



690 Chesterfield Pkwy W • Chesterfield MO 63017-0760 Phone: 636-537-4000 • Fax 636-537-4798 • www.chesterfield.mo.us

Planning Commission Staff Report

Meeting Date: December 13, 2021

From: Chris Dietz, Planner

Location: 875 Chesterfield Parkway W

Description: Chesterfield Ridge Center, Parcel VII (Pfizer) ASDSP: An Amended Site

Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations, and Architect's Statement of Design for a 31.8-acre tract of land zoned "C-8" Planned Commercial District located on the northwest portion of the

intersection of Chesterfield Parkway West and Olive Blvd. (18S521119).

PROPOSAL SUMMARY

Stock and Associates, on behalf of Pfizer, Inc., has submitted an Amended Site Development Section Plan (ASDSP) for a biopharmaceutical campus located at the intersection of Olive Blvd and Chesterfield Parkway West. The ASDSP depicts a three (3) story, 29,000 sq. ft. building addition along the west elevation, two (2) new vestibules on the north elevation, ten (10) additional parking spaces, security gating and minor landscape and lighting improvements throughout the site.

An Amended Site Development Concept Plan (ASDCP) has been submitted in conjunction with this request and will also be reviewed at the December 13, 2021 Planning Commission meeting.



Figure 1: subject Site Aerial

Information regarding the site's history, description of land use and zoning and compliance with the Comprehensive Plan is detailed in the December 13, 2021 Planning Commission Staff report for the Site Development Concept Plan.

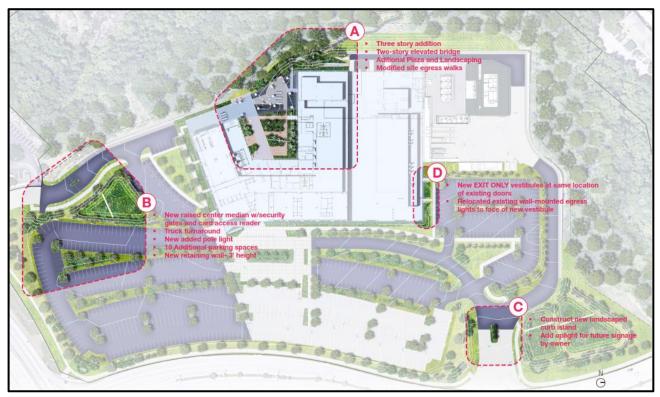


Figure 2: Color Site Plan

STAFF ANALYSIS

Zoning

The site is zoned "C-8"—Planned Commercial under the provisions of City of Chesterfield Ordinance 3026. Within the ordinance, density requirements are specified for each parcel and building group throughout the C-8 District within Chesterfield Ridge Center. The subject site falls within Parcel VII and is comprised of Building Groups F, G, and H as defined in Ordinance 3026. Since these building groups were developed collectively as one research / laboratory campus, the maximum size of any one building is capped at 460,000 sq. ft. with a 135,000 sq. ft. maximum footprint per building. This addition would bring the total square footage of the main building to 291,000 sq. ft. and 131,004 sq. ft. footprint—just below the threshold. There also exists a cumulative maximum build-out for building groups F, G, H, and I of 610,000 sq. ft. This addition would bring the cumulative build-out total to 398,431 sq. ft.

	Building Footpr (Sq. ft.)	rint Building Area (Sq. ft.)	Cumulative Build-Out (F, G, H, & I) (Sq. ft.)
Max Allowed	135,000	460,000	610,000
Current	122,578	262,000	369,431
New total with proposed addition	131,004	291,000	398,431

Table 1: Ordinance 3026 Density Requirements

Circulation and Access

The site is currently accessed by two curb cuts—one from Chesterfield Pkwy. and another from Olive Blvd. The Olive Blvd. entrance is to be gated for security by an island and two security gates with a turnaround area for denied vehicles entering the site. A depiction of the proposed gate system is provided in the figure below:



Figure 3: Proposed Gate System (Olive Blvd.)

The entrance from Chesterfield Parkway will have a landscape island installed, but will not be gated. Pedestrian walkways are located along both street frontages and throughout the site.

Off-Street Parking and Loading

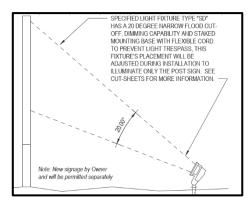
There will be ten (10) additional parking spaces added to the southern portion of the site, bringing the total parking to 675 spaces for this use. This amount is beneath the minimum parking required for this use. However, the applicant is seeking a Deferral of Parking Construction, as permitted by the UDC, until the next phase of construction, which will provide the additional 54 spaces needed to comply with code. This deferred parking is noted on the ASDSP Sheet in the submittal packet, and a parking garage to be constructed in the next phase is shown on the Amended Site Development Concept Plan currently under review.

Landscaping

Ornamental landscaping will be incorporated on both access drive islands entering the site. New plantings will be installed to the west of the new addition with one existing red maple tree to be transplanted from the courtyard to this area as well. No other changes to Landscaping are proposed and all plantings comply with UDC requirements.

Lighting

A total of four (4) types of fixtures is being proposed in conjunction with this request. Soffit lighting will be used beneath the second story of the addition for the pedestrian plaza, along with bollard lighting in and around the courtyard. Both of these fixtures are currently found onsite. One (1) pole fixture will be added to the gate area on the southern access point for security, which will also match other pole fixtures found onsite.



Lastly, a ground-mounted up-lighting fixture will be utilized at the east access point to illuminate a freestanding sign. This type of upward lighting may only be approved by Planning

Figure 4: Lighting Cutoff Exhibit

Commission as an alternative to a fully-shielded fixture when it can be proven that there will be no offsite glare light trespass in excess of 0.5 foot-candle and the proposed fixtures will improve the appearance of the site. The applicant has provided a diagram showing that no light will trespass upward beyond the sign face in the Planning Commission packet, as shown in Figure 4.

Architectural Elevations

The addition will utilize the same design as the rest of the existing building, which will feature a threestory design with covered pedestrian plaza connecting the courtyard to the rest of the site on the first floor with office and laboratory space on the two floors above it.

The height of the addition will be flush with that of the existing building. However, four (4) additional ventilation stacks will be added behind the existing penthouses, which will rise approximately ten (10) feet above the penthouses—equal in height to those already existing on the building. A new penthouse will be added on the west side of the building for screening rooftop equipment from view as part of the building addition. Additionally, two small, 63 square-foot vestibule areas will be added to the north elevation of the building, comprised of the same color and material found elsewhere on the existing building.

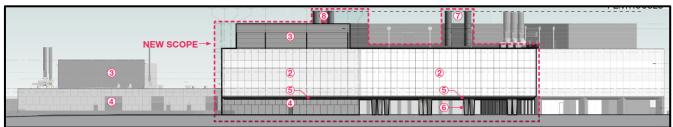
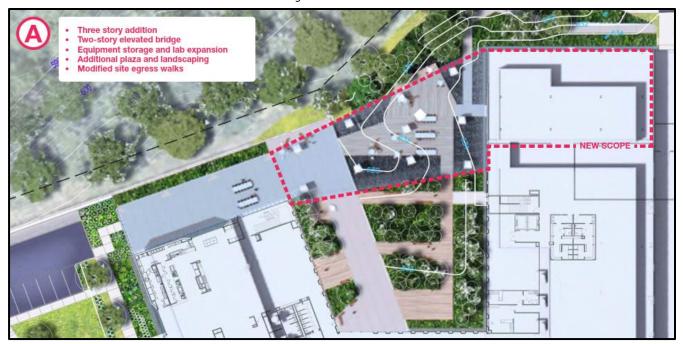


Figure 5: West Elevation



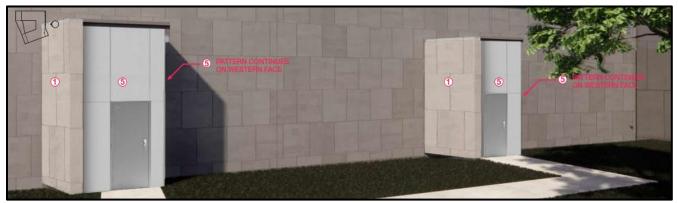


Figure 7: Vestibules (North Elevation)

The material and color palette is almost identical to that found on the existing building, with the exception of the silver-grey metal found on the sloped soffits and columns on the ground level of the addition. The other materials and colors will match what currently exists today: fritted glass curtain wall, tilt-up concrete (grey), stone cladding, metal soffits (alabaster; wood colored), metal paneling (light grey), and metal coping.



Figure 8: Material Palette



Figure 9: Rendering

Architectural Review Board Input

This request was reviewed by the City of Chesterfield Architectural Review Board on November 18, 2021 and was recommended for approval, as presented, by a vote of 6-0.

STAFF RECOMMENDATION

Staff has reviewed this proposed development and found it to be in compliance with the City's Comprehensive Plan, Unified Development Code and Ordinance 3026. All outstanding comments have been addressed at this time. Staff recommends approval of this Amended Site Development Section Plan for Chesterfield Ridge Center, Parcel VII (Pfizer).

MOTION

The following options are provided to the Planning Commission for consideration relative to this application:

- 1) "I move to approve (or deny) the Amended Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations, and Architect's Statement of Design for Chesterfield Ridge Center, Parcel VII (Pfizer), as presented."
- 2) "I move to approve the Amended Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations, and Architect's Statement of Design for Chesterfield Ridge Center, Parcel VII (Pfizer) with the following conditions..." (Conditions may be added, eliminated, altered or modified)

Attachments: Amended Site Development Section Plan Packet

FOURTH AMENDED SITE DEVELOPMENT SECTION PLAN

A TRACT OF LAND BEING ADJUSTED PARCEL 3 OF BOUNDARY ADJUSTMENT PLAT OF A TRACT OF LAND BEING PART OF LOTS 9 AND 10 OF THE JOHN LONG ESTATE AS RECORDED IN PLAT BOOK 353, PAGES 316-317, TOWNSHIP 45 NORTH, RANGE 4 EAST OF THE 5TH PRINCIPAL MERIDIAN CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI

ABBREVIATIONS PROPOSED LEGEND PROPOSED CONTOUR 442---- BACK OF CURB PROPOSED SPOT CLEANOUT DEED BOOK ELEV. - ELEVATION —E—G—T— PROPOSED UTILITIES EXISTING FACE OF CURB

EXISTING I EGEND

442.25

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M.H.	_	LOW FLOW BLOCKED			W	WATER MANHOLE
N/F	_	MANHOLE NOW OR FORMERLY	0	FOUND IRON PIPE	(W)	WATER METER
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T	-	TELEPHONE CABLE	E	ELECTRIC MANHOLE		STORMWATER INLET
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TBR	-	TO BE REMOVED	_			GRATED STORMWATER INLET
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(86'W)	-	RIGHT-OF-WAY WIDTH		TELEPHONE MANHOLE	\Diamond	TRAFFIC SIGNAL
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PROPERTY DESCRIPTION

Adjusted Lot 3 of the Boundary Adjustment Plat of a tract of land being part of Lots 9 & 10 of the John Long Estate, in U.S. Surveys 154 & 415, Township 45 North, Range 4 East, according to the Boundary Adjustment Plat thereof recorded in Plat Book 353 pages 316-317 of the St. Louis

ALSO DESCRIBED AS:

FINISHED FLOOR

FLOWLINE

A tract of land being Adjusted Lot 3 of Boundary Adjustment Plat of a tract of land being part of Lots 9 and 10 of the John Long Estate as recorded in Plat Book 353, Pages 316-317, Township 45 North, Range 4 East of the Fifth Principal Meridian, City of Chesterfield, St. Louis County, Missouri being more particular described as

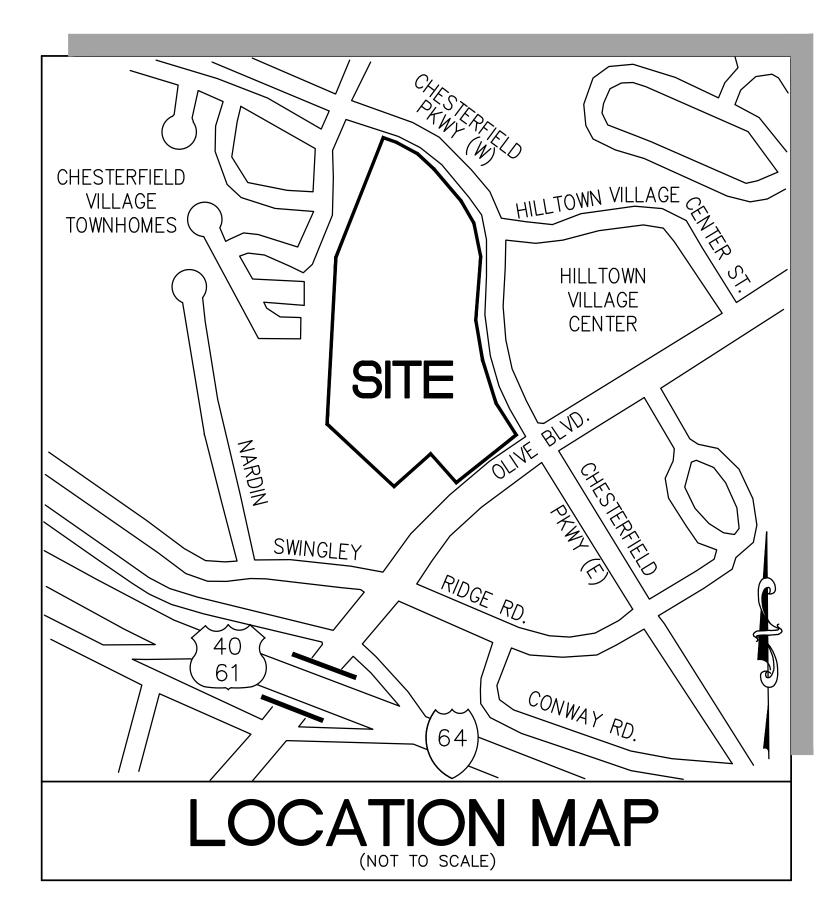
Beginning at the northernmost corner of above said Adjusted Lot 3, said point also being located on a curve to the right having a radius of 914.93, said point also being located on the western right-of-way line of West Chesterfield Parkway, variable width; thence along said right-of-way line the following courses and distances: along last said curve with an arc length of 368.23 feet and a chord which bears South 48 degrees 47 minutes 43 seconds East, 365.75 to a found iron pipe located at the point of compound curvature to the right having a radius of 868.49 feet; along said curve with an arc length of 659.65 feet and a chord which bears South 15 degrees 30 minutes 23 seconds East, 643.91 feet to a found concrete monument located at the point of tangency; South 06 degrees 15 minutes 10 seconds West. 106.28 feet to a found concrete monument located at the point of curvature to the left having a radius of 905.89 feet; along said curve with an arc length of 566.75 feet and a chord which bears South 11 degrees 40 minutes 12 seconds East, 557.55 to a found iron pipe and South 13 degrees 08 minutes 20 seconds West, 68.35 to a found iron pipe located on the northern right-of-way line of Olive Boulevard, (a.k.a. Missouri State Highway A340), variable width; thence along said right-of-way line the following courses and distances: South 57 degrees 25 minutes 40 seconds West, 15.95 feet to a found iron pipe located at the beginning of a curve to the left, having a radius of 1176.28 feet; thence along said curve with an arc length of 385.73 and a chord which bears South 48 degrees 02 minutes 22 seconds West, 384.00 feet to the easternmost corner of Adjusted Lot 1 of Chesterfield Village Apartments Phase 3, a subdivision according to the plat thereof as recorded in Plat Book 263, pages 28 through 30 of above said records, said point also being the beginning of a curve to the left having a radius of 75.00 feet; thence departing last said right-of-way line and along the common line between said Adjusted Lot 1 of Chesterfield Village Apartments Phase 3 and above said Adjusted Lot 3, the following courses and distances: along said curve with an arc length of 37.42 feet and a chord which bears North 31 degrees 44 minutes 41 seconds West, 37.04 feet to a point of tangency; North 46 degrees 02 minutes 22 seconds West, 21.30 feet to a point of curvature to the right having a radius of 194.50 feet; along said curve with an arc length of 140.25 feet and a chord which bears North 25 degrees 22 minutes 57 seconds West, 137.23 feet to a found cut cross located at the beginning of a curve to the left, having a radius of 100.00 feet; along said curve with an arc length of 59.91 feet and a chord which bears South 73 degrees 43 minutes 23 West, 59.02 feet to a found cut cross; North 52 degrees 54 minutes 53 seconds West, 40.63 feet to a found iron pipe and South 36 degrees 19 minutes 46 seconds West, 286.05 feet to the southernmost corner of above said Adjusted Lot 3; thence along the southwestern, western and northwestern lines of above said Adjusted Lot 3 the following courses and distances: North 43 degrees 56 minutes 49 seconds West, 675.55 feet to a found iron pipe; North 00 degrees 46 minutes 14 seconds East 500.00 feet; North 32 degrees 29 minutes 57 seconds East, 480.44 feet to a found iron pipe; South 57 degrees 30 minutes 03 seconds East, 60.00 feet to a found iron pipe; North 32 degrees 29 minutes 57 seconds East, 175.25 feet to a found iron pipe; North 70 degrees 04 minutes 47 seconds East, 85.42 feet; North 02 degrees 28 minutes 17 seconds East, 106.04 feet to a found iron pipe; North 57 degrees 30 minutes 03 seconds West, 59.04 feet to a found iron pipe and North 32 degrees 29 minutes 57 seconds East, 264.81 to the point of beginning, containing 1,386,315 square feet or 31.825 acres more or less according to calculations performed by Stock & Associates Consulting Engineers, Inc. on January 12, 2017.

ST. LOUIS COUNTY BENCHMARK

BENCHMARK#12165 NGVD29 Elev = 646.98 "Standard Aluminum Disk" stamped SL-31, 1990. Disk is set along the west side of Elbridge-Payne Drive; across from the north drive extended for Innovations Inc. Approximately 180' south of the intersection of Hwy I-64 South Outer Road and Elbridge-Payne Drive.

UTILITY NOTE:

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS, RECORDS AND INFORMATION, AND , THEREFORE DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NON-EXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE FACILITIES STRUCTURES AND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS. THE UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION OR CONSTRUCTION OF IMPROVEMENTS. THESE PROVISIONS SHALL IN NO WAY ABSOLVE ANY PARTY FROM COMPLYING



PARCEL VII - BUILDING GROUPS F, G AND H

PERTINENT DATA

= 875 W. CHESTERFIELD PARKWAY SITE ADDRESS = CHAPTER 100 ST. LOUIS COUNTY c/o PFIZER INC. OWNER SITE ACREAGE = 31.79 \pm ACRES EXISTING ZONING = C8 - PLANNED COMMERCIAL ORDINANCE No. = 2916 LOCATOR No. SEWER DISTRICT = METROPOLITAN ST. LOUIS SEWER DISTRICT FIRE DISTRICT = MONARCH FIRE PROTECTION = MISSOURI RIVER WATERSHED SCHOOL DISTRICT = PARKWAY DISTRICT WATER SERVICE = MISSOURI AMERICAN WATER COMPANY GAS SERVICE ELECTRIC SERVICE = AMEREN UE ELECTRIC TELEPHONE SERVICE = AT&T

THIS FOURTH AMENDED SITE DEVELOPMENT SECTION PLAN SHALL ADHERE TO THE LANDSCAPE PLAN, LIGHTING PLAN, TREE PROTECTION PLAN AND TREE STAND DELINEATION AS APPROVED BY THE CITY ON JUNE 25, 2018.

SHEET INDEX

C1.0	TITLE SHEET
C2.0	SITE DEVELOPMENT SECTION PLAN
C3.0	SITE ORDINANCE SHEET
C4.0	SITE ORDINANCE SHEET
L1	LANDSCAPE PLAN AND SCHEDULE
L2	SITE LIGHTING LAYOUT PLAN
L3	SITE LIGHTING LAYOUT COURTYARD ENLARGEMENT
L4	SITE LIGHTING PHOTOMETRIC PLAN
A03.0.1	OVERALL ELEVATIONS
A03.1.3	ENLARGED ELEVATIONS — COURTYARD
A03.1.4	ENLARGED ELEVATIONS — WEST
A03.1.6	ENLARGED ELEVATIONS — COURTYARD
A03.1.8	ENLARGED ELEVATIONS - NORTH

Chapter 100 St. Louis County c/o Pfizer Inc., or its assigns, the leasehold owner 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 03. C8 — Planned Commercial of the City of Chesterfield (applicable subsection) Unified Development Code, do hereby agree and declare that said property from the date of recording of 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 Chapter 100 St. Louis County c/o Pfizer Inc., or its assigns

Title: STATE OF MISSOURI COUNTY OF ST. LOUIS) personally appeared

IN WITNESS WHEREOF, I have signed and sealed the foregoing

Print Name My commission expires:

This Fourth Amended Site Development Section Plan was approved by the City of Chesterfield and duly verified on the ____ day of _ 20___, Director of Planning and Development Services, authorizing the recording of this Fourth Amended Site Development Section Plan pursuant to Chesterfield Ordinance No. 200, as attested to by the Director of Planning and Development Services and the City Clerk.

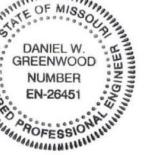
> Justin Wyse, AICP Director of Planning and Development Services City of Chesterfield, Missouri

Vickie McGownd City Clerk City of Chesterfield, Missouri

Ordinance No. 2916 dated October 19, 2016

GEOTECHNICAL ENGINEER'S STATEMENT

GEOTECHNOLOGY, INC. at the request of CRG has provided geotechnical services for the project proposed hereon. A geotechnical investigation was conducted for the development proposed hereon. Our findings indicate that the earth-related aspects are suitable for the development proposed pursuant to the geotechnical recommendations set forth in our subsurface exploration report titled "Subsurface Exploration corporate Office campus, 875 Chesterfield Parkway, Chesterfield, MO" dated 12/05/16.



MICHAEL. STOCK GEORGE M. STOCK E-25116 CIVIL ENGINEER CERTIFICATE OF AUTHORITY NUMBER: 000996

Consulting Engineers, Inc 257 Chesterfield Business Parkway St. Louis, MO 63005 PH. (636) 530-9100 FAX (636) 530-9130 e-mail: general@stockassoc.com Lamar Johnson Collaborative 1

2199 INNERBELT BUSINESS CENTER DRIVE ST. LOUIS, MISSOURI 63114

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DRAWING ISSUE DESCRIPTION Y COMMENTS

RAWING TITLE TITLE SHEET

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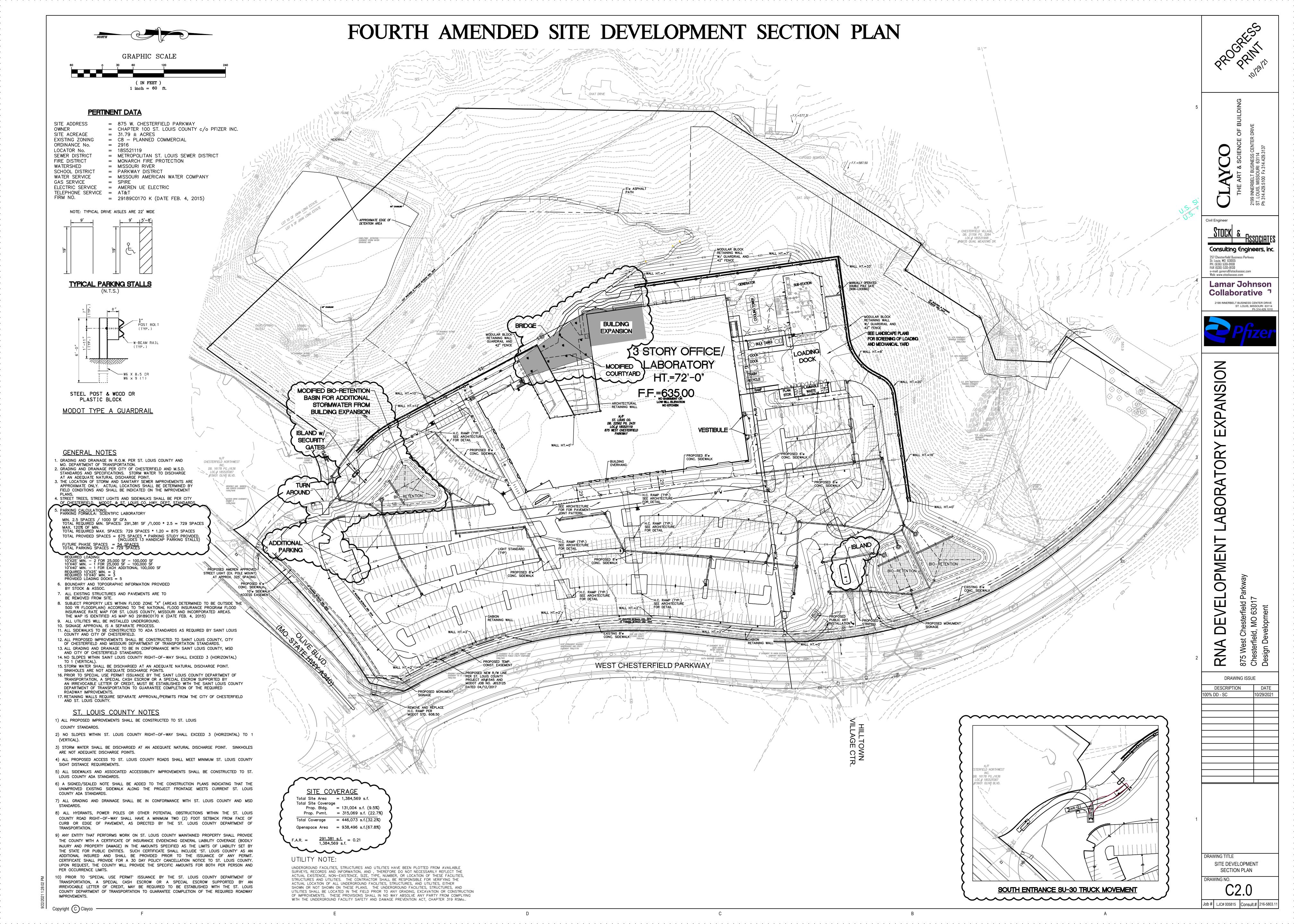
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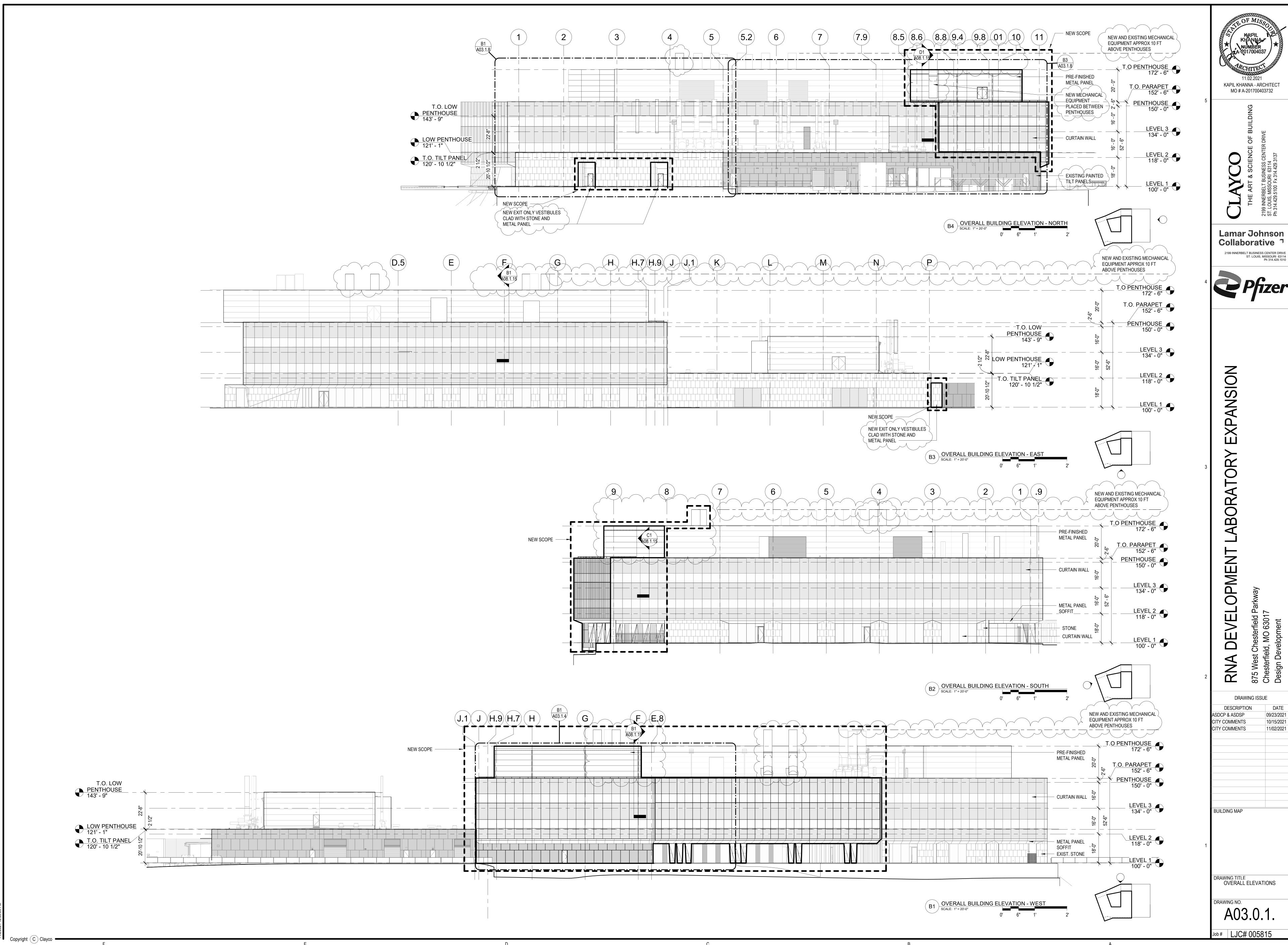
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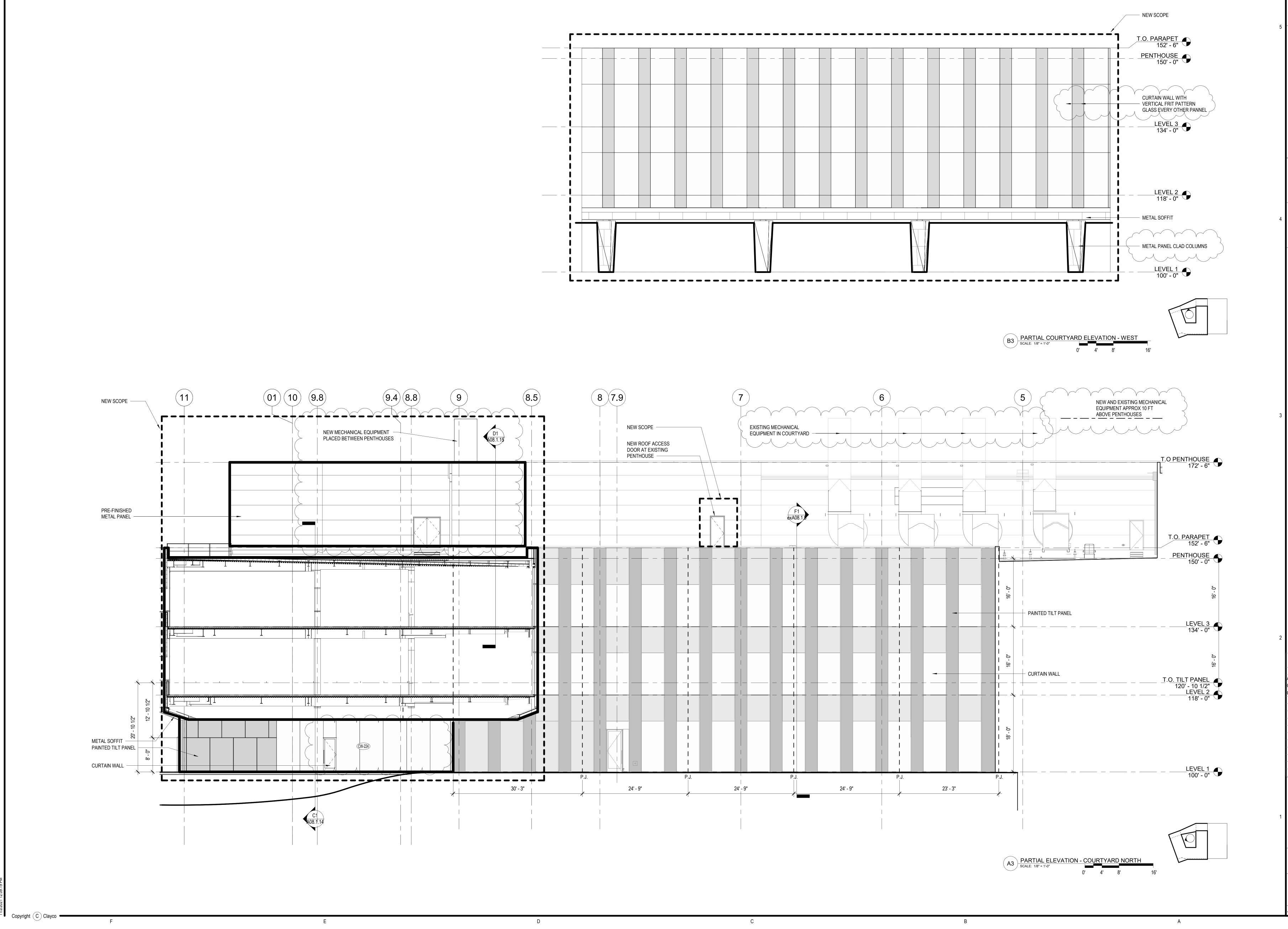
WITH THE UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT, CHAPTER 319 RSMo..

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CLAXCO
THE ART & SCIENCE OF BUILDING
2199 INNERBELT BUSINESS CENTER DRIVE
ST. LOUIS, MISSOURI 63114
Ph 314.429.5100 Fx 314.429.3137

Lamar Johnson Collaborative

2199 INNERBELT BUSINESS CENTER DRIVE ST. LOUIS, MISSOURI 63114 Ph 314.429.1010



XPANSION

RNA DEVELOPMENT LABORATORY EXPAN

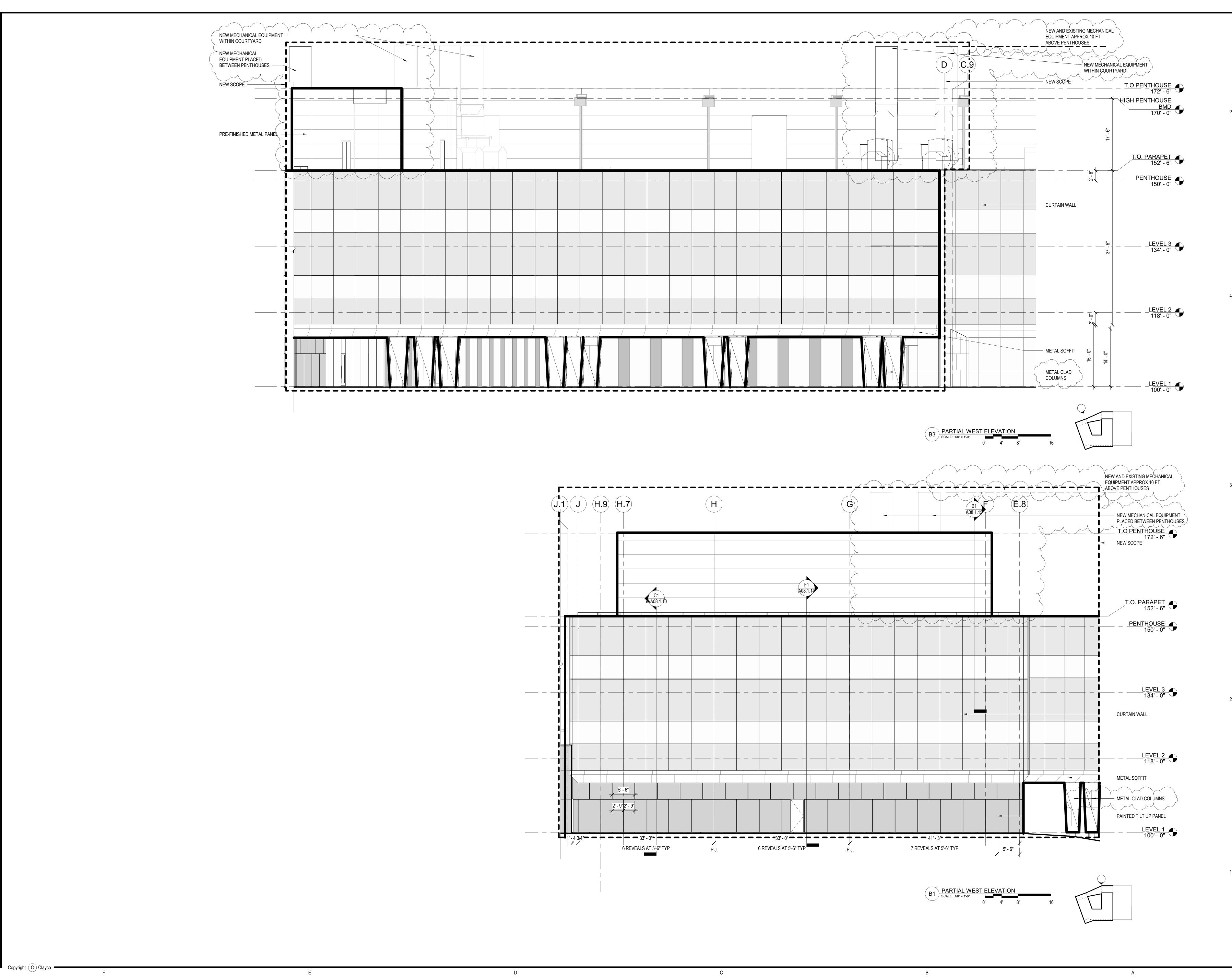
DESCRIPTION DATE
ASDCP & ASDSP 09/23/2021
CITY COMMENTS 10/15/2021
CITY COMMENTS 11/02/2021

BUILDING MAP

DRAWING TITLE ENLARGED ELEVATIONS -COURTYARD

A03.1.3.

Job# LJC# 005815





MO # A-201700403732

Lamar Johnson Collaborative 7 2199 INNERBELT BUSINESS CENTER DRIVE ST. LOUIS, MISSOURI 63114 Ph 314.429.1010

EXPANSION ABORATORY DEVELOPMENT RNA

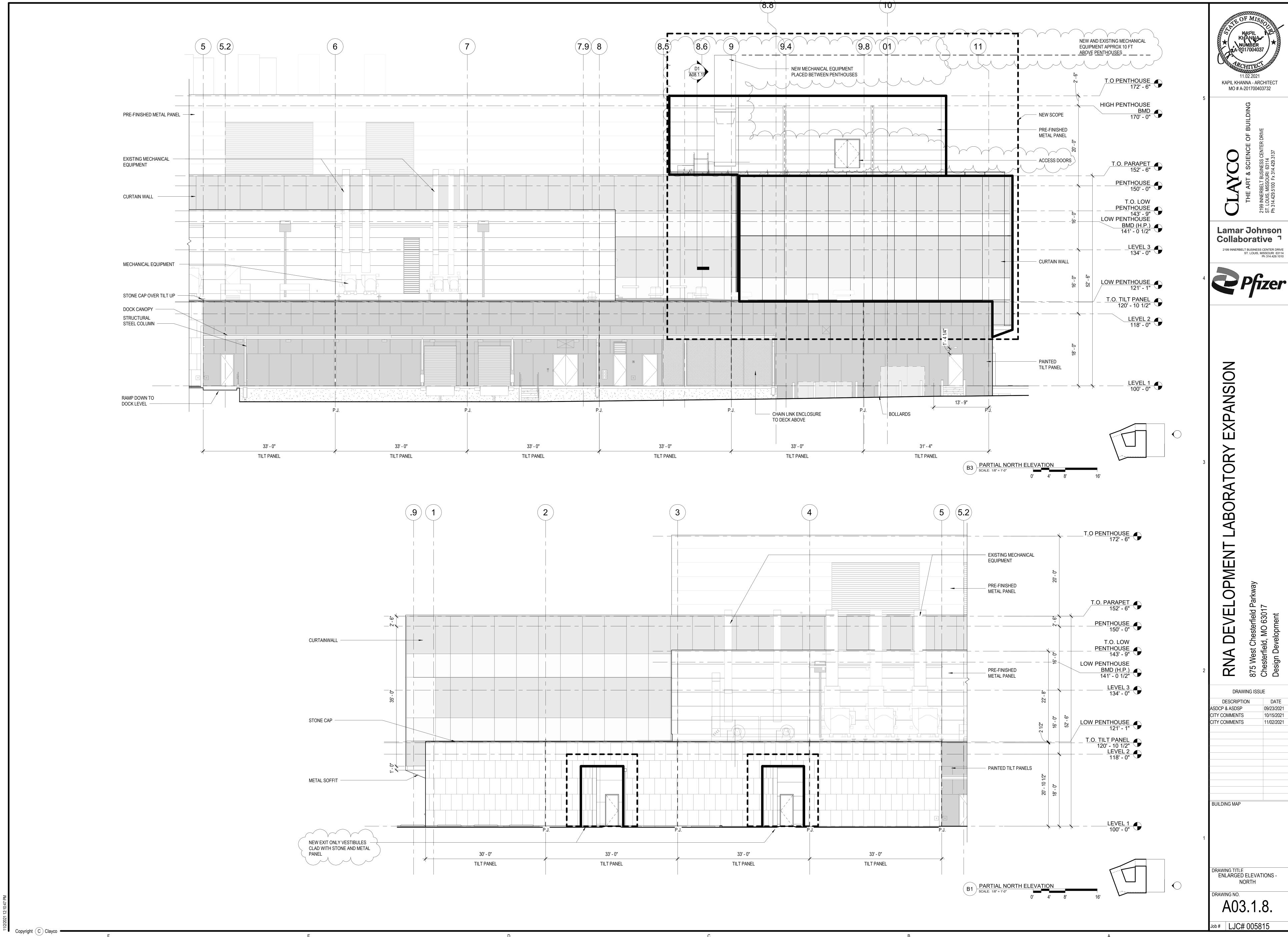
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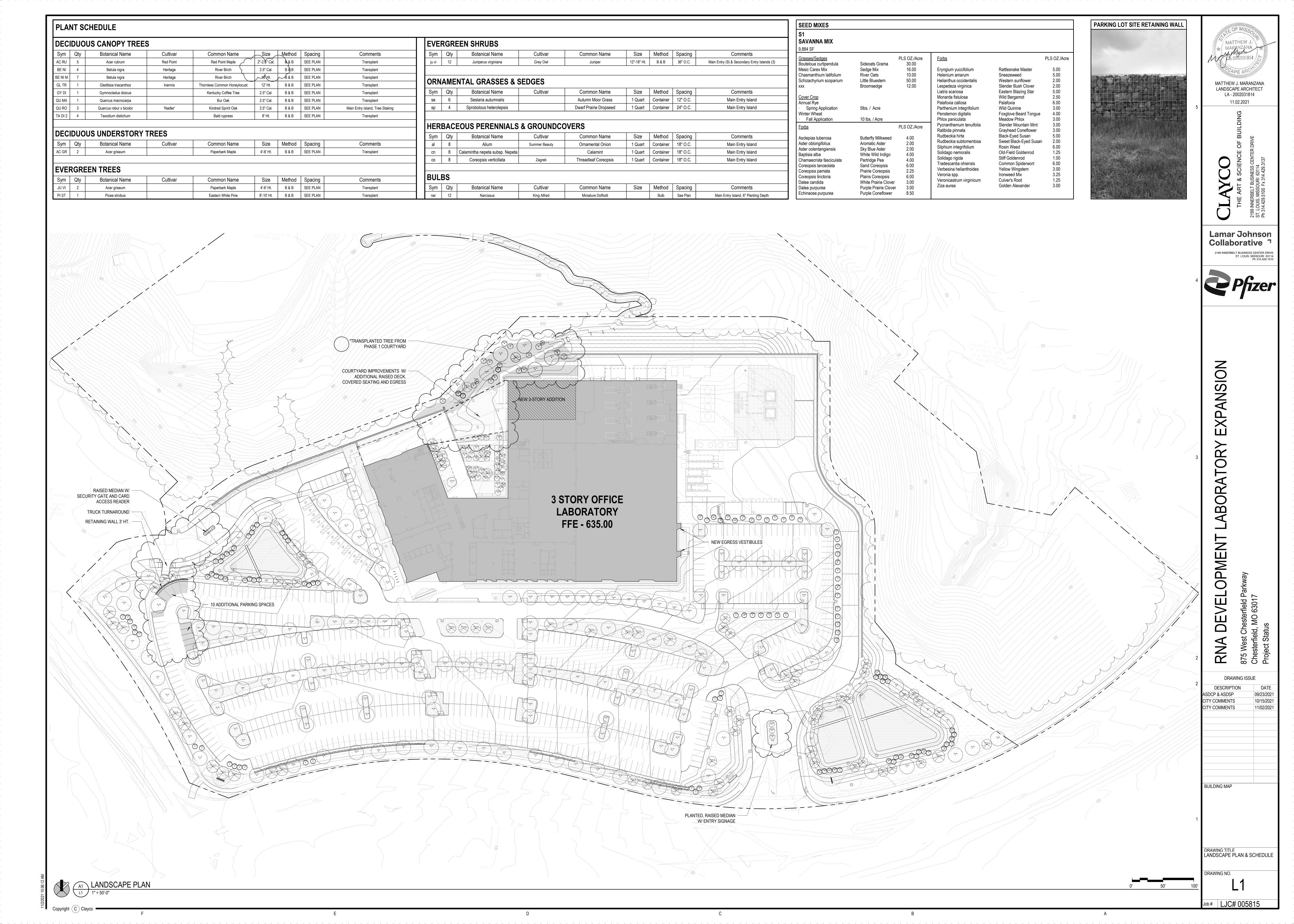
DRAWING ISSUE ASDCP & ASDSP 09/23/2021 CITY COMMENTS 10/15/2021 11/02/2021 CITY COMMENTS BUILDING MAP

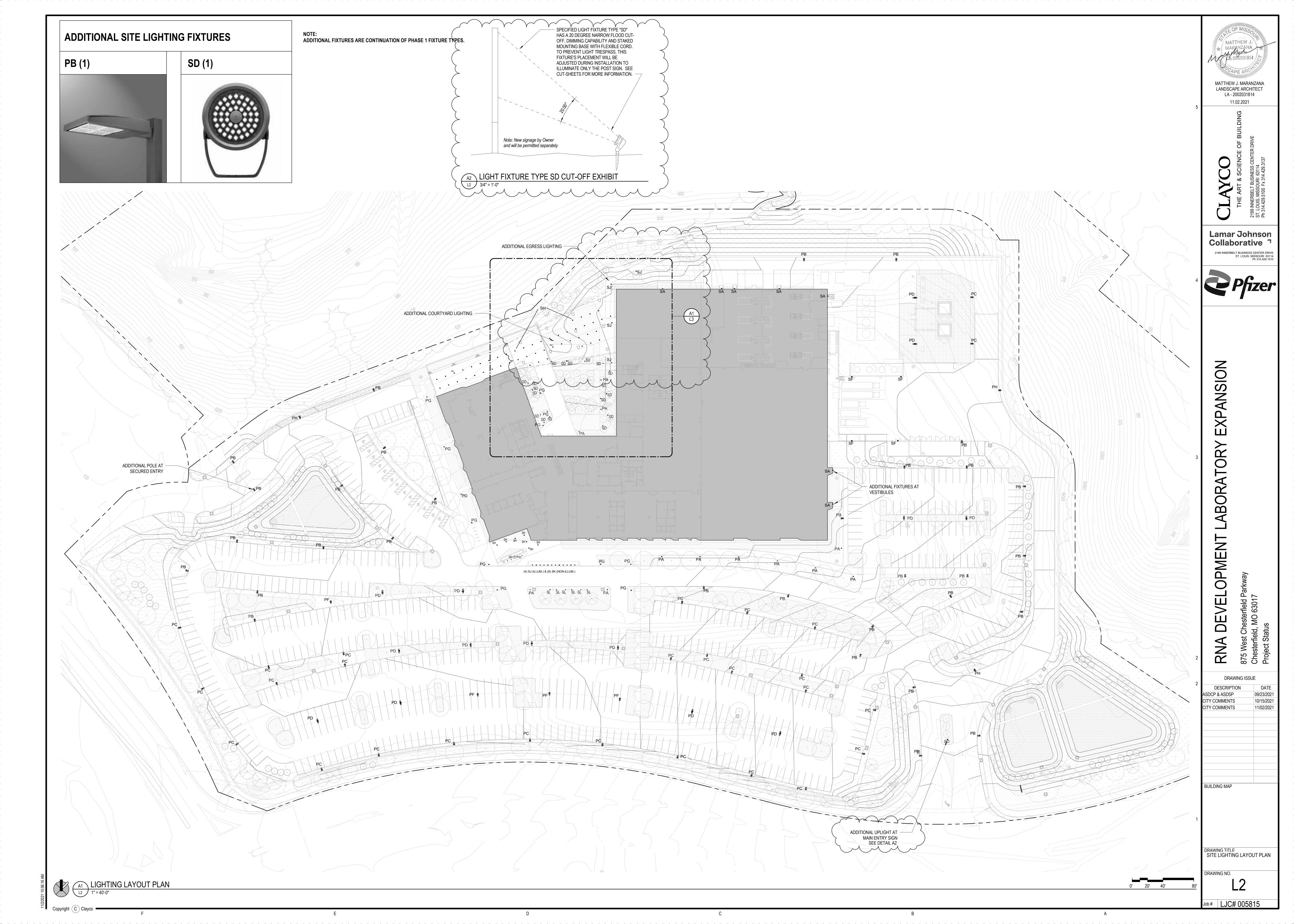
DRAWING TITLE ENLARGED ELEVATIONS - WEST

DRAWING NO. A03.1.4.

Job# LJC# 005815







AN ORDINANCE REPEALING CITY OF CHESTERFIELD ORDINANCES 1358 AND 2685 AND ST. LOUIS COUNTY ORDINANCES 10,842 AND 9,476 FOR A NEW AND CONSOLIDATED ORDINANCE FOR A "C-8" PLANNED COMMERCIAL DISTRICT FOR A 75.0 ACRE AREA OF LAND LOCATED WITHIN THE NORTHWEST QUADRANT OF THE I-64 AND OLIVE BOULEVARD INTERCHANGE (P.Z. 07-2012 CHESTERFIELD VILLAGE NW QUADRANT {RGA INSURANCE CO.} 18S430237, 178110147, 188430260, 188440148, 188420085, 188521098, 188540149, 18S540150 AND 18S540138).

WHEREAS, in response to P.C. 141-79 Chesterfield Village - Sachs Properties. Inc., St. Louis County approved Ordinance 9,476 on November 23, 1979, which authorized a "C-8" Planned Commercial District development, which was subsequently amended by St. Louis County Ordinance 10.842 on November 24, 1982; and.

WHEREAS, St. Louis County approved ordinance 13,756 on February 16, 1988 which removed Parcel V, building group E from the conditions of the prior ordinances;

WHEREAS, in response to correspondence from Sachs Properties, requesting an amendment in the location of the permitted uses in Building Groups D and I, specifically hotels, the City of Chesterfield approved ordinance number 1266 on May 19, 1997; and,

WHEREAS, in response to P.C. 141-79, the City of Chesterfield approved ordinance 1358 on December 18, 1997 to allow for flexibility in the location of allowable square footage in building groups G and H, and to allow revision in the location of an office building in relationship to Chesterfield Parkway North for building

WHEREAS, in response to a petition filed by Sachs Properties, the City of Chesterfield approved ordinance 2685 on January 4, 2012 to permit a Commercial Industrial Design Development procedure to allow shifting of uses between building groups A and B; and,

amendment of a "C-8" Planned Commercial District for a 75 acre area of land located in the northwest quadrant of the intersection of I-64 and Olive Boulevard to allow modifications to building height, density and amendment to the building groups on

WHEREAS, a Public Hearing was held before the Planning Commission on June 25, 2012; and,

minutes 21 seconds West 18.40 feet from the Northwest corner of Lot 26 of said "West County Acres Plat No. 2", said point being also on the East line of said Lot 11 of the Subdivision of the West part of U.S. Survey 415; thence South 51 degrees 04 minutes 01 second West 457.37 feet to a point; thence South 50 degrees 20 minutes 01 second West 191.44 feet to a point; thence South 55 degrees 18 minutes 31 seconds West 9.30 feet to the Northeast right-of-way line of Missouri State Highway 40 TR; thence North 39 degrees 35 minutes 34 seconds West 74.62 feet and North 31 degrees 34 minutes 46 seconds West 40.34 feet along said Northeast right-of-way line of Missouri State Highway 40 TR to a point; thence along a curve to the right whose radius point bears No degrees 57 minutes 18 seconds East 557.46 feet from the last mentioned point, a distance of 330.99 feet; thence North 18 degrees 58 minutes 27 seconds East 378.68 feet to a point; thence South 50 degrees 57 minutes 35 seconds East 573.16 feet to the point of beginning and containing 5.452 acres. (Parcel 5 Ord. 9476)

Zoning Ordinance is granted, subject to all of the ordinances, rules and regulations and the specific conditions as recommended by the Planning Commission in its recommendation to the City Council, which are set out in the Attachment "A" and the preliminary plan indicated as "Attachment B" which is attached hereto as and made

Section 3. The City Council, pursuant to the petition filed by Reinsurance Group of America in P.Z. 07-2012, requesting the amendment embodied in this ordinance, and pursuant to the recommendation of the City of Chesterfield Planning Commission that said petition be granted and after a public hearing, held by the Planning Commission on the 25th day of June 2012, does hereby adopt this ordinance pursuant to the power granted to the City of Chesterfield under Chapter 89 of the Revised Statutes of the State of Missouri authorizing the City Council to exercise

Section 4. This ordinance and the requirements thereof are exempt from the warning and summons for violations as set out in Section 1003.410 of the Zoning

WHEREAS, the Planning Commission, having considered said request, recommended approval of said request; and,

WHEREAS, the Planning and Public Works Committee, having considered said request, recommended approval of the ordinance amendment; and,

WHEREAS, the City Council, having considered said request voted to approve the ordinance amendment request as recommended by the Planning and Public Works

NOW THEREFORE BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY

Section 1. City of Chesterfield Zoning Ordinance and the Official Zoning District Map, which are part thereof, are hereby amended by establishing a "C-8" Planned Commercial District for a 75.0 acre tract of land within the northwest quadrant of the I-64 and Olive Boulevard interchange (18S430237, 17S110147, 18S430260, 18S440148, 18S420085, 18S521098, 18S540149, 18S540150 and 18S540138) and as described as follows:

A tract of land being part of Lot B of "Chesterfield Village North, Plat 1" and part of U.S. Survey 123 in Township 45 North - Range 4 East, St. Louis County, Missouri and being more particularly described as:

Beginning at the intersection of the South line of Swingley Ridge Drive with the Northeast line of Missouri State Route 40 T.R.: thence Eastwardly along said South line of Swingley Ridge Drive, along a curve to the right whose radius point bears South 31 degrees 57 minutes East 178.50 feet from the last mentioned point, a distance of 71.50 feet to a point: thence along a curve to the right whose radius point bears South 9 degrees 00 minutes East 362.87 feet from the last mentioned point, a distance of 139.33 feet to a point; thence South 77 degrees 00 minutes East 532 feet to a point; thence South 13 degrees 00 minutes West 3 feet to a point; thence South 77 degrees 00 minutes East 372.20 feet to a point; thence along a curve to the right whose radius point bears South 13 degrees 00 minutes West 375.50 feet from the last mentioned point, a distance of 182.27 feet to a point; thence South 49 degrees 02 minutes 04 seconds East 554.79 feet to a point; thence along a curve to the right whose radius point bears South 40 degrees 57 minutes 56 seconds West 29.50 feet from the last mentioned point a distance of 46.34 feet to a point; thence South 40 degrees 57 minutes 56 seconds West 653.30 feet to a point; thence North 49 degrees 02 minutes 04 seconds West 19. 50 feet to a point; thence South 76 degrees 53 minutes 48 seconds West 144.59 feet to a point; thence North 43 degrees 45 minutes 55 seconds West 754.55 feet to a point on the right of way line of Missouri State

Section 5. This ordinance shall be in full force and effect from and after its

Passed and approved this 19th day of September, 2012

Bruce Seiger

MAYOR

Planning Commission June 25, 2012

P&PW Committee August 30, 2012

Planning Commission August 13, 2012

improvements

sanitary services.

County Recorder of Deeds Office.

Public Works and disbursed to the County Treasurer.

FIRST READING HELD: 09/05/2012

P.Z. 07-2012 Chesterfield Village NW Quadrant

a. Provide verification to the Department of a preliminary plan indicating

b. Submit verification of approval by the St. Louis County Department of

13. Subsequent to approval of the Final Development Section Plans and prior to

issuance of any building permit, the following requirements shall be met:

storm water runoff off the subject property at abutting roadways.

a. Provide verification to the Department indicating adequate provision of

b. Provide verification to the Department indicating adequate handling of

c. The petitioner shall furnish a two (2) year bond or escrow sufficient in

and approved by the Planning and Development Services Division.

d. Record the approved Final Development Section Plan with the St. Louis

per year effective on the first day of January, 1980, and the first day of each

Section Plan by the Planning Commission, construction shall commence.

Said time limit may be extended on approval by the Planning Commission.

construction employees. Parking on non-paved surfaces shall be prohibited

lease agreement a provision that the purchaser or lessee agrees to be bound

by the conditions herein set forth and included in the approved development

plan for the property. A copy of all the herein attached conditions shall be

furnished by the owner or petitioner to the operator(s), owners(s), or

manager(s) including successive operator(s), owners(s), or manager(s), who

shall forward to the Zoning Enforcement Officer an acknowledgment that he

calendar year thereafter. Such sums shall be collected by the Department of

14. The required contributions shall be increased at the rate of five (5) percent

15. Within two (2) years of the date of approval of the first Final Development

16. The petitioner shall be required to provide temporary off-street parking for

17. Any transfer of ownership or lease of property shall include in the transfer or

amount to guarantee the installation of all landscaping as required on the

final development section plan. Said bond or escrow shall be based on

estimated costs determined by a plant nursery for such improvements

adequate handling of differential runoff due to proposed impervious

Highways and Traffic and the Missouri Department of Transportation as

applicable, of location of all curb cuts, roadway dedication, and

(RGA Insurance Co.)

Route 40 T.R.; thence along said right-or-way line the following courses and distances: North 6 degrees 59 minutes 44 seconds West 225.67 feet to a point; thence North 37 degrees 40 minutes 18 seconds West 205.83 feet to a point; thence North 59 degrees 02 minutes 23 seconds West 215.16 feet to a point; thence North 72 degrees 30 minutes 46 seconds West 59.23 feet to a point; thence North S3 degrees 07 minutes West 210.45 feet to the point of beginning and containing 20.0 acres.

A tract of land being part of Lot 11 of the subdivision of the West part of U.S. Survey 415 and part of U.S. Survey 123 in Township 45 North -Range 4 East, St. Louis County, Missouri, and being more particularly described as:

Beginning at the intersection of the West line of proposed Swingley Ridge Drive East, 31 feet wide, with the Northeast line of Missouri State Route 40 T.R.; thence Northwestwardly along said Northeast line of Missouri State Route 40 T.R. North 31 degrees 34 minutes 46 seconds West 490.47 feet to a point; thence North 17 degrees 30 minutes 05 seconds West 349.36 feet to a point; thence North 37 degrees 47 minutes 33 seconds West 199.89 feet to a point; thence North 8 degrees 44 minutes 51 seconds East 155.74 feet to a point; thence North 49 degrees 02 minutes 04 seconds West 19.50 feet to a point; thence North 40 degrees 57 minutes 56 seconds East 662.39 feet to a point; thence along a curve to the right whose radius point bears South 40 degrees 02 minutes 04 seconds East 29.50 feet from the last mentioned point, a distance of 46.34 feet to a point on the Southwest line of proposed Swingley Ridge Drive East, 31 feet wide; thence along the right-of-way line of proposed Swingley Ridge Drive East, 31 feet wide, the following courses and distances: South 49 degrees 02 minutes 04 seconds East 113.82 feet, along a curve to the right whose radius point bears South 40 degrees 57 minutes 56 seconds West 557.46 feet from the last mentioned point, a distance of 661.69 feet, South 18 degrees 58 minutes 27 seconds West 677.19 feet, along a curve to the left whose radius point bears South 71 degrees 01 minute 33 seconds East 588.46 feet from the last mentioned point, a distance of 265.02 feet to the point of beginning and containing 15.3 acres.

A tract of land being part of Lot 11 of the subdivision of the West part of U. S. Survey 415 in Township 45 North - Range 4 East, St. Louis County, Missouri, and being more particularly described as:

Beginning at a point on the West line of Nest County Acres Plat 2, a subdivision according to the plat thereof recorded in Plat Book 68, page 17 of the St. Louis County records, said point being distant South 9

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ATTACHMENT A

All provisions of the City of Chesterfield City Code shall apply to this development except as specifically modified herein.

The application for a Planned Commercial Development on the tracts of land described in this ordinance is approved on condition that said development and plan is carried out in accordance with the preliminary plans filed with the St. Louis County Planning Commission and forwarded to the County Council with a communication dated September 21, 1979, which reference as if fully set out in and made a part of this ordinance, and subject to all applicable ordinances, laws and regulations and to the following conditions:

1. This Ordinance authorizes the commercial development of an integral planned commercial and residential community known as "Chesterfield Village". Of the larger overall development, this commercial portion is located generally west of Olive Street Road (State Route 340) and north of U.S. Highway 40 containing 75 acres. The intent of this Ordinance is to effect proper development of this site conforming to good planning practices and adhering to the preliminary plan revised August 24, 1979, and approved by

the Planning Commission. Within two (2) years of the date of approval of this "C-8" Planned Commercial District rezoning by the City of Chesterfield Council and prior to any site preparation, the petitioner shall submit to the Planning Commission for review and approval a Final Development Concept Plan. Where due cause is shown by the petitioner, this time interval may be extended through appeal to and approval by the Planning Commission. Said plan shall include but not be limited to the following:

a. Primary use types.

I. General Conditions

b. Project road rights-of-way.

Approximate location of peripheral and primary internal roads.

d. Parking and building setbacks.

e. Off-street parking and loading ratios. Indication of phasing lines which shall serve as project boundary lines for

the future section plans. g. Gross square footage and maximum height of all proposed buildings, or building groups.

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or she has read and understood each of these conditions and agrees to comply therewith.

18. The above conditions of the "C-8" Planned Commercial District shall be enforced in compliance with the Final Development Section Plans approved by the City of Chesterfield Planning Commission.

19. In addition to the conditions herein imposed, this Planned Commercial District shall be subject to all applicable provisions of the City of Chesterfield Zoning Ordinance and Subdivision Ordinances. The Zoning Enforcement Officer of the City of Chesterfield shall enforce the conditions of this permit in accord with the approved Final Development Concept and Section Plans approved by the Planning Commission.

II. Specific Design Criteria: "C-8" Along Highway 40

1. The uses permitted in this "C-8" Planned Commercial District shall be limited to the following (based upon building group numbers supplied on the preliminary development plan):

station, restaurants, theaters and heliport; such uses not to exceed 460,000 gross square feet. Additionally, one (1) hotel with a maximum of 350 rooms with certain retail uses specifically accessory to a hotel facility is permitted within building group B. In the event that the hotel is not constructed in building group B, a maximum floor area of 749,783 gross square feet on building groups A and B shall be permitted.

a. building groups A and B: offices, retail commercial, one (1) service

b. building group C: offices, retail and restaurant not to exceed 350,000 gross square feet;

c. building group D: offices, retail, restaurants, one (1) service station and theater; and one (1) hotel, not to exceed 170,000 gross square feet; The above noted gross square foot figures indicate the maximum allowable within each building group. The word "offices" shall also

include the following: medical laboratories, technical and business

schools, public and professional schools, medical clinics, and scientific laboratories. 2. The following shall regulate all retail commercial uses in the building groups

a. a maximum of 50,000 gross square feet may be used for retail commercial activity;

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point, a distance of 659.44 feet, South 5 degrees 09 minutes 41 seconds West 106.63 feet, and along a curve to the left whose radius point bears South 84 degrees 50 minutes 19 seconds East 905.89 feet from the last mentioned point, a distance of 203.64 feet to a point on the Northwest line of aforesaid Rinkel property; thence Southwestwardly along said Northwest line, South SS degrees 19 minutes 04 seconds West 53.28 feet to the point of beginning and containing 32.4 acres.

A tract of land being part of U.S. Survey 154 in Township 45 North -Range 4 East, St. Louis County, Missouri, and being more particularly

Beginning at the intersection of the North line of Henry Hoch Drive, 43 feet wide, with the East line of proposed Chesterfield Village Parkway 80 feet wide; thence Northwardly along said East line of proposed Chesterfield Village Parkway, 80 feet wide, along a curve to the left whose radius point bears South 77 degrees 40 minutes 50 seconds West 948.49 feet from the last mentioned point, a distance of 430.80 feet to a point; thence North 51 degrees 39 minutes 26 seconds East 456.05 feet to a point; thence South 38 degrees 20 minutes 34 seconds East 370 feet to a point; thence South 50 degrees 23 minutes 55 seconds

East 280.47 feet to a point; thence South 10 degrees 24 minutes 12 seconds West 150 feet to a point on the North line of said Henry Hoch Drive, 43 feet wide; thence Westwardly along said North line along a curve to the left whose radius point bears South 10 degrees 24 minutes 12 seconds West 421.50 feet from the last mentioned point, a distance of 215.41 feet to a point; thence South 71 degrees 07 minutes 21 seconds West 147.76 feet to a point; thence along a curve; to the right whose radius point bears North 18 degrees 52 minutes 39 seconds West 378.50 feet to from the last mentioned point, a distance of 114.07 feet to a distance of 114.07 feet to a point; thence South 88 degrees 23 minutes 23 seconds West 73.61 feet to a point; thence North 59 degrees 06 minutes 16 seconds West 64.58 feet to the point of beginning and containing 7.3

Less and Excepting the following:

St. Louis County Ordinance #13,756 (Parcel 5 Ord. 9476) A tract of land being part of Lot 11 of the Subdivision of the West part of U.S. Survey 415, Township 45 North - Range 4 East, St. Louis County, Missouri, and being more particularly described as:

Beginning at a point on the West line of "West County Acres Plat No. 2" a subdivision according to the plat thereof recorded in Plat Book 68, Page 17 of the St. Louis County Records; said point being South 09 degrees 30

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> each shall not be less than 400 square feet in area. Vertical curbs will be used around planning areas to protect them from automobiles and keep out de-icing salt. Such areas will control traffic patterns and thereby improve safety as well as provide shade and offer a visual relief against extensive pavement area. b. In retail, office and general commercial parking lots, rows of trees

planted in landscape areas shall be used to subdivide large parking areas into smaller and more identifiable parking areas. Pedestrian walkways shall be provided in the parking areas to safely allow pedestrian movement to and from building access points. In the case of parking decks, said structures shall be supplemented by a significant landscape plan around the periphery of said structure to mitigate visual

c. Where commercial development is contiguous to residentially zoned areas, special landscape treatment will be required. A minimum shall be a planting strip of twenty (20) feet in order to insulate adjacent residential land uses. In addition, planning, masonry walls, sight-proof fences, earth berms and / or depressed parking areas may be required by the Planning Commission.

d. Planting of street trees shall be a standard practice along the major arterials and collector streets. Trees shall be planted at regular intervals (minimum of two, two inch caliper, trees every seventy-five feet or frontage) on both sides except where berms, existing topography or views make another specific design treatment preferable and when approved by the Planning Commission.

e. The circumferential roadway connecting the Chesterfield Parkway North with Schoettler Road will contain a median planter area. Special considerations shall be given to the scenic qualities of this roadway and a landscape plan of such shall be reviewed and approved by the Planning Commission.

5. All Final Development Section Plans must be consistent with the approved Final Development Concept Plan, and shall contain one or more complete development sections. Each such plan shall be comprised of at least twenty (20) percent open space devoid of any structures or paving.

6. All Final Development Section Plans shall be reviewed in order to determine whether mass-transit facilities should be included as part of the site development design. Such facilities might include bus shelter locations and

bus pull-off lanes. Roadway alignment and location, and other roadway circulation design

features including right-of-way dedication and improvement on the Final

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> iii. Two hundred (200) feet of the eastern point of the parcel contiguous to residential zoned land.

d. The following shall be the maximum allowable height for structures: building group A: six (6) floors;

ii. building group B: fifteen (15)stories for the hotel and ten (10) floors

for all other uses; iii. building group C: twenty-five (25) floors;

iv. building group D: six (6) floors;

v. building group E: three (3) floors

5. The uses listed below shall only be allowed within the following described setbacks:

a. the permitted twenty-five (25) story office building in building group C shall be situated within 300 feet of U.S. Highway 40 right-of-way and within 400 feet of the Chesterfield Parkway North;

b. the permitted fifteen (15) story hotel building in building group B shall be situated within 300 feet of U.S. Highway 40 right-of-way and within 400 feet of the Chesterfield Parkway North:

c. the permitted service station within building group A shall be located within 200 feet of Swingley Ridge Road or within 200 feet of the Chesterfield Parkway North rights-of-way:

d. the permitted service station within building group D shall be located within 400 feet of the Chesterfield Parkway North.

6. In addition to requirements elsewhere in this ordinance and requirements of the City of Chesterfield City Code, the following are additional requirements for building group B:

a. Provide a traffic study as directed by the City of Chesterfield, St. Louis County Department of Highways and Traffic, and the Missouri Department of Transportation. Improvements involving regional issues shall be addressed as directed by all governing jurisdictions.

b. Provide road improvements, as directed by the City of Chesterfield, St Louis County Department of Highways and Traffic, and the Missouri Department of Transportation as identified in the study prepared by Bernardin, Lochmueller & Associates, Inc. dated July 23, 2012 and any addendum thereto. As identified in this study, modification of the

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degrees 30 minutes 21 seconds West 827.05 feet from the Northwest

corner of said West County Acres Plat 2: thence South 51 degrees 04

20 minutes 01 second West 191.44 feet to a point; thence South 55

degrees 18 minutes 31 seconds West 9.30 feet to a point on the right-of-

way line of Missouri State Route 40 T.R.; thence Northwestwardly along

said right-of-way line North 39 degrees 35 minutes 34 seconds West

74.62 feet to a point; thence North 31 degrees 34 minutes 46 seconds

West 40.34 feet to a point on the right-of-way line of proposed Swingley

Ridge Drive, 31 feet wide; thence along said right-of-way line of proposed

Swingley Ridge Drive East, 31 feet Wide, along a curve to the right whose

radius point bears North 74 degrees 57 minutes 19 seconds East 557.46

feet from the last mentioned point a distance of 330.99 feet to a point;

thence North 18 Degrees 58 minutes 27 seconds East 378.68 feet to a

point; thence South 50 degrees 57 minutes 35 seconds East 573.16 feet

A tract of land being part of U.S. Survey 123, 154, and the subdivision of

the West part of U.S. Survey 415 in Township 45 North - Range 4 East,

Beginning at the most Western corner of property conveyed to Nelson J.

Rinkel as described in the deed recorded in Book 5638, page 424 of the

St. Louis County records; thence Southeastwardly along the Southwest

line of said Rinkel property South 33 degrees 27 minutes 21 seconds East

137.35 feet to a point on the West line of proposed Chesterfield Village

Parkway; thence Southwardly along said West line along curve to the left

whose radius point bears North 72 degrees 53 minutes 10 seconds East

905.89 feet from the last mentioned point, a distance of 263.14 feet to a

point on the Northwest line of Olive Street Road; thence Southwestwardly

along said Northwest line South 56 degrees 19 minutes 39 seconds West

66.59 feet to a point; thence along a curve to the left whose radius point

bears South 33 degrees 40 minutes 21 seconds East 1,176.28 feet from

the last mentioned point a distance of 353.71 feet to a point; thence North

53 degrees 56 minutes 17 seconds West 254.51 feet to a point; thence

South 35 degrees 18 minutes 22 seconds West 286 feet to a point; thence

North 44 degrees 46 minutes 25 seconds West 675.15 feet to a point;

thence North 0 degrees 19 minutes 57 seconds West 500 feet to a point;

thence North 31 degrees 25 minutes 19 seconds East 1,080 feet to a point

on the right-of-way line of proposed Chesterfield Village Parkway, 80 feet

wide; thence along said right-of-way line of Chesterfield Village Parkway,

80 feet wide, the following courses and distances: Along a curve to the

right whose radius point bears South 28 degrees 36 minutes 16 seconds

West 914.93 feet from the last mentioned point, a distance of 368.12 feet,

continuing along a curve to the right whose radius point bears South 51

degrees 39 minutes 26 seconds West 868.49 feet from the last mentioned

h. Parcel numbers and building group numbers as indicated on the

approved preliminary development plan.

i. All zoning district boundaries and zoning classifications.

j. Location of advertising sign limited to project identification only.

3. Within one (1) year of the date of approval of the Final Development Concept

Plan and after the Plan has been recorded with the St. Louis County

Recorder of Deeds Office, the petitioner shall submit to the Planning

Commission for its review and approval, the first Final Development Section

extended through appeal to and approval by the Planning Commission. Said

Final Development Section Plan shall include but not be limited to the

a. The location, size and use of all proposed structures, including retaining

c. Existing and proposed contours at two (2) foot intervals, except that

d. Location and size of all parking areas including landscape treatment of

f. The design, location, and size of all proposed free standing signs,

g. A landscape plan, including the location, size, and type of all plantings

With each Final Development Section Plan a detailed landscape plan must be

submitted to the Planning Commission for review and approval. Such plan

shall as a minimum contain information on type, size, and number of each

landscape material to be used. Specifically the following shall also be

a. Parking areas in excess of 10,000 square feet shall contain internal

landscape islands planted with trees and other plant materials. Planning areas within parking lots shall not be less than six (6) feet in width and

grades greater than ten (10) percent may be indicated at five (5) foot

Indication of development phasing on the same parcel if anticipated.

e. Roadways and drives on and adjacent to the property in question.

lighting, fences and trash areas.

and other materials to be used.

h. Indication of sanitation and drainage facilities.

j. Parking calculations for the property in question.

Parking and building setbacks on the property in question.

Plan. Where due cause is shown by the petitioner, this time interval may be

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(RGA Insurance Co.)

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St. Louis County, Missouri, and being more particularly described as:

to the point of beginning and containing 5.5 acres.

minutes 01 second West 457.37 feet to a point; thence South 50 degrees

b. in any office building or hotel no retail commercial activity shall be permitted above the first floor;

c. no single-user being a retail commercial activity shall exceed 10,000 gross square feet.

3. No parking area, loading areas or structures including internal drive except ingress and egress drives shall be allowed within the following landscaped

a. Parcel III:

i. Fifteen (15) feet of all roadway rights-of-way.

i. Fifteen (15) feet of U.S. Highway 40 and Chesterfield Parkway North

ii. Twenty (20) feet of Swingley Ridge Road.

i. Fifteen (15) feet of Swingley Ridge Road right-of-way;

ii. Thirty (30) feet of the northeast and southeast property lines;

iii. Two hundred (200) feet of the eastern point of the parcel contiguous to residential zoned land.

a. Parcel III:

i. Twenty (20) feet of all roadway rights-of-way.

4. No building shall be located within the following setbacks:

Twenty (20) feet of U.S. Highway 40 and Chesterfield Parkway North rights-of-way;

ii. Thirty (30) feet of Swingley Ridge Road;

c. Parcel V:

Twenty (20) feet of Swingley Ridge Road;

ii. Thirty (30) feet of the northeast and southeast property line:

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RAWING TITLE SITE ORDINANCE SHEET

OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI, AS FOLLOWS:

WHEREAS, Reinsurance Group of America (RGA) has requested ordinance Parcels III and IV; and,

Section 2. The preliminary approval, pursuant to the City of Chesterfield

legislative power pertaining to planning and zoning.

Ordinance of the City of Chesterfield.

P.Z. 07-2012 Chesterfield Village NW Quadrant Planning Commission June 25, 2012 Planning Commission August 13, 2012 (RGA Insurance Co.) P&PW Committee August 30, 2012 Development Concept Plan and curb cuts on each Final Development

Section Plan shall be reviewed and approved by the Department of Highways and Traffic and, as applicable, the Missouri State Highway Commission prior to recording of any plan. 8. The height, design, location, and lighting intensity of all light standards shall be reviewed and approved by the Planning Commission on each Final Development Section Plan. Special consideration shall be given to such standards which may have exposure to residential property. Supplemental

information to adequately assess the above (such as cross section, details of light standard construction, etc.) may be required by the Planning Commission prior to approval.

9. Except as specifically approved by the Planning Commission, utilities shall be underground.

10. The following shall regulate all signs for the "C-8" development: a. Advertising signs limited to project identification only shall be permitted only at locations approved by the Planning Commission on the Final Development Concept Plan. Details such as size, design, lighting etc.

shall be submitted to the Commission prior to approval. b. Parcels III and IV shall be limited to a maximum of five (5) free standing business signs not to exceed fifty (50) square feet in outline area and thirty (30) feet in height. The location and size of said signs shall be as approved by the Planning Commission on final development plans. c. Parcels VII and VIII shall be limited to a maximum of three (3) free standing business signs not to exceed fifty (50) square feet in outline

area and thirty (30) feet in height. The location and size of said signs shall be as approved by the Planning Commission on final development d. All other signs (i.e. attached wall signs and directional signs) shall

11. Off-street parking requirements and loading requirement shall be regulated by that zoning district in which the use is permitted. Where more than one (1) of the parking requirements may be construed as applicable to the same use, lot or building, the final determination shall be made by the Planning Commission.

conform to the sign regulations of the "C-3" Shopping District.

12. Prior to approval of all above Final Development Plans the petitioner shall:

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Consulting Engineers, Inc

MICHAEL. STOCK

NUMBER

PE-25116

GEORGE M. STOCK E-25116 CIVIL ENGINEER CERTIFICATE OF AUTHORITY NUMBER: 000996

257 Chesterfield Business Parkway St. Louis, MO 63005 PH. (636) 530-9100 FAX (636) 530-9130 e-mail: general@stockassoc.com Lamar Johnson Collaborative 1 2199 INNERBELT BUSINESS CENTER DRIVE ST. LOUIS, MISSOURI 63114

Civil Engineer

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DRAWING ISSUE DESCRIPTION DSCP & ASDSP Y COMMENTS

DRAWING NO.

Job # LJC# 005815 | Consult.# | 216-5803.

westbound I-64 on ramp in conformance with the City's plan for the extension of outer road system is required for office development in excess of 405,000 square feet on building group B.

- c. The developer shall submit a traffic study, addressing the traffic generated by the proposed development, to the Department of Highways and Traffic for review and approval. Prior to preparation of this study. the developer's traffic engineer shall meet with representatives of the department to determine the study scope. The developer's additional road improvement obligation shall be as determined by the approved
- d. Prior to Site Development Plan approval, provide a geotechnical report, prepared by a registered professional engineer licensed to practice in the State of Missouri, as directed by the Department of Public Services. The report shall verify the suitability of grading and proposed improvements with soil and geologic conditions and address the existence of any potential sinkhole, ponds, dams, septic fields, etc., and recommendations for treatment. A statement of compliance, signed and sealed by the geotechnical engineer preparing the report, shall be included on all Site Development Plans and improvement plans.
- e. Provide a sidewalk conforming to Saint Louis County ADA standards adjacent to Chesterfield Parkway as directed by the Saint Louis County Department of Highways and Traffic and the City of Chesterfield.
- f. Access to this development from Chesterfield Parkway shall be as directed by the City of Chesterfield and the St. Louis County Department of Highways and Traffic.
- g. If required sight distance cannot be provided at the access locations, acquisition of right-of-way, reconstruction of pavement including correction to the vertical alignment and other off-site improvements may be required to provide adequate sight distance as directed by the City of Chesterfield and Saint Louis County Department of Highways and
- h. Installation of Landscaping and Ornamental Entrance Monument or Identification Signage construction shall be reviewed by the City of Chesterfield and Saint Louis County Department of Highways and Traffic for sight distance consideration and approved prior to installation or construction.
- i. The developer is advised that utility companies will require compensation for relocation of their facilities with public road right-ofway. Utility relocation cost shall not be considered as an allowable credit against the petitioner's traffic generation assessment contributions. The developer should also be aware of extensive delays

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BILL NO. 3116 ORDINANCE NO. 2916

AN ORDINANCE AMENDING SECTION III. OF ATTACHMENT 'A' OF CITY OF CHESTERFIELD ORDINANCE 2723 BY REPEALING SECTION III. OF ATTACHMENT 'A' OF ORDINANCE 2723 AND ENACTING IN LIEU THEREOF A NEW SECTION TO BE KNOWN AS SECTION III. WITHIN A "C-8" PLANNED COMMERCIAL DISTRICT LOCATED WITHIN THE NORTHWEST QUADRANT OF THE I-64 AND MO 340 (OLIVE / CLARKSON) INTERCHANGE (P.Z. 06-2016 CHESTERFIELD RIDGE CENTER {875 CHESTERFIELD PARKWAY W}1.

WHEREAS, in response to P.C. 141-79 Chesterfield Village - Sachs Properties, Inc., St. Louis County approved Ordinance 9,476 on November 23, 1979, which authorized a "C-8" Planned Commercial District development which was subsequently amended by St. Louis County Ordinance 10,842 on November 24, 1982; and,

WHEREAS, St. Louis County approved ordinance 13,756 on February 16, 1988 which removed Parcel V, building group E from the conditions of the prior ordinances; and,

WHEREAS, in response to correspondence from Sachs Properties, requesting an amendment in the location of the permitted uses in Building Groups D and I, specifically hotels, the City of Chesterfield approved ordinance number 1266 on May 19, 1997; and,

WHEREAS, in response to P.C. 141-79, the City of Chesterfield approved ordinance 1358 on December 18, 1997 to allow for flexibility in the location of allowable square footage in building groups G and H, and to allow revision in the location of an office building in relationship to Chesterfield Parkway North for building group G; and,

WHEREAS, in response to a petition filed by Sachs Properties, the City of Chesterfield approved ordinance 2685 on January 4, 2012 to permit a Commercial Industrial Design Development procedure to allow shifting of uses between building groups A and B; and,

WHEREAS, in response to a petition filed by Chesterfield Village, Inc., the City of Chesterfield approved ordinance 2723 on September 19, 2012 repealing previous ordinances to consolidate development requirements and allow modifications to building height, density and amendment to the building groups on Parcels III and IV; and,

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> in utility company relocation and adjustments. Such delays will not constitute a cause to allow occupancy prior to completion of road

> The developer shall contribute a Traffic Generation Assessment (TGA) to the Chesterfield Village Road Trust Fund (No. 554). This contribution shall not exceed an amount established by multiplying the ordinancerequired parking spaces for the difference between the existing and proposed uses by the following rate schedule:

Type of Development Required Contribution TGA Category Contribution \$611.88/parking space General Office \$1,835.75/parking space General Retail \$3,003.97/parking space Loading Space

If types of development proposed differ from those listed, rates shall be provided by the Saint Louis County Department of Highways and Traffic. As a portion of the improvements required herein are needed to provide for the safety of the traveling public, their completion as a part of this development is mandatory.

Allowable credits for required roadway improvements will be awarded as directed by the Saint Louis County Department of Highways and Traffic and the City of Chesterfield. Sidewalk construction and utility relocation,

among other items, are not considered allowable credits.

TGA contribution for building group B shall be based only on the increase in development density from that density previously approved in St. Louis County Ordinance 9,476.

- k. As this development is located within a trust fund area established by Saint Louis County, any portion of the traffic generation assessment contributions which remains following completion of road improvements required by the development shall be retained in the appropriate trust
- I. The amount of the required contributions, if not submitted by January 1, 2013, shall be adjusted on that date and on the first day of January in each succeeding year thereafter in accord with the construction cost index as determined by the Saint Louis County Department of Highways and Traffic.
- m. Traffic generation assessment contributions shall be deposited with Saint Louis County prior to the issuance of building permits. If development phasing is anticipated, the developer shall provide the Page 10 of 13

(RGA Insurance Co.)

WHEREAS, Chesterfield Village, Inc. has filed a new petition to permit consolidation of building groups F, G, and H; to modify allocation of existing uses and modification of density as it pertains to building groups F, G, and H.

WHEREAS, a Public Hearing was held before the Planning Commission on August 8, 2016; and,

WHEREAS, the Planning Commission, having considered said request, recommended approval of said request; and,

WHEREAS, the City Council, having considered said request voted to approve the ordinance amendment request as recommended by the Planning

NOW THEREFORE BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI, AS FOLLOWS:

Section 1. Section III. of Attachment 'A' of City of Chesterfield Ordinance 2723 is repealed and in lieu thereof the following is adopted:

III. Specific Design Criteria: "C-8" Along Olive Street Road

- 1. The uses permitted in this "C-8" Planned Commercial District shall be limited to the following (based upon building group numbers supplied on the preliminary development plan):
- a. building group F: offices, in addition a maximum of ten (10) percent of each building gross floor area may be utilized for cafeterias or personal services to serve the employees of said building; not to exceed 240,000 square feet;
- b. building groups G and H: offices and restaurants (one restaurant permitted in building group G and one restaurant permitted in building group H) not to exceed a combined total of 345,000 square
- i. Maximum size of any one building 300,000 square feet.
- ii. Maximum footprint of any one building 50,000 square feet.
- c. building group I: offices, restaurant, one (1) service station, and two (2) hotels not to exceed 150,000 square feet. At the time of the Site Development Plan approval, special consideration will be given to landscaping, architectural elevations and lighting at the northeast property line.

Planning Commission June 25, 2012 P.Z. 07-2012 Chesterfield Village NW Quadrant Planning Commission August 13, 2012 (RGA Insurance Co.) P&PW Committee August 30, 2012

- traffic generation assessment contribution prior to issuance of building permits for each phase of development. Funds shall be payable to Treasurer, St. Louis County.
- n. Road improvements and right-of-way dedication shall be completed prior to the issuance of an occupancy permit. If development phasing is anticipated, the developer shall complete road improvements, right-ofway dedication, and access requirements for each phase of development as directed by the Saint Louis County Department of Highways and Traffic. As previously noted, the delays due to utility relocation and adjustments will not constitute a cause to allow occupancy prior to completion of road improvements.
- o. Prior to Special Use Permit issuance by the Saint Louis County Department of Highways and Traffic, a special cash escrow or a special escrow supported by an Irrevocable Letter of Credit, must be established with the Saint Louis County Department of Highways and Traffic to guarantee completion of the required roadway improvements.
- p. Provide adequate temporary off-street parking for construction employees. Parking on non-surfaced areas shall be prohibited in order to eliminate the condition whereby mud from construction and employee vehicles is tracked onto the pavement causing hazardous roadway and driving conditions.

III. Specific Design Criteria: "C-8" Along Olive Street Road

- 1. The uses permitted in this "C-8" Planned Commercial District shall be limited to the following (based upon building group numbers supplied on the preliminary development plan):
- a. building group F: offices, in addition a maximum of ten (10) percent of each building gross floor area may be utilized for cafeterias or personal services to serve the employees of said building; not to exceed 240,000 square feet:
- building groups G and H: offices and restaurants (one restaurant permitted in building group G and one restaurant permitted in building group H) not to exceed a combined total of 345,000 square feet; i. Maximum size of any one building 300,000 square feet.
- ii. Maximum footprint of any one building 50,000 square feet.
- c. building group I: offices, restaurant, one (1) service station, and two (2) hotels not to exceed 150,000 square feet. At the time of the Site Development Plan approval, special consideration will be given to

Page 11 of 13

- d. The total build out for building groups F, G, H and I would be 500,000 square feet.
- e. In the event that building groups F, G, and H are developed as a single research / laboratory campus, including office, a maximum of 460,000 square feet shall be permitted on these building groups. i. Maximum size of any one building 460,000 square feet.
- ii. Maximum footprint of any one building 135,000 square feet. iii. Total build out for building groups F, G, H, and I would be
- 610,000 square feet. f. The developer shall be responsible for providing all necessary right-of-way, easements, Temporary Slope Construction License. etc., as required for St. Louis County Project Number AR-1545. All
- onsite improvements shall be compatible with this project. For building groups F, G, and H, the word "offices" shall also include the following: medical laboratories and scientific laboratories.

Section 2. The preliminary approval, pursuant to the City of Chesterfield Unified Development Code is granted, subject to all of the ordinances, rules and regulations and the specific conditions as recommended by the Planning Commission in its recommendation to the City Council, which are set out in the preliminary plan indicated as "Attachment C" which is attached hereto as and made part of.

Section 3. The City Council, pursuant to the petition filed by Chesterfield Village Inc., in P.Z. 06-2016, requesting the amendment embodied in this ordinance, and pursuant to the recommendation of the City of Chesterfield Planning Commission that said petition be granted and after a public hearing, held by the Planning Commission on the 8th day of August 2016, does hereby adopt this ordinance pursuant to the power granted to the City of Chesterfield under Chapter 89 of the Revised Statutes of the State of Missouri authorizing the City Council to exercise legislative power pertaining to planning and zoning.

Section 4. This ordinance and the requirements thereof are exempt from the warning and summons for violations as set out in Section 8 of the City of Chesterfield Unified Development Code.

P.Z. 07-2012 Chesterfield Village NW Quadrant Planning Commission June 25, 2012 Planning Commission August 13, 2012 (RGA Insurance Co.) P&PW Committee August 30, 2012

landscaping, architectural elevations and lighting at the northeast The above noted gross square foot figures indicate maximum allowable within each building group. However, not more than 500,000 square feet

2. No parking areas, loading areas or structures, including internal drives except ingress and egress drive shall be located within the following landscaped

shall be allowed collectively for building groups F, G, H, and I.

- a. Parcel VII: i. Fifteen (15) feet of the proposed right-of-way of Chesterfield Parkway North and the future right-of-way of Olive Street Road;
- ii. Two hundred (200) feet of the western property line within 1,200 feet of Olive Street Road right-of-way;
- iii. Thirty (30) feet of the remainder of the western property line. b. Parcel VIII:
- i. Fifteen (15) feet of all roadway right-of-way and the northwestern property line;
- ii. Thirty (30) feet of the northeastern property line.
- 3. No building shall be located within the following setbacks:
- a. Parcel VII: i. Twenty (20) feet of Chesterfield Parkway North right-of-way;
- ii. Seventy-five (75) feet of the future right-of-way of Olive Street Road; iii. Two hundred (200) feet of the western property line within 1,200 feet
- of Olive Street Road; iv. Thirty (30) feet of the remainder of the western property line.
- i. Twenty (20) feet of all roadway rights-of-way and the northwestern
- ii. Thirty (30) feet of the northeastern property line.
- 4. The following shall be the maximum allowable height for structures:

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Section 5. This ordinance shall be in full force and effect from and after its passage and approval.

ATTEST: Vickie Hass, CITY CLERK

FIRST READING HELD: 10/05/2016

Planning Commission June 25, 2012 P.Z. 07-2012 Chesterfield Village NW Quadrant Planning Commission August 13, 2012 (RGA Insurance Co.) P&PW Committee August 30, 2012

- a. building group F: four (4) floors;
- d. building group I: three (3) floors.
- situated within 500 feet of Chesterfield Parkway North right of way. b. the four (4) story building allowed in building group H shall be located within 300 feet of Chesterfield Parkway North and within 300 feet of
- c. the permitted service station in building group I shall be located within 200 feet of Chesterfield Parkway North and within 200 feet of Henry
- d. the permitted restaurant in building group I shall be located within 300

MICHAEL. STOCK NUMBER PE-25116

GEORGE M. STOCK E-25116 CIVIL ENGINEER CERTIFICATE OF AUTHORITY NUMBER: 000996

Civil Engineer

Consulting Engineers, Inc 257 Chesterfield Business Perkway St. Louis, MO 63005 PH. (636) 530-9100 FAX (636) 530-9130 e-mail: general@stockassoc.com

Lamar Johnson Collaborative 1 2199 INNERBELT BUSINESS CENTER DRIVE



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R DRAWING ISSUE DESCRIPTION OSCP & ASDSP Y COMMENTS

C4.0

SITE ORDINANCE SHEET

Job # LJC# 005815 | Consult.# | 216-5803.1

b. building group G: eight (8) floors; c. building group H: four (4) floors;

5. The uses listed below shall only be allowed with the following described

a. the singular allowable eight (8) story building in building group G shall be

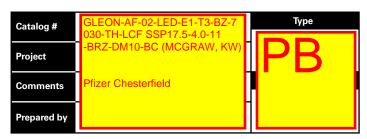
Olive Street Road rights-of-way; Hoch Road rights-of-way;

feet of Chesterfield Parkway North right-of-way.

Page 13 of 13

McGraw-Edison

The Galleon™ LED luminaire delivers exceptional performance in a highly scalable, low-profile design. Patented, high-efficiency AccuLED Optics™ system provides uniform and energy conscious illumination to walkways, parking lots, roadways, building areas and security lighting applications. IP66 rated and UL/cUL Listed for wet locations.



SPECIFICATION FEATURES

Construction

Extruded aluminum driver enclosure thermally isolated from Light Squares for optimal thermal performance. Heavy-wall, diecast aluminum end caps enclose housing and die-cast aluminum heat sinks. A unique, patent pending interlocking housing and heat sink provides scalability with superior structural rigidity. 3G vibration tested and rated. Optional tool-less hardware available for ease of entry into electrical chamber. Housing is IP66 rated.

Optics

Patented, high-efficiency injection-molded AccuLED Optics technology. Optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 275K) CCT 70 CRI. Optional 3000K, 5000K and 6000K CCT.

Electrical

LED drivers are mounted to removable tray assembly for ease of maintenance, 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wve systems only. Standard with 0-10V dimming. Shipped standard with Cooper Lighting Solutions proprietary circuit module designed to withstand 10kV of transient line surge. The Galleon LED luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option. Light Squares are IP66 rated. Greater than 90% lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 600mA, 800mA and 1200mA drive currents (nominal).

Mounting

STANDARD ARM MOUNT: Extruded aluminum arm includes internal bolt guides allowing for easy positioning of fixture during mounting. When mounting two or more luminaires at 90° and

120° apart, the EA extended arm

-21-3/4" [553mm] -

may be required. Refer to the arm mounting requirement table. Round pole adapter included. For wall mounting, specify wall mount bracket option. QUICK MOUNT ARM: Adapter is bolted directly to the pole. Quick mount arm slide into place on the adapter and is secured via two screws, facilitating quick and easy installation. The versatile, patent pending, quick mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8". Removal of the door on the quick mount arm enables wiring of the fixture without having to access the driver compartment. A knock-out enables round pole mounting.

Finish

Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Heat sink is powder coated black. Standard housing colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available.

Warranty

Five-year warranty.



GLEON GALLEON LED

1-10 Light Squares Solid State LED

AREA/SITE LUMINAIRE























DIMENSION DATA

DIMENSIONS

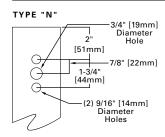
Number of Light Squares	"A" Width	"B" "B" Standard Optional Arm Length Arm Length		Weight with Arm (lbs.)	EPA with Arm ² (Sq. Ft.)
1-4	15-1/2" (394mm)	7" (178mm)	10" (254mm)	33 (15.0 kgs.)	0.96
5-6	21-5/8" (549mm)	7" (178mm)	10" (254mm)	44 (20.0 kgs.)	1.00
7-8	27-5/8" (702mm)	7" (178mm)	13" (330mm)	54 (24.5 kgs.)	1.07
9-10	33-3/4" (857mm)	7" (178mm)	16" (406mm)	63 (28.6 kgs.)	1.12

3-15/16" [100mm]

NOTES: 1. Optional arm length to be used when mounting two fixtures at 90° on a single pole. 2. EPA calculated with optional arm length.

COOPER Lighting Solutions

DRILLING PATTERN



CERTIFICATION DATA

3G Vibration Rated
DesignLights Consortium® Qualified*
Dark Sky Approved (3000K CCT and
warmer only)
IP66 Rated
ISO 9001
LM79 / LM80 Compliant
UL/cUL Wet Location Listed

ENERGY DATA Electronic LED Driver

>0.9 Power Factor <20% Total Harmonic Distortion 120V-277V 50/60Hz 347V, 480V 60Hz

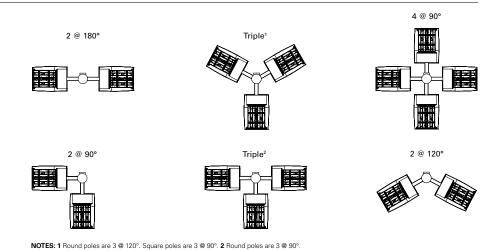
-40°C Min. Temperature 40°C Max. Temperature

50°C Max.Temperature (HA Option)

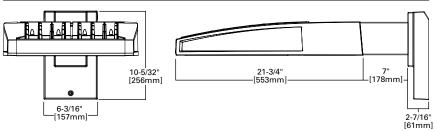
page 2 GLEON GALLEON LED

ARM MOUNTING REQUIREMENTS

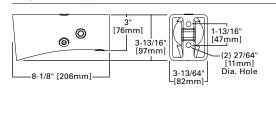
Configuration	90° Apart	120° Apart
GLEON-AF-01	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-02	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-03	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-04	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-05	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AF-06	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AF-07	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AF-08	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AF-09	16" Extended Arm (Required)	16" Extended Arm (Required)
GLEON-AF-10	16" Extended Arm (Required)	16" Extended Arm (Required)



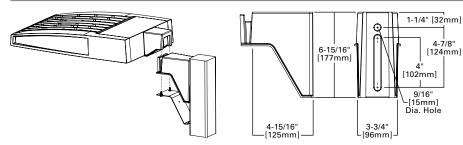
STANDARD WALL MOUNT



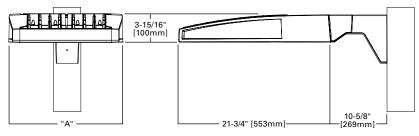
MAST ARM MOUNT



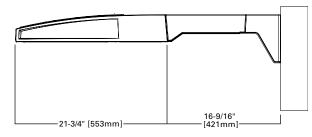
QUICK MOUNT ARM (INCLUDES FIXTURE ADAPTER)



QM Quick Mount Arm (Standard)



QMEA Quick Mount Arm (Extended)



QUICK MOUNT ARM DATA

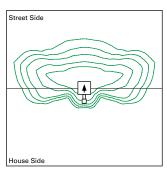
Number of Light Squares 1,2	"A" Width	Weight with QM Arm (lbs.)	Weight with QMEA Arm (lbs.)	EPA (Sq. Ft.)
1-4	15-1/2" (394mm)	35 (15.91 kgs.)	38 (17.27 kgs.)	
5-6 ³	21-5/8" (549mm)	46 (20.91 kgs.)	49 (22.27 kgs.)	1.11
7-8	27-5/8" (702mm)	56 (25.45 kgs.)	N/A	

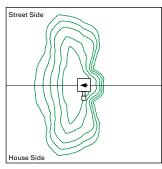
NOTES: 1 QM option available with 1-8 light square configurations. 2 QMEA option available with 1-6 light square configurations. 3 QMEA arm to be used when mounting two fixtures at 90° on a single pole.

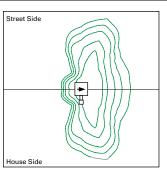


GLEON GALLEON LED page 3

OPTIC ORIENTATION





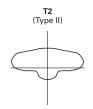


Standard

Optics Rotated Left @ 90° [L90]

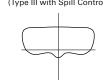
Optics Rotated Right @ 90° [R90]

OPTICAL DISTRIBUTIONS

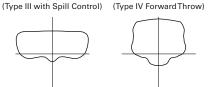




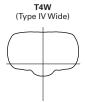




Asymmetric Area Distributions

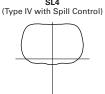


T4FT



Symmetric Distributions

5MQ



RW (Rectangular Wide Type I)





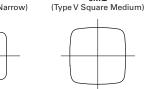
Asymmetric Roadway Distributions

T2R



T3R

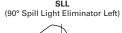


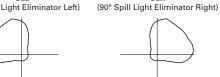




Specialized Distributions AFL

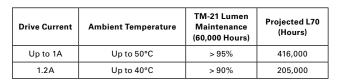


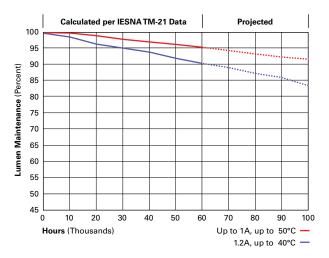






LUMEN MAINTENANCE





LUMEN MULTIPLIER

Lumen Multiplier
1.02
1.01
1.00
0.99
0.97



page 4 GLEON GALLEON LED

NOMINAL POWER LUMENS (1.2A)

Number	f Light Squares	1	2	3	4	5	6	7	8	9	10
	Power (Watts)	67	129	191	258	320	382	448	511	575	640
	rent @ 120V (A)	0.58	1.16	1.78	2.31	2.94	3.56	4.09	4.71	5.34	5.87
	rent @ 208V (A)	0.33	0.63	0.93	1.27	1.57	1.87	2.22	2.52	2.8	3.14
	rent @ 240V (A)	0.29	0.55	0.80	1.10	1.35	1.61	1.93	2.18	2.41	2.71
	rent @ 277V (A)	0.25	0.48	0.70	0.96	1.18	1.39	1.69	1.90	2.09	2.36
	rent @ 347V (A)	0.20	0.39	0.57	0.78	0.96	1.15	1.36	1.54	1.72	1.92
<u> </u>	rent @ 480V (A)	0.15	0.30	0.43	0.60	0.73	0.85	1.03	1.16	1.28	1.45
Optics	T										
	4000K/5000K Lumens	6,863	13,412	20,011	26,441	32,761	39,205	46,364	52,534	58,601	64,880
T2	3000K Lumens	6,489	12,681	18,919	25,000	30,974	37,066	43,836	49,668	55,405	61,341
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	7,285	14,238	21,246	28,072	34,780	41,621	49,221	55,770	62,212	68,878
T2R	3000K Lumens	6,888	13,462	20,087	26,541	32,884	39,351	46,537	52,729	58,819	65,122
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,995	13,670	20,397	26,951	33,391	39,959	47,256	53,544	59,728	66,130
Т3	3000K Lumens	6,613	12,924	19,284	25,480	31,570	37,780	44,679	50,624	56,471	62,524
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	7,150	13,973	20,850	27,549	34,134	40,846	48,307	54,734	61,056	67,598
T3R	3000K Lumens	6,761	13,212	19,713	26,046	32,272	38,619	45,673	51,750	57,726	63,911
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	7,036	13,748	20,515	27,107	33,586	40,191	47,530	53,854	60,074	66,512
T4FT	3000K Lumens	6,652	12,999	19,397	25,629	31,754	37,999	44,938	50,917	56,797	62,885
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,945	13,571	20,249	26,756	33,152	39,671	46,917	53,160	59,298	65,653
T4W	3000K Lumens	6,566	12,831	19,146	25,297	31,344	37,508	44,358	50,260	56,064	62,072
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,851	13,388	19,977	26,396	32,704	39,137	46,283	52,444	58,498	64,768
SL2	3000K Lumens	6,477	12,658	18,888	24,957	30,920	37,003	43,759	49,584	55,308	61,235
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,994	13,668	20,394	26,947	33,388	39,953	47,249	53,537	59,720	66,119
SL3	3000K Lumens	6,612	12,922	19,281	25,477	31,567	37,774	44,673	50,618	56,463	62,514
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,645	12,986	19,378	25,603	31,723	37,962	44,893	50,868	56,743	62,824
SL4	3000K Lumens	6,282	12,279	18,321	24,207	29,993	35,892	42,445	48,094	53,648	59,398
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	4000K/5000K Lumens	7,214	14,097	21,036	27,795	34,437	41,210	48,734	55,220	61,597	68,199
5NQ	3000K Lumens	6,820	13,329	19,888	26,279	32,558	38,962	46,077	52,208	58,237	64,479
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	4000K/5000K Lumens	7,347	14,356	21,423	28,306	35,071	41,969	49,632	56,237	62,730	69,454
5MQ	3000K Lumens	6,947	13,573	20,254	26,762	33,158	39,680	46,925	53,170	59,309	65,667
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
	4000K/5000K Lumens	7,366	14,396	21,480	28,381	35,164	42,080	49,765	56,386	62,898	69,639
5WQ	3000K Lumens	6,964	13,610	20,308	26,833	33,247	39,786	47,050	53,311	59,468	65,842
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	4000K/5000K Lumens										
SLL/SLR	3000K Lumens	6,147 5,811	12,010	17,921 16,944	23,679	29,339 27,739	35,109 33,194	41,521 39,256	47,046 44,479	52,478 49,617	58,102 54,933
SLL/SLK		5,811 B1-U0-G2	11,355 B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	33,194 B3-U0-G5				
	BUG Rating							B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
DW.	4000K/5000K Lumens	7,149	13,970	20,846	27,543	34,126	40,837	48,295	54,722	61,042	67,582
RW	3000K Lumens	6,760	13,208	19,709	26,041	32,264	38,610	45,661	51,738	57,713	63,897
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
	4000K/5000K Lumens	7,175	14,021	20,921	27,643	34,249	40,986	48,470	54,920	61,262	67,828
AFL	3000K Lumens	6,784	13,256	19,780	26,136	32,381	38,750	45,827	51,925	57,922	64,129
1	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4

^{*} Nominal data for 70 CRI.



NOMINAL POWER LUMENS (1A)

Numbere	f Light Squares	1	2	3	4	5	6	7	8	9	10
		1	113	166	225	279	333	391	445	501	558
	Power (Watts)	59									
-	ent @ 120V (A)	0.51	1.02	1.53	2.03	2.55	3.06	3.56	4.08	4.60	5.07
-	ent @ 208V (A)	0.29	0.56	0.82	1.11	1.37	1.64	1.93	2.19	2.46	2.75
-	rent @ 240V (A)	0.26	0.48	0.71	0.96	1.19	0.41	1.67	1.89	2.12	2.39
-	ent @ 277V (A)	0.23	0.42	0.61	0.83	1.03	1.23	1.45	1.65	1.84	2.09
-	ent @ 347V (A)	0.17	0.32	0.50	0.64	0.82	1.00	1.14	1.32	1.50	1.68
•	rent @ 480V (A)	0.14	0.24	0.37	0.48	0.61	0.75	0.91	0.99	1.12	1.28
Optics	40001//50001/	0.050	40.005	40.040	04404		05.700	10.005	47.000	50.400	
	4000K/5000K Lumens	6,256	12,225	18,242	24,104	29,865	35,739	42,265	47,888	53,420	59,144
T2	3000K Lumens	5,915	11,559	17,248	22,789	28,236	33,790	39,960	45,277	50,506	55,919
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,642	12,979	19,366	25,589	31,705	37,941	44,870	50,840	56,711	62,789
T2R	3000K Lumens	6,280	12,271	18,311	24,193	29,976	35,872	42,423	48,068	53,619	59,365
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,377	12,461	18,593	24,568	30,439	36,426	43,077	48,810	54,447	60,282
Т3	3000K Lumens	6,029	11,781	17,580	23,229	28,781	34,441	40,731	46,150	51,480	56,997
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,518	12,739	19,006	25,113	31,116	37,235	44,036	49,895	55,658	61,622
T3R	3000K Lumens	6,029	11,781	17,579	23,229	28,779	34,440	40,729	46,148	51,478	56,995
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,414	12,533	18,702	24,710	30,616	36,637	43,328	49,093	54,763	60,631
T4FT	3000K Lumens	6,064	11,849	17,681	23,363	28,946	34,638	40,966	46,417	51,776	57,325
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,331	12,372	18,459	24,391	30,221	36,163	42,769	48,459	54,056	59,849
T4W	3000K Lumens	5,986	11,697	17,452	23,061	28,572	34,192	40,436	45,817	51,108	56,585
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,245	12,205	18,212	24,062	29,813	35,677	42,192	47,807	53,326	59,042
SL2	3000K Lumens	5,904	11,539	17,218	22,750	28,187	33,732	39,891	45,199	50,418	55,822
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,376	12,460	18,591	24,564	30,436	36,421	43,072	48,803	54,439	60,273
SL3	3000K Lumens	6,028	11,780	17,578	23,224	28,776	34,435	40,723	46,141	51,471	56,986
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	6,058	11,838	17,664	23,340	28,918	34,605	40,924	46,370	51,727	57,269
SL4	3000K Lumens	5,727	11,193	16,701	22,067	27,341	32,718	38,692	43,841	48,906	54,146
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	4000K/5000K Lumens	6,577	12,851	19,176	25,336	31,392	37,566	44,426	50,337	56,151	62,170
5NQ	3000K Lumens	6,218	12,151	18,131	23,955	29,680	35,517	42,003	47,592	53,089	58,779
	BUG Rating	B2-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
	4000K/5000K Lumens	6,697	13,088	19,528	25,803	31,970	38,258	45,243	51,264	57,185	63,313
5MQ	3000K Lumens	6,332	12,374	18,463	24,395	30,227	36,171	42,776	48,468	54,066	59,861
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
	4000K/5000K Lumens	6,715	13,122	19,580	25,871	32,055	38,360	45,365	51,401	57,337	63,482
5WQ	3000K Lumens	6,348	12,406	18,513	24,461	30,307	36,268	42,891	48,599	54,210	60,021
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	4000K/5000K Lumens	5,604	10,949	16,337	21,586	26,745	32,004	37,850	42,886	47,838	52,965
SLL/SLR	3000K Lumens	5,298	10,351	15,446	20,409	25,287	30,258	35,786	40,547	45,229	50,077
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	4000K/5000K Lumens	6,517	12,735	19,002	25,107	31,109	37,227	44,025	49,883	55,644	61,607
RW	3000K Lumens	6,162	12,040	17,965	23,738	29,413	35,197	41,623	47,163	52,609	58,247
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	4000K/5000K Lumens	6,541	12,781	19,072	25,199	31,221	37,362	44,185	50,065	55,846	61,831
AFL	3000K Lumens	6,184	12,781	18,032	23,825	29,519	35,325	41,775	47,334	52,801	58,459
ALL	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	84-U0-G4	B4-U0-G4
* Nominal dat	_	D1-00-01	D2-00-G2	D2-00-G2	D3-00-G2	59-00-63	59-00-63	pa-00-da	p9-00-G3	54-00-64	D4-00-04

^{*} Nominal data for 70 CRI.



NOMINAL POWER LUMENS (800MA)

			1								
Number o	f Light Squares	1	2	3	4	5	6	7	8	9	10
Nominal F	Power (Watts)	44	85	124	171	210	249	295	334	374	419
Input Curi	rent @ 120V (A)	0.39	0.77	1.13	1.54	1.90	2.26	2.67	3.03	3.39	3.80
Input Curi	rent @ 208V (A)	0.22	0.44	0.62	0.88	1.06	1.24	1.50	1.68	1.87	2.12
Input Curi	rent @ 240V (A)	0.19	0.38	0.54	0.76	0.92	1.08	1.30	1.46	1.62	1.84
Input Curi	rent @ 277V (A)	0.17	0.36	0.47	0.72	0.83	0.95	1.19	1.31	1.42	1.67
Input Curi	rent @ 347V (A)	0.15	0.24	0.38	0.49	0.63	0.77	0.87	1.01	1.15	1.52
Input Curi	rent @ 480V (A)	0.11	0.18	0.29	0.37	0.48	0.59	0.66	0.77	0.88	0.96
Optics											
	4000K/5000K Lumens	5,054	9,878	14,739	19,475	24,129	28,875	34,148	38,691	43,159	47,785
T2	3000K Lumens	4,779	9,338	13,935	18,412	22,813	27,301	32,286	36,581	40,805	45,179
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	5,366	10,486	15,647	20,675	25,616	30,654	36,252	41,076	45,819	50,730
T2R	3000K Lumens	5,074	9,914	14,794	19,548	24,218	28,982	34,276	38,835	43,320	47,964
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
	4000K/5000K Lumens	5,153	10,068	15,022	19,849	24,593	29,430	34,805	39,436	43,990	48,705
Т3	3000K Lumens	4,872	9,519	14,203	18,766	23,251	27,825	32,907	37,285	41,591	46,048
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	5,266	10,292	15,356	20,290	25,140	30,084	35,578	40,312	44,968	49,786
T3R	3000K Lumens	4,979	9,731	14,518	19,184	23,769	28,443	33,638	38,114	42,516	47,071
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	4000K/5000K Lumens	5,182	10,126	15,109	19,964	24,736	29,600	35,006	39,664	44,245	48,987
T4FT	3000K Lumens	4,899									
1461		81-U0-G2	9,574	14,285	18,876 B2-U0-G4	23,387	27,986	33,097	37,501	41,832	46,315
	BUG Rating		B1-U0-G2	B2-U0-G3		B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	4000K/5000K Lumens	5,115	9,995	14,914	19,706	24,417	29,218	34,554	39,152	43,674	48,354
T4W	3000K Lumens	4,836	9,450	14,100	18,631	23,085	27,624	32,670	37,017	41,292	45,717
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	4000K/5000K Lumens	5,046	9,860	14,713	19,441	24,087	28,825	34,089	38,625	43,085	47,702
SL2	3000K Lumens	4,771	9,322	13,911	18,381	22,774	27,253	32,229	36,518	40,735	45,101
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5
	4000K/5000K Lumens	5,152	10,067	15,020	19,846	24,591	29,426	34,800	39,431	43,984	48,698
SL3	3000K Lumens	4,871	9,518	14,200	18,764	23,249	27,822	32,902	37,280	41,585	46,042
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	4000K/5000K Lumens	4,894	9,565	14,271	18,857	23,364	27,959	33,065	37,465	41,792	46,270
SL4	3000K Lumens	4,627	9,043	13,492	17,829	22,090	26,434	31,261	35,422	39,513	43,746
	BUG Rating	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	4000K/5000K Lumens	5,313	10,383	15,493	20,470	25,363	30,351	35,893	40,669	45,367	50,229
5NQ	3000K Lumens	5,024	9,817	14,647	19,354	23,980	28,696	33,936	38,452	42,893	47,490
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G3
	4000K/5000K Lumens	5,411	10,574	15,778	20,848	25,830	30,911	36,554	41,418	46,202	51,154
5МQ	3000K Lumens	5,117	9,997	14,917	19,710	24,421	29,225	34,561	39,160	43,682	48,364
SINIC		1									
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
	BUG Rating 4000K/5000K Lumens	B3-U0-G1 5,426	B3-U0-G2 10,603	B4-U0-G2 15,820	B4-U0-G2 20,903	B5-U0-G3 25,899	B5-U0-G3 30,992	B5-U0-G4 36,652	B5-U0-G4 41,529	B5-U0-G4 46,325	B5-U0-G4 51,290
5WQ											
5WQ	4000K/5000K Lumens	5,426	10,603	15,820	20,903	25,899	30,992	36,652	41,529	46,325	51,290
5WQ	4000K/5000K Lumens 3000K Lumens	5,426 5,130	10,603 10,025	15,820 14,958	20,903 19,763	25,899 24,486	30,992 29,302	36,652 34,654	41,529 39,263	46,325 43,799	51,290 48,493
5WQ SLL/SLR	4000K/5000K Lumens 3000K Lumens BUG Rating	5,426 5,130 B3-U0-G1	10,603 10,025 B4-U0-G2	15,820 14,958 B4-U0-G2	20,903 19,763 B5-U0-G3	25,899 24,486 B5-U0-G3	30,992 29,302 B5-U0-G4	36,652 34,654 B5-U0-G4	41,529 39,263 B5-U0-G4	46,325 43,799 B5-U0-G5	51,290 48,493 B5-U0-G5
	4000K/5000K Lumens 3000K Lumens BUG Rating 4000K/5000K Lumens	5,426 5,130 B3-U0-G1 4,528	10,603 10,025 B4-U0-G2 8,846	15,820 14,958 B4-U0-G2 13,199	20,903 19,763 B5-U0-G3 17,440	25,899 24,486 B5-U0-G3 21,609	30,992 29,302 B5-U0-G4 25,858	36,652 34,654 B5-U0-G4 30,580	41,529 39,263 B5-U0-G4 34,649	46,325 43,799 B5-U0-G5 38,651	51,290 48,493 B5-U0-G5 42,792
	4000K/5000K Lumens 3000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens	5,426 5,130 B3-U0-G1 4,528 4,281 B1-U0-G2	10,603 10,025 B4-U0-G2 8,846 8,364	15,820 14,958 B4-U0-G2 13,199 12,480	20,903 19,763 B5-U0-G3 17,440 16,489	25,899 24,486 B5-U0-G3 21,609 20,430	30,992 29,302 B5-U0-G4 25,858 24,448	36,652 34,654 B5-U0-G4 30,580 28,912	41,529 39,263 B5-U0-G4 34,649 32,759	46,325 43,799 B5-U0-G5 38,651 36,543 B3-U0-G5	51,290 48,493 B5-U0-G5 42,792 40,459
	4000K/5000K Lumens 3000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens BUG Rating	5,426 5,130 B3-U0-G1 4,528 4,281	10,603 10,025 B4-U0-G2 8,846 8,364 B1-U0-G2	15,820 14,958 B4-U0-G2 13,199 12,480 B2-U0-G3	20,903 19,763 B5-U0-G3 17,440 16,489 B2-U0-G3	25,899 24,486 B5-U0-G3 21,609 20,430 B2-U0-G4	30,992 29,302 B5-U0-G4 25,858 24,448 B3-U0-G4	36,652 34,654 B5-U0-G4 30,580 28,912 B3-U0-G5	41,529 39,263 B5-U0-G4 34,649 32,759 B3-U0-G5	46,325 43,799 B5-U0-G5 38,651 36,543	51,290 48,493 B5-U0-G5 42,792 40,459 B3-U0-G5
SLL/SLR	4000K/5000K Lumens 3000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens	5,426 5,130 B3-U0-G1 4,528 4,281 B1-U0-G2 5,265 4,978	10,603 10,025 B4-U0-G2 8,846 8,364 B1-U0-G2 10,289 9,727	15,820 14,958 B4-U0-G2 13,199 12,480 B2-U0-G3 15,353 14,516	20,903 19,763 B5-U0-G3 17,440 16,489 B2-U0-G3 20,285 19,179	25,899 24,486 B5-U0-G3 21,609 20,430 B2-U0-G4 25,134 23,763	30,992 29,302 B5-U0-G4 25,858 24,448 B3-U0-G4 30,077 28,437	36,652 34,654 B5-U0-G4 30,580 28,912 B3-U0-G5 35,569 33,629	41,529 39,263 B5-U0-G4 34,649 32,759 B3-U0-G5 40,303 38,105	46,325 43,799 B5-U0-G5 38,651 36,543 B3-U0-G5 44,958 42,506	51,290 48,493 B5-U0-G5 42,792 40,459 B3-U0-G5 49,775 47,060
SLL/SLR	4000K/5000K Lumens 3000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens BUG Rating	5,426 5,130 B3-U0-G1 4,528 4,281 B1-U0-G2 5,265 4,978 B2-U0-G1	10,603 10,025 B4-U0-G2 8,846 8,364 B1-U0-G2 10,289 9,727 B3-U0-G1	15,820 14,958 B4-U0-G2 13,199 12,480 B2-U0-G3 15,353 14,516 B3-U0-G2	20,903 19,763 B5-U0-G3 17,440 16,489 B2-U0-G3 20,285 19,179 B4-U0-G2	25,899 24,486 B5-U0-G3 21,609 20,430 B2-U0-G4 25,134 23,763 B4-U0-G2	30,992 29,302 B5-U0-G4 25,858 24,448 B3-U0-G4 30,077 28,437 B4-U0-G2	36,652 34,654 B5-U0-G4 30,580 28,912 B3-U0-G5 35,569 33,629 B5-U0-G3	41,529 39,263 B5-U0-G4 34,649 32,759 B3-U0-G5 40,303 38,105 B5-U0-G3	46,325 43,799 B5-U0-G5 38,651 36,543 B3-U0-G5 44,958 42,506 B5-U0-G3	51,290 48,493 B5-U0-G5 42,792 40,459 B3-U0-G5 49,775 47,060 B5-U0-G4
SLL/SLR	4000K/5000K Lumens 3000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens BUG Rating 4000K/5000K Lumens	5,426 5,130 B3-U0-G1 4,528 4,281 B1-U0-G2 5,265 4,978 B2-U0-G1 5,285	10,603 10,025 B4-U0-G2 8,846 8,364 B1-U0-G2 10,289 9,727 B3-U0-G1 10,327	15,820 14,958 B4-U0-G2 13,199 12,480 B2-U0-G3 15,353 14,516 B3-U0-G2 15,409	20,903 19,763 B5-U0-G3 17,440 16,489 B2-U0-G3 20,285 19,179 B4-U0-G2 20,360	25,899 24,486 B5-U0-G3 21,609 20,430 B2-U0-G4 25,134 23,763 B4-U0-G2 25,225	30,992 29,302 B5-U0-G4 25,858 24,448 B3-U0-G4 30,077 28,437 B4-U0-G2 30,186	36,652 34,654 B5-U0-G4 30,580 28,912 B3-U0-G5 35,569 33,629 B5-U0-G3	41,529 39,263 B5-U0-G4 34,649 32,759 B3-U0-G5 40,303 38,105 B5-U0-G3 40,450	46,325 43,799 B5-U0-G5 38,651 36,543 B3-U0-G5 44,958 42,506 B5-U0-G3 45,120	51,290 48,493 B5-U0-G5 42,792 40,459 B3-U0-G5 49,775 47,060 B5-U0-G4 49,956
SLL/SLR	4000K/5000K Lumens 3000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens BUG Rating 4000K/5000K Lumens 3000K Lumens BUG Rating	5,426 5,130 B3-U0-G1 4,528 4,281 B1-U0-G2 5,265 4,978 B2-U0-G1	10,603 10,025 B4-U0-G2 8,846 8,364 B1-U0-G2 10,289 9,727 B3-U0-G1	15,820 14,958 B4-U0-G2 13,199 12,480 B2-U0-G3 15,353 14,516 B3-U0-G2	20,903 19,763 B5-U0-G3 17,440 16,489 B2-U0-G3 20,285 19,179 B4-U0-G2	25,899 24,486 B5-U0-G3 21,609 20,430 B2-U0-G4 25,134 23,763 B4-U0-G2	30,992 29,302 B5-U0-G4 25,858 24,448 B3-U0-G4 30,077 28,437 B4-U0-G2	36,652 34,654 B5-U0-G4 30,580 28,912 B3-U0-G5 35,569 33,629 B5-U0-G3	41,529 39,263 B5-U0-G4 34,649 32,759 B3-U0-G5 40,303 38,105 B5-U0-G3	46,325 43,799 B5-U0-G5 38,651 36,543 B3-U0-G5 44,958 42,506 B5-U0-G3	51,290 48,493 B5-U0-G5 42,792 40,459 B3-U0-G5 49,775 47,060 B5-U0-G4

^{*} Nominal data for 70 CRI.



NOMINAL POWER LUMENS (600MA)

								i e	1		
Number o	f Light Squares	1	2	3	4	5	6	7	8	9	10
Nominal F	Power (Watts)	34	66	96	129	162	193	226	257	290	323
Input Curi	rent @ 120V (A)	0.30	0.58	0.86	1.16	1.44	1.73	2.03	2.33	2.59	2.89
Input Curi	rent @ 208V (A)	0.17	0.34	0.49	0.65	0.84	0.99	1.14	1.30	1.48	1.63
Input Curi	rent @ 240V (A)	0.15	0.30	0.43	0.56	0.74	0.87	1.00	1.13	1.30	1.43
Input Curi	rent @ 277V (A)	0.14	0.28	0.41	0.52	0.69	0.81	0.93	1.04	1.22	1.33
Input Curi	rent @ 347V (A)	0.11	0.19	0.30	0.39	0.49	0.60	0.69	0.77	0.90	0.99
Input Curi	rent @ 480V (A)	0.08	0.15	0.24	0.30	0.38	0.48	0.53	0.59	0.71	0.77
Optics		•	•							•	
	4000K/5000K Lumens	4,121	8,055	12,019	15,881	19,676	23,547	27,847	31,552	35,196	38,967
T2	3000K Lumens	3,896	7,615	11,363	15,015	18,604	22,263	26,328	29,831	33,276	36,842
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4
	4000K/5000K Lumens	4,376	8,552	12,760	16,860	20,890	24,998	29,563	33,497	37,365	41,369
T2R	3000K Lumens	4,138	8,085	12,064	15,941	19,751	23,635	27,951	31,670	35,328	39,113
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
	4000K/5000K Lumens	4,201	8,210	12,251	16,187	20,055	23,999	28,383	32,159	35,873	39,718
Т3	3000K Lumens	3,973	7,763	11,583	15,304	18,961	22,691	26,835	30,406	33,916	37,552
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
	4000K/5000K Lumens	4,294	8,393	12,523	16,546	20,501	24,532	29,014	32,875	36,671	40,600
T3R	3000K Lumens	4,060	7,936	11,840	15,644	19,383	23,195	27,432	31,082	34,671	38,386
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	4000K/5000K Lumens	4,226	8,257	12,321	16,280	20,172	24,139	28,547	32,346	36,082	39,948
T4FT	3000K Lumens	3,996	7,807	11,649	15,392	19,071	22,822	26,990	30,582	34,114	37,770
1411	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
	4000K/5000K Lumens	4,171	8,151	12,162	16,071	19,912	23,827	28,178	31,928	35,615	39,432
T4W											
1444	3000K Lumens	3,943	7,706	11,498	15,194	18,825	22,527	26,642	30,187	33,673	37,281
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
CI 2	4000K/5000K Lumens	4,114	8,041	11,998	15,854	19,643	23,506	27,799	31,498	35,135	38,901
SL2	3000K Lumens	3,890	7,603	11,344	14,989	18,572	22,224	26,282	29,780	33,219	36,779
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
	4000K/5000K Lumens	4,200	8,209	12,249	16,184	20,053	23,996	28,379	32,154	35,869	39,712
SL3	3000K Lumens	3,972	7,762	11,580	15,302	18,960	22,688	26,831	30,400	33,913	37,546
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	4000K/5000K Lumens	3,992	7,799	11,638	15,378	19,053	22,801	26,964	30,552	34,081	37,733
SL4	3000K Lumens	3,774	7,374	11,003	14,539	18,015	21,557	25,493	28,886	32,222	35,674
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5	B3-U0-G5
	4000K/5000K Lumens	4,333	8,467	12,634	16,694	20,683	24,751	29,271	33,166	36,996	40,961
5NQ	3000K Lumens	4,097	8,005	11,945	15,784	19,555	23,401	27,674	31,357	34,978	38,727
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3
	4000K/5000K Lumens	4,413	8,622	12,867	17,000	21,064	25,207	29,810	33,777	37,677	41,715
5МQ	3000K Lumens	4,173	8,152	12,165	16,073	19,915	23,832	28,185	31,934	35,623	39,440
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	4000K/5000K Lumens	4,424	8,646	12,900	17,046	21,120	25,274	29,890	33,866	37,778	41,826
5WQ	3000K Lumens	4,182	8,175	12,197	16,117	19,968	23,896	28,260	32,018	35,717	39,545
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
	4000K/5000K Lumens	3,692	7,214	10,763	14,222	17,621	21,086	24,937	28,256	31,519	34,897
SLL/SLR	3000K Lumens	3,491	6,820	10,176	13,447	16,660	19,937	23,577	26,715	29,800	32,994
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	4000K/5000K Lumens	4,293	8,390	12,520	16,542	20,496	24,527	29,007	32,866	36,662	40,591
RW	3000K Lumens	4,059	7,932	11,837	15,640	19,378	23,189	27,425	31,074	34,662	38,377
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
	4000K/5000K Lumens	4,310	8,421	12,566	16,602	20,571	24,616	29,112	32,986	36,795	40,738
AFL	3000K Lumens	4,074	7,962	11,881	15,697	19,448	23,273	27,525	31,187	34,788	38,516
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3

^{*} Nominal data for 70 CRI.



page 8 GLEON GALLEON LED

CONTROL OPTIONS

0-10V (DIM)

This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

Photocontrol (P. R and PER7)

Optional button-type photocontrol (P) and photocontrol receptacles (R and PER7) provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PER7 receptacle.

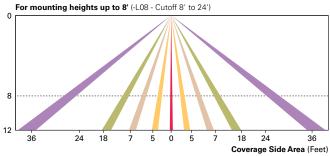
After Hours Dim (AHD)

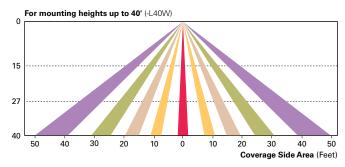
This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

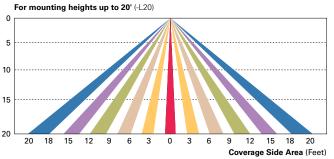
Dimming Occupancy Sensor (MS/DIM-LXX, MS/X-LXX and MS-LXX)

These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MS-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity. The MS/X-LXX is also preset for five minutes and only controls the specified number of light engines to maintain steady output from the remaining light engines.

These occupancy sensors includes an integral photocell that can be activated with the FSIR-100 accessory for "dusk-to-dawn" control or daylight harvesting - the factory preset is OFF. The FSIR-100 is a wireless tool utilized for changing the dimming level, time delay, sensitivity and other parameters. A variety of sensor lens are available to optimize the coverage. pattern for mounting heights from 8'-40'.

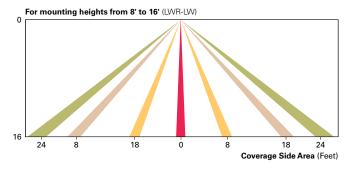


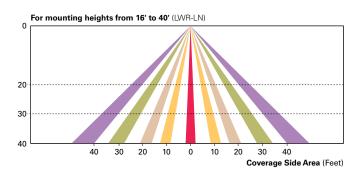




Enlighted Wireless Control and Monitoring System (LWR-LW and LWR-LN)

Enlighted is a connected lighting solution that combines a broad selection of energy-efficient LED luminaires with a powerful integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes and collects valuable data about building performance and use. Software applications turn the granular data into information through energy dashboards and specialized apps that make it simple and help optimize the use of building resources, beyond lighting.





WaveLinx Wireless Outdoor Lighting Control Module (WOLC-7P-10A)

The 7-pin wireless outdoor lighting control module enables WaveLinx to control outdoor area, site and flood lighting. WaveLinx controls outdoor lighting using schedules to provide ON, OFF and dimming controls based on astronomic or time schedules based on a 7 day week.

LumenSafe Integrated Network Security Camera (LD)

Cooper Lighting Solutions brings ease of camera deployment to a whole new level. No additional wiring is needed beyond providing line power to the luminaire. A variety of networking options allows security integrators to design the optimal solution for active surveillance. As the ideal solution to meet the needs for active surveillance, the LumenSafe integrated network camera is a streamlined, outdoor-ready fixed dome that provides HDTV 1080p video. This IP camera is optimally designed for deployment in the video management system or security software platform of choice.

Synapse (DIM10)

SimplySNAP integrated wireless controls system by Synapse. Includes factory installed DIM10 Synapse control module and MS/DC motion sensor; requires additional Synapse system components for operation. Contact Synapse at www.synapsewireless.com for product support, warranty and terms and conditions.



ORDERING INFORMATION

Sample Number: GLEON-AE-04-LED-E1-T3-GM-OM

Product Family ^{1, 2}	Light Engine	Number of Light Squares ³	Lamp Type	Voltage	Distribution		Color	Mounting
GLEON=Galleon	AF=1A Drive Current	01=1 02=2 03=3 04=4 05=5 4 06=6 07=7 5 08=8 8 09=9 6 10=10 6	LED=Solid State Light Emitting Diodes	E1=120-277V 347=347V ⁷ 480=480V ²⁸		Type II Roadway ype III Type II Roadway ype III Type II Roadway =Type IV ForwardThrow =Type IV Wide =Type V Narrow IType V Square Medium IType V Square Wide Type II w/Spill Control Type II w/Spill Control Type IV w/Spill Control Type IV tw/Spill Cintrol Type IV tw/Spill Cintrol Type IV tw/Spill Light Eliminator Left IType Spill Light Eliminator Left Rectangular Wide Type I		[Blank]=Arm for Round or Square Pole EA=Extended Arm ⁹ MA=Mast Arm Adapter ¹⁰ WM=Wall Mount QM=Quick Mount Arm (Standard Length) ¹¹ QMEA=Quick Mount Arm (Extended Length) ¹²
Options (Add a	s Suffix)			Accessori	es (Order Separately)			
800=Drive Current 1200=Drive Current F=Single Fuse (120 F=Double Fuse (2 2L=Two Circuits 111 DIM=External 0-10 DIM10=Synapse In AHD145=After Hot AHD245=After Hot AHD245=After Hot AHD255-After Hot AHD255-After Hot HA=50°C High Am 190=Optics Rotate MT=Installed Mesl TH=Tool-Hess Door HSS=Installed Hot CE=CE Marking 28 LCF=Light Square LCF=Light Square P=Button Type Pho Must Specify Volta	(13 (13 (13 (13 (13 (13 (13 (13 (13 (13	MS-L2i MS-L4i MS-Dil MS	M-L20= Motion Sensor for Di	FOperation, 9' - 20' M FF Operation, 21' - mming Operation, M mming Operation, M mming Operation, 21' - unu 8' Mounting Hei 9' - 20' Mounting Hei 9' - 20' Mounting Hei 9' - 20' Mounting Hei 1', 21' - 40' Mounting 1', Wide Lens for 8' - 11' 1, Narrow Lens for 16' 1d 4-PIN Receptacle 13'-1 15'-140' 22'-1 15'-15' 22'-34' 15'-40' 22'-34' 16'-40' 22'-34	ounting Height ²⁴ ' Mounting Height ²⁴ aximum 8' Mounting Height ²⁴ - 20' Mounting Height ²⁴ MS/ 40' Mounting Height ²⁴ MS/X- ght ^{24,25} ght ^{24,25} Height ^{24,25} 5' Mounting Height ²⁸ - 40' Mounting Height ²⁶ - 40' Mounting Height ²⁶	OA/RA1027: OA/RA1013: OA/RA1013: OA/RA1013: OA/RA1013: OA/RA1014: MA1252=10 MA1036-XX MA1197-XX: MA1197-XX: MA1197-XX: MA1191-XX: MA1191-XX: MA1191-XX: MA1192-XX MA1193-XX MA1193-XX MA1195-XX: FSIR-100=W GLEON-MT: GLEON-MT: GLEON-MT: GLEON-OM GLEON-OM LS/HSS=Fie WOLC-7P-10 SWPD4-XX:	e-NEMA Photocontrol Multi- e-NEMA Photocontrol - 480V e-NEMA Photocontrol - 347V e-Photocontrol Shorting Cap e-120V Photocontrol e-120V Photocontrol e-120V Photocontrol e-120V Bright Bronn Adapter for 2- e-2@180° Tenon Adapter for 2- e-2@190° Tenon Adapter for 2- e-2@90° Tenon Adapter for 2- e-2@90° Tenon Adapter for 2- e-2@120° Tenon Adapter for 2- e-3@90° Tenon Adapter for 3- e-2@120° Tenon Adapter for 3- e-2@120° Tenon Adapter for 3- e-2@120° Tenon Adapter for 3- e-2@90° Tenon Adapter for 3- e-3@90°	ent 3/8" O.D. Tenon 2-3/8" O.D. Tenon 3-3/8" O.D. Tenon 3-3/8" O.D. Tenon 3-8" O.D. Tenon 3-8" O.D. Tenon 3-8" O.D. Tenon 1-7" O.D. Tenon 1-8" O.D. Tenon 1-9"

NOTES:

1. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information. 2 DesignLights Consortium® Qualified. Refer to our white paper WP513001EN for additional support information. 2 DesignLights Consortium® Qualified. Refer to our white paper WP513001EN for additional support information. 2 DesignLights Consortium® Qualified. Refer to our white paper WP513001EN for additional support information. 2 DesignLights Consortium® Qualified. Refer to our white paper WP513001EN for additional support information. 2 DesignLights Consortium® Qualified. Refer to arm described quick mount arm (QMEA). 7 Requires the use of an internal step down transformer when combined with sensor options. Not available with sensor at 1200mA. Not available in combination with the HA high ambient and sensor options at 1.4. 8 Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, and a 1.4. 8 Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems or none luminaries are oriented on a 90° or 120° drilling pattern. Refer to arm mounting requirement all support information. 25 Refer to arm mounting requirement allows a per use supply. Use dedicated IES files for 600mA, 800mA and 120mA when performing layouts. 14 Available with HA option. 17 2 L is not available with MS, MS/X or MS/DIM at 347V or 480V. 2 L in AF-02 through AF-04 requires a larger housing, normally used for AF-05 or AF-06. Extended arm option may be required when mounting reoristic fixture. 21 Not available if any "MS" sensor is selected. Motion

LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

Product Family	Camera Type	Data Backhaul	
L=LumenSafe Technology* LumenSafe Technology CUCK HERS	D=Dome Camera, Standard H=Dome Camera, Hi-Res Z=Dome Camera, Remote PTZ	C=Cellular, Customer Installed SIM Card A=Cellular, Factory Installed AT&T SIM Card V=Cellular, Factory Installed Verizon SIM Card S=Cellular, Factory Installed Sprint SIM Card	W =Wi-Fi Networking w/ Omni-Directional Antenna E =Ethernet Networking

^{*}Consult LumenSafe system pages for additional details and compatibility.



Side view

WHITE AND STATIC COLOURS

Qty

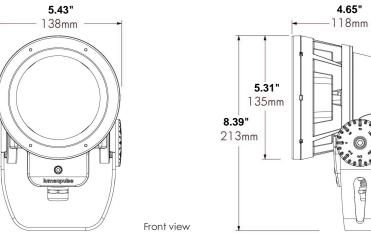
Project Name

Pfizer Chesterfield

Catalog / Part Number

BS-XXX-30K-NF-BK-DIM-SK-3FT





Photometric summary

Symmetric

ymmonie					
	Delivered output (lm)	Intensity (peak cd)			
XN (4°)	1031	75,454			
VN (6°)	824	43,590			
NS (10°)	1290	18,876			
NF (20°)	1125	11,338			
M (30°)	11 <i>7</i> 9	6532			
FL (40°)	105 <i>7</i>	2691			
WFL (60°)	888	693			

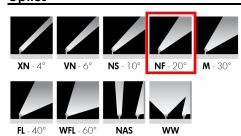
Asymmetric

	Delivered output (lm)	Intensity (peak cd)
NAS	861	12,737 (@2.5°)
ww	1005	2739 (@5°)

Based on 4000K configuration.

Photometric performance is measured in compliance with IESNA LM-79-08.

Optics



Description

The Lumenbeam Small is a compact, IP66-rated luminaire for lighting landscapes, trees, columns, monuments, and architectural details. It has numerous options, including optics for flood or accent lighting, a choice of colour temperatures and colours, as well as various accessories, spread lenses, and controls. The luminaire also has an anti-corrosion option for use in harsh, chemical, or coastal environments.

Features

2200K, 2700K, 3000K, 3500K, 4000K, 5700K, Red, Green, Blue				
XN (4°), VN (6°), NS (10°), NF (20°), M (30°), FL (40°), WFL (60°), NAS (Narrow Asymmetric), WW (Asymmetric Wallwash)				
Linear spread lens horizontal distribution, Linear spread lens vertical distribution				
Stake Mounting, Knuckle Mounting, Canopy mounting option (for mounting on a standard round junction box)				
3G ANSI C136.31-2010 Vibration Rating for bridge applications, Corrosion-resistant coating for hostile environments				
Black, White				
12.5W				
5-year limited warranty				
1280lm (4000k, NS 10°)				
76,352 cd at nadir (4000K, XN 4°)				
Minimum 1 fc at 84.1 m (4000K, XN 4°)				
3 SDCM				
Minimum CRI 80				



1220 Marie-Victorin Blvd., Longueuil, QC J4G 2H9 CA info@lumenpulse.com www.lumenpulse.com

Lumen Maintenance

T United States 617.307.5700 | Canada 1.877.937.3003 | 514.937.3003 www.lumenpulse.com/products/2286

optics only)

L70 > 250,000 hrs (Ta 25 °C) (> 80,000 hrs for XN 4°, VN 6°, NAS

F 514.937.6289

Colours and Colour Temperatures





Controls

0-10V ON/OFF DALI **₽**DMX**rdm**

Ratings

IP66 IK07

Certifications















Physical

Housing Material	Low copper content high pressure die-cast aluminium			
Yoke Material	Heavy aluminium			
Lens Material	Clear tempered glass			
Hardware Material	Stainless steel			
Gasket Material	Silicone			
Surface Finish	Electrostatically applied polyester powder coat			
Weight	2.36 kg			
EPA	Front = 0.02 sq m, Side = 0.01 sq m			

Electrical and control

Voltage	100 to 277 volts
Fixture Cable	Power and data in one cable
Conductors	3C #16-3 (NO control), 5C #16-5 (DIM, DALI control), 6C #14-3/ #24-3 (DMX/RDM control)
Control	On/Off control, 0-10V dimming, DALI dimming, DMX/RDM enabled, Lumentalk system is enabled with LDB accessory - see typical wiring diagrams for details
Resolution (DMX/RDM)	Per fixture, 8-bit or 16-bit
Environmental	
Storage Temperature	-40 °C to 70 °C (device must reach start-up temperature value before operating)
Start-up Temperature	-25 °C to 50 °C
Operating Temperature	-40 °C to 50 °C
Ingress Protection Rating	IP66, Wet location rated
Impact Resistance Rating	IK07

Accessories (order separately)

Optical Accessories	Snoot, Visor, Linear Spread Lens Adjustable, Wire Guard
Control Boxes	DMX/RDM enabled (daisy chain or star configuration), Ethernet enabled (daisy chain or star configuration), Lumentalk Data Bridge
Control Systems	Lumentone™ 2, Pharos® kit
Diagnostic and Addressing Tools	LumenID, LumentalkID

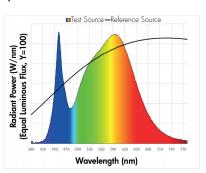
WHITE AND STATIC COLOURS

Chromaticity Data

TM-30 - 4000K

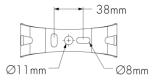
CCT		CIE	TM-	-30
40001/	R _a	83	85	Rf
4000K	R ₉	14	96	R _g
85 5 Rt 6	4	/ a	96 Rg	
			-8	
7 ///		2		
· //////		1		
			1	
В			1	
			1	
9			16	
	, 10x	15	16	

Spectral Power Distribution

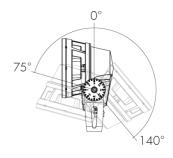


Mounting details

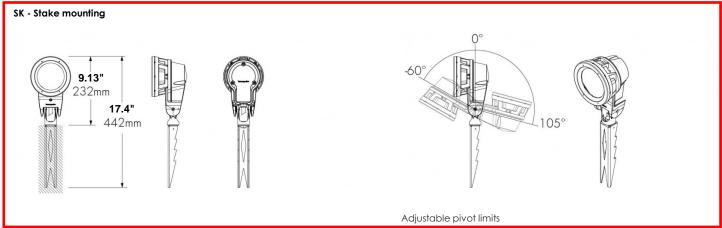
Mounting hole pattern - standard yoke



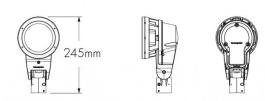
Adjustable pivot limits (adjustable in 6 degree increments)



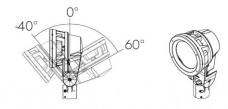
Mounting options



KN - Knuckle mounting



Suitable for 13 mm, 19 mm, and 25 mm pipe diameter



Adjustable pivot limits



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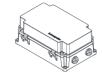
F 514.937.6289

WHITE AND STATIC COLOURS

Control boxes (order separately)

CBX-DMX/RDM - DMX/RDM enabled (daisy chain or star configuration)





DMX/RDM control box. Up to six power and data outputs to fixtures or fixture runs. Consult CBX specification sheet and installation instructions for details. Lumenterminators provided with CBX (2x for daisy chain configuration, 6x for star configuration), consult factory to order spares.

LDB - Lumentalk Data Bridge



Lumentalk Data Bridge, 0-10V or DMX output. Consult LDB specification sheet for details.

CBX-ENET - Ethernet enabled (daisy chain or star configuration)





Ethernet control box. Up to four power and data outputs to fixture or fixture runs. Consult Ethernet CBX specification sheet and installation instructions for details.

Control systems (order separately)

LTN2 - Lumentone™ 2



Lumentone 2 is a simple pre-programmed DMX 512 controller with a push button rotary dial and live feedback.

PHAROS - Pharos® kit







The Pharos kit, available for 1 or 2 DMX universes, allows for complete control of large lighting installations. 2 DMX universes kit shown.

Diagnostic and addressing tools (order separately)

LID - LumenID



LumenID is a diagnostic and addressing DMX/RDM tool. It must be specified on all DMX applications. Consult LID specification sheet for details.

LID-LT - LumentalkID



LumentalkID is a diagnostic and addressing tool. It must be specified for all Lumentalk (LT) applications. Consult LID-LT specification sheet for details.

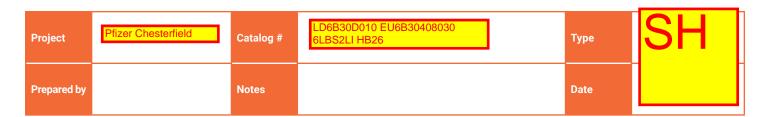
WHITE AND STATIC COLOURS

Housing	Voltage	Colour and Colour Temperature (1)	Optics	Optical Option (5) (8)	Finish	Control (12) (13)	Mounting Option ⁽¹⁶⁾	Options	Certification	Cable Length	Cable Color
LBS Lumenbeam [™] Small	100 100 volts 120 120 volts 208 208 volts 220 220 volts 240 240 volts 277 277 volts	22K 2200K 27K 2700K 30K 3000K 35K 3500K 40K 4000K 57K 5700K RD Red (2) (3) GR Green (2) (3) BL Blue (2) (3)	XN Extra Narrow 4° (4) VN Very Narrow 6° (4) NS Narrow Spot 10° (4) NE Narrow Flood 20° (4) M Medium 30° (4) FL Flood 40° (4) WFL WF 60° (4) NAS Narrow Asymmetric (4) WW Asymmetric Wallwash (4)	LSLH Linear spread lens horizontal distribution (6) (7) LSLV Linear spread lens vertical distribution (6) (7)	BK Black Sandtex® BRZ Bronze Sandtex® SI Siliver Sandtex® WH Smooth white BKTX Textured black BRZIX Textured bronze non-metallic GRATX Textured medium grey GRNTX Textured green WHIX Textured green WHIX CCC Custom colour and finish (please specify RAL colour) (9) (10) (11)	NO On/Off control DIM 0-10V dimming DALI DALI dimming DMX/RDM DMX/RDM enabled (14) (15)	SK Stake Mounting KN Knuckle Mounting CN Canopy mounting option	3GV 3G ANSI C136.31-2010 Vibration Rating for bridge applications (IV) CRC Corrosion- resistant coating for hostile environments (IB) (IP)	UL UL compliant CE CE compliant (20) (21) CEI CE compliant Class II double insulated (20)	3FT (0.9 m (15) (22) 10FT 3 m 20FT 6.1 m 50FT 15.2 m 70FT 21.3 m 100FT 30.5 m	BK Black WH White (23)

Notes:

- 1. Consult factory for availability of static Royal Blue, Amber, 6500K and 90+ CRI
- 2. Static colours made to order 8-10 weeks.
- 3. Not available for XN optic.
- 4. Factory installed, not interchangeable on site.
- Optical options are factory installed and cannot be changed in the field.
 Not available with VN and NF optics when combined with 2200K, 2700K, 3000K, 3500K, 4000K and 5700K static colours.
- 7. Field adjustable spread lens optical accessory available, order separately.
 8. Not available with WFL, NAS and WW optics.
- 9. Lumenpulse offers a wide selection of RAL CLASSIC (K7) colours with a smooth texture and high-gloss finish. Please consult factory for a list of available K7 colours, other RAL textures and glosses, or to match alternate colour charts. Final colour matching results may vary.
- 10. Setup charges apply for RAL colours. Consult factory for details.11. Longer lead times can be expected for custom RAL colour finishes.

- 12. Lumentalk system is enabled with LDB accessory, DIM or DMX/RDM must be specified in the order code. See the typical wiring diagrams in the specification sheet for details
- 13. A Lumentranslator 2 (LTL2) and LumentalkID (LIDLT) must be specified for Lumentalk applications. Consult Lumentranslator 2 and Lumentalk pages and specification sheets for details
- 14. A control box (CBX) and LumenID (LID) must be specified.
 15. Maximum of 3 ft cable length for daisy chain DMX applications with CBX-DS.
- 16. The standard yoke is provided unless an alternate mounting option is specified as part of the order code.
 17. 3GV option is available for standard yoke mounting only.
- 18. Use only when exposed to salt spray. This option is not required for normal outdoor exposure.
- 19. Setup charges apply. Consult factory for details.
- 20. Consult European specification sheets and installation instructions for CE and CE Class II wiring information.
- 21. Not available with DALI control option.
- 22. 3 ft cable length is standard unless otherwise specified.
- 23. Not available with CE or CEII certification options





Portfolio

LDS6B | EU6B | 6LBS

6" round, new construction shallow downlight

Typical Applications

Office • Education • Healthcare • Hospitality • Retail • Code-Compliance Areas • Sports Venues

Interactive Menu

- Order Information page 2
- Product Specifications page 3
- · Energy Data page 4
- Photometric Data page 4
- Connected System page 5
- Product Warranty

Product Certification







Product Features



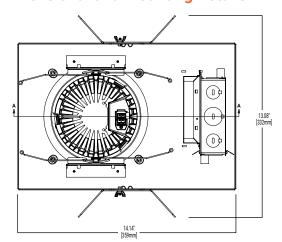


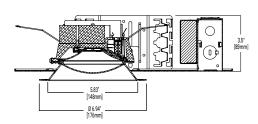


Top Product Features

- 500, 1000, 1500, 2000, 3000 lumens
- · 2400K, 2700K, 3000K, 3500K, 4000K, 5000K color temperature
- · For standard or shallow plenum heights
- · Dim-to-warm technology
- · Tuneable white technology

Dimensional and Mounting Details







Portfolio

Order Information

SAMPLE ORDER NUMBER: LDS6B10D010-EU6B102027-6LBS1MW

Housing Housing	Lumens	Driver Driver	
LDS6B = 6" Downlight 6" nominal aperture LDS6BCP = 6" Downlight 6" nominal aperture, Chicago Plenum	05= 500 Lumens ⁽¹⁰⁾ 10 = 1000 Lumens 15 = 1500 Lumens 20 = 2000 Lumens 30 = 3000 Lumens	D010 = 0-10V Dimming, 1% to 100%, 120V-277V D010T = 0-10V Or Line voltage Dimming, 3% to 100%, 120V-277V D010T = 0-10V Or Line voltage Dimming, 3% to 100%, 120V-277V D5LT = Fifth Light® DALI DT6 Logarithmic Dimming, 0% to 100%, 120V-277V DMX = DMX/RDM Logarithmic Dimming, 0% to 100%, 120V-277V (6) DMXC5=DMX/RDM Logarithmic Dimming, 0% to 100%, 120V-277V, with RJ45 connection DL2 = Lutron® Hi-Lume Forward Phase Dimming, 1% to 100%, 120V Only DLE = Lutron Ecosystem dimming 1% to 100%, 120V-277V DLV = Low voltage dimming driver (1-100%) for use with DLVP system (9)	Tunable white 1000-2000 Lumens (2) 1DE010W2N2050 = 0-10V dimming, 0% to 100%, 120V, 2000K - 5000K 1DE010W2N2765 = 0-10V dimming, 0% to 100%, 120V, 2700K - 6500K 1D5LTW2N2050 = Fifth Light DALI DT6 Logarithmic Dimming, 0% to 100%, 120V, 2000K - 5000K 1D5LTW2N2765 = Fifth Light DALI DT6 Logarithmic Dimming, 0% to 100%, 120V, 2700K - 6500K 2DE010W2N2050 = 0-10V dimming, 0% to 100%, 277V, 2000K - 6500K 2DE010W2N2050 = Fifth Light DALI DT6 Logarithmic Dimming, 0% to 100%, 277V, 2700K - 6500K 2D5LTW2N2050 = Fifth Light DALI DT6 Logarithmic Dimming, 0% to 100%, 277V, 2000K - 5000K 2D5LTW2N2765 = Fifth Light DALI DT6 Logarithmic Dimming, 0% to 100%, 277V, 2700K - 6500K
Notes	Notes (1) Nominal lumens will vary depending on selected color, driver and reflector finish. (10) Limited to D010 drivers	(2) Non-IC (3) Not available with Chicago Plenum. (6) DMX fixtures default to full on upon loss of DMX signal.	

Power Module Lumen CRI / CCT

Power Module	Lumen (1)		CRI / C	СТ	
EU6B = 6* Universal LED Module	1020 = 1000, 1500, 2000 Lumens 3040 = 3000 Lumens	80 CRI 27 = 2700K 30 = 3000K 35 = 3500K 40 = 4000K 50 = 5000K Dim 2 Warm 109030D2W = 1000 lumen, 90 CRI, D 159030D2W = 1500 lumen, 90 CRI, D 209030D2W = 2000 lumen, 90 CRI, D 309030D2W = 1000 lumen, 90 CRI, D	im 2 Warm, IC rated im 2 Warm	90 CRI, tunabl 1020W2N90	97 CRI 27 = 2700K 30 = 3000K ite 12050 = 1000, 1500, 2000 lumens, e white 2000K-5000K 12650 = 1000, 1500, 2000 lumens, e white 2700K-6500K
Notes	Notes	Notes			
	(1) Nominal lumens will vary depending on selected color, driver and reflector finish.				

Reflector	Flange	Finish		
Reflector	Flange	Finish		
6LBS = 6" Shallow wide beam spun aluminum 0LBCS = 0 "Snallow wide beam Die cast 6LBCS = 6" Shallow non-conductive, injection molded white (self flanged white only)	0 = White polymer trim ring 1 = Self-flanged (finish is the same or the reflector) 2 = White painted self- flanged	Spun reflectors L1 = Specular Clear H = Sem:-Specular Clear WH = Warm Haze WH = Whate GPH = Graphite Haze B = Specular Black		
Notes	Notes	Notes		

Accessories

Access	ories
HSA6 = Slope Adapter for 4" Aperture Housings, Specify Slope in 5" increments TRM6 = Metal Trim Ring, Specify Color LGSKT4IP66 = IP66 Gasket Kit PRR6 = Rimless Plaster Ring for Flush Mount (order reflector with polymer ring)	Bar Hangers HB26 = C-channel Bar Hanger, 26" Long, Pair HB30 = C-channel Bar Hanger, 20" Long, Pair RMB22 = Wood Joist Bar Hanger, 22" Long, Pair Connected Lighting Systems (") WTA = Field installed WaveLinx sensor Kit (8) WTK = Field installed WaveLinx Lite Sensor Kit (9)
Notes (7) Refer to system specifications for additional information, features, and benefits. Order either factory installed option or accessory.	
(8) WTA = WaveLinx wireless sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with 0-10V only. (9) WTK = WaveLinx Lite tile mount sensor kit for daylight dimming, PIR motion sensing, use with D010 only (Refer to WaveLinx Lite system specifications)	



Portfolio LDS6B | EU6B | 6LBS

Product Specifications

Lower Shielding Reflector

- Painted die cast aluminum, spun aluminum or nonconductive injection molded lower reflector with a lensed upper optical chamber providing superior lumen output with minimal source brightness
- Spun reflectors are offered in all Portfolio Alzak® finishes
- Reflector is retained with two torsion springs holding the flange tight to the finished ceiling surface
- Plaster lathing ring accessory offered for flush reflector transition

Plaster Frame

- Galvanized steel plaster frame designed for ceiling thickness from ½ to 1-1/4-inch
- Universal mounting bracket accepts 1/2" EMT, C channel and bar

Junction box

- Listed for (8) #12 AWG (four in, four out) 90°C conductors and feed thru branch wiring
- (4) 1/2" and (2) 3/4" trade size pry outs positioned to allow straight conduit runs

Therma

 Aluminum heat sink conducts heat away from the LED module for optimal performance and long life

LED

- Chip on board with a multitude of highly efficient white LED's, combined with a high reflectance upper reflector and convex transitional lens produce even distribution with no pixilation.
- Rated for 50,000 hours at 70% lumen maintenance. Auto resetting, thermally protected, LED's are turned off when safe operating temperatures are exceeded.
- Color variation within 2-step MacAdam ellipses.
 Flexible disconnect allows for tool-less replacement of LED engine from below ceiling

- · Available in 80, 90 or 97 CRI.
 - D2W™ dim-to-warm shifts CCT from 3000K to 1850K as fixture dims mimicking halogen sources.
 - W2N Tunable white CCT range 2700K to 6500K or 2000K to 5000K, 90 CRI. Standard (requires above ceiling access)

Driver

- 120-277V 0-10V dimming driver provides flicker free dimming from 100% to 1%
- Optional 120V leading edge, <1% 0-10V, Fifth Light, DMX or Lutron® Ecosystem
- W2N, DMX, DE010, and D5LT require above ceiling access and all other drivers can be accessed from above or through the aperture
- Distributed low voltage power system combines power, lighting, and controls with ease of installation.

Connected Lighting System Options

Two WaveLinx connected systems to choose from. Refer to WaveLinx system specifications and application guides for details.

WaveLinx Wireless System Tilemount Sensor Kit

 WaveLinx Wireless WTA tile mount sensor kit offers daylight dimming, PIR motion sensing, scene and zone configuration, automatic commissioning; and optional RLTS - Real Time Location Services available

WaveLinx Lite System Tilemount Sensor Kit

 WaveLinx Lite WTK tile mount sensor kit offers daylight dimming and PIR motion sensing, scene and grouping configuration.

WaveLinx Tilemount Kits Application

 The WTA and WTK tilemount kits include a control module mounted on the luminaire junction box via 1/2" knock-out, and a tilemount sensor on 54-inch

- whip; for ceiling installation by direct-mount spring clips or via mounting bracket in octagon ceiling boxes.
- The WTA and WTK tilemount kits may be ordered as factory installed on the luminaire, or ordered separately as a field installed accessory kit.

Code Compliance

- Thermally protected and cULus listed for protected wet locations
- IP66 rated when used with IP66 gasket kit accessory
- Optional City of Chicago environmental air (CCEA) marking for plenum applications
- EMI/RFI emissions per FCC 47CFR Part 18 Class B consumer limits
- · IC rated up to 1500 lumens
- 2000 lumen and above are non-IC rated insulation must be kept 3" from top and sides of housing
- · RoHS Compliant
- Photometric testing completed in accordance with IES LM 79 and TM-30 standards
- LED life testing completed in accordance with LM 80 standards

Warranty

Five year warranty



Energy and Performance Data

Energy Data	
Sound Rating: Class A standards	
(Values at non-dimming line voltage)	
Minimum Starting Temperature: -30°C (-22°F)	
EMI/RFI: FCC Title 47 CFR, Part 15, Class B (Consumer)	
Input Voltage: UNV (120V - 277V)	
Power Factor: >0.90 (at nominal input 120-277 VAC & 100% of Rated Output Power)	
Input Frequency: 50/60Hz	

	120 V		277V	
Lumens	Inrush (A)	Duration (ms)	Inrush (A)	Duration (ms)
1000 Lumen D010	1.02	0.041	2.18	0.021
1500 Lumen D010	1.02	0.042	2.24	0.064
2000 Lumen D010	1.02	0.077	2.43	0.027
3000 Lumen D010	1.15	0.067	3.26	0.027

1000 Lumen D010		
Input power: 11W	THD: <14%	
120V input current: 0.09A	277V Input Current: 0.04A	

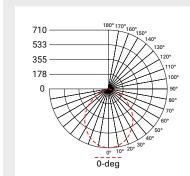
1500 Lumen D010		
Input power: 15.5W	THD: <13%	
120V input current: 0.13A	277V Input Current: 0.06A	

2000 Lumen D010		
Input power: 21.2W	THD: <9%	
120V input current: 0.18A	277V Input Current: 0.08A	

3000 Lumen D010		
Input power: 27.6W	THD: <10%	
120V input current: 0.23A	277V Input Current: 0.10A	

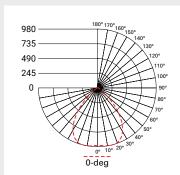
Photometric Data





Test Report: P35144

Housing: LD6B15D010 Module: EU6B10208035 Trim: 6LBCS1MMS Lumens: 1546.1 Input Watts: 14W Efficacy: 110.4 Lm/W



Test Report: P201213

Housing: LD6B15D010 Module: EU6B10208035 Trim: 6LBW1LI Lumens: 1519.0 Input Watts: 14.3W Efficacy: 106.2 Lm/W

ULH-10665

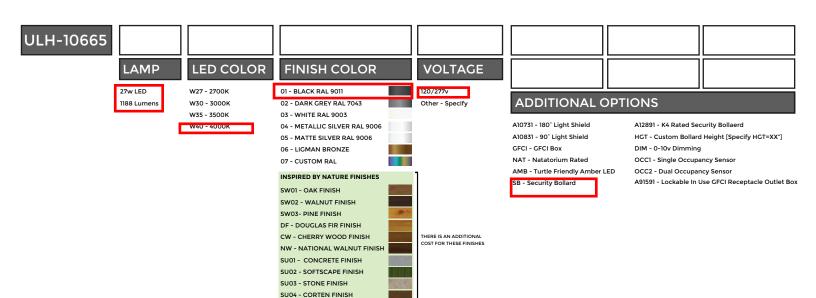
Lightsoft 1 Bollard



PROJECT Pfizer Chesterfield

JLH-10665-W40-01-SB

ORDERING EXAMPLE || ULH - 10665 - 27w - W30 - 02 - 120/277v - Options



More Custom Finishes Available Upon Request









ULH-10665

Lightsoft 1 Bollard

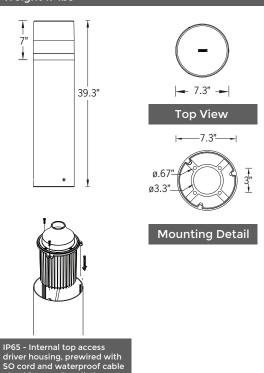




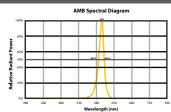
27w LED 1188 Lumens

IP65 • Suitable For Wet Locations

IK08 • Impact Resistant (Vandal Resistant) Weight 17 lbs



CITY OF FLAGSTAFF & TURTLE FRIENDLY COMPLIANT



Narrow-Spectrum Amber LEDs

gland for easy installation.

Peak wavelength between 585 & 595 nanometers and a full width of 50% power no greater than 15 nanometers.t

Construction

Aluminum Less than 0.1% copper content – Marine Grade 6060 extruded & LM6 Aluminum High Pressure die casting provides excellent mechanical strength , clean detailed product lines and excellent heat dissipation.

Pre paint

8 step degrease and phosphate process that includes deoxidizing and etching as well as a zinc and nickel phosphate process before product painting.

Memory Retentive -Silicon Gasket

Provided with special injection molded "fit for purpose" long life high temperature memory retentive silicon gaskets. Maintains the gaskets exact profile and seal over years of use and compression.

Thermal management

LM6 Aluminum is used for its excellent mechanical strength and thermal dissipation properties in low and high ambient temperatures. The superior thermal heat sink design by Ligman used in conjunction with the driver, controls thermals below critical temperature range to ensure maximum luminous flux output, as well as providing long LED service life and ensuring less than 10% lumen depreciation at 50,000 hours.

<u>Surge Suppression</u> Standard 10kv surge suppressor provided with all fixtures.

BUG Rating B1 - U3 - G1

All Ligman products go through an extensive finishing process that includes fettling to improve paint adherence.

UV Stabilized 4.9Mil thick powder coat paint and baked at 200 Deg C. This process ensures that Ligman products can withstand harsh environments. Rated for use in natatoriums.

Inspired by Nature Finishes

The Inspired by nature Finishing is a unique system of decorative powder coating. Our metal decoration process can easily transform the appearance of metal or aluminum product into a wood grain finish

This patented technology enables the simulation of wood grain, and even marble or granite finish through the use of decorative

The wood grain finish is so realistic that it's almost undistinguishable from real wood, even from a close visual inspection. The system of coating permeates the entire thickness of the coat and as a result, the coating cannot be removed by normal rubbing, chipping, or scratching.

<u>The Coating Process</u>
After pre-treatment the prepared parts are powder coated with a specially formulated polyurethane powder. This powder provides protection against wear, abrasion, impact and corrosion and acts as the relief base color for the finalized metal

The component is then wrapped with a sheet of non-porous film with the selected decoration pattern printed on it using special high temperature inks.

This printed film transfer is vacuum-sealed to the surface for a complete thermo print and then transferred into a customized oven. The oven transforms the ink into different forms within the paint layer before it becomes solid. Finally, the film is removed, and a vivid timber look on aluminum remains

Wood grain coating can create beautiful wood-looking products of any sort. There are over 300 combinations of designs currently in use. Wood grains can be made with different colors, designs, etc.

Our powder coatings are certified for indoor and outdoor applications and are backed by a comprehensive warranty. These coatings rise to the highest conceivable standard of performance excellence and design innovation.

Added Benefits

- · Resistance to salt-acid room, accelerated aging Boiling water, lime and condensed water resistant
- Anti-Graffiti, Anti-Slip, Anti-Microbial, Anti-Scratch Super durable (UV resistant)
- TGIC free (non-toxic)

Hardware

Provided Hardware is Marine grade 316 Stainless steel.

Anti Seize Screw Holes

Tapped holes are infused with a special anti seize compound designed to prevent seizure of threaded connections, due to electrolysis from heat, corrosive atmospheres and moisture.

Crystal Clear Low Iron Glass Lens

Provided with tempered, impact resistant crystal clear low iron glass ensuring no green glass tinge.

Precise optic design provides exceptional light control and precise distribution of light. LED CRI > 80

Lumen - Maintenance Life

L80 /B10 at 50,000 hours (This means that at least 90% of the LED still achieve 80% of their original flux)

Indirect light-emitting bollard range. Smooth and sharp devised bollard family with wonderful soft controlled lighting options.

The innovative reflector technology of the Lightsoft bollard guarantees a high degree of efficiency and optimal visual comfort. Lightsoft has been developed to have excellent controlled downward light providing wide spacing ratios. It has three light shield accessories with different light distributions. The Lightsoft is available in a cylindrical or square shape design with two different heights. The Lightsoft Bollard comes standard with a unique waterproof internal driver housing compartment that is situated at the top of the pole to stop water and dust from entering the electrical components. This fixture is supplied completely wired with powercord and waterproof gland from the driver enclosure to the base of the bollard ensuring quick trouble-free installation. Custom bollard heights are available, please specify.

Color temperature 2700K, 3000K, 3500K and 4000K. Custom wattages can be provided to suit customer and Title 24 requirements. (Specify total watts per fixture)

All Ligman fixtures can be manufactured using a special pre-treatment and coating process that ensures the fixture can be installed in natatoriums as well as environments with high concentrations of chlorine or salt and still maintain the 5 year warranty. For this natatorium rated process please specify NAT in options.

Security Bollard:

This Bollard is available as a traffic rated security bollard. This optional design includes a 1/4" wall thickness galvanized steel security pole with 2 1" galvanized cross support rods that are embedded into concrete.

The standard security bollard provides restraint of vehicular traffic in unauthorized areas. Impact calculations shows this bollard will stop a 5,500lb/2.75 tons vehicle, travelling at 30mph. For additional strength, the galvanized pole must be filled with concrete up to the waterproof driver housing to provide a solid concrete barrier.

A K4 rated security bollard is also available. This bollard is provided with internal reinforcement and is to be filled with concrete at the job site by others. This bollard will stop a 15,000lb vehicle traveling at 30mph.

Additional Options (Consult Factory For Pricing)

