PART 1—GENERAL

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

QUALITY ASSURANCE
Certifications (Split Face, Weathered Face, Matte Face): Concrete blocks for finishing shall conform to ASTM C90. The provisions of ASTM C90, apply with regard to appearance.

Certifications (Ground Face): Concrete blocks for grinding shall conform to ASTM C90. The ground surfaces are produced unsealed. All units contain an integral water repellent and CMU admixture at the time of manufacture.

Fire Resistance: Define hourly ratings required as 1, 2, 3 or 4 hours.

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

DELIVERY, STORAGE AND HANDLING
Masonry units shall be delivered to the jobsite on covered banded pallets. 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.

PROJECT/SITE CONDITIONS
Protection of Work: Cover tops of walls each day after installation to keep open walls protected and dry. After units are installed they should be protected from staining or other damage by covering the bottom of the walls with plastic.

PART 2—PRODUCTS

PRODUCT NAME
Architectural Concrete Masonry Units – All Finishes

MANUFACTURER
New Holland Concrete  828 East Earl Road, PO Box 218  New Holland, PA 17557  800.543.3860

RELATED MATERIALS
Colored matching or contrasting mortar is available from New Holland Concrete. Refer to Division 4 Masonry Section for mortar type and specifications. In all exterior mortar, use Rheopel® water-repellent mortar additive available from New Holland Concrete and follow manufacturer’s instructions.

SIZES AND SHAPES
Nominal 2", 4", 6", 8", 10" and 12" standard block thicknesses are available, as well as all standard block shapes. High-strength units for special structural requirements are also available.

MASONRY CLEANERS
Use masonry cleaners such as EaCo Chem NMD-80 Masonry Cleaner for all finishes. Follow manufacturer's instructions for proper mixing and application. Do not apply cleaner with pressure spray above 50 psi. CAUTION! Never use Muriatic Acid solution on units.
Part 3—Execution

INSTALLATION
Lay blocks from more than one pallet at a time during installation. Lay units using the best concrete masonry practices. Lay blocks with the faces level, plumb and true to the line strung horizontally at the face. Complete masonry construction using procedures and workmanship consistent with the best masonry practices.

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

Mortar Bedding and Jointing:
- Lay units with full mortar coverage on head and bed joints, taking care not to block cores to be grouted or filled with masonry insulation.
- Tool all mortar joints -when thumbprint hard - into a concave configuration.
- Care should be taken to remove mortar from the face of masonry units before it sets.
- Tuckpoint the joints of scored units for proper appearance. All exterior scored units must be tuckpointed to prevent water penetration. DO NOT USE RAKE JOINTS – UNLESS NOTED.

INSTALLATION RECOMMENDATIONS
- Cavity wall construction is recommended for exterior walls, with proper flashing, venting and weep holes.
- A complementary or matching mortar color is recommended when using colored architectural units.
- Always test a small, inconspicuous area before using cleaners. Do not use acids or abrasives on finished surfaces.

FLASHING OF MASONRY WORK
Install flashing at locations shown in the plans and in strict accordance with the details and the best masonry flashing practices.

WEEP HOLES AND VENTS
Install weep holes and vents at proper intervals (32” O.C. above bed joints, typical) at courses above grade, above flashing and at any water stops over windows, doors and beams.

INSPECTION
The textured or ground faces shall be free from chips, cracks or any other imperfection 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.

CLEANING
Keep walls clean daily during installation using brushes. Do not allow excess mortar lumps or smears to harden on the finished surfaces. Harsh cleaning methods after walls have been erected may mar the surface of the blocks.

FINAL CLEANDOWN
Clean the completed walls with masonry cleaner APPROPRIATE FOR THE FINISH, strictly following the manufacturer’s instructions including thorough rinsing. Do not use acid or abrasives on the finished surfaces. Failure to strictly follow manufacturer’s instructions can result in permanent damage to the finished faces.

MAINTENANCE
Properly installed and cleaned architectural masonry units need virtually no maintenance other than routine cleaning with standard commercial grade cleaning agents.