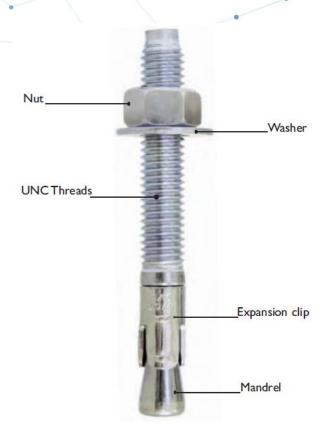
Anchors



Expansion Anchors

- Can be used to secure heavy objects to walls or floors.
- Can handle vertical and horizontal loads.
- By tightening the bolt, the nut on the opposite end pulls into the shell, expanding it outward and wedging it inside the hole in the wall or floor.
- Anchors, and other connection hardware should be installed and tightened according to the manufacturer's specifications.



Floor Collapse

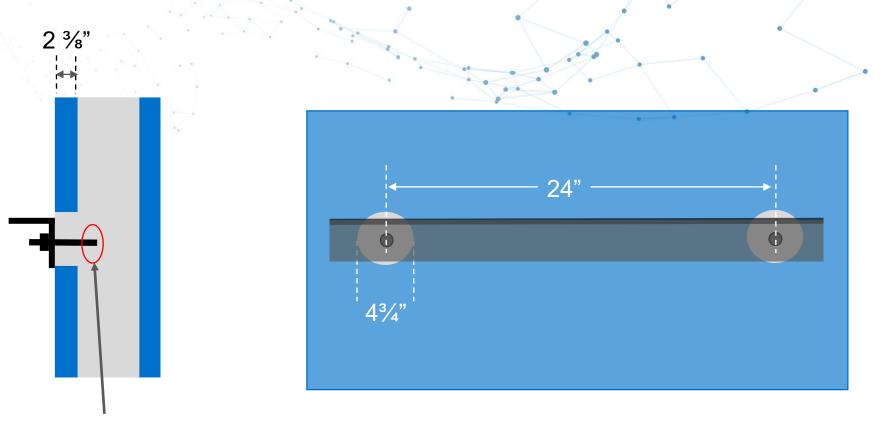
During concrete pour

Steel deck supported by OWSJ

OWSJ (North wall) was supported by steel shelf angle

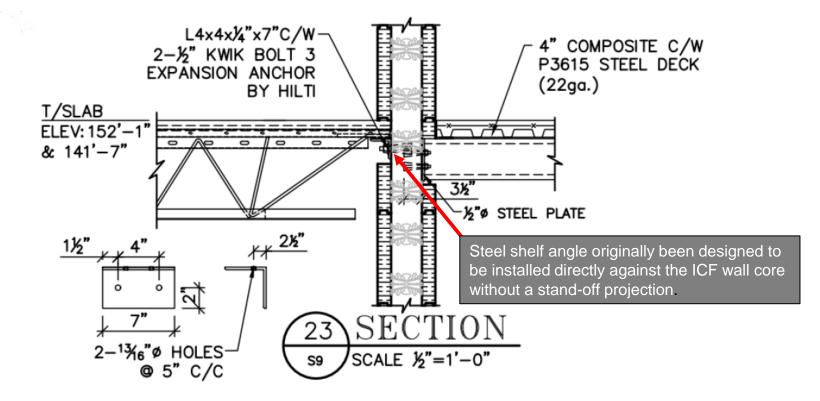






- Only about ³/₄" effective embedment within wall core
- Loaded edge distance of 2³/₈" in concrete projections
- Some anchors off centre, others not a right angle (< 90°)

Project Drawings



Field Pictures



Thickness of insulation - 23/8"



Anchor embedment depth

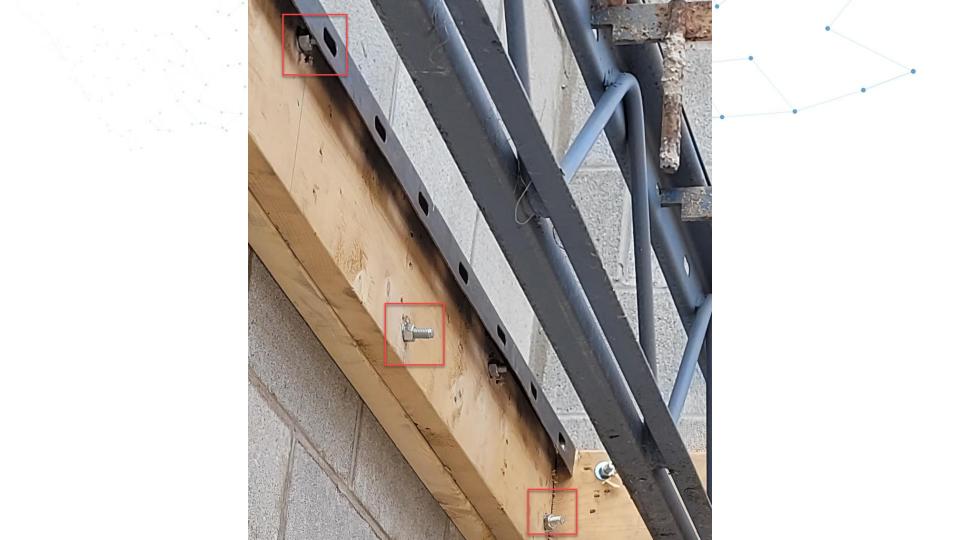
Field Pictures



Anchor installed off-centre



Anchor installed on a skew



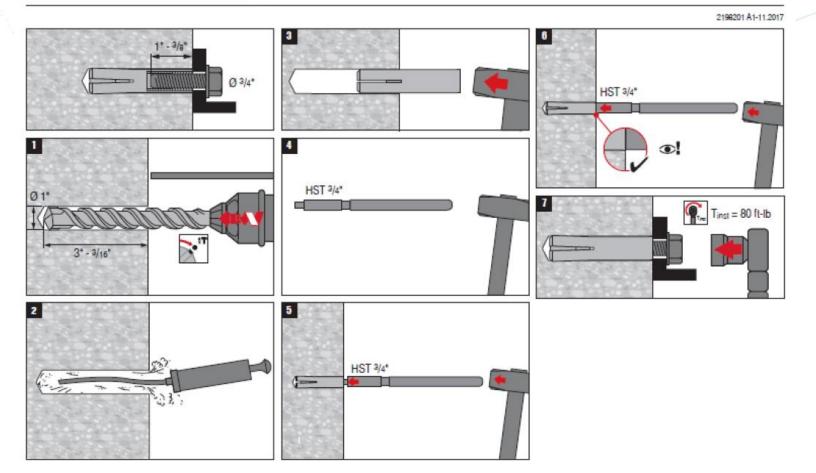


Drop in anchors





HDI 3/4"

















Questions?

