



ESTIMATOR 88
TUTORIAL

ESTIMATOR 88 TUTORIAL

1. MICROSOFT OFFICE 2016 IS RECOMMENDED.
2. THIS ESTIMATOR IS FOR OMNI BLOCK 8X8X16.
3. THE ESTIMATOR IS TO USED FOR THE PURPOSES OF ESTIMATING AND SHOULD NOT BE USED IN ANY WAY AS A CONTRACT.
4. IN NO WAY DOES THIS ESTIMATOR TOOL BIND OMNI BLOCK. EACH USER MUST VERIFY THE ACTUAL RESULTS OF THE ESTIMATOR TOOL.
5. INDEPENDENT OF THIS PROGRAM, A DETERMINATION OF THE REQUIRED DATA POINTS MUST BE COMPLETED (USE BID SHEET FORM - SEE PAGE 28 OF THIS TUTORIAL).
6. PERFORM A "SAVE AS" IMMEDIATELY SO THERE IS AN ORIGINAL VERSION .
7. THE GREEN CELLS IN THE PROGRAM ARE THE ONLY CELLS THAT DATA CAN BE ENTERED. THE OTHERS ARE PROTECTED.
8. ESTIMATOR 88 HAS 5 SECTIONS:
 - A. WALL INFORMATION
 - B. WINDOWS AND DOORS
 - C. QUANTITY CALCULATIONS
 - D. WHOLESALE COST
 - E. QUICK ESTIMATEAN AUXILIARY HIDDEN AREA IS PRICING.
9. EACH STEP FULLY EXPLAINS THE DATA ENTRY FIELD AND ITS USE.
10. UNIT PRICING SHOULD BE SUPPLIED BY A LOCAL DISTRIBUTOR. OMNI BLOCK CANNOT ALWAYS SUPPLY THIS INFORMATION BECAUSE LOCAL BLOCK PLANTS CONTROL UNIT PRICING DUE TO LOCAL AGGREGATE AND LABOR COSTS.
11. IN ORDER TO BECOME FAMILIAR WITH THE ESTIMATOR, USE THE SAME ENTRY NUMBERS AS THIS TUTORIAL. ONCE FAMILIAR, CHANGE ENTRIES TO SEE HOW THE VARIOUS DATA FIELDS RELATE/AFFECT OTHER DATA FIELDS.

A MAXIMUM OF 5 DIFFERENT OMNI BLOCK WALL HEIGHTS MAY BE USED; 2 FOR 8" STANDARD CMU AND 1 FOR 4" STANDARD CMU.

1. ENTER THE NUMBER OF DIFFERENT WALL HEIGHTS FOR OMNI BLOCK AND IF USED, 8" AND/OR 4" HIGH STANDARD CMU.

WALL HEIGHT COLUMNS ONLY APPEAR WHEN THERE IS A NEED FOR THEM. IF 1 IS ENTERED FOR OMNI BLOCK WALL HEIGHT, THEN THE OTHER 4 DO NOT APPEAR.

WALL INFORMATION

Number of Omni Block Wall Heights
 Number of 8" CMU Wall Heights
 Number of 4" CMU Wall Heights

	Omni Block Height 1	Omni Block Height 2	Omni Block Height 3	Omni Block Height 4	Omni Block Height 5	8" CMU Height 1	8" CMU Height 2	4" CMU Height 1
Wall Height								0.33
Top of Wall Bond Beam (Yes / No)								No
Wall Length								
Number of Corners								
Total Windows and Doors								
Total Wall Square Feet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Square Feet of Windows and Doors	0.00							
Vertical Height of Windows and Doors	0.00							



- FOR THIS TUTORIAL, ENTER 2 OMNI BLOCK WALL HEIGHTS, 1 8" CMU AND 1 4" CMU.
- USING THE DROP DOWN MENU UNDER "WALL HEIGHT 1" SCROLL DOWN TO 10.00.

NOTICE THAT THE DROP DOWN MENU ONLY ALLOWS FOR BLOCK MODULE (8" INCREMENT) OPTIONS. THIS IS AN ESTIMATION TOOL FOR THE 8" HIGH OMNI BLOCK MODEL AND IS ONLY AVAILABLE IN 8" HIGH UNITS. THERE IS A SEPARATE ESTIMATION TOOL FOR THE OMNI BLOCK 4" HIGH MODEL.

WALL INFORMATION

Number of Omni Block Wall Heights	2
Number of 8" CMU Wall Heights	1
Number of 4" CMU Wall Heights	1

	Omni Block Height 1	Omni Block Height 2			
Wall Height	▼				
Top of Wall Bond Beam (Yes / No)					
Wall Length	2.67				
Number of Corners	3.33				
Total Windows and Doors	4.00				
Total Wall Square Feet	4.67	0.00			
Total Square Feet of Windows and Doors	5.33				
Vertical Height of Windows and Doors	6.00				
	6.67				
	7.33				
	8.00				
	8.67				
	9.33				
	10.00				
	10.67				

8" CMU Height 1	4" CMU Height 1
	0.33
	No

QUANTITY CALCULATIONS

BLOCK	Omni Block Height 2	8" CMU Height 1	4" CMU Height 1	TOTALS
Stretchers	0			0
Corners	0			0
8 x 8 x 8 Halfs				0
8 x 8 x 16 Bond Beam CMU				0

ALL WALL LENGTHS SHOULD BE BLOCK MODULE. BLOCK MODULE MEANS THAT THE LENGTH MUST BE DIVISIBLE BY 8".

A WAY TO IMMEDIATELY TELL IF A WALL IS BLOCK MODULE:

- 1) ANY EVEN NUMBER; 2'0", 4'0", 6'0", 8'0"...
- 2) AND EVEN NUMBER PLUS 8"; 2'8", 4'8", 6'8"...
- 3) ANY ODD NUMBER PLUS 4"; 1'4", 3'4", 5'4"...

4. UNDER WALL HEIGHT 1 USE THE DROP DOWN MENU IN THE "TOP OF WALL BOND BEAM" CELL ENTER "YES" (EXPLANATION IS ON PAGE 10).

5. ENTER 100 IN THE WALL LENGTH CELL. THE WALL IS 10'0" HIGH BY 100'00" LONG.

ADD 12'0" THEN YES THEN 100'0" UNDER "HEIGHT 2".

IN THE EVENT A WALL LENGTH IS NOT BLOCK MODULE, ROUND UP THE DATA ENTRY TO THE NEXT BLOCK MODULE DIMENSION.

EXAMPLE: A WALL LENGTH OF 99'6" MUST BE ENTERED AS 100'0".

WALL INFORMATION									
Number of Omni Block Wall Heights	2								
Number of 8" CMU Wall Heights	1								
Number of 4" CMU Wall Heights	1								
	Omni Block Height 1	Omni Block Height 2					8" CMU Height 1	4" CMU Height 1	
Wall Height	10.00							0.33	
Top of Wall Bond Beam (Yes / No)	Yes							No	
Wall Length	100.00								
Number of Corners									
Total Windows and Doors									
Total Wall Square Feet	1,000.00	0.00					0.00	0.00	
Total Square Feet of Windows and Doors	0.00								
Vertical Height of Windows and Doors	0.00								

6. IN THIS TUTORIAL THERE ARE 4 WINDOWS THAT ARE 4'0" X 6'0". ENTER 4 IN THE FIRST LINE UNDER THE QUANTITY COLUMN.

7. USING THE DROP DOWN MENU UNDER WIDTH, SELECT 4.00.

8. USING THE DROP DOWN MENU UNDER HEIGHT, SELECT 6.00.

NOTICE THAT THE DROP DOWN MENU ONLY ALLOWS FOR BLOCK MODULE (8" INCREMENT) OPTIONS.

ANY TIME YOUR WINDOW DIMENSION IS NOT BLOCK MODULE USE THE NEXT CLOSEST SMALLER OPTION. THEREFORE, A 5'0" WINDOW DIMENSION WOULD REQUIRE A 4'8" DATA ENTRY.

THE FORM SHOULD APPEAR AS SHOWN BELOW.

WINDOWS AND DOORS				
QUANTITY	WIDTH	HEIGHT	VERTICAL	SQ. FT.
4			0.00	0.00
	0.67			
	1.33			
	2.00			
	2.67			
	3.33			
	4.00			
	4.67			
	5.33			
	6.00			
	6.67			
	7.33			
	8.00			

WINDOWS AND DOORS				
QUANTITY	WIDTH	HEIGHT	VERTICAL	SQ. FT.
4	4.00		0.00	0.00
		0.67		
		1.33		
		2.00		
		2.67		
		3.33		
		4.00		
		4.67		
		5.33		
		6.00		
		6.67		
		7.33		
		8.00		

WINDOWS AND DOORS				
QUANTITY	WIDTH	HEIGHT	VERTICAL	SQ. FT.
4	4.00	6.00	24.00	96.00

THE GOAL OF THIS ESTIMATOR TO PROVIDE VERY ACCURATE TOTAL QUANTITIES FOR THE ENTIRE PROJECT AS EFFECIENTLY AS POSSIBLE. IN ORDER TO ACCOMPLISH THIS GOAL, ALL OF THE WINDOW AND DOOR OPENING SQUARE FOOTAGES ARE DEDUCTED FROM "WALL HEIGHT 1". ALL OF THE HALVES ARE INCLUDED IN "WALL HEIGHT 1" AS WELL.. THIS MEANS THAT MORE BLOCK WILL BE DEDUCTED FROM WALL HEIGHT 1 THAN WOULD BE REQUIRED TO ACTUALLY BUILD IT.

THEREFORE, THE BLOCK AND INSERT QUANTITIES WILL ALWAYS BE UNDERSTATED FOR WALL HEIGHT 1 AND OVER STATED FOR ANY SUBSEQUENT WALLS WITH OPENINGS IN THEM, BUT THE TOTAL REQUIRED TO BUILD ALL WALLS WILL BE ACCURATE.

ALL QUANTITIES ARE AUTOMTICALLY CALCULATED FROM THE DATA THAT IS ENTERED IN THE VARIOUS CELLS IN THE "WALL INFORMATION" SECTION. THE TOTALS REPRESENT THE MINIMUM QUANTITIES REQUIRED. THESE TOTALS DO NOT ACCOUNT FOR ANY BLOCK BREAKAGE, MIS-HANDLING, MIS-CUTS, OR POSSIBLE MINOR "AS BUILT" CHANGES.

Total Square Feet of Windows and Doors 197.23
 Vertical Height of Windows and Doors 47.99

QUANTITY CALCULATIONS

BLOCK	Omni Block Height 1	Omni Block Height 2	8" CMU Height 1	4" CMU Height 1	TOTALS
Stretchers	685	1,059			1,744
Corners	108	216			324
8 x 8 x 8 Halfs	72				72
8 x 8 x 16 Bond Beam CMU	75	75	162		312
8 x 8 x 16 CMU			324		324
8 x 4 x 16 CMU				12	12
INSERTS					
Short Inserts	961	1,518			2,479
Long Inserts	739	1,167			1,906

BOND BEAM CMU IS GENERALLY USED AT THE TOP OF WALL IF THE STRUCTURAL ENGINEER SPECIFIES 2 #5 REBAR. ENTERING "NO" MEANS THAT THE ENTIRE WALL WILL BE OMNI BLOCK. IF "YES" IS ENTERED, THEN ONE COURSE OF OMNI BLOCK IS DEDUCTED AND REPLACED BY BOND BEAM CMU.

IN THIS EXAMPLE, BOND BEAM BLOCK IS REQUIRED, THEREFORE "YES" IS ENTERED FROM THE DROP DOWN MENU IN BOTH WALL HEIGHTS. NOTICE 15 BOND BEAM BLOCK ARE ADDED WHICH MEANS 15 OMNI BLOCK ARE DEDUCTED FROM EACH WALL HEIGHT.

Number of Omni Block Wall Heights	2	
Number of 8" CMU Wall Heights	1	
Number of 4" CMU Wall Heights	1	
	Omni Block Height 1	Omni Block Height 2
Wall Height	10.00	12.00
Top of Wall Bond Beam (Yes / No)	Yes	Yes
Wall Length	100.00	100.00
Number of Corners	4	2
Total Windows and Doors	4	5
Total Wall Square Feet	1,000.00	1,200.00
Total Square Feet of Windows and Doors	197.23	
Vertical Height of Windows and Doors	47.99	

BLOCK	Omni Block Height 1	Omni Block Height 2
Stretchers	685	1,059
Corners	108	216
8 x 8 x 8 Halfs	72	
8 x 8 x 16 Bond Beam CMU	75	75
8 x 8 x 16 CMU		
8 x 4 x 16 CMU		

Item	Price
Stretchers	\$1.80
Corners	\$1.95
8 x 8 x 8 Halfs	\$1.40
8 x 8 x 16 CMU	\$1.60
8 x 8 x 16 Bond Beam CMU	\$1.60
8 x 4 x 16 CMU	\$1.55

Short Inserts	\$0.96
Long Inserts	\$1.06

Block Freight	\$400
Foam Insert Freight	\$600

Pallet Charge	\$15.00
Pallet Shrink Wrap Fee	\$2.00

Pallet Refund	\$11.00
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14. ENTER THE INDIVIDUAL LOCAL PRICES FOR EACH ITEM IN THIS SECTION, WHICH IS TO THE LEFT OF THE PRINTABLE SECTION.

THIS ENTIRE PRICING SECTION IS HIDDEN WHEN THE PAGE IS PRINTED.

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ESTIMATOR 88
STEP 14



15. DETERMINE STRETCHER ORDER QUANTITY. STRETCHERS ARE USUALLY STACKED 90 TO A PALLET.

FROM THE "QUANTITY CALCULATIONS" SECTION, MINIMUM STRETCHERS REQUIRED TOTAL 1744. ROUNDING UP TO THE NEXT FULL PALLET, THERE WOULD BE 20 PALLETS OR 1800 STRETCHERS PUT ON THE ORDER.

THIS WOULD MEAN THAT 56 EXTRA STRETCHER BLOCK WOULD BE INCLUDED IN THE 1800..

QUANTITY CALCULATIONS

BLOCK	Omni Block Height 1	Omni Block Height 2	8" CMU Height 1	4" CMU Height 1	TOTALS
Stretchers	685	1,059			1,744
Corners	108	216			324
8 x 8 x 8 Halfs	72				72
8 x 8 x 16 Bond Beam CMU	75	75	162		312
8 x 8 x 16 CMU			324		324
8 x 4 x 16 CMU				12	12
INSERTS					
Short Inserts	961	1,518			2,479
Long Inserts	739	1,167			1,906

WHOLESALE COST

	Required Pallets	Extra Block	+/- Pallets	Total Extra	Total Pallets	Quantity	Price	Total Cost
OMNI BLOCK:								
Stretchers	20.0	56	0.0	56	20.0	1,800	\$1.80	\$3,240.00
Corners	4.0	36	0.0	36	4.0	360	\$1.95	\$702.00
Total Omni Block								\$3,942.00
OTHER CMU BLOCK:								
8 x 8 x 8 Halfs	1.0	108	0.0	108	1.0	180	\$1.40	\$252.00
8 x 8 x 16 Bond Beam CMU	4.0	48	0.0	48	4.0	360	\$1.60	\$576.00
8 x 8 x 16 CMU	4.0	36	0.0	36	4.0	360	\$1.60	\$576.00
8 x 4 x 16 CMU	1.0	168	0.0	168	1.0	180	\$1.55	\$279.00
Total Other CMU Block								\$1,404.00
TOTAL BLOCK								\$5,346.00

15A. ADJUST AMOUNT OF STRETCHERS ON THE ORDER BY ADDING A PALLET (OR FRACTION OF A PALLET) IN THE +/- PALLETS CELL. IN THIS EXAMPLE AN EXTRA PALLET IS ADDED TO THE ORDER. THIS MEANS THAT THERE ARE 56 EXTRA BLOCK PLUS 90 STRETCHER BLOCK DUE TO THE ADDITIONAL PALLET TOTALLING 146 EXTRA STRETCHER BLOCK.

NOW THERE ARE 21 PALLETS OF STRETCHER BLOCK ON THE ORDER TOTALLING 1,890.

QUANTITY CALCULATIONS

BLOCK	Omni Block Height 1	Omni Block Height 2	8" CMU Height 1	4" CMU Height 1	TOTALS
Stretchers	685	1,059			1,744
Corners	108	216			324
8 x 8 x 8 Halfs	72				72
8 x 8 x 16 Bond Beam CMU	75	75	162		312
8 x 8 x 16 CMU			324		324
8 x 4 x 16 CMU				12	12
INSERTS					
Short Inserts	961	1,518			2,479
Long Inserts	739	1,167			1,906

WHOLESALE COST

	Required Pallets	Extra Block	+/- Pallets	Total Extra	Total Pallets	Quantity	Price	Total Cost
OMNI BLOCK:								
Stretchers	20.0	56	1.0	146	21.0	1,890	\$1.80	\$3,402.00
Corners	4.0	36	0.0	36	4.0	360	\$1.95	\$702.00
Total Omni Block								\$4,104.00
OTHER CMU BLOCK:								
8 x 8 x 8 Halfs	1.0	108	0.0	108	1.0	180	\$1.40	\$252.00
8 x 8 x 16 Bond Beam CMU	4.0	48	0.0	48	4.0	360	\$1.60	\$576.00
8 x 8 x 16 CMU	4.0	36	0.0	36	4.0	360	\$1.60	\$576.00
8 x 4 x 16 CMU	1.0	168	0.0	168	1.0	180	\$1.55	\$279.00
Total Other CMU Block								\$1,404.00
TOTAL BLOCK								\$5,508.00

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ESTIMATOR 88
STEP 15A



16. DETERMINE CORNER ORDER QUANTITY. CORNERS ARE STACKED 90 TO A PALLET. THERE ARE LEFT AND RIGHT CORNERS STACKED SEPARATELY. THERE ARE AN EVEN AMOUNT OF RIGHTS (50%) AND LEFTS (50%) CORNERS ON MOST EVERY PROJECT. NOTE, THE CORNERS CAN BE FLIPPED UPSIDE DOWN AND EFFECTIVELY USED THUS REDUCING THE EXACTNESS OF THE ORDER QUANTITY.

FROM THE "QUANTITY CALCULATIONS" SECTION THE TOTAL REQUIRED CORNERS ARE 324. ROUNDING UP TO THE NEXT FULL PALLET, THERE WOULD BE 4 PALLETS OR 360 CORNERS PUT ON THE ORDER, WHICH WOULD INCLUDE 36 EXTRA CORNER BLOCK. 36 BLOCK IS AN ALLOWANCE OF A LITTLE OVER 10% AND SHOULD BE ENOUGH EXTRA CORNER BLOCK. THE CORNERS CAN BE ADJUSTED BY ENTERING AN ADDITIONAL NUMBER OF PALLETS IN THE +/- PALLETS CELL.

QUANTITY CALCULATIONS

BLOCK	Omni Block Height 1	Omni Block Height 2	8" CMU Height 1	4" CMU Height 1	TOTALS
Stretchers	685	1,059			1,744
Corners	108	216			324
8 x 8 x 8 Halfs	72				72
8 x 8 x 16 Bond Beam CMU	75	75	162		312
8 x 8 x 16 CMU			324		324
8 x 4 x 16 CMU				12	12
INSERTS					
Short Inserts	961	1,518			2,479
Long Inserts	739	1,167			1,906

WHOLESALE COST

	Required Pallets	Extra Block	+/- Pallets	Total Extra	Total Pallets	Quantity	Price	Total Cost
OMNI BLOCK:								
Stretchers	20.0	56	1.0	146	21.0	1,890	\$1.80	\$3,402.00
Corners	4.0	36	0.0	36	4.0	360	\$1.95	\$702.00
Total Omni Block								\$4,104.00
OTHER CMU BLOCK:								
8 x 8 x 8 Halfs	1.0	108	0.0	108	1.0	180	\$1.40	\$252.00
8 x 8 x 16 Bond Beam CMU	4.0	48	0.0	48	4.0	360	\$1.60	\$576.00
8 x 8 x 16 CMU	4.0	36	0.0	36	4.0	360	\$1.60	\$576.00
8 x 4 x 16 CMU	1.0	168	0.0	168	1.0	180	\$1.55	\$279.00
Total Other CMU Block								\$1,404.00
TOTAL BLOCK								\$5,508.00

17. DETERMINE THE NUMBER OF 8X8X8 HALFS. HALFS ARE STACKED 180 TO A PALLET. FROM THE "QUANTITY CALCULATIONS" SECTION, TOTAL HALF BLOCK REQUIRED IS 72. ROUNDING UP TO THE NEXT FULL PALLET, THERE WOULD BE 1 PALLET OR 180 HALFS PUT ON THE ORDER, THIS WOULD INCLUDE 108 EXTRA HALFS AND THAT IS FAR TOO MANY TO PUT ON THE ORDER.

HALFS ARE REQUIRED AT ALL WINDOW AND DOOR JAMBS AT A FREQUENCY OF ONE EVERY OTHER COURSE ON BOTH SIDES OF THE OPENING. THIS IS WHY THE VERTICAL HEIGHT OF ALL OPENINGS IS PART OF THE AUTOMATIC CALCULATIONS. IF THERE IS A SITUATION WHERE A BLOCK WALL ENDS OR THERE ARE CONTROL JOINTS, THE HALFS CAN BE ADDED BY ADJUSTING THE +/- PALLETS COLUMN.

QUANTITY CALCULATIONS

BLOCK	Omni Block Height 1	Omni Block Height 2	8" CMU Height 1	4" CMU Height 1	TOTALS
Stretchers	685	1,059			1,744
Corners	108	216			324
8 x 8 x 8 Halfs	72				72
8 x 8 x 16 Bond Beam CMU	75	75	162		312
8 x 8 x 16 CMU			324		324
8 x 4 x 16 CMU				12	12
INSERTS					
Short Inserts	961	1,518			2,479
Long Inserts	739	1,167			1,906

WHOLESALE COST

	Required Pallets	Extra Block	+/- Pallets	Total Extra	Total Pallets	Quantity	Price	Total Cost
OMNI BLOCK:								
Stretchers	20.0	56	1.0	146	21.0	1,890	\$1.80	\$3,402.00
Corners	4.0	36	0.0	36	4.0	360	\$1.95	\$702.00
Total Omni Block								\$4,104.00
OTHER CMU BLOCK:								
8 x 8 x 8 Halfs	1.0	108	0.0	108	1.0	180	\$1.40	\$252.00
8 x 8 x 16 Bond Beam CMU	4.0	48	0.0	48	4.0	360	\$1.60	\$576.00
8 x 8 x 16 CMU	4.0	36	0.0	36	4.0	360	\$1.60	\$576.00
8 x 4 x 16 CMU	1.0	168	0.0	168	1.0	180	\$1.55	\$279.00
Total Other CMU Block								\$1,404.00
TOTAL BLOCK								\$5,508.00

17A. ADJUST AMOUNT OF HALFS ON THE ORDER BY ENTERING A NEGATIVE FRACTION (EXPRESSED BY A DECIMAL) IN THE +/- PALLETS CELL. IN THIS EXAMPLE A -0.50 IS ENTERED EFFECTIVELY REDUCING THE ORDER TO 1/2 OF A PALLET. NOW THERE ARE ONLY 18 EXTRA HALF BLOCK (108 - 90).

THEREFORE, 18 PLUS THE 72 FROM THE "QUANTITY CALCULATIONS" TOTAL 90 HALF BLOCK TO BE PUT ON THE ORDER. THIS SHOULD BE PLENTY OF EXTRA HALFS.

QUANTITY CALCULATIONS

BLOCK	Omni Block Height 1	Omni Block Height 2	8" CMU Height 1	4" CMU Height 1	TOTALS
Stretchers	685	1,059			1,744
Corners	108	216			324
8 x 8 x 8 Halfs	72				72
8 x 8 x 16 Bond Beam CMU	75	75	162		312
8 x 8 x 16 CMU			324		324
8 x 4 x 16 CMU				12	12
INSERTS					
Short Inserts	961	1,518			2,479
Long Inserts	739	1,167			1,906

WHOLESALE COST

	Required Pallets	Extra Block	+/- Pallets	Total Extra	Total Pallets	Quantity	Price	Total Cost
OMNI BLOCK:								
Stretchers	20.0	56	1.0	146	21.0	1,890	\$1.80	\$3,402.00
Corners	4.0	36	0.0	36	4.0	360	\$1.95	\$702.00
Total Omni Block								\$4,104.00
OTHER CMU BLOCK:								
8 x 8 x 8 Halfs	1.0	108	(0.5)	18	0.5	90	\$1.40	\$126.00
8 x 8 x 16 Bond Beam CMU	4.0	48	0.0	48	4.0	360	\$1.60	\$576.00
8 x 8 x 16 CMU	4.0	36	0.0	36	4.0	360	\$1.60	\$576.00
8 x 4 x 16 CMU	1.0	168	0.0	168	1.0	180	\$1.55	\$279.00
Total Other CMU Block								\$1,278.00
TOTAL BLOCK								\$5,382.00

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ESTIMATOR 88
STEP 17A



18. DETERMINE THE NUMBER OF 8X8X16 BOND BEAM CMU. BOND BEAM CMU ARE STACKED 90 TO A PALLET.

FROM THE QUANTITY CALCULATIONS SECTION, THERE ARE 312 BOND BEAM CMU REQUIRED. ROUNDING UP TO THE NEXT FULL PALLET, THERE WOULD BE 4 PALLETS OR 360 BOND BEAM CMU'S PUT ON THE ORDER.

360 WOULD INCLUDE 48 EXTRA BOND BEAM CMU'S AND FOR THIS EXAMPLE, ASSUME THAT IS TOO MANY EXTRA BOND BEAM CMU BLOCK.

QUANTITY CALCULATIONS

BLOCK	Omni Block Height 1	Omni Block Height 2	8" CMU Height 1	4" CMU Height 1	TOTALS
Stretchers	685	1,059			1,744
Corners	108	216			324
8 x 8 x 8 Halfs	72				72
8 x 8 x 16 Bond Beam CMU	75	75	162		312
8 x 8 x 16 CMU			324		324
8 x 4 x 16 CMU				12	12
INSERTS					
Short Inserts	961	1,518			2,479
Long Inserts	739	1,167			1,906

WHOLESALE COST

	Required Pallets	Extra Block	+/- Pallets	Total Extra	Total Pallets	Quantity	Price	Total Cost
OMNI BLOCK:								
Stretchers	20.0	56	1.0	146	21.0	1,890	\$1.80	\$3,402.00
Corners	4.0	36	0.0	36	4.0	360	\$1.95	\$702.00
Total Omni Block								\$4,104.00
OTHER CMU BLOCK:								
8 x 8 x 8 Halfs	1.0	108	(0.5)	18	0.5	90	\$1.40	\$126.00
8 x 8 x 16 Bond Beam CMU	4.0	48	0.0	48	4.0	360	\$1.60	\$576.00
8 x 8 x 16 CMU	4.0	36	0.0	36	4.0	360	\$1.60	\$576.00
8 x 4 x 16 CMU	1.0	168	0.0	168	1.0	180	\$1.55	\$279.00
Total Other CMU Block								\$1,278.00
TOTAL BLOCK								\$5,382.00

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ESTIMATOR 88
STEP 18



18A ADJUST AMOUNT OF BOND BEAM CMU ON THE ORDER BY ENTERING A NEGATIVE FRACTION (EXPRESSED BY A DECIMAL) IN THE +/- PALLETS CELL IN THIS EXAMPLE A -0.40 IS ENTERED. THERE ARE NOW ONLY 12 EXTRA BOND BEAM CMU BLOCK (48 - 36) BECAUSE 36 IS 40% OR 0.40 OF A FULL PALLET.

THE ORDER WOULD NOW HAVE 324 BOND BEAM CMU ON IT.

QUANTITY CALCULATIONS

BLOCK	Omni Block Height 1	Omni Block Height 2	8" CMU Height 1	4" CMU Height 1	TOTALS
Stretchers	685	1,059			1,744
Corners	108	216			324
8 x 8 x 8 Halfs	72				72
8 x 8 x 16 Bond Beam CMU	75	75	162		312
8 x 8 x 16 CMU			324		324
8 x 4 x 16 CMU				12	12
INSERTS					
Short Inserts	961	1,518			2,479
Long Inserts	739	1,167			1,906

WHOLESALE COST

	Required Pallets	Extra Block	+/- Pallets	Total Extra	Total Pallets	Quantity	Price	Total Cost
OMNI BLOCK:								
Stretchers	20.0	56	1.0	146	21.0	1,890	\$1.80	\$3,402.00
Corners	4.0	36	0.0	36	4.0	360	\$1.95	\$702.00
Total Omni Block								\$4,104.00
OTHER CMU BLOCK:								
8 x 8 x 8 Halfs	1.0	198	(0.5)	19	0.5	90	\$1.40	\$126.00
8 x 8 x 16 Bond Beam CMU	4.0	48	(0.4)	12	3.6	324	\$1.60	\$518.40
8 x 8 x 16 CMU	4.0	36	0.0	36	4.0	360	\$1.60	\$576.00
8 x 4 x 16 CMU	1.0	168	0.0	168	1.0	180	\$1.55	\$279.00
Total Other CMU Block								\$1,220.40
TOTAL BLOCK								\$5,324.40

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ESTIMATOR 88
STEP 18A



19. DETERMINE THE NUMBER OF 8X8X16 CMU. 8X8X16 CMU ARE STACKED 30 TO A PALLET.

FROM THE "QUANTITY CALCULATIONS" SECTION, THERE ARE 324 8X8X16 CMU'S REQUIRED. ROUNDING UP TO THE NEXT FULL PALLET, THERE WOULD BE 4 PALLETS OR 360 8X8X16 CMU'S PUT ON THE ORDER.

360 WOULD INCLUDE 36 EXTRA 8X8X16 CMU'S AND THAT IS PROBABLY ABOUT THE RIGHT AMOUNT.

THIS BLOCK QUANTITY CAN BE ADJUSTED THE SAME AS THE OTHER EXAMPLES PROVIDED THUS FAR.

QUANTITY CALCULATIONS

BLOCK	Omni Block Height 1	Omni Block Height 2	8" CMU Height 1	4" CMU Height 1	TOTALS
Stretchers	685	1,059			1,744
Corners	108	216			324
8 x 8 x 8 Halfs	72				72
8 x 8 x 16 Bond Beam CMU	75	75	162		312
8 x 8 x 16 CMU			324		324
8 x 4 x 16 CMU				12	12
INSERTS					
Short Inserts	961	1,518			2,479
Long Inserts	739	1,167			1,906

WHOLESALE COST

	Required Pallets	Extra Block	+/- Pallets	Total Extra	Total Pallets	Quantity	Price	Total Cost
OMNI BLOCK:								
Stretchers	20.0	56	1.0	146	21.0	1,890	\$1.80	\$3,402.00
Corners	4.0	36	0.0	36	4.0	360	\$1.95	\$702.00
Total Omni Block								\$4,104.00
OTHER CMU BLOCK:								
8 x 8 x 8 Halfs	1.0	108	(0.5)	18	0.5	90	\$1.40	\$126.00
8 x 8 x 16 Bond Beam CMU	4.0	48	(0.4)	12	3.6	324	\$1.60	\$518.40
8 x 8 x 16 CMU	4.0	36	0.0	36	4.0	360	\$1.60	\$576.00
8 x 4 x 16 CMU	1.0	168	0.0	168	1.0	180	\$1.55	\$279.00
Total Other CMU Block								\$1,220.40
TOTAL BLOCK								\$5,324.40

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ESTIMATOR 88
STEP 19



20. DETERMINE THE NUMBER OF 8X4X16 CMU. THEY ARE STACKED 180 TO A PALLET.

FROM THE "QUANTITY CALCULATIONS" SECTION, THERE ARE 12 8X4X16 CMU REQUIRED. ROUNDING UP TO THE NEXT FULL PALLET, THERE WOULD BE 1 PALLET OR 180 8X4X16 CMU'S PUT ON THE ORDER.

180 WOULD INCLUDE 168 EXTRA 8X4X16 CMU'S AND THAT IS FAR TOO MANY.

QUANTITY CALCULATIONS

BLOCK	Omni Block Height 1	Omni Block Height 2	8" CMU Height 1	4" CMU Height 1	TOTALS
Stretchers	685	1,059			1,744
Corners	108	216			324
8 x 8 x 8 Halfs	72				72
8 x 8 x 16 Bond Beam CMU	75	75	162		312
8 x 8 x 16 CMU			324		324
8 x 4 x 16 CMU				12	12
INSERTS					
Short Inserts	961	1,518			2,479
Long Inserts	739	1,167			1,906

WHOLESALE COST

	Required Pallets	Extra Block	+/- Pallets	Total Extra	Total Pallets	Quantity	Price	Total Cost
OMNI BLOCK:								
Stretchers	20.0	56	1.0	146	21.0	1,890	\$1.80	\$3,402.00
Corners	4.0	36	0.0	36	4.0	360	\$1.95	\$702.00
Total Omni Block								\$4,104.00
OTHER CMU BLOCK:								
8 x 8 x 8 Halfs	1.0	108	(0.5)	18	0.5	90	\$1.40	\$126.00
8 x 8 x 16 Bond Beam CMU	4.0	48	(0.4)	12	3.6	324	\$1.60	\$518.40
8 x 8 x 16 CMU	4.0	36	0.0	36	4.0	360	\$1.60	\$576.00
8 x 4 x 16 CMU	1.0	168	0.0	168	1.0	180	\$1.55	\$279.00
Total Other CMU Block								\$1,220.40
TOTAL BLOCK								\$5,324.40

20A ADJUST AMOUNT OF 8X4X16 CMU ON THE ORDER BY ENTERING A NEGATIVE FRACTION (EXPRESSED BY A DECIMAL) IN THE +/- PALLETS CELL. IN THIS EXAMPLE A -0.90 IS ENTERED. THIS MEANS THAT THERE ARE NOW ONLY 6 EXTRA 8X4X16 CMU BLOCK (168 - 162) BECAUSE 162 IS 90% OR 0.90 OF A FULL PALLET.

THE ORDER WOULD NOW HAVE 18 8X4X16 CMU ON IT.

QUANTITY CALCULATIONS

BLOCK	Omni Block Height 1	Omni Block Height 2	8" CMU Height 1	4" CMU Height 1	TOTALS
Stretchers	685	1,059			1,744
Corners	108	216			324
8 x 8 x 8 Halfs	72				72
8 x 8 x 16 Bond Beam CMU	75	75	162		312
8 x 8 x 16 CMU			324		324
8 x 4 x 16 CMU				12	12
INSERTS					
Short Inserts	961	1,518			2,479
Long Inserts	739	1,167			1,906

WHOLESALE COST

	Required Pallets	Extra Block	+/- Pallets	Total Extra	Total Pallets	Quantity	Price	Total Cost
OMNI BLOCK:								
Stretchers	20.0	56	1.0	146	21.0	1,890	\$1.80	\$3,402.00
Corners	4.0	36	0.0	36	4.0	360	\$1.95	\$702.00
Total Omni Block								\$4,104.00
OTHER CMU BLOCK:								
8 x 8 x 8 Halfs	1.0	108	(0.5)	18	0.5	90	\$1.40	\$126.00
8 x 8 x 16 Bond Beam CMU	4.0	48	(0.4)	12	3.6	324	\$1.60	\$518.40
8 x 8 x 16 CMU	4.0	36	0.0	36	4.0	360	\$1.60	\$576.00
8 x 4 x 16 CMU	1.0	168	(0.9)	6	0.1	18	\$1.55	\$27.90
Total Other CMU Block								\$1,220.40
TOTAL BLOCK								\$5,324.40

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ESTIMATOR 88
STEP 20A



21. DETERMINE THE NUMBER OF SHORT INSERTS. THERE ARE 100 TO A BAG.

FROM THE "QUANTITY CALCULATIONS" SECTION, 2,479 SHORT INSERTS ARE REQUIRED. ROUNDING UP TO THE NEXT FULL BAG, THERE WOULD BE 25 BAGS OR 2,500 SHORT INSERTS PUT ON THE ORDER.

THE ORDER WOULD HAVE 21 EXTRA SHORT INSERTS ON IT.

THE PROGRAM CALCULATES ONE LONG INSERT FOR EVERY STRETCHER AND 1/2 OF A LONG INSERT FOR EACH CORNER. THE SHORT INSERTS ARE THEN CALCULATED AT 30% MORE THAN THE LONG INSERTS. THIS CALCULATION IS BASED UPON A 48" VERTICAL REBAR SPACING REQUIREMENT.

QUANTITY CALCULATIONS

	Omni Block Height 1	Omni Block Height 2	8" CMU Height 1	4" CMU Height 1	TOTALS
INSERTS					
Short Inserts	961	1,518			2,479
Long Inserts	739	1,167			1,906

WHOLESALE COST

	Required Pallets	Extra Block	+/- Pallets	Total Extra	Total Pallets	Quantity	Price	Total Cost
	OMNI BLOCK:							
Stretchers	20.0	56	1.0	146	21.0	1,890	\$1.80	\$3,402.00
Corners	4.0	36	0.0	36	4.0	360	\$1.95	\$702.00
Total Omni Block								\$4,104.00
OTHER CMU BLOCK:								
8 x 8 x 8 Halfs	1.0	108	(0.5)	18	0.5	90	\$1.40	\$126.00
8 x 8 x 16 Bond Beam CMU	4.0	48	(0.4)	12	3.6	324	\$1.60	\$518.40
8 x 8 x 16 CMU	4.0	36	0.0	36	4.0	360	\$1.60	\$576.00
8 x 4 x 16 CMU	1.0	168	(0.9)	6	0.1	18	\$1.55	\$27.90
Total Other CMU Block								\$1,220.40
TOTAL BLOCK								\$5,324.40
	Required Bags	Extra Foam	+ Bags	Total Extra	Total Bags	Quantity	Price	Total Cost
INSERTS:								
Short Inserts	25	21	0	21	25	2,500	\$0.96	\$2,400.00
Long Inserts	20	94	0	94	20	2,000	\$1.06	\$2,120.00
TOTAL INSERTS								\$4,520.00

21A ADJUST AMOUNT OF SHORT INSERTS ON THE ORDER BY ENTERING A POSITIVE WHOLE NUMBER (INSERTS ARE ALWAYS SOLD IN 100 COUNT BAGS) IN THE +/- BAGS CELL.

IN THIS EXAMPLE 1 IS ENTERED. THIS MEANS THAT THERE ARE NOW 121 EXTRA SHORT INSERTS (21 + 100).

THE ORDER WOULD HAVE 26 BAGS OF SHORT INSERTS ON IT.

QUANTITY CALCULATIONS

	Omni Block Height 1	Omni Block Height 2	8" CMU Height 1	4" CMU Height 1	TOTALS
INSERTS					
Short Inserts	961	1,518			2,479
Long Inserts	739	1,167			1,906

WHOLESALE COST

	BLOCKS					COSTS		
	Required Pallets	Extra Block	+/- Pallets	Total Extra	Total Pallets	Quantity	Price	Total Cost
OMNI BLOCK:								
Stretchers	20.0	56	1.0	146	21.0	1,890	\$1.80	\$3,402.00
Corners	4.0	36	0.0	36	4.0	360	\$1.95	\$702.00
Total Omni Block								\$4,104.00
OTHER CMU BLOCK:								
8 x 8 x 8 Halfs	1.0	108	(0.5)	18	0.5	90	\$1.40	\$126.00
8 x 8 x 16 Bond Beam CMU	4.0	48	(0.4)	12	3.6	324	\$1.60	\$518.40
8 x 8 x 16 CMU	4.0	36	0.0	36	4.0	360	\$1.60	\$576.00
8 x 4 x 16 CMU	1.0	168	(0.9)	6	0.1	18	\$1.55	\$27.90
Total Other CMU Block								\$1,220.40
TOTAL BLOCK								\$5,324.40
	Required Bags	Extra Foam	+ Bags	Total Extra	Total Bags	Quantity	Price	Total Cost
INSERTS:								
Short Inserts	25	21	1	121	26	2,600	\$0.96	\$2,496.00
Long Inserts	20	94	0	94	20	2,000	\$1.06	\$2,120.00
TOTAL INSERTS								\$4,616.00

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ESTIMATOR 88
STEP 21A



22. DETERMINE THE NUMBER OF LONG INSERTS. THERE ARE 100 TO A BAG.

FROM THE QUNTYTY CALCULATIONS SECTION, 1,906 LONG INSERTS ARE REQUIRED. ROUNDING UP TO THE NEXT FULL BAG, THERE WOULD BE 20 BAGS OR 2,000 LONG INSERTS PUT ON THE ORDER.

THE ORDER WOULD HAVE 94 EXTRA LONG INSERTS ON IT, WHICH IS LITTLE MORE THAN IDEAL, BUT BAGS ARE ONLY SOLD IN 100'S.

THE PROGRAM CALCULATES ONE LONG INSERT FOR EVERY STRETCHER AND 1/2 OF A LONG INSERT FOR EACH CORNER. THE SHORT INSERTS ARE THEN CALCULATED AT 30% MORE THAN THE LONG INSERTS. THIS CALCULATION IS BASED UPON A 48" VERTICAL REBAR SPACING REQUIREMENT.

QUANTITY CALCULATIONS

	Omni Block Height 1	Omni Block Height 2	8" CMU Height 1	4" CMU Height 1	TOTALS
INSERTS					
Short Inserts	961	1,518			2,479
Long Inserts	739	1,167			1,906

WHOLESALE COST

	BLOCKS					COSTS		
	Required Pallets	Extra Block	+/- Pallets	Total Extra	Total Pallets	Quantity	Price	Total Cost
OMNI BLOCK:								
Stretchers	20.0	56	1.0	146	21.0	1,890	\$1.80	\$3,402.00
Corners	4.0	36	0.0	36	4.0	360	\$1.95	\$702.00
Total Omni Block								\$4,104.00
OTHER CMU BLOCK:								
8 x 8 x 8 Halfs	1.0	108	(0.5)	18	0.5	90	\$1.40	\$126.00
8 x 8 x 16 Bond Beam CMU	4.0	48	(0.4)	12	3.6	324	\$1.60	\$518.40
8 x 8 x 16 CMU	4.0	36	0.0	36	4.0	360	\$1.60	\$576.00
8 x 4 x 16 CMU	1.0	168	(0.9)	6	0.1	18	\$1.55	\$27.90
Total Other CMU Block								\$1,220.40
TOTAL BLOCK								\$5,324.40
	Required Bags	Extra Foam	+ Bags	Total Extra	Total Bags	Quantity	Price	Total Cost
INSERTS:								
Short Inserts	25	21	1	121	26	2,600	\$0.96	\$2,496.00
Long Inserts	20	94	0	94	20	2,000	\$1.06	\$2,120.00
TOTAL INSERTS								\$4,616.00

23. DETERMINE THE NUMBER OF BLOCK SHIPMENTS. THERE ARE VARYING WEIGHTS OF BLOCK, BUT USUALLY THERE ARE 13 PALLETS OF BLOCK PER TRUCKLOAD. THE SUM OF THE TOTAL PALLETS COLUMN IS UNDER THE "QUANTITY" COLUMN AT THE LINE ITEM OF "PALLET CHARGES". DIVIDE THIS NUMBER BY 13, THEN ROUND UP AND ENTER THE NEXT WHOLE NUMBER IN THE SHIPMENTS CELL.

IN THIS EXAMPLE 34 PALLETS WOULD REQUIRE 2.62 TRUCKLOADS. THEREFORE, THE NUMBER 3 IS ENTERED UNDER THE "SHIPMENTS" COLUMN AT LINE ITEM - "BLOCK FREIGHT".

WHOLESALE COST								
OMNI BLOCK:	Required Pallets	Extra Block	+/- Pallets	Total Extra	Total Pallets			
	Stretchers	56	1.0	146	21.0			
	Corners	36	0.0	36	4.0			
	Total Omni Block							
OTHER CMU BLOCK:	8 x 8 x 8 Halfs	108	(0.5)	18	0.5			
	8 x 8 x 16 Bond Beam CMU	48	(0.4)	12	3.6			
	8 x 8 x 16 CMU	36	0.0	36	4.0			
	8 x 4 x 16 CMU	168	(0.9)	6	0.1			
	Total Other CMU Block							
TOTAL BLOCK								
INSERTS:	Required Bags	Extra Foam	+ Bags	Total Extra	Total Bags			
	Short Inserts	21	1	121	26			
	Long Inserts	94	0	94	20			
TOTAL INSERTS								
TOTAL BLOCK AND INSERTS								
FREIGHT: (estimated)	Quantity					Price	Total Cost	
	Block Freight					3	\$400	\$1,200.00
	Foam Insert Freight					1	\$600	\$600.00
TOTAL FREIGHT							\$1,800.00	
Pallet Charges	Quantity					Price	Total Cost	
	Pallet Charges					34	\$15.00	\$510.00
	Pallet Shrink Wrap Fee					34	\$2.00	\$68.00
TOTAL							\$12,318.40	
Pallet Refund (if returned back to origin)						34	(\$11.00)	(\$374.00)

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ESTIMATOR 88
STEP 23



24. DETERMINE THE NUMBER OF INSERT SHIPMENTS. 42,000 OR 420 BAGS OF INSERTS CAN BE LOADED INTO ONE 53' SEMI VAN. THE SUM OF THE TOTAL BAGS COLUMN IS UNDER 420, THEREFORE THE NUMBER ONE IS ENTERED IN THE "SHIPMENTS" COLUMN AT LINE ITEM - "FOAM INSERT FREIGHT".

25. IN SOME CASES, BLOCK PLANTS WILL ALLOW THE CONTRACTOR TO RETURN UNDAMAGED PALLETS FOR CREDIT. IN THIS EXAMPLE, THE BLOCK PLANT WILL CREDIT THE CONTRACTOR \$11.00 PER RETURNED PALLET. SUBTRACTING THIS AMOUNT FROM THE TOTAL YIELDS A NET COST. ENTER 34 UNDER THE "SHIPMENTS" COLUMN INTO THE LINE ITEM - "PALLET REFUND".

WHOLESALE COST								
OMNI BLOCK:	Required Pallets	Extra Block	+/- Pallets	Total Extra	Total Pallets	Quantity	Price	Total Cost
Stretchers	20.0	56	1.0	146	21.0	1,890	\$1.80	\$3,402.00
Corners	4.0	36	0.0	36	4.0	360	\$1.95	\$702.00
Total Omni Block								\$4,104.00
OTHER CMU BLOCK:								
8 x 8 x 8 Halfs	1.0	108	(0.5)	18	0.5	90	\$1.40	\$126.00
8 x 8 x 16 Bond Beam CMU	4.0	48	(0.4)	12	3.6	324	\$1.60	\$518.40
8 x 8 x 16 CMU	4.0	36	0.0	36	4.0	360	\$1.60	\$576.00
8 x 4 x 16 CMU	1.0	168	(0.9)	6	0.1	18	\$1.55	\$27.90
Total Other CMU Block								\$1,220.40
TOTAL BLOCK								\$5,324.40
	Required Bags	Extra Foam	+ Bags	Total Extra	Total Bags	Quantity	Price	
INSERTS:								
Short Inserts	25	21	1	121	26	2,600	\$0.96	\$2,496.00
Long Inserts	20	94	0	94	20	2,000	\$1.06	\$2,120.00
TOTAL INSERTS								\$4,616.00
TOTAL BLOCK AND INSERTS								\$9,940.40
FREIGHT: (estimated)						Shipments	Price	
Block Freight						3	\$400	\$1,200.00
Foam Insert Freight						1	\$600	\$600.00
TOTAL FREIGHT								\$1,800.00
Pallet Charges						34	\$15.00	\$510.00
Pallet Shrink Wrap Fee						34	\$2.00	\$68.00
TOTAL								\$12,318.40
Pallet Refund (if returned back to origin)						34	(\$11.00)	(\$374.00)

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ESTIMATOR 88
STEPS 24 & 25



IN THIS EXAMPLE, THE WALL HEIGHT IS 11'4" OR 11.33, THE WALL LENGTH IS 200'0" AND THE PRICE PER SQUARE FOOT IS \$3.75.

THE QUICK ESTIMATE IS \$8,498.

THE NET BLOCK REQUIRED WOULD BE +/- 2164.

IF COMPARED TO THE EXAMPLE PROVIDED IN THIS TUTORIAL, MOST OF THE VARIANCE IS ATTRIBUTED TO A SIGNIFICANTLY LOWER PERCENTAGE OF EGRESS THAN NORMAL IN THE EXAMPLE.

THE QUICK ESTIMATE SECTION IS NOT PART OF AN ACCURATE TAKE OFF FOR MATERIALS, BUT CAN BE A USEFUL TOOL

- A. ENTER THE WALL HEIGHT
- B. ENTER THE WALL LENGTH
- C. ENTER THE LOCAL SQ. FT. PRICE FOR OMNI BLOCK.

QUICK ESTIMATE	
Wall Height	
Lineal Feet	
Total Square Feet	0
Price per Sq. Ft.	\$0.00
Quick Estimate	\$0
Gross Block	0
Less Egress	15%
Net Block	0

QUICK ESTIMATE	
Wall Height	11.33
Lineal Feet	200.00
Total Square Feet	2,266
Price per Sq. Ft.	\$3.75
Quick Estimate	\$8,498
Gross Block	2,546
Less Egress	15%
Net Block	2164



RESET FORM

WALL INFORMATION

Number of Omni Block Wall Heights	2	
Number of 8" CMU Wall Heights	1	
Number of 4" CMU Wall Heights	1	
	Omni Block Height 1	Omni Block Height 2
Wall Height	10.00	12.00
Top of Wall Bond Beam (Yes / No)	Yes	Yes
Wall Length	100.00	100.00
Number of Corners	4	2
Total Windows and Doors	4	5
Total Wall Square Feet	1,000.00	1,200.00
Total Square Feet of Windows and Doors	197.23	
Vertical Height of Windows and Doors	47.99	

8" CMU Height 1	2.00	0.33
4" CMU Height 1	Yes	No
	216.00	16.00

WINDOWS AND DOORS

QUANTITY	WIDTH	HEIGHT	VERTICAL	SQ. FT.
4	4.00	6.00	24.00	96.00
2	2.00	4.00	8.00	16.00
3	5.33	5.33	15.99	85.23
TOTALS				
9	-	-	47.99	197.23

QUANTITY CALCULATIONS

BLOCK	Omni Block Height 1	Omni Block Height 2	8" CMU Height 1	4" CMU Height 1	TOTALS
Stretchers	685	1,059			1,744
Corners	108	216			324
8 x 8 x 8 Halfs	72				72
8 x 8 x 16 Bond Beam CMU	75	75	162		312
8 x 8 x 16 CMU			324		324
8 x 4 x 16 CMU				12	12
INSERTS					
Short Inserts	961	1,518			2,479
Long Inserts	739	1,167			1,906

WHOLESALE COST

Item	Price	Required Pallets	Extra Block	+/- Pallets	Total Extra	Total Pallets	Quantity	Price	Total Cost
OMNI BLOCK:									
Stretchers	\$1.80	20.0	56	1.0	146	21.0	1,800	\$1.80	\$3,240.00
Corners	\$1.95	4.0	36	0.0	36	4.0	360	\$1.95	\$702.00
		Total Omni Block					\$4,104.00		
OTHER CMU BLOCK:									
8 x 8 x 8 Halfs	\$1.40	1.0	108	(0.5)	18	0.5	90	\$1.40	\$126.00
8 x 8 x 16 CMU	\$1.60	4.0	48	(0.4)	12	3.6	324	\$1.60	\$518.40
8 x 8 x 16 Bond Beam CMU	\$1.60	4.0	36	0.0	36	4.0	360	\$1.60	\$576.00
8 x 4 x 16 CMU	\$1.55	1.0	168	(0.9)	6	0.1	18	\$1.55	\$27.90
		Total Other CMU Block					\$1,220.40		
		TOTAL BLOCK					\$5,324.40		
INSERTS:									
Short Inserts	\$0.96	25	21	1	121	26	2,600	\$0.96	\$2,496.00
Long Inserts	\$1.06	20	94	0	94	20	2,000	\$1.06	\$2,120.00
		TOTAL INSERTS					\$4,616.00		
		TOTAL BLOCK AND INSERTS					\$9,940.40		
FREIGHT: (estimated)									
Block Freight	\$400						3	\$400	\$1,200.00
Foam Insert Freight	\$600						1	\$600	\$600.00
		TOTAL FREIGHT					\$1,800.00		
Pallet Charges									
Pallet Charge	\$15.00						34	\$15.00	\$510.00
Pallet Shrink Wrap Fee	\$2.00						34	\$2.00	\$68.00
		TOTAL					\$12,318.40		
Pallet Refund	\$11.00	Pallet Refund (if returned back to origin)					34	(\$11.00)	(\$374.00)
Estimate Prepared By: _____									

QUICK ESTIMATE

Wall Height	11.33
Linear Feet	200.00
Total Square Feet	2,266
Price per Sq. Ft.	\$3.75
Quick Estimate	\$8,498
Gross Block	2,546
Loss Egress	15%
Net Block	2164

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ESTIMATOR 88
SINGLE-PAGE COMPLETED FORM



PROJECT		OMNI BLOCK				8" STANDARD CMU			4" STANDARD CMU		WINDOWS AND DOORS					
JOB NAME		HEIGHT					HEIGHT				HEIGHT			QUANTITY	WIDTH	HEIGHT
BUILDER		BOND BEAM YES / NO					BOND BEAM YES / NO			BOND BEAM	NO					
DATE		LENGTH					LENGTH				LENGTH					
LOCATION																
CONTACT																
PHONE																
EMAIL																
NOTES																
		TOTALS					TOTALS				TOTALS					
		CORNERS														
		WINDOWS/ DOORS														
		OTHER CMU														
		CMU	HEIGHT	LENGTH	SQ FT											
		STEM														
		ABOVE GARAGE														