



PATENT PENDING

Insul-Stud®

BY MOMENT INNOVATIONS, LLC.

INSTALLATION GUIDELINES

- 01** **Dimensional Difference:** Insul-Stud® is 1-5/8" wide x 5-1/2" deep
- 02** **Solid 2x6 DF#2 plates** should be used for top and bottom sill plates (rotate wane away from stud bearing surface)
- 03** **When nailing the stud to the top and bottom plates** use 0.131" diameter x 3-1/4" long nails (one into each flange)
- 04** **Studs may be spaced** a maximum of 24" o/c, depending on load requirements
- 05** **Avoid toe nailing**, nails placed perpendicular to the face of the flanges are preferred
- 06** **Max nail diameter** should not exceed 0.131" diameter, set gun pressures to avoid overdriving nail heads into the flanges
- 07** **Where using dropped headers**, a 2x6 DF#2 plate should run continuously along the bottom of the header so the header does not bear on foam core at the jack studs
- 08** **All headers within the wall cavity** should be insulated per code requirements
- 09** **Verify connection requirements for hinged doors** to ensure foam core will not interfere with attachment
- 10** **Where sheathing edge blocks are required**, use Insul-Stud® blocking horizontal at seams to maintain thermal break
- 11** **Insul-Stud® may be used as ladder blocking** where necessary (for example at interior perpendicular walls)
- 12** **It is assumed that Insul-Stud® will be used in new construction** where windows use nail fins for attachment over exterior sheathing into the exterior flange of the stud. If windows do not have nail fins, rough openings should be oversized to allow for installation of a solid wood buck (min. 7/16") to span foam core for attachment
- 13** **Mount electrical boxes directly** to interior wood flanges with provided nail attachment. Wires may be secured to wood flanges or to foam using wire staples or other approved methods
- 14** **For ledger attachments**, we recommend using 1/2" diameter Simpson SDCF screws (SDCF22700) in lieu of conventional lag screws...with a 2x ledger, screws need to be 7" long to extend through the foam into the inner flange (or as detailed by the Engineer of Record)
- 15** **Holes may be drilled through the foam area** for wires and plumbing vents; keep holes 12" min. away from ends of stud and within the foam core only (do not notch flanges)
- 16** **PU Foam will change color (darken) when exposed to UV light**; this discoloration does not affect thermal or structural performance
- 17** **Do not use Insul-Stud® for temporary bracing** or any application other than structural framing within a sheathed wall panel

ALWAYS FOLLOW APPLICABLE BUILDING CODES AND ENGINEERED DESIGN REQUIREMENTS.
THESE GUIDELINES ARE GENERAL RECOMMENDATIONS FOR THE PROPER INSTALLATION OF INSUL-STUD®