

PACIFIC SPS1 DOORSET

DESCRIPTION

The Pacific SPS1 Doorset is a detention or commercial security door, resistant to physical attack using hand tools, levers and heavy impacts from either face. The SPS1 includes features designed to increase impact resistance and durability in high-use situations.

The door leaf is a solid core panel, fully encapsulated in steel sheet with seam-welded edges, hung in a steel frame.

A fire-rated version of the SPS1 is available. Refer to the separate datasheet for SPS1-FR.

For doorsets fully tested for burglar resistance, fire resistance, bullet resistance and explosion resistance, refer to the Pacific Protector Series.

APPLICATIONS

- Institutional Detention doorset
- Prison Cell Door
- Commercial Security door
- Stairwell door in multi-level buildings

SECURITY TESTING

Opus Central Laboratories Report 98-527903.66 "Intruder Resistance Tests on Three Doorsets from Pacific Door Systems Ltd". The SPS1 doorset was subjected to 50 impacts from a 200kg cement-filled bag at 4.8m/s, in the direction of opening of the door. The door was able to be opened at the end of the test and was substantially undamaged.

Opus Central Laboratories Report 01-525488.00: The SPS1 doorset was tested to the requirements of ASTM F 1450-97 including:

- Door Static Load Test
- Door Rack Test
- Door Edge Crush Test
- Door Assembly Impact Test

The impact testing is conducted on two specimens, one with frame-mounted lock and the other with door-mounted lock. The tested doorsets included polycarbonate glazing to the vision panel.

The tested SPS1 doorset met the requirements of the relevant clauses of ASTM F 1450-97 to all levels 4 to 1.

BALLISTIC TESTING

The SPS1 doorset has been successfully tested to AS 2343:1984 "Bullet-resistant panels for interior use" with ratings of:

G1	.357 Magnum
S0	Shotgun 12 gauge SG shot

LEAF SPECIFICATIONS

Leaf thickness: Nominal 50mm

Leaf weight: 59 kg/m²

Leaf Sizes:

Standard sizes are up to 2350 x 1150mm

PAINT FINISH

A high class, durable finish is possible using two-pot polyurethane. The product may be finished with other systems according to clients' requirements.

FRAME

Pressed electrogalvanised steel frame, 2.0mm. Frame profiles are illustrated on the Steel Frame Profiles page.

VISION PANELS

The standard glazing system provides a flush attack face and steel beading with fixings on the "non-attack" face. The system is adaptable to various thicknesses of security glazing according to requirements. "Prisonguard™" transparencies of thickness ranging from 12-22mm are recommended. Glazing with ballistic rating G1 is available. Details are available from Pacific Door Systems Ltd.

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WALL CONNECTION

Timber stud walls

A timber stud subframe can be factory fitted to the main frame for connection to a timber stud security wall.

Masonry walls

Frames may be installed during or after construction of masonry walls. Several proven connection systems are available.

Steel stud wall

It is recommended to trim out the door opening in a steel stud wall with double timber studs to full height.

HARDWARE

Closer

Surface-mounted or concealed closers can be fitted to the SPS1. If concealed closers are required these must be specified at time of order so that correct preparations can be made in the door leaf and frame.

Hinges

Full mortise 4½" x 4½" Institutional Hinges are standard (material is Stainless Steel 304).

The SPS1 can also be installed on institutional block hinges, for example as a cell door in a cast-in cellfront.

Ventilation Grille

Optional, stainless steel mesh inserted into the door core and faced each side with louvre grilles (maximum 200x200mm). Not available for smoke control or bullet-resistant SPS1.

Food Hatch

A hinged, latching food hatch may be fitted to suit clients' requirements.

Power Transfer Devices

Fully mortised devices, which fully conceal cables, are recommended (such as Von Duprin EPT). Hinges with integral wiring are also available.

Locks and Accessories

Any security or commercial locks which suit the door thickness can be fitted to the SPS1 doorset. The lock (and other hardware) must be specified at time of order so that correct preparations can be made in the door leaf and frame.

The leaf is solid core and therefore most surface mounted or mortised devices can be connected to it such as:

- Mortise, cylinder or surface mounted locks
- Frame-mounted locks
- Door position or lock status switches
- Flush or surface mounted handles
- Power cable ducts

A wide range of electronic locks may be accommodated including electromagnet clamps, shearlocks, and electric strikes.

Multipoint Locking

Locking systems with multiple bolts including top and bottom bolts, internally fitted to the SPS1 doorset, are available from Pacific Door Systems.

SEALS

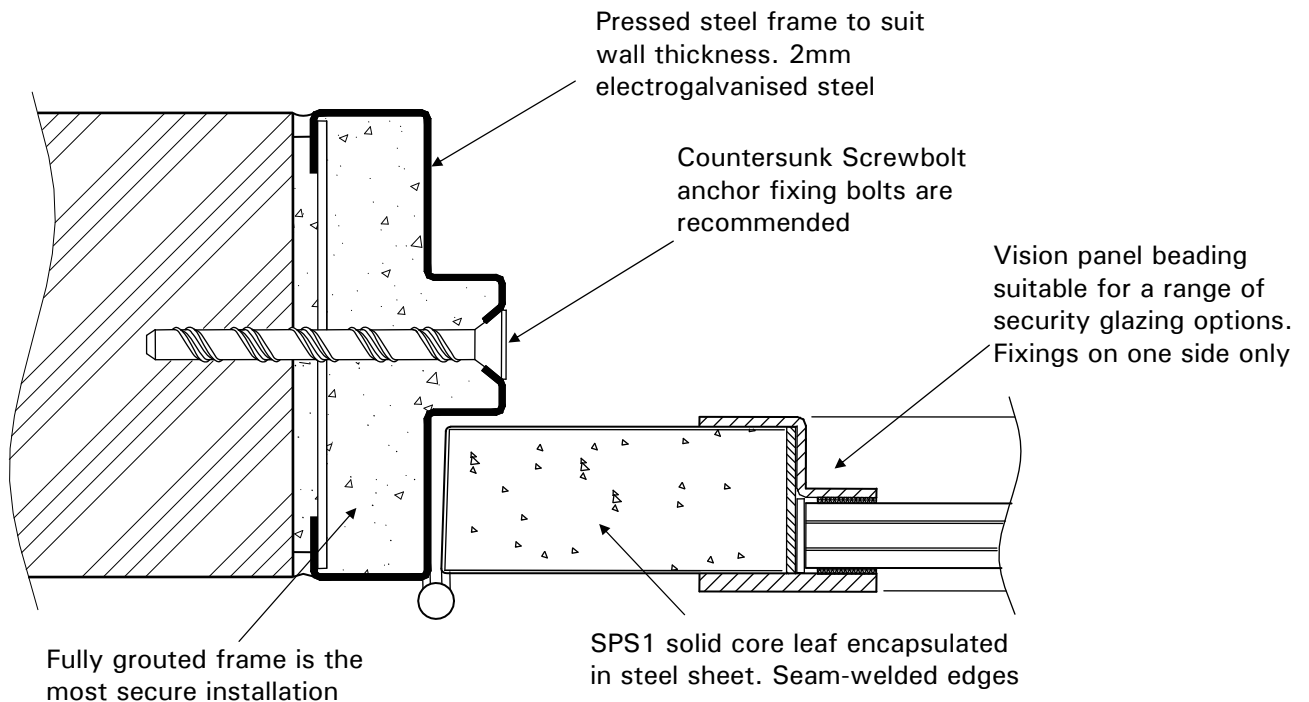
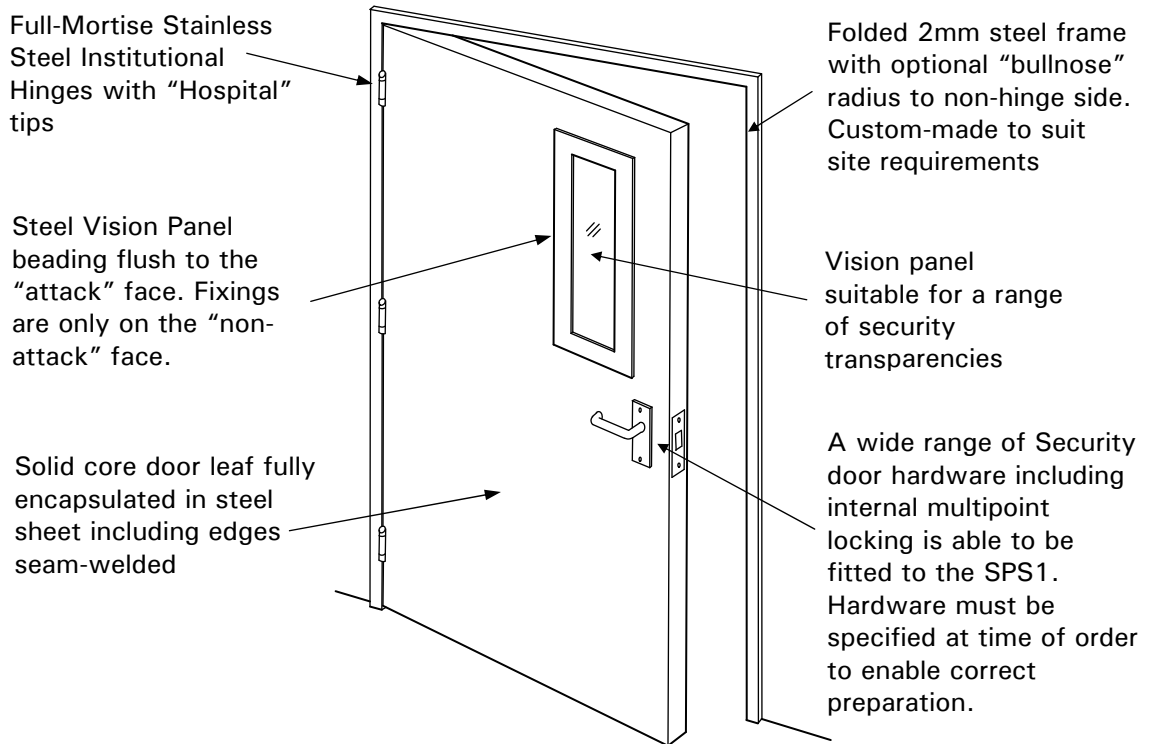
Frame-mounted seals may be fitted to the doorset to seal against sound, draughts and to provide smoke control.

PAIR DOORSET

The SPS1 is available as a pair doorset with the option of a rebated meeting stile or a square meeting stile with steel cover plate, as illustrated below.

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SPS1 Design Features



Section showing typical Masonry wall installation & Vision Panel detail