

MASONRY WALL CONSTRUCTION

FOOTERS

STEM WALL

WIDTH:	Minimum 16 -inches wide for 1-story & 20 -inches wide for 2-story
DEPTH:	Minimum 8 -inches deep for 1-story & 10 -inches deep for 2-story
REBAR:	Minimum 2 - #5 run continuous and bent around corners with 25-inch lap

MONOLITHIC

WIDTH:	Minimum 12 -inches wide for 1-story & 16 -inches wide for 2-story
DEPTH:	Minimum 16-inches deep
REBAR:	Minimum 2 - #5 run continuous and bent around corners with 25-inch lap

REBAR

SIZE:	Minimum size #5 (5/8 inch diameter)
COVER:	3-inches in footers & where concrete is in direct contact with earth
BENDING:	Rebar must be cold bent (cannot be heated)

WALL CONSTRUCTION

VERTICAL STEEL:	Required at corners, maximum 8-foot apart, and each side of openings > 6-foot
BOND BEAM:	1 - #5 run continuous around perimeter and bent around corners
CONNECTIONS:	Bent & connected to bond beam and footer with standard 10-inch 90 degree hook
HORIZONTAL:	Minimum 9-gauge joint reinforcement at 16-inch center
BED JOINT:	Minimum 1/4-inch and maximum 3/4-inch thick
TOP PLATE:	Wood top plate must be 2-inch x 8-inch pressure treated
ANCHORS:	Wood top plate anchors minimum size 1/2-inch, maximum spacing 24-inch center

TRUSS CONNECTIONS

TRUSS SPACING:	Maximum spacing of 24-inches on center
WOOD TOP PLATE:	All nails must be used for truss strap (may be bent under top plate)
TO BOND BEAM:	META or HETA strap must be embedded in bond beam & wrapped over truss
SEPARATION:	Trusses must be separated from bond beam by metal plate