

4 UNIT MASONRY
coated units



ASTRA-GLAZE-SW®+
glazed masonry units

04200/TRE
BuyLine 2435



astra-glaze-sw®+
GLAZED MASONRY UNITS

TRENWYTH

astra-glaze-sw[®]+

GLAZED MASONRY UNITS

The most advanced graffiti-resistant glazed concrete masonry units on the market are now virtually maintenance-free. ASTRA-GLAZE-SW[®]+ glazed masonry units by Trenwyth have new built-in protectants which act as an invisible shield — virtually impene- trable by spray paint, permanent markers, grease, or crayon. Graffiti and dirt wipe clean easily, making ASTRA-GLAZE-SW[®]+ glazed masonry units the perfect choice for your institutional, commercial, or industrial project.

ASTRA-GLAZE-SW[®]+ glazed units are lightweight concrete blocks which have a thermosetting glazing compound permanently molded to one or more faces. This glazing compound is cured and heat treated in gas-fired tunnel kilns thus becoming an integral part of the unit. The glazed facings are molded in individual molds, assuring dimensional uniformity of the glazed facing regardless of minor variations in the block.

Special manufacturing processes are used to provide a permanent, impervious satin glazed finish with exceptional resistance to staining, abrasion, impact, and chemicals.

One-Step Installation

ASTRA-GLAZE-SW[®]+ units provide finished load-bearing or non-load-bearing walls in a single trade, one-step operation. You save time and money.

Easy-to-Clean

Special proprietary formulations create an impervious, sanitary, and chemical-resistant facing approved by the USDA. Magic marker, spray paint, grease, etc. can be easily removed.

Low Maintenance

The satin finish will last the lifetime of your building and eliminates the need to repaint or refinish.

Weather Resistant

Using the most up-to-date technology, ASTRA-GLAZE-SW[®]+ units provide outstanding color-fastness. Plus, built-in ductility reduces the possibility of cracking and crazing in adverse conditions.

Design Flexibility

ASTRA-GLAZE-SW[®]+ units offer you freedom of expression in design through a variety of colors, shapes, and scoring patterns. Custom color matching is available to meet your design needs.



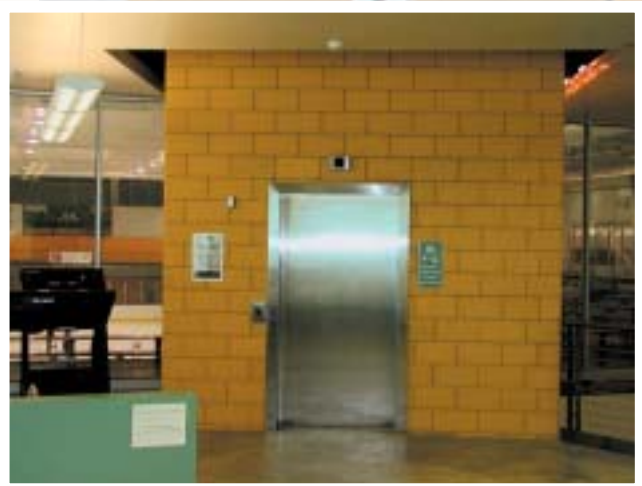
Rocky Mountain News Production Center
Denver, CO
Architect: Reilly Johnson Architecture



Above:
Lemont High School
Lemont, IL
Architect: Wight and Company
Mason: A. Horn

Cover Photo:
Lemont High School
Lemont, IL
Architect: Wight and Company
Mason: A. Horn

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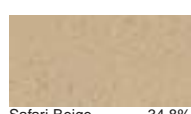
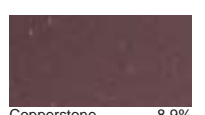
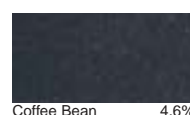
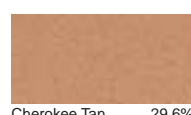
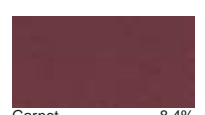
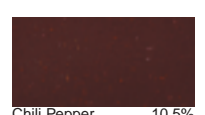
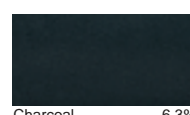
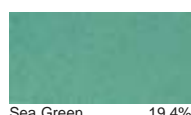
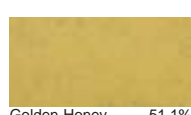
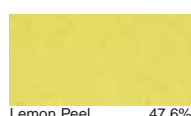
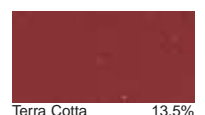
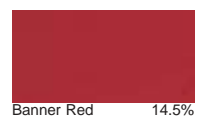
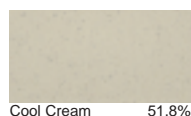
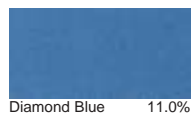
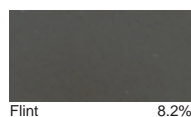
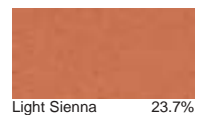


Olympic Ice Arena
Salt Lake City UT
Architect: FFKR
Mason: Paul Snyder Masonry

astra-glaze-sw[®]+

GLAZED MASONRY UNITS

CREATE YOUR OWN COLOR
OR CHOOSE FROM THESE PAGES



STANDARD CHIP KIT COLORS

 Buttermilk 51.8%*	 Burwick Blush 48.6%	 Snow White 66.4%	 Rothwell Blue 22.8%	 Sunbath 56.5%
 Wheatfield 41.8%	 Warm Spice 16.1%	 Whitman White 61.5%	 Frosted Jade 19.8%	 Avocado 21.4%
 Sunflower 35.4%	 Mahogany 12.3%	 Oatmeal 51.4%	 Valley Forge Blue 9.4%	 Mountain Meadow 26.7%
 Coral Flower 44.7%	 Pink Ice 52.4%	 Custom Gray 51.2%	 Cosmic Blue 8.8%	 Willow Leaf Green 10.4%
 Desert Rose 40.8%	 Soft Rose 16.5%	 Silver Gray 46.3%	 Misty Green 45.7%	 Ivory 50.7%
 Sedona Clay 29.8%	 Ruby Red 9.5%	 Earl Grey 9.5%	 Silk Green 46.7%	 Antique Lace 38.5%
 Viking Red 17.0%	 Orchid Petal 36.8%	 Ebony 3.8%	 Caribbean Reef 21.3%	 Pebble 27.3%
 Fire Engine Red 9.5%	 Lavender 26.2%	 Pastel Blue 42.8%	 Riviera 17.9%	 Peanut Brittle 23.0%
 Vivid Red 7.8%	 Royal Purple 17.3%	 Bimini Blue 23.2%	 Teal 7.7%	 Wild Mushroom 11.2%

*LRV - Light Reflectance Value

Note: These color representations have been printed as closely as possible to actual colors.
Exact color samples may be obtained from our representative or dealer.

Shapes and Sizes

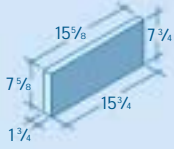
Note: Not all sizes are shown in this brochure. Please consult your nearest manufacturing facility.

*SPECIFY LEFT OR RIGHT (L OR R)

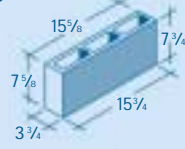
 See cautionary note regarding double-faced units in Installation Recommendations on Specifications Page.

Stretcher

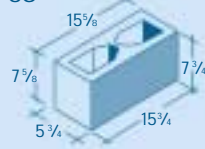
2S



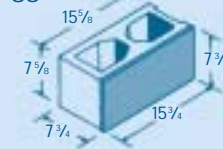
4S



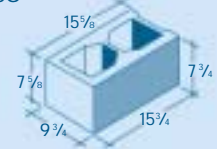
6S



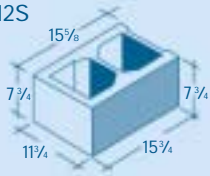
8S



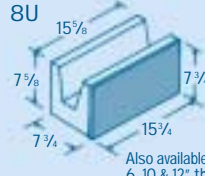
10S



12S

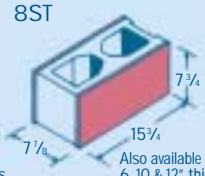


8U



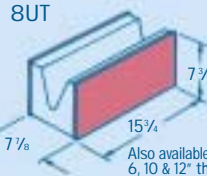
Also available in 4, 6, 10 & 12" thickness.

8ST



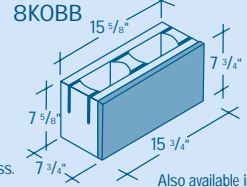
Also available in 4, 6, 10 & 12" thickness.

8UT



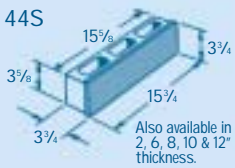
Also available in 4, 6, 10 & 12" thickness.

8KOB



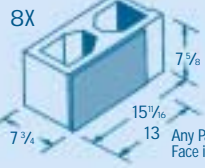
Also available in 6, 10 & 12" thickness.

44S



Also available in 2, 6, 8, 10 & 12" thickness.

8X



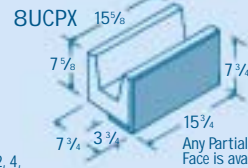
Any Partial Face is available. Also available in 2, 4, 6, 10 & 12" thickness.

8S8



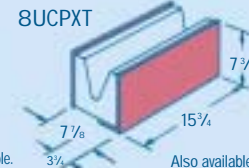
Also available in 2, 4, 6, 10 & 12" thickness.

8UCPX



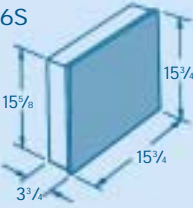
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8UCPXT

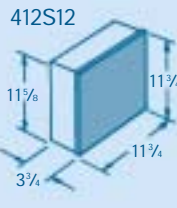


Also available in 6, 10 & 12" thickness.

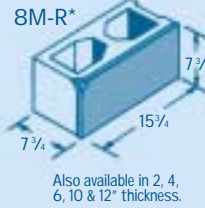
416S



412S12

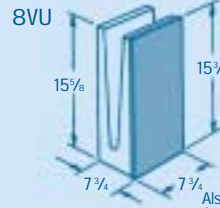


8M-R*



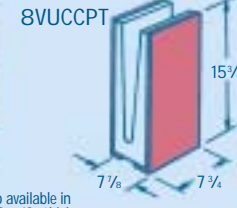
Also available in 2, 4, 6, 10 & 12" thickness.

8VU



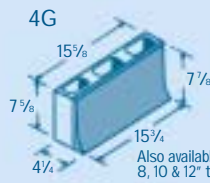
Also available in 6, 10 & 12" thickness.

8VUCPT



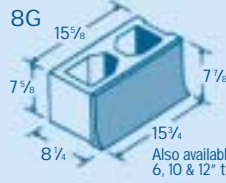
Cove Base

4G



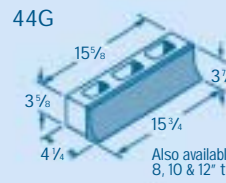
Also available in 2, 6, 8, 10 & 12" thickness.

8G



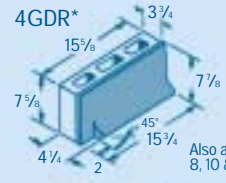
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44G



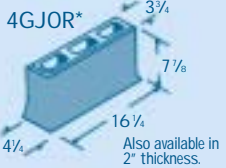
Also available in 2, 6, 8, 10 & 12" thickness.

4GDR*



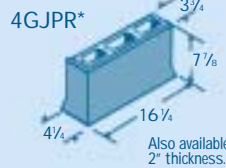
Also available in 2, 6, 8, 10 & 12" thickness.

4GJOR*



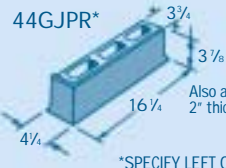
Also available in 2" thickness.

4GJPR*



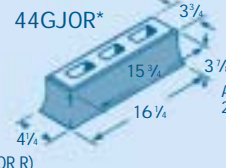
Also available in 2" thickness.

44GJPR*



Also available in 2" thickness.

44GJOR*

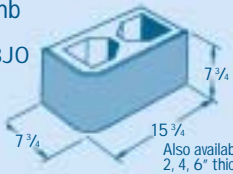


Also available in 2" thickness.

*SPECIFY LEFT OR RIGHT (L OR R)

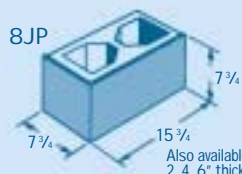
Jamb

8JO



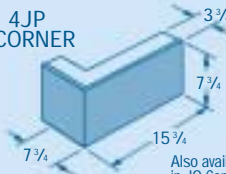
Also available in 2, 4, 6" thickness.

8JP



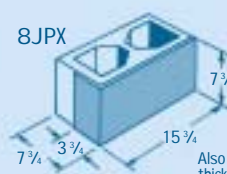
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4JP L CORNER



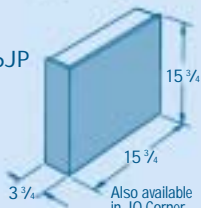
Also available in JO Corner.

8JPX



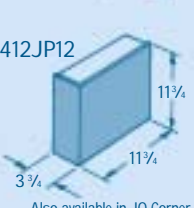
Any Partial Face is Available. Also available in 4, 6, 10 & 12" thickness and JO Corner.

416JP



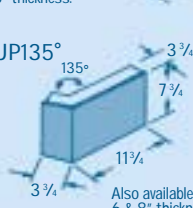
Also available in JO Corner.

412JP12



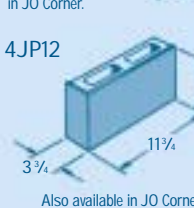
Also available in JO Corner.

4JP135°



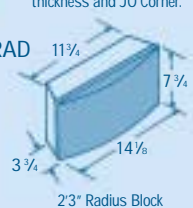
Also available in 6 & 8" thickness.

4JP12



Also available in JO Corner.

4RAD



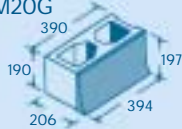
2 3/4" Radius Block

Metric Shapes and Sizes are Available

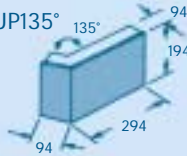
M20S



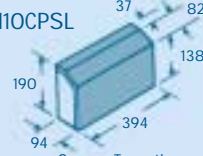
M20G



M10J135°



M10CPSL



M2.50CCJO
or
M520CCJO

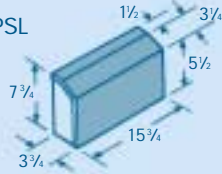


Also available in 5, 10, 15, 25 & 30 cm thicknesses.

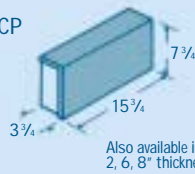
See your Trenwyth representative for details on metric shapes and sizes.

Caps

4CPSL

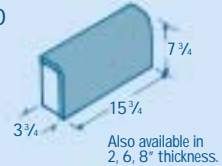


4CP



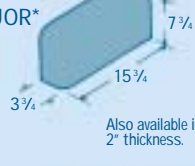
Also available in 2, 6, 8" thickness.

4CO



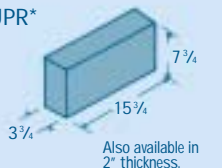
Also available in 2, 6, 8" thickness.

4CJOR*



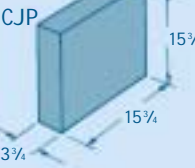
Also available in 2" thickness.

4CJPR*



Also available in 2" thickness.

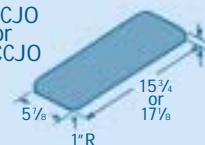
416CJP



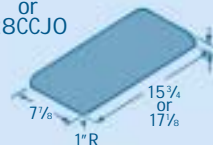
*SPECIFY LEFT OR RIGHT (L OR R)

1" and 2" Shapes Series

16CCJO
or
26CCJO



18CCJO
or
28CCJO



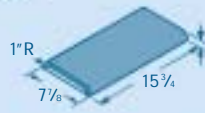
16CCO
or
26CCO



14CCO
or
24CCO



18CCO
or
28CCO



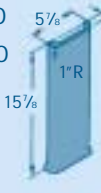
14CCJO
or
24CCJO



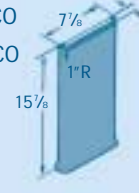
14VGCCO
or
24VGCCO



16VGCCO
or
26VGCCO



18VGCCO
or
28VGCCO



(1/2" toe matches standard "G" base units)

Scored Units

Have a scoring pattern in mind? Just try us. Chances are we can make it for you.

DA1



8 x 8 Score



4 x 8 Score



8 x 4 Score

DA9



6 Brick Vertical Score



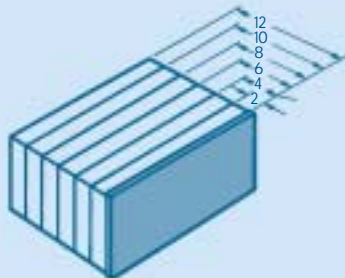
Design Your Own

Scores are 1/4" x 1/4" grooves cut into the glazed face of the blocks. We strongly recommend that all scored joints be tuckpointed and tooled, particularly on exterior applications. Scoring is not recommended on double-faced units.

Code Designation

S - Stretcher
G - Cove Base
T - Two Faced Units
U - Bond Beam Unit
C - Cap or Sill
J - Jamb
V - Vertically Coursed Unit

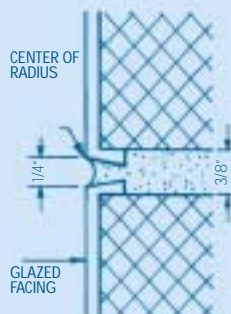
X - Partially Glazed Face
CC - Capped Both Sides
P - Square Corner
O - Bullnose Corner (Round)
L - Left Handed Unit
R - Right Handed Unit



THE FIRST NUMBER IN A SHAPE CODE REPRESENTS THE BLOCK'S THICKNESS (BED DEPTH). THE DIAGRAM ABOVE SHOWS NOMINAL THICKNESSES AVAILABLE. PLEASE NOTE THE RESPECTIVE THICKNESSES AVAILABLE LISTED UNDER EACH SHAPE.

Design Details

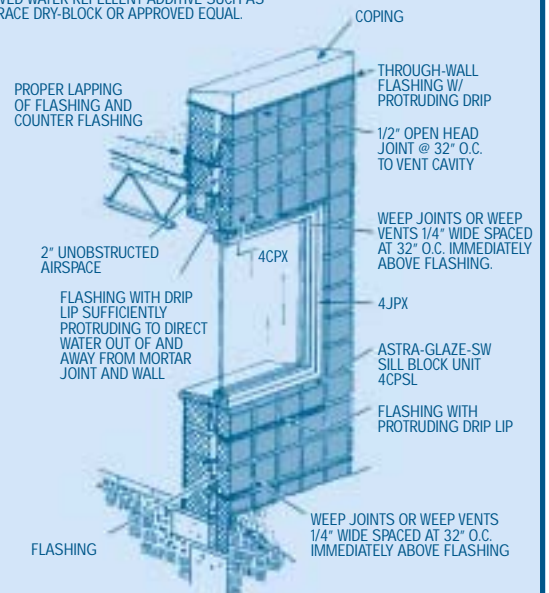
Joint Detail



THE GLAZED FACE DIMENSIONS ARE 7 7/8" X 15 3/4" WHICH ALLOWS A 1/4" JOINT USING MODULAR COURSING.

Detailing To Keep Moisture Out

ALL EXTERIOR MORTAR JOINTS MUST CONTAIN AN APPROVED WATER REPELLENT ADDITIVE SUCH AS W.R. GRACE DRY-BLOCK OR APPROVED EQUAL.





Montgomery Aquatic Center
Bethesda, MD
Architect: Sasaki Associates



Life Science Center
Aberdeen Proving Grounds
Aberdeen, MD
Architect: Gaudreau, Inc.



Health Education Center
York, PA
Architect: Murphy and
Dittenhafer, Inc.
Mason: Miller & Wagman, Inc.

04200/TRE
BuyLine 2435



Atlantic City Convention Center
Atlantic City, NJ
Architect: CBT/SSVK
Mason: Benfatto Corp.

04200/TRE
BuyLine 2435



University of Maryland
Campus Recreation Center
College Park, MD
Architect: Ayers, Saint, Gross
Mason: Genco

Part 1 – General

SUBMITTAL

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

QUALITY ASSURANCE

All glazed masonry units shall be ASTRA-GLAZE-SW[®] units manufactured by TRENWYTH INDUSTRIES, INC. Glazed concrete blocks manufactured in PA & IL shall be light-weight units conforming to ASTM C90 Type 1. Glazed concrete blocks manufactured in AZ shall be medium weight units conforming to ASTM C90 Type 1. The glazed surface shall have a smooth satin-gloss finish, externally heat-polymerized cast-on facing conforming to ASTM C744 and all applicable Federal Specifications. All units contain W.R. Grace DRY-BLOCK[®], an integral water-repellent 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 and size to be used in the project.

DELIVERY, STORAGE, AND HANDLING

Glazed masonry units shall be delivered to the jobsite on banded pallets with individual protective covers on each glazed block face. Keep protective block covers on the blocks until installation. 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 surface.

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. Corners should be protected from damage after installation by covering them with plywood.

Part 2 – Products

PRODUCT NAME

ASTRA-GLAZE-SW[®] glazed masonry units

MANUFACTURER

Trenwyth Industries, Inc., (800) 233-1924
One Connelly Road, P.O. Box 438
Emigsville, PA 17318

Trenwyth Industries, Inc., (800) 358-3003
238 Charles Avenue
South Beloit, IL 61080

Trenwyth Industries, Inc., (800) 331-9823
4626 N. 42nd Avenue
Phoenix, AZ 85019

RELATED MATERIALS

Colored matching or contrasting mortar as supplied by TRENWYTH INDUSTRIES, Inc. Refer to Division 4 Masonry Section for mortar type and specifications.

Use W.R. Grace DRY-BLOCK[®] water-repellent mortar additive, supplied by TRENWYTH INDUSTRIES, Inc., following manufacturer's instructions, in all exterior mortar.

SIZES AND SHAPES

Actual facing dimensions shall be 7-3/4" x 15-3/4" forming a 1/16" lip around the edges of a modular 7-5/8" x 15-5/8" block. Nominal 2", 4", 6", 8", 10", and 12" standard block thickness shall be used as required as well as standard and special block shapes. Basic units may include stretchers, jams, caps, and cove bases. Other possible face dimensions are nominal 16" x 16", 12" x 12", 8" x 18", 4" x 16", 8" x 8". Semi-solid and solid units shall be used where specified and/or shown on the drawings.

MASONRY CLEANERS

Use masonry cleaners such as Sure-Klean[®] 600 or Vanatrol[®], carefully following manufacturer's instructions.

CAUTION! The following solvents must never be used as they may damage ASTRA-GLAZE-SW[®] block facings: paint remover, lacquer thinner, epoxy thinner, methylene chloride, acetone, muriatic acid.

Part 3 – Execution

LAYING MASONRY WALLS

Draw blocks from more than one pallet at a time during installation. All exterior mortar shall include W.R. Grace DRY-BLOCK[®] water-repellent additive added to each batch in the appropriate dosage rates for mortar type (M,S or N) per manufacturer's instructions. Refer to NCMA TEK 3-1A for Hot and Cold weather construction practices.

INSTALLATION

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

Base Course: Align base course properly on the floor slab.

Cove Base: Keep the cove base tight to the slab if vinyl floor tile is to be installed. For thicker flooring, raise cove base units to the desired height.

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:

1. 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.
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. Tuckpoint the joints of scored units for proper appearance. All exterior scored units must be tuckpointed to prevent water penetration. Rake joints are not recommended on exterior applications.

WORKMANSHIP

Lay ASTRA-GLAZE-SW[®] blocks with the faces level, plumb, and true to a line strung horizontally at the glazed face. Install only quality units; reject all defective units. Units shall have uniform face joint dimensions of 1/4" both horizontally and vertically. Tool joints neatly after they are finger-hard to make them straight and uniform. Size and place cut pieces appropriately to maintain consistency and bond. Complete masonry construction using procedures and workmanship consistent with the best masonry practices.

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. and 2" long, above bed joints, typical) at courses above grade, above flashing, and at any water stops over windows, doors, and beams.

INSPECTION

The glazed facing shall be free from chips, cracks, crazes or any other imperfection that would detract from the overall appearance of the finished wall when viewed from a distance of five (5) feet at right angles to the wall with normal lighting.

CLEANING

Keep walls clean daily during installation using brushes or rags and a clean damp cloth. Harsh cleaning methods after walls have been erected may mar the surface of the blocks. Do not allow excess mortar lumps or smears to harden on the glazed surfaces. Remove green mortar with a dry cloth. Do not use steel wool, sandpaper, or other abrasives.

FINAL CLEANDOWN

Clean the completed walls with a detergent cleaner strictly following the manufacturer's instructions including thorough rinsing. Do not use acid or abrasives on the glazed surfaces. See Masonry Cleaners.

MAINTENANCE

ASTRA-GLAZE-SW[®] units, properly installed and cleaned, need virtually no maintenance other than routine cleaning with standard commercial grade cleaning agents such as PINESOL or FANTASTIK. Graffiti, paint or dye may need special cleaning methods and products such as Trenwyth's Graffiti Wizard environmentally friendly cleaner. Contact manufacturer for specific cleaning recommendations.

Installation Recommendations

- For walls with a glazed finish on both sides, use two single-faced units. Because masonry units are typically installed aligning one side, the second side of double-faced units is almost invariably misaligned. Use double-faced units only when economy is more important than appearance. 10" and 12" double-faced units are not recommended. Trenwyth accepts no responsibility for face alignment.
- Cavity wall construction is recommended for exterior walls, with proper flashing, venting, and weep holes.
- For best appearance, use stack bond construction when stack bond appearance is desired (as opposed to scored units in running bond).
- All exterior mortar joints must contain an approved water repellent additive such as W.R. Grace DRY-BLOCK[®] or approved equal.
- For best appearance and water resistance, tuckpoint scored joints on interior and exterior applications.
- A complementary or matching mortar color is recommended when using colorful ASTRA-GLAZE-SW[®] units.



Top Photo: Land Rover University • Lanham, MD
 Architect: Wisniewski Blair & Associates, LTD
 General Contractor: Gardiner & Gardiner

Bottom Photo: Henry D. Lloyd Elementary School • Chicago, IL
 Architect: Schroeder Murchie Laya Associates. Ltd.
 General Contractor: All Masonry

Trenwyth Industries, Inc. has specialized in the manufacture of high end architectural concrete masonry units since 1967. With its long history of unwavering dedication to quality, service, and innovation, Trenwyth remains at the forefront of the prefaced and prefinished concrete masonry industry.

FULL LINE OF PRODUCTS

Trenwyth's complete product line includes:

- ASTRA-GLAZE-SW^{®+} glazed masonry units
- TRENDSSTONE[®] ground face units
- TRENDSSTONE^{PLUS}[®] filled and polished units
- MESASTONE[®] textured masonry units
- ACOUSTA-WAL[®] sound-absorbing units
- PRAIRIESTONE masonry units by Northfield Block Co.

QUALITY

To ensure the highest quality products, Trenwyth controls the entire manufacturing process—from the manufacture of its own raw blocks, to producing its own prefacing and prefinishing components. You can always count on Trenwyth for quality masonry units.

FLEXIBLE & INNOVATIVE

In response to changing design and installation needs, Trenwyth is constantly developing new shapes, sizes and finishes, updating its technology, and inventing new products. If you have a special design need, chances are Trenwyth will accommodate it.

SERVICE

Whether the project is in New York City, Anchorage, Montreal, or London, a Trenwyth sales office or regional dealer is nearby. Call today for design, technical, or specialized information.

astra-glaze-sw^{®+}

GLAZED MASONRY UNITS

Quality products from TRENWYTH INDUSTRIES, INC. include:

- | | |
|--|--|
| TRENDSSTONE [®] ground face masonry units | TRENDSSTONE ^{PLUS} [®] filled and polished units |
| ACOUSTA-WAL [®] sound absorbing masonry units | MESASTONE [®] textured masonry units |
| PRAIRIESTONE masonry units by Northfield Block | ASTRA-GLAZE SW ^{®+} glazed masonry units |

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 (815) 389-3003
 FAX: (815) 389-3214

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