IV.E.

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Architectural Review Board Staff Report

Project Type: Site Development Section Plan

Meeting Date: November 14, 2019

From: Chris Dietz, Planner

Location: North of Chesterfield Airport Road, east of its intersection with Chesterfield Commons Drive and abutting Interstate 64.

Applicant: Core States Group

Description: **Kemp Auto Museum, Lot B (Chase):** A Site Development Section Plan, Landscape Plan, Architectural Elevations and Architect's Statement of Design for a 1.03-acre tract of land zoned "PC"—*Planned Commercial District* located north of Chesterfield Airport Road, east of its intersection with Chesterfield Commons Drive.

PROPOSAL SUMMARY

This request is for the development of Lot B of the Kemp Auto Museum subdivision, including a proposed 3,470 square-foot financial institution with drive-thru ATM. A Specialty Lighting Package that comes in conjunction with this proposal has been submitted separately. The subject site is zoned "PC" Planned Commercial District and is governed under City of Chesterfield Ordinance 2911.

HISTORY OF SUBJECT SITE

Recently, the City of Chesterfield approved Ordinance 2911 on September 7, 2016 which rezoned the property from "PC/MAA" Planned Commercial District with a Museum and Arts Overlay District to a new "PC" Planned Commercial District. In June 2017 the Site Development Concept Plan was approved for the Kemp Auto Museum subdivision, which included two (2) lots: Lot A currently serves as an auto dealership (Tesla), and Lot B—the subject site of this proposal. Table 1 provides an overview of the property's zoning history and use over time.

Year	Zoning Change	Ord.	Land Use
1974	"FP NU" Floodplain Non-Urban to "FP M3" Floodplain Planned Industrial	SLC 7014	Industrial
2002	"NU" Floodplain Non-Urban and "M3" Planned Industrial combined into single "PC" Planned Commercial District	#1902	Auto Museum
2004	"MAA" Museum & Arts Overlay District added to "PC" Planned Commercial District	#2116	Auto Museum
2016	"PC/MAA" Planned Commercial District with Museum & Arts Overlay District to a new "PC" Planned Commercial District.	#2911	Auto Dealership (Tesla)

Table 1: *Zoning History*

(Continued)

In accordance with the Chesterfield Valley Design Requirements, parking should be located "primarily to the side or rear of any building facade facing I-64/US 40 or along North Outer 40." All of the proposed parking spaces are located on the northern side of the building, south of the access drive. Accessible parking is located near the front entrance on the north side of the site.

General Requirements for Building Design:

All projects should address the following building requirements: Scale, Design, Materials, Colors, Landscape, Screening, and Lighting. This request is to allow for the development of a 3,470 square foot mixed-use building on Lot B.

A. Scale

The scale of the 3,470 square-foot building and parking area correlate to the compact size of the site with the structure itself oriented toward Chesterfield Airport Road. However, the opposite elevation facing the parking area serves as the main entrance and is consistent in massing and material with the rest of the building. The one-story building is designed to human-scale with a hip-roof tower element adorning the top of the building. At its highest point, the main structure reaches approximately 26 feet in height from finished grade. Accordingly, the ATM structure maintains a similar roofline to the main structure and serves one vehicle at a time. The site also maintains a 30' landscape buffer to break up the building's prominence along Chesterfield Airport Road and along Interstate 64 where applicable.

B. Design

With the hip-roof element serving as the highest point (26 feet in height), the rest of the building maintains a consistent height of 19 feet from finished grade, with the exception of the parapet above the main entrance on the north elevation, measuring 21 feet in height. Both north and south elevations feature a metal canopy/trim painted blue above the main entrance and large window area, respectively.

The massing of the building is broken up horizontally with reliefs and cornices found consistently on each elevation of the structure. Vertically, the materials of the exteriors are organized from heavier material at the bottom, such as stone and brick, to lighter EIFS material at the top. Large windows found on both north and south elevations balance the heavier material by forming an element of openness to the road and parking area. The trash enclosure and ATM structure will utilize the same materials found on the main building, with blue bollards found around the ATM structure. An opportunity for recycling will be provided as well. Figures 3 through 8 below depict all proposed elevations for the site.

(Continued)

Figure 3: *North Elevation (From Interstate 64)*

Figure 4: *South Elevation (From Chesterfield Airport Road)*

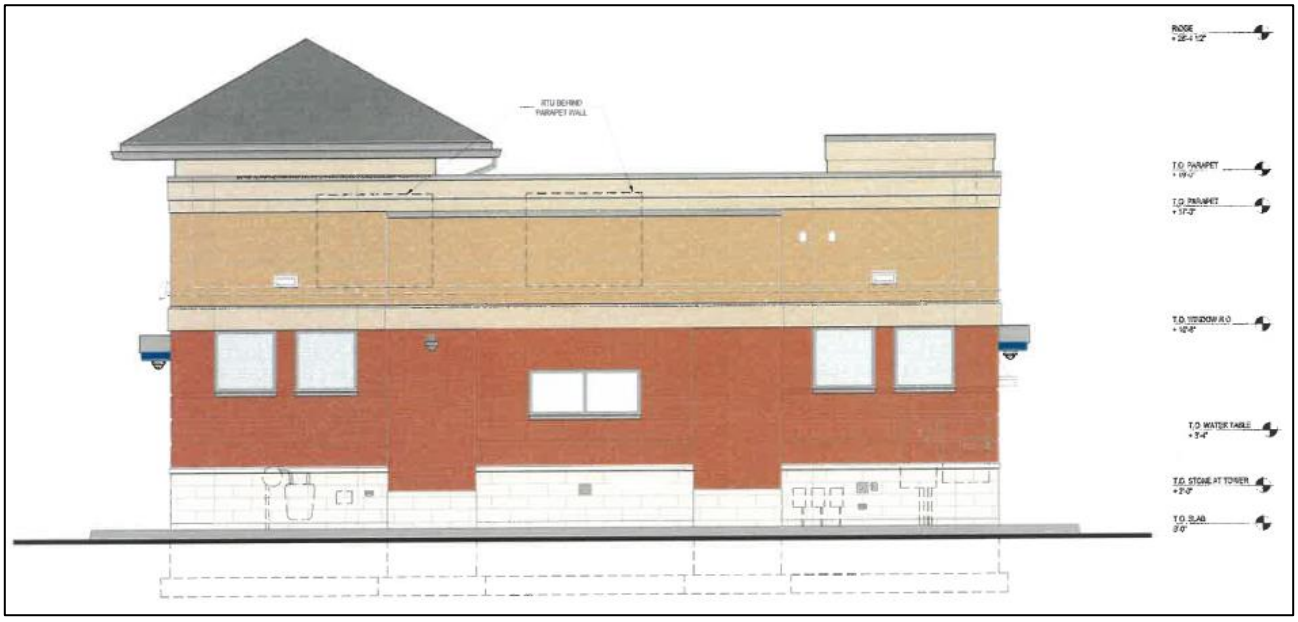


Figure 5: *East Elevation*

(Continued)

Figure 6: *West Elevation*

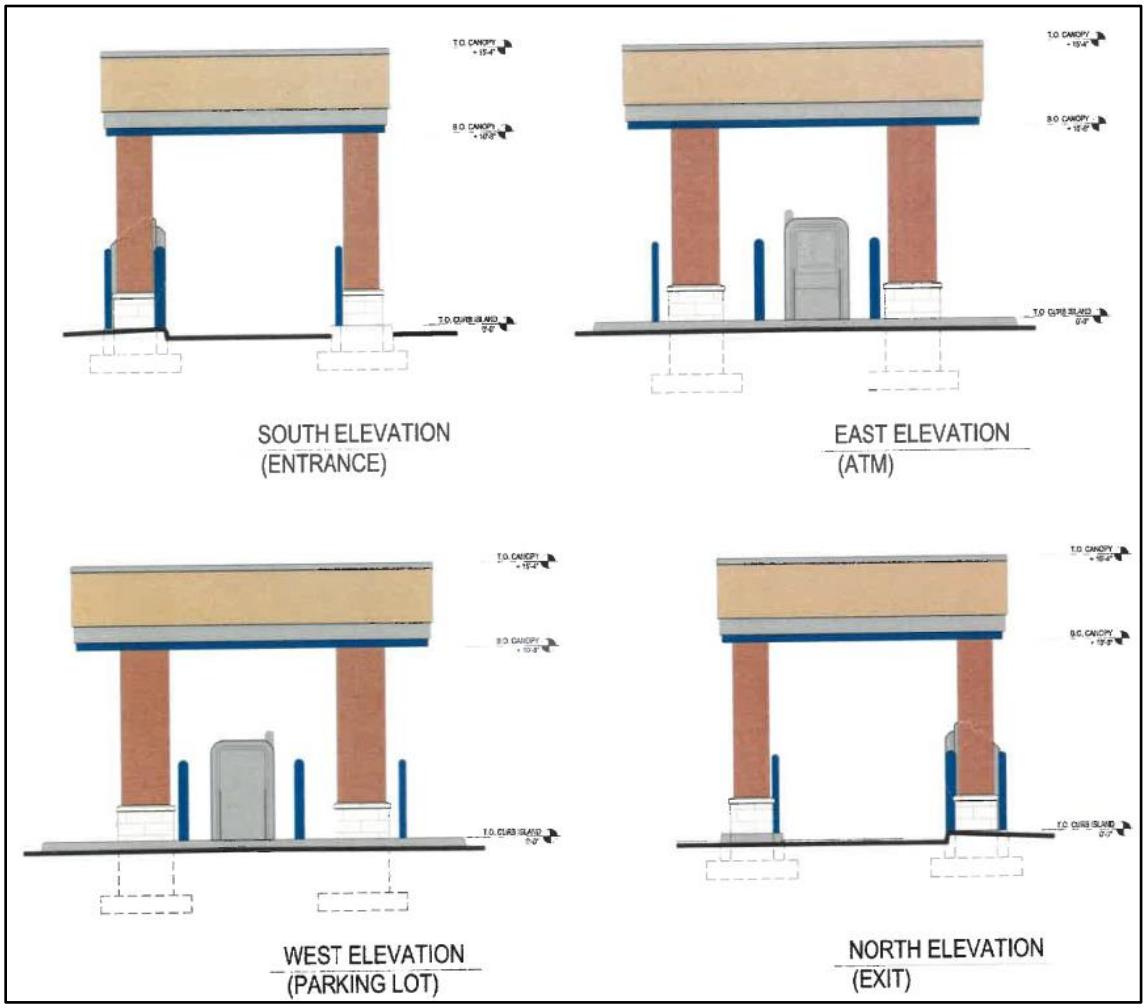


Figure 7: *ATM Elevations*

(Continued)

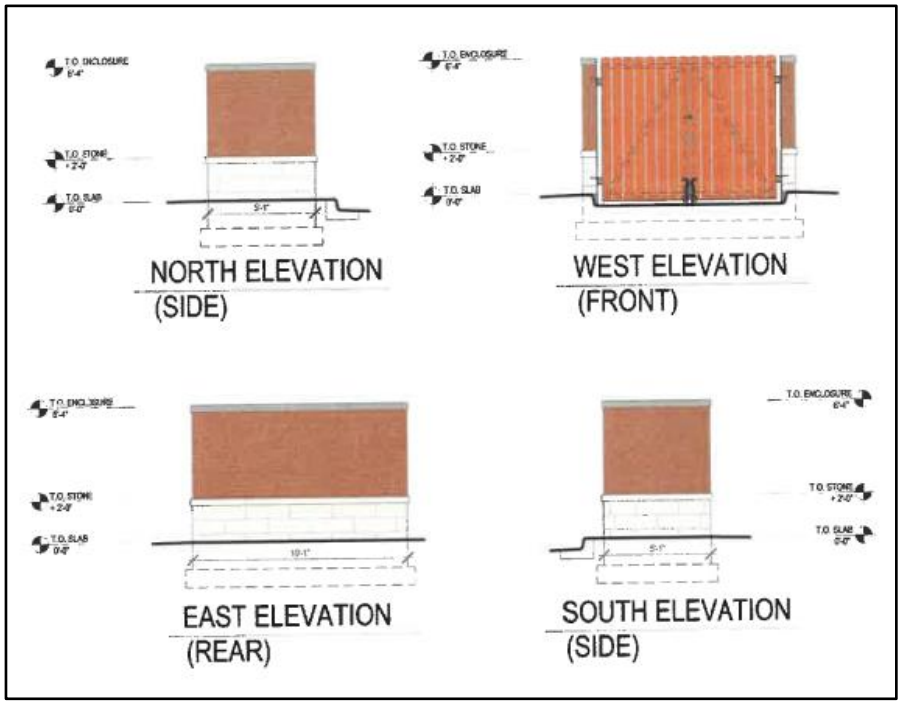


Figure 8: *Enclosure Elevations*

C. Materials and Color

Materials on the building include brick massing intended to match that of the adjacent shopping center. At the base, stone continues around each elevation of the structure with stone banding and painted EIFS above the brick massing, also consistent on each elevation with a metal canopy/trim, painted blue, accentuating both the north and south elevations. These materials and organization are incorporated into the design of the enclosure and ATM structure as well.

D. Landscape Design and Screening

A small portion in the northwest corner abutting Interstate 64 will be utilized as screening area only, with additional evergreen plantings enhancing the wooded area already existing in this location. Deciduous plantings are also added in this area north of the access drive to offset the additional parking requested, per UDC regulations. Landscaping will also be enhanced along Chesterfield Airport Road with the addition of deciduous trees in the 30' landscape buffer along the pedestrian sidewalk, shrub plantings along the north and south exteriors of the building and landscaping around the base of the freestanding monument sign.

The trash enclosure is over six (6) feet in height and will be screened with evergreen plantings. Multiple deciduous trees are to be planted throughout the parking area. Please note that most of the land north of the access drive is situated on an adjacent lot (Tesla) and thus will not be subject to additional screening from I-64. Regarding rooftop mechanical unit (RTU) screening, there are two RTUs proposed for this building, both of which are adequately screened, as illustrated on both south and east elevations.

(Continued)

E. Lighting

Lighting is planned in association with the proposed development as required by the City of Chesterfield. The Lighting plan includes two (2) recessed canopy lighting fixtures underneath the ATM canopy and three (3) downlighting fixtures beneath each of the main building's north and south elevations' canopies. Parking areas will be illuminated by six (6) pole-mounted fixtures, while the pedestrian walkway connecting to the sidewalk along Chesterfield Airport Road will be lit by a similar fixture. There will also be a pole-mounted fixture that will serve as a streetlight along Chesterfield Airport Rd. This is required per UDC lighting regulations and is consistent with the lighting fixture utilized by the adjacent lot for streetlighting. All pole-mounted fixtures for this project measure at 20', per UDC regulations. Finally, one (1) wall-mounted downlighting fixture will be placed above the secondary entrance on the south elevation of the building.

Lights that are not fully shielded flat lensed fixtures will require separate approval from the Planning Commission. Additionally, a specialty lighting package will also be reviewed separately for this development by the Board. All cutsheets for the proposed lighting are included in the packet submitted.

F. Signage

Signage is not part of the proposal before the Architectural Review Board and will be reviewed separately.

G. Exterior Renderings

Figure 9: *North Elevation as seen by vehicles traveling east on I-64.*

Figure 10: *South Elevation as seen by vehicles traveling west on Chesterfield Airport Rd.*

(Continued)

DEPARTMENT INPUT

Be advised, this project is still going through development review by City Staff and will not proceed to the Planning Commission until all outstanding items have been addressed. All recommendations made by the ARB will be included in Staff's report to the Planning Commission.

Staff requests review and recommendation on this submittal for Kemp Auto Museum, Lot B.

MOTION

The following options are provided to the Architectural Review Board for consideration relative to this application:

1) "I move to forward the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for Kemp Auto Museum, Lot B, as presented, with a recommendation for approval (or denial) to the Planning Commission."
2) "I move to forward the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for Kemp Auto Museum, Lot B to the Planning Commission with the following recommendations…"

Attachments

1. Architectural Review Packet Submittal

engineering
architecture
project management
construction management
permitting
development services

CORE STATES GROUP

September 26, 2019

City of Chesterfield, MO
Architectural Review Board
690 Chesterfield Pkwy W
Chesterfield, MO 63017

Re:Chase Bank, Chesterfield MO
16897 Chesterfield Airport Rd.
Core States Group – **Architect's Statement of Design Intent - Revised**

To who it may concern,

Regarding the proposed Chase Bank on Chesterfield Airport Rd., the design requirements for development in Chesterfield Valley are being addressed with a combination of design features, finish materials, and scale/massing proportions. Stone, brick, projecting cornice details and fenestration patterns, are compatible in scale to the materials. Massing, proportion and rhythm of the building, relief planes and finishes from the front elevation, are repeated on the side and rear elevations of the building.

Primarily a 3-part façade, a central entrance form and two prominent ends are connected by smaller building insets, with the general feeling of symmetry and balance, without being symmetrical. Each narrower building end has a central inset or projecting element for similar 3-part rhythm. The entrance has anodized aluminum storefront, glass and a projecting metal canopy which are repeated on the opposite side of the central mass for consistency, along with similar fenestration and accents from the flanking masses being carried around the building corners. A stone base, center brick wall, and upper EIFS walls with relief banding are layered vertically for a consistent appearance on all elevations, and a natural progression from heaviest up through lighter materials. A hip roof 'tower element' adorns the Chesterfield Airport Road façade above a large window, inviting views through the building to the entrance from the northern parking area.

Building accent lighting in Chase Blue shines up on the façade facing I-64/US-40 using small LED strip lights from the canopy top. These lights illuminate the details of the materials and texture/relief of the upper building features and tower element. No flood lighting is applied to the general building surface.

A Chase standard bicycle rack is located near the entrance, at the northwest corner of the building, satisfying the design need for bicycle accommodation equipment.

In further compliance with the special design requirements for Chesterfield Valley, the trash enclosure is screened by evergreen trees, and its design complements the main building, using similar materials. Three sides of the enclosure are designed with solid walls in stone and brick, with cap details borrowed from the main building. The gates are composed of solid slats in complementary colors. Further screening is not required, as there are no loading areas and no outdoor storage of goods, materials, nor automobiles for sale. Chase operations includes shred bins in the project, which offer the opportunity for recycling.

As a new site development, all utilities and building services are planned as underground connections. Parking is positioned to the west and north side of the building. The parking lot has been positioned over 140 feet away from the I-64 right of way on the opposite side of the access roadway serving this property. Also, all the existing trees to the north of this access roadway are to remain in place. Additional trees will be planted around the perimeter of the parking area.

The main parking and side lot are screened from Chesterfield Airport Road, where the view includes the hip roof 'tower' as a primary architectural feature. The main parking area facing I-64/US-40 is carefully integrated with the building entrance, drive-up ATM approach and traffic flow, given the narrow east-west dimensions that restrict the small site. There are no loading areas to screen and the site landscaping design, including tree retention along the I-64/US-40 right of way, is complimentary to the integrated site layout.

Core States Group has positioned the building, drive, parking and site service elements as a coordinated design to best balance the specific design requirements for Development in Chesterfield Valley. This will provide a functioning business that will serve the community and enhance the quality of life in Chesterfield as the City of Choice in the St. Louis Region.

Sincerely,

R. Bruce LaSurs, AIA
Senior Project Architect
Core States Group Inc.

DeLong Landscape Architecture, LLC

7620 West Bruno Ave
St. Louis, MO 63117
Phone: 314-346-4856
delong.la@gmail.com

June 11, 2019

Mr. Randy Mardis
Landscape Technologies, LLC
67 Jacobs Creek Drive
ST. Charles, MO. 63304

Re: Chase Bank, 16985 Chesterfield Airport Rd.

Dear Mr. Mardis:

I preformed a site visit on above date and have determined that there are no woodlands on this site. There are several landscape trees with a total canopy of 3,541 sf.

It is our opinion that a Tree Stand Delineation Plan is not required for this site and that this letter meets that requirement.

Respectfully,

DeLong Landscape Architecture, LLC

Douglas A. DeLong
Member

LIGHT SYMBOL
FROM LIGHTING PLAN:

Lumination™ LED Luminaires

Downlights Powered by Infusion™

DI4R - 4" Round Aperture

Project name _____

Date _____

Type _____

Product Description:

Lumination DI Series LED downlights are powered by the Infusion™ downlight module for exceptional efficacy and color rendering. Designed for new construction applications, the DI4R is available in four color temperatures and three lumen packages, all with 90+ CRI. Matching custom engineered reflectors ensure a 45 degree cutoff. The twist-in Infusion DLM LED module allows for tool-free replacement and upgrade as LED technology advances, ensuring the lowest total cost of ownership.

Performance Summary:

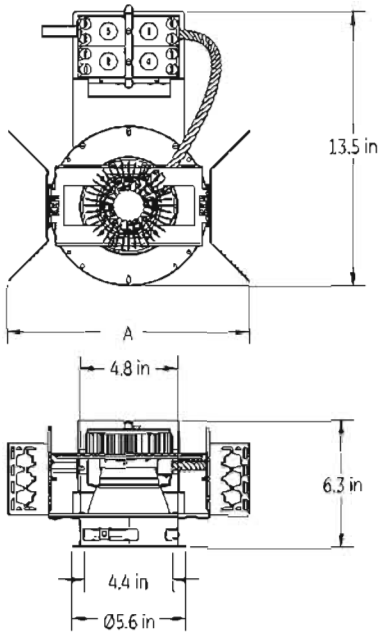
Distribution Patterns: Wide
Input Voltage: 120, 277V, 347V
Dimming Options: 0-10V, Phase Dimming, Lutron, Dali or Daintree to 10%
CCT: 2700K, 3000K, 3500K, 4000K
CRI: 90
Color Consistency: 4 Step MacAdam Ellipse
Lifetime Rating: L85 @ 50,000 Hrs
Input Frequency (Hz): 60Hz
Power Factor: >0.9
Mounting Options: Hanger bars for grid or drywall ceilings
Weight: 5.1 lb
IC Rating: Non-IC Rated
Limited Warranty: 5 years system
Files Available: LM79, LM80, IES, Revit

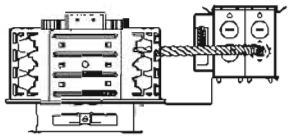
Nominal Module Lumens	1000	1500	2000	3000	4000
Delivered Lumen Output	870	1290	1750	2620	3426
System Input Power (W)	14	20	25	38	51
System Efficacy (LPW)	62	66	70	69	67
Emergency Mode Lumens	630	630	630	630	630

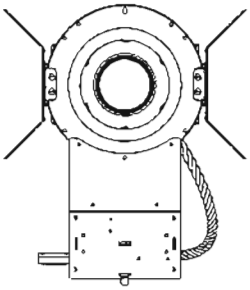
Daintree driver adds 1.4 Watts to System Input Power (W).

Product Dimensions:

DI4R







Driver Option	Dimension 'A'
10; PH; LU	12.0 in
TQ; DL	14.8 in

Listings: cULus LISTED

- UL and cUL Listed.
- Suitable for damp locations.
- Wet Rated option standard.

DaintreeNetworks

a product of ecomagination

Ordering Information: A complete fixture consists of a Housing + Reflector

For shortest lead times, order **standard reflector options shown in bold.**

1. Housing - Example: DI4R209351V10

D I 4 R _ _ _ _ _ _ _ _ _ _ _ _ _ _

LUMINAIRE SKU							
INTERNAL CODE	FIXTURE TYPE	MODULE LUMEN OUTPUT	CRI/CCT	VOLTAGE	DRIVER	OPTIONS
DI	4R = 4" Round Downlight	**10** = 1000 LM **15** = 1500 LM **20** = 2000 LM **30** = 3000 LM **40** = 4000 LM	**927** = 90CRI, 2700K **930** = 90CRI, 3000K **935** = 90CRI, 3500K **940** = 90CRI, 4000K	**1V** = 120V **2V**[4] = 277V **3V** = 347V	**10** = 0-10V Dimming Driver **PH**[10] = Phase Dimming **LU**[10] = Lutron EcoSystem **TQ**[8] = Daintree **DL**[9] = Dali	**(blank)** = None **EL**[LS] = Bodine Emergency Backup with Remote Test Switch **H** = CCEA Chicago Plenum

2. Reflector - Example: RDI4RWSDWT

R DI4R W _ _ _ _ _ _ _ _

REFLECTOR SKU							
REFLECTOR	HOUSING TYPE	BEAM SPREAD	REFLECTOR FINISH	REFLECTOR COLOR	FLANGE FINISH	LENS OPTIONS
R = Reflector	DI4R = 4" Round	W = Wide 63°	**SD** = Semi-diffused **DF** = Diffused **SP** = Specular **PT** = Painted	**Blank** = Clear (no color) **WE**[1] = Wheat **PW**[1] = Pewter **GO**[1] = Gold **BL**[2] = Black **WT**[3] = White Paint	**WT** = White Paint **MR** = Match Reflector	**(blank)** = No Lens **WR**[6] = Wet Rated (clear and white paint only) **AG** = Anti-Glare

current powered by GE

Accessories

ACCESSORIES	DESCRIPTION CODE	PRODUCT CODE
C-Channel Bar Hangers 25 1/4"	BH3	94890

Ordering Notes:

1. Wheat, pewter, and gold anodized reflector colors available in SD = Semi-Diffuse reflector finish only.
2. Black anodized reflectors available in DF = Diffused finish only.
3. White Painted reflectors only available in PT = Painted reflector finish and WT = White Paint flange finish
4. 277V input, 1000 lumen version and all EL versions are not Energy Star certified.
5. EL option not available with 347V input voltage
6. Wet Rated only available in wide beam spread. (WT and MR trim only)
7. Contact manufacturer for lead time and minimum order quantities.
8. Daintree driver not available with 347V input voltage, EL option and/or H=CCEA option
9. Dali driver not available with 347V input voltage, EL option and/or H=CCEA option.
10. Phase dimming only available with 1000, 1500, and 2000 lumen packages. Lutron Ecosystem only available with 1000, 1500, and 2000 lumen packages.

Note: 5% less lumens when using anti-glare reflectors

LIGHT SYMBOL FROM LIGHTING PLAN:

D-Series Size 0
LED Area Luminaire

Catalog Number

Notes

Type

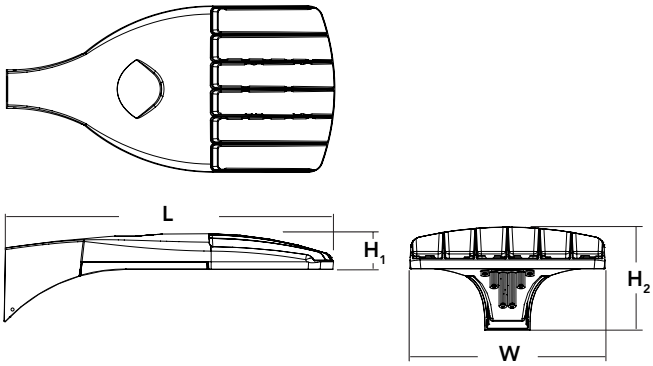
Hit the Tab key or mouse over the page to see all interactive elements.

Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 400W metal halide with typical energy savings of 70% and expected service life of over 100,000 hours.

Specifications

EPA:	0.95 ft² (.09 m²)
Length:	26" (66.0 cm)
Width:	13" (33.0 cm)
Height$_1$:	3" (7.62 cm)
Height$_2$:	7" (17.8 cm)
Weight (max):	16 lbs (7.25 kg)



A+ Capable options indicated by this color background.

Ordering Information

EXAMPLE: DSX0 LED P6 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX0 LED

Series	LEDs	Color temperature	Distribution	Voltage	Mounting
DSX0 LED	**Forward optics** P1 P4 P7 P2 P5 P3 P6 **Rotated optics** P10[1] P12[1] P11[1] P13[1]	30K 3000 K 40K 4000 K 50K 5000 K	T1S Type I short T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium TFTM Forward throw medium T5VS Type V very short T5S Type V short T5M Type V medium T5W Type V wide BLC Backlight control[2] LCCO Left corner cutoff[2] RCCO Right corner cutoff[2]	MVOLT[3,4] 120[4] 208[4] 240[4] 277[4] 347[4,5] 480[4,5]	**Shipped included** SPA Square pole mounting RPA Round pole mounting WBA Wall bracket SPUMBA Square pole universal mounting adaptor[6] RPUMBA Round pole universal mounting adaptor[6] **Shipped separately** KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish)[7]

Control options		Other options	Finish *(required)*
Shipped installed		**Shipped installed**	
NLTAIR2 nLight AIR generation 2 enabled[8,9]	PIR High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc[13,14]	HS House-side shield[16]	DDBXD Dark bronze
PIRHN Network, high/low motion/ambient sensor[10]	PIRH High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc[13,14]	SF Single fuse (120, 277, 347V)[4]	DBLXD Black
PER NEMA twist-lock receptacle only (control ordered separate)[11]	PIR1FC3V High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc[13,14]	DF Double fuse (208, 240, 480V)[4]	DNAXD Natural aluminum
PER5 Five-pin receptacle only (control ordered separate)[11,12]	PIRH1FC3V High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc[13,14]	L90 Left rotated optics[1]	DWHXD White
PER7 Seven-pin receptacle only (leads exit fixture) (control ordered separate)[11,12]	FAO Field adjustable output[15]	R90 Right rotated optics[1]	DDBTXD Textured dark bronze
DMG 0-10V dimming extend out back of housing for external control (control ordered separate)		DDL Diffused drop lens[16]	DBLBXD Textured black
		Shipped separately	DNATXD Textured natural aluminum
		BS Bird spikes[17]	DWHGXD Textured white
		EGS External glare shield[17]	

Ordering Information

Accessories

Ordered and shipped separately.

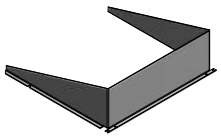
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) [18]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) [18]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [18]
DSHORT SBK U	Shorting cap [18]
DSX0HS 20C U	House-side shield for P1,P2,P3 and P4 [16]
DSX0HS 30C U	House-side shield for P10,P11,P12 and P13 [16]
DSX0HS 40C U	House-side shield for P5,P6 AND P7 [16]
DSX0DDL U	Diffused drop lens (polycarbonate) [16]
PUMBA DDBXD U*	Square and round pole universal mounting bracket adaptor (specify finish) [19]
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) [6]

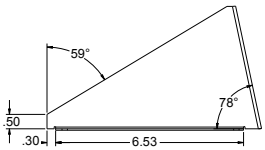
For more control options, visit DTL and ROAM online. Link to nLight Air 2

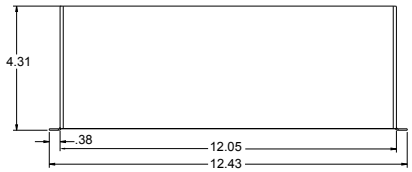
NOTES

1 P10, P11, P12 and P13 and rotated options (L90 or R90) only available together.
2 Not available with HS or DDL.
3 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
4 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
5 Not available in P4, P7 or P13. Not available with BL30, BL50 or PNMT options.
6 Universal mounting brackets intended for retrofit on existing pre-drilled poles only. 1.5 G vibration load rating per ANCI C136.31.
7 Must order fixture with SPA mounting. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
8 Must be ordered with PIRHN.
9 Sensor cover available only in dark bronze, black, white and natural aluminum colors.
10 Must be ordered with NLTAIR2. For more information on nLight Air 2 visit this link
11 Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
12 If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Shorting Cap included.
13 Reference Motion Sensor table on page 3.
14 Reference PER Table on page 3 to see functionality.
15 Not available with other dimming controls options.
16 Not available with BLC, LCCO and RCCO distribution.
17 Must be ordered with fixture for factory pre-drilling.
18 Requires luminaire to be specified with PER, PER5 or PER7 option. See PER Table on page 3.
19 For retrofit use only.

EGS – External Glare Shield

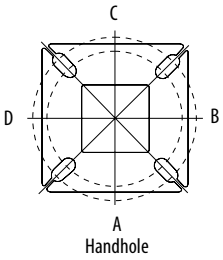


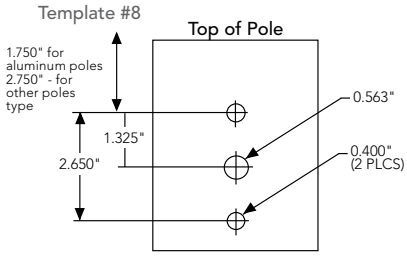




Drilling

HANDHOLE ORIENTATION
(from top of pole)





Tenon Mounting Slipfitter

Tenon O.D.	Single Unit	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2-3/8"	AST20-190	AST20-280	AST20-290	AST20-320	AST20-390	AST20-490
2-7/8"	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

							
Mounting Option	**Drilling Template**	**Single**	**2 @ 180**	**2 @ 90**	**3 @ 90**	**3 @ 120**	**4 @ 90**
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS
		Minimum Acceptable Outside Pole Dimension					
SPA	#8	2-7/8"	2-7/8"	3.5"	3.5"		3.5"
RPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
SPUMBA	#5	2-7/8"	3"	4"	4"		4"
RPUMBA	#5	2-7/8"	3.5"	5"	5"	3.5"	5"

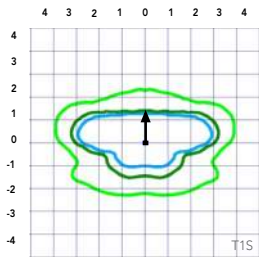
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Area Size 0 homepage.

Isofootcandle plots for the DSX0 LED 40C 1000 40K. Distances are in units of mounting height (20').

LEGEND

- 0.1 fc
- 0.5 fc
- 1.0 fc



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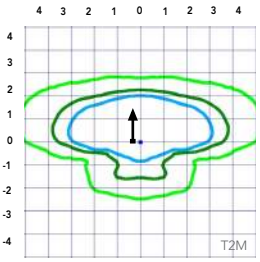

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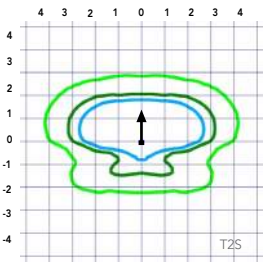
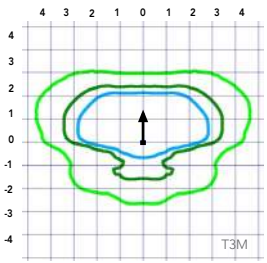


Test No. LTL23457P25 tested in accordance with IESNA LM-79-08.



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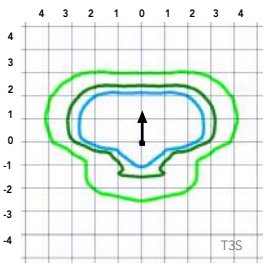

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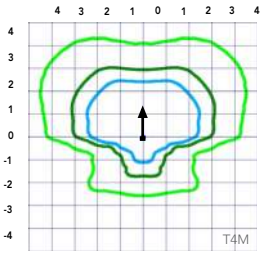

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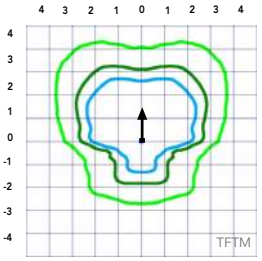

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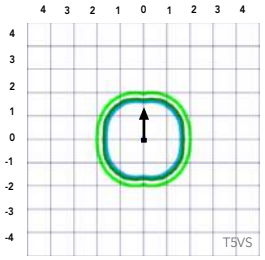

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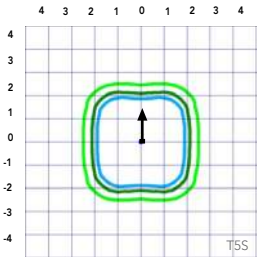

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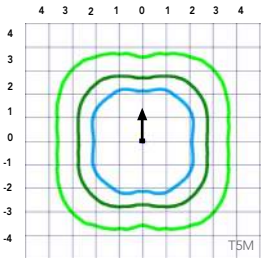

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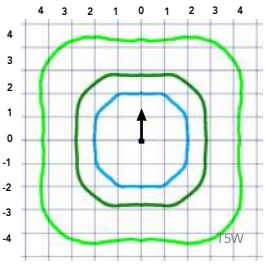

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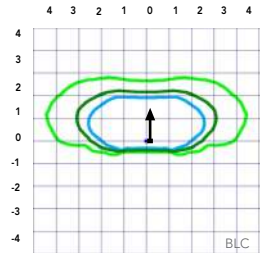

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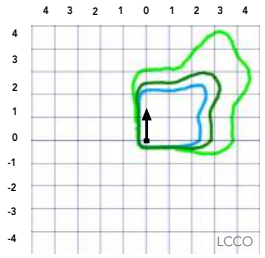

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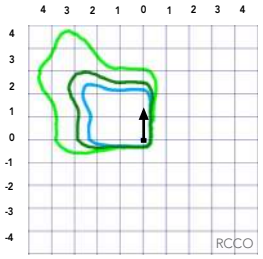


Test No.

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	50°F	1.02
20°C	68°F	1.01
25°C	**77°C**	**1.00**
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	Lumen Maintenance Factor
25,000	0.96
50,000	0.92
100,000	0.85

Motion Sensor Default Settings						
Option	Dimmed State	High Level (when triggered)	Photocell Operation	Dwell Time	Ramp-up Time	Ramp-down Time
PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	5 min	3 sec	5 min
*PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	5 min	3 sec	5 min
*for use with separate Dusk to Dawn or timer.						

Electrical Load

					Current (A)					
	Performance Package	LED Count	Drive Current	Wattage	120	208	240	277	347	480
Forward Optics (Non-Rotated)	P1	20	530	38	0.32	0.18	0.15	0.15	0.10	0.08
	P2	20	700	49	0.41	0.23	0.20	0.19	0.14	0.11
	P3	20	1050	71	0.60	0.37	0.32	0.27	0.21	0.15
	P4	20	1400	92	0.77	0.45	0.39	0.35	0.28	0.20
	P5	40	700	89	0.74	0.43	0.38	0.34	0.26	0.20
	P6	40	1050	134	1.13	0.65	0.55	0.48	0.39	0.29
	P7	40	1300	166	1.38	0.80	0.69	0.60	0.50	0.37
Rotated Optics (Requires L90 or R90)	P10	30	530	53	0.45	0.26	0.23	0.21	0.16	0.12
	P11	30	700	72	0.60	0.35	0.30	0.27	0.20	0.16
	P12	30	1050	104	0.88	0.50	0.44	0.39	0.31	0.23
	P13	30	1300	128	1.08	0.62	0.54	0.48	0.37	0.27

Controls Options

Nomenclature	Descripton	Functionality	Primary control device	Notes
FAO	Field adjustable output device installed inside the lumiaire; wired to the driver dimming leads.	Allows the lumiaire to be manually dimmed, effectively trimming the light output.	FAO device	Cannot be used with other controls options that need the 0-10V leads
DS	Drivers wired independantly for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two seperately switched circuits. Consider nLight AIR as a more cost effective alternative.
PER5 or PER7	Twist-lock photocell receptacle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire
PIR or PIRH	Motion sensors with integral photocell. PIR for 8-15' mounting; PIRH for 15-30' mounting	Luminaires dim when no occupancy is detected.	Acuity Controls SBOR	Also available with PIRH1FC3V when the sensor photocell is used for dusk-to-dawn operation.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclypse.	nLight Air rSDGR	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app.

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics

Power Package	LED Count	Drive Current	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	20	530	38W	T1S	4,369	1	0	1	115	4,706	1	0	1	124	4,766	1	0	1	125
				T2S	4,364	1	0	1	115	4,701	1	0	1	124	4,761	1	0	1	125
				T2M	4,387	1	0	1	115	4,726	1	0	1	124	4,785	1	0	1	126
				T3S	4,248	1	0	1	112	4,577	1	0	1	120	4,634	1	0	1	122
				T3M	4,376	1	0	1	115	4,714	1	0	1	124	4,774	1	0	1	126
				T4M	4,281	1	0	1	113	4,612	1	0	2	121	4,670	1	0	2	123
				TFTM	4,373	1	0	1	115	4,711	1	0	2	124	4,771	1	0	2	126
				T5VS	4,548	2	0	0	120	4,900	2	0	0	129	4,962	2	0	0	131
				T5S	4,552	2	0	0	120	4,904	2	0	0	129	4,966	2	0	0	131
				T5M	4,541	3	0	1	120	4,891	3	0	1	129	4,953	3	0	1	130
				T5W	4,576	3	0	2	120	4,929	3	0	2	130	4,992	3	0	2	131
				BLC	3,586	1	0	1	94	3,863	1	0	1	102	3,912	1	0	1	103
				LCCO	2,668	1	0	1	70	2,874	1	0	2	76	2,911	1	0	2	77
				RCCO	2,668	1	0	1	70	2,874	1	0	2	76	2,911	1	0	2	77
P2	20	700	49W	T1S	5,570	1	0	1	114	6,001	1	0	1	122	6,077	2	0	2	124
				T2S	5,564	1	0	2	114	5,994	1	0	2	122	6,070	2	0	2	124
				T2M	5,593	1	0	1	114	6,025	1	0	1	123	6,102	1	0	1	125
				T3S	5,417	1	0	2	111	5,835	1	0	2	119	5,909	2	0	2	121
				T3M	5,580	1	0	2	114	6,011	1	0	2	123	6,087	1	0	2	124
				T4M	5,458	1	0	2	111	5,880	1	0	2	120	5,955	1	0	2	122
				TFTM	5,576	1	0	2	114	6,007	1	0	2	123	6,083	1	0	2	124
				T5VS	5,799	2	0	0	118	6,247	2	0	0	127	6,327	2	0	0	129
				T5S	5,804	2	0	0	118	6,252	2	0	0	128	6,332	2	0	1	129
				T5M	5,789	3	0	1	118	6,237	3	0	1	127	6,316	3	0	1	129
				T5W	5,834	3	0	2	119	6,285	3	0	2	128	6,364	3	0	2	130
				BLC	4,572	1	0	1	93	4,925	1	0	1	101	4,987	1	0	1	102
				LCCO	3,402	1	0	2	69	3,665	1	0	2	75	3,711	1	0	2	76
				RCCO	3,402	1	0	2	69	3,665	1	0	2	75	3,711	1	0	2	76
P3	20	1050	71W	T1S	7,833	2	0	2	110	8,438	2	0	2	119	8,545	2	0	2	120
				T2S	7,825	2	0	2	110	8,429	2	0	2	119	8,536	2	0	2	120
				T2M	7,865	2	0	2	111	8,473	2	0	2	119	8,580	2	0	2	121
				T3S	7,617	2	0	2	107	8,205	2	0	2	116	8,309	2	0	2	117
				T3M	7,846	2	0	2	111	8,452	2	0	2	119	8,559	2	0	2	121
				T4M	7,675	2	0	2	108	8,269	2	0	2	116	8,373	2	0	2	118
				TFTM	7,841	2	0	2	110	8,447	2	0	2	119	8,554	2	0	2	120
				T5VS	8,155	3	0	0	115	8,785	3	0	0	124	8,896	3	0	0	125
				T5S	8,162	3	0	1	115	8,792	3	0	1	124	8,904	3	0	1	125
				T5M	8,141	3	0	2	115	8,770	3	0	2	124	8,881	3	0	2	125
				T5W	8,204	3	0	2	116	8,838	4	0	2	124	8,950	4	0	2	126
				BLC	6,429	1	0	2	91	6,926	1	0	2	98	7,013	1	0	2	99
				LCCO	4,784	1	0	2	67	5,153	1	0	2	73	5,218	1	0	2	73
				RCCO	4,784	1	0	2	67	5,153	1	0	2	73	5,218	1	0	2	73
P4	20	1400	92W	T1S	9,791	2	0	2	106	10,547	2	0	2	115	10,681	2	0	2	116
				T2S	9,780	2	0	2	106	10,536	2	0	2	115	10,669	2	0	2	116
				T2M	9,831	2	0	2	107	10,590	2	0	2	115	10,724	2	0	2	117
				T3S	9,521	2	0	2	103	10,256	2	0	2	111	10,386	2	0	2	113
				T3M	9,807	2	0	2	107	10,565	2	0	2	115	10,698	2	0	2	116
				T4M	9,594	2	0	2	104	10,335	2	0	3	112	10,466	2	0	3	114
				TFTM	9,801	2	0	2	107	10,558	2	0	2	115	10,692	2	0	2	116
				T5VS	10,193	3	0	1	111	10,981	3	0	1	119	11,120	3	0	1	121
				T5S	10,201	3	0	1	111	10,990	3	0	1	119	11,129	3	0	1	121
				T5M	10,176	4	0	2	111	10,962	4	0	2	119	11,101	4	0	2	121
				T5W	10,254	4	0	3	111	11,047	4	0	3	120	11,186	4	0	3	122
				BLC	8,036	1	0	2	87	8,656	1	0	2	94	8,766	1	0	2	95
				LCCO	5,979	1	0	2	65	6,441	1	0	2	70	6,523	1	0	3	71
					5,979	1	0	2	65	6,441	1	0	2	70	6,523	1	0	3	71

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics

Power Package	LED Count	Drive Current	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P5	40	700	89W	T1S	10,831	2	0	2	122	11,668	2	0	2	131	11,816	2	0	2	133
				T2S	10,820	2	0	2	122	11,656	2	0	2	131	11,803	2	0	2	133
				T2M	10,876	2	0	2	122	11,716	2	0	2	132	11,864	2	0	2	133
				T3S	10,532	2	0	2	118	11,346	2	0	2	127	11,490	2	0	2	129
				T3M	10,849	2	0	2	122	11,687	2	0	2	131	11,835	2	0	2	133
				T4M	10,613	2	0	3	119	11,434	2	0	3	128	11,578	2	0	3	130
				TFTM	10,842	2	0	2	122	11,680	2	0	2	131	11,828	2	0	2	133
				T5VS	11,276	3	0	1	127	12,148	3	0	1	136	12,302	3	0	1	138
				T5S	11,286	3	0	1	127	12,158	3	0	1	137	12,312	3	0	1	138
				T5M	11,257	4	0	2	126	12,127	4	0	2	136	12,280	4	0	2	138
				T5W	11,344	4	0	3	127	12,221	4	0	3	137	12,375	4	0	3	139
				BLC	8,890	1	0	2	100	9,576	1	0	2	108	9,698	1	0	2	109
				LCCO	6,615	1	0	3	74	7,126	1	0	3	80	7,216	1	0	3	81
				RCCO	6,615	1	0	3	74	7,126	1	0	3	80	7,216	1	0	3	81
P6	40	1050	134W	T1S	14,805	3	0	3	110	15,949	3	0	3	119	16,151	3	0	3	121
				T2S	14,789	3	0	3	110	15,932	3	0	3	119	16,134	3	0	3	120
				T2M	14,865	3	0	3	111	16,014	3	0	3	120	16,217	3	0	3	121
				T3S	14,396	3	0	3	107	15,509	3	0	3	116	15,705	3	0	3	117
				T3M	14,829	2	0	3	111	15,975	3	0	3	119	16,177	3	0	3	121
				T4M	14,507	2	0	3	108	15,628	3	0	3	117	15,826	3	0	3	118
				TFTM	14,820	2	0	3	111	15,965	3	0	3	119	16,167	3	0	3	121
				T5VS	15,413	4	0	1	115	16,604	4	0	1	124	16,815	4	0	1	125
				T5S	15,426	3	0	1	115	16,618	4	0	1	124	16,828	4	0	1	126
				T5M	15,387	4	0	2	115	16,576	4	0	2	124	16,786	4	0	2	125
				T5W	15,506	4	0	3	116	16,704	4	0	3	125	16,915	4	0	3	126
				BLC	12,151	1	0	2	91	13,090	1	0	2	98	13,255	1	0	2	99
				LCCO	9,041	1	0	3	67	9,740	1	0	3	73	9,863	1	0	3	74
				RCCO	9,041	1	0	3	67	9,740	1	0	3	73	9,863	1	0	3	74
P7	40	1300	166W	T1S	17,023	3	0	3	103	18,338	3	0	3	110	18,570	3	0	3	112
				T2S	17,005	3	0	3	102	18,319	3	0	3	110	18,551	3	0	3	112
				T2M	17,092	3	0	3	103	18,413	3	0	3	111	18,646	3	0	3	112
				T3S	16,553	3	0	3	100	17,832	3	0	3	107	18,058	3	0	3	109
				T3M	17,051	3	0	3	103	18,369	3	0	3	111	18,601	3	0	3	112
				T4M	16,681	3	0	3	100	17,969	3	0	3	108	18,197	3	0	3	110
				TFTM	17,040	3	0	3	103	18,357	3	0	4	111	18,590	3	0	4	112
				T5VS	17,723	4	0	1	107	19,092	4	0	1	115	19,334	4	0	1	116
				T5S	17,737	4	0	2	107	19,108	4	0	2	115	19,349	4	0	2	117
				T5M	17,692	4	0	2	107	19,059	4	0	2	115	19,301	4	0	2	116
				T5W	17,829	5	0	3	107	19,207	5	0	3	116	19,450	5	0	3	117
				BLC	13,971	2	0	2	84	15,051	2	0	2	91	15,241	2	0	2	92
				LCCO	10,396	1	0	3	63	11,199	1	0	3	67	11,341	1	0	3	68
					10,396	1	0	3	63	11,199	1	0	3	67	11,341	1	0	3	68

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Rotated Optics

Power Package	LED Count	Drive Current	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P10	30	530	53W	T1S	6,727	2	0	2	127	7,247	3	0	3	137	7,339	3	0	3	138
				T2S	6,689	3	0	3	126	7,205	3	0	3	136	7,297	3	0	3	138
				T2M	6,809	3	0	3	128	7,336	3	0	3	138	7,428	3	0	3	140
				T3S	6,585	3	0	3	124	7,094	3	0	3	134	7,183	3	0	3	136
				T3M	6,805	3	0	3	128	7,331	3	0	3	138	7,424	3	0	3	140
				T4M	6,677	3	0	3	126	7,193	3	0	3	136	7,284	3	0	3	137
				TFTM	6,850	3	0	3	129	7,379	3	0	3	139	7,472	3	0	3	141
				T5VS	6,898	3	0	0	130	7,431	3	0	0	140	7,525	3	0	0	142
				T5S	6,840	2	0	1	129	7,368	2	0	1	139	7,461	2	0	1	141
				T5M	6,838	3	0	1	129	7,366	3	0	2	139	7,460	3	0	2	141
				T5W	6,777	3	0	2	128	7,300	3	0	2	138	7,393	3	0	2	139
				BLC	5,626	2	0	2	106	6,060	2	0	2	114	6,137	2	0	2	116
				LCCO	4,018	1	0	2	76	4,328	1	0	2	82	4,383	1	0	2	83
				RCCO	4,013	3	0	3	76	4,323	3	0	3	82	4,377	3	0	3	83
P11	30	700	72W	T1S	8,594	3	0	3	119	9,258	3	0	3	129	9,376	3	0	3	130
				T2S	8,545	3	0	3	119	9,205	3	0	3	128	9,322	3	0	3	129
				T2M	8,699	3	0	3	121	9,371	3	0	3	130	9,490	3	0	3	132
				T3S	8,412	3	0	3	117	9,062	3	0	3	126	9,177	3	0	3	127
				T3M	8,694	3	0	3	121	9,366	3	0	3	130	9,484	3	0	3	132
				T4M	8,530	3	0	3	118	9,189	3	0	3	128	9,305	3	0	3	129
				TFTM	8,750	3	0	3	122	9,427	3	0	3	131	9,546	3	0	3	133
				T5VS	8,812	3	0	0	122	9,493	3	0	0	132	9,613	3	0	0	134
				T5S	8,738	3	0	1	121	9,413	3	0	1	131	9,532	3	0	1	132
				T5M	8,736	3	0	2	121	9,411	3	0	2	131	9,530	3	0	2	132
				T5W	8,657	4	0	2	120	9,326	4	0	2	130	9,444	4	0	2	131
				BLC	7,187	3	0	3	100	7,742	3	0	3	108	7,840	3	0	3	109
				LCCO	5,133	1	0	2	71	5,529	1	0	2	77	5,599	1	0	2	78
				RCCO	5,126	3	0	3	71	5,522	3	0	3	77	5,592	3	0	3	78
P12	30	1050	104W	T1S	12,149	3	0	3	117	13,088	3	0	3	126	13,253	3	0	3	127
				T2S	12,079	4	0	4	116	13,012	4	0	4	125	13,177	4	0	4	127
				T2M	12,297	3	0	3	118	13,247	3	0	3	127	13,415	3	0	3	129
				T3S	11,891	4	0	4	114	12,810	4	0	4	123	12,972	4	0	4	125
				T3M	12,290	3	0	3	118	13,239	4	0	4	127	13,407	4	0	4	129
				T4M	12,058	4	0	4	116	12,990	4	0	4	125	13,154	4	0	4	126
				TFTM	12,369	4	0	4	119	13,325	4	0	4	128	13,494	4	0	4	130
				T5VS	12,456	3	0	1	120	13,419	3	0	1	129	13,589	4	0	1	131
				T5S	12,351	3	0	1	119	13,306	3	0	1	128	13,474	3	0	1	130
				T5M	12,349	4	0	2	119	13,303	4	0	2	128	13,471	4	0	2	130
				T5W	12,238	4	0	3	118	13,183	4	0	3	127	13,350	4	0	3	128
				BLC	10,159	3	0	3	98	10,944	3	0	3	105	11,083	3	0	3	107
				LCCO	7,256	1	0	3	70	7,816	1	0	3	75	7,915	1	0	3	76
				RCCO	7,246	3	0	3	70	7,806	4	0	4	75	7,905	4	0	4	76
P13	30	1300	128W	T1S	14,438	3	0	3	113	15,554	3	0	3	122	15,751	3	0	3	123
				T2S	14,355	4	0	4	112	15,465	4	0	4	121	15,660	4	0	4	122
				T2M	14,614	3	0	3	114	15,744	4	0	4	123	15,943	4	0	4	125
				T3S	14,132	4	0	4	110	15,224	4	0	4	119	15,417	4	0	4	120
				T3M	14,606	4	0	4	114	15,735	4	0	4	123	15,934	4	0	4	124
				T4M	14,330	4	0	4	112	15,438	4	0	4	121	15,633	4	0	4	122
				TFTM	14,701	4	0	4	115	15,836	4	0	4	124	16,037	4	0	4	125
				T5VS	14,804	4	0	1	116	15,948	4	0	1	125	16,150	4	0	1	126
				T5S	14,679	3	0	1	115	15,814	3	0	1	124	16,014	3	0	1	125
				T5M	14,676	4	0	2	115	15,810	4	0	2	124	16,010	4	0	2	125
				T5W	14,544	4	0	3	114	15,668	4	0	3	122	15,866	4	0	3	124
				BLC	7919	3	0	3	62	8531	3	0	3	67	8639	3	0	3	67
				LCCO	5145	1	0	2	40	5543	1	0	2	43	5613	1	0	2	44
					5139	3	0	3	40	5536	3	0	3	43	5606	3	0	3	44

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability1
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background[1]

To learn more about A+, visit www.acuitybrands.com/aplus.

1. See ordering tree for details.
2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: Link to Roam; Link to DTL DLL

FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Size 0 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and pedestrian areas.

CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (0.95 ft^2) for optimized pole wind loading.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in 3000 K, 4000 K or 5000 K (70 CRI) configurations. The D-Series Size 0 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L85/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS

The DSX0 LED area luminaire has a number of control options. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. Integrated motion sensors with on-board photocells feature field-adjustable programing and are suitable for mounting heights up to 30 feet.

nLIGHT AIR CONTROLS

The DSX0 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaries can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclypse. Additional information about nLight Air can be found here.

INSTALLATION

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 0 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 0 utilizes the AERIS™ series pole drilling pattern (template #8). Optional terminal block and NEMA photocontrol receptacle are also available.

LISTINGS

UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

WARRANTY

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/resources/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.

EMLED Series - EUE

LIGHT SYMBOL FROM LIGHTING PLAN:

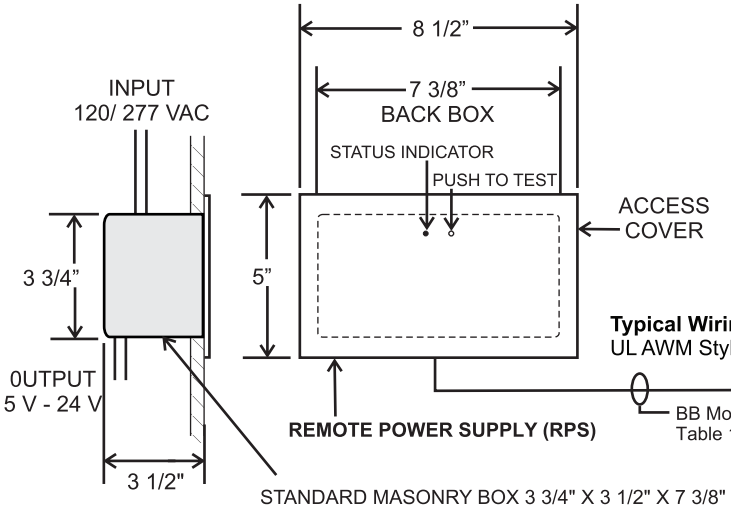
Mullion Mount LED Outdoor Egress with Remote Power Supply

BENEFITS & FEATURES

- Extremely low profile, formed aluminum housing
- Illuminates a uniform 12’ x 25’ area providing safe and effective outdoor emergency egress lighting
- 10 watt Cree LEDs
- Pure white light output of 5600K
- Wet location listed to UL924 and IP66 standards
- Maintenance-free NiCad battery, standard
- Uses a Remote Battery Supply
- Optical LED lens coupled with prismatic polycarbonate lens for optimal light output and protection
- Optional security/night lighting (SEC) allows the fixture to be used as an emergency lighting and as security/night lighting
- Power supply delivers regulated current and voltage to LED lamps at optimum levels to maximize lamp life
- Standard finish: White, Brushed Aluminum, Dark Bronze
- External LED status indicator/ Test Button on Remote Power Supply
- 120-277 volt, 50/60Hz input
- IES photometric data available
- 5 year warranty
- Ambient Temperature Limits: -40º C to +50º C

Architectural Mullion Mount Emergency Light
Operating in emergency mode or optional normal- on, this fixture is designed to mount directly on structural mullion beams used in typical glass-fronted entrances, with vertical surface as small as 2”. This fixture has full 90° cut-off and will provide efficient emergency lighting in front of egress doorways, or along extended pathways.

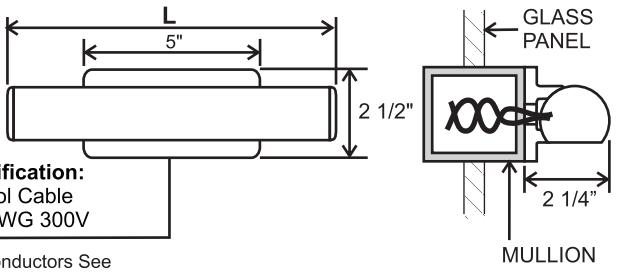
MOUNTING DATA & DIMENSIONS:



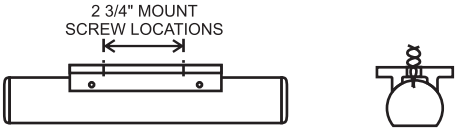
STANDARD MASONRY BOX 3 3/4" X 3 1/2" X 7 3/8"
(SUPPLIED BY OTHERS)

TYPICAL STOCK MODELS:
CROUSE HINDS #TP693
RACO # 698

WALL MOUNT



TOP MOUNT



ORDERING INFORMATION

MODEL	OPERATION	POWER	HOUSING COLOR	MOUNT	OPTIONS
EUE	BB = Battery Backup	10 = 10 Watts	W = Satin White	T = Top	DG= Self-Test Diagnostics (BB Models Only)
			A = Aluminum	W = Wall	SB120= Security Lighting with Control Switch for Standard BB Operation (120V)
			DB = Dark Bronze		SD277= Security Lighting with Control Switch for Standard BB Operation (277V)
			CC= Custom		SD= Security Lighting with Control Switch for BB Operation with DG option (120/277V)
					CW1= Custom Window Filter- 3800K
					CW2= Custom Window Filter- 3200K
					2HT= 2” Canopy Height
					5HT= 5” Canopy Height

Ordering Example: EUE-BB-10-W-T-DG

EMLED Series - EUE

Mullion Mount LED Outdoor Egress with Remote Power Supply

REMOTE POWER SUPPLY (RPS)

The Remote Power Supply is capable of powering the EUE mullion mount unit. The RPS can be mounted in any accessible wall or ceiling. A removable cover allows easy access to the electronics for service.

SECURITY LIGHTING OPTION

The Security Lighting Option allows the fixture to be used both as an emergency lighting fixture and security/night lighting fixture. Models with battery backup and the security lighting option will operate each LED at 2 Watts offering 50% output when in security lighting mode when connected to the active building AC supply and wired according to the installation instructions. The security lighting circuit is independent of emergency lighting and may be switched manually by exterior photocell (supplied by others) or other automatic means.

ELECTRONICS

- Isolated, all solid state power supply with 2- wire universal input from 120 VAC to 277 VAC with precise current and voltage regulation.
- Power supply is surge and spike protected, with a low voltage disconnect.
- The complete power supply module withNICAD battery pack is sealed within a phenolic plastic enclosure. AC and DC wiring is quickly attached with plug connectors.

DIAGNOSTICS OPTION

- An advanced microprocessor monitors all charger functions and battery condition continuously and automatically performs all tests and visual indications required by UL Standard 924.

CODES

- Manufactured and tested to UL Standard 924. Conforms to NFPA Life Safety Code 101, UBC and NEC.

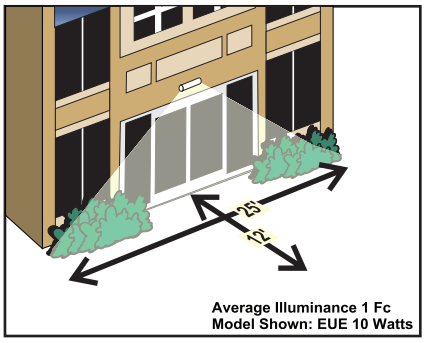
WARRANTY

- 5 year total customer satisfaction warranty.

DESIGNED & MANUFACTURED IN THE USA

Intertek
CONFORMS TO
UL 924/ CSA 22.2 #141

SPACING GUIDE



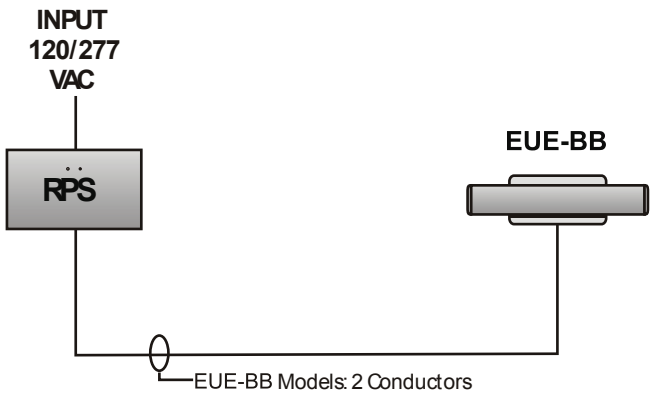
NOTE: FOR REFERENCE ONLY. STANDARD REFLECTANCES 80/50/20. MULE IS NOT RESPONSIBLE FOR SPECIFIC CONDITIONS THAT MAY ALTER THE RESULTS.

SELF- TEST DIAGNOSTIC FUNCTIONS
BB MODELS WITH DG FUNCTION

STATUS	LED DISPLAY
NORMAL FULL CHARGE	GREEN ON
NORMAL FAST CHARGE	ORANGE ON
FAILED BATTERY	RED FLASH FAST
FAILED LAMP	GREEN FLASH
FAILED TRANSFER	ORANGE FLASH
FAILED CHARGER	RED FLASH SLOW

TABLE 1

MAX WIRING LENGTH FROM RPS TO FIXTURE EUE-BB Models	
WIRING SIZE AWG	LENGTH (FT) EUE-BB
#20	100
#18	170
#16	225



Ordering Number Logic

Evolve™ LED Recessed Canopy Light (ECRA)

LIGHT SYMBOL
FROM LIGHTING PLAN:

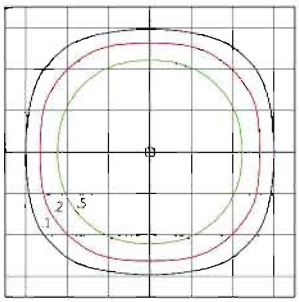
E C R A _ _ _ _ F 5 _ _ _ B _ _ _ _ _ _ _

PRODUCT ID	PRODUCT GENERATION	VOLTAGE	OPTICAL CODE	LENS TYPE	DRIVE CURRENT	LED COLOR TEMP	MOTION SENSOR/ PE FUNCTION	MOUNTING	COLOR	OPTIONS
E = Evolve C = Canopy R = Recessed	A = Photometric Series "A"	0 = 120 - 277 H = 347-480V* * See below table for available options		F = Flat Lens	5 = 525mA	40 = 4000K 50 = 5000K	1 = None 4 = Motion Sensor and Integral Photocell* * Must order with 10kV surge protection Option "R".	B = 12" Recessed Mount	WHTE = White BLCK = Black DKBZ = Dark Bronze Contact manufacturer for additional colors.	D = Dimmable (0-10 Volt Input) † 002 = Non-Dimming with Junction Box D01 = Dimming with Junction Box R = 10kV/5kA Surge Protection M = NOM31 † Dimming leads will be provided and terminated with quick-disconnect terminals.

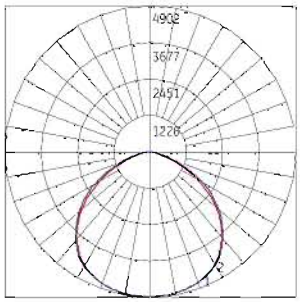
	PHOTOMETRIC TYPE	OPTICAL CODE	LENS TYPE	TYPICAL INITIAL LUMENS 4000K	TYPICAL INITIAL LUMENS 5000K	TYPICAL SYSTEM WATTAGE 120-277V	TYPICAL SYSTEM WATTAGE 347-480V	IES FILE NUMBERS 4000K	IES FILE NUMBERS 5000K
TYPE V	Symmetric Wide	A5	Flat Lens	4170	4230	35	NA	ECRA_A5F540___120-277V.ies	ECRA_A5F550___120-277V.ies
	Symmetric Wide	B5	Flat Lens	8010	8110	64	64	ECRA_B5F540___.ies	ECRA_B5F550___.ies
	Symmetric Wide	C5	Flat Lens	13410	13550	110	110	ECRA_C5F540___.ies	ECRA_C5F550___.ies

Photometrics

ECRA Type V - Symmetric Wide - Flat Lens
13,550 Lumens, 5000K ECRA_C5F550___.ies



Grid Distance in Units of Mounting Height of 15'
Initial Footcandle Values at Grade



— Vertical plane through horizontal angle of maximum candlepower at 60°
— Horizontal cone through vertical angle of maximum candlepower at 4°

LITHONIA LIGHTING®

Catalog Number
Notes
Type

FEATURES & SPECIFICATIONS

INTENDED USE — These specifications are for USA standards only. Check with factory for Canadian specifications. Round Straight Steel is a general purpose light pole for up to 30-foot mounting heights. This pole provides a robust yet cost effective option for mounting area lights and floodlights.

CONSTRUCTION — Pole Shaft: The pole shaft is of 0.120" uniform wall thickness and is made of a weldable-grade, hot-rolled, commercial-quality steel tubing with a minimum yield of 42,000 psi. Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly round in cross-section down length of shaft with no taper. Standard shaft diameters are 3", 4", 4.5" and 5". 6" diameter shaft available by quote. Shaft wall thickness of .180" and .250" are available with certain tube diameters.

Pole Top: Options include tenon top, drilled for side mount fixture, tenon with drilling (includes extra handhole) and open top. Side drilled and open top poles include a removable press-fit, black, low density polyethylene top cap.

Handhole: A reinforced handhole with grounding provision is provided at 12" from the base end of the pole assembly on side A. Every handhole includes a cover and cover attachment hardware. 2.5" x 5" rectangular handhole is provided on pole.

Base Cover: A two-piece ABS plastic full base cover is provided with each pole assembly. Additional base cover options are available upon factory request. Options include fabricated two-piece sheet steel or heavy duty two-piece cast aluminum full base cover. All base covers are finished to match pole.

Anchor Base/ Bolts: Anchor base is fabricated from hot-rolled carbon steel plate that conforms with ASTM A36. Anchor bolts conform to ASTM F1554 Grade 55 and are provided with two hex nuts and two flat washers. Bolts have an "L" blend on one end. All anchor bolts are hot-dipped galvanized a minimum of 12" nominal on the threaded end. Anchor bolts are made of steel rod having a minimum yield strength of 55,000 psi and a yield strength of 75,000 psi to 95,000 psi.

Hardware – All structural fasteners are high-strength galvanized carbon steel. All non-structural fasteners are galvanized or zinc-plated carbon steel or stainless steel.

Finish – Extra durable standard powder-coat finishes include Dark Bronze, White, Black, Medium Bronze and Natural Aluminum colors. Classic finishes include Sandstone, Charcoal Gray, Tennis Green, Bright Red and Steel Blue colors. Architectural Colors and Special Finishes are available by quote and include, but are not limited to Hot-dipped Galvanized, Paint over Hot-dipped Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes. Factory-applied primer paint finish is available for customer field-paint applications.

WARRANTY — 1-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

NOTE: Actual performance may differ as a result of end-user environment and application.
Specifications subject to change without notice.

Anchor Base Poles

RSS

ROUND STRAIGHT STEEL

RSS Round Straight Steel Pole

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative. **Example:** RSS 20 4-5B DM19 DDB

RSS					
Series	**Nominal fixture mounting height**	**Nominal shaft base size/wall thickness** [1]	**Mounting** [2]	**Options**	**Finish** [11]
RSS	8'-30 ' (for 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.) (See technical information table for complete ordering information.)	3B 3" (.120") 4B 4" (.120") 4-5B 4 1/2" (.120") 5B 5" (.120") (See technical information table for complete ordering information.)	Tenon mounting PT Open top T20 2-3/8" O.D. (2" NPS) T25 2-7/8" O.D. (2-1/2" NPS) T30 3-1/2" O.D. (3" NPS) [2] T35 4" O.D. (3-1/2" NPS) [2] KAC/KAD/KSE/KSF/KVR/KVF Drill mounting [3] DM19 1 at 90° DM28 2 at 180° DM28PL 2 at 180° with one side plugged DM29 2 at 90° DM32 3 at 120° DM49 4 at 90° CSX/DSX/AERIS™/OMERO™/HLA/KAX Drill mounting [2] DM19AS 1 at 90° DM28AS 2 at 180° DM29AS 2 at 90° DM32AS 2 at 120° DM39AS 3 at 90° DM49AS 4 at 90° AERIS™ Suspend drill mounting [3,4] DM19AST_ 1 at 90° DM28AST_ 2 at 180° DM29AST_ 2 at 90° DM39AST_ 3 at 90° DM49AST_ 4 at 90° OMERO™ Suspend drill mounting [3,4] DM19AST_ 1 at 90° DM28AST_ 2 at 180° DM29AST_ 2 at 90° DM39AST_ 3 at 90° DM49AST_ 4 at 90°	Shipped installed L/AB Less anchor bolts (Include when anchor bolts are not needed) VD Vibration damper TP Tamper resistant handhole cover fasteners HAxy Horizontal arm bracket (1 fixture) [5,6] FDLxy Festoon outlet less electrical [5] CPL12/xy 1/2" coupling [5] CPL34/xy 3/4" coupling [5] CPL1/xy 1" coupling [5] NPL12/xy 1/2" threaded nipple [5] NPL34/xy 3/4" threaded nipple [5] NPL1/xy 1" threaded nipple [5] EHHxy Extra handhole [5,7] MAEX Match existing [8] USPOM United States point of manufacture [9] IC Interior coating [10] UL UL listed with label (Includes NEC compliant cover) NEC NEC 410.30 compliant gasketed handhole (Not UL Labeled) Shipped separately (replacement kit available) (blank) FBC Full base cover (plastic) (blank) TC Top cap (blank) HHC Handhole cover	Standard colors DDBXD Dark bronze DWHXD White DBLXD Black DMBXD Medium bronze DNAXD Natural aluminum GALV Galvanized finish Classic colors DSS Sandstone DGC Charcoal gray DTG Tennis green DBR Bright red DSB Steel blue Architectural colors (powder finish) [11] Galvanized, Paint over Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes available.

NOTES:
1. Wall thickness will be signified with a "C" (11 Gauge) or a "G" (7-Gauge) in nomenclature. "C" - 0.1196" | "G" - 0.1793
2. PT open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, follow this example: DM28/T20. The combination includes a required extra handhole.
3. Refer to the fixture spec sheet for the correct drilling template pattern and orientation compatibility.
4. Insert "1" or "2" to designate fixture size; e.g. DM19AST2.
5. Specify location and orientation when ordering option. For "x": Specify the height above the base of pole in feet or feet and inches; separate feet and inches with a "-". Example: 5ft = 5 and 20ft 3in = 20-3 For "y": Specify orientation from handhole (A,B,C,D) Refer to the Handhole Orientation diagram below. Example: 1/2" coupling at 5' 8 ", orientation C = CPL12/5-8C
6. Horizontal arm is 18" x 2-3/8" O.D. tenon standard with radius curve providing 12' rise. If ordering two horizontal arm at the same height, specify with HAxyy. Example: HA20BD
7. Combination of tenon-top and drill mount includes extra handhole.
8. Must add original order number of existing pole(s).
9. Use when mill certifications are required.
10. 1Provides enhanced corrosion resistance.
11. Additional colors available; see www.lithonia.com/archcolors or Architectural Colors brochure (Form No. 794.3). Available by formal quote only, consult factory for details.

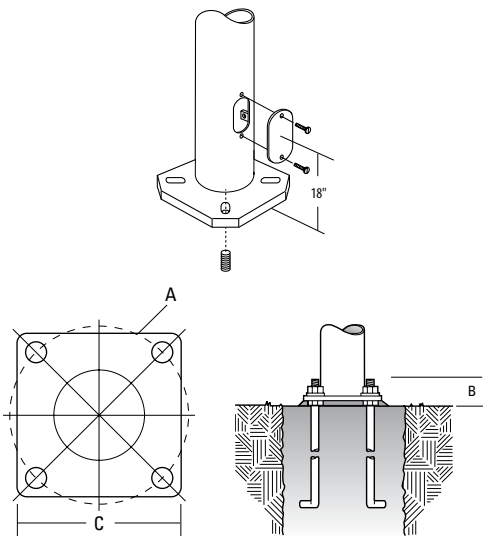
OUTDOOR: One Lithonia Way Conyers, GA 30012 Phone: 770-922-9000 www.lithonia.com

RSS Round Straight Steel Pole

TECHNICAL INFORMATION — EPA (ft^2) with 1.3 gust											
Catalog number	**Nominal shaft length (ft)***	**Pole shaft size (in x ft)**	**Wall thickness (in)**	**80 mph**	**Max weight**	**90 mph**	**Max weight**	**100 mph**	**Max weight**	**Bolt size (in. x in. x in.)**	**Approximate ship weight (lbs.)**
RSS 8 4-5B	8	4.5 x 8.0	0.120	24.7	630	19.7	495	16.0	430	3/4 x 18 x 3	55
RSS 10 3B	10	3.0 x 10.0	0.120	10.0	250	7.7	190	6.0	175	3/4 x 18 x 3	55
RSS 10 4B	10	4.0 x 10.0	0.120	19.1	480	15	375	12.2	305	3/4 x 18 x 3	70
RSS 10 4-5B	10	4.5 x 10.0	0.120	24.5	615	19.5	490	15.8	395	3/4 x 18 x 3	75
RSS 12 3B	12	3.0 x 12.0	0.120	7.7	195	5.8	145	4.4	130	3/4 x 18 x 3	60
RSS 12 4B	12	4.0 x 12.0	0.120	15.0	390	11.8	300	9.5	240	3/4 x 18 x 3	80
RSS 12 4-5B	12	4.5 x 12.0	0.120	19.8	495	15.7	395	12.7	320	3/4 x 18 x 3	85
RSS 14 3B	14	3.0 x 14.0	0.120	6.0	175	4.4	130	3.3	90	3/4 x 18 x 3	70
RSS 14 4B	14	4.0 x 14.0	0.120	12.2	305	9.4	250	7.6	195	3/4 x 18 x 3	90
RSS 14 4-5B	14	4.5 x 14.0	0.120	16.2	405	12.8	320	10.3	260	3/4 x 18 x 3	95
RSS 15 4-5B	15	4.5 x 15.0	0.120	12.0	300	9.5	250	7.5	200	3/4 x 18 x 3	96
RSS 16 3B	16	3.0 x 16.0	0.120	4.6	125	3.2	100	2.3	60	3/4 x 18 x 3	80
RSS 16 4B	16	4.0 x 16.0	0.120	9.6	250	7.4	185	5.9	150	3/4 x 18 x 3	100
RSS 16 4-5B	16	4.5 x 16.0	0.120	13.1	330	10.2	265	8.2	205	3/4 x 18 x 3	105
RSS 18 3B	18	3.0 x 18.0	0.120	3.4	90	2.3	60	1.4	70	3/4 x 18 x 3	90
RSS 18 4B	18	4.0 x 18.0	0.120	7.6	190	5.7	180	4.5	130	3/4 x 18 x 3	110
RSS 18 4-5B	18	4.5 x 18.0	0.120	10.5	265	8.2	210	6.5	165	3/4 x 18 x 3	115
RSS 20 3B	20	3.0 x 20.0	0.120	2.4	100	1.4	75	--	--	3/4 x 18 x 3	100
RSS 20 4B	20	4.0 x 20.0	0.120	6.0	150	4.45	150	3.45	125	3/4 x 18 x 3	120
RSS 20 4-5B	20	4.5 x 20.0	0.120	8.5	215	6.6	165	5.2	130	3/4 x 18 x 3	130
RSS 20 5B	20	5.0 x 20.0	0.120	11.75	300	9.1	230	7.25	180	3/4 x 18 x 3	145
RSS 22 4-5B	22	4.5 x 22.0	0.120	6.0	150	4.5	125	3.75	100	3/4 x 18 x 3	134
RSS 25 4B	25	4.0 x 25.0	0.120	2.85	100	1.95	75	1.35	75	3/4 x 18 x 3	145
RSS 25 4-5B	25	4.5 x 25.0	0.120	4.8	130	3.6	90	2.7	90	3/4 x 18 x 3	145
RSS 25 5B	25	5.0 x 25.0	0.120	7.25	180	5.5	150	4.25	150	3/4 x 18 x 3	180
RSS 30 4-5B	30	4.5 x 30.0	0.120	2.3	80	1.5	75	1.0	60	3/4 x 18 x 3	185
RSS 30 5B	30	5.0 x 30.0	0.120	4.2	150	3	125	2.25	100	3/4 x 18 x 3	210

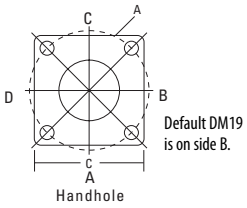
* EPA values are based ASCE 7-93 wind map. For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.

BASE DETAIL



POLE DATA					
Shaft base size	**Bolt circle A**	**Bolt projection B**	**Base plate diameter**	**Template description**	**Anchor bolt description**
3"	7.5" - 8.5"	3.50"-3.75"	10.50"	ABTEMPLATE PJ50041	AB18-0
4"	7.5" - 8.5"	3.50"-3.75"	10.50"	ABTEMPLATE PJ50041	AB18-0
4.5"	7.5" - 8.5"	3.50"-3.75"	10.50"	ABTEMPLATE PJ50041	AB18-0
5"	7.5" - 8.5"	3.50"-3.75"	10.50"	ABTEMPLATE PJ50041	AB18-0

HANDHOLE ORIENTATION



Default DM19 is on side B.

IMPORTANT INSTALLATION NOTES:

- **Do not** erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use factory template.
- If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
- Lithonia Lighting is not responsible for the foundation design.

KEMP AUTO MUSEUM, LOT B SITE DEVELOPMENT SECTION PLAN

SITE NOTES:

1. ALL DIMENSIONS ARE TO GROUND LEVEL IMPROVEMENTS (FACE OF CURB, CONCRETE SLAB, ETC.) UNLESS NOTED OTHERWISE. REFER TO ARCHITECTURAL PLANS FOR BUILDING DETAILS.
2. ALL DIMENSIONS FROM PROPERTY LINES ARE PERPENDICULAR UNLESS OTHERWISE NOTED.
3. CONTRACTOR TO SEED ALL DISTURBED AREA UNLESS NOTED OTHERWISE.
4. ALL CONSTRUCTION PARKING SHALL BE ONSITE.
5. ALL SITE UTILITIES SHALL BE BURIED UNDERGROUND.
6. RECYCLING OPPORTUNITIES WILL BE PROVIDED ON SITE.

GRAPHIC SCALE
1" = 30'

DEPARTMENT OF PLANNING AND DEVELOPMENT SERVICES

SCRIPT FOR A SITE DEVELOPMENT PLAN

SURVEYED DESCRIPTION OF ADJUSTED PARCEL 1:
A TRACT OF LAND BEING PART OF C800 OF "KEMP AUTOMOBILE MUSEUM SUBDIVISION" A SUBDIVISION ACCORDING TO THE PLAT THEREOF RECORDED IN PLAT BOOK 351 PAGES 824 AND 825 OF THE ST. LOUIS COUNTY RECORDS, IN U.S. SURVEY 2031, TOWNSHIP 45 NORTH - RANGE 4 EAST, CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:
BEGINNING AT THE NORTHWEST CORNER OF SAID C800, SAID POINT BEING ON THE SOUTH RIGHT-OF-WAY LINE OF INTERSTATE HIGHWAY 64, VARYING WIDTH; THENCE EASTWARDLY ALONG THE NORTH LINE OF SAID C800 SOUTH 84 DEGREES 07 MINUTES 33 SECONDS EAST 70.05 FEET TO A POINT; THENCE LEAVING SAID SOUTH RIGHT-OF-WAY LINE THE FOLLOWING COURSES AND DISTANCES: SOUTH 00 DEGREES 00 MINUTES 39 SECONDS EAST 97.59 FEET, NORTH 66 DEGREES 41 MINUTES 06 SECONDS EAST 113.36 FEET AND SOUTH 00 DEGREES 00 MINUTES 39 SECONDS EAST 243.90 FEET TO A POINT IN THE NORTH RIGHT-OF-WAY LINE OF CHESTERFIELD AIRPORT ROAD, 100 FEET WIDE; THENCE WESTWARDLY ALONG SAID NORTH RIGHT-OF-WAY LINE SOUTH 89 DEGREES 34 MINUTES 27 SECONDS WEST 170.34 FEET TO THE SOUTHWEST CORNER OF AFOREMENTIONED C800; THENCE NORTHWARDLY ALONG THE WEST LINE OF SAID C800 THE FOLLOWING COURSES AND DISTANCES: NORTH 12 DEGREES 43 MINUTES 19 SECONDS WEST 26.61 FEET, NORTH 02 DEGREES 09 MINUTES 33 SECONDS WEST 84.73 FEET AND NORTH 01 DEGREES 37 MINUTES 53 SECONDS EAST 194.51 FEET TO THE POINT OF BEGINNING AND CONTAINING 1.032 ACRES, MORE OR LESS.

CAPLACO NINETEEN, INC. the owner(s) of the property shown on this plan for and in consideration of being granted approval of said plan to develop property under the provisions of Section 31-03-04-C, PC-PLANNED COMMERCIAL DISTRICT of City of Chesterfield Unified Development Code, do hereby agree and declare that said property from the date of recording this plan shall be developed only as shown thereon, unless said plan is amended by the City of Chesterfield, or voided or vacated by order of ordinance of the City of Chesterfield Council.

(Signature): ____________________

(Name Typed): ____________________

State of ____________)
) SS.
County of ____________)

On this _______ day of ______________, A.D., 20___, before me personally appeared ______________________, to me known, who, being by me sworn in, did say
(Officer of Corporation)
that he/she is the ______________ of ______________________ a
(Title) (Name of Corporation)
corporation in the State of __________, and that the seal affixed to the foregoing instruments is the corporate seal of said corporation, and that said instrument was signed on behalf of said corporation by authority of its Board of Directors, and the said ______________________
(Officer of Corporation)
acknowledged said instrument to be the free act and deed of said corporation.

In Testimony Whereof, I have hereunto set my hand and affixed my Notarial Seal at my Office in ______________________, the day and year last above written.
(County and State)

My term expires ______________________.

____
(Notary Public)

This Site Development Plan was approved by the City of Chesterfield Planning Commission and duly verified on the _____ day of ______________, 20___, by the Chairperson of said Commission, authorizing the recording of this Site Development Plan pursuant to Chesterfield Ordinance Number 200, as attested to by the Director of Planning and Development Services and the City Clerk.

____
Justin Wyse, AICP
Director of Planning and Development Services
City of Chesterfield, Missouri

____
Vickie Hass, City Clerk
City of Chesterfield, Missouri

KEYED NOTES:

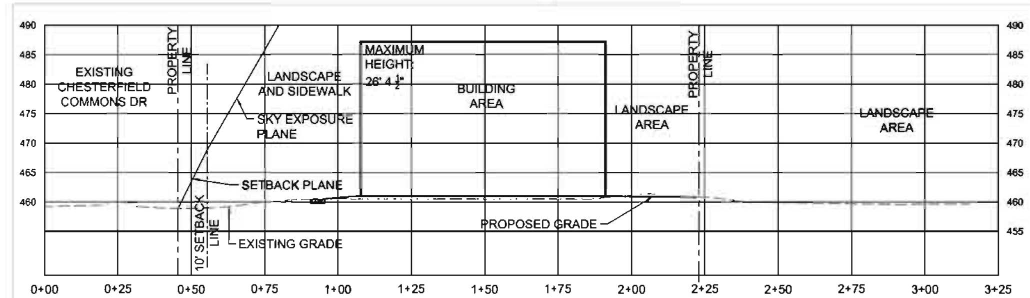
A. PROPOSED CHASE BANK. REFER TO ARCHITECTURAL PLANS FOR DETAILS AND ELEVATIONS.
B. PROPOSED BUILDING SIGNS TO BE PROVIDED AND INSTALLED BY OTHERS. ALL SIGNAGE PERMITTED AND APPROVED SEPARATELY.
C. PROPOSED DRIVE-THRU ATM. REFER TO ARCHITECTURAL PLANS FOR DETAILS AND ELEVATIONS.
D. PROPOSED ASPHALT PAVEMENT. REFER TO SHEET C14 FOR DETAIL.
E. PROPOSED ADA PARKING SIGNAGE. REFER TO SHEET C14 FOR DETAIL.
F. PROPOSED ADA COMPLIANT RAMP IN SIDEWALK, REFER TO SHEET C14 FOR DETAIL.
G. PROPOSED CONCRETE SIDEWALK. REFER TO SHEET C14 FOR DETAILS.
H. PROPOSED CONCRETE SIDEWALK WITH TURNED DOWN EDGE. REFER TO SHEET C14 FOR DETAIL.
I. PROPOSED CONCRETE CURB. REFER TO SHEET C14 FOR DETAIL.
J. PROPOSED DEPRESSED CURB. REFER TO SHEET C14 FOR DETAIL.
K. PROPOSED 6" SOLID WHITE PAINTED STRIPE (TYPICAL). REFER TO SHEET C14 FOR DETAIL.
L. PROPOSED ACCESSIBLE PARKING STRIPING. REFER TO SHEET C14 FOR DETAIL.
M. PROPOSED DIRECTION TRAFFIC MARKING PAINTED (TYPICAL). REFER TO SHEET C14 FOR DETAIL.
N. PROPOSED SITE LIGHT FIXTURE.
O. PROPOSED DETECTABLE WARNING. REFER TO SHEET C14 FOR DETAIL.
P. PROPOSED CONCRETE PAVEMENT. REFER TO SHEET C14 FOR DETAIL.
Q. PROPOSED TRASH ENCLOSURE. REFER TO ARCHITECTURAL PLANS FOR DETAILS.
R. PROPOSED 5 BIKE CAPACITY WAVE BIKE RACK. REFER TO SHEET C15 FOR DETAIL.
S. PROPOSED "STOP" (R1-1) AND "DO NOT ENTER" (R5-1) SIGN. REFER TO SHEET C15 FOR DETAIL
T. PROPOSED MONUMENT SIGN.

SITE LEGEND

- PROPERTY BOUNDARY LINE
- CENTERLINE OF EXISTING ROADWAY
- ADJACENT PROPERTY LINE
- EXIST. SIDEWALK/ACCESS EASEMENT
- FLOODPLAIN LIMITS
- EXISTING CURB
- EXISTING EDGE OF PAVEMENT
- EXISTING TREE
- EXISTING STORM STRUCTURES
- EXISTING SANITARY STRUCTURES
- EXISTING ELECTRICAL STRUCTURE
- EXISTING LIGHT POLE
- PROPOSED CURB
- PROPOSED BUILDING
- PROPOSED ASPHALT
- PROPOSED SIDEWALK
- PROPOSED CONCRETE
- PROPOSED WATER STRUCTURES
- PROPOSED STORM STRUCTURES
- PROPOSED SANITARY STRUCTURES
- PROPOSED LIGHTING STRUCTURES
- PROPOSED SIGN
- PROPOSED PARKING COUNT

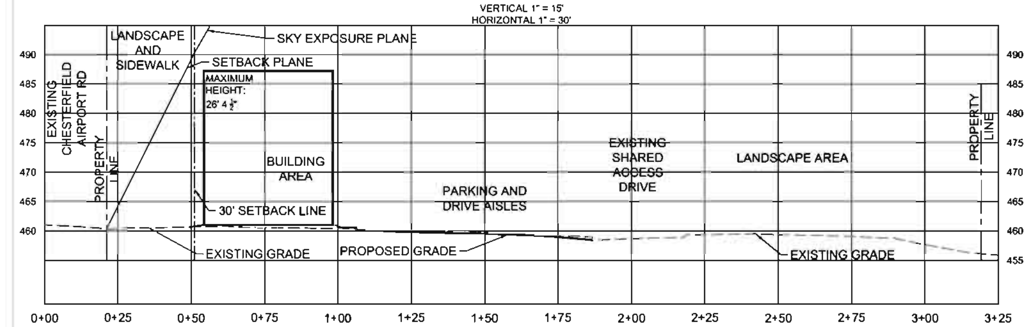
ZONING DATA
PC - PLANNED COMMERCIAL DISTRICT
PROPOSED USE: FINANCIAL INSTITUTION, DRIVE-THRU

ITEM	EXISTING / REQUIRED	PROPOSED
PARCEL ID	17T140363	17T140363
FUTURE LAND USE	COMMERCIAL	COMMERCIAL
MAXIMUM BUILDING HEIGHT (FT)	40 FT	26.375 FT
FLOOR AREA RATIO	0.55 MAX.	0.08
BUILDING AREA (SF)	N/A	3,470 SF
FRONT SETBACK (FT)	30 FT	182.08 FT (NORTH)
SIDE SETBACK (FT)	10 FT	61.40 FT (WEST)
INTERIOR SIDE SETBACK (FT)	0 FT	31.51 FT (EAST)
REAR SETBACK (FT)	30 FT	30.22 FT (SOUTH)
MINIMUM PARKING SPACES	3.3 SPACES / 1,000 SF OF GFA $3,470 * \frac{1}{1000} * 3.3$ = 12 SPACES MIN.	20 SPACES (INCLUDING ADA SPACES)
MAXIMUM PARKING SPACES	120% OF MIN. REQUIRED 1.2 * 12 = 15 MAX.	20 SPACES (INCLUDING ADA SPACES)
ADA PARKING SPACES	2 SPACES	2 SPACES
TOTAL PARCEL AREA	1.03 AC (44,869 SF)	1.03 AC (44,869 SF)
TOTAL LIMITS OF DISTURBANCE	N/A	0.497 AC (21,654 SF)
TOTAL OFF-SITE WORK	N/A	0.00 AC (0 SF)
PARCEL IMPERVIOUS SURFACES AREA (% OF LOT AREA)	0.577 AC (25,136 SF) 56.02% EXISTING	0.553 AC (24,620 SF) 54.87%
PARCEL PERVIOUS SURFACES AREA (% OF LOT AREA)	0.453 AC (19,733 SF) 43.98% EXISTING	0.465 AC (20,249 SF) 45.13%
PARCEL OPEN SPACE AREA (% OF LOT AREA)	0.361 AC (15,704 SF) 35% REQUIRED	0.534 AC (23,255 SF) 51.8%



PV - (SECTION A-A)

SCALE
VERTICAL 1" = 15'
HORIZONTAL 1" = 30'



PV - (SECTION B-B)

SCALE
VERTICAL 1" = 15'
HORIZONTAL 1" = 30'

MSD BASE MAP #17T
MSD P# 19MSD-00273

CORE STATES GROUP
6500 Chippewa Street Suite 200
St. Louis, MO 63109
Phone (314) 843-4320
PBennett@core-eng.com

CLIENT
CHASE

811 Know what's below. Call before you dig.

REVISIONS

REV	DATE	COMMENT	BY
1	8/07/19	SITE DEVELOPMENT SECTION PLAN	CDF
2	08/08/19	PER MSD COMMENT	CDF
3	09/11/19	PER CITY COMMENT	CDF
4	09/12/19	PER MSD COMMENT	CDF

DOCUMENT
CIVIL CONSTRUCTION DOCUMENTS FOR CHASE BANK

SITE LOCATION
16985 CHESTERFIELD AIRPORT ROAD
CHESTERFIELD, MO 63055

ENGINEER SEAL

SHEET TITLE
KEMP AUTO MUSEUM, LOT B SITE DEVELOPMENT SECTION PLAN

JOB #:	JPM.26022
DATE:	06-17-19
SCALE:	1"=30'
DRAWN BY:	ZPM
CHECKED BY:	CDF

SHEET NO.
C7.1

NORTH ELEVATION
(PARKING LOT)

SOUTH ELEVATION
(CHESTERFIELD AIRPORT RD)

0 2 4 8 FT

PAINT - EPT1 APPLICATION: EXTERIOR MATERIAL COLOR: MATCH TO SHERWIN WILLIAMS SW-7045 "INTELLECTUAL GRAY"	PAINT - EPT2 APPLICATION: EIFS COLOR: TO MATCH SHERWIN WILLIAMS SW-7036 "ACCESSIBLE BEIGE"	PAINT - EPT4 APPLICATION: EIFS COLOR: TO MATCH SHERWIN WILLIAMS SW-6108 "LATTE"	ROOF APPLICATION: ASPHALT SHINGLES COLOR: WEATHERED WOOD
MULLIONS APPLICATION: EXTERIOR MATERIAL COLOR: ANNODIZED ALUMINUM	STONE - ST1 APPLICATION: SAVANNA STONE COLOR: LIMESTONE #3	METAL APPLICATION: CANOPY/TRIM COLOR: BLUE	BRICK BR-2 APPLICATION: EXTERIOR COLOR: TO MATCH ADJACENT SHOPPING CENTER

CHASE
J.P. MORGAN CHASE
CHESTERFIELD
16897 CHESTERFIELD AIRPORT RD
CHESTERFIELD, MO 63005
38200P316271

CORE STATES GROUP

STATE OF MISSOURI
ROBERT BRUCE LASURS
NUMBER A-7504
REGISTERED ARCHITECT
09/10/2019

THESE DRAWINGS ARE NOT COMPLETE WITHOUT THE SEPARATE TYPE WRITTEN SPECIFICATIONS MANUAL WHICH ARE PART OF THE CONTRACT DOCUMENTS.

PRELIMINARY PLANNING SUBMITTAL - NOT FOR CONSTRUCTION

ISSUE	DATE	DESCRIPTION
1	02/20/2019	ISSUE TO PLANNING BOARD

PROJECT INFORMATION

PROJECT NO:	JPM.26022
DATE:	08/02/2019
PROTOTYPE:	**18.2**
DRAWN BY:	K.SCHOPP
CHECKED BY:	B.LASURS
SCALE:	1/4" = 1'-0"

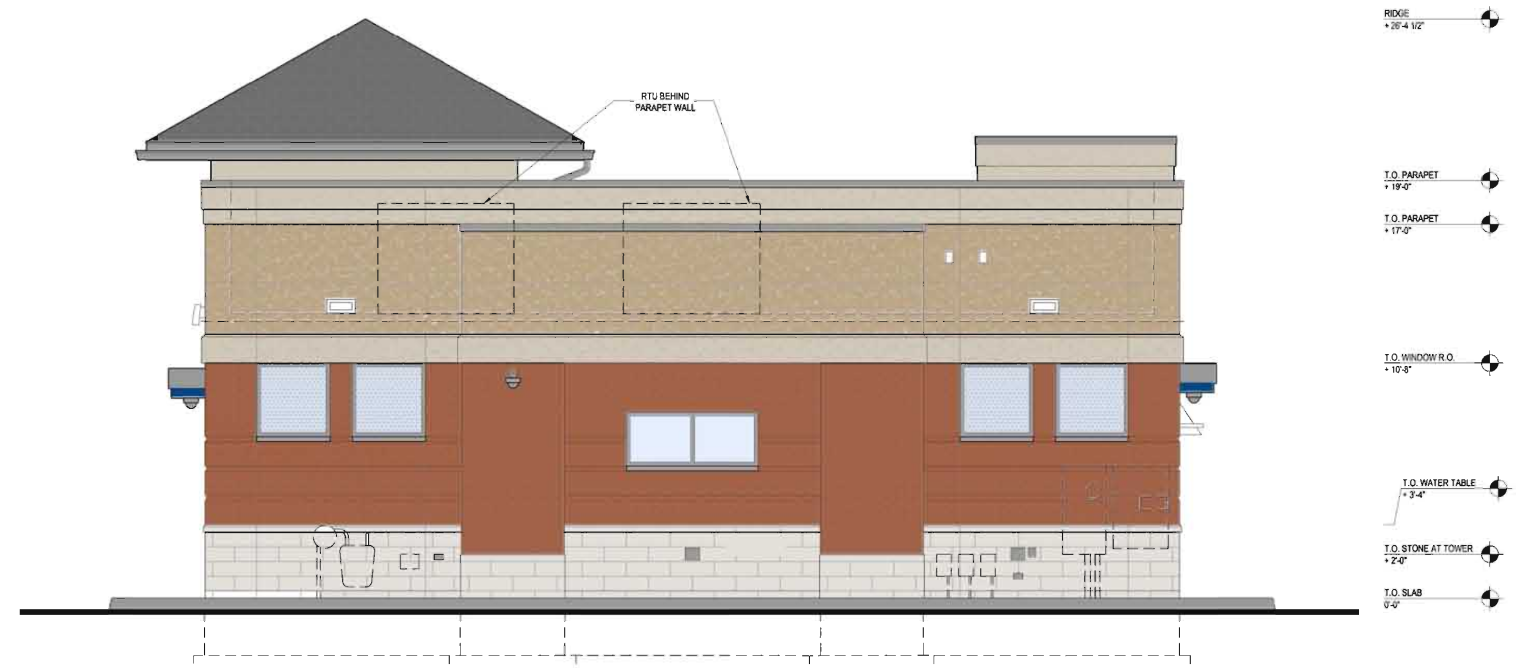
SHEET TITLE

PROPOSED ELEVATIONS

SHEET NUMBER

EL-01

WEST ELEVATION
(CHESTERFIELD COMMONS DR)



EAST ELEVATION
(DRIVE-UP ATM)

0 2 4 8 FT

PAINT - EPT1
APPLICATION: EXTERIOR MATERIAL
COLOR: MATCH TO SHERWIN WILLIAMS
SW-7045 "INTELLECTUAL GRAY"

PAINT - EPT2
APPLICATION: EIFS
COLOR: TO MATCH SHERWIN WILLIAMS
SW-7036 "ACCESSIBLE BEIGE"

PAINT - EPT4
APPLICATION: EIFS
COLOR: TO MATCH SHERWIN WILLIAMS
SW-6108 "LATTE"

ROOF
APPLICATION: ASPHALT SHINGLES
COLOR: WEATHERED WOOD

MULLIONS
APPLICATION: EXTERIOR MATERIAL
COLOR: ANNODIZED ALUMINUM

STONE - ST1
APPLICATION: SAVANNA STONE
COLOR: LIMESTONE #3

METAL
APPLICATION: CANOPY/TRIM
COLOR: BLUE

BRICK BR-2
APPLICATION: EXTERIOR
COLOR: TO MATCH ADJACENT
SHOPPING CENTER

CHASE
J.P. MORGAN CHASE
CHESTERFIELD
16897 CHESTERFIELD AIRPORT RD
CHESTERFIELD, MO 63005
38200P31627I

CORE STATES GROUP

STATE OF MISSOURI
ROBERT BRUCE LASURS
NUMBER A-7504
REGISTERED ARCHITECT
09/10/2019

THESE DRAWINGS ARE NOT COMPLETE WITHOUT THE SEPARATE TYPE WRITTEN SPECIFICATIONS MANUAL WHICH ARE PART OF THE CONTRACT DOCUMENTS.

PRELIMINARY PLANNING SUBMITTAL - NOT FOR CONSTRUCTION

ISSUE	DATE	DESCRIPTION
1	02/20/2019	ISSUE TO PLANNING BOARD

PROJECT INFORMATION

PROJECT NO:	JPM.26022
DATE:	08/02/2019
PROTOTYPE:	**18.2**
DRAWN BY:	K.SCHOPP
CHECKED BY:	B.LASURS
SCALE:	1/4" = 1'-0"

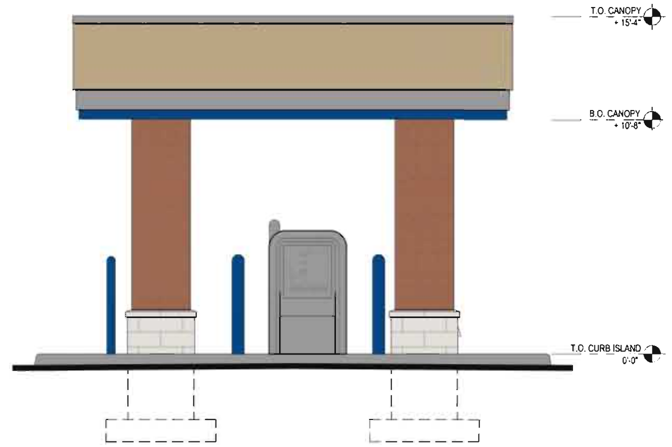
SHEET TITLE

PROPOSED ELEVATIONS

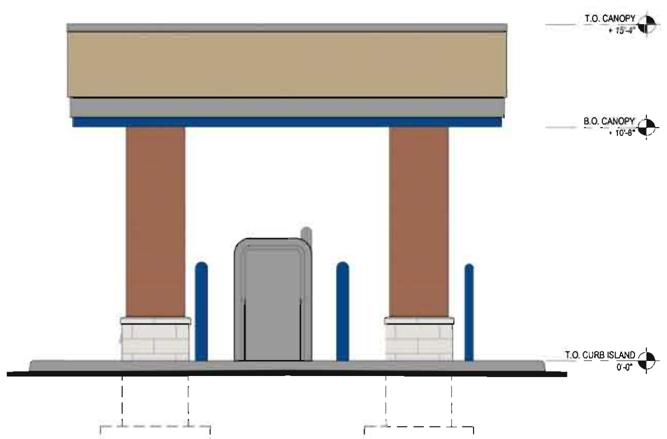
SHEET NUMBER

EL-02

SOUTH ELEVATION
(ENTRANCE)

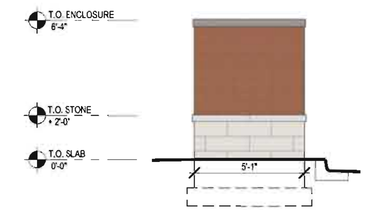


EAST ELEVATION
(ATM)

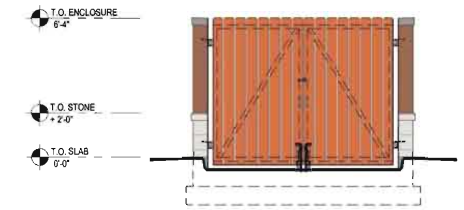


WEST ELEVATION
(PARKING LOT)

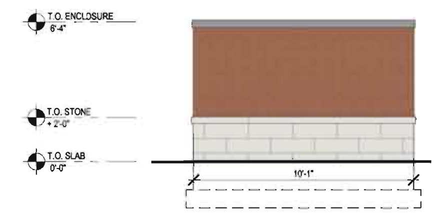
NORTH ELEVATION
(EXIT)



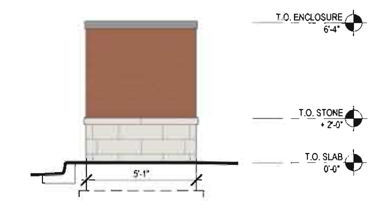
NORTH ELEVATION
(SIDE)



WEST ELEVATION
(FRONT)



EAST ELEVATION
(REAR)



SOUTH ELEVATION
(SIDE)

0 2 4 8 FT

PAINT - EPT1
APPLICATION: EXTERIOR MATERIAL
COLOR: MATCH TO SHERWIN WILLIAMS
SW-7045 "INTELLECTUAL GRAY"

PAINT - EPT2
APPLICATION: EIFS
COLOR: TO MATCH SHERWIN WILLIAMS
SW-7036 "ACCESSIBLE BEIGE"

PAINT - EPT4
APPLICATION: EIFS
COLOR: TO MATCH SHERWIN WILLIAMS
SW-6108 "LATTE"

ROOF
APPLICATION: ASPHALT SHINGLES
COLOR: WEATHERED WOOD

MULLIONS
APPLICATION: EXTERIOR MATERIAL
COLOR: ANNODIZED ALUMINUM

STONE - ST1
APPLICATION: SAVANNA STONE
COLOR: LIMESTONE #3

METAL
APPLICATION: CANOPY/TRIM
COLOR: BLUE

BRICK BR-2
APPLICATION: EXTERIOR
COLOR: TO MATCH ADJACENT
SHOPPING CENTER

FENCE
COLOR: CEDAR

CHASE

J.P. MORGAN CHASE
CHESTERFIELD
16897 CHESTERFIELD AIRPORT RD
CHESTERFIELD, MO 63005
38200P31627I

CORE STATES GROUP

STATE OF MISSOURI
ROBERT BRUCE LASURS
NUMBER A-7504
REGISTERED ARCHITECT
09/10/2019

THESE DRAWINGS ARE NOT COMPLETE WITHOUT THE SEPARATE TYPE WRITTEN SPECIFICATIONS MANUAL WHICH ARE PART OF THE CONTRACT DOCUMENTS.

PRELIMINARY PLANNING SUBMITTAL - NOT FOR CONSTRUCTION

ISSUE	DATE	DESCRIPTION
1	02/20/2019	ISSUE TO PLANNING BOARD

PROJECT INFORMATION

PROJECT NO:	JPM.26022
DATE:	08/02/2019
PROTOTYPE:	**18.2**
DRAWN BY:	K.SCHOPP
CHECKED BY:	B.LASURS
SCALE:	1/4" = 1'-0"

SHEET TITLE

PROPOSED DRIVE THRU ATM & TRASH ENCLOSURE ELEVATIONS

SHEET NUMBER

EL-03

CHASE

JP MORGAN CHASE, N.A.

CHESTERFIELD AIRPORT RD.

CHESTERFIELD

16897 CHESTERFIELD AIRPORT RD
CHESTERFIELD, MO 63005
CHASE OVP#: 38200P316271

CORE STATES GROUP

CHASE

JP MORGAN CHASE, N.A.

RENDERING

CHESTERFIELD

16897 CHESTERFIELD AIRPORT RD
CHESTERFIELD, MO 63005
CHASE OVP#: 38200P316271

CORE STATES GROUP

CHASE

JP MORGAN CHASE, N.A.

I-64 RENDERING

CHESTERFIELD

16897 CHESTERFIELD AIRPORT RD
CHESTERFIELD, MO 63005
CHASE OVP#: 38200P316271

CORE STATES GROUP

LOOKING NORTH TO SITE FROM CHESTERFIELD AIRPORT RD

LOOKING WEST TO SITE FROM CHESTERFIELD AIRPORT RD

CHASE
JP MORGAN CHASE, N.A.

PHOTOS

CHESTERFIELD

16897 CHESTERFIELD AIRPORT RD
CHESTERFIELD, MO 63005
CHASE OVP#: 38200P316271

CORE STATES GROUP

LOOKING EAST TO SITE FROM CHESTERFIELD AIRPORT RD

LOOKING SOUTH TO SITE FROM CHESTERFIELD AIRPORT RD

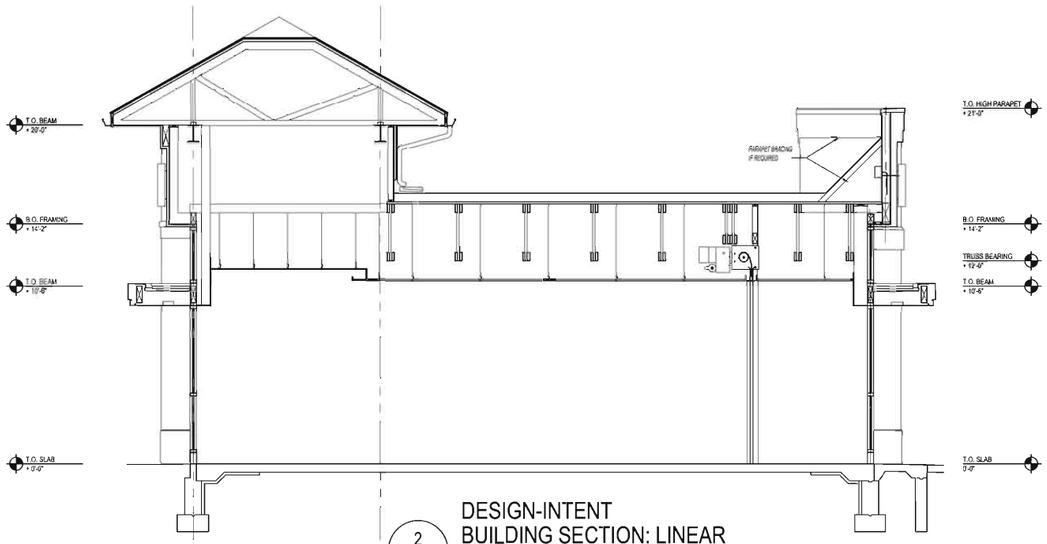
CHASE
JP MORGAN CHASE, N.A.

PHOTOS

CHESTERFIELD

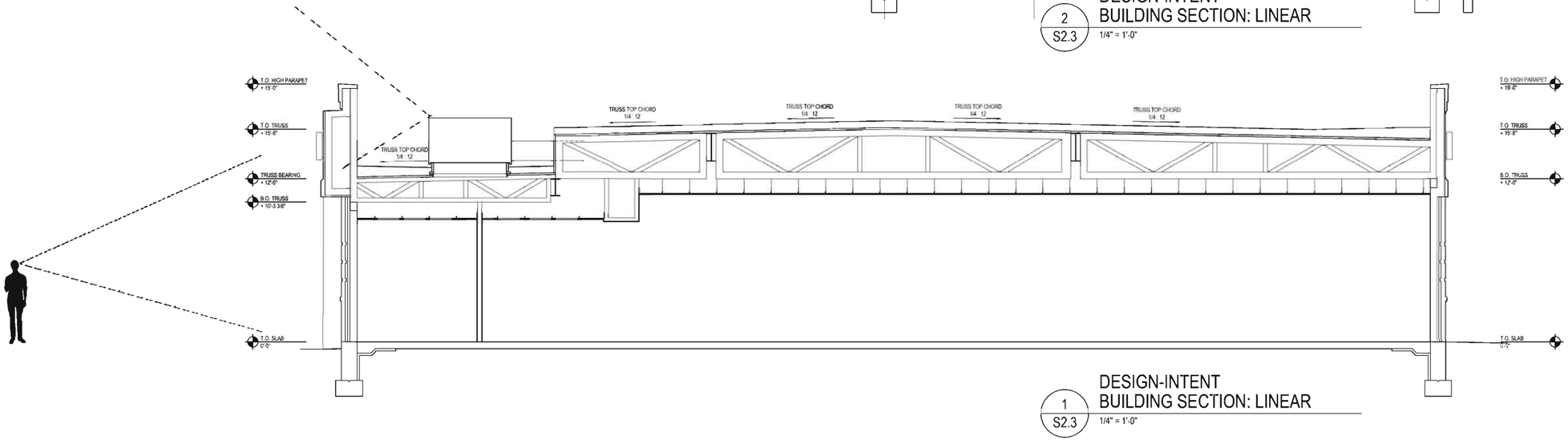
16897 CHESTERFIELD AIRPORT RD
CHESTERFIELD, MO 63005
CHASE OVP#: 38200P316271

CORE STATES GROUP



2 S2.3 DESIGN-INTENT BUILDING SECTION: LINEAR

1/4" = 1'-0"



1 S2.3 DESIGN-INTENT BUILDING SECTION: LINEAR

1/4" = 1'-0"

CHASE

J.P. MORGAN CHASE

CHESTERFIELD

16897 CHESTERFIELD AIRPORT RD
CHESTERFIELD, MO 63005
38200P316271

CORE STATES GROUP

STATE OF MISSOURI
ROBERT BRUCE LASURS
NUMBER A-7504
REGISTERED ARCHITECT

08/02/2019

THESE DRAWINGS ARE NOT COMPLETE WITHOUT THE SEPARATE TYPE WRITTEN SPECIFICATIONS MANUAL WHICH ARE PART OF THE CONTRACT DOCUMENTS.

PRELIMINARY PLANNING SUBMITTAL - NOT FOR CONSTRUCTION

ISSUE	DATE	DESCRIPTION
1	02/20/2019	ISSUE TO PLANNING BOARD

PROJECT INFORMATION

PROJECT NO:	JPM.26022
DATE:	08/02/2019
PROTOTYPE:	**18.2**
DRAWN BY:	K.SCHOPP
CHECKED BY:	B.LASURS
VERSION:	1.00

SHEET TITLE

SHEET NUMBER

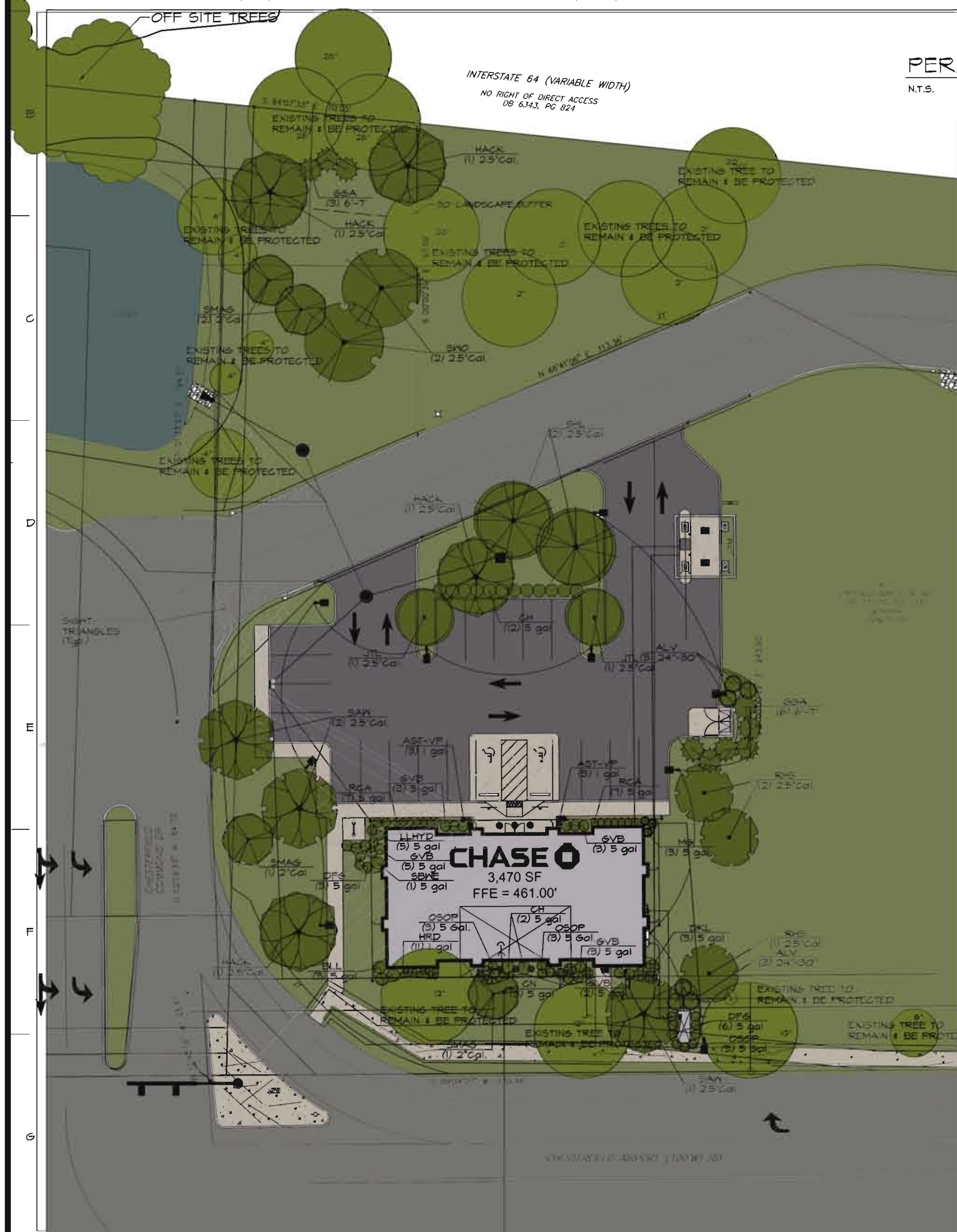
- NOTE: NO PARKING SPACE SHALL BE FURTHER THAN FIFTY (50) FEET FROM A TREE.

TREE GROUPINGS:

A MINIMUM OF 20% OF TREES SHALL COME FROM THREE CATEGORIES:
DECIDUOUS / ORNAMENTAL / EVERGREEN

TYPE	QTY.	PERCENTAGE
DECIDUOUS:	11	38%
ORNAMENTAL:	9	31%
EVERGREEN:	9	31%

2 FAST GROWTH (7%) AND 27 SLOW/MEDIUM GROWTH (93%)



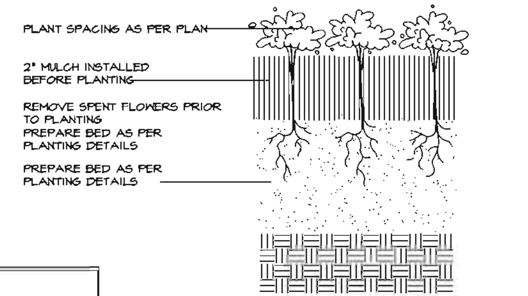
NORTH

1-800-DIG-RITE

DENOTES TREE TO BE PROTECTED AND TO REMAIN

0 20 40 60 feet

SCALE: 1" = 20'



PERENNIAL / ANNUAL PLANTING

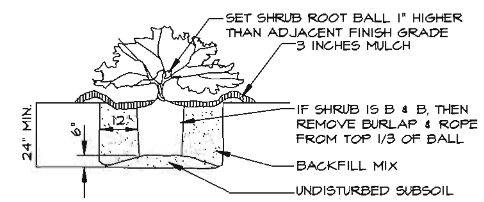
N.T.S.

PLEASE NOTE:

- ALL PLANTING BEDS TO BE EDGED w/ SPADE-CUT EDGE UNLESS OTHERWISE NOTED.
- ADJUST TREE LOCATIONS FOR LIGHT STANDARDS AND UNDERGROUND UTILITIES.
- NO TREES OR OTHER OBSTRUCTIONS SHALL BE LOCATED WITHIN 6 FEET OF FIRE HYDRANTS.
- ALL SHRUBS/PERENNIALS WITHIN SIGHT TRIANGLE ZONES TO BE MAINTAINED AT A MAXIMUM HEIGHT OF TWENTY FOUR INCHES (2 FEET); ALL TREES TO BE MAINTAINED WITH A CLEAR HEIGHT FROM GRADE OF TEN (10) FEET.

SITE COVERAGE CALCULATIONS:

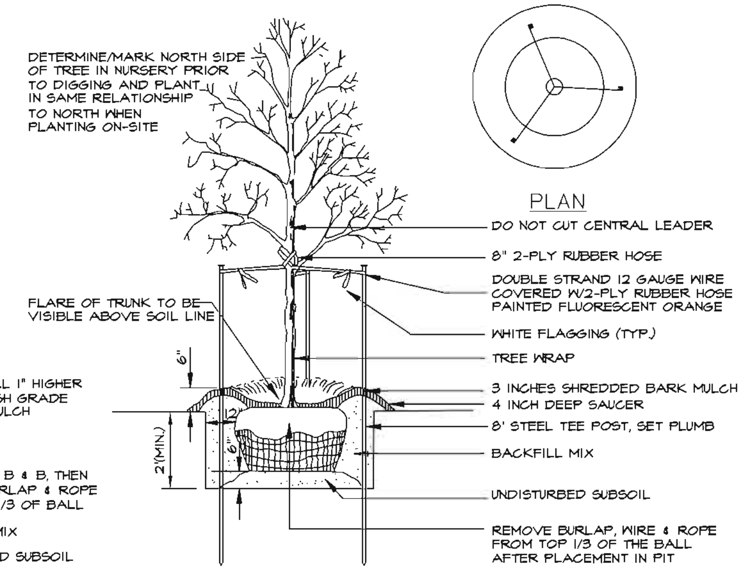
TOTAL SITE	44,869 S.F.	100%	(1.030 ACRES)
BUILDING	3,470 S.F.	8%	(0.079 ACRE)
OPENSPACE	20,249 S.F.	45%	(0.465 ACRES)
PAVEMENT	21,150 S.F.	47%	(0.485 ACRES)



PRUNE ANY BROKEN BRANCHES AFTER PLANTING. DAMAGED SHRUBS OR BROKEN / CRUMBLING ROOT BALLS WILL BE REJECTED.

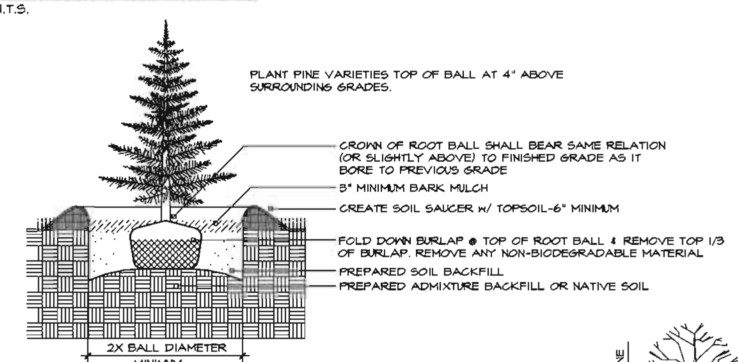
SHRUB PLANTING

N.T.S.



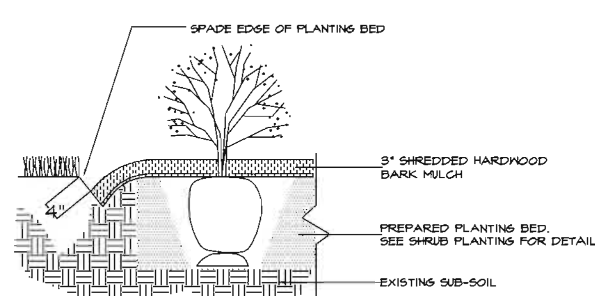
DECIDUOUS TREE PLANTING

N.T.S.



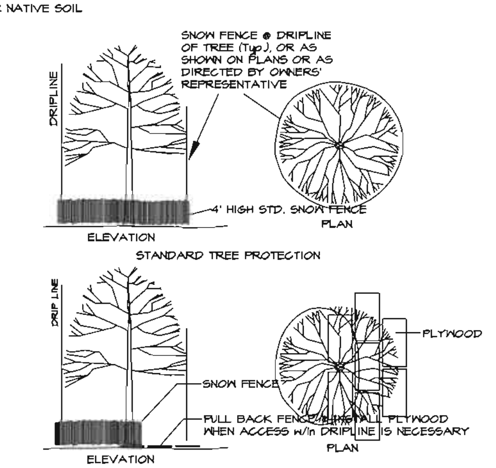
EVERGREEN TREE PLANTING

N.T.S.



SPADE-CUT EDGE DETAIL

N.T.S.



TREE PROTECTION DETAIL

N.T.S.

REVISIONS	BY
7/2/19	RWM
8/2/19	RWM
9/10/19	RWM

Landscape TECHNOLOGIES
67 Jacobs Creek Drive
St. Charles, Missouri 63304
MO Landscape Architectural Corporation #2008008782
(636) 928-1250
Fax: (636) 928-4569

RANDALL W. MARDIS
MISSOURI LANDSCAPE ARCHITECT #000019
DATE: 9/10/19

STATE OF MISSOURI
RANDALL W. MARDIS
NUMBER 019
REGISTERED LANDSCAPE ARCHITECT

LANDSCAPE PLAN FOR THE PROPOSED

Chase Bank

16985 CHESTERFIELD AIRPORT RD. CHESTERFIELD, MO

DRAWN	R. MARDIS
CHECKED	RWM/GJB
DATE	6/10/19
SCALE	1"=20'-0"
JOB No.	2019-142
SHEET	L-1

OF TWO SHEETS

PLANT_SCHEDULE

TREES	QTY	COMMON / BOTANICAL NAME	SIZE		Slow	Moderate	Fast	< 6"	6 - 18"	18 - 36"	> 3'	< 18"	3 - 6'	6 - 10'	10 - 15'	> 15'	< 15'	15 - 25'	25 - 40'	40 - 65'	> 65'
HACK	4	Common Hackberry / Celtis occidentalis	2.5"Cal.		X															X	
SAW	3	Sawtooth Oak / Quercus acutissima	2.5"Cal.			X														X	
SHL	2	'Skyline' Locust / Gleditsia triacanthos 'Skyline'	2.5"Cal.				X													X	
SWO	2	Swamp White Oak / Quercus bicolor	2.5"Cal.			X														X	
EVERGREEN TREES	QTY	COMMON / BOTANICAL NAME	SIZE		Slow	Moderate	Fast	< 6"	6 - 18"	18 - 36"	> 3'	< 18"	3 - 6'	6 - 10'	10 - 15'	> 15'	< 15'	15 - 25'	25 - 40'	40 - 65'	> 65'
GGA	9	Green Giant Arborvitae / Thuja plicata 'Green Giant'	6'-7'				X													X	
FLOWERING TREES	QTY	COMMON / BOTANICAL NAME	SIZE		Slow	Moderate	Fast	< 6"	6 - 18"	18 - 36"	> 3'	< 18"	3 - 6'	6 - 10'	10 - 15'	> 15'	< 15'	15 - 25'	25 - 40'	40 - 65'	> 65'
JTL	2	Ivory Silk Japanese Tree Lilac / Syringa reticulata 'Ivory Silk'	2.5"Cal.		X													X			
SMAG	4	Saucer Magnolia / Magnolia X soulangiana	2.5"Cal.			X													X		
RHS	3	Robin Hill Serviceberry / Amelanchier X grandiflora 'Robin Hill'	2.5"Cal.			X													X		
SHRUBS	QTY	COMMON / BOTANICAL NAME	SIZE		Slow	Moderate	Fast	< 6"	6 - 18"	18 - 36"	> 3'	< 18"	3 - 6'	6 - 10'	10 - 15'	> 15'	< 15'	15 - 25'	25 - 40'	40 - 65'	> 65'
ALV	6	Alleghany Leatherleaf Viburnum / Viburnum rhytidophyllum 'Alleghany'	24"-30"				X							X							
BLL	3	Bloomerang Lilac / Syringa x 'Penda'	5 gal			X							X								
CH	14	China Boy/Girl Holly / Ilex meserveae 'China Boy/Girl' TM	5 gal		X	X							X								
CN	3	Coppertina Ninebark / Physocarpus opulifolius 'Coppertina'	5 gal				X						X								
DKL	3	Dwarf Korean Lilac / Syringa meyeri 'Palibin'	5 gal			X							X								
GVB	16	Green Velvet Boxwood / Buxus 'Green Velvet'	5 gal			X				X											
LLHYD	5	Little Lime Hydrangea / Hydrangea paniculata 'Little Lime'	5 gal				X						X								
RCA	14	Rose Creek Abelia / Abelia x grandiflora 'Rose Creek'	5 gal			X				X											
SBWE	1	Sonic Bloom Weigela / Weigela florida 'Sonic Bloom'	5 gal				X						X								
ANNUALS/PERENNIALS	QTY	COMMON / BOTANICAL NAME	SIZE		Slow	Moderate	Fast	< 6"	6 - 18"	18 - 36"	> 3'	< 18"	3 - 6'	6 - 10'	10 - 15'	> 15'	< 15'	15 - 25'	25 - 40'	40 - 65'	> 65'
HRD	21	Happy Returns Daylily / Hemerocallis hybrid 'Happy Returns'	1 gal				X			X											
AST-VP	6	Visions in Pink Astilbe / Astilbe chinensis 'Visions in Pink'	1 gal			X			X	X											
GRASSES	QTY	COMMON / BOTANICAL NAME	SIZE		Slow	Moderate	Fast	< 6"	6 - 18"	18 - 36"	> 3'	< 18"	3 - 6'	6 - 10'	10 - 15'	> 15'	< 15'	15 - 25'	25 - 40'	40 - 65'	> 65'
DFG	9	Dwarf Fountain Grass / Pennisetum alopecuroides 'Hameln'	5 gal			X				X											
MG	3	Maiden Grass / Miscanthus sinensis 'Gracillimus'	5 gal				X						X								
ROSES	QTY	COMMON / BOTANICAL NAME	SIZE		Slow	Moderate	Fast	< 6"	6 - 18"	18 - 36"	> 3'	< 18"	3 - 6'	6 - 10'	10 - 15'	> 15'	< 15'	15 - 25'	25 - 40'	40 - 65'	> 65'
OSOP	9	Oso Easy Paprika Rose / Rosa x 'OSO Easy Paprika'	5 Gal.			X				X											

LANDSCAPE GUIDELINE SPECS:

GENERAL:

1.) All natural vegetation shall be maintained where it does not interfere with construction or the permanent plan of operation. Every effort possible shall be made to protect existing structures or vegetation from damage due to equipment usage. Contractor shall at all times protect all materials and work against injury to public.
2.) The landscape contractor shall be responsible for any coordination and sequencing with other site related work being performed by other contractors. Refer to additional drawings for further coordination of work to be done.
3.) Underground facilities, structures and utilities must be considered approximate only. There may be others not presently known or shown. It shall be the landscape contractor's responsibility to determine or verify the existence of and exact location of the above (Call utility location services in municipality).
4.) Plant material are to be planted in the same relationship to grade as was grown in nursery conditions. All planting beds shall be cultivated to 6" depth minimum and graded smooth immediately before planting of plants. Plant groundcover to within 12" of trunk of trees or shrubs planted within the area.
5.) It shall be the landscape contractor's responsibility to:
   A.) Verify all existing and proposed features shown on the drawings prior to commencement of work.
   B.) Report all discrepancies found with regard to existing conditions or proposed design to the landscape architect immediately for a decision.
   C.) Stake the locations of all proposed plant material and obtain the approval of the owner's representative or landscape architect ten (10) days prior to installation.
6.) Items shown on this drawing take precedence over the material list. It shall be the landscape contractor's responsibility to verify all quantities and conditions prior to implementation of this plan. No substitutions of types or size of plant materials will be accepted without written approval from the landscape architect.
7.) Provide single-stem trees unless otherwise noted in plant schedule.
8.) All plant material shall comply with the recommendations and requirements of ANSI Z60.1 "American Standards for Nursery Stock".
9.) It shall be the contractor's responsibility to provide for inspection of the plant material by the Landscape Architect (or Owners' Representative) prior to acceptance. Inspections may take place before, during or after installation. Plants not conforming exactly to the plant list will not be accepted and shall be replaced at the landscape contractor's expense.
10.) All bids are to have unit prices listed. The Owner has the option to delete any portion of the contract prior to signing the contract or beginning work. This will be a unit price contract; quotes shall be valid for 12 months.
11.) Should auger equipment be utilized in excavating any plant pits, vertical sides of plant pits shall be thoroughly scarified to avoid creation of "polished side walls" prior to plant material installation.
12.) All excess topsoil, rocks, debris and/or tainted soils shall be removed by the general contractor prior to point project is turned over to the landscape contractor to commence landscape installation.
13.) Keep all plant material (except turf) a minimum of 36" clear of fire hydrants.
14.) Landscape contractor shall kill & remove all existing weeds within the project site.
15.) All tags, nursery stakes, labels, etc. shall be removed by the landscape contractor at completion of all landscape installation.
16.) Landscape contractor shall be in compliance with all federal, state and local laws / regulations relating to insect infestation and/or plant diseases.
17.) All substitutions of plant material shall be submitted to landscape architect for approval.

PRUNING:

1.) Lightly prune trees at time of planting. Prune only the crossover limbs, intermingled leaders and/or any broken branches. Some interior twigs and lateral branches may be pruned. However, do not remove the terminal buds of branches that extend to the edge of the crown.
2.) All pruning shall comply with ANSI A300 standards.

INSURANCE:

1.) The landscape contractor shall submit certificates of insurance for workman's compensation and general liability.

MULCH:

1.) All mulch to be shredded oak bark mulch at 3" depth (after compaction) unless otherwise noted. Mulch shall be clean and free of all foreign materials, including weeds, mold, deleterious materials, etc.
2.) No plastic sheeting or filter fabric shall be placed beneath shredded bark mulch beds. Mirafi fabric shall be used beneath all gravel mulch beds. Lap fabric 6" over adjacent coverages.
3.) Edge all beds with spade-cut edge unless otherwise noted.

MAINTENANCE:

1.) Landscape Contractor shall provide a separate proposal to maintain all plants, shrubs, groundcover, perennials and annuals for a period of 12 months after acceptance.
2.) Contractor shall ensure that only competent and trained personnel shall provide such services and that such services be provided in a timely manner.
3.) Watering of seeded or sodded lawns shall begin immediately and shall continue to be provided continuously for the following 72 hours. Regardless, the landscape contractor shall be resposible for all landscape maintenance until project turnover.

SIGHT TRIANGLES:

1.) No landscape material or other obstructions shall be placed or be maintained within the sight distance area so as not to impede the vision between a height of thirty inches (30") and ten feet (10') above the adjacent street or paving surfaces.
2.) Sight triangles at the intersection of a public street and a private access way (except for single family residences) shall also be formed by measuring from the point of intersection of the street frontage curbs and the entrance curb lines a distance of 35' and connecting the points so established to form the sight triangle area.

TOPSOIL:

1.) Topsoil mix for all proposed landscape plantings shall be five (5) parts well-drained screened organic topsoil to one (1) part Canadian sphagnum peat moss as per planting details. Roto-till topsoil mix to a depth of 6" minimum and grade smooth.
2.) Provide a soil analysis, as requested, made by an independent soil-testing agency outlining the % of organic matter, inorganic matter, deleterious material, pH and mineral content.
3.) Any foreign topsoil used shall be free of roots, stumps, weeds, brush, stones (larger than 1"), litter or any other extraneous or toxic material. Landscape contractor shall be fully responsible for correcting all negative soil issues prior to plant installation. Killing and removal of all weeds shall be the responsibility of the landscape contractor as part of this task.
4.) Landscape contractor to apply pre-emergent herbicide to all planting beds upon completion of planting operations and before application of shredded bark mulch.
5.) Install siltation controls prior to commencement of any grading operations. Inspect and maintain all siltation fences on a weekly basis until vegetation is established.

TURF:

1.) All disturbed lawn areas to be seeded with a mixture of Turf-Type fescue (300# per acre) and bluegrass (18# per acre). Lawn areas shall be unconditionally warranted for a period of 90 days from date of final acceptance. Bare areas more than one square foot per any 50 square feet shall be replaced.
2.) Seed and fertilization operations shall occur between May 1 and June 15th or between September 1 and October 15th unless directed by others in writing AND irrigation system is operating.
3.) Granular or pelleted fertilizer consisting of 50% water-insoluble slow release nitrogen, phosphorous and potassium in a 12-12-12 composition.
4.) The turf contractor shall be responsible for protection of finished grade; restore and repair any erosion or water damage and obtain owners' approval prior to seeding or sod installation.
5.) Landscape contractor shall offer an alternate price for sod in lieu of seed. Sod shall be cut at a uniform thickness of 3/4". No broken pieces, irregular pieces or torn pieces will be accepted.
6.) Any points carrying concentrated water loads and all slopes of 15% or greater shall be sodded.
7.) All sod shall be placed a maximum of 24 hours after harvesting.
8.) Recondition existing lawn areas damaged by Contractor's operations including equipment/material storage and movement of vehicles.
9.) Sod Contractor to ensure sod is placed below sidewalk and all paved area elevations to allow for proper drainage.

WARRANTY:

1.) All plant material (excluding ground cover, perennials and annuals) are to be warranted for a period of 12 months after complete installation of all landscape material at 100% of the installed price.
2.) Any plant material found to be defective shall be removed and replaced within 30 days of notification or in growth season determined to be best for that plant.
3.) Only one replacement per tree or shrub shall be required at the end of the warranty period, unless loss is due to failure to comply with the warranty.
4.) Lawn establishment period will be in effect once the lawn has been mowed three times. Plant establishment period shall commence on the date of acceptance and 100% completion.
5.) A written guarantee shall be provided to the owner per conditions outlined in #1 above.

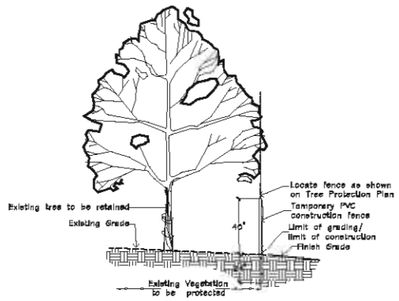
REVISIONS	BY
7/2/19	RAM
8/2/19	RAM
9/10/19	RAM

Landscape TECHNOLOGIES
67 Jacobs Creek Drive, St. Charles, Missouri 63304
(636) 928-1230 Fax: (636) 928-1563
MO Landscape Architectural Corporation #2008008182

STATE OF MISSOURI, RANDALL W. MARDIS, NUMBER 019, REGISTERED LANDSCAPE ARCHITECT
RANDALL W. MARDIS
MISSOURI LANDSCAPE ARCHITECT #000019
DATE 9/10/19

LANDSCAPE PLAN FOR THE PROPOSED
Chase Bank
16985 CHESTERFIELD AIRPORT RD. CHESTERFIELD, MO

DRAWN R. MARDIS
CHECKED RAM/GJB
DATE 6/10/19
SCALE N.A.
JOB No. 2019-142
SHEET
L-2
OF TWO SHEETS



TREE PROTECTION DETAIL
n.t.s.

TREE PROTECTION ACTION KEY SEQUENCE:

1) Survey limit of disturbance.

2) Install tree protection fencing.

3) Post tree protection signage on fence (No signs will be posted on trees).

4) Maintain tree protection area as an off-limits zone.

TREE PROTECTION NOTES:

1) Pre-construction meeting to be held on-site to include a presentation of tree protection measures to operators; construction supervisors; developer's representative; and city zoning inspector.

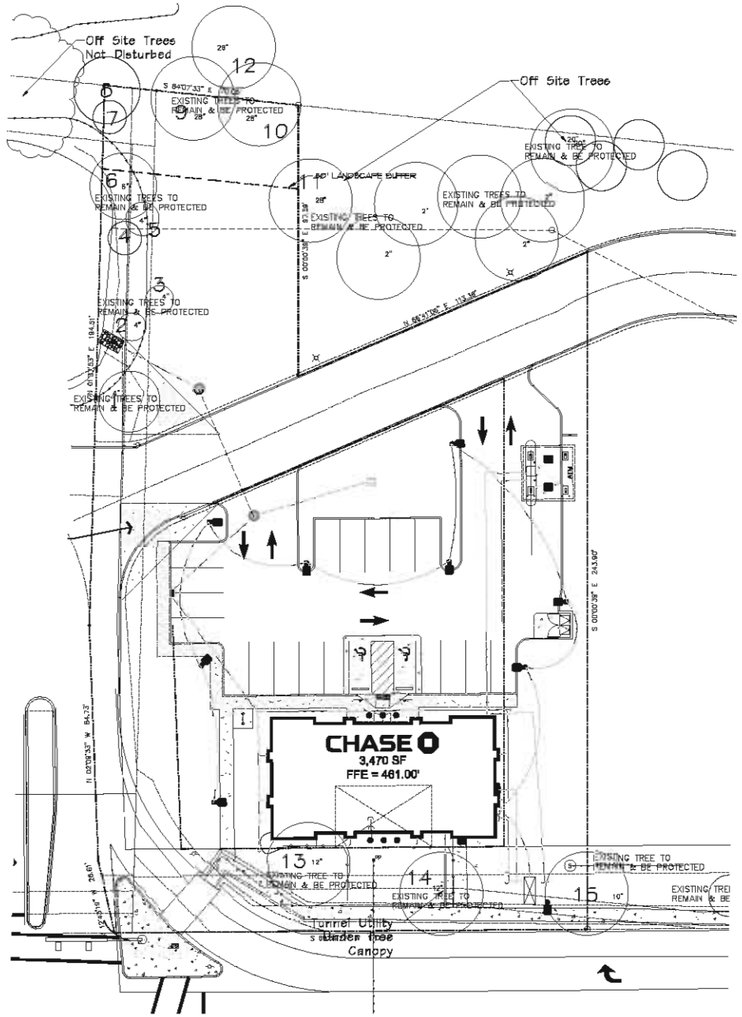
2) Clearing limits shall be rough staked or marked by the applicant's surveyor in order to facilitate location for trenching and fencing installation.

3) No early maintenance schedule is required. Where noted on plan, contractor to trench and root prune prior to any grading activity. Required siltation devices to be installed along limit of disturbance line.

4) No clearing or grading shall begin in areas where the treatment and preservation measures have not been completed including the installation of tree protection fencing along all "Limit of Disturbance" lines shown on the plan.

5) Tree Protection Fencing shall be 4-foot high temporary plastic construction fence. No equipment traffic/parking, concrete washout, material storage or other such construction activity shall be permitted to penetrate the protection fencing or disrupt the Protected Woodland Area except for the removal of dead or invasive plant material. Any proposed plantings shall be subject to the review and approval of the City Arborist. All ground plane shall be mulched with hardwood bark mulch. Tree Protection Signage will be placed along the Protection Fencing as shown as the dashed line on the plan.

6) Tree protection measures to be maintained throughout construction sequence.



Tree Preservation Plan
SCALE 1" = 20'-0"

Chase Bank					
Number	Common Name	DBH Of Trunk	Canopy Area	Condition Rating	Comments
1	Austrian Pine	11	154	4	
2	Norway Spruce	8	80	4	
3	Norway Spruce	8	80	4	
4	Red Maple	6	254	3	
5	Red Maple	5	78	2	
6	Red Maple	6	254	3	
7	Austrian Pine	9	153	2	
8	Sycamore	10	452	3	
9	Bald Cypress	20	706	4	
10	Bald Cypress	20	706	4	
11	River Birch	6-8	452	3	Multi Stem
12	Hawthorn sp.	5	314	3	
13	Hawthorn sp.	5	314	3	
14	Hawthorn sp.	6	314	3	
		Total	4,311		

CONDITION RATING:
1=Poor Quality
2=Average Quality
3=Standard Quality

TREE PROTECTION SUMMARY

Total Site Area: 1.03 AC. (44,945 sf)
Existing Tree Canopy: 4,311 sf
30% preservation requirement: 1,293 sf
Existing Trees to Remain: 4,311 sf (100 %)

LEGEND

109 — Tree Remaining / Reference Number

STATE OF MISSOURI
DOUGLAS A. DELONG
Number LA-91
09/11/2019
Douglas A. DeLong, Landscape Architecture LA-91

Consultants:

Chase Bank
16985 Chesterfield Airport Rd.
Chesterfield, MO

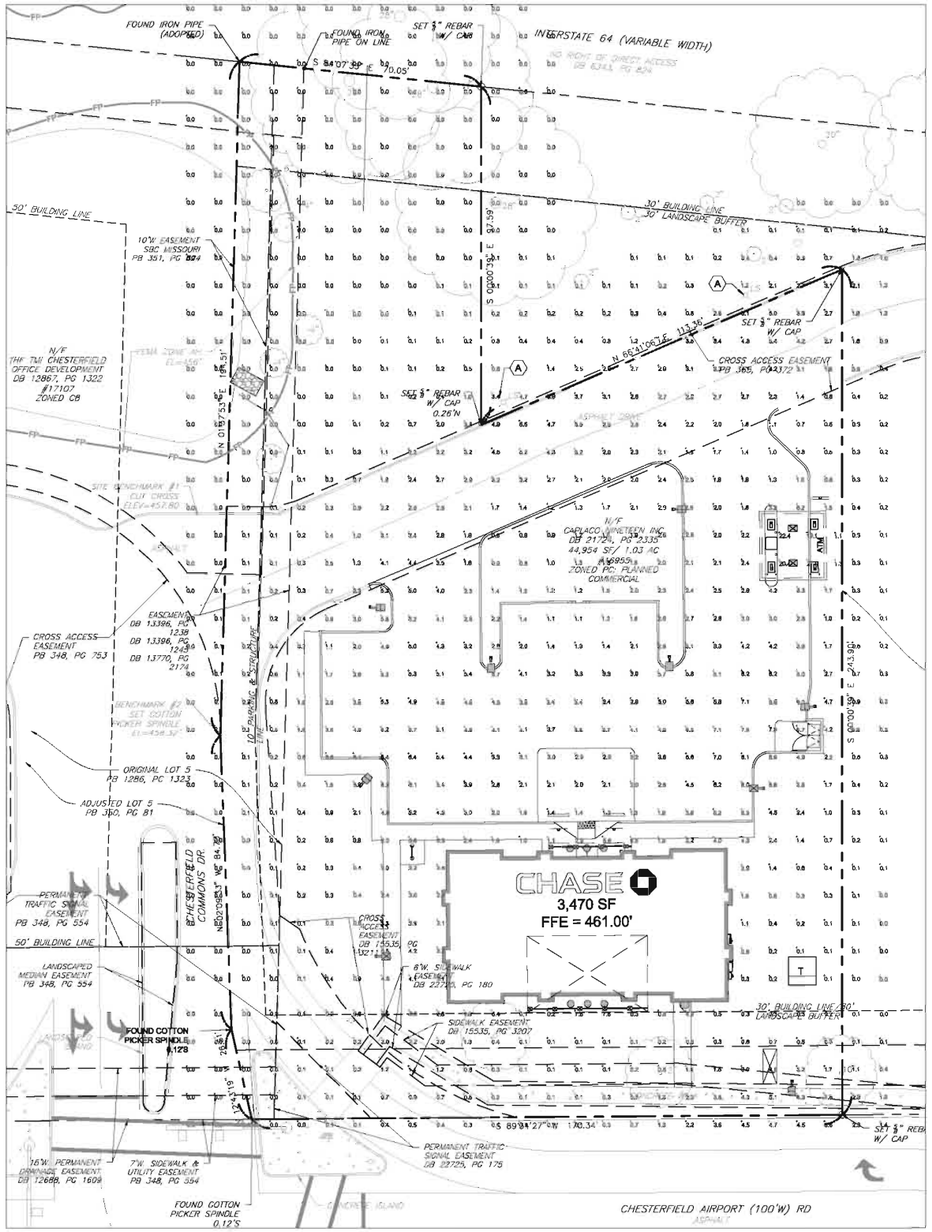
Revisions:

Date	Description	No.
9/11/19	City Comments	1

Drawn: bad
Checked: dad

deLong landscape Architecture
7920 West Bruno Ave
St. Louis, MO. 63117
(314) 546-4866
delong.la@gmail.com

Sheet Title: Tree Protection Plan
Sheet No: TPP
Date: 05/02/2019
Job #: 135.015



LUMINAIRE SCHEDULE

SYMBOL	MANUFACTURER	MODEL	CATALOG	QTY	DISTRIBUTION	MOUNT HT.
⊠	GE	RECESSED CANOPY LIGHT	ECRA0A5F54001BWHTE	2	TYPE 5	10'-8"
▭	MULE LIGHTING	EMLED SERIES - EUE	EUE-BB-10-XX-W-XX	1	TYPE 1	12'-0"
○	GE	ROUND DI SERIES	DI4R10930FL1V/2V10	6	TYPE 5	9'-6"
▭⊞	LITHONIA LIGHTING	D-SERIES 0	DSX0-LED-P4-40K-T6W-MVOLT	1	TYPE 5	20'-0"
▭▭	LITHONIA LIGHTING	D-SERIES 0	DSX0-LED-P4-40K-TFTM-MVOLT	2	TYPE 4	20'-0"
▭⊠	LITHONIA LIGHTING	D-SERIES 0	DSX0-LED-P4-40K-T3M-MVOLT-HS	2	TYPE 3	20'-0"
▭⊞	LITHONIA LIGHTING	D-SERIES 0	DSX0-LED-P4-40K-T3S-MVOLT-HS	4	TYPE 3	20'-0"
⊶⊷	COLOR KINETICS	LINEAR	eCOLOR GRAZE QLX POWERCORE	2	30° X 60° LINEAR	ACCENT

CALCULATION SUMMARY 1

AREA	AVERAGE	MAX	MIN
PAVED AREA @ 5-FT ABOVE GRADE	2.01 fc	22.4 fc	0.0 fc

LIGHTING CALCULATIONS INCLUDE AREA UNDER ATM CANOPY. ATM REQUIRES ADDITIONAL LIGHTING FOR SECURITY.

LIGHTING ANALYSIS - MEASURED AT 5-FT ABOVE GRADE

LIGHTING NOTES
1. LIGHT ANALYSIS CONDUCTED AT 5-FEET ABOVE FINISHED GRADE.
2. ALL PROPOSED FIXTURES ON TIMER TO OPERATE DURING NIGHT TIME HOURS, 30 MINUTES AFTER SUNSET AND 30 MINUTES BEFORE SUNRISE.
3. CONTRACTOR TO INSTALL FIXTURE ON POLE RSS-XX-5B-XXX-XXX AND MATCH ADJACENT PROPERTY LIGHT POLE COLOR. MOUNT HEIGHTS ARE BASED ON HEIGHT ABOVE FINISHED ASPHALT GRADE.
4. LIGHT FIXTURES TO BE MOUNTED ATOP OF A 17-FT POLE MOUNTED TO A 3-FT CONCRETE BASE; TOTAL MOUNTING HEIGHT MEASURED FROM FINISH GROUND ELEVATION TO FIXTURE IS 20-FT.
5. THE SOURCE OF PARKING LOT ILLUMINATION SHALL NOT BE LOWER THAN TEN (10) FEET AND SHALL NOT EXCEED TWENTY (20) FEET ABOVE GRADE, EXCEPT AS APPROVED BY THE PLANNING COMMISSION.
6. LIGHTING SHALL NOT PRODUCE ANY OFF-SITE ILLUMINATION OR AS APPROVED BY THE PLANNING COMMISSION.

⬡ KEYED NOTES:

A. EXISTING ADJACENT LIGHTS MODELED FOR THIS LIGHTING STUDY.

LIGHTING LEGEND

- EXISTING PROPERTY BOUNDARY LINE
- EXISTING ADJOINING PROPERTY LINE
- EXISTING ROAD CENTERLINE
- EXISTING CURB
- PROPOSED CURB
- PROPOSED BUILDING
- 1.9 FOOTCANDLE CALCULATION POINT
- PROPOSED SITE LIGHT FIXTURE

N

GRAPHIC SCALE
20 10 5 0 20
1" = 20'

MSD BASE MAP #17T
MSD P# 19MSD-00273

CORE STATES GROUP
6500 Chippewa Street Suite 200
St Louis, MO 63109
Phone (314) 943-4320
PBennett@core-eng.com

CLIENT
CHASE

811 Know what's below. Call before you dig.

REVISIONS

REV	DATE	COMMENT	BY
1	8/07/19	SITE DEVELOPMENT SECTION PLAN	CDF
2	08/08/19	PER MSD COMMENT	CDF
3	09/11/19	PER CITY COMMENT	CDF
4	09/12/19	PER MSD COMMENT	CDF
5	09/26/19	PER CITY COMMENT	CDF

DOCUMENT
CIVIL CONSTRUCTION DOCUMENTS FOR CHASE BANK

SITE LOCATION
16985 CHESTERFIELD AIRPORT ROAD CHESTERFIELD, MO 63055

ENGINEER SEAL
STATE OF MISSOURI
CHAD D. FAIRBANKS
NUMBER E-2001018720
REGISTERED PROFESSIONAL ENGINEER
09-26-19

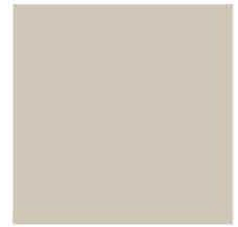
SHEET TITLE
LIGHTING PLAN

JOB #:	JPM.26022
DATE:	06-17-19
SCALE:	1"=20'
DRAWN BY:	ZPM
CHECKED BY:	CDF

SHEET NO.
C11

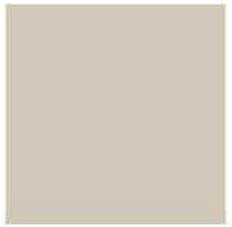
ROOF - RF-1
APPLICATION: ASPHALT SHINGLES
MANUFACTURER: CERTAINTEED
PRODUCT: INDEPENDENCE AR
COLOR: WEATHERED WOOD

BRICK VENEER - BR-2
APPLICATION: BRICK VENEER
MANUFACTURER: ACME BRICK COMPANY
PRODUCT: DENTON 150
COLOR: RED SUNSET



EIFS - EFIS-2
APPLICATION: EIFS ACCENT BANDS
MANUFACTURER: STO CORP.
PRODUCT: STOTHERM PREMIER NEXT
COLOR TO MATCH: SHERWIN-WILLIAMS #SW 7036
"ACCESSIBLE BEIGE"

EIFS - EIFS-4
APPLICATION: EIFS WALLS/PARAPET
MANUFACTURER: STO CORP.
PRODUCT: STOTHERM PREMIER NEXT
COLOR TO MATCH: SHERWIN-WILLIAMS #SW 6108
"LATTE"



PAINT - PCPL-2
APPLICATION: STUCCO
COLOR TO MATCH:
SHERWIN-WILLIAMS #SW 7036
"ACCESSIBLE BEIGE"

PAINT - PCPL-4
APPLICATION: STUCCO
COLOR TO MATCH:
SHERWIN-WILLIAMS #SW 6108
"LATTE"

STONE - ST-1
APPLICATION: CAST STONE-ROCKFACE FIELD UNITS
MANUFACTURER: HARVEY CEMENT PRODUCTS, INC.
PRODUCT: SAVANNA STONE
COLOR: LIMESTONE #3
FINISH: ROCKFACE

STONE - ST-2
APPLICATION: CAST STONE: STARTER COURSE AND SMOOTH-FACE FIELD UNITS
MANUFACTURER: HARVEY CEMENT PRODUCTS, INC.
PRODUCT: SAVANNA STONE
COLOR: LIMESTONE #3
FINISH: SMOOTH

STONE - ST-3
APPLICATION: CAST STONE: SMOOTH-FACE SILLS, CAPS, ETC. WITH BEVELED TOP FACE AND DRIP CUT
MANUFACTURER: HARVEY CEMENT PRODUCTS, INC.
PRODUCT: SAVANNA STONE
COLOR: LIMESTONE #3
FINISH: SMOOTH

CHASE
JP MORGAN CHASE, N.A.

EXTERIOR FINISHES

CHESTERFIELD

16897 CHESTERFIELD AIRPORT RD
CHESTERFIELD, MO 63005
CHASE OVP#: 38200P316271

CORE STATES GROUP

STAFF ANALYSIS

General Requirements for Site Design:

A. Site Relationships

The subject site is located along Chesterfield Airport Road at its intersection with Chesterfield Commons Drive. Its access from Chesterfield Airport Rd. also is shared with a Commercial Development to the west. The cross-access road runs through the northern portion of the site and connects through Lot A (Tesla) to the east, isolating a small portion to the north, abutting Interstate 64. No development is proposed north of the cross-access road. The site is oriented toward Chesterfield Airport Road with parking to the north of the building. Figure 1 depicts the site in context of the surrounding area.

Figure 1: *Aerial View*

B. Circulation and Access

The site is located at the intersection of Chesterfield Airport Road and Chesterfield Commons Drive with an existing private access drive running east-to-west through the northern edge of the site that continues through Lot A of this subdivision (Tesla) and then connects to the intersection of Chesterfield Commons East Drive and Chesterfield Airport Road. This development would be served by two (2) access points along the southern end of this private road with two-way traffic circulating through each access point. Pedestrian access and bicycle parking facilities allow for alternative access to the interior of the site from Chesterfield Airport Rd. A drive-thru ATM would be located at the east access point with one lane which terminates by merging with exit traffic leaving the building's parking area. As Figure 2 illustrates, stacking for the ATM has been included on the site development section plan and meets minimum stacking requirements as defined in the Unified Development Code (UDC).

(Continued)

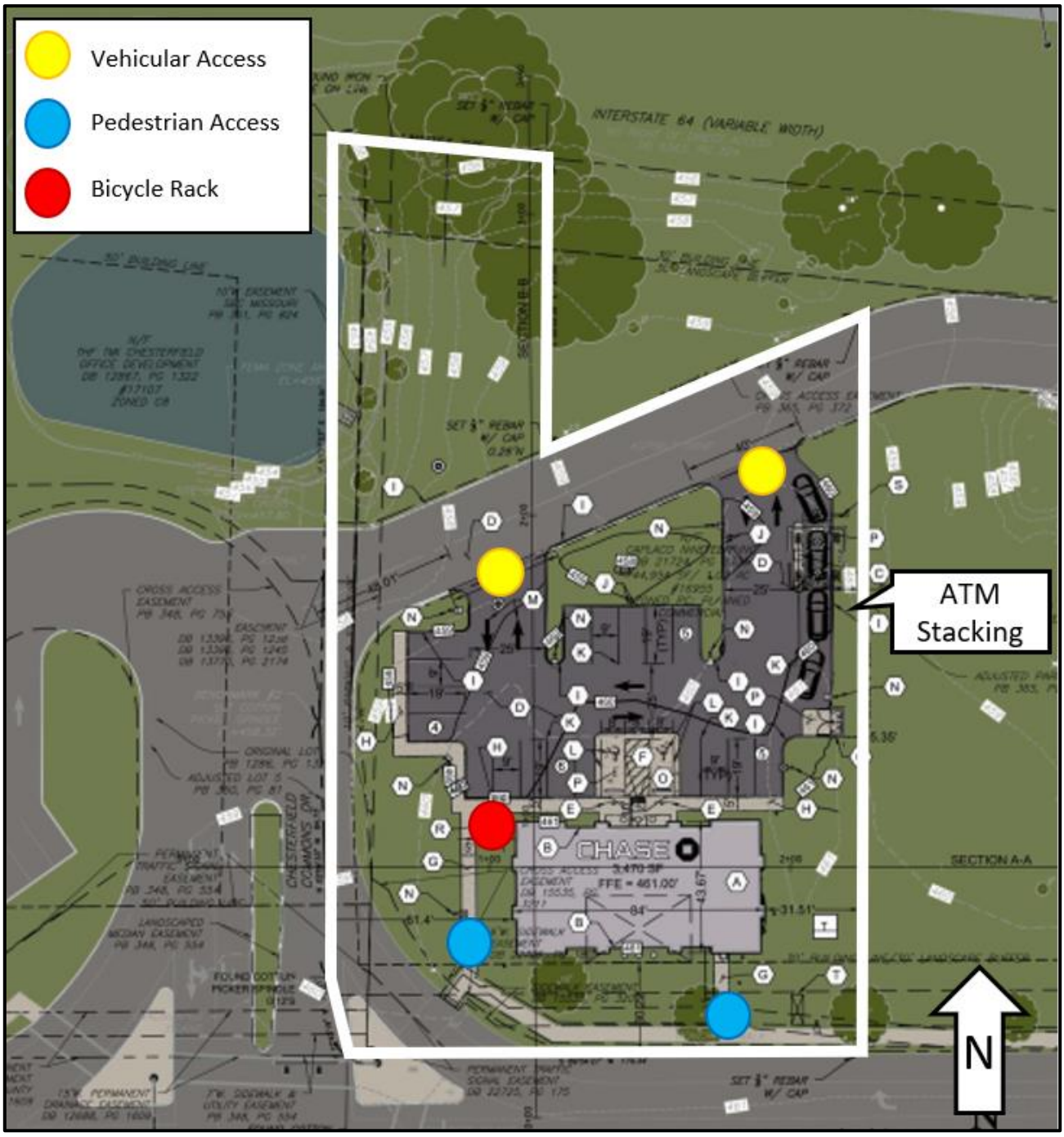


Figure 2: *Site Development Section Plan Excerpt*

C. Topography and Parking

This proposal also entails a request for an increased amount of parking for this site. The parking area currently is proposed to have twenty (20) parking stalls. The City's UDC allows a maximum of 14 parking stalls based on the square footage of the building with its intended land use. The applicant has specifically requested a modification to this allowance and has submitted a parking demand study with the Site Development Section Plan application to emphasize the need for the additional stalls.

(Continued)