

# HFX SHEAR PANEL WALL HEIGHT OPTIONS

## OPTION 1: CUSTOM HEIGHT HFX SHEAR PANELS

#### **ADVANTAGES:**

- → Custom height to meet the specifics of a project
- → Simplest installation method for contractors
- → No additional out of plane bracing at HFX panel edges required

#### NOTES:

→ Refer to HFX Typical Installation Detail 5b on sheet HFX2

## OPTION 2: STANDARD HEIGHT HFX SHEAR PANEL W/ FILLER > 1 1/2 AND KING STUDS

#### **ADVANTAGES:**

- → Use standard height panels for non-standard height wall applications
- → Easily accommodate sloping top plate wall conditions
- → Leverage adjacent framing members for out of plane bracing
- → Applicable for height adjustments that require 13 ½" or less in the field

#### **NOTES:**

→ Refer to HFX Typical Installation Detail 6 on sheet HFX2

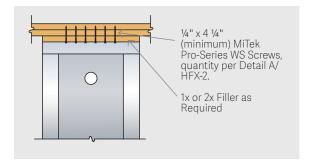
## OPTION 3: STANDARD HEIGHT HFX SHEAR PANEL W/ FILLER > 3 ½ AND MITEK FILLER BRACES (HFFB)

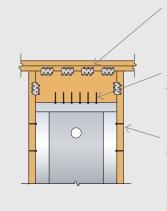
#### **ADVANTAGES:**

- → Use standard height panels for non-standard height wall applications
- → Eliminate the need for adjacent framing to minimize the width of the wall pier
- → Universal application for any model number and either edge of Panel
- → Applicable for height adjustments that require 13 ½" filler or less in the field

#### **NOTES:**

- → Applicable for single HFX Shear Panel or Brace Frames within a nominal 4" (e.g. 3 ½") wide wall
- → Filler Brace develops 85% of the out-of-plane capacity per ESR-2089
- → Allowable shear, drift and uplift values must be referenced assuming the full assembly height (e.g. bottom of HFX panel to top of the filler)
- → Refer to HFX Typical Installation Detail 6-ALT on sheet HFX2. Requires review and approval by the engineer of record prior to implementation.

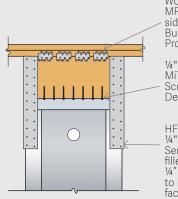




Wood filler with MiTek MP4F Connectors both sides, quantity per Building Design Professional.

1/4" x 3" (Minimum) MiTek Pro-Series WS Screws, quantity per Detail A/HFX-2.

Install ¼" diameter MiTek Pro-Series WS Screws through pre-punched holes in Panel edges into adjacent framing to brace out-of-plane hinge or when specified by the Building Design Professional.



Wood filler with MiTek MP4F Connectors both sides, quantity per Building Design Professional.

1/4" x 3" (Minimum) MiTek Pro-Series WS Screws, quantity per Detail A/HFX-2.

HFFB Filler Brace with ¼" x 1 ½" MiTek Pro-Series WS Screws to filler (fill all holes) and ¼" self -tapping screws to Panel (5 min. each face) to brace out-ofplane hinge or when specified by the Building Design Professional.

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