




Date: December 13, 2016

CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER 'Assessment Reports' are not acceptable	R4785-19630411 R4785- 19630411	CERTIFICATE NUMBER	GSYX.R3791 GVTV.R3821
DATE OF ISSUE	19630411 19630411	DATE OF ISSUE	October 26, 2006 December 21, 2009
DATE OF EXPIRY	Refer our website: www.ul.com and type in the UL FILE NUMBER	DATE OF EXPIRY	Refer our website: www.ul.com and type in the UL FILE NUMBER
Manufacturer details			
NAME OF FACTORY/ MANUFACTURER	Maltex S A DE C V	NAME OF THE BRAND	Ceco Door
FACTORY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	Brecha 122 KM 68 Poblado Anahuac 87510 Valle Hermoso Tamps Mexico	MODEL / NO	Hollow Metal Steel Stiffened Mineral Core Doors Refer to pages 5-7 for more details.
WEBSITE	http://www.cecodoor.com/	LOGO ON THE PRODUCT	
TEL	1-615-661-4109	EMAIL	Gary.Cadigan@assaabloy.com



Product Details From Test Report		Reference Test Report page NO																																						
DESCRIPTION OF THE PRODUCT (TECHNICAL DETAILS FROM TEST REPORT, SUCH AS ACTUAL FIRE RATINGS/DIMENSIONS/THICKNESS/ SENSITIVITY ETC)	Swinging-Type Fire Doors (GSYX). Compatible with Fire Door Frame under UL Certificate No. GVTV.R3821	R4785-19630411																																						
	Fire Door and Fire Window Frame (GVTV). Compatible with Swinging-type Fire Door(s) under UL Certificate No. GSYX.R3791 See Below for more information.																																							
SIZE:	SWING-TYPE FIRE DOOR SIZE (R3791): <table border="1"> <thead> <tr> <th rowspan="2">Type of Opening</th> <th colspan="3">Maximum Leaf Size, mm</th> <th rowspan="2">Core Type(s)</th> <th rowspan="2">Hourly Rating, hr</th> <th rowspan="2">Temperature Rise, °F</th> </tr> <tr> <th>Width</th> <th>Height</th> <th>Thickness</th> </tr> </thead> <tbody> <tr> <td>Single</td> <td>1219</td> <td>2743</td> <td>45</td> <td>Hollow metal</td> <td>3</td> <td></td> </tr> <tr> <td>Single</td> <td>1219</td> <td>2438</td> <td>45</td> <td>Vertical stiffened</td> <td>1-1/2</td> <td></td> </tr> <tr> <td>Pair</td> <td>2438</td> <td>3048</td> <td>45</td> <td>Steel composite</td> <td>1-1/2</td> <td>250</td> </tr> <tr> <td>Pair</td> <td>2438</td> <td>2743</td> <td>45</td> <td>Hollow metal</td> <td>3</td> <td></td> </tr> </tbody> </table>	Type of Opening	Maximum Leaf Size, mm			Core Type(s)	Hourly Rating, hr	Temperature Rise, °F	Width	Height	Thickness	Single	1219	2743	45	Hollow metal	3		Single	1219	2438	45	Vertical stiffened	1-1/2		Pair	2438	3048	45	Steel composite	1-1/2	250	Pair	2438	2743	45	Hollow metal	3		R4785-19630411
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TEST STANDARD (SUCH AS ASTM/BS EN/ DN ETC)	ANSI/UL 10B, "Fire Tests of Door Assemblies" UL Subject 63, Outline of Investigation for Fire Door Frames	R4785-19630411																																						
TEST DESCRIPTION	Tests conducted in accordance with above noted Standard(s): The following tests were conducted: 1. Fire Endurance and Hose Stream Test @ UL NBK	R4785-19630411																																						



<p>SPECIFICATION OF TEST SPECIMEN</p>	<p>Swinging-Type Fire Doors, Swinging-Type Fire, Positive Pressure Tested:</p> <p>Swinging-type Fire Doors; Doors Capable of 250 Deg F, 450 Deg F, 650 Deg F Temperature Rise at 30 minutes or NO Temperature Rise Rating available depending on Core</p> <p>Fire Door and Fire Window Frame:</p> <p>Certified fire door frames may be used as a component of a smoke and draft control assembly when installed with a UL-certified fire door bearing the "S" marking (see Swinging-type Fire Doors, Positive-pressure Tested (GSZN)) and UL-certified Category H gasketing materials for fire doors (see Gasketing and Edge-sealing Materials for Fire Doors, Positive-pressure Tested (GVYI)). The "S" mark identifying the smoke and draft control assembly is only required on the fire door label.</p> <p>Authorities Having Jurisdiction should be consulted as to the particular requirements covering the installation and use of these products.</p>	
<p>TEST RESULT (SUCH AS PASSED CRITERIA___/ COMPLIED TO___/ DURATION___/OBSERVATION___/ETC)</p>	<p>Pass– Product(s) are judged eligible to bear UL Certification Mark</p>	<p>R4785-19630411</p>
<p>PRODUCT APPLICATION GUIDELINE (END USE) (CLEARLY STATE THE END USE WITH SPECIFIC APPLICATION, SUCH AS EXACT FIRE RATING/TO BE INSTALLED IN___/TO BE INSTALLED AT___/TO BE CONNECTED WITH___/TO BE INSTALLED WITH___ ETC ALONG WITH ANY WARNINGS SUCH AS NOT TO BE USED IN___/NOT TO BE INSTALLED AT___/ NOT TO BE INSTALLED WITH___ ETC.</p>	<p>Swinging-Type Fire Doors, Swinging-Type Fire, Positive Pressure Tested:</p> <p>GENERAL:</p> <p>This category covers swinging-type fire doors consisting of the following constructions: composite, hollow-metal, metal-clad, sheet-metal, tin-clad and wood core.</p> <p>INSTALLATION:</p> <p>Swinging-type fire doors are intended for installation in concrete, masonry and non-masonry walls.</p> <p>Fire Door and Fire Window Frame:</p> <p>GENERAL:</p>	<p>R4785-19630411</p>



This category covers fire door frames, fire window frames, and 20-minute-type door frames or window frames fire tested without hose stream. These frames are intended for installation in conjunction with fire doors, hardware, glazing and/or other accessories that together form a fire door assembly or fire window assembly, which provides the degree of fire protection to the opening.

INSTALLATION:

Fire Door and Fire Windows Frames are intended for installation in concrete, masonry and non-masonry walls.

Authorities Having Jurisdiction should be consulted as to the particular requirements covering the installation and use of these products.

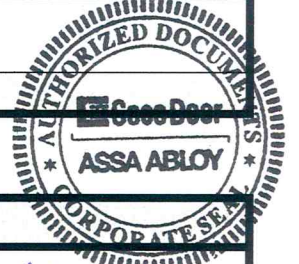


Laboratory and Certification body details

NAME OF CERTIFICATION BODY	UL LLC	NAME OF TEST FACILITY	UL LLC
CERTIFICATION BODY ADDRESS / REGION <small>(STREET / TOWN / CITY / COUNTRY)</small>	333 Pfingsten Road Northbrook, IL 60062 USA	TEST FACILITY ADDRESS / REGION <small>(STREET / TOWN / CITY / COUNTRY)</small>	333 Pfingsten Road Northbrook, IL 60062 USA
WEBSITE	www.ul.com	WEBSITE	www.ul.com
TEL	001 847.664.2263	TEL	001 847.664.2263
EMAIL	Firesafety@ul.com	EMAIL	Firesafety@ul.com
ACCREDITED BY <small>(NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE CERTIFICATION BODY, ALONG WITH WEBSITE)</small>	American National Standards Institute (ANSI) as a product certification body ansi.org	ACCREDITED BY <small>(NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE LABORATORY, ALONG WITH WEBSITE)</small>	International Accreditation Services (IAS) iasonline.org
AS PER <small>(STANDARD TO WHICH THE CERTIFICATION BODY IS ACCREDITED TO)</small>	ISO/IEC Guide 65	AS PER <small>(STANDARD TO WHICH YOUR ORGANIZATION IS ACCREDITED TO)</small>	ISO 17025
VALIDITY <small>(EXPIRY DATE OF CERTIFICATION BODY ACCREDITATION)</small>	Active as of date of issuance of this certificate	VALIDITY <small>(EXPIRY DATE OF LABORATORY ACCREDITATION)</small>	Active as of date of issuance of this certificate
REFERENCE NUMBER: <small>(CERTIFICATION BODY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)</small>	Accreditation ID #0198	REFERENCE NUMBER: <small>(THE LABORATORY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)</small>	Accreditation ID # TL-157
CERTIFICATION MARK			



(ENDORSEMENT) TO BE SIGNED BY MANUFACTURER			
NAME OF MANUFACTURER'S SIGNATORY	DWAYNE CHARLTON	SIGNATURE	<i>Dwayne Charlton</i>
EMAIL / TEL	<i>dwayne.charlton@assaabloy.com</i> 731.686.8395	FACTORY OFFICIAL SEAL	
NOTES: I Undertake that all data and information provided are genuine and accurate			



(ENDORSEMENT) TO BE SIGNED BY CERTIFICATION BODY			
NAME OF CERTIFICATION BODY SIGNATORY	Noelle McMahan	SIGNATURE	<i>Noelle McMahan</i>
EMAIL / TEL	Noelle.McMahan@ul.com 847.664.2068	CERTIFICATION BODY OFFICIAL SEAL	
NOTES: I Undertake that all data and information provided are genuine and accurate			



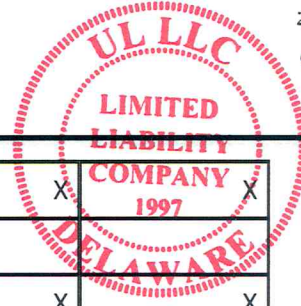


ATTACHMENTS:

Swinging doors may be provided as follows:



Max Rating	Opening Type	Hollow Metal Type Door	Steel Covered Composite Type Door
3 Hr	Dutch Door	X	—
	Single Swing		
3 Hr	Pair with Astragal	X	X
	Mortise/Vertical Rod Fire		
	Exit Hardware		
3 Hr	Double Egress with Astragal	X	X
	Vertical Rod/Vertical Rod Fire		
	Exit Hardware		
3 Hr	Single or Pair with Astragal	X	X
	Single Point Lock/Flush Bolts		
3 Hr	Pair with Electric	X	—
	Strike & Astragal		
	Single Point Lock/		
	Flush Bolts or Mortise/		
	Vertical Rod		
	Electric Strike Provided		
3 Hr	250 F Temp Rise Door	—	X
3 Hr	Single Rim/Mortise	X	X
	Fire Exit Hardware		
3 Hr	Door with Wilsonart	X	X
	Brand Laminate		
3 Hr	Door with maximum	X	X
	100 sq/in of "Firelite"		
	glazing material		



3 Hr	Single Rim/Mortise Fire Exit	X	X
	Hardware		
3 Hr	Single Stainless Steel	X	X
	Single Point Lock		
3 Hr	450 F Temp Rise Door	X	X
3 Hr	650 F Temp Rise Door	X	X
3 Hr	Single with vertical rod exit hardware	X	—
	and Thermal pins		
1-1/2 Hr	Single or Pair with Astragal	—	X
	Single Point Lock/Flush Bolts		
1-1/2 Hr	Pair without Astragal	X	X
	Vertical Rod/Vertical Rod		
	Fire Exit Hardware		
1-1/2 Hr	Pair without Astragal	X	—
	Open Back Strike Provided		
1-1/2 Hr	Double Egress	X	X
	without Astragal		
	Vertical Rod/Vertical Rod		
	Fire Exit Hardware		
1-1/2 Hr	Single or Pair without	X	—
	Astragal Single Point		
	Lock/Flush Bolts		
1-1/2 Hr	Pair with Electric Strike	X	—
	without Astragal		
	Single Point Lock/Flush		



	Bolts or		
	Mortise/Vertical Rod		
	Fire Exit Hardware		
1-1/2	Pair Stainless Steel	X	—
	Single Point Lock		
	With Flush Bolts		
	or Mortise/Vertical		
	Rod Fire Exit Hardware		
1-1/2 Hr	Pair without Astragal	X	—
	Mortise/Vertical Rod		
	Fire Exit Hardware		
	Electric Strike Provided		
1-1/2 Hr	Door with Automatic	X	—
	Louver		

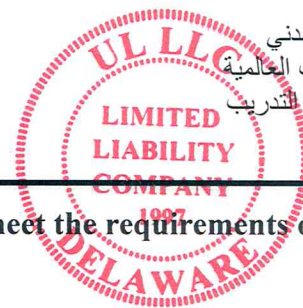
Hollow metal type doors bearing the 1-1/2 Hr Classification Marking for use with Listed multiple opening frame design, Listed by this manufacturer under Door and Window Frames.

Door Frames for use as a component in fire door assemblies that meet the requirements of UL10C, (positive pressure):

Three sided steel frame without transoms (single swing, pairs and double egress pairs) (welded, knockdown, KD slip on, multiple opening). These frames are also suitable for use in smoke door applications when used with Classified Swinging Type Fire Doors, Positive Pressure Tested (GSZN) bearing the "S" mark on the Classification Marking and Category H Smoke and Draft Control Gasketing. See Gasketing Materials for Fire Doors, Positive Pressure Tested (GVYI) for listings of Category H smoke and draft control gaskets.

Steel frames with lights. Requires Glazing Materials Classified as components in fire door assemblies complying with UL 10C. See Glazing Materials (KCMZ) for a list of glazing materials.

Frames for use with doors rated up to and including 3 hrs for installation in 4 hr steel stud gypsum wallboard walls.



Door Frames for use as a component in fire door assemblies that meet the requirements of UL10B (neutral pressure):

Three sided frames without transom bars (single swing, pairs and double egress pairs) (welded, knockdown, KD slip on, multiple opening).

Frames with lights. Requires Glazing Materials Classified as components in fire door assemblies complying with UL 10B and/or UL 10C. See Glazing Materials (KCMZ) for a list of glazing materials.

Transom panel frames with or without transom bars. For use with Listed transom panels.

Steel frames with side panels. For use with Classified side panels.

Frame incorporating provisions for Listed overhead concealed closers when used with this manufacturer's door design may be rated up to and including 3 hrs.

Window Frames for use as a component in fire window assemblies that meet the requirements of UL 9 (positive pressure):

Four sided steel frames. Requires Glazing Materials and glazing compound Classified as components in fire window assemblies complying with UL 10C. See Glazing Materials (KCMZ) for a list of glazing materials and Miscellaneous Fire Doors Accessories, Positive Pressure Tested (GVUY) for a list of glazing compounds.

Window Frames for use as a component in fire window assemblies that meet the requirements of UL9 (neutral pressure):

Four sided steel frames. Requires Glazing Materials Classified as components in fire window assemblies complying with UL 9. See Glazing Materials (KCMZ) for a list of glazing materials.

Trademark and/or Tradename: 



	19861202 19870514 19870515 19870518 19900201 19910110 19910321 19920617 19990428 20021014 20050221 20050412 20050526 20051216 20061002 20090417 20120717 20151201		
DATE OF EXPIRY	Refer our website: www.ul.com and type in the UL FILE NUMBER	DATE OF EXPIRY	Refer our website: www.ul.com and type in the UL FILE NUMBER
Manufacturer details			
NAME OF FACTORY/ MANUFACTURER	CECO Door Products, Div Of Assa Abloy Door Group L L C	NAME OF THE BRAND	CECO Door Products
FACTORY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	9159 Telecom Dr. Milan, TN 38358-3425	MODEL / NO	Gasketed Fire Door Frames Fire Window Frames Transom and/or Sidelight Frames 3 Pieces Fire Door Frames Mineral Core Door Polyurethane Core Doors Polystyrene Core Doors Honeycomb Core Doors Trio-Hollow Metal Steel Stiffened



WEBSITE	http://www.cecodoor.com/	LOGO ON THE PRODUCT	
TEL	1-615-661-4109	EMAIL	TJANICAK@CECODOOR.COM

Product Details From Test Report		Reference Test Report page NO
DESCRIPTION OF THE PRODUCT (TECHNICAL DETAILS FROM TEST REPORT, SUCH AS ACTUAL FIRE RATINGS/DIMENSIONS/ THICKNESS/ SENSITIVITY ETC)	Swinging-Type Fire Doors (GSYX)	R3791-19700107
	Swinging-Type Fire, Positive Pressure Tested (GSZN)	19720816
		19730831
		19801218
		19841226
		19850605
		19861201
		19861202
		19870514
		19870515
		19870518
		19900201
		19910110
	19910321	
	19920617	
	19990428	
	20021014	
	20050221	
	20050412	
	20050526	
	20051216	
	20061002	
	20090417	
	20120717	
	20151201	
SIZE:	SWING-TYPE FIRE DOOR SIZE (R3791):	R3791-19700107



Type of Opening	Maximum Leaf Size, mm			Core Type(s)	Hourly Rating, hr	Temperature Rise, °F	
	Width	Height	Thickness				
Single	1524	3658	45	Steel composite	1-1/2	250	19720816 19730831 19801218 19841226 19850605
Single	1219	2743	45	Hollow metal steel stiffened	3		19861201 19861202 19870514
Pair	2438	3048	45	Steel composite	1-1/2	250	19870515 19870518
Pair	2438	2743	45	Hollow metal steel stiffened	3		19900201 19910110 19910321 19920617 19990428
FIRE DOOR FRAME SIZE (R3821):							
Type Of Opening	Maximum Opening, mm		Overall Frame Size, mm				
	Width	Height	Width	Height			
Single	1524	3658	1740	3875			
Pair	2438	3048	2655	3260			
TEST STANDARD (SUCH AS ASTM/BS EN/ DN ETC)	ANSI/UL 9, "Fire Tests of Window Assemblies."						R3791-
	ANSI/UL 10B, "Fire Tests of Door Assemblies"						19700107
	ANSI/UL 10C, "Positive Pressure Fire Tests of Door Assemblies"						19720816
	UL Subject 63, Outline of Investigation for Fire Door Frames						19730831
							19801218
							19841226
							19850605
							19861201
							19861202
							19870514
							19870515
							19870518
						19900201	
						19910110	
						19910321	
						19920617	
						19990428	
						20021014	
						20050221	
						20050412	



			20050526 20051216 20061002 20090417 20120717 20151201
TEST DESCRIPTION	Tests conducted in accordance with above noted Standard(s): Fire Endurance Test Hose Stream Test		R3791- 19700107 19720816 19730831 19801218 19841226 19850605 19861201 19861202 19870514 19870515 19870518 19900201 19910110 19910321 19920617 19990428 20021014 20050221 20050412 20050526 20051216 20061002 20090417 20120717 20151201
SPECIFICATION OF TEST SPECIMEN	Production Samples		R3791- 19700107 19720816 19730831 19801218 19841226 19850605 19861201 19861202 19870514 19870515



			19870518 19900201 19910110 19910321 19920617 19990428 20021014 20050221 20050412 20050526 20051216 20061002 20090417 20120717 20151201
TEST RESULT (SUCH AS PASSED CRITERIA___/ COMPLIED TO___/ DURATION___/OBSERV ATION___/ETC)	Pass		R3791- 19700107 19720816 19730831 19801218 19841226 19850605 19861201 19861202 19870514 19870515 19870518 19900201 19910110 19910321 19920617 19990428 20021014 20050221 20050412 20050526 20051216 20061002 20090417 20120717 20151201



<p>PRODUCT APPLICATION GUIDELINE (END USE) (CLEARLY STATE THE END USE WITH SPECIFIC APPLICATION, SUCH AS EXACT FIRE RATING/TWO BE INSTALLED IN ___/TO BE INSTALLED AT ___/TO BE CONNECTED WITH ___/TO BE INSTALLED WITH ___ ETC ALONG WITH ANY WARNINGS SUCH AS NOT TO BE USED IN ___/NOT TO BE INSTALLED AT ___/ NOT TO BE INSTALLED WITH ___ ETC.</p>	<p>This category covers fire door frames, fire window frames, and 20-minute-type door frames or window frames fire tested without hose stream. These frames are intended for installation in conjunction with fire doors, hardware, glazing and/or other accessories that together form a fire door assembly or fire window assembly, which provides the degree of fire protection to the opening.</p> <p>Fire door and fire window frames are intended for the protection of openings in walls when installed in accordance with ANSI/NFPA 80, "Fire Doors and Other Opening Protectives," and ANSI/SDI A250.11, "Recommended Erection Instructions for Steel Frames." Installation instructions are not required to be shipped with frames that are to be installed in accordance with ANSI/NFPA 80 and ANSI/SDI A250.11. Installation details other than those specified in ANSI/NFPA 80 and ANSI/SDI A250.11 are shipped with the frames. Elevator door frames, wood frames and other special-use frames as identified in the individual certifications are intended for installation only in walls of the types shown in the installation instructions accompanying the door or window frame.</p> <p>20-minute-type door frames fire tested without hose stream are intended for use with 20-minute-type door assemblies fire tested without hose stream. 20-minute-type door and window assemblies fire tested without hose stream are intended for the protection of openings in walls and partitions as specified in the applicable sections of one or more model building codes. The 20-minute rating indicates the duration of fire exposure only. These 20-minute door and window frame assembly types have not been subjected to a hose stream exposure.</p> <p><i>Certified fire door frames may be used as a component of a smoke and draft control assembly when installed with a UL-certified fire door bearing the "S" marking (see Swinging-type Fire Doors, Positive-pressure Tested (GSZN)) and UL-certified Category H gasketing materials for fire doors (see Gasketing and Edge-sealing Materials for Fire Doors, Positive-pressure Tested (GVYI)). The "S" mark identifying the smoke and draft control assembly is only required on the fire door label.</i></p> <p>Authorities Having Jurisdiction should be consulted as to the particular requirements covering the installation and use of these products.</p>	<p>R3791- 19700107 19720816 19730831 19801218 19841226 19850605 19861201 19861202 19870514 19870515 19870518 19900201 19910110 19910321 19920617 19990428 20021014 20050221 20050412 20050526 20051216 20061002 20090417 20120717 20151201</p>
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Laboratory and Certification body details

NAME OF CERTIFICATION BODY	UL LLC	NAME OF TEST FACILITY	UL LLC Innovation Test Center under UL WTDP
CERTIFICATION BODY ADDRESS / REGION <small>(STREET / TOWN / CITY / COUNTRY)</small>	333 Pfingsten Road Northbrook, IL 60062 USA	TEST FACILITY ADDRESS / REGION <small>(STREET / TOWN / CITY / COUNTRY)</small>	333 Pfingsten Road Northbrook, IL 60062 USA 1600 12 th Street NE, Building G Mason City, IA 50402
WEBSITE	www.ul.com	WEBSITE	www.ul.com
TEL	001 847.664.2263	TEL	001 847.664.2263
EMAIL	Firesafety@ul.com	EMAIL	Firesafety@ul.com
ACCREDITED BY <small>(NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE CERTIFICATION BODY, ALONG WITH WEBSITE)</small>	American National Standards Institute (ANSI) as a product certification body ansi.org	ACCREDITED BY <small>(NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE LABORATORY, ALONG WITH WEBSITE)</small>	International Accreditation Services (IAS) iasonline.org
AS PER <small>(STANDARD TO WHICH THE CERTIFICATION BODY IS ACCREDITED TO)</small>	ISO/IEC Guide 65	AS PER <small>(STANDARD TO WHICH YOUR ORGANIZATION IS ACCREDITED TO)</small>	ISO 17025
VALIDITY <small>(EXPIRY DATE OF CERTIFICATION BODY ACCREDITATION)</small>	Active as of date of issuance of this certificate	VALIDITY <small>(EXPIRY DATE OF LABORATORY ACCREDITATION)</small>	Active as of date of issuance of this certificate
REFERENCE NUMBER: <small>(CERTIFICATION BODY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)</small>	Accreditation ID #0198	REFERENCE NUMBER: <small>(THE LABORATORY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)</small>	Accreditation ID # TL-157
CERTIFICATION MARK			



(ENDORSEMENT) TO BE SIGNED BY MANUFACTURER			
NAME OF MANUFACTURER'S SIGNATORY	DWAYNE CHARLTON	SIGNATURE	
EMAIL / TEL	dwayne.charlton@assaabloy.com 731.686.8745	FACTORY OFFICIAL SEAL	
NOTES: I Undertake that all data and information provided are genuine and accurate			

(ENDORSEMENT) TO BE SIGNED BY CERTIFICATION BODY			
NAME OF CERTIFICATION BODY SIGNATORY	Noelle McMahan	SIGNATURE	
EMAIL / TEL	Noelle.McMahan@ul.com 847.664.2068	CERTIFICATION BODY OFFICIAL SEAL	
NOTES: I Undertake that all data and information provided are genuine and accurate			



ATTACHMENTS:

Swinging doors may be provided as follows:



Max Rating	Opening Type	Hollow Metal Type Door	Steel Covered Composite Type Door
3 Hr	Dutch Door	X	—
	Single Swing		
3 Hr	Pair with Astragal	X	X
	Mortise/Vertical Rod Fire		
	Exit Hardware		
3 Hr	Double Egress with Astragal	X	X
	Vertical Rod/Vertical Rod Fire		
	Exit Hardware		
3 Hr	Single or Pair with Astragal	X	X
	Single Point Lock/Flush Bolts		
3 Hr	Pair with Electric	X	—
	Strike & Astragal		
	Single Point Lock/		
	Flush Bolts or Mortise/		
	Vertical Rod		
	Electric Strike Provided		
3 Hr	250 F Temp Rise Door	—	X
3 Hr	Single Rim/Mortise	X	X
	Fire Exit Hardware		
3 Hr	Door with Wilsonart	X	X
	Brand Laminate		
3 Hr	Door with maximum	X	X
	100 sq/in of "Firelite"		
	glazing material		



3 Hr	Single Rim/Mortise Fire Exit	X	
	Hardware		
3 Hr	Single Stainless Steel	X	X
	Single Point Lock		
3 Hr	450 F Temp Rise Door	X	X
3 Hr	650 F Temp Rise Door	X	X
3 Hr	Single with vertical rod exit hardware	X	—
	and Thermal pins		
1-1/2 Hr	Single or Pair with Astragal	—	X
	Single Point Lock/Flush Bolts		
1-1/2 Hr	Pair without Astragal	X	X
	Vertical Rod/Vertical Rod		
	Fire Exit Hardware		
1-1/2 Hr	Pair without Astragal	X	—
	Open Back Strike Provided		
1-1/2 Hr	Double Egress	X	X
	without Astragal		
	Vertical Rod/Vertical Rod		
	Fire Exit Hardware		
1-1/2 Hr	Single or Pair without	X	—
	Astragal Single Point		
	Lock/Flush Bolts		
1-1/2 Hr	Pair with Electric Strike	X	—
	without Astragal		
	Single Point Lock/Flush		



	Bolts or		
	Mortise/Vertical Rod		
	Fire Exit Hardware		
1-1/2	Pair Stainless Steel	X	—
	Single Point Lock		
	With Flush Bolts		
	or Mortise/Vertical		
	Rod Fire Exit Hardware		
1-1/2 Hr	Pair without Astragal	X	—
	Mortise/Vertical Rod		
	Fire Exit Hardware		
	Electric Strike Provided		
1-1/2 Hr	Door with Automatic	X	—
	Louver		

Hollow metal type doors bearing the 1-1/2 Hr Classification Marking for use with Listed multiple opening frame design, Listed by this manufacturer under Door and Window Frames.

Door Frames for use as a component in fire door assemblies that meet the requirements of UL10C, (positive pressure):

Three sided steel frame without transoms (single swing, pairs and double egress pairs) (welded, knockdown, KD slip on, multiple opening). These frames are also suitable for use in smoke door applications when used with Classified Swinging Type Fire Doors, Positive Pressure Tested (GSZN) bearing the "S" mark on the Classification Marking and Category H Smoke and Draft Control Gasketing. See Gasketing Materials for Fire Doors, Positive Pressure Tested (GVYI) for listings of Category H smoke and draft control gaskets.

Steel frames with lights. Requires Glazing Materials Classified as components in fire door assemblies complying with UL 10C. See Glazing Materials (KCMZ) for a list of glazing materials.

Frames for use with doors rated up to and including 3 hrs for installation in 4 hr steel stud gypsum wallboard walls.

Door Frames for use as a component in fire door assemblies that meet the requirements of UL10B (neutral pressure):



Three sided frames without transom bars (single swing, pairs and double egress pairs) (welded, knockdown, KD slip on, multiple opening).

Frames with lights. Requires Glazing Materials Classified as components in fire door assemblies complying with UL 10B and/or UL 10C. See Glazing Materials (KCMZ) for a list of glazing materials.

Transom panel frames with or without transom bars. For use with Listed transom panels.

Steel frames with side panels. For use with Classified side panels.

Frame incorporating provisions for Listed overhead concealed closers when used with this manufacturer's door design may be rated up to and including 3 hrs.

Window Frames for use as a component in fire window assemblies that meet the requirements of UL 9 (positive pressure):

Four sided steel frames. Requires Glazing Materials and glazing compound Classified as components in fire window assemblies complying with UL 10C. See Glazing Materials (KCMZ) for a list of glazing materials and Miscellaneous Fire Doors Accessories, Positive Pressure Tested (GVUY) for a list of glazing compounds.

Window Frames for use as a component in fire window assemblies that meet the requirements of UL9 (neutral pressure):

Four sided steel frames. Requires Glazing Materials Classified as components in fire window assemblies complying with UL 9. See Glazing Materials (KCMZ) for a list of glazing materials.

Trademark and/or Tradename:



COPY OF 'CERTIFICATE OF COMPLIANCE' ISSUED BY CERTIFICATION BODY (OLD OR NEW)