

**PRESCRIPTIVE METHOD FOR INSULATING CONCRETE FORMS
6.0 - ICF Connection Requirements IN RESIDENTIAL CONSTRUCTION, Second Edition**

**TABLE 6.1
FLOOR LEDGER-ICF WALL CONNECTION (SIDE-BEARING CONNECTION)
REQUIREMENTS^{1,2,3}**

| MAXIMUM FLOOR CLEAR SPAN ⁴ (feet) | MAXIMUM ANCHOR BOLT SPACING ⁵ (inches) | | | |
|--|---|--|---|---|
| | STAGGERED 1/2-INCH-DIAMETER ANCHOR BOLTS | STAGGERED 5/8-INCH-DIAMETER ANCHOR BOLTS | TWO 1/2-INCH-DIAMETER ANCHOR BOLTS ⁶ | TWO 5/8-INCH-DIAMETER ANCHOR BOLTS ⁶ |
| 8 | 18 | 20 | 36 | 40 |
| 10 | 16 | 18 | 32 | 36 |
| 12 | 14 | 18 | 28 | 36 |
| 14 | 12 | 16 | 24 | 32 |
| 16 | 10 | 14 | 20 | 28 |
| 18 | 9 | 13 | 18 | 26 |
| 20 | 8 | 11 | 16 | 22 |
| 22 | 7 | 10 | 14 | 20 |
| 24 | 7 | 9 | 14 | 18 |
| 26 | 6 | 9 | 12 | 18 |
| 28 | 6 | 8 | 12 | 16 |
| 30 | 5 | 8 | 10 | 16 |
| 32 | 5 | 7 | 10 | 14 |

For SI: 1 foot = 0.3048 m; 1 inch = 25.4 mm

¹Minimum ledger board nominal depth shall be 8 inches (203 mm). The actual thickness of the ledger board shall be a minimum of 1.5 inches (38 mm). Ledger board shall be minimum No. 2 Grade.

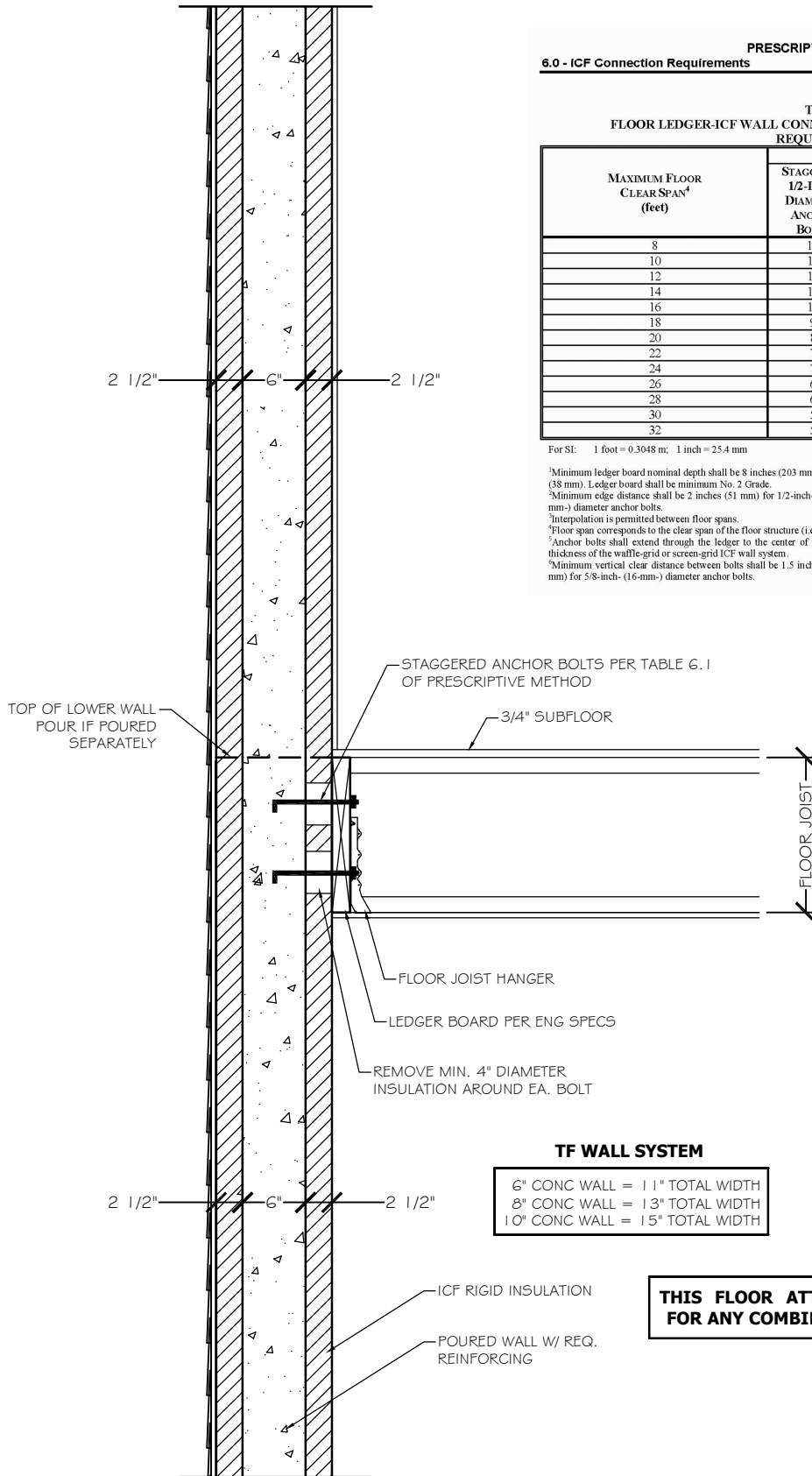
²Minimum edge distance shall be 2 inches (51 mm) for 1/2-inch- (13-mm-) diameter anchor bolts and 2.5 inches (64 mm) for 5/8-inch- (16-mm-) diameter anchor bolts.

³Interpolation is permitted between floor spans.

⁴Floor span corresponds to the clear span of the floor structure (i.e., joists or trusses) spanning between load-bearing walls or beams.

⁵Anchor bolts shall extend through the ledger to the center of the flat ICF wall thickness or the center of the horizontal or vertical core thickness of the waffle-grid or screen-grid ICF wall system.

⁶Minimum vertical clear distance between bolts shall be 1.5 inches (38 mm) for 1/2-inch- (13-mm-) diameter anchor bolts and 2 inches (51 mm) for 5/8-inch- (16-mm-) diameter anchor bolts.



TF WALL SYSTEM

| |
|---------------------------------|
| 6" CONC WALL = 11" TOTAL WIDTH |
| 8" CONC WALL = 13" TOTAL WIDTH |
| 10" CONC WALL = 15" TOTAL WIDTH |

THIS FLOOR ATTACHMENT METHOD IS VALID FOR ANY COMBINATION OF TF WALL THICKNESS

WALL SECTION (TYP.)