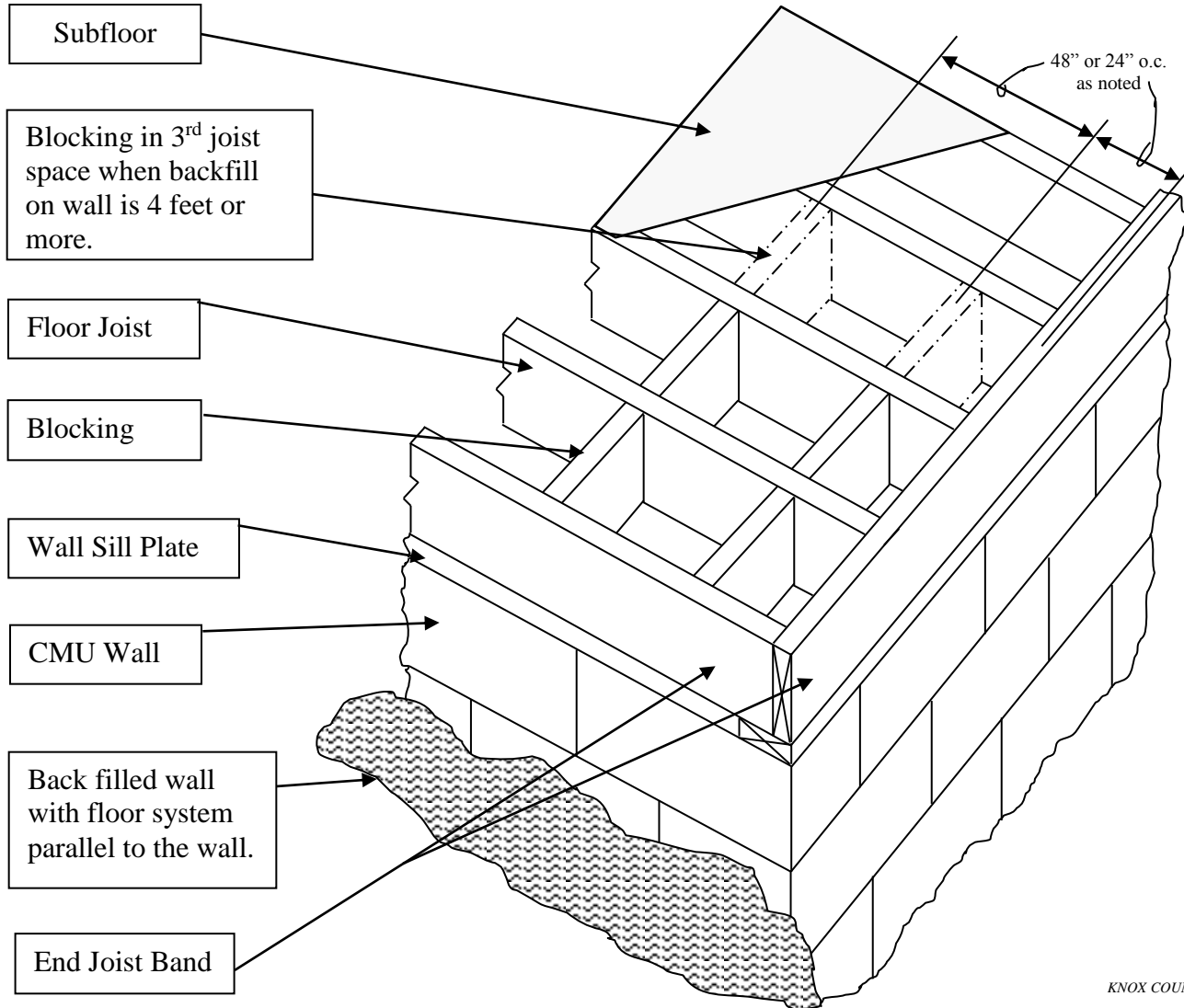




REV. 022019



FOUNDATION WALL BRACING – Section R404.1, 2018 IRC. (recommended method)

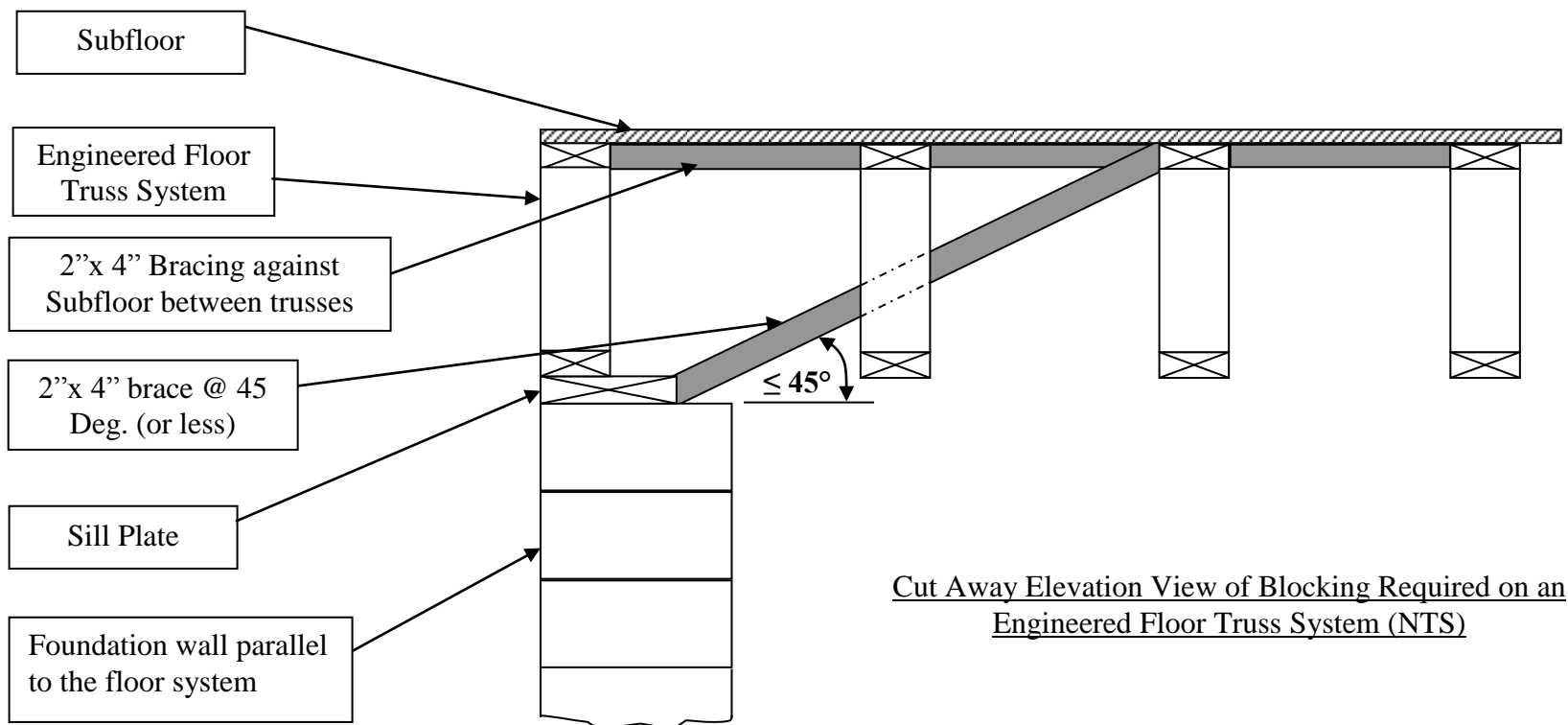
This section of the code requires the foundation walls to be braced at the top as follows when the floor structure is parallel to the foundation wall.

1. For foundation walls that have no backfill or have less than 4 feet of backfill, blocking is required at 4 feet on center in the first two floor joist spaces from the foundation wall.
2. For 4 feet or more of backfill, blocking is required 2 feet on center in the first three joist spaces from the foundation wall.

Fasteners shall be installed as listed in the 2018 International Residential Code. Blocking shall be fastened in accordance to the requirements for floor joists. Subfloor shall be glued to the blocking and nailed or screwed @ 4" O.C.

NOTE: "I" JOIST INFORMATION

Floor systems that use wood "I" joists will need to install blocking (per manufacturer's instructions) against the webs of the "I" joists for proper attachment of the foundation wall bracing blocks. Follow instructions listed above for blocking installation and attachment.



INSTRUCTIONS:

1. Install a 2" x 4" brace from the inside edge of the sill plate to the side of the top cord at the second truss at less than or equal to 45° (as shown).
2. Install 2" x 4" flat bracing on the underside of the subfloor anchored at each end to the top cords of the trusses (as shown).
3. For foundation walls that have no backfill or have less than 4 feet of backfill, blocking is required at 4 feet on center.
4. Backfill of 4 feet or more requires blocking 2 feet on center in the first three truss spaces from the foundation wall.
5. Fasteners shall be installed as listed in the 2018 International Residential Code. Blocking shall be fastened in accordance to the requirements for floor joists. Subfloor shall be glued to the blocking and nailed or screwed @ 4" O.C.