



A large, three-dimensional graphic of the word "TEBAU" is centered in the upper half of the page. The letters are rendered in a dark, textured material with a fine grid pattern. The "TE" portion is highlighted in a vibrant red color, while the "BAU" portion is black. The letters are set against a dark background with a subtle, light-colored grid pattern, and they cast a soft shadow on the surface below them.

燦通

專業防火門

Fire Rated Door & Frame



通過 CNS 防火門測試

UL 防火門合格廠商 ISO 9001 品質認證 CNS 12681 品質管理系統一要求



APPROVED & VERIFIED BY CNS FIRE RATED DOOR TEST

UL FIRE RATED DOOR CERTIFIED VENDOR



ISO 9001 QUALITY CERTIFIED

CNS 12681 QUALITY MANAGEMENT SYSTEM - REQUIREMENT

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燦通

創辦者的話 *Founder's Words*

燦通企業股份有限公司承襲
民國六十三年創立之厚昌工程企業股份
有限公司技術及理念，在歷經一段艱辛之過程及
全體同仁胼手胝足共同努力下，得以不斷成長、茁壯，
於鋼製防火門的專業領域中，屢創佳績並擁有堅實之市場競爭力。

「專業、嚴謹、創新」是燦通公司創辦以來奉為圭臬之經營理念，
對外堅持專業服務與國際化水準，對內要求產品設計、製造與控管絕對
嚴謹，並不斷創新，提昇產品性能之可塑性，將傳統鋼製門產業逐步推
展與國際化接軌。發展成果品質獲得「ISO-9001品質認證」，亦取得防
火門產品等級CNS及UL防火門認證之殊榮，也因而樹立燦通屹立不搖之
穩健形象。

企業永續經營與否，端賴完整之企業結構與維繫優良品質之專業性，在
此我們仍將秉持一貫專注品質及不斷創新之精神，回饋社會，為燦通之
永續發展奠定良好的基石。

TSAN TUNG ENTERPRISE CO., LTD. inherits the technology and philosophy of HOU CHANG ENGINEERING ENTERPRISE CO., LTD. which was founded since 1974. After a period of hardships and the combined efforts of all colleagues, the company has been able to continue to grow and thrive. In the professional field of fire door manufacturing, it has repeatedly achieved good results and has a solid market competitiveness.

"Professionalism, Rigorousness and Innovation" have been the guiding principles of TSAN TUNG ENTERPRISE since its establishment. We adhere to professional services and international standards to our external clients at the same time we are absolute rigor in our company's product design, manufacturing and control. We continue to innovate to improve the plasticity of product performance. The traditional steel door industry will be gradually promoted and internationalized. The quality of our products received "ISO-9001 Quality Assurance Certification", and we also obtained the honor of CNS and UL fire door grade certification, thus established TSAN TUNG's stable and unwavering image in the fire door industry.

Whether the company can operate continuously or not depends on the integrity of corporate structure and the professionalism in maintaining superb quality. Here in TSAN TUNG, we will continue to uphold the spirit of consistently focusing on quality and continuous innovation, giving back to the society and setting a solid foundation for the sustainable development of TSAN TUNG.

燦通企業——認證防火門研發製造·技術領先品牌

為強化產品性能之安全性、實用性和耐用性，我們投入大量人力、物力致力研究發展，以專業的研發團隊搭配精密儀器和電腦繪圖輔助系統，針對門框、門扇及各項產品之開發製造不斷改良、提升，將產品特性發揮最大效益。

我們除了擁有資訊化、現代化的研發過程，更不斷更新及擴充生產設備，採用高精密度電腦自動機械，提升產製效能，配置合理現代化的生產線，嚴格控管流程，建立鋼製門產品規格化、標準化與國際化，以創造最佳品質產品為主要目的。



In order to strengthen the safety, practicability and durability of product performance, we have devoted a lot of manpower and material resources to research and development. With a professional R&D team that utilizes precision instruments with computer-assisted graphics software focusing on development and manufacture of door frames, door leaves and various products R&D as well as improving and upgrading product development methods to maximize our product characteristics to the fullest.

In addition to having an information-based and modernized R&D process, we also continuously update and expand production equipment, use high-precision computerized automatic machinery to improve production efficiency, improve and configure reasonable and modernize production lines, strictly controlling the production flow and process, and establish standardization of steel doors. The main goal is to create the best quality products in the industry.





防火時效認證防火門專業製造廠

》科技化 / 數位化 / 自動化生產

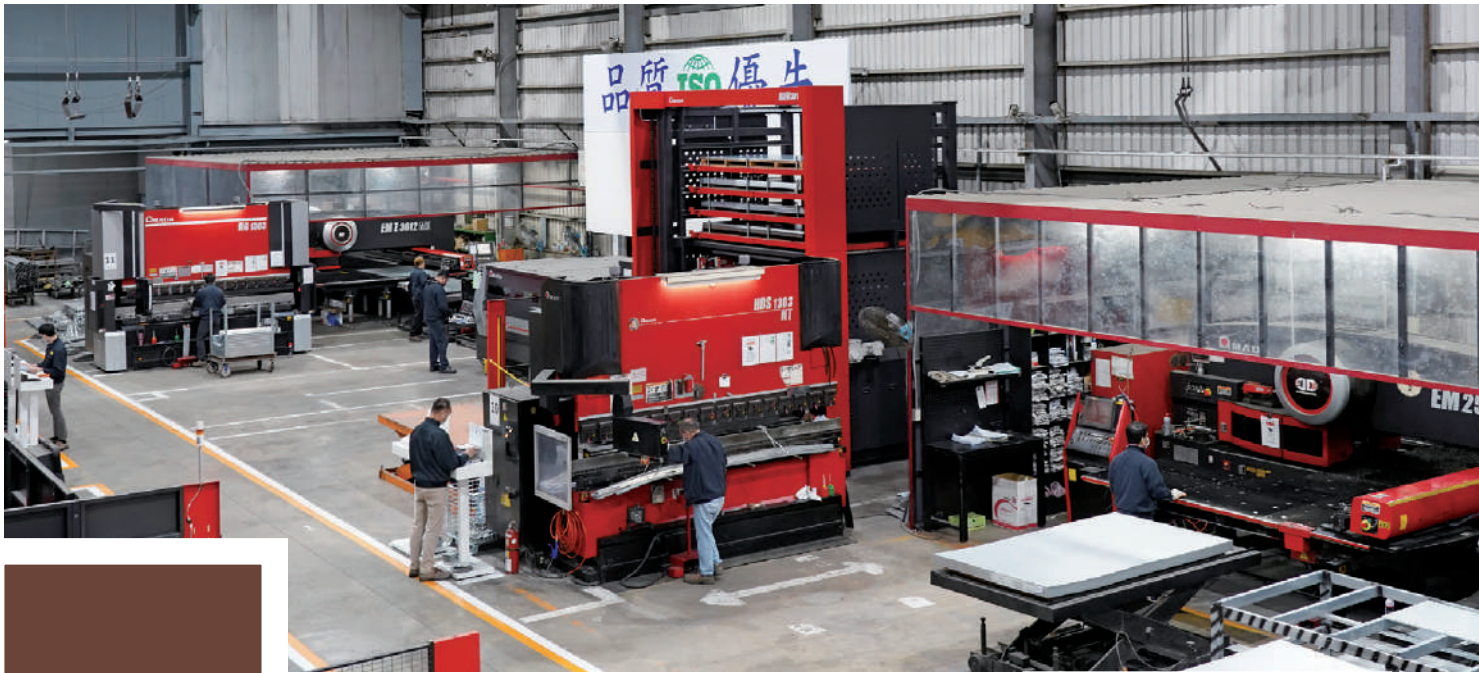
電腦數位化製程，AI 科技生產設備，客製化生產製造高品質鋼製門產品。

》全產品商品二維碼辨識系統

成品標籤商品二維碼，掃描 QRcord 即可獲得製造信息，是防火門產品目前唯一有商品辨識系統的品牌。

》防火門工程全程服務

擁有防火門專業技術研發團隊，高效生產力製造工廠，工程經驗豐富的服務隊伍，提供防火門工程全程服務。

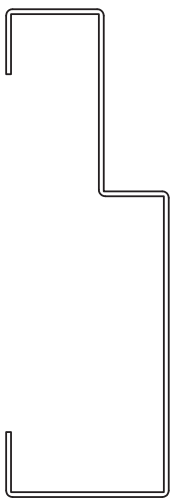


防火門框構造 *Fire Door Frame Structure*

門框形式 *Door Frame Type*

燦通之防火鋼板門框製造工法，皆遵循國家CNS標準及美國SDI-100 – “標準鋼門及門框規範”，門框成型使用日本AMADA全電腦自動沖床沖壓及光纖雷射複合機把鋼板切割成型，門框斜角接合度準確且能滿足各種不同隔間牆之施工介面需求。

TSAN TUNG fire-rated steel door frame manufacturing method compiled with the national CNS standard and American standard SDI-100 – “Specifications for standard steel doors and frames”. The door frame was assembly from a steel sheet which stamped by automatic NCT stamping machine from Japan AMADA and cut by fibre laser combination cutting machine. This assembly method can ensure the bevel of door frame in consistency and accuracy which fulfilled various partition walls construction requirements.



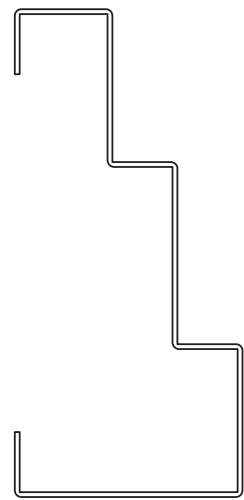
L型門框
L Type Door Frame



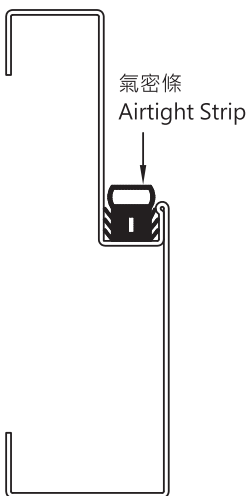
凸型門框
Convex Type Door Frame



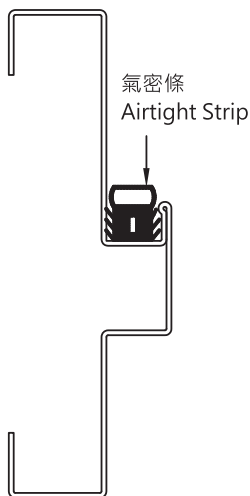
L型高低差門框
L Type Height Difference Door Frame



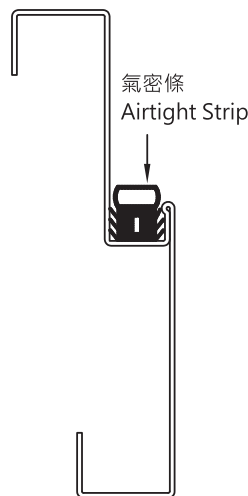
雙向開門框
Two-Way Door Frame



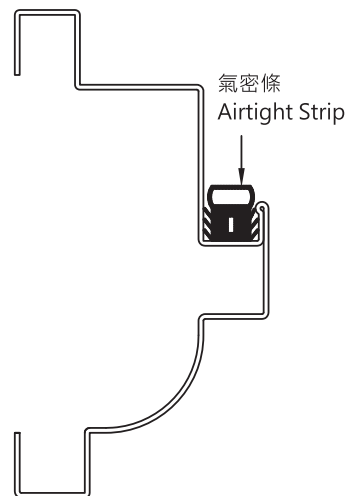
L型氣密門框
L Type Airtight Door Frame



凸型氣密門框
Convex Type Airtight Door Frame



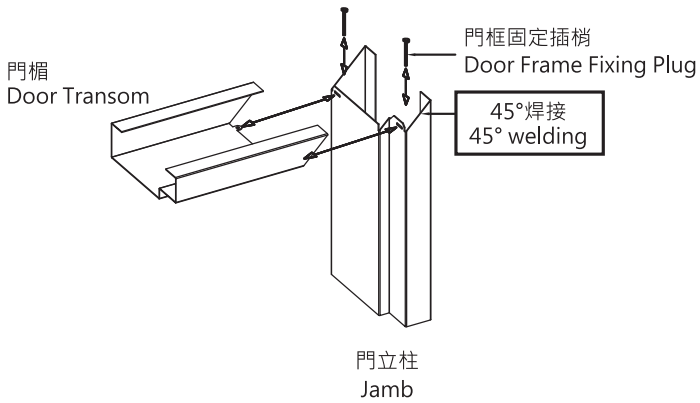
L型高低差氣密門框
L Type Height Difference Airtight Door Frame



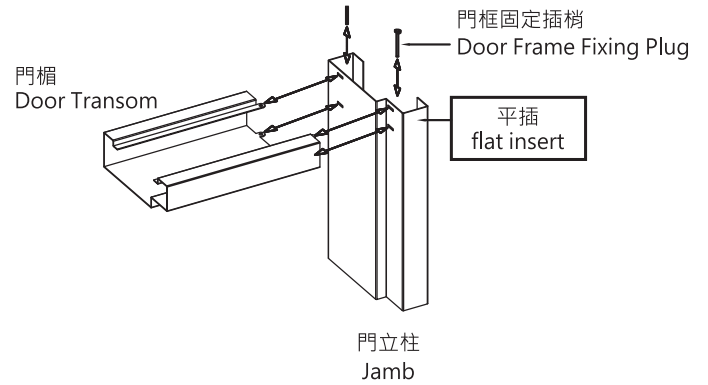
弧型氣密門框
Arc Type Airtight Door Frame

防火門框構造 *Fire Door Frame Structure*

門框組合 *Frame Assembly*

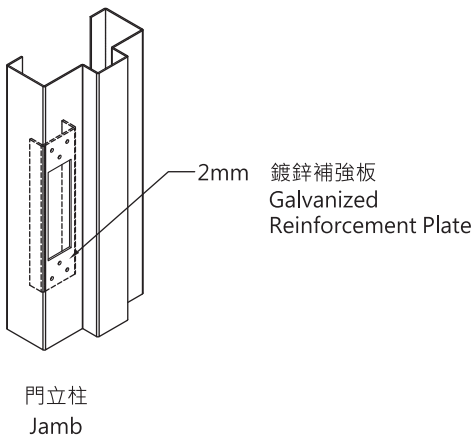


45° 插接組合
45° Pin Combination

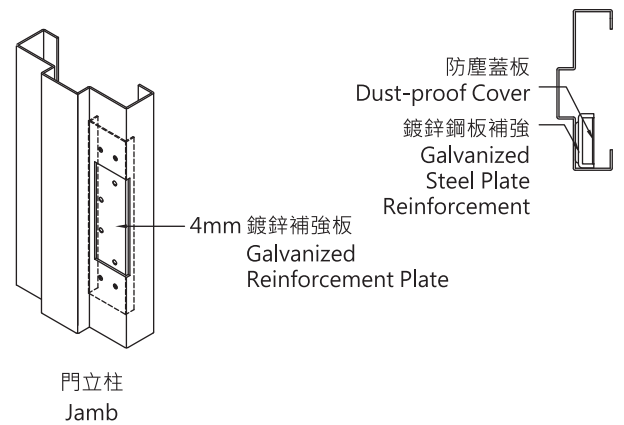


90° 平接組合
90° Butting Combination

門框補強 *Frame Reinforcement*

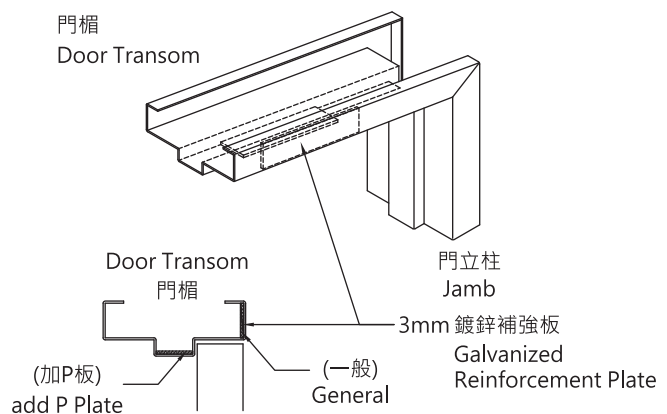


門鎖門框補強
Reinforcement of door lock's
strike plate on door frame



門框鉸鏈補強
Reinforcement plate of
hinge on door frame

門弓器補強
Reinforcement plate of
door closer on door frame



防火門框構造 *Fire Door Frame Structure*

門框固定方式 *Frame Anchors*

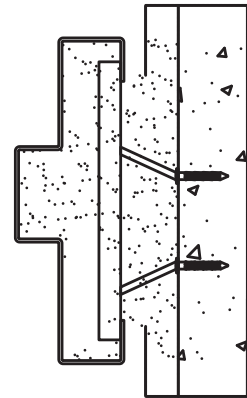
門框固定施作工法，依據鋼板門081110章節規範施作，概分下列三種工法：

The construction method of fixing the door frame, according to the specification in chapter 081110 of the steel plate door, can be divided into the following three construction methods:

A、鋼筋混凝土（磚牆） Reinforced Concrete wall (Brick Wall)

門框組立時依據工作場所門框預留孔一米高程及出入線，將門框水平垂直預立於牆面，每隔60CM以固定片電焊固定。

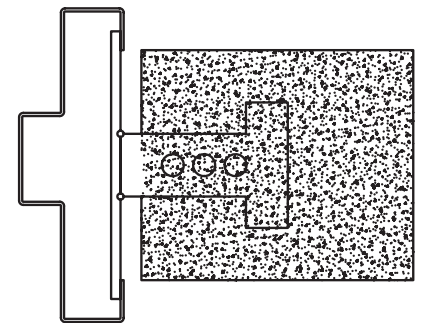
When the door frame is assembled, it is made according to the one-meter elevation of the door frame and the access line reserved at the workshop, the door frame erect against the wall and level, and fixing the frame with a metal plate by welding at every 60 cm in distance.



B、空心磚牆 Hollow Brick Wall

空心磚牆組立施作時，需將預埋鐵件植入空心磚牆內，間距約60CM一處，再以電焊固定。

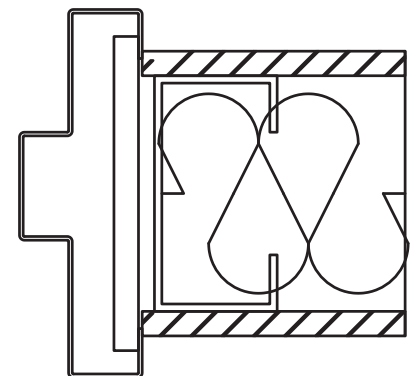
When the hollow brick wall is being assembled, it is necessary to embed the metal/ iron into the hollow brick wall at a distance of about 60 cm between each piece, and then stabilize it by electric welding.



C、輕隔間牆 Light Partition Wall (Dry Wall)

輕隔間牆骨料組立後於門框預留孔處加料補強，門框組立時依據工作場所門框預留孔一米高程及出入線，水平垂直預立於牆面後用電焊將門框焊接於輕隔間補強骨料處。

After the light partition wall aggregates are assembled, add reinforcement materials to the reserved holes for the door frame. The door frame is assembled according to the reserved one-meter high holes and access line on the door frame measured at the workplace. The door frame is welded horizontally and vertically on the wall, and then the door frame is welded to the light compartment reinforced aggregate.



防火門框構造 *Fire Door Frame Structure*

防火鋼板門用中柱 *Mullion*

防火鋼板門依建築物安全防火區劃要求，除需達成火警狀況中防火阻隔功能外，亦要符合火警狀況中人員緊急疏散之安全要求。因此，燦通企業依據美國國家標準協會 (ANSI) 防火規範A250.7 章節，設計製造防火鋼板門用中柱。

In accordance with the requirements of building safety fire protection zoning, fire-resistant steel doors not only need to achieve the fire barrier function in fire disaster situations, but also meet the safety requirements for emergency evacuation of personnel in fire disaster situations. Therefore, TSAN TUNG designs and manufactures fireproof steel door mullion according to the (ANSI) Fire Code A250.7.

配置場所 Configuration Place :

逃生主動線之雙開防火鋼板門
Double fire rated steel door for escape active line

功能敘述 Function Description :

固定式中柱 Fixed Mullion

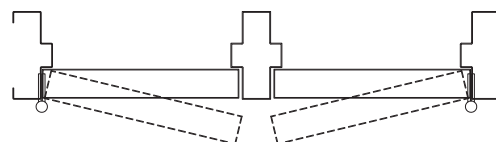
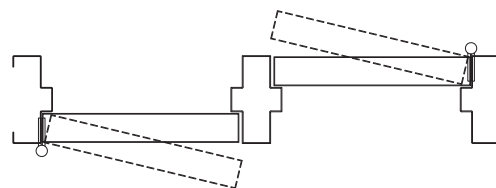
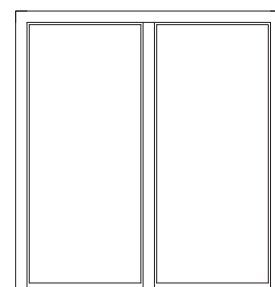
增強大型雙開鋼板門之防火結構，達成安全防火區劃之防火牆角色。

Strengthen the fireproof structure of the large double-opening steel door to achieve the role of a firewall for safe fire protection.

拆卸式中柱 Removable Mullion

除有固定式中柱之優點亦能迅速拆卸，以因應火警狀況中大量人員疏散安全要求。

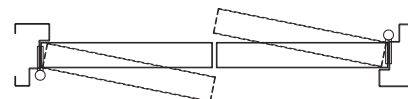
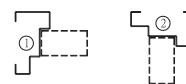
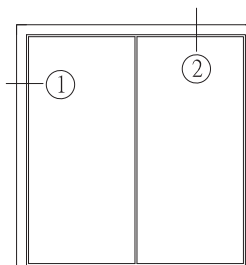
In addition to the advantages of a fixed mullion, it can also be quickly disassembled to meet the safety requirements for the evacuation of a large number of people in a fire disaster situation.



雙向型鋼板門 *Double Egress Doors*

雙向型防火鋼板門為美國NFPA80制式門型，主要規劃處所為兩者大型空間主聯絡通道上，本型防火鋼板門最大特色是門扇雙向開啟作業，平時保持常開狀態，遇火警狀況門扇自動閉合型成防火區劃功能要求，並允許人員雙向通行。

The two-way fireproof steel door is the American NFPA80 standard door. The main planning location is on the main communication channel of the two large spaces. The most important feature of this type of fire-resistant steel door is that the door leaf is opened in both directions. Form the functional requirements for fire zoning and allow people to pass in both directions.



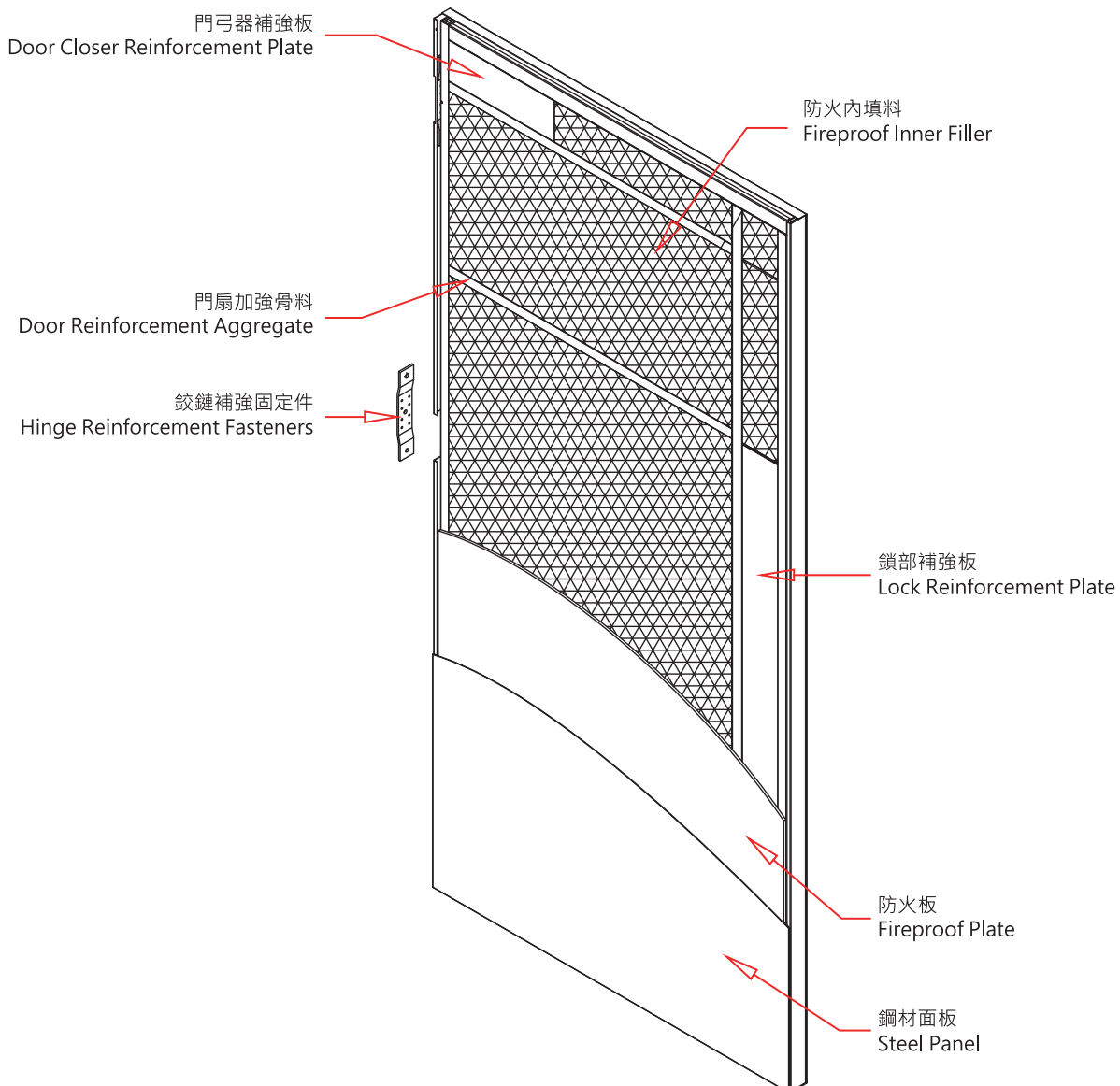
防火門扇構造 *Fire Door Structure*

為達防火時效性能要求之防火門構造，於門框、門扇製造時因應防火性能之等級區分而有內骨架補強及構造工法等多種設計組合方式，並需依規範指定標準檢附耐火實驗合格報告或防火認證，證明防火時效。燦通公司精心研發製造之防火門，以特殊結構設計，具耐火性、安全防火通過美國UL實驗室測試3小時防火試驗，並取得UL防火門認證。

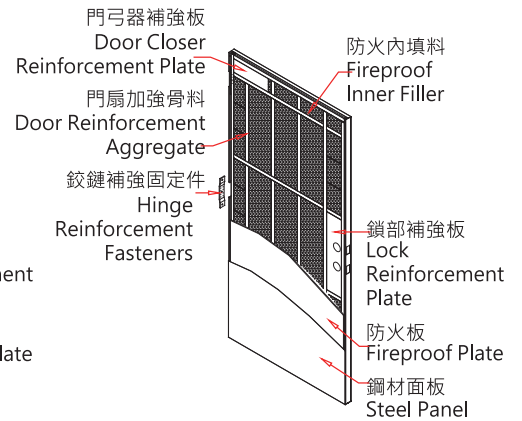
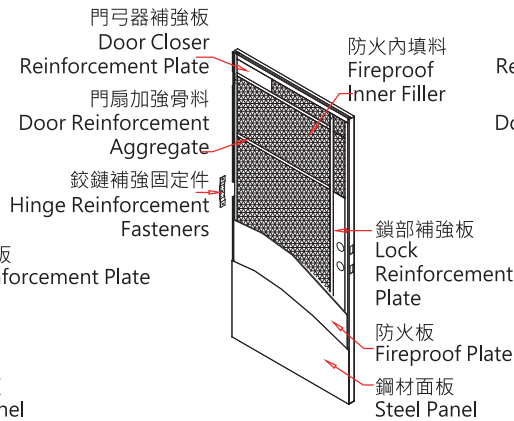
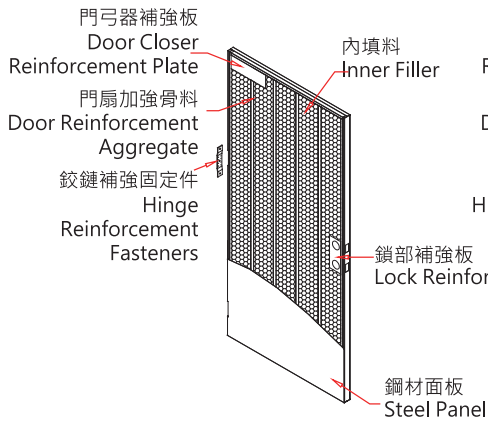
In order to meet the requirements of fire-resistant aging performance, the fabrication of door frame and door leaf will have various design combinations according to the fire performance of the door. There will have different inner channel reinforcement (quantity and size) and construction method during the fabrication.

It must also meets the specification in the fire resistance test qualification report or Fire certification, which certifies fire aging. The fire doors are carefully developed and manufactured by TSAN TUNG. Our company thoughtfully designed our fire door products with special design structure which enhanced fire resistance and improved safety. It has passed the 3-hour fire test conducted in the UL laboratory in the United States and received the UL fire door certification.

標準門扇剖面圖 *Standard Door Leaf Sectional View*



防火門扇構造 Fire Door Structure



鋼製門 Steel Door

- 符合CNS7184標準製造
Manufactured in accordance with CNS7184 standard
- 內填防火材
Internally filled with fireproof material
- 內骨架及五金加強補強
Reinforcement of the inner channel and hardware
- 廠內預沖孔、塗裝
Factory pre-punching, painting

60A 防火門 60A Fire-Proof Door

- CNS認證防火門
CNS certified fire door
- 符合CNS7184標準製造
Manufactured in accordance with CNS7184 standard
- 內填防火材
Internally filled with fireproof material
- 耐火試驗合格
Passed fire resistance test
- 內骨架及五金加強補強
五金配置需經防火試驗
Reinforcement of the inner channel and hardware
Hardware configuration subject to fire test
- 廠內預沖孔、塗裝
Factory pre-punching, painting

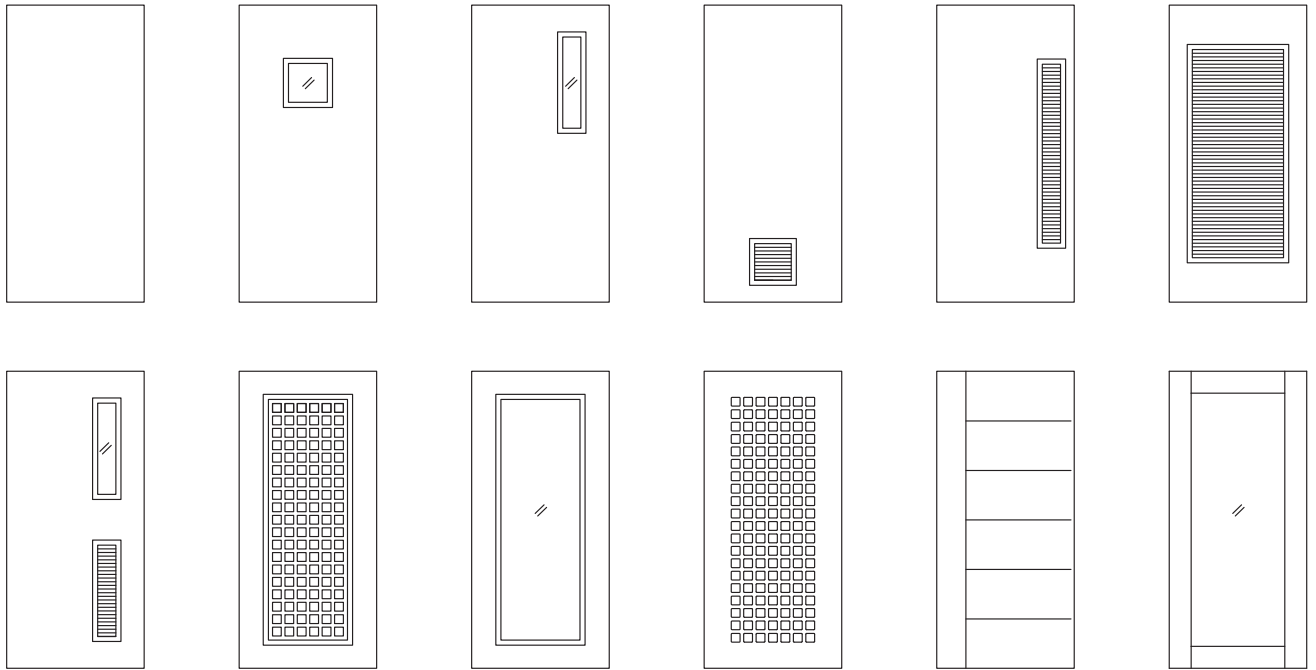
UL10C 防火門 UL10C Fire-Proof Door

- UL認證防火門
UL certified fire door
- 通過UL檢測防火時效10C 2H/10B 3H
Passed the UL test fire aging 10C 2H/10B 3H
- 依規範標準加強補強
Strengthen reinforcement according to the standard
- 五金配置需符合UL規定
Hardware configuration must meet the UL regulations
- 廠內預沖孔、塗裝
Factory pre-punching, painting

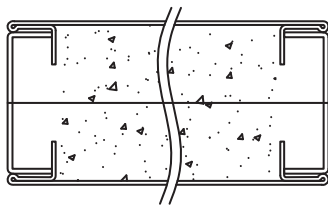
標準型式 Standard Type	F2000G	F2000CNS	F2000UL
門扇厚度 Door leaf thickness	38mm or 45mm	45mm ~ 56mm	45mm~54mm
門扇內骨架 Inner channel of the door leaf	1.2mm 以上 more than 1.2mm	依試燒 according to the fire test	依試燒 according to the fire test
鉸鏈補強 Hinge reinforcement	3mm 以上 more than 3mm	3mm 以上 more than 3mm	3mm 以上 more than 3mm
門弓器補強 Door Closer reinforcement	3mm 以上 more than 3mm	3mm 以上 more than 3mm	3mm 以上 more than 3mm
鎖盒補強 Lock box reinforcement	1.6mm 以上 more than 1.6mm	1.6mm 以上 more than 1.6mm	1.6mm 以上 more than 1.6mm
內充填 Fillings	玻璃纖維棉 Fiber glass wool	防火材 Fireproof material	防火材 Fireproof material
扇面鋼板 Leaf face steel sheet	1.2mm~2.0mm	1.2mm~2.0mm	1.2mm or 1.6mm
一般規格 General Specifications	60x120~150x300(單) single 130x250~300x300(雙) double	60x120~150x300(單) single 140x300~300x300(雙) double	MAX 120x250(單) single MAX 250x250(雙) double
鋼板材質 Steel sheet material	符合 CNS1244.8499.10568 or ASTM A366.A653 Comply with CNS1244.8499.10568 or ASTM A366.A653		
表面處理 Surface treatment	依規定為靜電粉體塗裝、液體塗裝或不鏽鋼毛絲面/蝕花處理來處理門框及門扇表面 According to the regulations, Electrostatic powder coating, liquid coating or stainless steel hairline surface/etching treatment were used for the door frame and leaf surface finish.		
防火認證 Anti-Fire certification		CNS 標準 CNS Standard	UL Label 3hr/2hr/1.5hr/0.75hr

防火門扇構造 Fire Door Structure

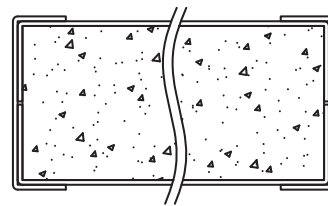
門扇式樣 Option & Style



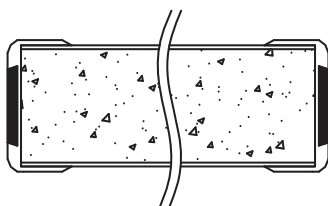
門扇封邊型式 Door Leaf Edge Covering Type



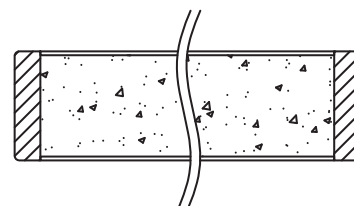
T型封邊
T-shaped edge covering



槽型封邊
Groove edge covering

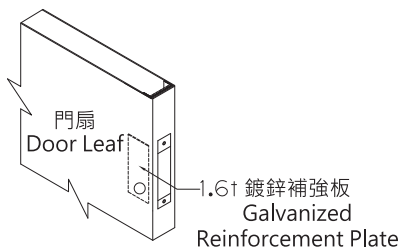


鋁飾條封邊
Aluminum trim edge covering

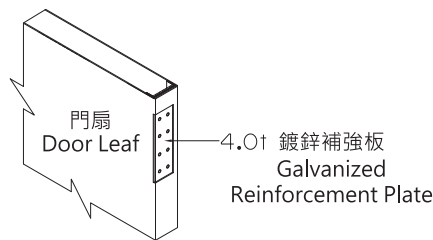


木飾條封邊
Wood Trim edge covering

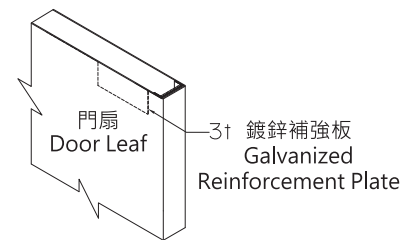
門扇補強 Door Leaf Reinforcement



門鎖門扇補強圖
Door Leaf Reinforcement Diagram
of Door Lock



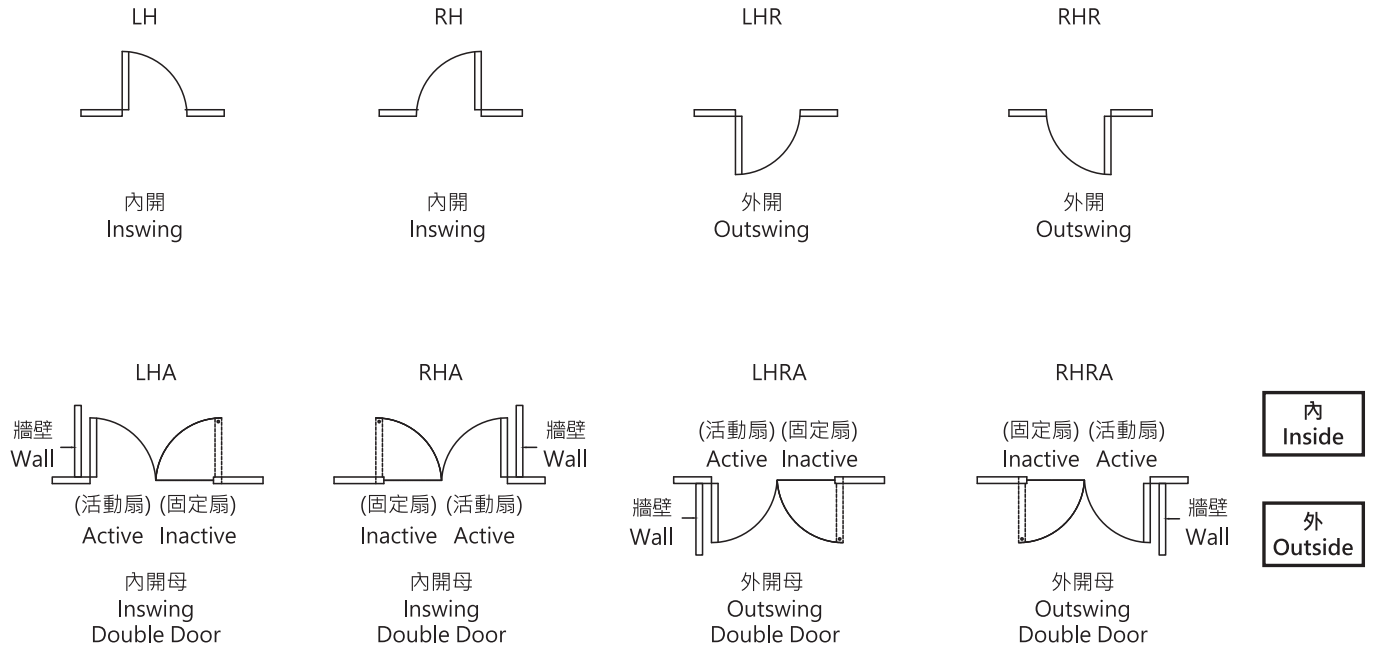
鉸鏈門扇補強圖
Door Leaf Reinforcement Diagram
of Door Hinge



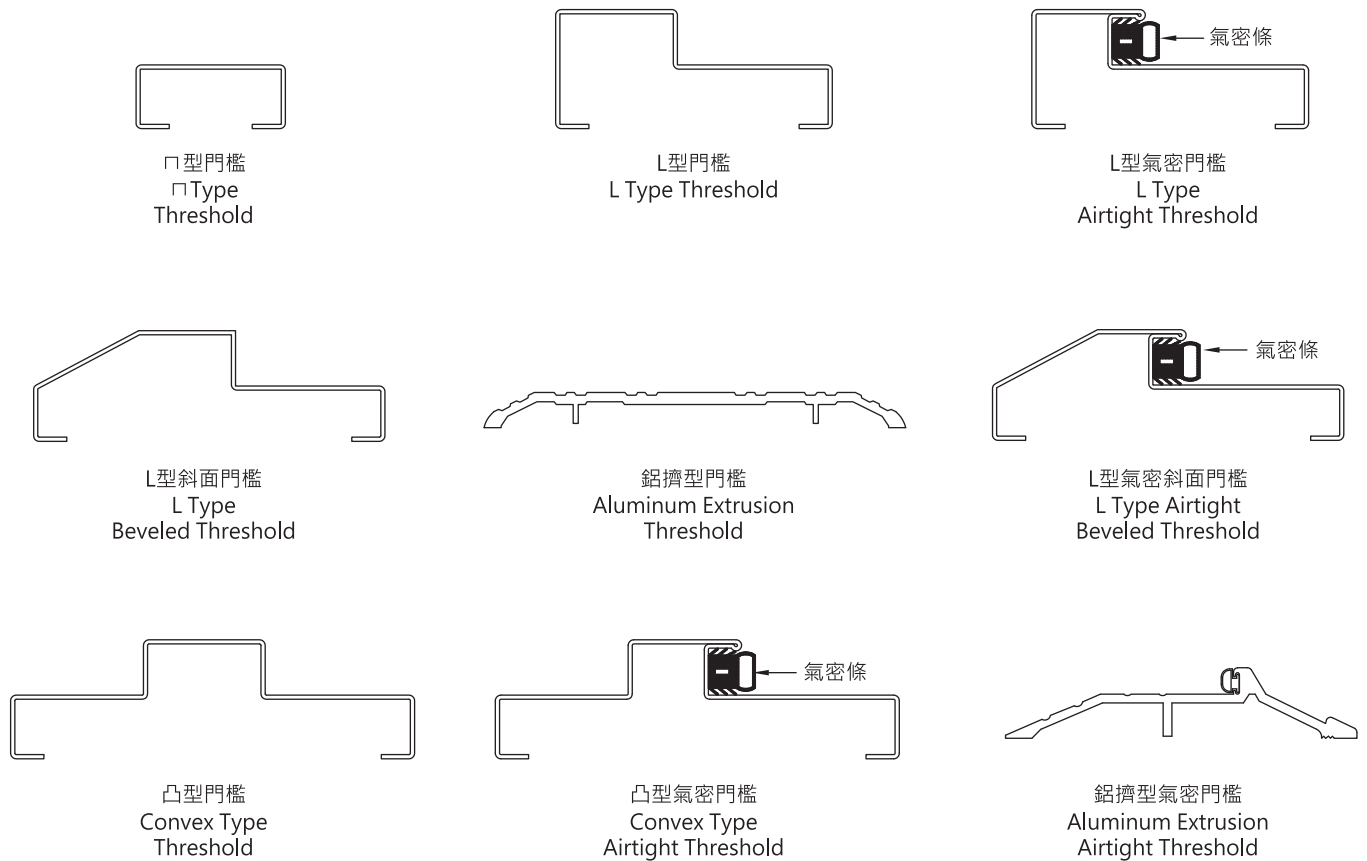
門弓器門扇補強圖
Door Leaf Reinforcement Diagram
of Door Closer

防火門扇構造 Fire Door Structure

開向示意圖 Door Swing Diagram



門檻 Threshold



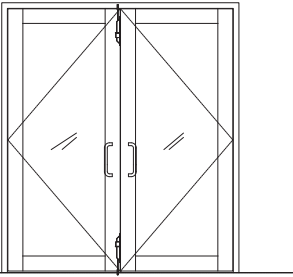
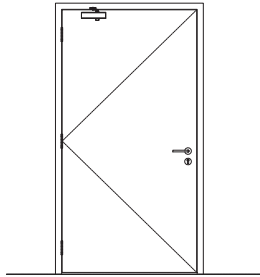
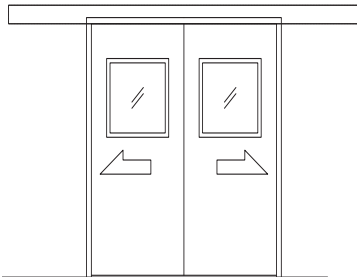
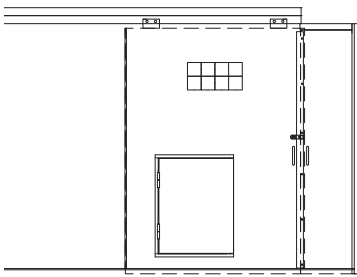
門樑應用配置 *Door Application Configuration*

編號 Numbering scheme	1	2	3
圖形 Graphic			
名稱 Name	單 (雙) 扇防火門 Single/Double Door Fire-Rated Door	單扇房間門 Single Room Door	單扇木質防火門 Single Timber door Fire-Rated Door
門扇型式 Door Leaf Type	平面 / 視窗 Flush Type/with vision panel	平面 / 視窗 Flush Type/with vision panel	平面 / 視窗 Flush Type/with vision panel
門扇功能 Door Leaf Function	常閉式 Normal Close	常閉式 Normal Close	常閉式 Normal Close
適用場所 Applicable place	機房 / 梯廳 / 大型活動空間 Machine room/ Staircase Large event space	病房 / 辦公室 hospital ward/Office	辦公室 / 房間 Office/ Room
鉸鏈 Hinge	四培林蝴蝶鉸鏈 Four Ball Bearing Butterfly Hinge	四培林蝴蝶鉸鏈 Four Ball Bearing Butterfly Hinge	四培林蝴蝶鉸鏈 Four Ball Bearing Butterfly Hinge
門鎖 Door lock	平推鎖 / 匣式水平鎖 Mortise Locks	智慧電子鎖 / 匣式水平鎖 Smart electric Mortise lock/ Mortise Locks	智慧電子鎖 / 匣式水平鎖 Smart electric Mortise lock/ Mortise Locks
門弓器 Door Closer	外露式門弓器 Overhead Door Closer	外露式門弓器 Overhead Door Closer	外露式門弓器 Overhead Door Closer
其他 Other			
防火性能 Fire-resistant performance	60A	60A	60A

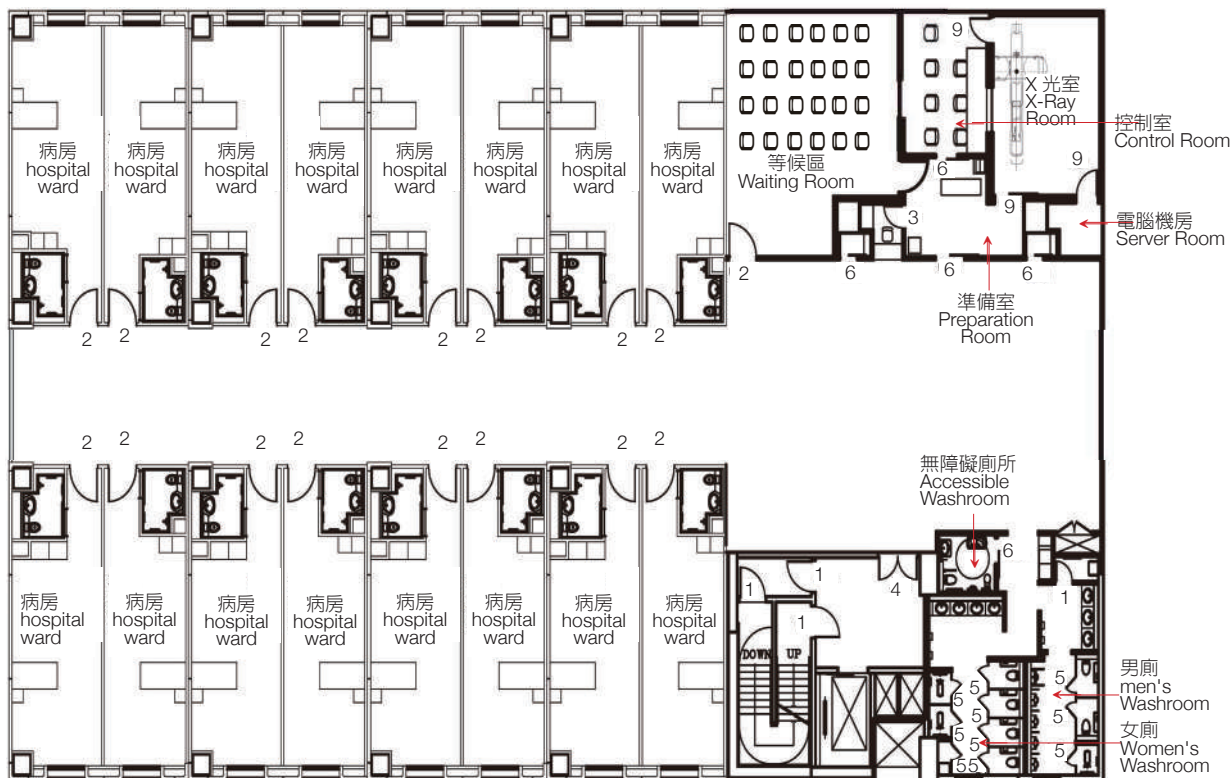
廠房 *Factory*



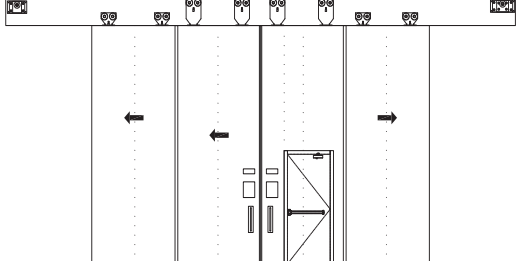
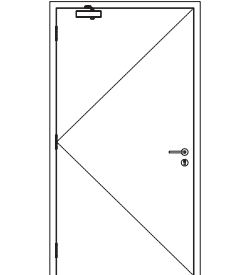
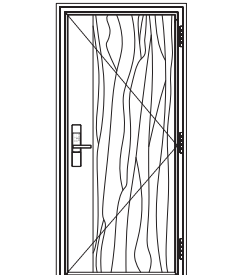
門樑應用配置 Door Application Configuration

4	5	6	7
			
雙扇防火玻璃門 Double Glazed Door Fire-Rated Door	浴廁門 Bathroom door	單(雙)防火橫拉門 Single/Double Sliding Door Fire-Rated Sliding Door	受電室橫拉門 Electrical Room Sliding Door
玻璃門 Flush Glazed Type	平面 / 視窗 Flush Type/with vision panel	平面 / 視窗 Flush Type/with vision pane	依台電規範 According to Taiwan Power Company Specification
常閉式 / 常開 Normal Open/Close	常閉式 Normal Close	常閉式 Normal Close	常閉式 Normal Close
梯廳 / 辦公室 Staircase/ Office	浴廁 / 茶水間 Washroom, pantry room	入口大門 / 無障礙空間 Entrance Door/ Barrier Free Space	台電受電室 Taiwan Power Company Electrical Room
地鉸鏈 Floor Hinge	四培林蝴蝶鉸鏈 Four Ball Bearing Butterfly Hinge	自動橫拉門機 Automatic Sliding Door System	依台電規範 According to Taiwan Power Company Specification
輔助鎖 Auxiliary Lock	分離式浴廁指示鎖 Dry/Wet Bathroom and Toilet Privacy Lock with Indicator	馬達磁力鎖 Motorized Magnetic lock	依台電規範 According to Taiwan Power Company Specification
不鏽鋼大把手 Stainless Steel Handle	外露式門弓器 Overhead Door Close	感應開關 / 安全光線 Sensor Switch/Safety Sensor	
60A		60A	60A

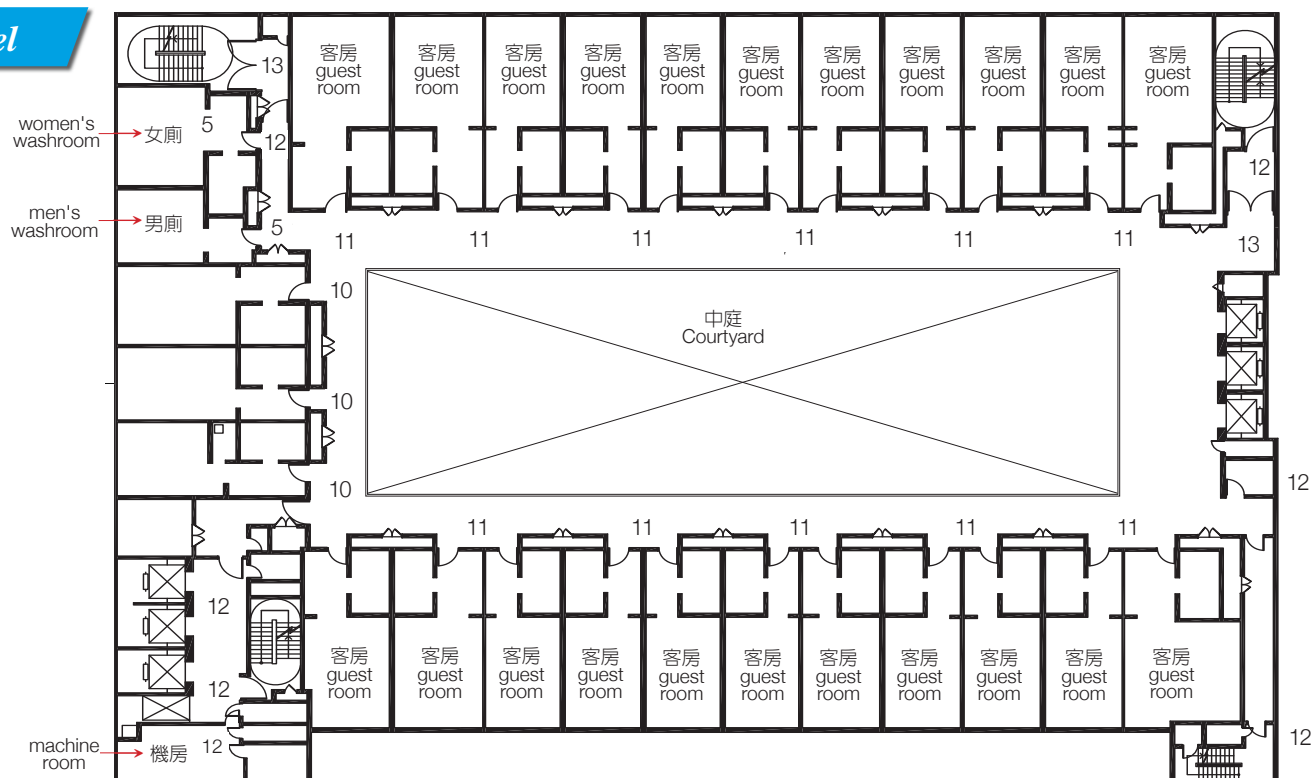
醫院 Hospital



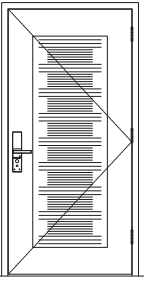
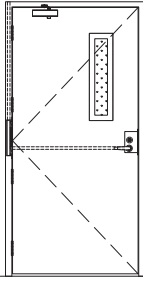
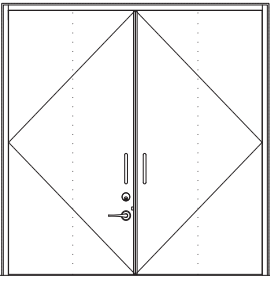
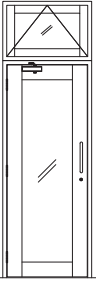
門樑應用配置 *Door Application Configuration*

8	9	10
		
<p>四扇雙向防火橫拉門 Four Leafs Two-Way Sliding Door Fire-Rated Sliding Door</p>	<p>單扇鉛板門 Single lead door</p>	<p>單(雙)鑄鋁防火門 Single/Double Aluminum Casting Fire-Rated Door</p>
<p>平面 Flush Type</p>	<p>平面 Flush Type</p>	<p>平面 Flush Type</p>
<p>常閉式 Normal Close</p>	<p>常閉式 Normal Close</p>	<p>常閉式 Normal Close</p>
<p>隧道 Tunnel</p>	<p>X光室 X-Ray Room</p>	<p>住家大門 / 旅館房間 House door/Hotel room</p>
<p>四培林蝴蝶鉸鏈(小門) 自動橫拉門機(大門) Four Ball Bearing Butterfly Hinge (Small door) Automatic Sliding Door System (Large Door)</p>	<p>重型蝴蝶鉸鏈 Heavy Duty Butterfly Hinge</p>	<p>重型蝴蝶鉸鏈 Heavy Duty Butterfly hinge</p>
<p>平推鎖(小門) 抹刀把手(大門) Fire Exit Device (Small door) Spatulas Handle (Large door)</p>	<p>抗放射線鎖 Radioresistant Lock</p>	<p>智慧電子鎖 / 重型匣式水平鎖 Smart electric Mortise lock/Heavy Duty Mortise Lock</p>
<p>安全光線 Safety Sensor</p>	<p>重型外露式門弓器 Heavy Duty Overhead Door Closer</p>	
<p>120B/60A</p>	<p>門禁系統 Access Control System</p>	<p>60A</p>

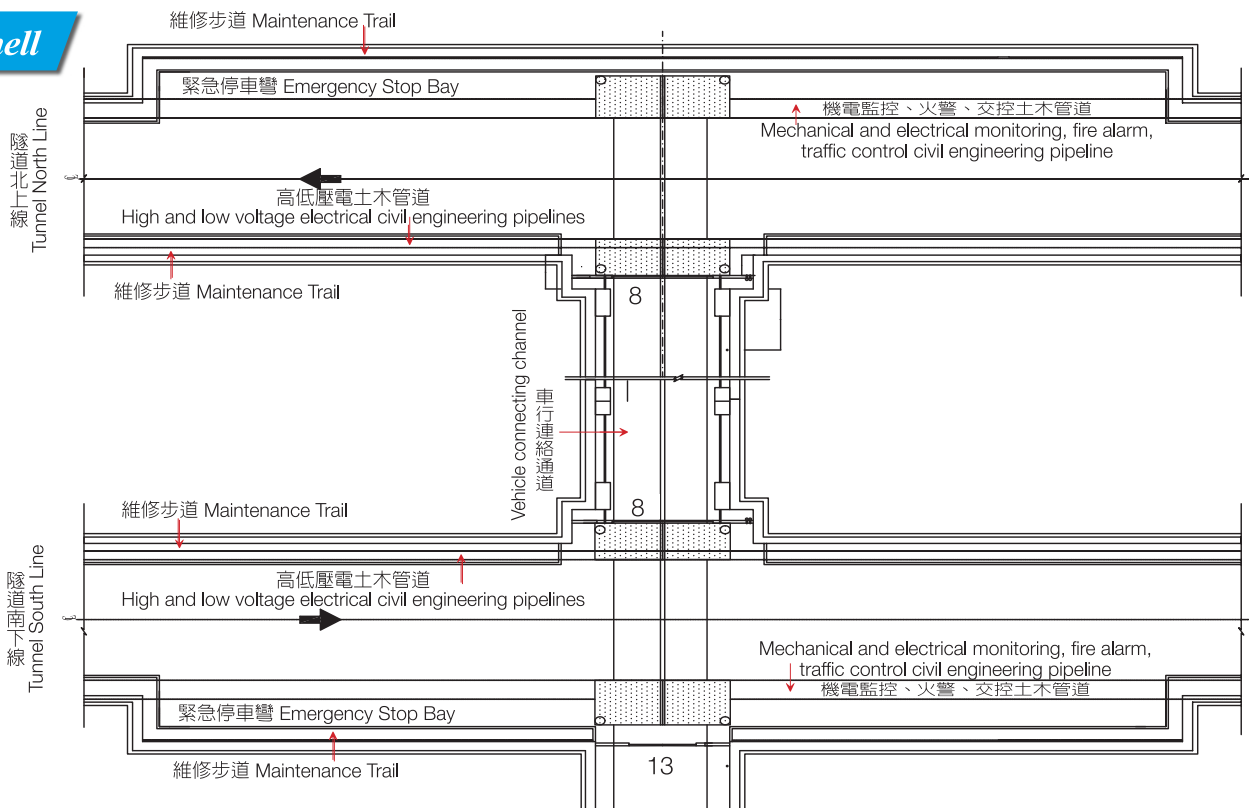
旅館 *Hotel*



門樑應用配置 Door Application Configuration

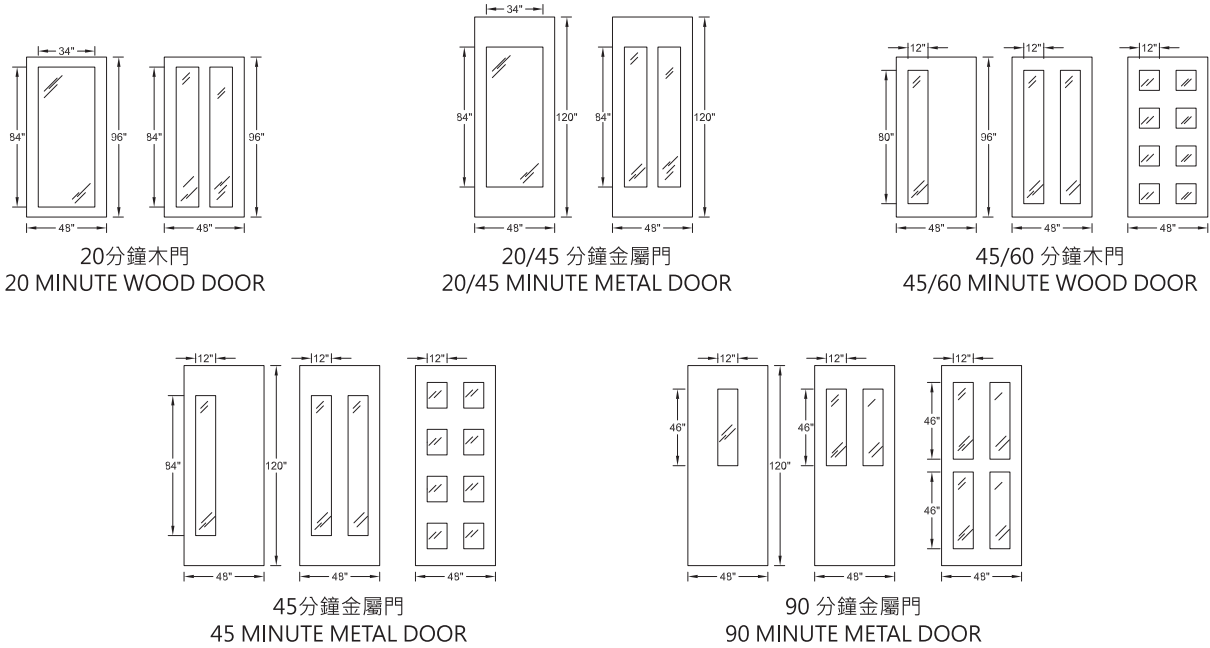
11	12	13	14
			
雙面壓花防火門 Double Embossment Fire-Rated Door	單(雙)扇 UL 防火門 Single/Double UL Fire-Rated Door	雙扇防火門 Double Fire-Rated Door	玻璃門 + 開天推射窗 Glazed Door+Awning Window
平面 Flush Type	平面 / 視窗 Flush Type/with vision panel	平面 Flush Type	玻璃門 Flush Glazed Type
常閉式 Normal Close	常閉式 Normal Close	常閉式 Normal Close	常閉式 Normal Close
住家大門 / 旅館房間 House door/ Hotel room	機房 / 梯廳 / 大型活動空間 Plant Room/Staircase Large event space	隧道 Tunnel	辦公室 Office
四培林蝴蝶鉸鏈 Four Ball Bearing Butterfly Hinge	四培林蝴蝶鉸鏈 Four Ball Bearing Butterfly Hinge	重型蝴蝶鉸鏈 Heavy Duty Butterfly hinge	推射窗五金 (推射窗) 四培林蝴蝶鉸鏈 Awning Window Hardware (Awning Window) Four Ball Bearing Butterfly Hinge
智慧電子鎖 / 匣式水平鎖 Smart electric Mortise lock/ Mortise Lock	平推鎖 / 匣式水平鎖 Fire Exit Device/Mortise Lock	抹刀把手加匣式水平鎖 Spatulas Handle+Mortise Lock	平頭鎖加管型把手 Dead lock+Tube Type Handle
外露式門弓器 Overhead Door Closer	外露式門弓器 Overhead Door Closer	重型外露式門弓器 Heavy Duty Overhead Door Closer	外露式門弓器 Overhead Door Closer
60A	UL 10C 2 小時 UL 10C 2 hours	120B/60A	

隧道 Tunnell



防火視窗 *Fire Rated Vision Lite*

門型限制 Door Limitations



百葉型式 *Louver Type*

A Type : 固定葉片式百葉 A Type: Fixed-blade louver

構造：1.2mmCRS倒Y字型、
固定葉片、無法透視室外

Structure: 1.2mmCRS inverted Y-shaped,
fixed blade, non-see through type

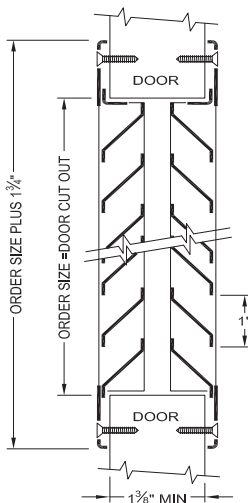
空氣流通率：50%
Air flow rate: 50%

適用範圍：

室內之辦公室門、廚房及浴廁內

Scope of application:

Indoor office door、Kitchen and Bathroom



B Type : 活動葉片式百葉 B Type: Movable-blade louver

構造：1.5mmCRS Z字型、
可手調活動葉片、可透視室外

Structure: 1.5mmCRS Z-shaped,
manually adjustable movable blade,
See through type

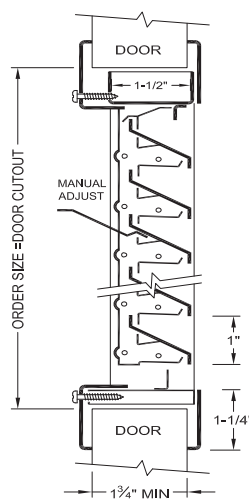
空氣流通率：45%
Air flow rate: 45%

適用範圍：

室內之辦公室門、浴廁內

Scope of application:

Indoor office door、Bathroom



C Type : 防火型百葉 C Type: Fire rated louver

構造：1.5mmCRS Z字型、
可手調活動葉片、可透視室外

Structure: 1.5mmCRS Z-shaped,
manually adjustable movable blade,
See through type

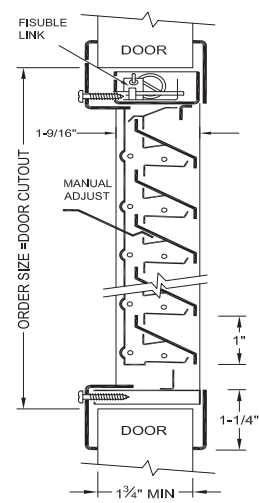
空氣流通率：45%
Air flow rate: 45%

適用範圍：

防火門專用門、UL認證合格產品

Scope of application:

Special doors for fire doors、UL certified products



備註：防火型百葉配置熱融式保險絲，當配置場所內溫度達到74°C以上，百葉會自動閉合，阻隔火焰及濃煙蔓延，達到防火區劃功能要求。

Remarks: The fire rated louver equipped with a fusible link. When the temperature in the configuration site reaches above 74°C, the louver will automatically close to block the spread of flame and smoke, thus meet the functional fire protection zoning requirement.

1 最高通過 **CNS 3小時防火時效**，**2小時阻熱性**及 **UL 3小時防火時效** 防火門測試合格
Passed highest upmost **CNS 3-hour fire resistance test**, **2-hour thermal resistance certified** and qualified for **UL 3-hour fire resistance test**, in accordance with the standard fire door test.

2 通過 **ISO9001 品保認證**
Passed **ISO9001 qualify assurance**.

在卓越的品保團隊共同努力下，我們融合客戶一點一滴的需求，積極創造優良品質、提高客戶滿意度，生產製品規範符合國家標準，品質達到國際水準。努力的成果榮獲「ISO-9001品保認證」及防火門產品等級取得UL及CNS防火門認證，其中防火時效3小時更受肯定，顯現燦爛值得信賴的信譽及保證。

對於ISO系列的品保推動我們不因獲得認證而自滿，並更提升品保過程中各項環節之效率目標，作為未來多角化營運方針之良好基礎。

With the excellent leadership of the quality assurance team, we integrate the needs of our customers bit by bit. Actively create excellent quality products, improve customer satisfaction, and produce product specifications that meet national standards as well as meeting international standards. The results of our efforts have won the "ISO-9001 Quality Assurance Certification" and the fire door product grade has obtained the UL and CNS fire door certification. Among them, the fire protection time of 3 hours is recognized as one of the best in the industry, proving TSAN TUNG's trustworthy reputation and guarantee.

As for pushing for higher quality assurance in the ISO series, we will not be satisfied because of the certification, we will continue to improve efficiency in each link of the quality assurance process, which will serve as an excellent foundation for our company's diversified operation policy in the future.



「用心做到最好，用最好回饋社會」是燦通對於陪伴我們一同成長的所有顧客最真誠的保證。未來，我們仍將秉持善盡企業社會責任與堅持「專業、嚴謹、創新」的理念來服務所有顧客，並以達到品質國際化、服務專業化為目標持續邁進。

未來，燦通公司將以多元化的經營理念，擴大與國、內外門廠、五金廠等相關業者結合，組成系列化專業分工之服務團隊，以更多元、更精緻之產品及服務，成為門窗組合之專業綜合企業，期待您與燦通一同迎向美好的未來！

“Doing the best with our heart and giving the best back to the society” is TSAN TUNG’s most sincere guarantee to all the customers that accompany and grow with us together throughout the years. In the future, we will continue to uphold the corporate social responsibility and adhere to the concept of "professionalism, rigor and innovation" to serve all customers, and continue to make progress with the goal of achieving international quality standard and providing excellent professional services.

In the future, TSAN TUNG will expand its integration with domestic and foreign door factories, hardware factories and other related industries with diversified business concepts to form a series of professional service teams with more diversified and refined products and services. An enterprise that combines the best experience in both door and window production. We look forward to welcoming you and TSAN TUNG to a bright future together!





如需要更詳盡資料，請與本公司聯絡。
For more detailed information, please contact our company.

燦通企業股份有限公司

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