



STEEL PIVOT DOOR
INSTALLATION GUIDE

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ZEN STEEL PIVOT DOOR / INSTALLATION

1. PIVOT DOORS - INSTALLING THE JAMB

First, install the steel door jamb to your opening timber frame, steel frame or masonry wall structure.

The pivot doors will always arrive packed separately to the door jamb. Total weight is (35kg per square metre for single glazed, 65kg per square metre double glazed) we recommend at least 2 people to lift the frame into place and then hang the door/s. Other devices such as pallet jacks, lifts and dolly's can be used as long as adequate support and protection is applied at the lifting points. We recommend all people handling the doors wear gloves to avoid marking the doors and causing any scratches.

NOTE: Pivot Doors without a sill/threshold have a lower support steel bar installed for shipment, this needs to be unscrewed prior to installation.

We have two mounting methods for the steel door jamb and your door will either have the mounting tabs on the outside of the jamb or pre drilled holes on the inside of the jamb.

NOTE: These are detailed on the shop drawing and should be positioned carefully during the design phase.

There are usually 4 mounting tabs/holes (and sometimes 6 or more depending on the size of the door). The tabs are bolted into the structural framing from the inside of the house and the holes are bolted from inside of the jamb using timber screws (not supplied). You should use two screws/bolts per tab and one screw/bolt per mounting hole. Holes are usually 13mm on the inside edge and 8mm on the outside edge. We will supply 13mm plastic hole covers. **Your installer will need to supply the correct fixings based on your substrate.**

IMPORTANT – Initially, only fasten the left and right top most tabs/holes to the house framing. This is necessary to allow for some adjustment of the frame later.

SIDELIGHTS AND/OR TRANSOM

If you have separate sidelights you will use joining bolts to fix them to the door jamb first. Apply all weather caulking between the sidelights and the jamb before joining. Once joined together, the whole unit is bolted to the house framing as per above instructions.

If you have a separate transom, it is mounted above the door jamb and fastened into the framework just like the door. Install the door jamb first and then the transom. Apply caulking to the bottom of the transom before joining to the door jamb.

Looking from inside, check that the door jamb is square. If it's not, then the jamb is slightly out. You must move the bottom of the jamb to the left or right until the door lines up exactly.

2. PIVOT DOORS – PREPARING FLOOR PIVOT HARDWARE

Prior to hanging the door panel, make sure the floor/sill mounted pivot hardware is installed. If there is a sill the holes have already been pre drilled and you just need to fit the floor pin to the sill. If there is no sill, you will need to bolt the floor pin to the finished floor. Based on your flooring height and shop drawing approval you should have the required clearance for the door panel to be hung. The pivot floor pin must be installed on top of the finished

floor with adequate space on either side and not on the edge of a slab. You will need to line up the floor pin with the top hinge which is already rebated into the head jamb. This will need to be done with a laser. We recommend a qualified door carpenter undertake these types of installs.

3. PIVOT DOORS – HANGING THE DOORS

Lift the door into position, the top pins is spring loaded so will retract, once the door is in position over the bottom pin, the top pin can be released into the hole on top of the door panel. As the doors are quite heavy, (35kg per sqm single glazed & 65kg per sqm double glazed) we recommend at least 2 people per door and please wear gloves if possible.

4. PIVOT DOORS – ADJUSTMENT

Even though you have checked your framing is plumb, there may be some small adjustment needed to ensure your door is installed correctly.

The pivot hardware can be adjusted with the L tool provided in the box.

Next check that your door closes evenly from top to bottom. If, when you close your door, the top or the bottom touches the astragal first then the jamb is slightly twisted.

You can adjust this by moving the appropriate tab inwards (towards the inside of the house) or outwards (towards the outside of the house) until the door closes evenly top and bottom.

Once everything is adjusted correctly then secure the lower tabs in place with the lag bolts.

IMPORTANT – Check the fit of the door once again to make sure nothing moved while you were tightening the bolts.

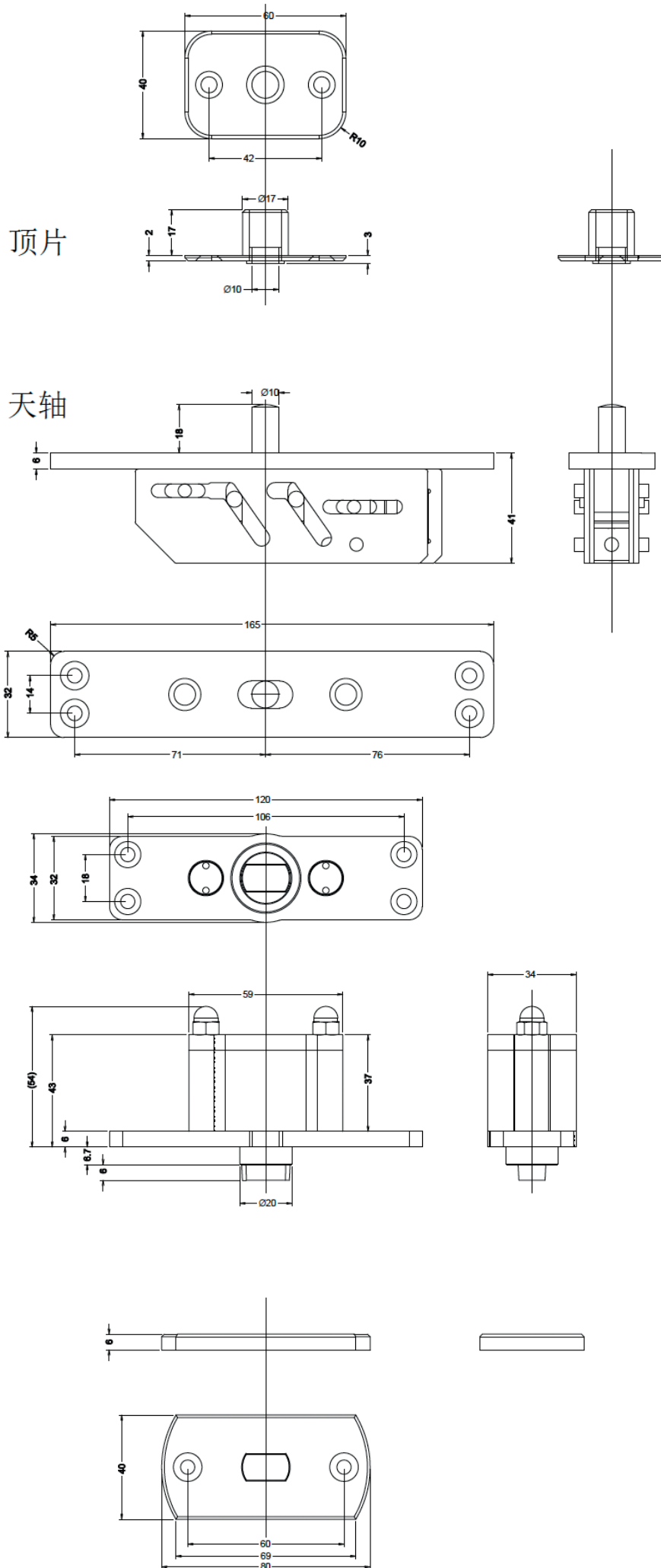
5. HARDWARE INSTALLATION

The handles fixings have all been pre drilled and tested on the door, the back plate needs to be fitted to the door first, then the handles screwed to the back plate. If the holes are not aligning please swap the inside handle with the outside and check again, if the round handle please rotate the handle until the holes match up.

NOTE: You will need to cut the supplied rubber drop seal 90mm where the pivot floor pin is located so the door panel can rotate without binding. Try to keep the cut neat and tidy and no more than the length of the pivot floor plate.

NOTE: Your door and frame have been pre hung and tested in the factory, if you have anything misaligned such as deadbolt, latch or other you need to adjust your frame, adjust the roller catches. You should have no issue with the alignment of the lock or latch.

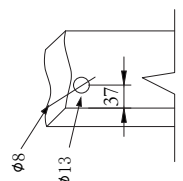
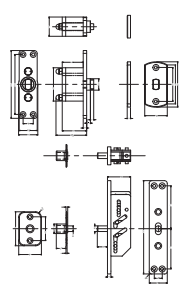
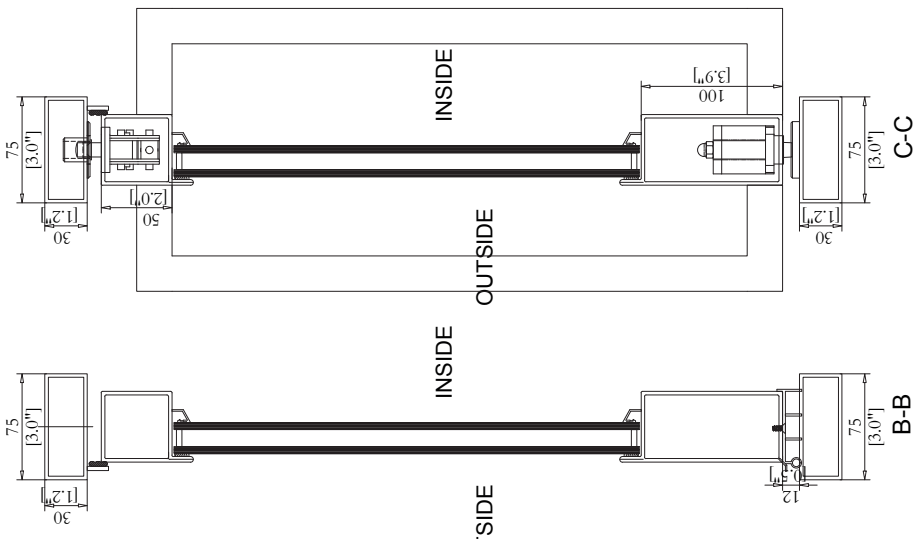
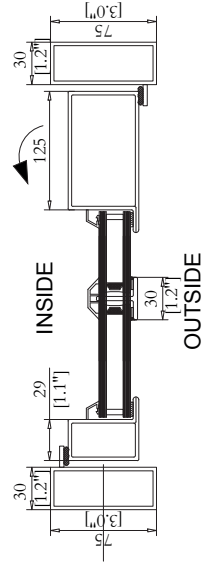
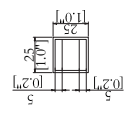
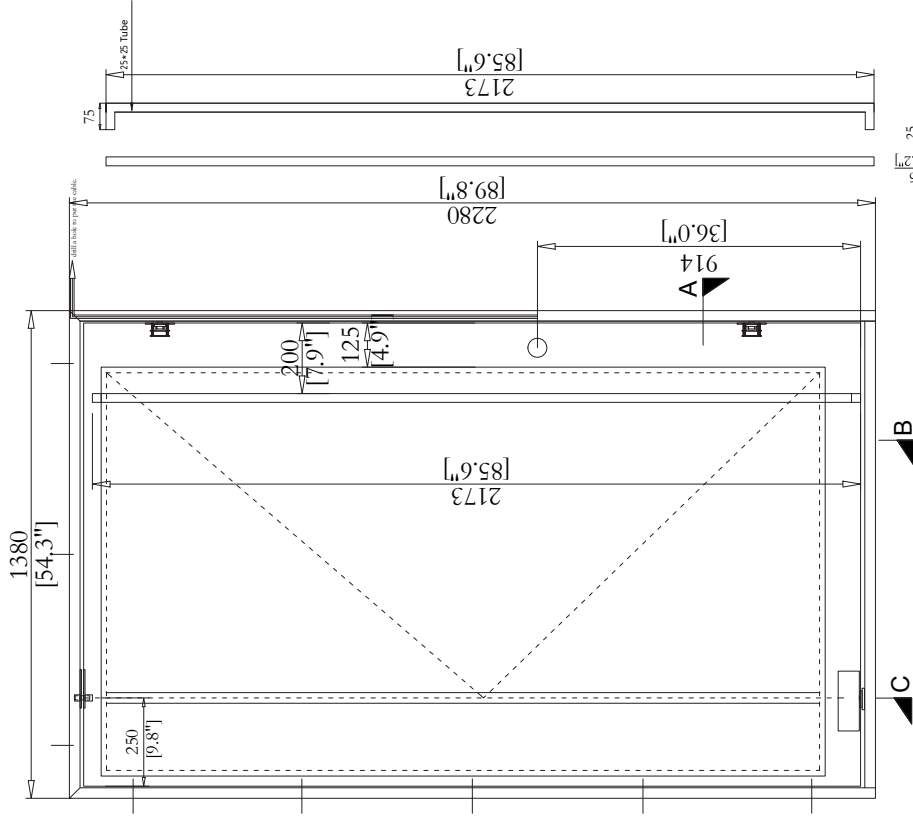
ZEN STEEL PIVOT DOOR / 500KG RATED HARDWARE










ZEN STEEL PIVOT DOOR / CAD DRAWING

ID	INV847 - 1 set
QTY	1 Set
Design	Custom
Size	1380 X 2280
Jamb	30MM X 75MM
Threshold	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Mounting	TAB <input type="checkbox"/> Fins <input type="checkbox"/> Thin Jamb <input checked="" type="checkbox"/> None <input type="checkbox"/>
Active	Left <input checked="" type="checkbox"/> Right <input type="checkbox"/>
Open	Outswing <input type="checkbox"/> Inswing <input checked="" type="checkbox"/> Others <input checked="" type="checkbox"/>
Finish	#1 Matt Black
Caulk	#1 Matt Black
Glass	#0 Clear + #0 Clear Sgl <input type="checkbox"/> IG <input checked="" type="checkbox"/> Lamin <input type="checkbox"/> Open <input type="checkbox"/> Fixed <input checked="" type="checkbox"/> (see fish)
Lock	Custom <input checked="" type="checkbox"/> Deadbolt <input type="checkbox"/> SGL <input type="checkbox"/> DBL <input type="checkbox"/>
Roller catch	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Screen	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Handle	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Thermal break	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Foam	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Packing	Foam wrapped <input type="checkbox"/> Wood box <input checked="" type="checkbox"/> Others <input type="checkbox"/>
Shipping	LCL <input type="checkbox"/> FCL <input checked="" type="checkbox"/> Others <input type="checkbox"/>
Date:	2022.09.20 W

OUTSIDE VIEW



Hinge

-  LOCKWOOD SELECTOR 3772 UNIVERSAL MORTICE LOCK - 60mm x 1
-  LOCKWOOD VELOCITY OVAL CYLINDER ROUND ESCUTCHEON VSR6 - Matt Black x 1
-  LOCKWOOD VELOCITY OVAL TURNKNOB VSR7 - Matt Black x 1
-  LOCKWOOD 3700 SERIES TURNSNIB ADAPTOR (LATCH RETRACT) x 1
-  BRAVA METRO 570 OVAL CYLINDER MATT BLACK - Matt Black x 1
-  LOCKWOOD 3772 FINISH KIT (STRIKE, FACE PLATE & SCREWS) - Matt Black x 1
-  LOCKWOOD PADDE ES2100 ELECTRIC STRIKE 10-30Vdc x 1