE	UNIT	GPM	HEAD	PSI"	CALC CV	CV	CV	VALVE #
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