Coon Restoration & Sealants, Inc.
800-542-2666 * 330-875-2100
info@coonrestoration.com * www.coonrestoration.com
7349 Ravenna Ave. NE * Louisville, Ohio
Premier Restoration Specialists

Preserving our Past * Securing our Future
We specialize in the adaptive reuse of Historic Structures.
Coon Restoration is nationally renowned and ready to be an integral part of your project!

Bruder Inc.
Building Materials
16900 Rockside Rd.
Maple Hts., OH 44137
216-791-9800
www.bruderinc.com

Brick * Block * Rock and Masonry Specialties
INTRODUCTION

The following is an updated version of past masonry wall cost guides. It is published in collaboration with the members of the Masonry Contractors Association of Northeast Ohio and the Association of Union Mason Contractors.

Cost figures are in dollars per square foot and are prepared for a wide range of architectural projects based on prevailing wages. Costs can and will vary depending on the difficulty of the project or if prevailing wages are in effect.

We encourage the user to contact a member for free costing analysis of specific projects.

Guidelines used in compiling these costs are:

a) Building heights that do not exceed three stories

b) An average amount of built-in items, concealed piping, saw cuts, pilasters, bullnose corners, embedding of plates, bolts, etc.

c) An average combination of interior and exterior masonry

d) Colored masonry

e) Moisture repellent in mortar for CMU veneers

The square foot prices include material costs, labor costs, equipment, taxes, overhead, and a mason contractor yield. We are proud to offer a wider range of masonry wall construction. In both aesthetics, engineering, and economics, we feel that masonry construction offers a distinct value to new building construction. In addition, to the obvious attributes of:

- Fire Resistance
- Low Life-Cycle Costs
- Speed of Erection
- Structural Integrity
- Thermal Mass
- Sound Absorbency
- Reflectivity
- Flexibility of Design

The designer must consider lower insurance costs, higher resale value and positive image of masonry construction.

This version of the wall cost guide shows comparisons utilizing lightweight high-performance concrete masonry units. This includes the attributes of the cost effectiveness, higher R-values and fire ratings, the lightweight units provide as an excellent alternative with greater flexibility for the designer, the mason and the building owner alike.

Thank you for considering the use of masonry for your next project.
MASONRY SPECIFICATION NOTES

ASTM C-90-96
Hollow load bearing units. Does not specify aggregate.

ASTM C-55
Concrete building brick.

ASTM C-145
Solid load bearing units-units with 75% or more of gross area. 2 grades N-1 1800 PSI, S-1 1200 PSI, average on gross area. Does not specify aggregate.

ASTM C-33
Sand and gravel aggregates, ASTM C-331. Expanded shale aggregate.

ASTM C-476
Mortar and Grout for reinforced masonry.

ASTM C-270
Mortar for Unit Masonry. Covers 5 grades of mixed mortar. The 3 grades most commonly used are:

- N-750 PSA Standard mortar most commonly used.
- S-1800 PSI Extra strength mortar required for bearing.
- M-2500 psi High strength mortar-used with high strength masonry units.

ASTM C-216
Refers to specifications for face brick which are solid masonry units 75% solid or more. If brick is to be 10% solid, this should be defined by the specifier.

- Grades: SW-Severe Weather, MW-Moderate Weather, NW-No Weather
- Type FBS-Rough-Wide color range
- Type FBS-Smooth-Wide color range
- Type FBX-Very close color and tolerances
- Type FBA-Covers specifications that are determined by the Architect and differ from standards for above groups

ASTM C-652
Refers to specifications for Hollow Clay masonry units of less than 60% solid bearing surface. Any special coring should be indicated by the specifier or the coring will be at the discretion of the manufacturer.

Grades SW-Severe Weather, MW-Moderate Weather, Type HBS-Wide color range and texture Type HBX-Narrow color range and tolerance. Type HBA-Covers specifications that are determined by the Architect and differ from standards for above groups. Type HBB-Where color and texture are not a consideration.

The desired size should be referred to by specific dimensions, i.e., depth, height, and length, rather than by using generic terms. The general color range and texture of the brick should be indicated in the specifications; this can affect the labor costs.

If a specific brick is not specified, an allowance should be written in the specifications so that all the contractors will be bidding on an equal basis.

ASTM C-902
Pedestrian and light traffic paying brick.
NOMENCLATURE AND DEFINITIONS

HOLLOW BRICK:
One whose net cross-sectional area in any plane parallel to the bearing surface is less than 75% of the gross area.

SOLID BRICK:
One whose net cross-sectional area in any plane parallel to the bearing surface is 75% or more of the gross area.

STANDARD BRICK:
Brick whose actual dimensions are 3-3/4" x 2-1/4" x 8".

MODULAR BRICK:
Brick whose nominal dimensions are based on the 4" module.

HOLLOW CONCRETE MASONRY UNIT:
A masonry unit whose net cross-sectional area in any plane parallel to the bearing surface is less than 75% of the gross area.

SOLID CONCRETE MASONRY UNIT:
A masonry unit whose net cross-sectional area in any plane parallel to the bearing surface is 75% or more of the gross area.

GROSS AREA:
Width times length of unit in the bearing plane.

NET AREA:
Gross area times % of Solid.
Example:
8” x 8” x 16”53% Solid
Gross Area = 7-5/8” x 15-518” = 119.14 sq. inches
Net Area = 7-5/8” x 15-5/8” x .53 = 63.14 sq. inches

CAVITY WALL:
A wall built of masonry units arranged to provide a continuous air space between facing and backing wythes and connected with rigid metal ties.

COMPOSITE WALL:
A multiple wythe wall in which at least one of the wythes is dissimilar to the other wythe or wythes with respect to type or grade of masonry unit or mortar.

WYTHE:
Each continuous vertical section of masonry one unit in thickness.

REINFORCED MASONRY:
Masonry units, reinforced with steel, grout and/or mortar, combined to resist forces.

EQUIVALENT THICKNESS:
Average thickness of Solid material in wall or partition.

M FACTOR:
Heat transfer calculations accounting for thermal storage due to mass.

R VALUE:
The amount of resistance of heat flow between the warm side and the cold side of a building section.

U FACTOR:
The calculated thermal conductance between the warm side and the cold side of a building section. (expressed in BTU’s)

SOUND TRANSMISSION CLASS:
The ability of a wall to stop the transmission of sound from one of its sides to the other, expressed in decibels.
Valentine Contractors, Inc.
7680 Whipple Ave NW | North Canton, OH
(330) 244-1506

ARCHITECTURAL & STANDARD MASONRY UNITS OF TODAY AND THE FUTURE

ARCHITECTURAL SPLIT BRIK SERIES

ARCHITECTURAL SMOOTH BRIK SERIES

SPLITFACE

BRIKLOOK

RETAINING WALL PAVERS

216.662.5200 | block@chassvecinc.com
VENEERS INCLUDE: TIES, COLOR MORTAR AND WASH DOWN

**SPLIT FACE CMU**

3 5/8” x 3 5/8” x 15 5/8”

- Weight: 18 #
- U Value: .82
- Fire Rating: 1.7 HR
- Cost: $18.91 PER SF

Allowance: $1.90 EA  2.25 PER SF

**SPLIT FACE CMU**

3 5/8” x 7 5/8” x 15 5/8”

- Weight: 36 #
- U Value: .82
- Fire Rating: 1.75 HR
- Cost: $15.71 PER SF

Allowance: $2.95 EA  1.125 PER SF

**SINGLE SCORE SPLIT CMU**

3 5/8” x 7 5/8” x 15 5/8”

- Weight: 36 #
- U Value: .76
- Fire Rating: 1.70 HR
- Cost: $16.25 PER SF

Allowance: $3.15 EA  1.125 PER SF

**GROUND FACE CMU**

3 5/8” x 7 5/8” x 15 5/8”

- Weight: 35 #
- U Value: .39
- Fire Rating: 1 HR
- Cost: $32.00 PER SF

Allowance: $13.40 EA  1.125 PER SF

**SMOOTH COLOR CMU**

3 5/8” x 7 5/8” x 15 5/8”

- Weight: 34 #
- U Value: .76
- Fire Rating: 1 HR
- Cost: $15.10 PER SF

Allowance: $2.55 EA  1.125 PER SF

**SMOOTH COLOR SINGLE SCORE CMU**

3 5/8” x 7 5/8” x 15 5/8”

- Weight: 24 #
- U Value: .76
- Fire Rating: 1 HR
- Cost: $15.65 PER SF

Allowance: $2.75 EA  1.125 PER SF

**SMOOTH COLOR HALF HIGH CMU**

3 5/8” x 3 5/8” x 15 5/8”

- Weight: 12 #
- U Value: .76
- Fire Rating: 1 HR
- Cost: $17.65 PER SF

Allowance: $1.50 EA  2.25 PER SF

**GLAZED CMU**

3 5/8” x 7 5/8” x 15 5/8”

- Weight: 30 #
- U Value: .39
- Fire Rating: 1 HR
- Cost: $26.97 PER SF

Allowance: $10.00 EA  1.125 PER SF
### Veneers Include: Ties, Color Mortar and Wash Down

<table>
<thead>
<tr>
<th>Veneer Type</th>
<th>Dimensions</th>
<th>Weight (lb.)</th>
<th>U Value</th>
<th>Fire Rating (HR)</th>
<th>Cost (per SF)</th>
<th>Allowance (EA)</th>
<th>Allowance (per SF)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Modular Brick</strong></td>
<td>3 5/8&quot; x 2 1/4&quot; x 7 5/8&quot;</td>
<td>4.2</td>
<td>.82</td>
<td>1</td>
<td>$24.82</td>
<td>$.60</td>
<td>6.75</td>
</tr>
<tr>
<td><strong>Jumbo Brick</strong></td>
<td>3 5/8&quot; x 2 5/8&quot; x 7 5/8&quot;</td>
<td>5.9</td>
<td>.82</td>
<td>1</td>
<td>$22.35</td>
<td>$.68</td>
<td>5.5</td>
</tr>
<tr>
<td><strong>Norman Brick</strong></td>
<td>3 5/8&quot; x 2 1/4&quot; x 11 5/8&quot;</td>
<td>6.4</td>
<td>.82</td>
<td>1</td>
<td>$21.90</td>
<td>$.95</td>
<td>4.57</td>
</tr>
<tr>
<td><strong>Utility Brick</strong></td>
<td>3 5/8&quot; x 3 5/8&quot; x 11 5/8&quot;</td>
<td>10.2</td>
<td>.82</td>
<td>1</td>
<td>$19.43</td>
<td>$1.35</td>
<td>3</td>
</tr>
<tr>
<td><strong>Monarch Brick</strong></td>
<td>3 5/8&quot; x 3 5/8&quot; x 15 5/8&quot;</td>
<td>12.5</td>
<td>.82</td>
<td>1</td>
<td>$17.23</td>
<td>$1.90</td>
<td>2.25</td>
</tr>
<tr>
<td><strong>Double Utility Brick</strong></td>
<td>3 5/8&quot; x 7 5/8&quot; x 11 5/8&quot;</td>
<td>21</td>
<td>.82</td>
<td>1</td>
<td>$20.20</td>
<td>$3.75</td>
<td>1.5</td>
</tr>
<tr>
<td><strong>Double Monarch Brick</strong></td>
<td>3 5/8&quot; x 7 5/8&quot; x 15 5/8&quot;</td>
<td>25.5</td>
<td>.82</td>
<td>1</td>
<td>$19.15</td>
<td>$4.85</td>
<td>1.125</td>
</tr>
<tr>
<td><strong>Quad Brick</strong></td>
<td>3 5/8&quot; x 7 5/8&quot; x 7 5/8&quot;</td>
<td>14.1</td>
<td>.82</td>
<td>1</td>
<td>$18.90</td>
<td>$2.20</td>
<td>2.25</td>
</tr>
</tbody>
</table>
**VENEERS INCLUDE: TIES, COLOR MORTAR AND WASH DOWN**

<table>
<thead>
<tr>
<th><strong>SPLIT FACE CMU</strong></th>
<th><strong>SPLIT FACE HALF HIGH CMU</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>7 5/8&quot; x 7 5/8&quot; x 15 5/8&quot;</td>
<td>7 5/8&quot; x 3 5/8&quot; x 15 5/8&quot;</td>
</tr>
<tr>
<td>Weight: 39 #</td>
<td>Weight: 18 #</td>
</tr>
<tr>
<td>Fire Rating: 2 HR</td>
<td>Fire Rating: 1 HR</td>
</tr>
<tr>
<td>Cost: $15.95 PER SF</td>
<td>Cost: $20.38 PER SF</td>
</tr>
<tr>
<td>Allowance: $4.05 EA 1.125 PER SF</td>
<td>Allowance: $2.95 EA 2.25 PER SF</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>SMOOTH COLOR CMU</strong></th>
<th><strong>SMOOTH COLOR HALF HIGH</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>7 5/8&quot; x 7 5/8&quot; x 15 5/8&quot;</td>
<td>7 5/8&quot; x 3 5/8&quot; x 15 5/8&quot;</td>
</tr>
<tr>
<td>Weight: 34 #</td>
<td>Weight: 24 #</td>
</tr>
<tr>
<td>Fire Rating: 2 HR</td>
<td>Fire Rating: 2 HR</td>
</tr>
<tr>
<td>Cost: $15.70 PER SF</td>
<td>Cost: $18.00 PER SF</td>
</tr>
<tr>
<td>Allowance: $4.05 EA 1.125 PER SF</td>
<td>Allowance: $2.25 EA 2.25 PER SF</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>SMOOTH COLOR SINGLE SCORE</strong></th>
<th><strong>SPLIT FACE CMU</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>7 5/8&quot; x 7 5/8&quot; x 15 5/8&quot;</td>
<td>7 5/8&quot; x 7 5/8&quot; x 15 5/8&quot;</td>
</tr>
<tr>
<td>Weight: 34 #</td>
<td>Weight: 39 #</td>
</tr>
<tr>
<td>Fire Rating: 1.9 HR</td>
<td>Fire Rating: 2 HR</td>
</tr>
<tr>
<td>Cost: $16.20 PER SF</td>
<td>Cost: $16.70 PER SF</td>
</tr>
<tr>
<td>Allowance: $3.85 EA 1.125 PER SF</td>
<td>Allowance: $4.35 EA 1.125 PER SF</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>DOUBLE THRU WALL MONARCH BRICK</strong></th>
<th><strong>THRU WALL MONARCH</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>7 5/8&quot; x 7 5/8&quot; x 15 5/8&quot;</td>
<td>7 5/8&quot; x 3 5/8&quot; x 15 5/8&quot;</td>
</tr>
<tr>
<td>Weight: 42 #</td>
<td>Weight: 21.8 #</td>
</tr>
<tr>
<td>Fire Rating: 2 HR</td>
<td>Fire Rating: 2 HR</td>
</tr>
<tr>
<td>Cost: $25.48 PER SF</td>
<td>Cost: $27.00 PER SF</td>
</tr>
<tr>
<td>Allowance: $9.50 EA 1.125 PER SF</td>
<td>Allowance: $4.75 EA 2.25 PER SF</td>
</tr>
</tbody>
</table>
THRU-WALL UNITS INCLUDE: DUROWALL, COLOR MORTAR, DRY BLOCK AND WASH DOWN

**SPLIT FACE CMU**

11 5/8" x 7 5/8" x 15 5/8"
- Weight: 56 #
- U Value: .50
- Fire Rating: 3.5 HR
- Cost: $18.40 PER SF

Allowance: $5.25 EA 1.125 PER SF

**SPLIT FACE HALF HIGH CMU**

11 5/8" x 3 5/8" x 15 5/8"
- Weight: 27 #
- U Value: .50
- Fire Rating: 3.4 HR
- Cost: $25.94 PER SF

Allowance: $3.90 EA 2.25 PER SF

**SMOOTH COLOR CMU**

11 5/8" x 7 5/8" x 15 5/8"
- Weight: 50 #
- U Value: .31
- Fire Rating: 3.5 HR
- Cost: $18.48 PER SF

Allowance: $5.00 EA 1.125 PER SF

**SMOOTH COLOR HALF HIGH**

11 5/8" x 3 5/8" x 15 5/8"
- Weight: 25 #
- U Value: .31
- Fire Rating: 3.4 HR
- Cost: $23.73 PER SF

Allowance: $3.65 EA 2.25 PER SF

**SMOOTH COLOR SINGLE SCORE**

11 5/8" x 7 5/8" x 15 5/8"
- Weight: 50 #
- U Value: .31
- Fire Rating: 3.5 HR
- Cost: $18.48 PER SF

Allowance: $5.30 EA 1.125 PER SF

**SPLIT FACE SINGLE SCORE CMU**

11 5/8" x 7 5/8" x 15 5/8"
- Weight: 56 #
- U Value: .50
- Fire Rating: 3.5 HR
- Cost: $19.20 PER SF

Allowance: $5.55 EA 1.125 PER SF

**HAYDITE CMU**

11 5/8" x 7 5/8" x 15 5/8"
- Weight: 42 #
- U Value: .32
- Fire Rating: 3.4 HR
- Cost: $13.40 PER SF

To Be Painted

Allowance: $3.10 EA 1.125 PER SF

**HAYDITE SINGLE SCORE CMU**

11 5/8" x 7 5/8" x 15 5/8"
- Weight: 42 #
- U Value: .32
- Fire Rating: 3.4 HR
- Cost: $14.00 PER SF

To Be Painted

Allowance: $3.30 EA 1.125 PER SF
INTERIOR GRAY CMU INCLUDES: DUROWALL
16” O.C. TO BE PAINTED

**4” CMU**
3 5/8” x 7 5/8” x 15 5/8”
Weight: 25 #
U Value: .76
Fire Rating: 1 HR
Cost: $10.85 PER SF
Allowance: $1.25 EA  1.125 PER SF

**4” CMU (PLUMBING WALLS)**
3 5/8” x 7 5/8” x 15 5/8”
Weight: 25 #
U Value: .76
Fire Rating: 1 HR
Cost: $15.20 PER SF
Allowance: $1.25 EA  1.125 PER SF

**6” CMU**
5 5/8” x 7 5/8” x 15 5/8”
Weight: 28 #
U Value: .43
Fire Rating: 1.25 HR
Cost: $10.90 PER SF
Allowance: $1.50 EA  1.125 PER SF

**8” CMU**
7 5/8” x 7 5/8” x 15 5/8”
Weight: 38 #
U Value: .38
Fire Rating: 1.9 HR
Cost: $10.75 PER SF
Allowance: $1.55 EA  1.125 PER SF

**10” CMU**
9 5/8” x 7 5/8” x 15 5/8”
Weight: 46 #
U Value: .31
Fire Rating: 2.4 HR
Cost: $12.28 PER SF
Allowance: $2.10 EA  1.125 PER SF

**12” CMU**
11 5/8” x 7 5/8” x 15 5/8”
Weight: 49 #
U Value: .31
Fire Rating: 3.5 HR
Cost: $12.68 PER SF
Allowance: $2.25 EA  1.125 PER SF

**14” CMU**
13 5/8” x 7 5/8” x 15 5/8”
Weight: 45 #
U Value: .31
Fire Rating: 4 HR
Cost: $17.00 PER SF
Allowance: $4.85 EA  1.125 PER SF

**16” CMU**
15 5/8” x 7 5/8” x 15 5/8”
Weight: 50 #
U Value: .31
Fire Rating: 4 HR
Cost: $17.42 PER SF
Allowance: $5.10 EA  1.125 PER SF
Brick Restoration
Waterproofing
Tuckpointing
Caulking

Our Services Include:
- Caulking
- Tuckpointing
- Brick Cleaning
- Waterproofing
- Masonry & Commercial Restoration
- Firestopping
- Power Washing
- Air Barrier Application

Our clients comprise of Colleges, Elementary & High Schools, Churches, Restaurants, Hotels, Banks, Credit Unions
Not only in Ohio but also Pennsylvania, West Virginia, New York, Georgia, and even as far as Florida.

Tony Donnelly
Cell 330.353.3439
Office 330.456.4578
Fax 330.456.2378
Buckeye_Caulking@yahoo.com

1528 Milford Street N.E.
Canton, OH 44714

Call Today to talk to one of our experts
330-794-8040

A Reputation Built On, Knowledge-Trust & Integrity

AmeriSeal & Restoration LLC

Scaffolding
Laser Screed Rental
Forming & Shoring Rental

Shoring for Structural Slabs
Easily Reconfigured Gang Forming
Curved Wall Handset Forming
Curved Wall Gloves
Easily Reconfigured Gang Forming
Curved Wall Handset Forming

Products
Hand Tools
Power Tools
Concrete Accessories
Masonry Accessories

7590 Whipple Ave NW | North Canton, OH 44720
330-497-9090
For All Your Construction Supply Needs, and
Scaffold, Form, and Shoring Rentals
## CMU Add Ons

### Add for Grout in Block
- 5 Rebar @ 48" O.C. with Bond Beam / 2 # 4 at Top
- 6" CMU ADD $2.35 PER SF
- 8" CMU ADD $2.40 PER SF
- 10" CMU ADD $2.50 PER SF
- 12" CMU ADD $2.60 PER SF
- 14" CMU ADD $3.00 PER SF
- 16" CMU ADD $3.70 PER SF

### Add for Brick on Block
- Modular Brick ADD $20.55 PER SF
- Jumbo Brick ADD $18.40 PER SF
- Norman Brick ADD $19.15 PER SF
- Utility Brick ADD $15.90 PER SF
- Monarch Brick ADD $14.65 PER SF
- Double Utility Brick $16.20 PER SF
- Double Morach Brick $15.20 PER SF
- Quad Brick $15.75 PER SF

### Cavity Wall Insulation
- 1" Poly ADD $2.38 PER SF
- 2" Poly ADD $2.62 PER SF
- 3" Poly ADD $3.08 PER SF
- 2 1/2" Foil Faced Urethane ADD $3.50 PER SF
- 3" Mineral Wool ADD $3.70 PER SF
- Foam in Place 8" CMU Fill Insulation ADD $1.16 PER SF
- Foam in Place 12" CMU Fill Insulation ADD $1.34 PER SF

### Air Barriers
- Spray on Air Barrier ADD $3.00
- 2 1/2" Spray Foam and Air Barrier ADD $3.70

### Flashings
- 40 Mill Vinyl Self Adhesive with S.S. Drip, Term Bar, Mortar Net and Weeps LF $11.60
- 3 OZ Copper Self Adhesive with S.S. Drip, Term Bar, Mortar Net and Weeps LF $13.30
- 5 OZ Copper Self Adhesive with S.S. Drip, Term Bar, Mortar Net and Weeps LF $16.50
- Stainless Self Adhesive with S.S. Drip, Term Bar, Mortar Net and Weeps LF $14.00
Build Your Company's Reputation On Our Strength.

BRICK / BLOCK / STONE / HARDSCAPES
www.SCHORYSUPPLY.com
(330) 456-8369
1-800-622-6041

-Schory Cement Products -Unilock -Casa Di Sassi Stone
-Belden Brick -RI Lampus -Provia Stone
-GlenGery Brick -Techo Block -ESW Stone
-Triangle Brick -Rockwood -Dutch Quality
-Watsontown brick -Belgard -Landmark Stone
-Brampton Brick -Waterford Stone

“Nothing is out of reach”

PROMOTING OUR INDUSTRY AND OUR PRODUCTS PROVING OUR VALUE
ARTIFICIAL STONE AND BRICK

CULTURED STONE ON CMU CEMENT SCRATCH COAT
Stone Allowance: $6.24 PER SF
Est. Cost: $23.72 PER SF

CULTURED STONE YELLOW BOARD TWO LAYERS VAPOR BARRIER CEMENT SCRATCH COAT
Stone Allowance: $6.24 PER SF
Est. Cost: $24.90 PER SF

THIN BRICK YELLOW BOARD TWO LAYERS VAPOR BARRIER METAL PANEL
Brick Allowance: $1.40 EA $6.75 PER SF
Est. Cost: $30.00 PER SF

INTERIOR THIN BRICK YELLOW BOARD OR DRYWALL VAPOR BARRIERS CEMENT SCRATCH COAT
Brick Allowance: $1.40 EA $6.75 PER SF
Est. Cost: $36.00 PER SF
THIN CAST STONE
1” x 1'-0” x 2'-0” ON
CMU Add $10.68 SF for New Cement Scratch Coat
Stone Allowance: $9.24 PER SF
Est. Cost: $32.00 PER SF

THIN CAST STONE
1” x 1'-0” x 2'-0” ON
Yellow Board with 2 Vapor Barriers Cement Scratch Coat with Gel Mesh
Stone Allowance: $9.24 PER SF
Est. Cost: $37.00 PER SF

THIN CAST STONE CHISELED FACE
1” x 1'-0” x 2'-0” ON
CMU Add $10.68 SF for New Cement Scratch Coat
Stone Allowance: $9.24 PER SF
Est. Cost: $37.75 PER SF

THIN CAST STONE CHISELED FACE
1” x 1'-0” x 2'-0” ON
Yellow Board with 2 Vapor Barriers Cement Scratch Coat
Stone Allowance: $9.24 PER SF
Est. Cost: $32.67 PER SF
ROHR MASONRY

COMMERCIAL, INDUSTRIAL AND INSTITUTION
4183 BEAUMONT AVE NW MASSILLON, OHIO 44647
CHRISTOPHER M. ROHR PRES. 330-495-7471
MICHAEL G. ROHR V. PRES. 330-495-7471

MASONRY CONTRACTORS ASSOCIATION OF NORTHEAST OHIO
ASSOCIATION OF UNION MASON CONTRACTORS

BRICKLAYERS & ALLIED CRAFTWORKERS
Canton, OH, Local 6

MATHIE SUPPLY
SINCE 1918
BUILDING & LANDSCAPE SUPPLIES
BRICK • BLOCK • PAVERS • RETAINING WALLS • STONE
4215 Portage St NW North Canton, OH 44720
(330) 499-2575 Fax (330) 499-1295
mathiesupply@neo.rr.com
www.mathiesupply.com
CAST STONE INCLUDES: STONE, TIES, MORTAR, WASH DOWN AND LABOR

<table>
<thead>
<tr>
<th>SMOOTH CAST STONE SF</th>
<th>CHISELED FACE CAST STONE SF</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 5/8&quot; x 11 5/8&quot; x 11 5/8&quot;</td>
<td>3 5/8&quot; x 11 5/8&quot; x 11 5/8&quot;</td>
</tr>
<tr>
<td>Weight: 50 #</td>
<td>Weight: 50 #</td>
</tr>
<tr>
<td>Cost: $57.25 PER SF</td>
<td>Cost: $58.60 PER SF</td>
</tr>
<tr>
<td>Allowance: $24.15 SF</td>
<td>Allowance: $25.20 SF</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAST STONE SILL LF</th>
<th>CAST STONE SILL LF</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 5/8&quot; x 5 5/8&quot; x 11 5/8&quot;</td>
<td>5 5/8&quot; x 7 5/8&quot; x 11 5/8&quot;</td>
</tr>
<tr>
<td>Weight: 26 #</td>
<td>Weight: 42 #</td>
</tr>
<tr>
<td>Cost: $31.14 PER LF</td>
<td>Cost: $49.78 PER LF</td>
</tr>
<tr>
<td>Allowance: $14.98 LF</td>
<td>Allowance: $23.92 LF</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAST STONE BAND LF</th>
<th>CAST STONE BAND LF</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 5/8&quot; x 7 5/8&quot; x 11 5/8&quot;</td>
<td>4 5/8&quot; x 7 5/8&quot; x 11 5/8&quot;</td>
</tr>
<tr>
<td>Weight: 33 #</td>
<td>Weight: 42 #</td>
</tr>
<tr>
<td>Cost: $35.07 PER LF</td>
<td>Cost: $44.31 PER LF</td>
</tr>
<tr>
<td>Allowance: $15.95 LF</td>
<td>Allowance: $19.96 LF</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAST STONE COPING LF</th>
<th>CAST STONE COPING LF</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 5/8&quot; x 3 5/8&quot; TO 2 5/8&quot; x 11 5/8&quot;</td>
<td>11 5/8&quot; x 2 5/8&quot; TO 3 5/8&quot; x 11 5/8&quot;</td>
</tr>
<tr>
<td>Weight: 66 #</td>
<td>Weight: 50 #</td>
</tr>
<tr>
<td>Cost: $72.45 PER LF</td>
<td>Cost: $32.26 PER LF</td>
</tr>
<tr>
<td>Allowance: $31.95 LF</td>
<td>Allowance: $29.96 LF</td>
</tr>
</tbody>
</table>
COMPARABLE WALL COST

ASSUMPTIONS:
The square foot cost represented here are based upon the following assumptions:

A. Labor cost as of June 1, 2019
B. Material cost as of June 1, 2019
C. Unit cost as shown

Wall Economics
For far too many years this question has been asked, and the answer has served as a basis for selecting masonry walls. Whether being answered by the mason contractor or material supplier, the “old standard” per thousand prices are no longer appropriate. Certainly, as the rest of the construction industry has found, it is appropriate to think of masonry walls in terms of COST PER SQUARE FOOT.

In this day of “industrialized systems”, “packaged systems”, and a maze of other “wonder methods” of construction, those who would design, or build are being fed a never-ending supply of claims and counterclaims that result in confusion, or many questions at best.

Today’s designer is faced with an increasingly more difficult job of evaluating and sifting through these “wonder systems” and rightfully adopting or utilizing those with merit. The proficiency of the evaluator is based upon his ability to properly compare what is available. This being completed, the final selection becomes rather academic.

There are three basic factors necessary to achieve successful construction; namely, aesthetics, engineering, and economics. We recognize the professional approach to aesthetics by the architect, and engineering as a well-documented science in most instances; however, economics remain rather difficult and often frustrating to evaluate. From the publication “Brick the Competitive Edge” by the Brick Institute of American, the following factors should be considered to arrive at a fair economic evaluation:

Value of Money
This is another way of saying interest rate. To evaluate total wall cost, one must consider total initial cost plus “present worth” of all future costs. To know interest rates and future payment schedules enables one to compute present values of future costs.

Depreciation
This is of particular importance to taxable organizations, allowing them to recover a large portion of initial costs. It is usually computed on a straight-line basis and is influenced by time, nature of materials, and obsolescence.

Price Increases
Today we can assume that prices will continue to rise. The weighted average increase of building costs since 1939 until now is .105 per year. Not to consider this factor when evaluating walls with maintenance and operational expenses involved, results in bias toward these walls.

Income Taxes
May have an influence on wall selection. Since operational expenses can be charged off for tax purposes, walls with low initial cost and higher operational costs may be justified. This is not true, of course, for tax-exempt organizations (schools, churches, and possibly other non-profits). Careful research should be given to these applications.

Initial Construction Costs
Usually a representative cost can be developed from various cost references such as this guide. It is important, however, that the developer or investor does not act as the architect or engineer. The only method of determining final costs is by competitive bidding. The wall costs presented in this guide are appropriate for masonry work in the Northeast Ohio area.

Cost of Supporting Walls
On extremely tall structures, the cost of supporting non load-bearing panel or curtain walls must be charged to the initial wall cost. The heavier the wall, the greater the foundation requirement. In load-bearing buildings, the use of bearing walls eliminates structural frame costs; therefore, in comparison, walls utilizing structural frames should be charged with frame costs.

Space Occupied by the Walls
This is of importance in rental properties or structure of limited space. Not all structures, of course, are concerned with this limited space factor.
**Speed of Erection**
This consideration may provide savings of initial construction costs as well as a faster return on investments for the owner. There are signs that prefabrication may provide an additional dividend, particularly on-site prefabrication of masonry walls. It must be kept in mind, however, that design and preparation time must be added into erection time.

**Air-Conditioning Costs**
In evaluating types of walls, this can be one of the most significant considerations. Exterior wall colors, weight, and transparency affect how much heat is gained. Lower costs favor heavier opaque walls and may vary from about 50 cents per square foot up to $12.00 or more in transparent walls.

**Heating Costs**
Certainly, an important consideration affected by the heat transmission qualities of the walls. Costs of heating structures of insulated walls may be up to ten times less than those of uninsulated transparent walls.

**Maintenance Expenditures**
Of major importance are those costs which include painting, cleaning, caulking, and pointing. Since these are primarily labor costs, they become very significant.

Consider:
- The cost of window cleaning. This must be done every three months. Add to this the cost of maintaining drapes or blinds.
- Metal skin buildings must be washed about every eight years.
- Masonry is usually cleaned by sandblasting every 35 years.
- Caulking for windows or panels at eight-year intervals.
- Tuck-pointing masonry at 35-year intervals.

**Illumination Costs**
Since most buildings utilize artificial lighting, very little if any savings are affected through glass utilization.

**Salvage Values**
Of some consequence are metal panels that offer salvage values as opposed to completely depreciated walls of other materials, particularly at a normal 50-year life.

**Insurance Rates**
Rates are based upon type of structure, occupancy, degree of exposure, and fire protection provided. Costs vary greatly between masonry walls and other materials and become significant on larger structures.

**Real Estate Taxes**
Real estate values usually decline as a building matures, but real estate rates generally rise. These factors tend to nullify each other. It is wise to consult a local taxing agency and to remember the higher the initial cost, the higher the taxes.
D2W WORKHORSE

PLUG INTO 120V POWER AND MIX WHERE YOU WORK!
Indoor, outdoor and floor to floor, the D2W WORKHORSE cranks out over 1 yard of mix per hour with NO NOISE, WASTE or DUST.

WWW.SPEC MIX.COM

PATRICK O’TOOLE – SPEC MIX OHIO
216-513-9502
© 2019 SPEC MIX

MASONRY SERVICES CORP. SBE, WBE
CAST STONE
4139 BEAUMONT AVE NW, MASSILLON, OHIO 44647
SHERYL A. ROHR, PRESIDENT
MICHAEL G. ROHR, SALES AND DRAFTING
330-495-7471

Summa YMCA
Mt. Union Arts Center
St. Luke’s Home
## SUPPLIER AND MANUFACTURER ASSOCIATES

<table>
<thead>
<tr>
<th>Company Name</th>
<th>Address</th>
<th>Phone Number</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AKRON HYDRAULIC INC.</strong></td>
<td>151 West Dartmore Avenue, Akron, OH 44301</td>
<td>(330) 724-6999</td>
</tr>
<tr>
<td><strong>BELDEN BRICK</strong></td>
<td>700 Tuscarawas Street West, Canton, OH 44701</td>
<td>(330) 451-2031</td>
</tr>
<tr>
<td><strong>BRUDER INC.</strong></td>
<td>16900 Rockside Road, Maple Heights, OH 44137</td>
<td>(330) 791-9800</td>
</tr>
<tr>
<td><strong>CHAS SVEC INC.</strong></td>
<td>5470 Dunham Road, Akron, OH 44317</td>
<td>(216) 662-5200</td>
</tr>
<tr>
<td><strong>ED SCHORY AND SON</strong></td>
<td>5177 Louisville Street Northeast, Louisville, KY 44641</td>
<td>(330) 456-8369</td>
</tr>
<tr>
<td><strong>FAIRBORN CEMENT LLC.</strong></td>
<td>3250 Linebaugh Road, Xenia, OH 45385</td>
<td>(937) 878-8651</td>
</tr>
<tr>
<td><strong>FALLSWAY EQUIPMENT CO.</strong></td>
<td>1277 Devalera Street, Akron, OH 44310</td>
<td>(330) 662-4379</td>
</tr>
<tr>
<td><strong>KLIMER PLATFORMS INC.</strong></td>
<td>1722 Kimball Road Southeast, Canton, OH 44707</td>
<td>(330) 409-8116</td>
</tr>
<tr>
<td><strong>KOLTZ CONCRETE BLOCK</strong></td>
<td>7660 Oak Leaf Road, Oakwood Village, OH 44701</td>
<td>(440) 232-3630</td>
</tr>
<tr>
<td><strong>LAFARGE NORTH AMERICA</strong></td>
<td>1645 Indian Wood Center, Maumee, OH 44537</td>
<td>(800) 933-0461</td>
</tr>
<tr>
<td><strong>MATHIE SUPPLY INC.</strong></td>
<td>4215 Portage Street NW, North Canton, OH 44720</td>
<td>(330) 499-2575</td>
</tr>
<tr>
<td><strong>OBERFIELDS INC.</strong></td>
<td>744 Hampshire Road, Stow, OH 44224</td>
<td>(614) 252-0655</td>
</tr>
<tr>
<td><strong>PROSOCO INC.</strong></td>
<td>3178 Rockingham Street, Uniontown, OH 44685</td>
<td>(800) 255-4255</td>
</tr>
<tr>
<td><strong>R.W. SIDLEY</strong></td>
<td>PO Box 150, Painsville, OH 44077</td>
<td>(800) 536-9343</td>
</tr>
<tr>
<td><strong>RAYMOND BUILDERS SUPPLY</strong></td>
<td>4680 North Ridge Road East, Geneva, OH 44041</td>
<td>(440) 466-4470</td>
</tr>
<tr>
<td><strong>SPECMIX</strong></td>
<td>2693 Lake Rockwell Road, Ravenna, OH 44266</td>
<td>(330) 296-6080</td>
</tr>
<tr>
<td><strong>THE HENRY BIERCE CO.</strong></td>
<td>50 Southeast Avenue, Tallmadge, OH 44278</td>
<td>(330) 633-3282</td>
</tr>
<tr>
<td><strong>THOMAS BRICK CO.</strong></td>
<td>2775 Chagrin Boulevard, Cleveland, OH 44122</td>
<td>(216) 831-9116</td>
</tr>
<tr>
<td><strong>W.L. TUCKER SUPPLY</strong></td>
<td>2800 Second Street, Cuyahoga Falls, OH 44221</td>
<td>(330) 928-2155</td>
</tr>
<tr>
<td><strong>W CONSTRUCTION SUPPLY</strong></td>
<td>7590 Whipple Avenue Northwest, North Canton, OH 44720</td>
<td>(330) 497-9090</td>
</tr>
</tbody>
</table>

## CAREER CENTER AFFILIATIONS

<table>
<thead>
<tr>
<th>Career Center</th>
<th>Address</th>
<th>Phone Number</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AKRON PUBLIC SCHOOLS – Buchtel CLC</strong></td>
<td>Akron, OH 44320</td>
<td>(330) 761-7945</td>
</tr>
<tr>
<td><strong>BUCKEYE CAREER CENTER</strong></td>
<td>Todd Bonvechoi, 545 University Drive, New Philadelphia, OH 44663</td>
<td>(330) 339-2288</td>
</tr>
<tr>
<td><strong>MAPLEWOOD CAREER CENTER</strong></td>
<td>Bob Pavkov, 7075 OH-88, Ravenna, OH 44266</td>
<td>(330) 296-2892</td>
</tr>
<tr>
<td><strong>QUAD SCHOOLS – Copley, Wadsworth, Barberton, Norton</strong></td>
<td>Don Beggert, 524 Broad St., Wadsworth, OH 44218</td>
<td>(330) 335-1309</td>
</tr>
<tr>
<td><strong>RACHAEL TECAS</strong></td>
<td>Akron, OH 44320</td>
<td>(330) 761-7945</td>
</tr>
</tbody>
</table>

*Note: Phone numbers may have changed since publication.*
# Mason Contractor Members

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>Phone Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ameriseal &amp; Restoration</td>
<td>1920 South Main Street, Akron, Ohio 44312</td>
<td>(330) 773-7377</td>
</tr>
<tr>
<td>Beaver Contractors</td>
<td>2000 Beaver Place Southwest A, Canton, Ohio 44706</td>
<td>(330) 478-2151</td>
</tr>
<tr>
<td>Benner Masonry</td>
<td>PO Box 17, Mantua, Ohio 44255</td>
<td>(330) 274-3148</td>
</tr>
<tr>
<td>Buckeye Caulking</td>
<td>1920 South Main Street, Canton, Ohio 44714</td>
<td>(330) 456-4578</td>
</tr>
<tr>
<td>Gary L. Burns Masonry</td>
<td>2015 West Main Street, Louisville, Ohio 44714</td>
<td>(330) 875-5858</td>
</tr>
<tr>
<td>C.J. Masonry</td>
<td>1331 Kennedy Road, Streetsboro, Ohio 44241</td>
<td>(330) 626-5713</td>
</tr>
<tr>
<td>Coon Caulking</td>
<td>7349 Ravenna Avenue Northeast, Louisville, Ohio 44641</td>
<td>(330) 875-2100</td>
</tr>
<tr>
<td>Crowe Construction</td>
<td>1985 Echo Road, Stow, Ohio 44224</td>
<td>(330) 697-9017</td>
</tr>
<tr>
<td>Duer Construction</td>
<td>70 East North Street, Akron, Ohio 44304</td>
<td>(330) 848-9930</td>
</tr>
<tr>
<td>Foti Contracting</td>
<td>1164 Lloyd Road, Wickliffe, Ohio 44092</td>
<td>(440) 347-0728</td>
</tr>
<tr>
<td>Fabcon Inc. (Tilt Up)</td>
<td>3400 Jackson Pike, Grove City, Ohio 43123</td>
<td>(614) 425-3305</td>
</tr>
<tr>
<td>Garner Enterprises</td>
<td>3420 Clark Road, Perry, Ohio 44081</td>
<td>(440) 259-1001</td>
</tr>
<tr>
<td>Graciano Corp.</td>
<td>209 Sigma Drive, Pittsburgh, Pennsylvania 15238</td>
<td>(330) 697-9017</td>
</tr>
<tr>
<td>Grunwell-Cashero Co.</td>
<td>4901 Payne Avenue, Cleveland, Ohio 44103</td>
<td>(216) 432-1488</td>
</tr>
<tr>
<td>Koch Knight LLC</td>
<td>5385 Orchard View Drive Southeast, Canton, Ohio 44730</td>
<td>(330) 488-1651</td>
</tr>
<tr>
<td>Garor Enterprises</td>
<td>3420 Clark Road, Perry, Ohio 44081</td>
<td>(440) 259-1001</td>
</tr>
<tr>
<td>Geis Construction</td>
<td>10020 Aurora–Hudson Road, Streetsboro, Ohio 44214</td>
<td>(330) 528-3500</td>
</tr>
<tr>
<td>Grapevine Masonry</td>
<td>3421 Brent Lane, Norton, Ohio 44203</td>
<td>(330) 958-1261</td>
</tr>
<tr>
<td>Lencyk Masonry</td>
<td>5385 Orchard View Drive Southeast, Canton, Ohio 44730</td>
<td>(330) 488-1651</td>
</tr>
<tr>
<td>Koch Knight LLC</td>
<td>5385 Orchard View Drive Southeast, Canton, Ohio 44730</td>
<td>(330) 488-1651</td>
</tr>
<tr>
<td>Norteast Masonry</td>
<td>2885 Niagara Road, Suite A, Perry Twp, Ohio 44081</td>
<td>(440) 352-8416</td>
</tr>
<tr>
<td>Masonry Contracting</td>
<td>1798 Great Run Lane, Akron, Ohio 44333</td>
<td>(330) 670-6587</td>
</tr>
<tr>
<td>Resco Products Inc.</td>
<td>6878 Osnaburg Street Southeast, East Canton, Ohio 44730</td>
<td>(330) 488-1226</td>
</tr>
<tr>
<td>ROHR Masonry</td>
<td>4139 Beaumont Avenue Northwest, Massillon, Ohio 44647</td>
<td>(330) 832-6868</td>
</tr>
<tr>
<td>Sander Contracting</td>
<td>1234 Brittain Road, Akron, Ohio 44310</td>
<td>(330) 284-4485</td>
</tr>
<tr>
<td>TDR Builders Inc.</td>
<td>PO Box 1165, Uniontown, Ohio 44685</td>
<td>(330) 966-4860</td>
</tr>
<tr>
<td>United Masonry Corp.</td>
<td>6503 Wison Mills Road, Highland Heights, Ohio 44143</td>
<td>(330) 474-7093</td>
</tr>
<tr>
<td>STITLE Construction</td>
<td>PO Box 1177, Salem, Ohio 44460</td>
<td>(330) 332-9901</td>
</tr>
<tr>
<td>Stanlely Miller Const.</td>
<td>2250 Howenstine Drive Southeast, East Sparta, Ohio 44626</td>
<td>(330) 488-1651</td>
</tr>
<tr>
<td>TDI Builders Inc.</td>
<td>PO Box 1165, Uniontown, Ohio 44685</td>
<td>(330) 966-4860</td>
</tr>
<tr>
<td>United Masonry Corp.</td>
<td>6503 Wison Mills Road, Highland Heights, Ohio 44143</td>
<td>(330) 474-7093</td>
</tr>
<tr>
<td>VALENTINE CONTRACTORS</td>
<td>7681 Whipple Avenue Northwest, North Canton, Ohio 44720</td>
<td>(330) 244-1506</td>
</tr>
<tr>
<td>Warren Gillard Brick</td>
<td>107 Potomac Avenue, Talmadge, Ohio 44278</td>
<td>(330) 633-3855</td>
</tr>
<tr>
<td>WEST Side Brick &amp; Stone</td>
<td>1476 Shanabrook Drive, Akron, Ohio 44313</td>
<td>(330) 608-0476</td>
</tr>
<tr>
<td>Wischt &amp; Sons Const.</td>
<td>881 Tallmadge Road #F, Kent, Ohio 44240</td>
<td>(330) 678-7881</td>
</tr>
</tbody>
</table>

"Together, We Are Stronger"