

Amvic Basic Estimator

For 4", 6" and 8" block



Project Name: _____

Project Address: _____

Contact person: _____ Phone: _____

Line

1	Determine wall height		feet
2	Divide Line 1 above by 16" (1.333 ft) and round up. This is the number of courses required.		number of courses
3	Count the number of 90-degree corners in the structure.		# of 90-deg corners
4	Determine the number of 90-degree corner forms required (multiply Line 2 by Line3).		# of 90 deg ICF forms to order
5	Count the number of 45-degree corners in the structure.		# of 45-deg corners
6	Determine the number of 45-degree forms required (multiply Line 5 by Line 2).		# of 45 deg ICF forms to order
7	Measure the total linear feet of wall		feet
8	Multiply Line 1 times Line 7. This is the total area of wall to be formed . This is the Gross Square Footage (GSF) of the structure ICF walls.		Gross Square Footage
9	Calculate the total square footage of the 90-degree corner blocks from the GSF. To do this multiply 5.44, 4.56 or 5.00 (for 4", 6" or 8" forms respectively) sq. foot times Line 4		
10	Calculate the total square footage of the 45-degree corner blocks from the GSF. To do this multiply 4.66, 3.56 or 3.56 (for 4", 6" or 8" forms respectively) sq. foot times Line 6		
11	Calculate the total area that the doors and windows take that are installed in ICF walls. [multiply length times width of all openings and total the sum]		Total area of doors and windows
12	Calculate 60% of the area door and window openings (the rest is lost as waste)		60%
13	Add the total of Lines 9, 10 and 12.		
14	Subtract Line 13 from Line 8 ----The number that remains is the Net Square Footage (NSF) of wall to be formed by straight blocks.		Net Square Footage
15	Divide Line14 (NSF) by 5.33 to determine the number of straight forms required		# of straight forms req'd
16	Calculate extras for waste -- multiply Line 15 by 0.02 (2%)		Extras
17	Add Lines 15 +16. This is the Total straight forms to order		Total straight forms to order
18	Corner rods. Divide Line 4 by 7.00. This is the number of 9.3 ft corner rods to order.		# of corner rods to order
19	Stepped stem walls. <u>Calculating stepped stem wall block requirements is accomplished by drawing a scaled drawing of the wall section and detailing each block and counting the blocks.</u> It is challenging to accurately calculate the block required, as it has been our experience that until the footings are dug and set, the final plan is rarely accurately depicted		

Other options

Go to the Amvic website at www.amvicsystem.com and use the online estimator

From the www.amvic-pacific.com website download the Amvic Estimator Excel Spreadsheet

Also Amvic Pacific at 530-265-9085 will accept plans from customers and do a complete takeoff and quote.