Nitterhouse's filled and polished Elite line will create an exquisite exterior or interior on any commercial project. Our Elite block eliminates the need for laying block and then facing it with ceramic tile in interior applications. Nitterhouse's Elite block meets ASTM-C90 standard for loadbearing concrete masonry units and can be used both at and below grades. This block also meets the ASTM-C744 standard specification.

These samples are presented as a general representation of the product. Color of pieces will vary slightly from sample. Contact your Nitterhouse representative, 717-267-4500 for a physical sample.

Elite can be made in all standard Nitterhouse CMU colors.
All sizes are nominal. Special shapes and cuts are available upon request please contact your Nitterhouse representative.

STRETCHER UNIT
4" x 8" x 16"
6" x 8" x 16"
8" x 8" x 16"
10" x 8" x 16"
12" x 8" x 16"
Finishes: Split, Ground, Matte, Antique

SOLID UNIT
4" x 4" x 24"
6" x 8" x 16"
8" x 8" x 16"
10" x 8" x 16"
12" x 8" x 16"
Finishes: Split, Ground, Matte, Antique

UNIVERSAL CORNER UNIT
8" x 8" x 16" Finishes: Split Face Only
*Can be converted to a 4" x 8" x 16" Split face "L" corner at the job site

QUOIN CORNER UNIT
8" x 8" x 16"
Finishes: Split, Ground, Matte, Antique

"L" CORNER UNIT
4" x 8" x 16"
*Can be used with any size block.

BULLNOSE STRETCHER UNIT
4" x 8" x 16"
6" x 8" x 16"
8" x 8" x 16"
10" x 8" x 16"
12" x 8" x 16"
Finishes: Ground, Matte, Antique

STRETCHER WITH SCORE
4" x 8" x 16"
6" x 8" x 16"
8" x 8" x 16"
10" x 8" x 16"
12" x 8" x 16"
Finishes: Split, Ground, Matte, Antique

OPEN-BOTTOM BOND BEAM UNIT
4" x 8" x 16"
6" x 8" x 16"
8" x 8" x 16"
10" x 8" x 16"
12" x 8" x 16"
Finishes: Split, Ground, Matte, Antique

SPLIT 6 FLUTE STRETCHER UNIT
4" x 8" x 16"
6" x 8" x 16"
8" x 8" x 16"
10" x 8" x 16"
12" x 8" x 16"
Finishes: Split Face Only

SPLIT 6 FLUTE "L": CORNER UNIT
4" x 8" x 16"
Finishes: Split Face Only

SPLIT 8 FLUTE STRETCHER UNIT
4" x 8" x 16"
6" x 8" x 16"
8" x 8" x 16"
10" x 8" x 16"
12" x 8" x 16"
Finishes: Split Face Only

SPLIT 8 FLUTE "L": CORNER UNIT
4" x 8" x 16"
Finishes: Split Face Only

SPLIT WIDE STRETCHER UNIT
4" x 8" x 16"
6" x 8" x 16"
8" x 8" x 16"
10" x 8" x 16"
12" x 8" x 16"
Finishes: Split Face Only

CLOSED-BOTTOM BOND BEAM UNIT
8" x 8" x 16"
10" x 8" x 16"
12" x 8" x 16"
Finishes: Split, Ground, Matte, Antique

SPLIT 6 FLUTE STRETCHER UNIT
4" x 8" x 16"
6" x 8" x 16"
8" x 8" x 16"
10" x 8" x 16"
12" x 8" x 16"
Finishes: Split Face Only

SPLIT 6 FLUTE "L": CORNER UNIT
4" x 8" x 16"
Finishes: Split Face Only

SPLIT 8 FLUTE STRETCHER UNIT
4" x 8" x 16"
6" x 8" x 16"
8" x 8" x 16"
10" x 8" x 16"
12" x 8" x 16"
Finishes: Split Face Only

SPLIT 8 FLUTE "L": CORNER UNIT
4" x 8" x 16"
Finishes: Split Face Only

SPLIT WIDE STRETCHER UNIT
4" x 8" x 16"
6" x 8" x 16"
8" x 8" x 16"
10" x 8" x 16"
12" x 8" x 16"
Finishes: Split Face Only

CLOSED-BOTTOM BOND BEAM UNIT
8" x 8" x 16"
10" x 8" x 16"
12" x 8" x 16"
Finishes: Split, Ground, Matte, Antique
PART I - GENERAL

PRODUCT NAME
Specify exact type of Architectural Concrete Masonry Units as required.

MANUFACTURER
Nitterhouse Masonry Products, LLC
P. O. Box 692
859 Cleveland Avenue
Chambersburg, PA 17201

INTRODUCTION

SUBMITTAL
Submit color samples for selection from manufacturer’s Color Selection Kit. Submit product literature, certifications, and test reports, full size sample(s) of each color specified.

QUALITY ASSURANCE
Certifications: All loadbearing CMU comply with ASTM C90. All non-loadbearing units comply with C129. All aggregates conform to ASTM C33. All sampling and testing shall be according to ASTM C140.

DELIVERY, STORAGE & HANDLING
All CMU shall be delivered to the job site on stretch-wrapped wooden pallets. Protective sheets shall be used to protect the faces of the Ground Face units. Store pallets in single stacks on level ground and cover with waterproof covering (e.g. tarpaulins) to protect the blocks from inclement weather. Handle blocks carefully to avoid breakage and damage to the finished surfaces.

PART II - PRODUCTS

FINISHES
Specify exact type of finish required: (Split Face, Matte Face, Ground Face, Antique, etc.)

SIZES AND SHAPES
Specify exact sizes and shapes required. (See Shapes and Sizes on pages 14 and 15.) Also specify if finished ends, scores and chamfers are required.

INSTALLATION

Lighting: Provide adequate lighting for masonry work by placing all lighting at a reasonable distance from the wall for even illumination. Do not use lighting through the wall.

Cutting: Make all unit cuts with masonry driven saws, using either an abrasive or diamond blade. Cut neatly and locate for best appearance.

Cleaning: Keep walls clean during installation using brushes. Do not allow excess mortar or smears to harden on the finished surface. Harsh cleaning methods after walls have been erected may mar the surface of the blocks. Clean masonry units within 7 to 14 days of laying the wall. Failure to do this could result in hazardous conditions, needed to remove mortar and debris; thus, resulting in damaging the finish of the product.

SEALER
If specified or required, sealer to be field-applied by a qualified applicator. All repairs are to be be completed prior to sealing of masonry units. Refer to manufacturer for preferred sealer to be used.

PROJECT / SITE CONDITIONS
Protection of Work: Cover walls each day after installation to keep open walls protected and dry. After units are installed, they should be protected from damage by other trades performing operations that can stain or otherwise damage the finished surfaces by covering walls with plastic.

INSPECTION
The faces of all concrete masonry products shall be free from chips, cracks, crazies or any imperfections that would detract from the overall appearance of the finished wall when viewed from a distance of twenty (20) feet at right angles to the wall with normal lighting, as per ASTM C129, C90.

QUALITY ASSURANCE
Certifications: All loadbearing CMU comply with ASTM C90. All non-loadbearing units comply with C129. All aggregates conform to ASTM C33. All sampling and testing shall be according to ASTM C140. All finished faces to be ground, filled with a cementitious filler, polished and sealed with a coat of VOC compliant acrylic resin sealer conforming to ASTM C744 standards. Resistance: Fire rated for up to 2 hours. See hourly ratings required by NCMA TEK Notes, available at www.nitterhouse.com. Field Constructed Mock-ups: Construct a sample panel, no less than 4' x 4' of units of each color and size to be used in the project.

Delivery, Storage & Handling: All CMU shall be delivered to the job site on stretch-wrapped wooden pallets. Cover with waterproof covering (e.g. tarpaulins) to protect the blocks from inclement weather. Handle blocks carefully to avoid breakage and damage to the finished surfaces. Protective foam shall be used to protect the faces. Store pallets in single stacks on level ground.

MAINTENANCE
Nitterhouse Architectural Concrete Masonry Units, properly installed and cleaned, need very little, if any future maintenance. Graffiti, paint, or stains might require the use of special cleaning agents. Contact Nitterhouse for specific cleaning recommendations.

FINISHES
Specify exact type of finish required: (Filled, polished and sealed CMU’s) All finished faces to be ground, filled with a cementitious filler, polished and sealed with a coat of VOC compliant acrylic resin sealer conforming to ASTM C744 standards.

Sizes and Shapes
Specify exact sizes and shapes required. (See pages 14 and 15.) Also specify if finished ends, scores, and chamfers are required.

Standard finish dimensions: 7 5/8” x 15 5/8” typical

Bed depth sizes nominal: 4”, 6”, 8”, 10”, & 12”.

PRODUCT NAME
Specify exact type of Architectural Concrete Masonry Units as required.

MANUFACTURER
Nitterhouse Masonry Products, LLC
P. O. Box 692
859 Cleveland Avenue
Chambersburg, PA 17201

INTRODUCTION

SUBMITTAL
Submit color samples for selection from manufacturer’s Color Selection Kit. Submit product literature, certifications, and test reports, full size sample(s) of each color specified.

QUALITY ASSURANCE
Certifications: All loadbearing CMU comply with ASTM C90. All non-loadbearing units comply with C129. All aggregates conform to ASTM C33. All sampling and testing shall be according to ASTM C140. All finished faces to be ground, filled with a cementitious filler, polished and sealed with a coat of VOC compliant acrylic resin sealer conforming to ASTM C744 standards.
INSTALLATION
LAYING MASONRY WALLS
PART III - EXECUTION
INTEGRAL WATER REPELLENT
GROUND FACE UNITS
ELITE CMU’S (FILLED & POLISHED UNITS)
GROUND FACE UNITS (CONTINUED)
SEALER
All ground face CMU’s are factory sealed with a VOC compliant water based acrylic resin sealer and conforms to ASTM C-744 standards. It is recommended that a second coat of sealer be applied after final wash down to seal entire wall.

INTEGRAL WATER REPELLENT
All Architectural CMU’s are produced with Sika AE-3 Integral Water Repellent. Sika W-10 Mortar admix must be purchased from block manufacturer.

WEEP HOLES AND VENTS
Install weep holes and vents at proper intervals (according to typical practice) at courses above grade, above flashing, and at any water stops over windows, doors, and beams.

PROJECT / SITE CONDITIONS
Protection of Work: Cover walls each day after installation to keep open walls protected and dry. After units are installed, they should be protected from damage by other trades performing operations that can stain or otherwise damage the finished surfaces by covering walls with plastic.

INSPECTION
The faces of all concrete masonry products shall be free from chips, cracks, crazes or any other imperfections that would detract from the overall appearance of the finished wall when viewed from a distance of twenty (20) feet at right angles to the wall with normal lighting, as per ASTM C390 or ASTM C129.

CLEANING
Keep walls clean during installation using brushes. Do not allow excess mortar or smears to harden on the finished surface. Harsh cleaning methods after walls have been erected may mar the surface of the blocks. Clean masonry units within 7 to 14 days of laying the wall. Failure to do this could result in harsh methods needed to remove mortar and debris; thus, resulting in damaging the finish of the product.

SEALER
If specified, sealer to be field-applied by a qualified applicator. All repairs are to be completed prior to sealing of masonry units. Refer to manufacturer for preferred sealer to be used.

FINAL CLEANDOWN
The recommended clean down would be to use clear water and a brush. If additional cleaning is required, the use of a detergent masonry cleanser formulated for concrete masonry may be used, strictly following the manufacturer’s instructions including thorough pre-wetting of the walls and thorough rinsing. Do not use acid or abrasives on the finished surfaces. Failure to strictly follow manufacturer’s instruction can result in permanent damage to the finished faces. High-pressure power washing is not recommended.

MAINTENANCE
Nitterhouse Architectural Concrete Masonry Units, properly installed and cleaned, need very little, if any future maintenance. Graffiti, paint or stains might require the use of special cleaning agents. Contact Nitterhouse for specific cleaning recommendations.

ARCHITECTURAL LEGACY STONE
PART I - GENERAL
PRODUCT NAME
Textured Legacy Stone Masonry Units
Terrazzo Legacy Stone Masonry Units

MANUFACTURER
Nitterhouse Masonry Products, LLC
10-4-10
3-5/8" x 11-5/8" x 11-5/8"
3-5/8" x 15-5/8" x 23-5/8"
3-5/8" x 11-5/8" x 11-5/8"
3-5/8" x 11-5/8" x 11-5/8"

PART II - PRODUCTS
FINISHES
Specify exact type of finish required:
Textured Finish – (Shot Blasted)
Terrazzo Finish – (Ground Face)

SIZES AND SHAPES
3-5/8" x 3-5/8" x 2-5/8"
3-5/8" x 7-5/8" x 2-5/8"
3-5/8" x 11-5/8" x 2-5/8"
3-5/8" x 15-5/8" x 23-5/8"
3-5/8" x 11-5/8" x 11-5/8"
3-5/8" x 11-5/8" x 11-5/8"

PART III - EXECUTION
LAYING MASONRY WALLS
Lay units using the best concrete masonry practices. Install only quality units; reject any defective units. Units should include uniform quality units; reject any defective masonry units before it sets. Use trowel to fill mortar joints. Use mason’s trowel or other tooling tool to tool joints. Keep walls clean during installation using brushes. Do not allow excess mortar or smears to harden on the finished surface. Harsh cleaning methods after walls have been erected may mar the surface of the blocks. Clean masonry units within 7 to 14 days of laying the wall. Failure to do this could result in harsh methods needed to remove mortar and debris; thus, resulting in damaging the finish of the product.

SEALER
If specified, sealer to be field-applied by a qualified applicator. All repairs are to be completed prior to sealing of masonry units. Refer to manufacturer for preferred sealer to be used.

FINAL CLEANDOWN
The recommended clean down would be to use clear water and a brush. If additional cleaning is required, the use of a detergent masonry cleanser formulated for concrete masonry may be used, strictly following the manufacturer’s instructions including thorough pre-wetting of the walls and thorough rinsing. Do not use acid or abrasives on the finished surfaces. Failure to strictly follow manufacturer’s instruction can result in permanent damage to the finished faces. High-pressure power washing is not recommended.

QUALITY ASSURANCE
Certifications: Legacy Stone units meet ASTM C390 specs; however, they are not designed to be a loadbearing unit. All non-loadbearing units comply with ASTM C129. All aggregates shall conform to ASTM C33. All sampling and testing shall be according to ASTM C420.

FIELD Constructed Mock-ups:
Construct a sample panel, no less than 4’ x 4’ of units of each color and size to be used in the project.

DELIVERY, STORAGE & HANDLING:
Legacy Stone units shall be delivered to the job site on stretch-wrapped wooden pallets. Protective sheets to be used to protect the faces. Stone pallets in single stacks on level ground and with waterproof cover (Tarps/liners) to protect the blocks from inclement weather. Handle blocks carefully to avoid breakage and damage to the finished surfaces.

INSPECTION
1. Lay units in accordance with standard acceptable masonry practices.
2. Material to be pulled from various cubits.
3. Do not use pry bars or other equipment that could damage when installing units.
4. Set units in a full bed of mortar. Vertical and horizontal joints to be 1/8” unless otherwise indicated in drawings.
5. Shims may be used to space units.
6. Joints to be beveled with a concave profile.
7. Legacy Stone shall have the required flashing practices of control joints as required by the Architect/Engineer. See NCMA TEK 10-28 and NCMA TEK 10-4 for reference.
8. Careful attention should be given to anchoring connections. Slots and dowel holes are to be filled with mortar grout.
10. Remove excess mortar from masonry immediately.

FLASHING OF MASONRY WORK
Install flashing at locations shown in the plans and in strict accordance with the details and the proper masonry flashing practices as outlined in the CONCRETE MASONRY HANDBOOK published by the Portland Cement Association.

WEEP HOLES AND VENTS
Install weep holes and vents at proper intervals (according to typical practice) at courses above grade, above flashing, and at any water stops over windows, doors, and beams.

WEAR HOLES AND VENTS
Install weep holes and vents at proper intervals (according to typical practice) at courses above grade, above flashing, and at any water stops over windows, doors, and beams.

PROJECT / SITE CONDITIONS
Protect walls during installation using waterproof cover (tarpaulins) to protect the blocks from weather and cover with waterproof cover (tarpaulins) to protect the faces. Store pallets. Protective sheets to be used carefully to avoid breakage and damage to the finished surfaces. Refer to NCMA TEK 3-1A for Hot and Cold weather construction practices.

FIELD Constructed Mock-ups:
Construct a sample panel, no less than 4’ x 4’ of units of each color and size to be used in the project.

DELIVERY, STORAGE & HANDLING:
Legacy Stone units shall be delivered to the job site on stretch-wrapped wooden pallets. Protective sheets to be used to protect the faces. Stone pallets in single stacks on level ground and with waterproof cover (Tarps/liners) to protect the blocks from inclement weather. Handle blocks carefully to avoid breakage and damage to the finished surfaces.

QUALITY ASSURANCE
Certifications: Legacy Stone units meet ASTM C390 specs; however, they are not designed to be a loadbearing unit. All non-loadbearing units comply with ASTM C129. All aggregates shall conform to ASTM C33. All sampling and testing shall be according to ASTM C420.

INSTALLATION
Lay units using the best concrete masonry practices. Install only quality units; reject any defective units. Units should include uniform quality units; reject any defective masonry units before it sets. Use trowel to fill mortar joints. Use mason’s trowel or other tooling tool to tool joints. Keep walls clean during installation using brushes. Do not allow excess mortar or smears to harden on the finished surface. Harsh cleaning methods after walls have been erected may mar the surface of the blocks. Clean masonry units within 7 to 14 days of laying the wall. Failure to do this could result in harsh methods needed to remove mortar and debris; thus, resulting in damaging the finish of the product.

SEALER
If specified, sealer to be field-applied by a qualified applicator. All repairs are to be completed prior to sealing of masonry units. Refer to manufacturer for preferred sealer to be used.

FINAL CLEANDOWN
The recommended clean down would be to use clear water and a brush. If additional cleaning is required, the use of a detergent masonry cleanser formulated for concrete masonry may be used, strictly following the manufacturer’s instructions including thorough pre-wetting of the walls and thorough rinsing. Do not use acid or abrasives on the finished surfaces. Failure to strictly follow manufacturer’s instruction can result in permanent damage to the finished faces. High-pressure power washing is not recommended.

MAINTENANCE
Nitterhouse Architectural Concrete Masonry Units, properly installed and cleaned, need very little, if any future maintenance. Graffiti, paint or stains might require the use of special cleaning agents. Contact Nitterhouse for specific cleaning recommendations.

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