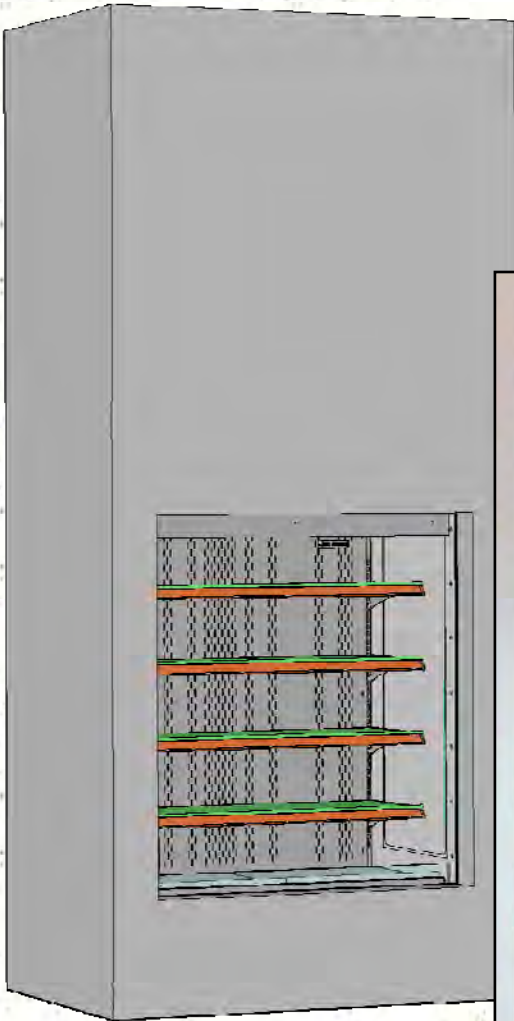


CAREFULLY FOLLOW THESE INSTRUCTIONS

# BOX CASE CONSTRUCTION GUIDE FOR ALCOVES and WINDOW OPENINGS

MODEL APPLICABILITY: BXX (24" DEEP) and BXX32 (32" DEEP 'BOX PLUS' SERIES) UNITS\*



MODEL B4732TM WITH TOP MOUNTED CONDENSER PACKAGE BEHIND WINDOW



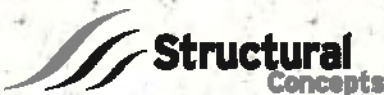
MODEL B42 WITH UNDERSIDE MOUNTED CONDENSER PACKAGE IN ALCOVE



MODEL B4732TM WITH TOP MOUNTED CONDENSER PACKAGE IN ALCOVE

**\*See next page for specific model applicability.**

**P/N 20-76683**



Structural Concepts Corporation · 888 E. Porter Road · Muskegon, MI 49441 Phone: 231.798.8888 Fax: 231.798.4960 · [www.structuralconcepts.com](http://www.structuralconcepts.com)

**TABLE OF CONTENTS / MODEL APPLICABILITY**

<b>TABLE OF CONTENTS .....</b>	<b>2</b>
<b>SECTION A: ALCOVE UNITS WITH UNDERSIDE MOUNTED CONDENSER PACKAGES .....</b>	<b>3</b>
<b>ALCOVE UNITS WITH UNDERSIDE MOUNTED CONDENSER PACKAGES / DIMENSIONS CHART .....</b>	<b>4</b>
<b>SECTION B: ALCOVE UNITS WITH TOP MOUNTED CONDENSER PACKAGES .....</b>	<b>5</b>
<b>ALCOVE UNITS WITH TOP MOUNTED CONDENSER PACKAGES AND 90 1/2" ALCOVE HEIGHT .....</b>	<b>6</b>
<b>ALCOVE UNITS WITH TOP MOUNTED CONDENSER PACKAGES AND 83" ALCOVE OUTER HEIGHT .....</b>	<b>7</b>
<b>SECTION C: WINDOW UNITS WITH TOP MOUNTED CONDENSER PACKAGES .....</b>	<b>8</b>
<b>WINDOW UNITS WITH TOP MOUNTED CONDENSER PACKAGES .....</b>	<b>9</b>
<b>SECTION D: ALCOVE AND WINDOW UNITS - ADJOINMENT GUIDELINES .....</b>	<b>10</b>
<b>ALCOVE AND WINDOW UNITS - ADJOINMENT DIMENSIONAL GUIDELINES .....</b>	<b>11</b>
<b>ALCOVE AND WINDOW UNITS - ADJOINMENT GUIDELINES / SEALANTS / BOLTING ADJOINED UNITS .....</b>	<b>12</b>

**BOX CASE CONSTRUCTION GUIDE FOR  
ALCOVE & WINDOW OPENING MODEL APPLICABILITY**

*B32, B42, B62, B82, B3632, B3632TM\*, B4732, B4732TM\*, B5932, B5932TM\*, B7132, B7132TM\*, B8832, B8832TM\*, B2432H~, B3632H~*

*\* TM represents units with top mounted condenser packages.  
~ Heated cases*

# SECTION A: ALCOVE UNITS WITH UNDERSIDE MOUNTED CONDENSER PACKAGES

## ALCOVE UNITS WITH UNDERSIDE MOUNTED CONDENSER PACKAGES

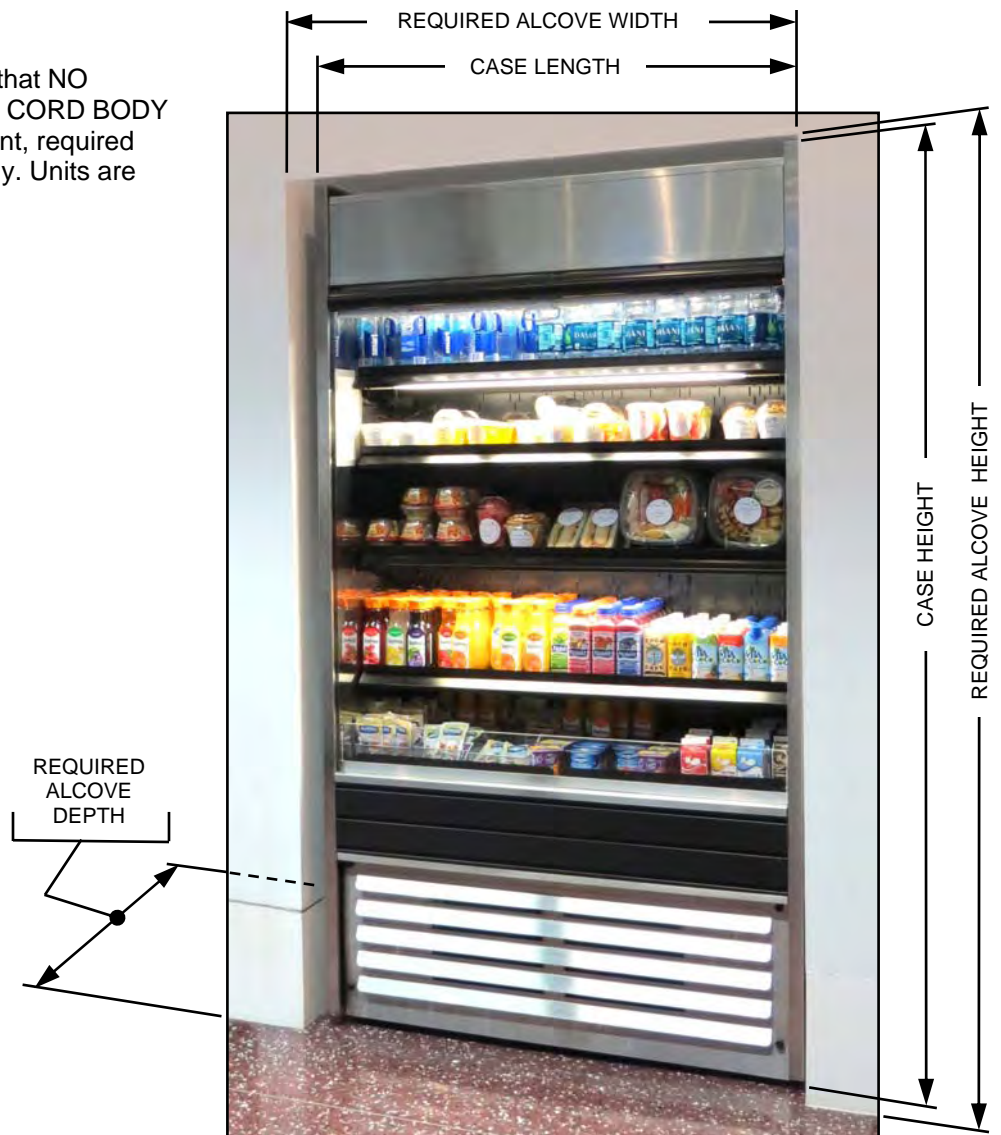
### CASE & ALCOVE DIMENSIONS CHART

MODEL	CASE LENGTH*	CASE DEPTH*	CASE HEIGHT*	REQUIRED ALCOVE HEIGHT**	REQUIRED ALCOVE WIDTH**	REQUIRED ALCOVE DEPTH <sup>∞</sup>
B32	34 1/2"	24 1/2"	82 1/2"	83"	34 3/4"	25" <sup>∞</sup>
B42	45 1/2"				45 3/4"	
B62	66 3/8"				66 5/8"	
B82	88 3/8"				88 5/8"	
B3632	36 5/8"	32 3/4"			36 7/8"	33 1/4" <sup>∞</sup>
B4732	47 5/8"				47 7/8"	
B5932	59 5/8"				59 7/8"	
B7132	71 5/8"				71 7/8"	
B8832	88 3/8"	32 1/4"			88 5/8"	
B2432H (HEATED)	24 1/2"				24 7/8"	
B3632H (HEATED)	36 1/2"		36 7/8"			

\* Approximated dimensions only.

\*\* Minimum required dimensions.

<sup>∞</sup> **Important:** Dimensions assume that NO ELECTRICAL RECEPTACLE or CORD BODY is behind unit. If either are present, required alcove depth will vary accordingly. Units are shipped with 6' power cords.



MODEL B42 WITH UNDERSIDE MOUNTED CONDENSER PACKAGE

**SECTION B:  
ALCOVE  
UNITS WITH  
TOP  
MOUNTED  
CONDENSER  
PACKAGES**

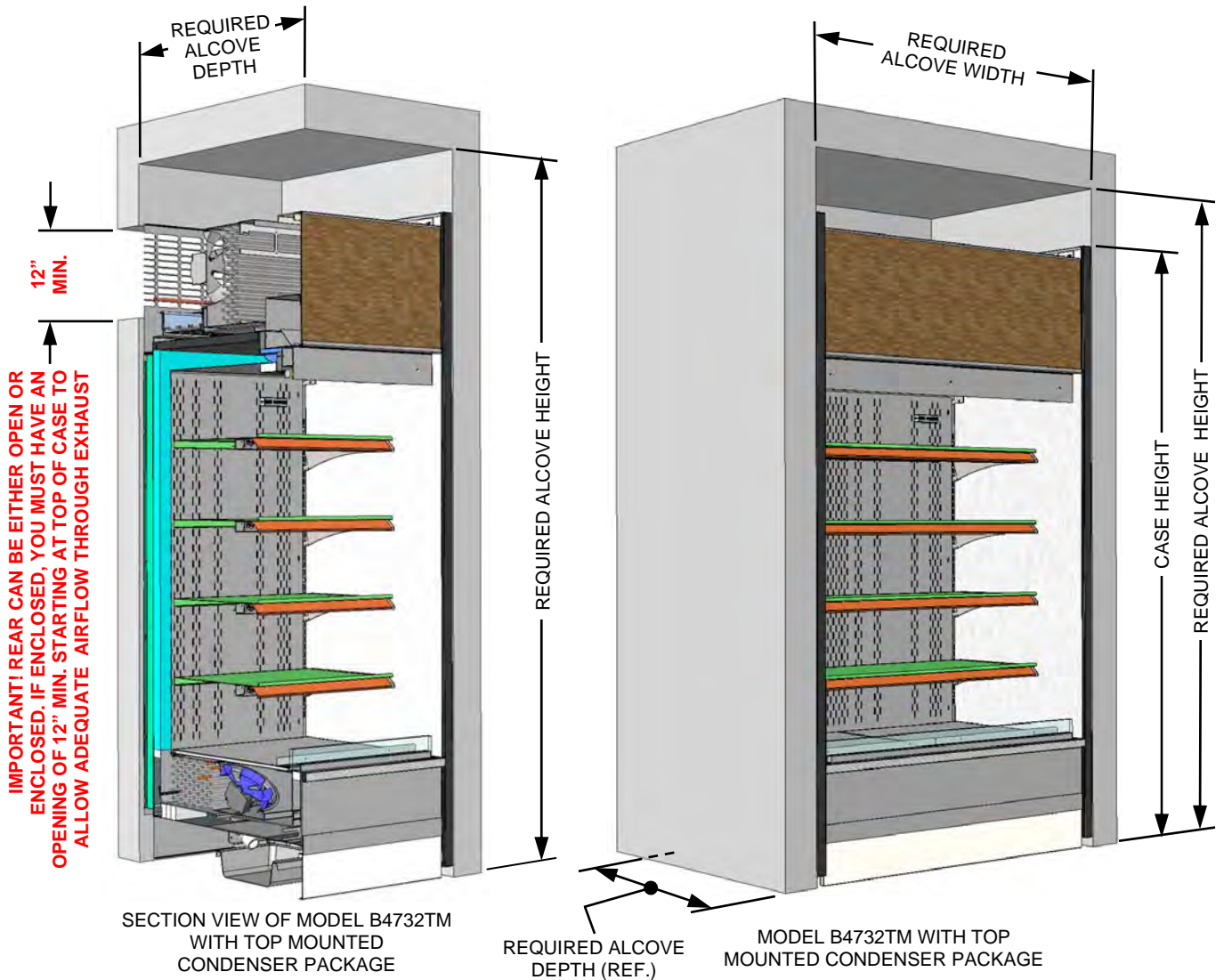
## ALCOVE UNITS WITH TOP MOUNTED CONDENSER PACKAGES AND 90 1/2" ALCOVE HEIGHT

### CASE & ALCOVE DIMENSIONS CHART

MODEL	CASE LENGTH*	CASE DEPTH*	CASE HEIGHT*	REQUIRED ALCOVE HEIGHT**	REQUIRED ALCOVE WIDTH**	REQUIRED ALCOVE DEPTH <sup>∞</sup>
B3632TM	36 5/8"	32 3/4"	82 1/2"	90 1/2"	36 7/8"	33 1/4" <sup>∞</sup>
B4732TM	47 5/8"				47 7/8"	
B5932TM	59 5/8"				59 7/8"	
B7132TM	71 5/8"				71 7/8"	
B8832TM	88 3/8"				88 5/8"	

\* Approximated dimensions only.  
 \*\* Minimum required dimensions.

<sup>∞</sup> Important: Dimensions assume that NO ELECTRICAL RECEPTACLE or CORD BODY is behind unit. If either are present, required alcove depth will vary accordingly. Units are shipped with 6' power cords.



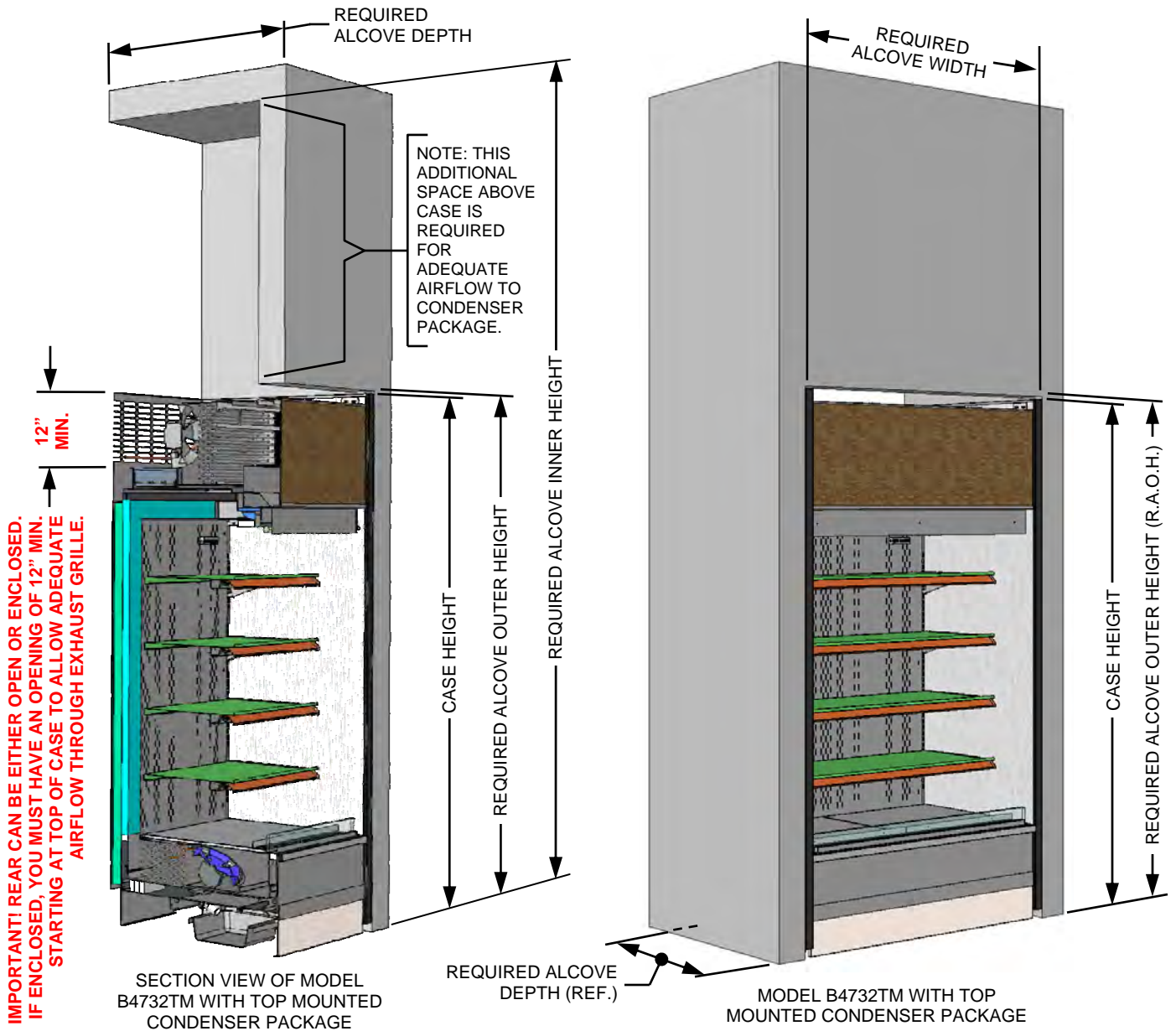
## ALCOVE UNITS WITH TOP MOUNTED CONDENSER PACKAGES AND 83" ALCOVE OUTER HEIGHT

### CASE & ALCOVE DIMENSIONS CHART

MODEL	CASE LENGTH*	CASE DEPTH*	CASE HEIGHT*	REQUIRED ALCOVE OUTER HEIGHT**	REQUIRED ALCOVE INNER HEIGHT**	REQUIRED ALCOVE WIDTH**	REQUIRED ALCOVE DEPTH <sup>∞</sup>
B3632TM	36 5/8"	32 3/4"	82 1/2"	83"	124 1/2"	36 7/8"	33 1/4" <sup>∞</sup>
B4732TM	47 5/8"					47 7/8"	
B5932TM	59 5/8"					59 7/8"	
B7132TM	71 5/8"					71 7/8"	
B8832TM	88 3/8"					88 5/8"	

\* Approximated dimensions only.  
 \*\* Minimum required dimensions.

<sup>∞</sup> Important: Dimensions assume that NO ELECTRICAL RECEPTACLE or CORD BODY is behind unit. If either are present, required alcove depth will vary accordingly. Units are shipped with 6' power cords.



# SECTION C: WINDOW UNITS WITH TOP MOUNTED CONDENSER PACKAGES



## WINDOW UNITS WITH TOP MOUNTED CONDENSER PACKAGES

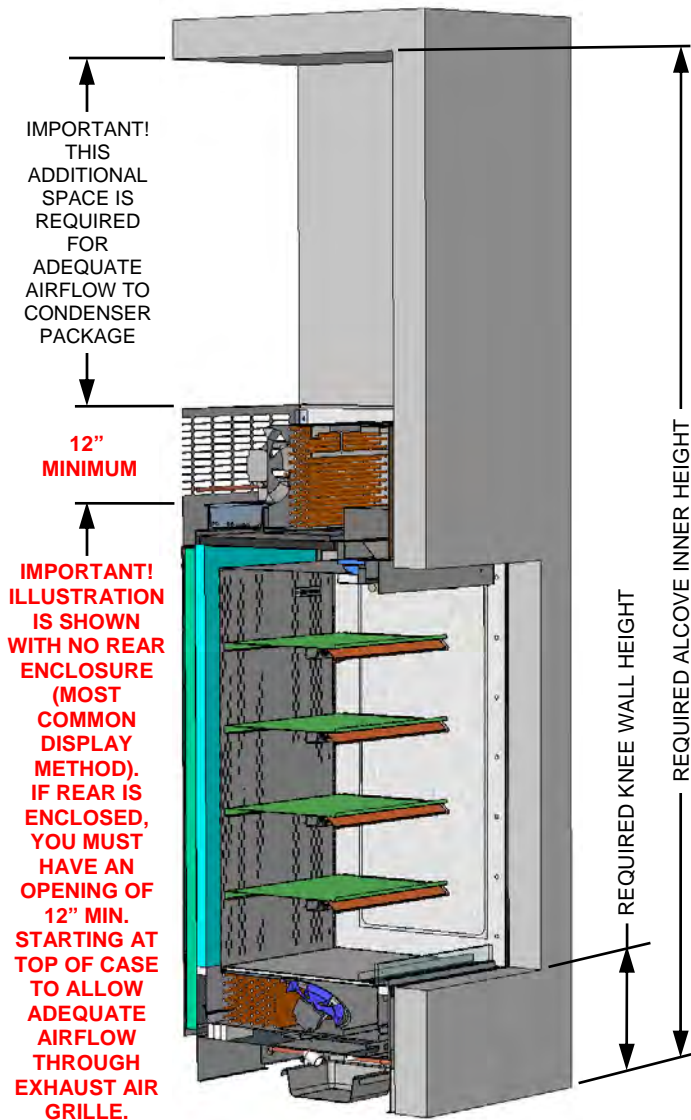
### CASE & WINDOW DIMENSIONS CHART

MODEL	CASE LENGTH*	CASE DEPTH*	CASE HEIGHT*	REQUIRED ALCOVE INNER HEIGHT**	REQUIRED WINDOW HEIGHT**	REQUIRED WINDOW WIDTH**	REQUIRED ALCOVE WIDTH**	REQUIRED KNEE WALL HEIGHT**
B3632TM	36 5/8"	32 3/4"	82 1/2"	124 1/2"	49 1/4"	34"	36 7/8"	15"
B4732TM	47 5/8"					45"	47 7/8"	
B5932TM	59 5/8"					57"	59 7/8"	
B7132TM	71 5/8"					69"	71 7/8"	
B8832TM	88 3/8"					88 3/4"	88 5/8"	

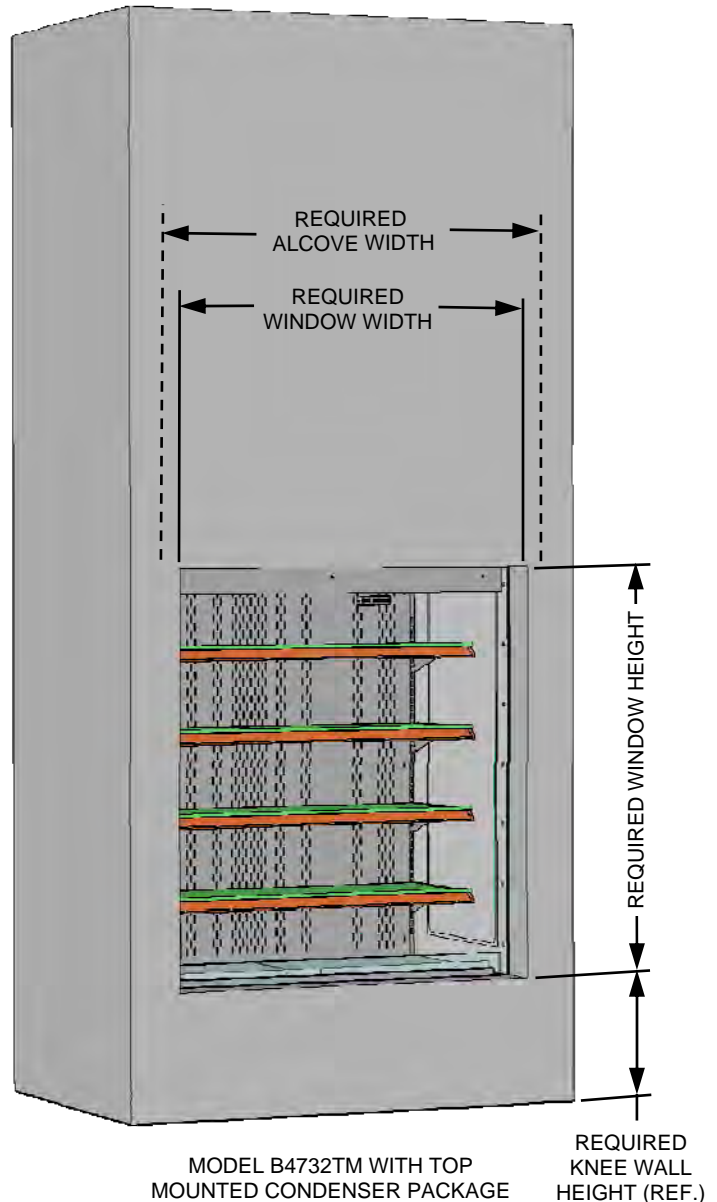
\* Approximated dimensions only.

\*\* Minimum required dimensions.

~ Required alcove outer height



SECTION VIEW OF MODEL B4732TM WITH TOP MOUNTED CONDENSER PACKAGE



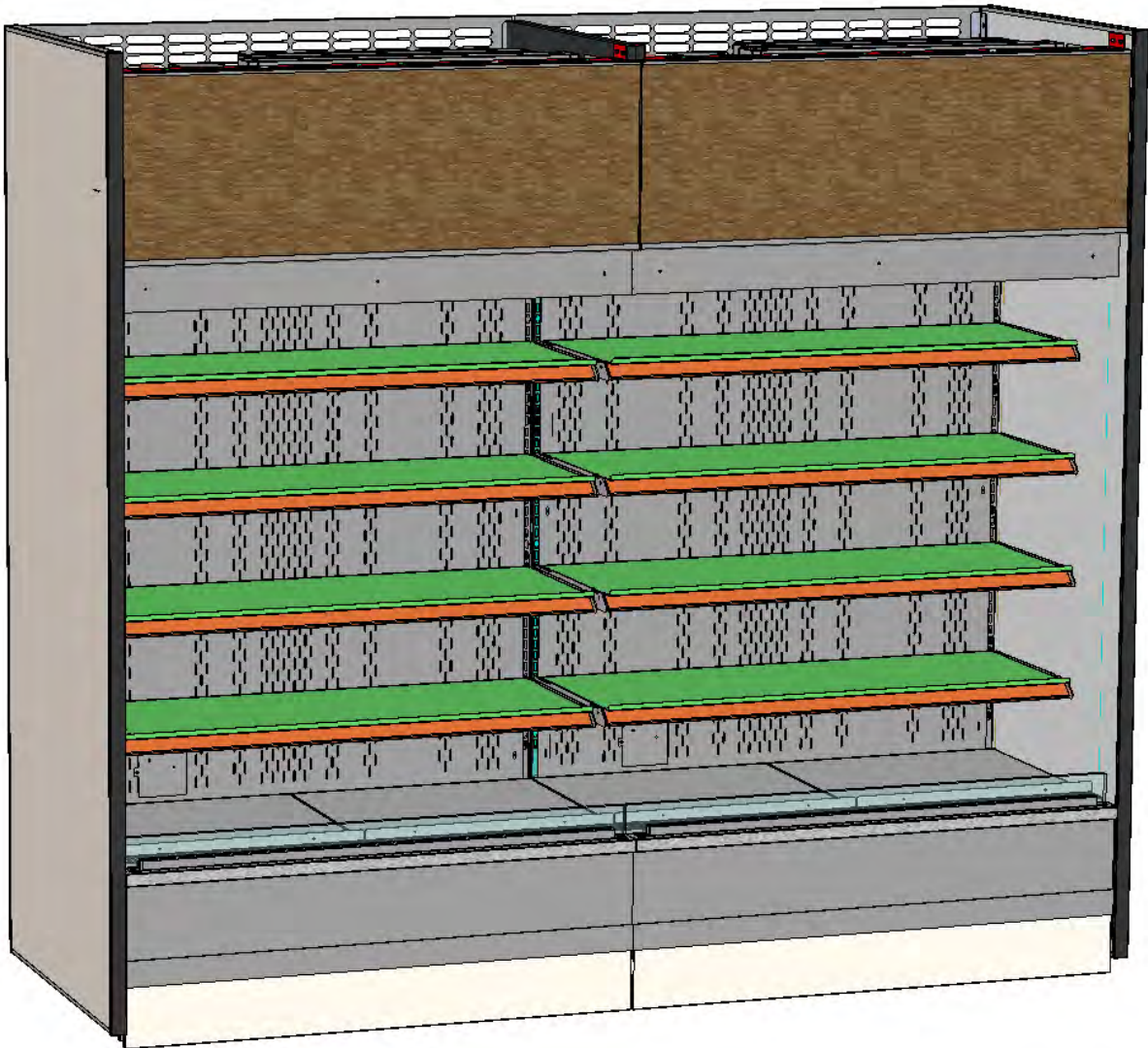
MODEL B4732TM WITH TOP MOUNTED CONDENSER PACKAGE

REQUIRED KNEE WALL HEIGHT (REF.)

**SECTION D:  
ALCOVE  
AND  
WINDOW  
UNITS -  
ADJOINMENT  
GUIDELINES**

# IMPORTANT!

1. ADJOINED CASES WILL HAVE END PANELS REMOVED AT EACH POINT OF ADJOINMENT.
2. EACH END PANEL IS 1 5/16" WIDE.
3. FOR ADJOINED UNITS TO BE DISPLAYED IN ALCOVES AND WINDOWS, IT IS CRITICAL THAT YOU DETERMINE YOUR FLOOR PLAN AFTER INCORPORATING THE REMOVED END PANELS.
4. YOU MUST FOLLOW VERY SPECIFIC GUIDELINES WHEN ADJOINING CASES. SEE NEXT PAGE FOR DETAILED INSTRUCTIONS.



MODELS B4732TM SHOWN ABOVE FOR TWO (2) ADJOINED UNITS.  
**NOTE:** THERE ARE ONLY TWO (2) END PANELS USED IN ANY LINEUP  
(REGARDLESS OF HOW MANY CASES ARE INCLUDED IN LINEUP).

**1. Overview / Silicone and Butyl Application**

Sealant Overview:

- Warranty is void if improper sealant is used.
- Sealing tub prevents air from escaping through seams between cases (causing condensation problems and reducing refrigeration efficiency).
- Sealing also prevents water from seeping between cases to the floor.

- #3 holes are accessible after removing decking.
  - #4-6 holes are accessible after removing front panel.
  - #7-9 holes are accessible after removing rear panel.
- >> Be sure to reattach components to case after the adjoinment process is complete.

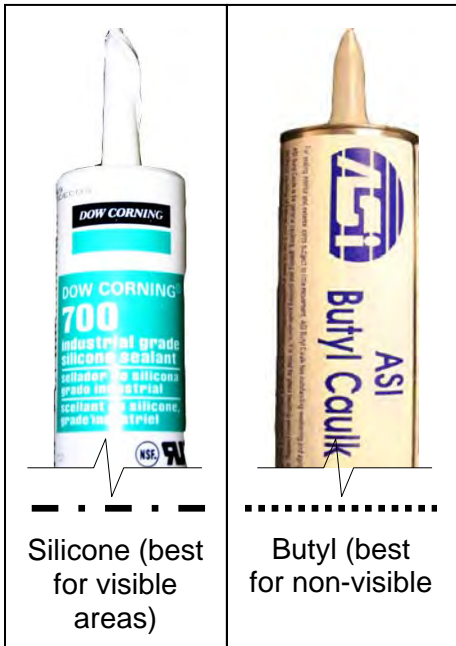
**Note:** Any changes to this document must also be made do P/N 54110

Silicone and Butyl Application:

- Form (1) INNER sanitation bead AND (1) refrigeration bead BEFORE case is adjoined (as shown).
- Then, AFTER case is adjoined (and bolted), form (1) OUTER sanitation bead (as shown) into any cavities or gaps that may remain along outer adjoinment areas where butyl has ALREADY been applied.
- Also place a thick bead of caulk around drain.

**2. Bolting Adjoined Units**

- Bolt holes are at various locations (depending upon model). Model illustrated MAY NOT exactly reflect your particular unit but will likely be similar in layout.
- Use appropriately sized nuts and bolts for each hole.
- #1 hole is accessible at honeycomb (slight adjustment or removal of honeycomb air diffuser may be necessary for attachment of bolt).
- #2 hole is accessible near rear plenum.
- #3 hole is accessible after removing decking.
- #4-6 holes are accessible after removing front panel.
- #7-9 holes are accessible after removing rear panel.



**Note:** Model B4732 (Unit Shown) May Not Exactly Reflect Every Feature or Option of Your Particular Case.

