Anchoring and Flashing Details

These are typical connections recommended by the Cast Stone Institute for similar applications. Consult your engineer for size and connection requirement before ordering anchors.

DETAIL 1: "Z" STRAP ANCHOR @ HEADER

Typical "A" dimensions are 1"-2".
Typical "B" dimensions are 1"-2".
Typical "C" dimensions are from center of stone to the face of sheathing/outside face of wall structure.
Typical "D" dimensions are 3/4"-1".
Typical thru hole diameter is 1/16" larger than the fastner.
For example, using a 1/8" self tapping metal screw the diameter would be 5/32".

DETAIL 2: "L" STRAP W/ WELDED DOWEL PINS @ JAMB

Typical "A" dimensions are 1"-2".
Typical "B" dimensions are 1"-2".
Typical "C" dimensions are from center of stone to the face of sheathing/outside face of wall structure.
Typical "D" dimensions are 3/4"-1".
Typical thru hole diameter is 1/16" larger than the fastner.
For example, using a 1/8" self tapping metal screw the diameter would be 5/32". Typical dowel hole size is 1/8" larger than pin.
Anchoring and Flashing Details

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DETAIL 3-"L" STRAP W/ WELDED DOWEL PIN @ SILL

Typical "A" dimensions are 1"-2".
Typical "B" dimensions are 1"-2".
Typical "C" dimensions are from center of stone to the face of sheathing/outside face of wall structure.
Typical "D" dimensions are \( \frac{3}{4} \)-1".
Typical thru hole diameter is \( \frac{5}{16} \)" larger than the fastner.
For example, using a \( \frac{1}{2} \)" self tapping metal screw the diameter would be \( \frac{5}{16} \). Typical dowel hole size is \( \frac{3}{8} \)" larger than pin.

DETAIL 4-"SPLIT TAIL" STRAP @ VENEER

Typical "A" dimensions are 1"-2".
Typical "B" dimensions are 1"-2".
Typical "C" dimensions are from center of stone to the face of sheathing/outside face of wall structure.
Typical "D" dimensions are \( \frac{3}{4} \)-1".
Typical thru hole diameter is \( \frac{5}{16} \)" larger than the fastner.
For example, using a \( \frac{1}{2} \)" self tapping metal screw the diameter would be \( \frac{5}{16} \).
Anchoring and Flashing Details

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DETAIL 5 - "L" STRAP W/ WELDED DOWEL PINS @ COPING

Typical "A" dimensions are 1"-2". Typical "B" dimensions are 1"-2". Typical "C" dimensions are from center of stone to the face of sheathing/outside face of wall structure. Typical "D" dimensions are 3/4"-1". Typical thru hole diameter is \( \frac{1}{16} \) larger than the fastener.

For example, using a \( \frac{1}{4} \) self tapping metal screw the diameter would be \( \frac{5}{64} \). Typical dowel hole size is \( \frac{3}{16} \) larger than pin.

DETAIL 6 - WELDED DOWEL PIN AND PLATE @ COPING

Typical "A" dimensions are 2"-3", with the most common being 2". Typical diameter varies from \( \frac{3}{8} \)-1" depending on the size of the stone. Most commonly used are \( \frac{3}{16} \) diameter x2"LG. Field drill 1" diameter x2" hole and fill with epoxy. Typical dowel hole size is \( \frac{5}{32} \) larger than pin.
Anchoring and Flashing Details
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DETAIL 7-DOWEL PIN @ COPING

Typical "A" dimensions are 2"-6", with the most common being 4". Typical diameter varies from 3/4"-1" depending on the size of the stone. Most commonly used are 3/4" diameter x 4" LG. Field drill 1" diameter x 2" deep hole in to filled CMU and fill with non-shrink grout. Typical dowel hole size is 3/4" larger than pin.

DETAIL 8-FERRULE LOOP INSERT @ HEADER AND SOFFET

Typical "A" dimensions are 3/8"-1", with the most common being 3/4".
Anchoring and Flashing Details

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DETAIL 9-COIL LOOP LIFTING INSERT @ CORNICE

Typical "A" dimensions are \( \frac{3}{8} \)-1", with the most common being \( \frac{3}{4} \). After installation, the installer, must repair lifting insert void with patch material from the cast stone manufacturer.

DETAIL 10-FIELD CUT REGLET

Typical installer field cut reglet. This should be cut at a 45° angle, 1"-2" deep and \( \frac{3}{4} \)" wide. Fill with construction adhesive and add flashing by installer.