Prepare a clean 16" wide by 8" tall opening along as flat a section of wall as possible.

You will require four strips of thin-gauge galvanized 1½" channel. We suggest 0.0625" gauge. Two pieces should be 7 7/8", and two more should be 15¾".

Install the pieces individually to form a flange (approx. a 1" lip) around the opening. Drill two pilot holes per piece, to connect into raised sections of the wall. After placing the strips properly against the wall, drill through the pilot holes, into the wall for each piece. Pop rivet the first unit into place before installing the second, and the second before the third, etc.
This should form a flat surface against which the vent can be mounted.

Using a caulk or Liquid Nails-style adhesive, secure the vent against this frame.

The final result should look like this.