

Foundations

Stem Walls and Footings

PERFORM WALL™ panels may be used for stem walls, or with conventional poured-in-place concrete stems, standard block stems or mono-pour systems (concrete slab or footing stem wall poured at the same time, interlocking them together).

The stem walls should rest on spread footings designed to support the wall, the building loads and the soil conditions at the site.

PERFORM WALL™ panels insulate the concrete slab providing a thermal break, thus saving energy by reducing the effect of outside temperatures on the inside of the building.

The composition of PERFORM WALL™ panels, reduces the expansion and contraction of the walls, thus eliminating much of the stucco cracking generally associated with the expansion and contraction of the underlying material.

Mono-Pour Footing and Stem Wall

Three methods of installation:

- (1) Pre-poured footer or monolithic slab with stacked PERFORM WALL™ panels on the hard set concrete.
- (2) Freshly poured concrete with the first row of PERFORM WALL™ panels set into it, then leveled and plumbed.



- (3) Monolithic footing or slab with the first row of PERFORM WALL™ panels already set in place on top of the forms before the pour.

Raised Floor

Where a structure is built with a raised floor, rather than slab on grade, the footing and stem walls are built as usual with rebar dowels extending up from the stem wall to create the required overlap. Floor joists can be attached to the PERFORM WALL™ panels as shown in the ledgers section of the manual.



Slab Free Float

If the slab needs to float free from the stem wall, then the stem wall can be grouted prior to the pouring of the slab. In such cases, the PERFORM WALL™ panels will act as an expansion joint around the perimeter of the concrete slab.

