



NOTES:

The above knee wall is applicable under the following conditions:

1. Min. vertical rebar, use #4@32" max. (10M@813 mm max.) on center for 60ksi steel (#4@24" for 40ksi steel). Footing dowels to match vertical rebar in wall for size and spacing.
2. Horizontal rebar: #4@16" max (10M@406 mm max.) on center.
3. Max. backfill height: 4 ft (1.2 m); Equivalent fluid density: <= 75pcf (1200 kg/m³) w/ no surcharge; Soil must be well drained (no heavy clay)
4. Min. soil bearing capacity: 2000 psf (13.8 MPa)
5. Min. 28 day concrete compressive strength: 3000 psi (20 MPa)
6. Max. knee wall length: 40 ft (12 m); Max. knee wall height: 4 ft (1.2 m)
7. Max. 2 stories above-grade of stud framed wall construction – house superstructure not to exceed 2000 lb/ft.
8. Consult a local licensed engineer for knee walls that do not meet the above notes and drawing.