

| MiTek Stock No. | Ref. No. | Steel Ga. | Plate Size | Fastener Schedule ^{1,7} | | | | Min Stemwall Thickness (in) | Installation Type | Concrete ⁶ | DF/SP Allowable Loads (Lbs.) ^{2,3,4} | | | |
|------------------------------------|-------------|--------------|---------------|----------------------------------|------------|------|-------------|--------------------------------------|----------------------|-----------------------|--|------------|------------|--|
| | | | | Sill Plate | | Stud | | | | | Uplift 160% | F1 160% | F2 160% | |
| | | | | Side Qty | Top Qty | Qty | | | | | | | | |
| Wind and ASCE Seismic Design A & B | | | | | | | | | | | | | | |
| FA3 | -- | 16 | Single 2x | 2 | 4 | -- | 10d x 1-1/2 | 6 | Standard | Uncracked | 1350 | 750 | 1015 | |
| | | | | Cracked | 945 | 525 | | | | 710 | | | | |
| | | | | One-Tab-Up | Uncracked | 1350 | | | 750 | 1015 | | | | |
| | | | Cracked | | 945 | 525 | 710 | | | | | | | |
| | | | Single 3x | 2 | 4 | -- | 10d x 1-1/2 | 6 | Standard | Uncracked | -- | 515 | -- | |
| | | | | Cracked | -- | 475 | | | | -- | | | | |
| ASCE Seismic Design C-F | | | | | | | | | | | | | | |
| FA3 | -- | 16 | Single 2x | 2 | 4 | -- | 10d x 1-1/2 | 6 | Standard | Uncracked | 1120 | 550 | 890 | |
| | | | | Cracked | 830 | 460 | | | | 625 | | | | |
| | | | | One-Tab-Up | Uncracked | 1120 | | | 550 | 890 | | | | |
| | | | Cracked | | 830 | 460 | 625 | | | | | | | |
| | | | Single 3x | 2 | 4 | -- | 10d x 1-1/2 | 6 | Standard | Uncracked | -- | 515 | -- | |
| | | | | Cracked | -- | 405 | | | | -- | | | | |

- 1) Predrilled holes are not required.
- 2) Allowable Stress Design (ASD) values have been adjusted for a load duration factor, C_D , of 1.6 corresponding to a ten-minute load duration (i.e. wind or earthquake loading) in accordance with the NDS. The ASD loads do not apply to loads of other durations.
- 3) FA3 capacities are based on using a single-ply 2x sill plate.
- 4) Allowable loads are based on a minimum stemwall thickness of 6", minimum distance from the end of the concrete wall of 4" and minimum anchor spacing of 8".
- 5) Uplift deformation based on wood connection strength.
- 6) Minimum concrete strength $f'_c = 2,500$ psi.
- 7) **NAILS:** 10d x 1-1/2 nails are 0.148" dia. x 1-1/2" long.