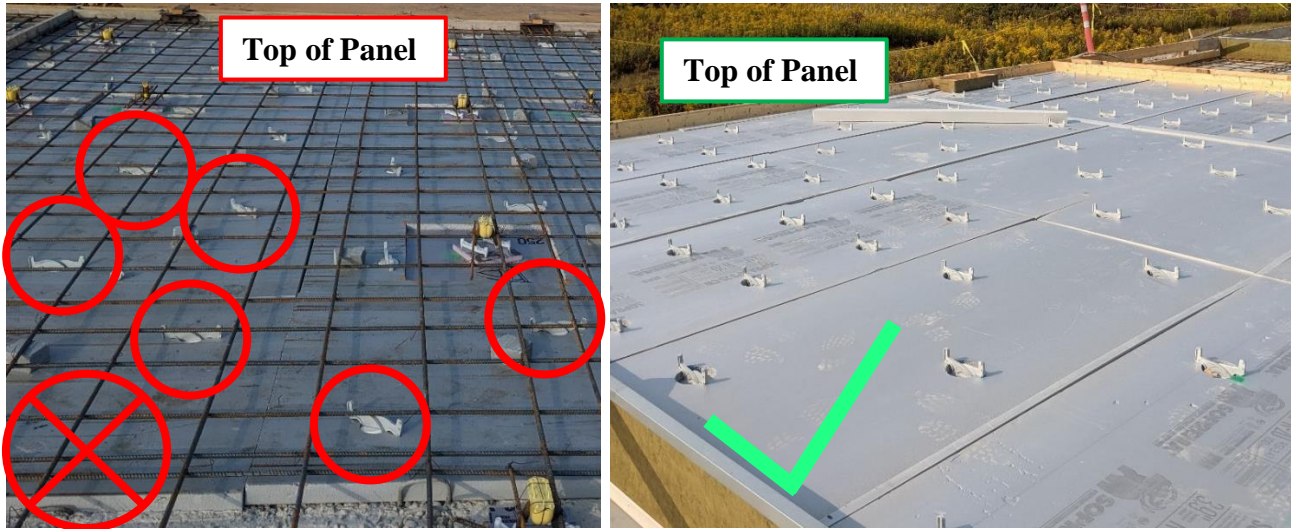


## QC steps should take place during and immediately after insulation placement.

### Orientation:

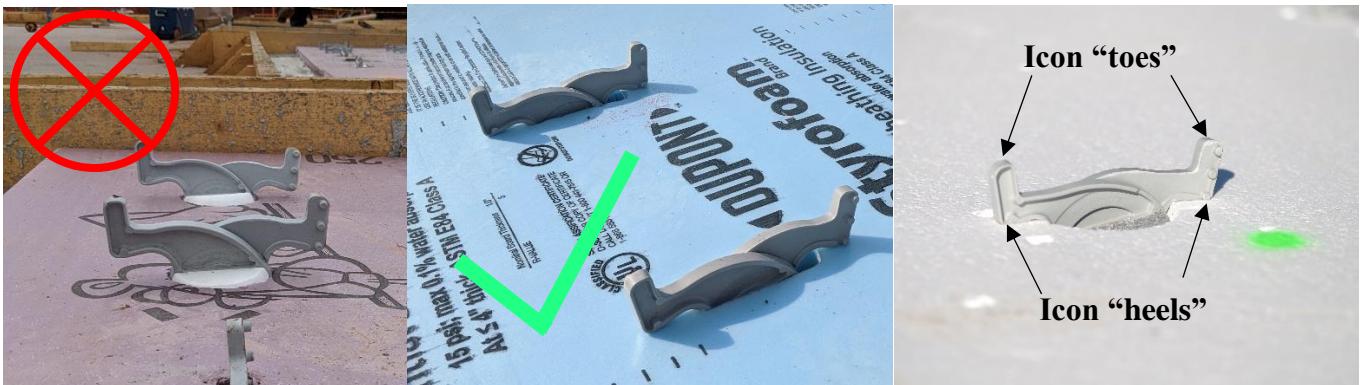
Match orientation of IconX connectors to Foam Layout Drawing



- Connectors must be parallel either to the length of the panel or the width, in accordance with the drawings.
- **In almost all cases, IconX connectors will be oriented parallel to the length of the panel.**
- In panels with horizontal Icons, only select rows will be horizontal and the rest will be vertically oriented. The panel on the left was designed to have all icons oriented vertically, but several are oriented incorrectly and need to be fixed during the QC check **before** moving on to the next panel.

### Open and Locked:

Ensure all IconX Connectors are fully open with 'heels' touching foam insulation.



On the left, Icons are not fully opened. Center, Icons are fully opened and the 'heels' are touching the foam.

- **Icon 'toes' must be facing up and 'heels' must be touching the foam.**
- If the Icon is not fully opened and the foam is already installed in the concrete, you can simply step on top of the Icon to lock it in and fully open it.
- Icons are designed to be vertical in projection out of the foam (not tilted).

If you have any questions, please contact Joel Foderberg at 913-208-4274 or Davis Foderberg at 913-302-5598

## Spacing and Moving Icons:

Latitudinal spacing (top to bottom) is most important. Icons should be spaced no more than 2 feet apart along the length of the panel.

- In general, there is a 1"-2" tolerance for the location of the connectors in any direction.

In the case of interference with blockouts or inserts such as face lifting handles or large plates, Icons can be moved horizontally (towards or away from the panel edge) as much as 6-12 inches.

- Insert Icons when the foam is NOT in the concrete. If an Icon needs to be moved, lift the foam out of the concrete before making a new hole and inserting the Icon. Then, insert the foam plug into the old hole.

In the case of reinforcement interference, small adjustments to the IconX connector without drilling a new hole are usually sufficient.

- For a typical panel with a 4" minimum face (rebar in center of face, 1 3/4" chair height), Icons should have minimal, if any, interference with reinforcing. For 3" faces, some interference may occur.

## Walk the Insulation In:

After making any necessary adjustments, walk in the foam to ensure IconX connectors are fully seated in the first layer of concrete.



Photo on the left: walking in foam. Photo on the right: walking in foam and vibrating IconX connectors.

- For fresh, plastic concrete, walking on top of foam sheets is sufficient for consolidation around connector feet. We do not recommend walking on 2" or thinner white foam due to its tendency to crack and break underfoot.
- For stiffer concrete mixes or concrete beginning to set, light vibration on the connector using a stinger or pencil vibrator may be required for adequate consolidation.
- Do not continue to walk on the insulation after the QC is complete. The concrete should remain undisturbed until the initial set of the concrete. Usually 12 hours.

**After the concrete has set, any panel that does not pass QC should be clearly documented. A photo of the full panel, with the orientation of the panel and the connectors clearly indicated, should be sent to your engineer of record for approval.**

**Note: Please check with your local municipality and/or engineer for special inspection requirements.**

If you have any questions, please contact Joel Foderberg at 913-208-4274 or Davis Foderberg at 913-302-5598