

BUILDBLOCK® BUILDING SYSTEMS CANADIAN ENGINEERING TABLES

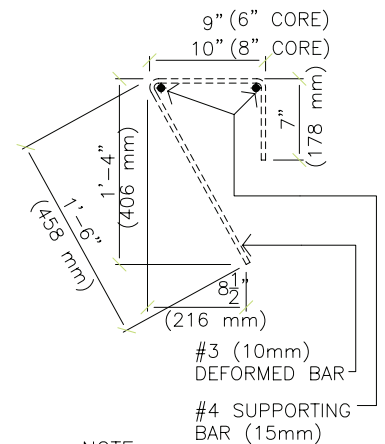
METRIC STEEL / METRIC SPACING

Wall Height (m)	Vertical Reinforcement	Horizontal Reinforcement
2.44 3.05 3.66	Ground floor ICF wall supporting a wood frame roof structure	
	15M@450 mm	15M@405mm
2.44 3.05 3.66	Ground floor ICF wall supporting a second storey wood frame and a wood frame roof structure	
	15M@450 mm	15M@405mm
2.44 3.05 3.66	Ground floor ICF wall supporting a second storey ICF wall and a wood frame roof structure	
	15M@450 mm	15M@405mm

Notes:

Table 2 is based on the following assumptions:
 Loads: Wind, seismic, and gravity
 Snow load: 1.9 kPa
 Floor load: 1.9 kPa
 Concrete: f_c at 28 days 20 MPa
 Reinforcement: f_y 400 MPa
 Wall thickness: 150 mm or 200 mm
 Wall openings: 2-15M all around

- STIRRUP SPACING:
1. VENEER – 1000 lb/ft (15kN/m @ 18" (450mm))
 2. VENEER – 1500 lb/ft (22kN/m @ 12" (300mm))



NOTE:
 ALL BENDS PER ANSI &
 STEEL INSTITUTE STANDARDS
 - STEEL GRADES AS SPECIFIED
 - DIMENSIONS TYPICAL FOR
 ALL LEDGE BLOCK APPLICATIONS



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Reinforcement for Above
 Grade Walls In All
 Seismic Zones

TABLE NUMBER

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