KNOXVILLE·KNOX COUNTY
MPC
METROPOLITAN PLANNING COMMISSION
TENNESSEE
Suite 403 • City County Building
400 Main Street
Knoxville, Tennessee 37902
865 • 215 • 2500
FAX • 215 • 2068
www • knoxmpc • org

Downtown Knoxville Design Overlay District
Certificate of Appropriateness

Name of Applicant: CITY OF KNOXVILLE

☒ Owner ☐ Contractor ☐ Architect ☐ Engineer ☐ Other

Date Filed: 2/28/13 Application accepted by: Michael Reynolds

Fee Amount: $0.00 Review Date: 3/21/13 File Number: 3-A-13-DT

PRE-APPLICATION CONFERENCE Date Completed:

PROPERTY INFORMATION

Building or Project Name: GARBAGE CAN ENCLOSURES

Street Address: 200 S. Gay St; 130 S. Central St; 420 Union Ave.

Parcel Identification Number(s):

PROPERTY OWNER

PLEASE PRINT
Name: CITY of KNOXVILLE
Company: P.O. Box 1631
Address: 400 Main St.
City: Knoxville State: TN Zip: 37901
Telephone: 865-215-3837
Fax:
E-mail: REMMETT@cityofknoxville.org

ACCOMPANYING MATERIALS

Please see the reverse side of this form for a list of information required as part of this application.

FOR OFFICE USE ONLY

PROJECT INFORMATION

LEVEL 1: $50
☒ Minor Alteration of an Existing Building/Structure by Streetscape
☐ Sign

LEVEL 2: $100
☐ Major Alteration of an Existing Building/Structure
☐ Addition to an Existing Building/Structure

LEVEL 3: $250
☐ Construction of New Building/Structure

PROJECT ARCHITECT/ENGINEER

PLEASE PRINT
Name: NA
Company:
Address:
City: State: Zip:
Telephone:
Fax:
E-mail:

PROJECT CONTRACTOR

PLEASE PRINT
Name: Southeastern, Inc.
Company:
Address: 410 Georgia St.
City: Knoxville State: TN Zip: 37921
Telephone: 865-522-0125
Fax:
E-mail:

PROJECT CONTACT

All application-related correspondence should be directed to:

PLEASE PRINT
Name: Rick Emmett
Company: City of Knoxville
Address: P.O. Box 1631
City: Knoxville State: TN Zip: 37901
Telephone: 865-215-3837
Fax:
E-mail: REMMETT@cityofknoxville.org

*NOTE: Payment is due at time of application. Please make check payable to **Knoxville Knox County Metropolitan Planning Commission.***

ALUMINUM LOUVERD ENCLOSURES

Part 1 – General

1.01 Scope of Project:

A. Furnish and install industrial grade aluminum louvered panels and accessory material necessary to enclose designated sites. The work includes, but is not necessarily limited to, the following:

1. Aluminum louvered panels. Height to be 4ft. Widths to vary at each site.
2. All aluminum 2 ½" square post necessary for complete installation.
3. All necessary hardware to securely fasten panels to post.

B. All material must be checked for any damage that may have occurred during transport. Damaged material shall be repaired or replaced as necessary. The material must be stored in a safe and dry environment so as to protect it from any potential damage. This aluminum panel system must be installed following the manufacture's standard procedures.

C. Contractor shall clean jobsites of excess material; excavated material from post holes shall be removed from the site. Concrete residue shall be removed from panels and post and any other affected materials and surfaces using a 10% solution of muriatic acid followed immediately by clean water rinse.

1.02 Quality Assurance:

Aluminum louvered panels and accessories must meet or exceed the following tests:

- AAMA-2603- salt spray resistance of 3000 hours.
- Accelerated weathering for 500 hours under Method 6152 of Federal Test Method 141 shall show no adhesion loss, with only slight fading and water staining.
- Outdoor weathering shall show no checking or crazing, with only slight fade when exposed for one year in Florida facing south at a 45° angle.
- Minimum hardness of 2H using ASTM D3363.
- Average coating thickness of 3 mils

1.02.1 References:

- ASTM B117 - Practice for Operating Salt-Spray (Fog) Apparatus.
- ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles and Tubes.
- ASTM D523 - Test Method for Specular Gloss.
- ASTM D822 - Practice for Conducting Tests on Paint and Related Coatings and Materials using Filtered Open-Flame Carbon-Arc Light and Water Exposure Apparatus.
- ASTM D1654 - Test Method for Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments.
- ASTM D2244 - Test Method for Calculation of Color Differences from Instrumentally Measured Color Coordinates.
- ASTM D2794 - Test Method for Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact).
- ASTM D3359 - Test Method for Measuring Adhesion by Tape Test.

1.03 Submittals:

1. Manufacturer's product literature and certification.
2. Shop drawings in sufficient detail to show fabrication, anchorage, and interface of the work.

1.04 Warranty:

The entire louvered system shall have a limited lifetime warranty against defects in workmanship and material while the finish must also carry a limited lifetime warranty against cracking, chipping or peeling.

Part 2-Products

2.01 Materials:

A. Aluminum Extrusions: All components shall be extruded from 6063-T5 in accordance with ASTM B221 having a minimum yield strength of 35,000 psi.
B. Fasteners: All fasteners shall be stainless steel with a zinc dichromate coating for enhanced corrosion resistance. Self-drilling, self-tapping hex head screws shall be used to connect the rails to the posts. All screws shall be painted to match the finish of the fence.
C. Accessories: All castings used for post caps, finials, scrolls, rings, floor and wall attachments shall be made from zinc or aluminum. Only stainless steel fasteners may be used with these accessories. All accessories will be painted to match the finish of the fence.

2.02 Spraylat Polyester thermal set:

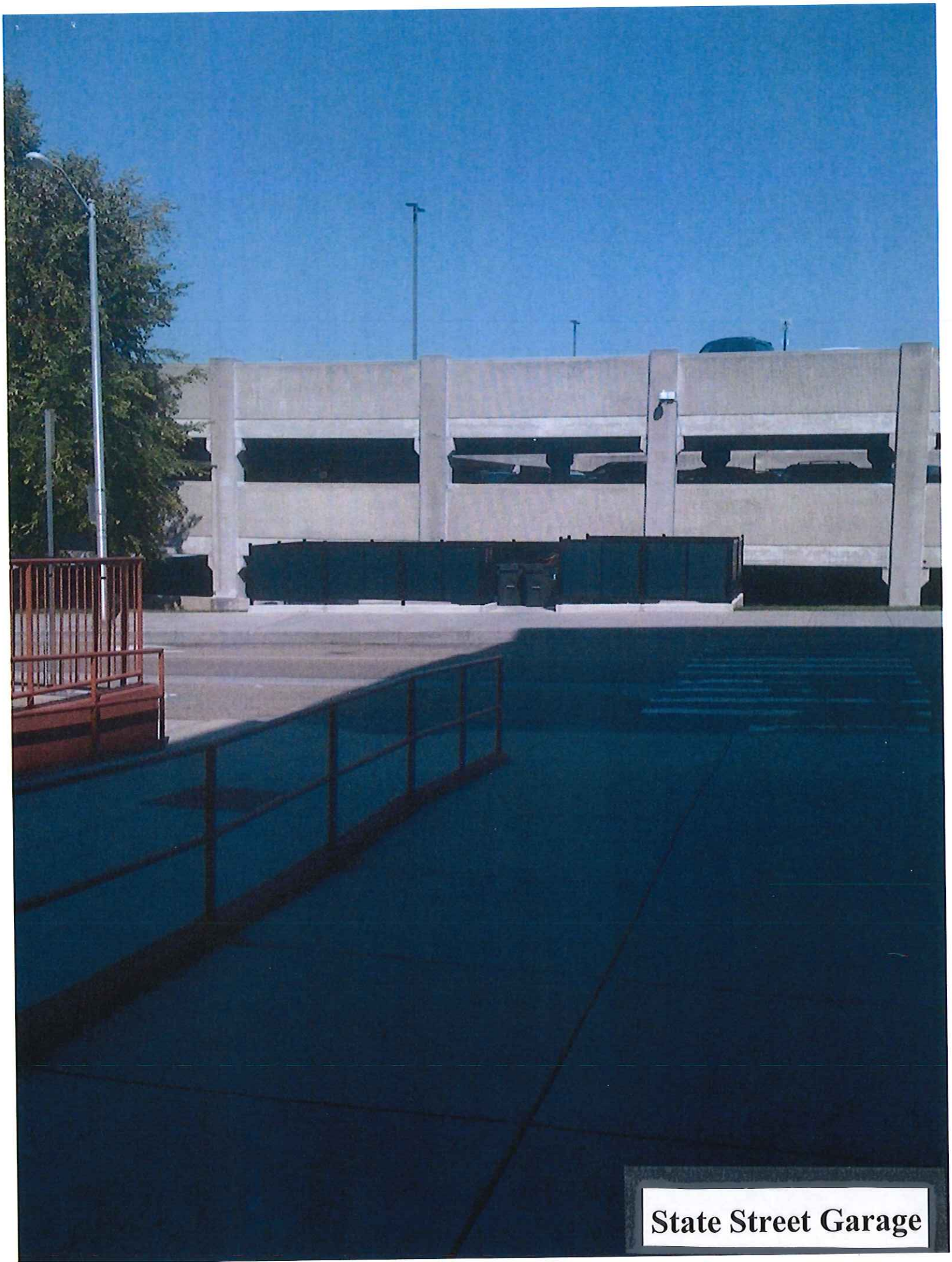
A. Pretreatment: Before the finish is applied, a five-stage acidic pretreatment must be applied to assure maximum adhesion and corrosion resistance.
   Stage 1: Phosphoric acid and Complex Organic Phosphate cleaner to prepare the surface.
   Stage 2: Water rinse.
   Stage 3: Acid based metal cleaner and oxide remover which conditions the aluminum surfaces for excepting coatings where consistent uniformity is required.
   Stage 4: Deionized water rinse.
   Stage 5: Chrome free, non-phosphate liquid coating chemical used to produce on aluminum and zinc alloys, a clear nearly colorless chemical Dried-In-Place (DIP) coating. The coating, when properly applied, has excellent paint bonding properties and affords under film protection.
B. Coating: The fence system shall have an electrostatically applied TGIC polyester powder coated finish that meets or exceeds industry standard tests. The color to be black.

2.03 Commercial Specifications:

A. Top and Bottom frame shall be 1 ¼" x 2 ¼" HV low profile "U" channel fully welded.
B. Side frame shall be 1 ¼" x 2 ¼" HV low profile punched and welded to top and bottom frame.
C. Center mullion shall be HV low profile punched to insure blade stability.
D. Blades shall be 2" aluminum oval inserted into frame and mullion before welding.
E. Posts shall be 2 ½" square with a .125" wall thickness and a minimum of 6' long. A cast aluminum cap is to be installed on all posts.

2.04 Concrete:

A. Concrete for post footing shall have a 28-day compressive strength of 2,500 psi.


State Street Garage

State Street Garage

N
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0 15 30 60
Feet

S Central Street

Garbage Can Enclosure

S. Central Street

S. Central Street


S. Central Street

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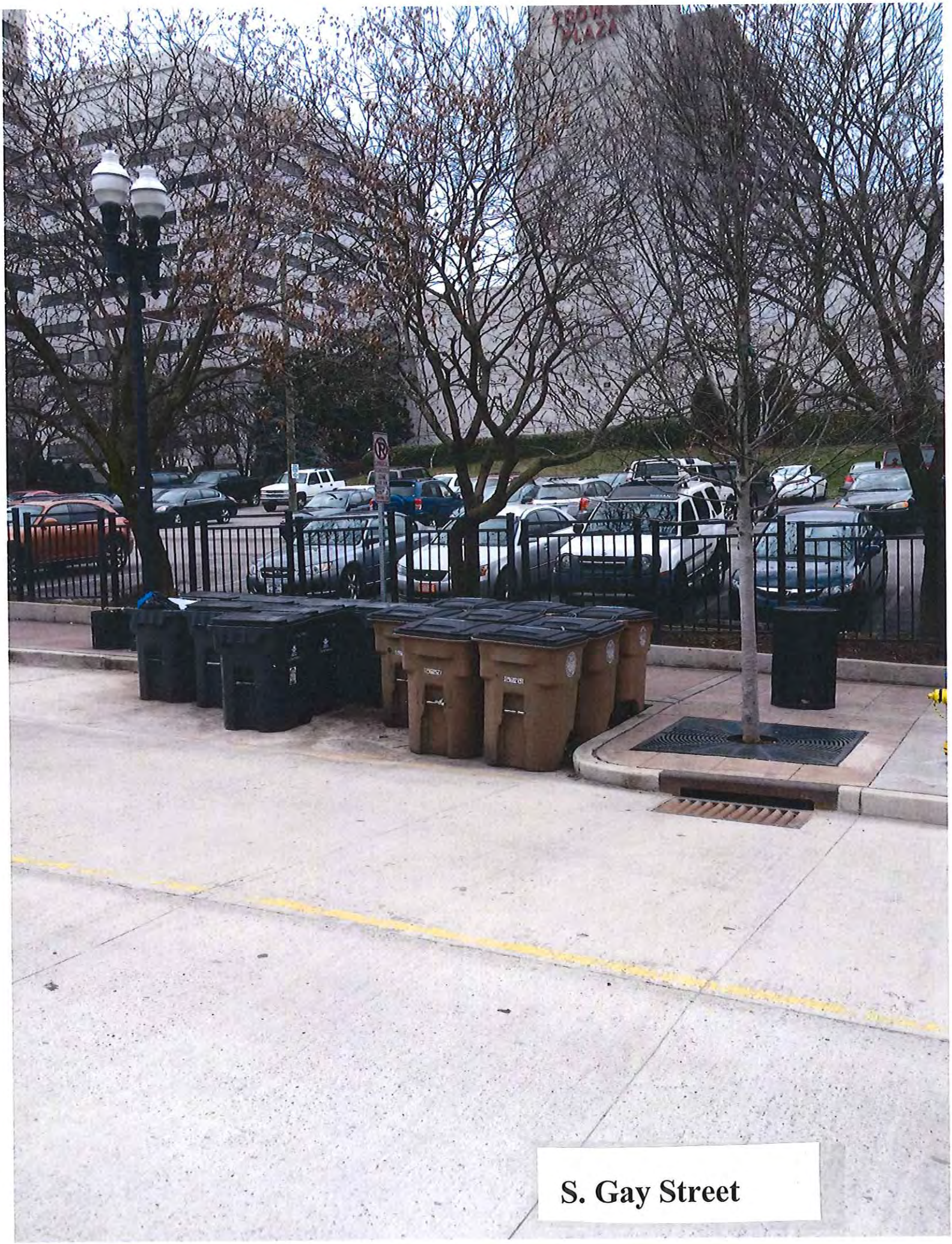
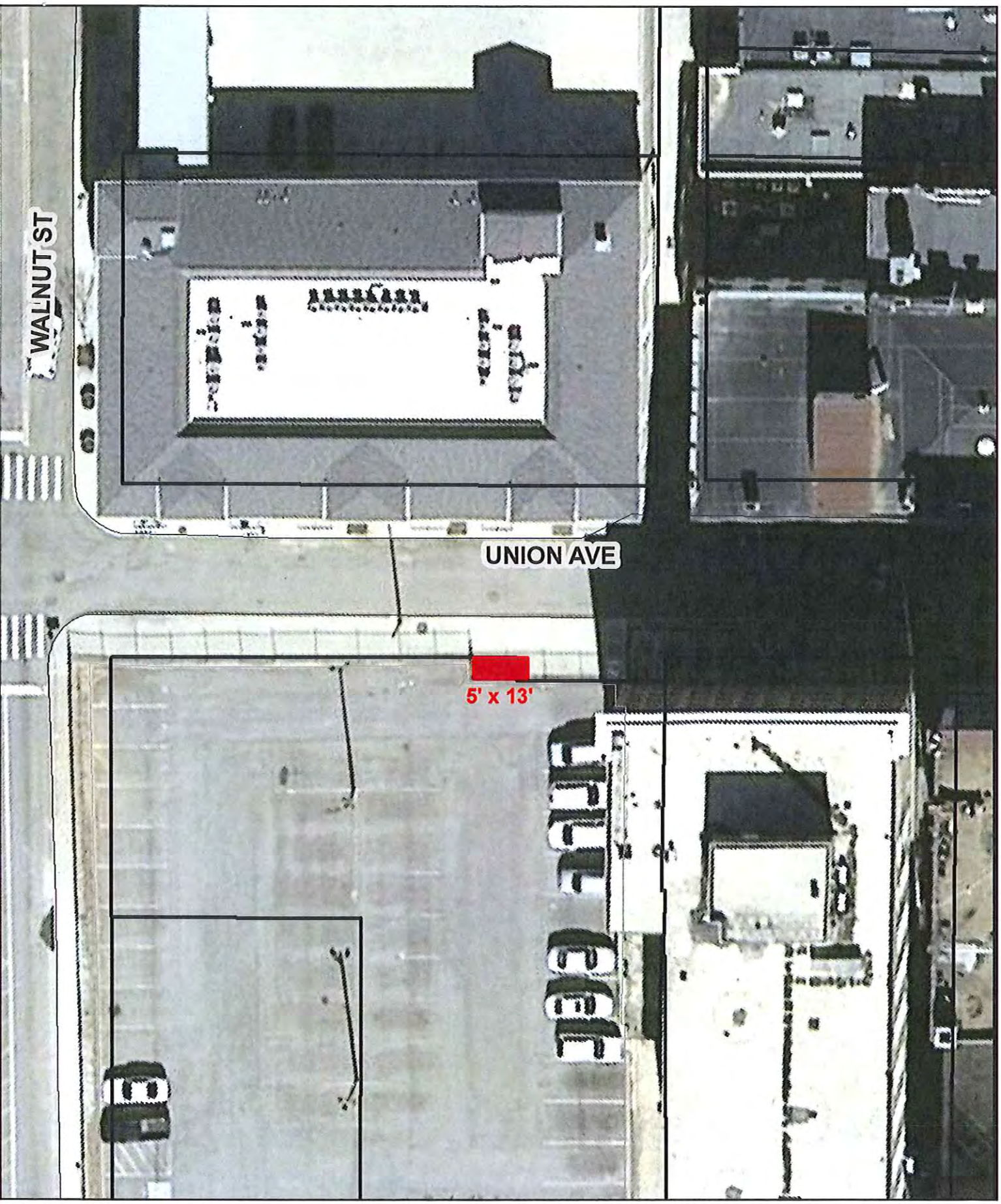
Feet

Gay Street

Garbage Can Enclosure

S. Gay Street


S. Gay Street



N
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E
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0 15 30 60

Feet

Union Avenue

Garbage Can Enclosure


Hilton
Union Avenue


Union Avenue

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with Polyester Powder Coating

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FIXED LOUVER FENCING

VENETIAN®

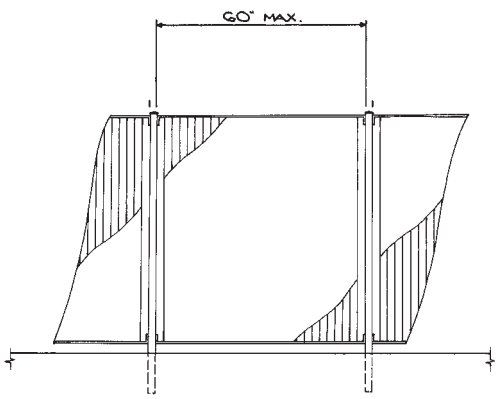
Venetian® Aluminum

Characteristics
The fixed louver Venetian Design allows 100% visual screening in any direction and still allows airflow for ventilation.

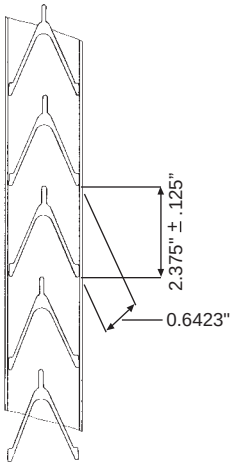
Applications:
Because Venetian Design allows 100% visual screening in any direction, screening of equipment, trash enclosures, parking garages, etc. can be achieved by running the louver either vertically or horizontally.

Specify:
Tig welded extruded aluminum Venetian Design has V-shaped extruded aluminum main bars on 2.625" centers with extruded aluminum framing bars. The extrusions are type 6063. The aluminum extrusions are polyester powder coated after fabrication. The Venetian Aluminum design weight is 3.5 lbs. per square foot.

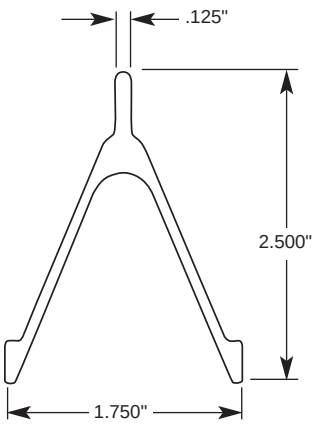
Panel Width



End View



Aluminum Extrusion



All products shown in this catalog are manufactured in Willoughby, Ohio from metal produced in the USA

ECLIPSE®

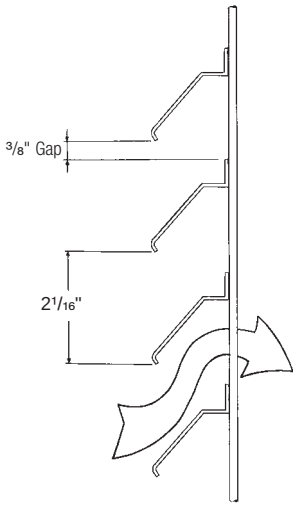
Eclipse® Aluminum

Eclipse® Stainless

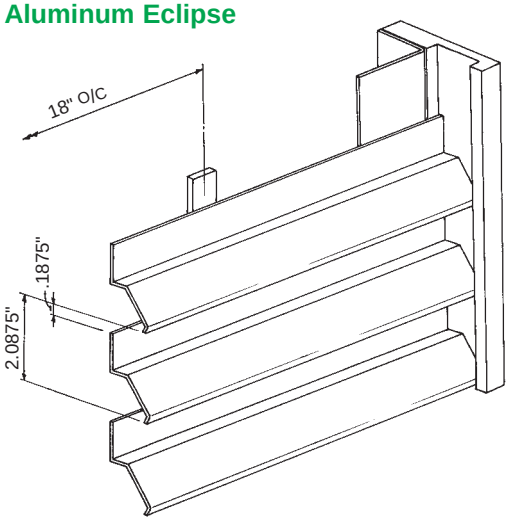
Characteristics
The fixed louver family of Eclipse Design allows 80% and 100% direct visual screening.

Specify:
Extruded Aluminum or Stainless Steel Eclipse design has formed or extruded inclined main bars. Cross bars are on centers up to 18". Eclipse Aluminum is 6063 extrusions. Eclipse Stainless is type 304 stainless. Both are polyester powder coated. The Eclipse Aluminum design weight is 1.3 lbs. per square foot. The Eclipse Stainless Steel is 2.8 lbs. per square foot.

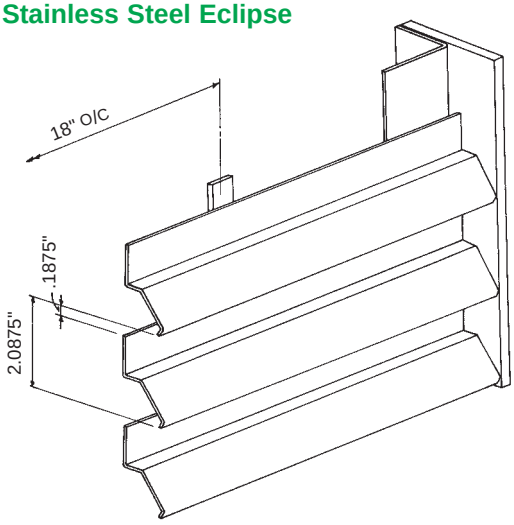
80% Direct Visual Screening



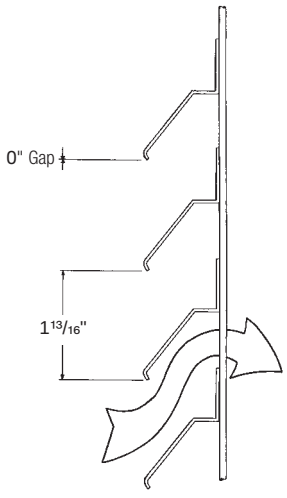
Aluminum Eclipse



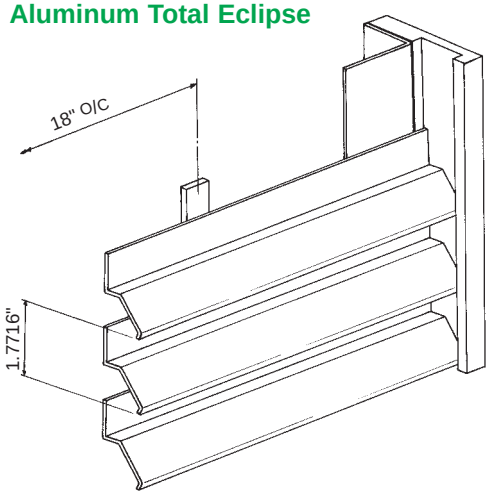
Stainless Steel Eclipse



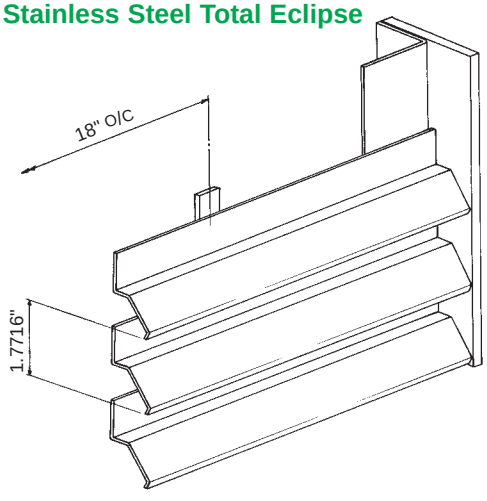
100% Direct Visual Screening



Aluminum Total Eclipse



Stainless Steel Total Eclipse



PHOENIX®

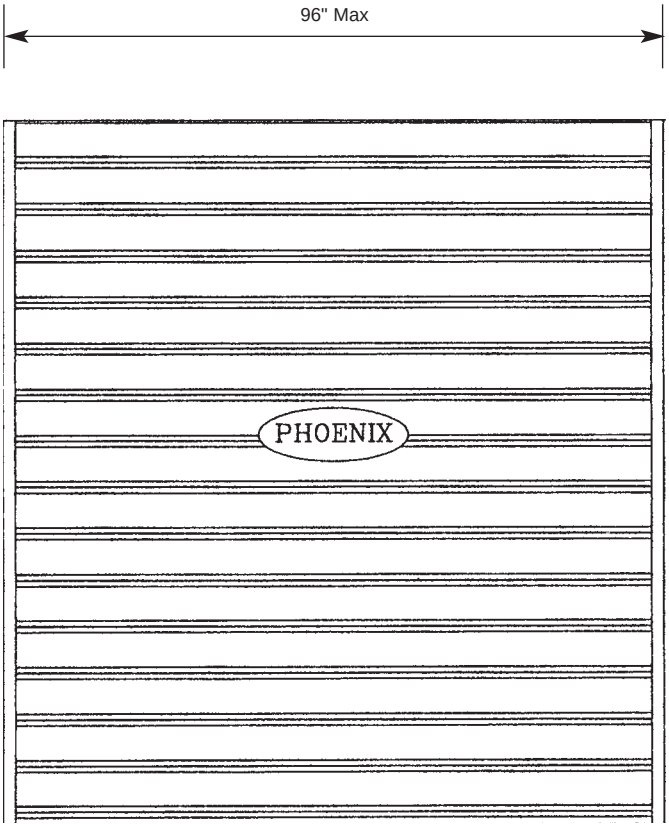
Phoenix® Aluminum

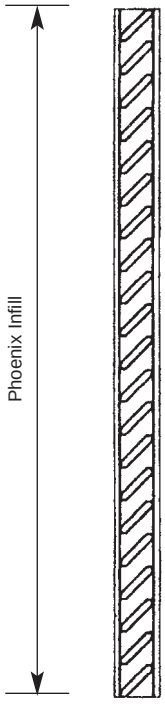
Characteristics
The Phoenix Design allows 80% or 100% direct visual screening.

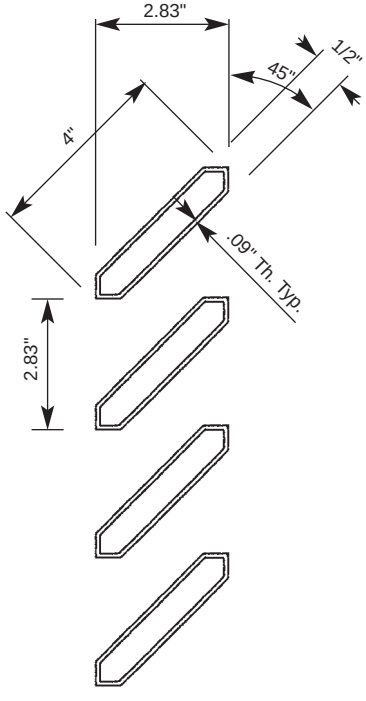
Specify:
The Phoenix Design is the strongest of Ametco's fixed louver fencing and gates. Manufactured from 6063 extruded aluminum louvers, the Phoenix Design can have post centers of 8 foot and still maintain its outstanding strength.

The powder coated aluminum extrusions are maintenance free. The choice of color allows the Phoenix Design fencing and gates to fit perfectly into modern architectural and security applications. The Phoenix Aluminum design weight is 4 lbs. per square foot.

AMETCO PHOENIX DESIGN
USED HORIZONTALLY AS PICTURED







Patent No. US D535,760 S

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