

# PERIMETER WALLS

# LIMESTONE BLOCK WALLS



FREE-STANDING SOLID LIMESTONE WALLS CAN BE BUILT IN THE DALLAS WIND PRESSURE ZONE WITHOUT REINFORCING USING THE FOLLOWING CRITERIA:

<u>WALL THICKNESS</u>	<u>MAXIMUM HEIGHT</u>
6"	5'-0"
8"	6'-8"
10"	8'-4"
12"	10'-0"

WALL HEIGHTS ARE ONLY VALID WHEN THE STONE IS LAID UP WITH TYPE S MORTAR.

WE RECOMMEND THAT ALL WALLS HAVE HORIZONTAL REINFORCING SUCH AS A LADDER TYPE BY DUR-O-WAL, INC. THE REINFORCING SHOULD BE AT A MINIMUM OF EVERY OTHER COURSE AND OUT-TO-OUT SIZE SHOULD BE 2 INCHES LESS THAN THE WALL THICKNESS.

EXPANSION JOINTS SHOULD BE FILLED AT A MAXIMUM OF 40 FEET ON CENTER. THESE JOINTS SHOULD BE FILLED WITH SEALANT. THE EXPANSION JOINT SHOULD ALSO FOLLOW THROUGH THE CONCRETE FOUNDATION.

IF A THINNER WALL IS DESIRABLE, COLUMNS AND/OR PILASTERS WILL HAVE TO BE ADDED. THE COLUMNS WOULD FORM APPROXIMATELY 2 FOOT SQUARES AND BE FILLED WITH MORTAR. THEY WOULD ALSO HAVE VERTICAL STEEL REINFORCING EXTENDING FROM THE FOUNDATION.

THE COST SAVINGS FROM THINNER STONE MAY BE QUESTIONABLE. A 6 INCH THICK WALL THAT IS 6 FEET TALL WOULD NEED COLUMNS AT ABOUT 15 FEET ON CENTER. COLUMN SPACING ANY LARGER THAN THIS REQUIRES TOO MUCH STEEL REINFORCING IN WALL.

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