

Damper Schedule

Tag				Damper Information													Actuator Information					Coupld. Detail	Comments		
Item	System	Service	Ref. Dwg.	Qty.	Code No.	Fail Pos.	Dmpr. Type	Dmpr. Oper.	Blade Type	Bear. Type	Seals	Duct Size		Damper Size			Mtg.	Qty.	Code No.	Pilot	Type			Control Signal	Mtg.
												W (in.)	H (in.)	W (in.)	H (in.)	Area (ft ²)									
D-9-3	AHU-9	Relief Air	M.3-13	1	COPAS-380X180		Control	Opposed	Double	Acetal	Standard	38"	18"	38"	18"	4.8		1	D-3153-2	n/a	Pneu	8-13#			
D-9-4	AHU-9	Bypass Air	M.3-13	1	COPAS-300X160		Control	Opposed	Double	Acetal	Standard	30"	16"	30"	16"	3.3		1	D-3153-1	D-9502	Pneu	8-13#			
	"A" Press MER	VF-25 Intake	M.3-09	1	COPAS-320X320		Control	Opposed	Double	Acetal	Standard	32"	32"	32"	32"	7.1		1	D-4073-2	n/a	Pneu	8-13#			
	"B" Press MER	VF-25 Intake	M.3-10	1	COPAS-320X320		Control	Opposed	Double	Acetal	Standard	32"	32"	32"	32"	7.1		1	D-4073-2	n/a	Pneu	8-13#			
	"C" Press MER	VF-25 Intake	M.3-11	1	COPAS-320X320		Control	Opposed	Double	Acetal	Standard	32"	32"	32"	32"	7.1		1	D-4073-2	n/a	Pneu	8-13#			
	"D" Press MER	VF-25 Intake	M.3-12	1	COPAS-240X240		Control	Opposed	Double	Acetal	Standard	24"	24"	24"	24"	4.0		1	D-4073-2	n/a	Pneu	8-13#			
	"B" Plant MER	VF-24 Intake	M.3-17	2	COPAS-360X360		Control	Opposed	Double	Acetal	Standard	36"	36"	36"	36"	9.0		1	D-4073-2	n/a	Pneu	8-13#			
	"B" Plant MER	VF-11,12,13	M.3-17	1	COPAS-960X360		Control	Opposed	Double	Acetal	Standard	96"	36"	96"	36"	24.0		1	D-3153-2	n/a	Pneu	8-13#			
	"B" Plant MER	VF-11 Exh	M.3-17	1	COPAS-720X720		Control	Opposed	Double	Acetal	Standard	72"	72"	72"	72"	36.0		2	D-3153-1	D-9502	Pneu	8-13#			
	"B" Plant MER	VF-12 Exh	M.3-17	1	COPAS-720X720		Control	Opposed	Double	Acetal	Standard	72"	72"	72"	72"	36.0		2	D-3153-1	D-9502	Pneu	8-13#			
	"B" Plant MER	VF-13 Exh	M.3-17	1	COPAS-720X720		Control	Opposed	Double	Acetal	Standard	72"	72"	72"	72"	36.0		2	D-3153-1	D-9502	Pneu	8-13#			
	Elev Core MER	Out Intake	M.3-26	4	COPAS-360X360		Control	Opposed	Double	Acetal	Standard	36"	36"	36"	36"	9.0		1	D-4073-2	n/a	Pneu	8-13#			
	Elev Core MER	VF-30 Exh	M.3-26	4	COPAS-300X300		Control	Opposed	Double	Acetal	Standard	30"	30"	30"	30"	6.3		1	D-4073-2	n/a	Pneu	8-13#			
D-24-1	AHU-24	Outside Air	M.2-02C	1	COPAS-160X140		Control	Opposed	Double	Acetal	Standard	16"	14"	16"	14"	1.6		1	D-4073-2	n/a	Pneu	8-13#			
D-25-1	AHU-25	Outside Air	M.2-02D	1	COPAS-160X140		Control	Opposed	Double	Acetal	Standard	16"	14"	16"	14"	1.6		1	D-4073-2	n/a	Pneu	8-13#			
D-26-1	AHU-26	Outside Air	M.3-10	1	COPAS-160X140		Control	Opposed	Double	Acetal	Standard	16"	14"	16"	14"	1.6		1	D-4073-2	n/a	Pneu	8-13#			
D-5-1	"A" Smoke Intake	Outside Air	M.2-04A	-	(Coupled Damper)		Control	Opposed	Double	Acetal	Standard	192"	64"	192"	64"	85.3		1	D-3153-1	D-9502	Pneu	8-13#			
			M.4-03	1	COPAS-480X640									48"	64"	21.3		3	D-3153-2	n/a	Pneu	8-13#			
				1	COPAS-480X640									48"	64"	21.3									
				1	COPAS-480X640									48"	64"	21.3									
				1	COPAS-480X640									48"	64"	21.3									
D-7-1	"B" Smoke Intake	Outside Air	M.2-04B	-	(Coupled Damper)		Control	Opposed	Double	Acetal	Standard	192"	108"	192"	108"	144.0		2	D-3153-1	D-9502	Pneu	8-13#			
			M.4-03	1	COPAS-480X540									48"	54"	18.0		5	D-3153-2	n/a	Pneu	8-13#			
				1	COPAS-480X540									48"	54"	18.0									
				1	COPAS-480X540									48"	54"	18.0									
				1	COPAS-480X540									48"	54"	18.0									
				1	COPAS-480X540									48"	54"	18.0									
				1	COPAS-480X540									48"	54"	18.0									
				1	COPAS-480X540									48"	54"	18.0									
				1	COPAS-480X540									48"	54"	18.0									
D-10-1	"C" Smoke Intake	Outside Air	M.2-04C	-	(Coupled Damper)		Control	Opposed	Double	Acetal	Standard	192"	108"	192"	108"	144.0		6	D-3153-1	D-9502	Pneu	8-13#			
			M.4-03	1	COPAS-480X540									48"	54"	18.0		5	D-3153-2	n/a	Pneu	8-13#			
				1	COPAS-480X540									48"	54"	18.0									
				1	COPAS-480X540									48"	54"	18.0									
				1	COPAS-480X540									48"	54"	18.0									
				1	COPAS-480X540									48"	54"	18.0									
				1	COPAS-480X540									48"	54"	18.0									
				1	COPAS-480X540									48"	54"	18.0									
D-11-1	"D" Smoke Intake	Outside Air	M.2-04D	-	(Coupled Damper)		Control	Opposed	Double	Acetal	Standard	192"	64"	192"	64"	85.3		1	D-3153-1	D-9502	Pneu	8-13#			
			M.4-03	1	COPAS-480X640									48"	64"	21.3		3	D-3153-2	n/a	Pneu	8-13#			
				1	COPAS-480X640									48"	64"	21.3									
				1	COPAS-480X640									48"	64"	21.3									
				1	COPAS-480X640									48"	64"	21.3									
D-2A-1	MAU-2A	Outside Air		1	COPAS-840X600		Control	Opposed	Single	Acetal	Standard	84"	60"	84"	60"	35.0		2	D-3153-2		Pneu	8-13#			
D-2B-1	MAU-2B	Outside Air		1	COPAS-360X360		Control	Opposed	Double	Acetal	Standard	36"	36"	36"	36"	9.0		1	D-4073-2		Pneu	8-13#			
D-2C-1	MAU-2C	Outside Air		1	COPAS-360X360		Control	Opposed	Double	Acetal	Standard	36"	36"	36"	36"	9.0		1	D-4073-2		Pneu	8-13#			
D-2D-1	MAU-2D	Outside Air		1	COPAS-360X360		Control	Opposed	Double	Acetal	Standard	36"	36"	36"	36"	9.0		1	D-4073-2		Pneu	8-13#			
	KEF-7D	Exhaust Air		1	COPAS-360X240		Control	Opposed	Double	Acetal	Standard	36"	24"	36"	24"	6.0		1	D-4073-2		Pneu	8-13#			
D-27-1	AHU-27	Outside Air		1	COPAS-360X720		Control	Opposed	Double	Acetal	Standard	36"	72"	36"	72"	18.0		1	D-3153-2	n/a	Pneu	8-13#			
D-27-2	AHU-27	Return Air		1	COPAS-400X300		Control	Opposed	Double	Acetal	Standard	40"	30"	40"	30"	8.3		1	D-3153-2	n/a	Pneu	8-13#			
D-27-3	GEF-9A	Exhaust Air		1	COPAS-240X240		Control	Opposed	Double	Acetal	Standard	24"	24"	24"	24"	4.0		1	D-4073-2	n/a	Pneu	8-13#			

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Item	System	Service	Ref. Dwg.	Qty.	Code No.	Fail Pos.	Dmpr. Type	Dmpr. Oper.	Blade Type	Bear. Type	Seals	Duct Size		Damper Size			Mtg.	Qty.	Code No.	Pilot			Type
												W (in.)	H (in.)	W (in.)	H (in.)	Area (ft ²)							
D-1-1A	AHU-1	Min Out Air	M.3-09	-	(Coupled Damper)		Control	Opposed	Double	Acetal	Standard	148"	17"	148"	17"	17.5		1	D-3153-2	n/a	Pneu	8-13#	
				1	COPAS-370X170									37"	17"	4.4							
				1	COPAS-370X170									37"	17"	4.4							
				1	COPAS-370X170									37"	17"	4.4							
				1	COPAS-370X170									37"	17"	4.4							
D-1-1B	AHU-1	Max Out Air	M.3-09	-	(Coupled Damper)		Control	Opposed	Double	Acetal	Standard	148"	28"	148"	28"	28.8		1	D-3153-1	D-9502	Pneu	8-13#	
				1	COPAS-370X280									37"	28"	7.2		1	D-3153-2	n/a	Pneu	8-13#	
				1	COPAS-370X280									37"	28"	7.2							
				1	COPAS-370X280									37"	28"	7.2							
				1	COPAS-370X280									37"	28"	7.2							
D-1-2	AHU-1	Return Air	M.3-09	1	COPAS-600X320		Control	Opposed	Double	Acetal	Standard	60"	32"	60"	32"	13.3		1	D-3153-1	D-9502	Pneu	8-13#	
D-1-3	AHU-1	Relief Air	M.3-09	1	COPAS-360X300		Control	Opposed	Double	Acetal	Standard	36"	30"	36"	30"	7.5		1	D-3153-1	D-9502	Pneu	8-13#	
D-2-1A	AHU-2	Min Out Air	M.3-10	-	(Coupled Damper)		Control	Opposed	Double	Acetal	Standard	148"	30"	148"	30"	30.8		1	D-3153-1	D-9502	Pneu	8-13#	
				1	COPAS-370X300									37"	30"	7.7		1	D-3153-2	n/a	Pneu	8-13#	
				1	COPAS-370X300									37"	30"	7.7							
				1	COPAS-370X300									37"	30"	7.7							
				1	COPAS-370X300									37"	30"	7.7							
D-2-1B	AHU-2	Max Out Air	M.3-10	-	(Coupled Damper)		Control	Opposed	Double	Acetal	Standard	148"	42"	148"	42"	43.2		1	D-3153-1	D-9502	Pneu	8-13#	
				1	COPAS-370X420									37"	42"	10.8		1	D-3153-2	n/a	Pneu	8-13#	
				1	COPAS-370X420									37"	42"	10.8							
				1	COPAS-370X420									37"	42"	10.8							
				1	COPAS-370X420									37"	42"	10.8							
D-2-2	AHU-2	Return Air	M.3-10	1	COPAS-740X300		Control	Opposed	Double	Acetal	Standard	74"	30"	74"	30"	15.4		1	D-3153-1	D-9502	Pneu	8-13#	
D-2-3	AHU-2	Relief Air	M.3-10	1	COPAS-600X360		Control	Opposed	Double	Acetal	Standard	60"	36"	60"	36"	15.0		1	D-3153-1	D-9502	Pneu	8-13#	
D-3-1A	AHU-3	Min Out Air	M.3-11	-	(Coupled Damper)		Control	Opposed	Double	Acetal	Standard	148"	27"	148"	27"	27.8		1	D-3153-2	D-9502	n/a	8-13#	
				1	COPAS-370X270									37"	27"	6.9							
				1	COPAS-370X270									37"	27"	6.9							
				1	COPAS-370X270									37"	27"	6.9							
				1	COPAS-370X270									37"	27"	6.9							
D-3-1B	AHU-3	Max Out Air	M.3-11	-	(Coupled Damper)		Control	Opposed	Double	Acetal	Standard	148"	45"	148"	45"	46.3		1	D-3153-1	D-9502	Pneu	8-13#	
				1	COPAS-370X450									37"	45"	11.6		1	D-3153-2	n/a	Pneu	8-13#	
				1	COPAS-370X450									37"	45"	11.6							
				1	COPAS-370X450									37"	45"	11.6							
				1	COPAS-370X450									37"	45"	11.6							
D-3-2	AHU-3	Return Air	M.3-11	1	COPAS-800X300		Control	Opposed	Double	Acetal	Standard	80"	30"	80"	30"	16.7		1	D-3153-1	D-9502	Pneu	8-13#	
D-3-3	AHU-3	Relief Air	M.3-11	1	COPAS-540X420		Control	Opposed	Double	Acetal	Standard	54"	42"	54"	42"	15.8		1	D-3153-1	D-9502	Pneu	8-13#	
D-4-1A	AHU-4	Min Out Air	M.3-12	-	(Coupled Damper)		Control	Opposed	Double	Acetal	Standard	148"	17"	148"	17"	17.5		1	D-3153-2	n/a	Pneu	8-13#	
				1	COPAS-370X170									37"	17"	4.4							
				1	COPAS-370X170									37"	17"	4.4							
				1	COPAS-370X170									37"	17"	4.4							
				1	COPAS-370X170									37"	17"	4.4							
D-4-1B	AHU-4	Max Out Air	M.3-12	-	(Coupled Damper)		Control	Opposed	Double	Acetal	Standard	148"	28"	148"	28"	28.8		1	D-3153-1	D-9502	Pneu	8-13#	
				1	COPAS-370X280									37"	28"	7.2		1	D-3153-2	n/a	Pneu	8-13#	
				1	COPAS-370X280									37"	28"	7.2							
				1	COPAS-370X280									37"	28"	7.2							
				1	COPAS-370X280									37"	28"	7.2							
D-4-2	AHU-4	Return Air	M.3-12	1	COPAS-600X280		Control	Opposed	Double	Acetal	Standard	60"	28"	60"	28"	11.7		1	D-3153-1	D-9502	Pneu	8-13#	
D-4-3	AHU-4	Relief Air	M.3-12	1	COPAS-600X280		Control	Opposed	Double	Acetal	Standard	60"	28"	60"	28"	11.7		1	D-3153-1	D-9502	Pneu	8-13#	