

# CASE STUDY: 3-Coat Stucco & Thin Stone over STYROFOAM SIS



## BACKGROUND:

3-Coat Stucco & Thin Stone veneers were installed over STYROFOAM SIS sheathing on a three story, ~5000 SF house near Kansas City, MO, in 2014.



## CONSTRUCTION:

This home is a typical light-framed wall construction with studs spaced at 16" OC. STYROFOAM SIS was installed, sheathing seams taped, & flashing tape applied to create the primary drainage plane (WRB).

Paper-backed metal lath was next installed directly over the SIS sheathing system as the outer WRB layer & scratch coat anchor. Lath was

structurally attached through the SIS to framing every 6" to 7" vertically, and fastened to SIS between framing as necessary to smooth and flatten.

Thin Stone and Stucco was then installed per respective install instructions with control joints and detailing.



## CONTRACTOR / OWNERS TESTIMONY:

SIS was extremely easy to work with vs. OSB. It was rigid, yet light-weight and easy to cut.

Moving into a larger home we were really concerned with energy bills. I am extremely happy with the SIS; it provides an additional barrier that really keeps the heat in. One area that I was not anticipating the SIS providing was reduced noise. The SIS really blocks out the neighborhood noises even in my garage.

