

# CUT SHEETS

# ARCHITECTURAL MATERIALS

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## **Certificate of Appropriateness for: Littleton Mixed Use**

2679 West Main Street – Littleton, Colorado 80120

January 27, 2017 Case # COA16 - 0003

**LAI** Design Group

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BRICK 1  
CHEROKEE ROMAN SMOOTH  
CLOUD CERAMICS

Home Brick Matching Projects Sizes How to Order About Us LEED Contribution

**BROWSE OUR BRICK**

Cherokee  
*brick 1*

Styles

- Overview
- Architectural
- Residential
- Paving Units

Colors

- Overview
- Bufs
- Browns
- Reds
- Pinks
- Ironspots
- Greys

Textures

TEST REPORT-CL BURG 2013>  
MSDS Information>  
Cleaning Recommendations>

**Textures:**

- Antique
- Shadowtex
- Velour
- Vertex
- Wiretex
- Smooth *←*

**Sizes:** Closure  
Kingsize  
Modular  
Norman *←*  
Roman  
Utility

**Grout Selection - Mushroom Grout**

[raw]

CAD-ready texture tile with White grout [Download](#)

Click for larger image

[/raw]

Phone: 785-243-1284

Fax: 785-243-1287

Mail: Cloud Ceramics  
PO Box 369  
Concordia, KS 66901

Standard 3/8" Concave Mortar Joint

**Projects that use this brick**

? How do I place an order?

Colors shown are intended as a guide only and may vary. To ensure color accuracy call for a sample.  
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[info@cloudceramics.com](mailto:info@cloudceramics.com)

web@print

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Architecture

Planning & Entitlements

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Real Estate Advisory

BRICK 2  
CRIMSON IRONSPOT ROMAN SMOOTH  
CLOUD CERAMICS

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**BROWSE OUR BRICK**

Styles

Overview

Architectural

Residential

Paving Units

Colors

Overview

Bufs

Browns

Reds

Pinks

Ironspots

Greys

Textures

Phone:  
785-243-1284

Fax:  
785-243-1287

Mail:  
Cloud Ceramics  
PO Box 369  
Concordia, KS 66901

**Crimson Ironspot**

brick 2

[TEST REPORT-CL TERRA 2013>](#)  
[MSDS Information>](#)  
[Cleaning Recommendations>](#)

**Textures:**

Shadowtex

Smooth

Velour

Vertex

Wiretex

**Sizes:**Closure

Kingsize

Modular

Norman

Roman


Utility


4" x 8" x 2 1/4 Paver

4" x 8" x 2 1/4 Chamfered Paver

Standard 3/8" Concave Mortar Joint


**Projects that use this brick**




 How do I place an order?

[raw]

**Grout Selection - Mushroom Grout**




CAD-ready texture tile with White grout [Download](#)



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# BRICK 3

## SAHARA LIGHT BUFF CLOSURE VELOUR

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BROWSE OUR BRICK

Styles

Overview

Architectural

Residential

Paving Units

Colors

Overview

Bufs

Browns

Reds

Pinks

Ironspots

Greys

Textures

TEST REPORT-CL BUFF 2013

MSDS Information>

Cleaning Recommendations>

Textures:

Rockface

Shadowtex

Velour

Vertex

Wiretex

Sizes:

Closure

Kingsize

Modular

Norman

Roman

Utility

Phone:

785-243-1284

Fax:

785-243-1287

Mail:

Cloud Ceramics

PO Box 369

Concordia, KS 66901

Sahara light buff brick 3

Grout Selection - Mushroom Grout

CAD-ready texture tile with White grout

Download

Click for larger image

Standard 3/8" Concave Mortar Joint

Projects that use this brick

How do I place an order?

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Architecture

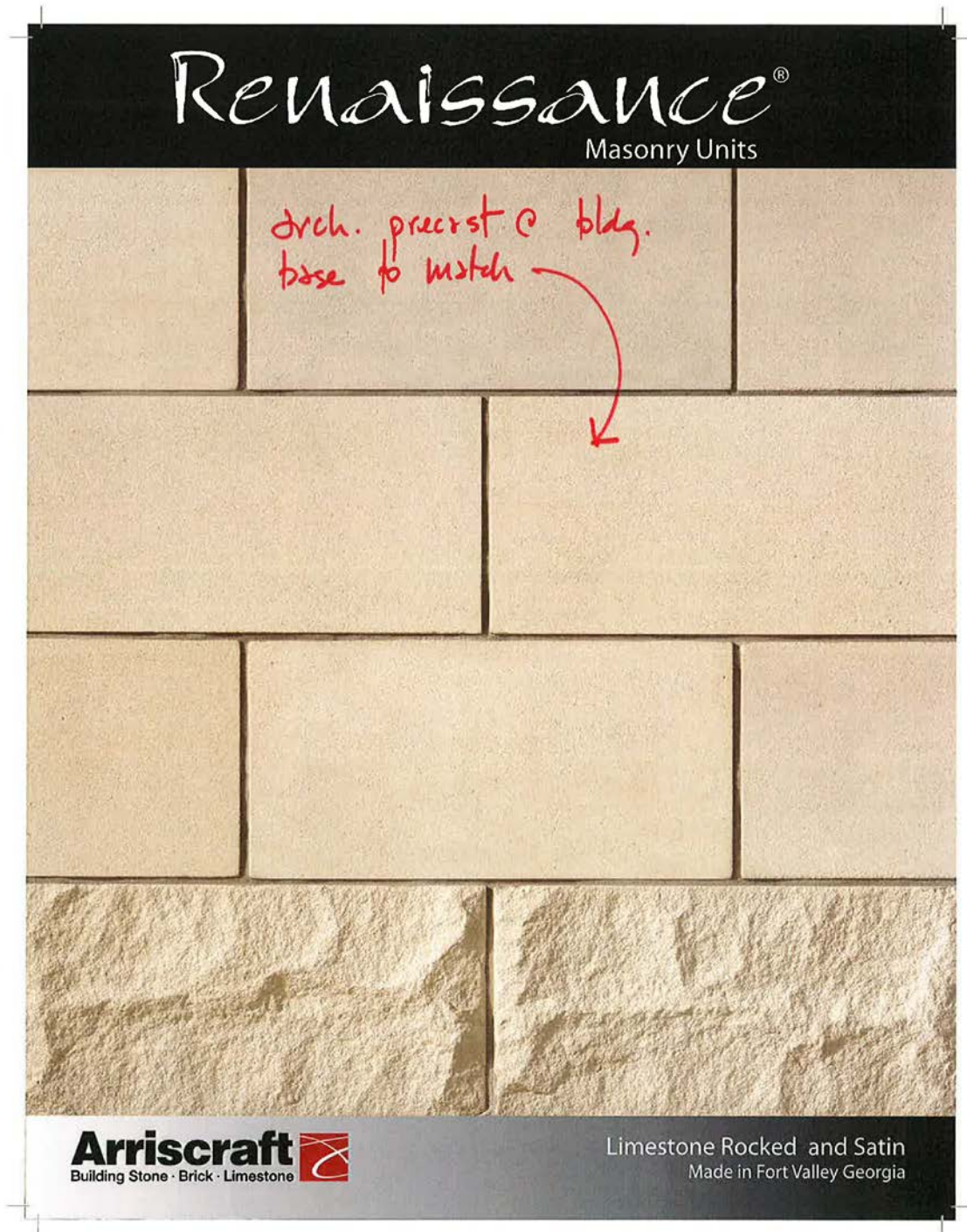
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ARCHITECTURAL PRECAST  
CONCRETE PANELS  
COLOR: OAK RIDGE  
CHAMFER / SMOOTH FINISH



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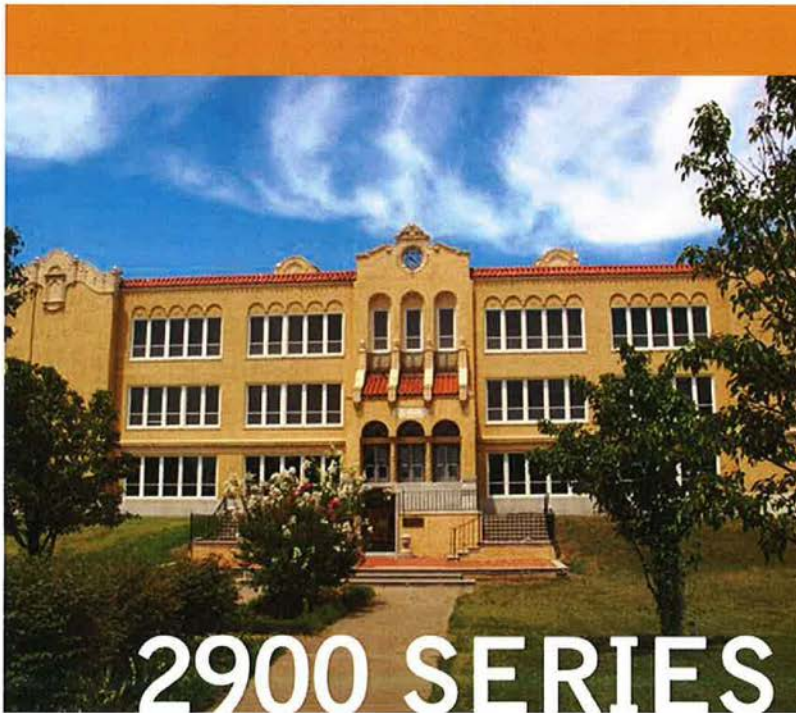
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COLOR:  
MEDIUM BRONZE



## 2900 SERIES

### 2 1/2" ARCHITECTURAL GRADE

Fixed, Projected, and Casement Window System  
(F-AW100, AP-AW80, C-AW80)

This heavy duty window system was designed for the "flush" appearance of the sash and frame with a beveled "historical replica" exterior glazing leg. The sightline of the fixed main frame is 1 1/2". The 2900 series carries AAMA Architectural Window Class (AW) Certification. The frame and operating sash depths are 2 1/2". Multiple snap trim sizes are available. Perimeter receptor systems and a full range of panning (standard and/or custom) are also available. The flush sash design minimizes air infiltration. Principal wall members are .125" thick at structural areas. Main frame sashes use mechanically joined, angle reinforced, mitered corner construction. Square interior removable glass stops accommodate 1" glazing infills. This product and its accessories employ an integral structural thermal barrier that maximizes thermal performance. Applied muntins complete the historical look of both wood and steel windows.

#### FEATURES

- Structurally tested per ANSI/AAMA 101
- Life cycle tested per AAMA 910
- Forced Entry Resistance Level 10
- Flush vent construction
- Integral structural thermal barrier
- Beveled Historical replica exterior glazing leg
- Dual EPDM weathering at operating sash
- Angle reinforced vent corner joinery
- Pre-glazed at factory
- 1" glazing infills
- Equal or unequal leg frames
- Vertical or horizontal stacking
- Full range of anodized finishes
- Full range of architectural painted finishes
- Spandrel and composite glazing panels
- Extruded screen frames
- Aluminum screen wire
- Wide variety of locking, operating, and hinging hardware
- True, applied, and between glass muntins
- Hermetically sealed units integral blinds
- Custom configurations with standard details
- Standard/custom panning systems
- Interior snap trims

2900

800 Hayes Drive  
Manhattan, KS 66502  
Phone: (800) 642.1488  
Fax: (800) 576.1656



11000 East 51st Ave., Suite B  
Denver, CO 80239  
Phone: (888) 642.1488  
Fax: (303) 375.0669

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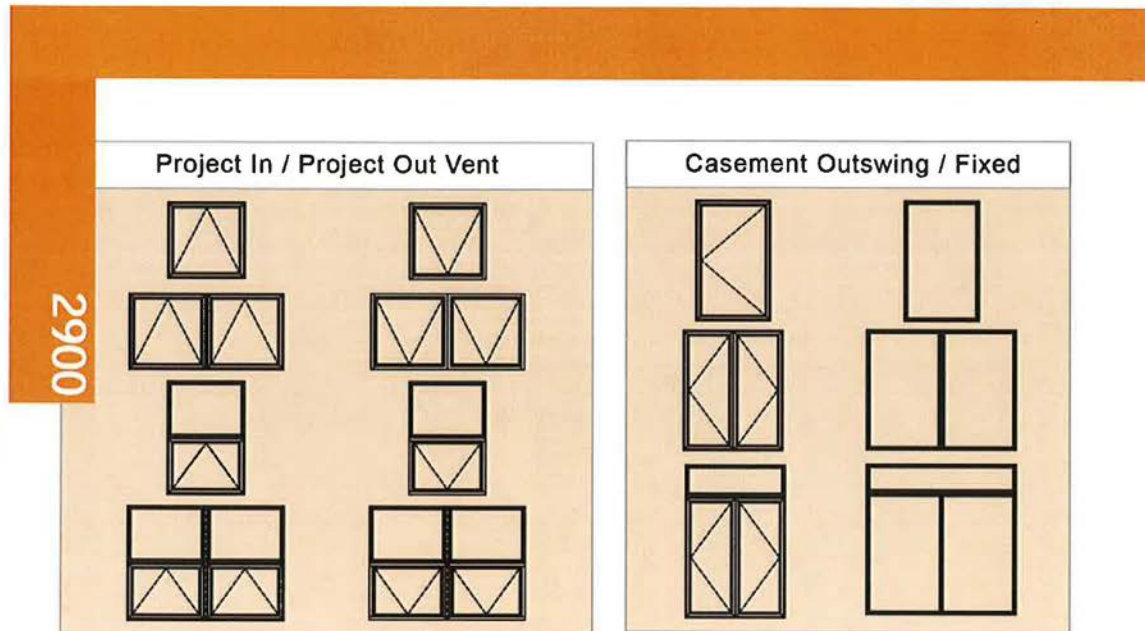
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COLOR:  
MEDIUM BRONZE



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#### AAMA PERFORMANCE RESULTS

	AAMA/ NWWDA 101/ I.S.2-97 Rating	Air Infiltration	Minimum Water Resistance	Uniform Structural Load	Forced Entry Resistance
Project In	AP-AW80	.1 CFM	12 PSF	120 PSF	Level 10
Project Out	AP-AW80	.1 CFM	12 PSF	120 PSF	Level 10
Casement	AP-AW80	.1 CFM	12 PSF	120 PSF	Level 10
Fixed	F-AW100	.1 CFM	12 PSF	150 PSF	N/A

▲ Minimum Gateway performance values listed. All testing met or exceeded listed values. Consult factory for actual test results obtained and certified test reports.

▲ Windows can be inside or outside glazed (inside glazing is strongly recommended unless absolutely necessary) with an extruded aluminum snap-in glazing bead.

#### 2900 SERIES HARDWARE OPTIONS

	4 Bar Hinge	Butt Hinge	Friction Adjuster	Key Release Limit Arm	Single Arm Roto Operator	Dual Arm Roto Operator	Cam Handle	Pole Ring Cam	Access Controlled Lock	Lift Lock	Glazing Options
Project In	S		O	O			S	O	O		1"
Project Out	S		O	O		O*	S	O	O	O*	1"
Casement Outswing Butt Hinges		S	O	O	S*		O		O	S	1"
Casement Outswing 4-Bar Hinge	S		O	O			S		O		1"
Casement Inswing Butt Hinges		S	S	O			S		O		1"
Casement Inswing 4-Bar Hinges	S		O	O			S		O		1"

\* = size limitations apply

S = Standard Hardware O = Optional Hardware

▲ Locking cam handles, access controlled locks, and keepers are of cast white bronze with US26D finish. Four-bar hinges are fabricated of stainless steel, meeting AAMA 904.1 requirements. Butt hinges are made of extruded aluminum 6063-T6 alloy with stainless steel pins.

Feb 2009

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COLOR:  
MEDIUM BRONZE



## ALUMINUM FLUSH GLAZED STOREFRONT

450 series 13/4" x 4 1/2" Non Thermal | 1450 series 2" x 4 1/2" Non Thermal  
2450 series 2" x 4 1/2" Center Glazed Thermal | 2450 FS series 2" x 4 1/2" Front Glazed Thermal  
2650 series 2" x 6 1/2" Offset Glazed Thermal | 5450i series 2 1/4" x 4 1/2" Center Glazed Isobar

Manko's flush glazed storefront systems can accommodate a wide variety of design applications including entrance door framing, entrance sidelites, horizontal punched opening, and mullions for ribbon windows. Need ventilation? No problem. Insert an 800 or 1100 series projected vent. Flush glazed storefronts are part of a lineal program designed for installers to fabricate their own openings to reduce lead times and meet construction schedules. These systems are dry glazed and internally weeped. If you are designing a low cost framing system that requires a fast installation schedule, then storefront framing will answer the call.

### FEATURES

- Structurally tested per ANSI/AAMA 101
- 1 3/4" to 2 1/4" sightlines
- 4 1/2" and 6 1/2" frame depths
- Screw spline construction
- EPDM gaskets provide dry glazing
- 6063-T5 or 6063-T6 aluminum alloy
- .078" wall thickness
- Integral framing accommodates storefront doors installed in system
- Optional 90 corner mullions
- Window vent options provide ventilation
- 1/4" to 1 1/8" glazing infills
- Sill starter and head receptor options
- Vertical expansion joint mullions
- "Azo-braided" thermal barrier
- Full range of anodized finishes
- Full range of architectural painted finishes
- Spandrel and composite glazing panels
- Dual glazing integral blinds
- Inside or outside glazing
- Multi-plane glazing
- Pivoting mullions

Storefront Framing

800 Hanco Drive  
Manchester, NH 03102  
Phone: (603) 642.1400  
Fax: (603) 576.2659



1000 East 51st Ave., Suite A  
Denver, CO 80219  
Phone: (303) 642.1400  
Fax: (303) 576.2659

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[www.mankowindows.com](http://www.mankowindows.com)  
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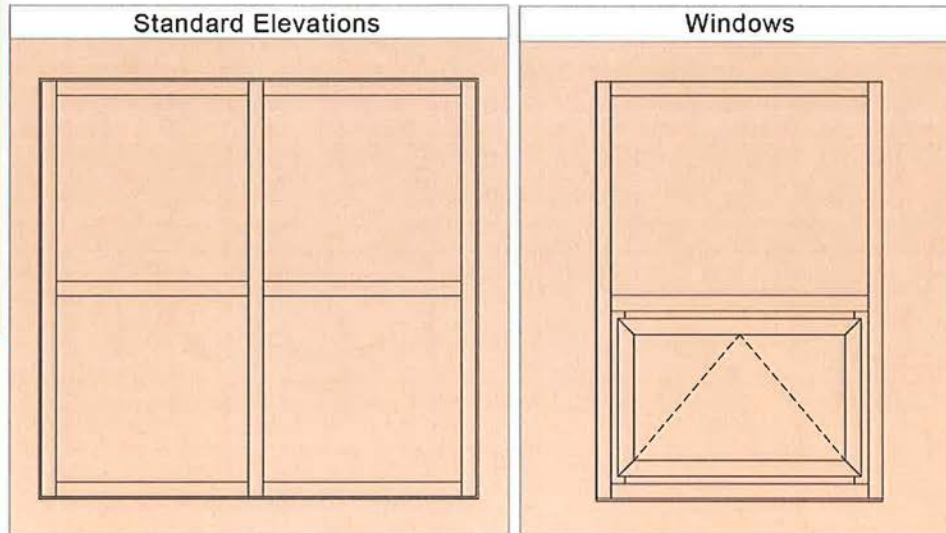
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COLOR:  
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Storefront Framing



Please visit: [www.mankowindows.com](http://www.mankowindows.com) for DWG and PDF detail cuts

AAMA PERFORMANCE RESULTS				
	Air Infiltration	Minimum Water Resistance	Uniform Structural Load	CRF
450 Series	N/T	N/T	N/T	N/T
1450 Series	.06 CFM	12 PSF*	60 PSF	N/T
2450 Series	.06 CFM	12 PSF*	60 PSF	61
2450FS Series	.06 CFM	12 PSF*	60 PSF	61
2650 Series	.06 CFM	12 PSF*	60 PSF	62
5450I Series	.06 CFM	12 PSF*	60 PSF	63
Window Vents				
800 Series	.1 CFM	12 PSF	120 PSF	57
1100 Series	.1 CFM	10 PSF	120 PSF	52

\* = high performance sub sill N/T = Not Tested

Minimum Gateway performance values listed. All testing met or exceeded listed values. Consult factory for actual test results obtained and certified test reports.

GLAZING OPTIONS				
	1/4"	3/8"	1"	1 1/8"
450 Series	S	O		
1450 Series	O	O	S	O*
2450 Series	O	O	S	O*
2450FS Series	O	O	S	O*
2650 Series	O	O	S	O*
5450I Series	O	O	S	O*

S = Standard hardware

O = Optional hardware

\* = Glazing options include hermetically sealed integral blinds, swing sash blinds and take out sash blinds

WINDOW HARDWARE									
	4 Bar Hinge	Butt Hinge	Friction Adjuster	Key Release Limit Arm	Single Arm Roto Operator	Cam Handle	Pole Ring Cam	Access Controlled Lock	Lift Lock
800 PO / PI Vent	S		O	O		S	O	O	
800 Casement		S	O	O	S	O		O	S
1100 PO Vent	S		O	O	S*	S	O	O	
1100 Casement		S	O	O	S*	O		O	S

\* = size limitations apply

S = Standard hardware O = Optional hardware

Locking cam handles, access controlled locks, and keepers are of cast white bronze with US26D finish. Four-bar hinges are fabricated of stainless steel, meeting AAMA 904.1 requirements. Butt hinges are made of extruded aluminum 6063-T5 or 6063-T6 alloy with stainless steel pins.

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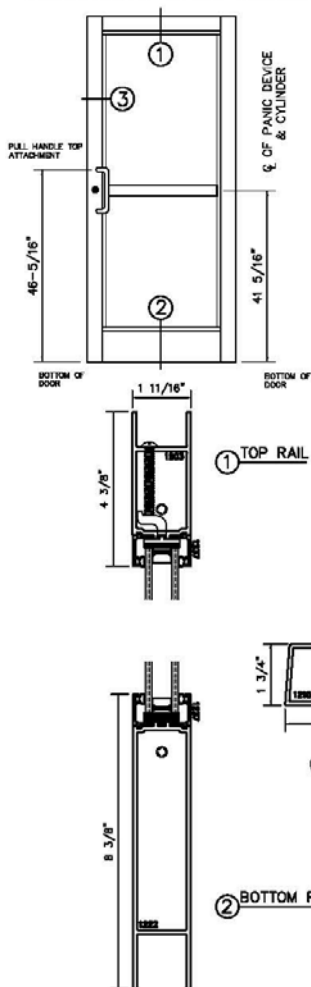
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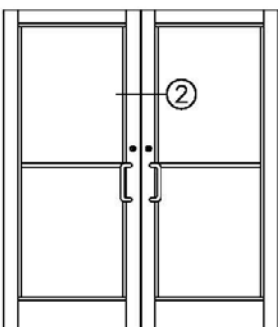
COLOR:  
MEDIUM BRONZE

## STANDARD ENTRANCES DOOR TYPE / SECTION DIMENSION

135 MEDIUM STILE  
3690 CONCEALED EXIT (SHOWN)



STANDARD MEETING RAILS  
135 MEDIUM STILE



## ALUMINUM STOREFRONT SWING DOORS

100 series 2 1/4" Narrow Stile | 135 series 3 11/16" Medium Stile | 150 series 5" Wide Stile  
135H series 3 11/16" Medium Stile Heavy Wall | 150H series 5" Wide Stile Heavy Wall  
135i series 3 11/16" Medium Stile Isobar | 150i series 5" Wide Stile Isobar

Manko's aluminum storefront entrance doors are designed for offices, schools, retail shops, municipalities, churches or any other commercial buildings. These doors are offered in narrow stile, medium stile, and wide stile configurations. When combined with optional rails and intermediates (horizontal and/or vertical), these door systems are flexible enough to meet most design and hardware requirements. The availability of multiple glazing stops allow for the use of a broad range of glazing products. These storefront doors utilize a telescoping mortise and tenon joint coupled with a horizontal shear block. These joints are then further reinforced with a 3/8" steel tie rod and sleeve. This tripled redundancy ensures structural integrity and long term durability. Welded corner construction is also available upon request. Anti Terrorist Force Protection (ATFP) certification can be obtained using these systems (consult factory for details).

## FEATURES

- Structurally tested per ANSI/AAMA 101
- 3-way corner construction (welded upon request)
- Horizontal and vertical midrail options
- 3/16" to 1" glazing infills
- 6063-T5 or 6063-T6 aluminum alloy
- .125 or .187 wall thickness
- 1 3/4" or 2" face dimensions
- Adjustable glass setting blocks
- Double adjustable astragals with poly-pile weathering on pairs
- Standard 1" round offset push-pulls
- Offset pivots, butt hinges, center pivots or continuous geared hinges options
- Maximum security dead bolts, concealed rod panic, or rim panic exit devices
- Doors will accommodate most hardware types
- Full range of anodized finishes
- Full range of architectural painted finishes
- Spandrel and composite glazing panels
- Integral structural thermal barrier on 135i and 150i series

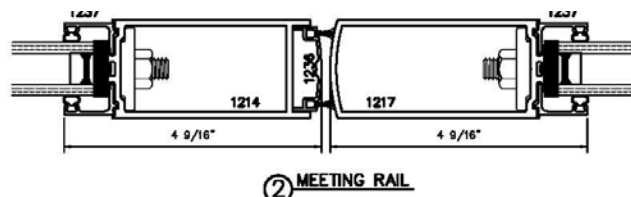
Storefront Doors

800 Hayes Drive  
Manhattan, KS 66502  
Phone: (800) 642.1488  
Fax: (800) 576.2656



11000 East 51st Ave., Suite B  
Denver, CO 80239  
Phone: (888) 642.1488  
Fax: (303) 375.0669

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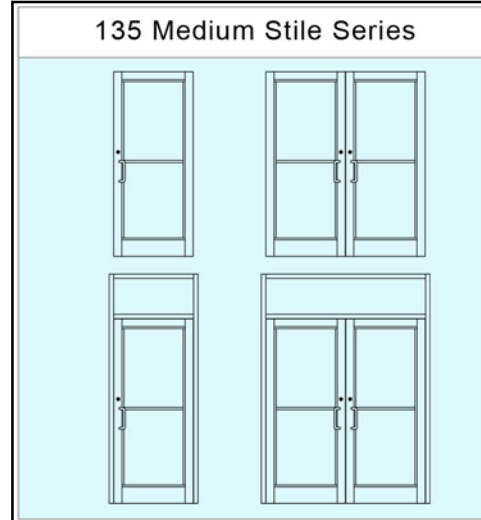
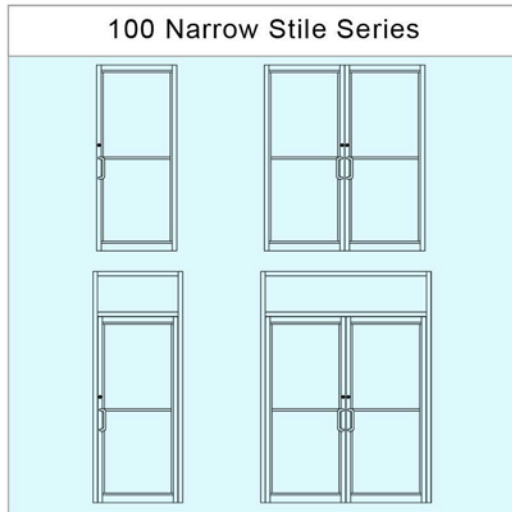
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COLOR:  
MEDIUM BRONZE

Storefront Doors



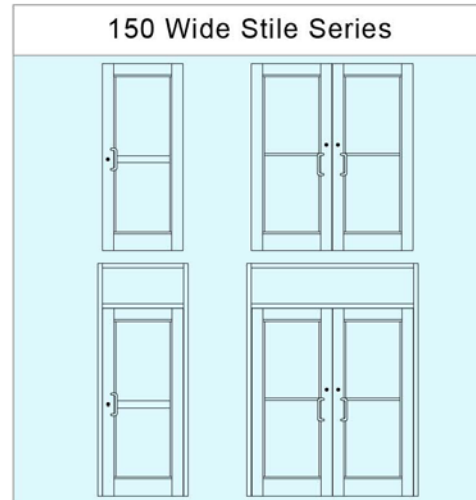
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AAMA PERFORMANCE RESULTS				
	Air Infiltration	Minimum Water Resistance	Uniform Structural Load	CRF
100 series*	.50 CFM	N/A	45 PSF	N/A
135 series*	.50 CFM	N/A	60 PSF	N/A
150 series*	.50 CFM	N/A	60 PSF	N/A
135H series	.50 CFM	N/A	60 PSF	N/A
150H series	.50 CFM	N/A	60 PSF	N/A
135i series	.50 CFM	N/A	60 PSF	N/A
150i series	.50 CFM	N/A	60 PSF	N/A

N/A = Not applicable

▲ Minimum Gateway performance values listed. All testing met or exceeded listed values. Consult factory for actual test results obtained and certified test reports.

\* Single door leaf



DOOR HARDWARE & GLAZING OPTIONS								
	Maximum Security Locking	Concealed Panic Exits	Rim Panic Exits	Vertical Mid Rails	Horizontal Mid Rails	Option 10" Bottom Rail	1/4" Glazing	1" Glazing
100 series	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
135 series	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
150 series	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

▲ Hinging can be offset pivots, butt hinges, continuous hinges or center pivots. Push / pulls are a 1" round offset pull handle and push bars.

Feb 2009

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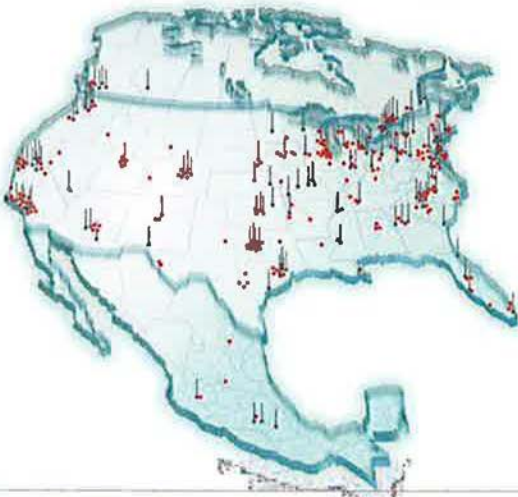
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## Fabricators & Glaziers

## GUARDIAN GLASS INNOVATION AND TECHNICAL SUPPORT



**Guardian Select® Fabricators** SunGuard Advanced Architectural Glass products are produced at multiple U.S. locations and are distributed through a network of independent Guardian Select Fabricators (shown above). These fabricators have completed a rigorous certification process administered by Guardian. Select Fabricators offer comprehensive glass fabrication for commercial projects and typically are able to cut, heat-treat, insulate, laminate, etch-screen and produce spandrel glass. In addition, some Select Fabricators can bend SunGuard coated glass for more complex designs. Select Fabricators provide glass samples for mock ups and typically offer fast-track delivery.

**Glazier Connection™ Members** Guardian's Glazier Connection quickly puts you in touch with glazing contractors that are experienced in installing Guardian high performance coated glass for commercial applications, including all types of facades, curtainwalls, windows, punched openings and commercial windows, spandrel glass, storefronts, and much more. Guardian Glazier Connection members work seamlessly with our Guardian Select Fabricator network of glass fabrication companies to provide you with quick turnaround and expertise, so your project can be completed on time.

To locate a Guardian Select Fabricator or Glazier Connection member near your project site, visit [www.SunGuardGlass.com](http://www.SunGuardGlass.com).

**USGBC LEED Certification** Using SunGuard SuperNeutral, SunGuard High Performance and SunGuard Solar Series glass products can be an important part of obtaining LEED certification in five credit categories: Energy and Atmosphere, Materials and Resources, Indoor Environmental Quality, Innovation and Design Process, and Regional Priority. For a copy of our LEED Brochure, call 1-866-GuardSG (482-7374) or visit [www.SunGuardGlass.com](http://www.SunGuardGlass.com).

**Web Resources at [www.SunGuardGlass.com](http://www.SunGuardGlass.com)** Guardian provides several easy-to-use online tools and resources to help architects specify SunGuard products on our web site at [www.SunGuardGlass.com](http://www.SunGuardGlass.com), including Glass Analytics, a comprehensive suite of tools comprised of a Performance Calculator, BIM Generator, Building Energy Calculator and Glass Visualizer that offers architects and other project specifiers comprehensive tools to evaluate commercial glazing options and their impact on energy use and design; a smartphone app that allows interaction with hundreds of projects worldwide; a searchable commercial building project database; a SunGuard performance comparison tool; a Guardian Select Fabricator locator and a Glazier Connection member locator.

**3-Part Specifications** Guardian's SunGuard specifications in standard CSI 3-part format are available from your Guardian Architectural Design Manager (ADM) and at [www.SunGuardGlass.com](http://www.SunGuardGlass.com). ARCOG, the exclusive publisher of AIA (the American Institute of Architects) MASTERSPEC®, has authorized Guardian to offer a licensed version of PRODUCT MASTERSPEC on the SunGuard Web site and, for AIA members, on the AIA website. In addition, you can find SunGuard specifications online at BSO SpecLink and AIA/CES.

**AIA/CES Presentations** Guardian Glass participates in the American Institute of Architects Continuing Education System (AIA/CES) by providing seminar presentations, some of which qualify for Health, Safety and Welfare credits. Whether you are interested in basic commercial glass knowledge, glass from an energy conservation perspective or current applications for laminated glass, we can provide you with helpful information regarding design using glass. Call 1-866-GuardSG (482-7374) or your local SunGuard Architectural Design Manager to arrange a time and place for a seminar presentation. In addition, a number of these presentations can be accessed on the McGraw-Hill Construction Continuing Education Center online.

### Technical Support Hotline: 1-866-GuardSG (482-7374)

Technical support is always available from your Architectural Design Manager (ADM) and/or Regional Technical Advisor (RTA). For technical or product information, please call our Technical Support Hotline to find the technical specialist in your area. Some areas where we can help are:

- solar, thermal or acoustical performance of coated glass
- computer-based wind load and thermal stress analysis program
- product availability and specification information
- architectural glass sample boxes and 12" x 12" samples

## SUNGUARD® Advanced Architectural Glass

### PERFORMANCE DATA – SUPERNEUTRAL

Product	Outboard, Inboard Substrate	Appearance	Visible Light Transmittance (%)	U-Value (BTU/hr·ft²·°F)	Light to Skin Coefficient (LSC)	Light to Skin Coefficient (LSC)
<b>SunGuard SuperNeutral</b>						
Coating #2 Surface						
UltraClear - UltraClear	Ultra Clear	Clear	44	8	24	11
Green - Clear	Green	Clear	52	3	18	9
TwilightGreen - Clear	Dark Green	Clear	46	2	16	8
CrystalGray - Clear	Light Gray	Clear	44	3	16	8
Gray - Clear	Gray	Clear	41	3	12	6
CrystalBlue - Clear	Blue	Clear	40	4	15	7
UltraClear - UltraClear	Light Blue	Clear	53	14	20	14
Green - Clear	Blue-Green	Clear	51	11	19	14
TwilightGreen - Clear	Dark Green	Clear	43	5	15	11
CrystalGray - Clear	Light Gray	Clear	38	3	13	10
Gray - Clear	Gray	Clear	36	6	14	9
CrystalBlue - Clear	Blue	Clear	26	5	10	7
UltraClear - UltraClear	Ultra Clear	Clear	71	40	37	11
Green - Clear	Green	Clear	68	30	33	11
TwilightGreen - Clear	Dark Green	Clear	57	13	23	9
CrystalGray - Clear	Light Gray	Clear	51	9	20	8
Gray - Clear	Gray	Clear	48	17	23	8
CrystalBlue - Clear	Blue	Clear	34	13	18	6
UltraClear - UltraClear	Ultra Clear	Clear	41	19	23	11
Green - Clear	Green	Clear	55	22	26	13
TwilightGreen - Clear	Dark Green	Clear	54	16	24	13
CrystalGray - Clear	Light Gray	Clear	45	7	17	11
Gray - Clear	Gray	Clear	41	4	15	10
CrystalBlue - Clear	Blue	Clear	27	7	13	7
UltraClear - UltraClear	Ultra Clear	Clear	35	10	16	8
Green - Clear	Green	Clear	43	24	21	14
TwilightGreen - Clear	Dark Green	Clear	38	8	14	11
CrystalGray - Clear	Light Gray	Clear	31	9	13	16
Gray - Clear	Gray	Clear	22	8	10	13
CrystalBlue - Clear	Blue	Clear	28	11	13	14

#### NOTES RELATED TO ALL SUNGUARD PERFORMANCE TABLES

- The performance values shown are nominal and subject to variations due to manufacturing tolerances.
- All coatings are on the #2 surface unless noted otherwise.
- Guardian performance data are calculated for center of glass only (no spacer or framing) in accordance with the LBN Window 7 program.
- Relative Heat Gain, Strong Coefficient, Solar Heat Gain Coefficient and/or LSC may change slightly when using argon gas fill.
- Glass may require heat treatment or tempering to resist potential thermal stresses. SNR 43 must be heat treated.
- A light shift in visible light transmittance or thermal stress may be noticed after heat treatment.
- Guardian recommends edge detection for all commercial low-E coatings.
- Guardian reserves the right to change product performance characteristics without notice or obligation.

## SUNGUARD® Advanced Architectural Glass

### PERFORMANCE DATA – HIGH PERFORMANCE & SOLAR

Product	Outboard, Inboard Substrate	Appearance	Visible Light Transmittance (%)	U-Value (BTU/hr·ft²·°F)	Light to Skin Coefficient (LSC)	Light to Skin Coefficient (LSC)
<b>SunGuard High Performance</b>						
Coating #2 Surface - except where noted (R)						
UltraClear - UltraClear	Ultra Clear	Clear	81	54	66	13
Green - Clear	Green	Clear	78	39	55	13
TwilightGreen - Clear	Dark Green	Clear	81	54	66	13
CrystalGray - Clear	Light Gray	Clear	78	39	55	13
Gray - Clear	Gray	Clear	60	31	37	21
CrystalBlue - Clear	Blue	Clear	50	13	23	16
UltraClear - UltraClear	Ultra Clear	Clear	80	31	37	21
Green - Clear	Green	Clear	50	13	23	16
TwilightGreen - Clear	Dark Green	Clear	50	13	23	16
CrystalGray - Clear	Light Gray	Clear	50	13	23	16
Gray - Clear	Gray	Clear	42	13	20	13
CrystalBlue - Clear	Blue	Clear	40	27	25	21
UltraClear - UltraClear	Ultra Clear	Clear	34	11	16	16
Green - Clear	Green	Clear	52	43	33	28
TwilightGreen - Clear	Dark Green	Clear	50	30	29	27
CrystalGray - Clear	Light Gray	Clear	42	12	18	13
Gray - Clear	Gray	Clear	25	12	16	10
CrystalBlue - Clear	Blue	Clear	32	17	20	14
UltraClear - UltraClear	Ultra Clear	Clear	45	38	30	15
Green - Clear	Green	Clear	43	26	26	15
TwilightGreen - Clear	Dark Green	Clear	36	11	16	22
CrystalGray - Clear	Light Gray	Clear	30	14	18	17
Gray - Clear	Gray	Clear	21	11	15	11
CrystalBlue - Clear	Blue	Clear	28	15	18	15
<b>SunGuard Solar</b>						
Silver 20	Clear - Clear	Silver	18	16	14	30
Neutral 20 (R)	Clear - Clear	Clear	15	7	8	23
<b>Other Guardian Low-E Products</b>						
Clear	Clear	Clear	73	45	49	12
Neutral 20 (R)	Clear - Clear	Clear	72	45	49	12

### PERFORMANCE DATA WITH SUNGUARD IS 20

Product	Outboard, Inboard Substrate	Appearance	Visible Light Transmittance (%)	U-Value (BTU/hr·ft²·°F)	Light to Skin Coefficient (LSC)	Light to Skin Coefficient (LSC)
<b>SunGuard SuperNeutral + IS 20</b>						
Coating #2 IS 20 #4 Surface						
UltraClear - UltraClear	Ultra Clear	Clear	42	8	24	12
Green - Clear	Green	Clear	51	13	20	14
TwilightGreen - Clear	Dark Green	Clear	50	10	18	14
CrystalGray - Clear	Light Gray	Clear	49	37	36	12
Gray - Clear	Gray	Clear	66	29	32	12
CrystalBlue - Clear	Blue	Clear	54	20	25	14
UltraClear - UltraClear	Ultra Clear	Clear	52	15	23	14
Green - Clear	Green	Clear	43	22	20	15
TwilightGreen - Clear	Dark Green	Clear	42	17	18	28
CrystalGray - Clear	Light Gray	Clear	42	17	18	28
Gray - Clear	Gray	Clear	42	17	18	28
CrystalBlue - Clear	Blue	Clear	42	17	18	28

#### NOTES SPECIFIC TO THE SUNGUARD SUPERNEUTRAL + IS 20 TABLE ABOVE:

- Coating #2 IS 20 on #4 surface.

## GUARDIAN SUNGUARD ADVANCED ARCHITECTURAL GLASS

## Certificate of Appropriateness for: Littleton Mixed Use

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January 27, 2017 Case # COA16 - 0003

## LAI Design Group

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# SHEET METAL SUN VISORS, EYE BROWS AND METAL WALL SHINGLES (PRODUCT) FLAT LOCK PANEL SYSTEM

PURE+FREEFORM

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metal shingle product

PURE+FREEFORM

Architectural Metal Walls & Ceilings

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CORPORATE

Q 8530 Eagle Point Blvd, Ste 100

, info@purefree

X Monday - Friday 8:00

V 612.208

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Architecture ■

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Real Estate Advisory ■

SHEET METAL SUN VISORS, EYE BROWS  
AND METAL WALL SHINGLES (COLOR)  
PURE + FREEFORM



COLOR: GILDED RUST

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# ARCHITECTURAL SCREEN ADJACENT PARKING / DRIVE AISLE

COLOR:  
MEDIUM BRONZE

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# McNICHOLS

Industrial & Architectural Hole Product Solutions since 1952

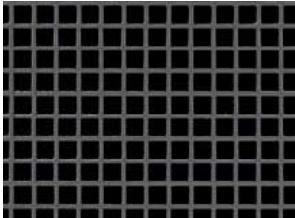
PRODUCTS | DESIGNER | SERVICES | LOCATIONS | RESOURCES | GALLERY | CONTACT US | CAREERS | CATALOGS

You Are Here: Home > Perforated > Decorative > Item Detail

LOGIN | My Cart (0)


**You have Selected:** McNICHOLS Quality Decorative Perforated, 20 Gauge Plain Steel, Hanover Square, 48.0000" x 120.0000"


**Perforated**  
Decorative [Remove]



**Continue Narrowing By:**

- Class**  
Designer (44)
- Major Material**  
Aluminum (16)  
Plain Steel (29)
- Minor Material**  
Cold Rolled (29)  
Type 3003-H14 (14)  
Type 5052-H32 (2)
- Gauge (Thickness)**  
.032 (6)  
.040 (7)  
.063 (3)  
11 (1)  
16 (2)  
20 (19)  
22 (6)  
24 (1)
- Pattern Name**  
Classic (2)  
Gothic (2)  
Majestic 1" - 40% (5)  
Airline (6)  
Full Cloverleaf (5)  
> See more...
- Surface Finish**  
Mill (45)
- Percent Open Area**  
35 (6)  
36 (4)  
39 (2)  
40 (7)  
45 (6)  
> See more...
- Width**  
36.0000 (41)  
48.0000 (4)
- Length (Span for Grating)**  
24.0000 (17)  
40.0000 (1)  
48.0000 (3)  
96.0000 (15)  
120.0000 (9)
- SKU Type**  
Each (21)  
Sheet (24)


 Print Item Specifications

 Email Item Specifications

Item	Description
1695142041	McNICHOLS® Quality Perforated Metal, Designer, Plain Steel Cold Rolled, 20 Gauge, Hanover Square Pattern, 64 % Open Area, Sheet , 48.0000" Width X 120.0000" Length

Quantity	Price	SKU
1 - 7	\$263.20	Sheet
8 - 15	\$238.00	Sheet
16 - 22	\$192.40	Sheet
23 +	Request Quote	

Quantity :


 ADD TO CART

[Click here to cut this item to size](#)

**Item Specs** | Drawings | Load Tables | Accessories | Options | Applications | Packaging

Characteristics for this product are listed below.

HS Item Number	1695142041
Product Line :	Perforated
Product Type :	Decorative
Weight :	0.54 #/SF
Class :	Designer
Trade Name :	McNICHOLS®
Major Material :	Plain Steel
Minor Material :	Cold Rolled
Gauge (Thickness) :	20
Pattern Name :	Hanover Square
Surface Finish :	Mill
Percent Open Area :	64
Width :	48.0000
Length (Span for Grating) :	120.0000
SKU Type :	Sheet
Margins Parallel to Length :	Min Safe Both Sides
End Pattern :	None
Margins Parallel to Width :	Sheared Through

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Real Estate Advisory

SW 7504  
**Keystone Gray**  
Interior / Exterior  
Locator Number: 243-C4

# CEMENT BOARD SIDING WITH REVEALS SHERWIN WILLIAMS: KEYSTONE GRAY SW7504

## Hardie® Reveal® Panel System

### Embody a modern aesthetic

Get the look you are after with the solution that offers design flexibility. The Hardie® Reveal® Panel system can be utilized to create an effective modern, durable, panelized look.

A system of components specifically developed for multi-family and light commercial construction. If your project calls for a panelized look — the Hardie Reveal Panel system offers the design flexibility you need.

Beginning with a commercial grade panel developed for multi-family and light commercial applications, the Hardie Reveal Panel system is a complete solution for creating a panelized look. Eliminate the guesswork in creating this look with the Hardie Reveal Panel system, with all parts including panels and trims supplied by James Hardie. Check for availability and call us to request a James Hardie Preferred Installer when specifying the Hardie Reveal Panel system.

For details about technical  
information and specs, visit  
[JamesHardieCommercial.com](http://JamesHardieCommercial.com)



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SW 7504  
**Keystone Gray**  
Interior / Exterior  
Locator Number: 243-C4

# CEMENT BOARD SIDING WITH REVEALS SHERWIN WILLIAMS: KEYSTONE GRAY SW7504



[JamesHardieCommercial.com](http://JamesHardieCommercial.com)

## Hardie® Reveal® Panel System

### Design Freedom

- Horizontal or vertical application
- 7/16" thick, commercial grade panels
- Cleaner look with fewer fasteners (approximately 14-21 per 4' x 8' panel)
- Standard panel size is nominal 4' x 8' and can be cut on-site to desired size
- Panels available with ColorPlus® Technology
- Panels can be cut on-site to desired size

### Unique Aesthetic

- Sharp express joint look with deep shadow lines
- Smooth panel look with exposed fasteners
- Trims and fasteners can be field painted or left with a metal finish
- Off-stud jointing solution provides design flexibility

### Proven James Hardie Durability

- Engineered for Climate® to stand up to the demands of your project's specific climate
- Commercial panel developed specifically for use in multi-family, mixed use, senior living and light commercial facilities
- Ventilated rain screen assembly incorporates best practices for moisture management
- Proven performance with James Hardie fiber cement panels coupled with durable aluminum trims

### Embody a modern aesthetic

Get the look you are after with the solution that offers design flexibility. The Hardie® Reveal® Panel system can be utilized to create an effective modern, durable, panelized look.

A system of components specifically developed for multi-family and light commercial construction. If your project calls for a panelized look — the Hardie Reveal Panel system offers the design flexibility you need.

Beginning with a commercial grade panel developed for multi-family and light commercial applications, the Hardie Reveal Panel system is a complete solution for creating a panelized look. Eliminate the guesswork in creating this look with the Hardie Reveal Panel system, with all parts including panels and trims supplied by James Hardie. Check for availability and call us to request a James Hardie Preferred Installer when specifying the Hardie Reveal Panel system.

For details about technical information and specs, visit [JamesHardieCommercial.com](http://JamesHardieCommercial.com)

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CEDAR CANOPY  
(CLEAR SEALED)



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Architecture ■

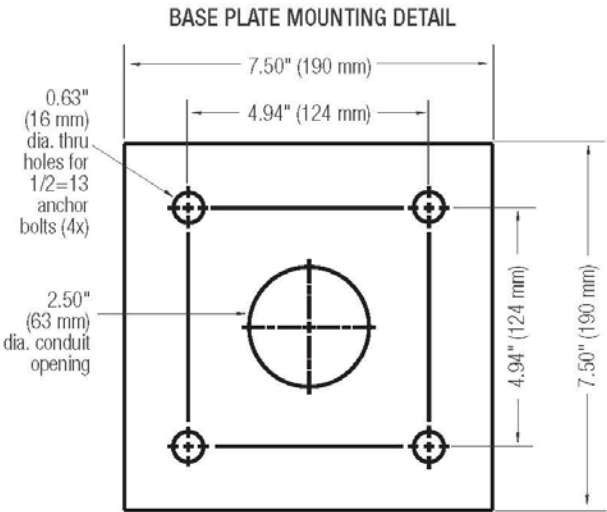
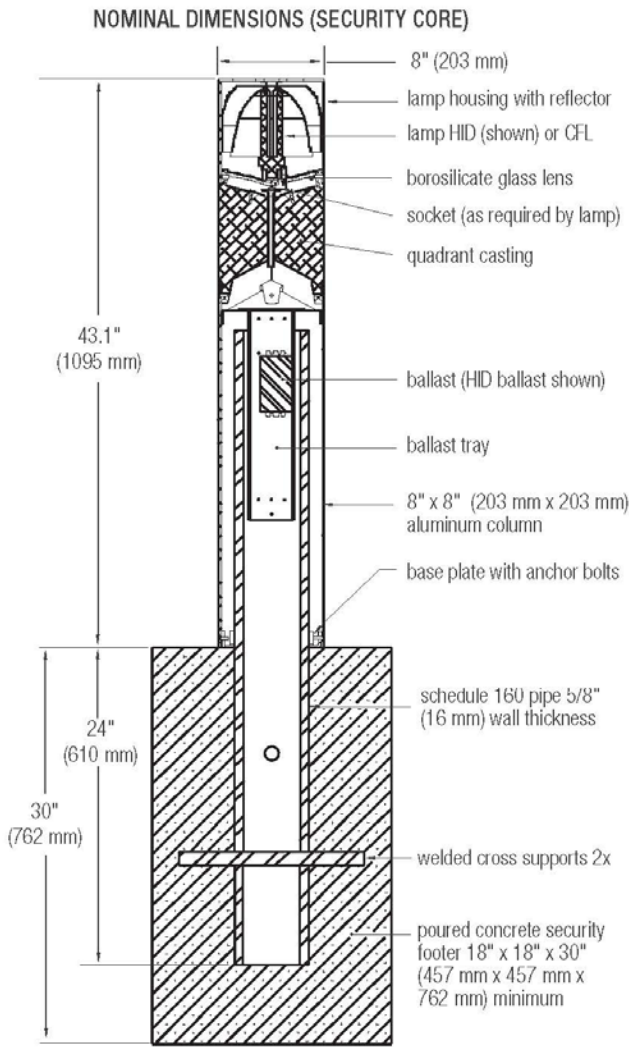
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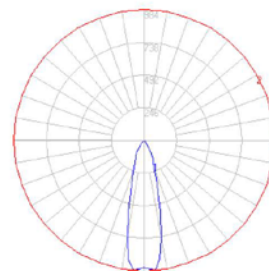


# BEGA

Photometric Filename: 55921.IES

TEST: N/A  
 TEST LAB: BEGA  
 DATE: 07/28/2014  
 LUMINAIRE: 55 921  
 LAMP: 4.2W LED

All results in accordance with IESNA LM-63-1995

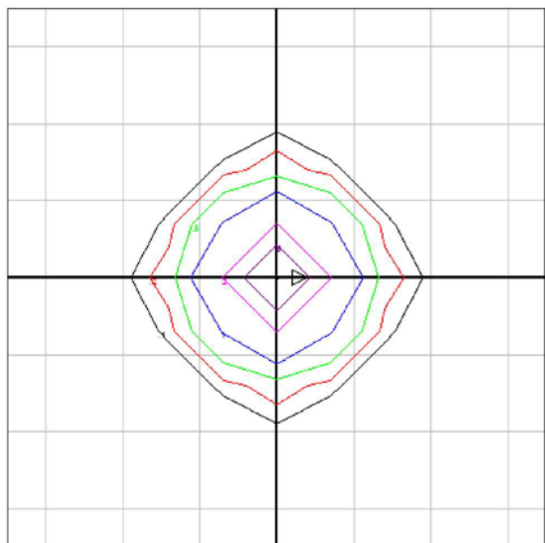


## Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	314
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	52
Total Luminaire Watts	6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.48
Spacing Criterion (90-270)	0.48
Spacing Criterion (Diagonal)	0.48
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 m
Luminous Width (90-270)	0.05 m (Diameter)
Luminous Height	0.00 m

## Zonal Lumen Summary

Zone	Lumens
0-10	86.00
10-20	115.64
20-30	71.71
30-40	34.31
40-50	3.82
50-60	2.33
60-70	0.47
70-80	0.05
80-90	0.00
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00



Mounting Height = 10 ft. Grid Spacing = 5 ft.

In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2015

11/3/2015

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CIMARRON LED CL1S	Cat.#		
	Job	Type	
	Approvals		

## SPECIFICATIONS

### Construction:

- Stylish vertically finned die-cast solid top housing for maximum heat dissipation; Stops collection of unsightly debris
- Rugged lower die-cast aluminum heat sink optimizes thermal management and optical performance
- One piece die-cut silicone gasket with mechanically compressed stainless steel bezel ensures weather proof seal around each individual LED for IP65 rating
- Backlight Control (BC) option available for 85% spill light reduction, doesn't change fixture appearance or EPA, recommended for Type III and Type IV distributions
- Complements the Cimarron LED CL1 i
- Weight - 19 pounds, EPA - .45 ft<sup>2</sup>

### Optics:

- Choice of 126 high brightness LED configurations with individual acrylic lenses specially designed for IES Type II, III, IV and V distributions
- 3000K, 80 CRI; 4000K, 70 CRI; 5000K, 67 CRI, Turtle friendly Amber

### Electrical:

- Universal input voltage 120-277 VAC, 50/60 Hz
- Ambient operating temperature - 40° C to 40° C
- Drivers have greater than 90% power factor and less than 10% THD
- 700mA drive current standard, 350mA and 525mA options available with 32L and 48L LED models
- LED drivers have output power over-voltage, over-current protection and short circuit protection with auto recovery
- Surge protection - 20KA; Turns fixture off at end of life; Includes LED for end of life indication (see surge suppressor page 3)
- Optional 0-10VDC continuous dimming to 10%
- Automatic thermal self-protection
- LED electrical assembly, including PR devices, consumes no power in the "off" state

### Controls:

- Drivers are 0-10V dimming standard. Photo cell and occupancy sensors available for complete on/off and dimming control

### Installation:

- Quick-mount plate included for easy installation
- The decorative integral arm houses two stage hinge mechanism
- Safety latch holds luminaire door to prevent "free swing"
- Quick-connect wiring for simplified, hassle-free installation
- Suitable for applications requiring 3G testing prescribed by ANSI @136.31

### Finish:

- TGIC thermoset polyester powder paint finish applied at nominal 2.5 mil thickness

### Warranty:

Five year limited warranty, for more information visit: <http://www.hubbelloutdoor.com/resources/warranty/>

### Listings:

- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations
- 700mA models meet DesignLights Consortium (DLC) qualifications, consult DLC website for more details: <http://www.designlights.org/DLC>
- IDA approved
- IP66
- IES Progress Award Winner - 2013

## PRODUCT IMAGE(S)



48 LED 3/4 VIEW



16 LED

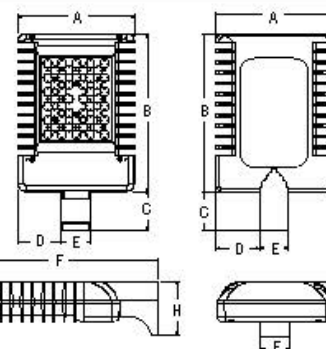


32 LED



48 LED

## DIMENSIONS



Weight  
19 lbs.  
8.62 kgs.

A	B	C	D	E	F	G	H
12"	16.312"	4"	4.5"	3"	20.312"	4.13"	5.625"
305mm	414mm	102mm	114mm	76mm	515mm	105mm	143mm

## CERTIFICATIONS/LISTINGS



Spaulding Lighting • 701 Millennium Boulevard • Greenville, SC 29607 • Phone: 864-678-1000  
Due to our continued efforts to improve our products, product specifications are subject to change without notice.

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## Certificate of Appropriateness for: Littleton Mixed Use

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<b>LAREDO SERIES</b> LMC - 30LEDs	Cat.#		
	Job	Type	
			Approvals

**SPECIFICATIONS**

**Intended Use:**  
Full cut-off IDA compliant perimeter or entry lighting for 12-18ft mounting heights that require high light output and maximum energy efficiency. Laredo LMC-30 LED wallpack provides low installation costs with little or no maintenance and 60%+ energy savings. Ideal for schools, factories, hospitals, warehouses and retail applications.

**Construction:**  
Decorative die-cast aluminum housing and door. Rugged design protects internal components and provides excellent thermal management for over 70% lumen maintenance at 50,000 hours minimum LED life. Lektrocote® series powder paint finishes provide lasting appearance in outdoor environments. Five standard finishes include: Bronze, Black, Gray, White and Platinum.

**Optics/Electrical LED:**  
30 High power LEDs delivers up to 6070 lumens at 700mA and up to 3489 lumens at 350mA. Variety of distributions – Types II, III and IV (Forward throw). High CRI LEDs provide excellent color rendition with up to 100 lumens per watt efficiency.

- CCT: 5000K/ 67 CRI, 4000K/ 70 CRI, 3000K/ 80 CRI
- Electronic driver 71w system (2 drivers, 2 circuits), 0.4 AMPS max, or 35w (1 driver, 2 circuits), 0.3 amps max, 120-277V and 347V and 480V, 50/60Hz
- Surge protection – 20KA; Turns fixture off at end of life; Includes LED for end of life indication (see surge suppressor page 2)

**Lenses:**  
Full cut-off distribution - individual acrylic LED optics provide IES Type II, III and IV distributions.

**Installation:**  
Quick mount system provides rigid mounting over recessed junction boxes – fixture does not require opening for mounting. Foam gasket for sealing to smooth surfaces provided. Superior performance with 5 to 1 spacing to mounting height ratio. Minimum operating temperature is -40°C/ -40°F.

**Controls:**  
Drivers are 0-10V dimming standard. Photocell and occupancy sensor options available for complete on/off and dimming control.


**Listings:**

- Listed to UL1598 for wet locations
- 40° C ambient environments
- U.S. Patent No. D563,587
- DesignLights Consortium (DLC) qualified, Consult DLC website for more details: <http://www.designlights.org/QPL>


**LMC-30LU Egress Wallpack:**  
Designed to meet strict 1fc minimum requirements. At 12ft mounting height 1fc covers 16x16ft area, well beyond the 10x10ft standard; No uplight, external test button; 120V or 277V only; Rated -20° C to 35° C

**Warranty:**  
Five year limited warranty (for more information visit: <http://www.hubbelloutdoor.com/resources/warranty/>)

**PRODUCT IMAGE(S)**

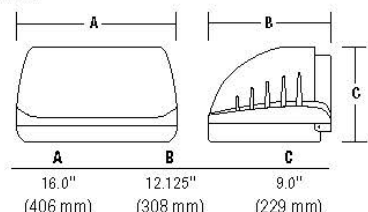


LMC-30LU




LMC-30LU Motion Sensor      LMC-30LU BBU

**DIMENSIONS**



A 16.0" (406 mm)  
B 12.125" (308 mm)  
C 9.0" (229 mm)



## ORDERING INFORMATION

ORDERING EXAMPLE: LMC-30LU-5K-3-1-PC(4)

LMC	-		-		-		-		-	
SERIES	NUMBER OF LEDS/SOURCE/VOLTAGE		CCT	IES DISTRIBUTION	DRIVE CURRENT	FINISH	OPTIONS			
LMC Laredo Medium Cut-off	30LU	30 LEDs, Universal voltage 120-277V	3K 3000K nominal	2 Type II	BLANK STD 700MA	1 Bronze	BBU <sup>1</sup> Integral battery for 120 or 277V rated for -20° C ambient; Available in 350mA (035) drive current only			
	30L1	30 LEDs, 120V	4K 4000K nominal	3 Type III	035 350MA	2 Black				
	30L2	30 LEDs, 208V	5K 5000K nominal	4 Type IV (Forward throw)		3 Gray	PC <sup>1</sup> Button photocell, replace X with voltage, specify 1-120V, 2-208V, 3-240V, 4-277V			
	30L3	30 LEDs, 240V				4 White				
	30L4	30 LEDs, 277V				5 Platinum				
	30LF	30 LEDs, 347V					F <sup>1</sup> Fusing (specify voltage per footnote)			
30L5	30 LEDs, 480V						SCP <sup>1,2</sup> Programmable motion control, factory default is 10% light output			
<a href="#">Controls Guide</a>										

<sup>1</sup> PC03 and F Replace X with 1-120V, 2-208V, 3-240V, 4-277V

<sup>2</sup> Must order minimum of one SCP-FBMO-IE to program dimming settings, 0-10V fully adjustable dimming with automatic daylight calibration and different time delay settings, 120V-277V only



Spaulding Lighting • 701 Millennium Boulevard • Greenville, SC 29607 • Phone: 864-678-1000  
 Due to our continued efforts to improve our products, product specifications are subject to change without notice.  
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## Certificate of Appropriateness for: Littleton Mixed Use

2679 West Main Street – Littleton, Colorado 80120

January 27, 2017 Case # COA16 - 0003

**LAI** Design Group

[www.LAIdesigngroup.com](http://www.LAIdesigngroup.com) • 303.734.1777





## LED 3000K Outdoor Up & Down Lantern - AZT 11251AZT30 (Textured Architectural Bronze)

### Product Description:

This LED outdoor wall up and downlight features smooth lines, a modern look and a Textured Architectural Bronze finish.

### Available Finishes

Textured Black  
Textured Architectural Bronze

### Technical Information

Safety Rated:	Wet
HCWO:	6.25
Title 24:	Yes
Color Rendering Index:	90
Color Temperature Range:	2950-3130
Expected Life Span:	40000 Hours
Operating Voltage Range:	120-277
Width:	5.00"
Height:	12.00"
Lamp Included:	Integrated
Extension:	6.50"
Voltage:	120-277V
Energy Efficient:	Yes
Light Source:	LED
Kelvin Temperature:	3000K
Max Watt:	15W
Finish:	Textured Architectural Bronze

Project	
Type	
Ordering #	
Comments	

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## 3000 K LED Outdoor Lantern - AZT AZT 11250AZT30 (Textured Architectural Bronze)

Project Name: \_\_\_\_\_  
Location: \_\_\_\_\_  
Type: \_\_\_\_\_  
Qty: \_\_\_\_\_  
Comments: \_\_\_\_\_



### Ordering Information

Product ID	11250AZT30
Finish	Textured Architectural Bronze
Available Finishes	AZT, BKT

### Dimensions

Extension	6.50"
Height from center of Wall opening	3.25"
Base Backplate	5.00 X 5.00
Weight	2.60 LBS

### Photometrics

Kelvin Temperature	3000K
Color Rendering Index	90

### Specifications

Material	Aluminum
----------	----------

### Electrical

Voltage	120-277V
Input Voltage	Dual (120/140)

### Qualifications

Safety Rated	Wet
Title 24	Yes
Class 2	Yes
Dark Sky	Yes
Expected Life Span	40000 Hours
Warranty	www.kichler.com/warranty

### Primary Lamping

Light Source	LED
Lamp Included	Integrated
Number of Lights/LEDs	1
Delivered Lumens	350
Delivered Efficacy	33
Max or Nominal Watt	11W

### Dimensions

Height	7.00"
Width	5.00"

**Kichler**  
7711 East Pleasant Valley Road  
Cleveland, Ohio 44131-8010  
Toll free: 866.558.5706 or kichler.com

**Notes:**  
1) Information provided is subject to change without notice.  
All values are design or typical values when measured under laboratory conditions.  
2) Incandescent Equivalent: The incandescent equivalent as presented is an approximate number and is for reference only.

**KICHLER**

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## A850 OLD TOWN SERIES

HID

EPA  
1.21 (FE)  
WEIGHT  
15 LBS

5 YEAR  
WARRANTY

MAXIMUM  
WATTAGE  
250W

UL  
LISTED

JOB NAME

FIXTURE TYPE

MEMO

### BUILD A PART NUMBER

ORDERING EXAMPLE: **2A-A850-5P-100HPS120-MED-RE5-A-PEC-FHS/50PM/4212FP4/BKT**

Mounting Config.	Fixture	Fitter	Ballast	Volts	Socket	Optic	Lens	Option Ring	Option Photocontrol	Option GR	Option Term. Block	Option Fuse	Option Lamp	Arm	Pole	Finish

### Mounting Configuration

(Click here to view mounting configuration sheet)

•TW	•2A	•3A90	•1AM
•PT	•2A90	•3APT	•2AM
•1A	•2APT	•4A	•450PB
•1APT	•3A	•4APT	

W=Wall Mount, PT=Post Top, APT=Post Top Arm Mount, A=Arm Mount, AM=Arm Mount, PB=Post Base

### Fixture

•A850	•A850SR
-------	---------

### Fitter

•5P	•991	•995	•OLF3
•73	•992	•BD4	•OLF4
•74	•993	•BD5	•588
•990	•994	•BD7	•C2097

Add "Fitter" to end of part number and "Fitter" to end of part number.

### Ballast

•35HPS	•70MHP	•42CFL
•50HPS	•100MHP	•57CFL
•70HPS	•150MHP	•70CFL
•100HPS	•200MHP	•55QL
•150HPS	•250MHP	•INCAND
•250HPS	•26CFL	
•50MHP	•32CFL	

\*Medium base ballast standard in 100 watt and 150 watt. Medium base ballast standard in 250 watt and over 4 "H" ballast. Medium base ballast standard in 250 watt and over 4 "H" ballast.

### Volts

•120	•208	•240	•277	•347	•480
------	------	------	------	------	------

### Socket

•MED	•MOG	•QL	•4P/4-PIN
------	------	-----	-----------

### Optic

•NONE	•RE3	•RE5	•LO3	•LO5	•ALZAK	•H55
-------	------	------	------	------	--------	------

### Lens

•A (Acrylic)	•P (Polycarbonate)
•WA (White Acrylic)	•WP (White Polycarbonate)

### Options

- CDR Cast Decorative Ring
- CDR-CLP Cast Decor Ring with Custom Logo
- PBDR Perforated Brass Decorative Ring
- PEC Electronic Photocontrol 120-277 Volt
- R\* Receptacle Only for Twist-Lock Photocontrol
- R\* Twist-Lock Photocontrol 5 Receptacle 120-277V
- G\* 15A Duplex GFI for Utility Fitter
- TB\* Terminal Block
- FHS\* Single Fuse 5 Holder - 120, 277 Volt
- FHD\* Dual Fuse 5 Holder - 208, 240, 480 Volt
- LAMP5 See Lamp Spec Sheet

\*Consult factory for detailed data.  
\*Standard is polycarbonate. For detailed data see 900 Series.  
\*For 900 Series Utility Fitter only.  
\*See also 900 Series Utility Fitter.

### Arm (Click here to view arm website page)

See Arms & Wall Brackets specification sheets

•50	•70	•180	•6236	•TA	•BA
•478	•80	•55	•579	•TASCR	

### Pole (Click here to view pole website page)

See Pole specification sheets.

### Finish (Click here to view paint finish sheet)

#### Standard Finishes\*

- BKT Black Textured
- WHT White Textured
- PGT Park Green Textured
- ABZT Architectural Medium Bronze Textured
- DBT Dark Bronze Textured

\*Standard finishes are available upon request.

#### Custom Finishes\*

- CM Custom March
- OI Old Iron
- RT Rust
- WBR Weathered Brown
- CD Cedar
- WBK Weathered Black
- TT Two Tone

\*Custom finishes require consultation.

#### Sternberg Select Finishes

- VC Verde Green
- SI Swedish Iron
- OWGT Old World Gray Textured

### Specifications

#### Fixture

The fixture shall be 16" in diameter and 39-1/2" tall. It will be made of vandal resistant clear textured polycarbonate or dent resistant (DR) clear textured acrylic. White textured is also available. The fixture is available in a solid roof (A850SR) for added distinction and reduced up-light. The solid roof will be made of spun aluminum and securely affixed to the top of the acorn. The optional perforated brass decorative ring (PBDR) is available in polished brass or painted finish. The 2-1/4" wide brass hickey allowing light transfer through decorative openings. The optional CDR is a heavy cast aluminum ring with four cast medallions finished in accent gold. Also available are custom medallions that can be specified with a name, initial or logo.

#### Fitter - Standard

The fitter shall be heavy wall cast aluminum, 356 alloy for high tensile strength. It shall have an 9-1/2" inside diameter opening to attach to the 9" neck of the acorn globe. When ordered with a Sternberg aluminum pole, the fitter shall be welded to the pole top or renon for safety and to ensure the fixture will be plumb, secure and level over the life of the installation. The fitter shall have a one-piece ring bug gasket to resist insect penetration into lamp assembly.

#### 900 Series Utility Fitter Option

The fitter shall be heavy wall cast aluminum, 360 die cast alloy for high tensile strength. It shall have a 9-1/4" inside diameter opening to attach to the 9" neck of the acorn globe. It shall have a hinged, tool-less entry door that provides open access to all of the components. The 900 series shall have an optional terminal block for ease of wiring, an optional Twist-Lock Photocontrol receptacle, an optional single GFCI outlet for auxiliary power needs. The top mounted ballast mounting plate shall be cast aluminum and provide tool-less removal from the housing using 2 hanger latches. When ordered with a Sternberg aluminum pole, the fitter shall be set screwed to the pole top or renon. The fitter shall have a one-piece ring bug gasket to resist insect penetration into lamp assembly.

See also 900 Series



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## MATCH EXISTING STREETScape – LED OPTIONAL

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