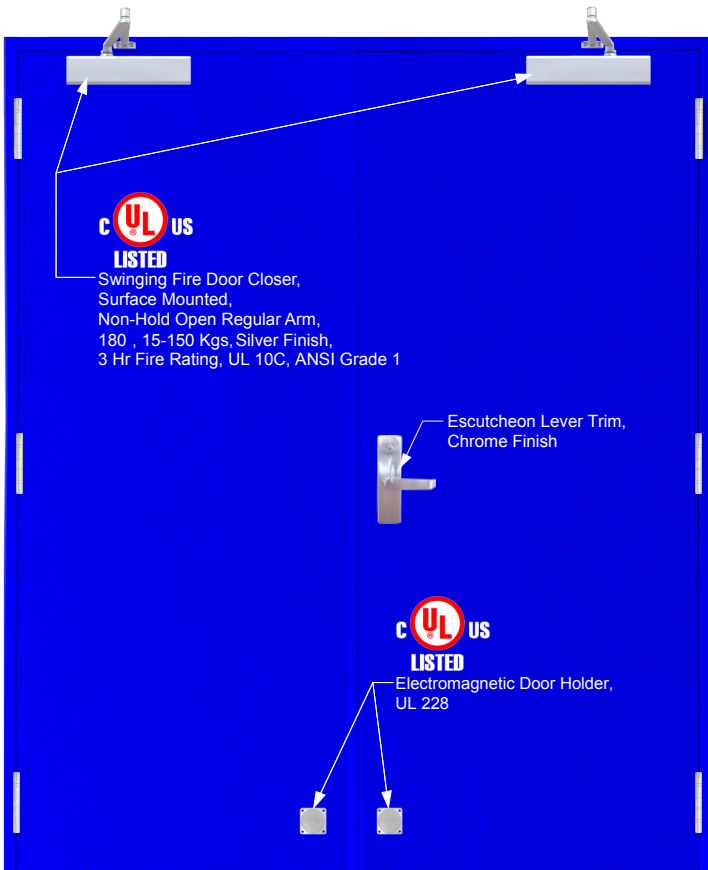
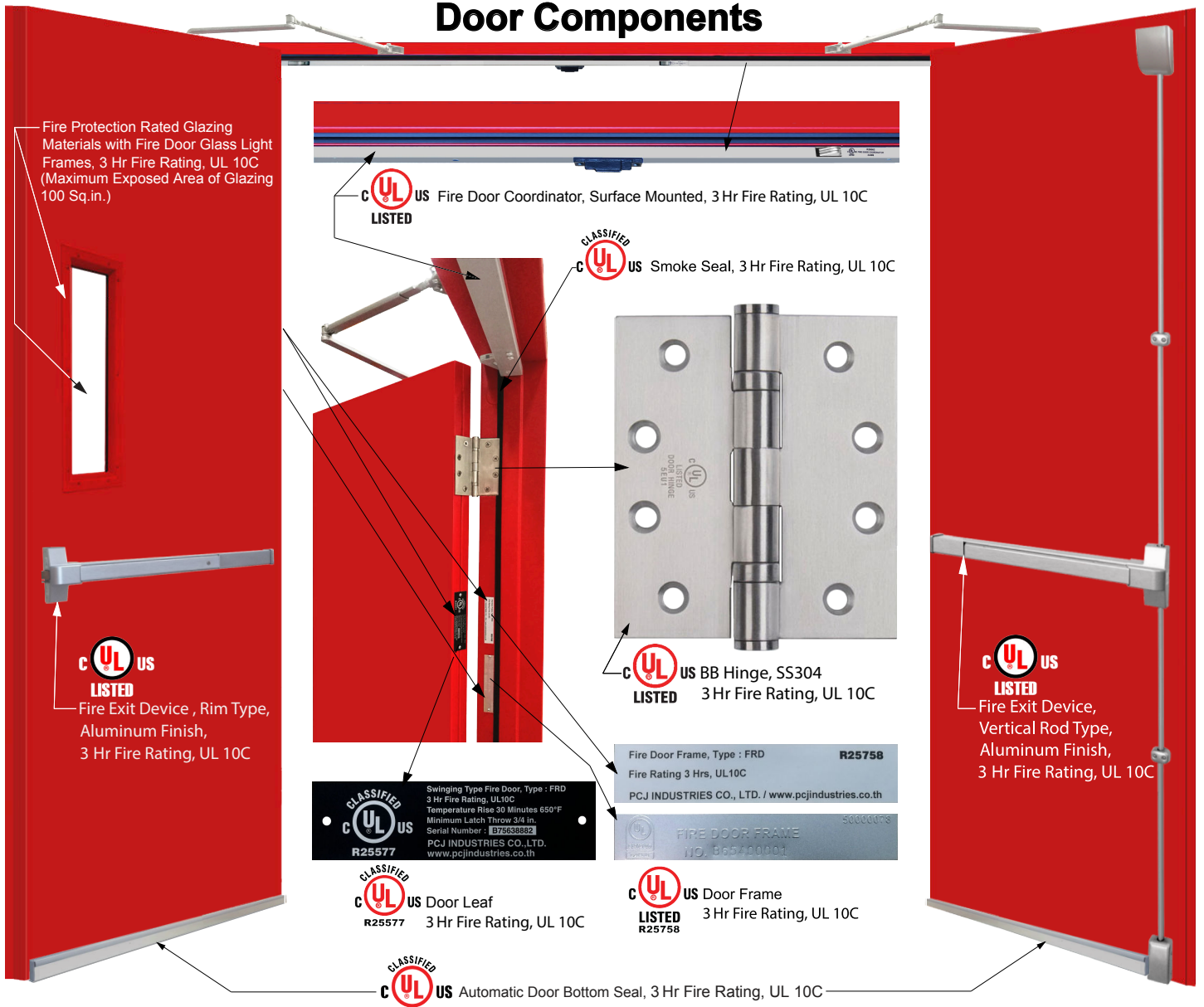


## Fire Steel Doors

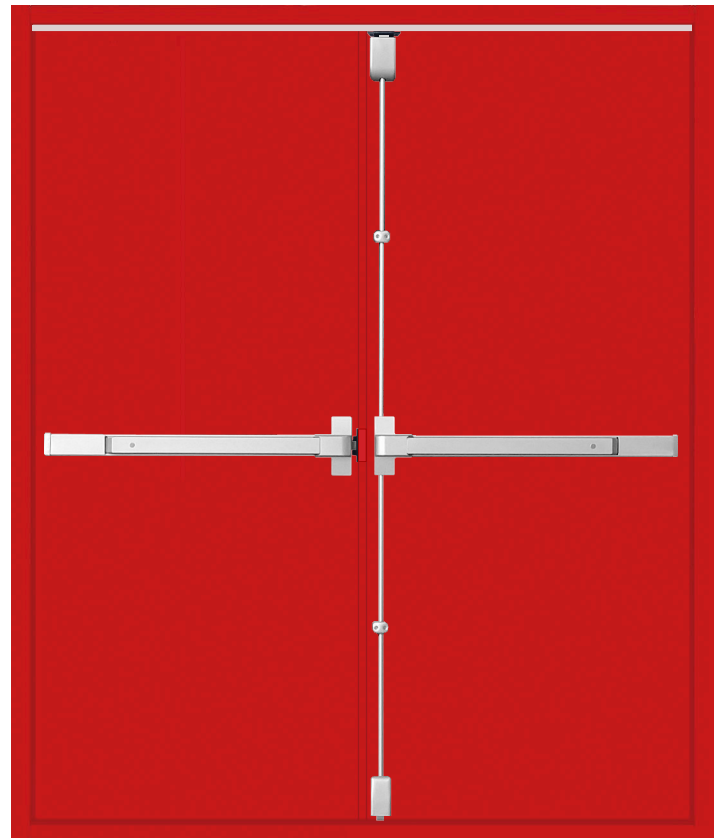
Model : FRD, 3 Hr Fire Rating,  
ANSI/UL 10C & CAN/ULC-S104



# Door Components

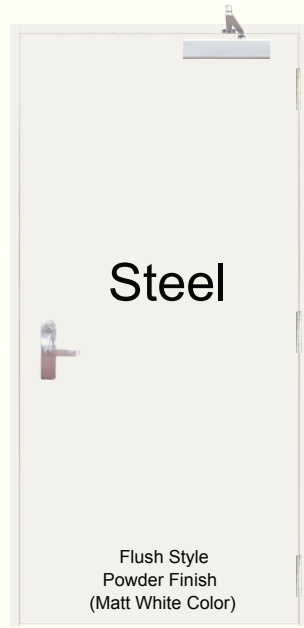


Automatic Door Bottom Seal, 3 Hr Fire Rating, UL 10C (Without Threshold / Bottom Frame)



With Threshold / Bottom Frame (Without Automatic Door Bottom Seal)

## Styles and Colors



# Door Hardware



Fire Exit Device, Rim Type, Aluminum Finish, 3 Hr Fire Rating, UL 10C



Escutcheon Lever Trim, Chrome Finish



BB Hinge, S5304  
3 Hr Fire Rating, UL 10C



Fire Exit Device, Vertical Rod Type, Aluminum Finish, 3 Hr Fire Rating, UL 10C



Swinging Fire Door Closer,  
Surface Mounted,  
Non-Hold Open Regular Arm,  
180°, 60-150 Kgs, Silver Finish,  
3 Hr Fire Rating, UL 10C

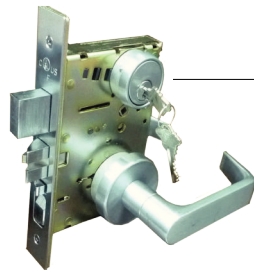


Swinging Fire Door Closer,  
Surface Mounted,  
Non-Hold Open Regular Arm,  
180°, 15-150 Kgs, Silver Finish,  
3 Hr Fire Rating, UL 10C, ANSI Grade 1

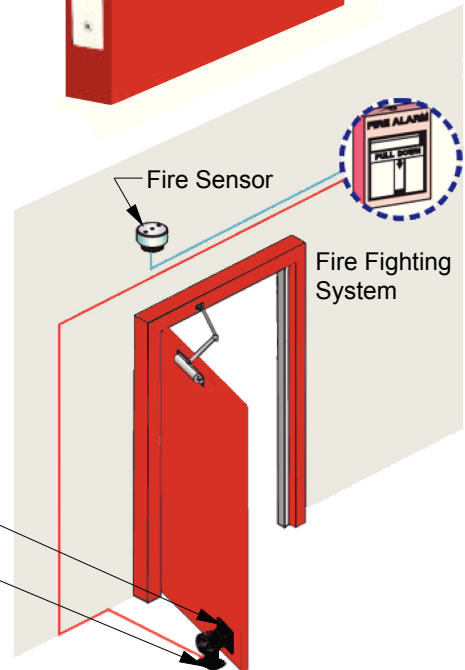
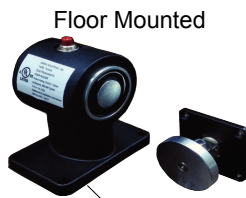


# Door Hardware

**C** **UL** **US** Fire Mortise Lock, Stainless Steel  
**LISTED** 3 Hr Fire Rating, UL 10C



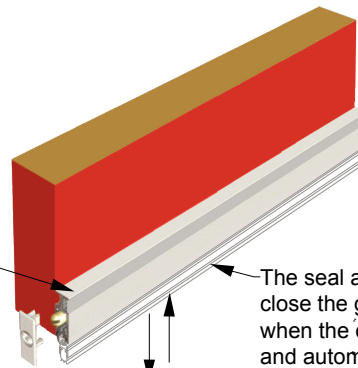
**C** **UL** **US** Electromagnetic Door Holder, UL 228  
**LISTED**



**C** **UL** **US** Smoke Seal, 3 Hr Fire Rating, UL 10C  
**CLASSIFIED**

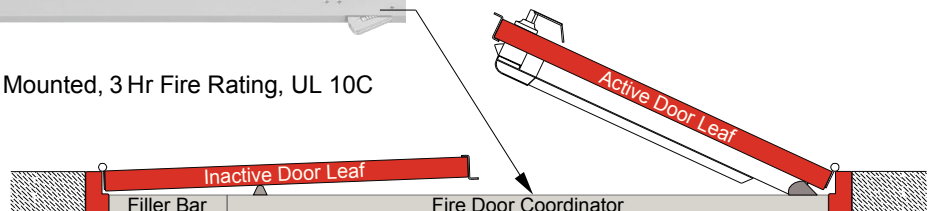


**C** **UL** **US** Automatic Door Bottom Seal, 3 Hr Fire Rating, UL 10C  
**CLASSIFIED**

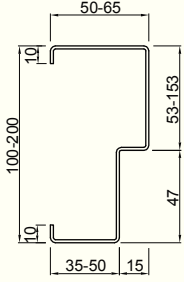
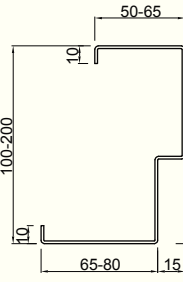
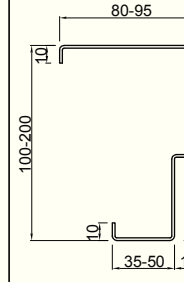
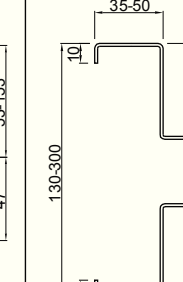
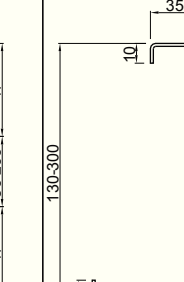
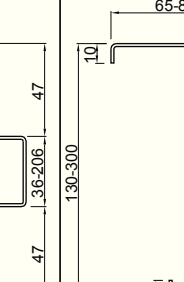


The seal automatically comes out to close the gap beneath the door leaf when the door leaf is completely closed, and automatically retract when the door leaf starts to be opened.

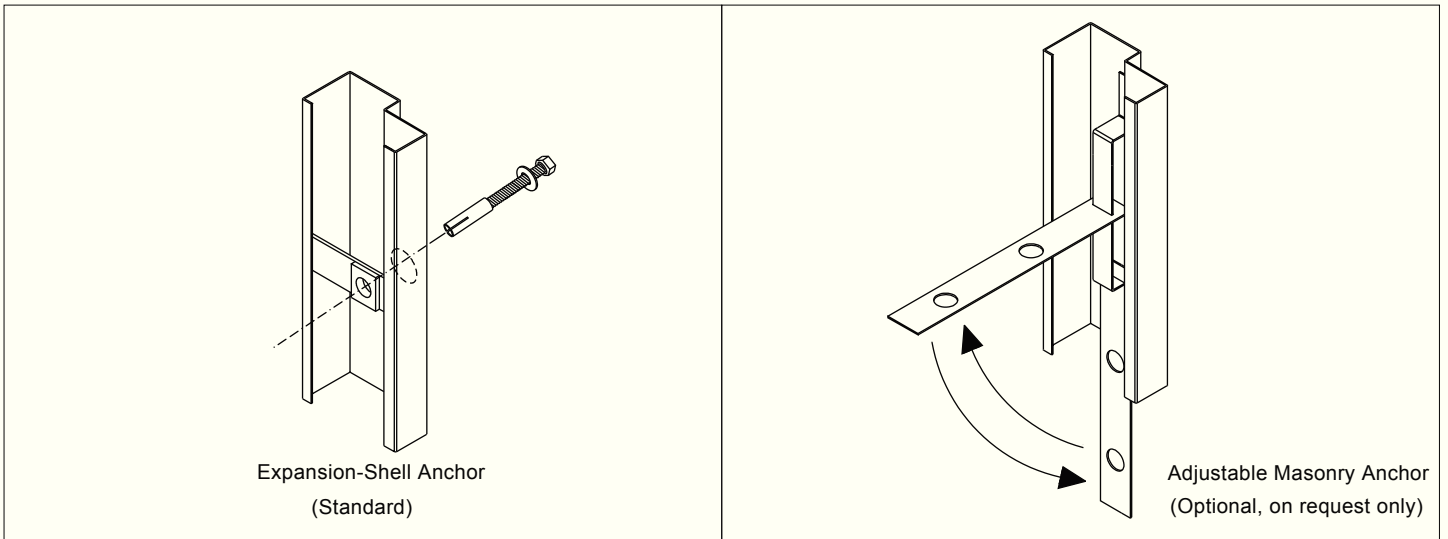
**C** **UL** **US** Fire Door Coordinator, Surface Mounted, 3 Hr Fire Rating, UL 10C  
**LISTED**



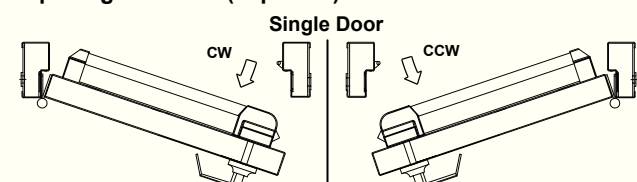
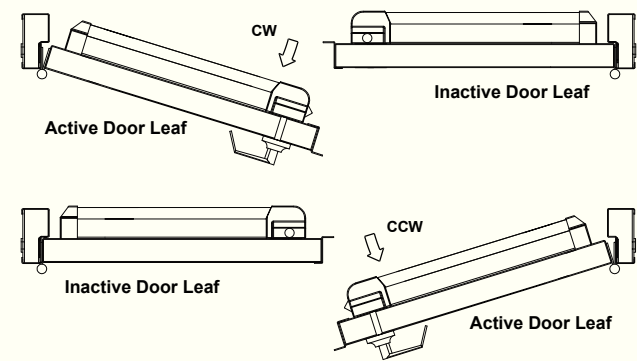
## Door Frame Profiles

 <p>Single Rabbet, without Architrave</p>	 <p>Single Rabbet, with Architrave at Pull Side</p>	 <p>Single Rabbet, with Architrave at Push Side</p>	 <p>Double Rabbet, without Architrave</p>	 <p>Double Rabbet, with Architrave at Pull Side</p>	 <p>Double Rabbet, with Architrave at Push Side</p>
--	--	--	--	---	--

## Anchor Types



## How to Order XXX-X XX X-XX-XX

<b>Door Model :-</b> FRD = Fire Steel Door, 3 Hr Fire Rating, ANSI/UL 10C & CAN ULC-S104	<b>Opening Direction (Top View) :-</b>   CW = Door Leaf (Active Door Leaf in case of Double Door) is opened to ClockWise direction CCW = Door Leaf (Active Door Leaf in case of Double Door) is opened to CounterClockWise direction
<b>Door Type :-</b> S = Single Door D = Double Door	
<b>Door Style :-</b> 00 = Flush FG = Flush with Fire Rated Glass & Frames, 3 Hr Fire Rating, UL 10C EB = Embossed	
<b>Finish :-</b> P = Powder W = Wood Grain	
<b>Size :-</b> Width x Height = Outer Width of door frame x Outer Height of door frame (Height from finished floor level to top of the door frame)	
<b>Example : FRD-DFGP-1500x2100-CCW</b> = Fire Steel Door, 3 Hr Fire Rating, ANSI/UL 10C & CAN ULC-S104, Double Door, Flush Style with Fire Rated Glass & Frames, 3 Hr Fire Rating, UL 10C, Powder Finish, Outer Width 1500 mm x Outer Height 2100 mm, Active Door Leaf is opened to CounterClockWise direction.	

# Certificates

## CERTIFICATE OF COMPLIANCE

Certificate Number 20150210-R25577  
Report Reference R25577-20150129  
Issue Date 2015-FEBRUARY-10

Issued to: PCJ INDUSTRIES CO LTD  
199/24-25 VIBHAVADEERANGSIT RD  
SAMSENNAI  
PAYATHAI 10400 THAILAND

This is to certify that representative samples of SWINGING TYPE FIRE DOORS, POSITIVE PRESSURE TESTED ; SWINGING TYPE FIRE DOORS  
Model FRD, swinging-type fire door assembly of the hollow metal type with Max 100 sq in. glazing material, 3 Hr rating.

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: ANSI/UL 10B - Fire Tests of Door Assemblies  
ANSI/UL 10C - Positive Pressure Fire Tests Of Door Assemblies  
CAN/ULC-S104 - Standard Method for Fire Tests of Door Assemblies

Additional Information: See the UL Online Certifications Directory at [www.ul.com/database](http://www.ul.com/database) for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.

*B. Mahesh*

Bruce Maheshwari, Assistant Chief Engineer, Global Inspection and Field Services

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GSYX.R25577 - Swinging-type Fire Doors

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ONLINE CERTIFICATIONS DIRECTORY

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GSYX.R25577  
Swinging-type Fire Doors

Swinging-type Fire Doors

See General Information for Swinging-type Fire Doors

PCJ INDUSTRIES CO LTD  
199/24-25 VIBHAVADEERANGSIT RD  
SAMSENNAI  
PAYATHAI, BANGKOK 10400 THAILAND

R25577

Swinging doors may be provided as follows:

Max Rating	Opening Type	Hollow Metal Type Steel Stiffened	Steel Covered Composite Type Door
3 Hr	Single/Single Point Lock or Fire Exit Hardware	X	—
3 Hr	Single/Mortise Single Point Lock or Mortise/Rim Fire Exit Hardware	X	—
3 Hr	Pair With Astragal/Mortise Single Point Lock/Flush Bolts	X	—
3 Hr	Pair With Astragal/Mortise/Vertical Rod or Flush Bolts Fire Exit Hardware	X	—
3 Hr	Pair With Astragal/ Vertical Rod/Vertical Rod Fire Exit Hardware	X	—
3 Hr	Single or Pair With Astragal/Single Point Lock or Rim Fire Exit Hardware With Max 100 sq in. of Glazing Material	X	—

Trademark and/or Tradename:

Last Updated on 2015-03-02

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## CERTIFICATE OF COMPLIANCE

Certificate Number 20150129-R25758  
Report Reference R25758-20150129  
Issue Date 2015-JANUARY-29

Issued to: PCJ INDUSTRIES CO LTD  
199/24-25 VIBHAVADEERANGSIT RD  
SAMSENNAI  
PAYATHAI 10400 THAILAND

This is to certify that representative samples of FIRE DOOR AND WINDOW FRAMES  
The single-unit type, pressed-steel frames for masonry walls at least 2 inches (50.8 mm) thickness.

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: ANSI/UL 10B - Fire Tests of Door Assemblies  
ANSI/UL10C - Positive Pressure Fire Tests Of Door Assemblies  
CAN/ULC-S104 - Standard Method for Fire Tests of Door Assemblies

Additional Information: See the UL Online Certifications Directory at [www.ul.com/database](http://www.ul.com/database) for additional information

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*B. Mahesh*

Bruce Maheshwari, Assistant Chief Engineer, Global Inspection and Field Services

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GVTV.R25758 - Fire Door and Fire Window Frames

ONLINE CERTIFICATIONS DIRECTORY

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GVTV.R25758  
Fire Door and Fire Window Frames

Fire Door and Fire Window Frames

See General Information for Fire Door and Fire Window Frames

PCJ INDUSTRIES CO LTD  
199/24-25 VIBHAVADEERANGSIT RD  
SAMSENNAI  
PAYATHAI, BANGKOK 10400 THAILAND

R25758

Door Frames for use as a component in fire door assemblies that meet the requirements of UL 10C, (positive pressure):

Three-sided or four-sided steel frame with transoms (welded, single swing, knockdown, pairs). These frames are also suitable for use in smoke door applications when used with Classified Swinging Type Fire Doors, Positive Pressure Tested (CS2N) 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.

Three-sided or four-sided steel frames without transom bars (single swing, pairs).

Steel frames with lights, Requires Glazing Materials Classified as components in fire door assemblies complying with UL 10C, See Glazing Materials (KCWZ) for a list of glazing materials. These frames are also suitable for use in smoke door applications when used with Classified Swinging Type Fire Doors, Positive Pressure Tested (CS2N) 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. These frames are also suitable for use in smoke door applications when used with Classified Swinging Type Fire Doors, Positive Pressure Tested (CS2N) 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.

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

Three or four-sided sided frames with transom bars (single swing, welded, knockdown, pairs).

Three-sided or four-sided steel frames without transom bars (single swing, pairs).

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

Transom panel frames with transom bars. For use with Listed transom panels.

Trademark and/or Tradename:

Last Updated on 2015-02-12

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We, **PCJ INDUSTRIES CO.,LTD.**, was established in 1998, specialize in production of Fire Steel Doors, Fire Dampers, Other Dampers, Duct Silencers, Acoustic Louvers, and Air Outlets. Most of our products have been certified by several organizations for standardization, i.e. : Underwriters Laboratories, British Standards Institution, Standards Australia, Air Diffusion Council, Thai Industrial Standards Institute. Moreover, our company has been certified by International Organization for Standardization, ISO 9001 : 2008 as well.



We have our own factory established on our own land, area 40,000 sq.m.(approx.), in Kaengkhroi, Saraburi, Thailand. Our Policy has always been, and will continue to be, the production and On Time-Every Time Schedule Delivery of Quality, Reliability and Competitively Priced Products. We have invested in instruments, machines, and we have experienced engineer teams take full time to research and develop our product lines continuously, including new product designs to meet worldwide market demands.

Our products have been distributed to many countries worldwide :-



and will be distributed to a lot more countries in the future.



**PCJ INDUSTRIES CO.,LTD.**  
พีซีเจ อุตสาหกรรม บจก.

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Tel : +66 2 2701938, +66 2 2781604, +66 2 2790859, +66 2 2794166, +66 2 6160184, +66 2 6160185  
Fax : +66 2 6160071 Email : sales@pcjindustries.co.th Website : www.pcjindustries.co.th

