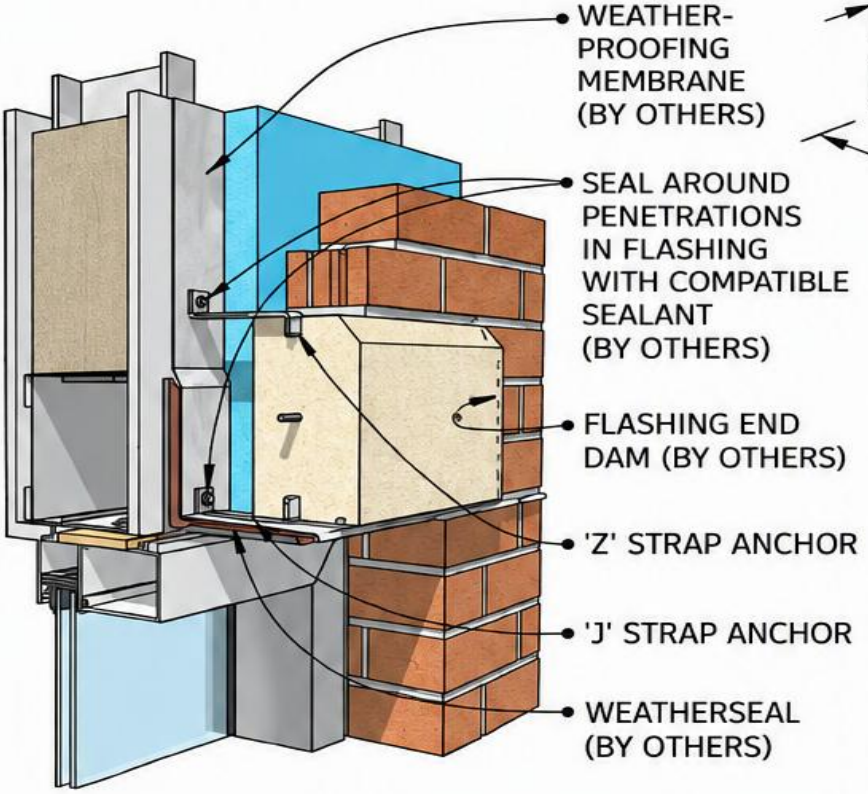
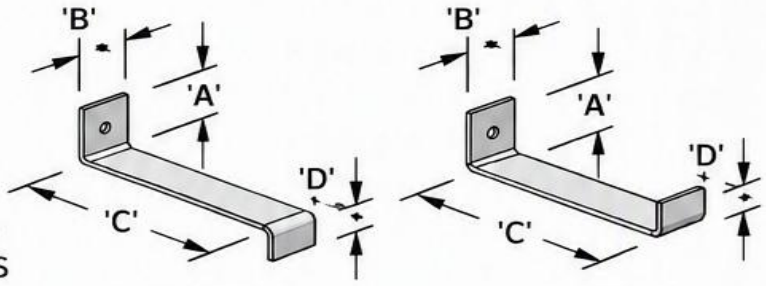
Anchoring and Flashing

Shown below are recommended connections by the Cast Stone Institute for applying cast stone to structures. Consult with your engineer on requirements before ordering anchors.

DETAIL 1 - 'Z' & 'J' STRAP ANCHOR @ HEADER





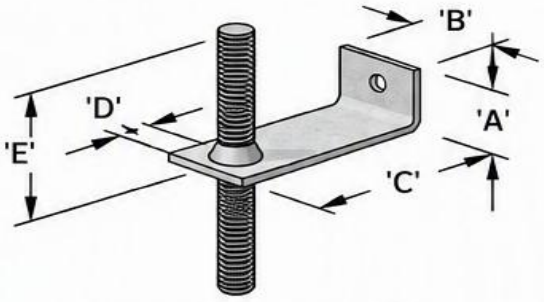
'Z' STRAP ANCHOR

'J' STRAP ANCHOR

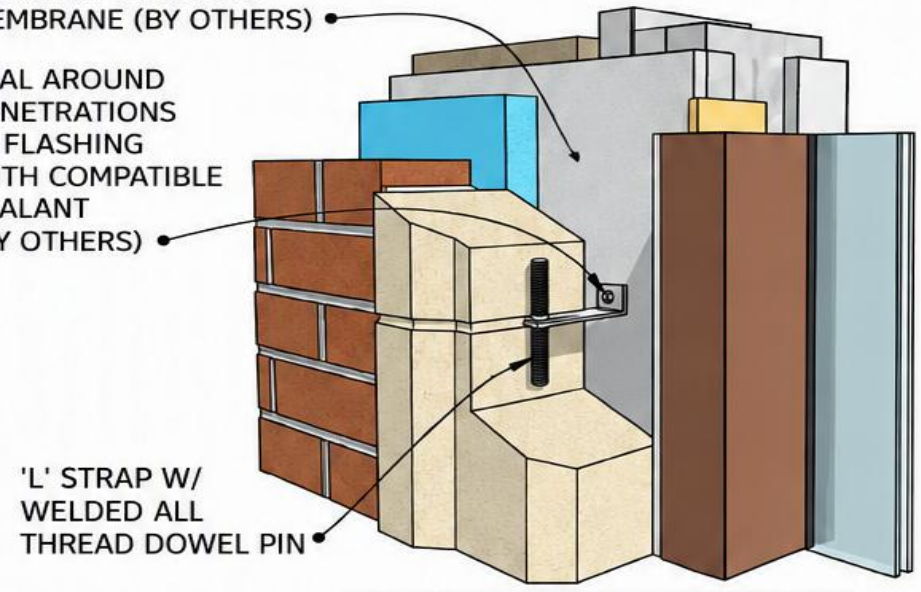
- Strap sizes per engineering requirements
- Typical 'A' dimensions are 1"-2".
- Typical 'B' dimensions are 1"-2".
- Typical 'C' dimensions are from center of stone to the face of the sheathing/outside face of wall structure.
- Typical 'D' dimensions are 3/4"-1".
- Typical thru hole diameter is 1/16"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

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DETAIL 2 - 'L' STRAP W/ WELDED ALL THREAD DOWEL PIN @ JAMB



'L' STRAP W/ WELDED ALL THREAD DOWEL PIN

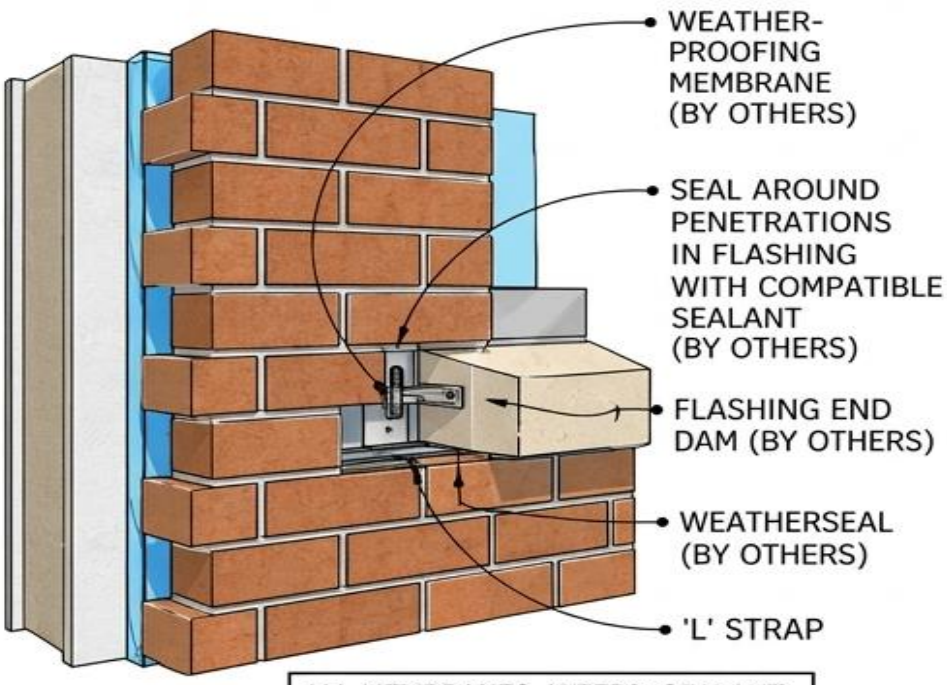


- Strap sizes per engineering requirements
- Typical 'A' dimensions are 1"-2".
- Typical 'B' dimensions are 1"-2".
- Typical 'C' dimensions are from center of stone to the face of the sheathing/outside face of wall structure.
- Typical 'D' dimensions are 3/4"-1".
- Typical 'E' dimensions are 1-1/2"-2".
- Typical thru hole diameter is 1/16" larger than the fastener diameter. For example, using a 1/4"ø self tapping metal screw, the diameter would be 5/16"ø.

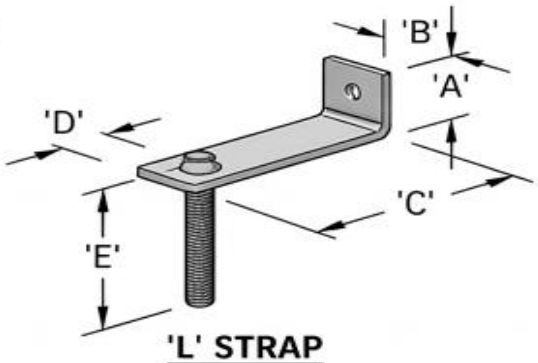
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Anchoring and Flashing

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



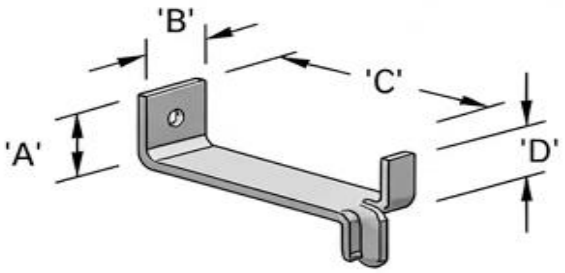
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'L' STRAP

- Strap sizes per engineering requirements
- Typical 'A' dimensions are 1"-2".
- Typical 'B' dimensions are 1"-2".
- Typical 'C' dimensions are from center of stone to the face of the sheathing/outside face of wall structure.
- Typical 'D' dimensions are 3/4"-1".
- Typical thru hole diameter is 1/16" larger than the fastener diameter. For example, using a 1/4"φ self tapping metal screw, the diameter would be 5/16"φ.
- Typical thru hole size is 1/2" larger than the welded pin diameter.

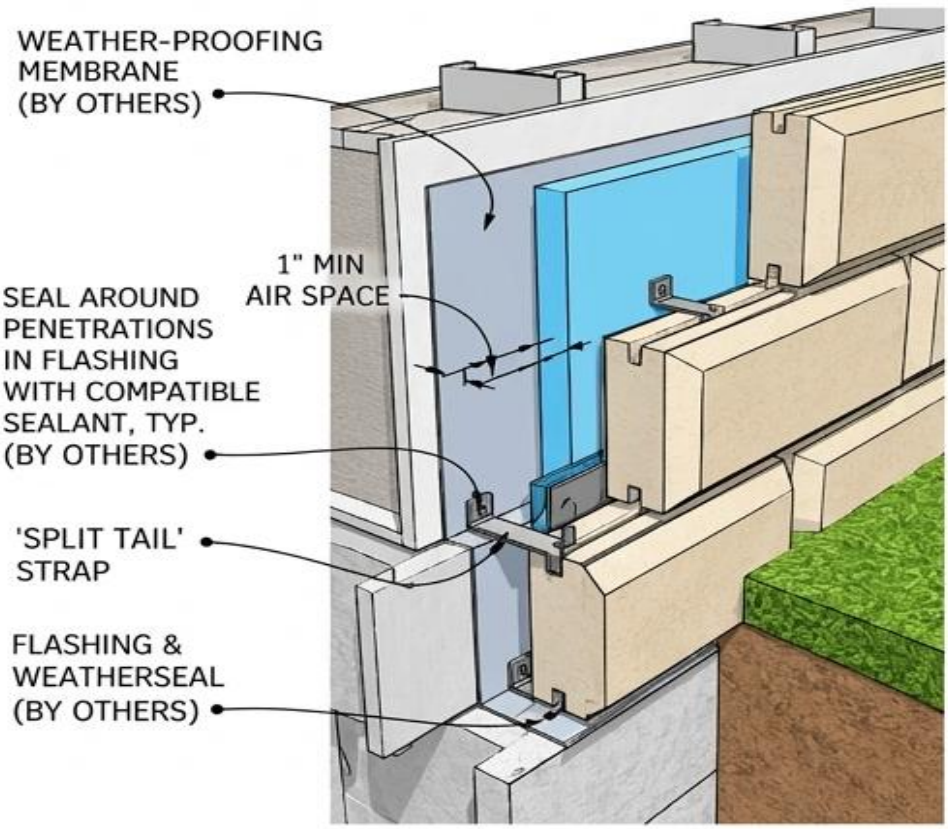
DETAIL 4 - 'SPLIT TAIL' STRAP @ VENEER



'SPLIT TAIL' STRAP

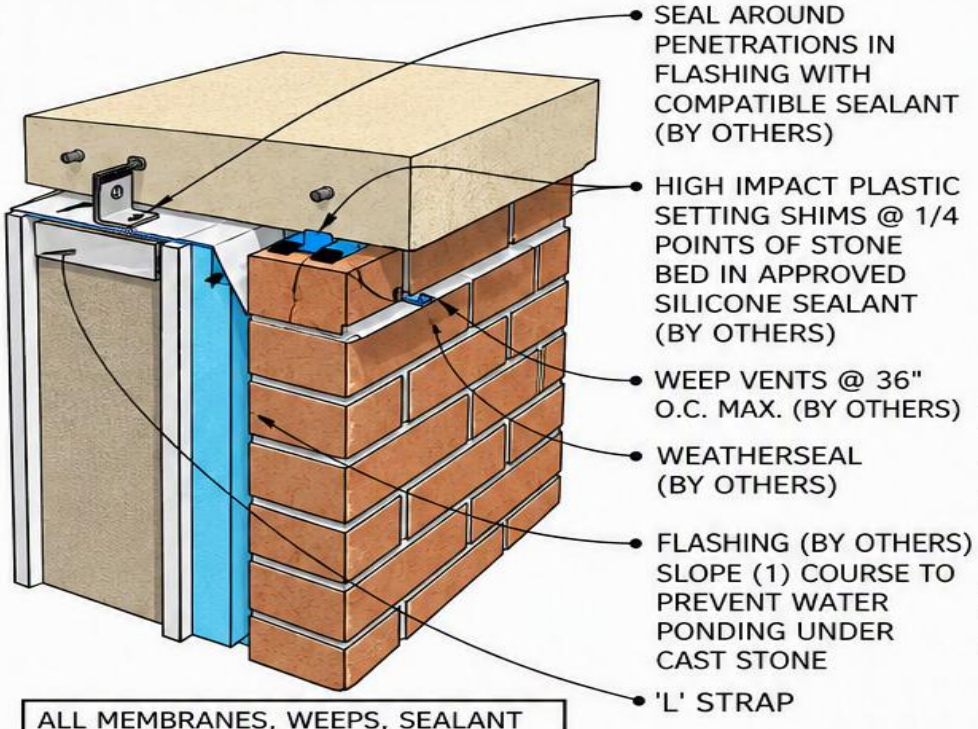
- Strap sizes per engineering requirements
- Typical 'A' dimensions are 1"-2".
- Typical 'B' dimensions are 1"-2".
- Typical 'C' dimensions are from conter of stone to the face of the sheathing/outside face of wall structure.
- Typical 'D' dimensions are 3/4"-1".
- Typical thru hole dlameter is 1/16" larger than the fastener diameter. For example, using a 1/4"φ self tapping metal screw, the diameter would be 5/16"φ.

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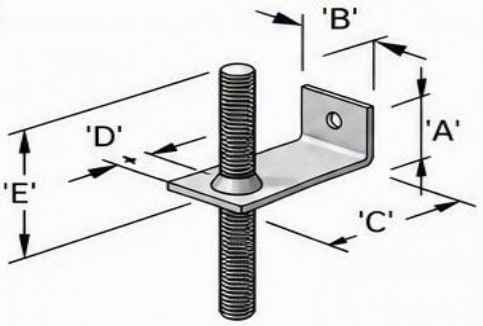


Anchoring and Flashing

DETAIL 5 - 'L' STRAP W/ WELDED DOWEL PIN @ COPING



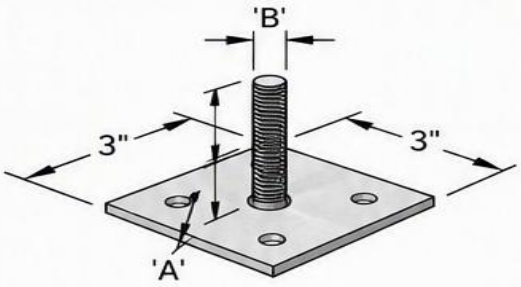
ALL MEMBRANES, WEEPS, SEALANT & FLASHING PER PROJECT MOISTURE CONTROL CONSULTANT



'L' STRAP W/ WELDED ALL THREAD DOWEL PIN

- Strap sizes per engineering requirements
- Typical 'A' dimensions are 1"-2".
- Typical 'B' dimensions are 1"-2".
- Typical 'C' dimensions are from center of stone to the face of the sheathing/outside face of wall structure.
- Typical 'D' dimensions are 3/4"-1".
- Typical 'E' dimensions are 1-1/2"-2".
- Typical thru hole diameter is 1/16" larger than the fastener diameter. For example, using a 1/4"φ self tapping metal screw, the diameter would be 5/16"φ.

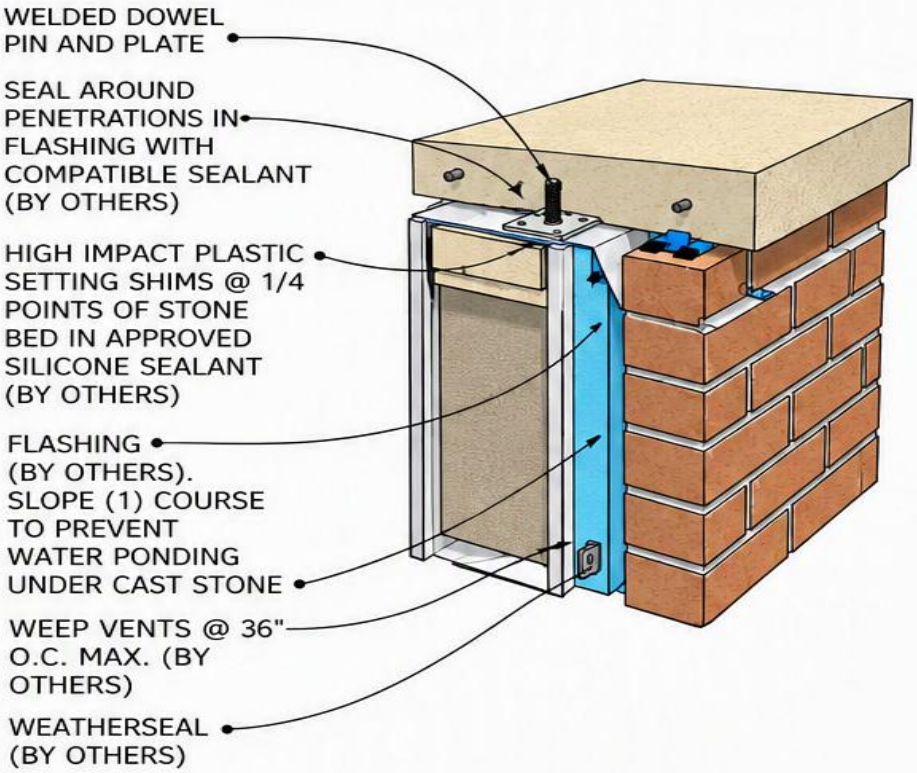
DETAIL 6 - WELDED DOWEL PIN AND PLATE @ COPING



WELDED DOWEL PIN AND PLATE

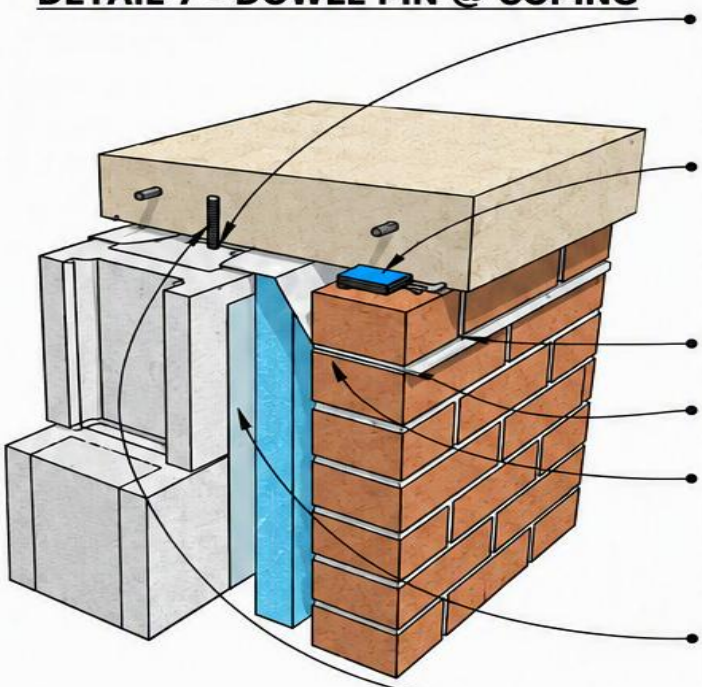
- Strap sizes per engineering requirements
- Typical 'A' dimensions are 2"-3".
- Typical 'B' dimensions are 3/8"φ-1"φ with the most common size being 1/2"φ.
- Typical dowel hole size is 1/2" larger than dowel pin.

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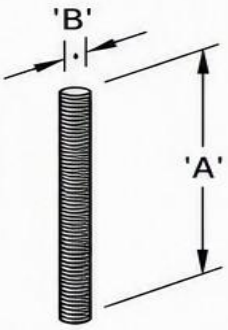
Anchoring and Flashing

DETAIL 7 - DOWEL PIN @ COPING



- SEAL AROUND PENETRATIONS IN FLASHING WITH COMPATIBLE SEALANT (BY OTHERS)
- HIGH IMPACT PLASTIC SETTING SHIMS @ 1/4 POINTS OF STONE BED IN APPROVED SILICONE SEALANT (BY OTHERS)
- WEEP VENTS @ 36" O.C. MAX. (BY OTHERS)
- WEATHERSEAL (BY OTHERS)
- FLASHING (BY OTHERS) SLOPE (1) COURSE TO PREVENT WATER PONDING UNDER CAST STONE
- WATERPROOFING MEMBRANE (BY OTHERS)
- DOWEL PIN

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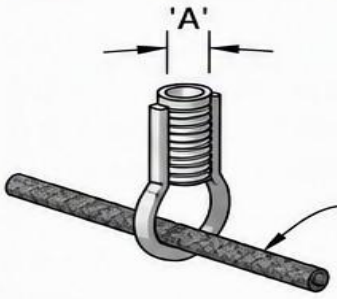


DOWEL PIN

- Pin sizes per engineering requirements
- Typical 'A" dimensions are 2'-6" with the most common being 4'.
- Typical 'B' dimensions are 3/8"ϕ-1" depending on the size of the stone. The most commonly used are 1/2"ϕx4"LG. Field drill 1"ϕx2" deep hole into filled CMU and fill with non-shrink grout. The typical hole size is 1/2" larger than the dowel pin.

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DETAIL 8 - FERRULE LOOP INSERT @ HEADER AND SOFFIT

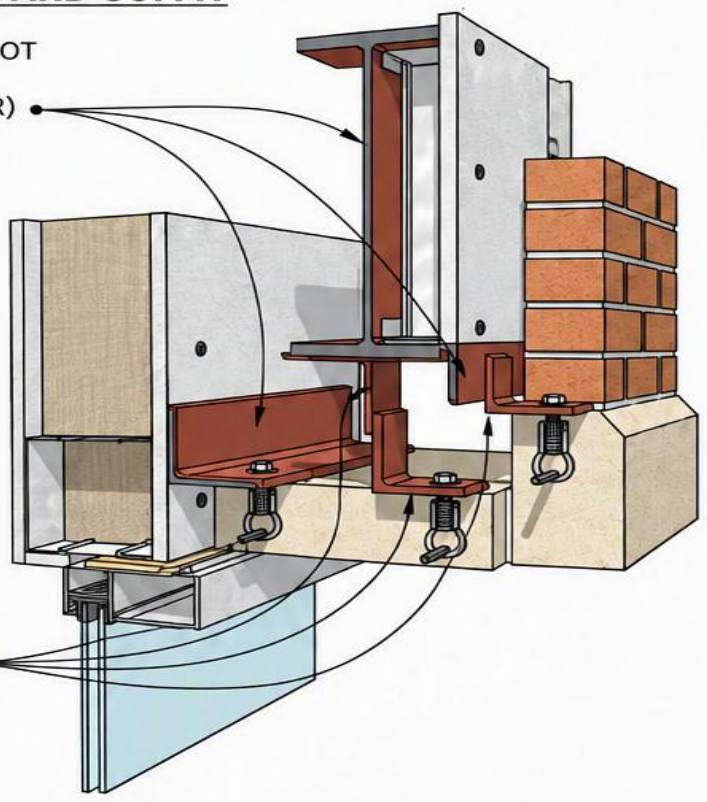


- REBAR PER ENGINEER'S REQUIREMENTS

NC FERRULE LOOP INSERT

- NC Ferrule Loop sizes per engineering requirements
- Typical 'A' dimensions are 3/8"ϕ-1"ϕ with the most common size being 1/2"ϕ.

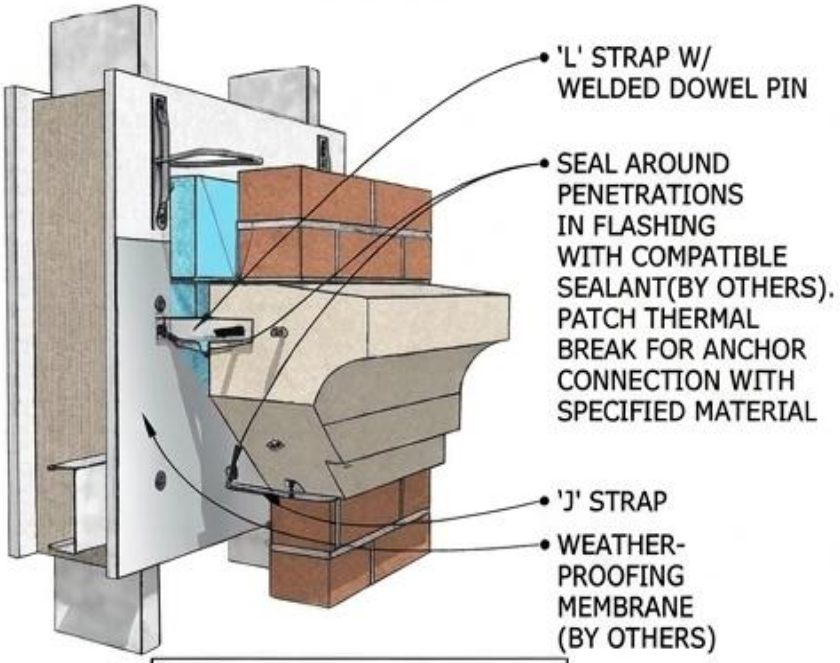
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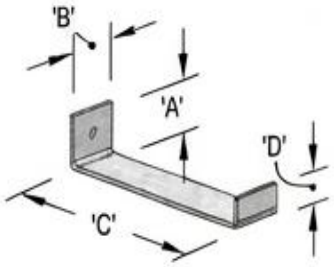
- (BY OTHERS - NOT CAST STONE MANUFACTURER)
- CLIP ANGLES AS SPECIFIED BY ENGINFFD

Anchoring and Flashing

DETAIL 9 - TYPICAL ANCHORAGE @ CORNICE



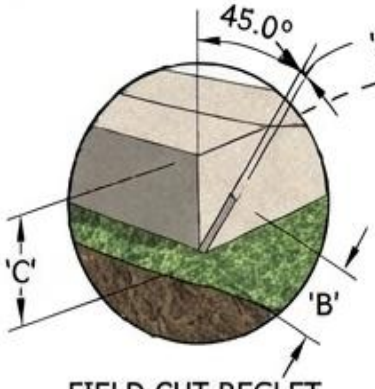
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'J' ANCHOR

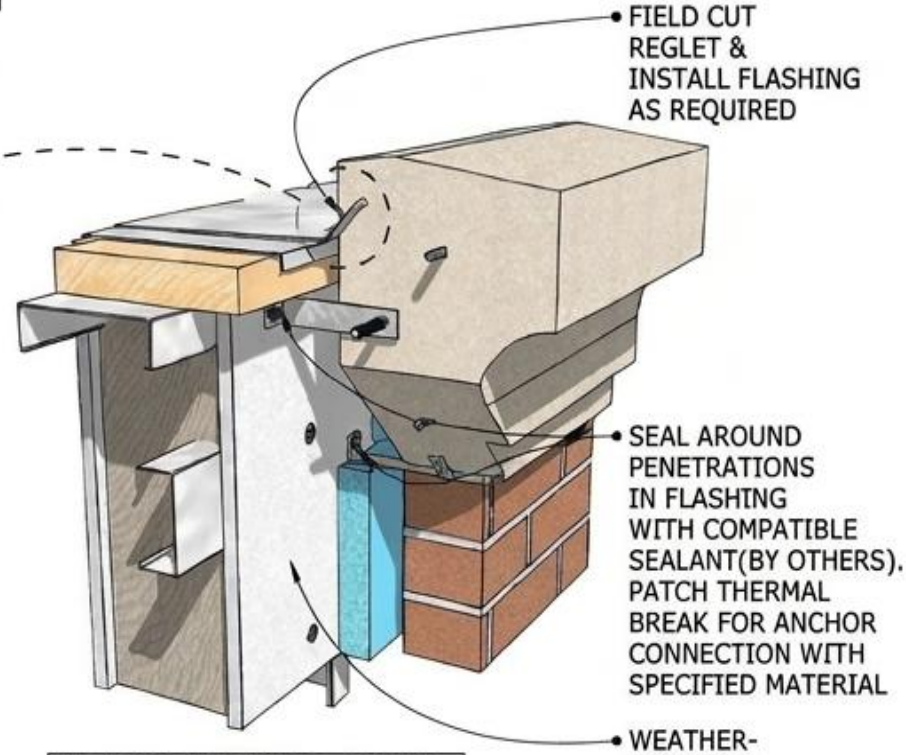
- Strap sizes per engineering requirements
- Typical 'A' dimensions are 1"-2".
- Typical 'B' dimensions are 1"-2".
- Typical 'C' dimensions are from center of stone to the face of the sheathing/outside face of wall structure.
- Typical 'D' dimensions are 3/4"-1".
- Typical thru hole diameter is 1/16"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

DETAIL 10 - FIELD CUT REGLET



FIELD CUT REGLET

- Typical installer field cut reglet. Fill with construction adhesive and add flashing by installer.
- Typical 'A' dimensions are 1/4"-1/2".
- Typical 'B' dimensions are 1"-2".
- Minimum 'C' dimension is 3".



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