galvanized steel (by Nallor). Ship loose.       Includes dual heat sensors (165°F and 250°F or 350°F) and position indicator switch pack.         Linkage:       1/2" (13) dia. self-lubricating oilite bronze.       Matter 1/2" (13) dia. plated steel double bolted to blades.         Jamb Seals:       Cambered stainless steel.       UFM Factory mounted upper retaining angles.         Heat Responsive Device (Controlled Closure):       Specify overall ceiling thickness: inches (mm).         ERL (Electric Resettable Link) is std. on dampers with electric actuators: 250°F (121°C) standard. 165°F (74°C), 212°F (100°C) and 350°F (176°C) available.       SRT Square-to-Round Transition Collar.         PRL (Pneumatic Replaceable Link) is standard on dampers with pneumatic actuators: 212°F (100°C) standard. 165°F (74°C) and 280°F (138°C) available.       Compatible Steel Supply or Return Air Grille/Diffuser (various models available).         Schedule Type:       For installation instructions, see IOM-TCOWFSDINST Dimensions are in inches (mm).         PROJECT:       Date       B SERIES       SUPERSEDES									
UDALLFICATIONS:         • UL 555 CLASSIFIED CORRIDOR DAMPER, 1 hr. Fire Resistance Rating (File # R9492).         • UL 555 CLASSIFIED SMOKE DAMPER, Class I at 250°F or 350°F elevated temperature (File # R9492).         • California State Fire Marshal Listing No. 3225-0935;106.         • Meets the requirements of NFPA 90A, NFPA 92A for Fire/Smoke Dampers         • Meets the requirements of City of Los Angeles, Uniform.         • Maximum velocity: 2000 fpm @ 4" w.g.         STANDARD SPECIFICATION:         Frame:       5" x 7/8" x 16 ga. (127 x 22 x 1.6) galvanized steel formed airfoil on 51/2" (140) enters. Oppoed action.         Sleeve:       Damper ver 16" (406) tall and under: 20" x 20 ga. (506 x 1.0) galvanized steel.         Damper over 16" (406) tall information on four sides.         Upper Retaining Angles:       11/2" x 11 9/2" x 16 ga. (38 x 38 x 1.6) galvanized steel (by Nailor). Ship loose.         Linkage:       Concealed in frame.         Bearings:       1/2" (13) dia. plated steel double bolte to blades.         Jamb Seals:       Campatible Steel Supply or Return Air Grille/Diffuser (various models savaliable).         Compatible Steel Supply or Return Air Grille/Diffuser (various models savaliable).       StorF i installation instructions, see IOM-TCOWFSDINST Dimensions are in inches (mm).         Biades:       1/2" (12) "C) standard 1.65°F (74°C) and 250°F (121°C) available.       For installation instructions, see IOM-TCOWFSDINST Dimensions are in inches (mm).	SLE UPI RETA ANU VARIES DEPEND CEILING THICK	ATION	(406) 9 1/2" 20" (241) (508) OR STD. 13 1/2" UTING BS *STAND/ GRILLE C	CLEARANCE IS					
• UL 555       CLASSIFIED CORRIDOR DAMPER, 1 hr. Fire Resistance Rating (File # R9492).         • UL 555       CLASSIFIED SMOKE DAMPER, Class 1 at 250°F or 350°F elevated temperature (File # R9492).         • California State Fire Marshal Listing No. 3225-0935:106.       BASE MODEL SELECTION:         • Machinum velocity: 2000 fpm @ 4" w.g.       BASE MODEL SELECTION:         • Machinum velocity: 2000 fpm @ 4" w.g.       I 221C-4       Standard factory sleeve (caulked to UL req.).         • Machinum velocity: 2000 fpm @ 4" w.g.       I 221C-4       Standard factory sleeve (caulked to UL req.).         • Machinum velocity: 2000 fpm @ 4" w.g.       I 221C-4       Standard factory sleeve (caulked to UL req.).         • Machinum velocity: 2000 fpm @ 4" w.g.       I @ 350°F (Optional)         STANDARD SPECIFICATION:       EACHATOR       LEAKAGE CLASS / ELEVATED TEMPERATURE:         • Machinum velocity: 2000 fpm @ 4" w.g.       I @ 350°F (Optional)         Blades:       1 4 ga. (2.0) equivalent galvanized steel formed aridio in 5 1/2" (140) centers. Opposed action.       Actuators mounted for Fail Closed (Normally Closed) operation in accordance with code requirements.         • Jawanized steel.       Damper over 16" (406) tall and under: 20" x 20 ga. (566 x 1.0) galvanized steel (by Nailor). Ship loce.       BS         • Juper Retaining Angles:       1 1/2" x 1 1 ga. (38 x 38 x 1.6) galvanized steel (by Nailor). Ship loce.       BS       Stainless stele bearings.         <		ct W x H):							
Resistance Rating (File # R9492). <ul> <li>UL 5555 CLASSIFIED SMOKE DAMPER, Class I at 250°F or 350°F elevated temperature (File # R9492).</li> <li>California State Fire Marshal Listing No. 3225-0935:106.</li> <li>Meets the requirements of NPA 90A, NFPA 92A for Fire/Smoke Dampers</li> <li>Meets the requirements of NPA 90A, NFPA 92A for Fire/Smoke Dampers</li> <li>Meets the requirements of City of Los Angeles, Uniform.</li> <li>Maximu velocity: 2000 fpm @ 4" w.g.</li> </ul> <li>STANDARD SPECIFICATION:         <ul> <li>Frame: 5' x 7/8''x 16 ga. (127 x 22 x 1.6) galvanized steel formed airfol on 51/2' (140) centers. Opposed action.</li> <li>Sleev: Damper 16'' (406) tall: 16'' x 20 ga. (406 x 1.0) galvanized steel.</li> <li>Damper over 16'' (406) tall: 16'' x 20 ga. (406 x 1.0) galvanized steel.</li> <li>Insulation: intumescent thermal insulation on four sides.</li> <li>Upper Retaining Angles: 11/2'' x 11 ga. (38 x 38 x 1.6) galvanized steel.</li> <li>MLS-300 Position indicator switch pack.</li> <li>DTO Electric Resentable Link js stend.</li> <li>Met Responsive Device (Controlled Closure):</li> <li>ENL (Electric Resentable Link js stend.</li> <li>Met Responsive Device (Controlled Closure):</li> <li>FML (Pneumatic Replaceable Link) is stend.</li> <li>Starles Steel Electric Resentable Link js standard on dampers with pertic Resen</li></ul></li>	Minin				um	Maximum			
350°F elevated temperature (File # R9492).       California State Fire Marshal Listing No. 3225-0935:106.       Image: Collign and the constant of the comparison				8" x 8" (20	03 x 203) 24"	x 24" (610 x 61	0		
Building Code.       • Maximum velocity: 2000 fpm @ 4" w.g.       □ I @ 250°F (Standard)         STANDARD SPECIFICATION:       □ I @ 350°F (Coptional)         Frame:       5" x 7/8" x 16 ga. (127 x 22 x 1.6) galvanized steel formed airoil on 5 12° (140) centers. Opposed action.         Blades:       1 4 ga. (2.0) equivalent galvanized steel formed airoil on 5 12° (140) centers. Opposed action.         Steeve:       Damper over 16" (406) tall: 16" x 20 ga. (406 x 1.0) galvanized steel.         Damper over 16" (406) tall: 16" x 20 ga. (406 x 1.0) galvanized steel.       □ the airstream         Options:       □ BS         Stainless steel bearings:       □ X2" (13) dia. self-lubricating ollite bronze.         Akse:       1/2" (13) dia. self-lubricating ollite bronze.         Akse:       Concealed in frame.         Bearings:       1/2" (13) dia. self-lubricating ollite bronze.         Akse:       Controlled Closure):         ERL (Electric Resettable Link) is standard nd ampers with preumatic actuators: 250°F (121°C) standard. 165°F (74°C) and 350°F (74°C) and 350°F (176°C) available.         Compatible Steel Supply or Return Air Grille/Di	350°F elevated temperature (File # R9492).       BASE M         • California State Fire Marshal Listing No. 3225-0935:106.       Image: 122         • Meets the requirements of NFPA 90A, NFPA 92A for       Image: 122			1221	<ul><li>1C-4 Standard factory sleeve (caulked to UL req.).</li><li>1C-4 Non-standard sleeve. Specify length</li></ul>				
• Maximum velocity: 2000 fpm @ 4" w.g.             • Maximum velocity: 2000 fpm @ 4" w.g.             • STANDARD SPECIFICATION:          Frame:       5" x 7/8" x 16 ga. (127 x 22 x 1.6) galvanized steel hat channel.          Blades:       14 ga. (2.0) equivalent galvanized steel formed airfoil on 5 1/2" (140) centers. Opposed action.          Steeve:       Damper 16" (406) tall: 16" x 20 ga. (506 x 1.0) galvanized steel.          Damper over 16" (406) tall: 16" x 20 ga. (406 x 1.0) galvanized steel (by Nailor). Ship loose.        ACTUATOR SELECTION:          Insulation:       Inturescent thermal insulation on four sides.        Damper over 16" (406) tall: 16" x 20 ga. (406 x 1.0) galvanized steel (by Nailor). Ship loose.        MLS-300          Linkage:       Concealed in frame.        BS        Stainless steel bearings.          Heat Responsive Device (Controlled Closure):        Charles tensors (165"F and 250"F or 350"F (131"G) and and pres with electric actuators: 250"F (121"C) standard. 165"F (74"C), 212"F (100"C) and 350"F (176"C) available.        SHT Square-to-Round Transition Collar.          PRL (Pneumatic Replaceable Link) is standard on dampers with preumatic actuators: 212"F (100"C) standard. 165"F (74"C) and 280"F (138"C) available.        SHT Square-to-Round Transition Collar.          Compatible Steel Supply or Return Air Grille/Diffuser (Ya"C) available.        GRILLE/DIFFUSER SELECTION:			ngeles, Uniform	LEAKAGE					
STANDARD SPECIFICATION:         Frame:       5" x 7/8" x 16 ga. (127 x 22 x 1.6) galvanized steel hat channel.         Blades:       14 ga. (2.0) equivalent galvanized steel formed airfoil on 5 1/2" (140) centers. Opposed action.         Sieeve:       Damper 16" (406) tall and under: 20" x 20 ga. (506 x 1.0) galvanized steel.         Damper over 16" (406) tall: 16" x 20 ga. (406 x 1.0) galvanized steel.       ACTUATOR ELECTION:         Insulation:       Intumescent thermal insulation on four sides.       Dupper Retaining Angles:       1 1/2" x 1 1/2" x 16 ga. (38 x 38 x 1.6) galvanized steel (by Nailor). Ship loose.       BS       Stainless steel bearings.         Linkage:       Concealed in frame.       BS       Stainless steel bearings.       DTO 00 Electric Fire Sensor (Re-openable control system). Includes dual heat sensors (165°F and 250°F or 350°F) and position indicator switch pack.         Jamb Seals:       Cambered stainless steel.       UFM Factory mounted upper retaining angles.         Jamb Seals:       Cambered stainless steel.       UFM Factory mounted upper retaining angles.         Jamb Seals:       Cambered stainless steel.       GRILLE/DIFFUSER SELECTION:         Rearings:       1/2" (13) dia. plated steel double bolted to blades.         Jamb Seals:       Cambered stainless steel.       Grid Gamper ) Dia. =									
Frame:       5" x 7/8" x 16 ga. (127 x 22 x 1.6) galvanized steel hat channel.         Blades:       14 ga. (2.0) equivalent galvanized steel formed airfoil on 5 12" (140) centers. Opposed action.         Sleeve:       Damper 16" (406) tall and under: 20" x 20 ga. (506 x 1.0) galvanized steel.         Damper over 16" (406) tall: 16" x 20 ga. (406 x 1.0) galvanized steel.       In the airstream         Damper over 16" (406) tall: 16" x 20 ga. (406 x 1.0) galvanized steel.       MLS-300 Position indicator switch pack.         Upper Retaining Angles:       1 1/2" x 1 1/2" x 16 ga. (38 x 38 x 1.6) galvanized steel (by Nailor). Ship loose.       MLS-300 Position indicator switch pack.         Linkage:       Concealed in frame.       Bs Stainless steel bearings.         Bearings:       1/2" (13) dia. plated steel double bolted to blades.         Jamb Seals:       Camber of Star (74°C), 212°F (100°C) and 350°F (12°C) standard. 165°F (74°C), 212°F (100°C) and 350°F (12°C) available.       UFM Factory mounted upper retaining angles.         Specify overall celling thickness:									
hat channel.       Link channel.         Blades:       14 ga. (2.0) equivalent galvanized steel formed airfoil on 5 1/2" (140) centers. Opposed action.       Actuators are mounted for Fail Closed (Normally Closed) operation in accordance with code requirements.         Sleeve:       Damper 16" (406) tall: 16" x 20 ga. (506 x 1.0) galvanized steel.       ACTUATOR LOCATION:         Damper over 16" (406) tall: 16" x 20 ga. (406 x 1.0) galvanized steel.       In the airstream         Damper over 16" (406) tall: 16" x 20 ga. (406 x 1.0) galvanized steel.       BS         Upper Retaining Angles:       1 1/2" x 1 1/2" x 1 6 ga. (38 x 38 x 1.6) galvanized steel (by Nailor). Ship loose.         Linkage:       Concealed in frame.         Bearings:       1/2" (13) dia. self-lubricating oilite bronze.         Axles:       1/2" (13) dia. self-lubricating oilite bronze.         Axles:       1/2" (13) dia. plated steel double bolted to blades.         Jamb Seals: Cambered stainless steel.       UFM Factory mounted upper retaining angles.         Heat Responsive Device (Controlled Closure):       SRT Square-to-Round Transition Collar.         FRL (Electric Resettable Link) is standard on dampers with pneumatic actuators: 212"F (100°C) standard. 165"F (74°C), 212"F (100°C) and 280"F (176"C) available.       ScheiDule TyPE:         PRU (Pneumatic Replaceable Link) is standard on dampers with pneumatic actuators: 212"F (100°C) standard. 165"F (74°C) and 280"F (176"C) available.       Grille/Diffuser by others.		STANDARD SPECIFICATION:			ACTUATOR SELECTION:				
Databoli       infoil on 5 1/2° (140) centers. Opposed action.         Sleeve:       Damper 16" (406) tall and under: 20° x 20 ga. (506 x 1.0) galvanized steel.       OPTIONS:         Damper over 16" (406) tall: 16" x 20 ga. (406 x 1.0) galvanized steel.       In the airstream         Damper over 16" (406) tall: 16" x 20 ga. (406 x 1.0) galvanized steel.       In the airstream         Upper Retaining Angles:       1 /2" x 1 1/2" x 16 ga. (38 x 38 x 1.6) galvanized steel (by Nailor). Ship loose.       MLS-300         Linkage:       Concealed in frame.       BS       Stainless steel bearings.         Bearings:       1/2" (13) dia. plated steel double bolted to blades.       Jamb Seals: Cambered stainless steel.         Heat Responsive Device (Controlled Closure):       ERL (Electric Resettable Link) is standard. 165° F (74°C), 212° F (100°C) and 350° F (176°C) available.       SRT Square-to-Round Transition Collar. (top of damper ) Dia. =	Flaine.								
galvanized steel.       In the airstream         Damper over 16" (406) tall: 16" x 20 ga. (406 x 1.0) galvanized steel.       In the airstream         Damper over 16" (406) tall: 16" x 20 ga. (406 x 1.0) galvanized steel.       In the airstream         Upper Retaining Angles: 1 1/2" x 11 /2" x 16 ga. (38 x 38 x 1.6) galvanized steel (by Nailor). Ship loose.       BS       Stainless steel bearings.         Linkage: Concealed in frame.       Bearings: 1/2" (13) dia. self-lubricating oilite bronze.       MLS-300       Position indicator switch pack.         Jamb Seals: Cambered stainless steel.       UFM Factory mounted upper retaining angles.       Specify overall ceiling thickness: inches (mm).         Jamb Seals: Cambered stainless steel.       UFM Factory mounted upper retaining angles.         Jamb Seals: Cambered stainless steel.       Specify overall ceiling thickness: inches (mm).         BRL (Ploutentic Replaceable Link) is standard on dampers with pneumatic actuators: 212°F (100°C) standard. 165°F (74°C), 212°F (100°C) and 350°F (138°C) available.       SGHEDULE TYPE:         Compatible Steel Supply or Return Air Grille/Diffuser (various models available).       For installation instructions, see IOM-TCOWFSDINST Dimensions are in inches (mm).         SCHEDULE TYPE:       For installation instructions, see IOM-TCOWFSDINST Dimensions are in inches (mm).         PROJECT:       DATE       B SERIES       SUPERSEDS       DRAWING M	Blades:								
galvanized steel.       Insulation: Intumescent thermal insulation on four sides.         Upper Retaining Angles: 1 1/2" x 1 1/2" x 1 6 ga. (38 x 38 x 1.6) galvanized steel (by Nailor). Ship loose.       BS       Stainless steel bearings.         Linkage:       Concealed in frame.       BS       Stainless steel bearings.         Bearings:       1/2" (13) dia. self-lubricating oilite bronze.       Electric Fire Sensor (Re-openable control system). Includes dual heat sensors (165°F and 250°F or 350°F) and position indicator switch pack.         Jamb Seals:       Cambred stainless steel.       UFM Factory mounted upper retaining angles. Specify overall ceiling thickness:	Sleeve:								
Insulation: Intumescent thermal insulation on four sides.         Upper Retaining Angles: 1 1/2" x 1 1/2" x 16 ga. (38 x 38 x 1.6) galvanized steel (by Nailor). Ship loose.         Linkage: Concealed in frame.         Bearings: 1/2" (13) dia. self-lubricating oilite bronze.         Axles: 1/2" (13) dia. plated steel double bolted to blades.         Jamb Seals: Cambered stainless steel.         Heat Responsive Device (Controlled Closure):         ERL (Electric Resettable Link) is std. on dampers with electric actuators: 250°F (121°C) standard. 165°F (74°C), 212°F (100°C) and 350°F (176°C) available.         PRL (Pneumatic Replaceable Link) is standard on dampers with pneumatic actuators: 212°F (100°C) standard. 165°F (74°C) and 280°F (138°C) available.         Compatible Steel Supply or Return Air Grille/Diffuser (various models available).         SCHEDULE TYPE:         PROJECT:         PROJECT:         DROJECT:         DROJECT:         DROJECT:			0 ga. (406 x 1.0)	OPTIONS	:				
Upper Retaining Angles: 1 1/2" x 1 1/2" x 1 6 ga. (38 x 38 x 1.6) galvanized steel (by Nailor). Ship loose.       DTO       Electric Fire Sensor (Re-openable control system). Includes dual heat sensors (165°F and 250°F or 350°F) and position indicator switch pack.         Linkage:       1/2" (13) dia. self-lubricating oilite bronze.       Marker 1/2" (13) dia. self-lubricating oilite bronze.         Axles:       1/2" (13) dia. self-lubricating oilite bronze.       UFM Factory mounted upper retaining angles. Specify overall ceiling thickness: inches (mm).         Jamb Seals:       Cambered stainless steel.       UFM Factory mounted upper retaining angles. Specify overall ceiling thickness: inches (mm).         Heat Responsive Device (Controlled Closure):       ERL (Electric Resettable Link) is std. on dampers with electric actuators: 250°F (121°C) standard. 165°F (74°C), 212°F (100°C) and 350°F (176°C) available.       SRT Square-to-Round Transition Collar. (top of damper ) Dia. =         PRL (Pneumatic Replaceable Link) is standard on dampers with pneumatic actuators: 212°F (100°C) standard. 165°F (74°C) and 280°F (138°C) available.       Compatible Steel Supply or Return Air Grille/Diffuser (various models available).         SCHEDULE TYPE:       For installation instructions, see IOM-TCOWFSDINST Dimensions are in inches (mm).         PROJECT:       DATE       B SERIES       SUPERSEDES       DRAWING N	-								
Bearings: 1/2" (13) dia. self-lubricating oilite bronze.         Axles: 1/2" (13) dia. plated steel double bolted to blades.         Jamb Seals: Cambered stainless steel.         Heat Responsive Device (Controlled Closure):         ERL (Electric Resettable Link) is st. on dampers with electric actuators: 250°F (121°C) standard. 165°F (74°C), 212°F (100°C) and 350°F (176°C) available.         PRL (Pneumatic Replaceable Link) is standard on dampers with pneumatic actuators: 212°F (100°C) standard. 165°F (74°C) and 280°F (138°C) available.         Compatible Steel Supply or Return Air Grille/Diffuser (various models available).         SCHEDULE TYPE:         PROJECT:         ENGINEER:	galvanized steel (by Nailor). Ship loose.				Electric Fire Sensor (Re-openable control system). Includes dual heat sensors (165°F and 250°F or				
Axles:       1/2" (13) dia. plated steel double bolted to blades.         Jamb Seals: Cambered stainless steel.       Specify overall ceiling thickness:       inches (mm).         Heat Responsive Device (Controlled Closure):       SRT Square-to-Round Transition Collar.         Compatible Steel Supply of Return Air Grille/Diffuser       (top of damper ) Dia. =          GRILLE/DIFFUSER SELECTION:       Compatible Steel Supply or Return Grille/Diffuser by Nailor.       Grille/Diffuser by others.         SCHEDULE TYPE:       For installation instructions, see IOM-TCOWFSDINST         PROJECT:       Date       B SERIES         DATE       B SERIES       SUPERSEDES	-	Bearings: 1/2" (13) dia. self-lubricating oilite bronze.							
Heat Responsive Device (Controlled Closure):       ERL (Electric Resettable Link) is std. on dampers with electric actuators: 250°F (121°C) standard. 165°F (74°C), 212°F (100°C) and 350°F (176°C) available.       GRILLE/DIFFUSER SELECTION:         PRL (Pneumatic Replaceable Link) is standard on dampers with pneumatic actuators: 212°F (100°C) standard. 165°F (74°C) and 280°F (138°C) available.       Compatible Steel Supply or Return Grille/Diffuser by Nailor. (see attached submittal dwg. for model selection).         Compatible Steel Supply or Return Air Grille/Diffuser (various models available).       For installation instructions, see IOM-TCOWFSDINST         PROJECT:       DATE       B SERIES       SUPERSEDES       DRAWING M									
ERL (Electric Resettable Link) is std. on dampers with electric actuators: 250°F (121°C) standard. 165°F (74°C), 212°F (100°C) and 350°F (176°C) available.       GRILLE/DIFFUSER SELECTION:         PRL (Pneumatic Replaceable Link) is standard on dampers with pneumatic actuators: 212°F (100°C) standard. 165°F (74°C) and 280°F (138°C) available.       Compatible Steel Supply or Return Air Grille/Diffuser (various models available).         SCHEDULE TYPE:       For installation instructions, see IOM-TCOWFSDINST Dimensions are in inches (mm).         PROJECT:       DATE       B SERIES       DRAWING N					Square-to-Round Transition Collar.				
PRE (Finedinatic Replaceable Link) is standard on dampers with pneumatic actuators: 212°F (100°C) standard. 165°F (74°C) and 280°F (138°C) available.       Grille/Diffuser by others.         Compatible Steel Supply or Return Air Grille/Diffuser (various models available).       For installation instructions, see IOM-TCOWFSDINST Dimensions are in inches (mm).         PROJECT:       DATE       B SERIES       DRAWING N	ERL (Electric Resettable Link) is std. on dampers with electric actuators: 250°F (121°C) standard. 165°F (74°C), 212°F (100°C) and 350°F (176°C) available.       GF			GRILLE/D	GRILLE/DIFFUSER SELECTION:				
Compatible Steel Supply or Return Air Grille/Diffuser (various models available).         SCHEDULE TYPE:       For installation instructions, see IOM-TCOWFSDINST         PROJECT:       Dimensions are in inches (mm).         ENGINEER:       DATE       B SERIES       SUPERSEDES       DRAWING No.	pneumatic a	pneumatic actuators: 212°F (100°C) standard. 165°F (74°C) and							
PROJECT:     Dimensions are in inches (mm).       ENGINEER:     DATE     B SERIES     SUPERSEDES     DRAWING N	Compatible	e Steel Supply or Return Air Grille/I	Diffuser						
PROJECT:       Dimensions are in inches (mm).         ENGINEER:       DATE       B SERIES       SUPERSEDES       DRAWING No.	SCHEDULE	TYPE:			For installation instructions, see IOM-TCOWFSDINST.				
ENGINEER: DATE B SERIES SUPERSEDES DRAWING N					Dimensions are in inches (mm).				
		:			DATE	<b>B SERIES</b>	SUPERSEDES	DRAWING NO.	
	CONTRACTOR:				6 - 21 - 22	1220C	NEW	1221C-4	

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