

Acceptable Designs for Increased Sill Plate Overhang

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➤ Floor Joists Perpendicular to Foundation Wall

Notes:

1. s. SPS 321.22 permits joists to overhang by their actual depth.
2. s. SPS 321.22(1)(d) requires a full width sill plate over masonry walls with open top course.
3. These examples for uniform loading conditions. Concentrated loads may require additional blocking.
4. Examples are for solid sawn lumber. Consult with engineered lumber providers to get acceptable installations.

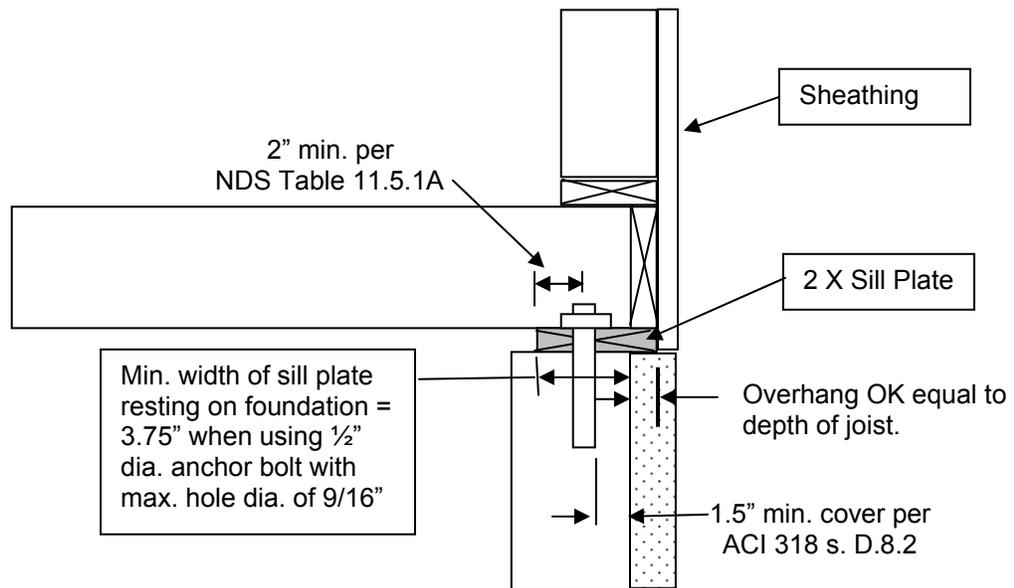


Figure 1
Floor framing perpendicular to foundation wall

➤ Floor Joists Parallel to Foundation Wall

Notes:

1. Sill plate overhang limited to $\frac{1}{2}$ the nominal thickness when rim joist is resting on outer edge. See Figure 4.
2. s. SPS 321.02 (1)(d) requires a full width sill plate over open-core masonry units.
3. These examples for uniform loading conditions. Concentrated loads may require additional blocking.
4. Examples are for solid sawn lumber. Consult with engineered lumber providers to get acceptable installations.

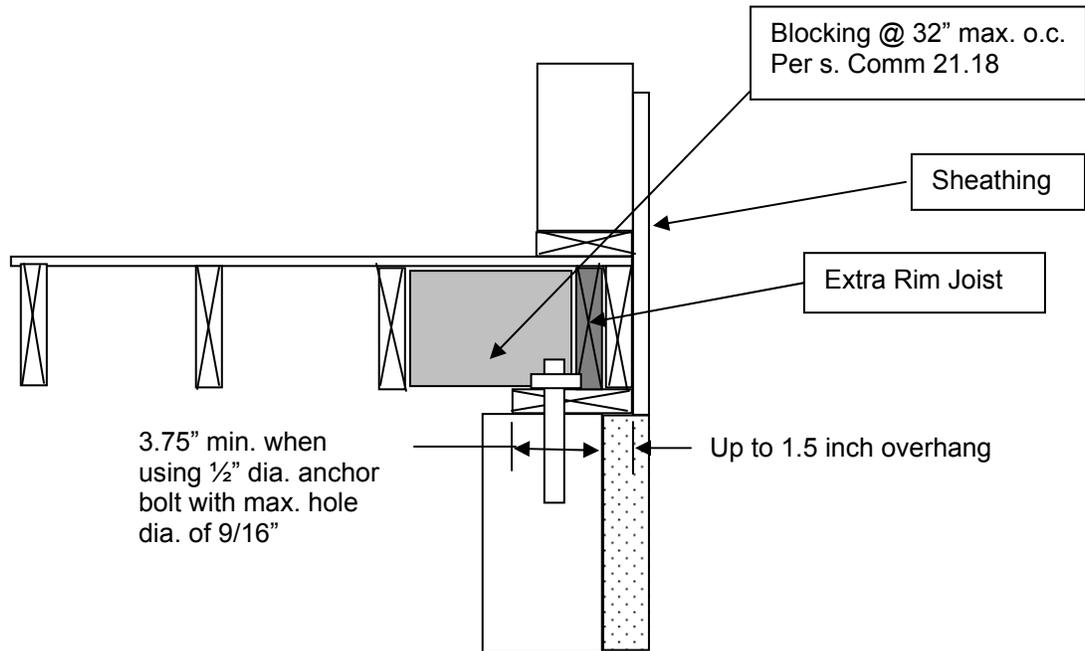


Figure 2
Floor framing parallel to foundation wall (Option 1)

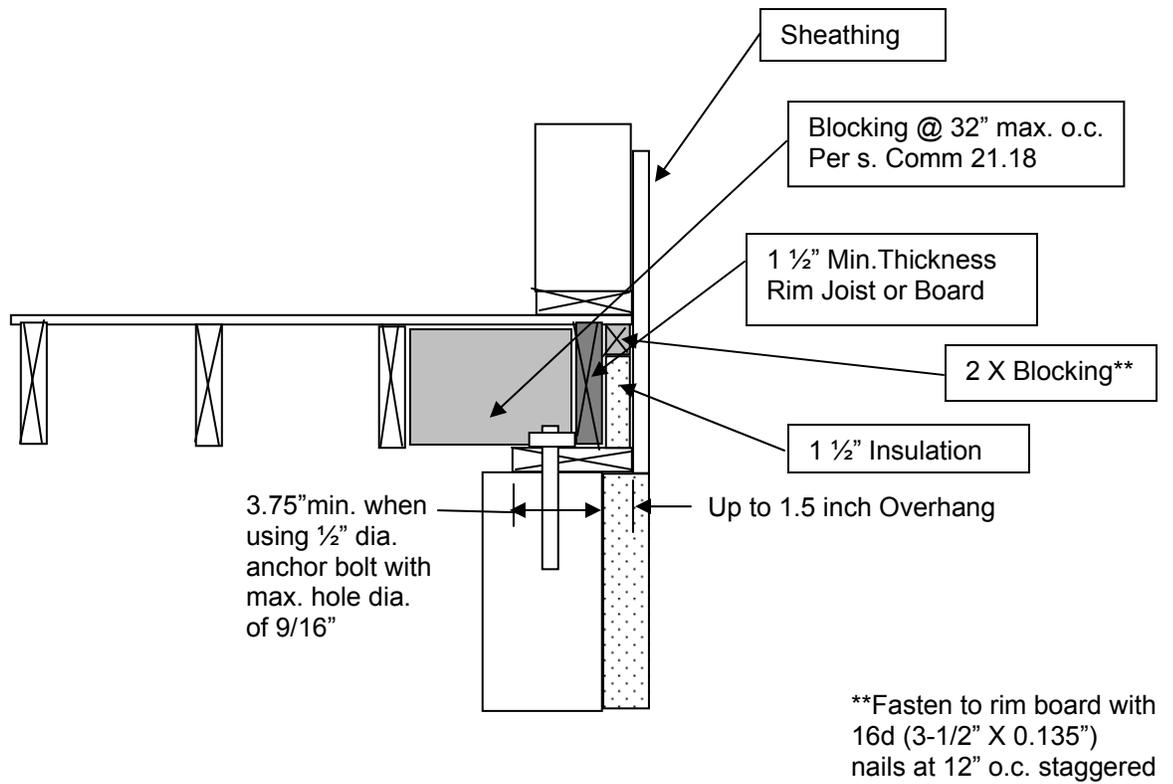


Figure 2a
Floor framing parallel to foundation wall (Option 1a)

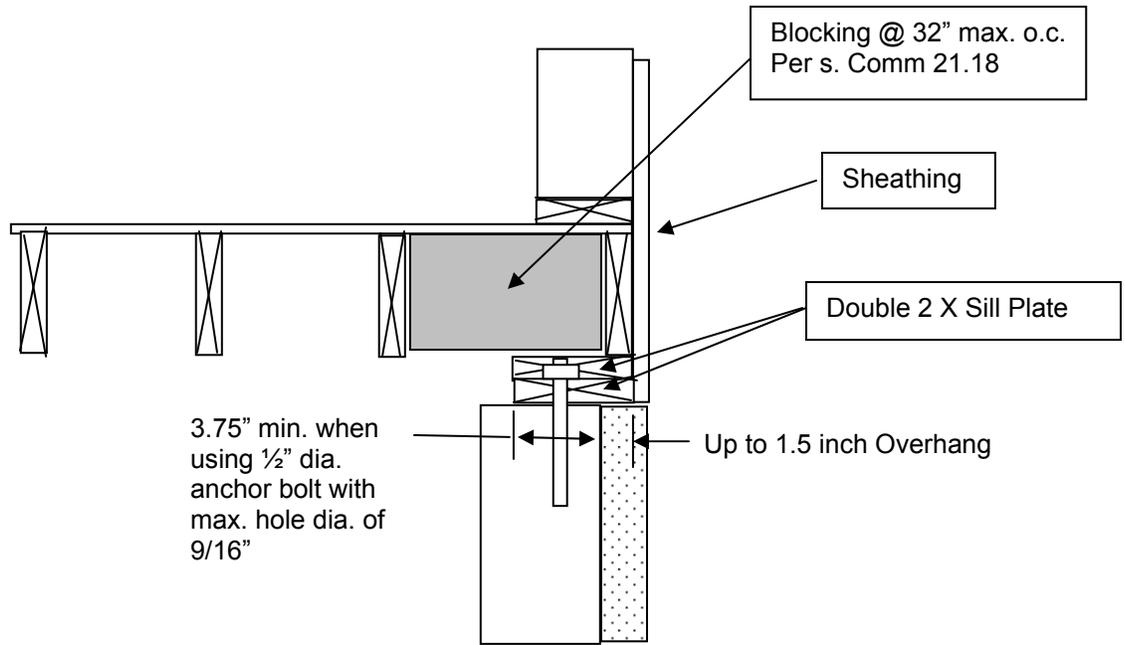


Figure 3
Floor framing parallel to foundation wall (Option 2)

➤ **Stud Wall directly on Sill Plate**

Notes:

5. *Sill plate overhang limited to ½ the nominal thickness when rim joist is resting on outer edge.*
6. *s. SPS 321.22 (1)(d) requires a full width sill plate over open-core masonry units.*
7. *These examples for uniform loading conditions. Concentrated loads may require additional blocking.*
8. *Examples are for solid sawn lumber. Consult with engineered lumber providers to get acceptable installations.*

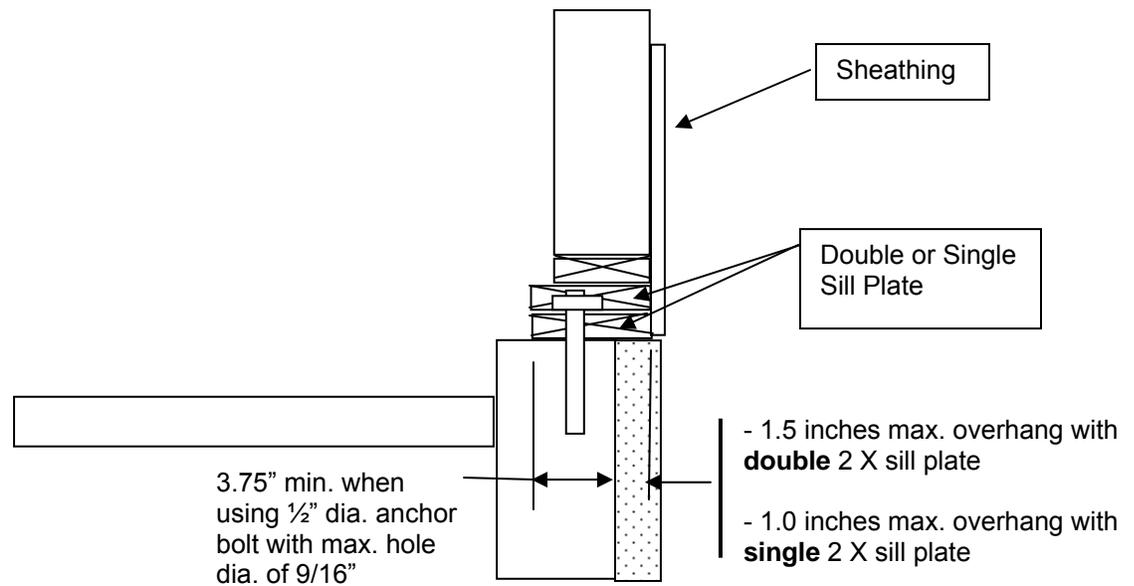


Figure 4
Stud wall directly on sill plate