

Styleline[®] **RM**

DOE 2017
COMPLIANT
& REGISTERED



Installation Manual

STYLELINE[®]
GLASS DOOR SYSTEMS

032019_Rev1

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BEFORE YOU BEGIN:

Read these instructions completely and carefully.

FOR YOUR SAFETY:

Read and observe all CAUTIONS and WARNINGS shown throughout these instructions.



This warning does not mean that STYLELINE® products will cause cancer or reproductive harm, or is in violation of any product-safety standards or requirements. As clarified by the California State government, Proposition 65 can be considered more of a 'right to know' law than a pure product safety law.

When used as designed, STYLELINE® believes that our products are not harmful. We provide the Proposition 65 warning to stay in compliance with California State law. It is your responsibility to provide accurate Proposition 65 warning labels to your customers when necessary. For more information on Proposition 65, please visit the California State government website.



CAUTION:

Risk of injury. While performing installations described, gloves and safety goggles should be worn.



WARNING:

Risk of electrical shock. Disconnect power before servicing or installing product. Switch the power off at the service panel and follow appropriate lock out/tag out safety procedures.

Parts & Tools Needed for Installation:

Tools Supplied:

- Mounting screws
- Shims
- Silicone Tube



Tools Required:

- Tape measure
- Screwdriver: Phillips No. 2
- Hammer
- Crow bar
- Clamps
- Scissors/razor blade
- Ladder
- Level
- 13mm open wrench



Digital Materials Available On-line:

Download this manual and other informative materials from our website. QR-Code is also located in product label.

Scan QR Code



1- Locate the Model & Serial Number:

1.1 The model and serial number are located on the packing list, on the product label (**Figure 1**) or on the first left side frame facing the cooler. The model number consists of a combination of numbers and letters. Example: 041A-PNAALE7-APBLRLR.

The label also includes electrical data and QR Code.



by Commercial Refrigerator Door Company

THIS DOOR IS DESIGNED AND CERTIFIED FOR USE IN WALK IN COOLER APPLICATIONS

DATE OF MFG:

MODEL: 041A-PNAALE7-APBLRLR **HEATERS AMPS:** 0.59 **EC:** 3.26 kWh/DAY

SERIAL: 0058868-1-1-2 **LIGHTS AMPS:** 0.40 **120 VAC / 60Hz**

DESCRIPTION: 04-Door STYLELINE® CL (NT) G2 FRAME ONLY - **FINISH:** SMOOTH SATIN SILVER

LIGHTING: LED - **ENDLIGHT:** DOUBLE - **INLAY:** NONE - **HINGE:** LEFT - **LOCKS:** NO

Commercial Refrigerator Door | 6200 Porter Road, Sarasota FL 34240 | 800.237.3940 | 941.377.2850 - fax | www.styleline.com



Intertek

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Figure 1

2- Net Cooler Opening (NCO) Chart:

Door Size WxH	24" X 75"	30" X 75"	30" X 80"
NCO Height	75"	75"	81-5/8"

Door Lineup	Net Cooler Opening Width		
1	2'-1 1/8"	2'-7 13/16"	2'-7 13/16"
2	4'-0 13/16"	5'-2 1/4"	5'-2 1/4"
3	6'-0 1/2"	7'-8 11/16"	7'-8 11/16"
4	8'-0 3/16"	10'-3 1/8"	10'-3 1/8"
5	9'-11 7/8"	12'-9 9/16"	12'-9 9/16"
6	12'-0 3/4"	15'-5 3/16"	15'-5 3/16"
7	14'-0 7/16"	17'-11 5/8"	17'-11 5/8"
8	16'-0 1/8"	20'-6 1/16"	20'-6 1/16"
9	17'-11 13/16"	23'-0 1/2"	23'-0 1/2"
10	19'-11 1/2"	25'-6 15/16"	25'-6 15/16"
11	22'-0 3/8"	28'-2 1/2"	28'-2 1/2"
12	24'-0 1/16"	30'-8 15/16"	30'-8 15/16"
13	25'-11 3/4"	33'-3 3/8"	33'-3 3/8"
14	27'-11 7/16"	35'-9 13/16"	35'-9 13/16"
15	29'-11 1/8"	38'-4 1/4"	38'-4 1/4"
16	32'-0"	40'-11 7/8"	40'-11 7/8"
17	33'-11 11/16"	43'-6 5/16"	43'-6 5/16"
18	35'-11 3/8"	46'-0 3/4"	46'-0 3/4"
19	37'-11 1/16"	48'-7 3/16"	48'-7 3/16"
20	39'-10 3/4"	51'-1 5/8"	51'-1 5/8"

3- Unpack Frames:

3.1 Remove all wood from both sides of the frame package. Frames are shipped as "single and double side" crates (**Figure 2**).

3.2 Each line-up includes a set of tools listed on page 2, and an installation manual. Remove, and save for later use.

3.3 Remove the screws holding the frame(s) into the crate(s).

3.4 Remove the frame(s) from the crate(s). The frames should be removed from the side of the crate without corner braces. Safely set aside in the upright position.

3.5 Remove the stretch wrap holding the LED lights to the mullion (**Figure 3**).



Figure 2



CAUTION:

Risk of product damage. Be careful not to damage LED lights.



CAUTION:

Risk of product damage. Do not unpack doors until frames are installed.



Figure 3

4- Confirm Net Cooler Opening:

4.1 Confirm that NCO will accommodate the frames to be installed by checking dimensions. Net cooler openings can be found on page 4. **(Figure 4).**

NOTE: Frames are numbered on a green label located at the top left corner on the inside of the frame.

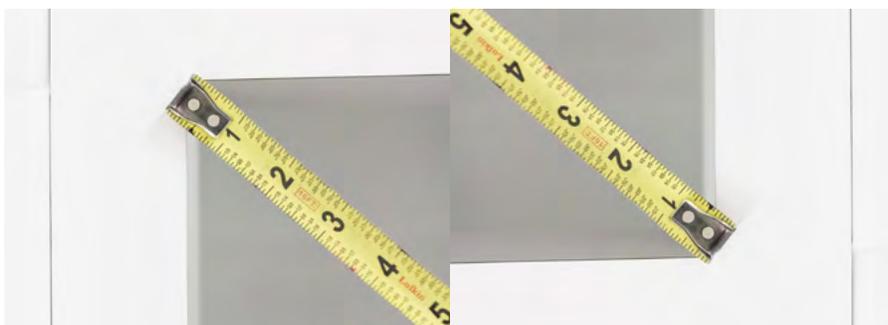


Figure 4



CAUTION:

Risk of product damage. The frame(s) are not designed to support any weight from the walk-in box. Make any necessary box modifications to ensure the frames slide easily into the opening.

5- Anti-Sweat Control Sensor Installation:

5.1 Lay frame flat on floor, facing up.

5.2 Locate and remove anti-sweat sensor kit packaging from the top of the frame. **(Figure 6)**

5.3 Remove foil tape from the frame to expose anti-sweat sensor wiring. **(Figure 7)**

5.4 Connect 4-prong terminal cable to sensor **(Figure 8)**

5.5 Attach bracket to the frame. **(Figure 9)**

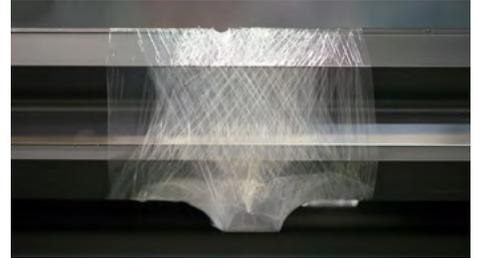


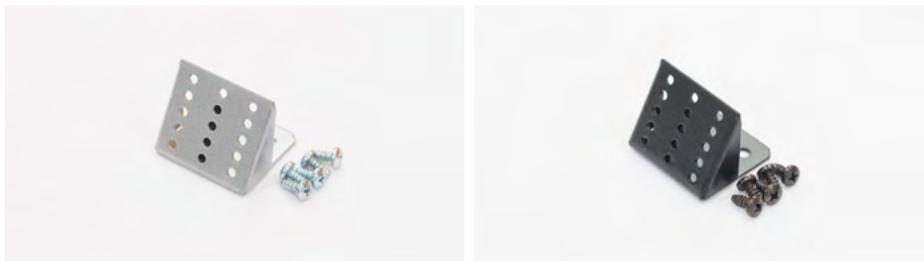
Figure 6



Figure 7



Figure 8



Anti-sweat Sensor Kit. Supplied with Normal Temp Doors and Low-temp Doors. Silver for Silver Frames. Black for Black Frames.



Figure 9



Anti-sweat Sensor Installed

6- Set Frames Into the Net Cooler Opening:

6.1 Set frame #2 next to frame #1. Clamp in place.

6.2 Align the top and bottom of the two frames; butt them together to make a quality joint as shown on **(Figure 10)**. Ensure that all top flanges are level. Ensure that the frame and flange are plumb to the surface of the cooler all around the NCO.

6.3 Repeat steps 3 and 4 for all remaining frames.

6.4 Center the lineup (left to right) in the opening. Make sure the lineup is square by measuring diagonals on one of the frames – within 1/8”.

6.5 Install all bottom mounting screws - do not tighten. If there is any gap at any bottom mounting screw, install shims. Tighten all screws.

6.6 Reconfirm the diagonal measurements **(Figure 11)**.

6.7 Install all side mounting screws - do not tighten. If there is any gap at any mounting screw, install shims. In addition, it is especially important to shim the top two corners of the frame lineup to prevent the top of the frame from shifting left or right. Tighten all screws. Reconfirm diagonal measurements and adjust mounting screws and shims accordingly **(Figure 12)**.

6.8 Install all top mounting screws - do not tighten. If there is any gap at any mounting screw, install shims. Tighten all screws.



* Front of Frame

Figure 10



Figure 11



CAUTION:

Risk of product damage. Do not over-tighten mounting screws. Over-tightening of screws may cause distortion and/or twisting of the frame.

6.9 Trim off all excess shim stock. **(Figure 13)**.

IMPORTANT: Fill all gaps with caulk between the back of the frames and the buck opening. This includes the back side of the frame joint behind the seam jacket. **(Figure 14)**.

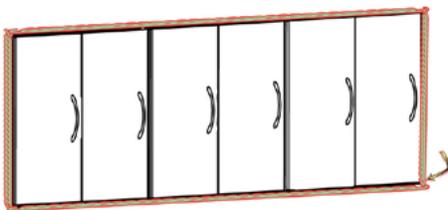
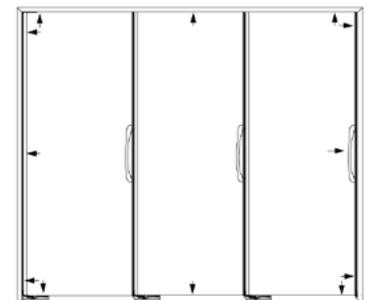


Figure 14



Figure 13



Frame-to-Cooler Fastener Locations - Figure 12

7- Unpack Doors:

- 7.1 Remove the plastic stretch wrap from the door packs (**Figure 15**).
- 7.2 Remove the two wood boards at the top.
- 7.3 Cut the steel band on ONE END ONLY and remove the end of the crate.
- 7.4 Cut the center band and remove the wood board from the top.
- 7.5 Fold the cardboard back over the remaining band.
- 7.6 Remove one door at a time from the package.
- 7.7 Remove any protective plastic wrap from the door(s) and set them aside for later installation.



Figure 15



CAUTION:

Risk of product damage. Do NOT remove the remaining end band; all the doors will fall if the remaining band is cut.

Risk of product damage. Do not lift doors by the handle.

8- Install Doors into Frame(s):

8.1 Insert the spring, bushing and pin in the top of door. Lift the door and insert the bottom hinge pin into the bottom hinge socket. Rotate the top of the door under the top pin while holding down the top hinge pin. Once the hinge pin is under the top socket, maneuver the door until the hinge pin pops into the socket. **(Figure 16).**



Figure 16

8.2 Ensure the hinge pin is fully engaged into the hinge plate as shown. **(Figure 17).**

8.3 Use a flat blade screwdriver to lift the door retainer over the shoulder screw. Open and close the door to verify hinge pins are fully seated and door is held in place. Install remaining doors before adjusting doors. **(Figure 18).**

8.4 Use door alignment correction guideline image as reference. **(Figures 19).**



CAUTION:
Risk of product damage. Do not lift doors by the handle.



CAUTION:
Risk of product damage. Do not over-torque door — no more than 8 “clicks.”.

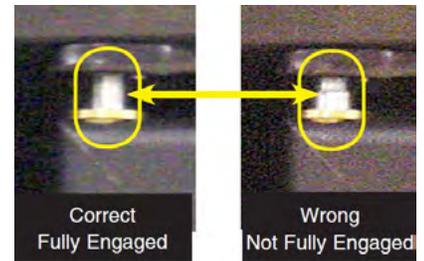
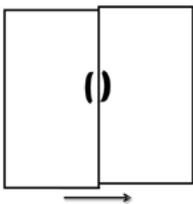
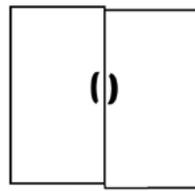


Figure 17



To Correct Shift the Bottom Plate to the Right



To Correct Shift the Bottom Plate to the Left

Door Alignment Correction Guideline - Figure 19



Figure 18

9- Adjust Door Alignment:

NOTE: After all the doors are installed, some doors may need to be adjusted for good fit and finish. Effort to open door handle should not exceed 25 lbs. maximum force.

9.1 Adjust closing torque by turning the bottom hinge pin in the direction the door closes. Use a 1/2 in. (13 mm) wrench. Turn the hinge pin until the door closes on its own, usually 3 to 4 clicks or 3/4 turn. **(Figures 20).**



Figure 20

CAUTION:

Risk of product damage. DO NOT over-torque the hinge spring assembly. Excessive torque (over 1 full turn) will result in damage to the spring assembly and/or door. If door does not close on its own after one full turn (5 clicks), look for obstructions causing the door to hang up.



10- Adjust Door SAG:

10.1 To adjust door sag (saw-tooth effect from door to door), loosen the two hinge plate mounting screws using a Torx Plus no. 27 bit. Adjust hinge plate as needed, then tighten the screws. **(Figures 21).**

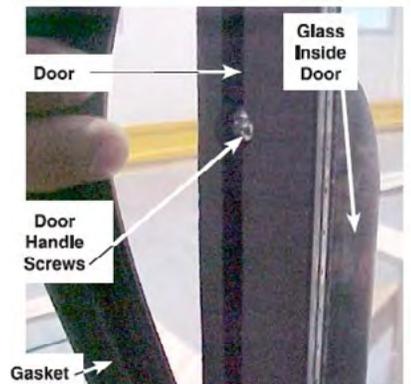


Figure 21

11- Installing Door Handle:

11.1 Carefully lift the magnetic gasket away from the door frame nearest the handle location to expose the mounting screws holes as shown. **(Figures 22).**

Install handle and screws carefully (if gasket is damaged, it must be replaced). After installing screws, gasket should again lie flat. If needed, use a mild soap and water solution to lubricate the gasket. Clean and dry the gasket to complete the door handle installation.



Lift Gasket at Handle Location

Figure 22

CAUTION:

Door handles packaging. Door handles do not come installed. Handles are shipped in a box with your order.



Job Notes:



STYLELINE® warrants its products against defects in workmanship and materials for a period of 2 years from date of shipment. STYLELINE LED Plus light strip and Power Supply are warranted against defects in workmanship and materials for 5 years. In addition, Commercial Refrigerator Door Company warrants its insulating glass against condensation between lites of glass for a period of 10 years for unheated glass.

Under this warranty, Commercial Refrigerator Door Company's liability is specifically limited to repairing or replacing, F.O.B. Commercial Refrigerator Door Company's factory, at our option, any part of the product determined by Commercial Refrigerator Door Company to be not in conformance with this warranty. This warranty does not include any on-site repair or replacement costs.

The customer service department will provide written authorization to either return or field-scrap the defective part. Upon receipt of the defective part, warranty status will be verified and an appropriate credit issued.

This warranty shall not apply to any product which is repaired or altered without our acknowledgment and consent, operated or installed contrary to our instructions, subjected to misuse or improper maintenance, damaged by accident or negligence, or not paid for in full.

This warranty is extended to the original purchaser and is in lieu of all other warranties, expressed or implied, including but not limited to warranties of merchantability or fitness for a particular use.

THERE ARE NO WARRANTIES OTHER THAN THAT DESCRIBED HEREIN AND NO REPRESENTATIVE OF Commercial Refrigerator Door Company HAS AUTHORITY TO ALTER THIS WARRANTY.



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