NITTERHOUSE MASONRY PRODUCTS SPECIFICATIONS FOR: GROUND FACE ARCHITECTURAL BLOCK

Specifications

NMP Architectural Ground Face CMU's

Part I – General

PRODUCT NAME

Architectural Ground Face CMU's

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 load-bearing CMU comply with ASTM C90. All non-load-bearing units comply with C129. All aggregates conform to ASTM C33. All sampling and testing shall be according to ASTM C140. Finished face will have a coat of factory applied water based VOC compliant acrylic resin sealer- and conforms to ASTM C744 standards.

Fire Resistance- Fire rated for up to 4 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 jobsite 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.

Part II - Products

FINISHES

Specify exact type of finish required: Ground Face select from color group E

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 –3 5/8" x 15 5/8" and 7 5/8" x 15 5/8" typical

Bed depth sizes nominal – 4", 6", 8", 10", & 12".

Thin Veneer CMU's 1" bed depth.

INTERGAL WATER REPELLANT

All Architectural CMU's are produced with SIKA AE-3 integral water repellant. Integral water repellant SIKA W-10 M mortar admixture must be added to the mortar by the mason at a rate of 1 quart bottle per 2 bags of mortar. Mortar admix must be purchased from the same block manufacturer which produced the block for the project to validate warranty.

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 3/8" wide joints on the completed side of the wall. Draw blocks from 4 different pallets at a time during installation to maintain a more uniform wall color. Refer to NCMA TEK 3-1A for Hot and Cold weather construction practices.

INSTALLATION

Mortar Bed and Jointing:

1. Lay units with full mortar coverage on head and bed joints.
2. Tool all mortar joints when thumbprint hard into a concave configuration.
3. Care should be taken to remove mortar from the face of masonry units before it sets.
4. Tuck point the joints of scored units for proper appearance.

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

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.

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 C90 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.

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.

MANUFACTURER QUALIFICATIONS

As manufactured by Nitterhouse Masonry Products, LLC
859 Cleveland Ave. Chambersburg, PA 17201
Phone: 717-267-4500
email: masonry@nitterhouse.com
www.nitterhousemasonry.com

NITTERHOUSE MASONRY PRODUCTS, LLC