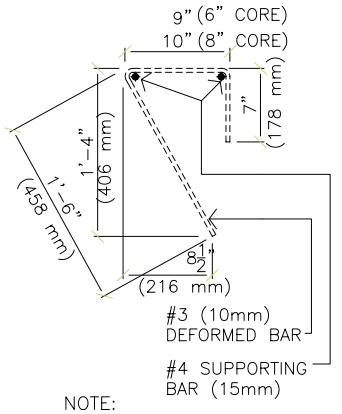
BUILDBLOCK© BUILDING SYSTEMS
CANADIAN ENGINEERING TABLES

METRIC STEEL / METRIC SPACING

Wall Height (m)	Backfill Height (m)	Without Brick Ledge		With Brick Ledge	
		150 mm Wall	200 mm Wall	150 mm Wall	200 mm Wall
2.44	1.22	15M@450	15M@450	15M@450	15M@450
	1.53	15M@450	15M@450	15M@450	15M@450
	1.83	15M@450	15M@450	15M@450	15M@450
	2.14	15M@450	15M@450	15M@300	15M@450
3.05	1.22	15M@450	15M@450	15M@450	15M@450
	1.53	15M@450	15M@450	15M@450	15M@450
	1.83	15M@450	15M@450	15M@300	15M@450
	2.14	15M@450	15M@450	15M@300	15M@300
	2.44	15M@300	15M@450	15M@150	15M@300
	2.75	15M@150	15M@300	15M@150	15M@150
3.66	1.22	15M@450	15M@450	15M@450	15M@450
	1.53	15M@450	15M@450	15M@450	15M@450
	1.83	15M@450	15M@450	15M@300	15M@450
	2.14	15M@300	15M@450	15M@150	15M@300
	2.44	15M@150	15M@300	15M@150	15M@300
	2.75	15M@150	15M@300		15M@150
	3.05		15M@150		15M@150
	3.36		15M@150		15M@150

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

Notes:
Table 1-A is based on the following assumptions:
Loads: earth pressure, surcharge, seismic, and gravity (gravity load includes 2 storeys ICF wall and wood frame roof)
Snow load: 1.9 kPa
Floor load: 1.9 kPa
Concrete: f'c at 28 days 20 MPa
Reinforcement: fy 400 MPa
Horizontal reinforcement: 15M@405mm throughout
Wall Openings: 2-15M all around

BuildBlock Building Systems Typical Veneer Weight (kN/m)		
Height (m)	3½" brick	4" stone/ concrete
2.4	4.5	6
3	5.5	7.5
4	7	10
5	9	12
6	11	15
7	12	17
8	14	20
9	16	22

LICENSED PROFESSIONAL ENGINEER
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Vertical Reinforcement for 6" (150mm) and 8" (200mm) Below Grade Walls in Seismic Zones 0, 1 & 2

TABLE NUMBER
1-A