

Design Guidelines

For Mableton Parkway and Veterans Memorial Highway



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Introduction

A. Background and Purpose

Mableton Parkway and Veterans Memorial Highway are key corridors in the Mableton community. Both are critically important to all of southern Cobb County; each corridor was developed as an automobile-centric, commercial thoroughfare. Over time, both have seen a decline in their respective commercial markets. Additionally, more residential development – both single family and multi-family – has moved into the area. Cobb County seeks to revitalize both corridors through the creation of design guidelines. The purpose of these design guidelines is threefold:

1. To create modern, urban arterials that are attractive, walkable, safe, and provide a variety of commercial/retail and housing options
2. To provide clear direction for property owners and land developers seeking to construct new developments, redevelop existing sites, or perform major exterior renovations or additions to existing buildings
3. To stimulate investment, encourage development or redevelopment, and enhance the corridors in terms of aesthetics, function and land use

B. Affected Areas

The areas impacted by these design guidelines are as follows:

1. Parcels with frontage on Veterans Memorial Highway, from Austell Road west to the Cobb/Fulton County line at the Chattahoochee River (approximately 6.9 miles)
2. Parcels with frontage on Mableton Parkway, from Veterans Memorial Highway south to the Cobb/Fulton County line at the Chattahoochee River (approximately 3.8 miles)
3. There are two types of nodes/centers at major intersections along the two corridors:
 - Centers: Develop/redevelop within a ½ mile radius around the following intersections:
 - a. Mableton Parkway and Veterans Memorial Highway
 - b. Cooper Lake Road and Veterans Memorial Highway
 - c. Oakdale Road and Veterans Memorial Highway
 - Villages: Develop/redevelop within a ¼ mile radius around the following intersections:
 - a. Chattahoochee Technical College;
 - b. Providence Pavilion (south of Buckner Road)
 - c. Factory Shoals Road and Mableton Parkway
 - d. Queen Mill Road and Mableton Parkway
 - e. South Gordon Road and Mableton Parkway

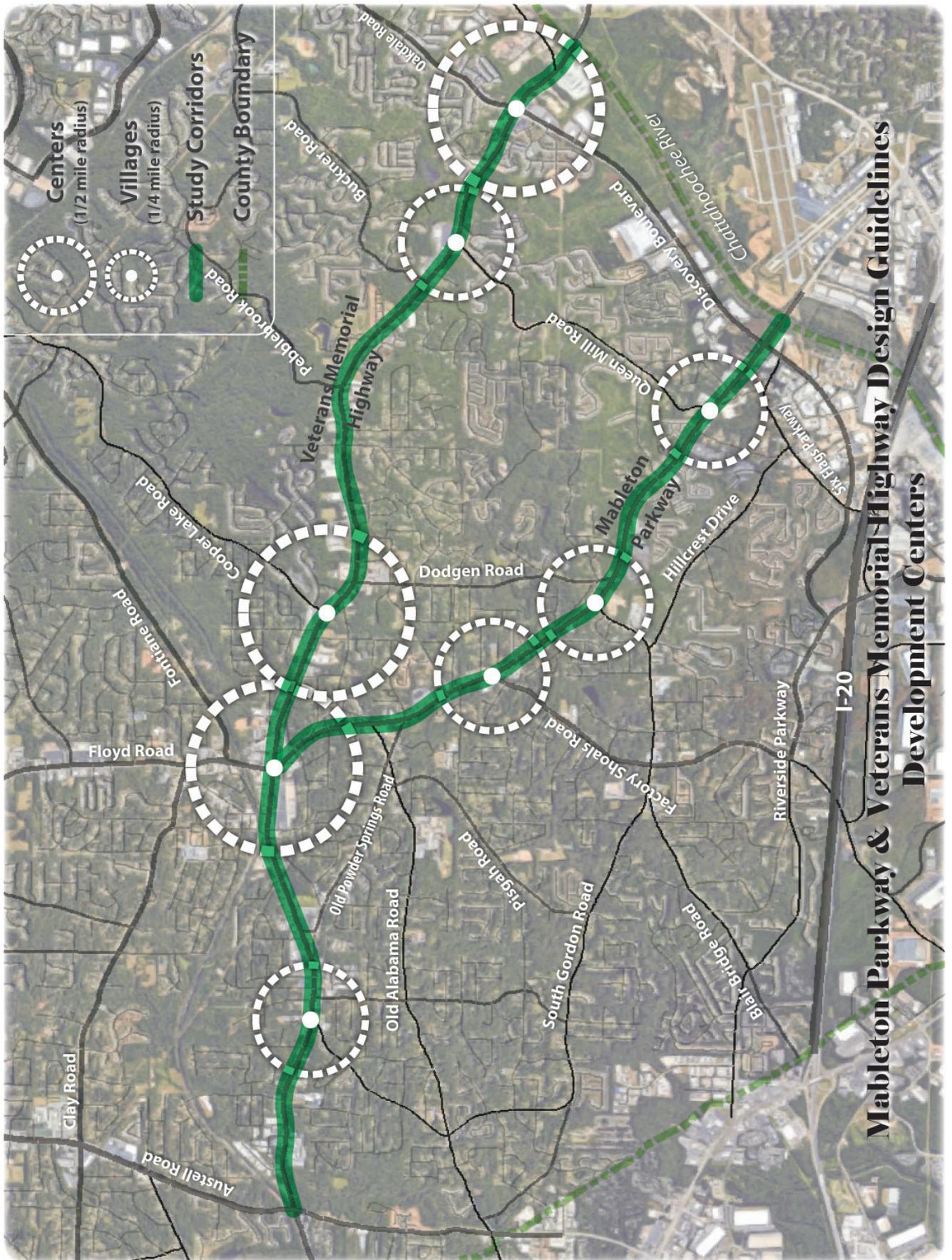
C. Applicability

These design guidelines are applicable in the following instances:

1. Exterior rehabilitation or modifications to existing buildings or structures that require building or land disturbing permits
2. New construction, including additions to existing structures and buildings within the affected areas
3. Installation and/or modification of signs requiring a sign permit

Building permit applications involving new construction or modification/addition to an existing structure within the affected areas, in combination with plans, elevations, detailed drawings, and specifications described herein, shall be subject to design review. Alterations and/or repairs to the interior of existing buildings are not subject to these guidelines. All Cobb County-adopted fire safety and building codes, as well as other relevant codes and standards, shall remain in full force and effect. Single-family residential structures are specifically exempted from these guidelines. Additionally, parcels within the boundaries of an incorporated municipality are not subject to the standards set forth within these guidelines.

Figure 1



Streetscape Standards

A. Public Right-of-Way:

1. Constrained Right-of-Way

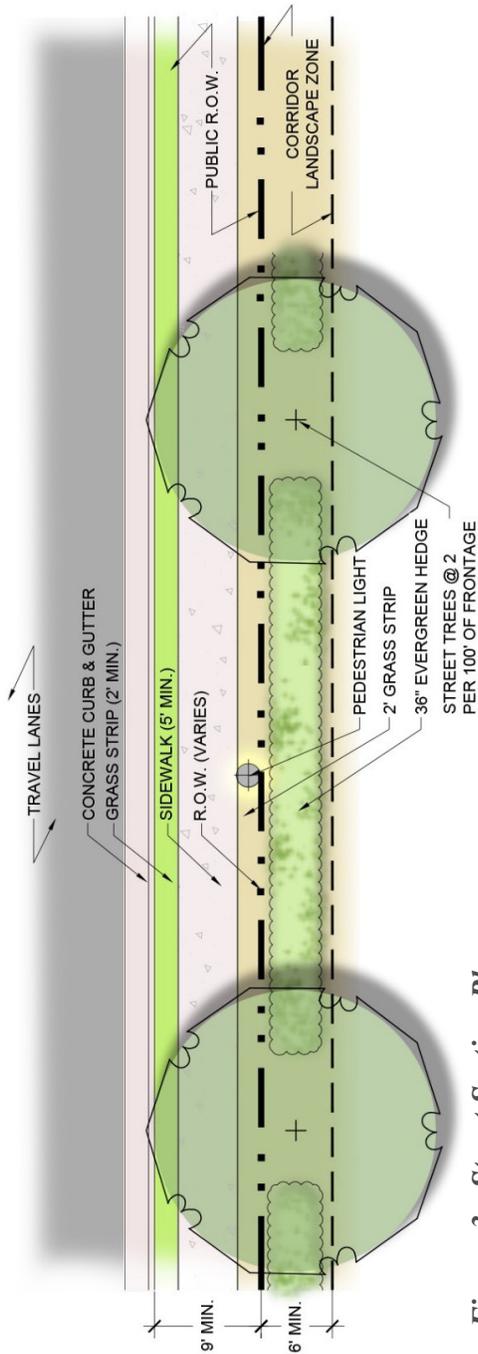


Figure 3 - Street Section Plan

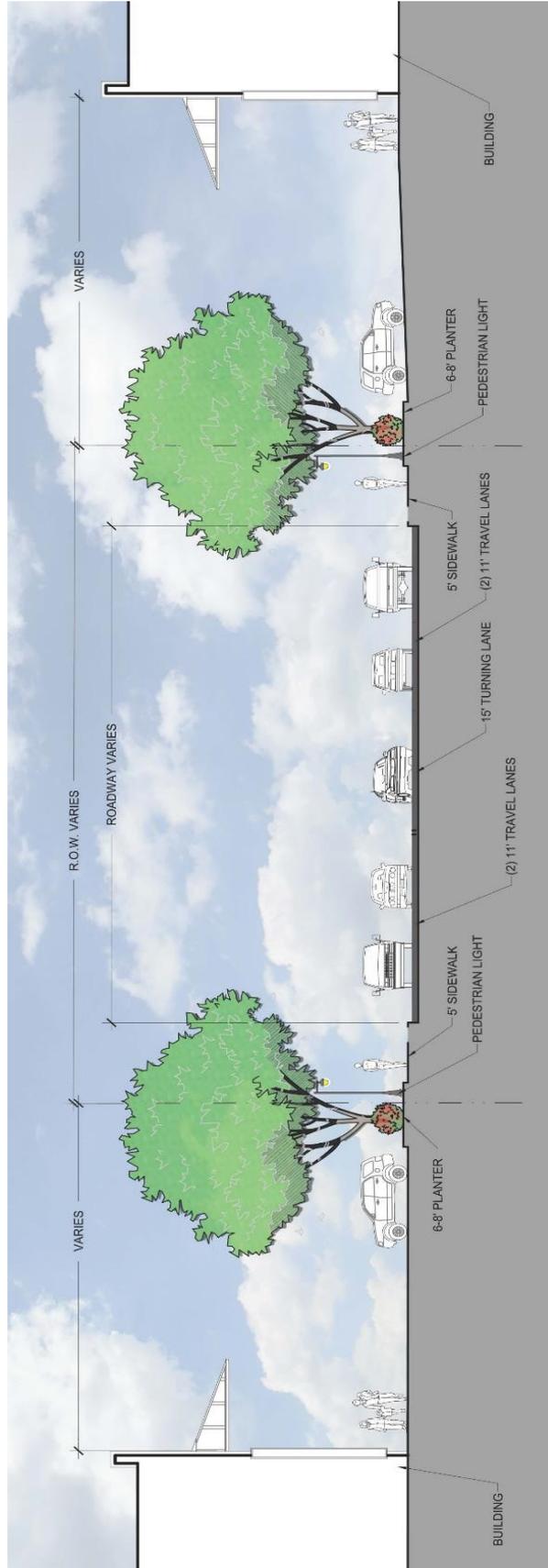


Figure 2 - Street Section Elevation

- a. Four (4), eleven-foot (11') travel lanes
- b. One (1) fifteen-foot (15') turn lane in center of roadway
- c. Concrete curb and gutter
- d. Minimum two-foot (2') grass strip adjacent to curb and gutter
- e. Five-foot (5') sidewalk along each side of roadway
- f. Six-to-eight-foot (6'- 8') corridor landscape strip consisting of the following elements:
 - A grass strip no less than two feet (2') in width
 - In areas fronting residential development, one (1) large street trees per 50 feet of road frontage if they are outside of the clear zone. Two (2) Small street trees per 50 feet of road frontage if they are within the Clear Zone (Required GDOT clear zone must be maintained).
 - In areas fronting commercial development, one (1) large street trees per 35 feet of road frontage if they are outside of the clear zone. Two (2) small street trees per 35 feet of road frontage if they are within the Clear Zone (Required GDOT clear zone must be maintained).
 - Street trees should be evenly spaced, with a minimum of 20 feet between trees.
 - Street tree canopy height should not be less than Six (6) feet.
 - Street trees should be carefully placed to avoid conflicts with existing or proposed utility poles, overhead power lines, underground utilities and signs.
 - The space in between street trees should be occupied by 36-inch evergreen hedges. See the section of Recommended Landscaping Species for details. Landscaped berms, fences, retaining walls , and the like can be located in this area as well.
 - Pedestrian light fixtures shall be compatible with the architectural theme and/or character of the corridor. See the section of Street Furniture for lighting recommendations.

2. Wide Right-of-Way

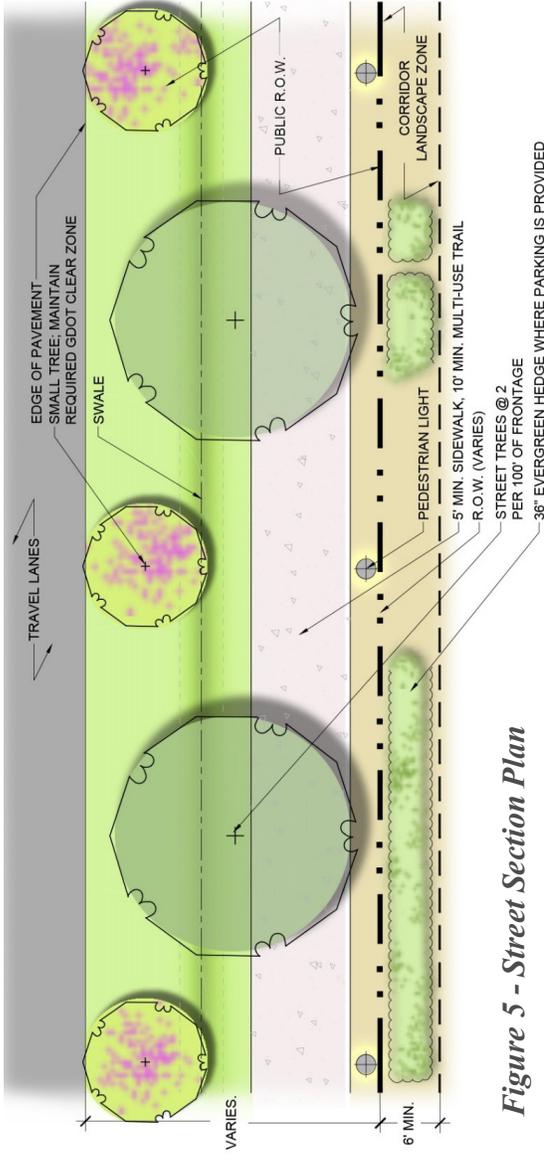


Figure 5 - Street Section Plan



Figure 4 - Street Section Elevation

- a. Four (4), eleven-foot (11') travel lanes
- b. One (1) fifteen-foot (15') turn lane in center of roadway
- c. Twelve-foot (12') shoulder on each side of corridor to include the following:
 - Small tree before the swale, evenly distributed between large trees (Required GDOT clear zone must be maintained).
 - In areas fronting residential development, swale with large street trees planted at an interval of one (1) per 50 feet of road frontage.
 - In areas fronting commercial development, swale with large street trees planted at an interval of one (1) per 35 feet of road frontage.
 - Street trees should be evenly spaced, with a minimum of 20 feet between trees.
 - Large street tree canopy height should not be less than Six (6) feet.
 - Street trees should be carefully placed to avoid conflicts with existing or proposed utility poles, overhead power lines, underground utilities and signs.
 - Minimum width of ten feet (10') for multi-use trails; Minimum width of five feet (5') for standard sidewalks.
 - Parking lots adjacent to public streets should be separated from the adjacent street by 36 in. evergreen hedges. See the section of Recommended Landscaping Species for details.
 - Pedestrian light fixtures shall be compatible with the architectural theme and/or character of the corridor. See the section of Street Furniture for lighting recommendations.
 - The roadside swale will be optional when there is a downward slope of a property away from the roadway. (Details to be determined at Plan Review on a case by case basis)

(NOTE: Constrained versus non-constrained right-of-way will be determined through the County's plan review process.)

B. Corridor Frontage Zone (for non-single family residential properties)



- Two visible parking rows permitted in front of buildings along Mableton Parkway and Veterans Memorial Highway
- Primary structure and outparcels shall be oriented to the street



- All structures and outparcels shall be connected to public sidewalks via paved walkways no less than five feet (5') in width ,made visually prominent by use of textured and/or colored materials



- All service, storage, loading, and dumpster areas shall be located at the rear of building. Dumpster storage shall be neatly contained in sheds or in separate screened enclosures. Landscaping is recommended for visual screening, blocking of these features when adjacent to the residential properties. Landscaping may be composed of trees, shrubs and groundcover



- Pedestrian crosswalks are encouraged at appropriate intersections where the main thoroughfare intersects with local or private streets or access drives
 1. Crosswalks shall be clearly marked in accordance with DOT/ MUTCD standards
 2. Various textures and/or colors for identification of crosswalks is encouraged; The use of such is contingent upon DOT approval

C. Recommended Landscaping Species

1. Large Street Trees (outside the Clear Zone)

Willow Oak	Lacebark Elm	Princeton Elm	Ginkgo	Red Maple
				
Height X Spread				
40' X 30'	40' X 30'	60' X 40'	50' X 30'	50' X 30'
Description				
rounded shape, yellow fall color	vase shaped, grows quickly	vase shaped, yellow fall color	yellow fall color, specimen	red fall color, grows quickly

2. Small Street Trees (inside the Clear Zone)

Crape Myrtle	Trident Maple	Bosque Elm	Zelkova	Redbud	Goldenrain tree	Flowering Cherry
						
Height X Spread						
20' X 20'	20' X 20'	50' X 40'	60' X 60'	25' X 15'	20' X 10'	30' X 25'
Description						
white, pink, lavender, or red flowers in summer	rounded, yellow or red fall color	very upright, good for narrow spaces	upright vase shape, yellow or red fall color	oval shape, purple flowers in early spring	rounded shape, yellow flowers in spring	upright, pink to white flowers in spring

3. Evergreen Hedge (landscape buffer)

Needlepoint Holly	Indian Hawthorn	Inkberry	Juniper	Barberry
				
Height X Spread				
8' X 10'	3' X 5'	6' X 8'	6' X 8'	6' X 6'
Description				
red berries during winter	white flowers in spring	black berries during winter	mass planting, slopes	thorns, rich green foliage

D. Signage

Existing Cobb County signage standards apply per Chapter 134 Article VI of the Cobb County Code of Ordinances, along with the following additional requirements:

1. Monument signs for developments shall be constructed of durable materials that match the main building materials
2. The proportion of sign materials must match that of building materials for the primary structure.
3. Within a development, all signage shall be consistent in style for each tenant
4. A signage plan shall be reviewed and approved by the Zoning Division of Cobb County Community Development
5. Window signage for each business shall be limited to ten percent (10%) of the total window area
6. Reflective films or reflective coatings on windows, including mirrored glass, is prohibited



E. Street Furniture

1. Pedestrian Lights:

- a. Lights shall be located behind the sidewalk and within public right-of-way.
- b. One light per 100 feet in residential areas.
- c. One light per 50 feet in commercial areas.
- d. Lights shall be evenly spaced between street trees.
- e. Lights shall utilize breakaway bases.
- f. Light fixture styling shall be compatible with the architectural character/theme of the corridor. Examples of recommended fixtures are provided below (Figure 6). These are only examples. Similar styles may also be approved.
 - Head: K118 — Washington LED Acorn (See Appendix 1 to 3 for details)
 - Pole: Homewood Series by Hapco (See Appendix 4 for details)
 - Base: Breakaway design (See Appendix 5 for details)
- g. It is the intention to create a pedestrian street light district on Veteran's Memorial Highway and Mableton Parkway. As the properties move forward for land entitlements or plan reviews, the property owner will be requested to sign the affidavit agreeing to enter into a street and/or pedestrian light district.

Figure 6
- Pedestrian Lights



2. Waste Receptacles, Benches and Bike Racks:

Waste receptacles, benches and bike racks are encouraged along the corridors within the activity centers and village centers. Following are recommended fixtures. Other products with similar style, color and material as well as compatible with the design of the pedestrian lights will be accepted too.

a. Waste receptacle (Figure 7)

- Capacity: 32 gallons
- Material: Steel
- Color: Black
- Finish: Powder-coated, Protective zinc finish
- Rain bonnet Lid
- Manufacture: Barco Products
- Parent SKU: WR-37



b. Bench (Figure 8)

- Length: 4 feet or 6 feet (A center arm rest is recommended for the 6' bench)
- Material: Extruded steel tube construction
- Color: Black
- Finish: Powder-coated
- Manufacture: Barco Products
- Parent SKU: BN-36



c. Bike Rack (Figure 9)

- available in a variety of bike capacity options
- Material: 17/8 inch OD 11-gauge round steel tubing
- Color: Black
- Finish: Powder-coated
- Manufacture: Barco Products
- Parent SKU: BR-01A



Waste receptacles and benches should be located behind sidewalks and inside property lines. Bicycle racks should be installed in areas near building entrances and/or transit bus stops.

F. Walls and Screening

Unacceptable Wall Materials

Timber, railroad ties



Untreated wood



Un-textured or unfinished concrete or block (CMU) Walls



Acceptable Wall Materials

Native stone
(highly encouraged)



Brick



Granite block



Attractively landscaped
earth berms



Decorative stucco used in
adjacent buildings



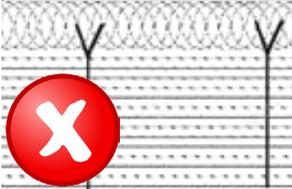
Walls include retaining walls as well as the exterior wall of stormwater detention structures. Walls facing public right-of-way shall have a decorated façade, combined with some decorative landscaping features, such as bushes and/or flowers. Walls greater than 40 feet in unbroken length shall be designed such that they do not cast a continuous unbroken shadow, provide interesting visual effects (such as surface patterns) and reduce apparent mass.

Landscaping and screening are required when a commercial property is immediately adjacent to a residential property, per Chapter 134 of the Cobb County Code of Ordinances.

G. Fencing

Fencing shall not extend beyond the front building line. Wooden privacy fencing must be screened by landscaping or have masonry posts at intervals of no less than 10 feet. No tarps or cloths can be hung on fencing for screening.

Unacceptable Fences

Razor wire or barbed wire fences, concertina wire	Chain-link wire fences (except in landscaped screened service and security areas)	Corrugated metal	Bright colored plastic
			

Acceptable Fences

- Fence shall not exceed six (6) feet in height.
- It is encouraged that the colors and/or materials of the fence match that of the main building.
- The recommend fencing styles/materials/colors include but are not limited to:

Wooden Fence



Metal Fence



Multi-Material Fence



Architecture Standards

New buildings shall be constructed of predominantly brick in combination with a maximum of 25% stucco or similar materials. Burglar bars, steel gates, metal awnings, and steel roll-down curtains are prohibited.



1. Buildings shall incorporate at least two of the following accent materials:
 - a. Brick (must contrast brick used on primary façade using a varying shade of color or varying pattern)
 - b. Stucco
 - c. Stone



2. Buildings with a façade greater than 100 feet in length, measured horizontally, shall incorporate recesses or projections having a depth of at least three percent (3%) of the length of the façade and extend at least twenty percent (20%) of the length of the façade. No uninterrupted length of any façade shall exceed 100 horizontal feet.



3. Ground floor facades that face public streets shall have arcades, display windows, entry areas, non-metal awnings, or other such architectural features along at least fifty percent (50%) of its length.

- 4. Multi-tenant buildings shall include the following:
 - a. Recessed windows that include visually prominent sills, shutters, or other similar framing.
 - b. Individual entrances that are delineated by non-metal awnings, columns, canopies or porticoes, arches, or similar architectural feature.
 - c. Façades which include a repeating pattern through color change, texture change, or material change. At least one of these elements must repeat along the length of the façade. All elements shall repeat at an interval of no less than 30 feet.
 - d. Expression of architectural or structural bay through a change in plane no less than 12 in. in width.





5. Roof Line

- a. Buildings less than 5,000 square feet shall have a pitched roof with a minimum pitch of 4.5 inches vertical elevation per 1 foot. horizontal distance, except as otherwise provided herein. Building roofs shall be pitched with gables, dormers and aesthetic treatments.
- b. Commercial building styles without a pitched roof shall have a detailed parapet and cornice.
- c. All roofing materials shall be of a consistent style and pattern. Pitched roofs shall be finished in either architectural or dimensional shingles. Standing seam metal roofs are also permissible. A reflective metal roofing material is prohibited.
- d. Roofing materials for pitched or mansard roofs shall be limited to the following:
 - Metal standing seam of red, green, dark gray or silver in natural shades (no bright/pastel colors)
 - Tile, slate or stone
 - Shingles with a slate, tile or metal appearance
 - Architectural shingles

Access Management

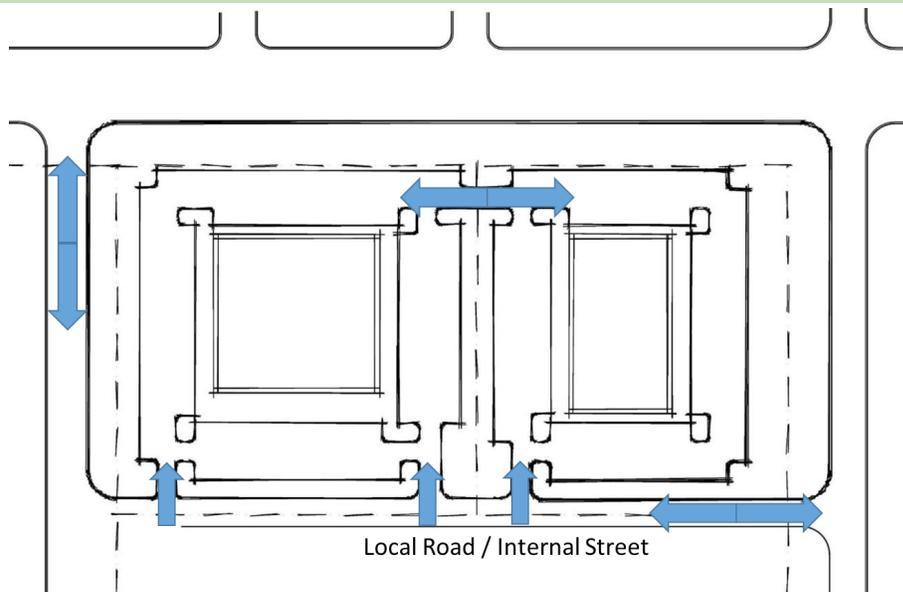
Access shall exist between and among all adjoining commercial properties via internal access networks (see Figure 6). Such access shall be accomplished by the granting of an access easement as described in this subsection to each adjoining property. The purpose of the easement is to facilitate access not only between businesses, but also to provide connections to secondary streets and signalized intersections. The benefit of such access is reduced traffic congestion and enhanced traffic flow and safety on Mableton Parkway and Veterans Memorial Highway.

1. Access easements: The recorded easements shall permit automobile access between adjacent, commercial properties intended for tenant or customer use. Respective parking areas may be restricted to use by the individual owner. The granting of such easement shall become effective only upon the granting of a reciprocal easement by the adjoining property owner. Consenting owners shall extend the pavement on their property to the point of access at the common property boundary.
2. Relief: Whenever the adjoining land use would create a documented adverse impact on the property to which the easement requirement would pertain, and such adverse impact outweighs the benefit of the resulting reduced impact on the public street, the Cobb County Board of Commissioners may waive the requirement for such access.

Consolidation of driveways shall occur when owners of properties on which new buildings or substantial renovation of existing buildings occurs, and when said substantial renovation includes resurfacing of parking areas, eliminate access points which exist on the property in excess of two (2) such locations for every two hundred (200) feet of frontage and shall define all such access points via curb. Any access points so eliminated shall be replaced by landscaped areas and parking areas, as appropriate. For the purposes of this subsection, the term "substantial renovation" shall be defined as renovation exceeding fifty percent (50%) of the assessed value of the improvement.

Figure 7

- Access Management



Appendix 1



K118R - WASHINGTON LED ACORN

The King Luminaire Washington Luminaire is a beautiful depiction of this street light classic. The historical accurate acorn shape teamed with King's high performance LED engines makes for a perfect solution for city streets, parks, schools and commercial areas.



PROJECT: _____

PREPARED BY: _____

DATE: _____

Product Specification

LED ENGINE

Light engine shall be an array of 36, 42, 54 or 63 solid state Cree XPG2 light emitting diodes mounted to a multi-sided, vertical heat sink of highly conductive aluminum. The LED emitters are mounted to removable circuit boards such that they are in full thermal contact with the vertical heat sink. The vertical heat sink is open at the bottom and vented at the top to provide appropriate "dynamic airflow" cooling for the LED array. The emitters are arranged in various patterns on each face of the vertical heat sink to provide the required light distribution.

OPTICS

The LED arrays include optical baffles constructed of polished aluminum extrusion optical grade ABS plastic with a vacuum metallized reflective surface or clear acrylic with precision refractors over each diode. Both optical options are designed to efficiently control light distribution.

LUMINAIRE CONSTRUCTION

All K118 cast components shall consist of a heavy grade A319 cast aluminum. The main body, or capital, acts as an enclosure for the ballast assembly and is of adequate thickness to give sufficient structural rigidity. The capital shall have an opening at the base tenon body to allow the luminaire to be mounted to a tenon of 3-1/2" maximum diameter. The Luminaire shall be locked in place by means of heavy duty, stainless-steel set-screws.

GLOBE ASSEMBLY

The protective globe shall be molded of either; rippled polycarbonate Miles Makrolon GP/OP Thermoplastic Polymer, or equiv., or rippled acrylic Acrylite Plus Acrylic Polymer, or equiv., having a minimum thickness of 0.125" with an overall diameter of 17 1/2" and an over-all height of 31".

The globe assembly is a self-contained unit consisting of the globe, rugged cast locking ring, and the LED light engine and optical baffles. The LED light engine is of a modular design, and is able to be quickly removed from the globe assembly.

The globe assembly is secured to the main housing by means of a spring-tensioned, twist-locking "roto-lock" unit to allow tool-less removal of the globe, while maintaining a secure seal between the globe assembly and the main body of the luminaire, making the K118 Washington Luminaire suitable for an outdoor environment.

High performance protection against water or dust particle ingress is available by means of a non-porous, closed-cell silicon rubber o-ring gasket which is highly efficient in sealing against particle ingress over a wide temperature range (-40°F to 310°F).

DRIVER

The LED universal dimmable driver will be class 2 and capable 120 - 277V or 277 - 480V input voltage, greater than 0.9 power factor, less than 20% total harmonic distortion and feature ambient temperature range of -35 °C up to 65°C. Each LED system comes with a standard surge protection designed to withstand up to 20KA/10Kv of transient line surge as per IEEE C62.41.2 C High. The driver assembly will be mounted on a heavy duty fabricated galvanized steel mounting bracket to allow complete tool-less maintenance. Included will be a multi-wattage selector switch which will allow the output power of the driver to be field selectable.

PHOTOMETRICS

Fixtures are tested to IESNA LM79 specifications. These reports are made available.

CHROMATICITY

High output LED's come standard at 4500K (+/- 250K) with a minimum nominal 70 CRI. Additional CCT emitters are available upon request.

LUMEN MAINTENANCE

Reported (TM21) and Calculated (L70) reports are available upon request with a minimum calculated value of 50,000hrs.

WIRING

All internal wiring and connections shall be completed so that it will

be necessary only to attach the incoming supply connectors to Mate-N-Lok connectors or to a terminal block. Mate-N-Lok shall be certified for 600V operation. Internal wire connectors shall be crimp connector only and rated at 1000V and 150°C. All wiring to be CSA certified and/or UL listed, type SFF-2, SEWF-2, or SEW-2 No. 14 gauge, 150°C, 600V, and color coded for the required voltage.

THERMALS

Fixtures tested by a DOE sanctioned test facility to determine the maximum In-Situ solder-point or junction-point temperatures of the LED emitters. This report will be made available.

FINISH

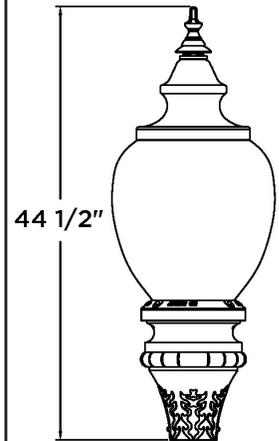
Housing is finished with a 13 step Kingcoat™ SuperDurable polyester TGIC powder coat. Standard colors include strobe white, brown metal, marina blue, gate gray, Chicago bronze, standard gold, federal green and rain forest. RAL and custom color matches are available. Please see the King Color selector for complete list of colors.

MISCELLANEOUS

All exterior hardware and fasteners, wholly or partly exposed, shall be stainless-steel alloy. All internal fasteners are stainless-steel or zinc coated steel. All remaining internal hardware is stainless steel, aluminum alloy, or zinc coated steel.

WARRANTY

K118R Washington LED fixtures come with a 7 year limited warranty.



CERTIFICATION:

CSA US Listed
Suitable for wet locations
ISO 9001
IP66
DLC
ARRA Compliant
LM79 / LM80 Compliant

DRIVER INFO:

>0.9 Power Factor
<20% Total Harmonic Distribution
120 - 277v & 480v
-35°C Minimum Temperature
65°C Maximum Ambient
Operating Temperature
20KA/ 10Kv Surge Protection

EPA:

1.60 sq. ft.

FIXTURE WEIGHT:

46 lbs.

DESIGNLIGHTS
CONSORTIUM



VO02
3-12-2014

Appendix 2

Power & Lumens

WASHINGTON LED ACORN - K118



Test Voltage: 120v
Nominal Color Temperature: 4500K¹
1036 Engine Series: 36 Emitters (40 - 75W)
1054 Engine Series: 54 Emitters (100 -120W)
LED Engine + Driver Rated Life = 100,000hrs²

To learn more about the B2 Optic, please see the B2 Optic Information Sheet

Fixture Catalogue Code	Photometric Test Report Number	Distribution	Nominal Watts	mA @ Emitter	Driver Output Current	Engine Series	BUG Rating	Delivered Lumens ³	Efficacy (LM/W) ³	HID Equivalent ⁴
K118-B3XX-IV-60(SSL)-1036-120	118B3AR46045	Type IV	60	500	3000	1036	1-3-2	4228	69.8	70 - 100
K118-B3XX-IV-75(SSL)-1036-120	118B3AR47545	Type IV	75	667	4000	1036	1-3-3	5429	65.8	100 - 150
K118-B3XX-IV-100(SSL)-1054-120	118B3AR41045	Type IV	100	533	4800	1054	1-3-3	6846	73.5	150 - 200

B3 = 3rd Generation Baffled Array



Test Voltage: 120v
Nominal Color Temperature: 4500K¹
1042 Engine Series: 42 Emitters (40 - 75W)
1063 Engine Series: 63 Emitters (100 -120W)
LED Engine + Driver Rated Life = 100,000hrs²

To learn more about the B2 Optic, please see the B2 Optic Information Sheet

Fixture Catalogue Code	Photometric Test Report Number	Distribution	Nominal Watts	mA @ Emitter	Driver Output Current	Engine Series	BUG Rating	Delivered Lumens ³	Efficacy (LM/W) ³	HID Equivalent ⁴
K118-B2XX-III-40(SSL)-1042-120	118B2AR34045	Type III	40	278	1670	1042	1-3-1	3454	79.1	50 - 70
K118-B2XX-III-60(SSL)-1042-120	118B2AR36045	Type III	60	417	2500	1042	1-3-2	4352	73	70 - 100
K118-B2XX-III-75(SSL)-1042-120	118B2AR37545H	Type III	75	567	3400	1042	1-3-2	4619	66.9	100 - 150
K118-B2XX-III-100(SSL)-1063-120	118B2AR31045H	Type III	100	444	4000	1063	2-3-2	7317	78.2	150 - 200
K118-B2XX-III-120(SSL)-1063-120	118B2AR31245H	Type III	120	533	4800	1063	2-3-2	7730	71.3	200 - 250
K118-B2XX-V-75(SSL)-1042-120	118B2AR57545H	Type V	75	567	3400	1042	2-3-1	4697	66	100 - 150
K118-B2XX-V-100(SSL)-1063-120	118B2AR51045F	Type V	100	444	4000	1063	2-2-1	4661	51.3	150 - 200

B2 = 2nd Generation Baffled Array



Test Voltage: 120v
Nominal Color Temperature: 4500K¹
1042 Engine Series: 42 Emitters (40 - 75W)
1063 Engine Series: 63 Emitters (100 -120W)
LED Engine + Driver Rated Life = 100,000hrs²

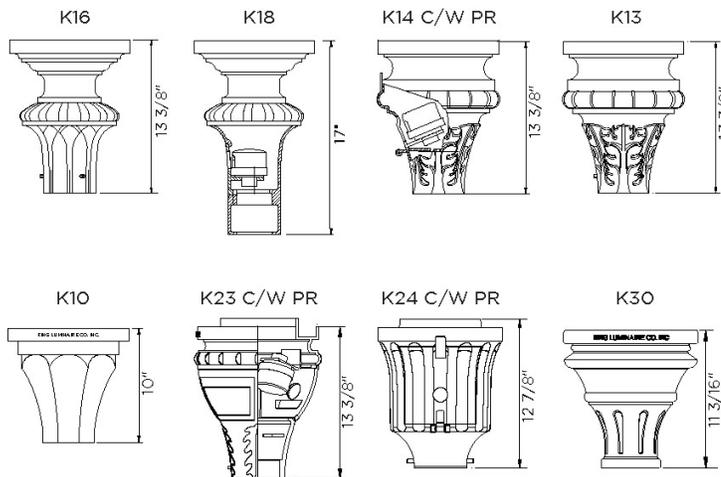
To learn more about the R1 Optic, please see the R1 Optic Information Sheet

Fixture Catalogue Code	Photometric Test Report Number	Distribution	Nominal Watts	mA @ Emitter	Driver Output Current	Engine Series	BUG Rating	Delivered Lumens ³	Efficacy (LM/W) ³	HID Equivalent ⁴
K118-R1XX-III-50(SSL)-1042-120	118RIAR35045	Type III	50	390	2350	1042	1-4-2	3925	79.2	70 - 100
K118-R1XX-III-75(SSL)-1042-120	118RIAR37545H	Type III	75	566	3400	1042	1-4-3	5281	76.7	100 - 150
K118-R1XX-III-100(SSL)-1063-120	118RIAR31045H	Type III	100	444	4000	1063	2-5-3	7144	76.2	150 - 200
K118-R1XX-III-120(SSL)-1063-120	118RIAR31245H	Type III	120	533	4800	1063	2-4-2	8384	78.2	200 - 250

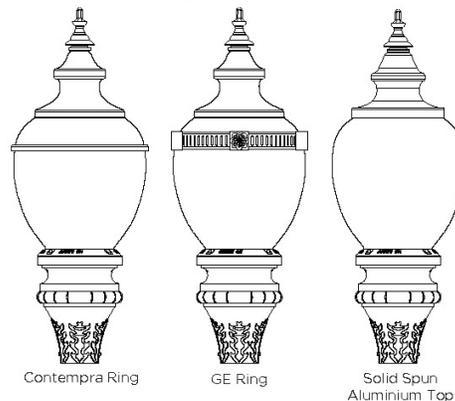
R1 = 1st Generation Refractive Array

Fixture Options

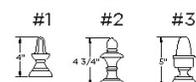
Capitals Options:



Decorative Options:



Finial Options:



¹Color temperature is nominal, please see test report for specific chromaticity information

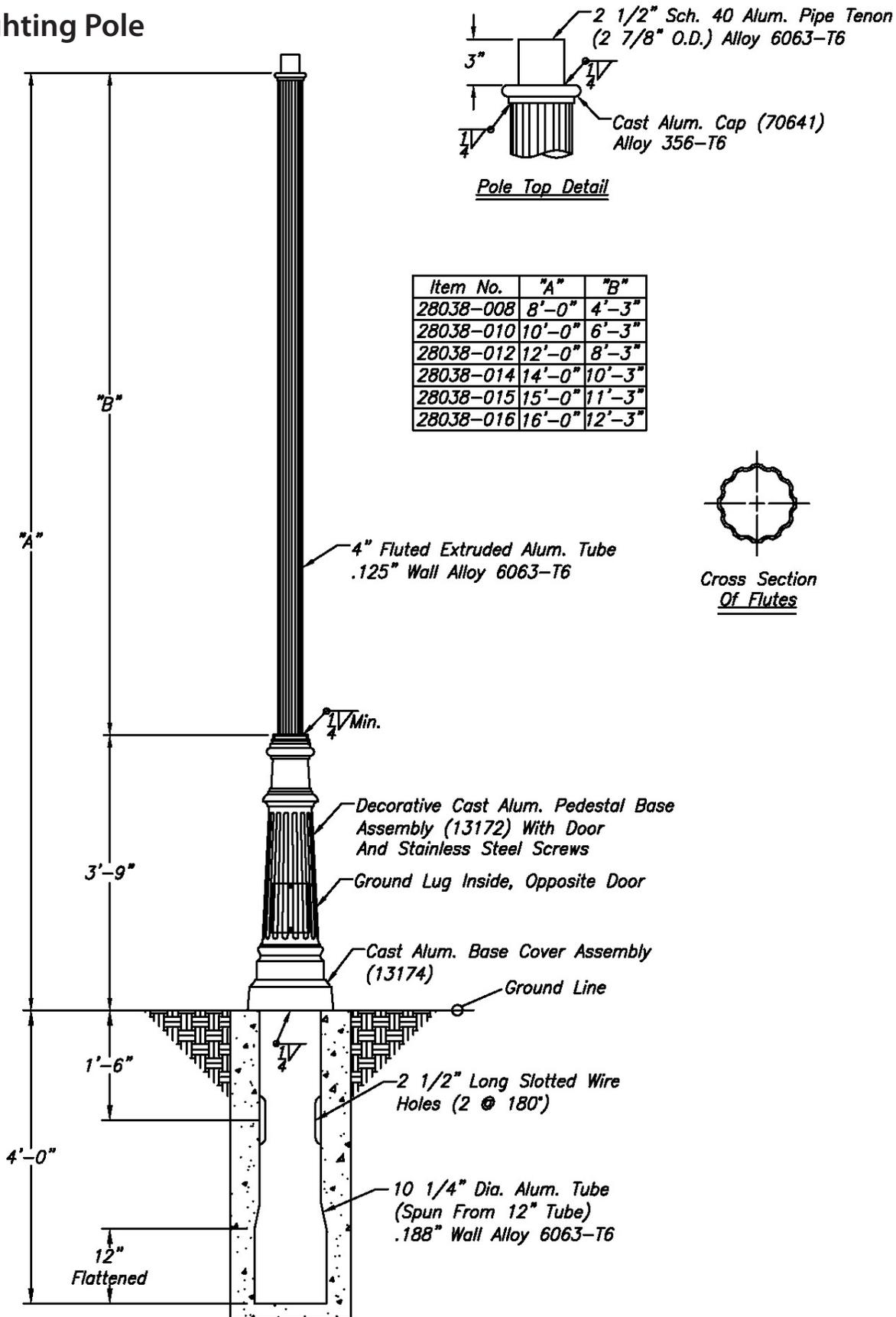
²Contact factory for TM21 information

³Due to the continuous advancements in LED technology, luminaire delivered lumen and efficacy is subject to change without notice at the discretion of King Luminaire

⁴Equivalence should always be confirmed by performing a photometric layout, due to the variability of performance requirements and application criteria

Appendix 4

Lighting Pole



Appendix 5

Breakaway Base

