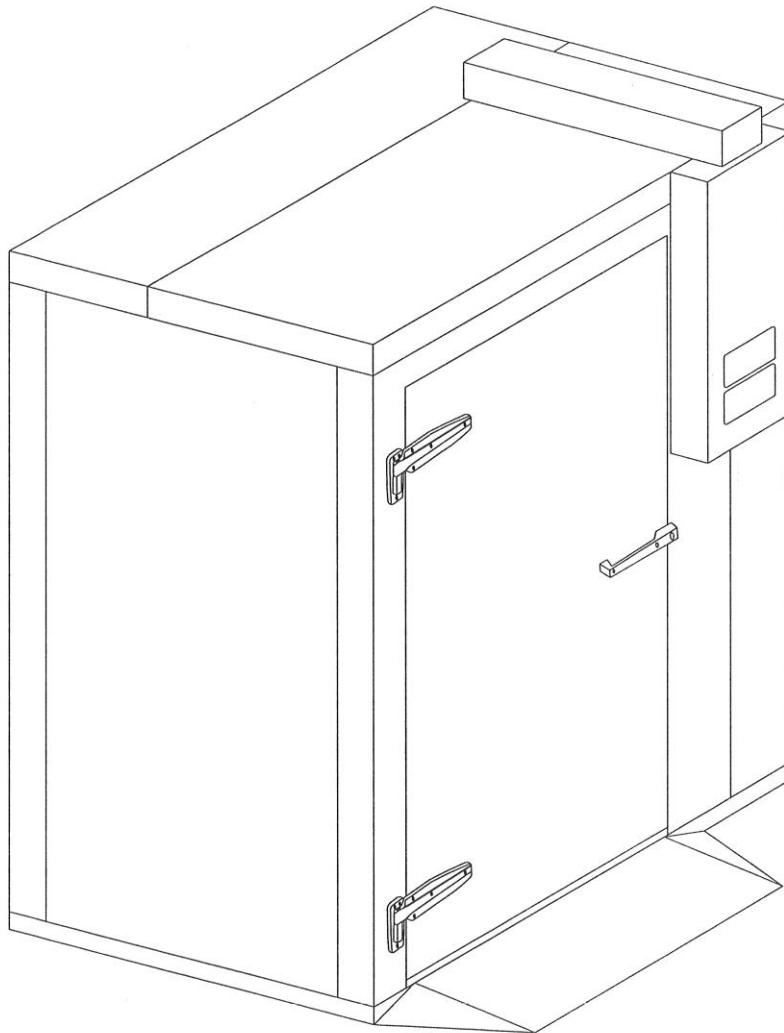




Mid-South Industries, Inc. •

Laurel, Mississippi 39440

# INSTALLATION INSTRUCTIONS FOR THE TK26/TK30/TK47 CABINET AND UNIFRAME



For future references, please record the applicable data found on the labels located on the cabinet's control panel and condensing unit (if a condensing unit has been purchased from Thermo-Kool®) by filling in the blanks below. It is recommended that this page be preserved during the life of the product.

**Roll-in Cabinets:** Data label is located on the right side of the control panel at the bottom.

**Thermo-Kool® Commercial Blast Chiller and/or Shock Freezer**

Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_ Date Purchased: \_\_\_\_\_

Refrigerant: 404A Design Pressure: (Low): 174 PSIG (High): 375 PSIG

Charge in oz: \_\_\_\_\_

Compressor: HP \_\_\_\_\_ FLA: \_\_\_\_\_

Fans: HP \_\_\_\_\_ FLA: \_\_\_\_\_

Volts: \_\_\_\_\_ PH: \_\_\_\_\_ Hz: 60 Amps: \_\_\_\_\_

Min. Circuit Amps: \_\_\_\_\_ Max. Fuse Size (Amps): \_\_\_\_\_

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**Condensing unit:** If the Roll-in model's condensing unit has been purchased from **Thermo-Kool®** the data label is located on the outside of the unit's hood.

Product: **Condensing Unit**

Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_ Date Purchased: \_\_\_\_\_

Outdoor: \_\_\_\_\_ Indoor: \_\_\_\_\_

Refrigerant: 404A Design Pressure: (Low): \_\_\_\_\_ (High): \_\_\_\_\_

Charge in oz: \_\_\_\_\_

Compressor: HP \_\_\_\_\_ FLA: \_\_\_\_\_

Condenser Fans: HP \_\_\_\_\_ FLA: \_\_\_\_\_

Volts: \_\_\_\_\_ PH: \_\_\_\_\_ Hz: 60 Amps: \_\_\_\_\_

Min. Circuit Amps: \_\_\_\_\_ Max. Fuse Size (Amps): \_\_\_\_\_

## **THERMO-KOOL/Mid-South Industries, Inc.**

Installation Instructions for TK26, TK30 and TK47 Cabinet & Uniframe

Note: Prefab floor included in instructions below. For cabinet with no floor and screeds, please see steps 2a & 5a

1. Pull the protective paper approximately two inches from edge of all panels.
2. Place floor panel "A" into position and level side-to-side and front-to-back.

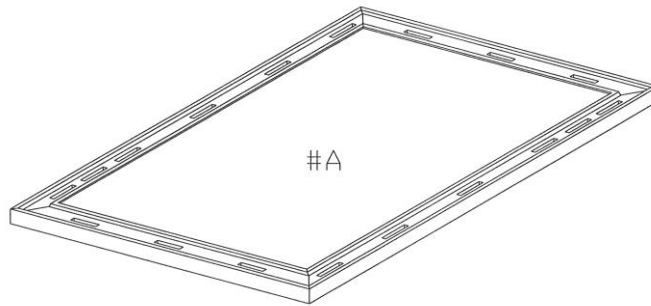


Figure 1

- 2a. Layout vinyl screeds as seen below.

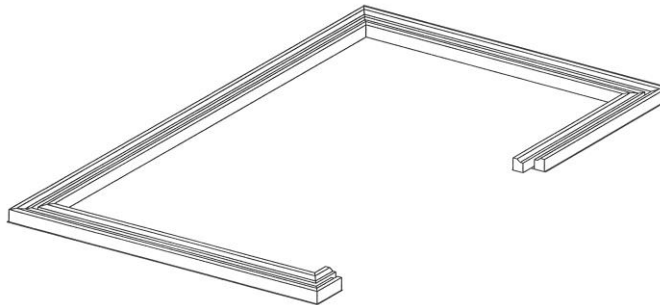


Figure 2

3. Place corner panel 1 into position and fasten to the floor panel with the hex wrench provided. Place walls 2, 4 and corner 3 in their respective positions. Be sure all Insta-Loks are locked to the full cam position and all panels are level with the adjoining panel.

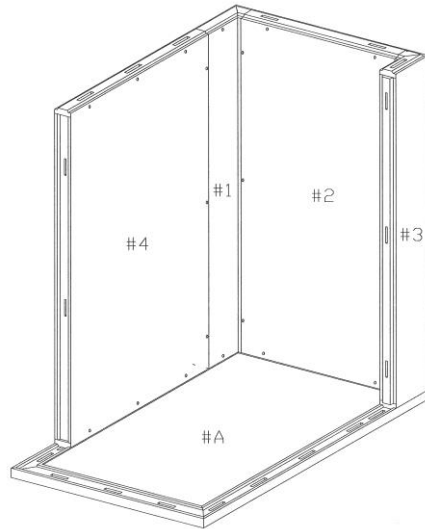


Figure 3

**Note:** Prior to placing the uniframe into position remove interior protective paper from panels 1, 2, 3 and 4. Insert Insta-Lok plugs provided in hardware box into the Insta-Lok holes on the vertical seams of these panels. Insert plugs into horizontal seam Insta-Lok holes after the ceiling panels have been fastened. Be sure that the plugs are beneath the metal surface of the Insta-Lok holes. Then, insert the gray plug buttons into the Insta-Lok holes on these panels.

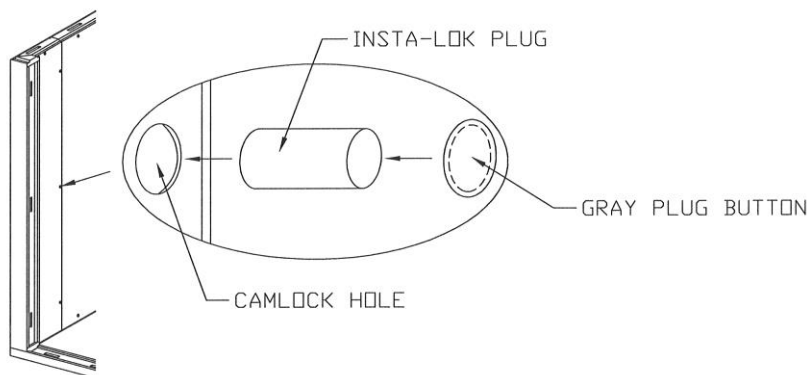


Figure 4

4. Place uniframe into position with the back side against wall 2. **Do not secure the uniframe to the wall at this time. The uniframe's legs must be adjusted to their lowest position to allow access to the bottom vertical Insta-Lok access holes on panels 1 and 3.**

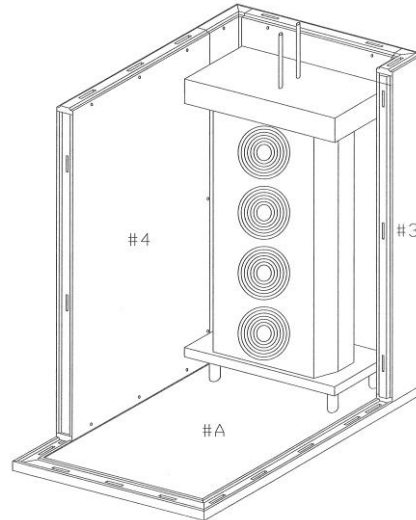


Figure 5

5. Place panel 5 and 6 into position and fasten to the floor. If required, place the exterior ramp into position before installing door section 7. Be sure the threshold on door section 7 is placed in the slot in the ramp.

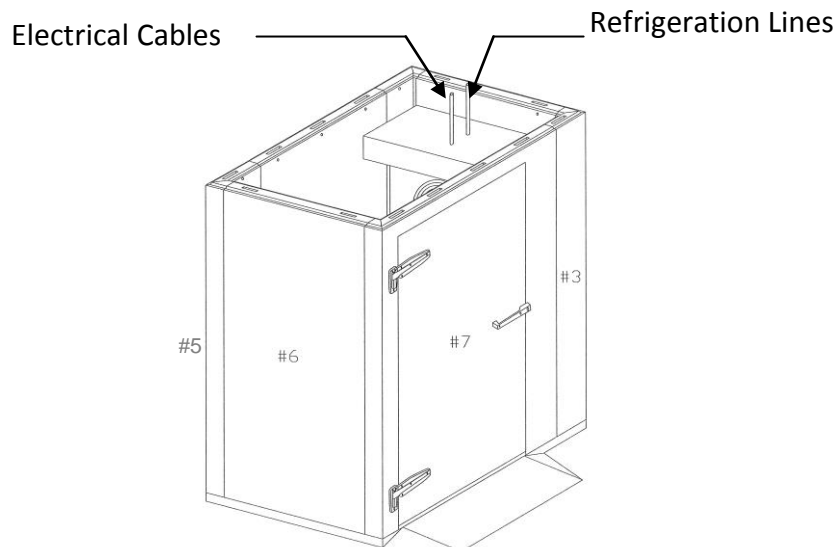


Figure 6

- 5a. Place panel 5 and 6 into position before installing door section 7.

- Place single ceiling panel 8 for model TK26, or ceiling panels 8 and 9 for models TK30 or TK47, into position. Raise the uniframe's adjustable legs to allow the uniframe refrigeration lines to pass through the predrilled line holes in the ceiling and extend approximately two inches above the ceiling panel for easy access. Insert the PVC sleeve and flange provided in the hardware box through the predrilled electrical line hole and insert all electrical cables. The uniframe can now be secured to the wall panel with the # 8 stainless steel screws provided in the hardware box.

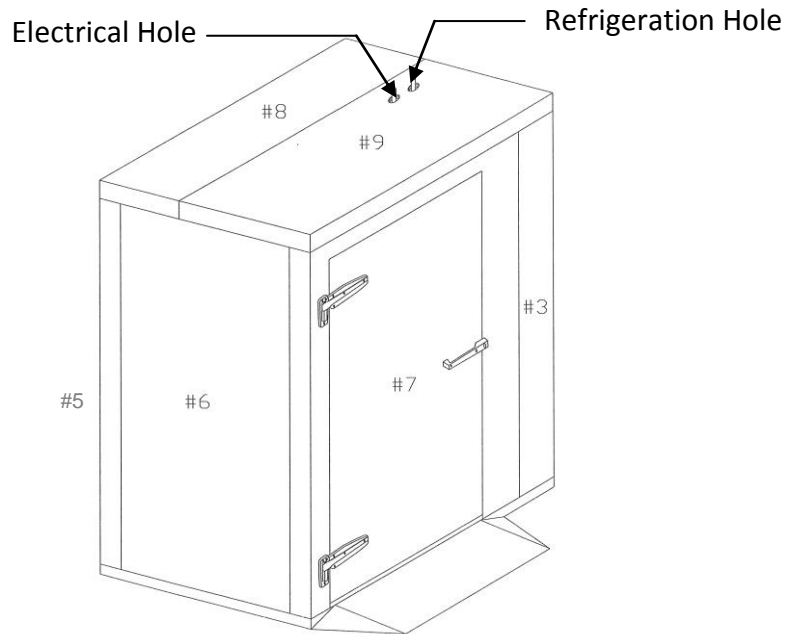


Figure 7

- Remove all protective paper and insert the remaining Insta-Lok plugs and plug buttons into the Insta-Lok access holes.
- Adjust the sweep at the bottom of the door so that it sweeps the threshold when closing or opening the door.

**Do NOT adjust the sweep so far down that it prevents the door from closing properly.**

- Secure the threshold to the interior floor with the stainless steel screws provided.

10. A) Fasten the control panel's lower left-hand corner mounting hole to the pre-drilled hole on door frame with a provided 5/16" self-tapping screw. While supporting the control panel, adjust its position so that it is flush with ceiling and plumb with door frame. Drill and fasten the remaining three mounting holes with the provided screws. B) Attach the lower raceway from the control panel to the penetrations in the ceiling panel. Run all cables from the uniframe through the lower section of the raceway to the control panel. Install the raceway cover provided in the hardware box.

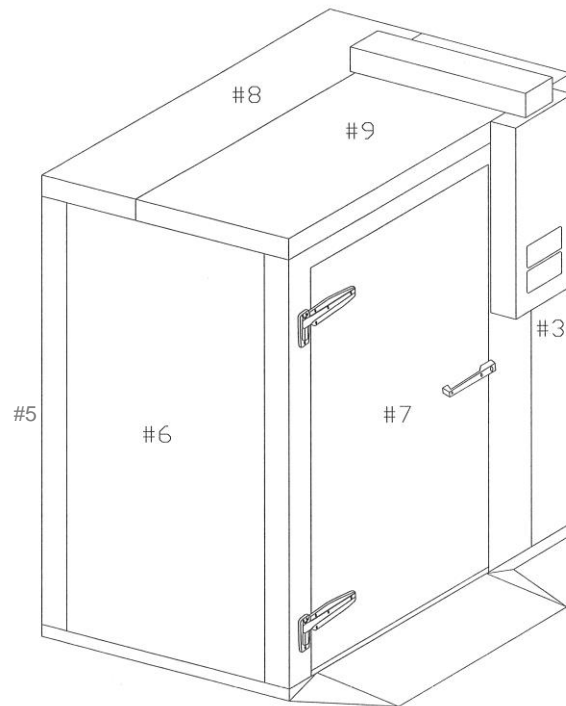


Figure 8

11. Be sure to connect the drain line to the fitting on the condensate pan located on the bottom of the uniframe.

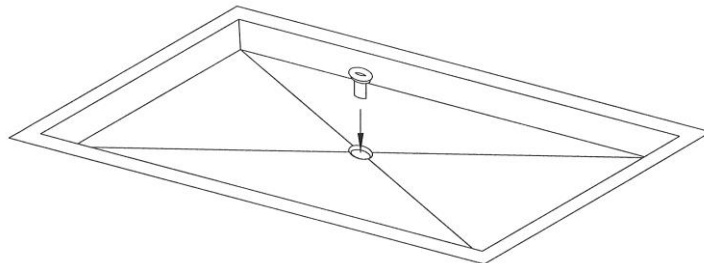
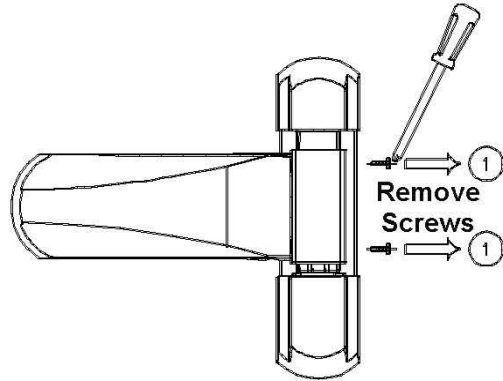
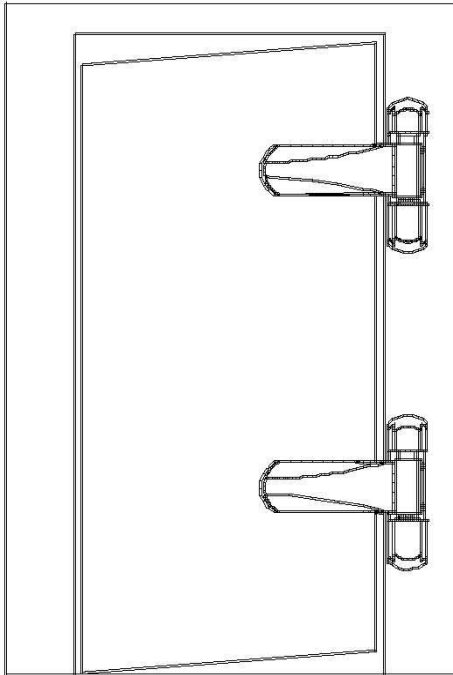


Figure 9

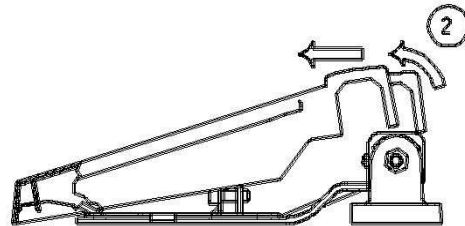
12. Based on the accessories purchased with your unit, refer to the schematics provided for electrical terminations found on pages 9-12.

**Kason Industries, Inc.**  
**1345 Hinge**  
**Door Adjustment Instructions**

**GreenGuard**  
 BY KASON INDUSTRIES

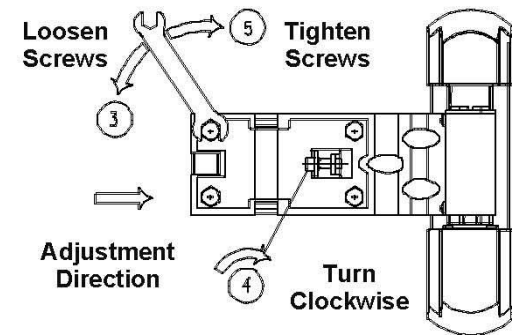


1. Remove 2 screws holding cover to hinge.



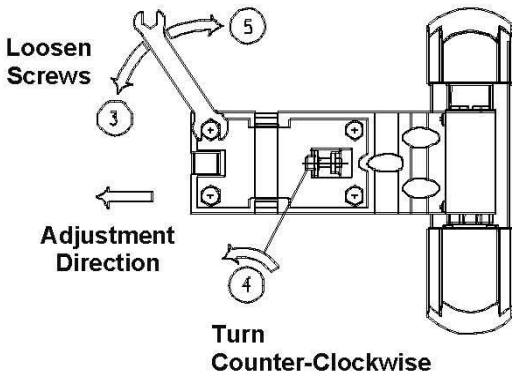
2. Gently lift cover to clear flange and slide as shown above.

**To Adjust Door Sag**



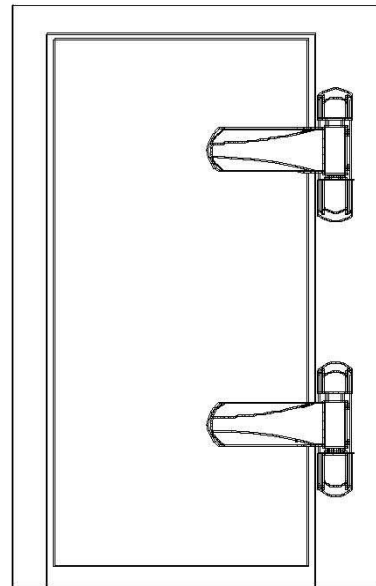
3. Loosen 4 mounting screws on each hinge.

4. Adjust door by turning top hinge adjustment screw clockwise and bottom hinge adjustment screw counter-clockwise so door spacing is even.



5. Tighten 4 mounting screws on each hinge.

6. Replace cover by reversing steps 2 & 1



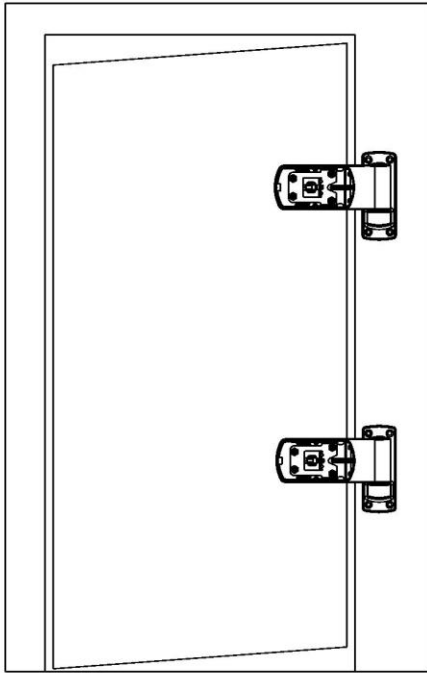
IS-1345-1 REV 2 5/27/11



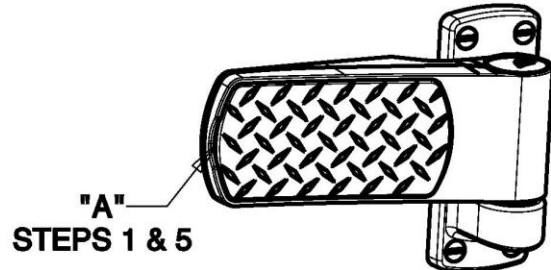
# Kason Industries, Inc.

## 1346 Hinge Door Adjustment Instructions

**GreenGuard**  
BY KASON INDUSTRIES

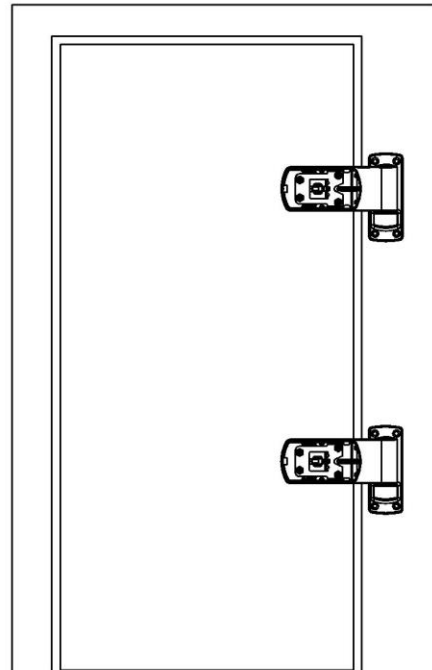
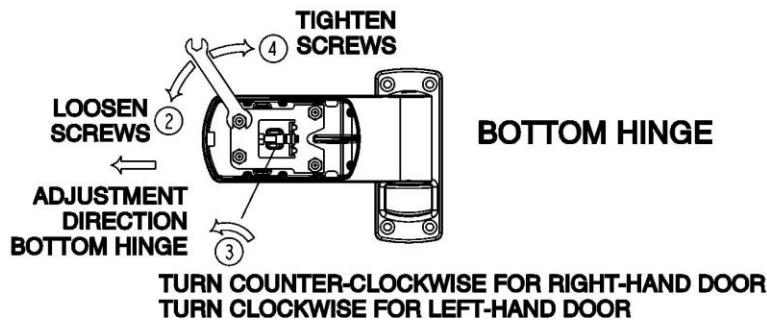
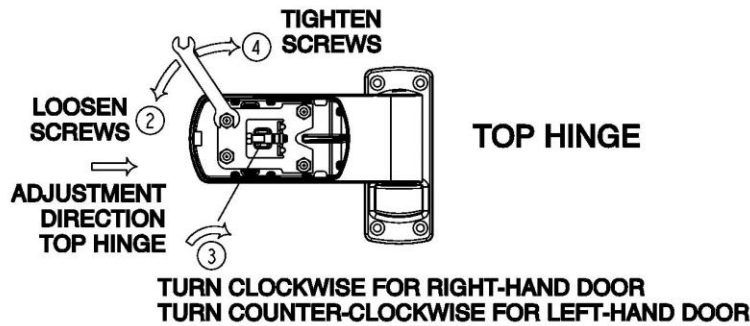


1. Remove access cover by depressing point "A" and pulling it outward.



2. Loosen 4 mounting screws on each strap, but do not remove screw.
3. Open door to break seal with magnetic gasket.
4. Adjust tip of door up by turning top hinge adjustment screw clockwise (opposite for Left Hand Door) and the bottom hinge adjustment screw counter-clockwise (opposite for Left Hand Door) so door spacing is even.
5. Tighten 4 mounting screws on each hinge.
6. Replace cover by inserting point "A" first.

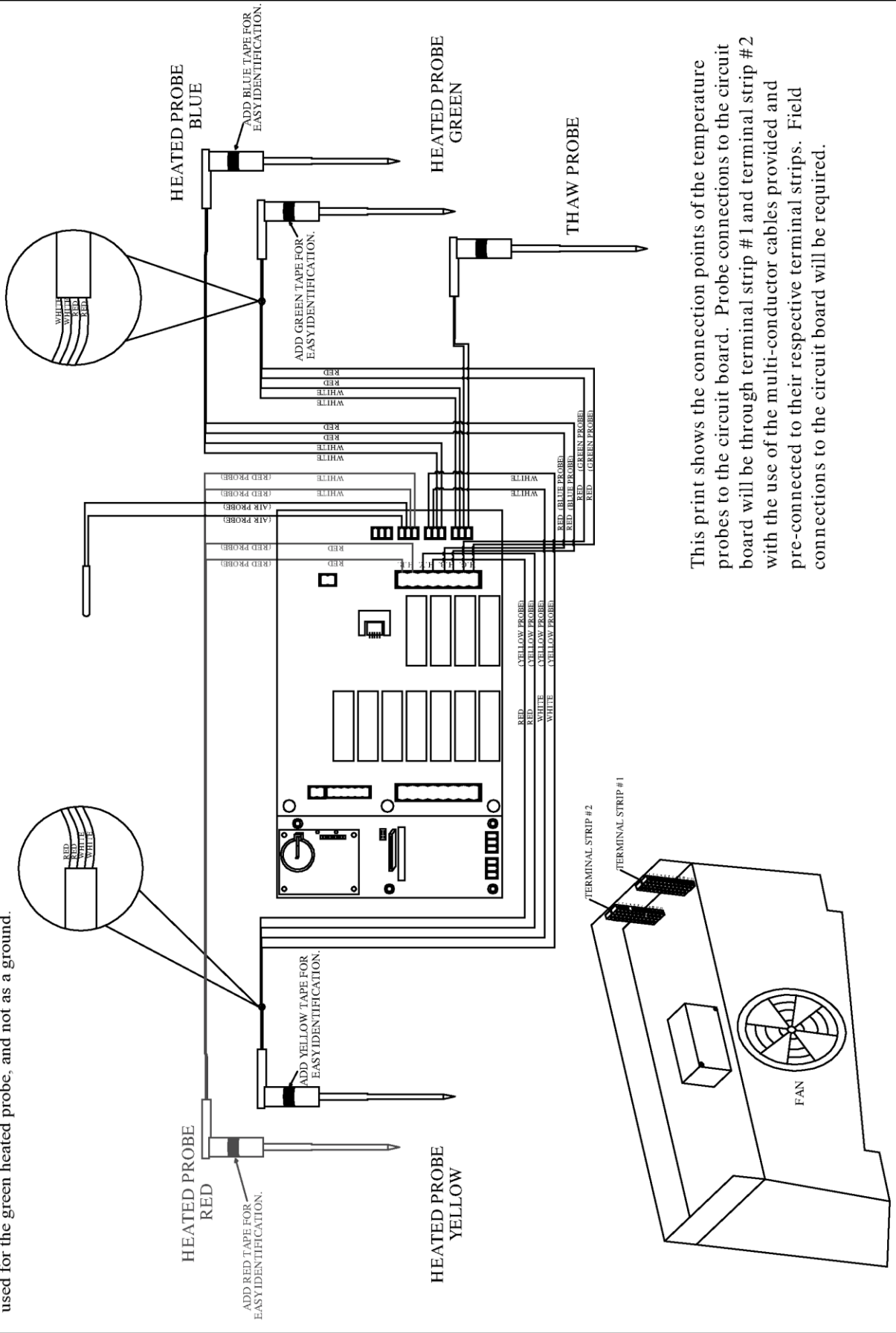
### To Adjust Door Sag



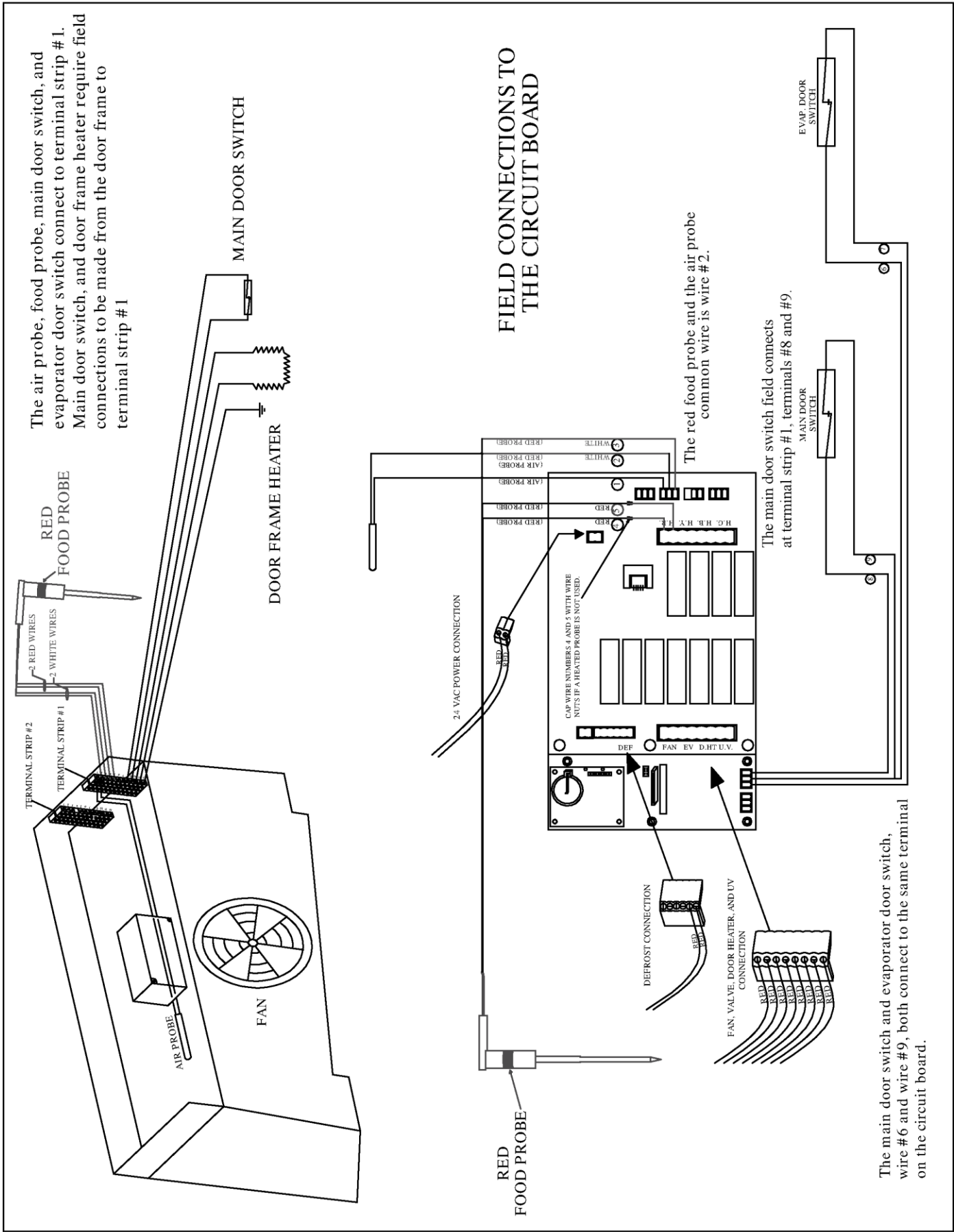
IS-1346-1 REV 0 10/24/12

# TEMPERATURE PROBE CIRCUIT BOARD CONNECTIONS

The air probe and red heated probe connect in at terminal strip #1. The thaw probe and additional heated probes connect in a terminal strip #2 through a multi-conductor cable with 12 wires. The green wire in the multi-conductor cable is to be used for the green heated probe, and not as a ground.



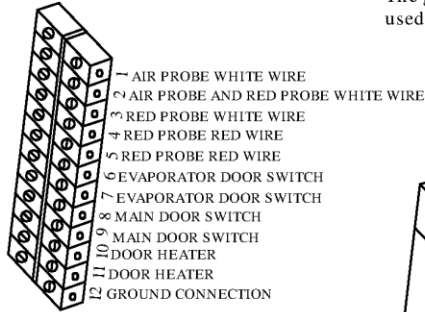
This print shows the connection points of the temperature probes to the circuit board. Probe connections to the circuit board will be through terminal strip #1 and terminal strip #2 with the use of the multi-conductor cables provided and pre-connected to their respective terminal strips. Field connections to the circuit board will be required.



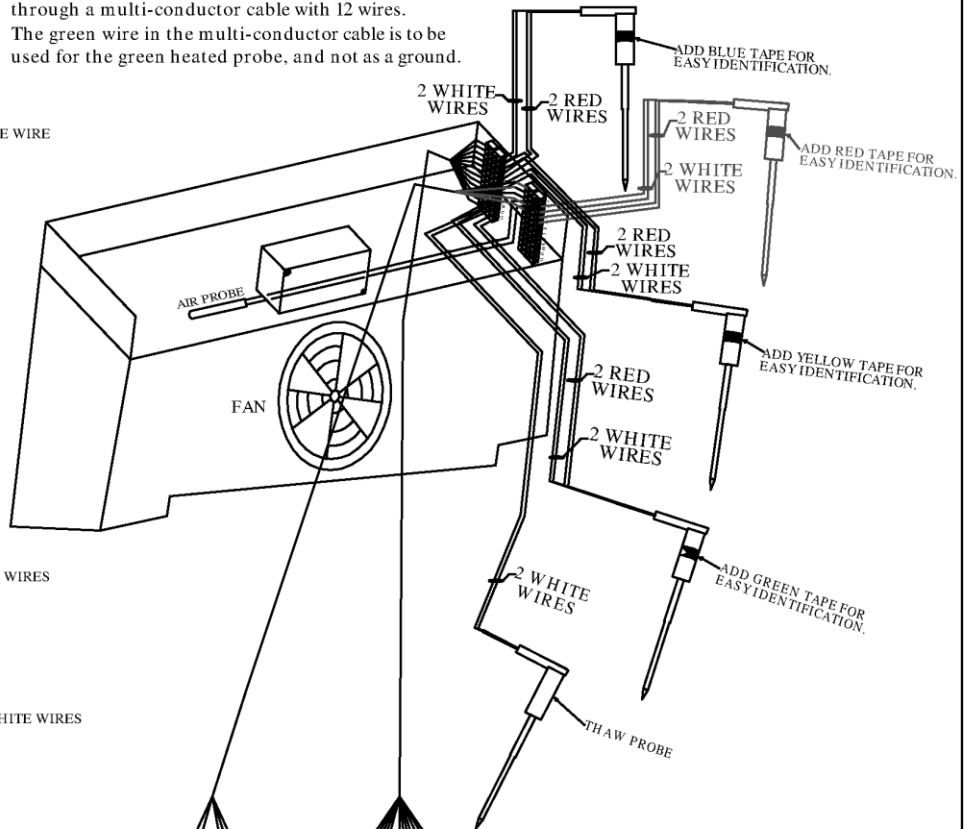
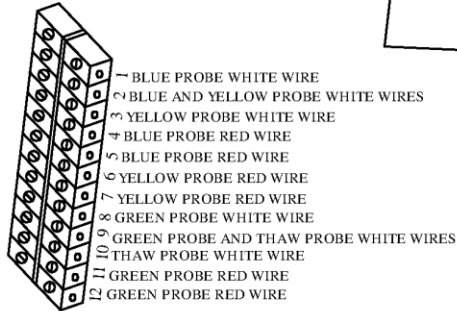
# TEMPERATURE PROBES CIRCUIT BOARD TO TERMINAL STRIP

The air probe and red heated probe connect in at terminal strip #1. The thaw probe and additional heated probes connect in at terminal strip #2 through a multi-conductor cable with 12 wires. The green wire in the multi-conductor cable is to be used for the green heated probe, and not as a ground.

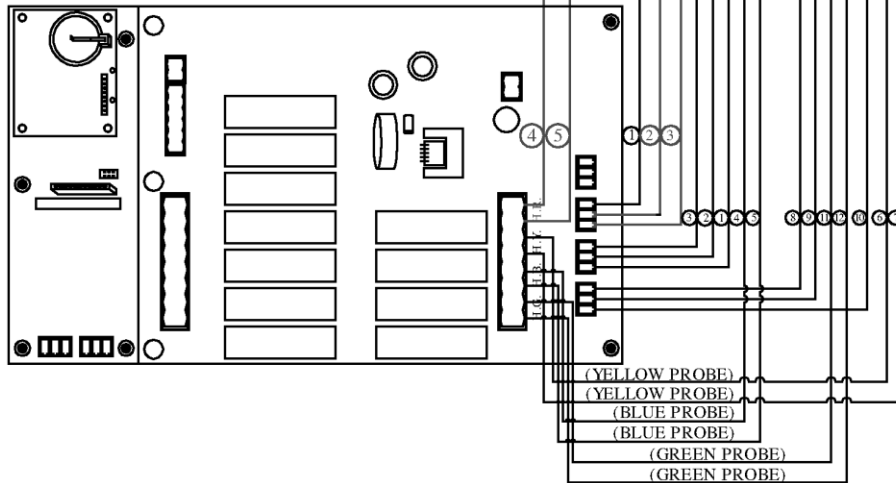
## TERMINAL STRIP #1



## TERMINAL STRIP #2



## FIELD CONNECTIONS TO CIRCUIT BOARD



Numbers indicate the numbers printed on the individual wires of the multi-conductor cable, and correspond with the terminal strip, #1 beginning at the top terminal block and #12 at the bottom.

