

Enercept Product Bulletin #1

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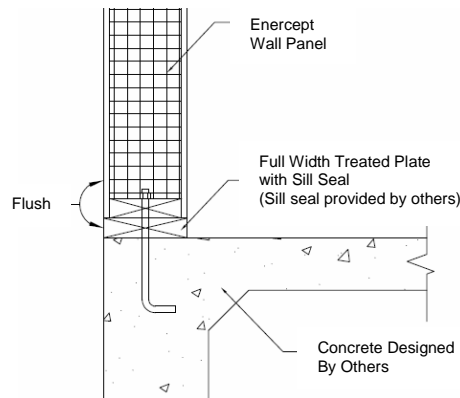
FULL WIDTH TREATED SILL PLATE:

Summary Description:

When constructing with Enercept SIPs on a concrete slab or stem wall, Enercept will provide full width treated plate material to be attached to the concrete as the bottom plate. This treated plate will typically be ripped "in the field" to the thickness of the SIP wall. For example, if the building is constructed with 6" SIP walls, which have an overall thickness of 6 3/8", treated 2x8 bottom plate material will be provided, to rip onsite.

An untreated plate will also be provided to attach to the treated plate. The SIPs will be recessed for this untreated plate therefore the skins will go over the untreated plate and will be nailed to it.

Reference detail, below, for this double bottom plate configuration when constructing on concrete.



*Anchor bolts and concrete design provided and determined by others – for illustration purposes only.

Basis of Change:

When constructing on concrete, it's important to have a capillary break between the concrete and OSB SIP skins to reduce the possibility of moisture "wicking" from the concrete into the OSB. Using a treated plate that is the same width as the panel thickness with sill seal underneath helps provide a capillary break and a solid building platform on which the SIP walls can be erected.

Cautionary Notes:

Since walls constructed on concrete slabs and stem walls will have this double bottom plate system, longer anchor bolts may need to be used to hold down the double plate system.

Since SIPs designed to be constructed on concrete slabs and stem walls will incorporate the full width treated bottom plate, the full width treated plate must be used. If not, the builder and/or owner of the project will likely have issues with incorrect wall heights and door/window header heights.

As part of this Product Bulletin, Enercept always recommends the use of below grade .60 treated lumber for the full width treated sill plate. This will typically be provided by Enercept; or could be sourced locally by the builder or owner of the project.