

Reach-in End Merchandisers

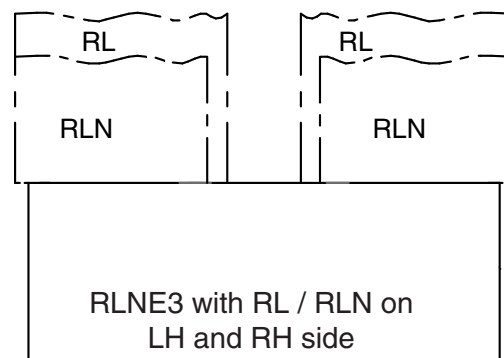
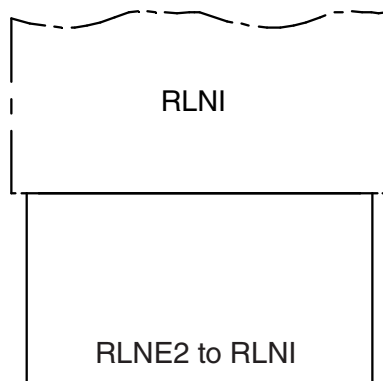
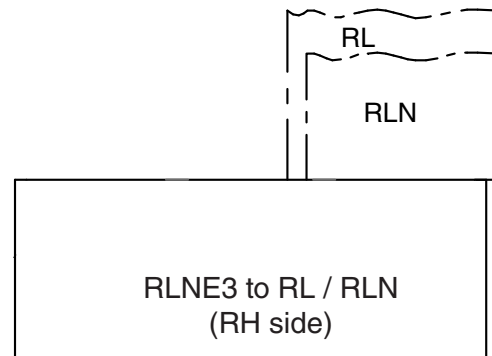
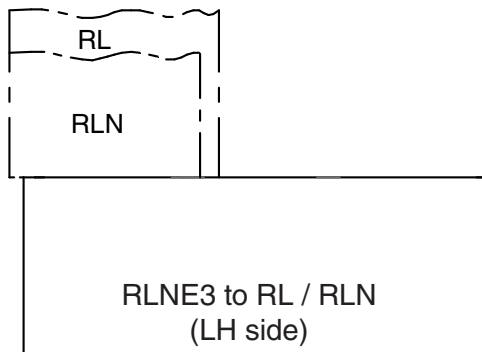
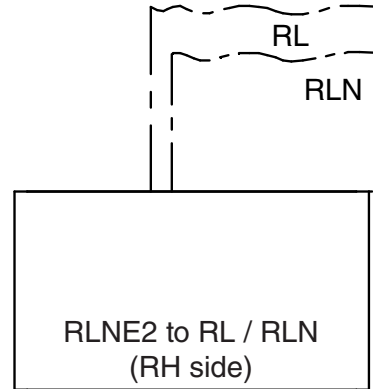
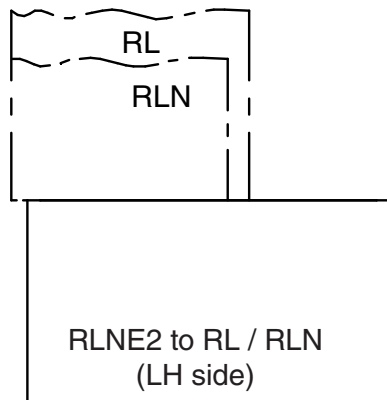


Use this Joining Instruction for joining RLNE end cases. Refer to Reach-In IO Manual P/N 0387183 for all other Installation, Service and Maintenance Instructions.

Joining Configurations for RLNE End Case

RLNE cases are designed to be joined to the end of a parent case.

RLNE cases are not to be used without joining to another RL, RLN or RLNI case.



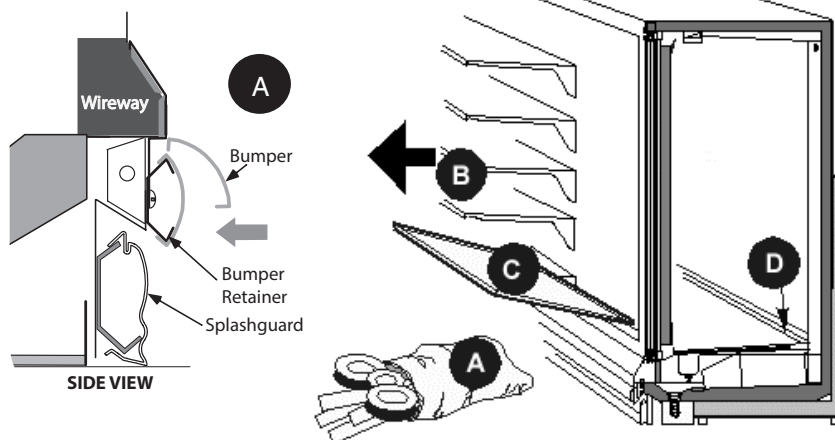
RLNE / RL / RLN / RLNI

PREPARATION FOR JOINING

RLNE End cases must be positioned first, including leveling and squaring up to parent case, before joining the rest of the lineup.

NOTE

To join an End case on a lineup, a joining kit is required. Carefully unpack and inspect the joining parts listed. See next page for Joining Kit Parts List.



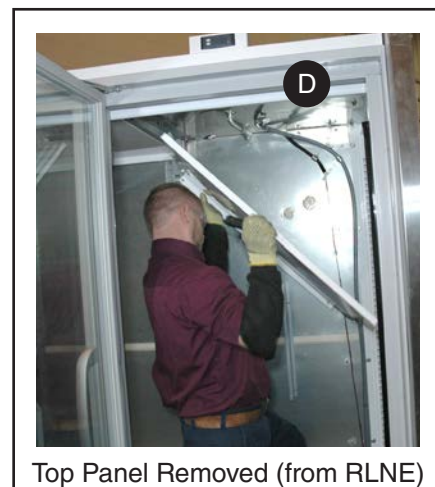
1 Prepare cases for joining RLNE to RL, RLN or RLNI

A. Remove packing materials, bumpers and splashguards from joining and end cases.

B. Remove shelves (if installed).

C. Remove deck pans.

D. On the RLNE end case, remove top panel and two back panels when joining (RL), remove top panel and one back panel (RLN), remove all top panels and back panels (RLNI)



Top Panel Removed (from RLNE)

Splashguard brackets must be installed before piping or wiring case.

PARTS LIST

QH81 LH Kit and QH82 RH Kit for RL / RLN
 QH83 Kit for RLNI

DESCRIPTION**QUANTITY**

	RL / RLN	RLNI
BOLT TAP 5/16-18 x 3.5 HEX	10	17
WASHER-FLAT 5/16WI ZINC	16	30
LOCK WASHER 5/16 SPLT STL	10	12
NUT-HEX 5/16-18 STEEL ZINC	8	15
SCREW-CASE END SHOULDER B	5	10
MOULDING END JOINT BLACK	1	2
GASKET 1"X 1/2" X 90"	4	8
RECTANGLE WASHER JOINING RLNE (TOP PIPING)	1	2
NUT-HEX W/FLANGE 3/8-24	1	2
SCREW-S M 10-16 X 3/4 A H	4	2
5/16 x 2"OD ZP FENDER WASHER (BOTTOM JOINING)	1	2
END ASSY-CLOSEOFF O/C INT/EXT RLNE	1	2
SCREW-SM 8 X 1/2 PHLL AB (END ASSY-CLOSEOFF)	1	2
BRACKET-END CL/O LH/RH RLNE	1	2
SCREW SM SLFDRIL 8-18X1/2 HX HD ST ZP W/SERRA	2	4
BUTYL SEALER CAULK	1	2
SPACER-FLAT FOAM ASSY RLNE	5	10
RETAINER PANEL	1	2

PREPARATION FOR JOINING CONTINUED...

RLNE TO RL, RLN, RLNI

E. Remove any alignment pins (if installed) from the joining cases. Remove joint moulding (if installed) from any door frames that will be joined to another case.

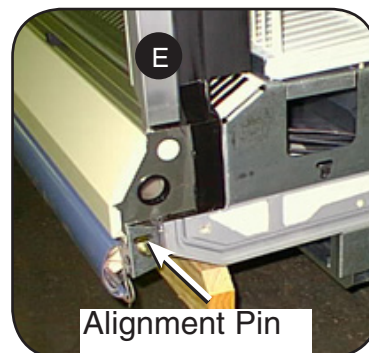


Figure 1: Remove Alignment Pin
(One From Each Side of Island Models)

- 2** Locate and remove the shipping block in the center of the heat exchanger in the interior bottom of each case, see Figure 2.

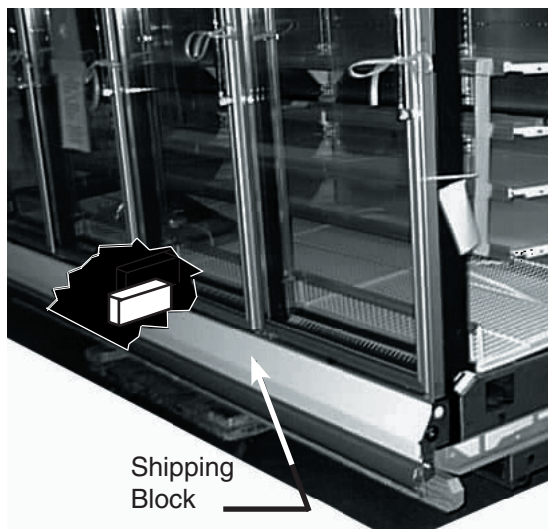


Figure 2: Remove Shipping Block
(One From Each Side of Island Models)

- 3** Remove the shipping braces from the ends of the joining cases, (Figure 3. **Discard bolts and flat washers used to hold shipping braces, (bolts are too long to be used for joining.) Keep nut retainers for joining.**)



**DO NOT USE
SHIPPING BOLTS
TO JOIN CASES!**

RL / RLN / RLNI

Figure 3: Remove Shipping Braces

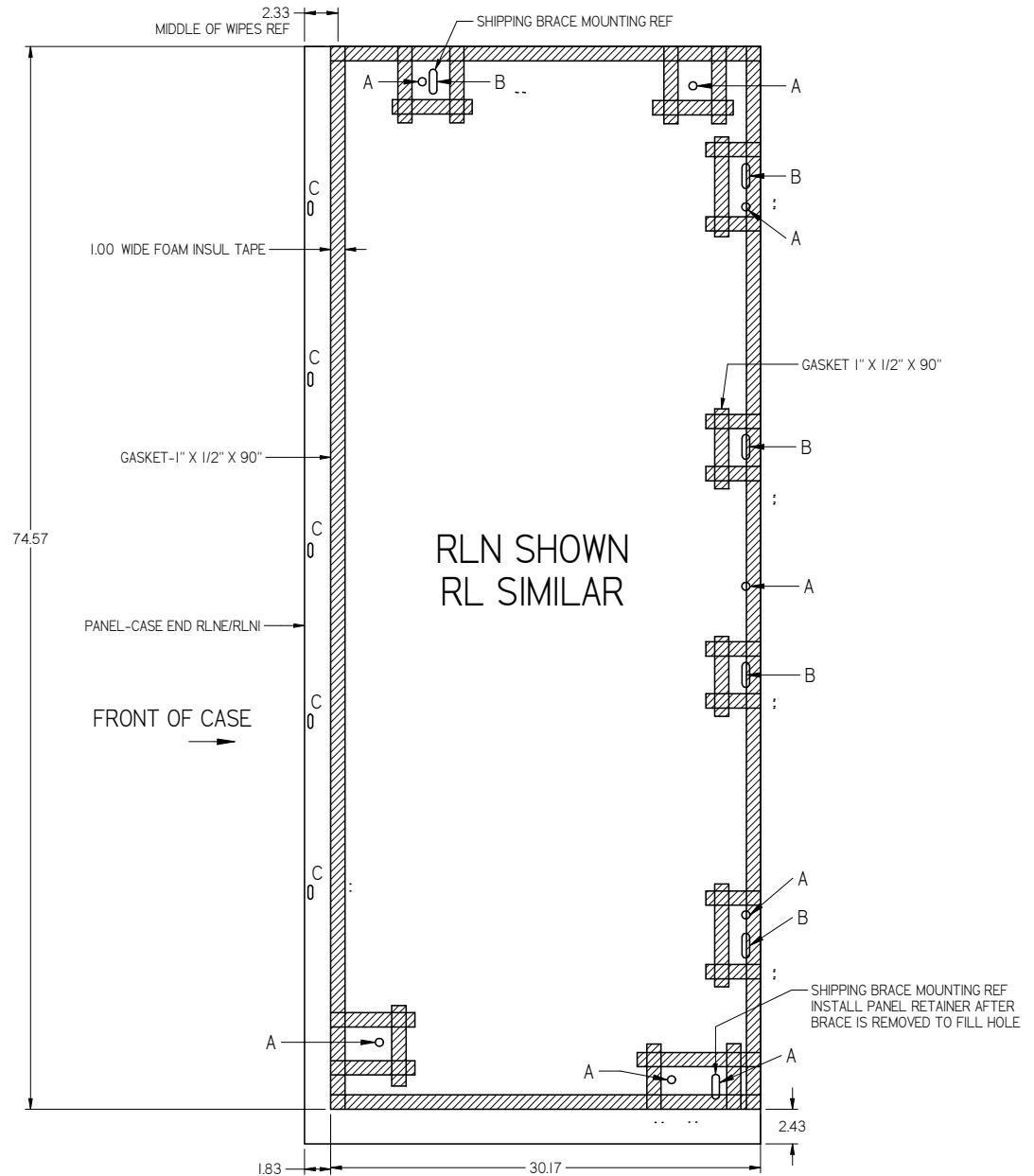
APPLY GASKET

RLNE TO RL, RLN, RLNI

- 4** Apply 1 in. x ½ in. gasket to partition as shown. Each joining hole location must have a gasket around it.

All joints must be air-tight to prevent formation of ice or condensation.

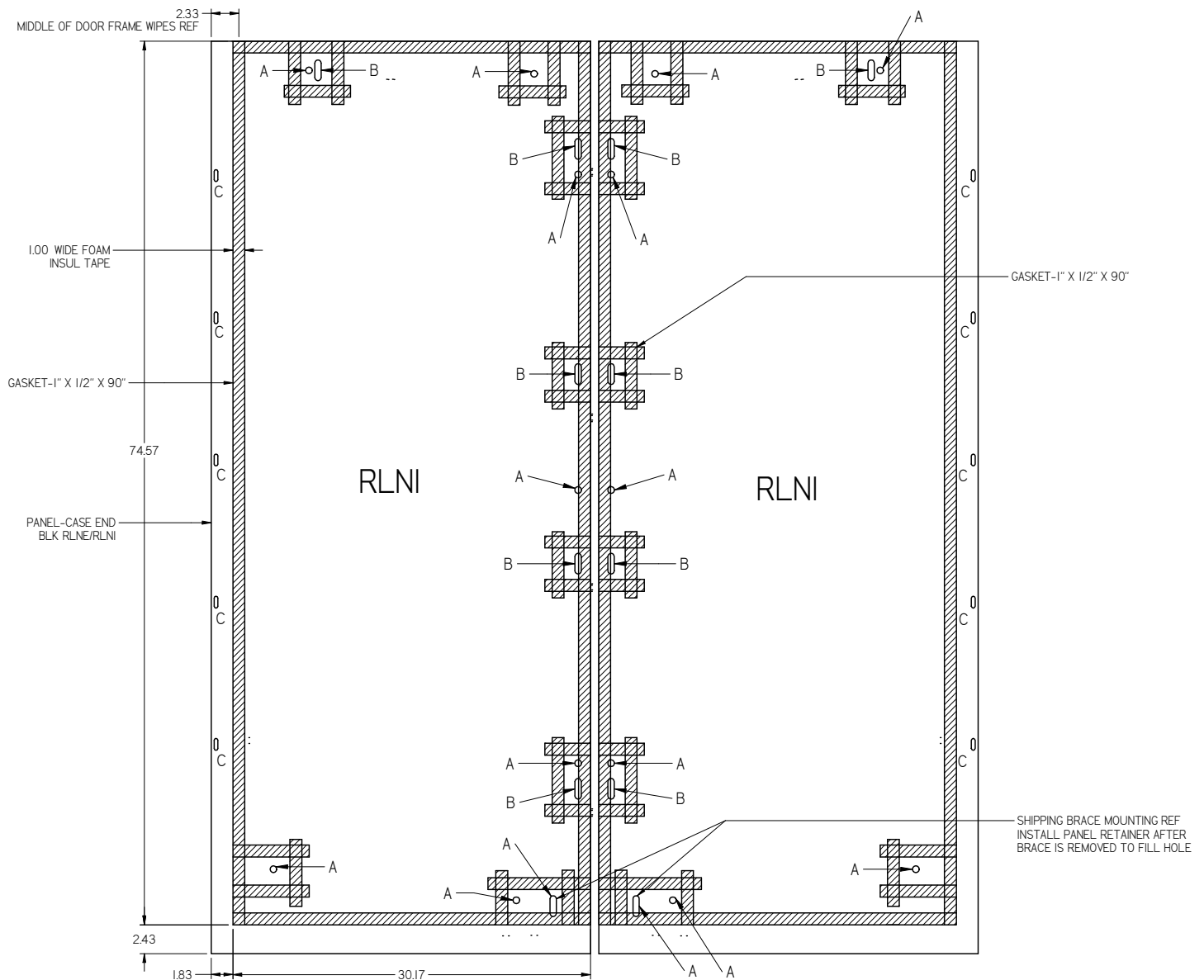
Gasket Locations for RL, RLN



- A = (8) RETAINER-PANEL NYLON 11MM STEM X 28MM
 B = (5) SCREW-CAP 5/16-18 HEX STEEL ZINC
 (10) WASHER-FLAT 5/16W ZINC
 (5) LOCKWSHR 5/16 SPLT STL
 (5) NUT-HEX 5/16-18 STEEL ZINC
 C = (5) SCREW-CASE END SHOULDER B

All joints must be air-tight to prevent formation of ice or condensation.

Gasket Locations for RLNI



- A = (16) RETAINER-PANEL NYLON 11MM STEM X 28MM
 B = (10) SCREW-CAP 5/16-18 HEX STEEL ZINC
 (20) WASHER-FLAT 5/16" ZINC
 (10) LOCKWSHR 5/16 SPLT STL
 (10) NUT-HEX 5/16-18 STEEL ZINC
 C = (10) SCREW-CASE END SHOULD B

**APPLY GASKET AND SEALANT
RLNE TO RL, RLN, RLNI**

A. Apply 1 in. x ½ in. gasket around each joining hole location as shown.

B. Apply Butyl Sealer Caulk to inside perimeter of Gaskets.

Do not butt gaskets! Overlap gaskets as shown.

RLNI shown with Gasket Applied

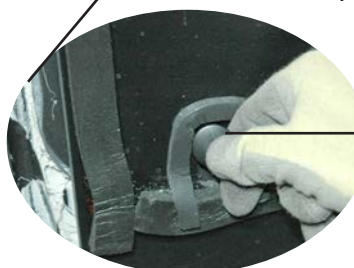


RL shown with gasket applied

Add 1 in. x ½ in. gasket around perimeter as shown



Figure 4: Apply Butyl Sealer



Add Panel Retainer after shipping brace is removed. This joining location will not be used.

DRILL JOINING HOLE LOCATIONS RLNE TO RL, RLN, RLNI

5 The foam in the joining hole locations on the back of the RLNE need to be drilled out and removed. Refer to Page 10 to determine which locations need to be drilled for the case that is to be joined.

A. Drill a 1/8 in. hole inside the shelf support slots **from the inside** of the RLNE.

B. Drill a 13/16 in. hole (to remove the foam) **from outside** back of RLNE to inside of RLNE. Drill about 2 in. deep.

C. Clean out the foam from the hole.

D. Insert PVC Spacer (from the joining kit) into holes in foam panel of RLNE.

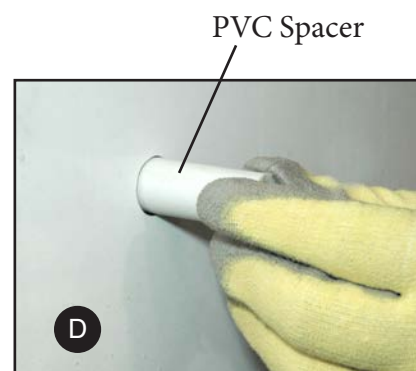
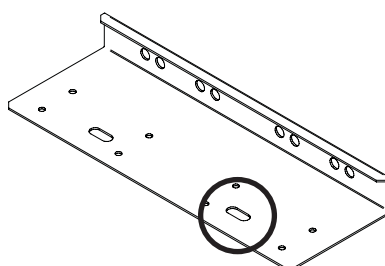


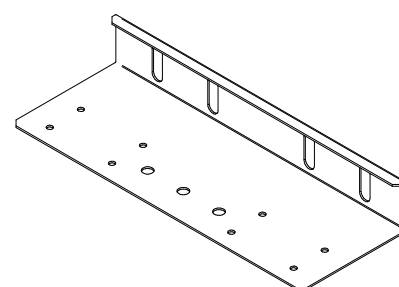
Figure 5: Drill out Joining Holes

Failure to use PVC Spacers may result in damage to the merchandiser(s).

6 Place joining case brackets on top of joining case(s) (RL / RLN or RLNI). Attach only one nut loosely. 4 screws will be installed later in the bolt tightening sequence.



RL, RLN, RLNI
Top Joining Bracket



RLNE
Top Joining Bracket
(already installed)

Figure 6: Loosely Attach Top Joining Brackets to Top of Joining Cases

- 7** Move joining case(s) behind RLNE as close and as evenly as possible, aligning joining bolts. Level the joining cases, place shims underneath the case as needed for leveling.

Do not attempt to draw cases together using joining bolts and nuts. This may cause damage to the merchandiser(s).



Figure 7: Level Cases with Shims

- 8** Install bolts through drilled joining hole locations. Pass bolt through inside of joining cases into RLNE.

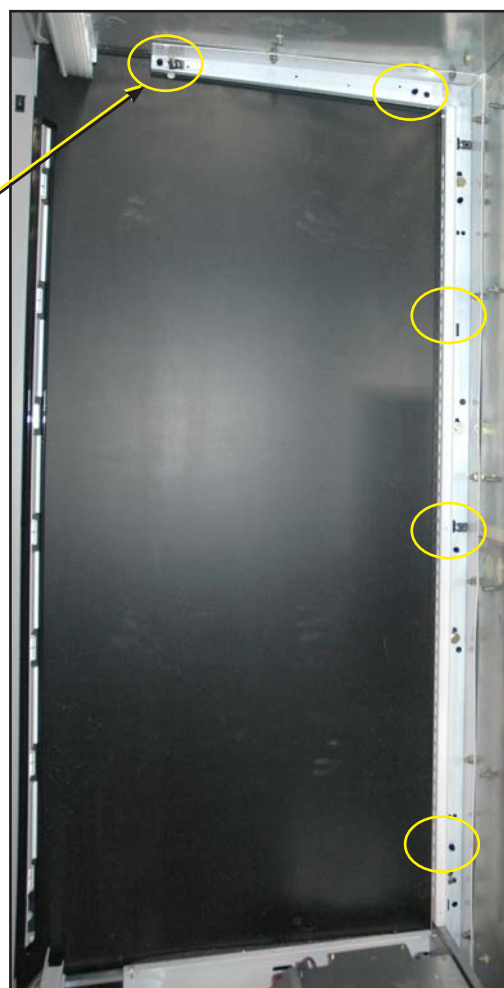
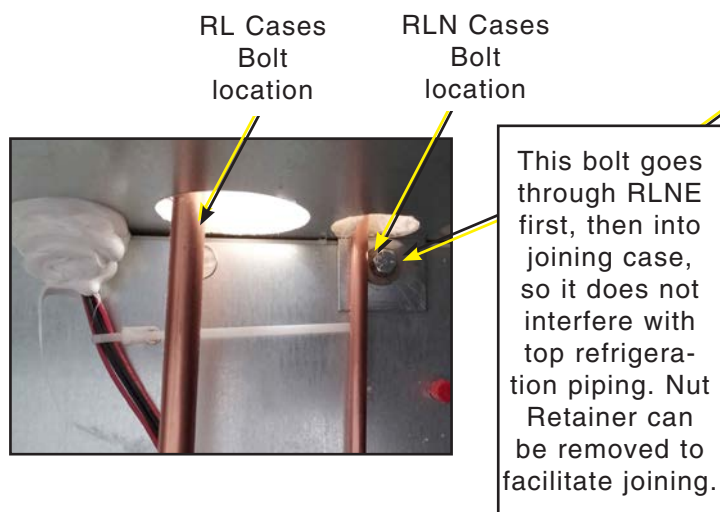


Figure 8: Bolt Locations inside RL, RLN, RLNI



RLNE bottom joining location (outside of case)



RL/RLN/RLNI (outside of case joining location)

Joining Bolt Hole Locations on RLNE

9 The joining bolt locations on the back side of the RLNE are shown in Figure 9. Use these locations for the RL, RLN or RLNI joining bolts as required.

NOTE:
See bolt tightening order on next page.

There is a bolt tightening order that must be followed! Damage to the merchandiser(s) may occur if this tightening order is not followed. Merchandisers may not be drawn together with nut and bolt!

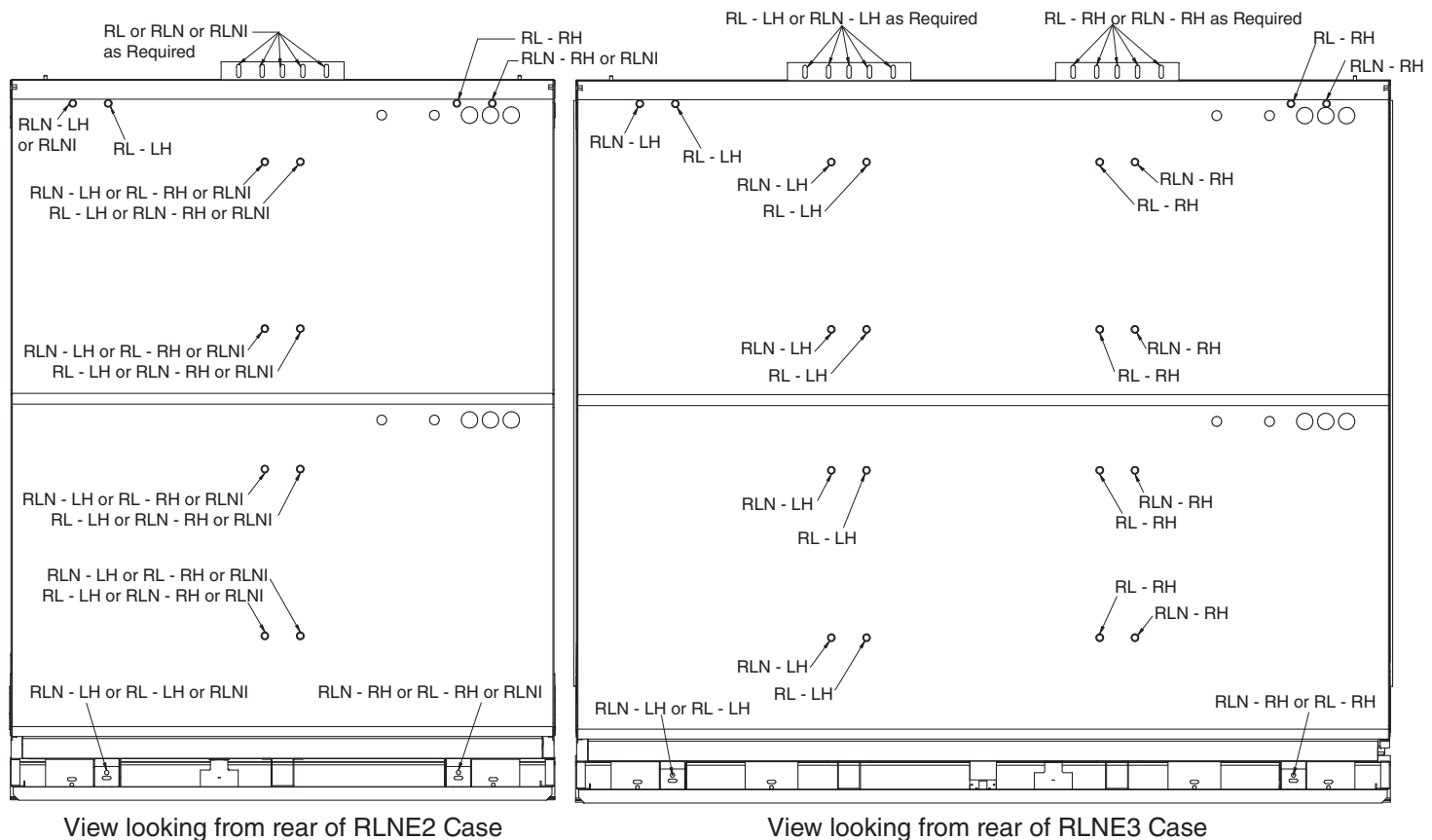


Figure 9: Joining Locations on back side of RLNE

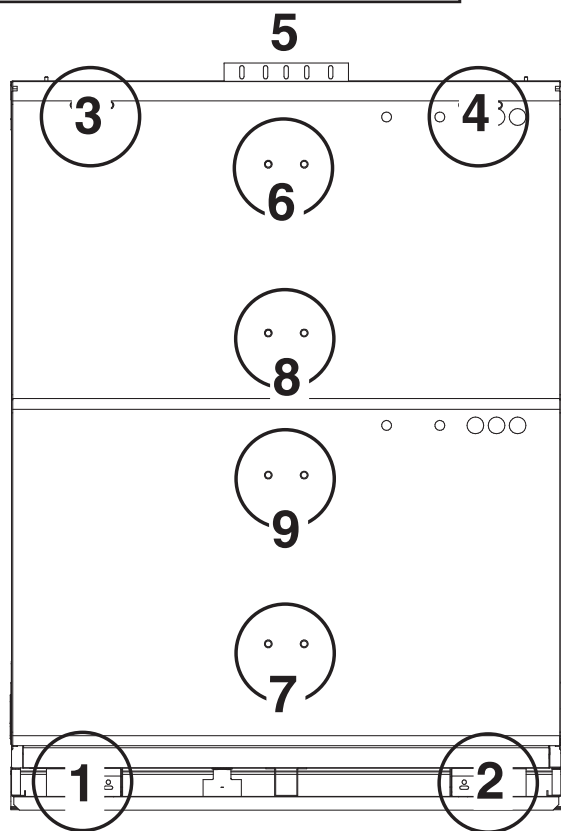
10a Bolt Tightening Sequence for RLNE2

- A.** Loosely attach the joining bolt location with 5/16 bolt, washer and hex nut as shown in **1, 2, 3, 4, 5** below. (Locations **2** and **4** are only used for RLNI)
- B.** Finger tighten locations **6, 7, 8, 9**
- C.** Lightly torque locations **6, 7, 8, 9**
- D.** Next, lightly torque locations **1, 2, 3, 4, 5**
- E.** Complete bolt tightening at locations **6, 7, 8, 9**
- F.** Complete torque at locations **1, 2, 3, 4, 5**

10b Bolt Tightening Sequence for RLNE3

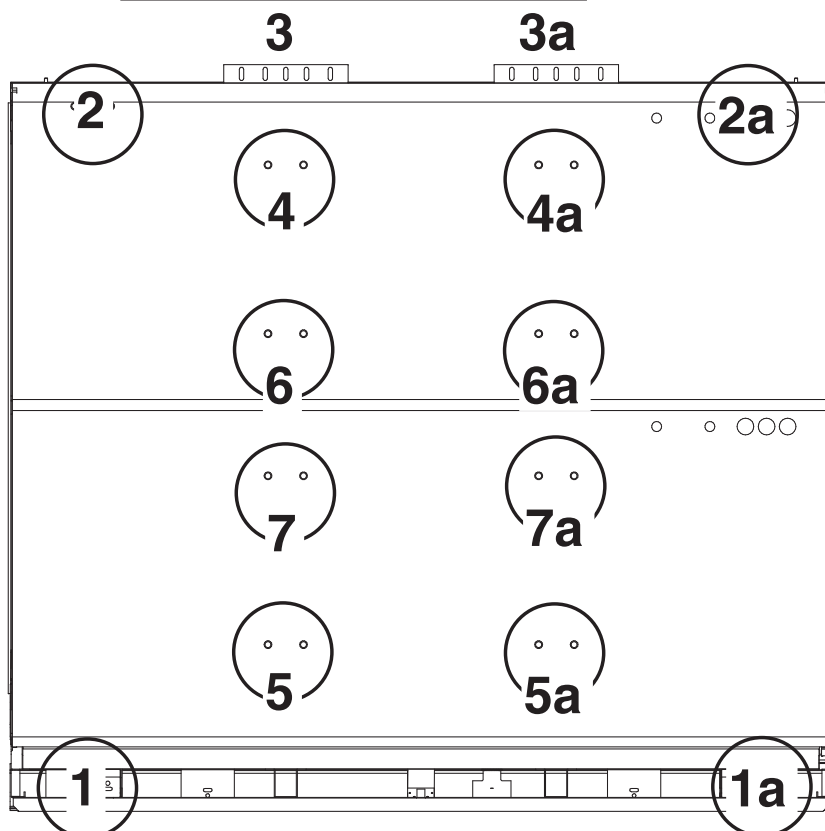
- A.** Loosely attach the joining bolt location with 5/16 bolt, washer and hex nut as shown in **1, 2, 3** below. (Locations **1a - 7a** are for RH RL or RLN - tighten similar)
- B.** Finger tighten locations **4, 5, 6, 7**
- C.** Lightly torque locations **4, 5, 6, 7**
- D.** Next, lightly torque locations **1, 2, 3**
- E.** Complete bolt tightening at locations **4, 5, 6, 7**
- F.** Complete torque locations at **1, 2, 3,**

10a RL, RLN, RLNI



View looking from rear of RLNE2 Case

10b RL, RLN



View looking from rear of RLNE3 Case

Figure 10: Bolt Tightening order on back side of RLNE

11 Install T Moulding

A. Slide the T Moulding in the gap between end case and joining case.

B. Use Shoulder Screws to secure T Moulding in place. Trim any excess moulding at the top of the case.

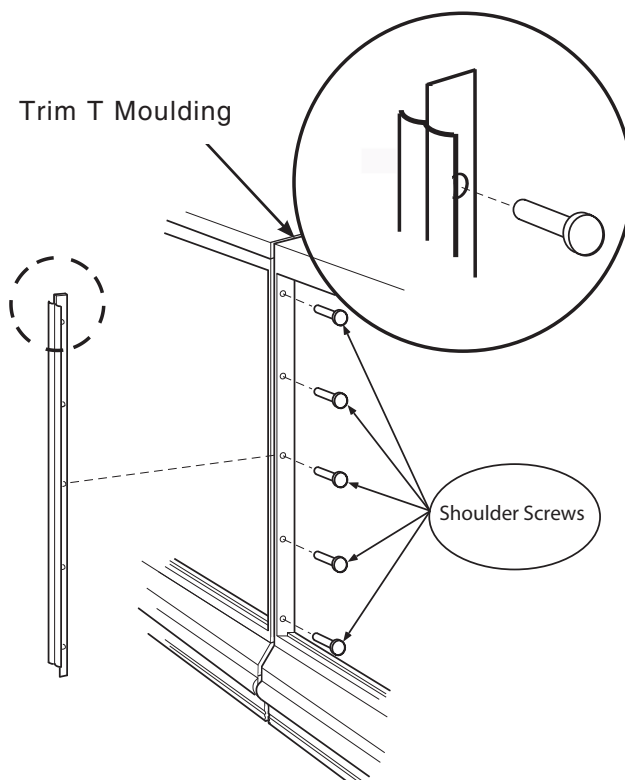


Figure 11. Installing T Moulding

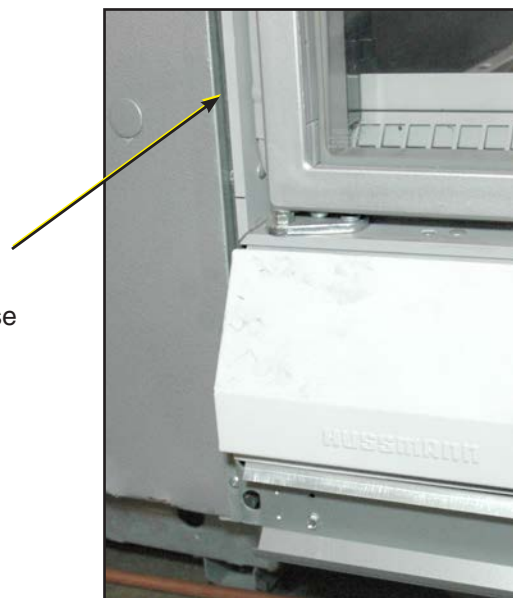
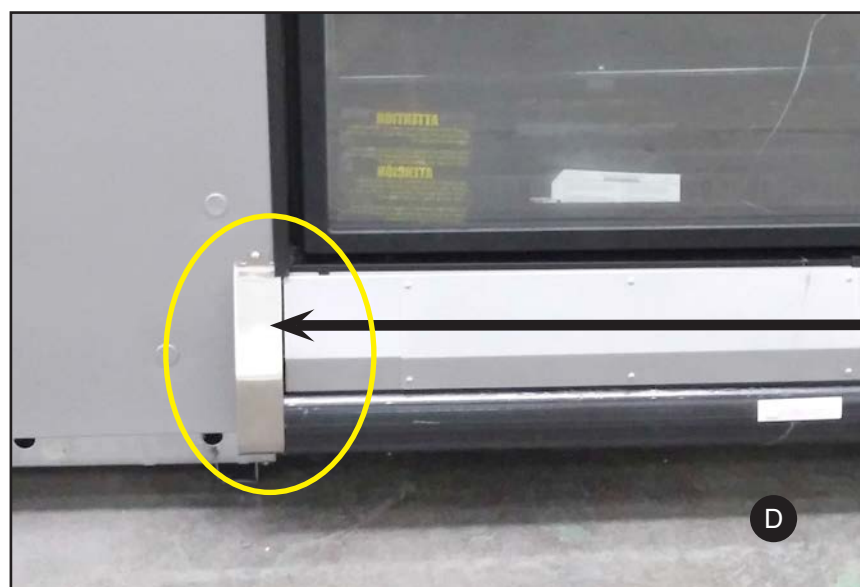


Figure 12: T Moulding Installed Between Joining Case and End Case

12 Install End Cap (from joining kit)

- A. Install bracket
- B. Secure bracket to end cap
- C. Secure top end cap to RLNE
- D. End Cap shown correctly installed



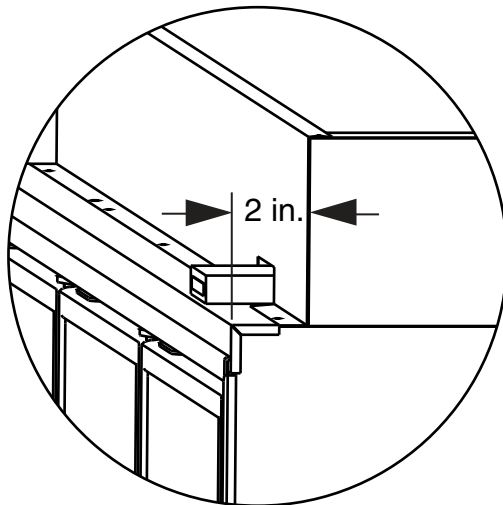
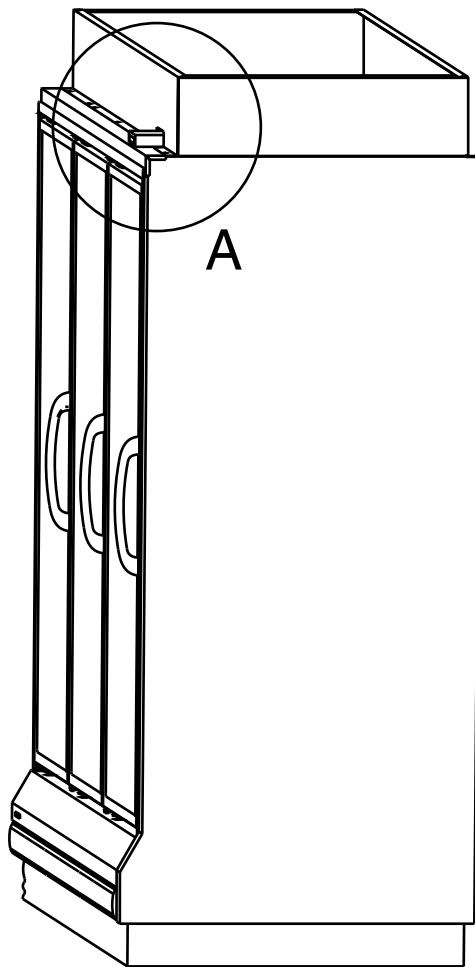
**End Cap
Installed**

Optional Rear Close-off Kit Installation

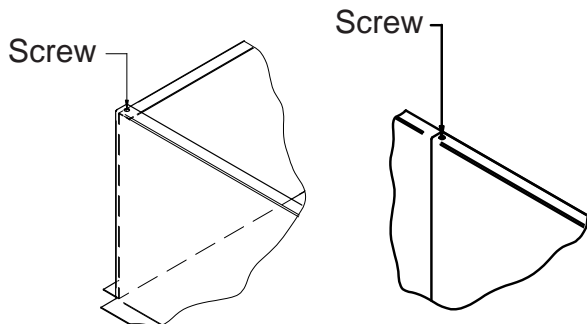
Attach Corner Bracket with Sheet Metal Screws
as shown in the illustration.



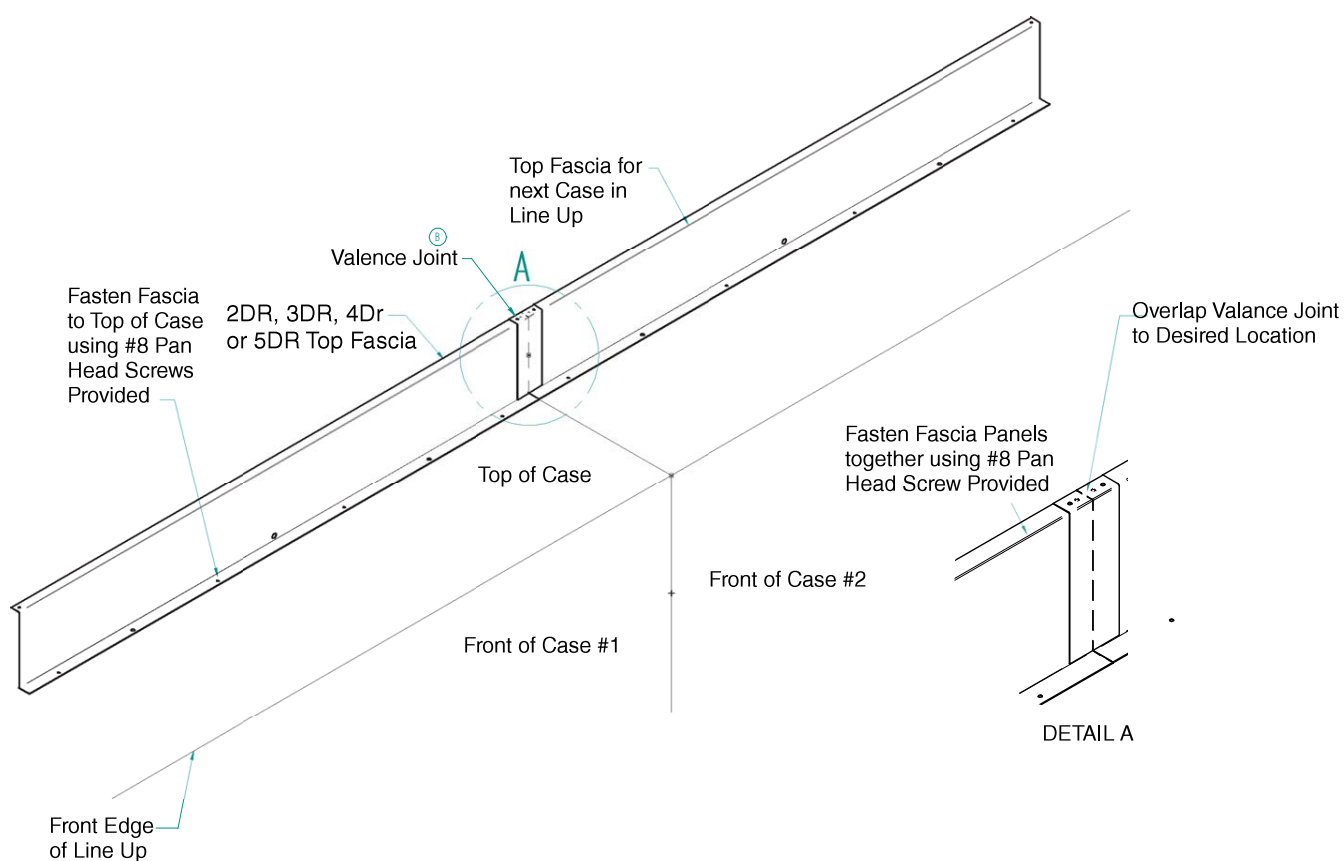
Optional Reach-In Valance Installation



Detail A



Attach the valance to the top of case using provided pan head screws (4 places on 2-door, 5 places on 3-door, 5 places on 4-door, 6 places on 5-door) Use (SCREW SM 10-16X3/4 HX) provided screws (8).



Install valance joint trim as shown. Trim is used to disguise the joints between each front-facing panel.