







AmericanTM granite

A medium to coarse-grain, weathered granite featuring brown and earth tone surface colors with hand-split faces showing a blend of blue, burgundy, pink, green, brown, black and white. Mica flecks, along with garnet inclusions and quartz crystals, highlight a percentage of this stone.

ASTM DATA: Average results for ASTM tests C-97, C-99 and C-170

Water Absorption %	C-97	Specific Gravity	C-99		C-170	
	Density (lbs./cu. ft.)		Modulus of Rupture Perpendicular	Modulus of Rupture Parallel	Compressive Strength Perpendicular	Compressive Strength Parallel
0.17	172.3	2.68	1,575 psi	1,184 psi	15,770 psi	13,061 psi



Description	Size	Facing Area	Coverage (average)	Packaged Weight
Mosaic Pattern-Random Material	Thickness 3"± to 5"±	1/4 sq. ft. to 3 sq. ft.	35-40 sq. ft. per ton	3,700-4,300 lbs.±
Roughly Squared/Roughly Rectangular	Thickness 3"± to 5"±	1/4 sq. ft. to 3 sq. ft.	35-40 sq. ft. per ton	3,700-4,400 lbs.±
Ashlar	Thickness 3"± to 5"± Height 4"± to 12"±	1/4 sq. ft. to 2 sq. ft.	35-40 sq. ft. per ton	3,600-4,400 lbs.±
Ledge Stone	Thickness 1"± to 5"±, Height 3"± to 5"± Length 4"± to 12"± (greater percentage 4"-7" range)		35 sq. ft. per ton	2,800-3,500 lbs.± 
Thin Ledge Stone	Thickness 2"± to 6"± Height 1"± to 3"±	up to 1/4 sq. ft.	35 sq. ft. per ton	1,700 lbs.+ 
Flagging Stone:				
Hand-selected irregular thickness as specified, roughly squared and many sided.	Thickness 1"± to 3"±	1/2 sq. ft. to 3 sq. ft.	70 sq. ft. per ton ±	3,400-3,900 lbs.±
Wall Stone:				
Natural face and broken-edge quarry rubble.	Thickness 4"± to 12"±	1/4 sq. ft. to 3 sq. ft.	see information below	3,600-4,200 lbs.±
Uniform Rise Wall Stone	Thickness 3"± to 5"±	up to 3/4 sq. ft. ±	see information below	2,700-3,400 lbs.± 
Thin Wall Stone	Thickness 1"± to 3"±	1/4 sq. ft. to 1 sq. ft.±	see information below	3,300-3,700 lbs.±
Paving Stone	Thickness 3"± to 5"±	1/4 sq. ft. to 3 sq. ft.	35-40 sq. ft. per ton	3,700-4,400 lbs.±
Step Slab Material	Thickness 6"± to 10"±	Random lengths and widths available		1 1/2 -2 plus tons
Landscape Boulders	Clusters of 50 lbs. to 300 lbs., or 500 lbs. +			1 1/2 -2 plus tons 

AmericanTM granite

Wall Stone Coverage Calculation

Natural building and landscaping stone is typically sold by the ton.

To calculate the amount of stone needed for constructing a stone wall, use this calculation guideline.

Determine the dimensions of the wall in inches and multiply **length x width x height = cubic inches** of wall; then **divide total by 1728** (cu. in./cu. ft.) = **cubic feet** of wall.

Multiply cubic feet by 140 lbs. (average packaged weight* of Champlain Stone per cubic foot)

= **pounds of stone; divide pounds of stone by 2,000** to give you the estimated tons of stone needed.

Important Note: This calculation is provided as a guideline only. Actual coverage will vary based on installation style and job conditions.

* An average weight of 140 lbs. allows for airspace in packaging and varying joint widths, which will reduce the overall density of the cubic weight of the wall. Actual cubic weights for our stone products are noted at the bottom of each specification sheet.

 - product ships in 4-sided crate (all others ship via low pallets)

One trailer load = 12-15 low pallets

172.3 pounds per cubic foot
2.33 tons per cubic yard

AmericanTM granite

packaging • one trailer load = 12 to 15 low pallets



Mosaic Pattern-Random Material
2,600 - 3,100 lbs. ±



Roughly Squared/Rectangular
3,700 - 4,200 lbs. ±



Ashlar
2,600 - 3,100 lbs. ±



Ledge Stone
2,800 - 3,500 lbs. ±



Thin Ledge Stone
1,700 lbs. ±



Irregular Flagging
3,400 - 3,900 lbs. ±



Wall Stone
3,600 - 4,200 lbs. ±



Uniform Rise Wall Stone
2,700 - 3,400 lbs. ±



Thin Wall Stone
3,300 - 3,700 lbs. ±



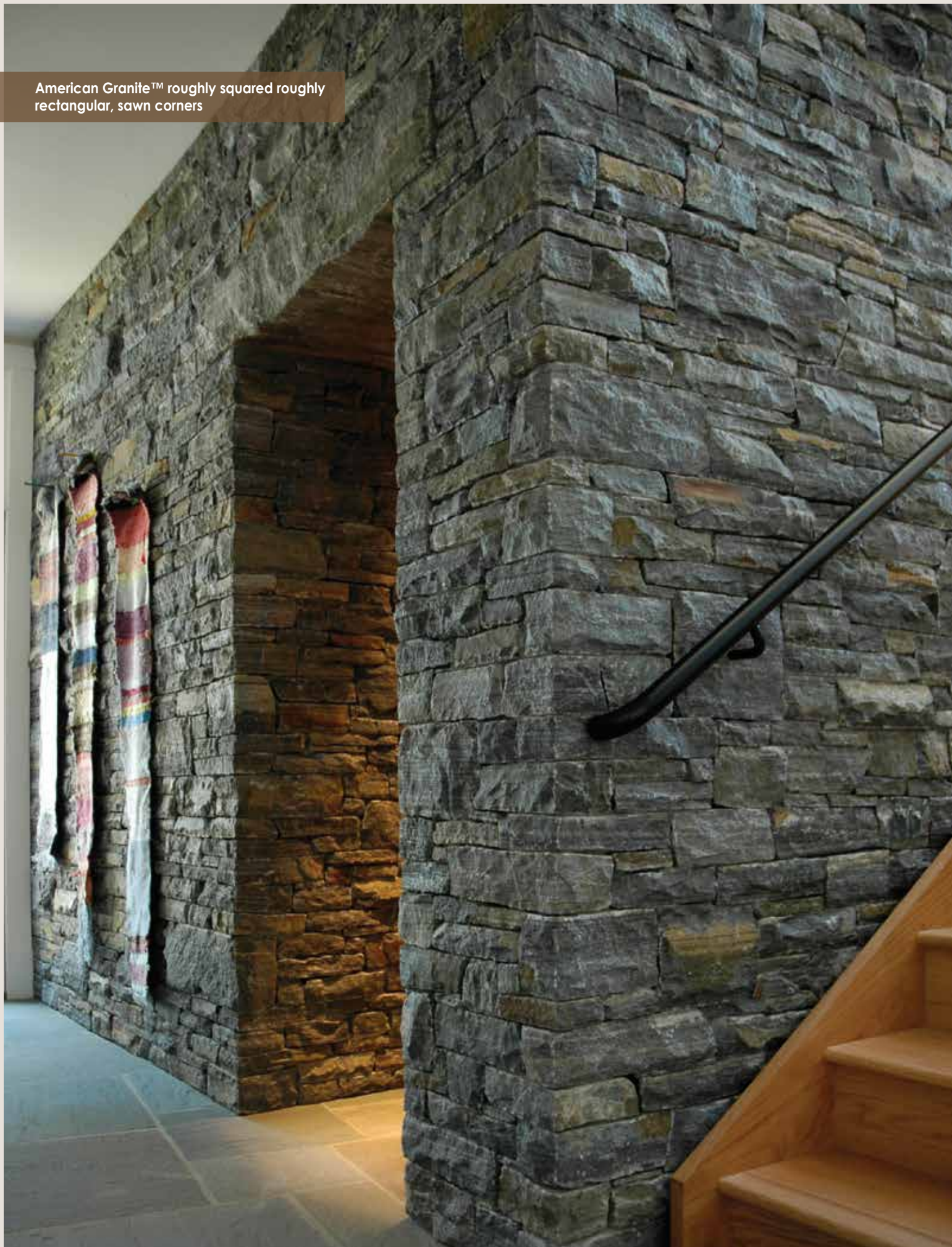
Step Slab Material
1.5 to 2+ tons

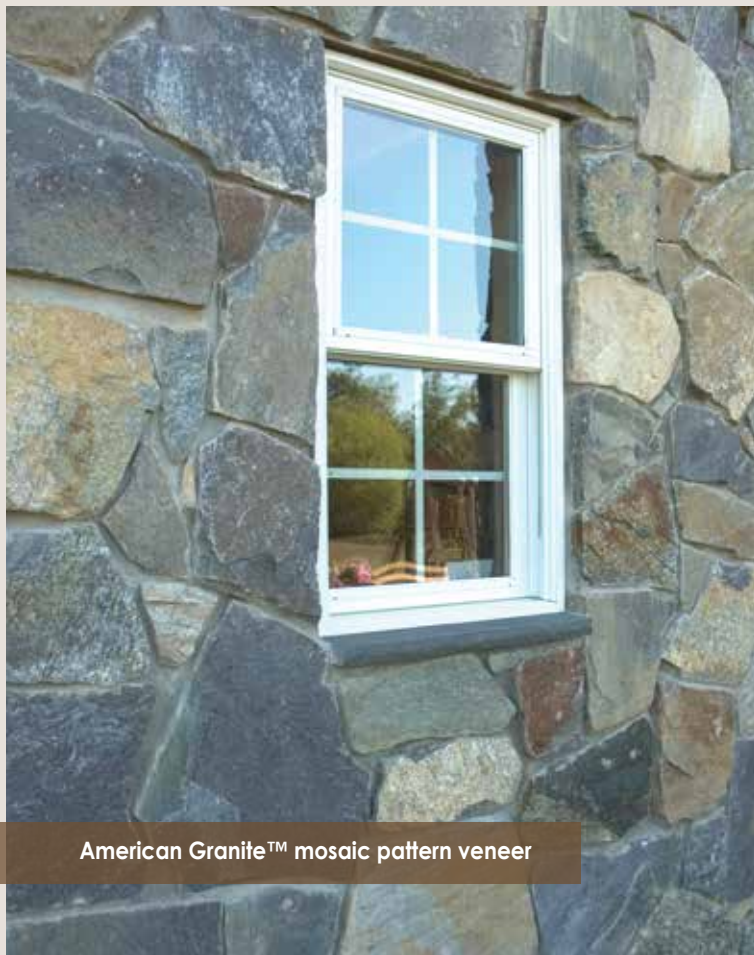


Landscape Boulders
1.5 to 2+ tons

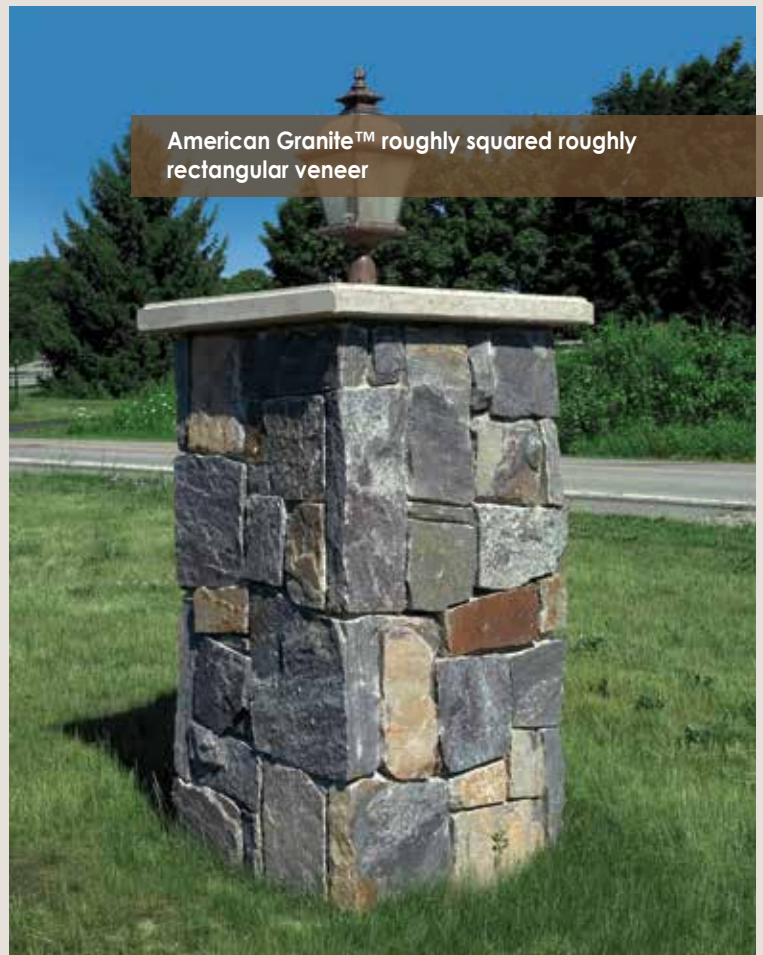


American Granite™ roughly squared roughly rectangular, sawn corners

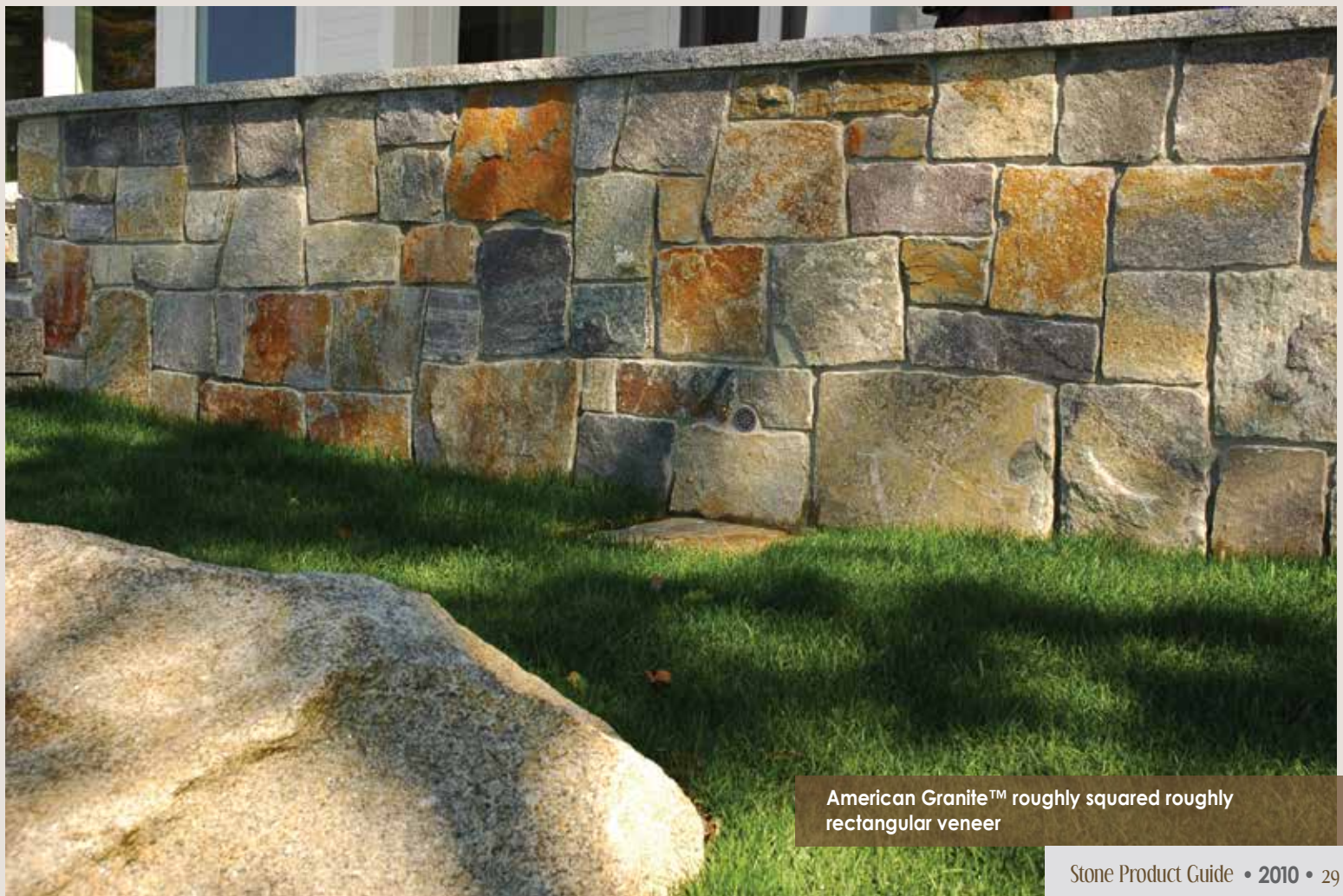




American Granite™ mosaic pattern veneer



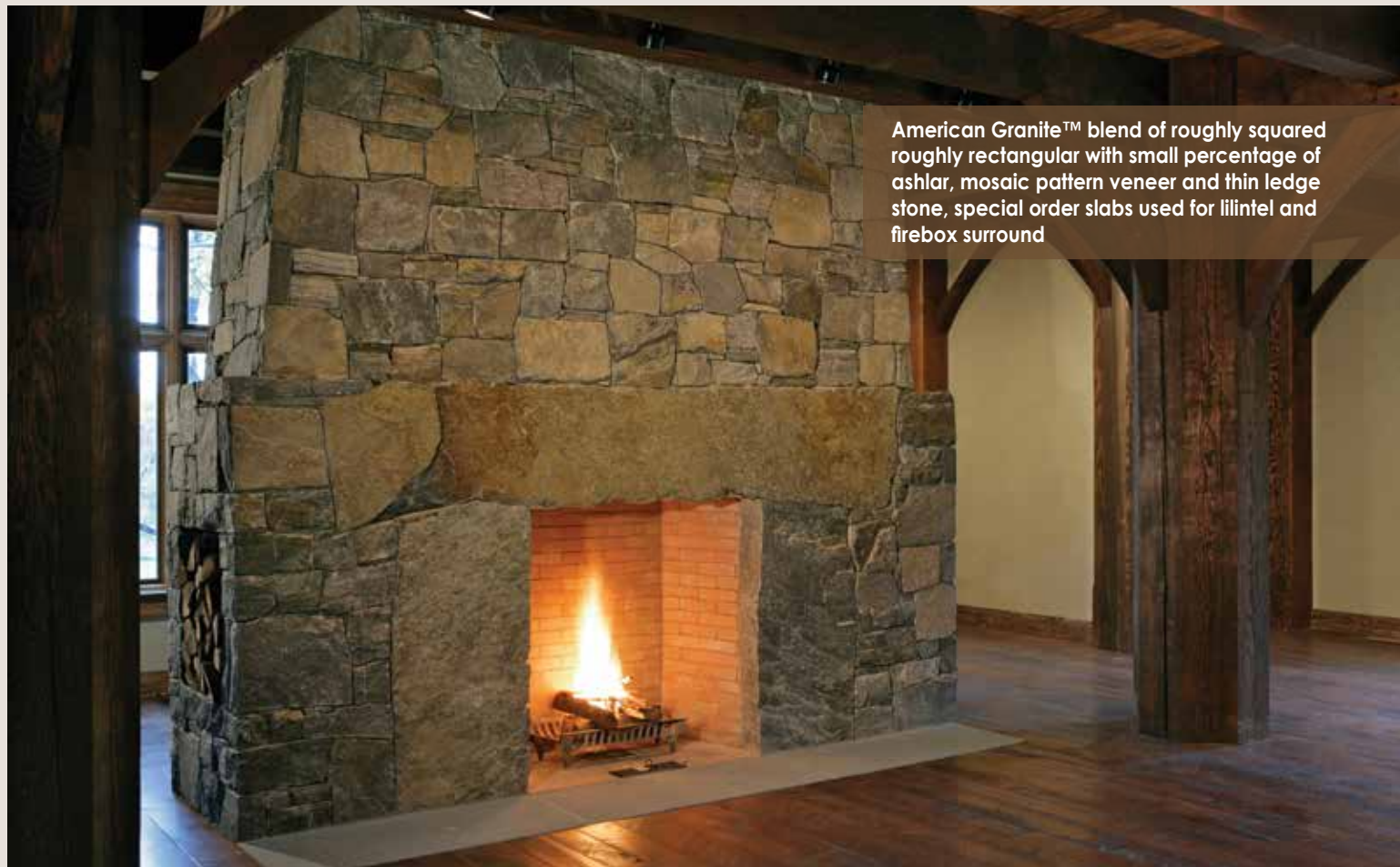
American Granite™ roughly squared roughly rectangular veneer



American Granite™ roughly squared roughly rectangular veneer

American Granite™ special order slabs and
sawn boulders



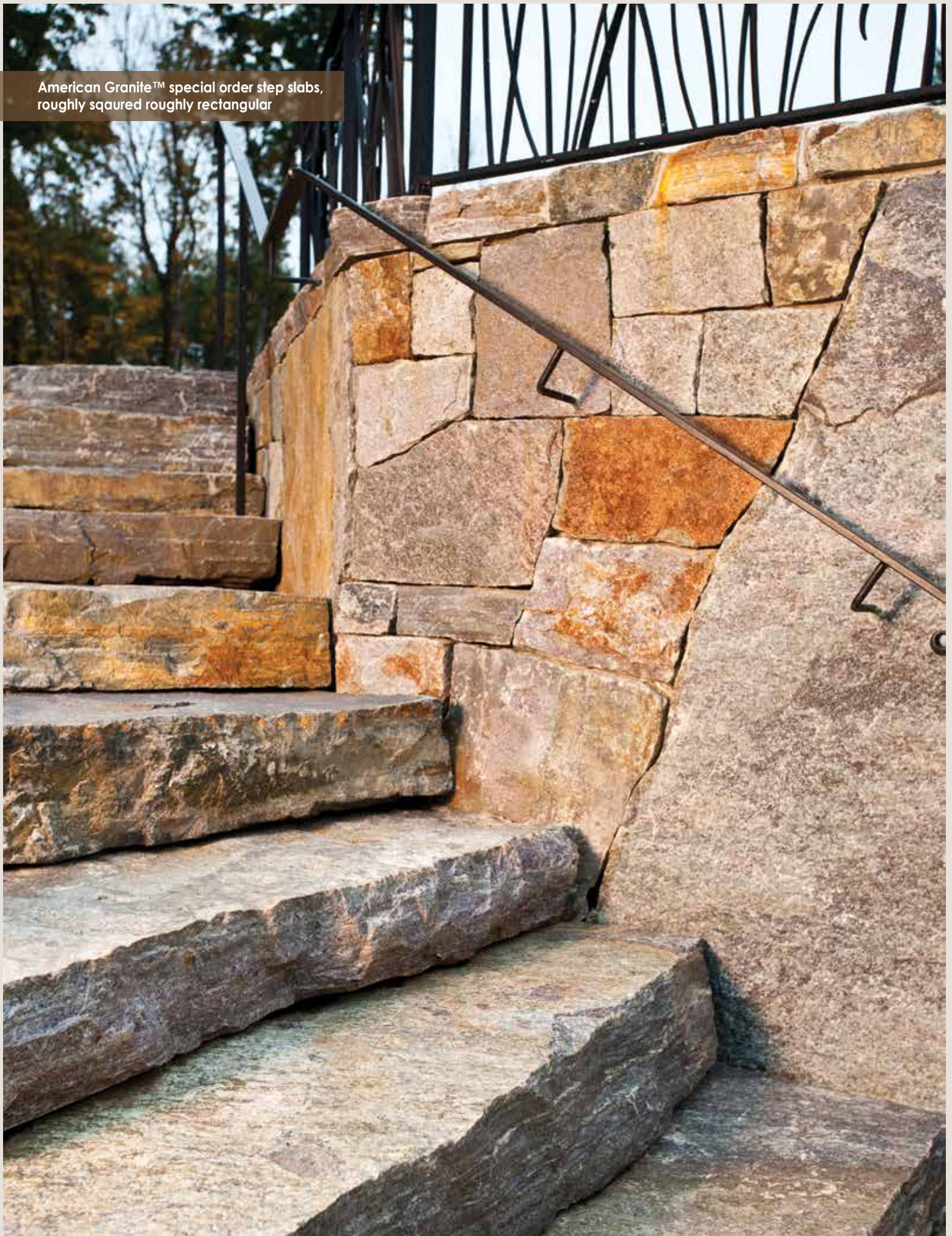


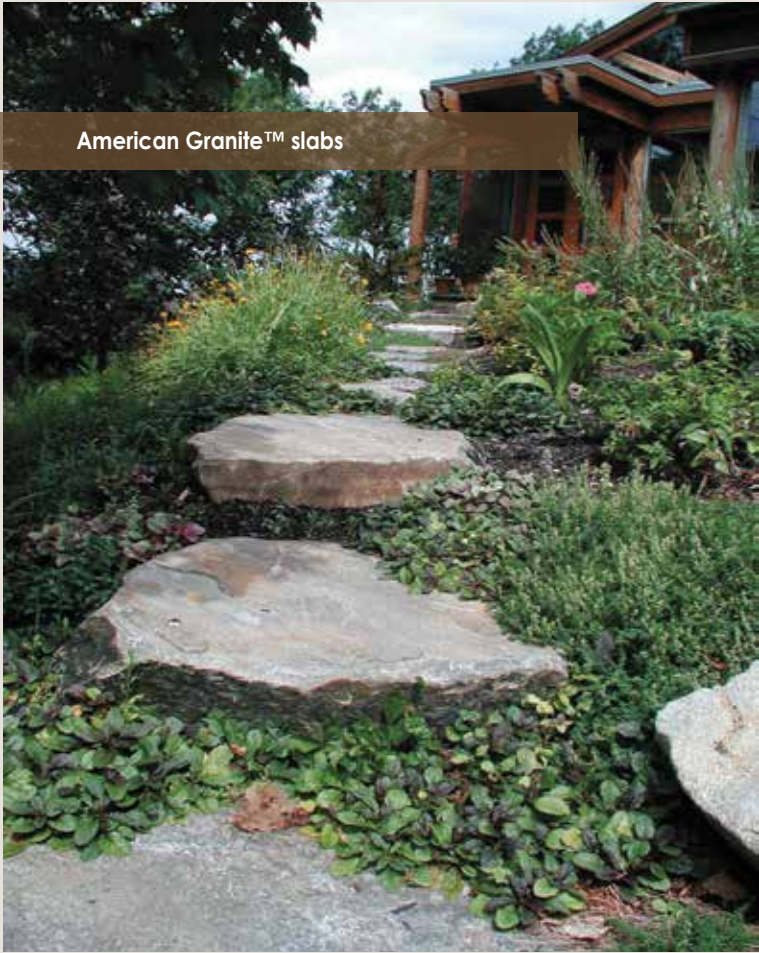
American Granite™ blend of roughly squared roughly rectangular with small percentage of ashlar, mosaic pattern veneer and thin ledge stone, special order slabs used for lintel and firebox surround



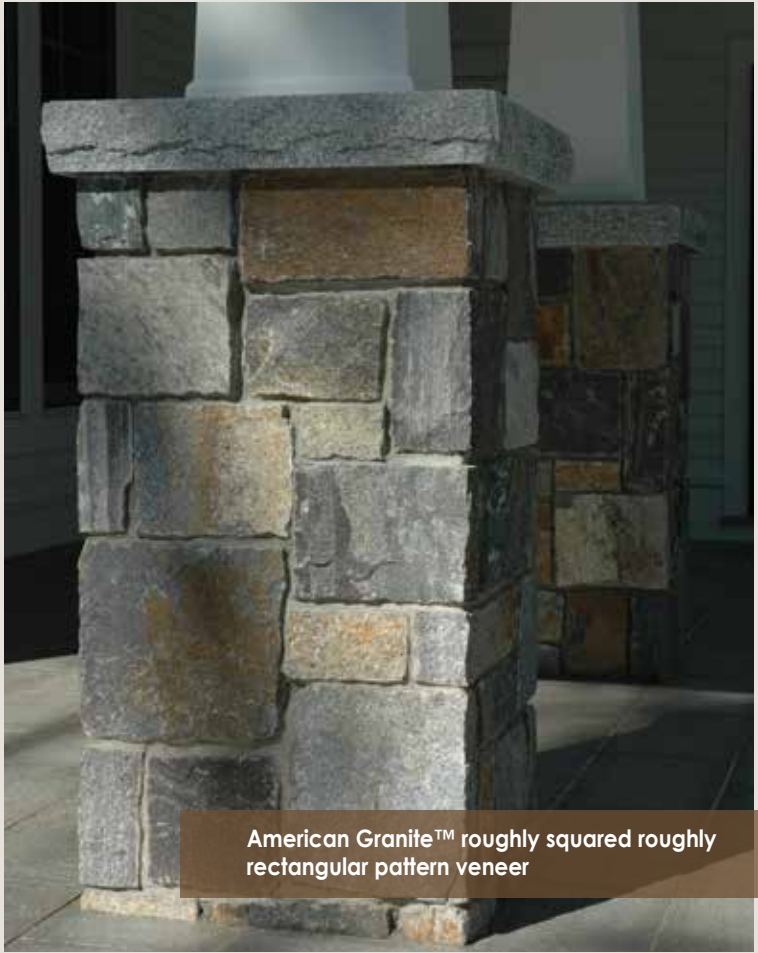
American Granite™ special order slabs surrounding firebox, slab mantel

American Granite™ special order step slabs,
roughly squared roughly rectangular





American Granite™ slabs



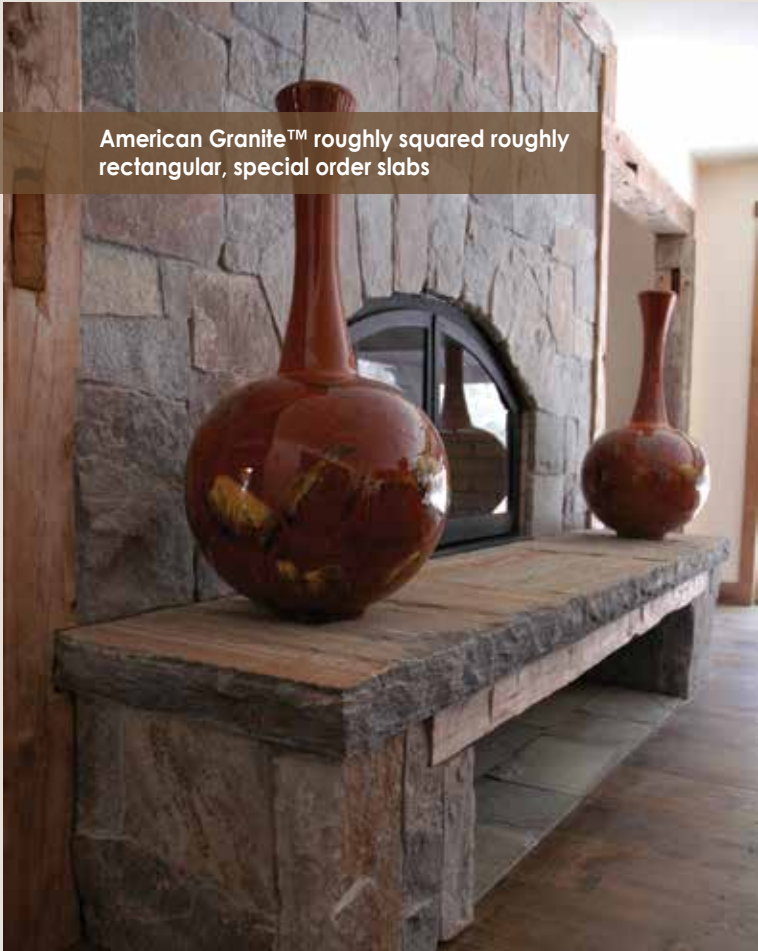
American Granite™ roughly squared roughly rectangular pattern veneer



American Granite™ special blend of wall stone mosaic and speccil order caps

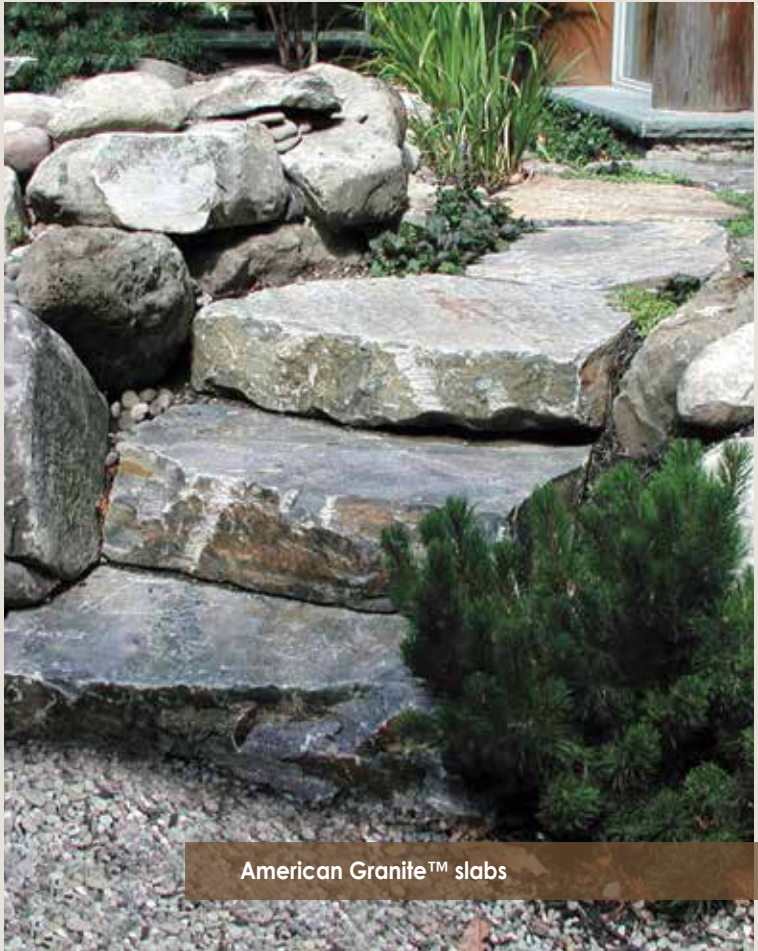
American Granite™ mosaic pattern veneer






A photograph of a stone fireplace mantel made from large, rough-squared rectangular slabs of American Granite. Two large, rounded, reddish-brown ceramic vases are placed on the mantel. A small arched window is visible in the background.

American Granite™ rough squared rough rectangular, special order slabs



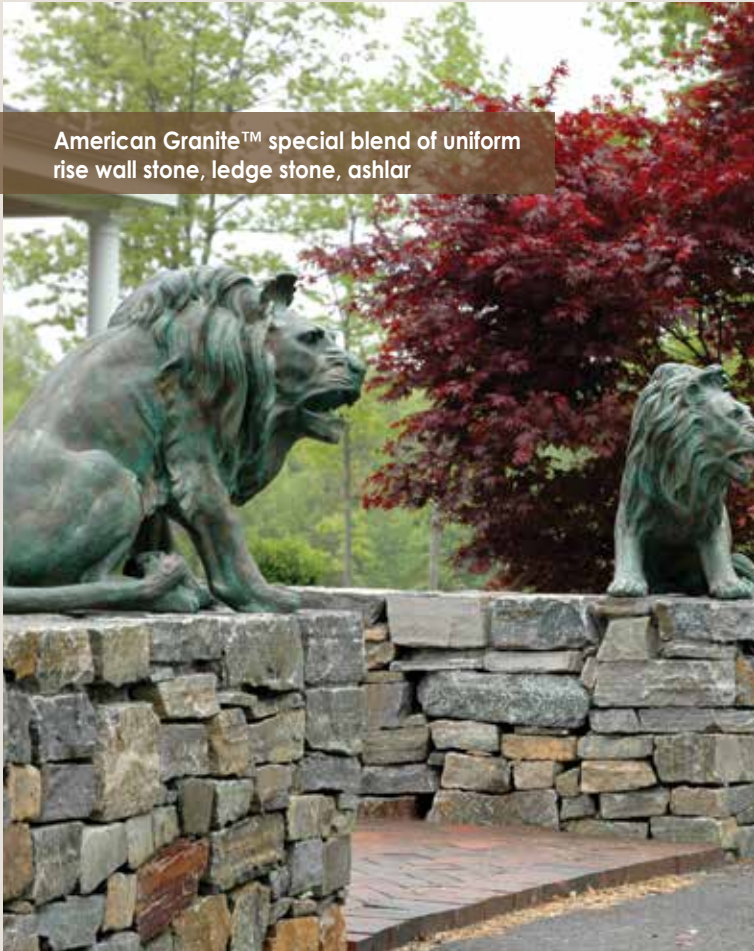
A photograph of a stone staircase made from large, flat, rectangular slabs of American Granite. The slabs are arranged in a stepped pattern, with some greenery and a small evergreen tree in the foreground.

American Granite™ slabs

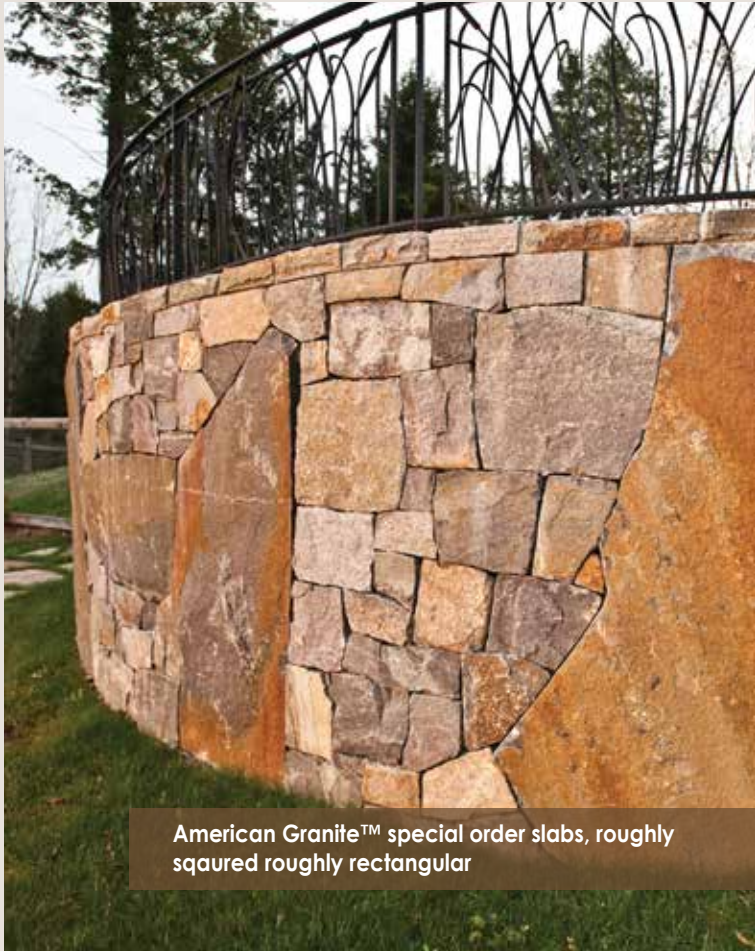


A photograph of a stone wall made from thin, rectangular ashlar stones. The wall is built with a uniform rise and is topped with a ledge stone. A bare tree branch is visible in the foreground, and a modern building with large windows is in the background.


American Granite™ special order ashlar, thin wall stone, uniform rise wall stone, ledge stone

A close-up photograph of two bronze lion statues perched on a wall made of stacked, irregular grey and tan stones. The wall is set against a backdrop of green trees and a vibrant red Japanese maple tree. A paved walkway leads towards the wall.

American Granite™ special blend of uniform
rise wall stone, ledge stone, ashlar

A photograph of a curved retaining wall constructed from large, roughly rectangular stone slabs in shades of tan and brown. A black wrought-iron railing with a decorative scroll pattern runs along the top of the wall. The wall is situated on a grassy slope.

American Granite™ special order slabs, roughly
squared roughly rectangular

A wide-angle photograph of a curved stone wall overlooking a golf course. The wall is built from a mix of grey, tan, and brown stones. In the foreground, two wooden lounge chairs are positioned on a patio of grey cobblestones. The background features a lush green golf course, a small pond, and a line of trees under a hazy sky.

American Granite™ special blend of uniform
rise wall stone, ledge stone, ashlar



Corinthian[®] granite

An elegant, enduring, medium to coarse grained granite featuring 70% Hudson River blue with a mixture of green, black, pink, brown, burgundy and white. A small percentage has black speckles throughout consisting of red and black garnet inclusions and quartz crystals.

ASTM DATA: Average results for ASTM tests C-97, C-99 and C-170

Water Absorption %	C-97	Specific Gravity	C-99		C-170	
	Density (lbs./cu. ft.)		Modulus of Rupture Perpendicular	Modulus of Rupture Parallel	Compressive Strength Perpendicular	Compressive Strength Parallel
0.17	172.3	2.68	1,575 psi	1,184 psi	15,770 psi	13,061 psi



Description	Size	Facing Area	Coverage (average)	Packaged Weight	
Mosaic Pattern-Random Material	Thickness 3"± to 5"±	1/4 sq. ft. to 3 sq. ft.	35-40 sq. ft. per ton	3,700-4,300 lbs.±	
Roughly Squared/Roughly Rectangular	Thickness 3"± to 5"±	1/4 sq. ft. to 3 sq. ft.	35-40 sq. ft. per ton	3,700-4,400 lbs.±	
Ashlar	Thickness 3"± to 5"± Height 4"± to 12"±	1/4 sq. ft. to 2 sq. ft.	35-40 sq. ft. per ton	3,600-4,400 lbs.±	
Ledge Stone	Thickness 1"± to 5"±, Height 3"± to 5"± Length 4"± to 12"± (greater percentage 4"-7" range)		35 sq. ft. per ton	2,800-3,500 lbs.±	📦
Thin Ledge Stone	Thickness 2"± to 6"± Height 1"± to 3"±	up to 1/4 sq. ft.	35 sq. ft. per ton	1,700 lbs.+	📦
Flagging Stone:					
Hand-selected irregular thickness as specified, roughly squared, many sided.	Thickness 1"± to 3"±	1/2 sq. ft. to 3 sq. ft.	70 sq. ft. per ton ±	3,400-3,900 lbs.±	
Wall Stone:					
Natural face and broken-edge quarry rubble.	Thickness 4"± to 12"±	1/4 sq. ft. to 3 sq. ft.	see information below	3,600-4,200 lbs.±	
Uniform Rise Wall Stone	Thickness 3"± to 5"±	up to 3/4 sq. ft. ±	see information below	2,700-3,400 lbs.±	
Thin Wall Stone	Thickness 1"± to 3"±	1/4 sq. ft. to 1 sq. ft.±	see information below	3,300-3,700 lbs.±	
Garden Bed Edging	Thickness 3"± to 6"±,	Height 3"± to 8"±, Length 4"± to 12"±		3,000-3,400 lbs.±	📦
Paving Stone	Thickness 3"± to 5"±	1/4 sq. ft. to 3 sq. ft.	35-40 sq. ft. per ton	3,700-4,400 lbs.±	
Step Slab Material	Thickness 6"± to 10"±	Random lengths and widths available		1 1/2 -2 plus tons	
Landscape Boulders	Clusters of 50 lbs. to 300 lbs., or 500 lbs. +			1 1/2 -2 plus tons	📦

Corinthian[®] granite

Wall Stone Coverage Calculation

Natural building and landscaping stone is typically sold by the ton.
To calculate the amount of stone needed for constructing a stone wall, use this calculation guideline.

Determine the dimensions of the wall in inches and multiply **length x width x height = cubic inches** of wall;
then **divide total by 1728** (cu. in./cu. ft.) = **cubic feet** of wall.
Multiply cubic feet by 140 lbs. (average packaged weight* of Champlain Stone per cubic foot)
= pounds of stone; divide pounds of stone by 2,000 to give you the estimated tons of stone needed.

Important Note: This calculation is provided as a guideline only. Actual coverage will vary based on installation style and job conditions.
* An average weight of 140 lbs. allows for airspace in packaging and varying joint widths, which will reduce the overall density of the cubic weight of the wall. Actual cubic weights for our stone products are noted at the bottom of each specification sheet.

📦 - product ships in 4-sided crate (all others ship via low pallets)
One trailer load = 12-15 low pallets

172.3 pounds per cubic foot
2.33 tons per cubic yard

Corinthian[®] granite

packaging • one trailer load = 12 to 15 low pallets



Mosaic Pattern-Random Material
3,600 - 4,200 lbs. ±



Roughly Squared/Rectangular
3,700 - 4,200 lbs. ±



Ashlar
3,600 - 4,200 lbs. ±



Ledge Stone
2,800 - 3,500 lbs. ±



Thin Ledge Stone
1,700 lbs. ±



Irregular Flagging
3,400 - 3,900 lbs. ±



Wall Stone
3,600 - 4,200 lbs. ±



Uniform Rise Wall Stone
2,700 - 3,400 lbs. ±



Garden Bed Edging/Euro Ashlar
3,300 - 3,850 lbs. ±



Thin Wall Stone
3,000 - 3,400 lbs. ±



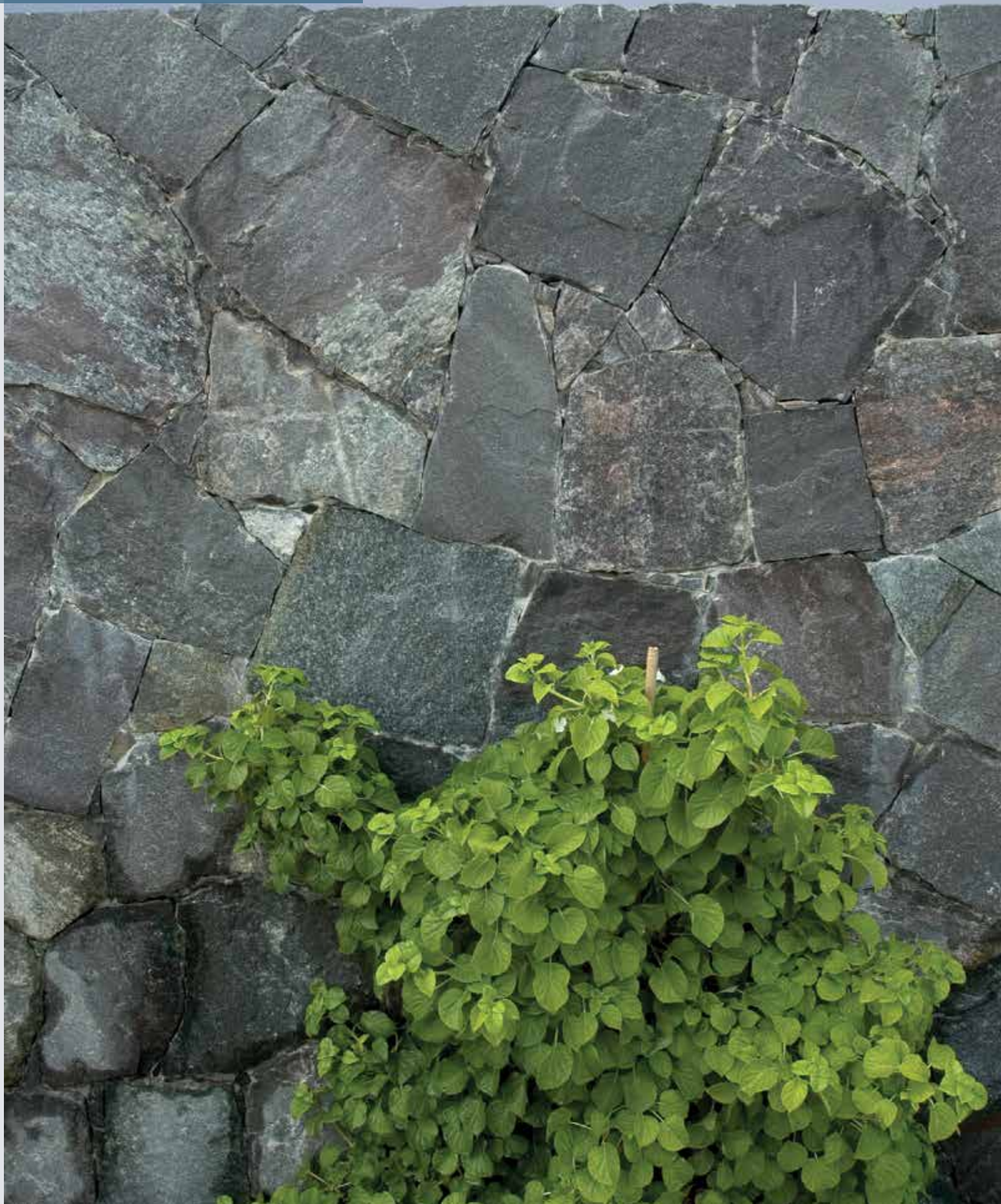
Step Slab Material
1.5 to 2+ tons



Landscape Boulders
1.5 to 2+ tons

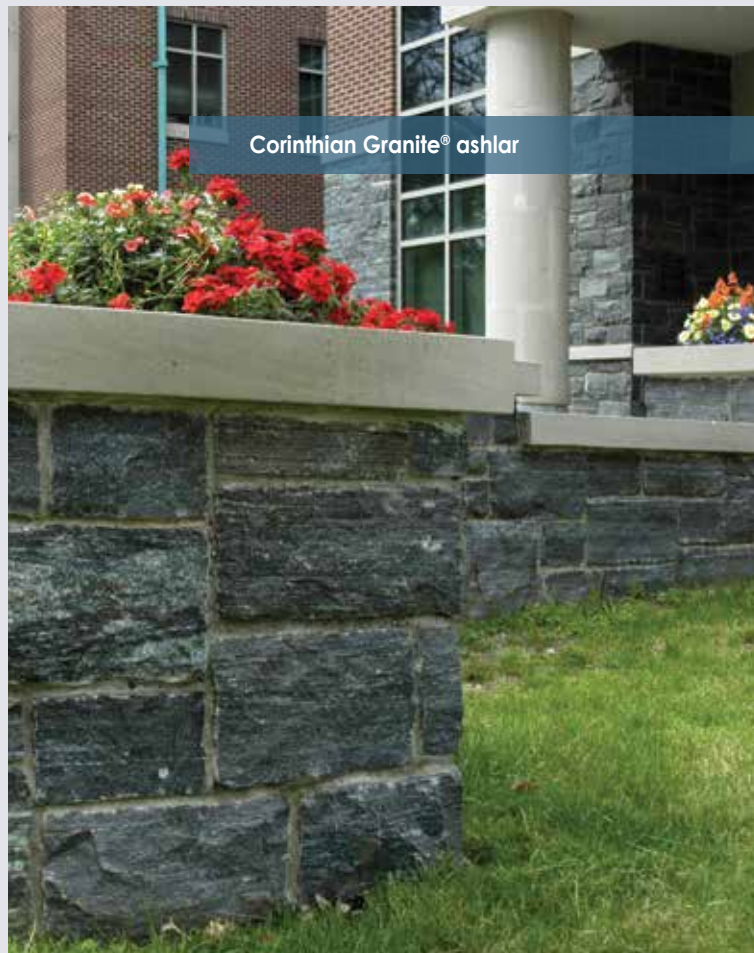


Corinthian Granite® flagging used as a veneer





Corinthian Granite® blend of roughly squared
roughly rectangular, ashlar



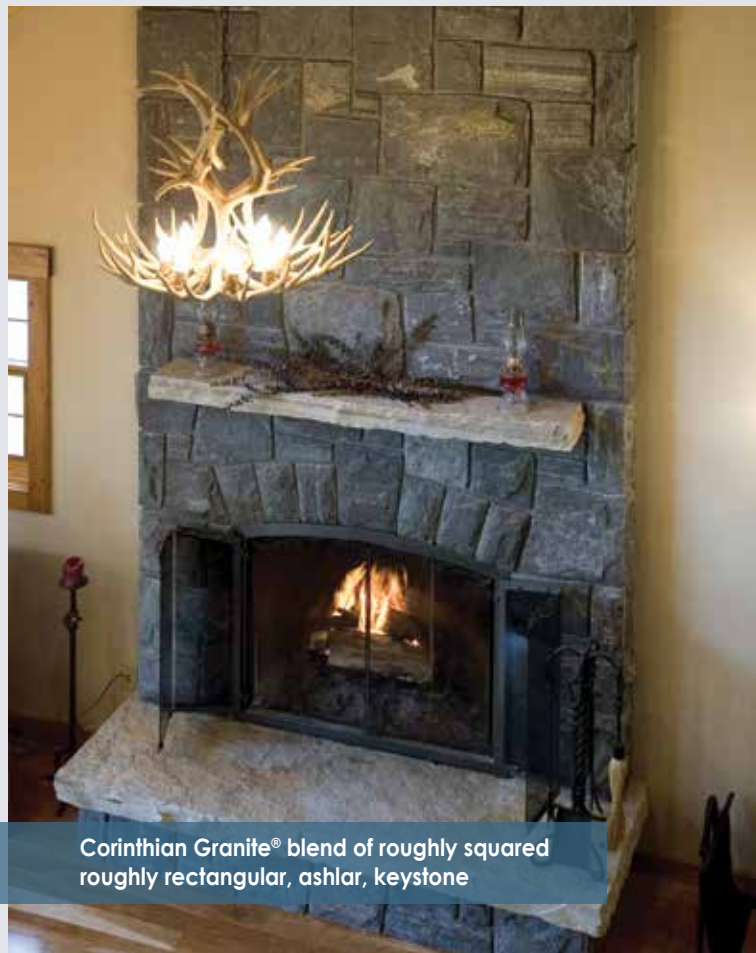
Corinthian Granite® ashlar



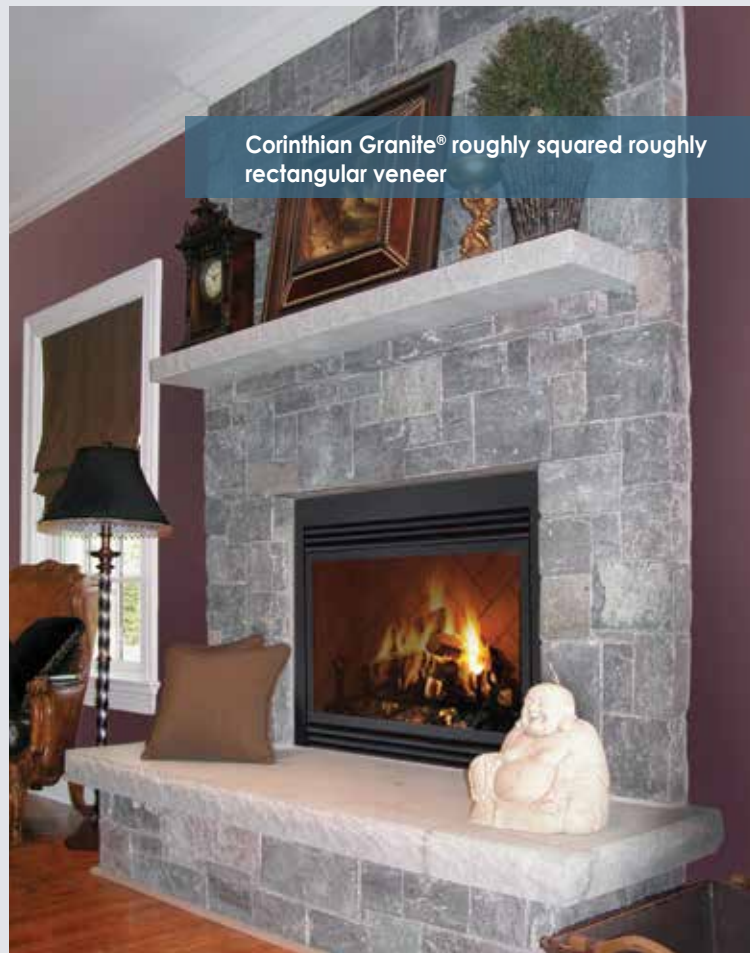
Corinthian Granite® ashlar

Corinthian Granite® mosaic pattern veneer

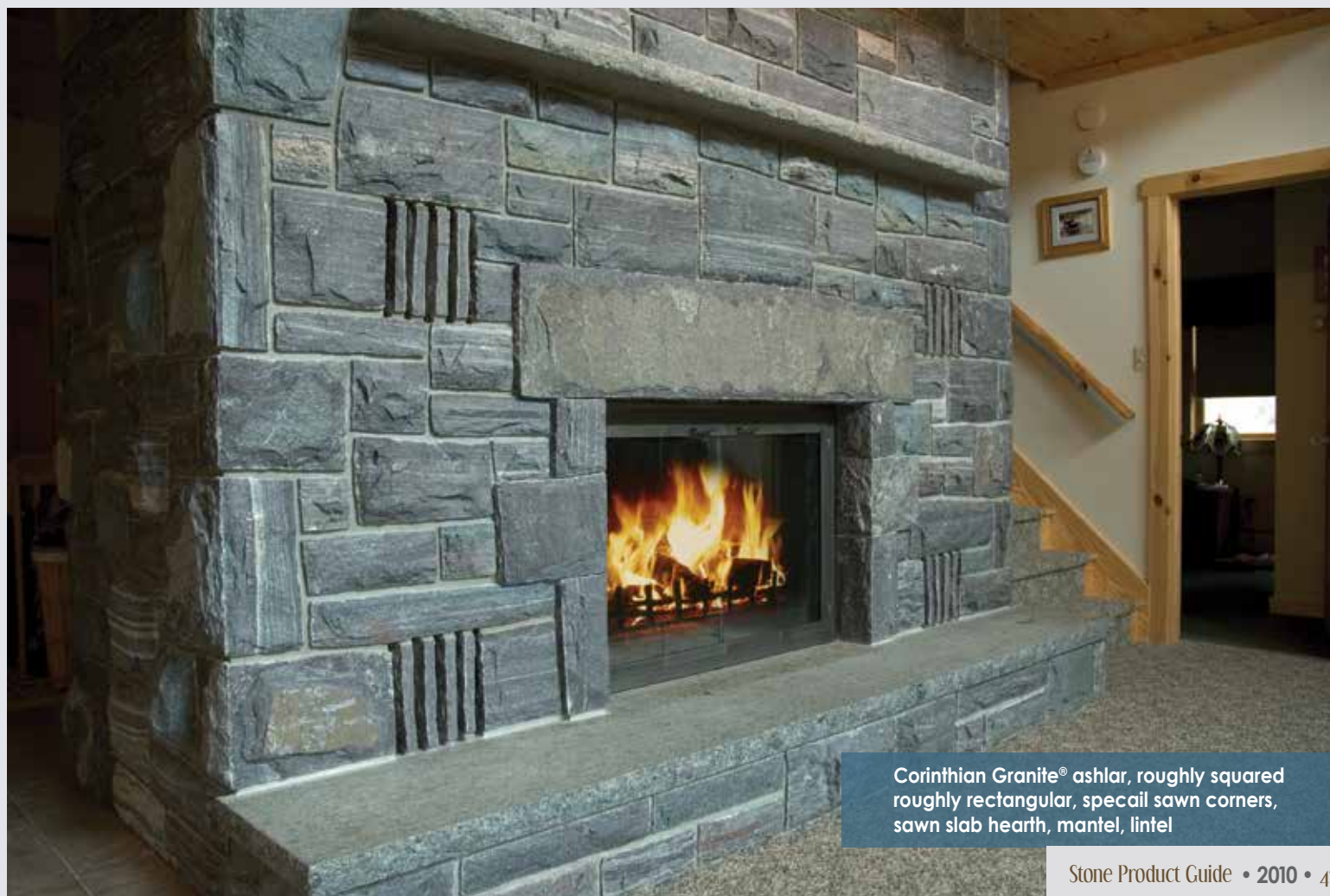




Corinthian Granite® blend of roughly squared roughly rectangular, ashlar, keystone

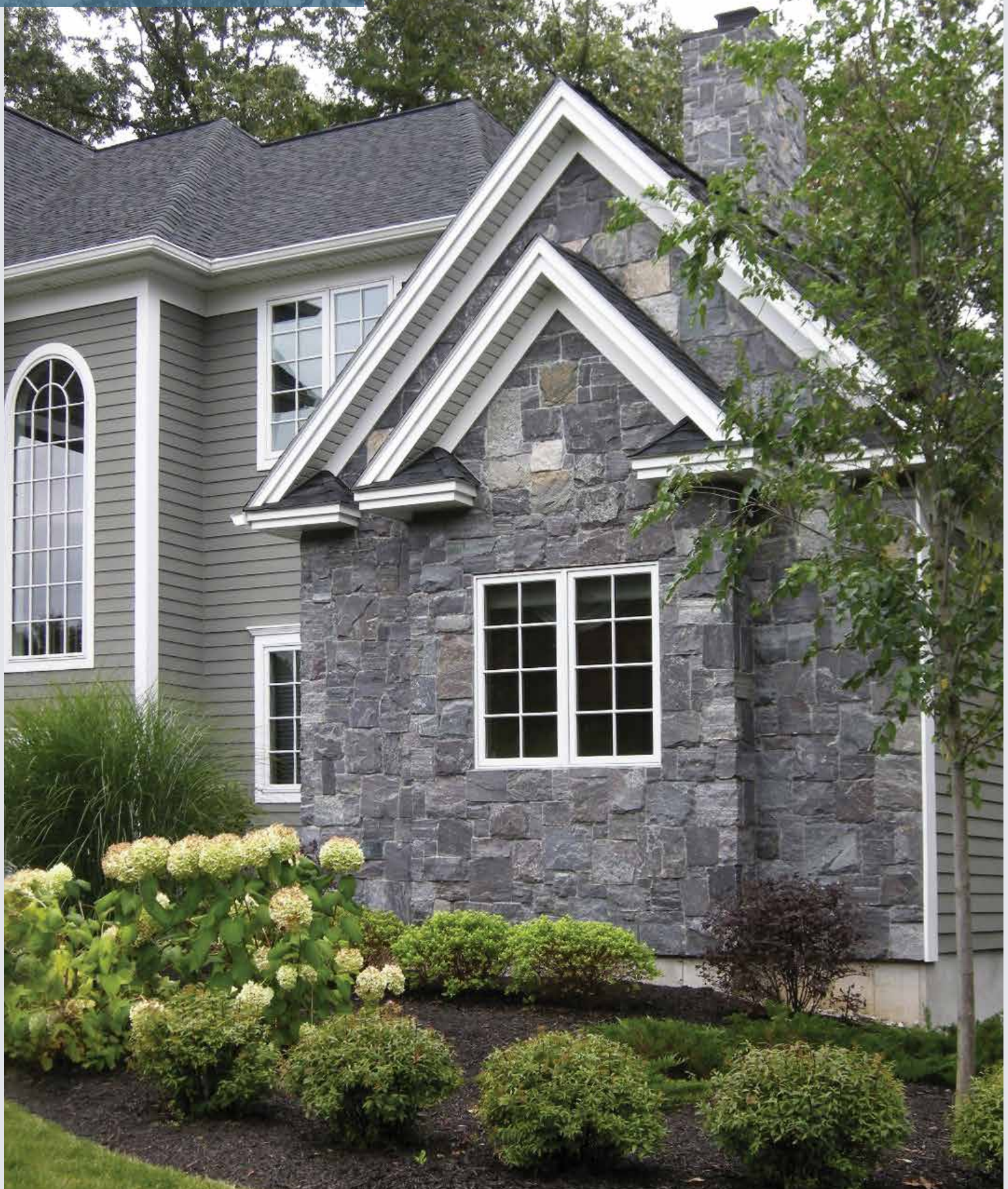


Corinthian Granite® roughly squared roughly rectangular veneer



Corinthian Granite® ashlar, roughly squared roughly rectangular, specail sawn corners, sawn slab hearth, mantel, lintel

Corinthian Granite® roughly squared roughly rectangular veneer





Corinthian Granite® mosaic pattern veneer



Corinthian Granite® blend of roughly squared roughly rectangular, ashlar, keystone, slabs



Corinthian Granite® ashlar

Corinthian Granite® mosaic pattern veneer



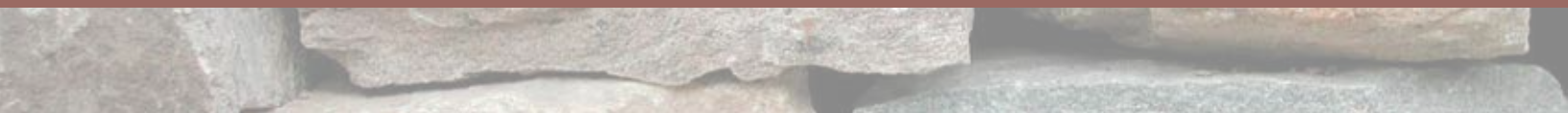


Van Tassell[®] granite

A unique granite that combines a soft pallet of colors with the strength and texture consistent with our other products. Quarried from ledges deeply veined in New York's Dutch ancestry, Van Tassell Granite[®] features a blend of buff, pink, blue/green and brown with a granular texture featuring random speckling and striations.

ASTM DATA: Average results for ASTM tests C-97, C-99 and C-170

Water Absorption %	C-97	Specific Gravity	C-99		C-170	
	Density (lbs./cu. ft.)		Modulus of Rupture Perpendicular	Modulus of Rupture Parallel	Compressive Strength Perpendicular	Compressive Strength Parallel
0.27	165.8	2.66	2,620 psi	2,120 psi	24,000 psi	19,200 psi



Description	Size	Facing Area	Coverage (average)	Packaged Weight	
Mosaic Pattern-Random Material	Thickness 3"± to 5"±	1/4 sq. ft. to 3 sq. ft.	35-40 sq. ft. per ton	3,400-3,900 lbs.±	
Roughly Squared/Roughly Rectangular	Thickness 3"± to 5"±	1/4 sq. ft. to 3 sq. ft.	35-40 sq. ft. per ton	3,700-4,300 lbs.±	
Ashlar	Thickness 3"± to 5"± Height 4"± to 12"±	1/4 sq. ft. to 2 sq. ft.	35-40 sq. ft. per ton	3,700-4,200 lbs.±	
Ledge Stone	Thickness 1"± to 5"±, Height 3"± to 5"± Length 4"± to 12"± (greater percentage 4"-7" range)		35 sq. ft. per ton	3,000-3,400 lbs.±	
Thin Ledge Stone	Thickness 2"± to 6"± Height 1"± to 3"±	up to 1/4 sq. ft.	35 sq. ft. per ton	1,500 lbs.+	
Flagging Stone:					
Hand-selected irregular thickness as specified, roughly squared, many sided.	Thickness 1"± to 3"±	1/2 sq. ft. to 3 sq. ft.	70 sq. ft. per ton ±	3,300-3,600 lbs.±	
Wall Stone:					
Natural face and broken-edge quarry rubble.	Thickness 4"± to 12"±	1/4 sq. ft. to 3 sq. ft.	see information below	3,500-4,000 lbs.±	
Uniform Rise Wall Stone	Thickness 3"± to 5"±	up to 3/4 sq. ft. ±	see information below	2,600-3,200 lbs.±	
Thin Wall Stone	Thickness 1"± to 3"±	1/4 sq. ft. to 1 sq. ft.±	see information below	3,300-3,500 lbs.±	
Paving Stone	Thickness 3"± to 5"±	1/4 sq. ft. to 3 sq. ft.	35-40 sq. ft. per ton	3,400-4,300 lbs.±	
Landscape Boulders	Clusters of 50 lbs. to 300 lbs., or 500 lbs. +			1 1/2 - 2 plus tons	

Van Tassell[®]

granite

Wall Stone Coverage Calculation

Natural building and landscaping stone is typically sold by the ton.
To calculate the amount of stone needed for constructing a stone wall, use this calculation guideline.

Determine the dimensions of the wall in inches and multiply **length x width x height = cubic inches** of wall;
then **divide total by 1728** (cu. in./cu. ft.) = **cubic feet** of wall.

Multiply cubic feet by 140 lbs. (average packaged weight* of Champlain Stone per cubic foot)

= **pounds of stone; divide pounds of stone by 2,000** to give you the estimated tons of stone needed.

Important Note: This calculation is provided as a guideline only. Actual coverage will vary based on installation style and job conditions.

* An average weight of 140 lbs. allows for airspace in packaging and varying joint widths, which will reduce the overall density of the cubic weight of the wall. Actual cubic weights for our stone products are noted at the bottom of each specification sheet.

- product ships in 4-sided crate (all others ship via low pallets)

One trailer load = 12-15 low pallets

165.8 pounds per cubic foot
2.24 tons per cubic yard

Van Tassell[®] granite

packaging • one trailer load = 12 to 15 low pallets



Mosaic Pattern-Random Material

3,600 - 4,200 lbs. ±



Roughly Squared/Rectangular

3,700 - 4,200 lbs. ±



Ashlar

3,600 - 4,200 lbs. ±



Ledge Stone

2,800 - 3,500 lbs. ±



Thin Ledge Stone

1,700 lbs. ±



Irregular Flagging

3,400 - 3,900 lbs. ±



Wall Stone

3,600 - 4,200 lbs. ±



Uniform Rise Wall Stone

2,700 - 3,400 lbs. ±



Thin Wall Stone

3,300 - 3,850 lbs. ±



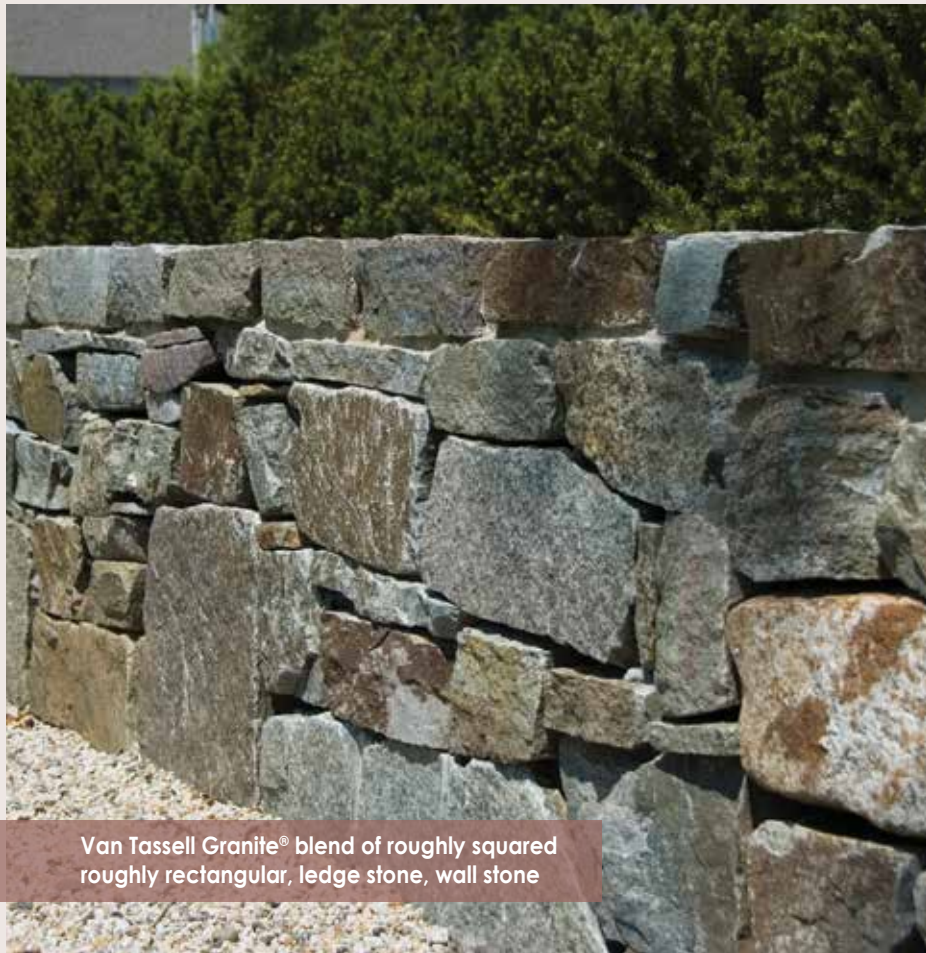
Landscape Boulder

3,000 - 3,400 lbs. ±



Van Tassell Granite® mosaic pattern veneer





Van Tassell Granite® blend of roughly squared
roughly rectangular, ledge stone, wall stone



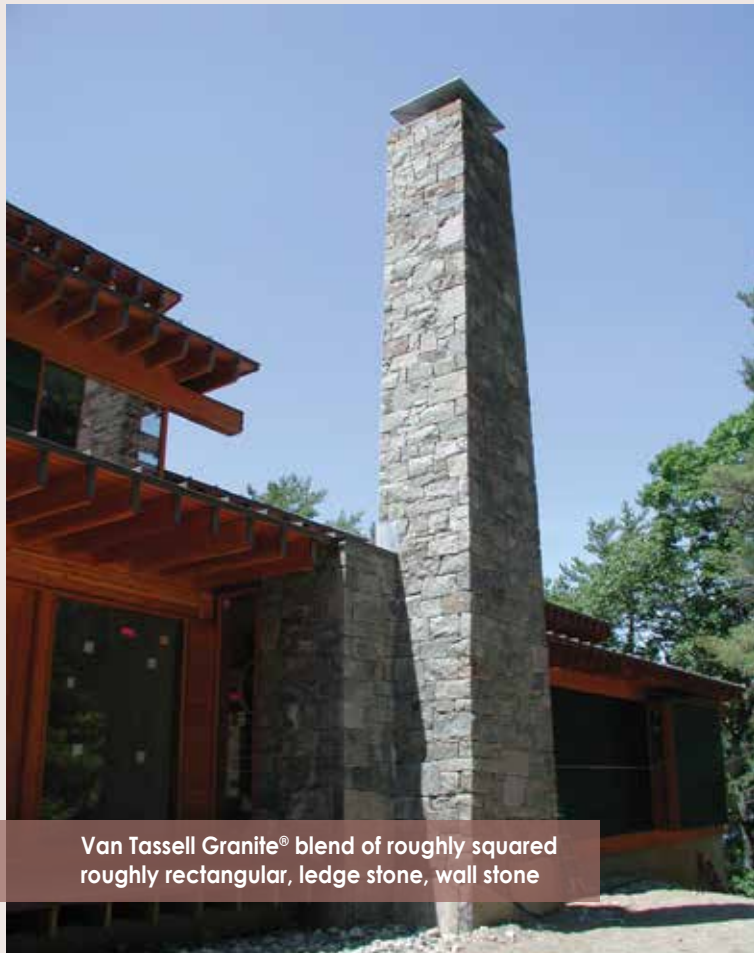
Van Tassell Granite® special order corners



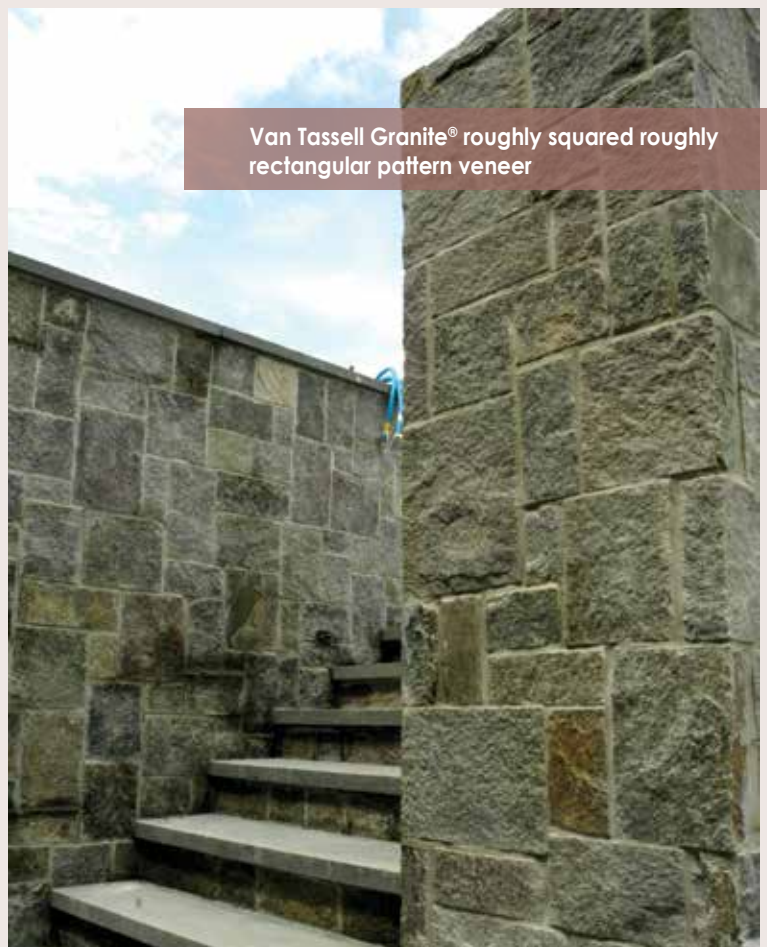
Van Tassell Granite® irregular flagging

Van Tassell Granite® mosaic pattern veneer





Van Tassell Granite® blend of roughly squared roughly rectangular, ledge stone, wall stone



Van Tassell Granite® roughly squared roughly rectangular pattern veneer



Van Tassell Granite® roughly squared roughly rectangular pattern veneer

Van Tassell Granite® mosaic pattern veneer



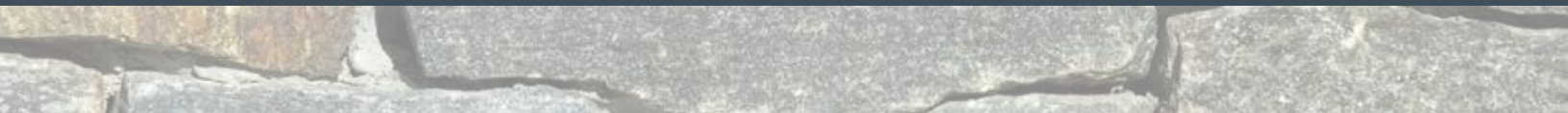


Summit[®] granite

A rustic, textural granite featuring a warm iridescence resulting from mica and garnet inclusions. Brought to the surface, this granite projects the very essence of the earth with a base color of gray and feature highlights of sage green, white and russet orange.

ASTM DATA: Average results for ASTM tests C-97 and C-170

Water Absorption %	C-97			C-170	
	Density (lbs./cu. ft.)	Specific Gravity		Compressive Strength Perpendicular	Compressive Strength Parallel
0.076	180.8	2.89		24,660 psi	34,840 psi



Description	Size	Facing Area	Coverage (average)	Packaged Weight	
Mosaic Pattern-Random Material	Thickness 3"± to 5"±	1/4 sq. ft. to 3 sq. ft.	30-35 sq. ft. per ton	2,600-3,100 lbs.±	📦
Roughly Squared/Roughly Rectangular	Thickness 3"± to 5"±	1/4 sq. ft. to 3 sq. ft.	30-35 sq. ft. per ton	3,700-4,200 lbs.±	
Ashlar	Thickness 3"± to 5"± Height 4"± to 12"±	1/4 sq. ft. to 2 sq. ft.	30-35 sq. ft. per ton	3,700-4,000 lbs.±	
Thin Wall Stone	Thickness 1"± to 3"±	1/4 sq. ft. to 1 sq. ft. ±	see information below	3,500 lbs.±	
Uniform Rise Wall Stone	Thickness 3"± to 5"±	up to 3/4 sq. ft. ±	see information below	2,600-3,400 lbs.±	📦
Landscape Boulders	Clusters of 50 lbs. to 300 lbs., or 500 lbs. +			1 1/2 to 2 plus tons	📦



Summit[®] granite

Wall Stone Coverage Calculation

Natural building and landscaping stone is typically sold by the ton.

To calculate the amount of stone needed for constructing a stone wall, use this calculation guideline.

Determine the dimensions of the wall in inches and multiply **length x width x height = cubic inches** of wall;

then **divide total by 1728** (cu. in./cu. ft.) = **cubic feet** of wall.

Multiply cubic feet by 140 lbs. (average packaged weight* of Champlain Stone per cubic foot)

= **pounds of stone; divide pounds of stone by 2,000** to give you the estimated tons of stone needed.

Important Note: This calculation is provided as a guideline only. Actual coverage will vary based on installation style and job conditions.

* An average weight of 140 lbs. allows for airspace in packaging and varying joint widths, which will reduce the overall density of the cubic weight of the wall. Actual cubic weights for our stone products are noted at the bottom of each specification sheet.

📦 - product ships in 4-sided crate (all others ship via low pallets)

One trailer load = 12-15 low pallets

180.8 pounds per cubic foot

2.44 tons per cubic yard



Mosaic Pattern-Random Material

2,600 - 3,100 lbs. ±



Roughly Squared/Rectangular

3,700 - 4,200 lbs. ±



Ashlar

2,600 - 3,100 lbs. ±



Thin Wall Stone

3,500 lbs. ±



Uniform Rise Wall Stone

2,600 - 3,400 lbs. ±



Landscape Boulders

1.5 to 2+ tons





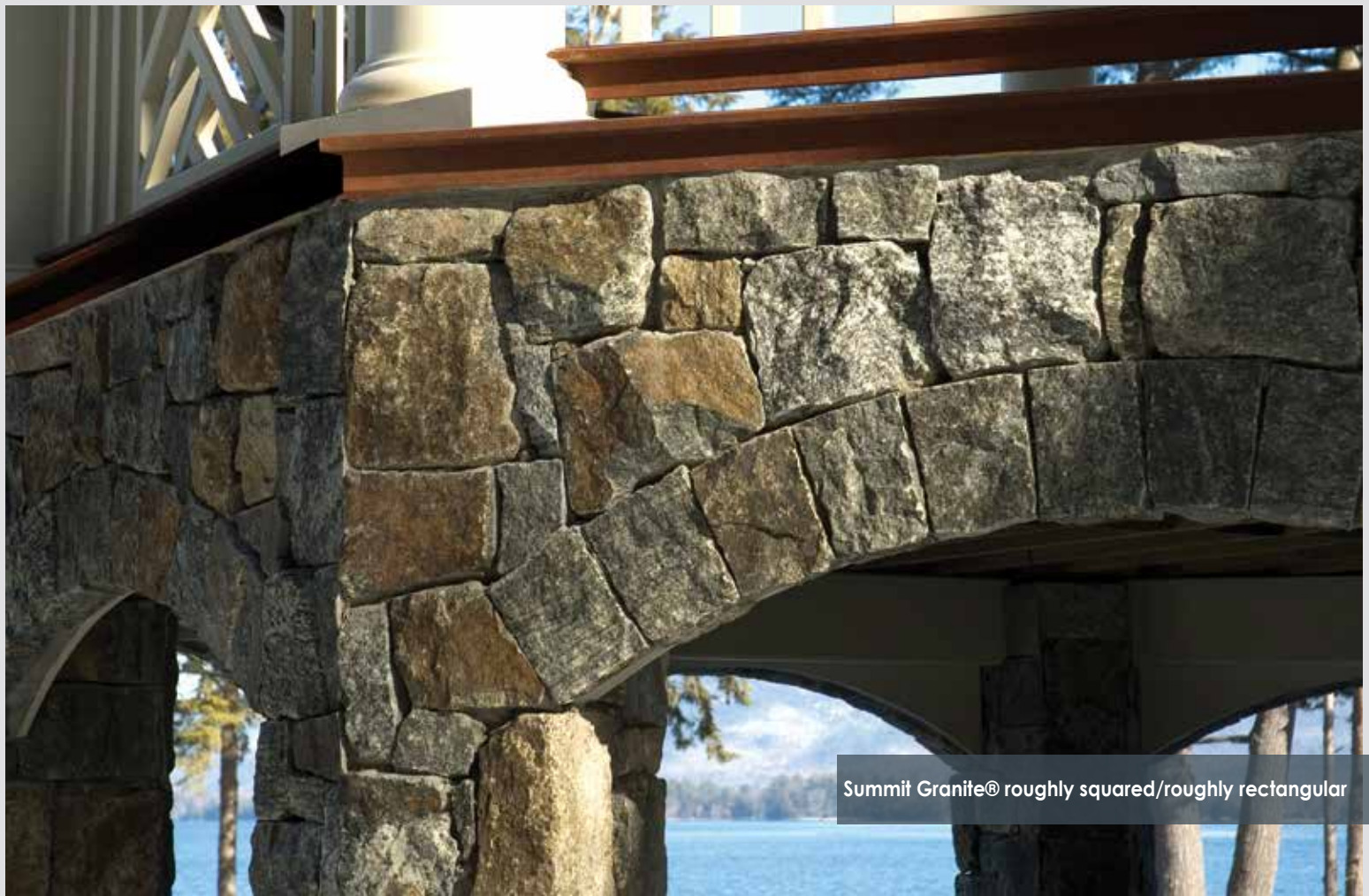
Summit Granite® blend of ashlar and roughly squared/roughly rectangular, special order hearth and mantel



Summit Granite® roughly squared/roughly rectangular



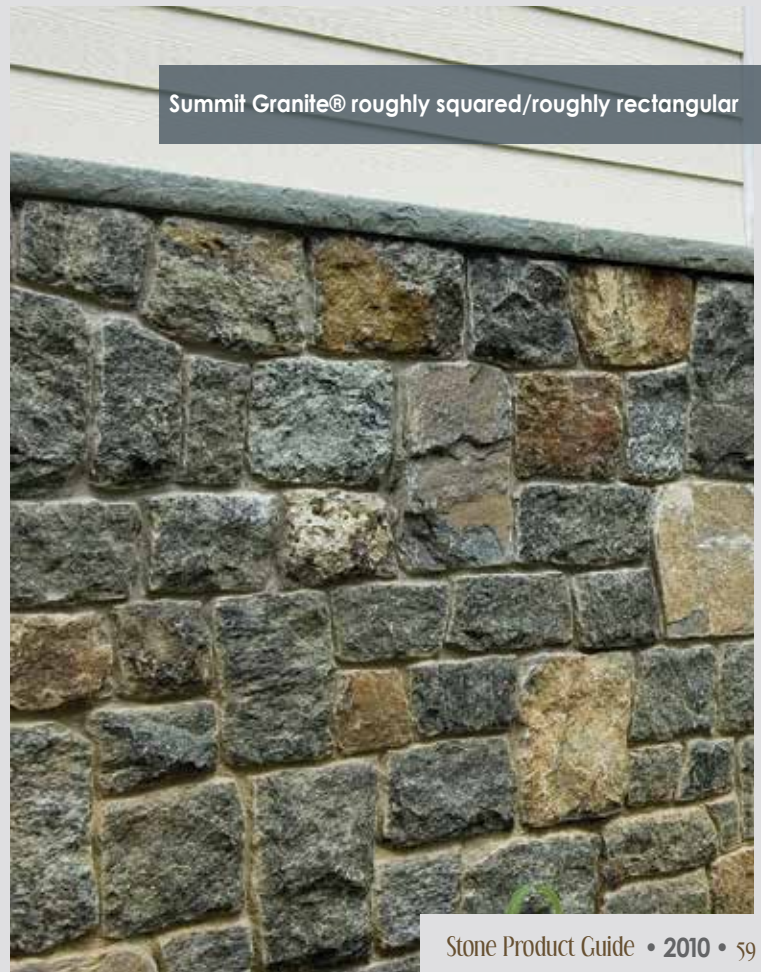
Summit Granite® roughly squared/roughly rectangular



Summit Granite® roughly squared/roughly rectangular



Summit Granite® roughly squared/roughly rectangular



Summit Granite® roughly squared/roughly rectangular

Summit Granite® roughly squared/roughly rectangular



Summit Granite® roughly squared/roughly rectangular



Summit Granite® roughly squared/roughly rectangular





South Bay[®] quartzite

A quarzitic sandstone with an advancing and receding surface that resembles a windswept and sandy beach. Visually smooth, yet heavily textured with a blend of tan, antique white, ice blue, amber, and brown. South Bay Quartzite[®] will enhance any home - from cool beach cottages to cozy cabins deep in the woods.

ASTM DATA: Average results for ASTM tests C-97, C-99 and C-170

C-97			C-99		C-170	
Water Absorption %	Density (lbs./cu. ft.)	Specific Gravity	Modulus of Rupture Perpendicular	Modulus of Rupture Parallel	Compressive Strength Perpendicular	Compressive Strength Parallel
0.33	152.7	2.66	1,058 psi	855 psi	14,350 psi	13,340 psi

Description	Size	Facing Area	Coverage (average)	Packaged Weight
Mosaic Pattern-Random Material	Thickness 2 1/2"± to 4 1/2"±	1/4 sq. ft. to 3 sq. ft.	40 sq. ft. per ton	3,200-3,700 lbs.±
Roughly Squared/ Roughly Rectangular	Thickness 3"± to 5"±	1/4 sq. ft. to 3 sq. ft.	35-40 sq. ft. per ton	3,900-4,400 lbs.±
Ashlar	Thickness 3"± to 5"± Height 4"± to 12"±	1/4 sq. ft. to 2 sq. ft.	35-40 sq. ft. per ton	3,500-4,000 lbs.±
European Ashlar	Thickness 3"± to 6"±; Height 3"± to 8"±; Length 4"± to 12"±		30-35 sq. ft. per ton	2,700-3,300 lbs.±
Ledge Stone	Thickness 1"± to 5"±, Height 3"± to 5"± Length 4"± to 12"± (greater percentage 4"-7" range)		35 sq. ft. per ton	3,000 lbs.±
Thin Ledge Stone	Thickness 2"± to 6"± Height 1"± to 3"±	up to 1/4 sq. ft.	35 sq. ft. per ton	1,500 lbs.±
Northface Ledge Stone™	Thickness 2"± to 5"±; Height 2"± to 6"± (most 3"-4"); Length 4"± to 18"± (greater percentage 8"-14" range)		35-40 sq. ft. per ton	2,400-2,900 lbs.±
Hand Select Thin Veneer	Thickness 5/8"± to 1 1/4"±	1/4 sq. ft. to 3 sq. ft. plus	160 sq. ft. per ton	1,500 lbs. or 2,500 lbs. ±
Irregular Flagging Stone: Irregular shape and thickness	Thickness 1"± to 3"±	3/4 sq. ft. to 4 sq. ft. plus	85 sq. ft. per ton	3,300-4,400 lbs.±* 3,000-3,300 lbs.±
Heavy Flagging Stone:	Thickness 3"± to 5"±	1 sq. ft. plus	35-40 sq. ft. per ton	3,000-3,300 lbs.±
Oversize Flagging Stone:	Thickness 1"± to 5"±	4 sq. ft. plus	35-40 sq. ft. per ton	3,500 lbs.±
Paving Stone	Thickness 3"± to 5"±	1/4 sq. ft. to 3 sq. ft.	35-40 sq. ft. per ton	3,200-4,400 lbs.±
Snapped Nominal Pavers	Thickness 3"± to 5"±	12"x12" (1" ± tolerance) 12"x24" (1" ± tolerance)	35-40 sq. ft. per ton 35-40 sq. ft. per ton	2,800-3,300 lbs.± 2,400-2,800 lbs.±
Wall Stone: Natural face and broken-edge quarry rubble.	Thickness 3"± to 12"±	1/4 sq. ft. to 3 sq. ft. plus	see information below	3,400-3,700 lbs.±
Uniform Rise Wall Stone	Thickness 3"± to 5"±	1/4 sq. ft. to 3/4 sq. ft. ±	see information below	2,600-3,300 lbs.±
Thin Wall Stone	Thickness 1"± to 3"±	1/4 sq. ft. to 1 sq. ft. ±	see information below	3,000-3,300 lbs.±
Cottage Wall Stone	Thickness 3"± to 7"±	1/4 sq. ft. to 2 sq. ft. plus	see information below	2,500-3,000 lbs.±
Step Slab Material	Thickness 4"± to 10"±	Random lengths and widths available		3,000-4,000 lbs.±
Cap Stones (special order)	Thickness 5"± to 8"±	14"+ deep x 24"+ in length		Pallet weights vary
Landscape Boulders	Clusters of 50 lbs. to 300 lbs., or 500 lbs. +			1½ to 2 + tons
Garden Bed Edging	Thickness 3"± to 6"±; Height 3"± to 8"±; Length 4"± to 12"±			2,700-3,300 lbs.±

Wall Stone Coverage Calculation

 - product ships in 4-sided crate (all others ship via low pallets)

Natural building and landscaping stone is typically sold by the ton.

One trailer load = 12-15 low pallets

To calculate the amount of stone needed for constructing a stone wall, use this calculation guideline.

Determine the dimensions of the wall in inches and multiply **length x width x height = cubic inches** of wall; then **divide total by 1728** (cu. in./cu. ft.) = **cubic feet** of wall.

Multiply cubic feet by 140 lbs. (average packaged weight* of Champlain Stone per cubic foot)

= **pounds of stone; divide pounds of stone by 2,000** to give you the estimated tons of stone needed.

152.7 pounds per cubic foot

2.06 tons per cubic yard

Important Note: This calculation is provided as a guideline only. Actual coverage will vary based on installation style and job conditions.

* An average weight of 140 lbs. allows for airspace in packaging and varying joint widths, which will reduce the overall density of the cubic weight of the wall. Actual cubic weights for our stone products are noted at the bottom of each specification sheet.

South Bay quartzite®

packaging • one trailer load = 12 to 15 low pallets



Mosaic Pattern-Random Material

3,600 - 4,200 lbs. ±



Roughly Squared/Rectangular

3,700 - 4,200 lbs. ±



Ashlar

3,600 - 4,200 lbs. ±



European Ashlar

2,800 - 3,500 lbs. ±



Ledge Stone

1,700 lbs. ±



Thin Ledge Stone

3,400 - 3,900 lbs. ±



Irregular Flagging

3,600 - 4,200 lbs. ±



Irregular Flagging (low vertical)

2,700 - 3,400 lbs. ±



Heavy Flagging

3,300 - 3,850 lbs. ±



Oversize Flagging

3,000 - 3,400 lbs. ±



Wall Stone

1.5 to 2+ tons



Uniform Rise Wall Stone

1.5 to 2+ tons



Thin Wall Stone

3,300 - 3,850 lbs. ±



Cottage Wall Stone

3,000 - 3,400 lbs. ±



Step Slab Material

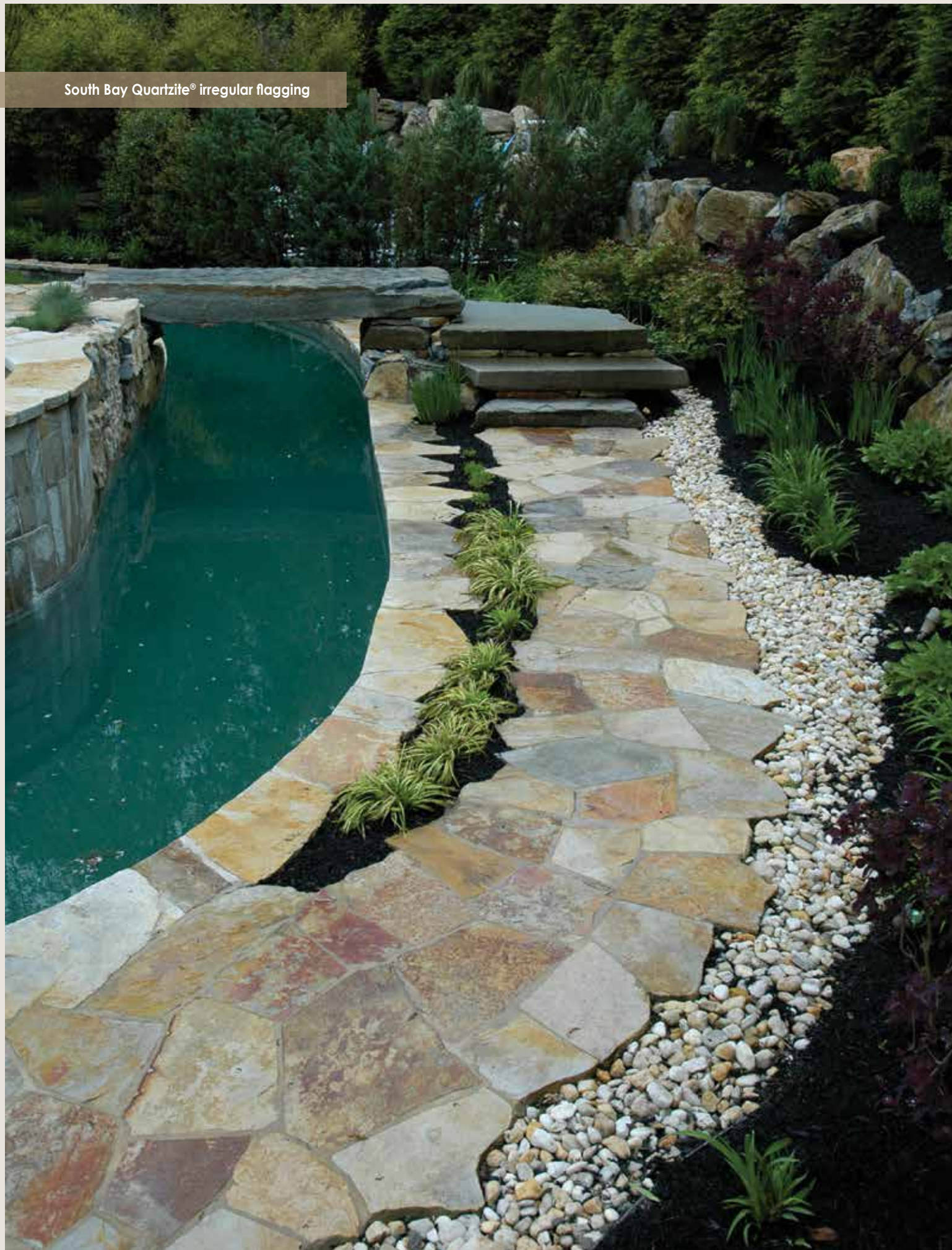
1.5 to 2+ tons



Landscape Boulders

1.5 to 2+ tons

South Bay Quartzite® irregular flagging





South Bay Quartzite® irregular flagging

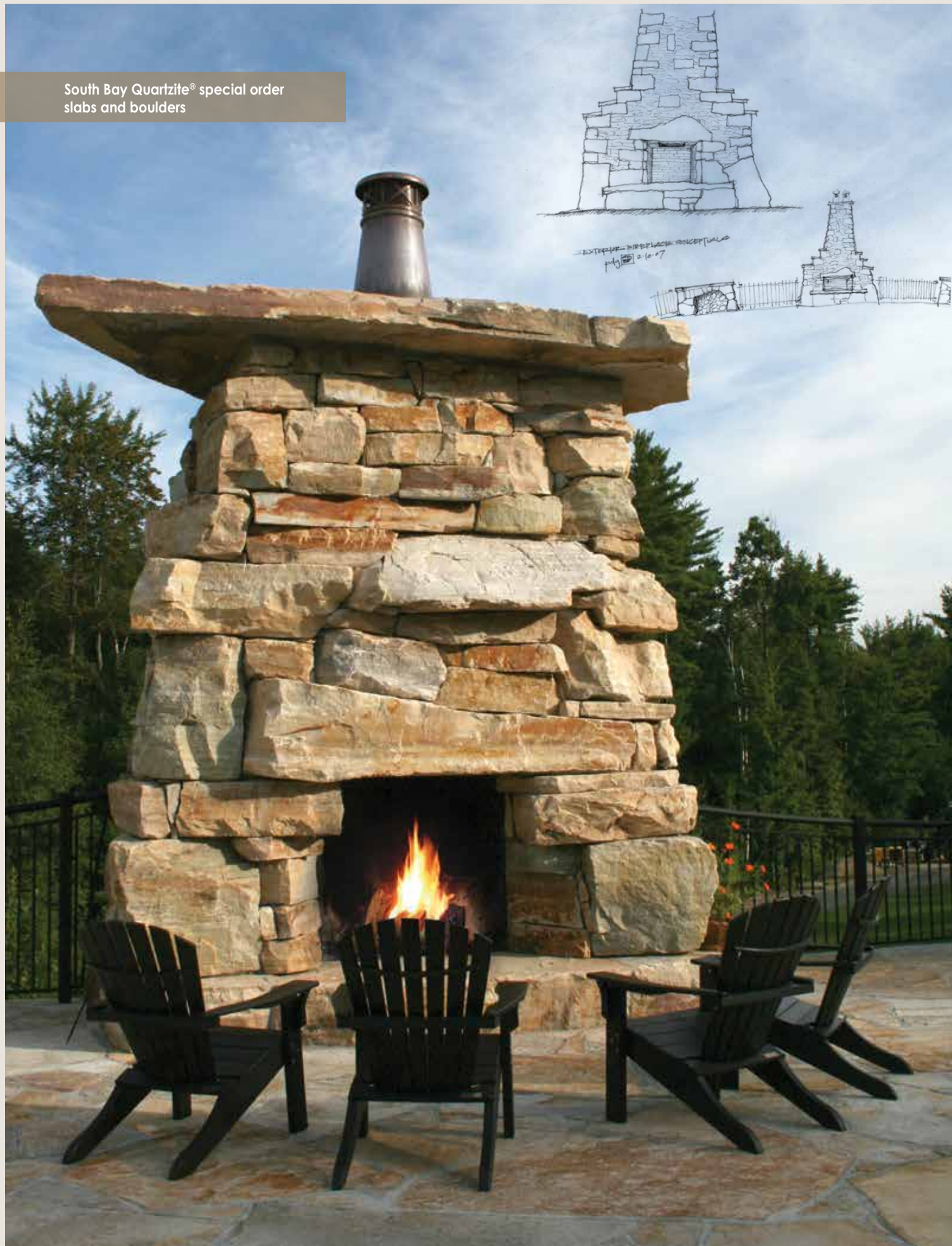


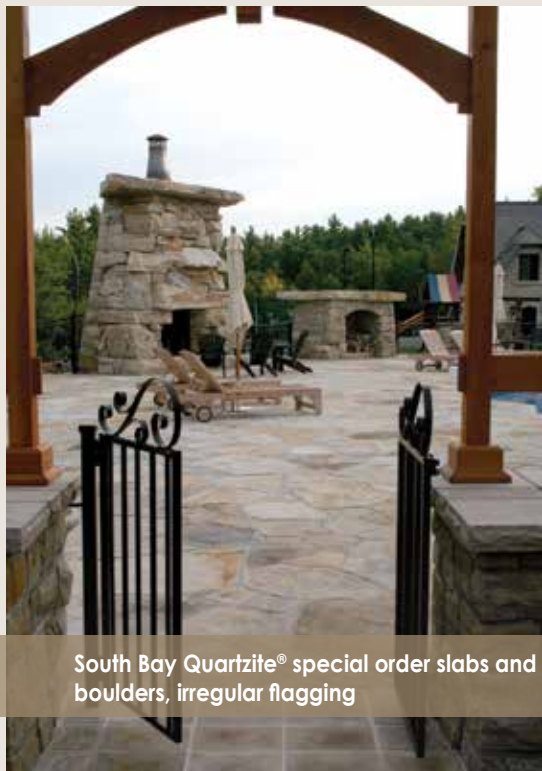
South Bay Quartzite® mosaic pattern veneer



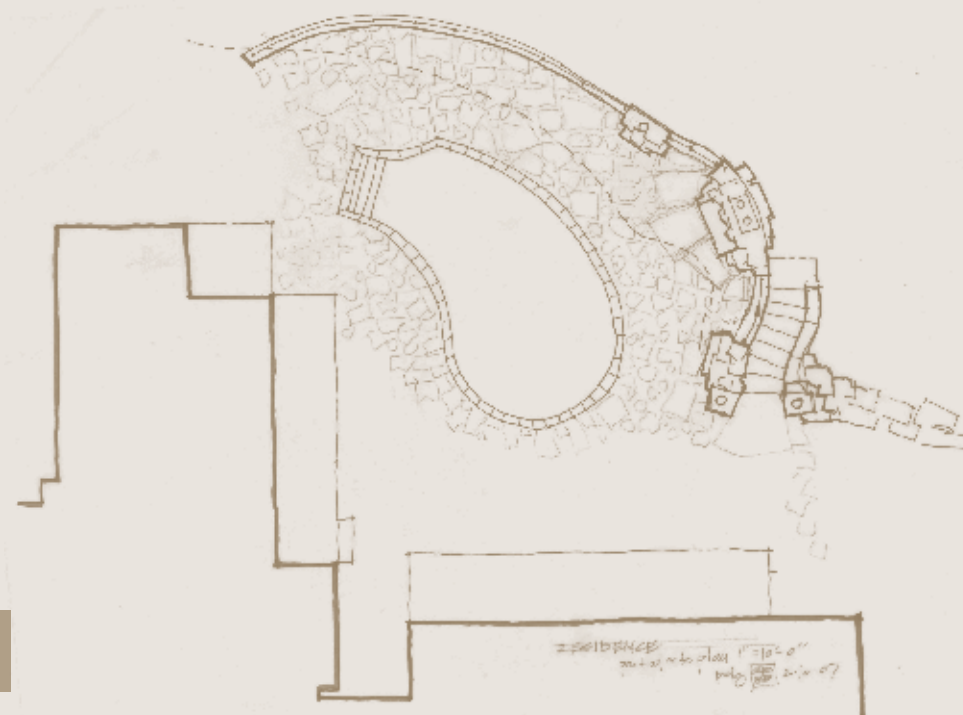
South Bay Quartzite® irregular flagging

South Bay Quartzite® special order
slabs and boulders





South Bay Quartzite® special order slabs and boulders, irregular flagging



South Bay Quartzite® special order slabs and boulders, irregular flagging

South Bay Quartzite® mosaic pattern veneer



South Bay Quartzite® wall stone, step slabs



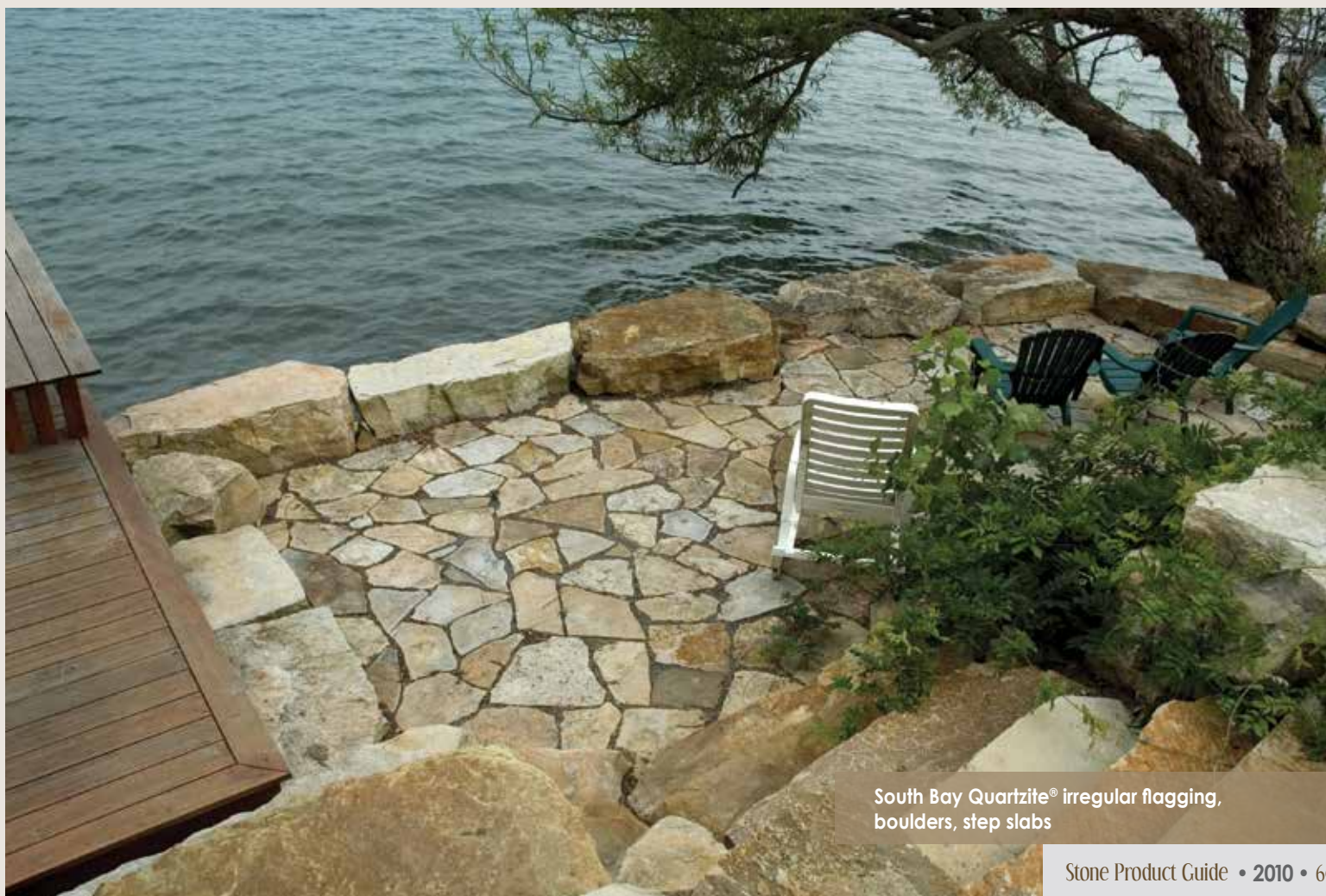
South Bay Quartzite® roughly squared roughly rectangular rectangular veneer



South Bay Quartzite® roughly squared roughly rectangular rectangular veneer

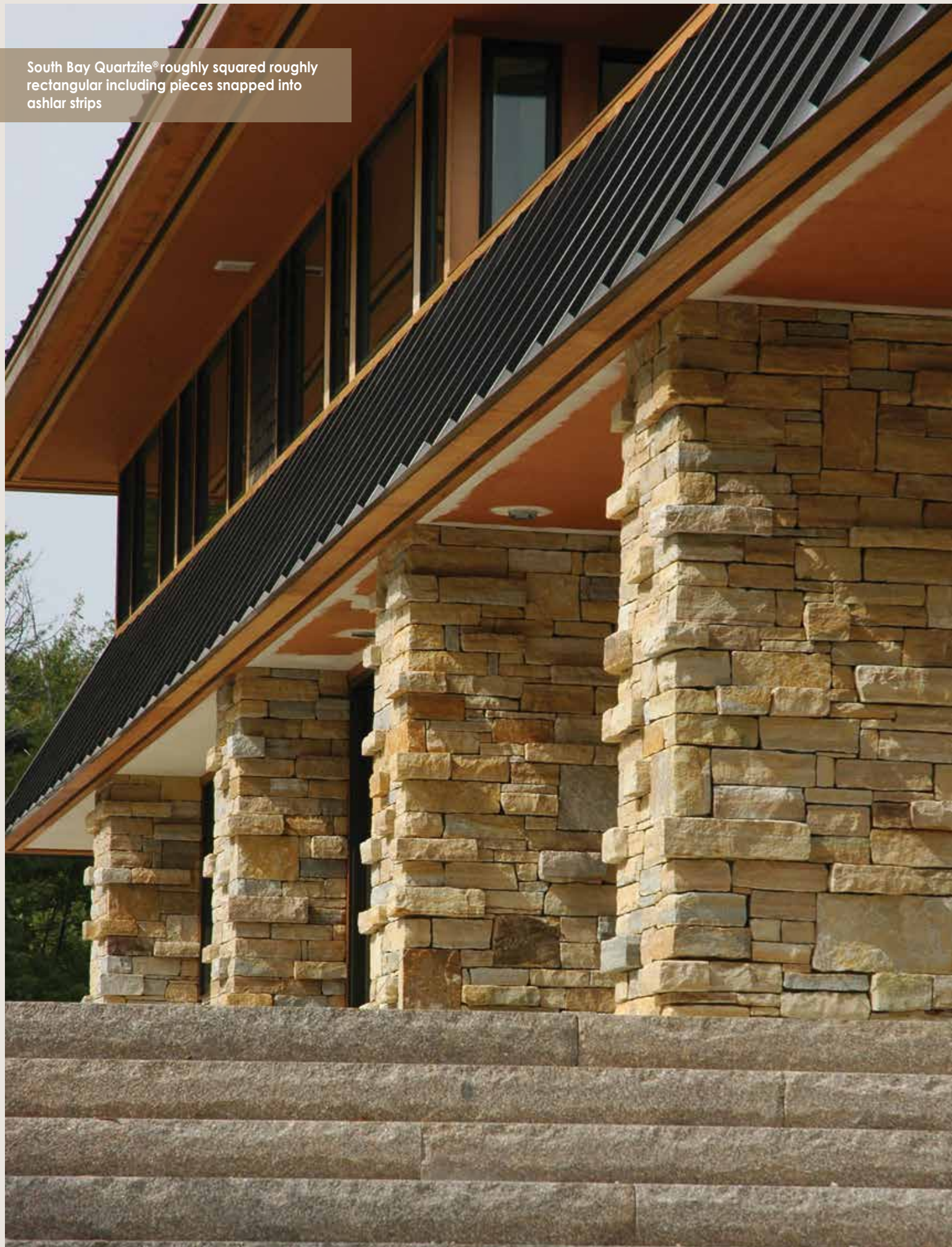


South Bay Quartzite® mosaic pattern veneer

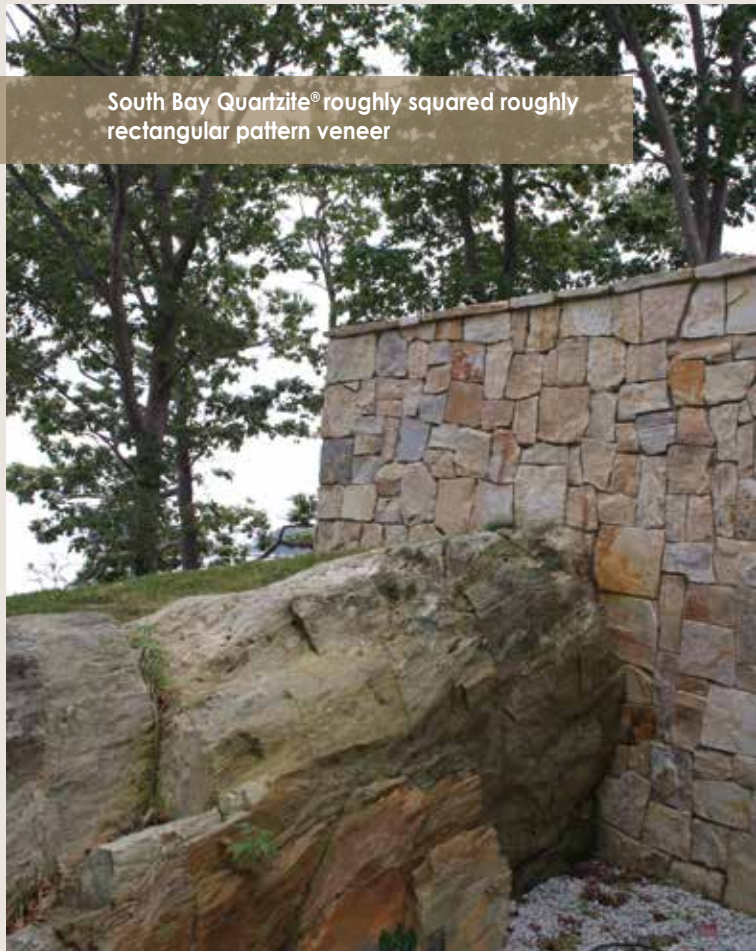


South Bay Quartzite® irregular flagging, boulders, step slabs

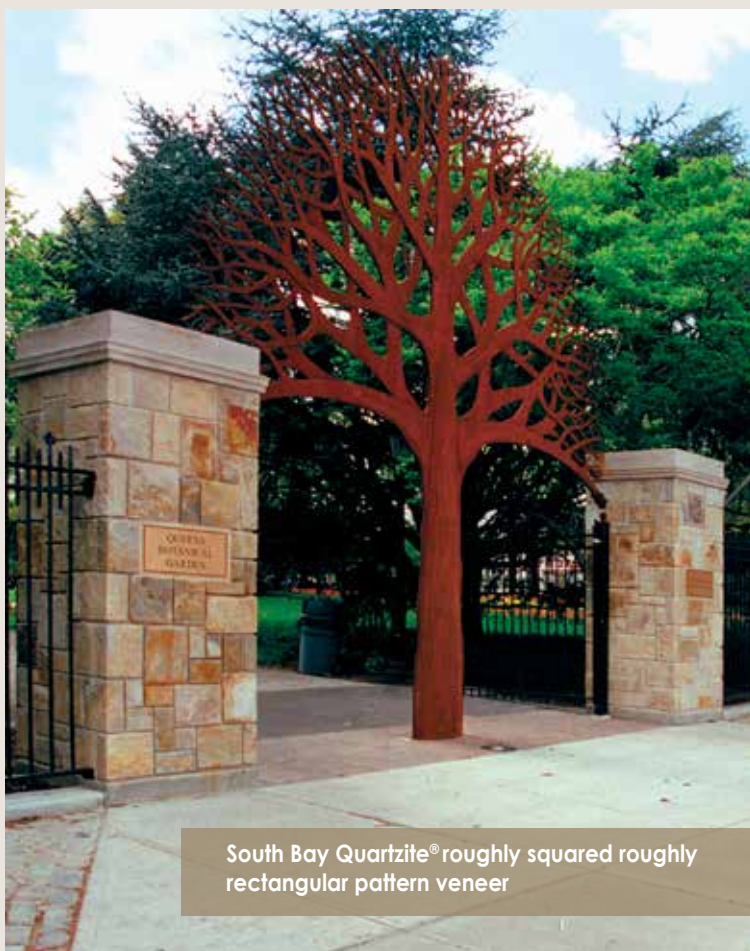
South Bay Quartzite® roughly squared roughly rectangular including pieces snapped into ashlar strips



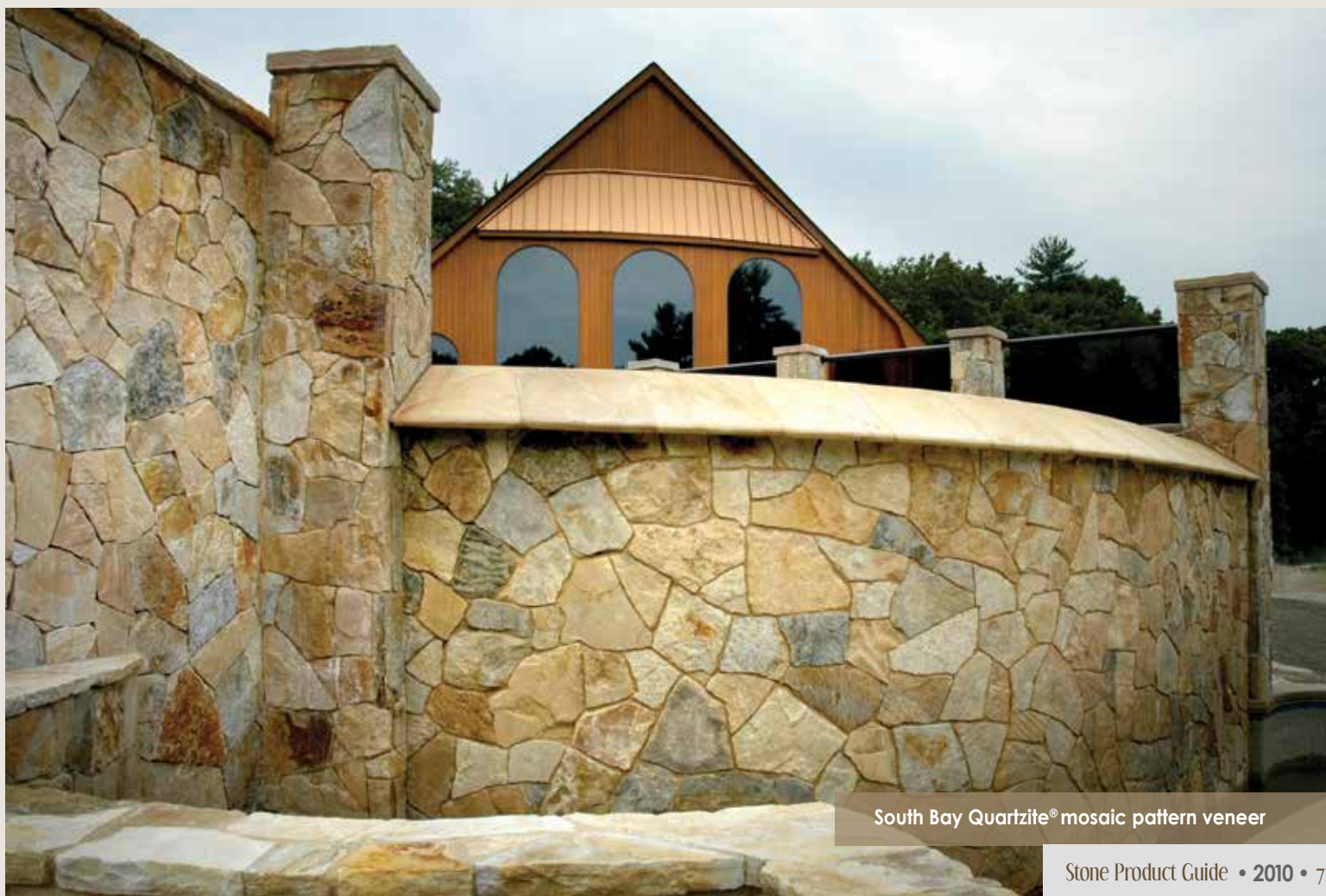
South Bay Quartzite® roughly squared roughly rectangular pattern veneer



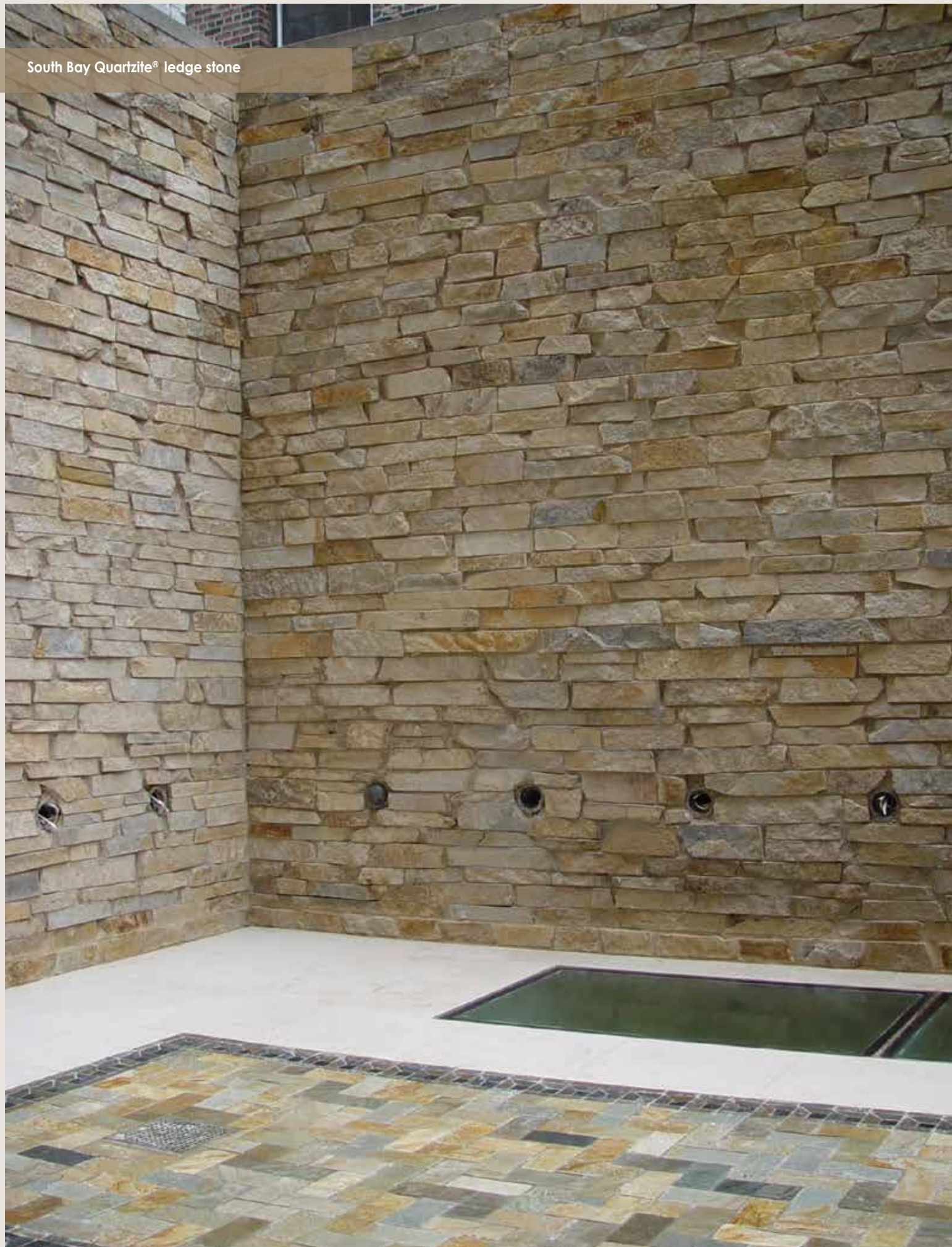
South Bay Quartzite® roughly squared roughly rectangular pattern veneer



South Bay Quartzite® mosaic pattern veneer




South Bay Quartzite® ledge stone





South Bay Quartzite® roughly squared roughly rectangular veneer piers, wall stone

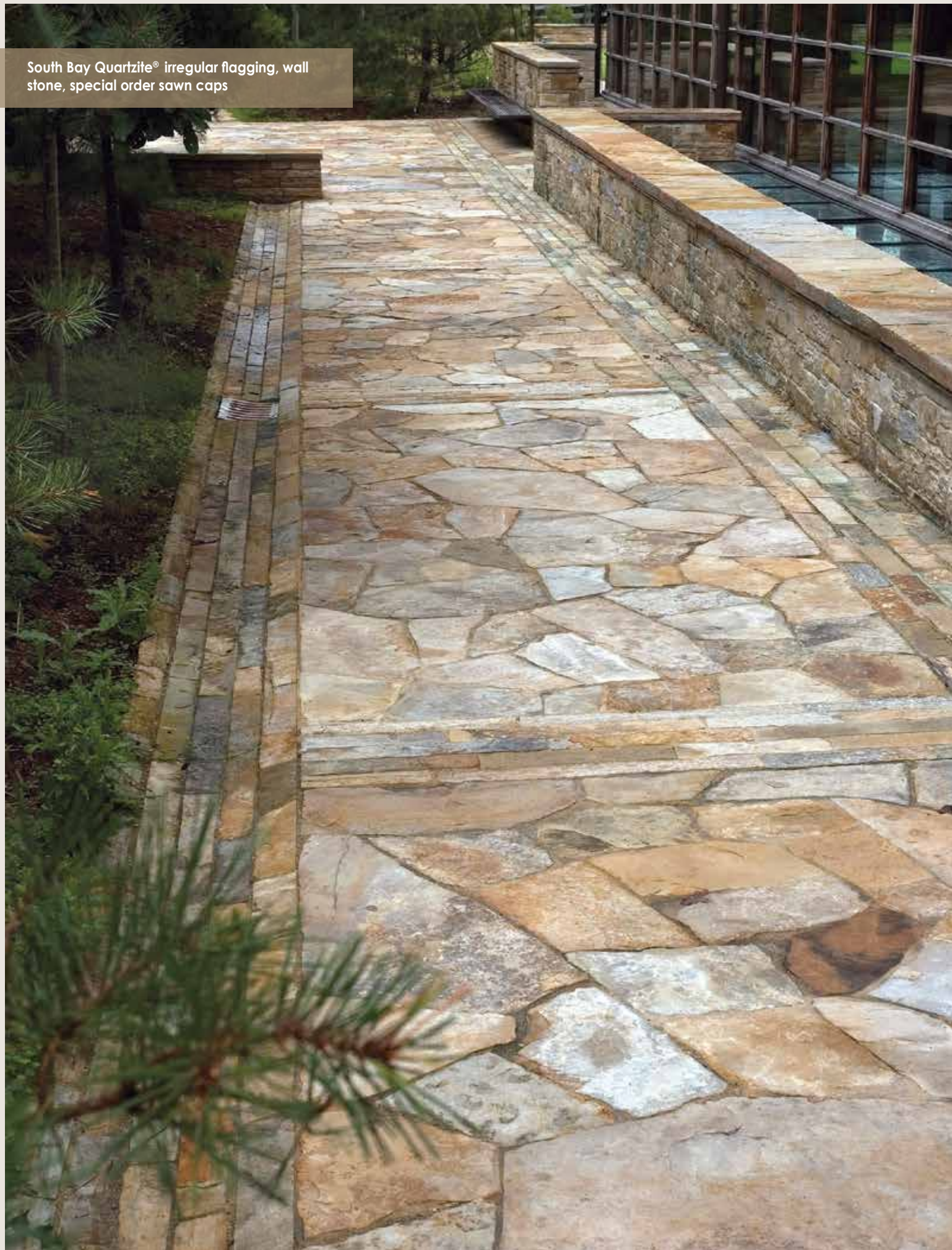


South Bay Quartzite® irregular flagging, boulders, wall stone



South Bay Quartzite® mosaic pattern veneer

South Bay Quartzite® irregular flagging, wall
stone, special order sawn caps



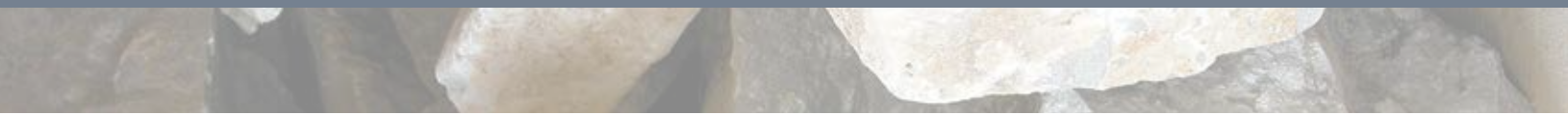


Great Meadow[®] limestone

A craggy-rugged limestone that projects a strong and robust look. Ideal for that “aged” look common in many restorative efforts or fresh split for a new build. Natural weathered faces in combination with blue-gray split faces. Black speckles and white crystals also highlight some pieces.

ASTM DATA: Average results for ASTM tests C-97, C-99 and C-170

Water Absorption %	C-97	Specific Gravity	C-99		C-170	
	Density (lbs./cu. ft.)		Modulus of Rupture Perpendicular	Modulus of Rupture Parallel	Compressive Strength Perpendicular	Compressive Strength Parallel
0.33	170.6	2.73	1600 psi	2,190 psi	10,636 psi	12,358 psi



Description	Size	Facing Area	Coverage (average)	Packaged Weight	
Mosaic Pattern-Random Material	Thickness 3"± to 5"±	1/4 sq. ft. to 2 sq. ft.	35-40 sq. ft. per ton	2,800-3,300 lbs.±	
Roughly Squared/Roughly Rectangular	Thickness 3"± to 5"±	1/4 sq. ft. to 2 sq. ft.	35-40 sq. ft. per ton	3,700-4,100 lbs.±	
Ashlar	Thickness 4"± to 6"± Height 4"± to 12"±	1/4 sq. ft. to 1 sq. ft.	35 sq. ft. per ton	3,700-4,100 lbs.±	
Wall Stone:					
Natural face and broken-edge quarry rubble.	Thickness 2"± to 18"±	1/4 sq. ft. to 3 sq. ft.	see information below	3,500-4,000 lbs.±	
Uniform Rise Wall Stone	Thickness 3"± to 5"±	up to 3/4 sq. ft. ±	see information below	2,600-3,300 lbs.±	📦
Landscape Boulders	Clusters of 50 lbs. to 300 lbs., or 500 lbs. +			1 1/2 to 2 plus tons	📦



Great Meadow[®] limestone

Wall Stone Coverage Calculation

Natural building and landscaping stone is typically sold by the ton.
To calculate the amount of stone needed for constructing a stone wall, use this calculation guideline.

Determine the dimensions of the wall in inches and multiply **length x width x height = cubic inches** of wall;
then **divide total by 1728** (cu. in./cu. ft.) = **cubic feet** of wall.

Multiply cubic feet by 140 lbs. (average packaged weight* of Champlain Stone per cubic foot)

= **pounds of stone; divide pounds of stone by 2,000** to give you the estimated tons of stone needed.

Important Note: This calculation is provided as a guideline only. Actual coverage will vary based on installation style and job conditions.

* An average weight of 140 lbs. allows for airspace in packaging and varying joint widths, which will reduce the overall density of the cubic weight of the wall. Actual cubic weights for our stone products are noted at the bottom of each specification sheet.

📦 - product ships in 4-sided crate (all others ship via low pallets)

One trailer load = 12-15 low pallets

170.6 pounds per cubic foot
2.31 tons per cubic yard



Great Meadow Limestone® mosaic veneer



Great Meadow Limestone® roughly squared/roughly rectangular



Great Meadow Limestone® mosaic veneer



Great Meadow Limestone® special order
sawn squares, corners, and caps



Great Meadow Limestone® roughly
squared/roughly rectangular



Great Meadow Limestone® ashlar, special order color



Adirondack^{mountain} fieldstoneTM

A rugged, natural-weather top rock which is reminiscent of stones used to build the great Adirondack Mountain camps and surrounding walls. Available in a wide range of textures and colors, including earth tones such as weathered gray, brown, and aged buff, these are spherical stones that work in harmony with nature.









Thin Veneer

Our hand Select and Sawn Thin Veneer stones offer the homeowner, builder and remodeler new flexibility in the application of natural stone to both interior and exterior surfaces. Thin veneers lay up quickly and easily on on a wide variety of surfaces. A broad range of cuts and colors are available, including ashlar, mosaic pattern, and roughly squared/roughly rectangular, each with an inherent beauty and longevity that only Mother Nature could provide.

Natural Thin Veneer Stone

Sawn Flats	Thickness	Face Size Range	Coverage (per unit)	Average Packaged Weight
Sawn Mosaic Pattern Veneer:				
American Granite™, Corinthian Granite®, Van Tassell Granite®	3/4"± to 1 1/4"±	1/4 sq. ft. ± to 1 1/2 sq. ft. ±	160 sq. ft. 80 sq. ft.	Dealer Crate 2,200 - 2,700 lbs. Consumer Crate 800 - 1,200 lbs.
South Bay Quartzite®	3/4"± to 1 1/4"±	1/4 sq. ft. ± to 1 1/2 sq. ft. ±	160 sq. ft. 80 sq. ft.	Dealer Crate 2,000 - 2,400 lbs. Consumer Crate 800 - 1,100 lbs.
Sawn Ashlar Veneer:				
American Granite™, Corinthian Granite®, Van Tassell Granite®	3/4"± to 1 1/4"±		160 sq. ft. 80 sq. ft.	Dealer Crate 2,200 - 2,700 lbs. Consumer Crate 800 - 1,200 lbs.
South Bay Quartzite®	3/4"± to 1 1/4"±		160 sq. ft. 80 sq. ft.	Dealer Crate 2,000 - 2,400 lbs. Consumer Crate 800 - 1,100 lbs.
Sawn Roughly Squared/Roughly Rectangular Veneer:				
American Granite™, Corinthian Granite®, Van Tassell Granite®	3/4"± to 1 1/4"±	1/4 sq. ft. ± to 1 1/2 sq. ft. ±	160 sq. ft. 80 sq. ft.	Dealer Crate 2,200 - 2,700 lbs. Consumer Crate 800 - 1,200 lbs.
South Bay Quartzite®	3/4"± to 1 1/4"±	1/4 sq. ft. ± to 1 1/2 sq. ft. ±	160 sq. ft. 80 sq. ft.	Dealer Crate 2,000 - 2,400 lbs. Consumer Crate 800 - 1,100 lbs.
Sawn corners	Thickness	Average Facing Area	Coverage (per unit)	Average Packaged Weight
Sawn Mosaic Pattern Corners:				
American Granite™, Corinthian Granite®, Van Tassell Granite®, South Bay Quartzite®	3/4"± to 1 1/4"±	1/3 sq. ft. ± to 3/4 sq. ft. ±	140 lineal feet 70 lineal feet	Dealer Crate 1,500 - 2,000 lbs. Consumer Crate 700 - 1,300 lbs.
Sawn Ashlar Corners:				
American Granite™, Corinthian Granite®, Van Tassell Granite®, South Bay Quartzite®	3/4"± to 1 1/4"±	1/3 sq. ft. ± to 3/4 sq. ft. ±	140 lineal feet 70 lineal feet	Dealer Crate 1,400 - 2,000 lbs. Consumer Crate 800 - 1,300 lbs.
Sawn Roughly Squared/Roughly Rectangular Corners:				
American Granite™, Corinthian Granite®, Van Tassell Granite®, South Bay Quartzite®	3/4"± to 1 1/4"±	1/3 sq. ft. ± to 3/4 sq. ft. ±	140 lineal feet 70 lineal feet	Dealer Crate 1,700 - 2,200 lbs. Consumer Crate 700 - 1,300 lbs.
Hand Select Thin Veneer*	Thickness	Face Size Range	Coverage (average)	Average Packaged Weight
South Bay Quartzite®	5/8"± to 1 1/4"±	1/4 sq. ft. ± to 3 sq. ft. ±	160 sq. ft. per ton	Dealer Crate 2,500 ± lbs. Consumer Crate 1,500 ± lbs.

Hand Select Veneer is a split product (versus sawn) and therefore features two natural faces. It is available in South Bay Quartzite® mosaic pattern only. Packaging differs from the sawn product in that it is stacked vertically in the 4-sided crates instead of flat.

Square foot quantities reflect raw material coverage only, exclusive of any manipulation of the stone itself.
Final results will vary depending on joint width and installation style.

Thin veneer

There are two packaging options for sawn flats and corners depending upon your needs or the needs of your customers: **Dealer Crates:** (44" x 44" x 32") or **Consumer Crates** (44" x 44" x 22 "). Both options are four-sided crates. Sawn thin veneer is stacked in layers horizontally while Hand Select thin veneer is stacked vertically. Corners are "nested" within the crate.



Natural Thin Sawn Veneer, Dealer Crate

2,000 - 2,700 lbs. ±



Natural Thin Sawn Corners, Consumer Crate

700 - 1,300 lbs. ±



Natural Thin Sawn Veneer, Consumer Crate

800 - 1,200 lbs. ±



South Bay Hand Select

2,500 lbs. ±



Crate Dimensions	(width x length x depth)
Dealer Crate	44" x 44" x 32"
Consumer Crate	44" x 44" x 22"
Mini Crate.	20" x 17.5" x 18.25"



Van Tassell Granite® mosaic pattern veneer



American Granite™ roughly squared/roughly rectangular



American Granite™ mosaic pattern veneer



Corinthian Granite® thin sawn veneer, ashlar



Corinthian Granite® mosaic pattern veneer



American Granite® mosaic pattern veneer



Van Tassell Granite® mosaic pattern veneer



American Granite™ thin sawn veneer



American Granite™ mosaic pattern veneer

Thin Veneer Installation

Natural Thin Veneer Stone

Champlain Stone's Thin Veneer Products may be installed over most any masonry surface or interior/exterior framed wall. All surfaces should be clean and dry and void of debris or loose material. All building materials, material sizes/gauges, and application techniques should be in compliance with both local building codes and manufacturer requirements. Installation in temperatures below 40°F is not recommended



Champlain Stone recommends the use of type S mortar coupled with an acrylic bonding agent mixed per the manufacturer's instructions.

Installation of a weep system such as Masonry Technology's Sure-Cavity™ can create an effective percolation system for exterior moisture or interior condensation where needed and/or desired.

Framed Walls (sheetrock, greenboard, or wood sheathing), figure 1:

Install a vapor barrier (two-ply 15# felt or better) taking care to provide sufficient overlap both on the sides and top/bottom. Install galvanized diamond mesh expanded metal lath (2.5 lb. or higher recommended) with galvanized fasteners (or equivalent) 16" on center minimum, and every 6" vertically. Fasteners should penetrate underlying studs at least 1". Corner applications should overlap the lath installed on the wall flats by at least 4". Apply a 1/2" scratch coat and allow to cure thoroughly (24 hours).

Framed Walls (concrete board), figure 2:

Unless mandated by local codes, no specific surface preparation is required. If necessary, however, follow the instructions for sheetrock, greenboard and wood sheathing above EXCEPT for the vapor barrier, which should not be installed.

New Masonry (block or poured wall), figure 3A:

No specific surface preparation is required. For poured walls, be certain that all surfaces are void of any residual form release agents.

Existing Masonry (painted or sealed concrete, block or brick), figure 3B:

Sandblast the entire surface to remove paint and/or sealer, rinse, and allow to dry completely OR install galvanized diamond mesh expanded metal lath (3.4 lb. recommended) with concrete screws or nails and apply a 1/2" scratch coat. Scratch coat should be allowed to cure thoroughly (24 hours).

Insulated Concrete Forms figure 4:

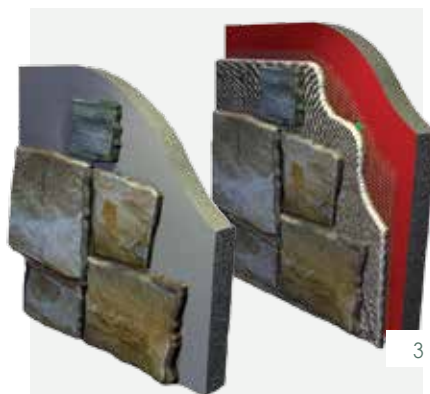
Apply a vapor barrier followed by a weep system and expanded metal lath taking care to use fasteners of sufficient length to adequately penetrate the poured wall. Apply a 1/2" scratch coat and allow to cure thoroughly (24 hours).



1



2



3



cavity weep system installed directly over the vapor barrier

4



5

Wash or brush any dirt or loose material from the back of each stone and allow to dry thoroughly. Install the corners first, beginning at the bottom of the structure. Most corners are irregular in length and look best when the "long" and "short" sides are alternated as you go up (figure 5).

Trimming: Perhaps the most efficient method for trimming thin veneer is through the use of a 4" angle grinder equipped with a diamond blade* (figure 6). Cuts made at an angle from the back (sawn) side at 1/2 depth will allow the stone to be "snapped" with a small hammer along the cut line leaving a natural edge on the front side.

Setting: Using a mason's trowel, "butter" the back of the stone completely with an even layer of mortar approximately 1/2" thick with a small amount of additional mortar placed in the center (figure 7). Press the stone against the prepared surface and wiggle/rotate slightly to create a firm bond between the two surfaces. A small amount of mortar should "squeeze out" on all sides of the stone filling the joints as you set additional pieces (figure 8). Take care to keep the joints between the stones consistent and to stagger the vertical joints.

After all of the stones have been set, mortar can be applied to the joints via a grout bag (figure 9) or pointing trowel. Work your way through the field from bottom to top, forcing the mortar into the joints or any voids that may exist. Note that joint treatments vary by region and individual preference. Be sure to take into account the joint mortar depth required by your specific job as you work your way through the field. If any mortar lands on the face(s) of the stone during the course of installation, allow it to dry slightly and then brush or sponge off any residue.

When the mortar becomes firm (30-60 minutes depending on climate and temperature) use a striking tool to rake the joints to the desired depth (figure 10). Finish with a brush or whisk broom (figure 11). After the stone has set for a minimum of 48 hours, wet it down with water and apply a mild detergent with a soft-bristled brush. **DO NOT USE ACIDS OR SOLVENTS.**

**The wheel guard on the angle grinder pictured has been removed for illustrative purposes only. Be sure to follow all safe operating instructions included with your tools and to wear both hearing and eye protection.*



6



7



8



9

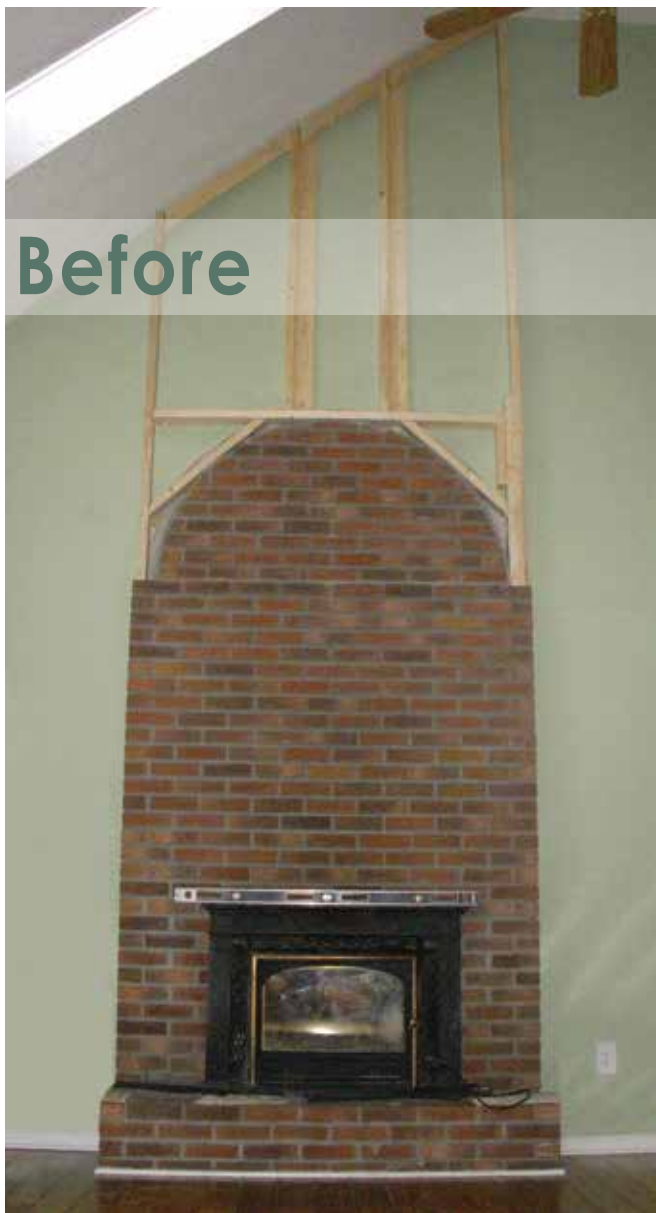


10



11

Before



After



Remodel

Generally, stone masonry veneer products are not intended to be load bearing. It is a facing that is constructed to a non-horizontal surface that is otherwise self supporting or self contained and may be installed in direct contact or incorporated as a component of a cavity system. It is used for aesthetic purposes with an advantage being that it is virtually maintenance free. The stone itself can be considered a forever product, already being hundreds of millions of years old.

Special Blends

Special Blends of Stone

American Granite™ • Corinthian Granite® • Summit Granite® • Van Tassell Granite®
South Bay Quartzite® • Great Meadow Limestone®



American Granite™ Corinthian Granite® Summit Granite® Van Tassel Granite® South
Great Meadow Limestone® American Granite™ Corinthian Granite® Summit Granite®
Granite® South Bay Quartzite® Great Meadow Limestone® American Granite™ Corin
Summit Granite® Van Tassel Granite® South Bay Quartzite® Great Meadow Limestone®

Special Blends



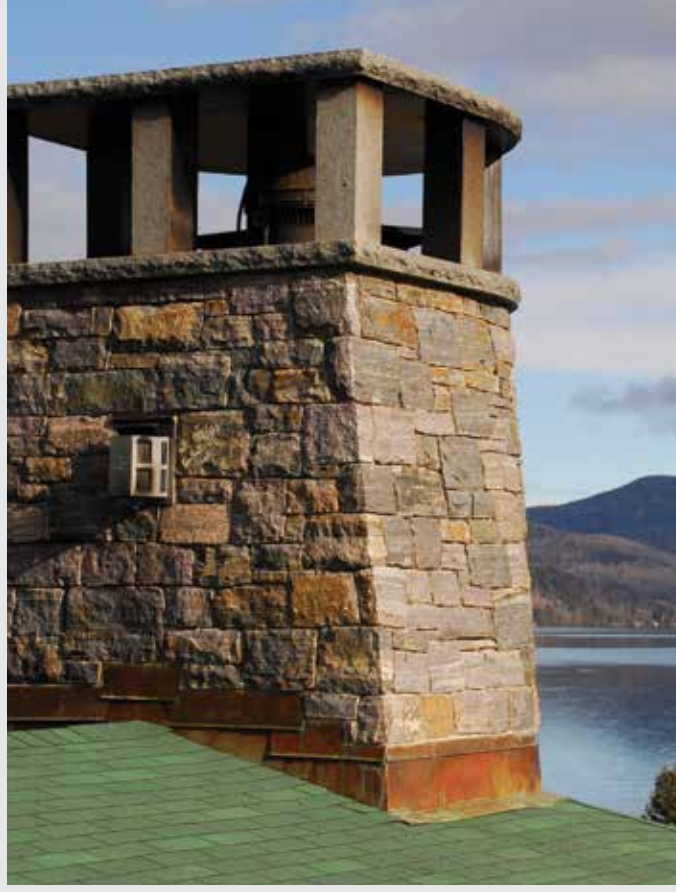
Special Blends



American Granite® Corinthian Granite® Summit Granite® Van Tassel Granite®
 Great Meadow Limestone® American Granite™ Corinthian Granite® Summit G
 te® South Bay Quartzite® Great Meadow Limestone® American Granite™ Cori
 Granite® Van Tassel Granite® South Bay Quartzite® Great Meadow Limestone®

American Granite™ Corinthian Granite® Summit Granite® Van Tassel Granite® South Bay Granite® Great Meadow Limestone® American Granite™ Corinthian Granite® Summit Granite® American Granite™ South Bay Quartzite® Great Meadow Limestone® American Granite™ Corin Summit Granite® Van Tassel Granite® South Bay Quartzite® Great Meadow Limestone

Special Blends



Special Blends



American Granite™ Corinthian Granite® Summit Granite® Van Tassel Granite®
 Great Meadow Limestone® American Granite™ Corinthian Granite® Summit G
 te® South Bay Quartzite® Great Meadow Limestone® American Granite™ Cori
 Granite® Van Tassel Granite® South Bay Quartzite® Great Meadow Limestone®

Special Blends



Design Considerations

Fireplaces, Kitchens, Bars, Bathrooms, Public Spaces



Interiors



Interiors



Fireplaces Kitchens Bars Bathrooms Public Spaces Fireplaces Kitchens Bars Bath
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Interiors

