



*Synthesis<sup>TM</sup> Casework  
Installation Manual Enclosed*

***DO NOT DISCARD!***

Please deliver to installation  
team immediately

Refer to Table of Contents for  
Installation of Product



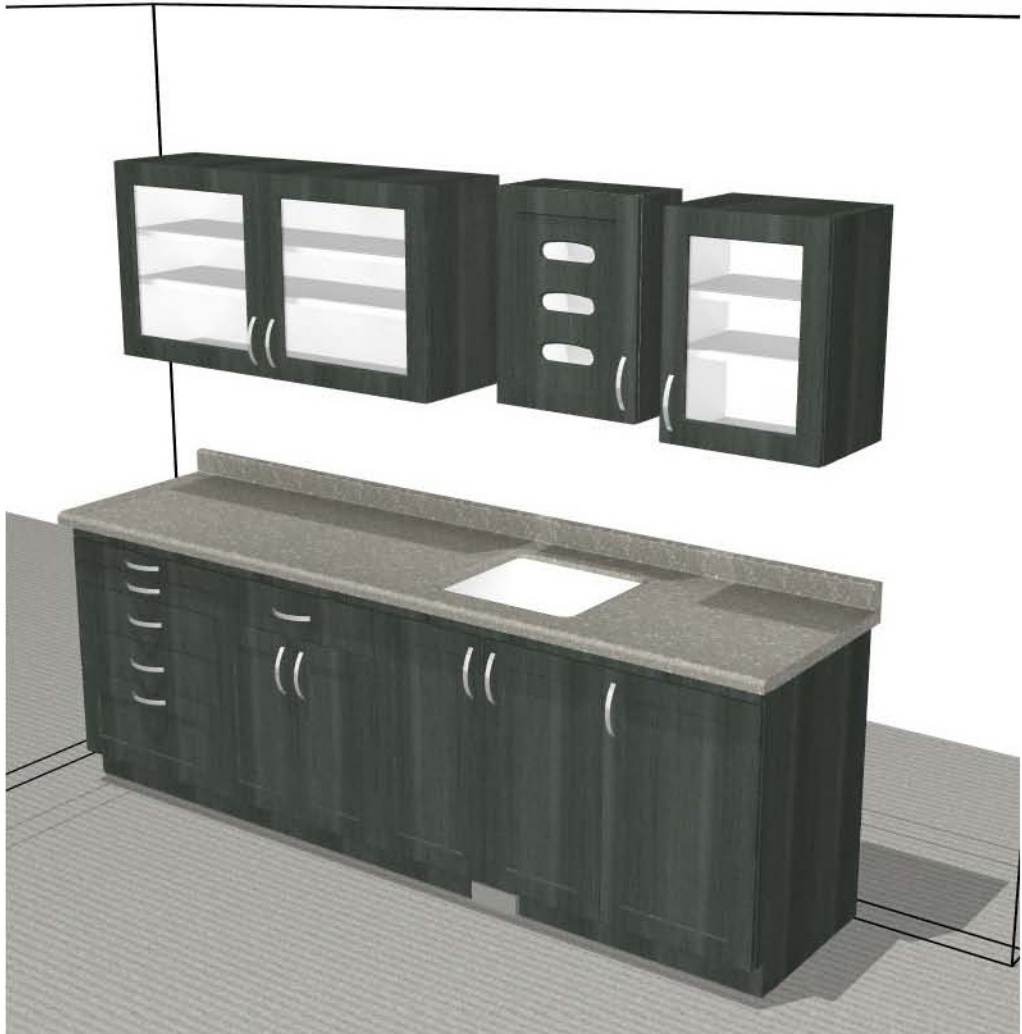


# Synthesis™ Casework Collection Installation

**Applies to Models:**  
Midmark 3" Casework

**Special Tools:**  
none

**Note:**  
Use the table of contents to find the install instruction for various units in the configuration.



MA9252i

TP200 Rev. A

# Table of Contents

## Important Info

### **IMPORTANT INFORMATION**

<a href="#"><u>Model Number</u></a> .....	3
<a href="#"><u>Safety</u></a> .....	4
<a href="#"><u>Explanation of Safety Signals</u></a> .....	4
<a href="#"><u>Introduction</u></a> .....	4
<a href="#"><u>Receiving Truck / Shipment</u></a> .....	5
<a href="#"><u>Tools Needed</u></a> .....	6
<a href="#"><u>Room Layout Drawing</u></a> .....	7
<a href="#"><u>Cabinet ID Drawing</u></a> .....	8
<a href="#"><u>Necessary Units to Secure</u></a> .....	9

## Installation Instructions

### **INSTALLATION INSTRUCTIONS**

<a href="#"><u>Overhead Unit Installation</u></a> .....	10
<a href="#"><u>Base Unit Installation</u></a> .....	16
<a href="#"><u>84" &amp; 72" Tall Unit Installation</u></a> .....	20
<a href="#"><u>Corner Overhead &amp; Base Unit Installation</u></a> .....	25
<a href="#"><u>Wall Hanging Sink (ADA) Installation</u></a> .....	29
<a href="#"><u>Towel/Cup/Glove Dispenser and Dressing Nook Installation</u></a> .....	34
<a href="#"><u>Dressing Nook Door Reversal</u></a> .....	38
<a href="#"><u>Desk Unit Installation</u></a> .....	39
<a href="#"><u>Stand-Alone Base Unit Installation</u></a> .....	43

## Finish

### **GENERAL FINISH REQUIREMENTS**

<a href="#"><u>Countertop Installation</u></a> .....	44
<a href="#"><u>Open Area Countertop Installation</u></a> .....	45
<a href="#"><u>Installing Doors, Handles and More</u></a> .....	46
<a href="#"><u>Door Adjustment</u></a> .....	47

## Accessories

### **ACCESSORIES**

<a href="#"><u>Overhead Unit Filler Panel Installation</u></a> .....	48
<a href="#"><u>Base &amp; Tall Unit Filler Panel Installation</u></a> .....	50
<a href="#"><u>Desk Unit Filler Panel Installation</u></a> .....	52
<a href="#"><u>Sloping Top Installation</u></a> .....	53
<a href="#"><u>Sink Apron Panel Installation</u></a> .....	56
<a href="#"><u>Miscellaneous Install Information</u></a> .....	57

(\*) Indicates multiple pages due to model / serial number break(s).

# Model Number

Midmark uses a product part number for the cabinets that has a detailed structure.

## Product Information

### Step 1. Configuration

**BM81** 27" High Mobile Base Cabinet

### Step 2. Width

**18** 18" wide

**21** 21" wide

### Step 3. Depth

**18** 18" deep

### Step 4. Panel Style

**C** Cove

**P** Pinnacle

**R** Renew

**S** Serenity

**T** Transend

### Step 5. Cabinet Finish

**P** Solid PET

**S** Solid

**W** Woodgrain

### Step 6. Lock

**1** None

**C** Central (All Drws) - Keyed

### Step 7. Handle Finish \*available finishes on Flat, Shaker, & Raised Panels

**A** Brushed Nickel

**B** Anti-Micro Copper

**N** None

### Step 8. Caster Style

**A** 3" Hard Surf, Locking

**F** 4" Hard Surf, Locking

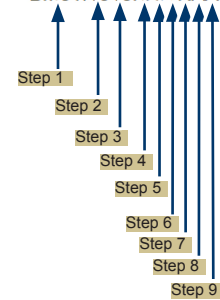
### Step 9. Top Style

**A** Kydex Top Contoured

**B** Kydex Top Squared

### Example

BM81.1818.CS1NAA



## Safety

A primary concern of Midmark is that this equipment be operated and maintained with the safety of the users in mind. To assure safer and more reliable operation, do the following: (1) Read this manual before operating your equipment; (2) Assure that appropriate personnel understand the contents of this manual--responsibility of the purchaser; (3) Understand the instructions contained in this manual before attempting to install this equipment.

## Explanation of Symbols



### **Caution**

Indicates a potentially hazardous situation which may result in minor or moderate injury if not avoided. It may also be used to alert against unsafe practices.



### **Equipment Alert**

Indicates a potentially hazardous situation which could result in equipment damage if not avoided.

### **Note**

Amplifies a procedure, practice, or condition.

## Introduction

This installation guide has been prepared to assist in the installation of Midmark modular casework. Careful and proper installation of these units are in the best interest of the Customer, Distributor, and Midmark. Following these instructions will assure proper installation and will simplify the task. Special conditions may be encountered that are not described in this manual. Should this occur during an installation, contact your local distributor for assistance or Midmark at 1-800-643-6275.

## Receiving Truck / Shipment

The following will assist the installer or dealer in getting the truck to the dock and unloaded. It will be necessary for the installer to be on site prior to the trucks arrival, so that the best point of delivery for the product can be determined.

If the installer has been given an exact time of arrival and the truck does not arrive on time, the foreman must notify Midmark within eight hours. Midmark will not be liable for any charges if notified later than eight hours of the scheduled arrival time.



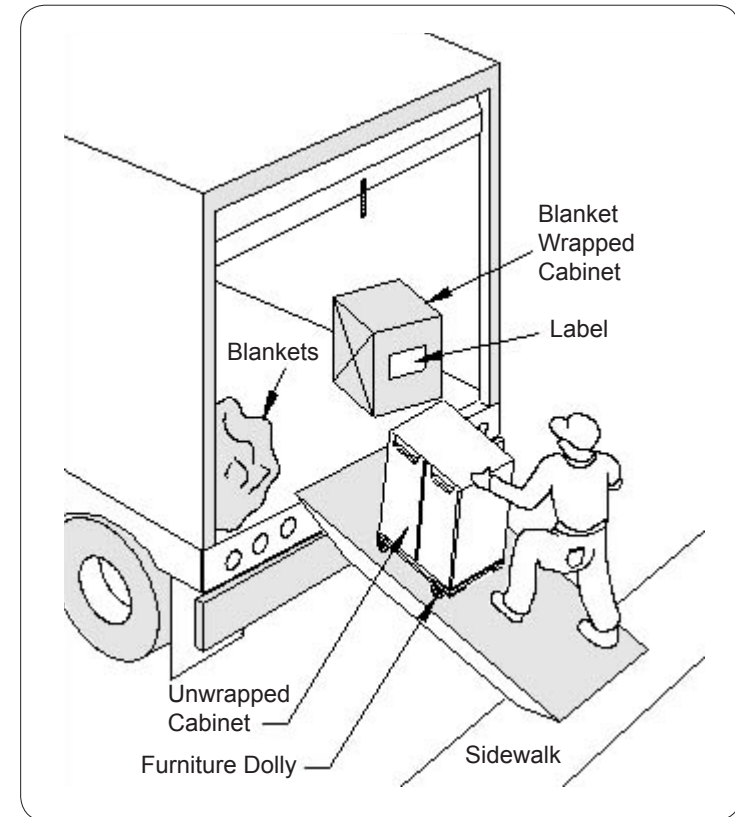
### **Equipment Alert**

*While unloading truck, make sure to avoid damage to the cabinets. Do not use sharp objects to cut packaging from the cabinets.*

All wrapped products must be unwrapped from the blankets in the trailer. The blankets and rubber bands need to be returned to the trailer prior to the trailer leaving the site. All boxed products will remain in the boxes until installation.

The cabinets and top surfaces may be wrapped in blankets or boxed. The product will have labels marked for model number, description, date, room number, and will have a line drawing of the cabinet.

IF ANY PRODUCT APPEARS TO HAVE DAMAGE DUE TO FREIGHT, PLEASE NOTE IT ON THE "BILL OF LADING".



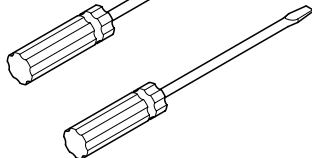
# Important Recommendation

Midmark recommends starting in a corner or verifying where the best starting position is if the installation is not required to start in a corner.

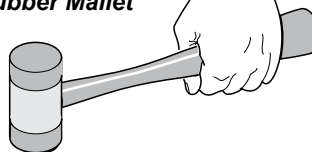
## Tools Needed



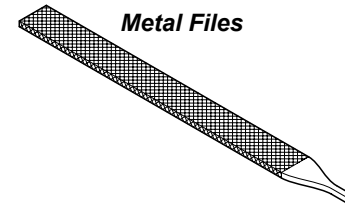
Screwdriver Set



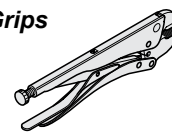
Rubber Mallet



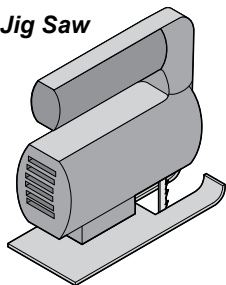
Metal Files



Vice Grips



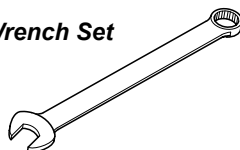
Jig Saw



Socket Wrench w/  
Socket Set



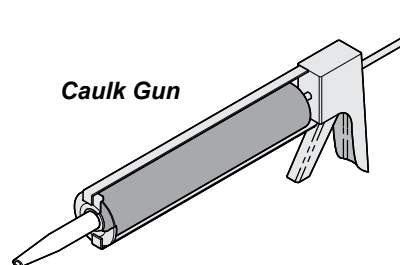
Wrench Set



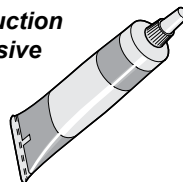
Putty Knife



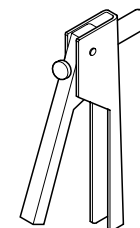
Caulk Gun



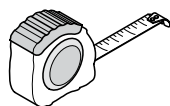
Construction  
Adhesive



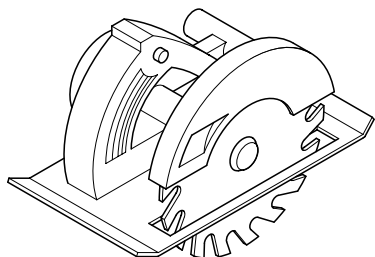
Riveter



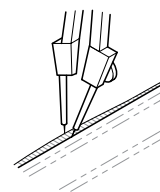
Measuring Tape



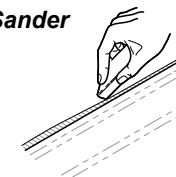
Circular Saw



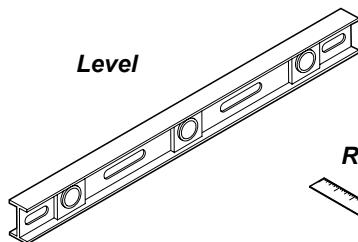
Compass/Scribe



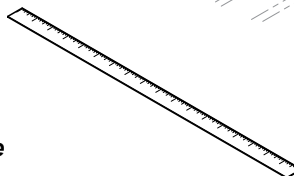
Hand  
Sander



Level



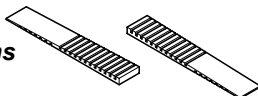
Ruler



Utility Knife



Shims



Tape



## Not Shown:

Stud Finder  
C-Clamps  
Heat Gun  
Belt Sander  
Hammer Drill  
Drill Bit Set  
Contact Cement  
Laminate Trimmer

MA9565i





www.midmark.com  
 drawings-casework@midmark.com  
 Phone: 1-800-MIDMARK

# Synthesis™ Casework Collection Drawing

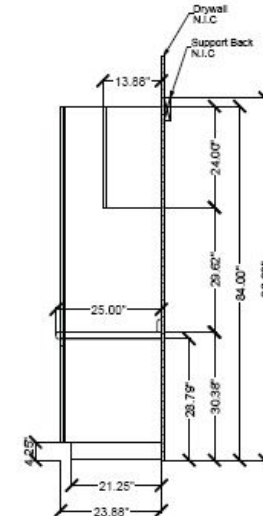
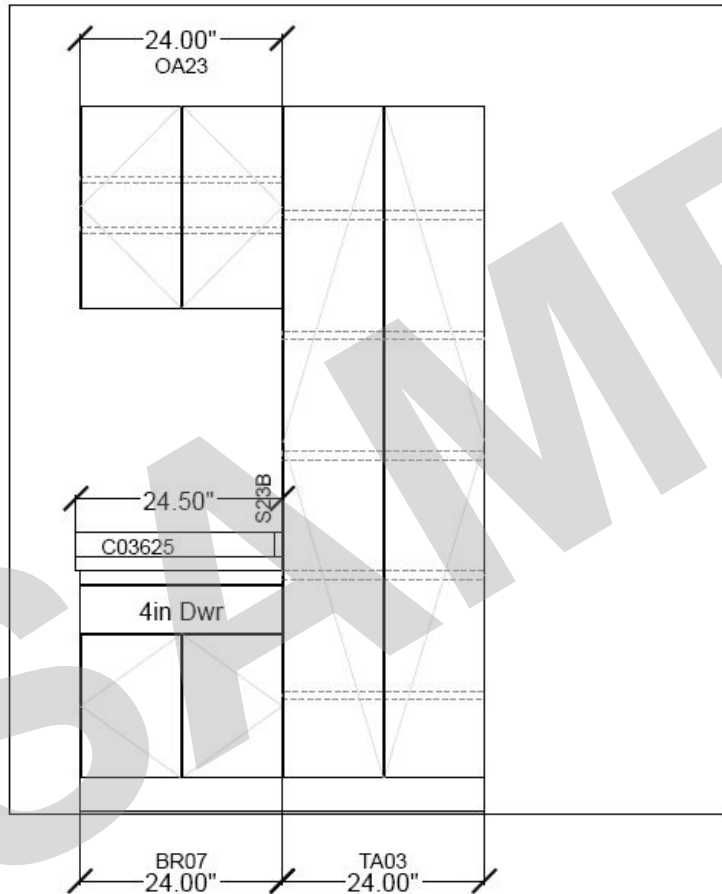
Project Name: [Order entry, Project name]	Cabinet Finish: 100-Undecided Solid Panel	Top Material: Laminate
Drawing #:	Panel Style: Serenity Panel	Top Color: 100-Undecided Laminate Color
Rev: entry, Date: 11/8/2014	Handle: Brushed Nickel Flare	Note:
Alternative:	Lock: None	Sink: None
Designer: [Sales person #1, Name]	Tasklight:	Faucet: None

Notes: Sink/Faucet not included

Signed Drawings Required To Process Order

(Signature) \_\_\_\_\_ (Date) \_\_\_\_\_  
 See Cover Page For Terms and Conditions

This drawing is the sole property of Midmark Corporation and is to be used for illustration only. Actual product appearance may vary.



<Room Name>

See Countertop Detail Sheet: A

**A Synthesis™ Casework Collection Drawing (Room Layout) should be provided for each install. If Installer does not receive drawings please contact Midmark at 1-800-MIDMARK (643-6275)**



## Necessary Units to Secure



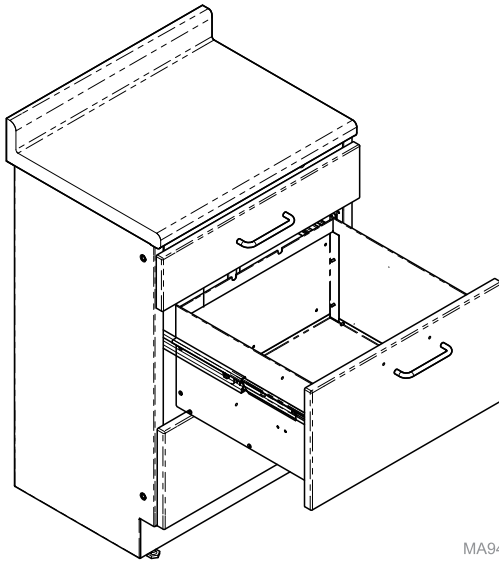
### Equipment Alert

The 84" Tall Steri-Centers must be secured to wall. Installer must hit stud with at least one screw thru mounting slots in cabinet back (Hardware not supplied). Use molly where stud is not available.



### Caution

In 84" Storage Unit, drawers can be used to a height of 42" internally. Installing drawers any higher in cabinet shell increases the danger of tipping.

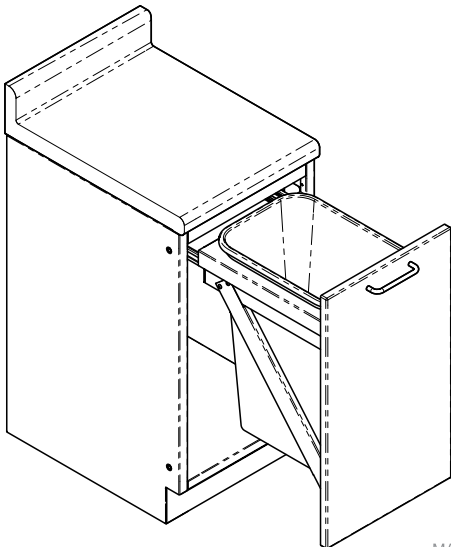


MA9497i

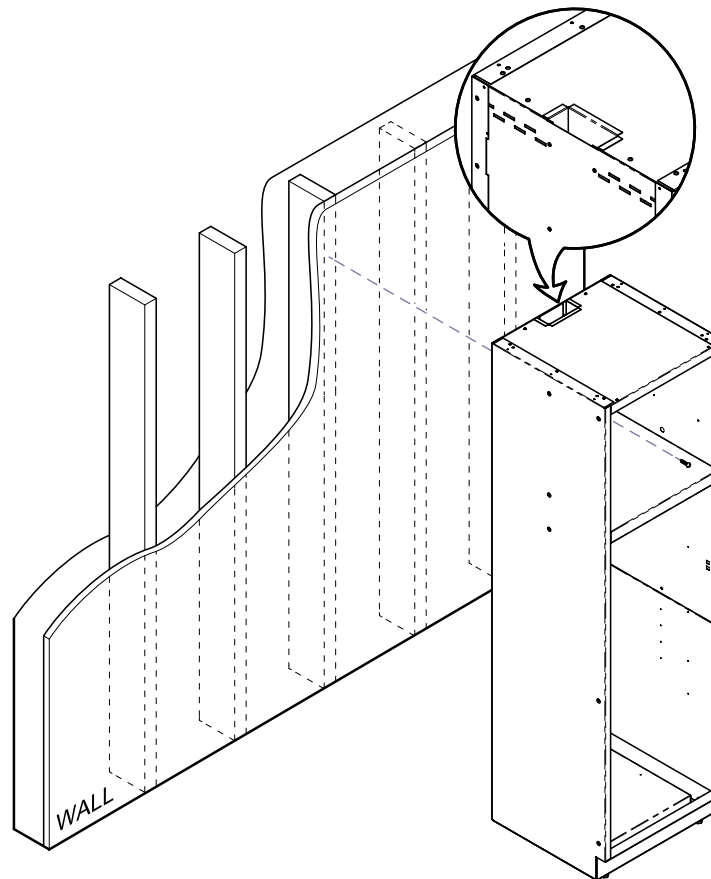


### Caution

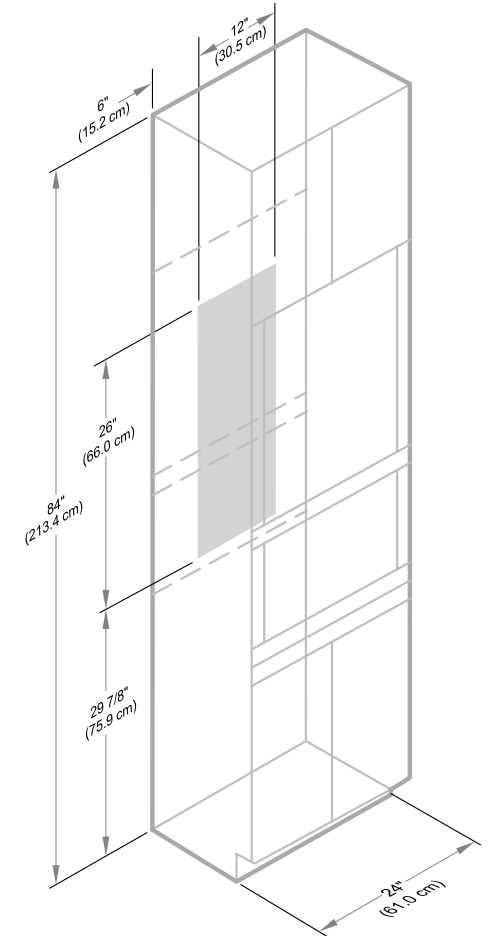
Base File Cabinet and Pull-Out Waste Cabinets must be attached to other cabinet(s) and/or attached to a wall to prevent cabinet from tipping when a file drawer or waste assembly is extended.



MA9496i



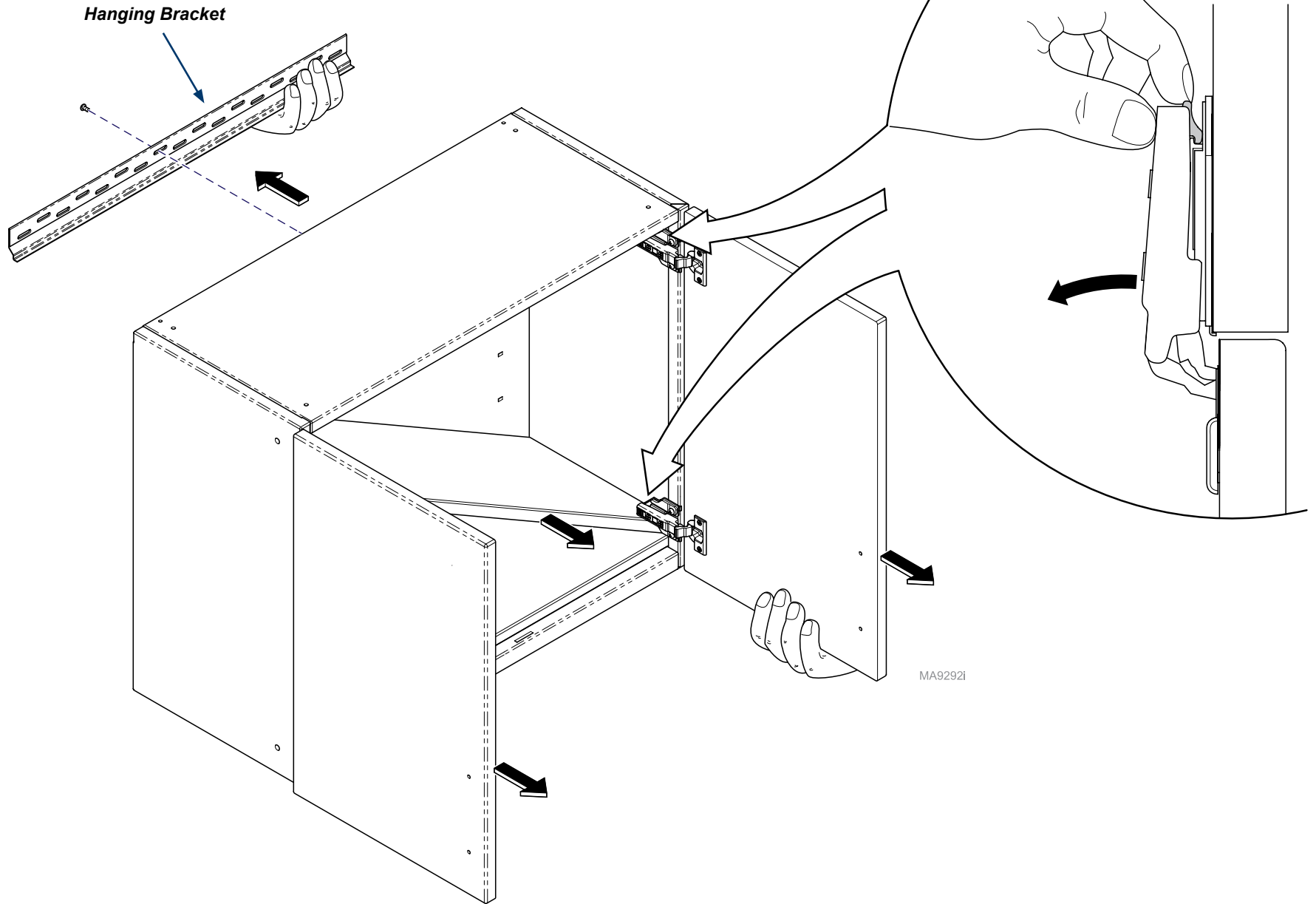
MA9495i



### Note:

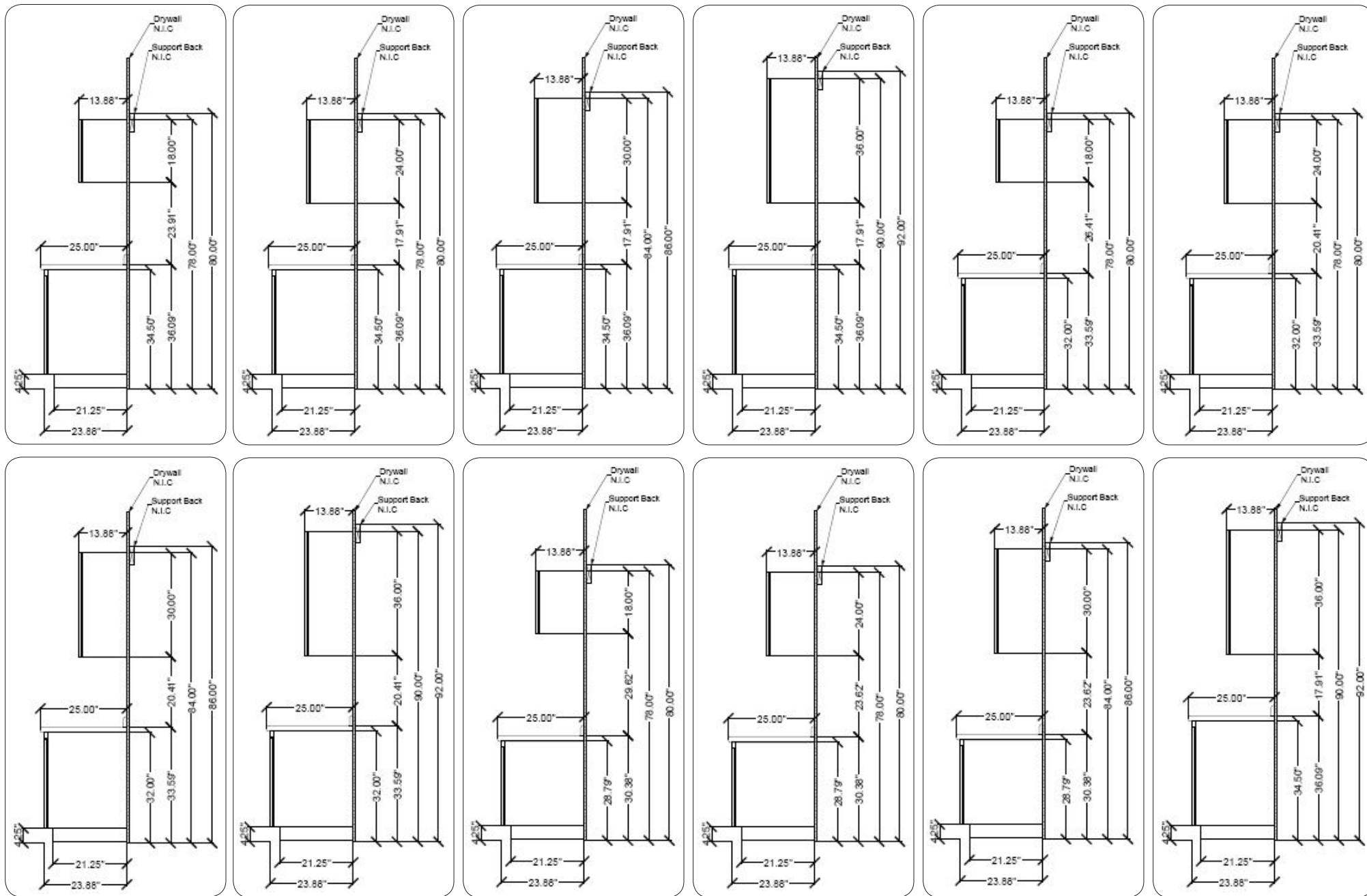
Access locations for 24" wide by 84" tall sterilizer cabinet are shown above. These access locations are the same on all three 84" casework configurations.

## Overhead Installation



**Step 1:**  
Remove hanging bracket, doors and shelves  
(if applicable) for easier installation.

## Overhead Installation - Recommended Heights

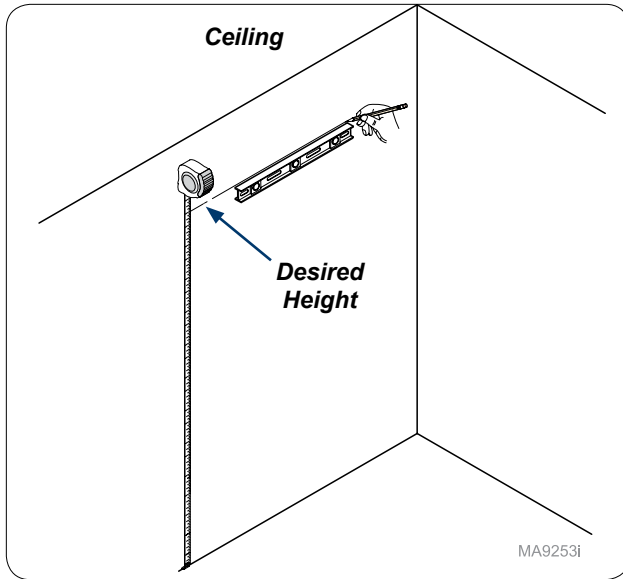


### Step 2:

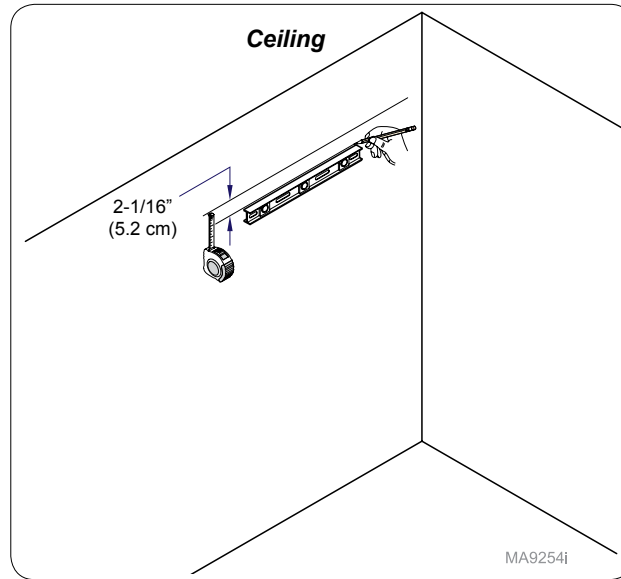
Use Synthesis™ Casework Collection Drawings to determine desired height of installation for overhead cabinet. **NOTE:** View full SAMPLE version of Synthesis™ Casework Collection Drawing on page 7.

**A Synthesis™ Casework Collection Drawing (Room Layout) should be provided for each install. If Installer does not receive drawings please contact Midmark at 1-800-MIDMARK (643-6275)**

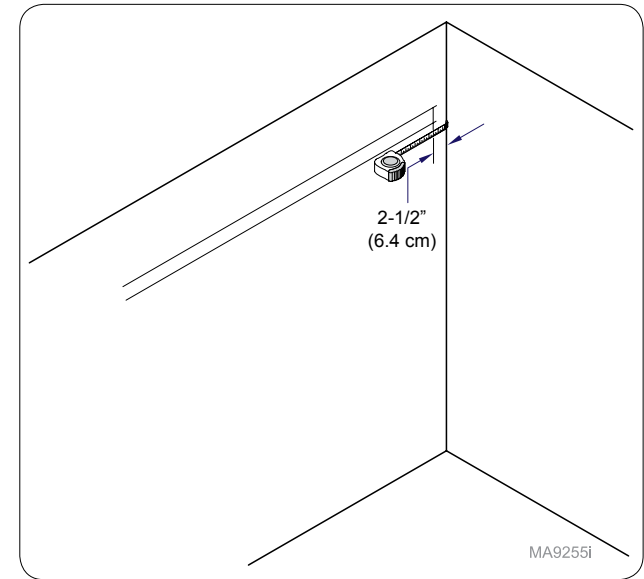
## Overhead Installation



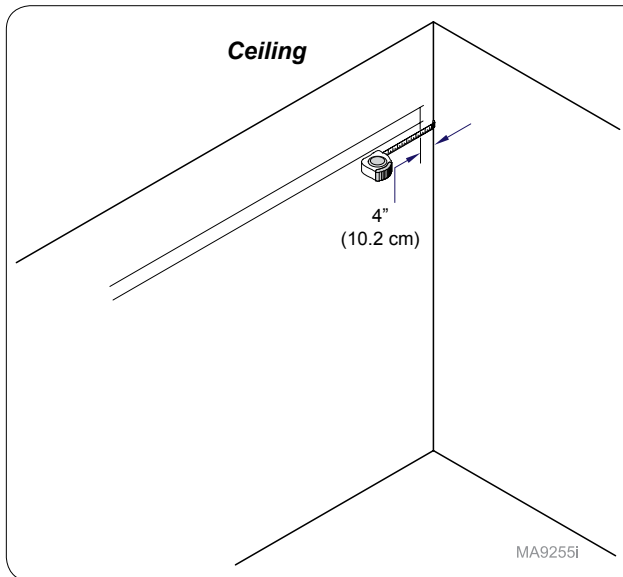
**Step 3:**  
Measure up to mark desired height of overhead cabinet. Use level to extend line. **Note: See previous page for desired height recommendations.**



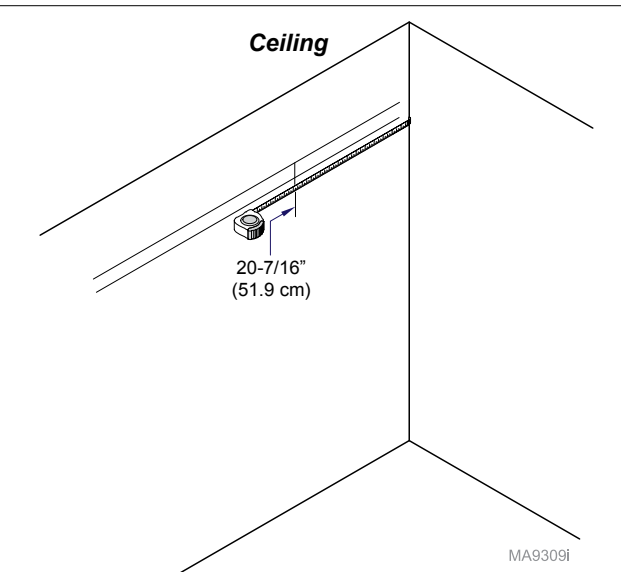
**Step 4:**  
Measure 2-1/16" (5.2 cm) lower than the desired height of cabinet top and mark for bottom of hanging bracket. Extend line using level.



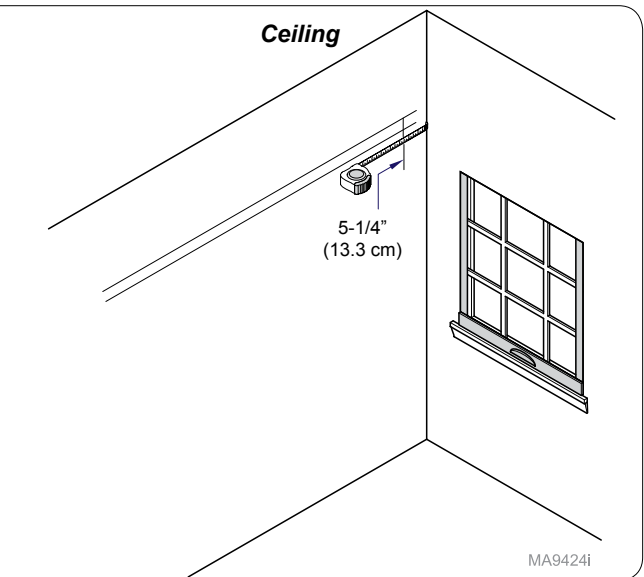
**Step 5: w/ No Spacer**  
Measure 2-1/2" (6.4 cm) from corner of wall and mark for start of hanging bracket. **Note: Refer to steps below if a different variation is specified.**



**Step 5: w/ Scribe**  
Measure 4" (10.2 cm) from corner of wall and mark for start of hanging bracket.

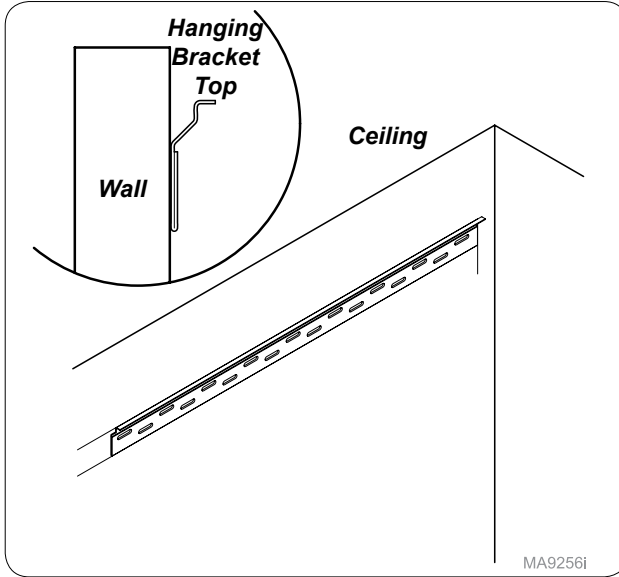


**Step 5: w/ Overhead Corner Spacer**  
Measure 20-7/16" (51.9 cm) from corner of wall and mark for start of hanging bracket.



**Step 5: w/ Window**  
Measure 5-1/4" (13.3 cm) from corner of wall and mark for start of hanging bracket.

## Overhead Installation



**Step 6:**  
Mount hanging bracket to wall using hardware (not supplied).

### Attention:

Local, city, or national building codes should be followed before using midmark suggested fasteners for installation.

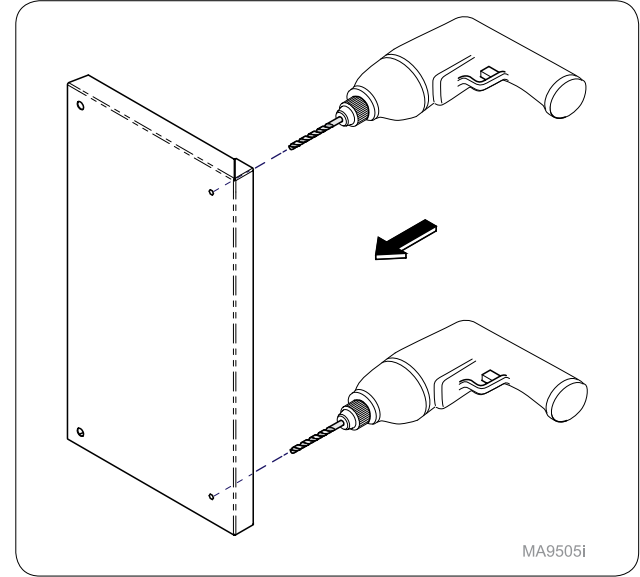
### Note: Suggested Fasteners

- Stud walls (standard): #10 x 2 wood screws (coarse threaded).
- Steel studded walls: sheet metal #10 fine screws.
- Hollow type or masonry walls: #10 machine screw expansion anchors of adequate length. A 3/16" short molly or other type of fastener may be used if pre-drilled.
- Rough solid concrete or brick wall: #10 round head wood screw or a specialized masonry fastener.



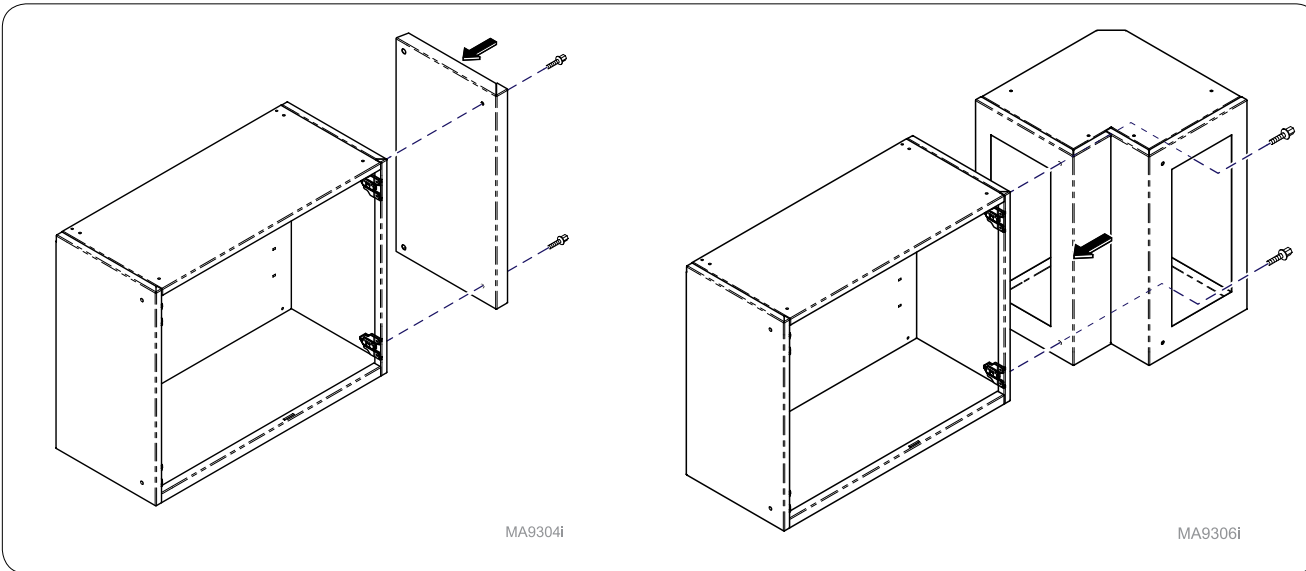
### Caution

Installer must secure bracket to at least one stud and use wall anchors on any screws that cannot be secured to studs.



### Step 7: Right Side Only

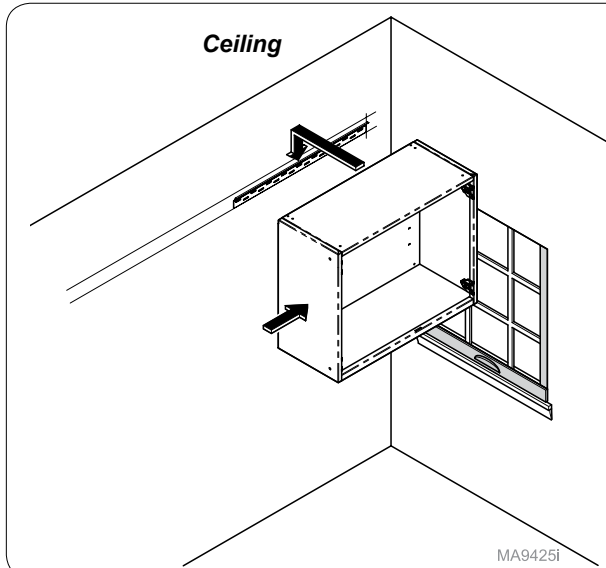
Drill out nutserts on scribe before attaching to right-hand side of unit. **Note: Use a 9/32" drill bit to drill out nutserts.**



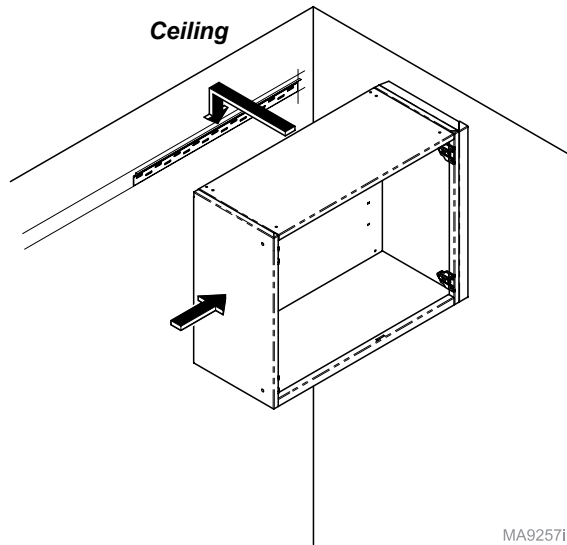
**Step 8: w/ Scribe**  
Attach scribe to overhead unit using hex screws provided.

**Step 8: w/ Overhead Corner Spacer**  
Attach corner bracket assembly to overhead unit using hex screws provided.

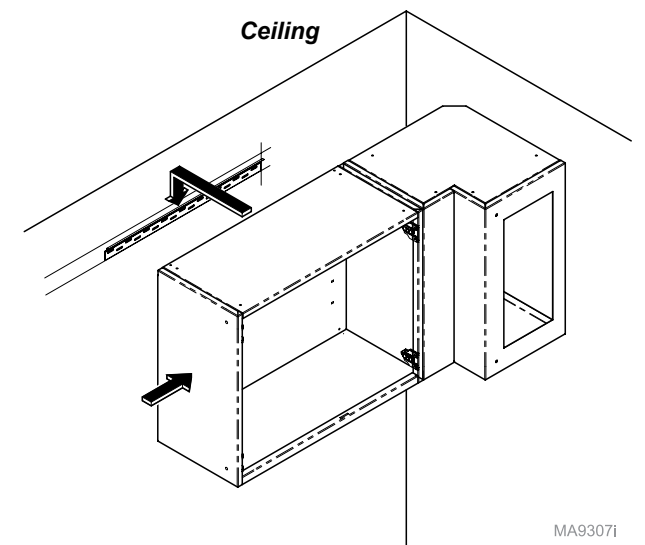
## Overhead Installation



MA9425i



MA9257i



MA9307i

### Step 9:

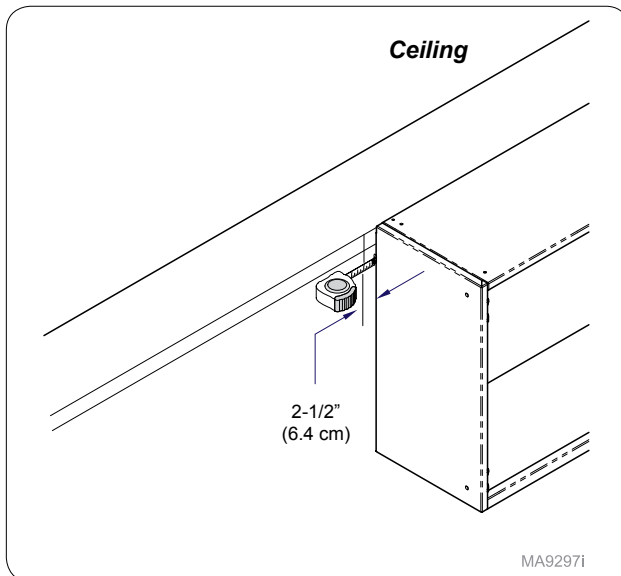
Place overhead unit onto hanging bracket. Adjust and level to desired position.

### Step 9: w/ Scribe

Place overhead unit onto hanging bracket. Adjust and level to desired position. **Note: Make sure cabinet is pushed into corner.**

### Step 9: w/ Overhead Corner Spacer

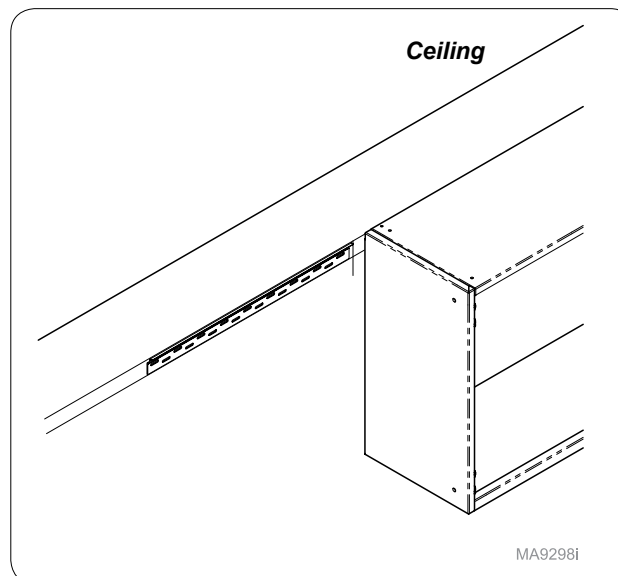
Place overhead unit onto hanging bracket. Adjust and level to desired position. **Note: Make sure cabinet is pushed into corner.**



MA9297i

### Step 10: Attaching Additional Units

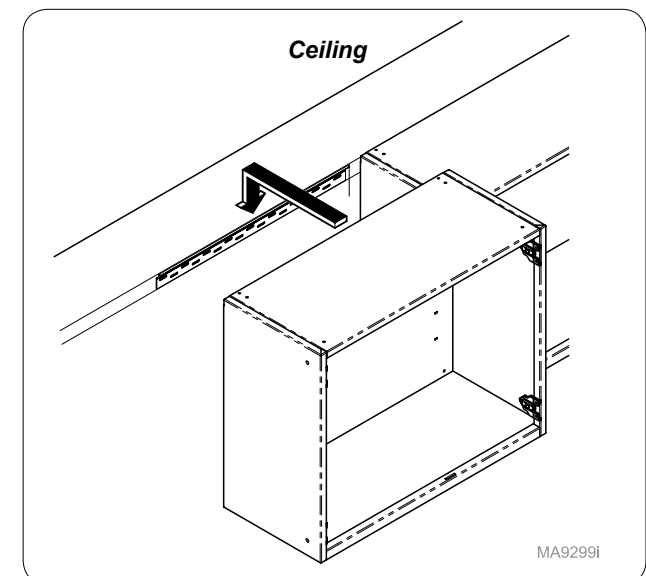
Measure 2-1/2" (6.35 cm) away from hung cabinet and mark.



MA9298i

### Step 11:

Mount hanging bracket to wall using hardware (not supplied). **Note: Refer to Caution and Note for step 6.**



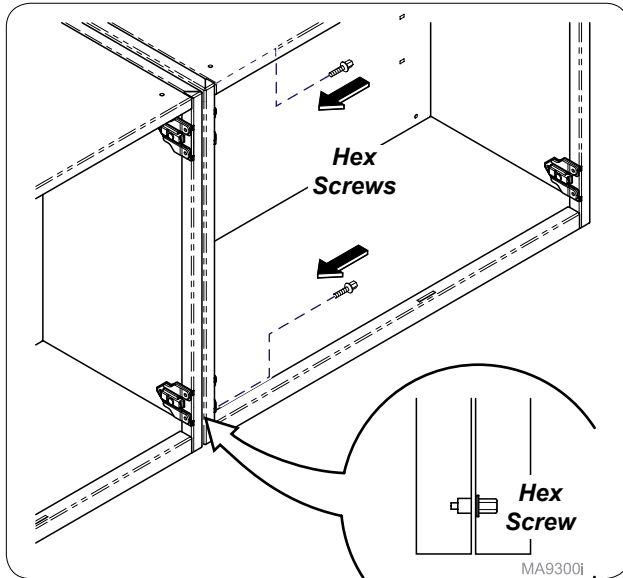
MA9299i

### Step 12:

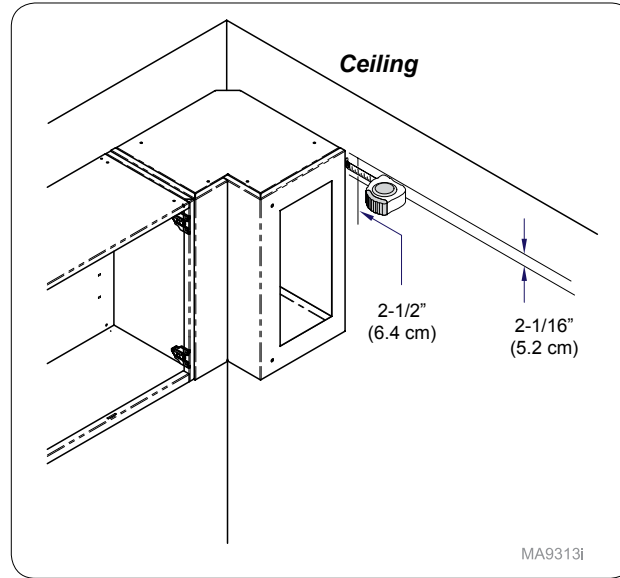
Place additional overhead unit onto hanging bracket.



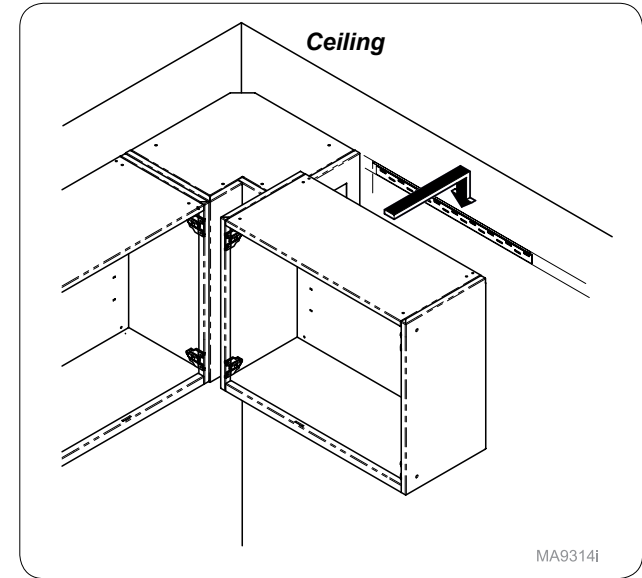
## Overhead Installation



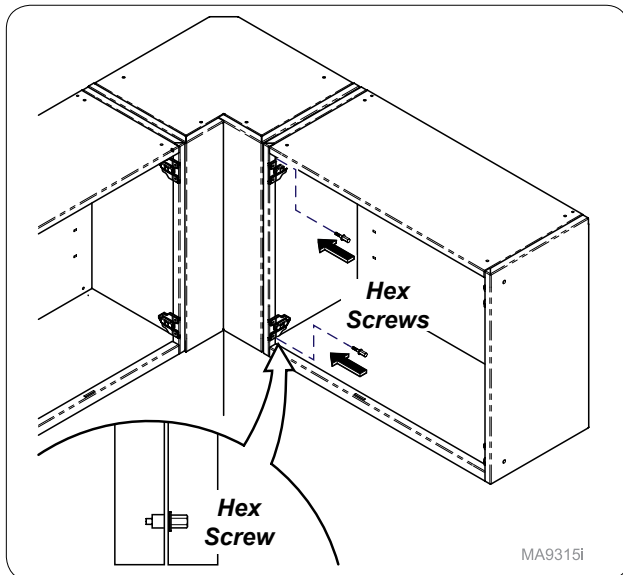
**Step 13:**  
Secure overhead units using hex screws provided.  
**Note: Repeat steps 10 thru 13 as needed.**



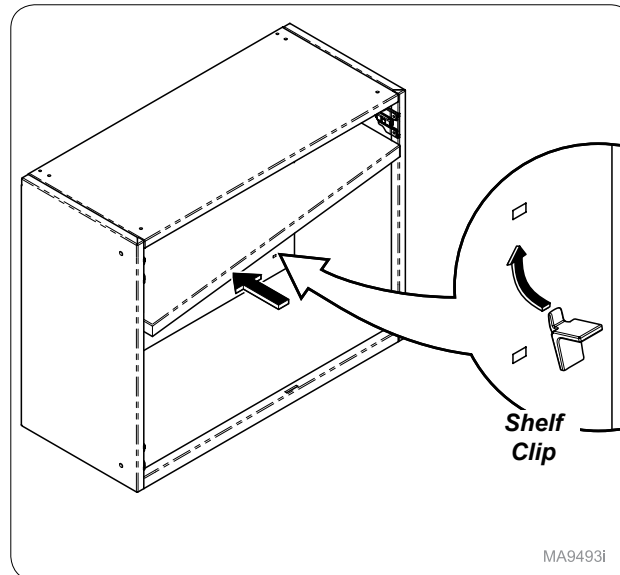
**Step 14: w/ Corner Bracket Assembly**  
Measure 2-1/2" (6.4 cm) away from hung cabinet and mark. Secure hanging bracket to wall. **Note: Refer to Caution and Note for step 6.**



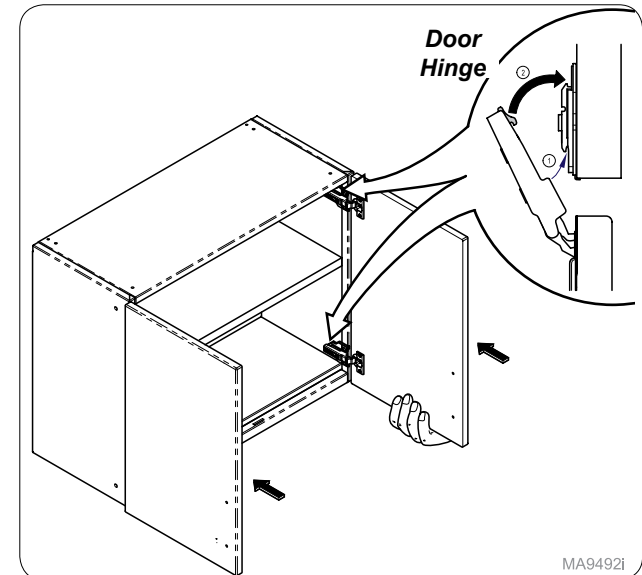
**Step 15: w/ Corner Bracket Assembly**  
Place additional overhead unit onto hanging bracket.



**Step 16: w/ Corner Bracket Assembly**  
Secure overhead units with hex screws provided.  
**Note: Repeat steps 13 thru 15 as needed.**

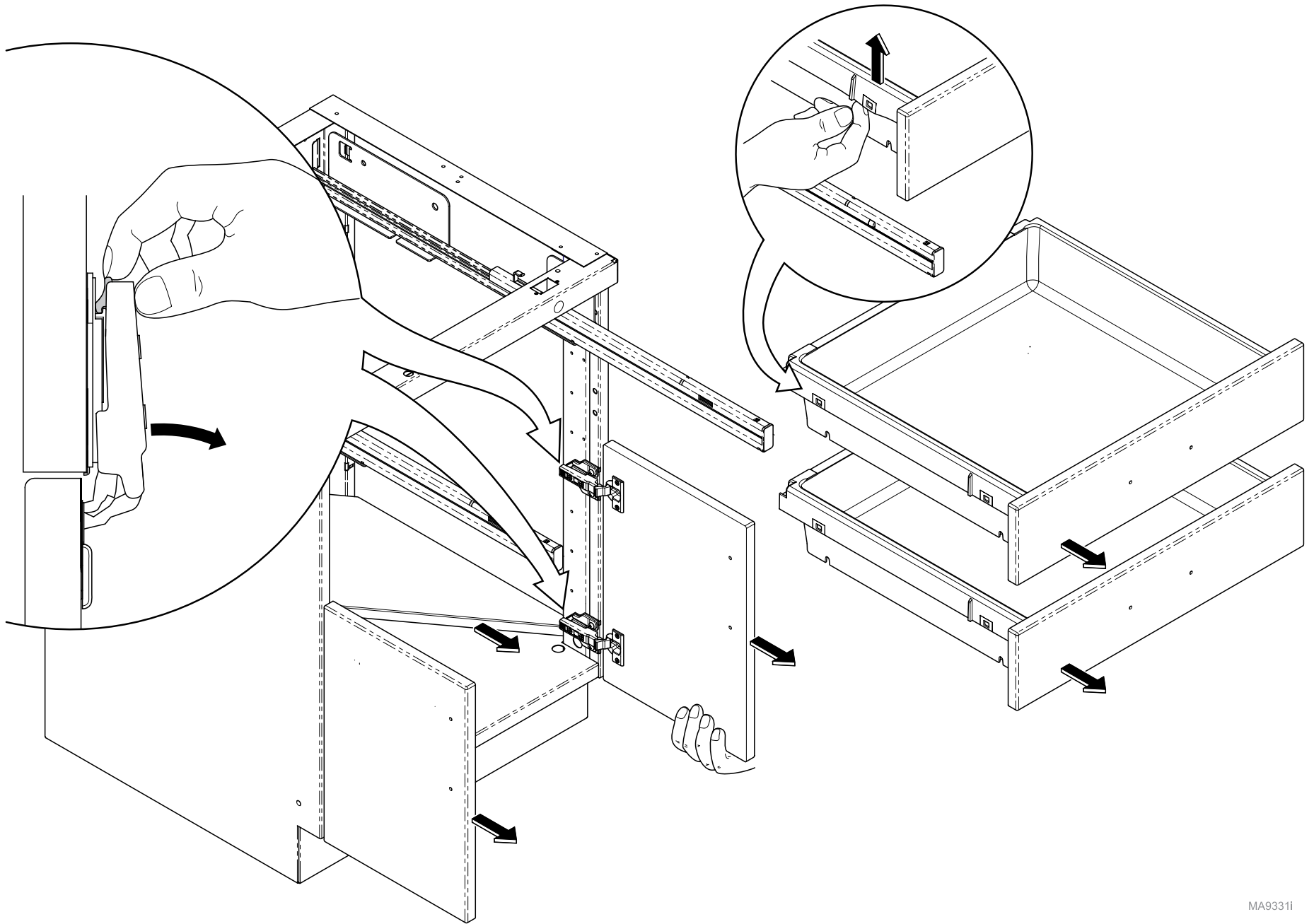


**Step 17:**  
Tilt shelf to fit into cabinet as shown. Install shelf clips and place shelf on top of clips.



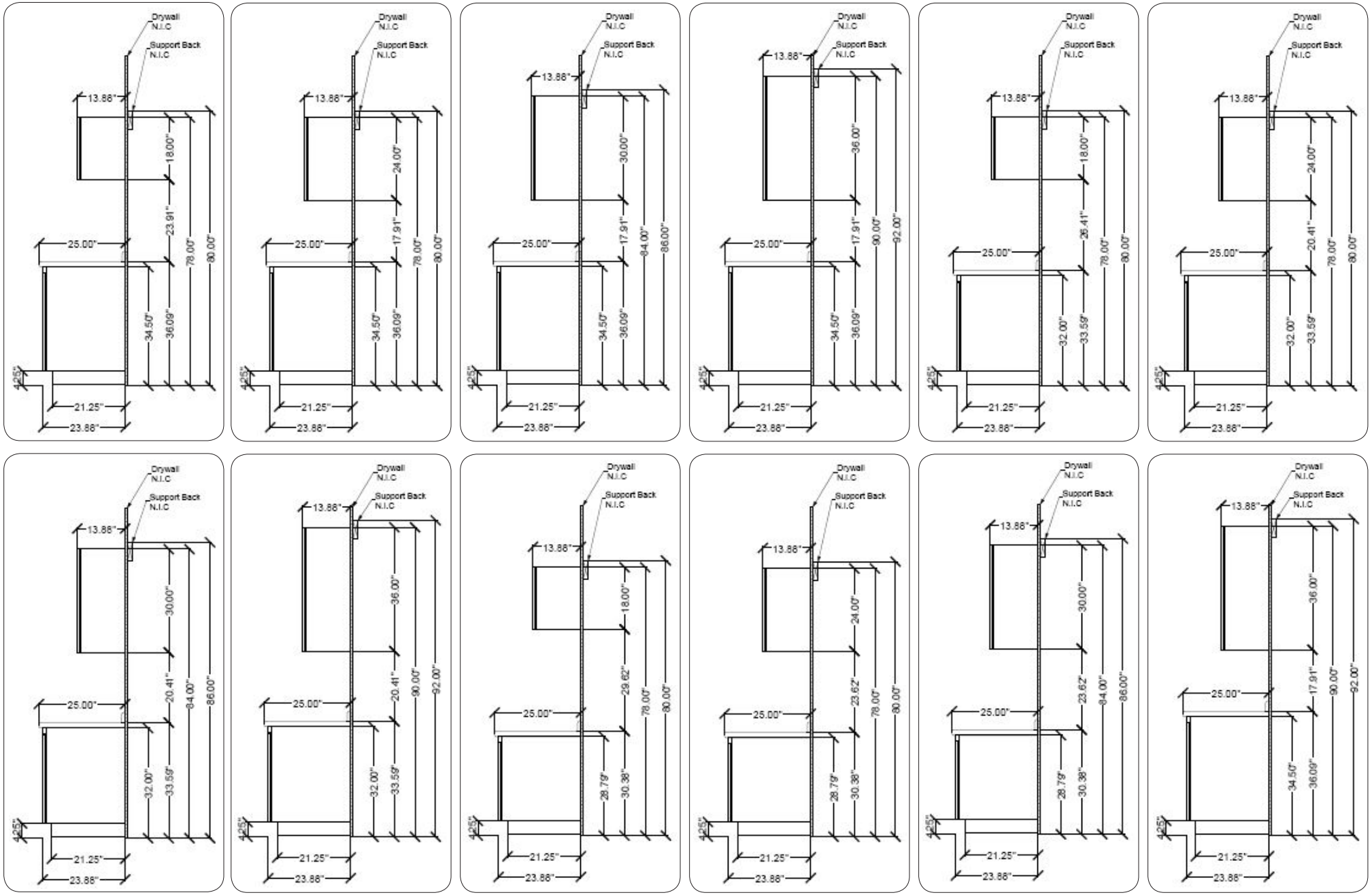
**Step 18:**  
Reinstall all cabinet doors. **Note: If sloping tops are specified, install them before any base units.**

## Base Unit Installation



**Step 1: Optional**  
Remove drawers, doors and shelves  
(if applicable) for easier installation.

## Base Unit Installation - Recommended Heights



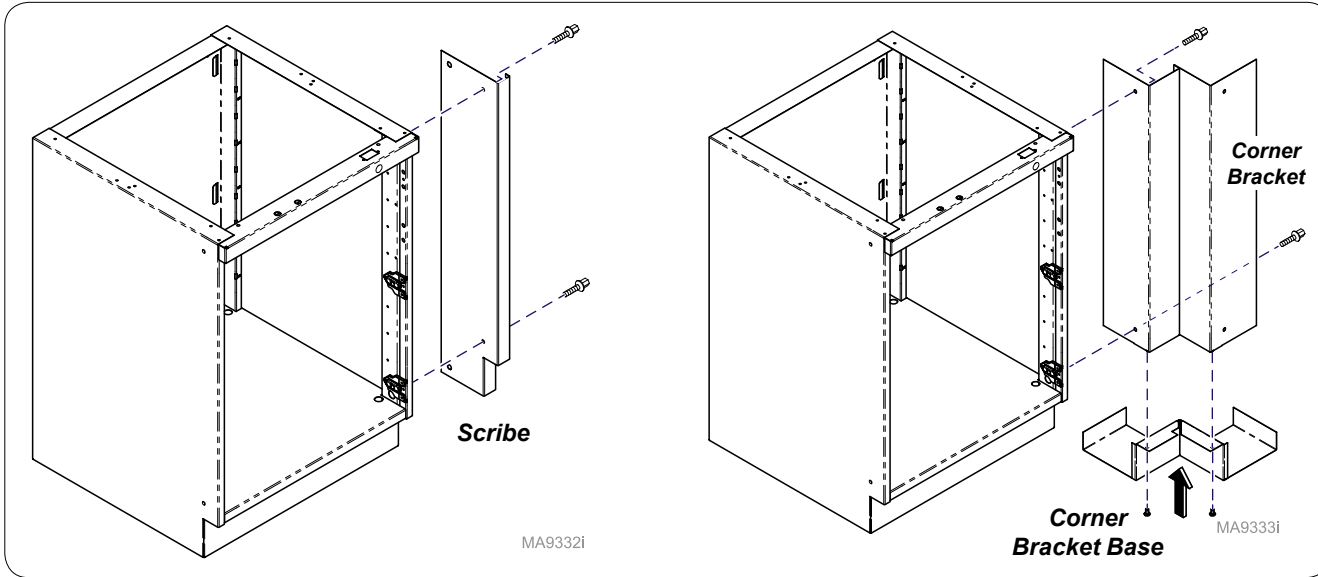
### Step 2:

Use Synthesis™ Casework Collection Drawings to determine desired position of base cabinet(s).

**NOTE:** View full SAMPLE version of Synthesis™ Casework Collection Drawing on page 7.

**A Synthesis™ Casework Collection Drawing (Room Layout) should be provided for each install. If Installer does not receive drawings please contact Midmark at 1-800-MIDMARK (643-6275)**

## Base Unit Installation



MA9332i

MA9333i

### Step 3: w/ Scribe

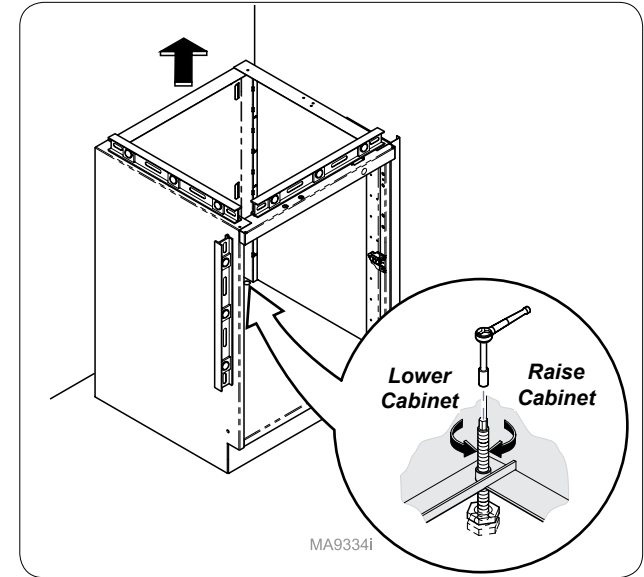
Attach scribe to base unit using hex screws provided.

**Note: Skip to step 4 w/ Scribe.**

### Step 3: w/ Corner Bracket

Attach corner bracket base to corner bracket. Then attach corner bracket assembly to base unit using hex screws provided.

**Note: Skip to step 4 w/ Corner Bracket.**

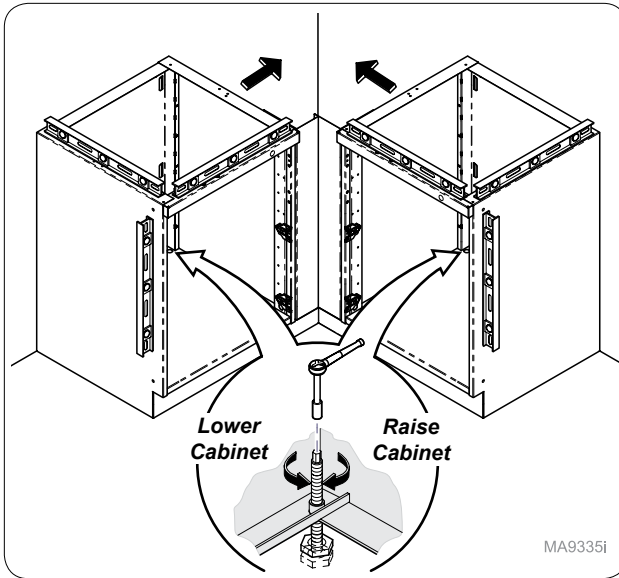


MA9334i

### Step 4: w/ Scribe

Move unit into place and level as shown. Make sure all feet are in contact with the floor.

**Note: Skip to step 9 for attaching additional units.**

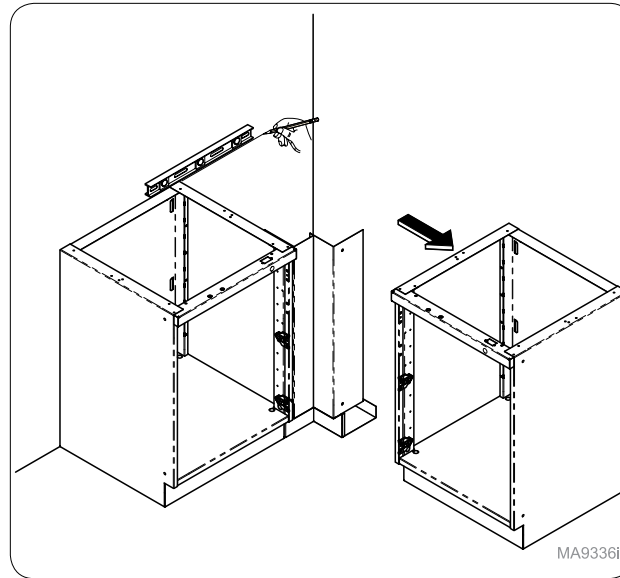


MA9335i

### Step 4: w/ Corner Bracket

Move both base units into corner for positioning purposes and level as shown. Make sure all feet are in contact with the floor.

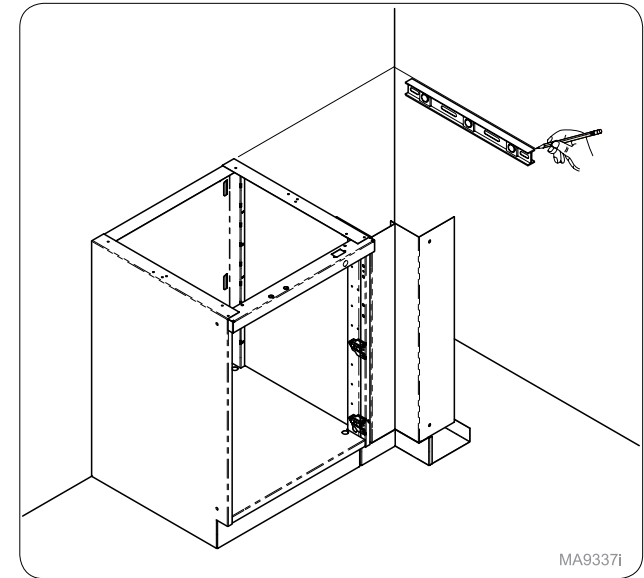
**Note: Do not attach 2nd unit.**



MA9336i

### Step 5: w/ Corner Bracket

Move unattached base unit away and mark for top of corner supports.

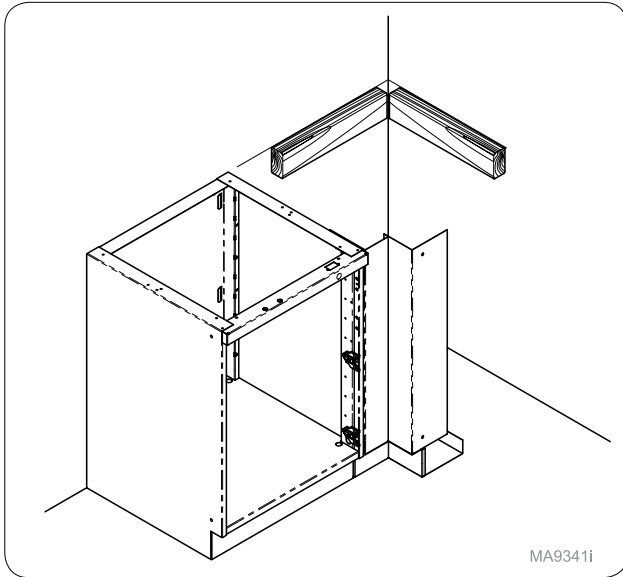


MA9337i

### Step 6: w/ Corner Bracket

Use level to continue previous mark onto adjoining wall.

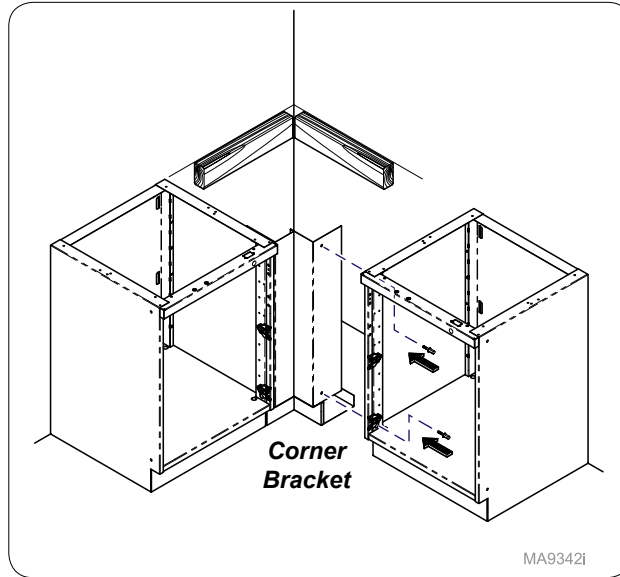
## Base Unit Installation



MA9341i

### Step 7: w/ Corner Bracket

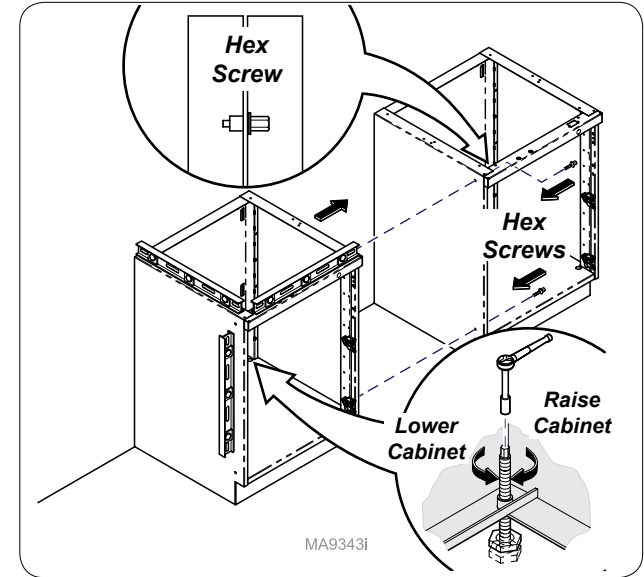
Mount corner support for countertop to wall using hardware (not supplied). **Note: Secure to studs where possible.**



MA9342i

### Step 8: w/ Corner Bracket

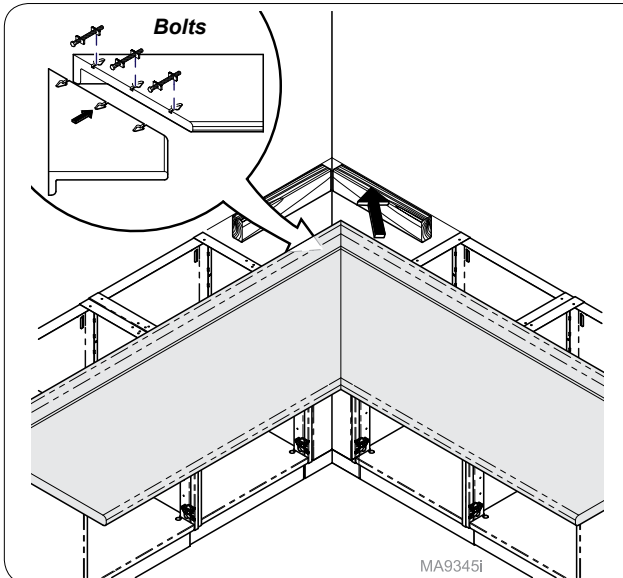
Attach other base unit to corner bracket.



MA9343i

### Step 9: Attaching Additional Units

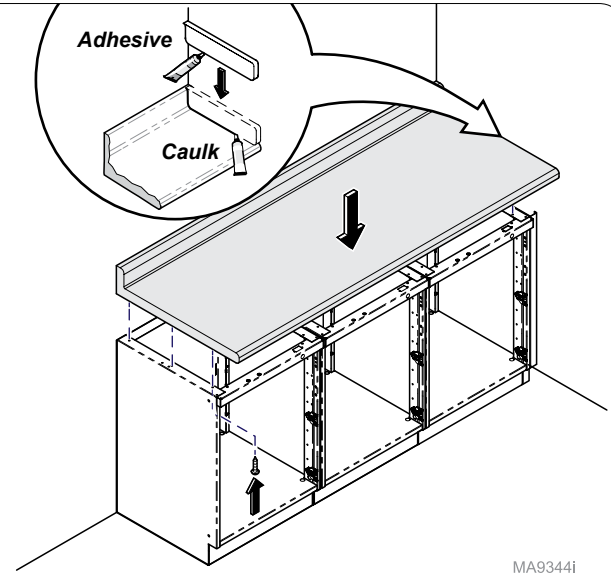
Move additional unit into place and level as shown. Make sure all feet are in contact with the floor. Attach using hex screws provided. **Note: Repeat this step as needed.**



MA9345i

### Step 10: w/ Corner Bracket

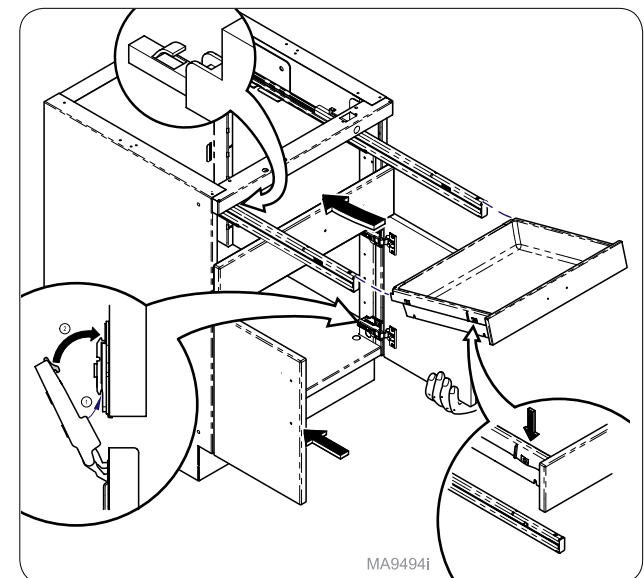
Line up slots on the underside of corner countertop and then install and tighten bolts. Move counter into place and secure using wood screws.



MA9344i

### Step 10: w/ Scribe

Secure countertop to cabinet using (#10 x 3/4") wood screws along front and sides of cabinet. Install side splash in corner (if applicable). **Note: Refer to Countertop Install.**

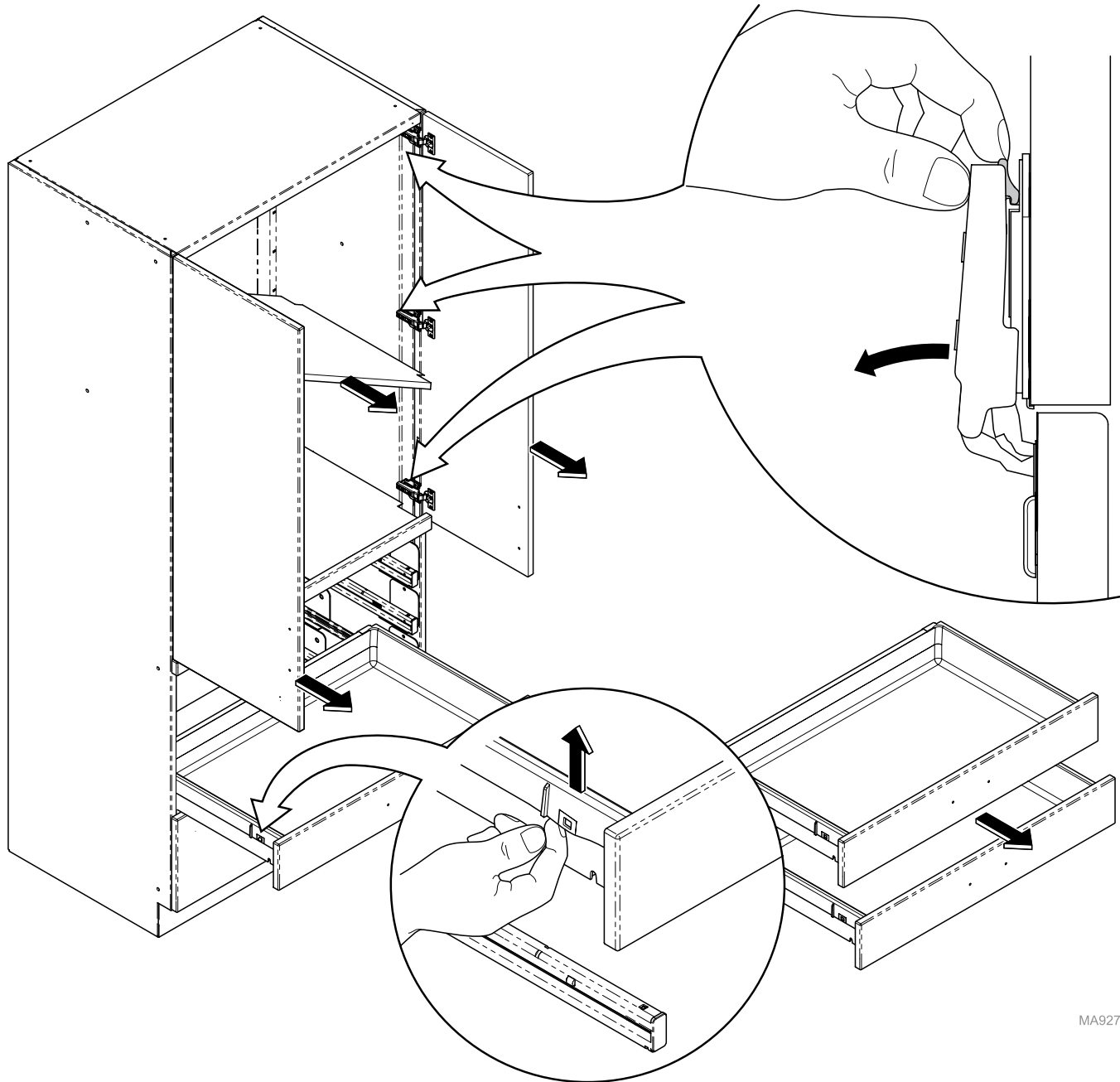


MA9494i

### Step 11:

Reinstall drawers and doors as shown.

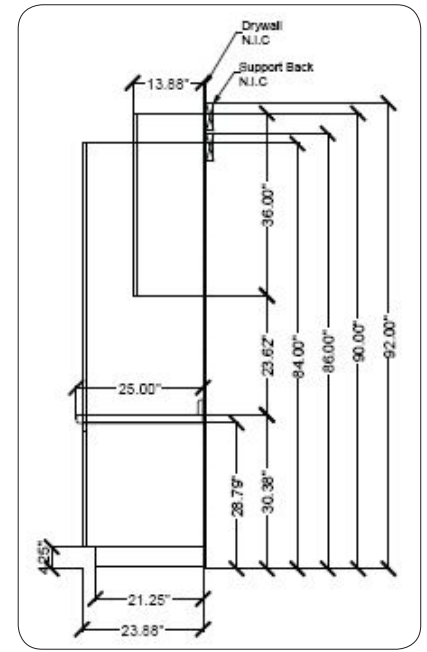
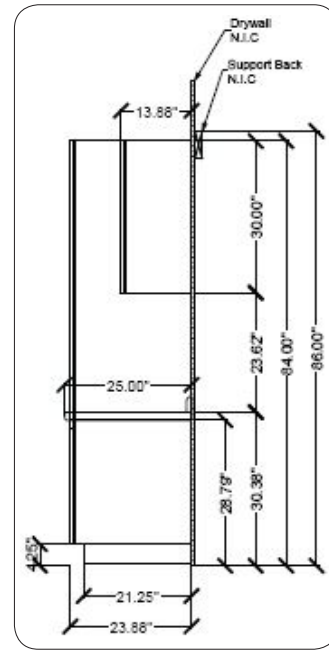
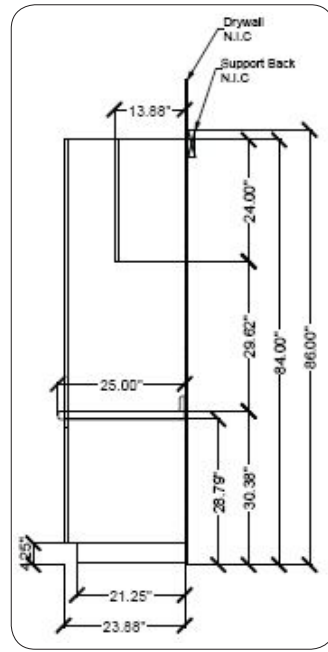
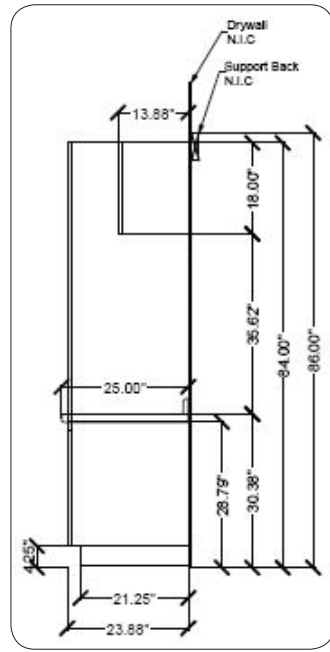
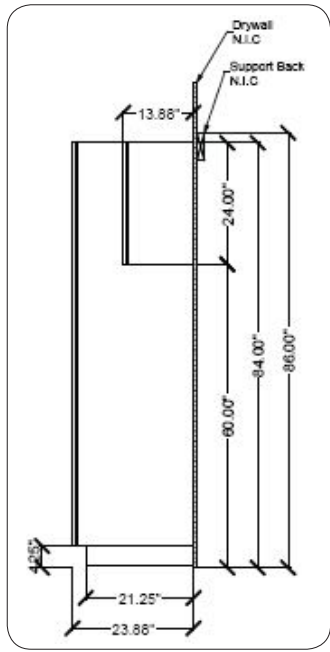
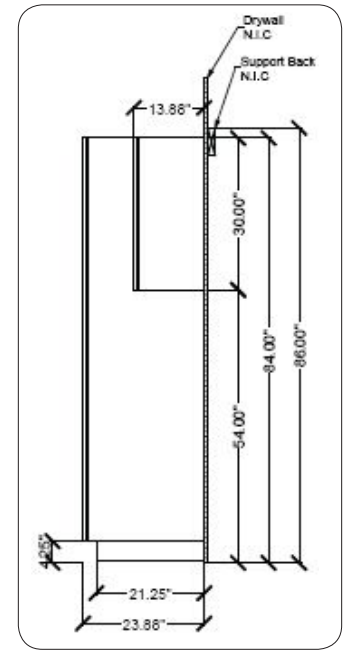
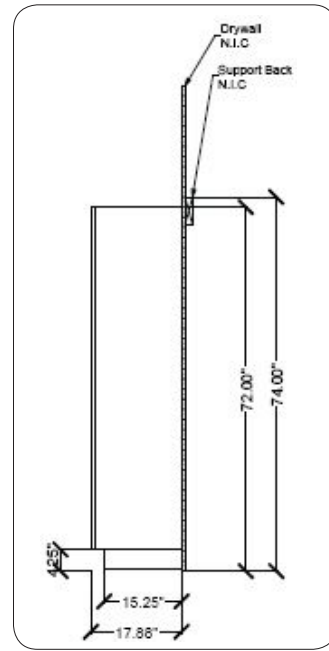
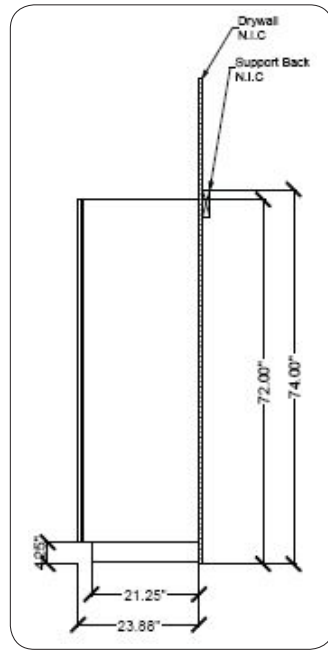
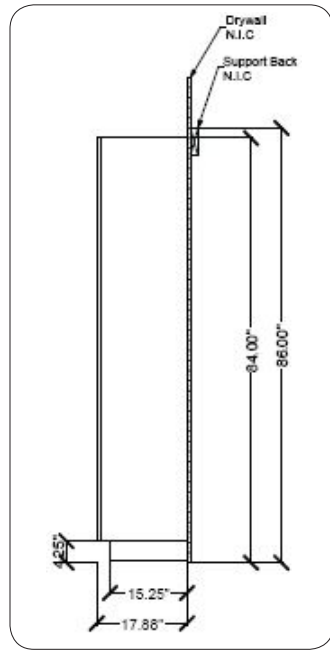
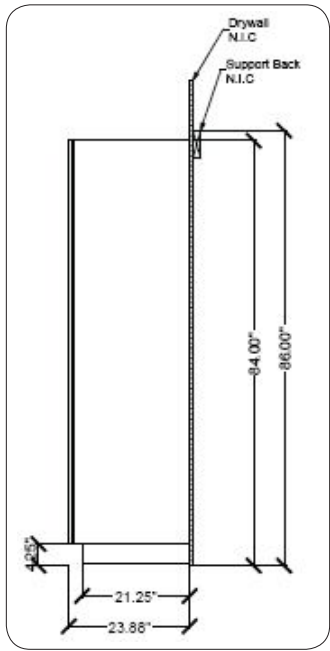
## 84" & 72" Tall Unit Installation



MA92771

**Step 1:**  
Remove drawers, doors and shelves  
(if applicable) for easier installation.

## Tall Unit Installation - Recommended Heights



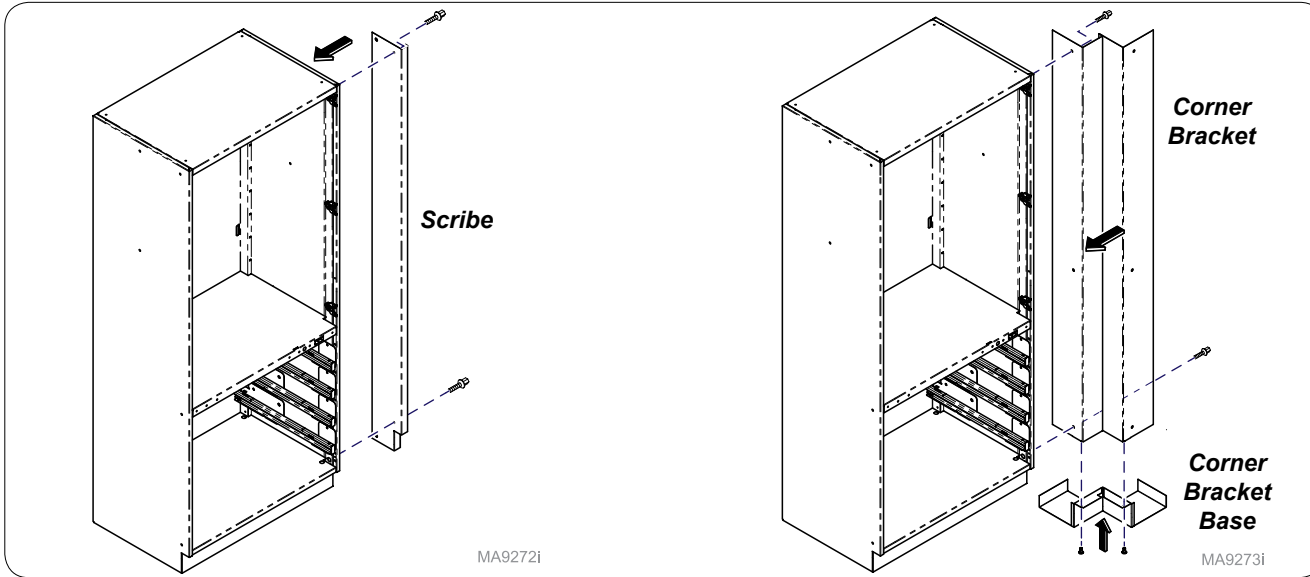
### Step 2:

Use Synthesis™ Casework Collection Drawings to determine desired position of Tall Unit(s).

**NOTE:** View full SAMPLE version of Synthesis™ Casework Collection Drawing on page 7.

**A Synthesis™ Casework Collection Drawing (Room Layout) should be provided for each install. If Installer does not receive drawings please contact Midmark at 1-800-MIDMARK (643-6275)**

## 84" & 72" Tall Unit Installation

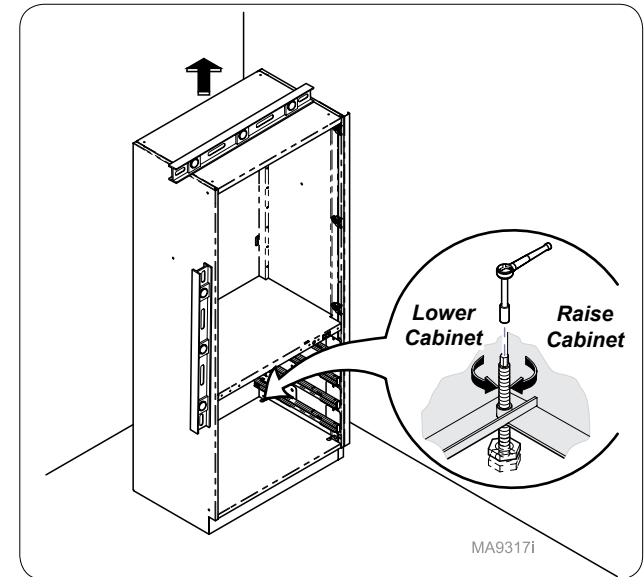


### Step 3: w/ Scribe

Attach scribe to tall unit using hex screws provided.  
**Note: Skip to step 4 w/ Scribe.**

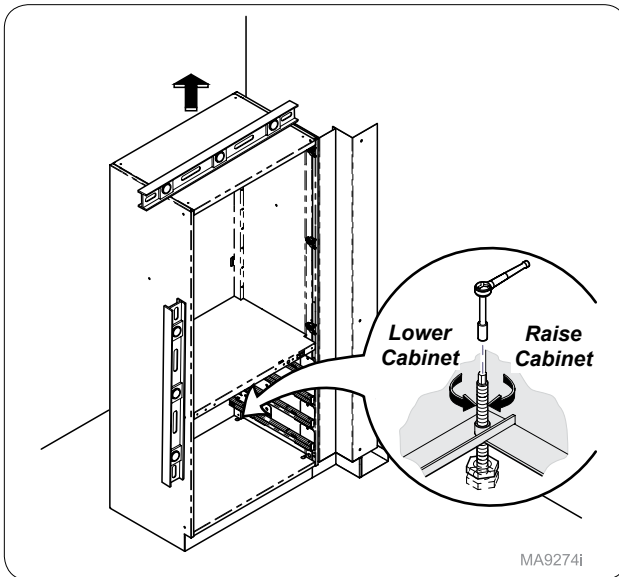
### Step 3: w/ Corner Bracket

Attach corner bracket to tall unit using hex screws provided.  
**Note: Skip to step 4 w/ Corner Bracket.**



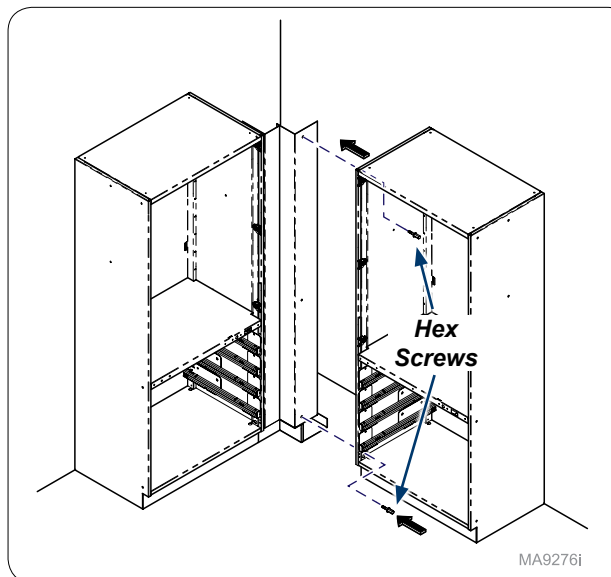
### Step 4: w/ Scribe

Move unit into place and level as shown. Make sure all feet are in contact with the floor.  
**Note: Skip to step 6 for attaching additional units.**



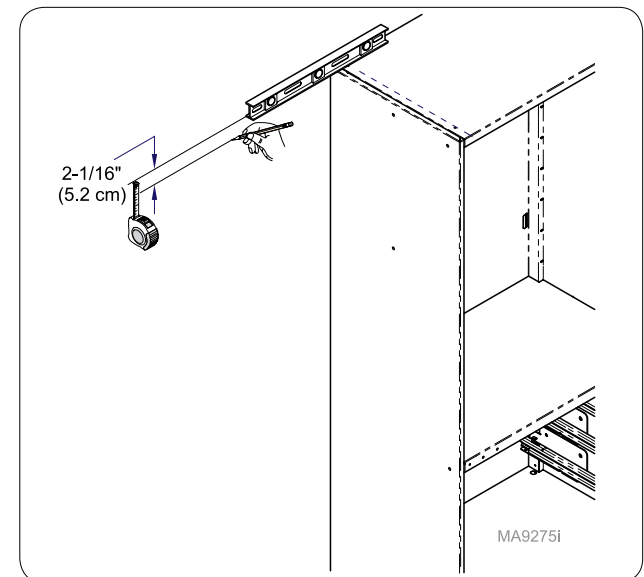
### Step 4: w/ Corner Bracket

Move unit into place and level as shown. **Note: Make sure all feet are in contact with the floor.**



### Step 5: w/ Corner Bracket

Move second tall unit into place and secure to corner bracket using hex screws provided.

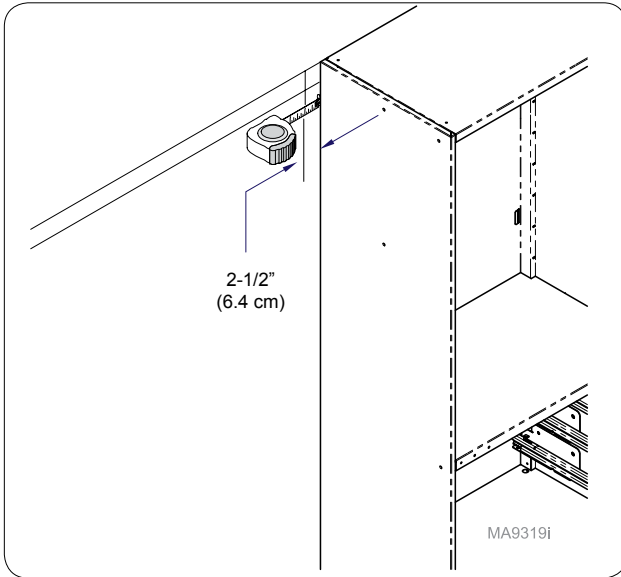


### Step 6: Attaching Overhead Units

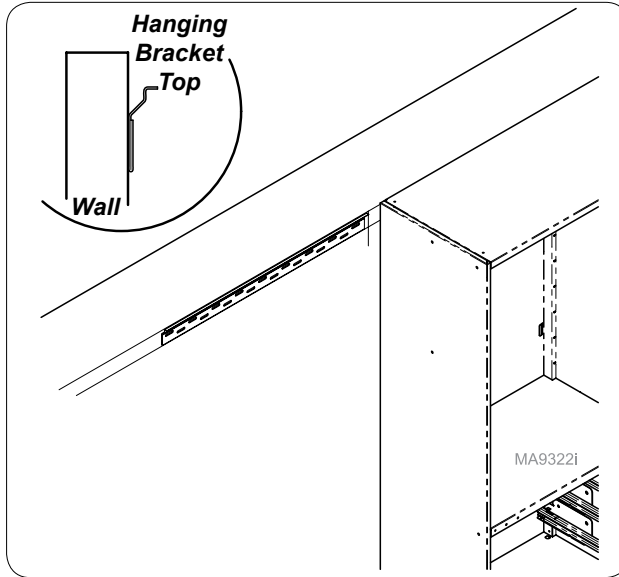
Measure 2-1/16" (5.2 cm) lower than the top of tall unit and mark for bottom of hanging bracket. Use level to extend lines.



## 84" & 72" Tall Unit Installation



**Step 7:**  
Measure 2-1/2" (6.4 cm) from tall unit and mark for start of hanging bracket.



**Step 8:**  
Mount hanging bracket to wall using hardware (not supplied).

### Attention:

Local, city, or national building codes should be followed before using midmark suggested fasteners for installation.

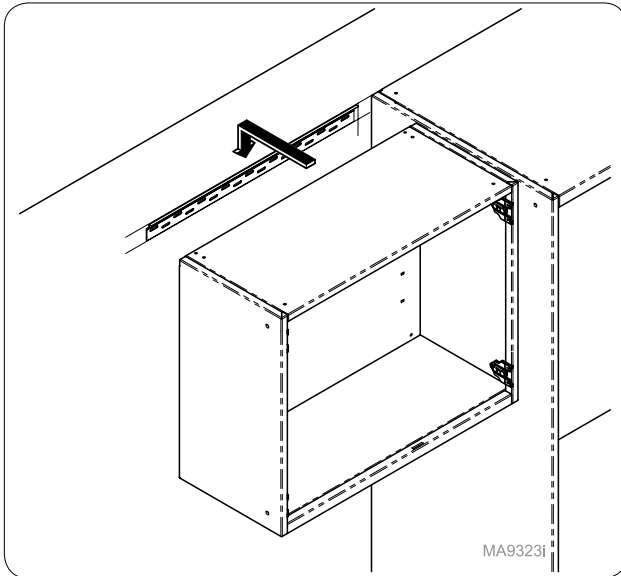
### Note: Suggested Fasteners

- Stud walls (standard): #10 x 2 wood screws (coarse threaded).
- Steel studded walls: sheet metal #10 fine screws.
- Hollow type or masonry walls: #10 machine screw expansion anchors of adequate length. A 3/16" short molly or other type of fastener may be used if pre-drilled.
- Rough solid concrete or brick wall: #10 round head wood screw or a specialized masonry fastener.

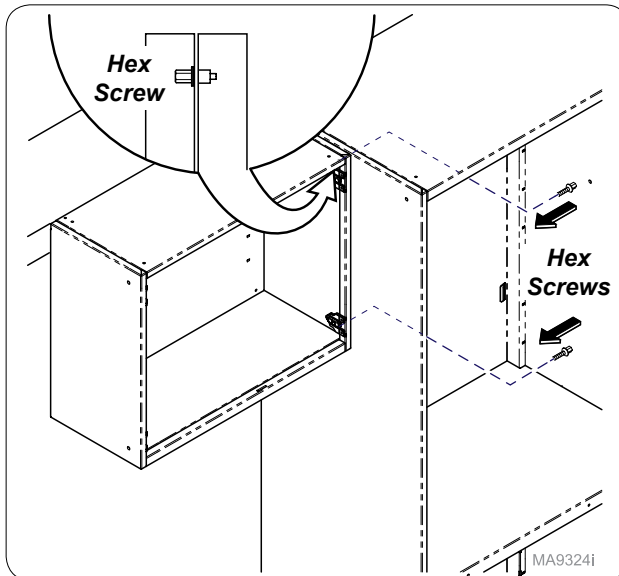


### Caution

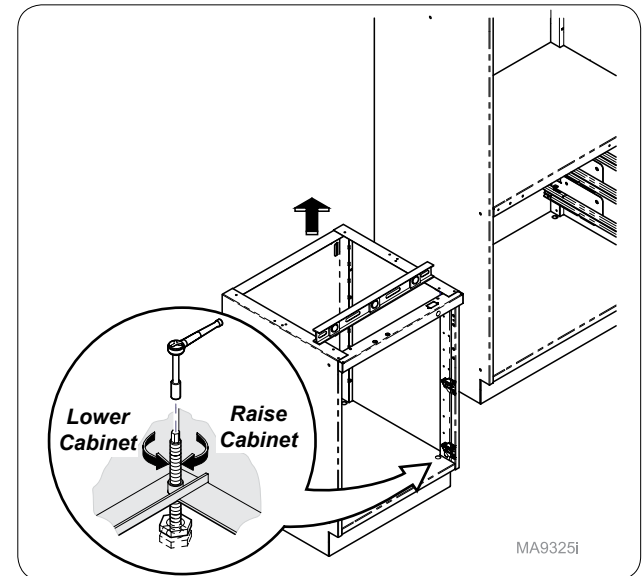
Installer must secure bracket to at least one stud and use wall anchors on any screws that cannot be secured to studs.



**Step 9:**  
Place overhead unit onto hanging bracket.

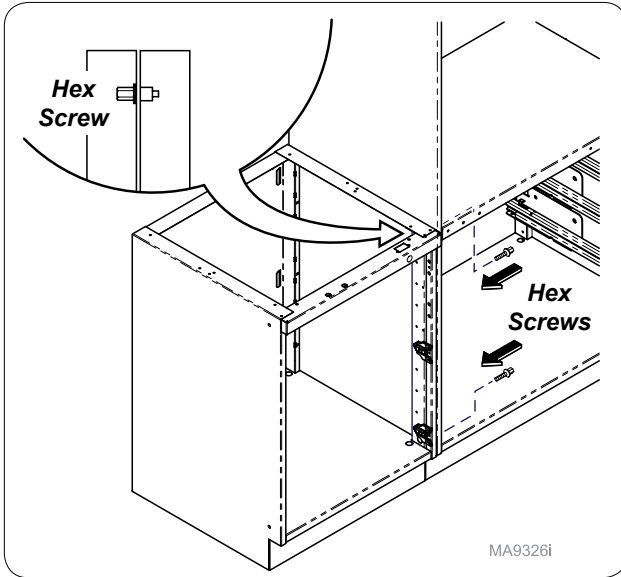


**Step 10:**  
Secure overhead cabinet to tall unit using hex screws provided.  
**Note: Repeat steps 7 thru 10 as needed.**

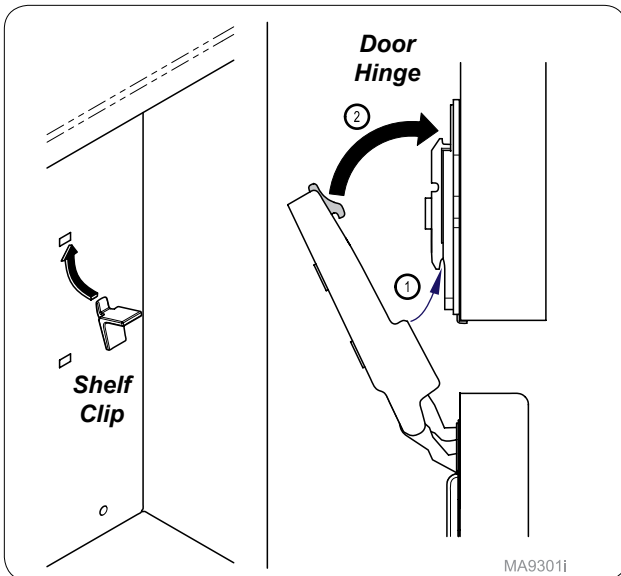


**Step 11: Adding Base Units**  
Move base unit into place and level as shown. **Note: Make sure all feet are in contact with the floor.**

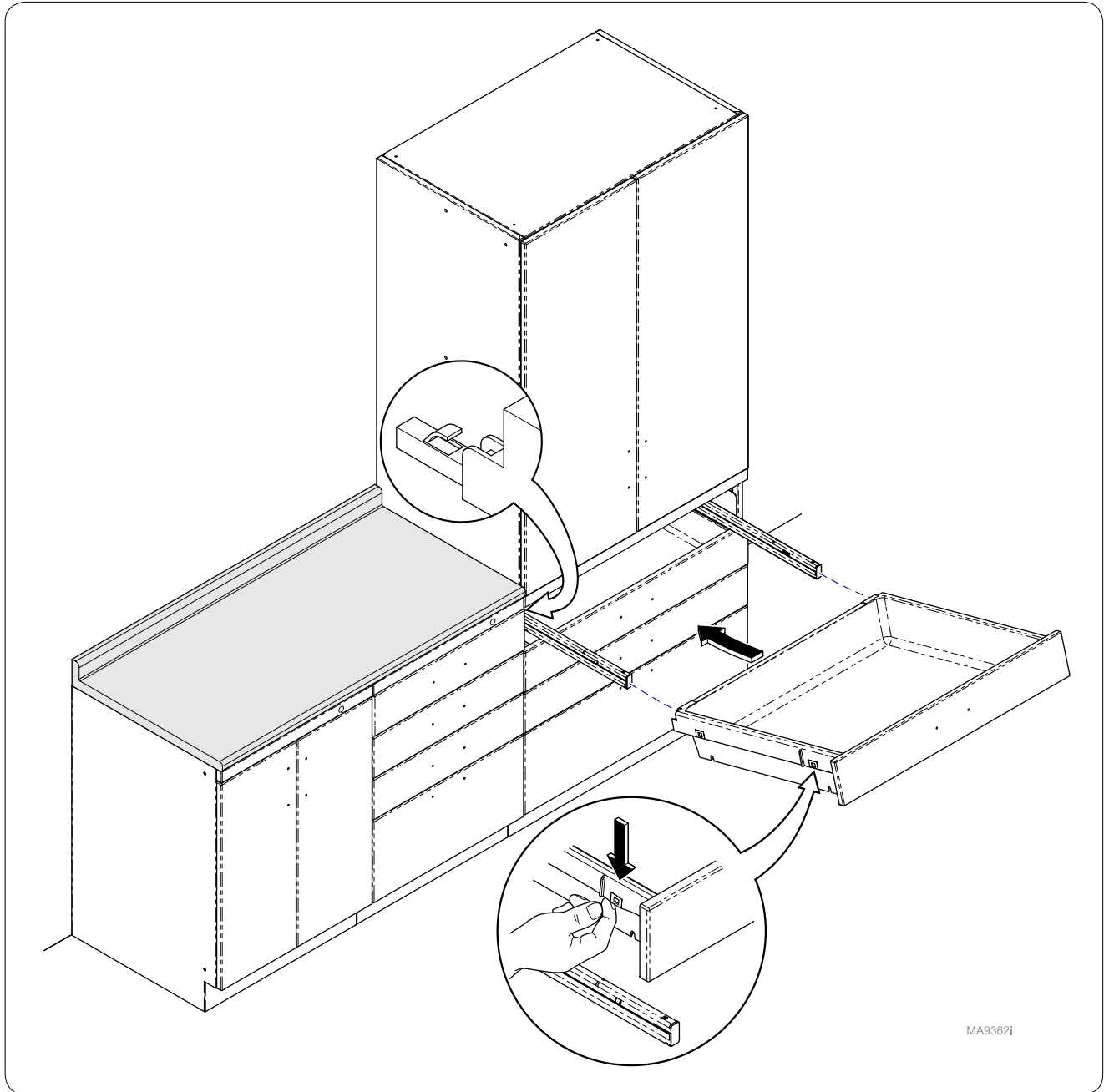
## 84" & 72" Tall Unit Installation



**Step 12:**  
Secure lower cabinet to tall unit using hex screws provided.  
**Note:** Repeat steps 11 & 12 as needed.

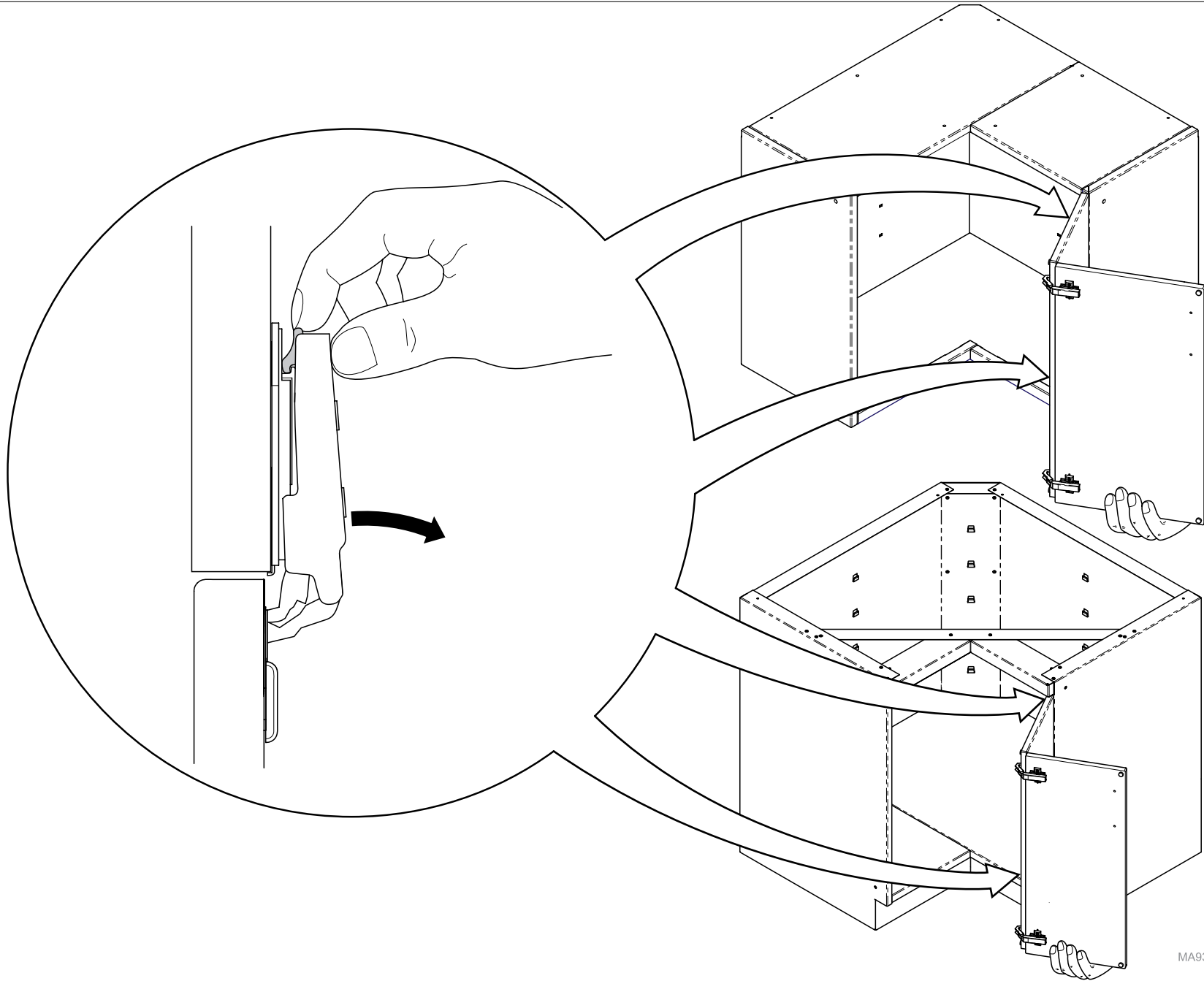


**Step 13:**  
Tilt shelves to fit into cabinet and install shelf clips as shown. Reattach all doors as shown.



**Step 14:**  
Reinstall drawers into cabinet as shown.

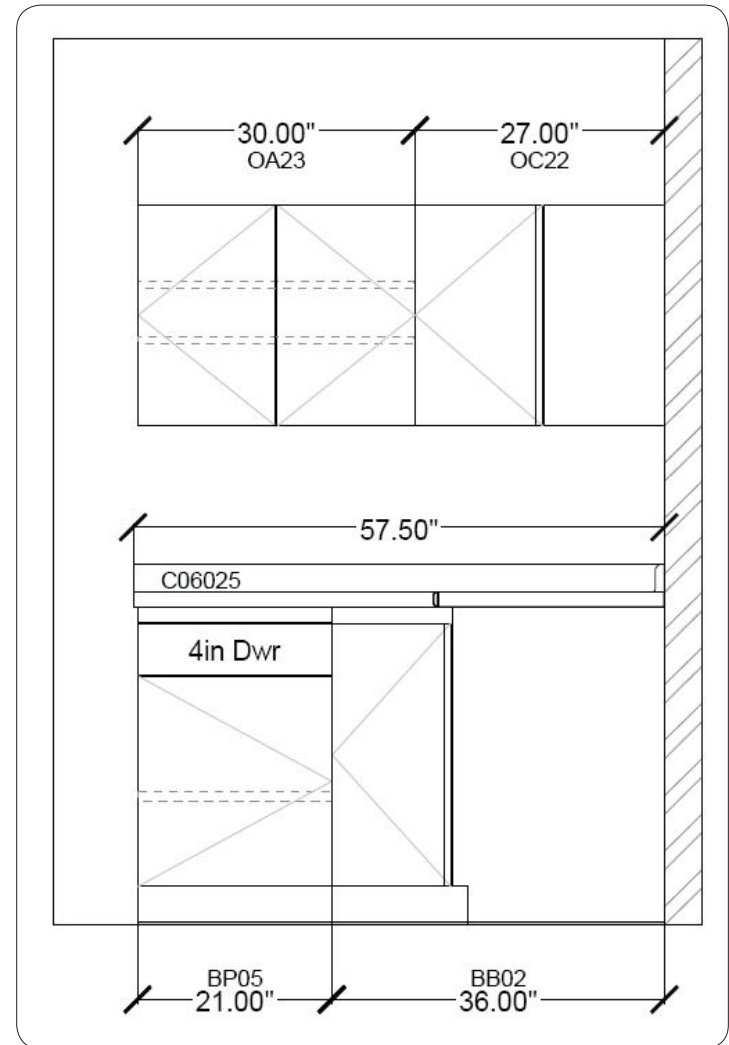
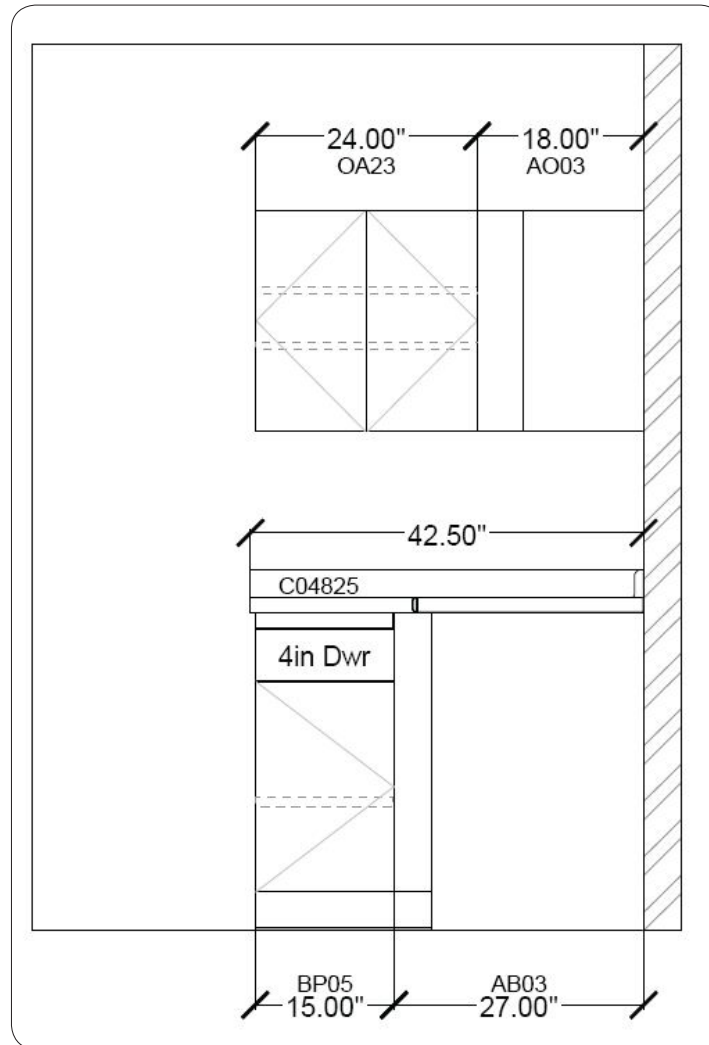
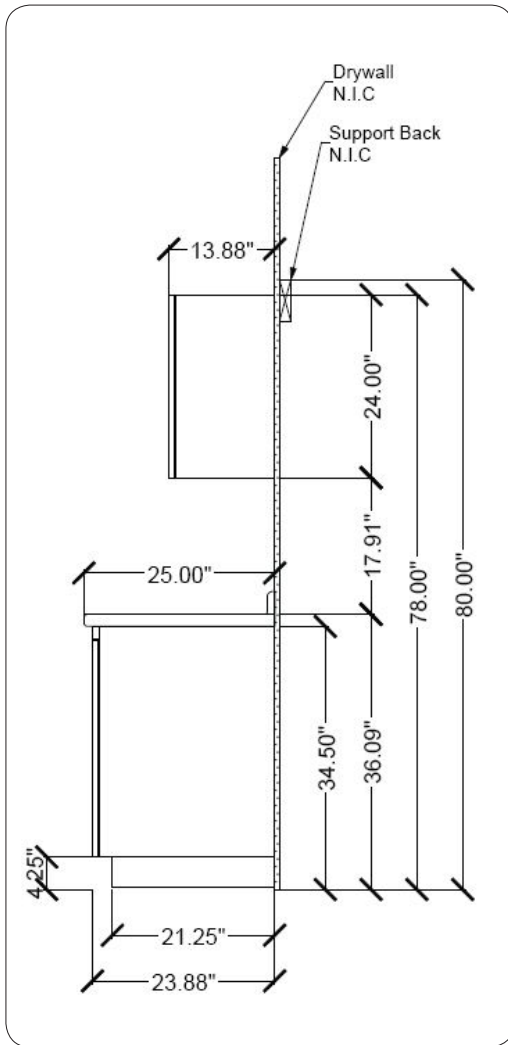
## Corner Overhead & Base Unit Installation



MA9371i

**Step 1:**  
Remove doors and shelves (if necessary)  
for easier installation.

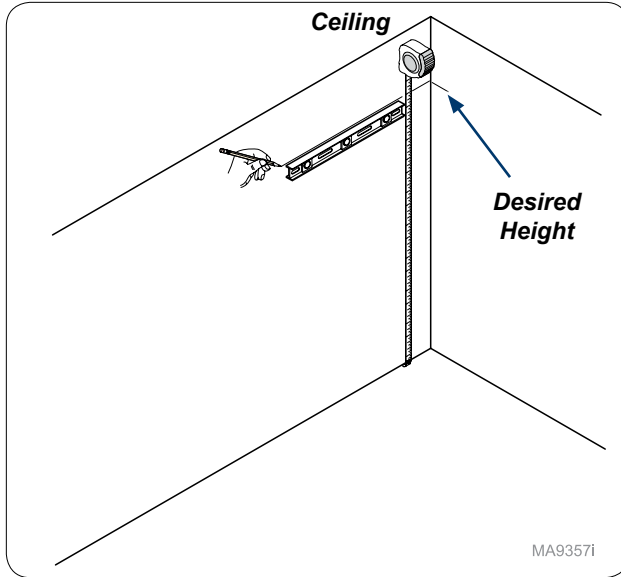
## Corner Overhead & Base Unit Installation- Recommended Heights



**Step 2:**  
Use Synthesis™ Casework Collection Drawings to determine desired height & position of Corner Unit(s). **NOTE:** View full SAMPLE version of Synthesis™ Casework Collection Drawing on page 7.

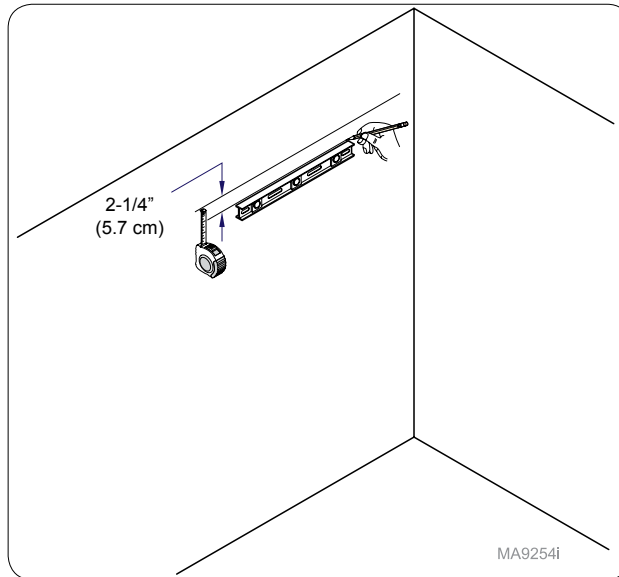
**A Synthesis™ Casework Collection Drawing (Room Layout) should be provided for each install. If Installer does not receive drawings please contact Midmark at 1-800-MIDMARK (643-6275)**

## Corner Overhead Unit Installation



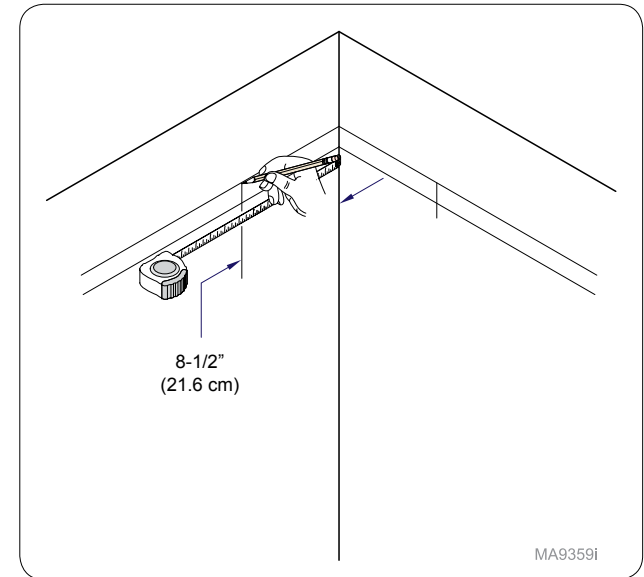
MA9357i

**Step 3: Corner Overhead Unit**  
Mark desired height for the corner overhead unit.  
**Note: Corner Base Install**



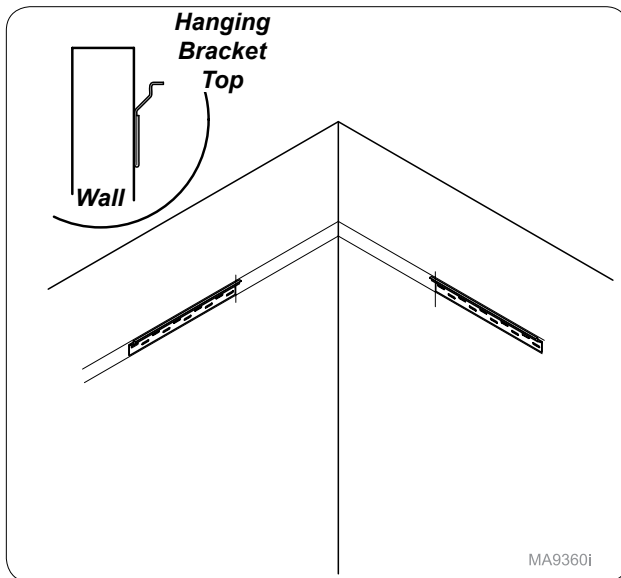
MA9254i

**Step 4:**  
Measure 2-1/4" (5.7 cm) down from desired height for bottom of hanging bracket. Extended line using level.



MA9359i

**Step 5:**  
Measure 8-1/2" (21.6 cm) from corner of wall and mark.



MA9360i

**Step 6:**  
Mount hanging brackets to wall with hardware (not supplied).

### Attention:

Local, city, or national building codes should be followed before using midmark suggested fasteners for installation.

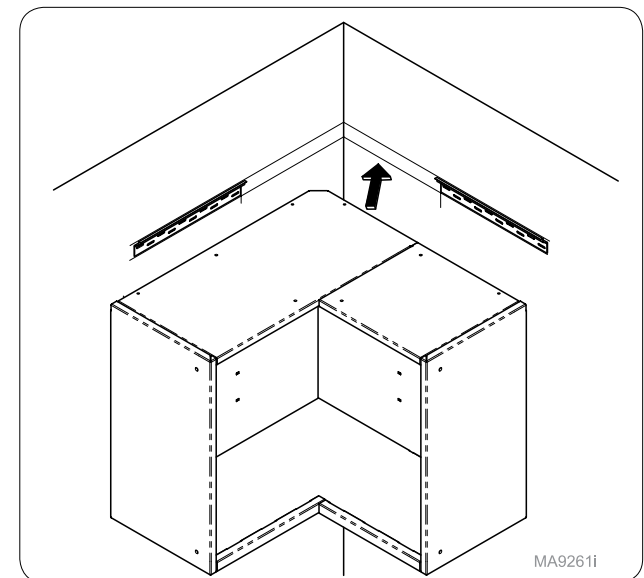
### Note: Suggested Fasteners

- Stud walls (standard): #10 x 2 wood screws (coarse threaded).
- Steel studded walls: sheet metal #10 fine screws.
- Hollow type or masonry walls: #10 machine screw expansion anchors of adequate length. A 3/16" short molly or other type of fastener may be used if pre-drilled.
- Rough solid concrete or brick wall: #10 round head wood screw or a specialized masonry fastener.



### Caution

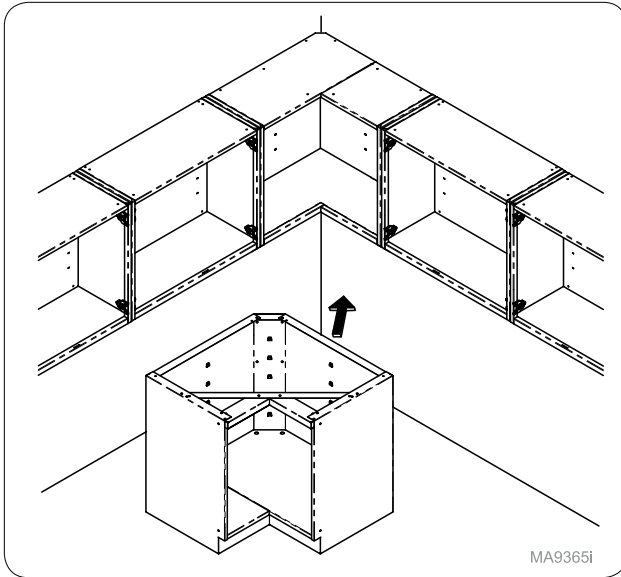
Installer must secure bracket to at least one stud and use wall anchors on any screws that cannot be secured to studs.



MA9261i

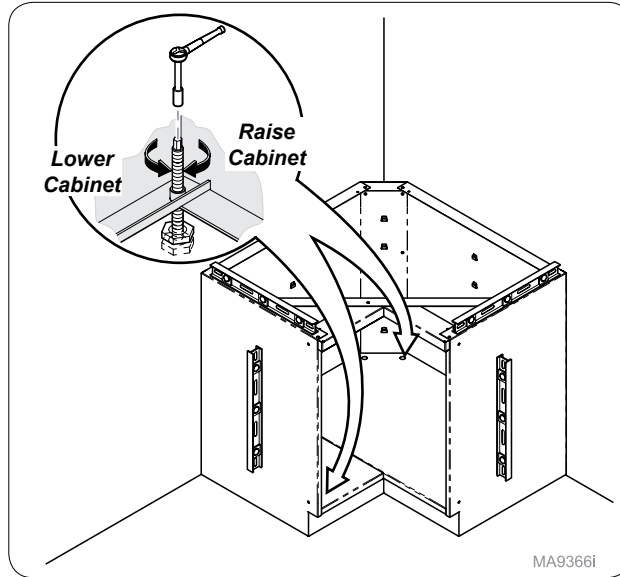
**Step 7:**  
Place overhead unit onto hanging bracket. **Note: Refer to Overhead Installation for attaching additional overhead units.**

## Corner Base Unit Installation



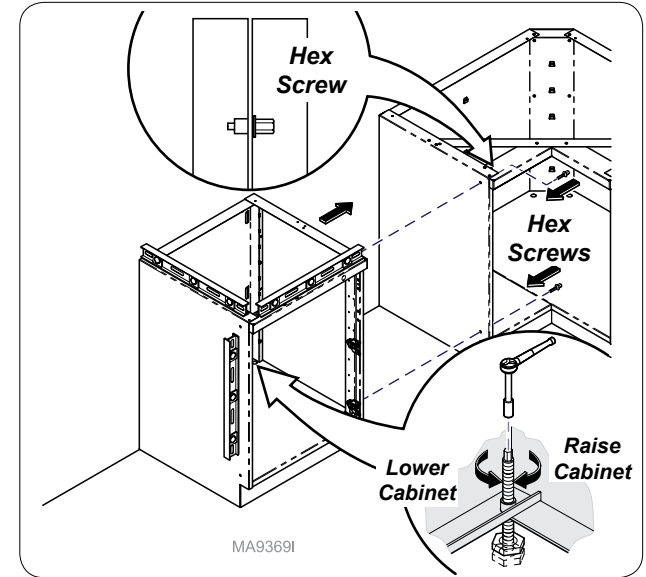
MA9365i

**Step 1: Corner Base Unit**  
Move corner base unit into place.



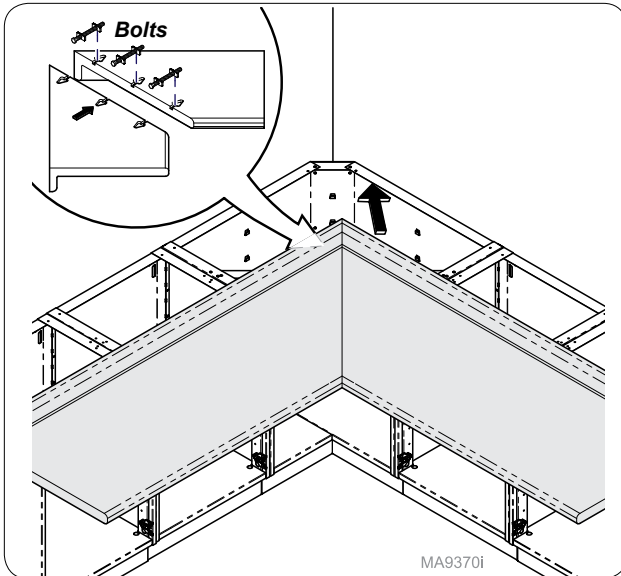
MA9366i

**Step 2:**  
Adjust leveling feet as shown to level unit.  
**Note: Make sure all feet are in contact with the floor.**



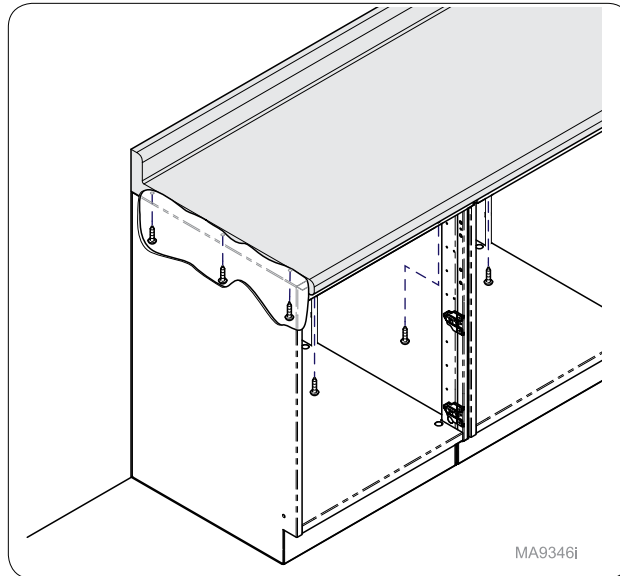
MA9369i

**Step 3:**  
Move additional unit into place and level as shown.  
Secure to corner base unit using hex screws provided.



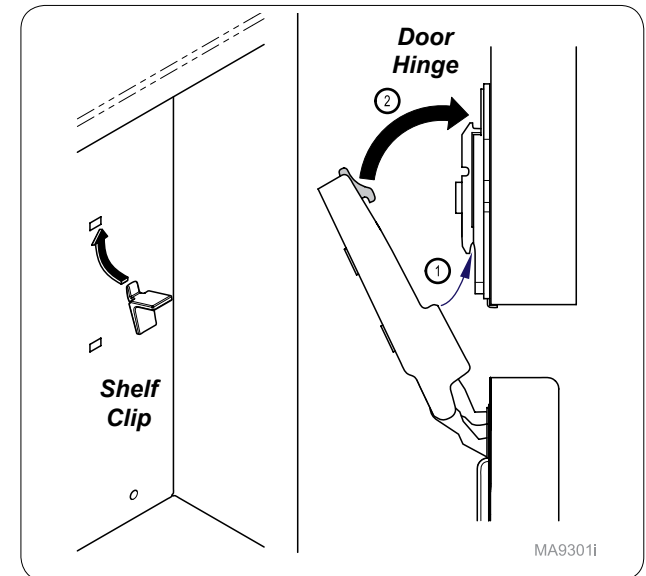
MA9370i

**Step 4:**  
Assemble corner countertop by lining up slots on the underside of countertop then install & tighten bolts.  
**Note: 2 people are needed for this install**



MA9346i

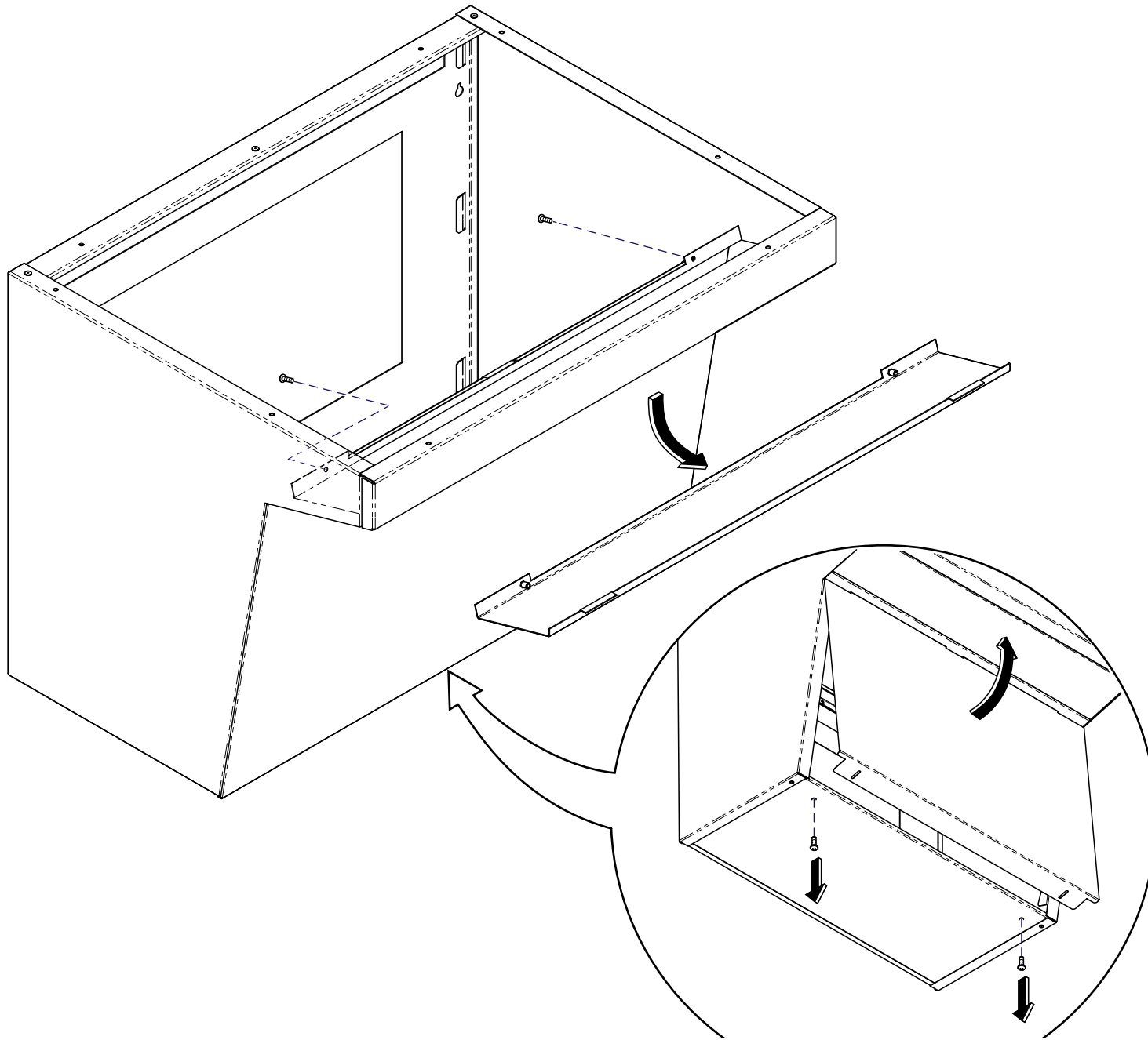
**Step 5:**  
Secure countertop to cabinet with (#10 x 3/4") wood screws along front and sides of cabinet.



MA9301i

**Step 6:**  
Tilt shelves to fit into cabinet and install shelf clips as shown. Reattach all doors as shown.

## Wall Hanging Sink Installation (ADA)

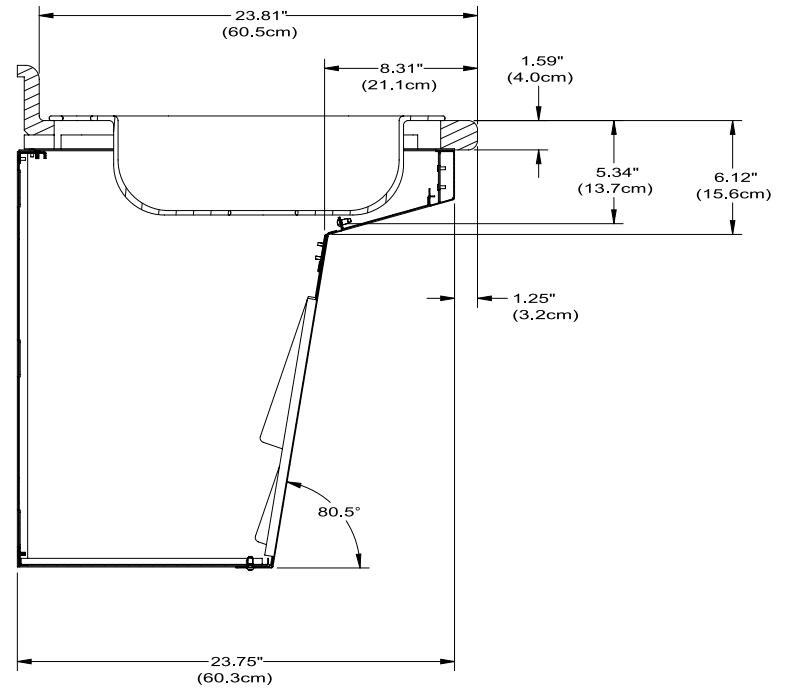
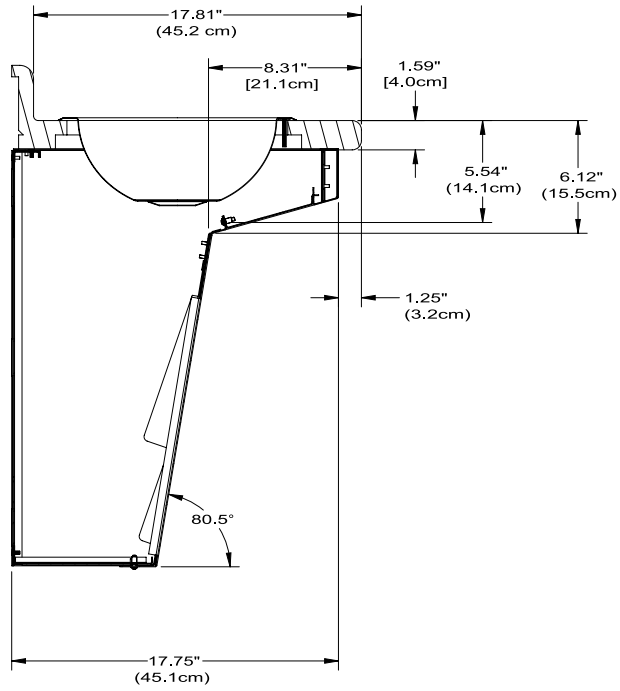


**Step 1:**  
Remove sink base covers.

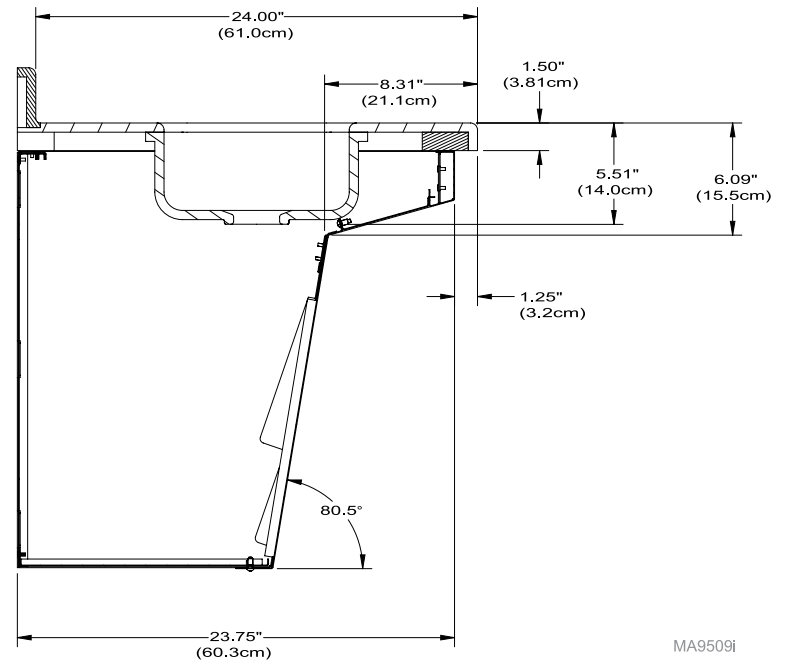
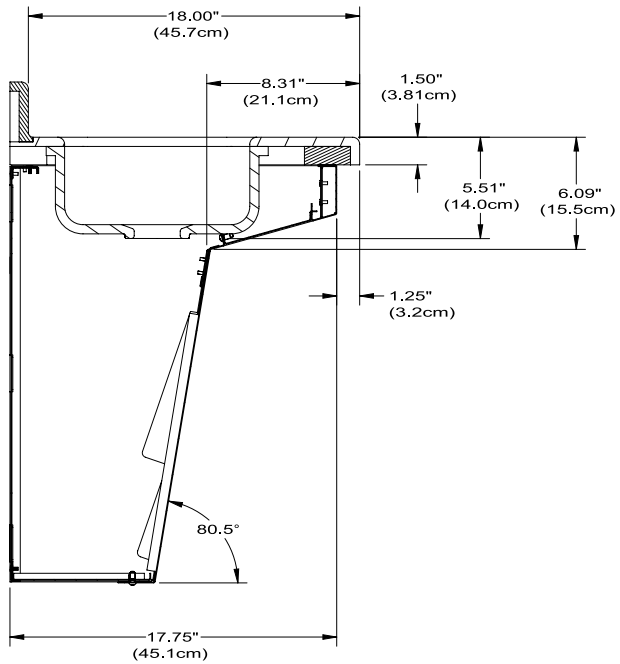
MA9372I

# Wall Hanging Sink Clearance Information (ADA)

## Laminate



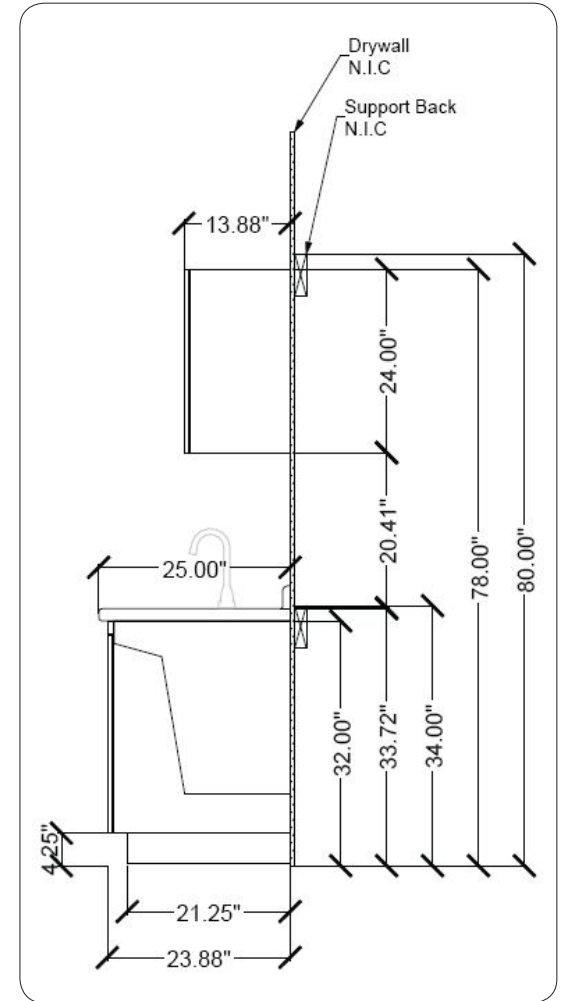
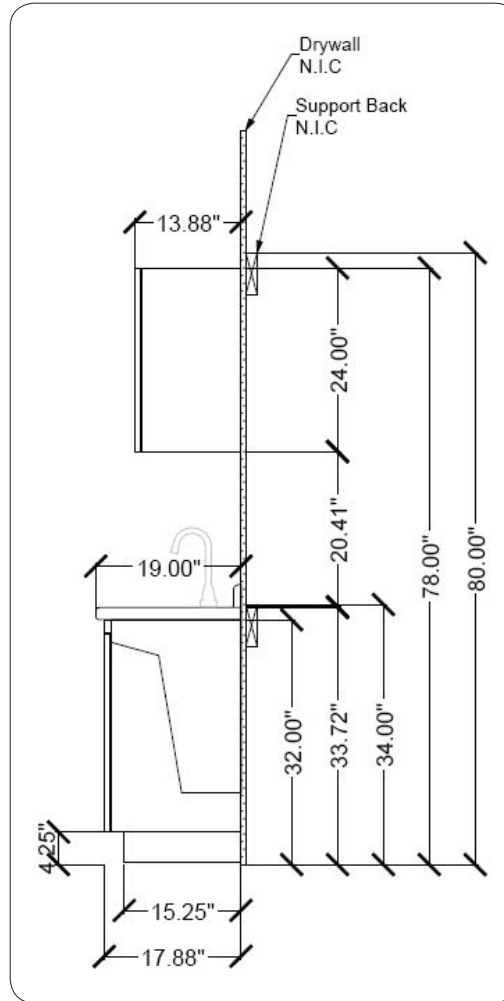
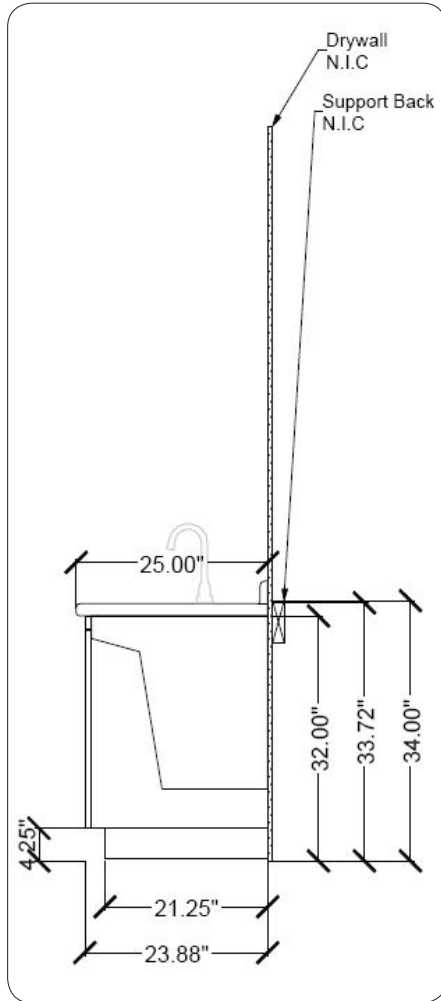
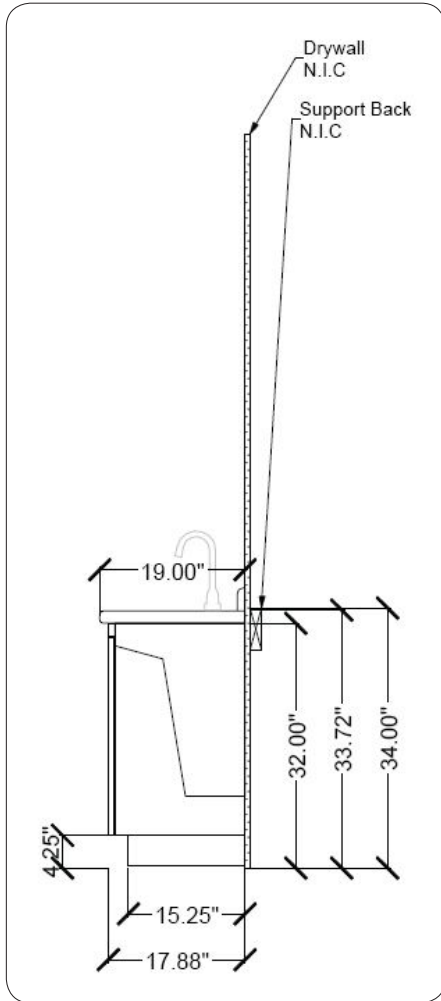
## Corian



MA9509I



## Wall Hanging Sink Installation- Recommended Heights

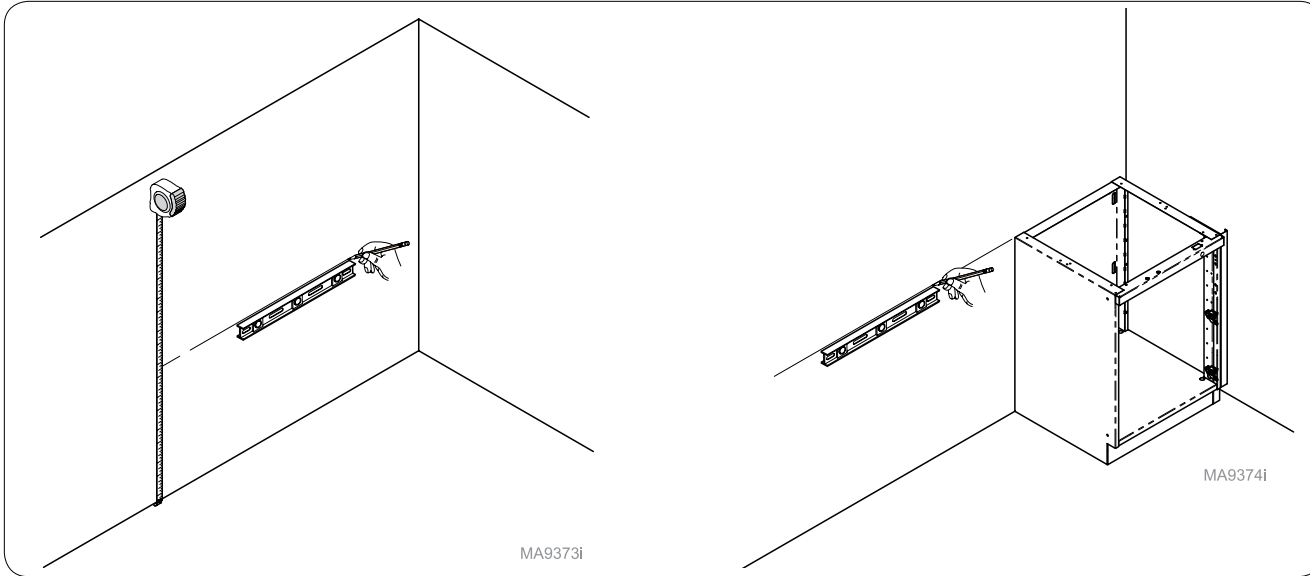


### Step 2:

Use Synthesis™ Casework Collection Drawings to determine desired height & position of ADA Sink Unit(s). **NOTE:** View full SAMPLE version of Synthesis™ Casework Collection Drawing on page 7.

**A Synthesis™ Casework Collection Drawing (Room Layout) should be provided for each install. If Installer does not receive drawings please contact Midmark at 1-800-MIDMARK (643-6275)**

## Wall Hanging Sink Installation (ADA)

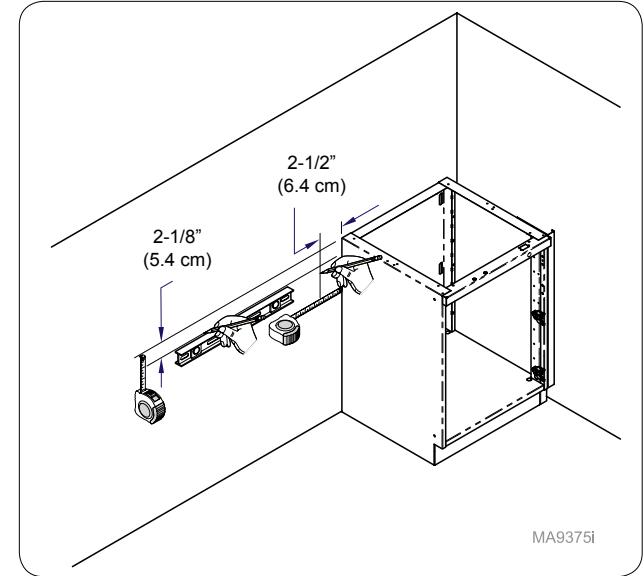


### Step 3: w/ Stand-alone Unit

Measure up to mark desired height of sink cabinet top. Extend line using level.

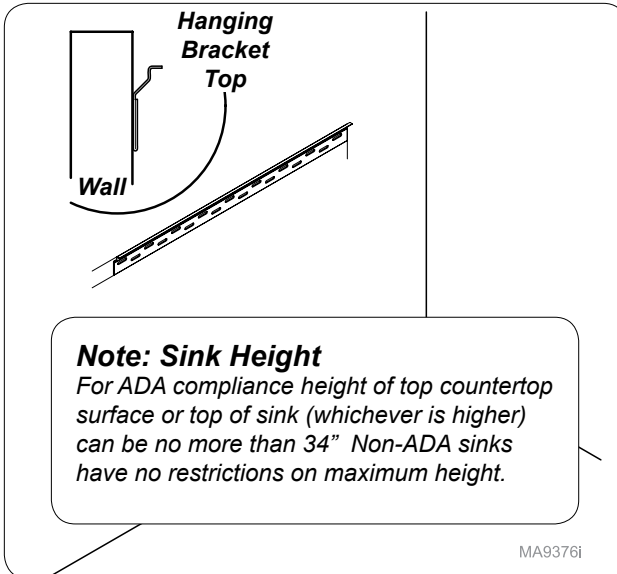
### Step 3: w/ Unit attached to Cabinet

Use level to mark a line from top of connecting cabinet.



### Step 4:

Measure 2-1/8" (5.4 cm) lower than desired height of sink top and mark for bottom of hanging bracket. Measure 2 1/2" (6.4 cm) from connecting cabinet and mark for start of bracket (if applicable).



### Step 5:

Mount hanging bracket to wall using hardware (not supplied).

### Attention:

Local, city, or national building codes should be followed before using midmark suggested fasteners for installation.

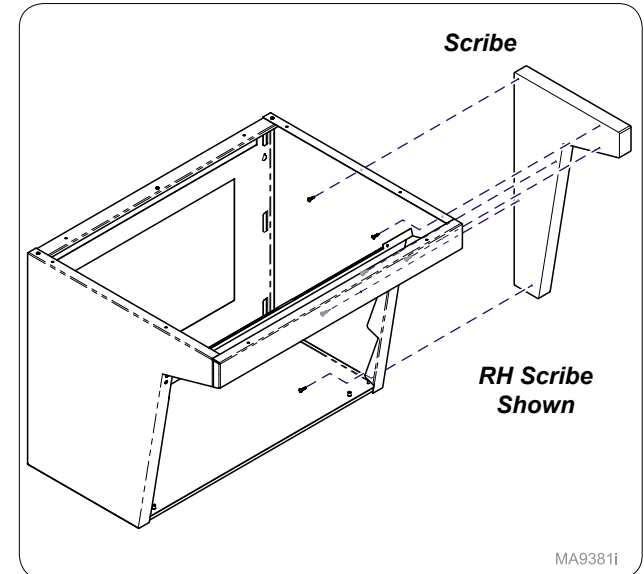
### Note: Suggested Fasteners

- Stud walls (standard): #10 x 2 wood screws (coarse threaded).
- Steel studded walls: sheet metal #10 fine screws.
- Hollow type or masonry walls: #10 machine screw expansion anchors of adequate length. A 3/16" short molly or other type of fastener may be used if pre-drilled.
- Rough solid concrete or brick wall: #10 round head wood screw or a specialized masonry fastener.



### Caution

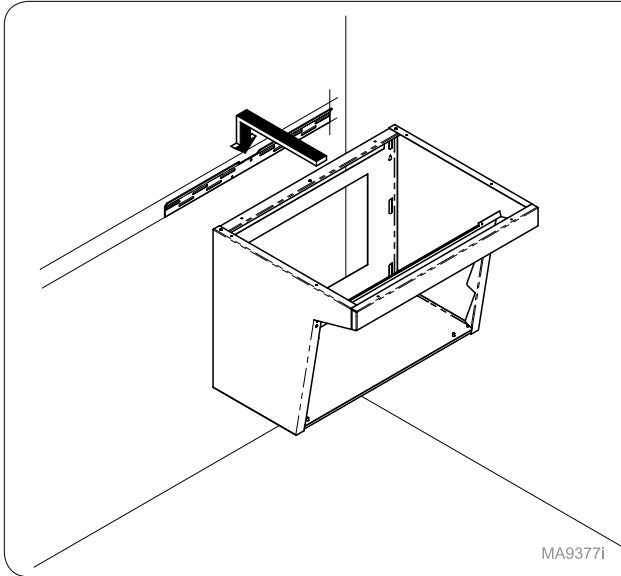
Installer must secure bracket to at least one stud and use wall anchors on any screws that cannot be secured to studs.



### Step 6: RH or LH Scribe - Optional

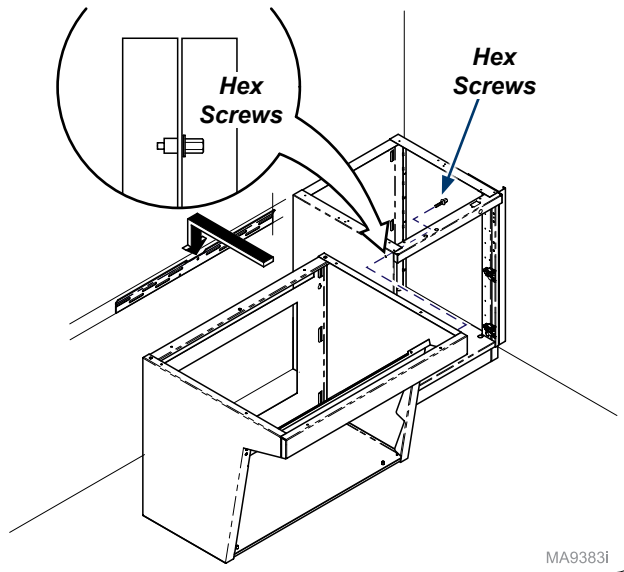
Attach scribe to sink unit using screws (6) provided.

## ADA Sink Installation



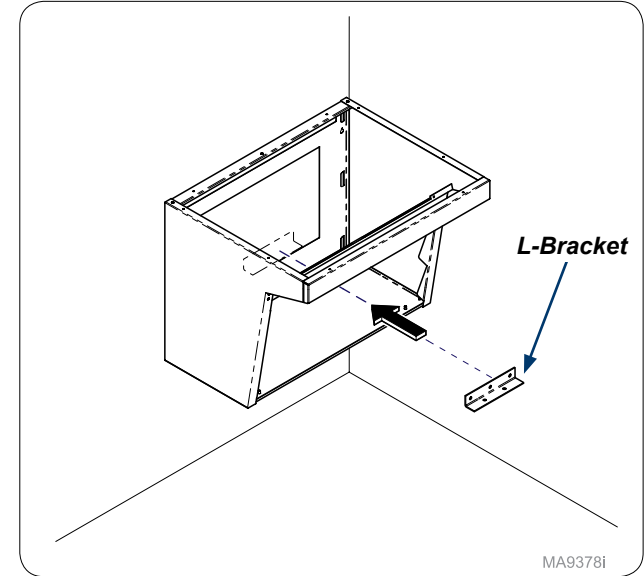
MA9377i

**Step 7:**  
Place sink base onto hanging bracket.



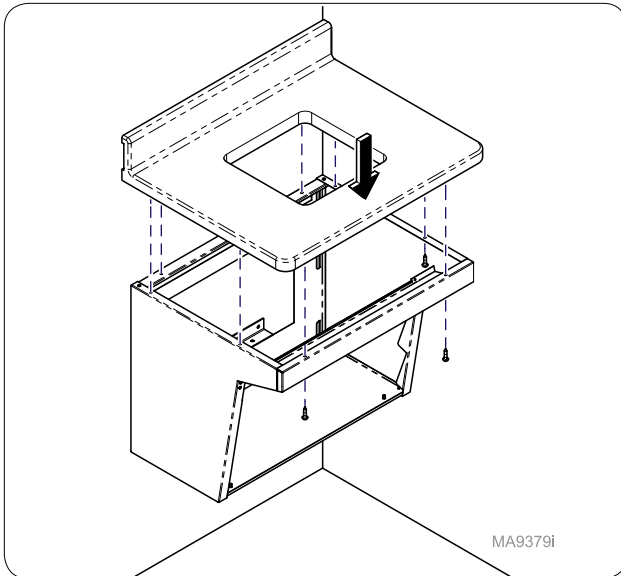
MA9383i

**Step 7: w/ Unit attached to Cabinet**  
Place unit onto hanging bracket. Secure sink base to connecting cabinet using hex screws provided.



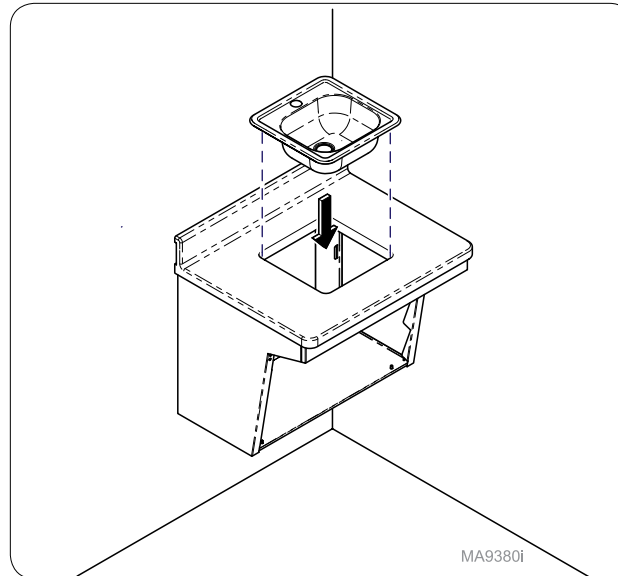
MA9378i

**Step 8:** Install L bracket above bottom of plumbing cut-out with hardware (not supplied). **Note: Refer to Caution and Note from step 5**



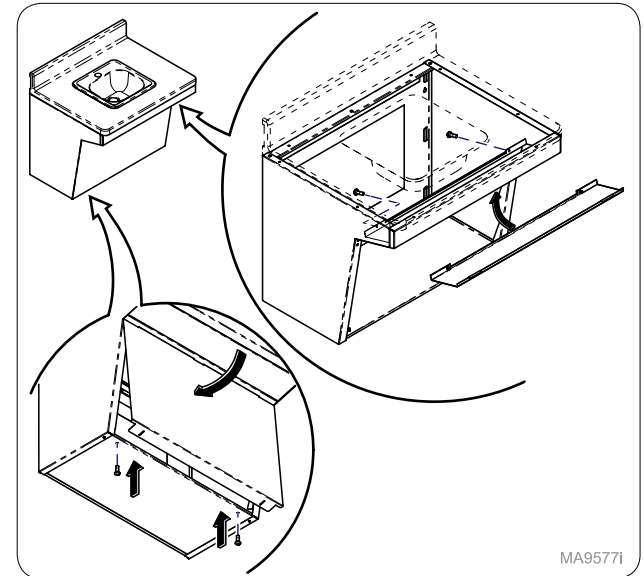
MA9379i

**Step 9: w/ Stand-alone Unit**  
Secure countertop to sink using (#10 x 3/4") wood screws along front and sides of cabinet. **Note: For countertop attached to cabinet refer to Base Unit Install.**



MA9380i

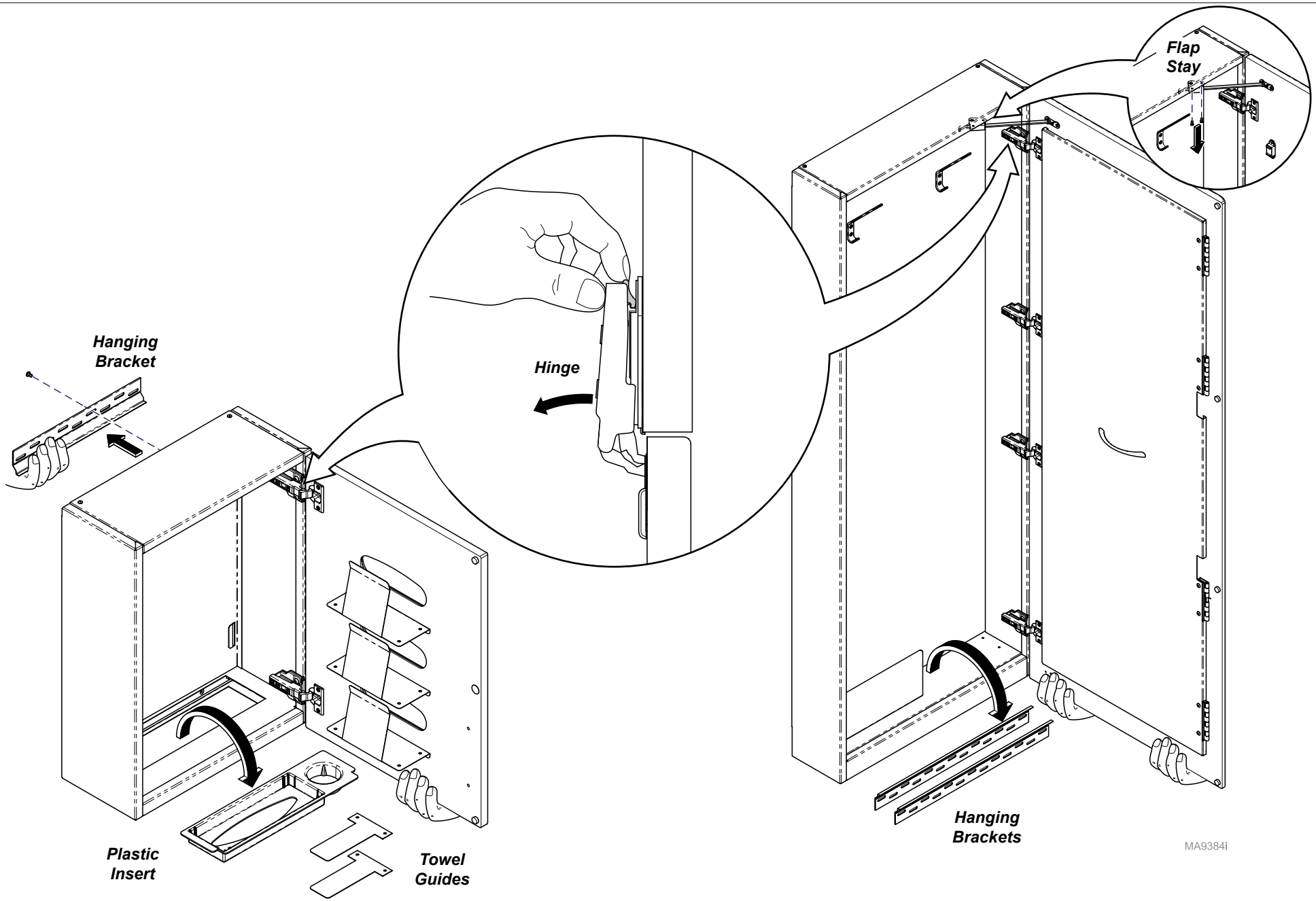
**Step 10:**  
Install sink using manufacturer's instructions.



MA9577i

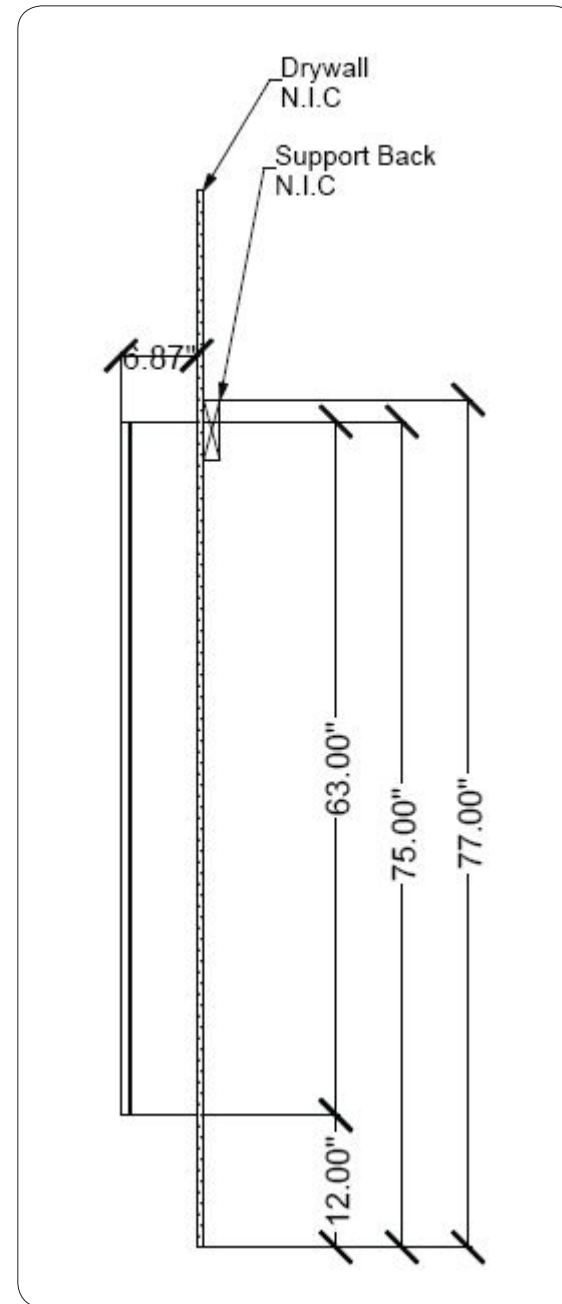
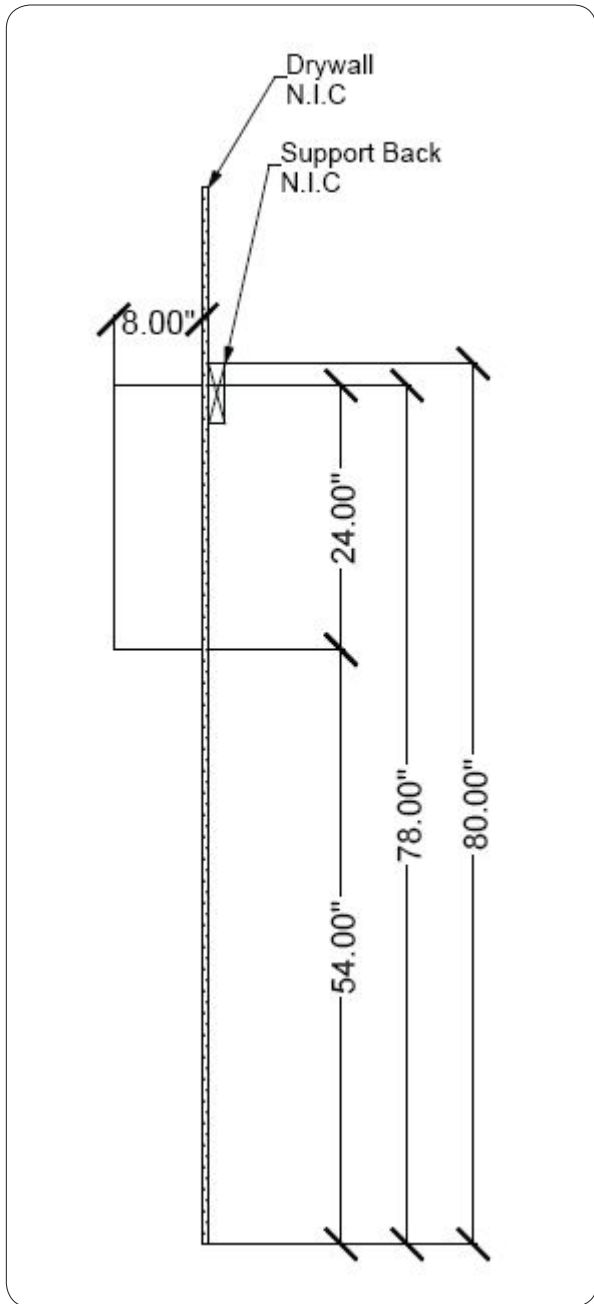
**Step 11:**  
Reinstall inside front cover under lip. (x2 screws)  
Reinstall main front cover. (x2 screws)

# Towel/Cup/Glove Dispenser and Dressing Nook Installation



**Step 1:**  
Remove screws (2) from door stay and door from nook also remove hanging brackets. Remove door, hanging bracket and plastic insert from dispenser (if applicable) for easier installation.

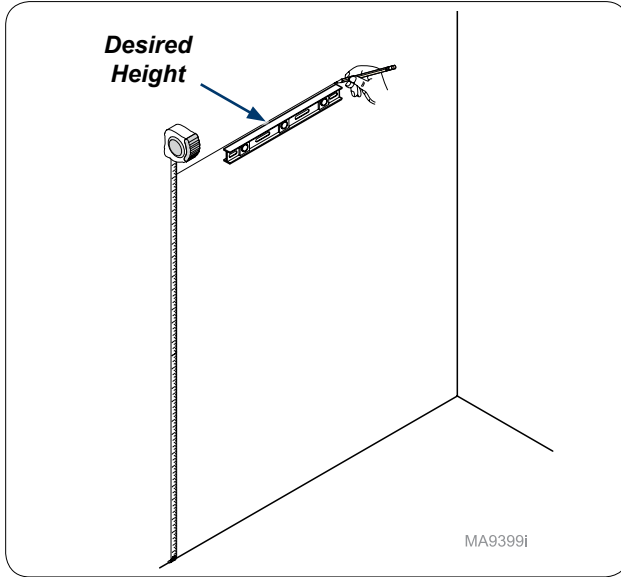
**Towel/Cup/Glove Dispenser and Dressing Nook Installation- Recommended Heights**



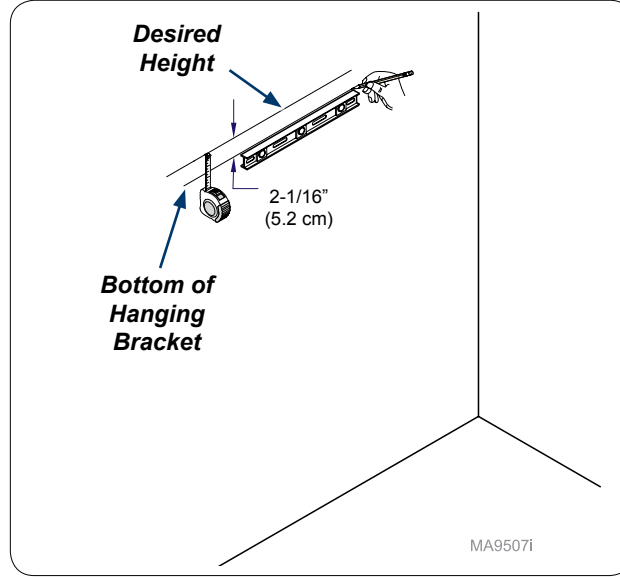
**Step 2:**  
 Use Synthesis™ Casework Collection Drawings to determine desired height & position of Dispenser Unit(s) or Dressing Nook(s). **NOTE:** View full SAMPLE version of Synthesis™ Casework Collection Drawing on page 7.

**A Synthesis™ Casework Collection Drawing (Room Layout) should be provided for each install. If Installer does not receive drawings please contact Midmark at 1-800-MIDMARK (643-6275)**

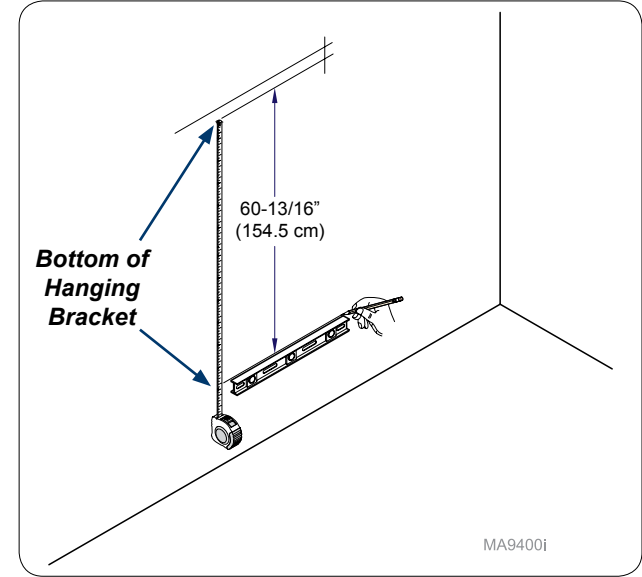
## Towel/Cup/Glove Dispenser and Dressing Nook Installation



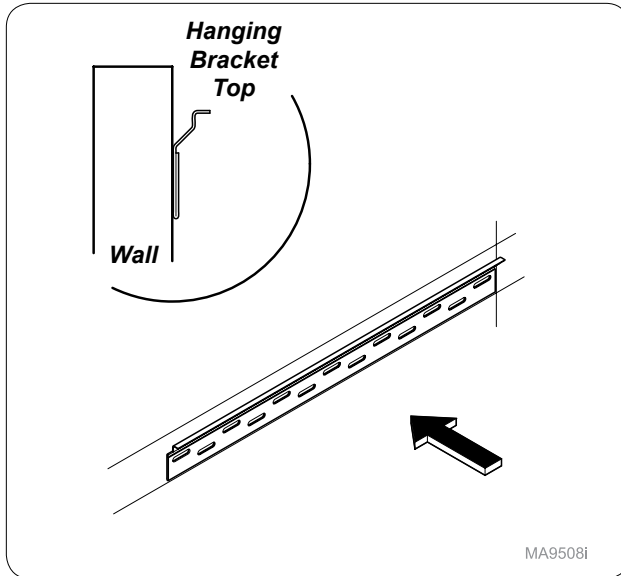
**Step 3:**  
Choose location of unit and measure up from floor to mark desired top height using level to extend line. **Note: Refer to previous page for recommended heights.**



**Step 4:**  
Measure 2-1/16" (5.2 cm) down from desired height of unit and mark for bottom of hanging bracket using level to extend line.



**Step 5: Dressing Nook ONLY**  
Measure down and mark 60-13/16" (154.5 cm) from the bottom of the top hanging bracket. Use level to extend line for lower hanging bracket. **Note: Position lower bracket in same position (left to right) as upper bracket.**



**Step 6:**  
Mount hanging bracket to wall using hardware (not supplied for dispenser.) Mounting hanging bracket(s) to wall for nook use wall anchors and drywall screws provided.

### Attention:

Local, city, or national building codes should be followed before using midmark suggested fasteners for installation.

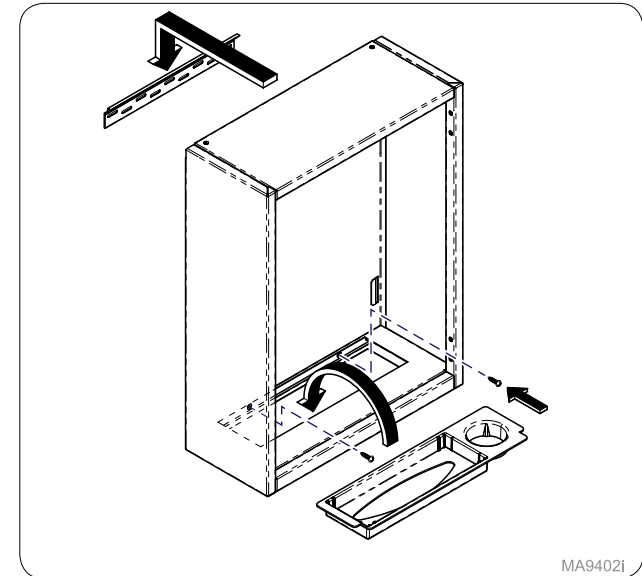
### Note: Suggested Fasteners

- Stud walls (standard): #10 x 2 wood screws (coarse threaded).
- Steel studded walls: sheet metal #10 fine screws.
- Hollow type or masonry walls: #10 machine screw expansion anchors of adequate length. A 3/16" short molly or other type of fastener may be used if pre-drilled.
- Rough solid concrete or brick wall: #10 round head wood screw or a specialized masonry fastener.



### Caution

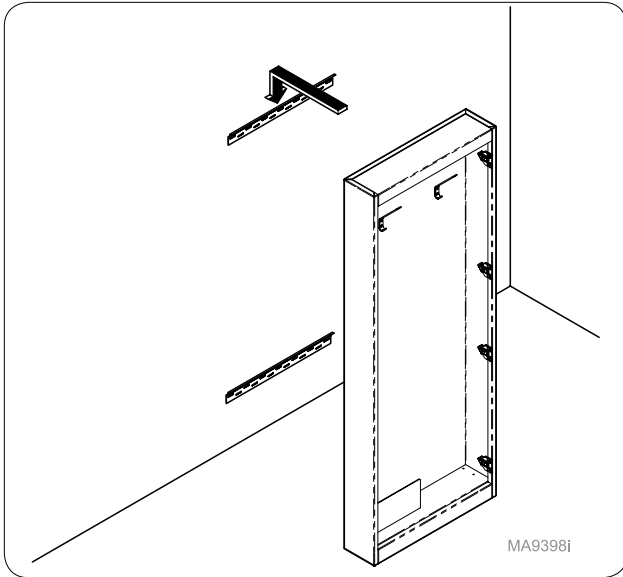
Installer must secure bracket to at least one stud and use wall anchors on any screws that cannot be secured to studs.



### Step 7: Dispenser

Place dispenser onto hanging bracket. Secure to wall using hardware (not supplied) (x2 screws) then reinstall plastic insert.

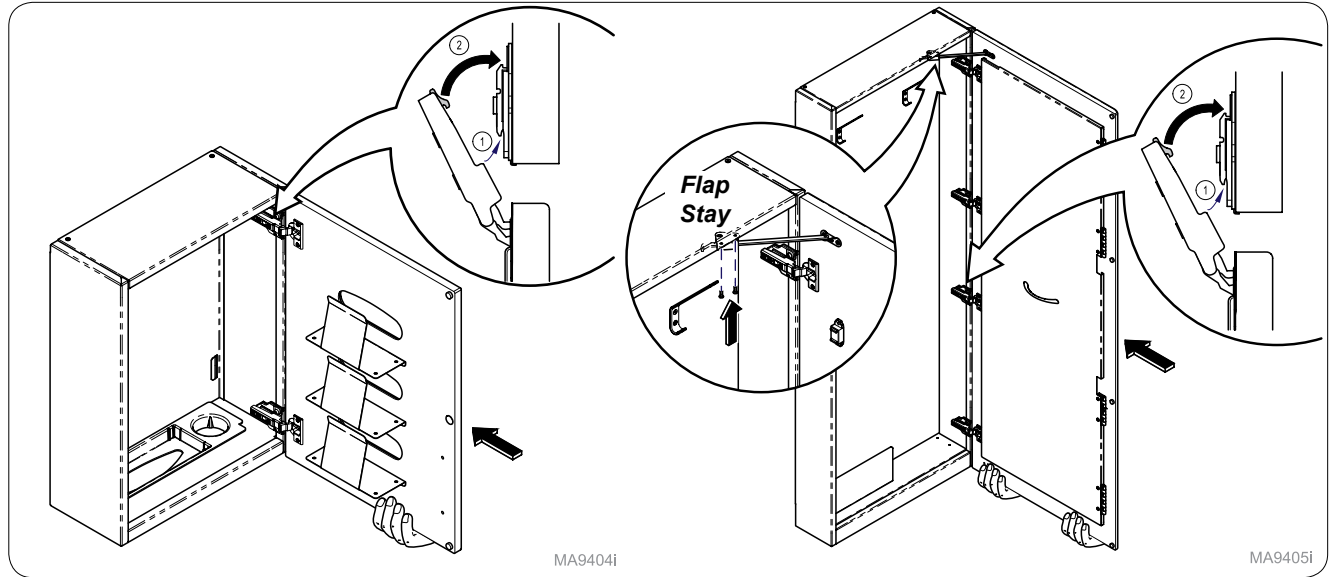
## Towel/Cup/Glove Dispenser and Dressing Nook Installation



MA9398i

### Step 7: Dressing Nook

Place dressing nook onto hanging brackets.



MA9404i

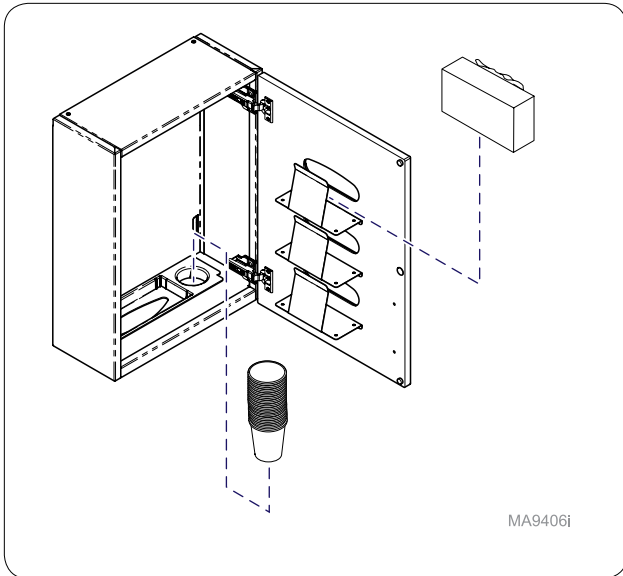
### Step 8: Dispenser

Reinstall door onto unit. (x2 hinges)

MA9405i

### Step 8: Dressing Nook

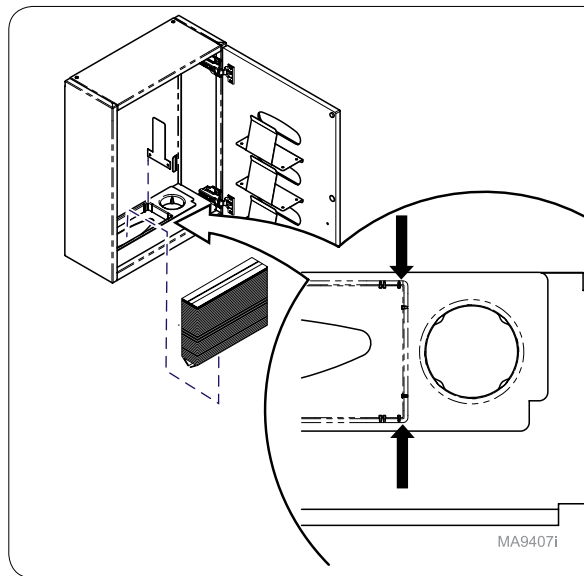
Reinstall door onto unit. (x4 hinges) and attach flap stay with screws (2) to cabinet.



MA9406i

### Step 9: Install Cups and Glove Boxes.

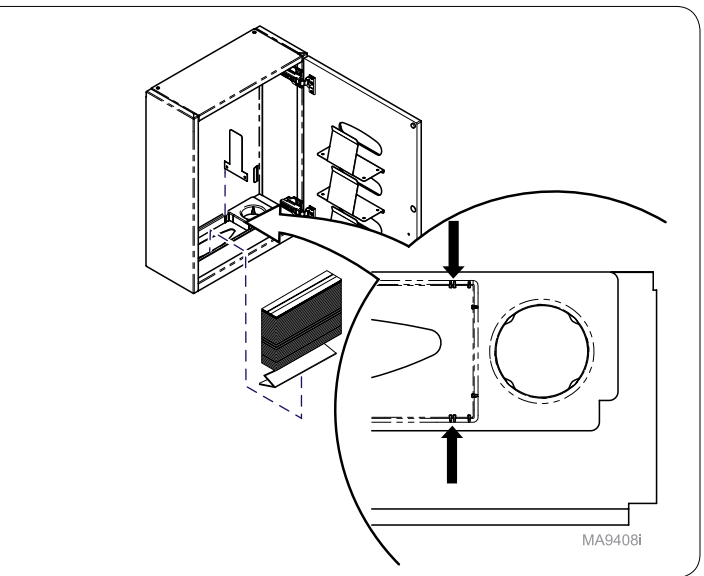
Place standard 5 oz. cups into dispenser hole. Remove lid from glove box and slide box into slot located on door.



MA9407i

### Step 10: Install "C" Style Towels.

Place "C" style towels face down. Place towel guide in outside slots for these towels.

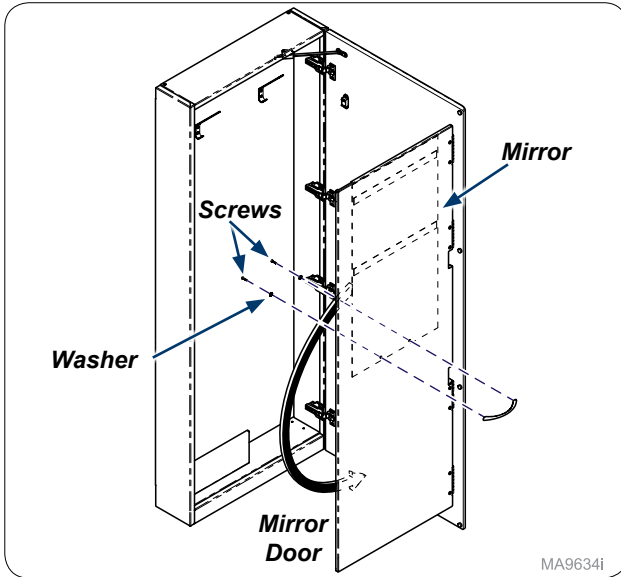


MA9408i

### Step 10: Install "Z" Style Towels.

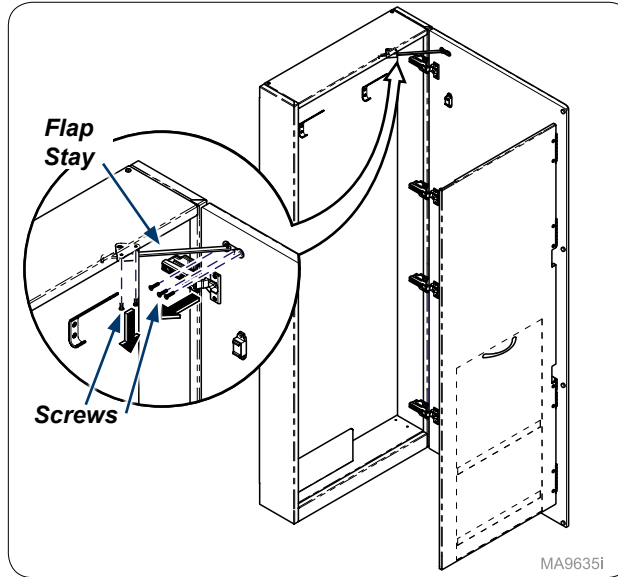
Place "Z" style towels face down. Place towel guide in inside slots for these towels.

## Dressing Nook Door Reversal



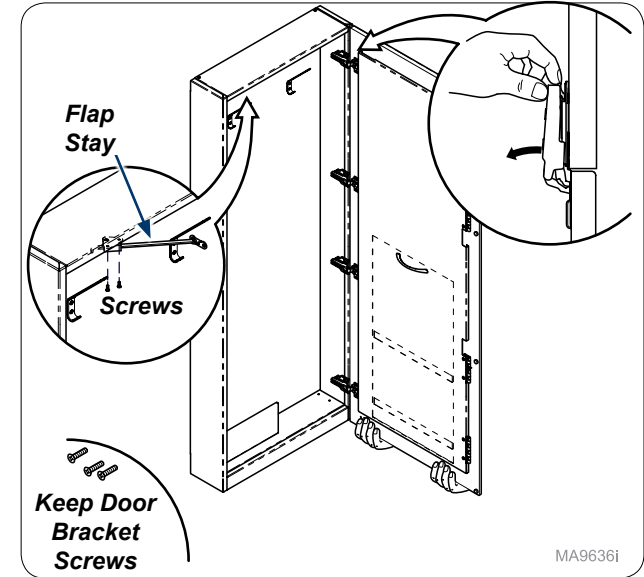
### Step 1: Rotate Mirror

Remove screws (2) and washers (2) from mirror door-handle. Rotate mirror 180° and secure with washers and screws.



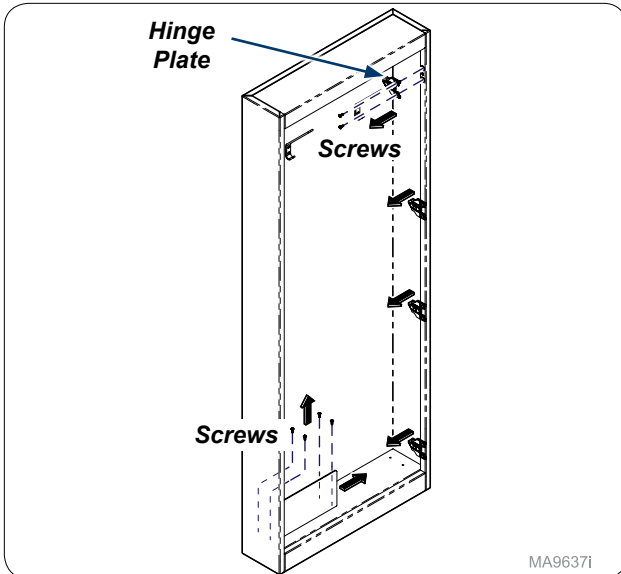
### Step 2: Remove Flap Stay

Remove screws (2) from inside cabinet from flap stay. Remove screws (3) from bracket on door.



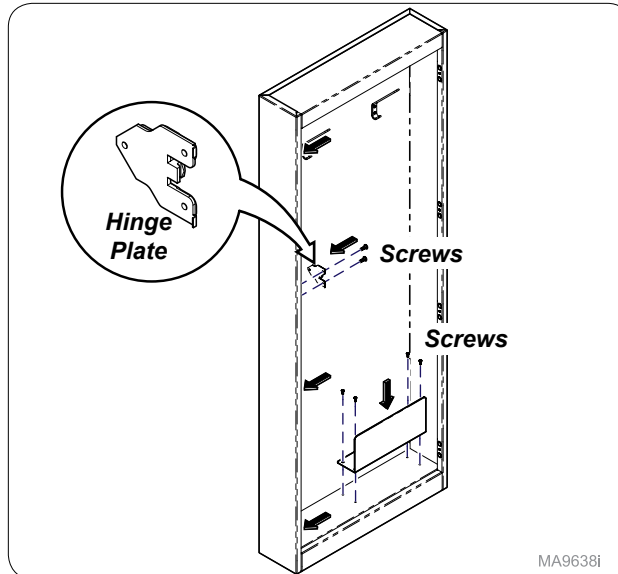
### Step 3: Install Flap Stay and Remove Door.

Install flap stay on opposite side of cabinet as shown. Remove dressing nook door. (4 hinges)



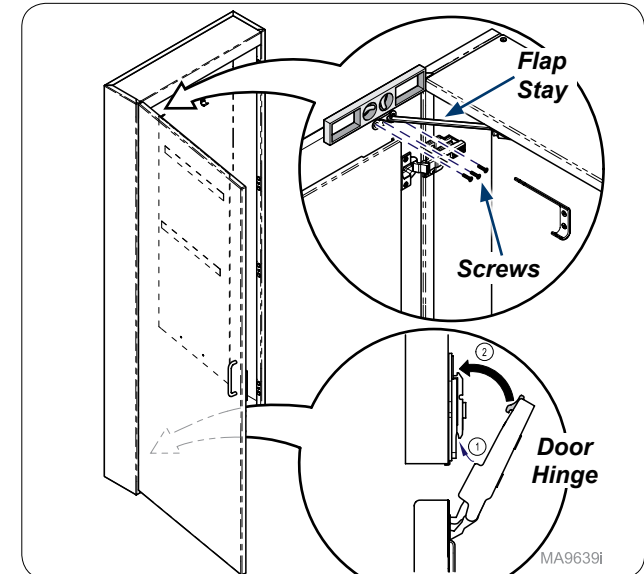
### Step 4: Remove Hinges and Shoe Holder

Remove screws (4) from shoe holder. Remove screws (8) and hinge plates (4) from inside cabinet.



### Step 5: Install Hinges and Shoe Holder

Mount shoe holder with screws (4) on opposite side of cabinet. Attach hinge plates (4) with screws(8).

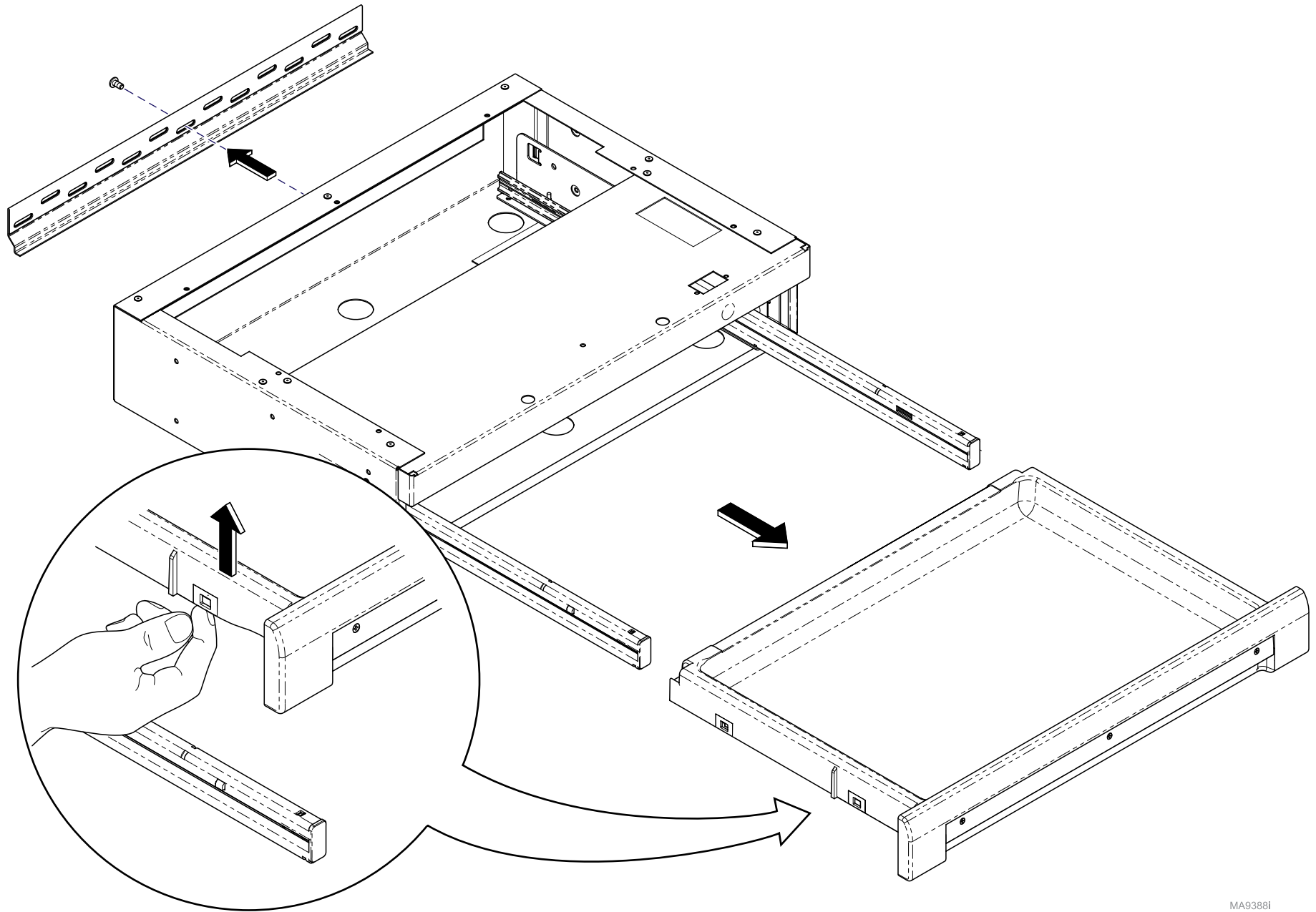


### Step 6: Install Door and Flap Stay.

Reinstall door onto cabinet (x4 hinges). To install flap stay, open door to full extension. Flap stay must be level before securing flap stay bracket to door with screws (3).



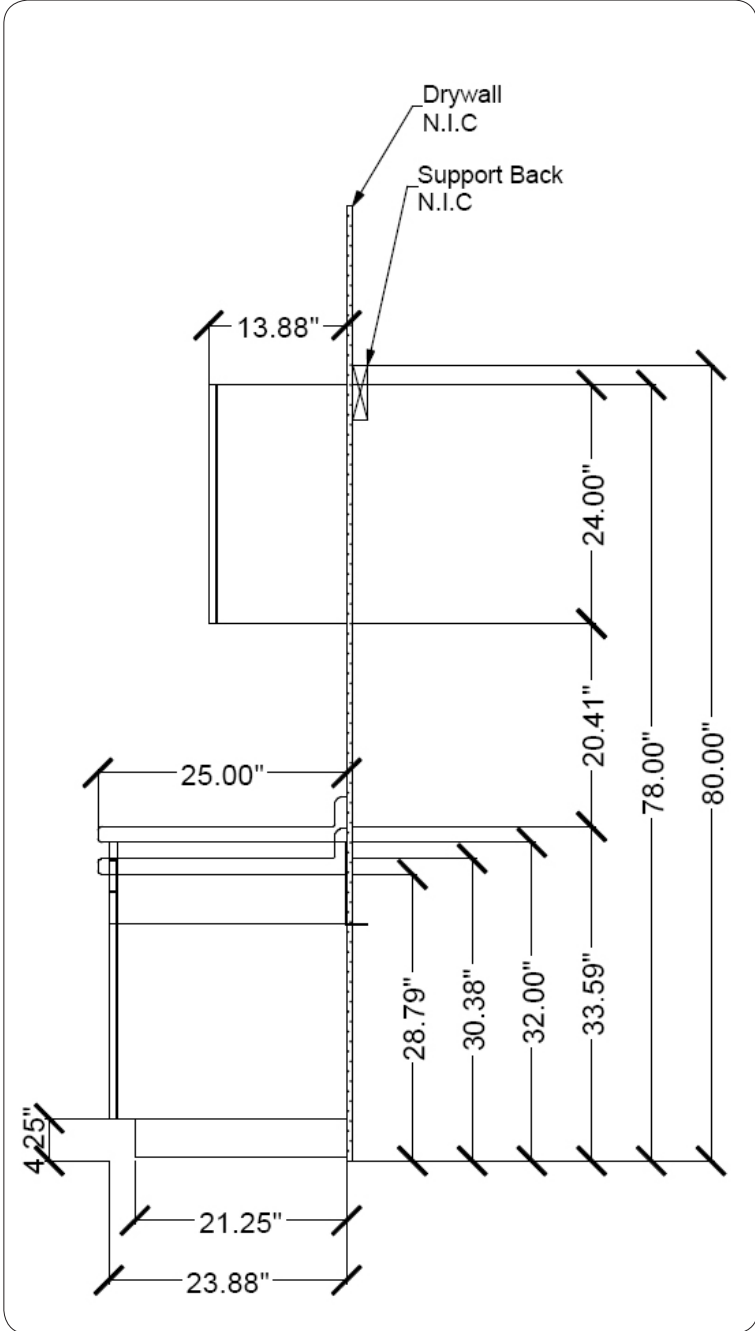
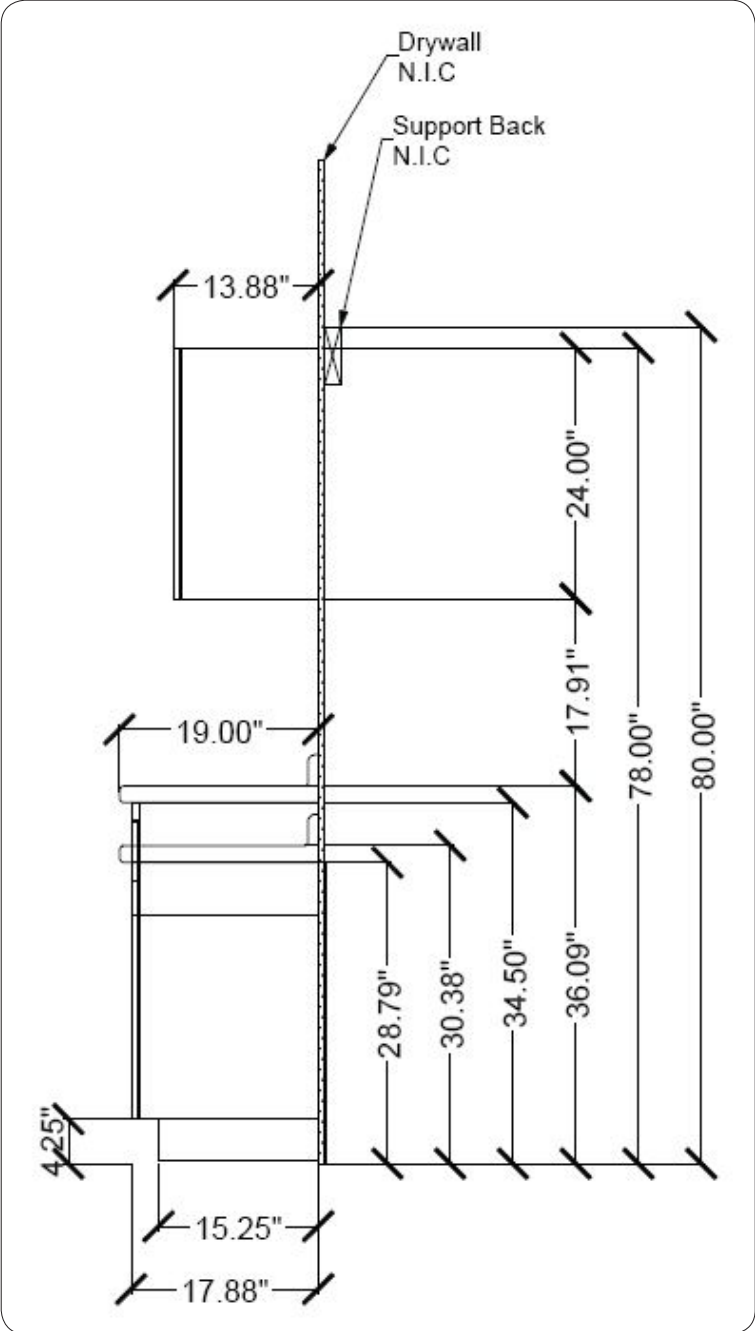
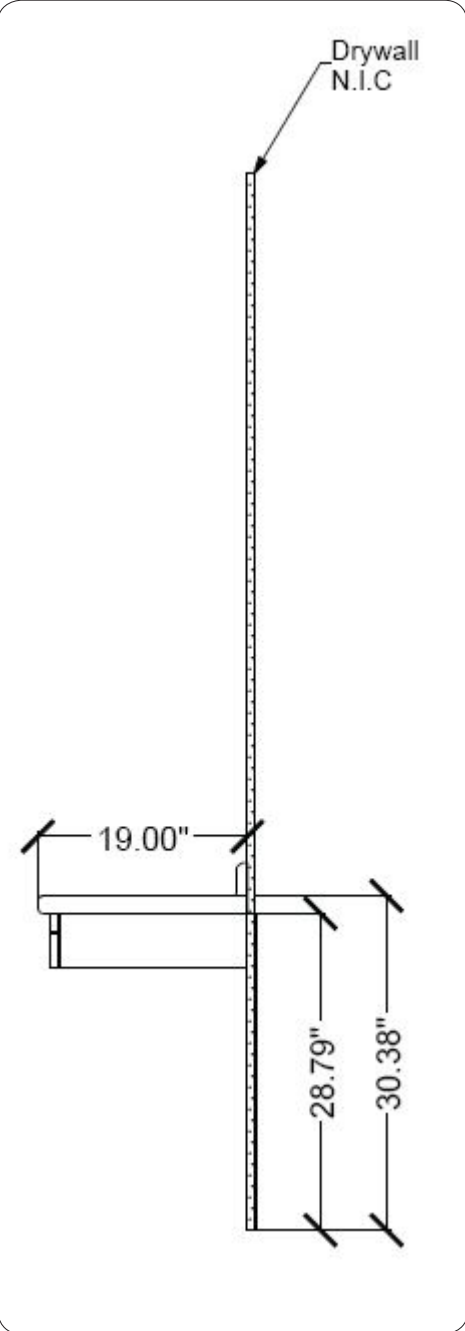
## Desk Unit Installation



**Step 1:**  
Remove drawer and hanging bracket from unit.

MA9388i

**Desk Unit Installation- Recommended Heights**

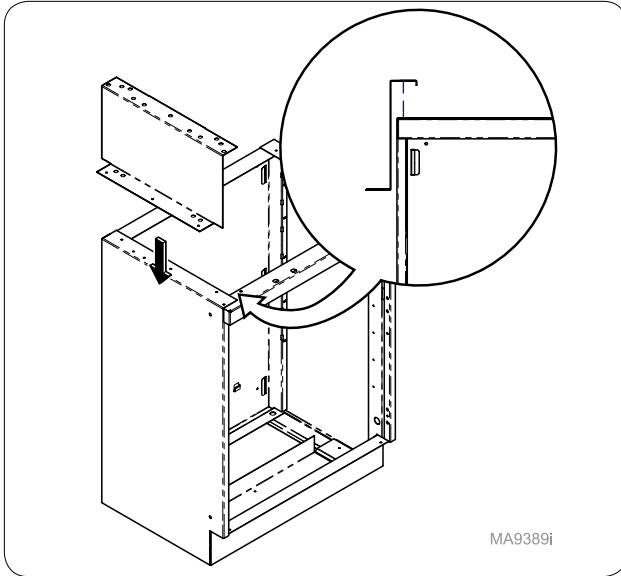


**Step 2:**  
 Use Synthesis™ Casework Collection Drawings to determine desired height & position of Desk Unit(s).  
**NOTE:** View full SAMPLE version of Synthesis™ Casework Collection Drawing on page 7.

**A Synthesis™ Casework Collection Drawing (Room Layout) should be provided for each install. If Installer does not receive drawings please contact Midmark at 1-800-MIDMARK (643-6275)**

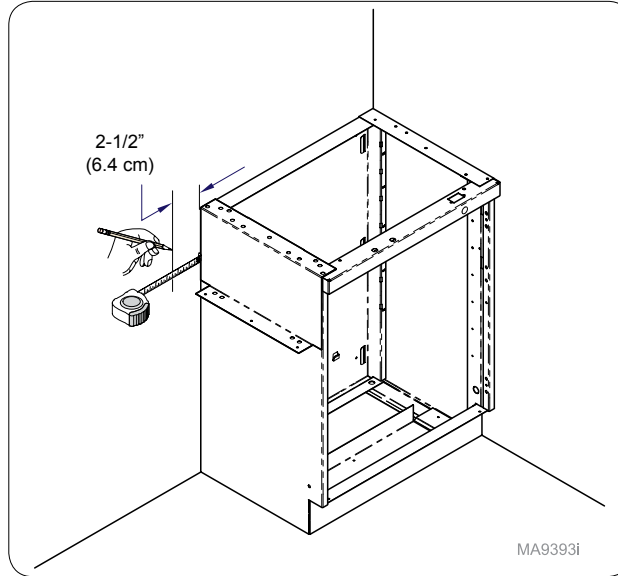
TP200 Rev. A

## Desk Unit Installation



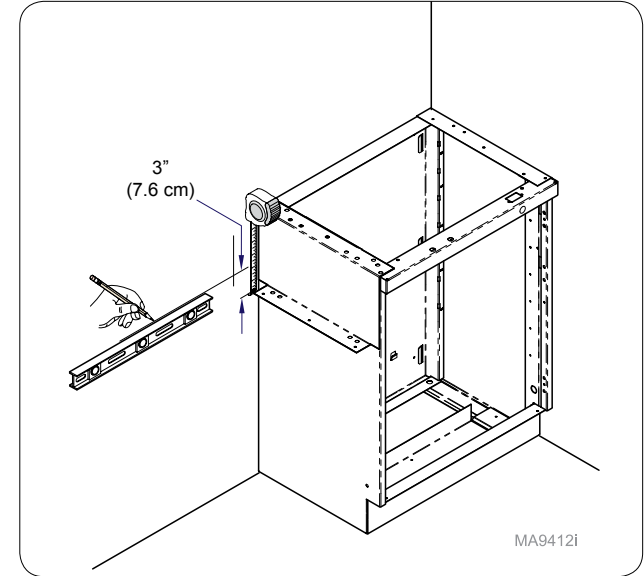
MA9389i

**Step 3:**  
Hook Z-bracket on top side of connected cabinet.



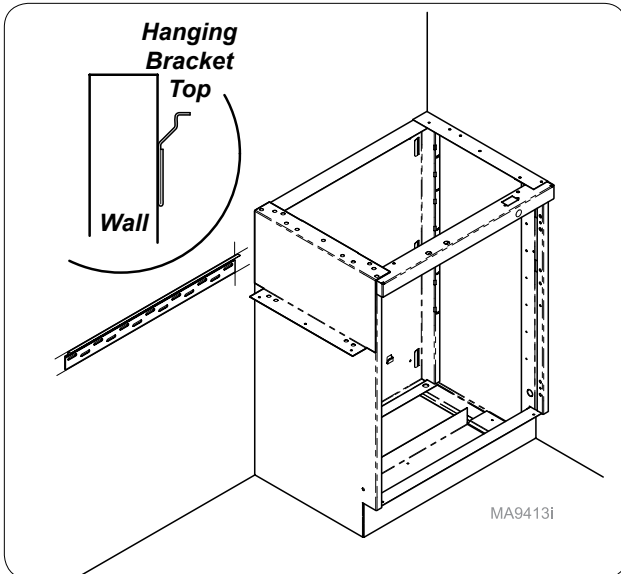
MA9393i

**Step 4:**  
Measure 2-1/2" (6.4 cm) away from Z bracket and mark for start of hanging bracket.



MA9412i

**Step 5:**  
Measure up 3" (7.6 cm) from bottom of Z-bracket and mark for bottom of hanging bracket.



MA9413i

**Step 6:**  
Mount hanging bracket to wall using hardware (not supplied).

### Attention:

Local, city, or national building codes should be followed before using midmark suggested fasteners for installation.

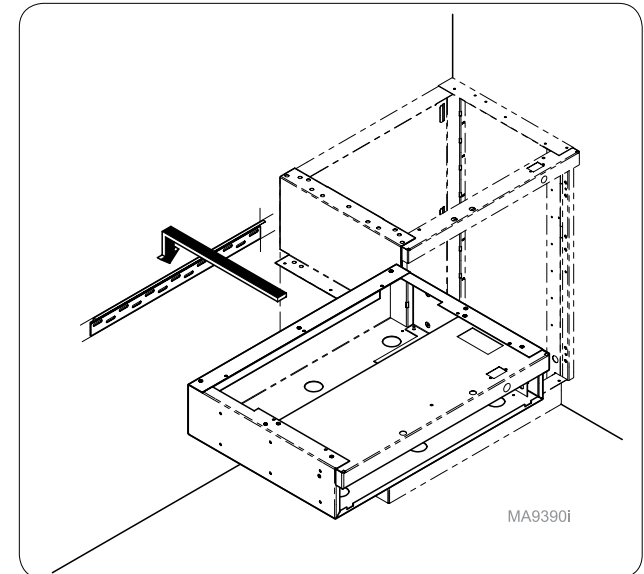
### Note: Suggested Fasteners

- Stud walls (standard): #10 x 2 wood screws (coarse threaded).
- Steel studded walls: sheet metal #10 fine screws.
- Hollow type or masonry walls: #10 machine screw expansion anchors of adequate length. A 3/16" short molly or other type of fastener may be used if pre-drilled.
- Rough solid concrete or brick wall: #10 round head wood screw or a specialized masonry fastener.



### Caution

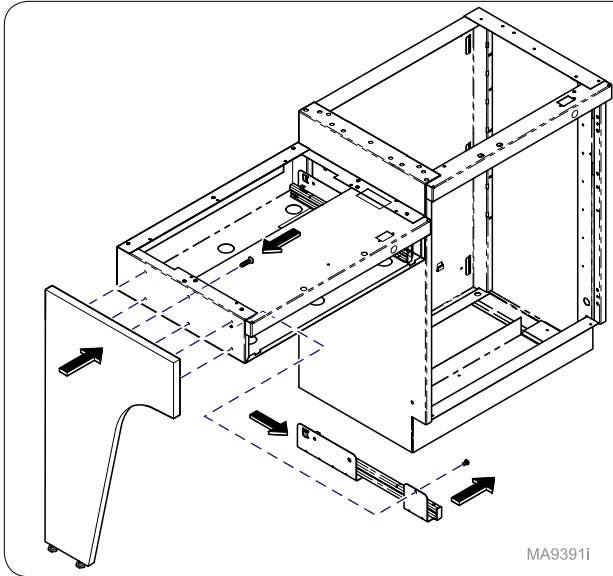
Installer must secure bracket to at least one stud and use wall anchors on any screws that cannot be secured to studs.



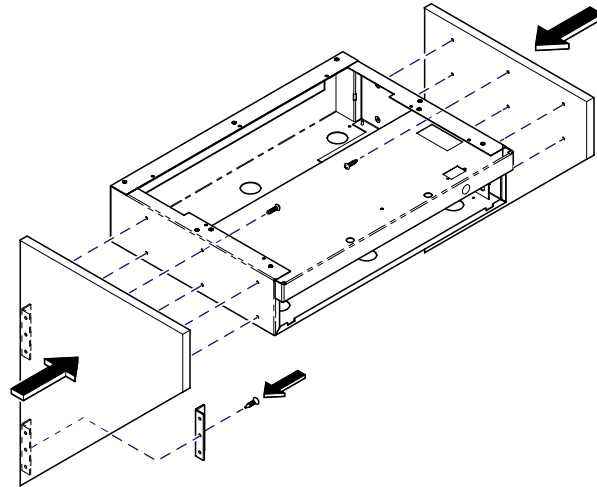
MA9390i

**Step 7:**  
Place desk unit onto hanging bracket.

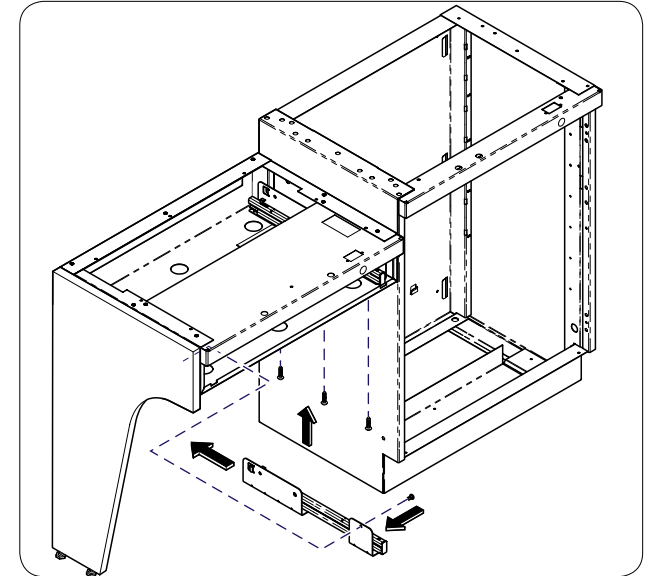
## Desk Unit Installation



MA9391i



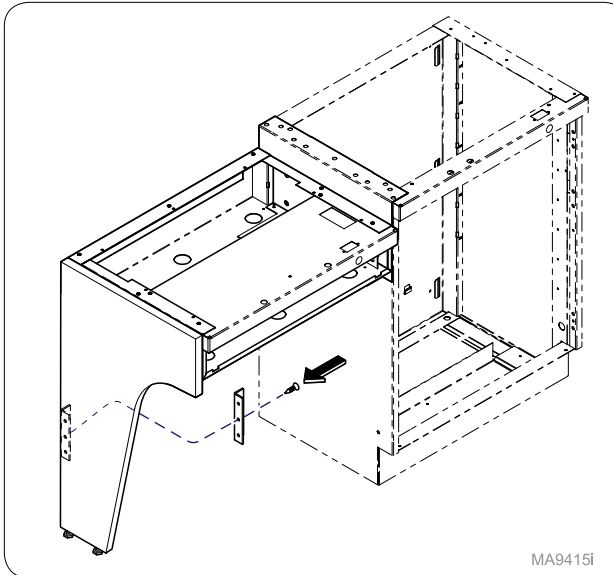
MA9392i



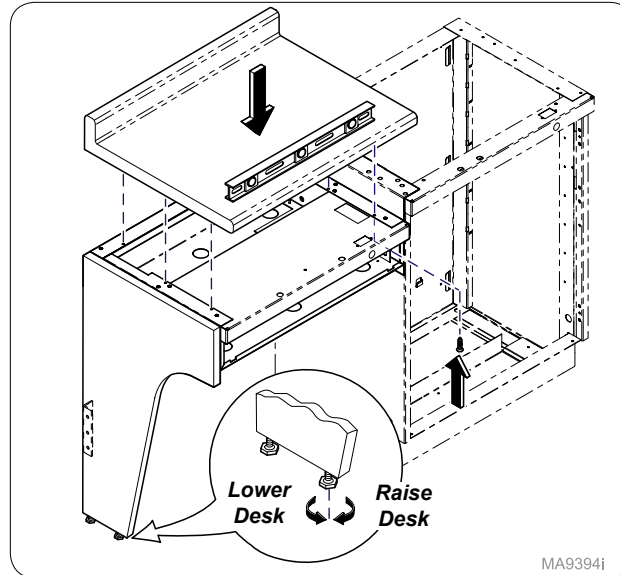
**Step 8:**  
**Note:** Remove slide(s) when attaching anything to side of desk. Attach leg onto desk unit using hardware provided. (x6 screws)

**Step 8: Stand-alone Unit**  
 Attach side panels on both sides using hardware provided. (x6 screws per side) **Note: Desk countertop must be 38" (96.5 cm) above floor to use this configurations.**

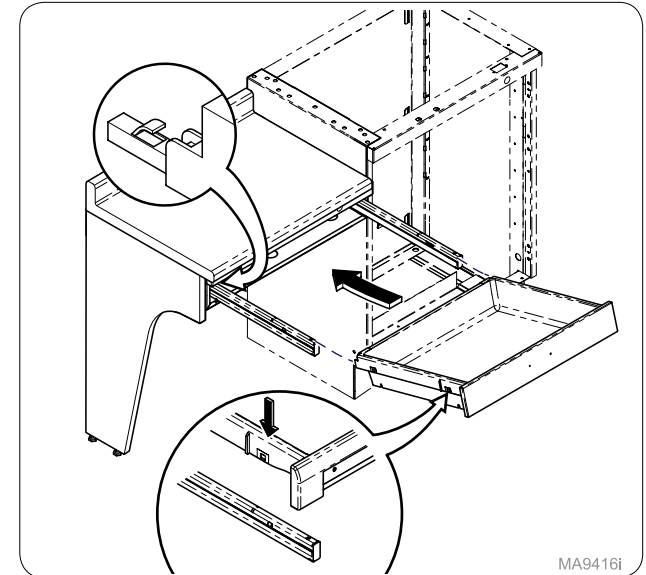
**Step 9 :**  
 Secure desk to Z bracket using hardware provided. (x3 screws) and reinstall slide(s).



MA9415i



MA9394i



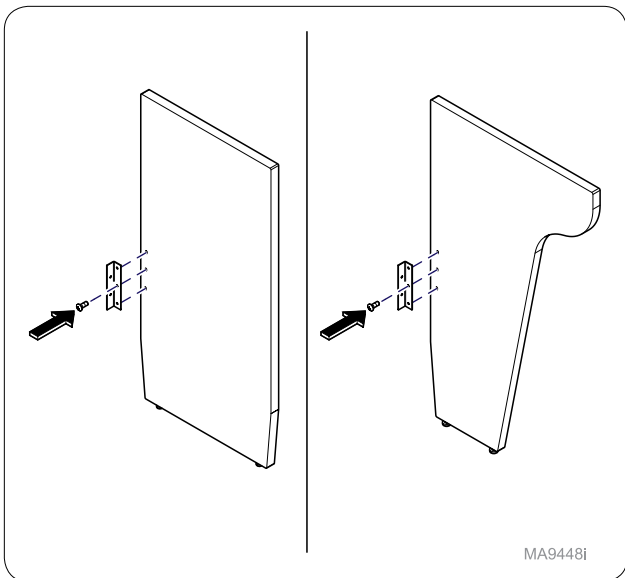
MA9416i

**Step 10:**  
 Attach leg bracket to leg using hardware provided. (x3 screws)

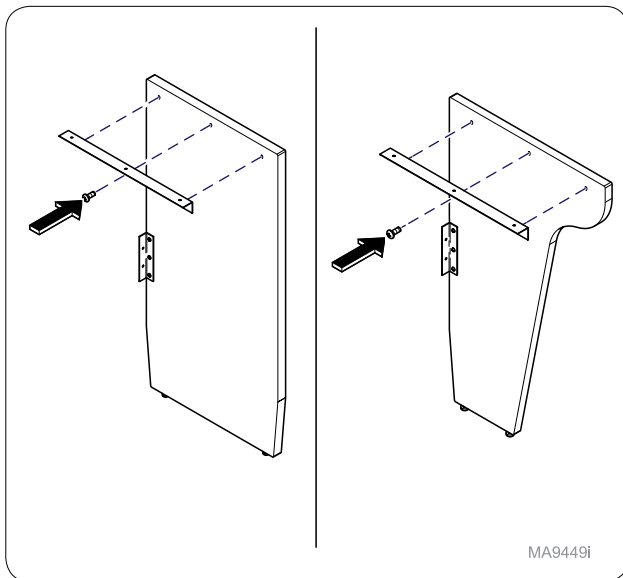
**Step 11:**  
 Adjust leveling screws as shown to level desk. Then secure leg bracket to wall (x2 screws). Install countertop using hardware provided.

**Step 12:**  
 Reinstall drawer into unit as shown.

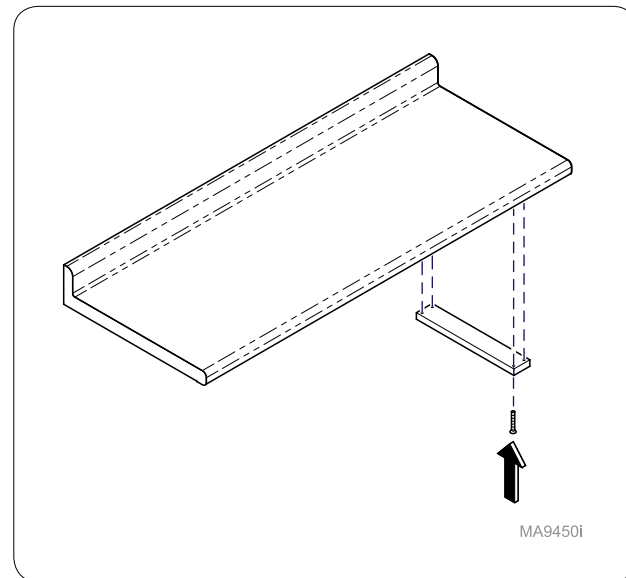
## Stand-Alone Base Unit Installation



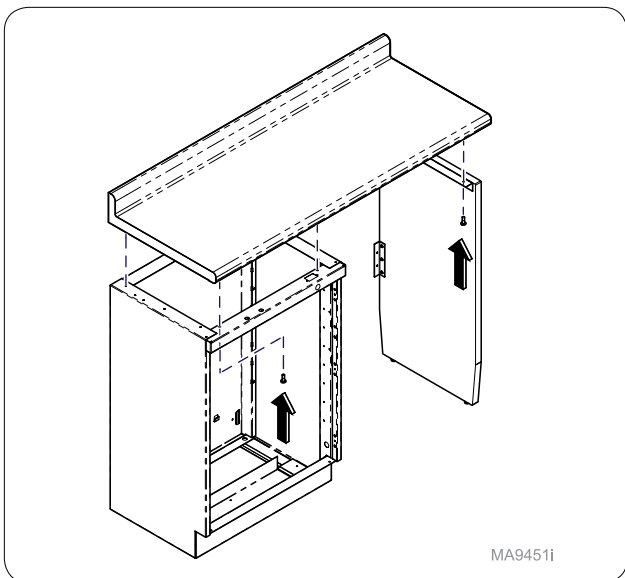
**Step 1:**  
Attach leg bracket onto leg using hardware supplied.



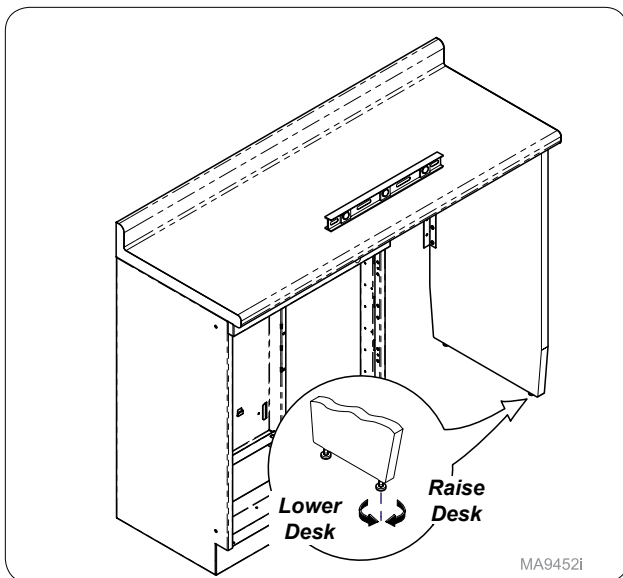
**Step 2:**  
Attach support bracket for countertop using hardware supplied.



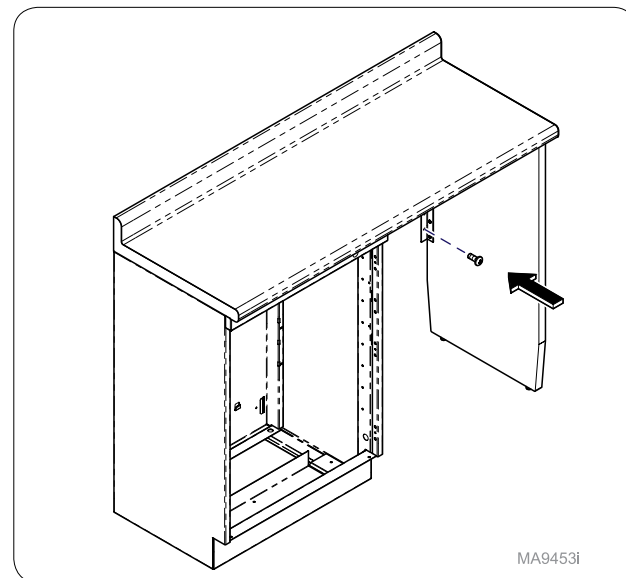
**Step 3 :**  
Attach countertop filler to underside of countertop. This filler will allow the countertop to be attached to the support bracket so a line accordingly.



**Step 4:**  
Secure countertop to base unit & leg using hardware provided.

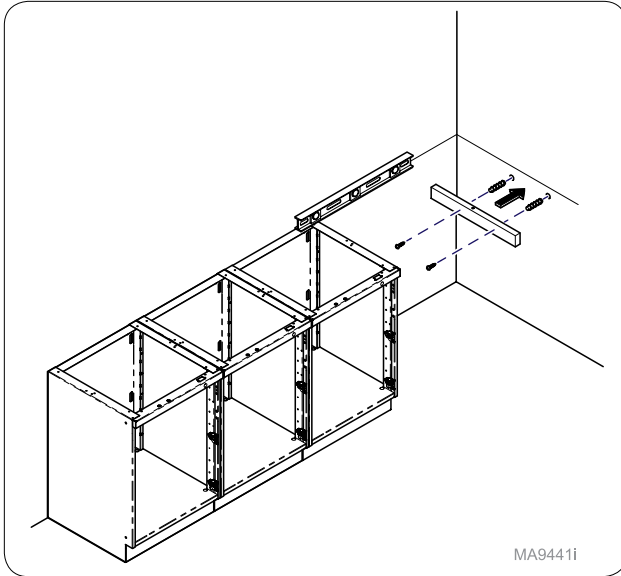


**Step 5:**  
Adjust leveling screws as shown to level unit.

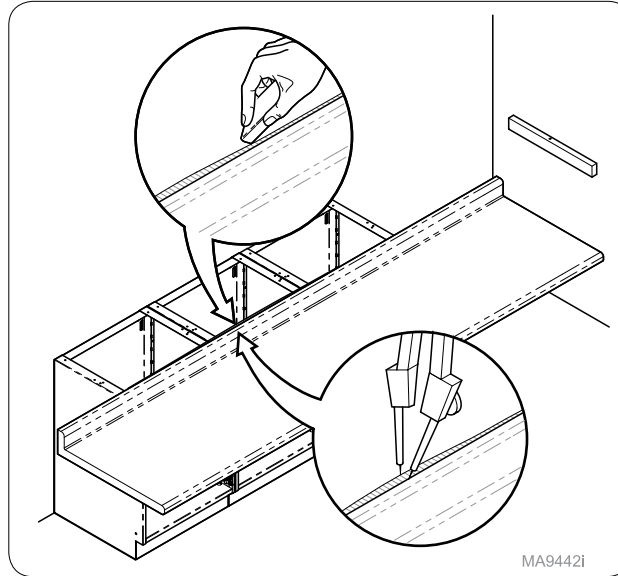


**Step 6:**  
Secure bracket to wall using hardware (not supplied).

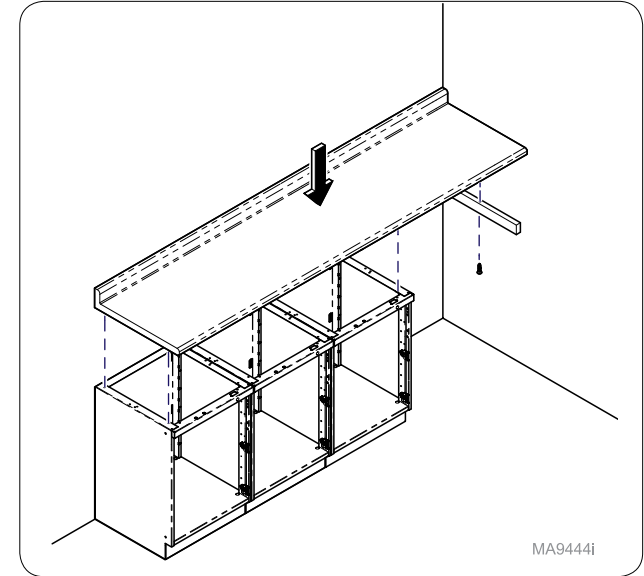
## Countertop Installation



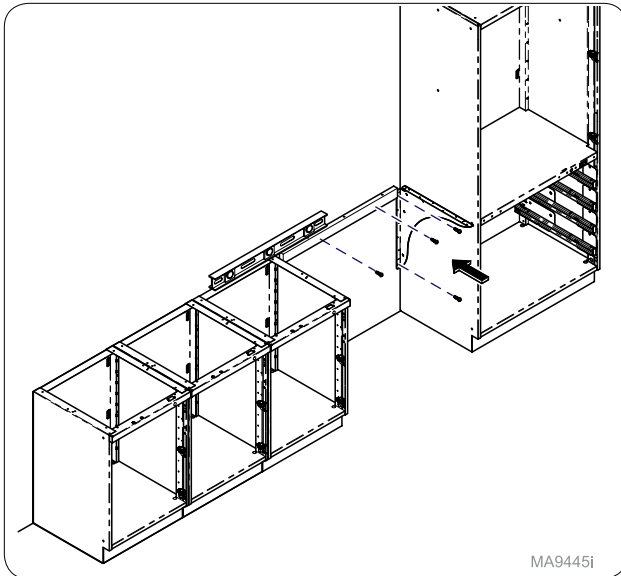
**Step 1:**  
Use a level to mark height of cabinet on wall. Mount running supports to wall by hitting available studs. Use 3/16" short mollies if no studs can be found.



**Step 2:**  
Use a compass to scribe backsplash on back of counter. If it measures more than 1/16" sanding will be needed. Sand the countertop(s) as necessary to form to wall.



**Step 3:**  
Secure countertop(s) to base unit using #10 x 5/8" screws provided.

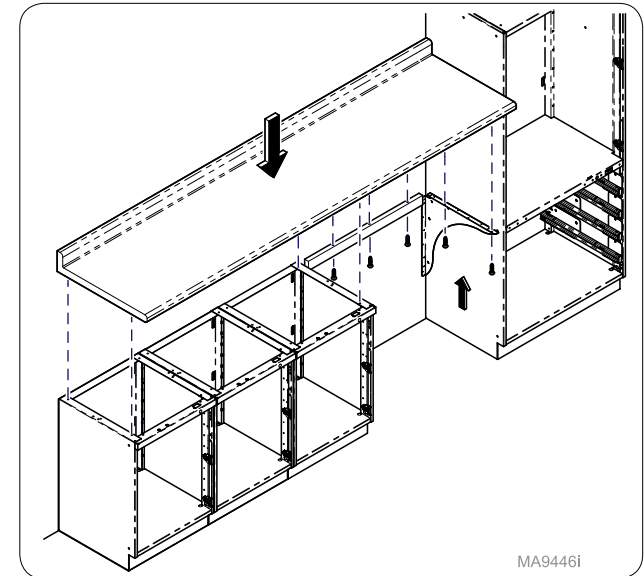


**Step 1: w/ Tall Unit**  
Use level to mark height of cabinet on wall. Mount support and metal bracket to wall by hitting available studs. Use 3/16" short mollies if no studs can be found.



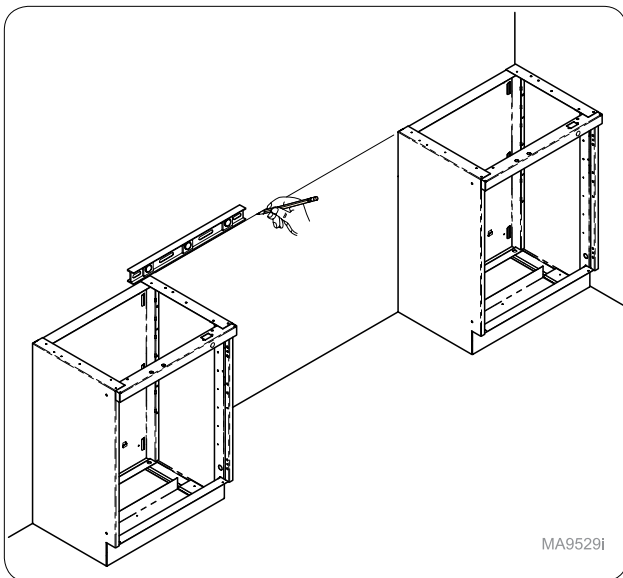
### Equipment Alert

When countertops are installed adjacent to 72" & 84" units, a rounded or tapered edge must be created on the countertop corner so that the 120 degree hinged doors do not become damaged.



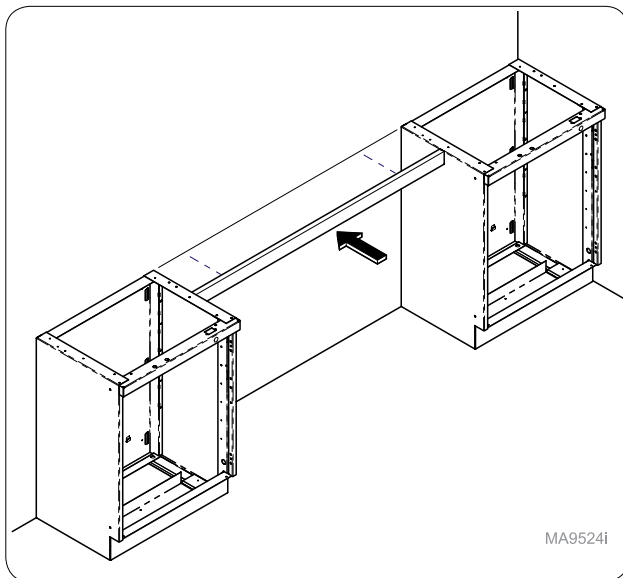
**Step 2: w/ Tall Unit**  
Secure countertop(s) to base unit, running support and metal bracket using #10 x 5/8" screws provided.

## Open Area Countertop Installation



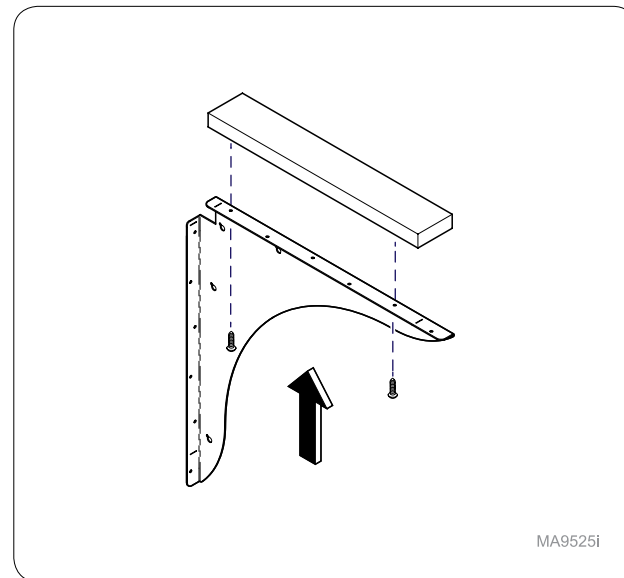
MA9529i

**Step 1:**  
Use a level to mark height of cabinet on wall. Mount running supports to wall by hitting available studs. Use 3/16" short mollies if no studs can be found.



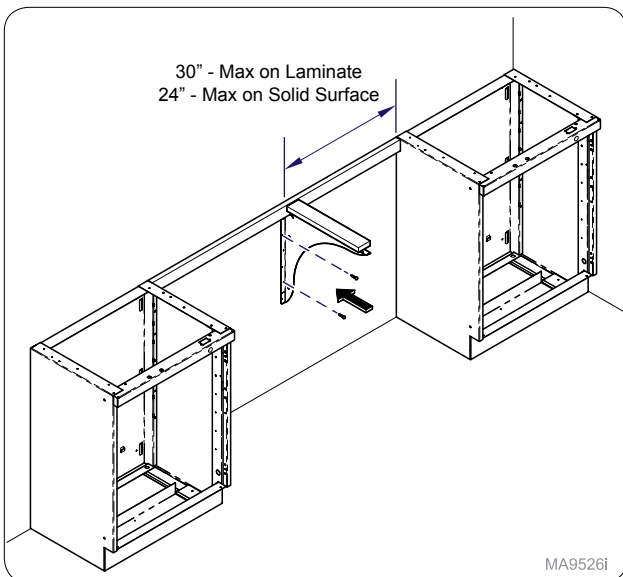
MA9524i

**Step 2:**  
Mount running support to wall using hardware (not supplied).



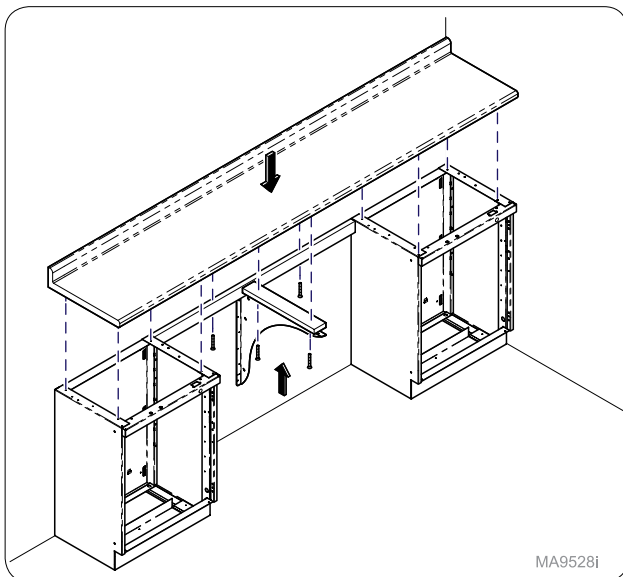
MA9525i

**Step 3:**  
Attach counter filler to underside of countertop. This filler will allow the countertop to be attached to the metal support bracket so a line accordingly.



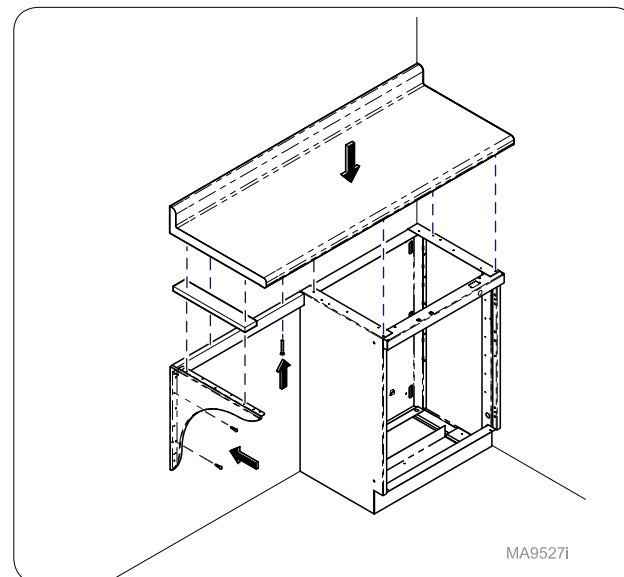
MA9526i

**Step 4:**  
Mount metal support bracket to wall. Hit stud if available. Use 3/16" short mollies if no studs can be found.



MA9528i

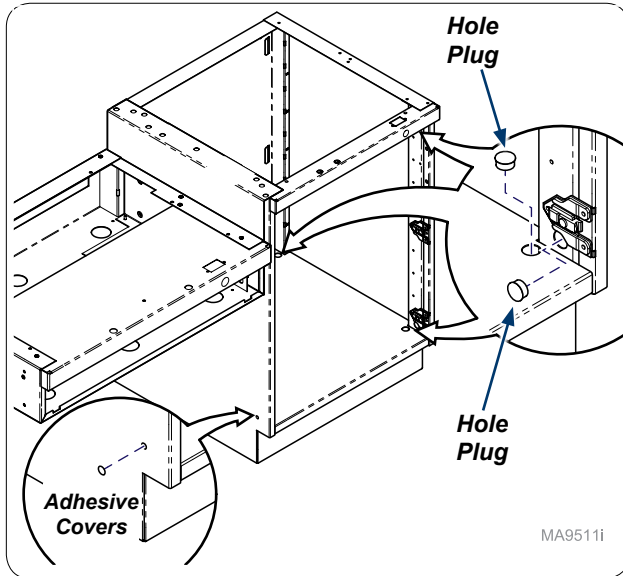
**Step 5:**  
Secure countertop(s) to base unit, running support and metal bracket using #10 x 5/8" screws provided.



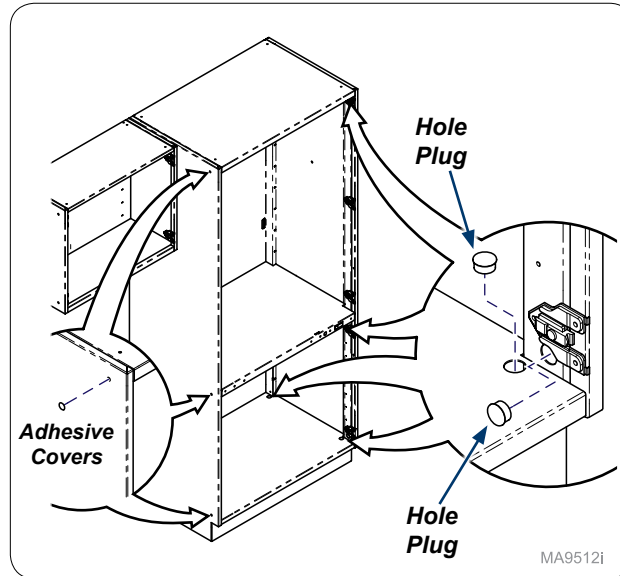
MA9527i

**Step 6:**  
If second base unit is not present, a metal bracket with panel will be supplied. Mount bracket to wall and secure countertop as shown in previous steps.

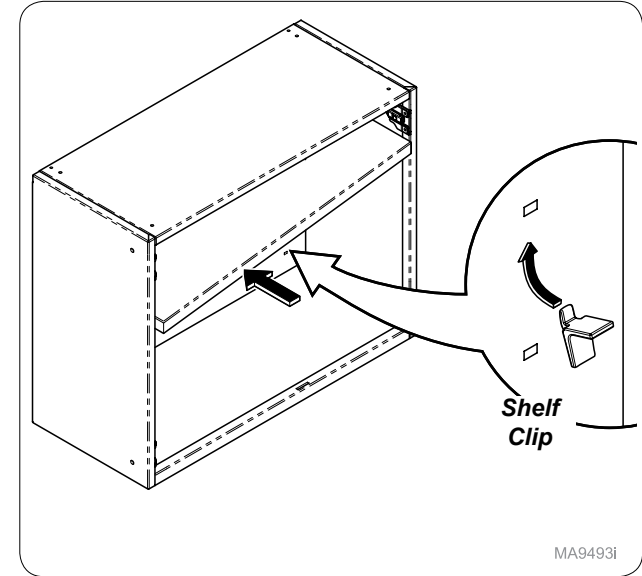
## Installing Doors, Handles and More



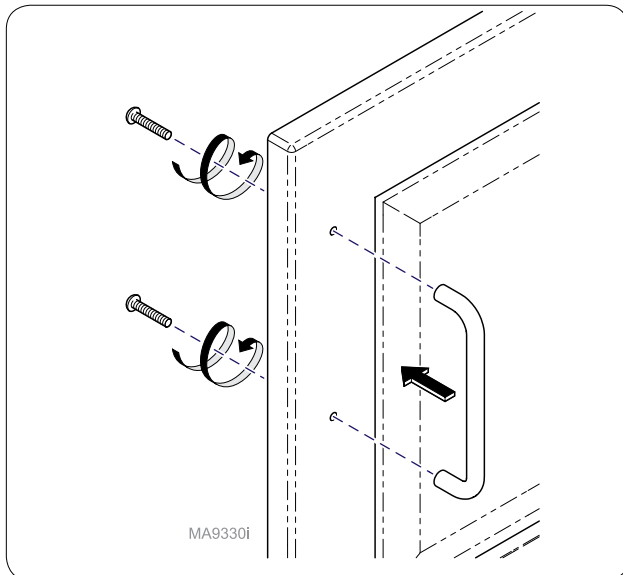
**Installing Hole Plugs and Adhesive Covers**  
 Insert hole plug covers as needed (max of 6).  
 Place adhesive covers on side of cabinet as needed.



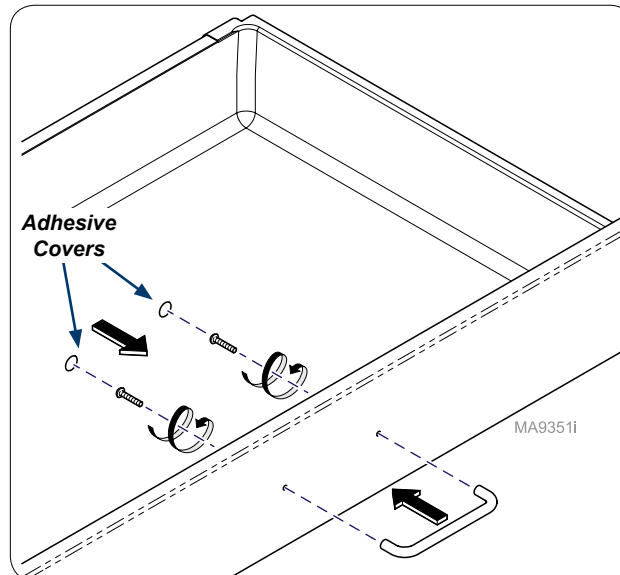
**Installing Hole Plugs and Adhesive Covers**  
 Insert hole plug covers as needed (max of 10).  
 Place adhesive covers on side of cabinet as needed.



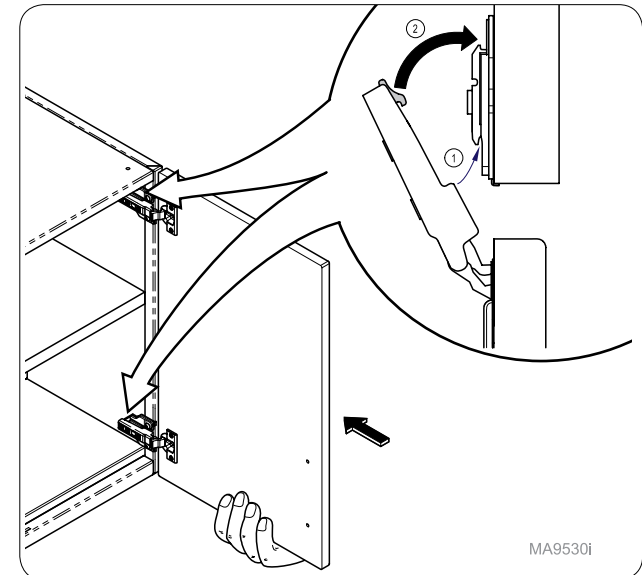
**Installing Shelf Clips & Shelf**  
 Tilt shelf to fit into cabinet as shown. Install shelf clips  
 and place shelf on top of clips.



**Installing Handles (If applicable)**  
 Install door handle using hardware supplied.



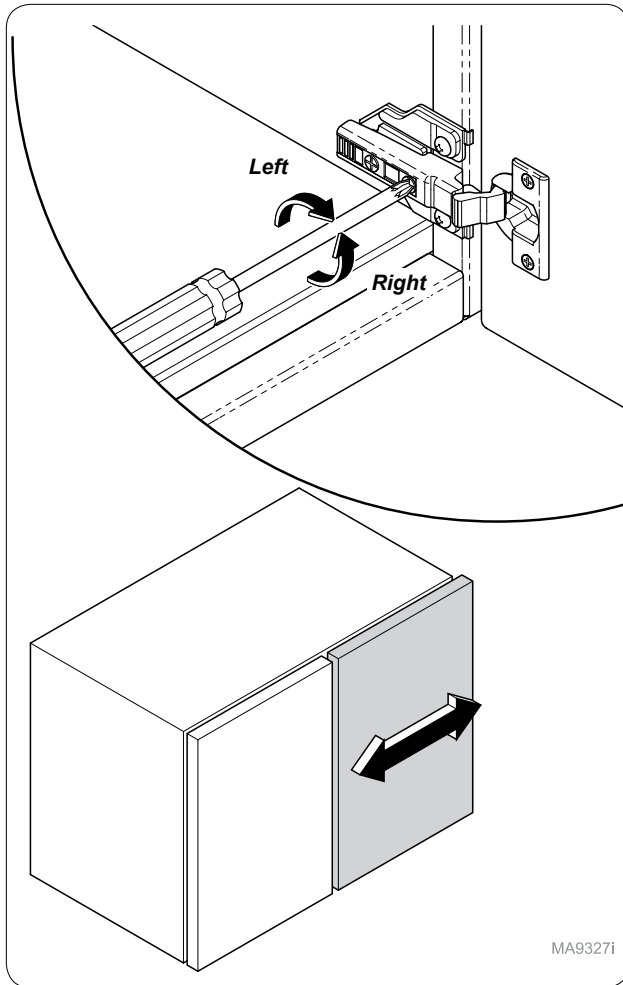
**Installing Handles (If applicable)**  
 Install drawer handle using hardware supplied. Place  
 adhesive covers over screw heads.



**Installing Doors**  
 Install doors as shown.

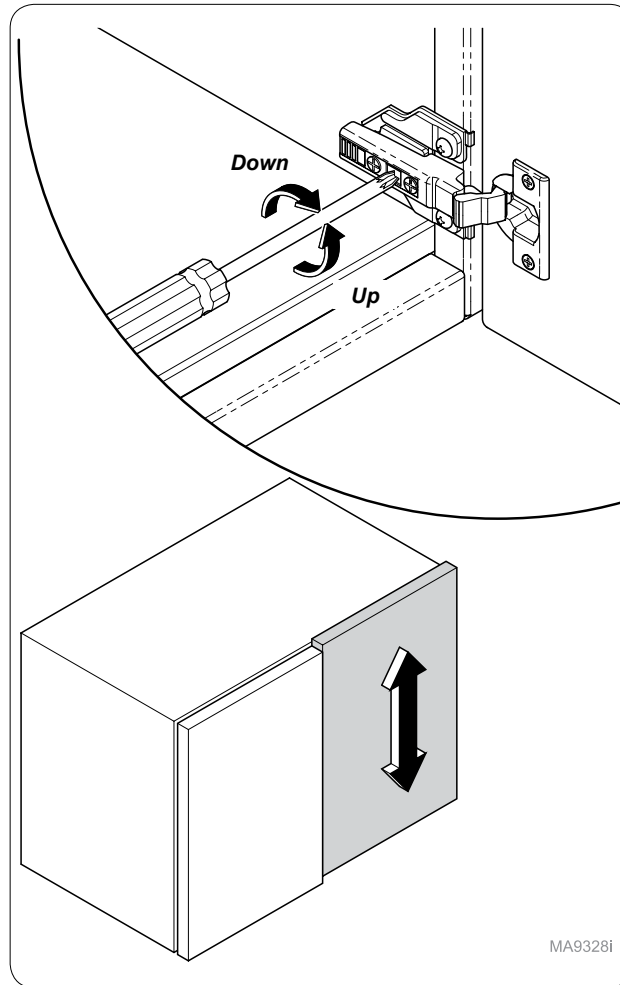


## Door Adjustment



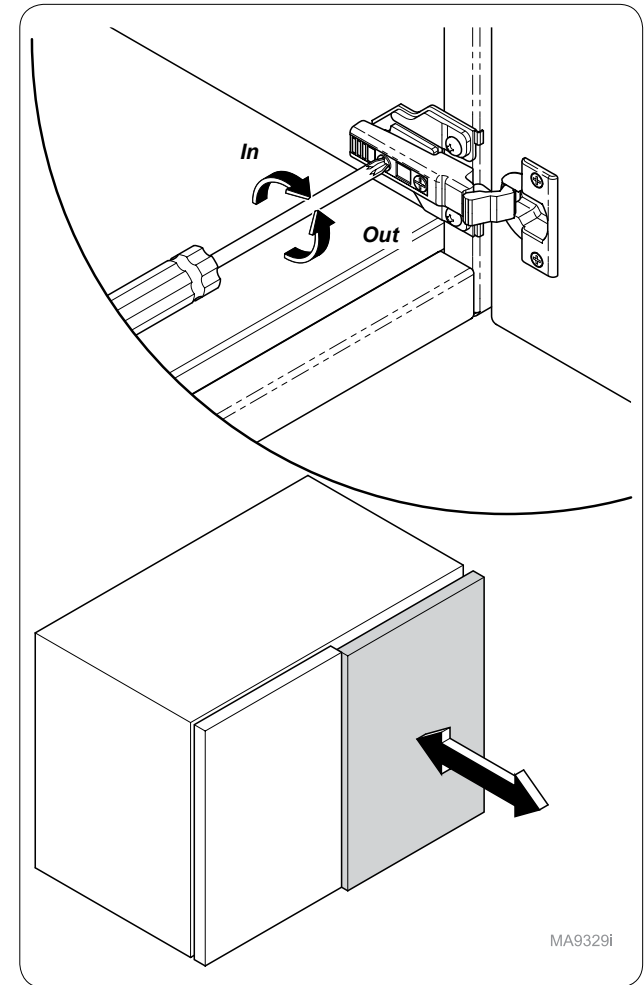
### **Door Adjustment Side to Side**

Turn screw located closest to door to increase or decrease the door overlay side to side (+ or - 2 mm).



### **Door Adjustment Up and Down**

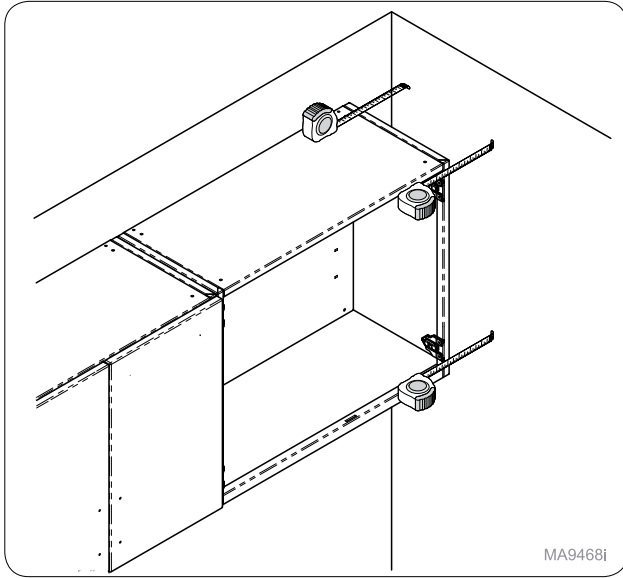
Turn cam screw located in center of mounting plate to adjust door position up or down (+ or - 2 mm).



### **Door Adjustment Away or Closer**

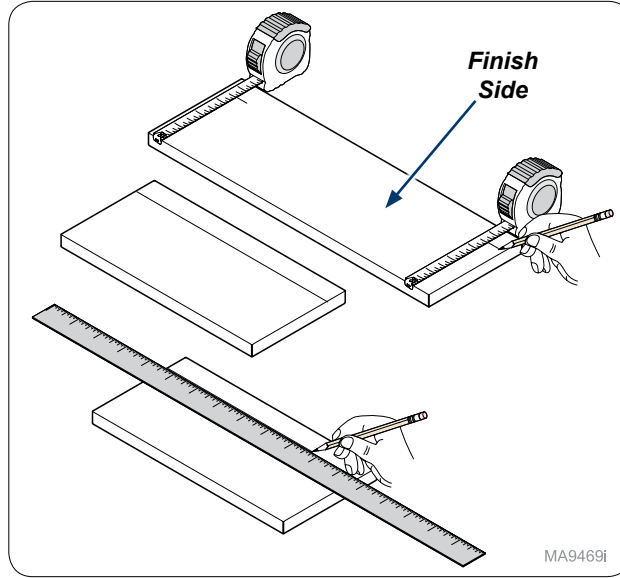
Turn Spiral Tech cam screw located furthest from door to position the door farther from or closer to cabinet (+3 mm or -2 mm).

## Overhead Filler Panel Installation



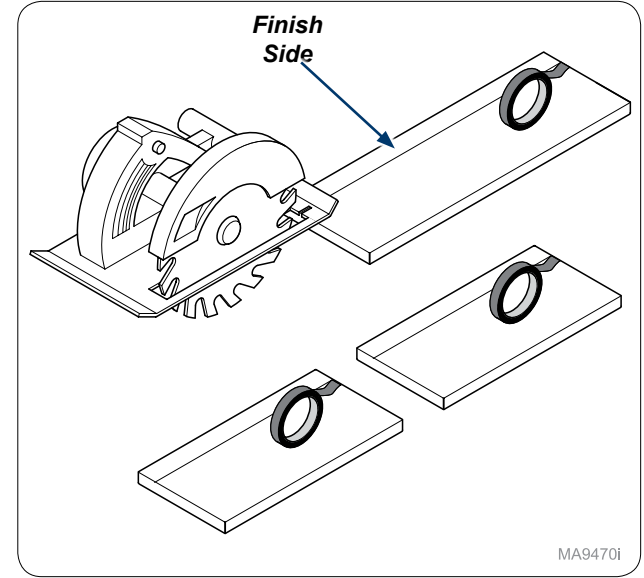
MA9468i

**Step 1:**  
Measure space from wall to cabinet.



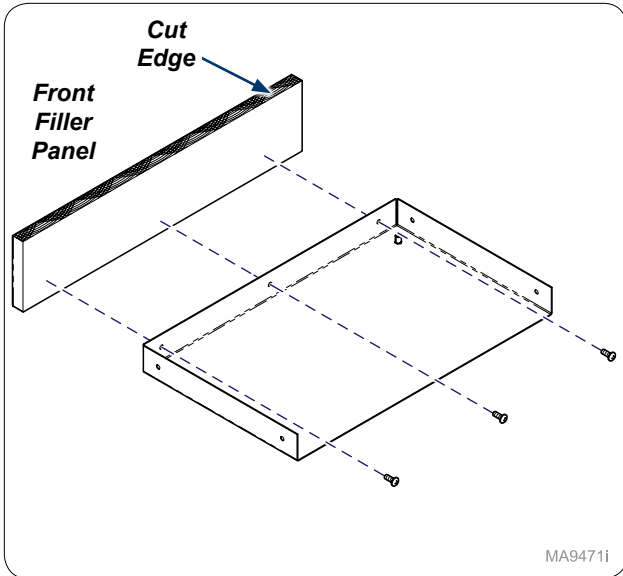
MA9469i

**Step 2:**  
Measure and mark filler panel using measurements from the previous step.



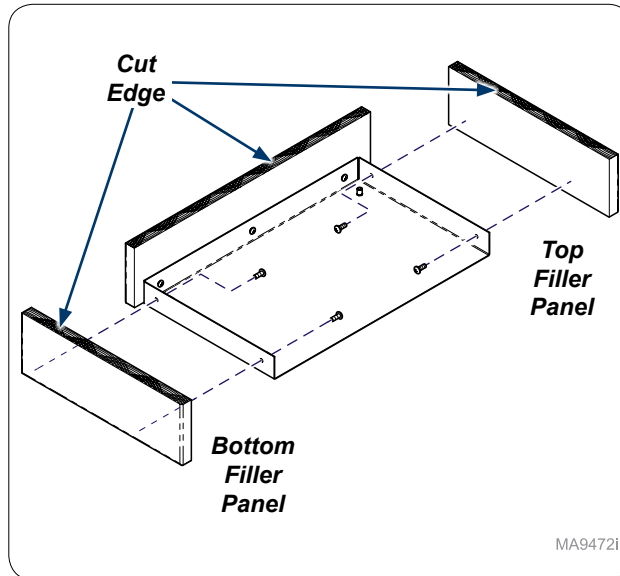
MA9470i

**Step 3:**  
Cut filler panels to size. **Note:** Tape along cut line to prevent cracking.



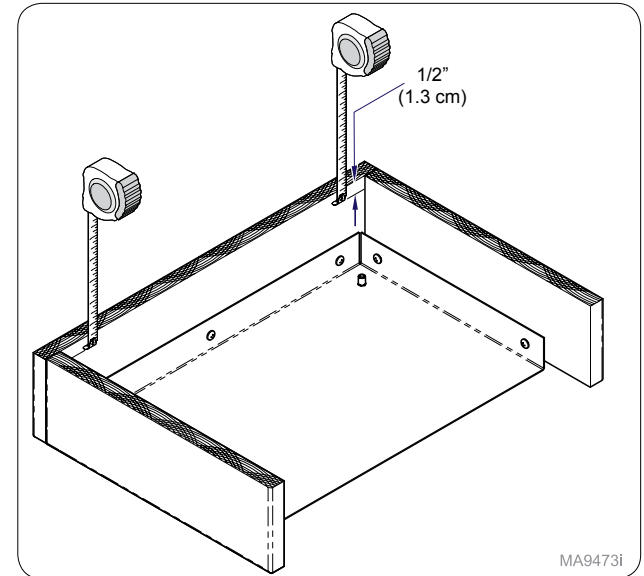
MA9471i

**Step 4:**  
Place filler bracket on a flat surface and secure front filler panel with cut side up as shown using wood screws provided.



MA9472i

**Step 5:**  
Attach top and bottom filler panels using wood screws provided.

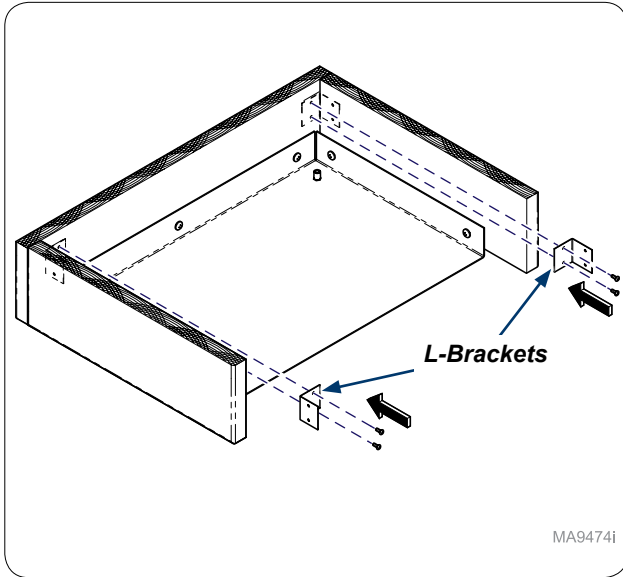


MA9473i

**Step 6:**  
Measure 1/2" (1.3 cm) away from cut edge to add L-Bracket.

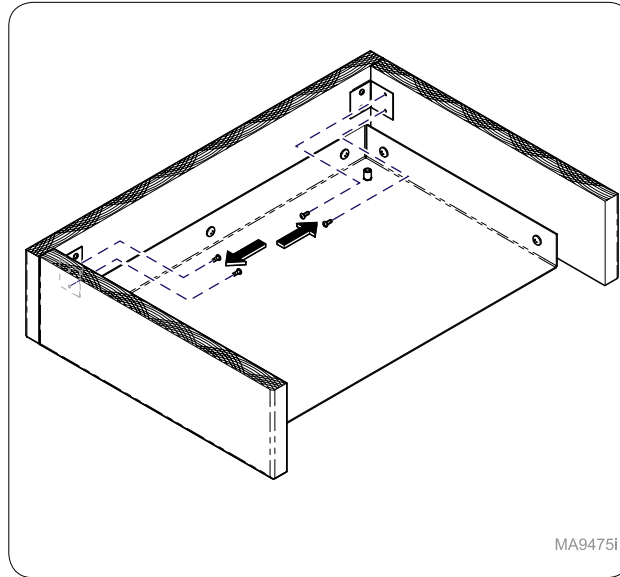
TP200 Rev. A

## Overhead Filler Panel Installation



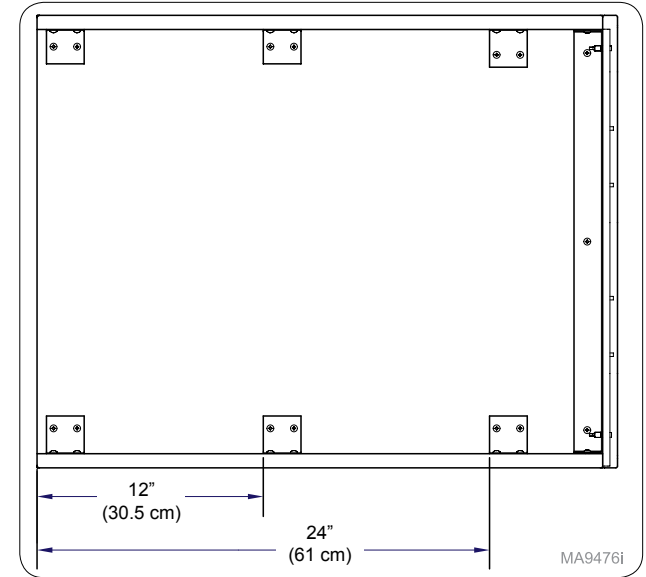
MA9474i

**Step 7:**  
Mount L-Bracket to inside front filler panel with wood screws provided.



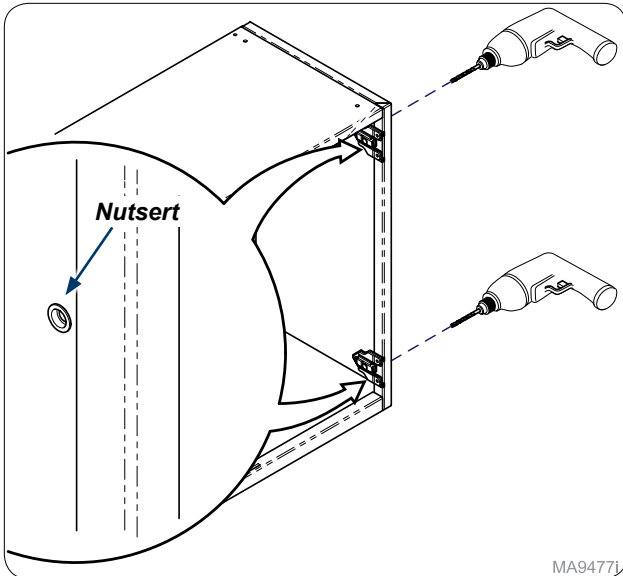
MA9475i

**Step 8:**  
Secure L-Bracket to top and bottom filler panels with wood screws provided.



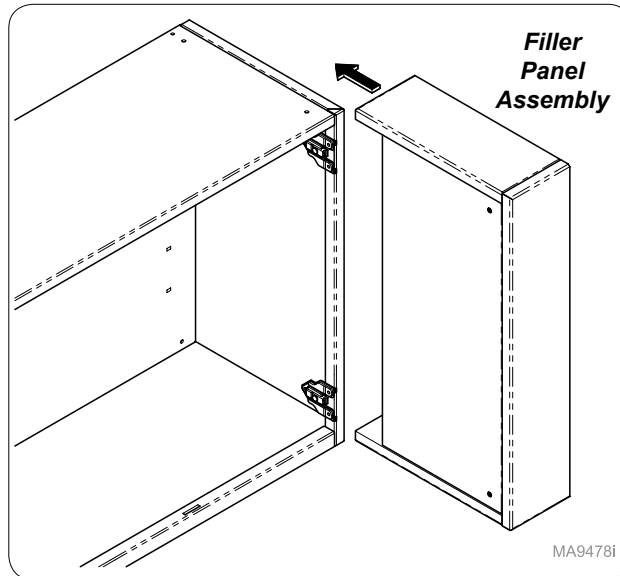
MA9476i

**Step 9: On long filler panels ONLY**  
Space out L-Brackets as needed.



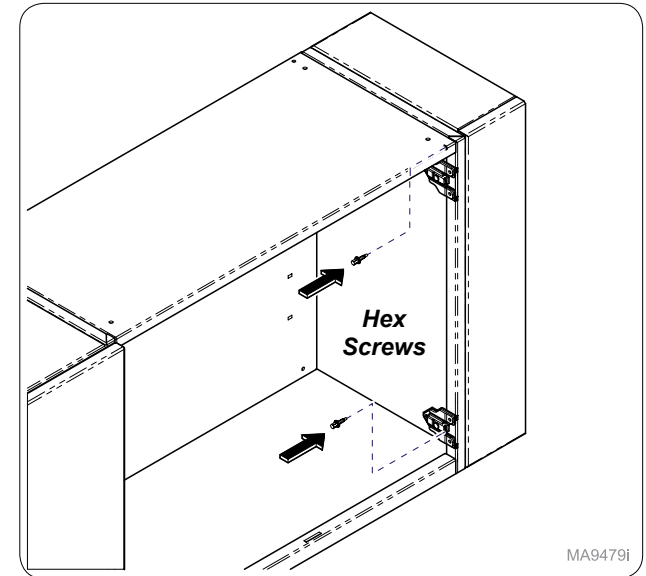
MA9477i

**Step 10: Right side ONLY.**  
Drill out nutserts. Note: use 9/32" drill bit to drill out nutserts.



MA9478i

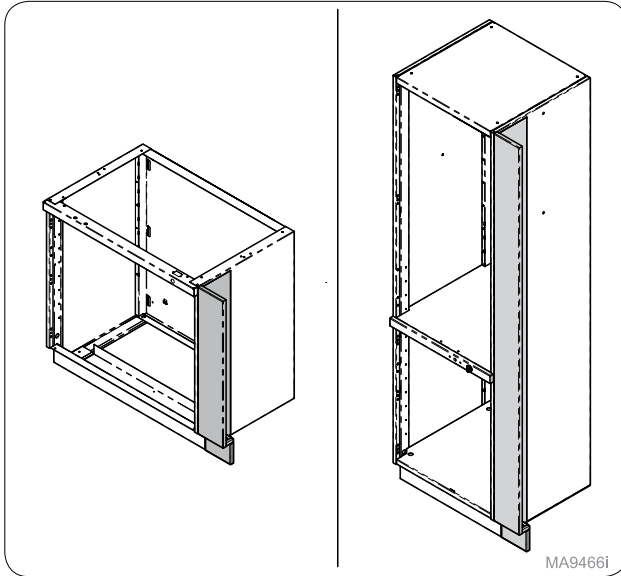
**Step 11:**  
Move filler panel assembly into position.



MA9479i

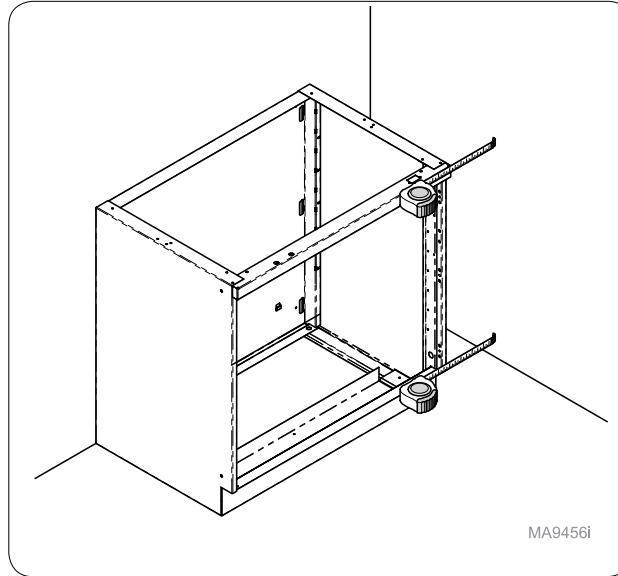
**Step 12:**  
Secure to cabinet with hex screws.

## Base & Tall Unit Filler Panel Installation



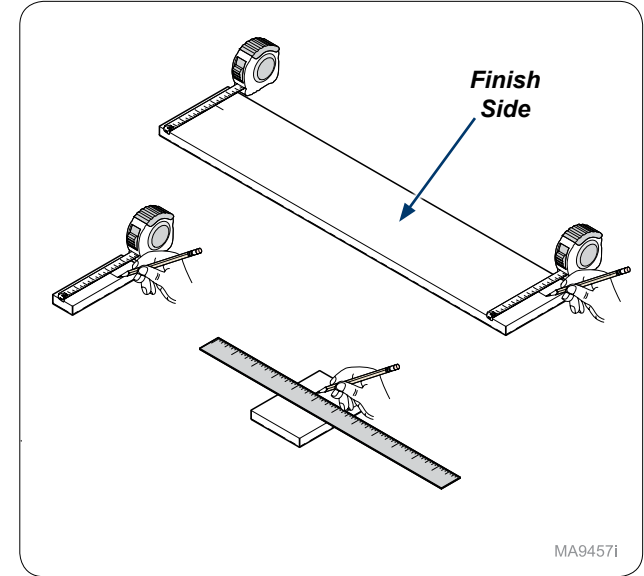
MA9466i

**Step 1:**  
Base and tall unit filler panel assembly steps are identical. **Note: Base unit filler panel assembly will be shown.**



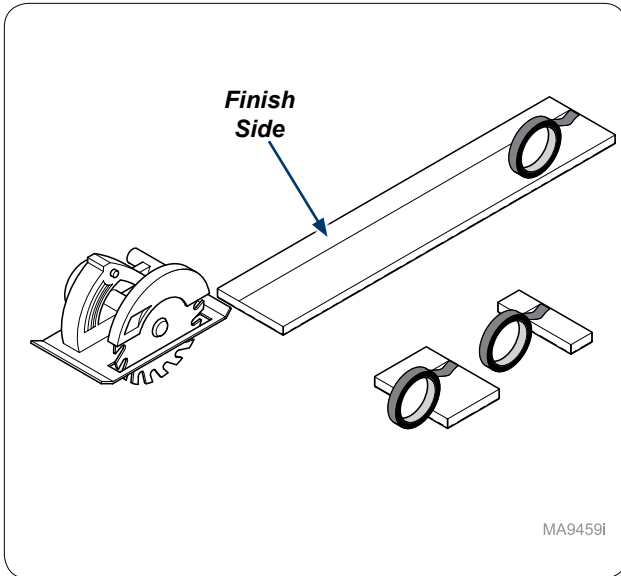
MA9456i

**Step 2:**  
Measure gap from wall to cabinet.



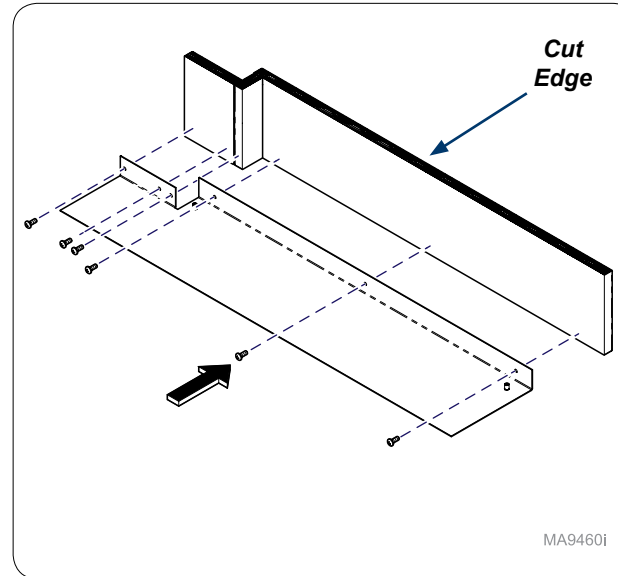
MA9457i

**Step 3:**  
Measure and mark filler panel using measurements from previous step.



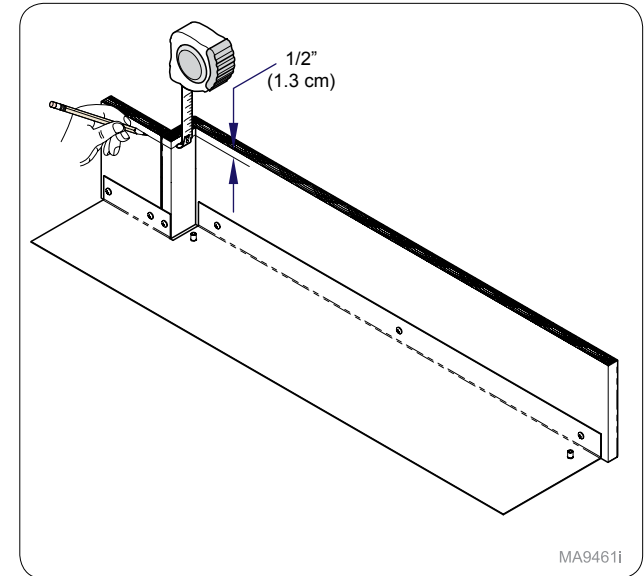
MA9459i

**Step 4:**  
Cut filler panels to size. **Note: Tape along cut line before cutting to prevent cracking.**



MA9460i

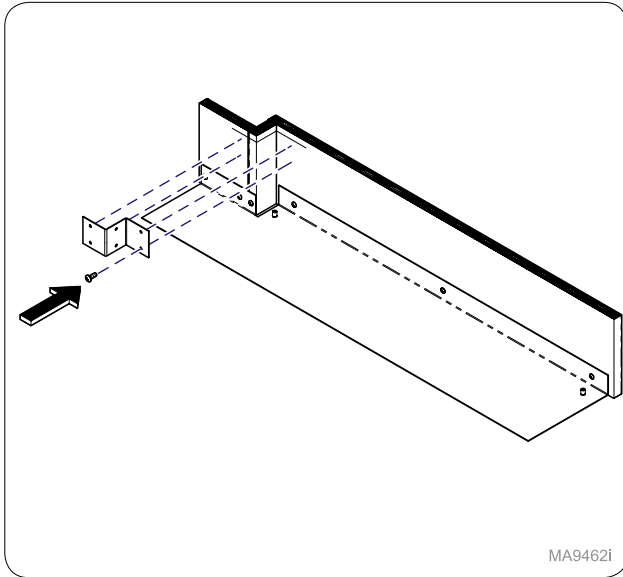
**Step 5:**  
Place filler bracket on a flat surface and secure filler panels using wood screws provided. **Note: Make sure cut edge will face the wall.**



MA9461i

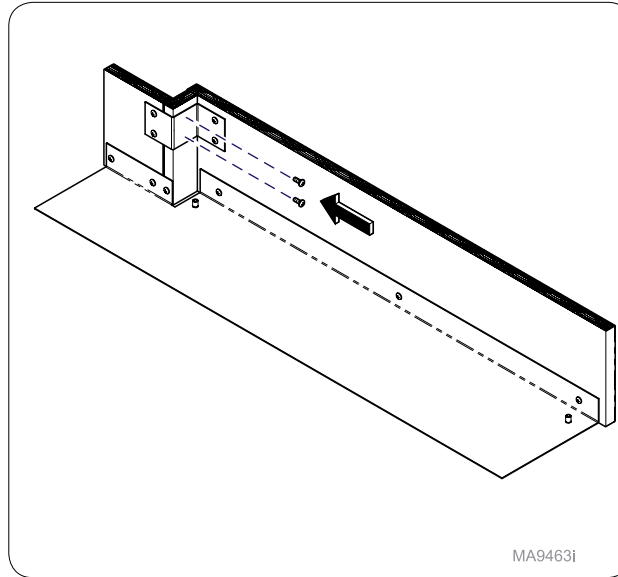
**Step 6:**  
Measure 1/2" (1.3 cm) away from cut edge to add Z-bracket.

## Base & Tall Unit Filler Panel Installation



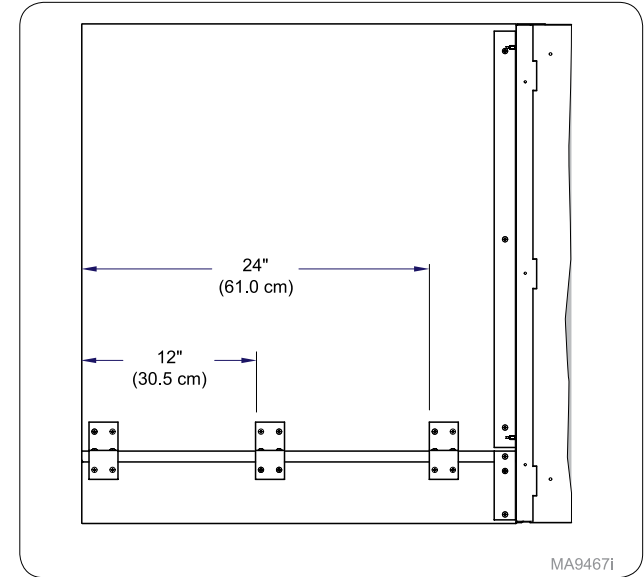
MA9462i

**Step 7:**  
Secure Z-bracket(s) to the front facing filler panels using wood screws provided.



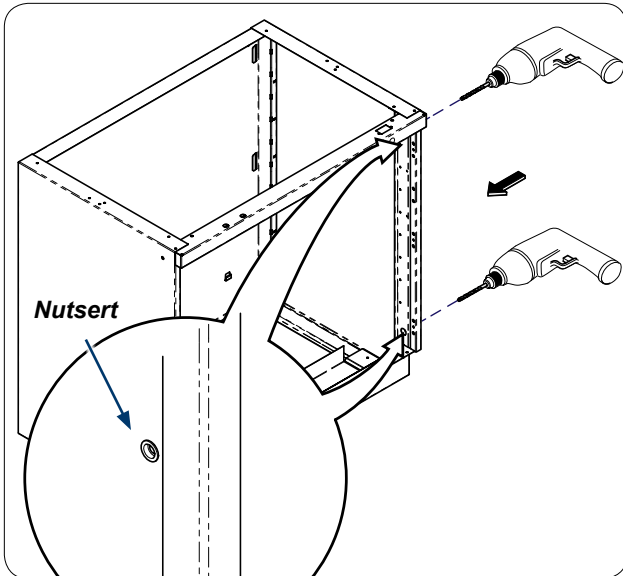
MA9463j

**Step 8:**  
Secure Z-bracket(s) to the downward facing filler panel using wood screws provided.



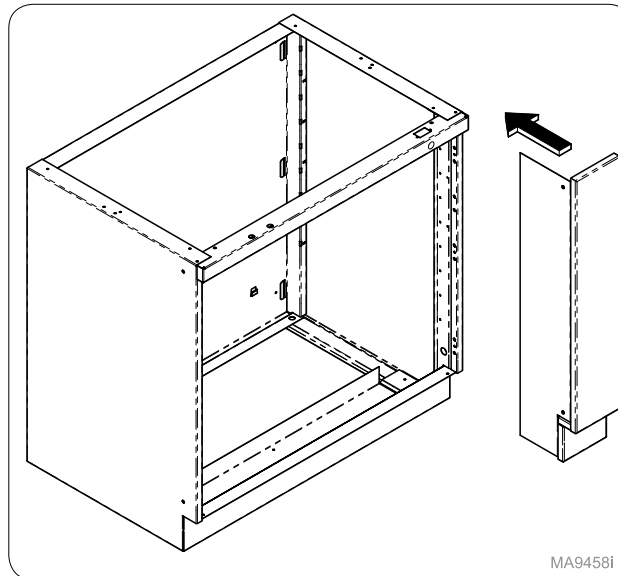
MA9467i

**Step 9: On Long Filler Panel Only**  
Space out L-brackets as needed.



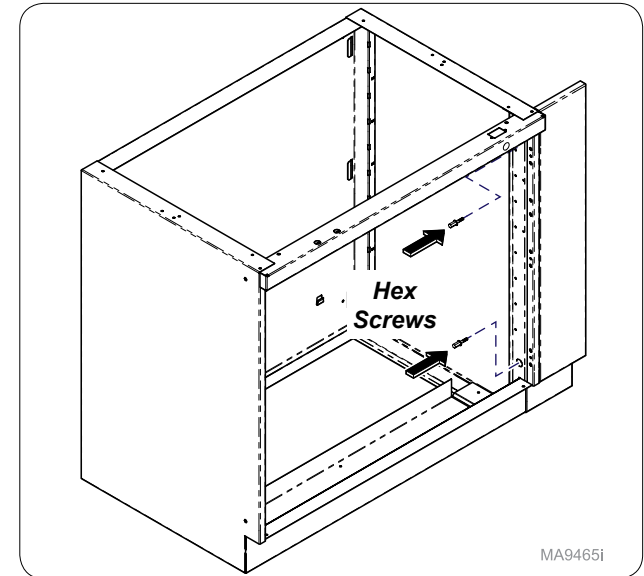
Nutsert

**Step 10: Right-hand Side Only**  
Drill out nutserts in cabinet if filler is going on right hand side of cabinet. **Note: Use 9/32" drill bit to drill out nutserts.**



MA9458i

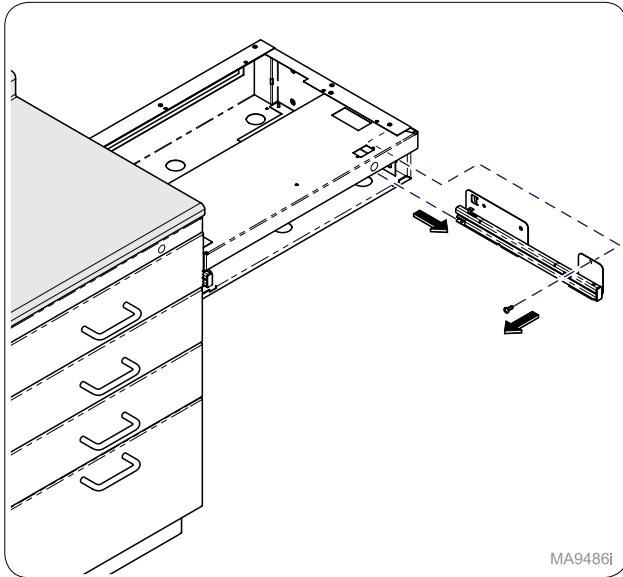
**Step 11:**  
Move filler panel assembly into position.



MA9465i

**Step 12:**  
Secure to cabinet using hex screws provided.

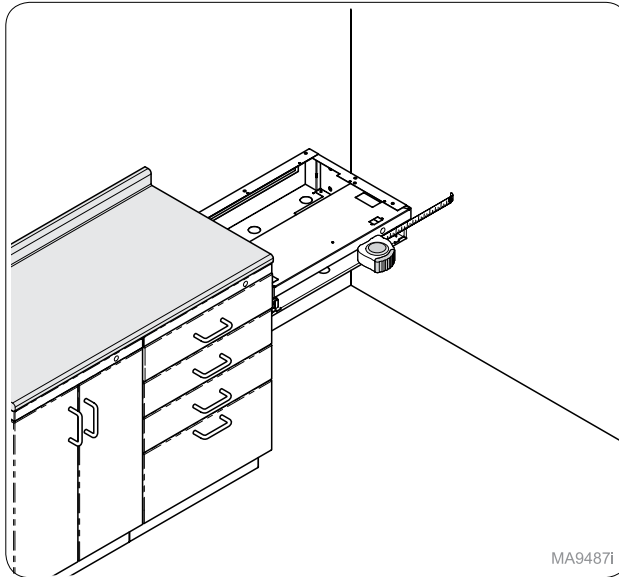
## Desk Filler Panel Installation



MA9486i

### Step 1: Remove Slide

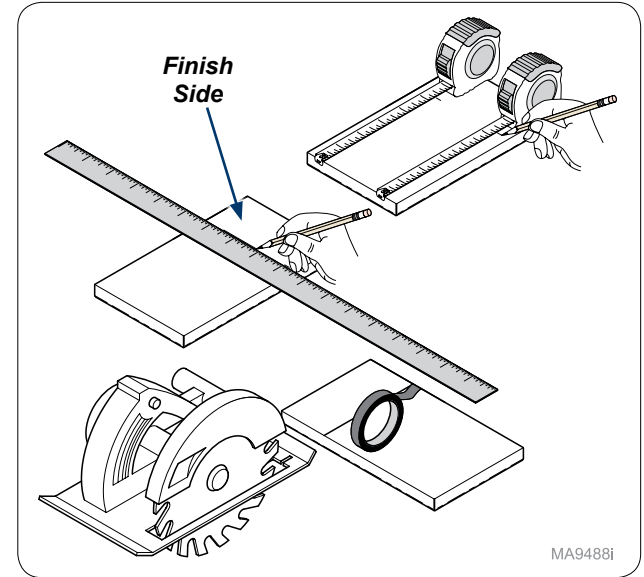
Remove screw from front of slide and remove slide from desk.



MA9487i

### Step 2:

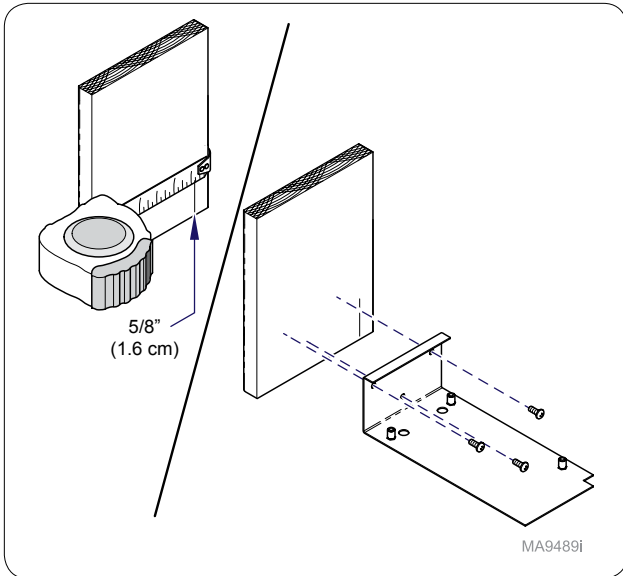
Measure gap from wall to desk.



MA9488i

### Step 3:

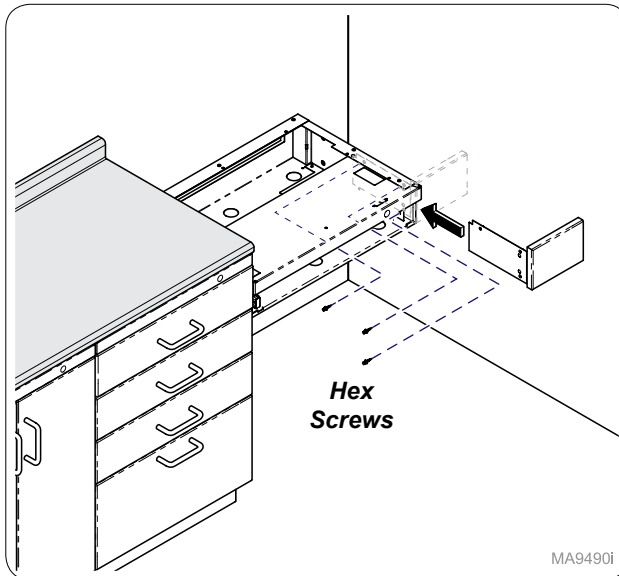
Measure, mark, and cut filler panel as needed. **Note: Tape along cut line before cutting to prevent cracking.**



MA9489i

### Step 4:

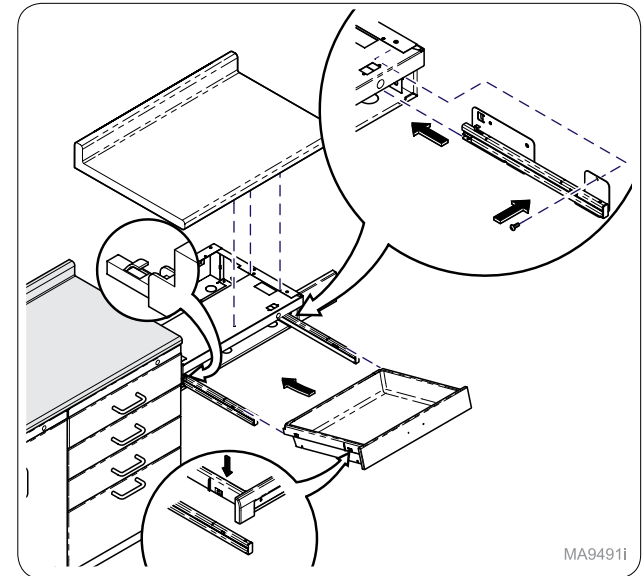
Measure 5/8" (1.6 cm) from edge of filler to mount bracket. Mount filler to bracket with screws provided.



MA9490i

### Step 5:

Secure bracket and filler panel to desk with hex screws as shown.

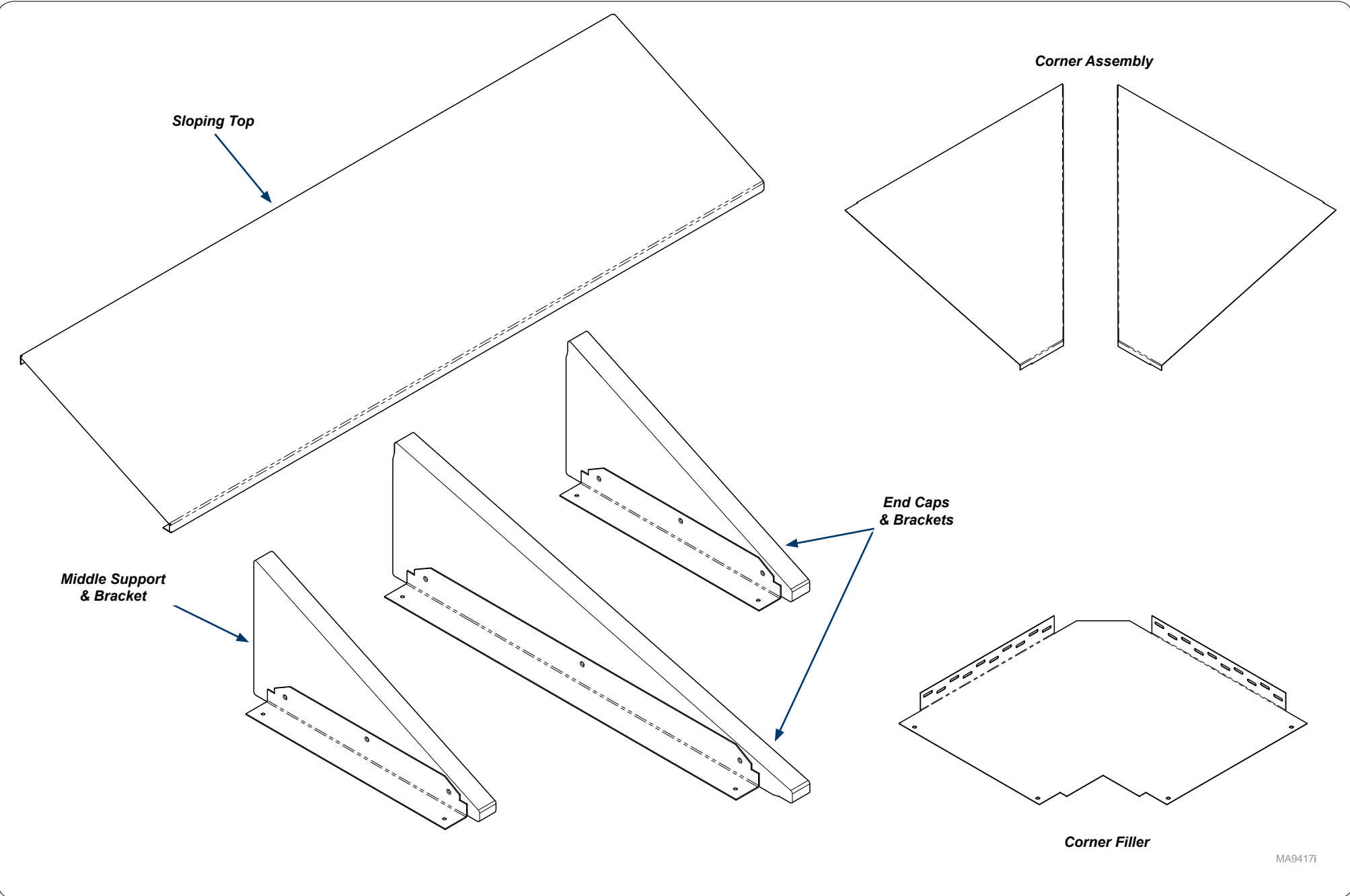


MA9491i

### Step 6:

Reinstall slide and secure counter top to desk. Reinstall drawer.

# Sloping Top Installation



Sloping Top

Corner Assembly

End Caps & Brackets

Middle Support & Bracket

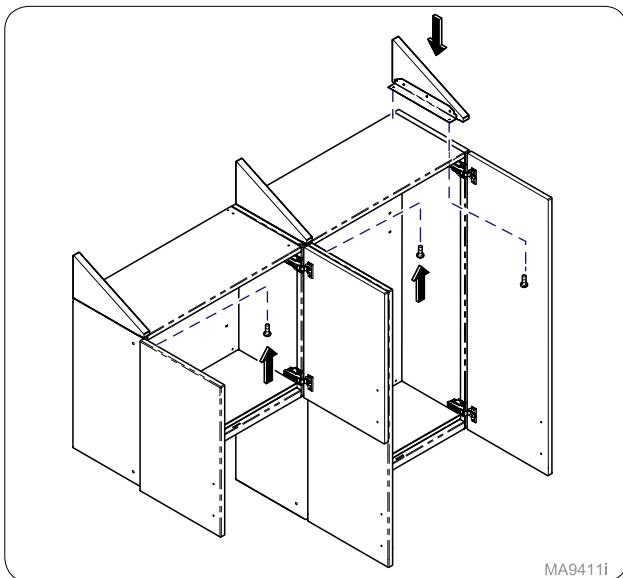
Corner Filler

TP200 Rev. A

MA94171

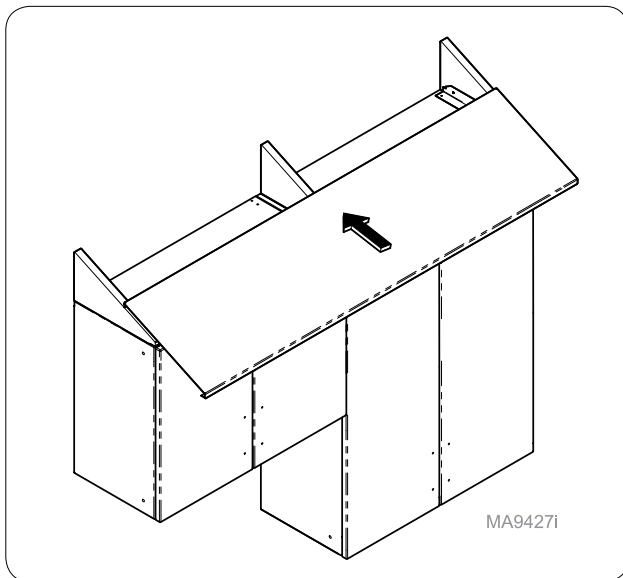
**Step 1:**  
Identify components for sloping top.

## Sloping Top Installation



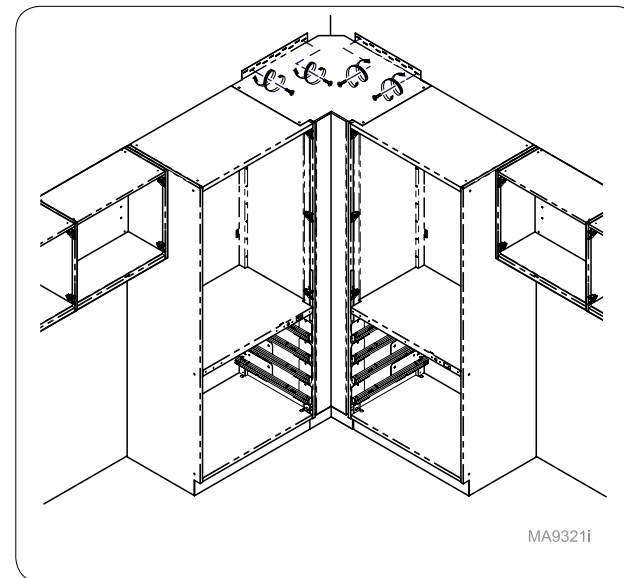
MA9411i

**Step 2:**  
Install end caps. **Note: Middle supports are needed if gap between endcaps exceeds 48" (121.9cm).**



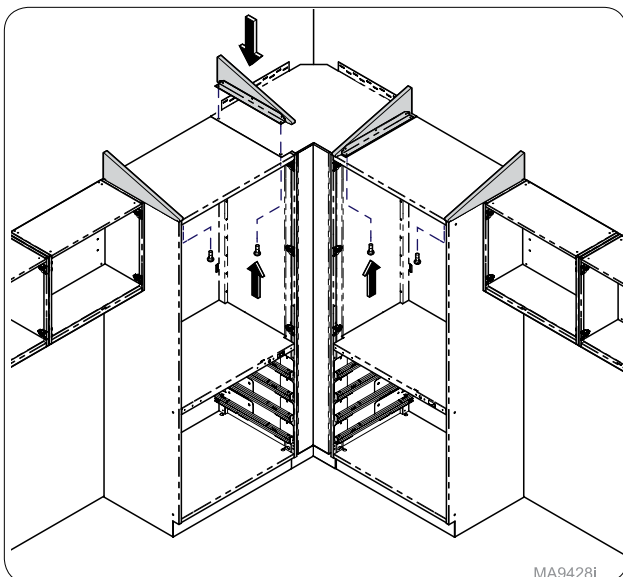
MA9427i

**Step 3:**  
Install sloping tops.



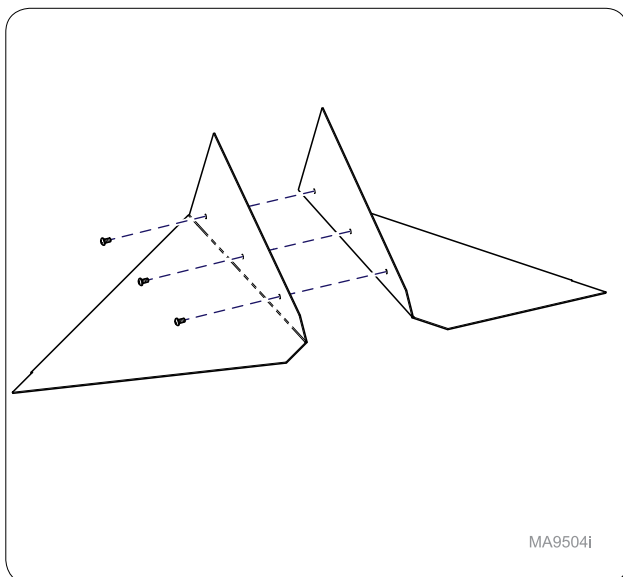
MA9321i

**Step 1: w/ Tall Units in Corner**  
Install corner filler.



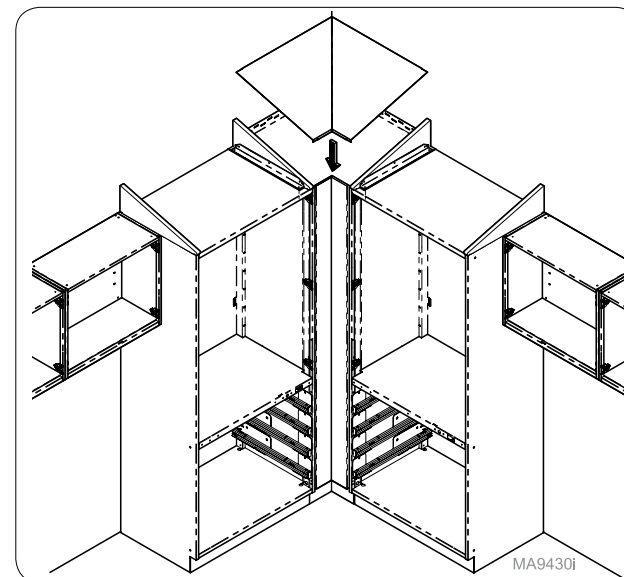
MA9428i

**Step 2:**  
Install end caps using hardware supplied.



MA9504i

**Step 3:**  
Attach left and right corner covers using hardware supplied.

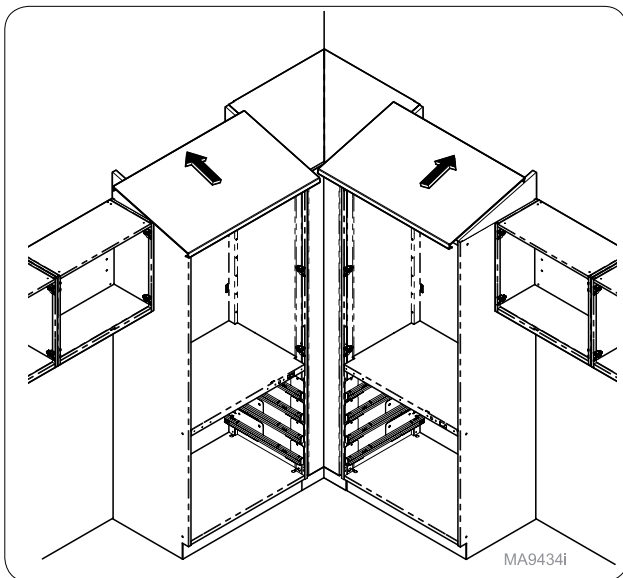


MA9430i

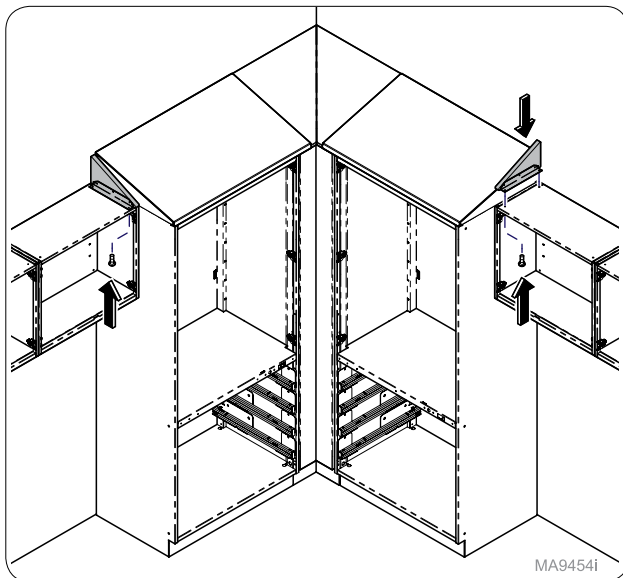
**Step 4:**  
Install corner cover assembly.



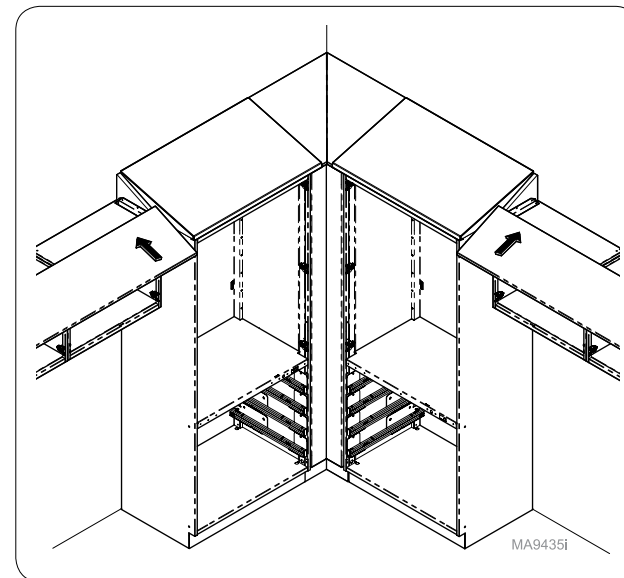
## Sloping Top Installation



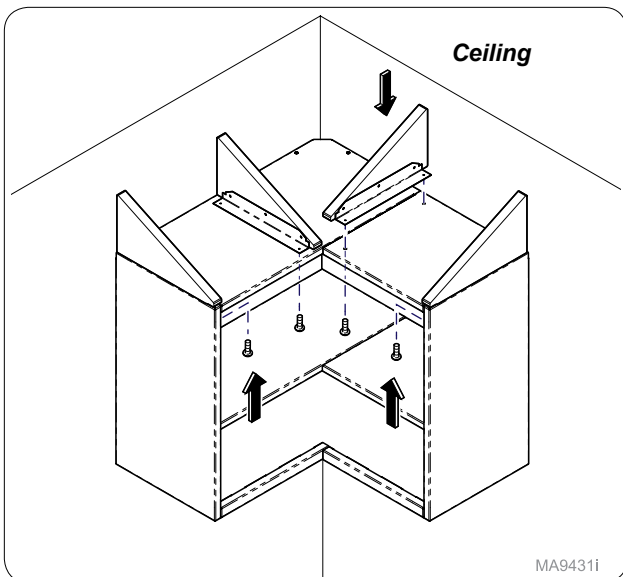
**Step 5:**  
Install sloping tops onto tall units.



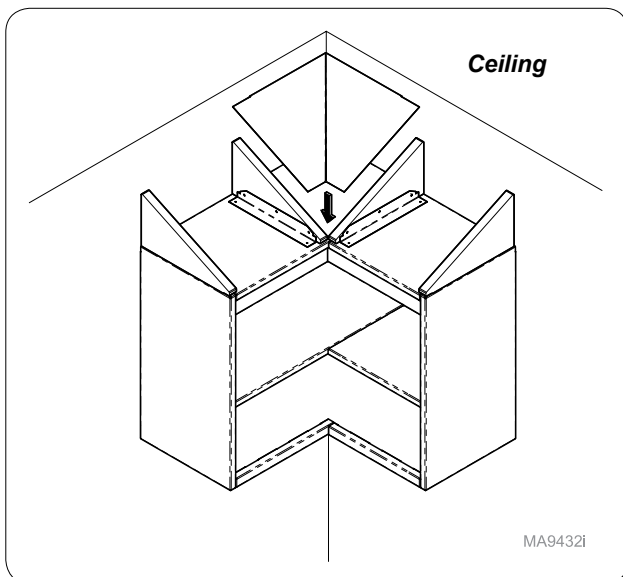
**Step 6:**  
Install end caps onto connected cabinets using hardware supplied.



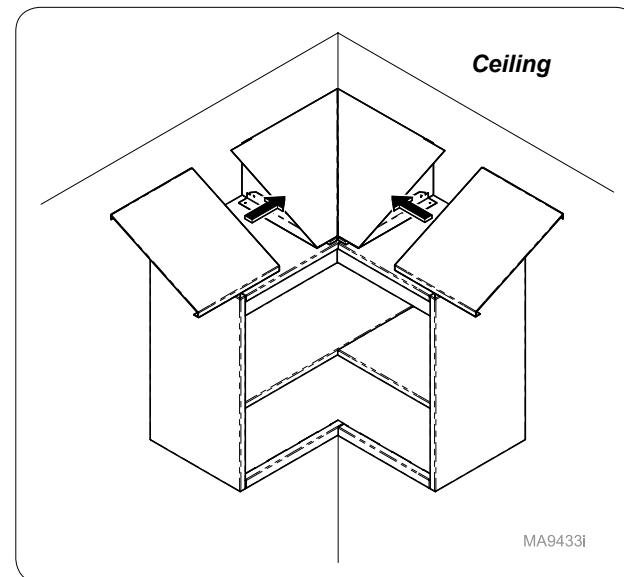
**Step 7:**  
Install sloping tops onto connected cabinets.



**Step 1: w/ Corner Overhead**  
Install end caps onto corner unit using hardware supplied.

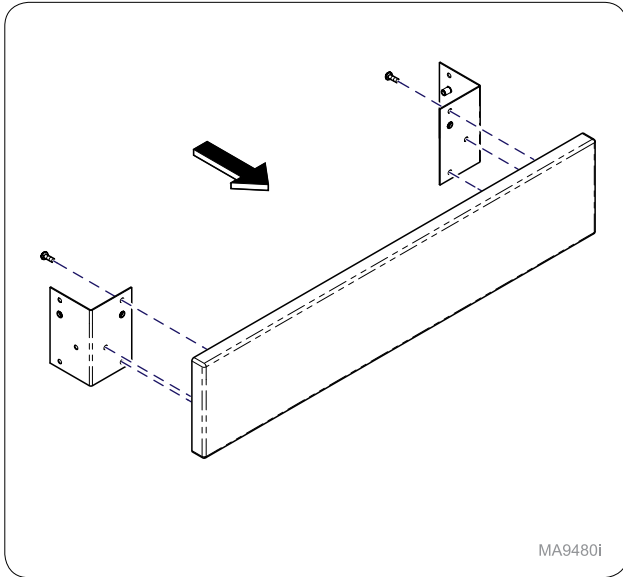


**Step 2:**  
Install corner cover assembly.

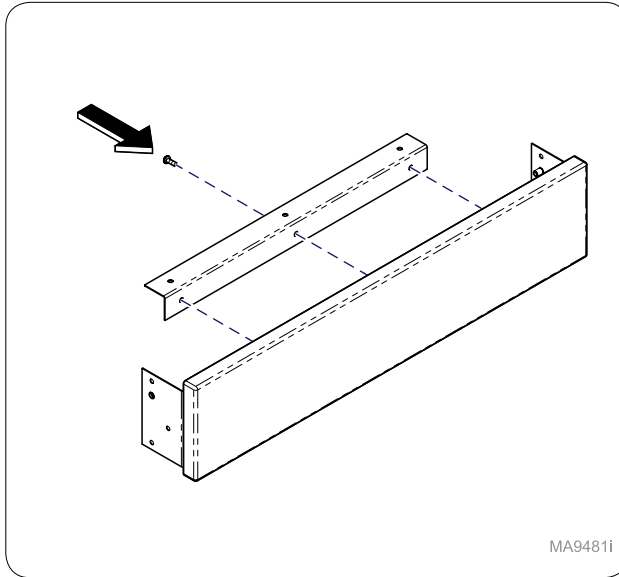


**Step 3:**  
Install sloping tops.

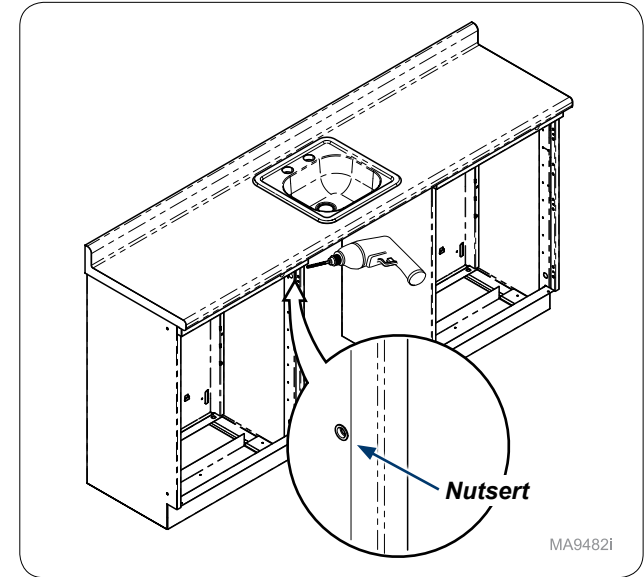
## Sink Apron Panel Installation



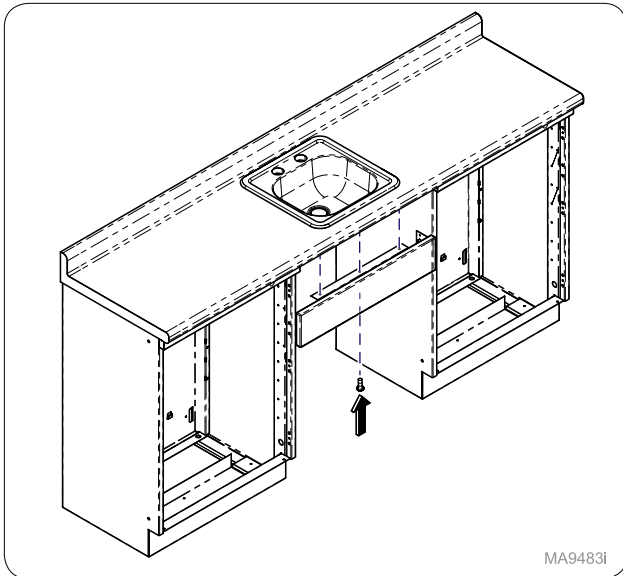
**Step 1:**  
Attach L-bracket to sink apron panel using hardware supplied.



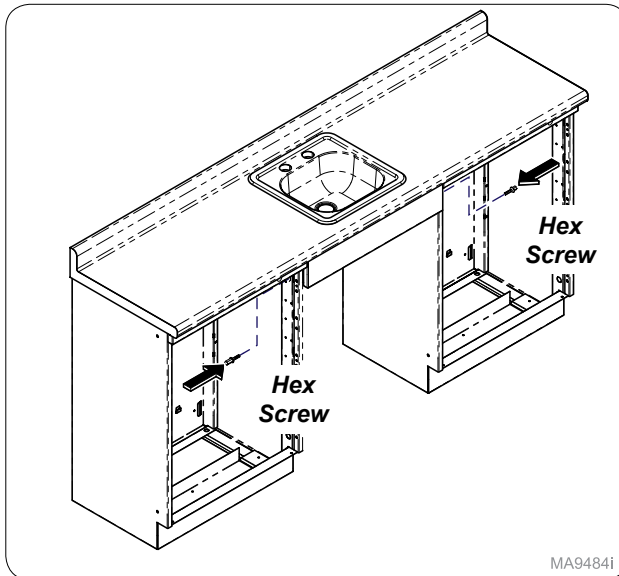
**Step 2:**  
Attach support bracket to sink apron panel using hardware supplied.



**Step 3:**  
Drill out top nutsert on right-hand side of left cabinet.  
**Note:** Use 9/32" drill bit to drill out nutserts.

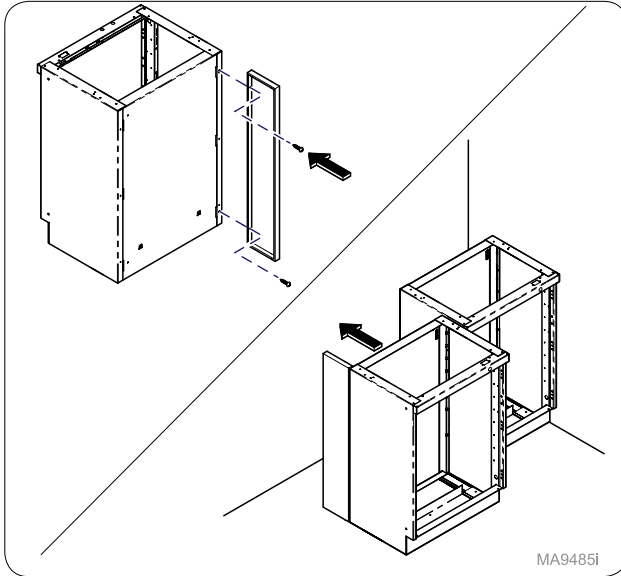


**Step 4:**  
Attach apron panel assembly to bottom of counter using hardware supplied.



**Step 5:**  
Secure apron panel assembly to cabinets using hex screws provided.

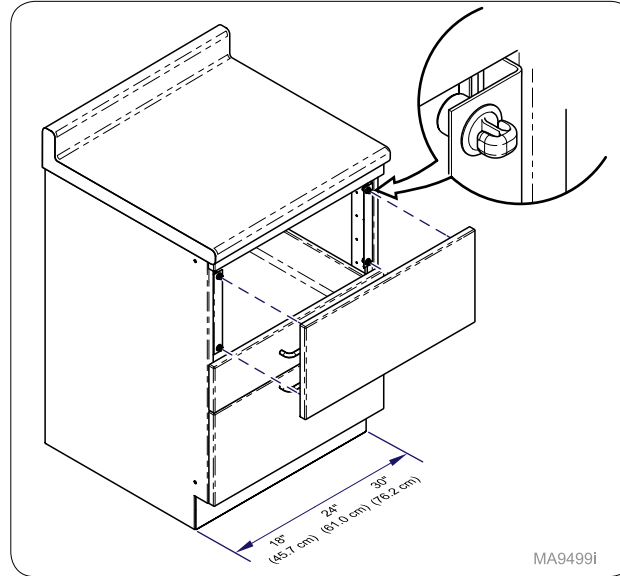
## Miscellaneous Install Information



MA9485i

### Metal Filler Panel:

Attach filler panel to back of unit and move into place. Attach to connected units (if applicable).



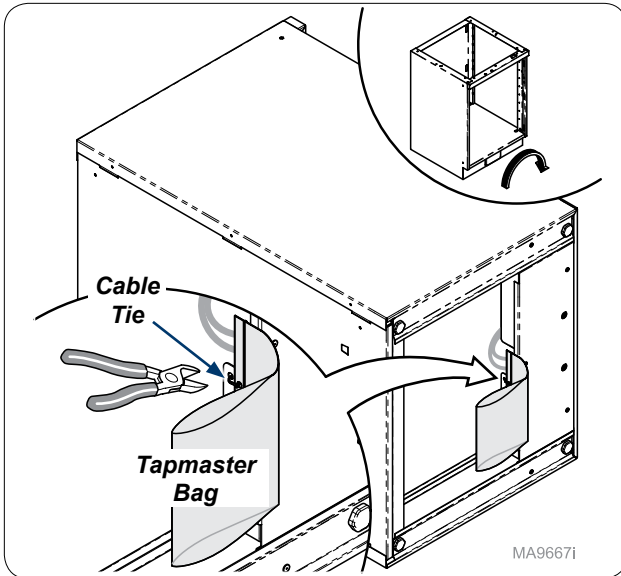
MA9499i

### Ultrasonic Cleaner:

Remove front panel if a cutout is required to mount ultrasonic control panel.

### Note:

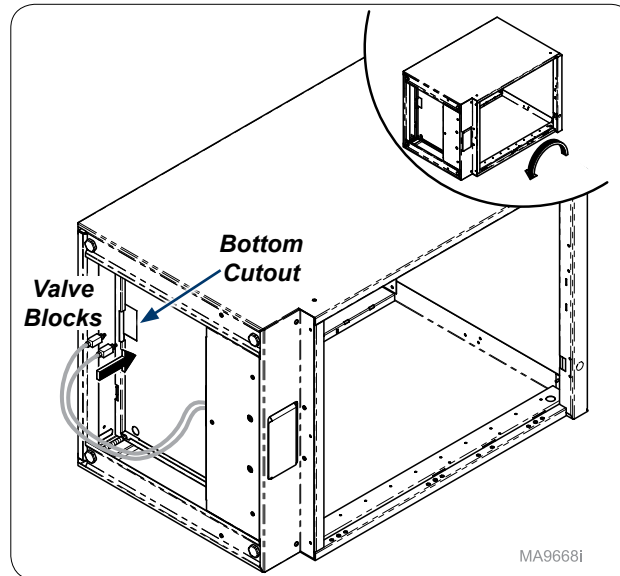
Controls must be cut into panel in the field. Ultrasonic cleaner casework is only available in 18", 24" & 30" widths. The access dimensions are the same as the sink casework in comparable sizes.



MA9667i

### Step 1: Faucet Control:

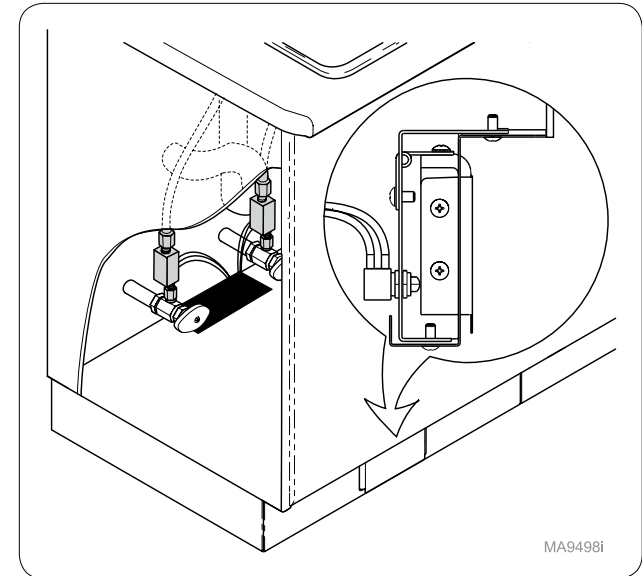
Turn cabinet on side. Remove cable tie and tapmaster bag from cabinet.



MA9668i

### Step 2: Faucet Control:

Route valve blocks with tubes through cutout in base bottom. Turn cabinet onto base and install cabinet into place.



MA9498i

### Faucet Control:

For faucet controller installation, refer to the install instructions included with kit.



Because we care.