

12" Exterior-Vert Rebar

Class	Mat. ID	Material Description	Amount	Units	Quantity	Waste	Lay-Rate	----- Labor -----		----- Material -----		Man Days
							Units/Day	Per Unit	Ext. Cost	Per Unit	Ext. Cost	
BOL	BOLTS8-IN	100 CNT BOXES OF 8" BOLTS	79	Ea	79 Each		1,200	\$0.46	\$36	\$0.40	\$32	0.1
BRI	M	Modular Brick	2,128	SF	14,364 Pieces		450	\$1.22	\$17,466	\$0.30	\$4,310	31.9
BRI	MS	Modular Brick Soldier	580	SF	3,919 Pieces		300	\$1.82	\$7,148	\$0.30	\$1,176	13.1
CMU	MW06	6" Mediumweight CMU	3,389	SF	3,813 Pieces		175	\$3.13	\$11,921	\$0.48	\$1,830	21.8
CMU	MW06B	6" Mediumweight CMU-Bull	102	SF	115 Pieces		165	\$3.32	\$381	\$0.58	\$67	0.7
CMU	MW06BB	6" Mediumweight CMU-B.B.	273	SF	308 Pieces		155	\$3.53	\$1,086	\$0.58	\$178	2.0
CMU	MW06BH	6"Lt Wt CMU-1/2 Bullnose	81	SF	183 Pieces		170	\$3.22	\$587	\$0.57	\$104	1.1
DRI	COPPERDRI	Copper Drip Edge	276	LF	276 LinFt		2,000	\$0.27	\$76	\$1.20	\$332	0.1
FLA	IPCO18"	IPCO 18" Flashing	276	LF	276 LinFt		3,000	\$0.18	\$50	\$1.12	\$309	0.1
GRO	2500PSI	2500 PSI Grout in Cu.Ft.	177	CF	177 CbcFt		175	\$3.13	\$553	\$2.75	\$486	1.0
INR	BLUE2"	Blue 2" Rigid Insulation	3,883	SF	3,883 SqFt		1,500	\$0.36	\$1,416	\$0.59	\$2,291	2.6
LIC	COPING CF	Limestone Coping in Cu Ft	195	CF	195 CbcFt		13	\$43.77	\$8,536	\$24.00	\$4,680	15.6
LIL	2X5SILL	2-1/4 x 5 Sills L.F.	45	LF	45 LinFt		280	\$1.95	\$88	\$2.75	\$124	0.2
LIS	8" BAND	Limestone Band	359	SF	134 Pieces		8	\$68.40	\$9,199	\$2.50	\$336	16.8
LIS	ASHLER SF	Limestone in Sq Ft	721	SF	135 Pieces		8	\$68.40	\$9,245	\$5.00	\$676	16.9
LIS	QUOIN1	Limestone Quoin 1st	68	SF	77 Pieces		8	\$68.40	\$5,267	\$0.83	\$64	9.6
LIS	QUOIN2	Limestone Quoin 2nd	44	SF	67 Pieces		8	\$68.40	\$4,560	\$0.63	\$42	8.3
MOR	Mortar[A]	Type N Port/Lime 1:1:6 Mix	716	CF	716 CbcFt		0	\$0.00	\$0	\$2.02	\$1,444	0.0
MOR	Mortar[U]	Silo Mix-Type M Port/Lim1:1/4:3 Mix	78	CF	78 CbcFt		0	\$0.00	\$0	\$3.88	\$304	0.0
REB	#4	#4 Rebar / Give Vert. Ht	1,062	LF	1,062 LinFt		1,800	\$0.30	\$323	\$0.24	\$255	0.6
REB	#4BB REBA	#4 Bond Beam Rebar - 240"	852	LF	852 LinFt		1,800	\$0.30	\$259	\$0.24	\$204	0.5
WEE	WEEPPLAS	Plastic Weep Holes	138	Ea	138 Each		3,000	\$0.18	\$25	\$0.11	\$15	0.0
WIR	HDT9GA12"	Hot-Dipp./Truss 9ga--12"	3,027	LF	3,027 LinFt		0	\$0.00	\$0	\$0.23	\$696	0.0
Totals:									\$78,221		\$19,955	143.0

Area	Description	Shape	Outside	Inside	Height	Length	Qty	Opn	Odd	Adj	Rbr	Vrt	Crew
	12" Exterior-Vert Rebar	Rect	M	MW06	14' 0"	316' 0"	1	Opn	Odd		Rbr		1
Area of Wall	4,368.00 Sqft	Direct Cost		\$99,517.15	Direct Markup Cost / Sqft			\$25.69	% of Grand Total				
Area of Openings (not panels)	494.44 Sqft	Markup Cost		\$11,905.56	Markup Cost / Sqft			\$3.07	Bid Price				
Area of Wall minus Openings	3,873.56 Sqft	Markedup Cost		\$111,422.71	Markedup Cost / Sqft			\$28.76	76.16 %				

Wall Notes: Modular Brick, 6" CMU, 2" Blue Insulation, 18" IPCO flashing, Copper Drip Edge, Plastic Weepholes, 14" Hot Dip Truss 9ga, Bolts 4'-0" on center, #4 Vertical Rebar with 2500 psi Grout @ 48" on center, (enter a quantity for Optional Control Joint that has rubber tee material and 6" Half and Whole Sash CMU),

4" Interior CMU

Class	Mat. ID	Material Description	Amount	Units	Quantity	Waste	Lay-Rate	----- Labor -----		----- Material -----		Man Days
							Units/Day	Per Unit	Ext. Cost	Per Unit	Ext. Cost	
CMU MW04		4" Mediumweight CMU	3,548	SF	3,992	Pieces	185	\$2.96	\$11,806	\$0.36	\$1,437	21.6
CMU MW042RIP		4" Med 2" Rip CMU	60	SF	268	Pieces	175	\$3.13	\$839	\$0.12	\$32	1.5
CMU MW04B		4" Mediumweight CMU-Bull	133	SF	150	Pieces	175	\$3.13	\$469	\$0.46	\$69	0.9
CMU MW04BB		4" Mediumweight CMU-B.B.	58	SF	66	Pieces	165	\$3.32	\$218	\$0.46	\$30	0.4
CMU MW04BH		4" Med CMU-Bull Half	69	SF	154	Pieces	175	\$3.13	\$482	\$0.46	\$71	0.9
GRO 2500PSI		2500 PSI Grout in Cu.Ft.	6	CF	6	CbcFt	175	\$3.13	\$19	\$2.75	\$16	0.0
MOR Mortar[A]		Type N Port/Lime 1:1:6 Mix	175	CF	175	CbcFt	0	\$0.00	\$0	\$2.02	\$354	0.0
REB #4BB REBA		#4 Bond Beam Rebar - 240"	176	LF	176	LinFt	1,800	\$0.30	\$53	\$0.24	\$42	0.1
WIR MGT9GA04"		Mill-Gal./Truss 9ga-- 4"	3,071	LF	3,071	LinFt	0	\$0.00	\$0	\$0.10	\$307	0.0
Totals:									\$13,886		\$2,359	25.4

Area	Description	Shape	Outside	Inside	Height	Length	Qty	Opn	Odd	Adj	Rbr	Vrt	Crew
	4" Interior CMU	Rect		MW04	12' 2"	360' 6"	1	Opn	Odd				1
Area of Wall		Direct Cost		\$16,244.98	Direct Markup Cost / Sqft				\$4.16	% of Grand Total			
Area of Openings (not panels)	-	Markup Cost		\$1,866.68	Markup Cost / Sqft				\$0.48	Bid Price			
Area of Wall minus Openings		Markedup Cost		\$18,111.66	Markedup Cost / Sqft				\$4.64	12.38 %			

Wall Notes: 6 CMU, mil gal truss 9ga Wire,

6" Interior CMU

Class	Mat. ID	Material Description	Amount	Units	Quantity	Waste	Lay-Rate	----- Labor -----		----- Material -----		Man Days
							Units/Day	Per Unit	Ext. Cost	Per Unit	Ext. Cost	
CMU MW06		6" Mediumweight CMU	1,347	SF	1,516	Pieces	175	\$3.13	\$4,739	\$0.48	\$727	8.7
CMU MW062RIP		6" Med 2" Rip CMU	22	SF	101	Pieces	175	\$3.13	\$314	\$0.12	\$12	0.6
CMU MW06B		6" Mediumweight CMU-Bull	51	SF	58	Pieces	165	\$3.32	\$191	\$0.58	\$33	0.3
CMU MW06BB		6" Mediumweight CMU-B.B.	19	SF	21	Pieces	155	\$3.53	\$74	\$0.58	\$12	0.1
CMU MW06BH		6"Lt Wt CMU-1/2 Bullnose	26	SF	59	Pieces	170	\$3.22	\$191	\$0.57	\$34	0.3
GRO 2500PSI		2500 PSI Grout in Cu.Ft.	4	CF	4	CbcFt	175	\$3.13	\$13	\$2.75	\$12	0.0
MOR Mortar[A]		Type N Port/Lime 1:1:6 Mix	77	CF	77	CbcFt	0	\$0.00	\$0	\$2.02	\$155	0.0
REB #4BB REBA		#4 Bond Beam Rebar - 240"	56	LF	56	LinFt	1,800	\$0.30	\$17	\$0.24	\$13	0.0
WIR MGT9GA06"		Mill-Gal./Truss 9ga-- 6"	1,176	LF	1,176	LinFt	0	\$0.00	\$0	\$0.10	\$118	0.0
Totals:									\$5,539		\$1,116	10.1

Area	Description	Shape	Outside	Inside	Height	Length	Qty	Opn	Odd	Adj	Rbr	Vrt	Crew
	6" Interior CMU	Rect		MW06	12' 2"	134' 0"	1	Opn	Odd				1
Area of Wall		Direct Cost		\$6,655.25	Direct Markup Cost / Sqft				\$4.54	% of Grand Total			
Area of Openings (not panels)	-	Markup Cost		\$777.54	Markup Cost / Sqft				\$0.53	Bid Price			
Area of Wall minus Openings		Markedup Cost		\$7,432.79	Markedup Cost / Sqft				\$5.07	5.08 %			

Wall Notes: 6 CMU, mil gal truss 9ga Wire,

Piers

Class	Mat. ID	Material Description	Amount	Units	Quantity	Waste	Lay-Rate	----- Labor -----		----- Material -----		Man Days
							Units/Day	Per Unit	Ext. Cost	Per Unit	Ext. Cost	
BOL	BOLTS8-IN	100 CNT BOXES OF 8" BOLTS	8	Ea	8 Each		1,200	\$0.46	\$4	\$0.40	\$3	0.0
BRI	M	Modular Brick	213	SF	1,440 Pieces		450	\$1.22	\$1,751	\$0.30	\$432	3.2
BRI	MS	Modular Brick Soldier	59	SF	396 Pieces		300	\$1.82	\$722	\$0.30	\$119	1.3
CMU	MW06	6" Mediumweight CMU	107	SF	120 Pieces		175	\$3.13	\$375	\$0.48	\$58	0.7
CMU	MW06BB	6" Mediumweight CMU-B.B.	5	SF	6 Pieces		155	\$3.53	\$21	\$0.58	\$3	0.0
DRI	COPPERDRI	Copper Drip Edge	19	LF	19 LinFt		2,000	\$0.27	\$5	\$1.20	\$22	0.0
FLA	IPCO18"	IPCO 18" Flashing	19	LF	19 LinFt		3,000	\$0.18	\$3	\$1.12	\$21	0.0
GRO	2500PSI	2500 PSI Grout in Cu.Ft.	1	CF	1 CbcFt		175	\$3.13	\$4	\$2.75	\$4	0.0
INR	BLUE2"	Blue 2" Rigid Insulation	261	SF	261 SqFt		1,500	\$0.36	\$95	\$0.59	\$154	0.2
LIC	PIER CAP	Limestone Cap	11	CF	4 Pieces		6	\$99.30	\$397	\$72.00	\$288	0.7
LIS	8" BAND	Limestone Band	39	SF	15 Pieces		8	\$68.40	\$1,003	\$2.50	\$37	1.8
LIS	ASHLER SF	Limestone in Sq Ft	78	SF	15 Pieces		8	\$68.40	\$1,003	\$5.00	\$73	1.8
MOR	Mortar[A]	Type N Port/Lime 1:1:6 Mix	49	CF	49 CbcFt		0	\$0.00	\$0	\$2.02	\$100	0.0
MOR	Mortar[U]	Silo Mix-Type M Port/Lim1:1/4:3 Mix	8	CF	8 CbcFt		0	\$0.00	\$0	\$3.88	\$31	0.0
REB	#4BB REBA	#4 Bond Beam Rebar - 240"	32	LF	32 LinFt		1,800	\$0.30	\$10	\$0.24	\$8	0.0
WEE	WEEPPLAS	Plastic Weep Holes	8	Ea	8 Each		3,000	\$0.18	\$1	\$0.11	\$1	0.0
WIR	HDT9GA12"	Hot-Dipp./Truss 9ga--12"	160	LF	160 LinFt		0	\$0.00	\$0	\$0.23	\$37	0.0
Totals:									\$5,396		\$1,390	9.9

Area	Description
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Shape	Outside	Inside	Height	Length	Qty	Opn	Odd	Adj	Rbr	Vrt	Crew
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Piers	M	MW06	14' 0"	8' 0"	4		Odd				1
Area of Wall			Direct Cost				\$30.88				% of Grand Total
Area of Openings (not panels) -			Markup Cost				\$3.70				Bid Price
Area of Wall minus Openings			Markedup Cost				\$34.57				5.29 %

Wall Between Piers

Class	Mat. ID	Material Description	Amount	Units	Quantity	Waste	Lay-Rate	----- Labor -----		----- Material -----		Man Days
							Units/Day	Per Unit	Ext. Cost	Per Unit	Ext. Cost	
BRI	M	Modular Brick	83	SF	559 Pieces		450	\$1.22	\$679	\$0.30	\$168	1.2
BRI	MS	Modular Brick Soldier	6	SF	41 Pieces		300	\$1.82	\$74	\$0.30	\$12	0.1
LIL	COP ENT	Limestone Coping - LF	17	LF	17 LinFt		50	\$10.94	\$182	\$12.35	\$206	0.3
MOR	Mortar[A]	Type N Port/Lime 1:1:6 Mix	16	CF	16 CbcFt		0	\$0.00	\$0	\$2.02	\$33	0.0
MOR	Mortar[U]	Silo Mix-Type M Port/Lim1:1/4:3 Mix	1	CF	1 CbcFt		0	\$0.00	\$0	\$3.88	\$3	0.0
WIR	HDT9GA12"	Hot-Dipp./Truss 9ga--12"	28	LF	28 LinFt		0	\$0.00	\$0	\$0.23	\$7	0.0
Totals:									\$936		\$428	1.7

Area	Description
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Shape	Outside	Inside	Height	Length	Qty	Opn	Odd	Adj	Rbr	Vrt	Crew
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Wall Between Piers		Rect	M	M	3' 4"	16' 8"	1	Opn			1
Area of Wall	55.56 Sqft	Direct Cost	\$1,399.73	Direct Markup Cost / Sqft	\$31.52	% of Grand Total					
Area of Openings (not panels)	11.15 Sqft	Markup Cost	\$180.06	Markup Cost / Sqft	\$4.05	Bid Price					
Area of Wall minus Openings	44.41 Sqft	Markedup Cost	\$1,579.80	Markedup Cost / Sqft	\$35.58	1.08 %					

Crew Section - 5 Day work week

Ratio of Production Masons to

ID	Description	Production Masons	Prod-Mason Days	Crew Days	Cost Per Day Whole Crew	Cost Per Day Per Prod-Mason	Extended Labor Cost	Ratio of Production Masons to			
								Super	Layout	Saw	Tender/Other
1	1-BF,8-B,1-LF,2-L,1-E AND Lull	8.00	190.0	23.754	\$4,277.37	\$534.67	\$101,602.63	15.00	15.00	15.00	1.82

Totals by Labor ID

ID	Hours	Estimated				Total	Cost / Hour
		Base	Fringe	Burden			
Brick#21	1,520.22	\$36,713.43	\$10,155.10	\$16,686.25	\$63,554.79	\$41.81	
BrickForeman#21	190.03	\$4,969.23	\$1,269.39	\$2,258.52	\$8,497.14	\$44.72	
Engineer#150	190.03	\$4,731.70	\$1,254.19	\$2,150.56	\$8,136.44	\$42.82	
Laborer	391.93	\$8,295.62	\$1,842.08	\$3,746.83	\$13,884.54	\$35.43	
LaborerForeman	201.90	\$4,541.37	\$948.95	\$2,039.40	\$7,529.73	\$37.29	
	2,494.12	\$59,251.36	\$15,469.71	\$26,881.56	\$101,602.63	\$40.74	

Totals by Equipment ID

ID	Description	Cost	Days	Cost / Day
Lull 1044	Lull 1044	\$2,375.35	23.754	\$100.00

Show Demo Project

Quantity/Bid - By Wall

		Costs & Taxes	Overhead	Profit	OH + Profit	Totals	% of Bid
Material Costs		\$25,249.01					
Misc. Taxable Costs		\$0.00					
Taxable Sub-Total		\$25,249.01					
	Tax 7.750%	\$1,956.80	5.00%	5.00%			
Material + Misc. Taxable Costs + Tax		\$27,205.81	\$1,360.29	\$1,428.31	\$2,788.60	\$29,994.41	20.3%
Base	58.317%	\$59,251.36					
Fringe	15.226%	\$15,469.71					
Burden	26.458%	\$26,881.56	5.00%	5.00%			
Crew Labor Cost		\$101,602.63	\$5,080.13	\$5,334.14	\$10,414.27	\$112,016.90	75.9%
Subbed Out			5.00%	5.00%			
Cleaning Cost		\$1,506.67	\$75.33	\$79.10	\$154.43	\$1,661.10	1.1%
Equipment		\$2,375.35	\$118.77	\$124.71	\$243.47	\$2,618.82	1.8%
Mobilization		\$800.00					
Mockup		\$400.00					
Testing Service		\$0.00					
Clean-Up		\$0.00					
Bracing Walls		\$0.00					
Misc. Sub-Total		\$1,200.00	5.00%	5.00%			
			\$60.00	\$63.00	\$123.00	\$1,323.00	0.9%
			5.00%	5.25%	10.25%		
Grand Totals		\$133,890.46	\$6,694.52	\$7,029.25	\$13,723.77	\$147,614.24	
			Without Misc. or OH&P	With Misc. and OH&P		Total Square Feet	
		Average Cost Per Square Foot	\$13.95	\$15.52		9,509.38	