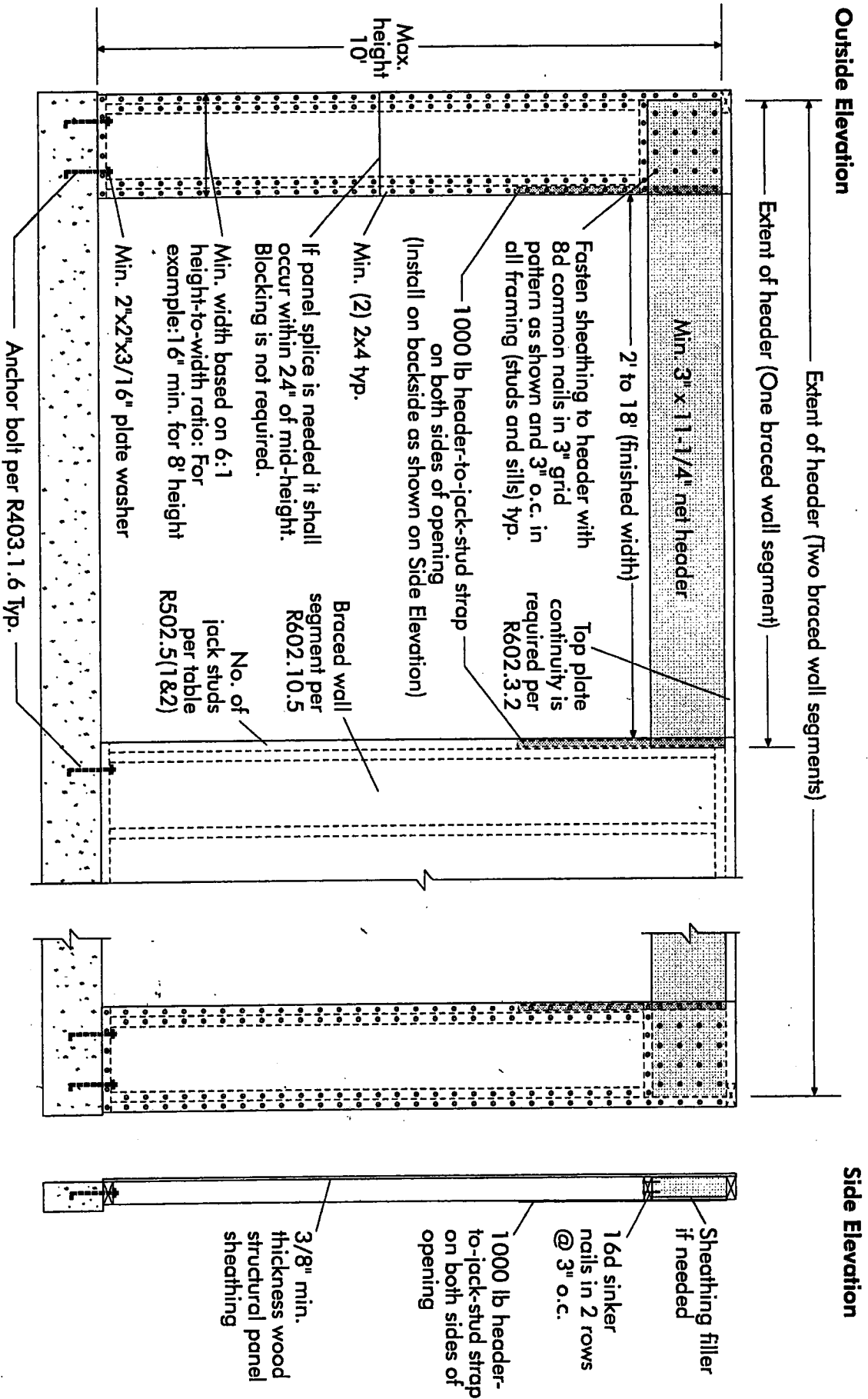


CONSTRUCTION DETAILS FOR THE APA NARROW-WALL BRACING METHOD WITHOUT HOLD-DOWNS



6:1 aspect ratio portal frame widths for common wall heights:

- Wall height = 8 ft portal frame length = 16 inches
- Wall height = 9 ft portal frame length = 18 inches
- Wall height = 10 ft portal frame length = 20 inches

Note: if masonry block is used, anchor bolts shall extend through the block with a minimum of 7-inch embedment into the foundation or into re-enforced cores with rebar embedment into the foundation.