

SAMPLE PERFORMANCE EXAM ASSIGNMENT



ARCHITECTURAL METAL FLASHINGS AND ACCESSORIES



NRCA
PROCertification®

NATIONAL ROOFING CONTRACTORS ASSOCIATION

09-2023





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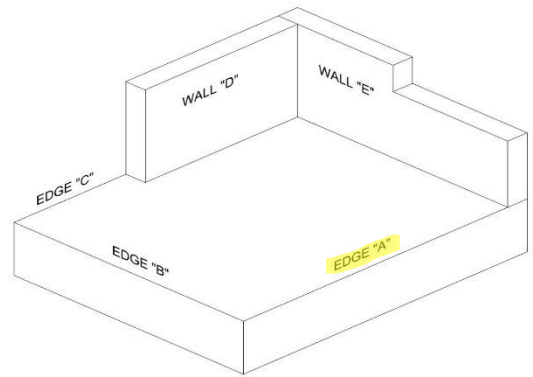
ProCertification® Architectural Metal Flashings and Accessories

Sample Performance Exam Assignment

ProCertification candidates are encouraged to know common details practiced in the U.S. NRCA provides this **Architectural Metal Flashings and Accessories Sample Assignment** for candidates to review and practice; they may be asked to perform a similar detail during the assessment to earn their professional designation of ProCertified® Architectural Metal Flashings and Accessories Installer. Candidates should set a goal of completing the sample assignment in four hours.

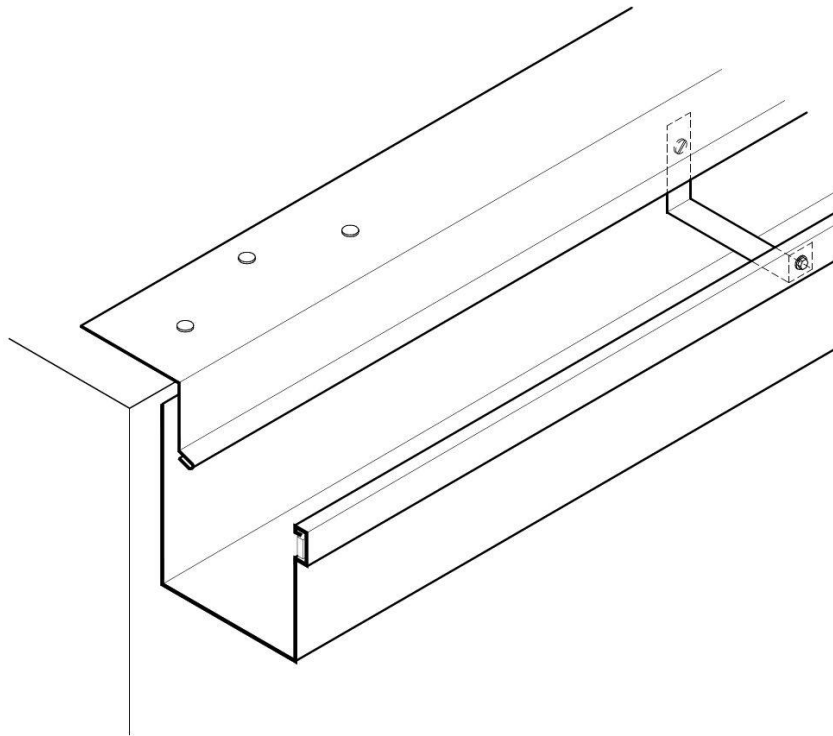
The assessment is a timed event where both quality and productivity are important. The qualified assessor can answer any questions before the exam.

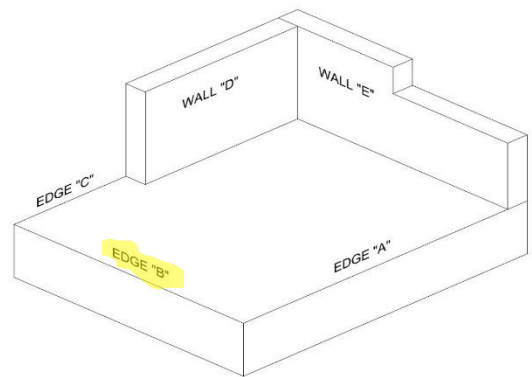
**The images shown depict specific details the assessor may ask the installer to perform. They do not in any way represent how an installer would typically lay out a real job where these details may be different. The purpose of this assignment is to verify an installer has the ability to perform these skills practiced nationwide.*



PART 1: GUTTER WITH L-TYPE DRIP EDGE METAL

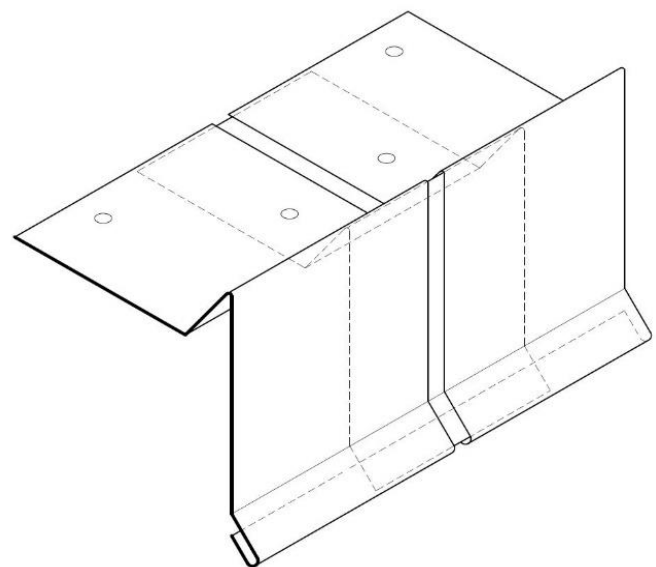
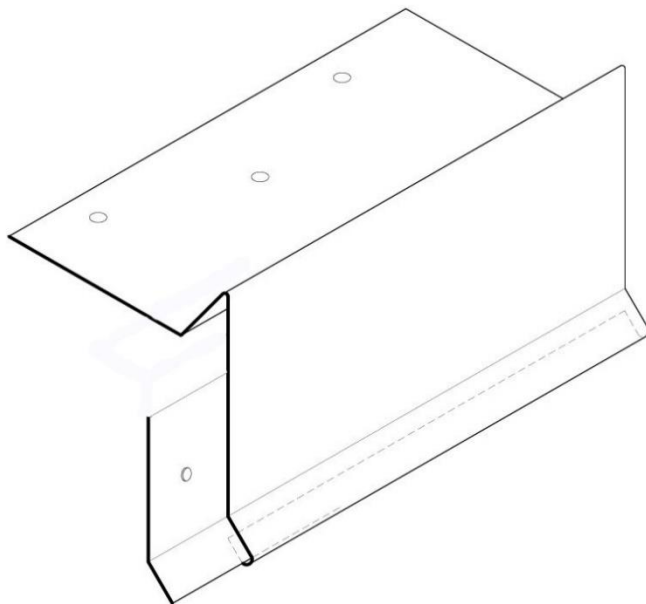
1. Install a 5-inch Style A box gutter using two pieces.
2. Slope = minimum 1/8 of an inch per foot
3. Install an L-type drip edge metal gutter flashing using two pieces.

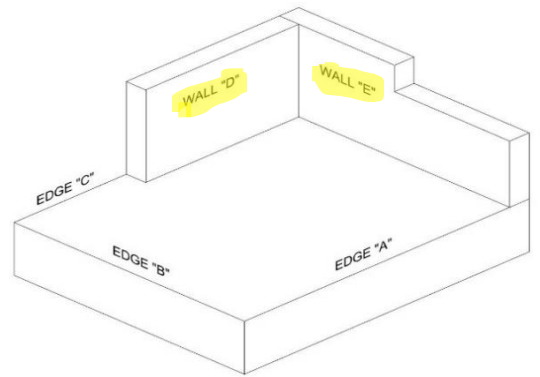




PART 2: A-TYPE EMBEDDED EDGE METAL WITH CONTINUOUS CLEAT AND BACKER PLATE SEAM

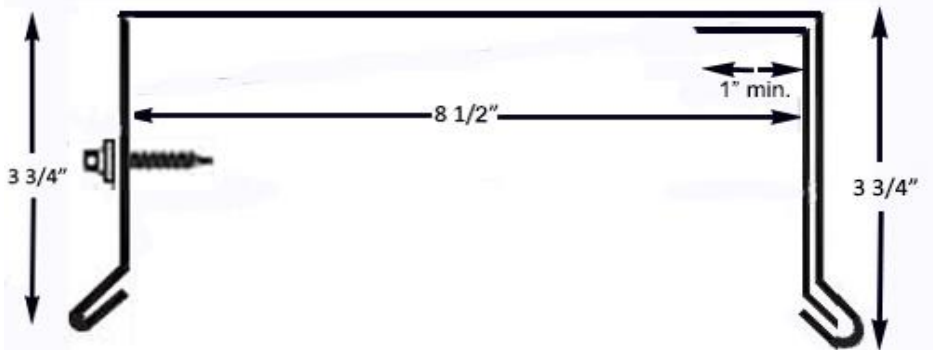
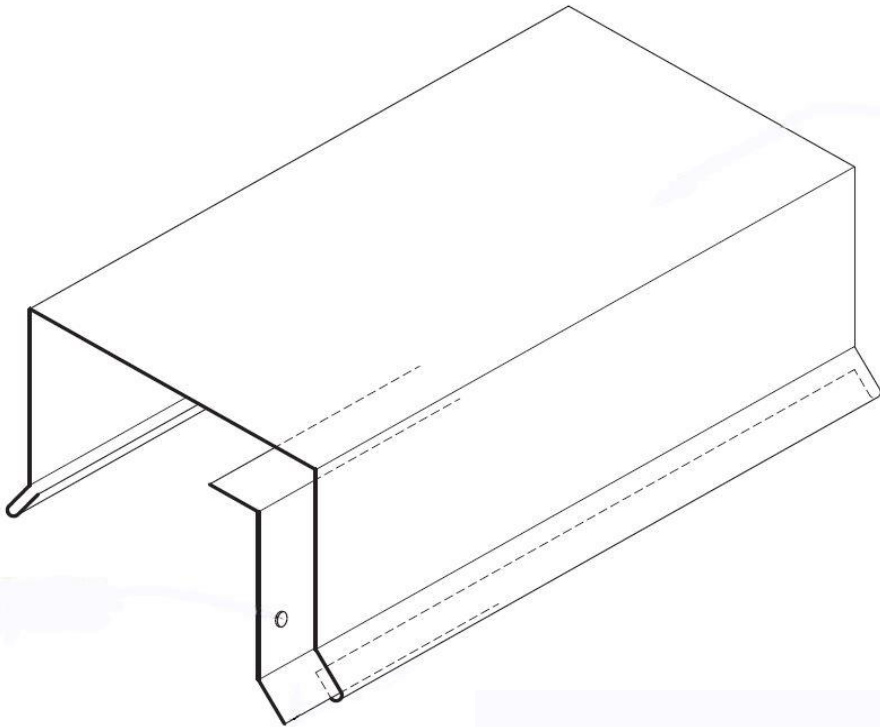
1. Install a continuous cleat to accept an A-type embedded-edge metal flashing.
2. Install the A-type embedded-edge metal flashing using three pieces secured to the continuous cleat.
3. Cut, fold and close the open end of the A-type perimeter edge metal at the gutter edge.
4. Install a concealed backer plate at the A-type embedded-edge metal joint.

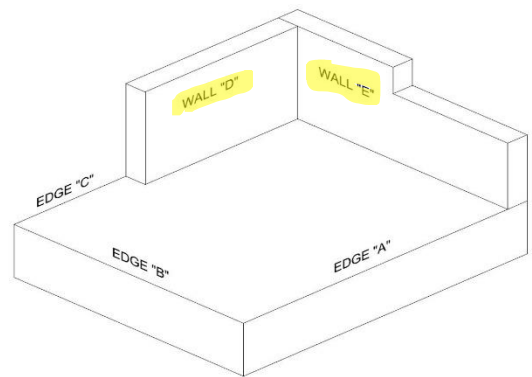




PART 3: COPING WITH L-CLEAT

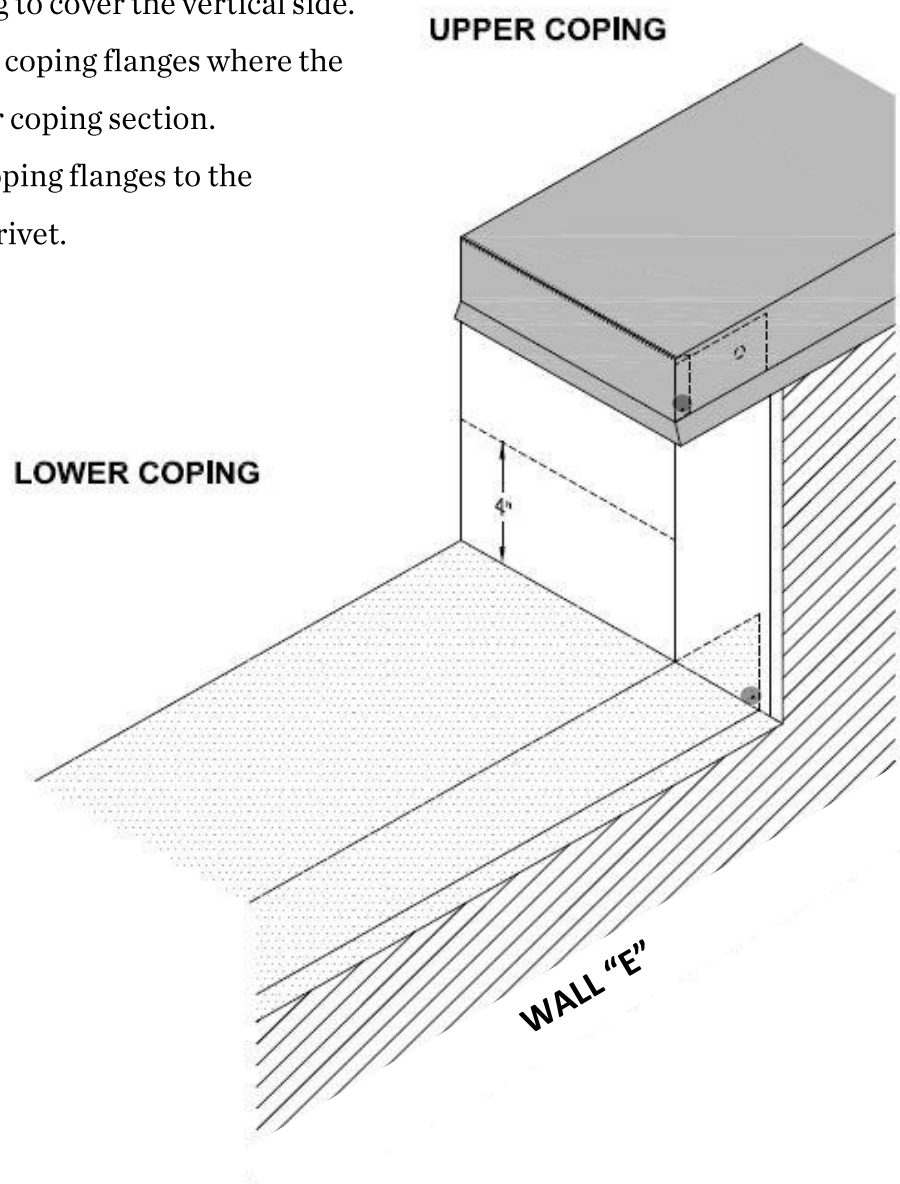
1. Install a continuous L-cleat on the exterior side of Walls D and E to accept a new coping.
2. Install new coping sections on the parapet walls secured to the cleat.



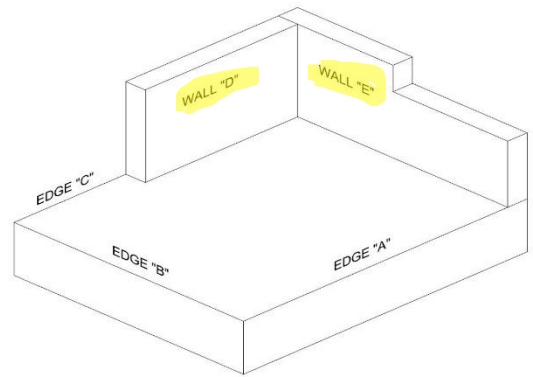


PART 4: COPING ELEVATION CHANGE AND END CAP

1. Turn lower coping section up the vertical side at the elevation change.
2. Install a separate piece of coping to cover the vertical side.
3. Miter cut the inside and outside coping flanges where the vertical piece overlaps the lower coping section.
4. Fasten the inside and outside coping flanges to the underlying flange with one pop rivet.

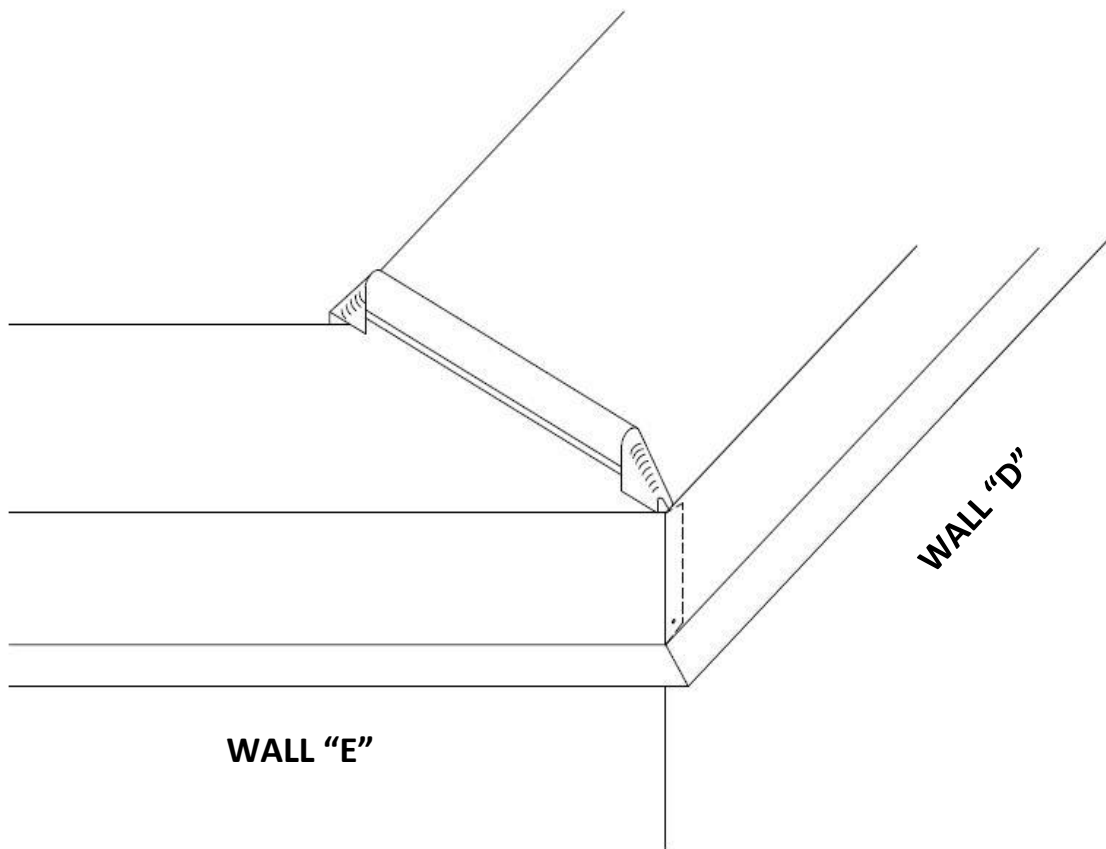
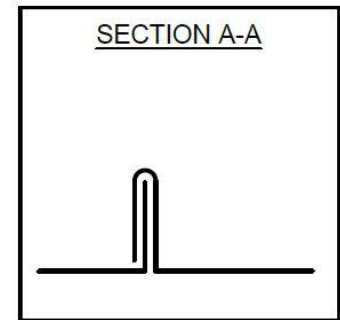


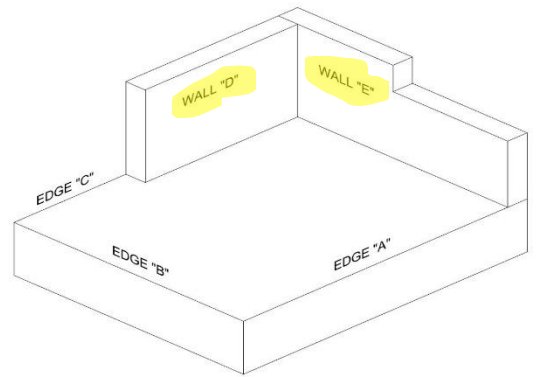
L-CLEAT NOT SHOWN FOR CLARITY



PART 5: OVERLAPPING STANDING SEAM FOR COPING OUTSIDE MITER CORNER

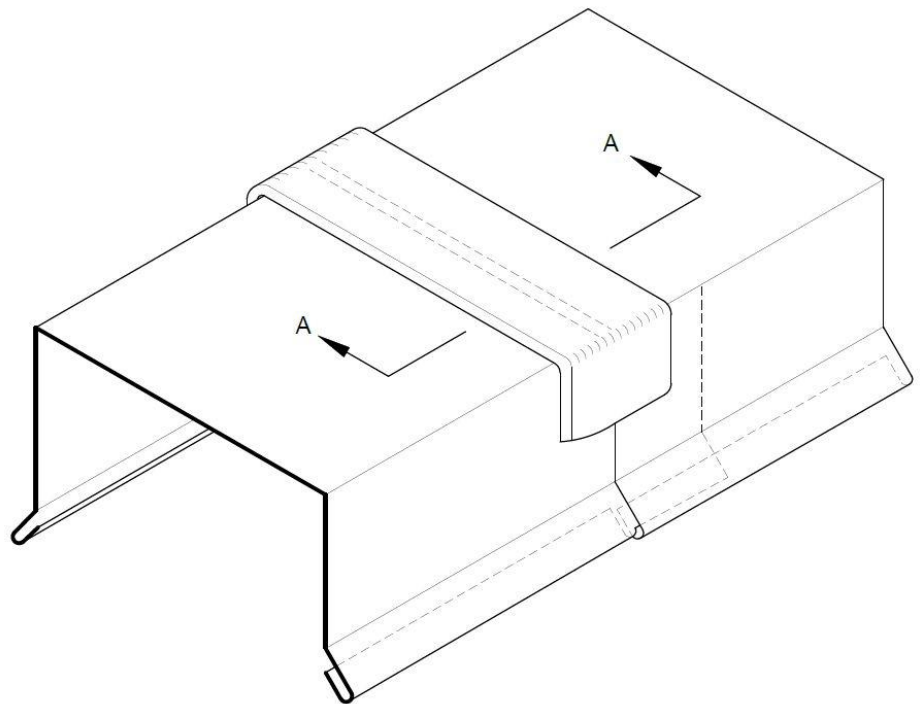
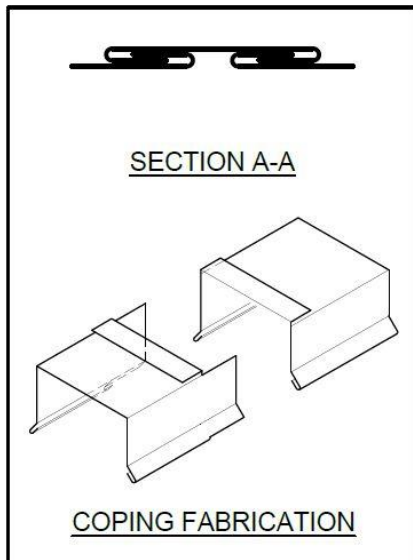
1. Install the upper coping section.
2. Field form and install an overlapping standing-seam joint to miter the outside corner.
3. Field fabricate a coping end cap at the top of the elevation change.
4. Insert the end cap tabs under the inside and outside coping faces.





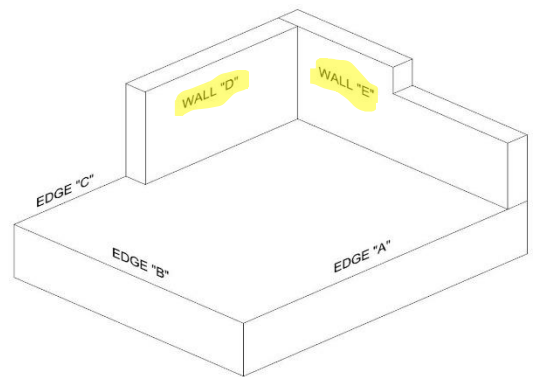
PART 6: DRIVE CLEAT SEAM FOR COPING

1. Field fabricate a 2-inch-wide by 10-inch-long drive cleat.
2. Install one coping joint using a drive cleat at either Wall D or E.

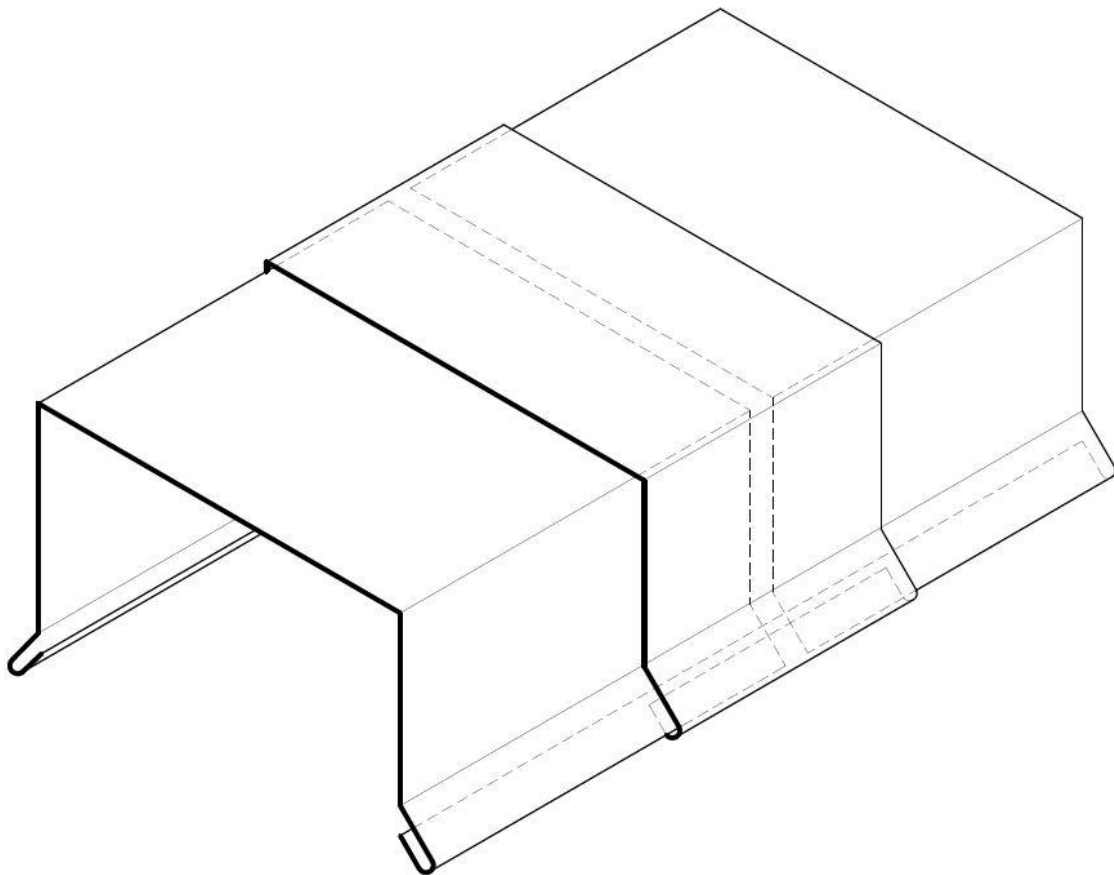




PART 7: COVER PLATE SEAM FOR COPING



1. Field form and install one coping joint using a cover plate at either Wall D or E.





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