## ***Insert Installation & Maintenance Recommendations / Procedure.***

(A) Confirm aperture is level and square, diagonals should be equal so the frame fits true. Using a chalk-line, flick a level line 30mm above the top of the aperture.

(B) Advanced Refrigeration Technology inserts are riveted to the cold room's front face using the 5-6 aluminium rivets supplied so there is no need to install timber framing inside the aperture.

(C) It is recommended that bracing is installed between the cold room front header panel (above the insert doors) and the cold room ceiling.

***Note:***
Dependant on span and/or room size, ceiling panels may require suspension so no weight is transferred to the top of the insert frame.
In multiple insert frame applications where frames butt join, a stiff mullion 60mm wide (minimum) by panel depth should be inserted vertically at the joint of the insert frames. The inserts can than be trimmed off as normal internally. Alternatively the inserts can have the flanges removed and butted together with a trim channel to cap the joint. This should be requested at time of order.

(D) Remove the black PVC D-mould from the insert frame front face then place the frame into the aperture, check it is level and square. The top frame should be parallel with the chalkline. Drill 4mm holes through the guide line in the front flange and cold room panel above each door hinge pin and rivet off being sure to keep the frame parallel with the chalk line. Repeat on the bottom frame. Recheck for level and square then rivet the frame at 200mm centres all round the perimeter. Refit the D-mould.

(E) Once insert frame is in place, secure/fit internal angle trim provided.

(F) Aluminium angle for 75mm panel, colorbond trim for 100/150/200 panel.

(G) We recommend 2 fit persons lift doors into place as large doors are heavy. With the spindle pin at the bottom of the door, slide the top door bush over the top hinge pin as far as possible and then position the bottom spindle pin into the lower hinge plate. Keep the doors at approximately 45 degrees angle from the insert frame to avoid the hold open devise pin hitting the frame while installing.
Adjust door closing tension by using 2 long steel 3.18mm pins (supplied) in bottom hinge spindle to wind on tension using the 2 pins in turn, rotate towards the glass, when tensioned insert short S/S pin to secure tension and remove long pin. Only tension to the point where doors close gently by themselves from being slightly open. The doors should not be adjusted to close with a bang,

The doors have been hung and adjusted in the factory prior to dispatch and will normally not require any adjustment. (TIP)A gentle heating of door seals with a heat gun can soften the seals and allow the magnets to pull the gasket against the face. Allow to cool and set before reopening.

Fit door restraining clips over the top hinge pin. – (Black plastic C clip)

## Shelving:

Place all front shelf posts in position, for 75mm panel use forward slot and rear slot for 150mm panel. Fit top & bottom spacer bar (stays) into first rear shelf post.
Fit first shelf to bottom, stand second rear shelf post, utilising rear hook on shelf to secure posts. Fit top spacer bar, then fit top shelf, the first bay is now self-supporting.

**Note:** Always start shelves from outside aperture of the first shelf post.
Continue on fitting bottom spacer bars, bottom shelf, top spacer bar, top shelf in that order until total system is standing. Balance of shelves can then be easily fitted by either the contractor or the client to the required layout as required.

## Electrical:

Connections must be carried out by suitably qualified persons. Refer to Job Number Specific wiring diagram for connection details for lights, frame & doorway heaters, and heated glass panels if applicable.

Advanced Refrigeration Technology inserts are pre-wired to tails exiting at the middle in the head of the frame. Nominal electrical tail length is (2) meters.

## Maintenance:

As with all items that involve moving parts or items that are accessed by the public in general, regular maintenance checks should be periodically carried out. Frequency may vary from site to site; our recommendation is no less than a monthly inspection or immediately after some foreign occurrence to normal operating conditions.
All parts should be inspected, hinges (Re-tighten, secure, replace were necessary) gaskets, frames, trims and in the case of heated doors, electrical cables & connections.

We hope the above is of assistance to achieve the optimum performance from the product. Should any additional information or assistance be required, please do not hesitate to contact our office.