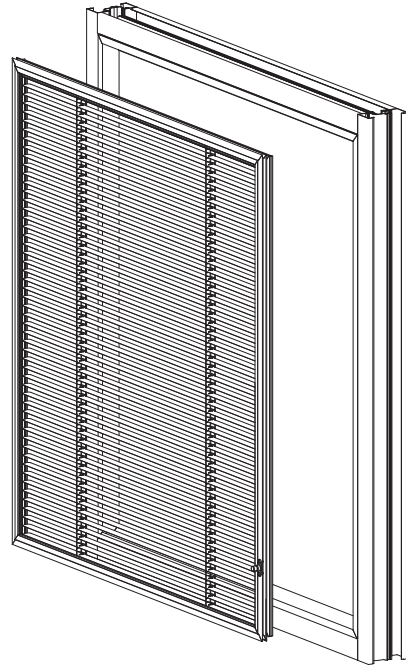

YPI 1500 ACCESS PANEL

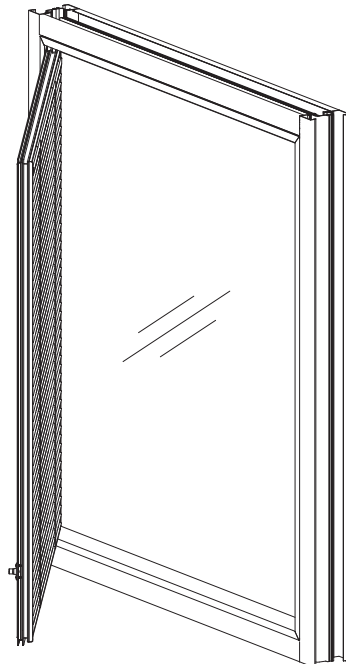
LIFT OUT

RECESSED FRAME
OVERLAP FRAME
SURFACE MOUNTED



PIVOT

RECESSED FRAME
OVERLAP FRAME
SURFACE MOUNTED



Installation Manual

TABLE OF CONTENTS

Installation Notes Page ii & iii

INSTALLATION

Accessories Page 1
Determine Frame and Glass Sizes Pages 2 to 5
Prep Frame for Perimeter Anchors Page 6
Assemble Frame Page 7
Install Frame Pages 8 to 11






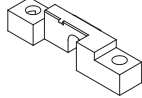
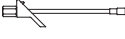
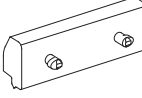

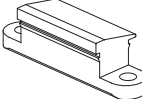
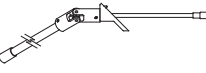

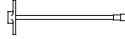
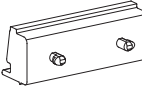

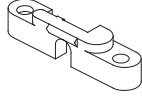
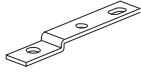
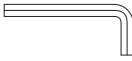
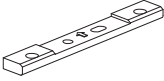
INSTALLATION NOTES

1. Do not drop, roll or drag boxes of aluminum framing. Move and stack boxes with proper support to prevent distortion. If fork lifts are used, be especially careful about striking the boxes when lifting or moving.
2. Store in a dry, out of the way area. If rain exposure, condensation or any water contact is likely, then all packaging material should be removed. Wet packaging materials will discolor and may stain aluminum finishes and paints.
3. All materials should be checked for quality and quantity upon receipt, YKK AP must be notified immediately of any discrepancies in shipment. Check to make sure that you have the required shims, sealants, supplies and tools necessary for the installation.
4. Carefully check the openings and surrounding conditions that will receive your material. Remember, if the construction is not per the construction documents, it is your responsibility to notify the general contractor in writing. Any discrepancies must be brought to the general contractor's attention before you proceed with the installation.
5. These installation instructions are of a general nature and may not cover every condition you will encounter. The shop drawings prepared should be specifically for the project.
6. Any material substitutions must be of equal or greater quality.
7. Make certain that material samples have been sent for compatibility and adhesion testing for all manufacturer's sealants involved. Make certain sealants have been installed in strict accordance with the sealant manufacturer's recommendations and specifications.
8. Remember to isolate, in an approved manner, all aluminum from uncured masonry or other incompatible materials.
9. System-to-structure fasteners are not supplied by YKK AP. Fasteners called out on shop drawings are to indicate minimum sizes for design loading.
10. If any questions arise concerning YKK AP products or their installation, contact YKK AP for clarification before proceeding.
11. YKK AP storefront and/or curtain wall framing is typically completed before drywall, flooring and other products which may still be in process. Wrap and protect the material when stored at job site.
12. Cutting tolerances are plus zero, minus one thirty second unless otherwise noted.
13. Check our website, www.ykkap.com, for the latest installation manual update prior to commencing work.

Important Notice for YPI 1500 Access Panel System:

The YPI 1500 Access Panel System is intended to provide heightened space occupant comfort by improving the thermal transmittance and the sound deadening characteristics of the glazing system. The use of blinds can also allow the occupant to control visible light transmittance through the glass. Condensation can occur on any surface when the surface temperature reached the location dew-point based on air temperature and relative humidity.

ACCESSORIES

	Tilt Knob Straight (Standard)	WACI-5005		Hook Lock	E1-1914
	Tilt Knob Extended Straight	WACI-5038		Hook Lock (RH)	E1-2914
	Tilt Knob Straight (7/16" Hex Knob)	WACI-5037		Lock Cover Use with PM-0808-SS Fasteners	E3-1136
	Tilt Knob Angled	WACI-5061		Guide Block	E3-1138
	Tilt Knob Vertical Mount Angled (7/16" Hex Knob)	WACI-5060		Sill Ramp Use with PF-1006-SS Fasteners	E3-1142
	Tilt Knob Vertical Mount Angled with Tilt Wand and U-Joint)	WACI-5063		Head Retainer Use with PF-0806MS-SS Fasteners	E3-1143
	Tilt Knob Surface Mount Low Profile	WACI-5045		Sill Retainer	E3-1144
	Tilt Knob Removeable Key Operator	WACI-5011		Lock Cover (RH) Use with PF-0808MS-SS Fasteners	E3-2136
	Pivot Base Top Use with PF-1006-SS Fasteners	E1-1912		Security Key 3/16" Socket Pin-Head	E1-1935
	Pivot Base Bottom Use with PF-1006-SS Fasteners	E3-1134			

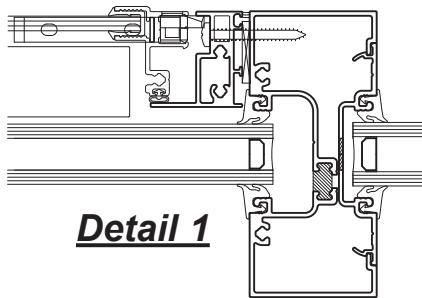
INSTALLATION

STEP 1 DETERMINE FRAME AND GLASS SIZES

There are three options for mounting the YPI 1500 frame into the glazing system frame:

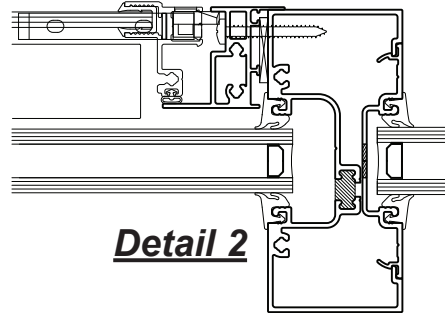
1. Recessed
2. Overlap
3. Surface Mounted

Size will depend on option selected.



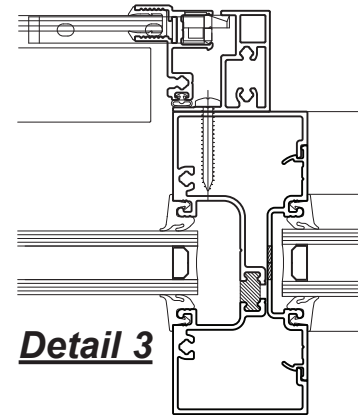
Detail 1

RECESSED



Detail 2

OVERLAP



Detail 3

**SURFACE
MOUNTED**

Frame Size Limitations

FRAME TYPE	WITHOUT BLINDS	1" BLINDS MIN.	1" BLINDS MAX.	5/8" BLINDS MIN.	5/8" BLINDS MAX.
Liftout 3/16" Standard Glazing	57" x 81"	13" x 16"	57" x 81"	13" x 16"	57" x 40" or 31" x 72"
Pivot 3/16" Standard Glazing	55" x 72"	13" x 16"	55" x 72"	13" x 16"	55" x 40" or 31" x 72"
Liftout 1/4" Optional Glazing	42" x 81"	13" x 16"	42" x 81"	13" x 16"	57" x 40" or 31" x 72"
Pivot 1/4" Optional Glazing	48" x 72"	13" x 16"	48" x 72"	13" x 16"	55" x 40" or 31" x 72"

Note: Blinds are not retractable for day-to-day use. Only maintenance or service personnel can retract the blinds.

INSTALLATION

STEP 1 (CONT.)

DETERMINE FRAME AND GLASS SIZES

Recessed Frame

Frame Size =

Width (AFW) = D.L.O. minus (-) 1/4"

Height (AFH) = D.L.O. minus (-) 1/4"

1/8" shim space required at jambs, head, and sill.

Glass Size =

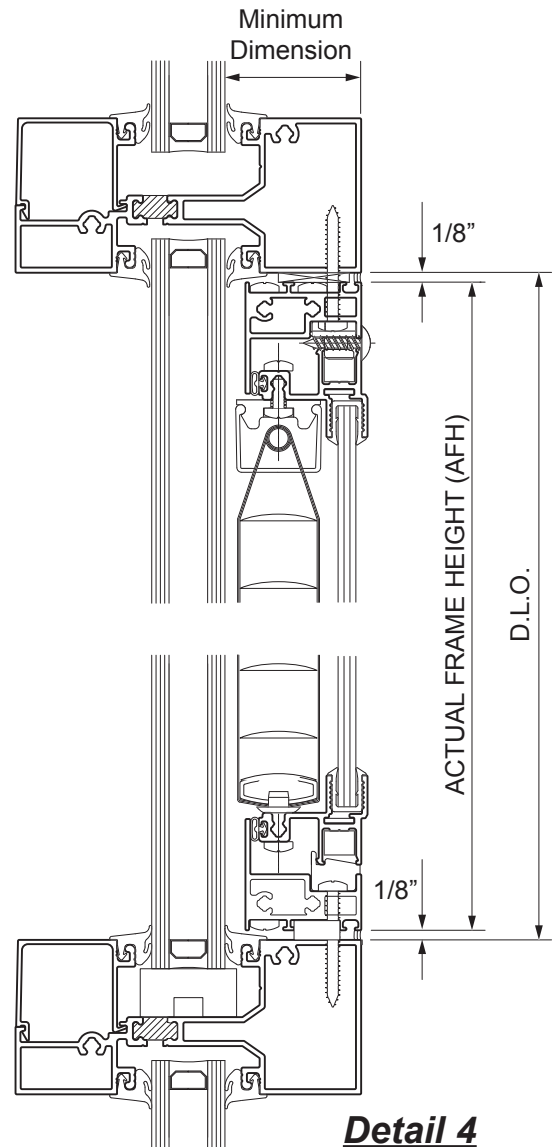
Width (AFW) minus (-) 3-1/4"

Height (AFH) minus (-) 3-1/4"

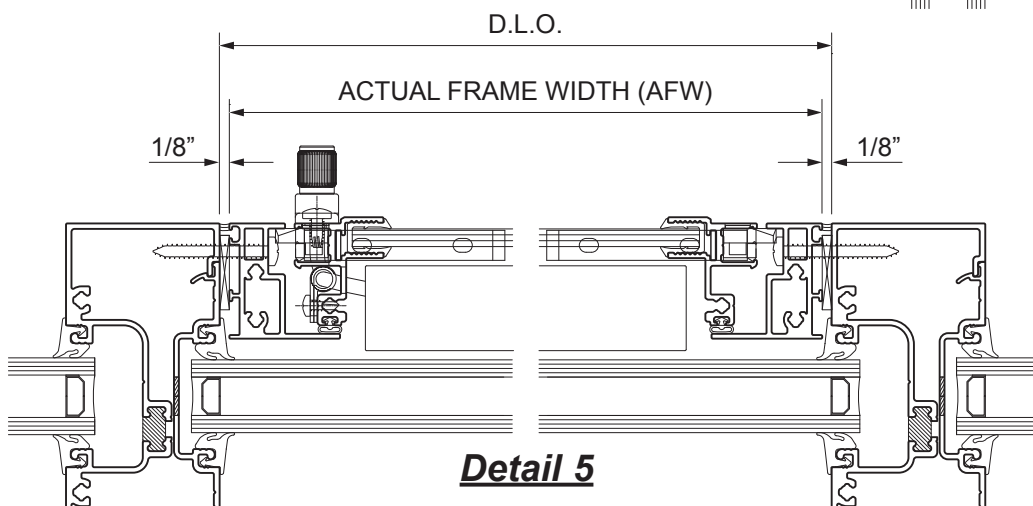
or

Width = D.L.O. minus (-) 3-1/2"

Height = D.L.O. minus (-) 3-1/2"



Detail 4



Detail 5

INSTALLATION

STEP 1 (CONT.) DETERMINE FRAME AND GLASS SIZES

Overlap Frame

Frame Size =

Width (AFW) = D.L.O. minus (-) 1/4"

Height (AFH) = D.L.O. minus (-) 1/4"

1/8" shim space required at jambs, head, and sill.

Glass Size =

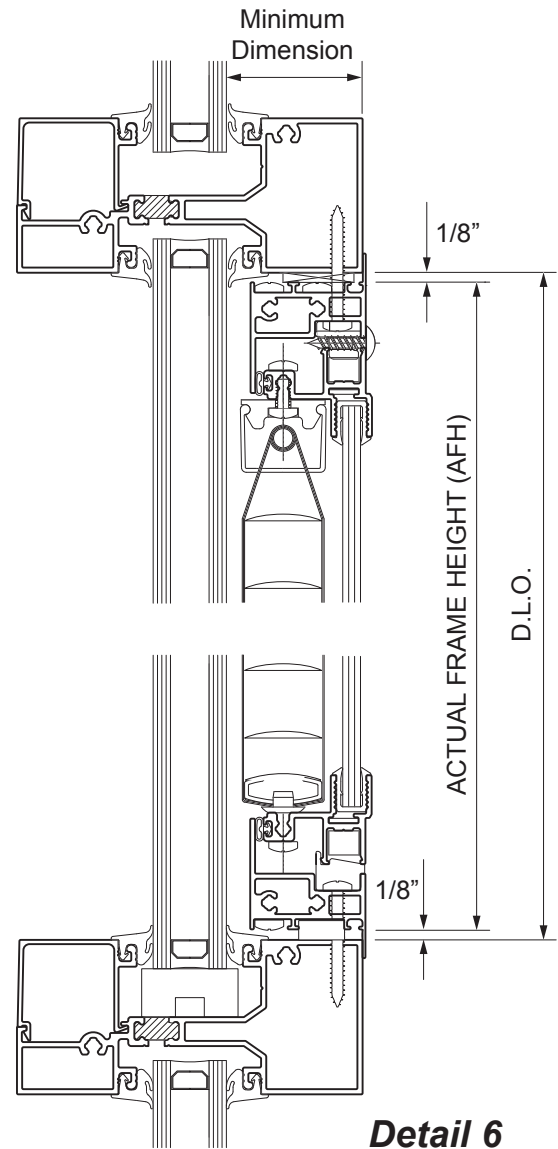
Width (AFW) minus (-) 3-1/4"

Height (AFH) minus (-) 3-1/4"

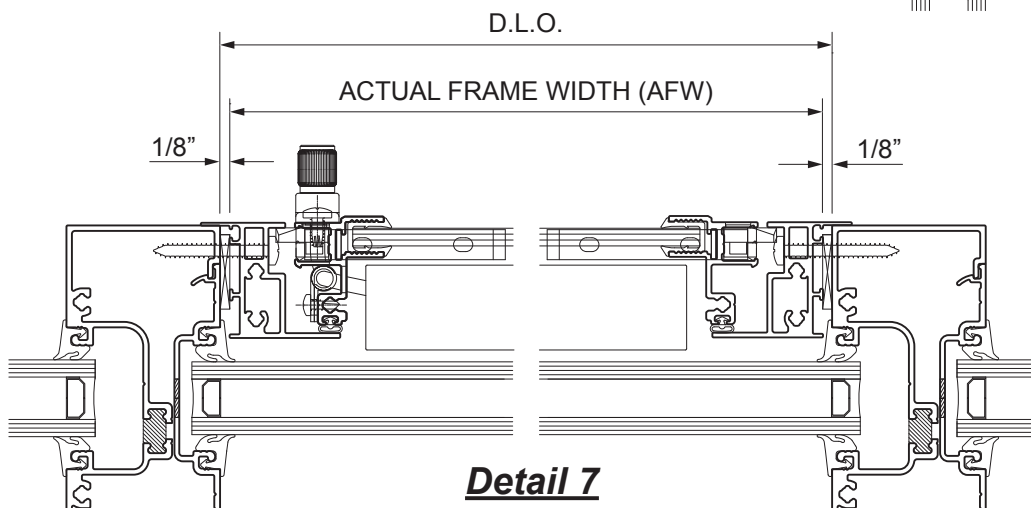
or

Width = D.L.O. minus (-) 3-1/2"

Height = D.L.O. minus (-) 3-1/2"



Detail 6



Detail 7

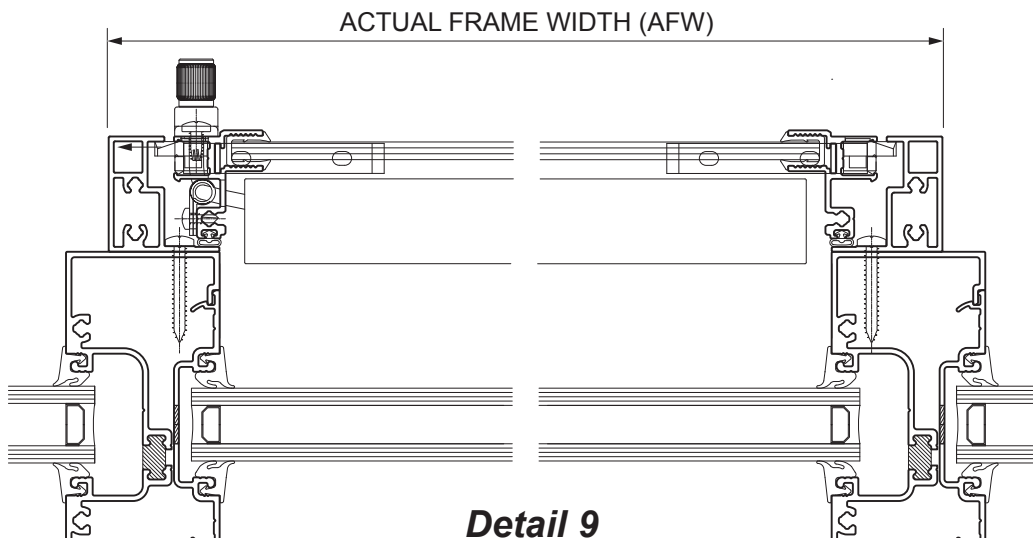
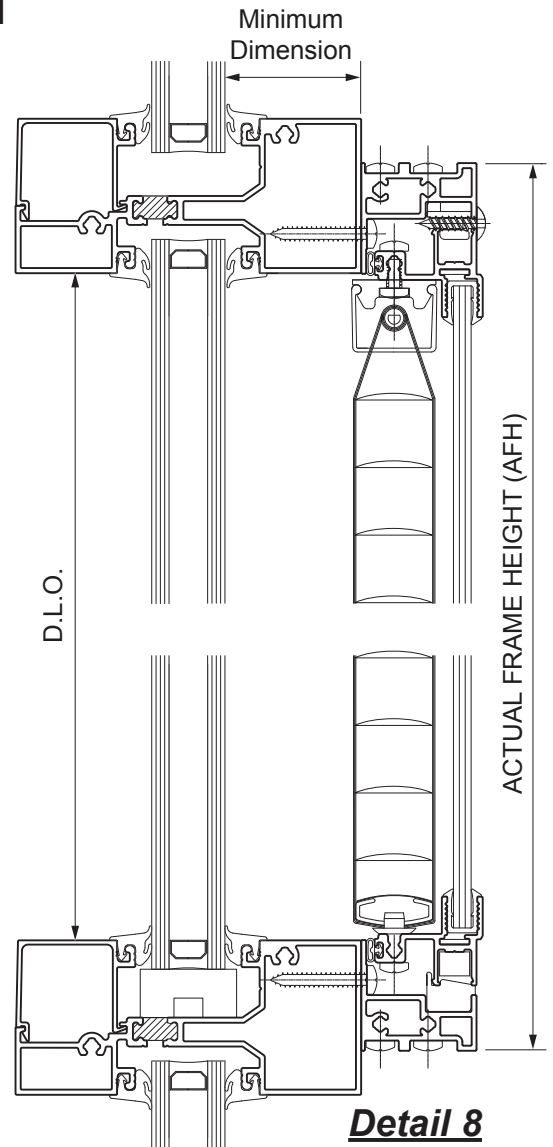
INSTALLATION

STEP 1 (CONT.) DETERMINE FRAME AND GLASS SIZES

Surface Mounted Frame

Frame Size =
 Width (AFW) = D.L.O. plus (+) 2-7/8"
 Height (AFH) = D.L.O. plus (+) 2-7/8"

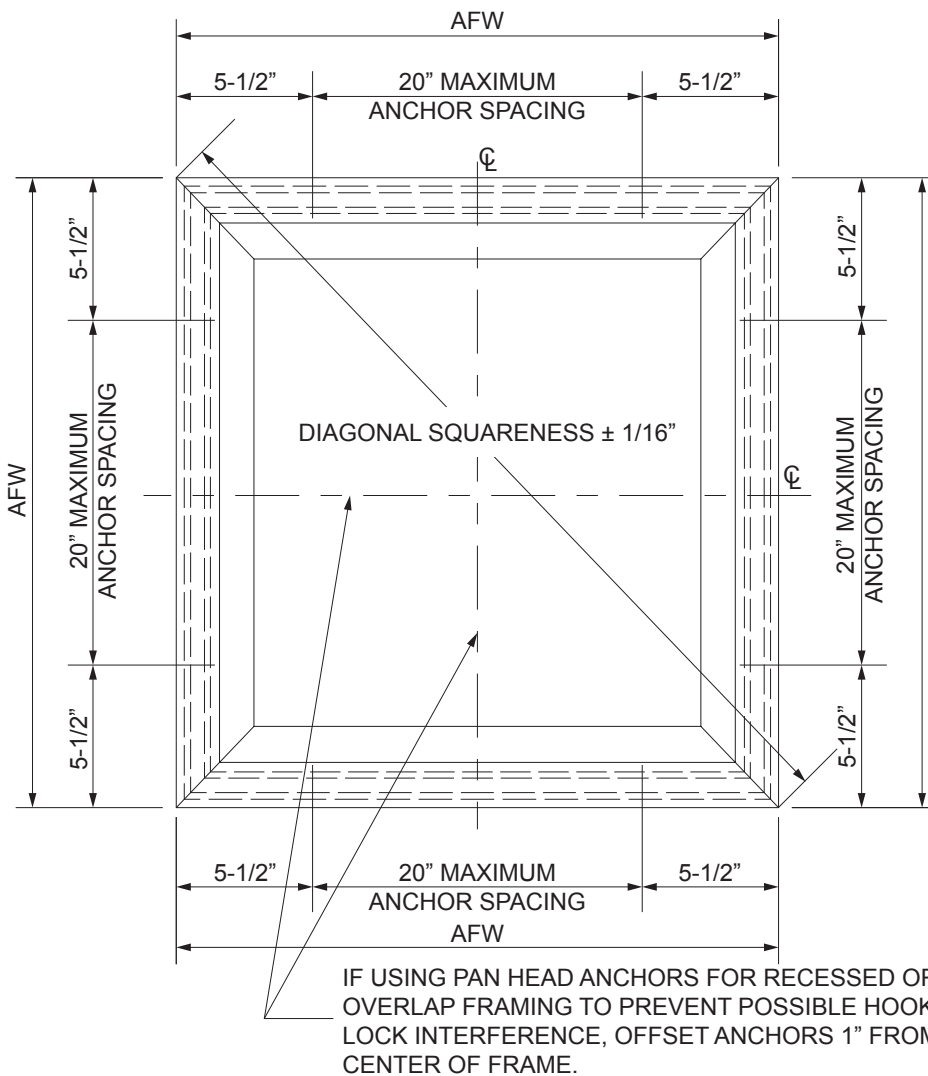
Glass Size =
 Width (AFW) minus (-) 3-1/4"
 Height (AFH) minus (-) 3-1/4"



INSTALLATION

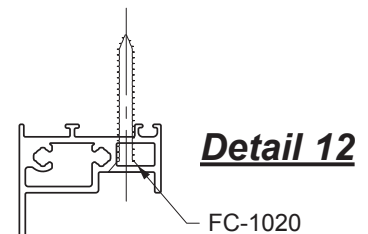
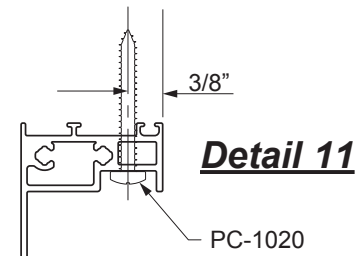
STEP 2 PREP FRAME FOR PERIMETER ANCHORS

- Perimeter anchors should be located 5-1/2" from ends and no more than 20" on center in between.
- Anchors should not be located at frame centerlines due to potential lock interference. If anchors fall at frame centerlines, they should be offset +or- 1" or countersunk.



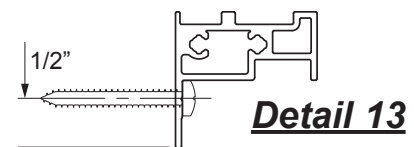
Detail 10

RECESSED AND OVERLAP FRAMING



#10 PAN HEAD OR FLAT HEAD
MAY BE USED IN RECESSED
OR OVERLAP FRAMING

SURFACE MOUNTED FRAMING



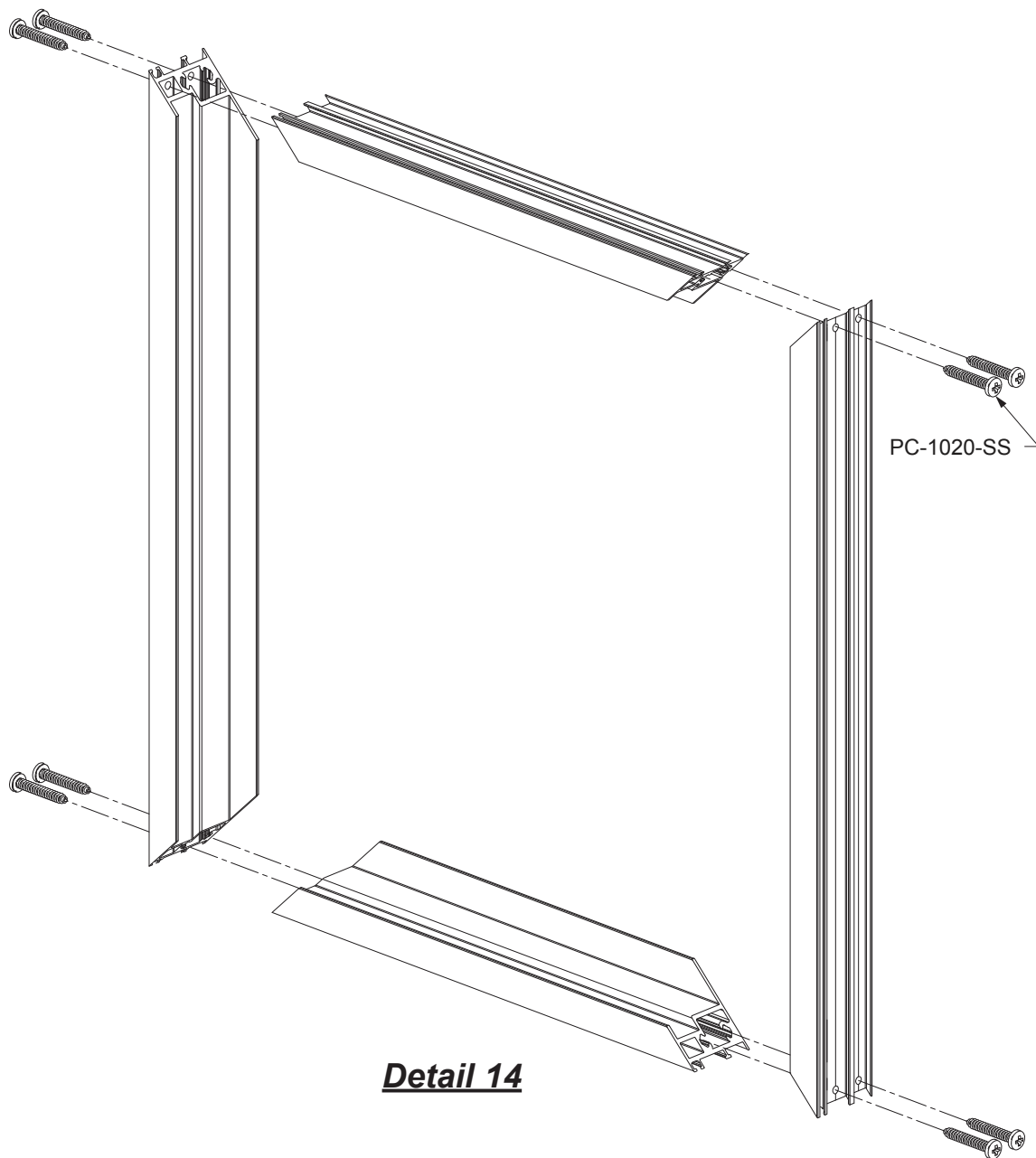
#10 PAN HEAD ONLY TO BE
USED ON SURFACE
MOUNTED

INSTALLATION

STEP 3 ASSEMBLE FRAME

-Line up head and sill frame members and assemble using two PC-1020-SS fasteners at each joint.
All 3 frame types assemble in the same manner.

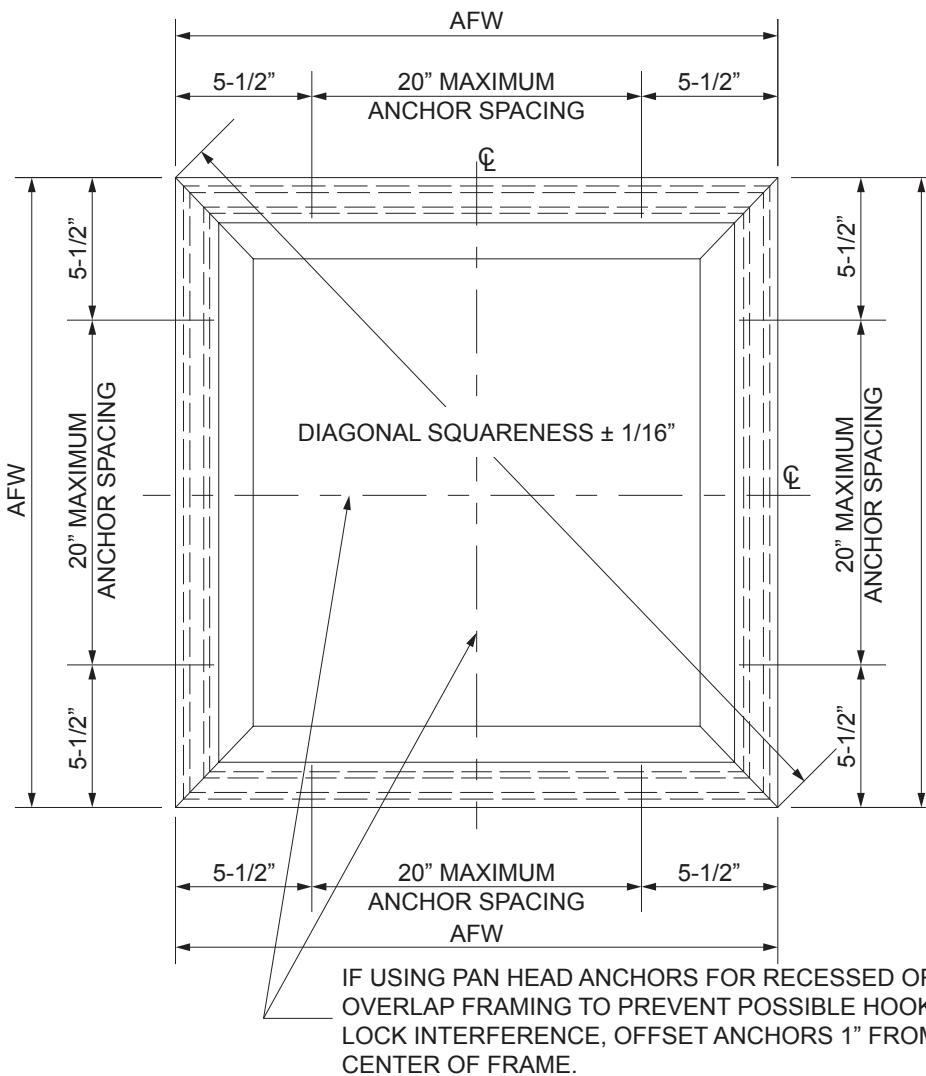
See **Detail 14**.



INSTALLATION

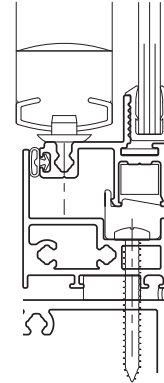
STEP 4 INSTALL FRAME

- Insert frame into opening.
- Shim to make sure frame is level and square.
- Measure frame diagonally to ensure frame is square. Diagonal measurement tolerance should be $\pm 1/16"$.
- Once frame is properly aligned, use frame anchor holes to drill into surrounding frame with #20 bit (.161").



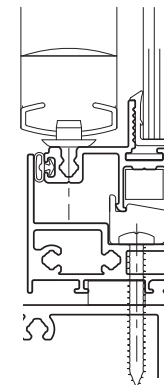
Detail 15

RECESSED FRAME



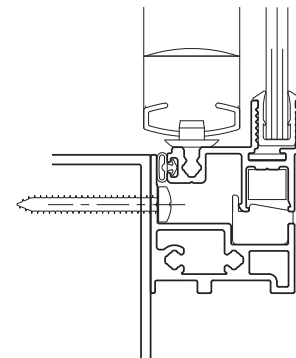
Detail 16

OVERLAP FRAME



Detail 17

SURFACE MOUNTED FRAME



Detail 18

INSTALLATION

STEP 5

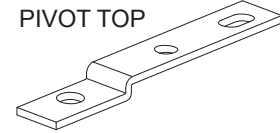
PIVOT ACCESS PANEL INSTALLATION

If liftout panel is used, proceed to Page 9.

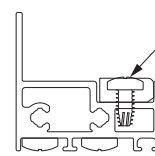
- Attach E3-1134 pivot base to sill of frame with 2 (two) PF-1006-SS fasteners as shown in **Detail 19**.
- Engage E1-1912 pivot top with top panel corner pivot.
- Lift and tilt panel and engage bottom panel corner pivot with pivot base at sill.
- Rotate panel up and align pivot top attachment holes with corresponding holes in the frame head and attach with 2 (two) PF-1006-SS fasteners.
- Remove shipping bands from blinds and lower blinds (if applicable).
- Secure panel in the closed position with E1-1935 hex key.

See **Details 20** and **21**.

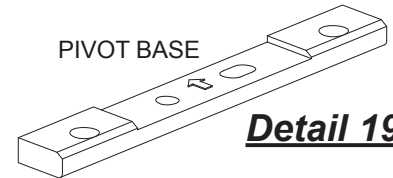
PIVOT TOP



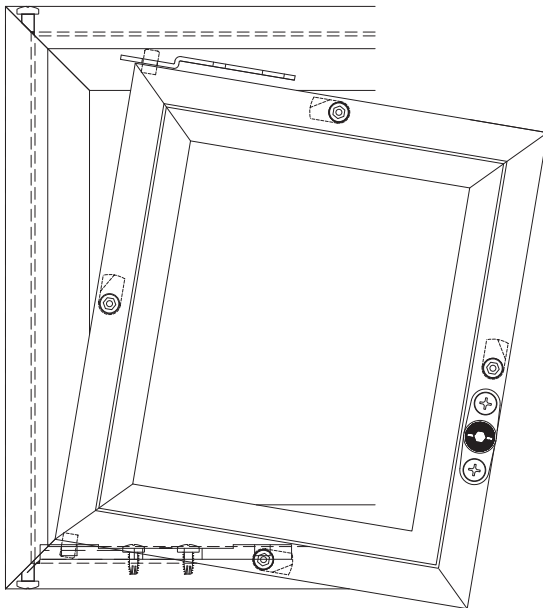
PF-1006-SS



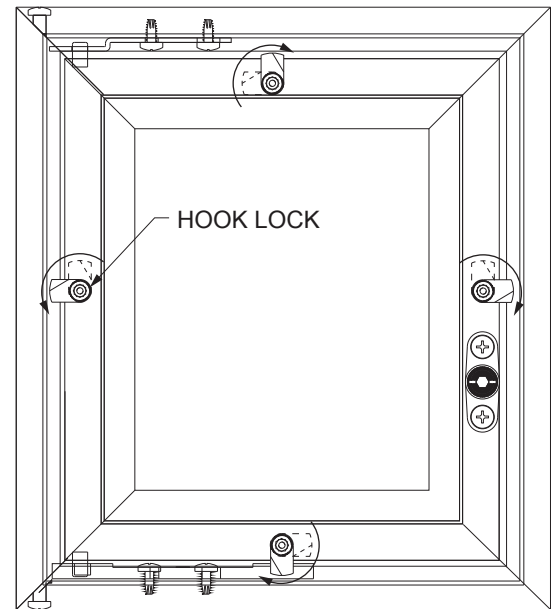
PIVOT BASE



Detail 19



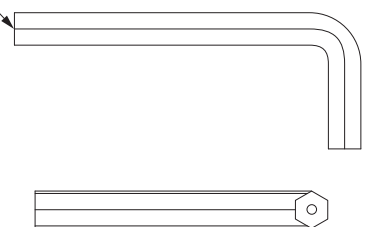
Detail 20



HOOK LOCK

E1-1935

Detail 21

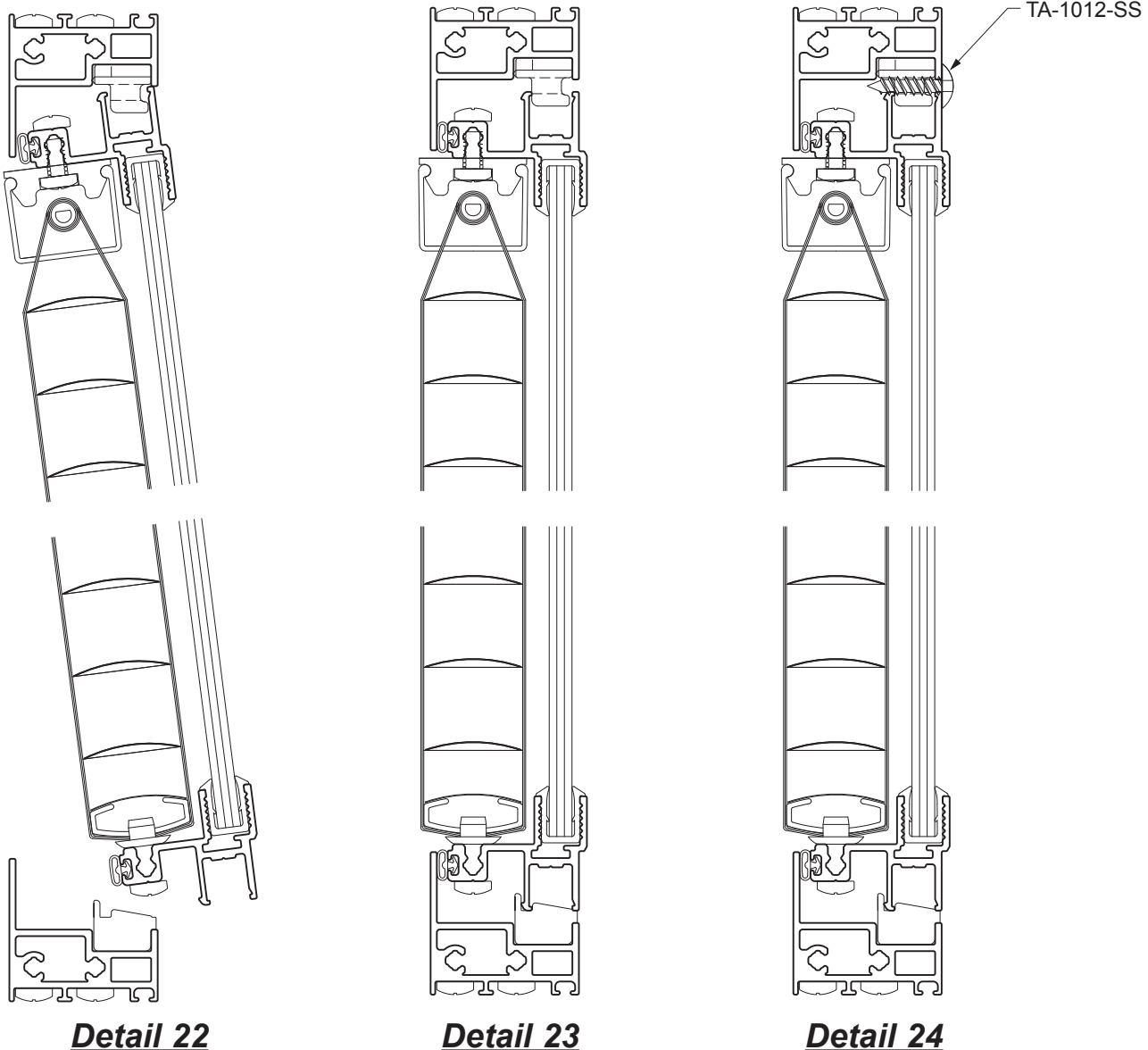


INSTALLATION

STEP 6 LIFT OUT ACCESS PANEL INSTALLATION

- Prior to installing panel, remove shipping bands and lower blinds (if applicable).
- Lift panel and engage panel head retainer channel with head retainer frame.
- Swing sill of panel towards frame and align panel sill retainer channel with sill retainer in frame.
- Lower the panel until it rests on the sill retainer in the frame.
- Adjust panel location within the frame to ensure uniform 1/8" clearance between panel and frame at head, sill, and jambs.
- Install two (2) TA-1012SS square drive self-drilling fasteners at the head of the panel as an anti-lift out feature. **DO NOT USE A POWER TOOL TO INSTALL THESE FASTENERS.**

See **Details 22** through **24**.



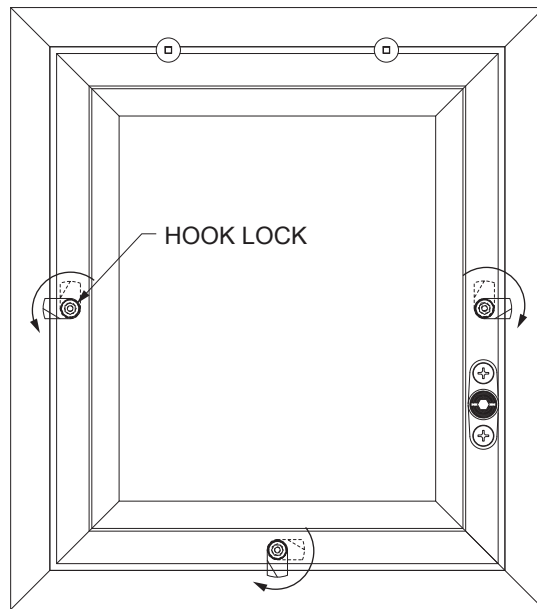
INSTALLATION

STEP 6 (CONT.)

LIFT OUT ACCESS PANEL INSTALLATION

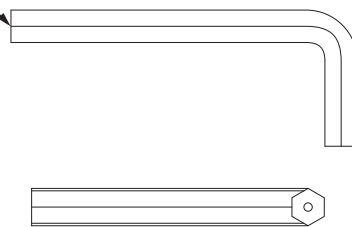
-Secure panel in the closed position with E1-1935 hex key.

See **Detail 25**.



E1-1935

Detail 25





101 Marietta Street NW
Suite 2100
Atlanta, Georgia 30303
www.ykkap.com