

MULTI PURPOSE ANCHOR/HANGER SYSTEM - Technical Bulletin

The NUDURA® ICF multi-purpose anchor/hanger system is primarily used for hanging floor joists, but can additionally be used for such applications as exterior deck installations, or anchoring or fastening an interior or exterior applied frame partition wall to an ICF wall.

CONSISTS OF:

- 2 stamped flat sheet plates, which can be roughly installed within the form.

- An adjustable stamped bearing bracket which is accurately fixed after the concrete pour by simply screwing 3 #10 self-tapping/self-drilling screws (1.5" (38mm) in length or equivalent to the joist width) into each side of the joist as specified.

NOTE:

It is important to establish a proper truss or floor joist layout prior to installing the alignment system. This ensures the bracing system does not interfere with the hanger system.



INSTALLATION INSTRUCTIONS

1. Determine the lowest elevation at which the frame members are to be set in the wall.
2. Apply a chalk line 1" (25mm) above this lowest elevation line.
3. Vertical cuts are made on either side of the joist or truss unit location, either from the top of the course down, or cutting directly through the form to suit the height of the panel being installed. (See A)
4. Do not extend the cut below the chalk line in order to provide intermediate support of the hanger brackets.
5. Insert each of the 2 insert plates by either sliding them downward from the top of the form or inserting them horizontally through the form cuts, so that the large hold perforations of the brackets are sitting INSIDE the form cavity. (See B)
6. Exact placement of the insert plates will not be crucial as long as the cuts in the foam are made at 90° to the foam face to ensure the bracket faces will always be in plane and in line with the face of the joist or truss frame. (See C)
7. After the concrete has been placed and cured enough for hanging a floor or truss member, chalk a second line at either the top or bottom elevation of the joist to be installed. This should be done with a transit or a laser level.

8. Fit the framing member stamped bearing bracket at the bottom end of the joist or truss as shown. (See D & E)
9. Slide the joist or truss member and stamped bearing bracket down between form inserts plates ready for anchorage at the desired height. (See F)
10. Once positioned so that the joist is in line with the final chalk line, fasten through both the plate and bracket perforations in an offset triangle fashion to ensure solid anchorage of the stamped bearing bracket into position. (See G)

NOTE:

If, in error, insert plates have not been installed prior to concrete pour, or have been installed incorrectly, retrofit brackets are available post pour.

