

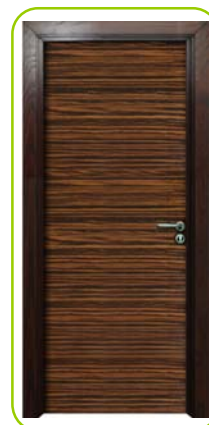
**For the first time in Vietnam wooden fire doors have been manufactured and successfully tested to 76 minutes in accordance with British Standard BS EN 1634-1:2000 Fire resistance tests – Fire Doors and Shutters.**

**PRIME FWD60** are flush wood doors with wooden door frame and architraves. They can therefore be attractively finished in a range of wood veneers and clear varnishes. The design allows for quick efficient installation into openings in fire walls without the need for subframes, while still maintaining the fire integrity of the whole installation.

A complete set of door accessories such as **concealed door closer, smoke seal and bottom acoustic seal** are incorporated into the tested doors so that these can confidently be used without any concern that the hardware may weaken the door and hence cause a reduction in fire resistance.

The door was tested in both the opening-in and opening-out position so that it can be used in any situation.

With the attractive finishes and the special hardware the door is ideally suitable for high quality application such as hotel room doors and lobby exit doors where the fire rating requirement is 60-minute or less. The door also has high **acoustic insulation properties** however these have not been quantified.



Up until now only imported doors carry test certificates to BS EN 1634 or other equivalent international standards. Even then the certificates only apply to a plain door and not to a **combination of door plus hardware**, especially concealed closers and seals which can severely weaken the door and reduce its fire resistance. In those situations a concerned owner may require the door to be re-tested with the actual hardware. This not only adds cost but also time delay and most importantly an uncertainty as to whether the door with hardware will pass the necessary test. Failure means expensive re-testing and modification to the door design, and long delays.

Now for the first time a **local solution** is available for your fire door problem. You can specify **PRIME FWD60** doors knowing that the product will meet the **fire safety demand** of the most critical customers, for example international hotel operators. Because the door is made locally there is **flexibility** in delivery time, sizes, details and finishes. And the cost is less because **import tax is avoided**.

For other fire door applications **please contact us** with your particular requirements and we shall engineer the design to suit.



### **Prime Construction and Trading Company Ltd**

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**FIRE RATED TIMBER DOOR MEETING INTERNATIONAL STANDARDS**

**NOW MADE IN VIETNAM BY PRIME CONSTRUCTION**

**The door** has been tested as a complete assembly including: door leaf, door frame, architraves, hinges, concealed closer, lockset, smoke/acoustic perimeter seal and concealed bottom seal. Only the card access control is not included, but because this device does not penetrate the door it doesn't invalidate the test.

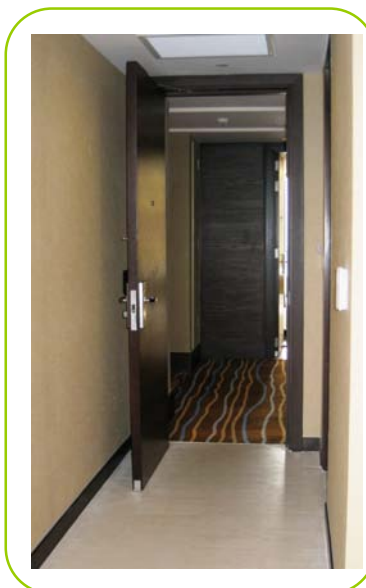
The technique of installing the door into an opening is an integral part of the test result. **Facts:** If the connection is not properly done the whole door including frame may collapse or allow heat/naked flame to pass to the other side (the protected side) therefore, destroying the fire rating. This Fire rated Door has been developed using expertise and special technique for the installation.

The door has been tested in two positions: opening in and opening out. This allows the fire rating to apply from either side. **Facts:** If the fire starts from a hotel room, it will take 76 minutes to spread to the corridor, and another 76 minutes to pass from the corridor to adjacent rooms. Occupants of adjacent rooms are therefore protected for a total of 152 minutes if they have not already escaped



The door has a high level of acoustic property because of its construction (door thickness, internal insulation, fire resistance lining, frame thickness, minimal gap between leaf, frame and wall etc) and the use of accessories such as smoke seal, bottom seal.

The door is locally made at our own factory (from imported materials), so it will be very simple for logistic and future replacement (if ever required) with a short lead time.

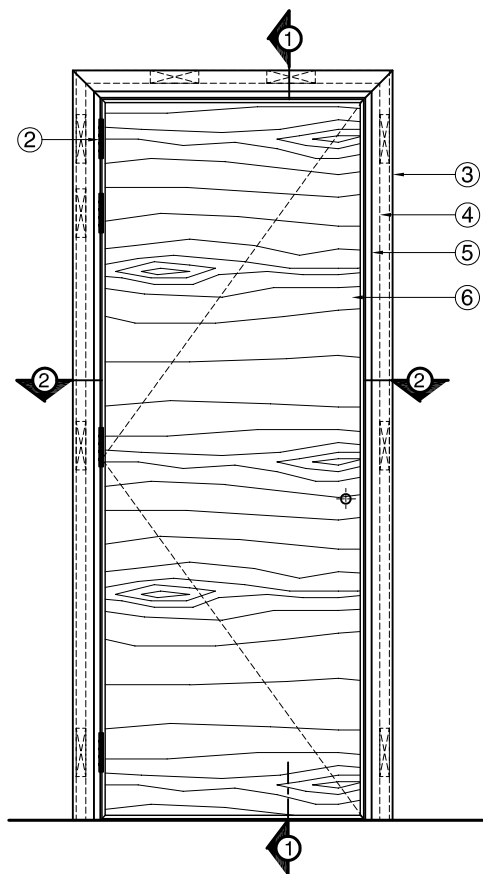


This product has been widely **used at 5-Star Sheraton Nha Trang Hotel** and several other international projects in Vietnam.

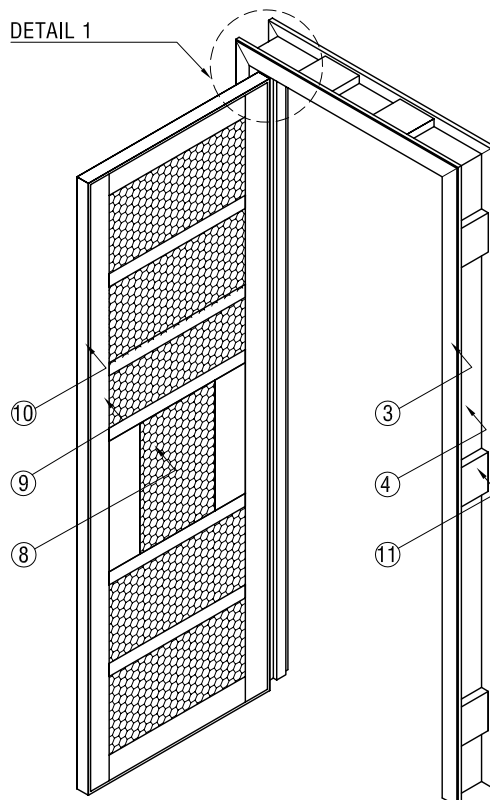


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**ELEVATION**



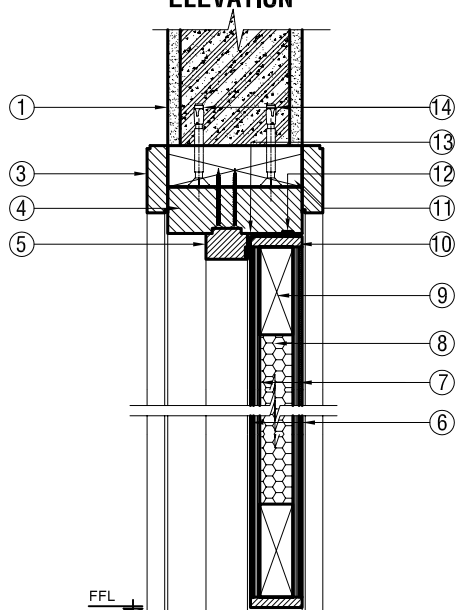
**PERSPECTIVE**

**MATERIAL LEGEND:**

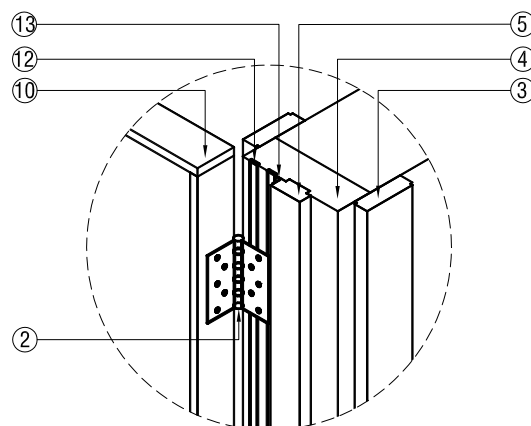
- ① Brick wall
- ② Steel butt hinges
- ③ Solid wood achitrave
- ④ Solid wood door frame
- ⑤ Solid wood planted stop
- ⑥ Veneer
- ⑦ Fire boards
- ⑧ Insulation
- ⑨ Solid wood frame
- ⑩ Solid wood edging
- ⑪ Embedded solid wood packing
- ⑫ Intumescent seal
- ⑬ Smoke seal
- ⑭ Expansion bolt
- ⑮ Fixing screws

**HARDWARE OPTIONS:**

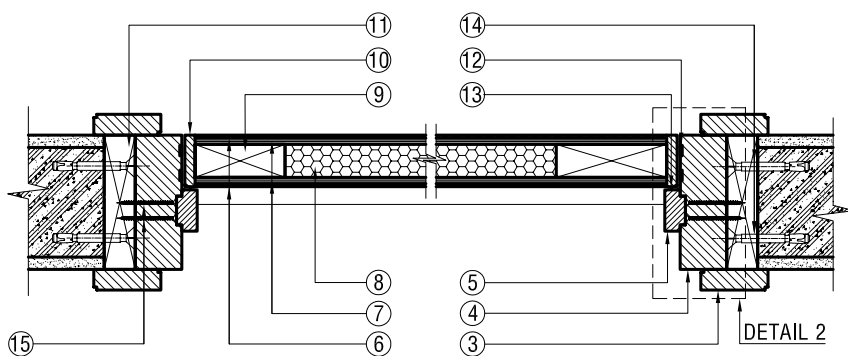
- Concealed closer
- Acoustic bottom seal



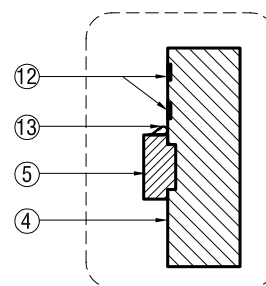
**SECTION 1-1**



**DETAIL 1**



**SECTION 2-2**



**DETAIL 2**