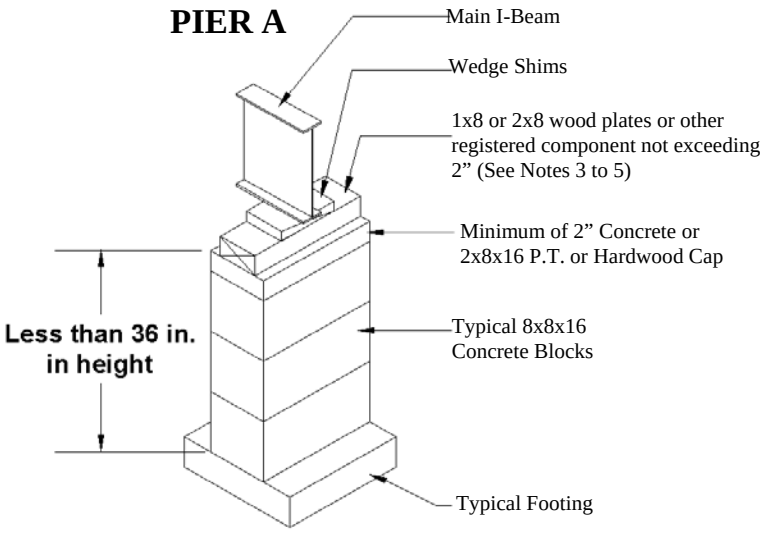
Figure: 10 TAC §80.23(f)

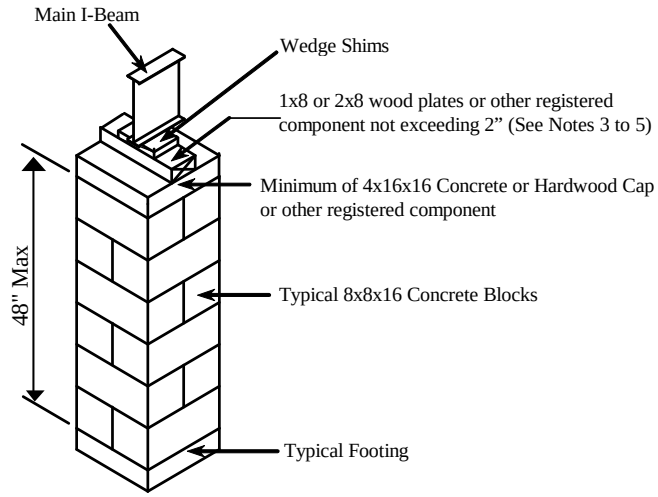
PIER DESIGN (SINGLE & MULTI-SECTION STACK)

PIER A



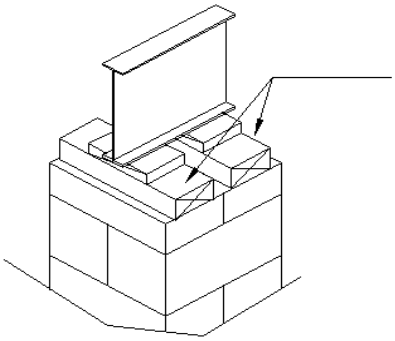
Pier A: Single stack of solid or open cell, 8x8x16 concrete blocks. Maximum height is 36 inches as measured from the top of the footer to the top of the last concrete block. Concrete blocks are installed with their lengths perpendicular to the main I-Beam. Open cells must be vertical and in alignment.

Pier B



Pier B: Interlocked double stack of solid or open cell 8x8x16 concrete blocks. The maximum height is 48 inches as measured from the top of the footer to the top of the last concrete block. Piers of greater heights are allowed if they are within limits established in adopted federal standards. The pier is capped with a minimum 16x16x4 concrete cap. Open cells must be vertical and in alignment. Each course of open cell blocks must be perpendicular to the previous course.

Pier B-1



Note:

1) Open cell and solid concrete blocks shall meet ASTM-C90-99a, Standard Specification for load bearing Concrete Masonry Units.
2) Support system components are to be undamaged and installed in a manner to accomplish the purpose intended.
3) Either wood caps or shims must be used between I-Beam and concrete.
4) Preservative treated (PT) wood components shall conform to the applicable standards issued by the American Wood Preserver's Association and referenced by the latest edition of the International Residential Code.
5) When concrete caps are used, wood plates or other registered components are required. When wood caps are used, wood plates shall not be used. A maximum of 4 inches of wood including shims, nominal is allowed.