


## 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.

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 1: subject Site Aerial*

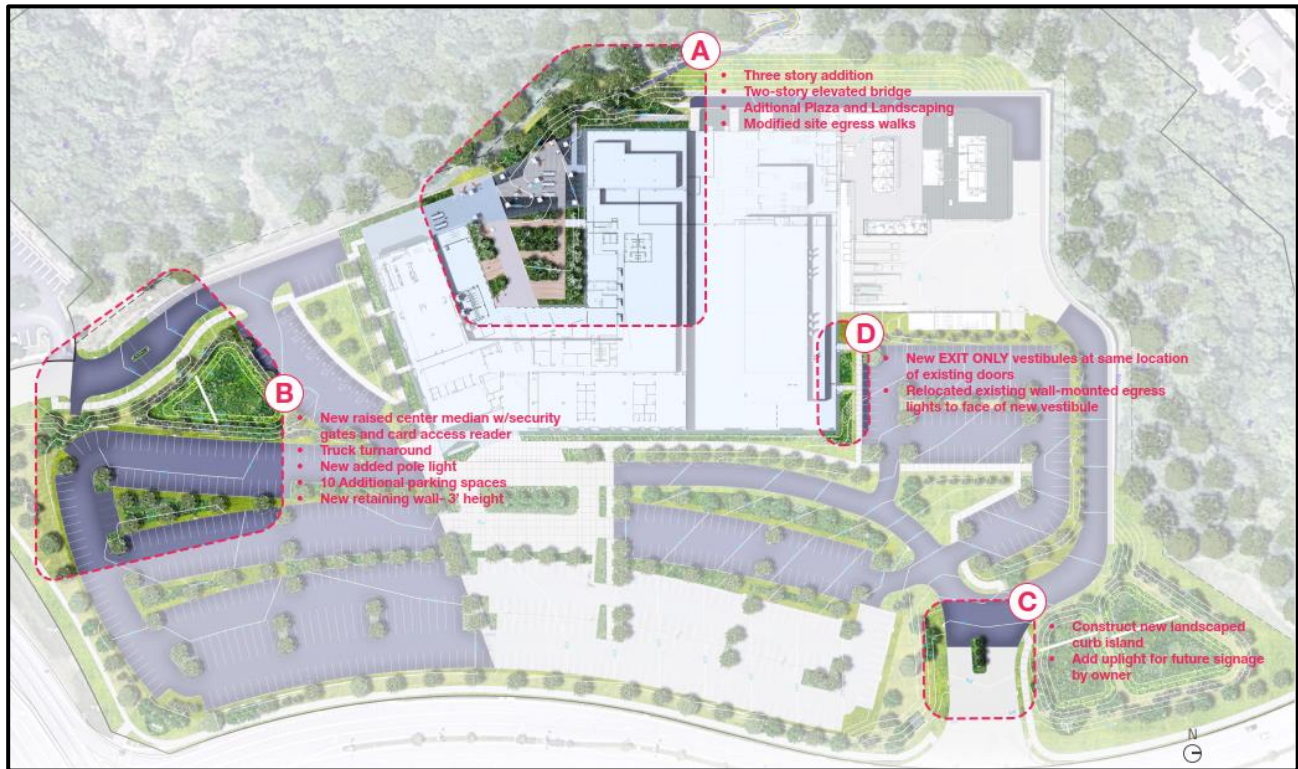


Figure 2: Color Site Plan

**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 Footprint (Sq. ft.)	Building Area (Sq. ft.)	Cumulative Build-Out (F, G, H, & I) (Sq. ft.)
<b>Max Allowed</b>	<b>135,000</b>	<b>460,000</b>	<b>610,000</b>
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

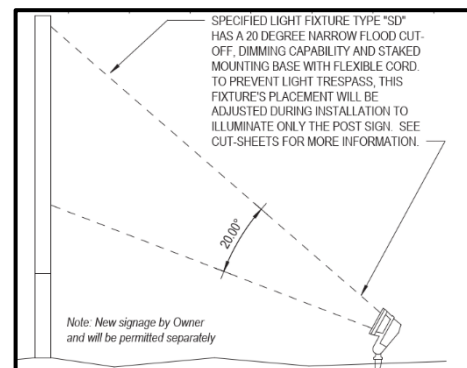
There will be ten (10) additional parking spaces added to the southern portion of the site, bringing the total parking to 675 spaces for this use. This amount is beneath the minimum parking required for this use. However, the applicant is seeking a Deferral of Parking Construction, as permitted by the 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 Commission as an alternative to a fully-shielded fixture when it can be proven that there will be no off-site 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.

Figure 4: Lighting Cutoff Exhibit

### Architectural Elevations

The addition will utilize the same design as the rest of the existing building, which will feature a three-story 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.

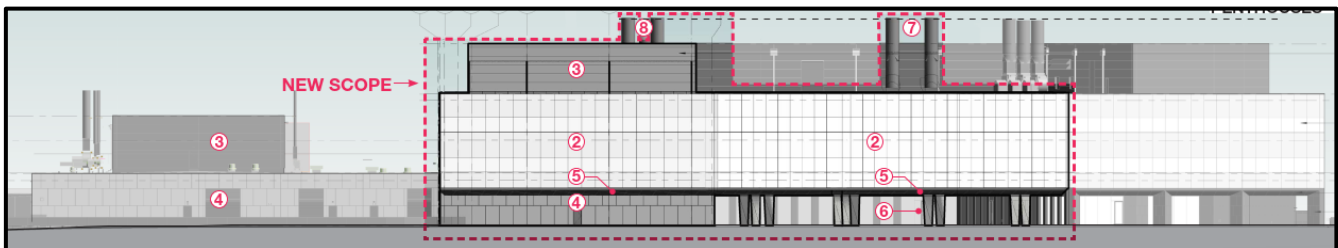


Figure 5: West Elevation

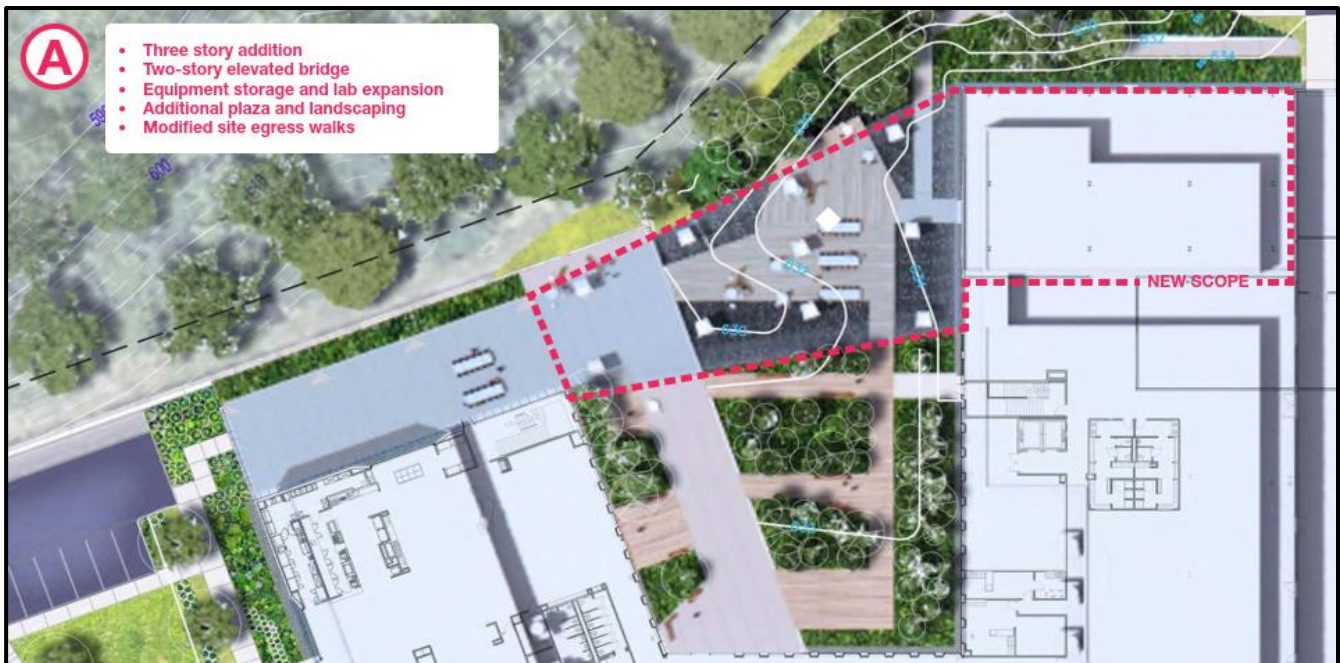


Figure 6: Building Addition Aerial

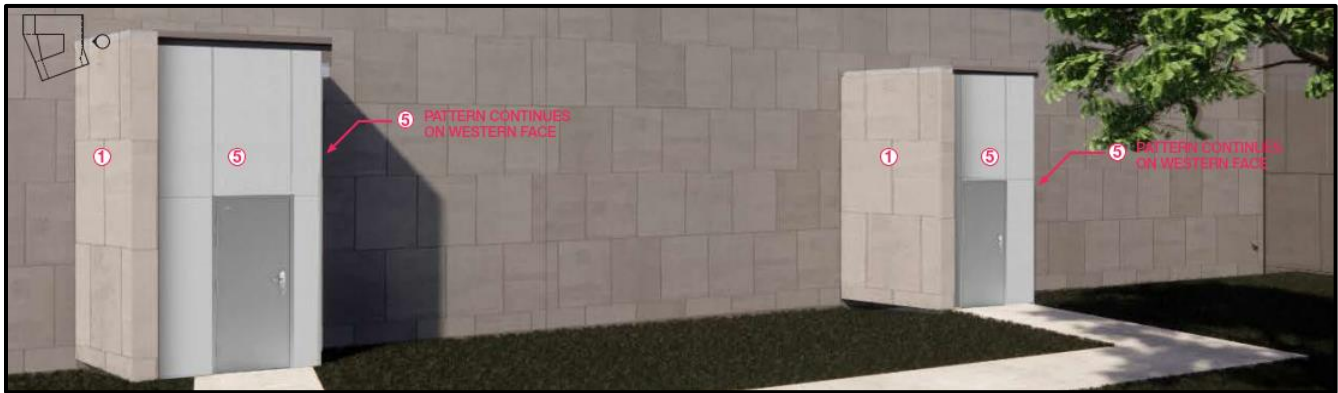


Figure 7: Vestibules (North Elevation)

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.

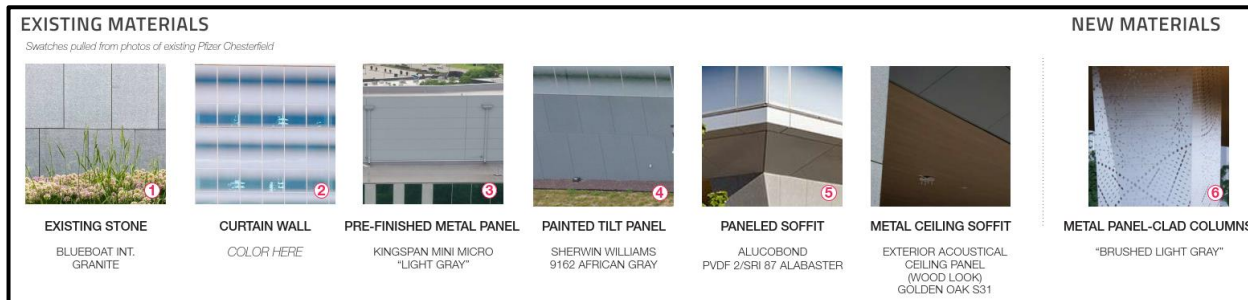


Figure 8: Material Palette



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









11.02.2021  
KAPIL KHANNA - ARCHITECT  
MO # A-2017004037

**CLAYCO**  
THE ART & SCIENCE OF BUILDING  
2199 INHERBELL BUSINESS CENTER DRIVE  
ST. LOUIS, MISSOURI 63114  
PH: 314.429.5100 FX: 314.429.3137

**Lamar Johnson Collaborative**  
2199 INHERBELL BUSINESS CENTER DRIVE  
ST. LOUIS, MISSOURI 63114  
PH: 314.429.1010



**RNA DEVELOPMENT LABORATORY EXPANSION**  
875 West Chesterfield Parkway  
Chesterfield, MO 63017  
Design Development

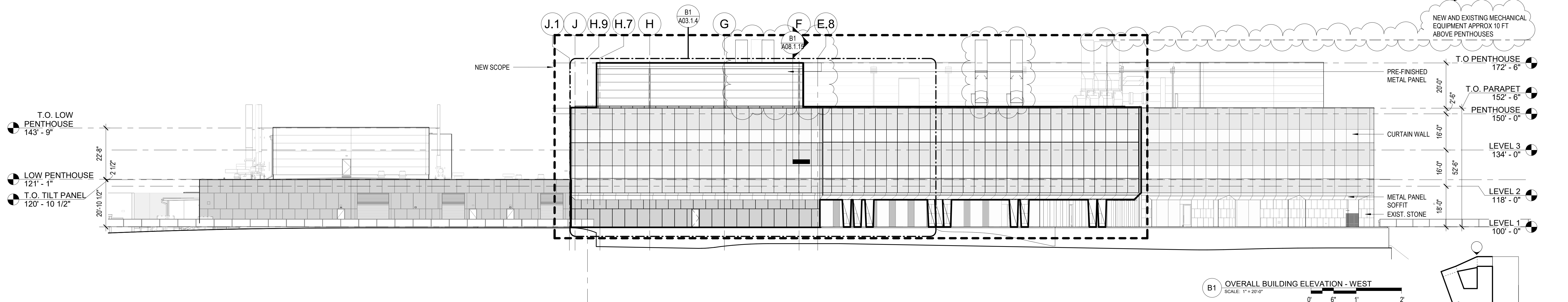
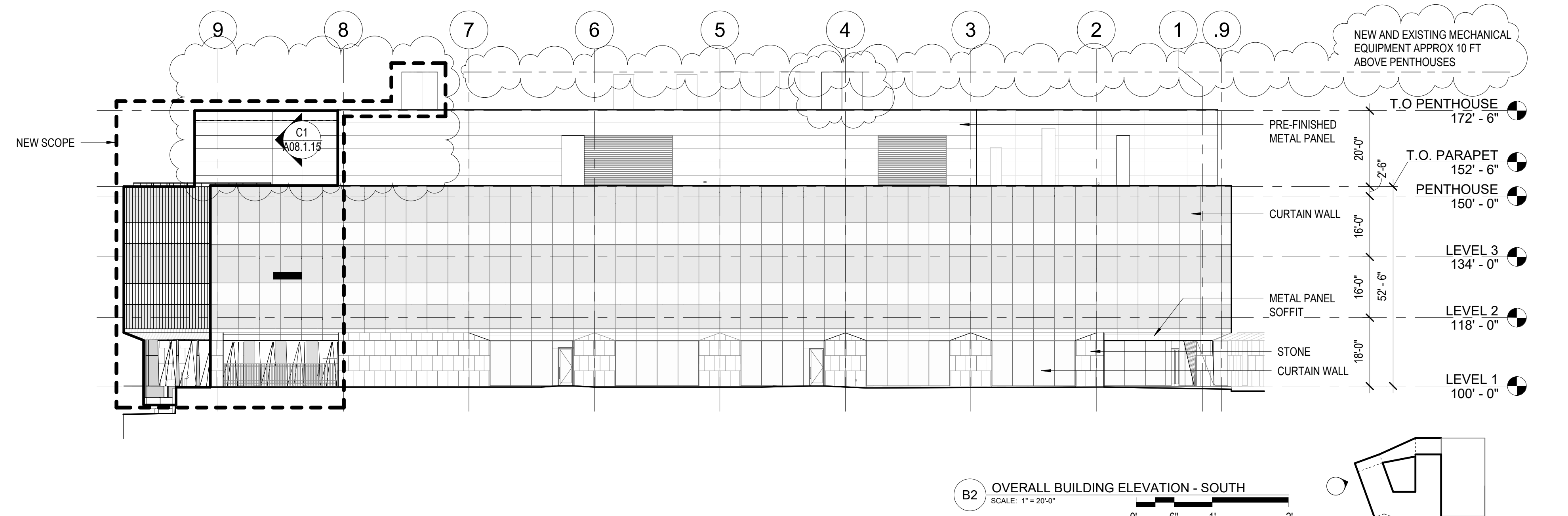
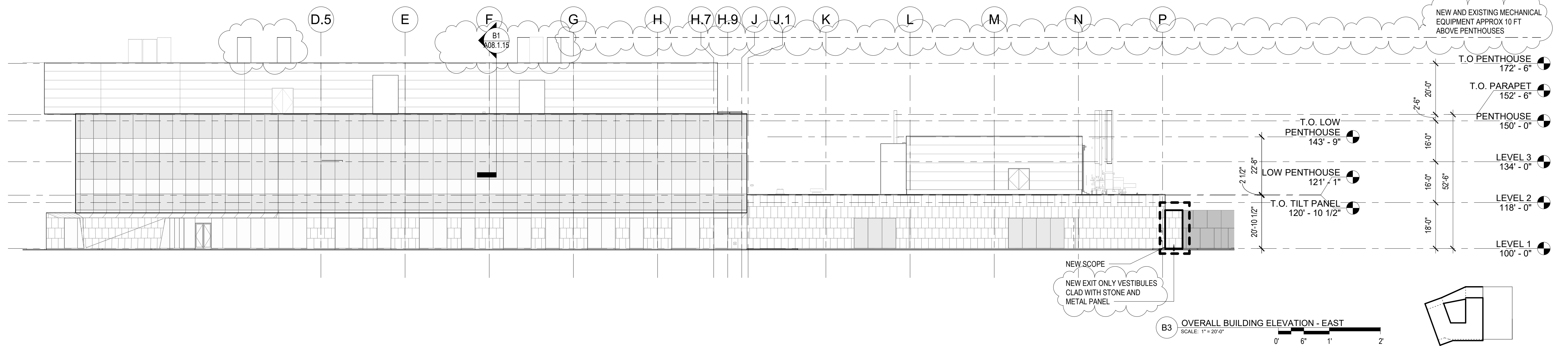
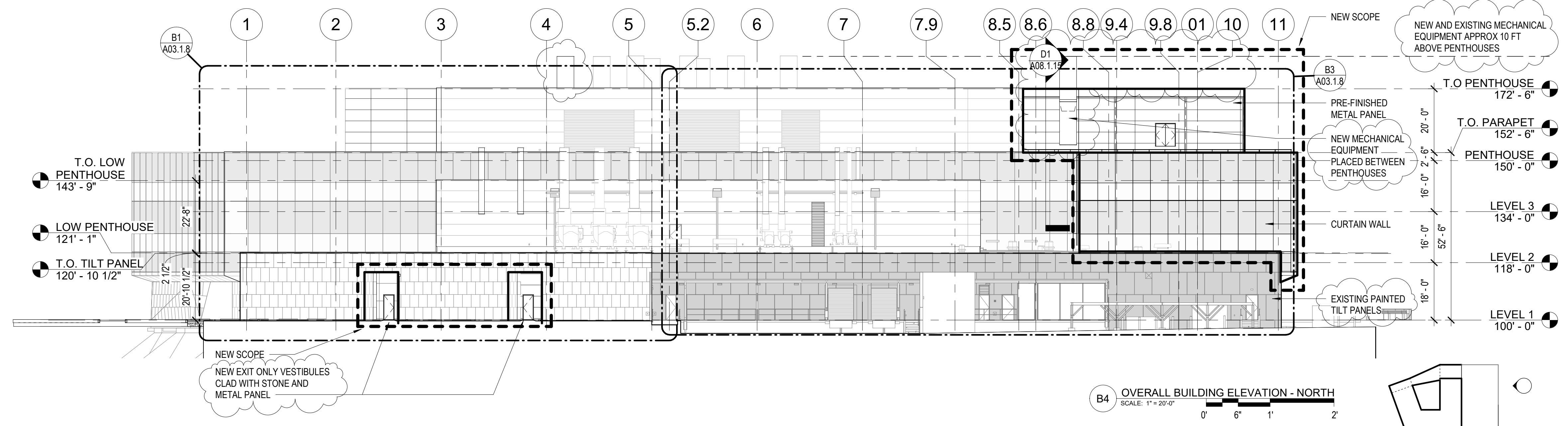
DRAWING ISSUE	
DESCRIPTION	DATE
ASDCP & ASDSP	09/23/2021
CITY COMMENTS	10/15/2021
CITY COMMENTS	11/02/2021

BUILDING MAP

DRAWING TITLE  
OVERALL ELEVATIONS

DRAWING NO.  
**A03.0.1.**

Job # **LJC# 005815**





11.02.2021  
KAPIL KHANNA - ARCHITECT  
MO # A-2017004037

**CLAYCO**  
THE ART & SCIENCE OF BUILDING  
2199 INHERBELL BUSINESS CENTER DRIVE  
ST. LOUIS, MISSOURI 63114  
PH: 314.429.5100 FX: 314.429.3137

**Lamar Johnson Collaborative**  
2199 INHERBELL BUSINESS CENTER DRIVE  
ST. LOUIS, MISSOURI 63114  
PH: 314.429.1010



**RNA DEVELOPMENT LABORATORY EXPANSION**

875 West Chesterfield Parkway  
Chesterfield, MO 63017  
Design Development

DRAWING ISSUE

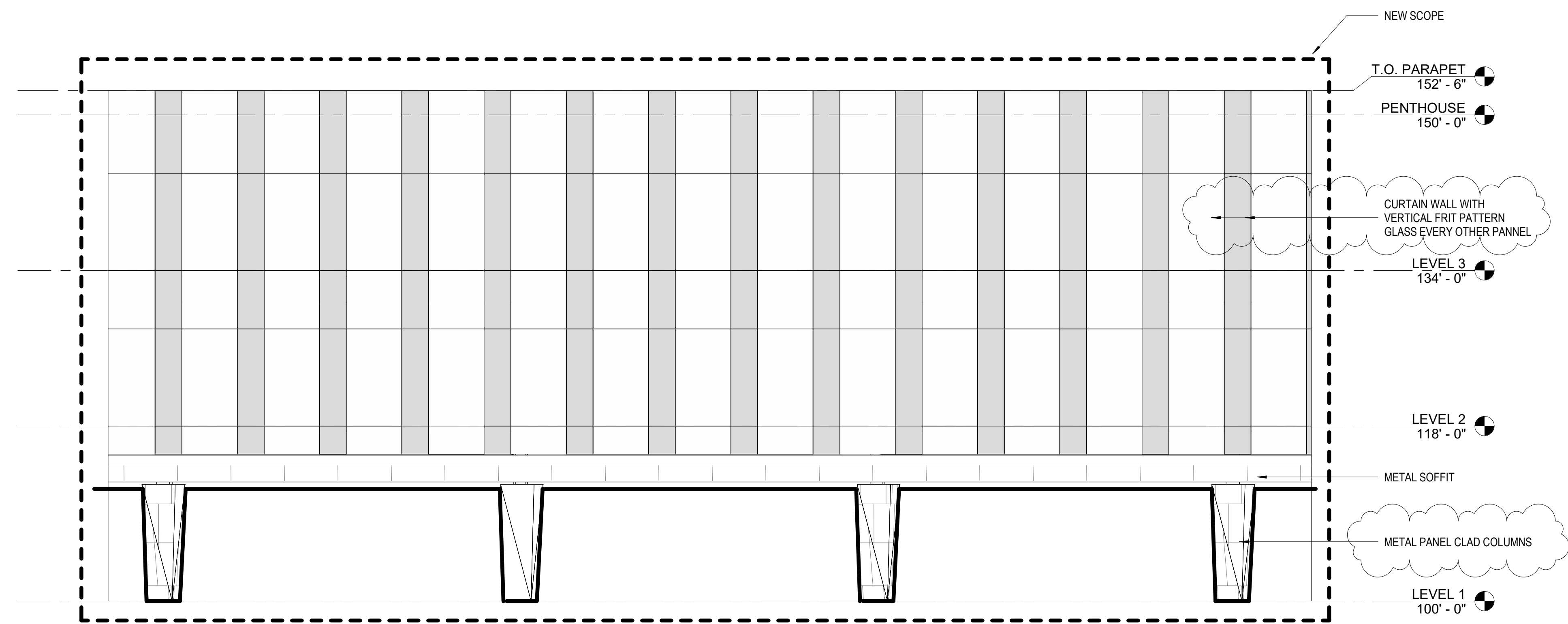
DESCRIPTION	DATE
ASDCP & ASDSP	09/23/2021
CITY COMMENTS	10/15/2021
CITY COMMENTS	11/02/2021

BUILDING MAP

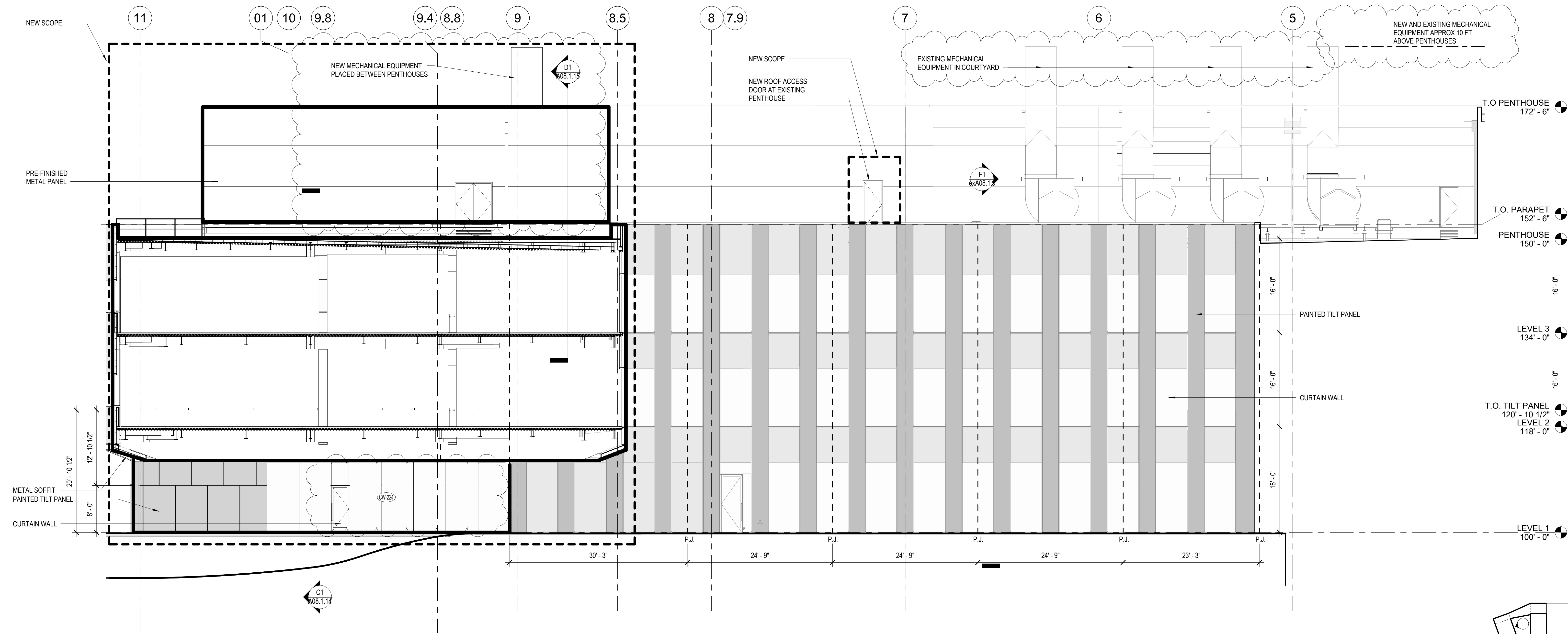
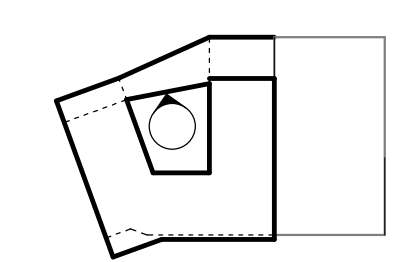
DRAWING TITLE  
ENLARGED ELEVATIONS - COURTYARD

DRAWING NO.  
**A03.1.3.**

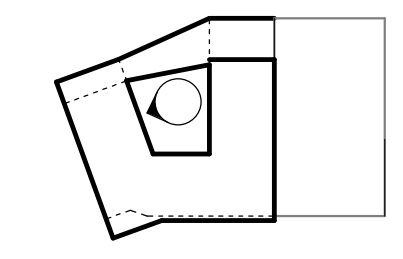
Job # | LJC# 005815



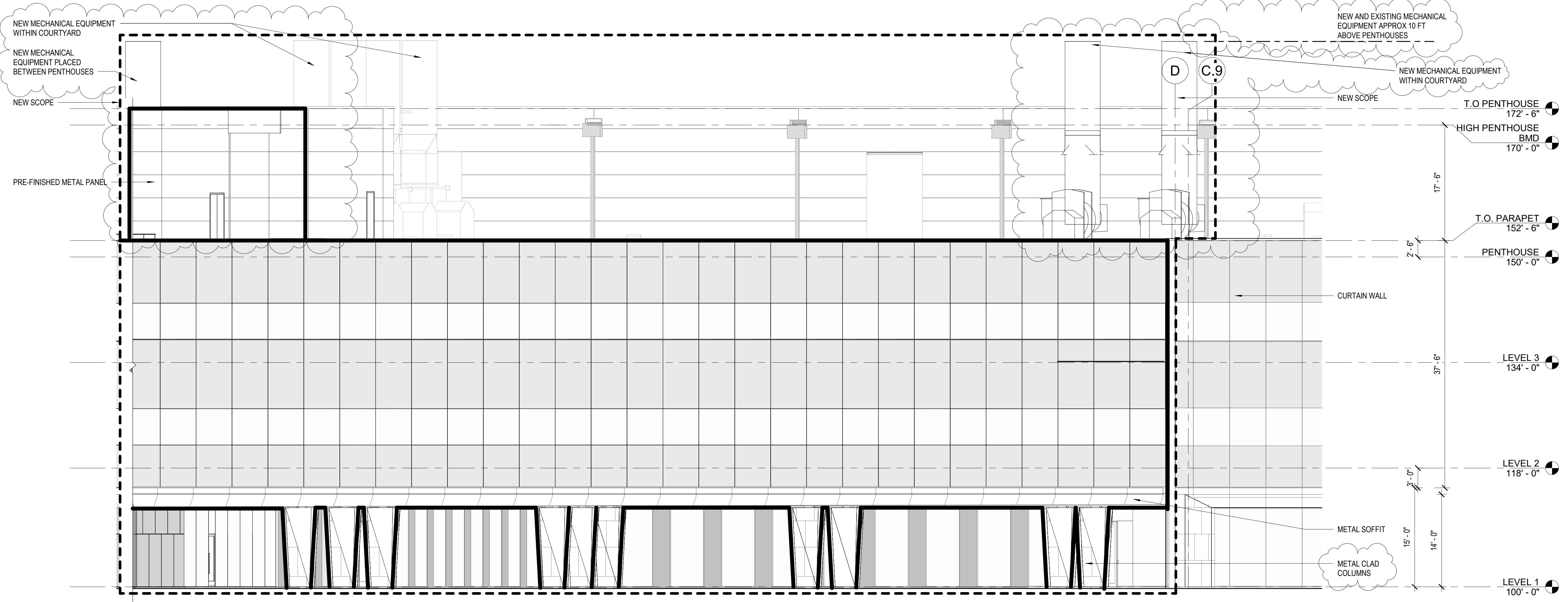
B3 PARTIAL COURTYARD ELEVATION - WEST  
SCALE: 1/8" = 1'-0"



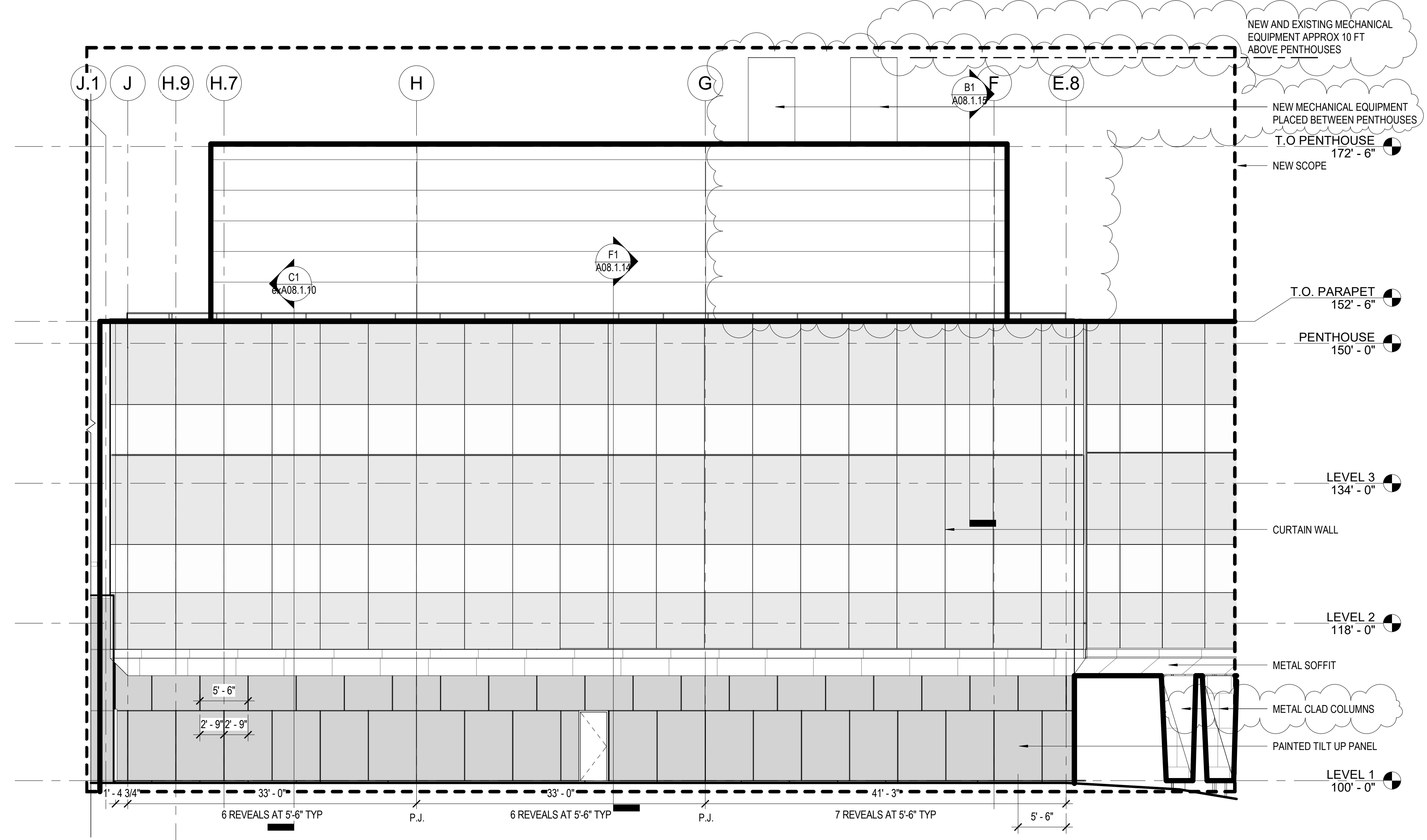
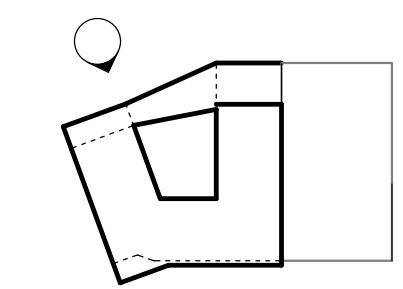
A3 PARTIAL ELEVATION - COURTYARD NORTH  
SCALE: 1/8" = 1'-0"



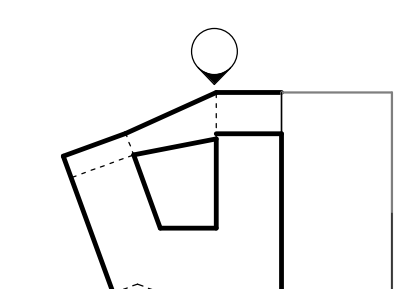
11/22/2021 12:28:59 PM



B3 PARTIAL WEST ELEVATION  
SCALE: 1/8" = 1'-0"



B1 PARTIAL WEST ELEVATION  
SCALE: 1/8" = 1'-0"



11.02.2021  
KAPIL KHANNA - ARCHITECT  
MO # A-2017004037

**CLAYCO**  
THE ART & SCIENCE OF BUILDING  
2199 INHERBERT BUSINESS CENTER DRIVE  
ST. LOUIS, MISSOURI 63114  
PH: 314.429.5100 FX: 314.429.3137

**Lamar Johnson Collaborative**  
2199 INHERBERT BUSINESS CENTER DRIVE  
ST. LOUIS, MISSOURI 63114  
PH: 314.429.1010



RNA DEVELOPMENT LABORATORY EXPANSION

875 West Chesterfield Parkway  
Chesterfield, MO 63017  
Design Development

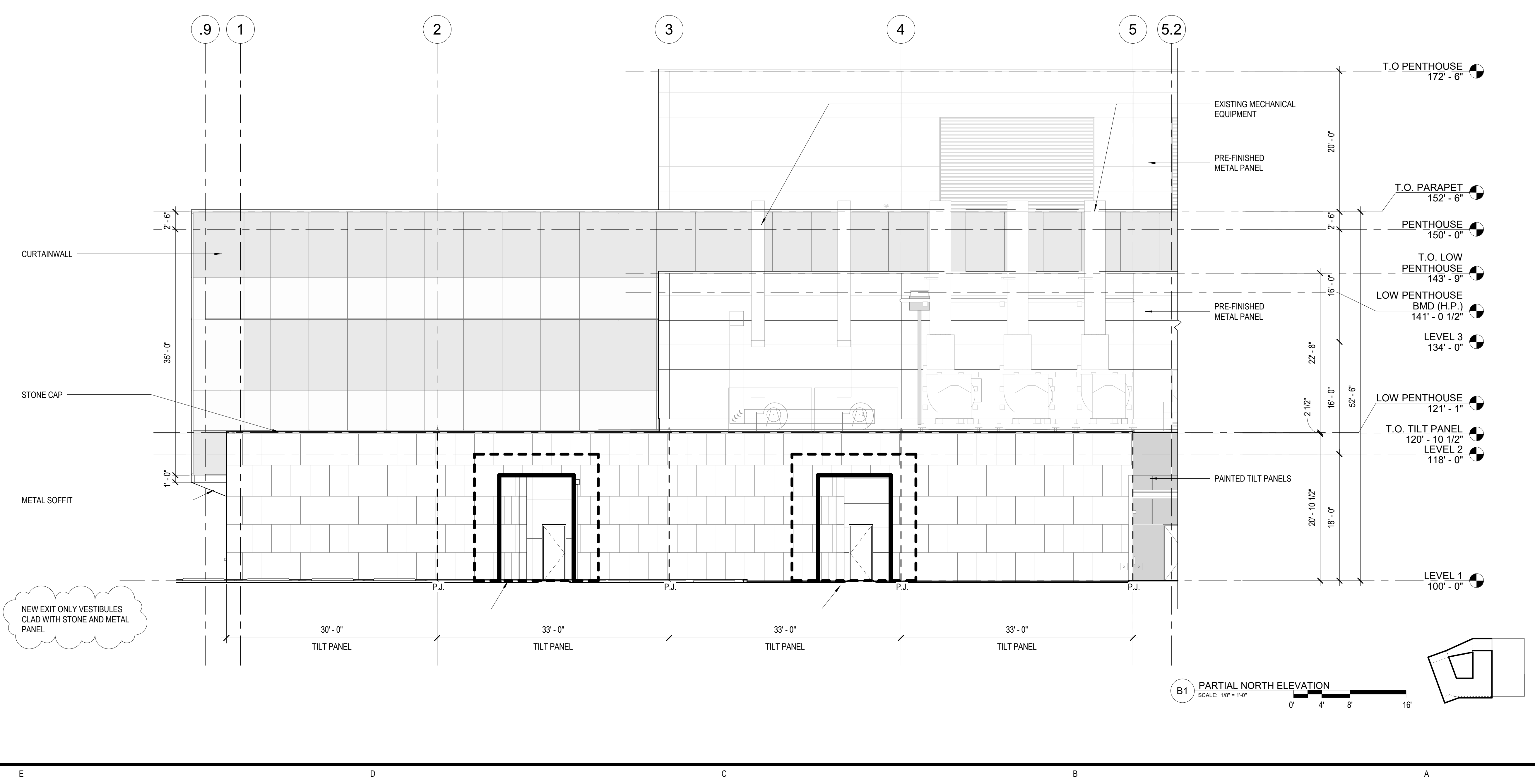
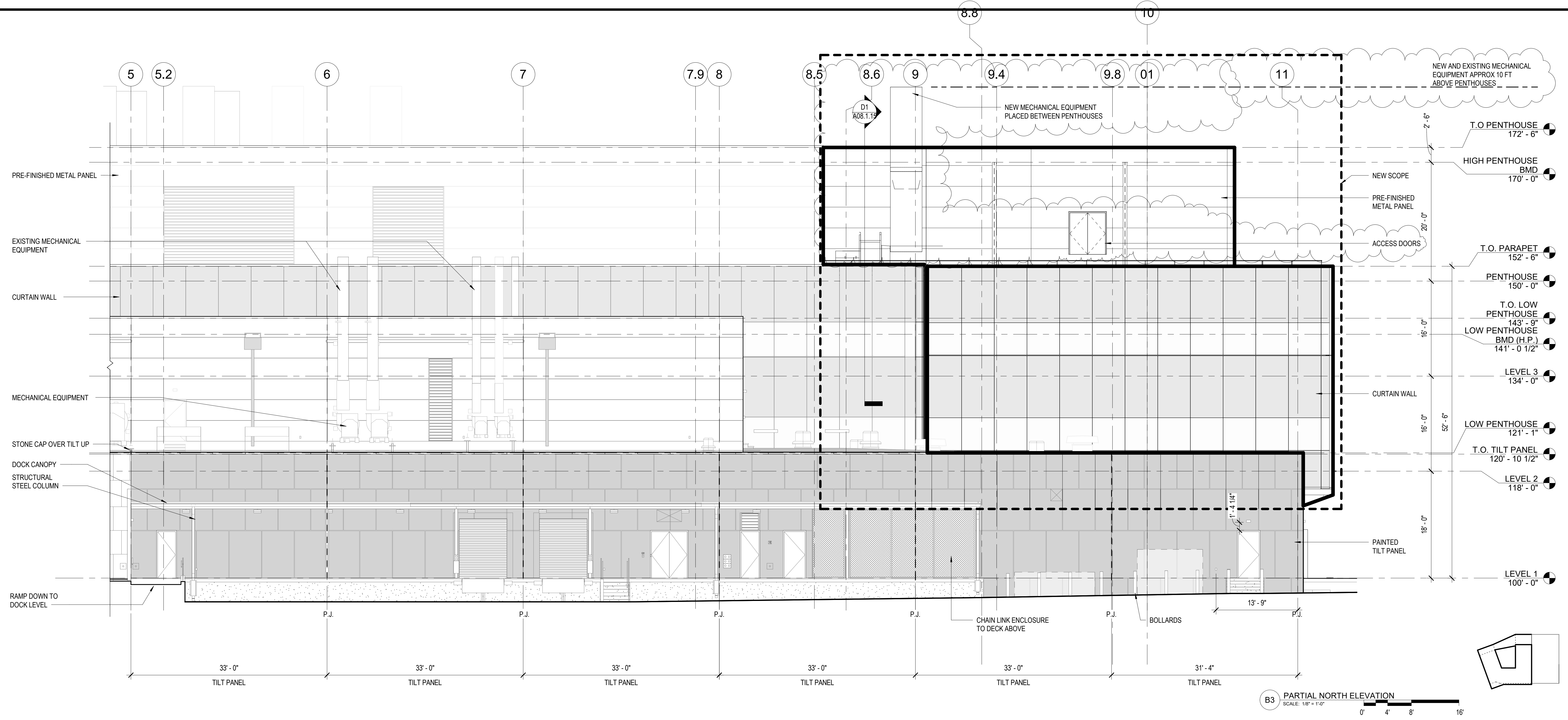
DRAWING ISSUE	
DESCRIPTION	DATE
ASDCP & ASDSP	09/23/2021
CITY COMMENTS	10/15/2021
CITY COMMENTS	11/02/2021

BUILDING MAP	

DRAWING TITLE  
ENLARGED ELEVATIONS - WEST

DRAWING NO.  
**A03.1.4.**

Job # | LJC# 005815



11.02.2021  
 KAPIL KHANNA - ARCHITECT  
 MO # A-201700403732

**CLAYCO**  
 THE ART & SCIENCE OF BUILDING  
 2109 INNERBELT BUSINESS CENTER DRIVE  
 ST. LOUIS, MISSOURI 63114  
 PH. 314.423.5100 FX. 314.429.3137

**Lamar Johnson Collaborative**  
 2109 INNERBELT BUSINESS CENTER DRIVE  
 ST. LOUIS, MISSOURI 63114  
 PH. 314.423.1010



**RNA DEVELOPMENT LABORATORY EXPANSION**  
 875 West Chesterfield Parkway  
 Chesterfield, MO 63017  
 Design Development

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

BUILDING MAP

DRAWING TITLE  
 ENLARGED ELEVATIONS - NORTH

DRAWING NO.  
**A03.1.8.**

Job # **LJC# 005815**

11/22/2021 12:16:47 PM

**PLANT SCHEDULE**

**DECIDUOUS CANOPY TREES**

Sym	Qty	Botanical Name	Cultivar	Common Name	Size	Method	Spacing	Comments
AC RU	5	Acer rubrum	Red Point	Red Point Maple	2'-2 1/2' Cal	B & B	SEE PLAN	Transplant
BE NI	4	Betula nigra	Heritage	River Birch	2 1/2" Cal	B & B	SEE PLAN	Transplant
BE NI M	7	Betula nigra	Heritage	River Birch	1 1/2" Cal	B & B	SEE PLAN	Transplant
GL TR	1	Gleditsia triacanthos	Inermis	Thornless Common Honeylocust	12" Ht.	B & B	SEE PLAN	Transplant
GY DI	1	Gymnocladus dioica		Kentucky Coffee Tree	2 1/2" Cal.	B & B	SEE PLAN	Transplant
QU MA	1	Quercus macrocarpa		Bur Oak	2 1/2" Cal.	B & B	SEE PLAN	Transplant
QU RO	3	Quercus robur x bicolor	'Nelder'	Kindred Spirit Oak	2 1/2" Cal.	B & B	SEE PLAN	Main Entry Island, Tree Staking
TA DI 2	4	Taxodium distichum		Bald cypress	8" Ht.	B & B	SEE PLAN	Transplant

**DECIDUOUS UNDERSTORY TREES**

Sym	Qty	Botanical Name	Cultivar	Common Name	Size	Method	Spacing	Comments
AC GR	2	Acer griseum		Paperbark Maple	4'-6" Ht.	B & B	SEE PLAN	Transplant

**EVERGREEN TREES**

Sym	Qty	Botanical Name	Cultivar	Common Name	Size	Method	Spacing	Comments
JU VI	2	Acer griseum		Paperbark Maple	4'-6" Ht.	B & B	SEE PLAN	Transplant
PI ST	1	Pinus strobus		Eastern White Pine	8'-10" Ht.	B & B	SEE PLAN	Transplant

**EVERGREEN SHRUBS**

Sym	Qty	Botanical Name	Cultivar	Common Name	Size	Method	Spacing	Comments
JU VI	12	Juniperus virginiana	Grey Owl	Juniper	12"-18" Ht.	B & B	36" O.C.	Main Entry (B) & Secondary Entry Islands (3)

**ORNAMENTAL GRASSES & SEDGES**

Sym	Qty	Botanical Name	Cultivar	Common Name	Size	Method	Spacing	Comments
se	6	Sesleria autumnalis		Autumn Moor Grass	1 Quart	Container	12" O.C.	Main Entry Island
sp	4	Sporobolus heterolepis		Dwarf Prairie Dropseed	1 Quart	Container	24" O.C.	Main Entry Island

**HERBACEOUS PERENNIALS & GROUNDCOVERS**

Sym	Qty	Botanical Name	Cultivar	Common Name	Size	Method	Spacing	Comments
al	8	Alium	Summer Beauty	Ornamental Onion	1 Quart	Container	18" O.C.	Main Entry Island
cn	8	Calamintha nepeta subsp. Nepeta		Calamint	1 Quart	Container	18" O.C.	Main Entry Island
co	8	Coreopsis verticillata	Zagreb	Threadleaf Coreopsis	1 Quart	Container	18" O.C.	Main Entry Island

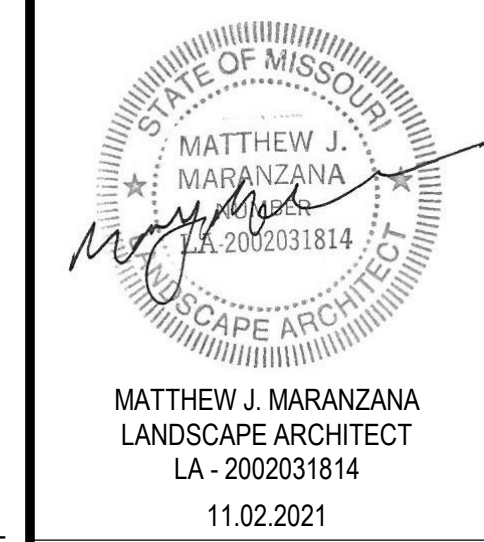
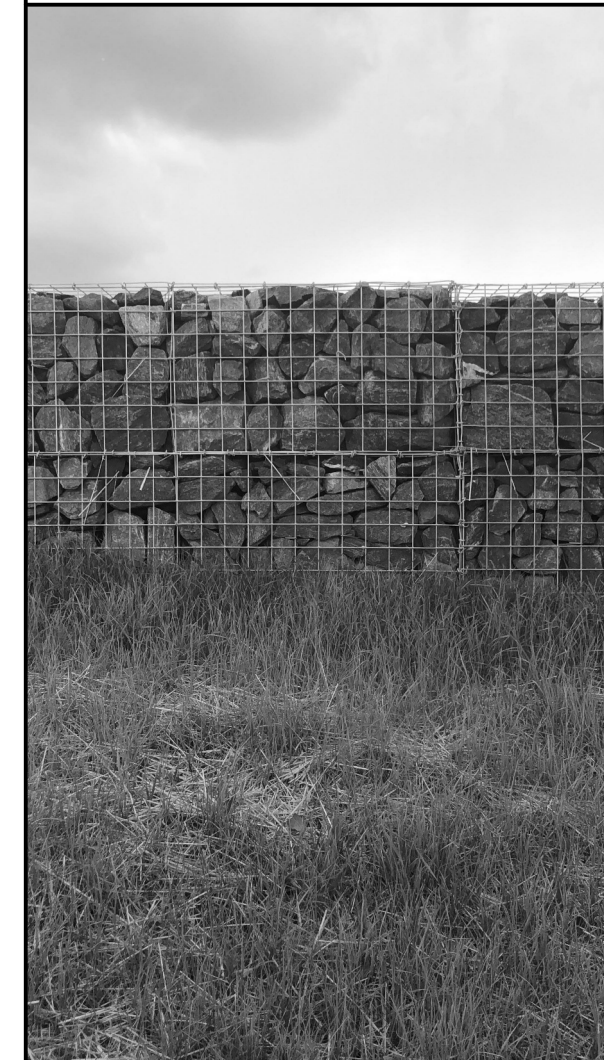
**BULBS**

Sym	Qty	Botanical Name	Cultivar	Common Name	Size	Method	Spacing	Comments
nar	12	Narcissus	King Alfred	Miniature Daffodil		Bulb	See Plan	Main Entry Island, 5" Planting Depth

**SEED MIXES**

S1 SAVANNA MIX		PLS OZ./Acre		PLS OZ./Acre	
9,884 SF					
<b>Grasses/Sedges</b>		<b>Forbs</b>			
Bouteloua curtipendula	Sideoats Grama	Eryngium yuccifolium	Rattlesnake Master	5.00	
Mesic Carex Mix	Sedge Mix	Helianthus scaberrimus	Sneezeweed	5.00	
Chasmodon latifolium	River Oats	Helianthus occidentalis	Western sunflower	2.00	
Schizachyrium scoparium	Little Bluestem	Lespedeza virginica	Slender Bush Clover	2.00	
xxx	Broomsedge	Liatris scariosa	Eastern Blazing Star	5.00	
		Monarda fistulosa	Wild Bergamot	2.50	
<b>Cover Crop</b>		Parthenium integrifolium	Wild Quinine	6.00	
Annual Rye	5lbs. / Acre	Pennisetum digitatum	Foxglove Beard Tongue	3.00	
Winter Wheat		Phlox paniculata	Meadow Phlox	3.00	
Fall Application	10 lbs. / Acre	Pycnanthemum tenuifolium	Slender Mountain Mint	3.00	
		Ratibida pinnata	Grayhead Coneflower	3.00	
<b>Forbs</b>		Rudbeckia hirta	Black-Eyed Susan	5.00	
Asclepias tuberosa	Butterfly Milkweed	Rudbeckia subtomentosa	Sweet Black-Eyed Susan	2.00	
Aster oblongifolius	Aromatic Aster	Silphium integrifolium	Rosin Weed	6.00	
Aster obovatus	Sky Blue Aster	Solidago nemoralis	Old-Field Goldenrod	1.25	
Baptisia alba	White Wild Indigo	Solidago rigida	Stiff Goldenrod	1.00	
Chamaecrista fasciculata	Partridge Pea	Tradescantia ohioensis	Common Spiderwort	6.00	
Coreopsis lanceolata	Sand Coreopsis	Verbesina helianthoides	Yellow Wingstem	3.00	
Coreopsis palmata	Prairie Coreopsis	Veronica spp.	Ironweed	3.25	
Coreopsis tinctoria	Plains Coreopsis	Veronicastrum virginicum	Culver's Root	1.25	
Dalys candida	White Prairie Clover	Ziza aurea	Golden Alexander	3.00	
Dalys purpurea	Purple Prairie Clover				
Echinacea purpurea	Purple Coneflower				

**PARKING LOT SITE RETAINING WALL**



MATTHEW J. MARAZZANA  
LANDSCAPE ARCHITECT  
LA - 2002031814  
11.02.2021

THE ART & SCIENCE OF BUILDING  
2199 INHERBELL BUSINESS CENTER DRIVE  
ST. LOUIS, MISSOURI 63114  
PH: 314.423.5100 F: 314.429.3137

Lamar Johnson  
Collaborative  
2199 INHERBELL BUSINESS CENTER DRIVE  
ST. LOUIS, MISSOURI 63114  
PH: 314.423.1010



**RNA DEVELOPMENT LABORATORY EXPANSION**  
875 West Chesterfield Parkway  
Chesterfield, MO 63017  
Project Status

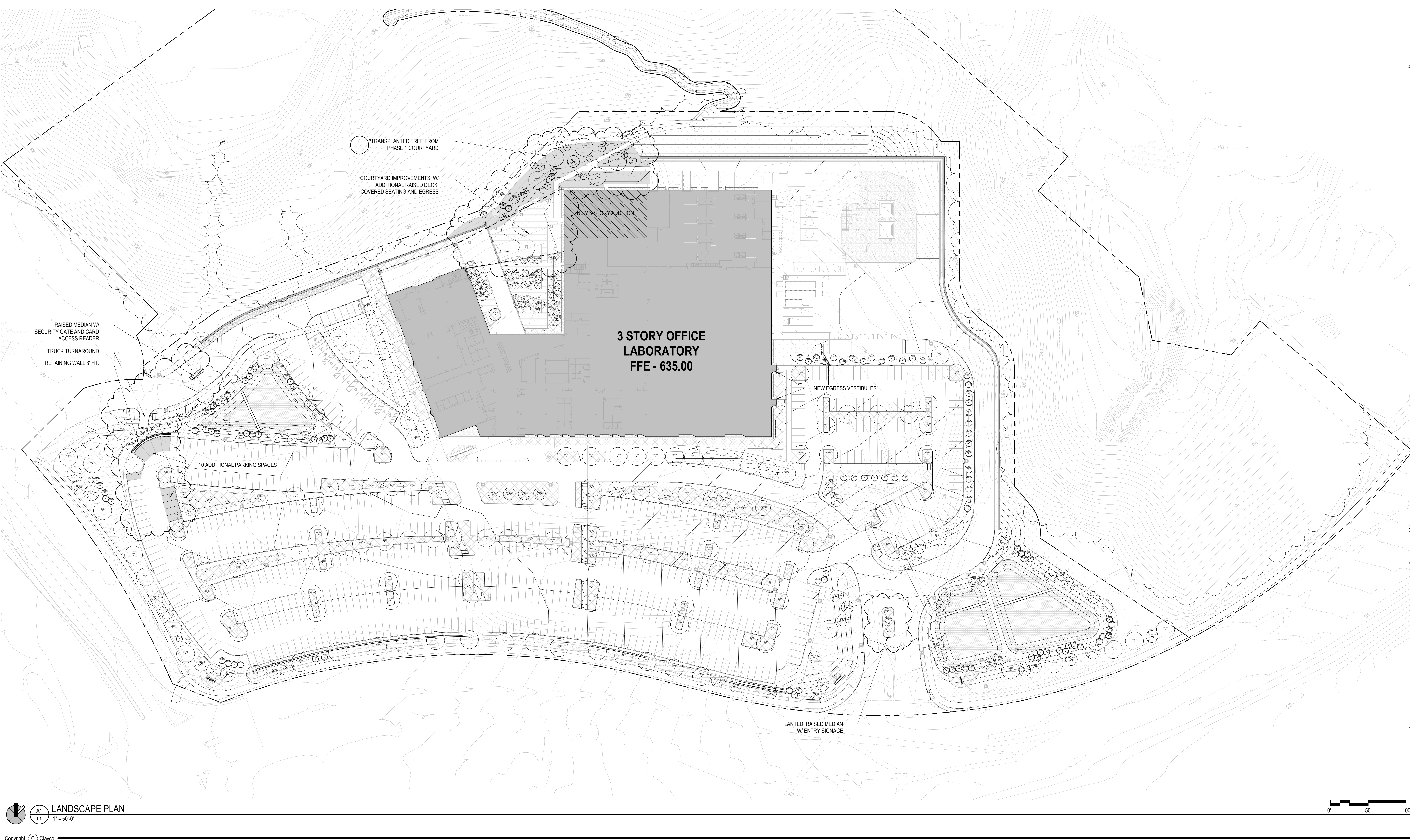
DESCRIPTION	DATE
ASDCP & ASDSP	09/23/2021
CITY COMMENTS	10/15/2021
CITY COMMENTS	11/02/2021

BUILDING MAP

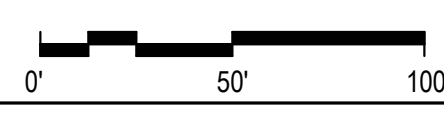
DRAWING TITLE  
LANDSCAPE PLAN & SCHEDULE

DRAWING NO.  
**L1**

Job # **LJC# 005815**



LANDSCAPE PLAN  
1" = 50'-0"



**ADDITIONAL SITE LIGHTING FIXTURES**

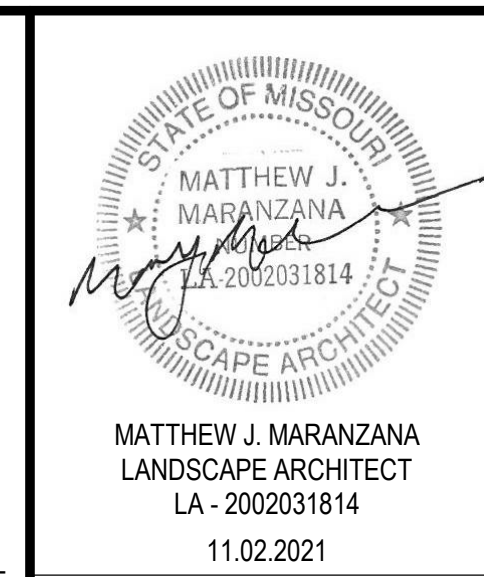
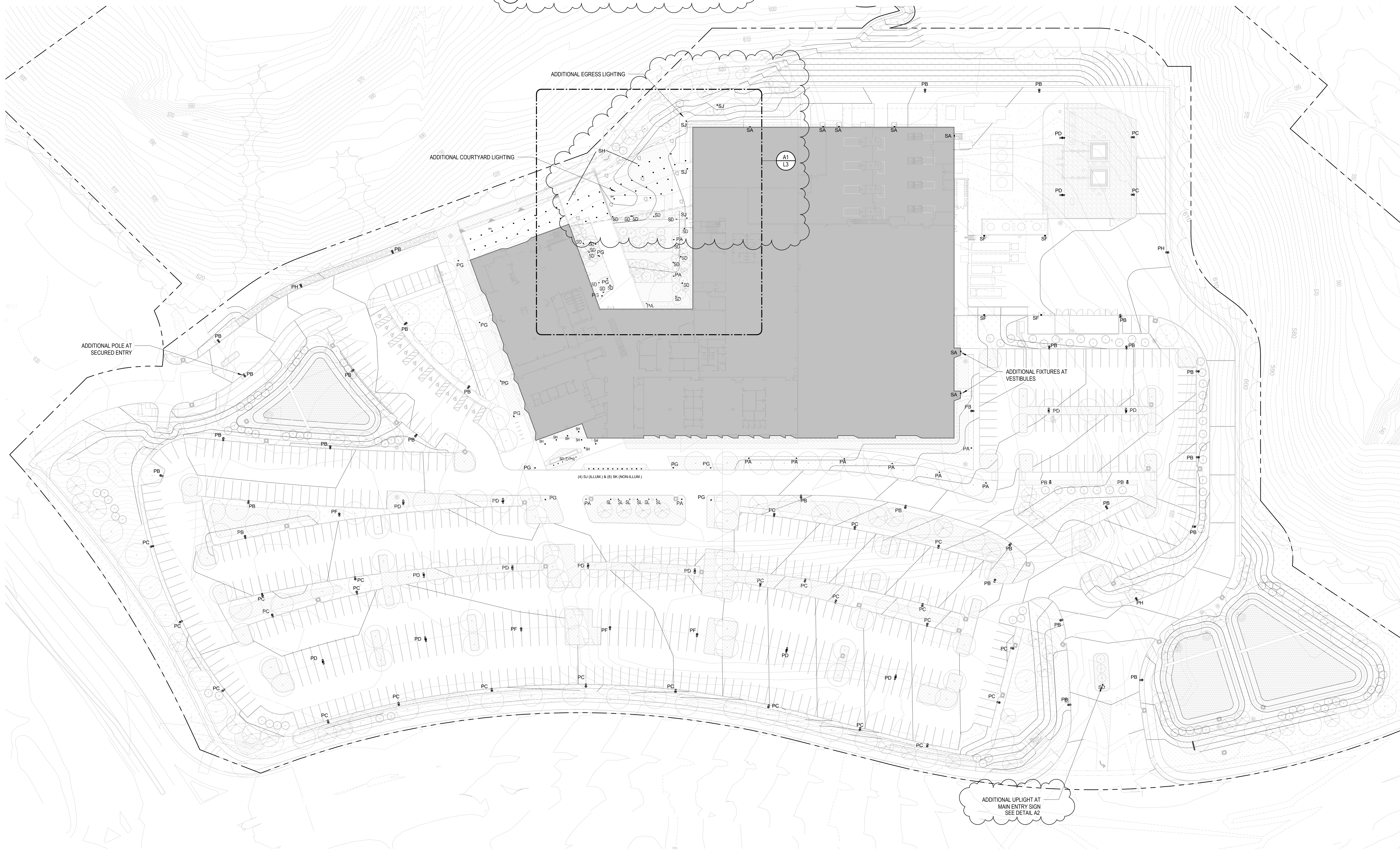
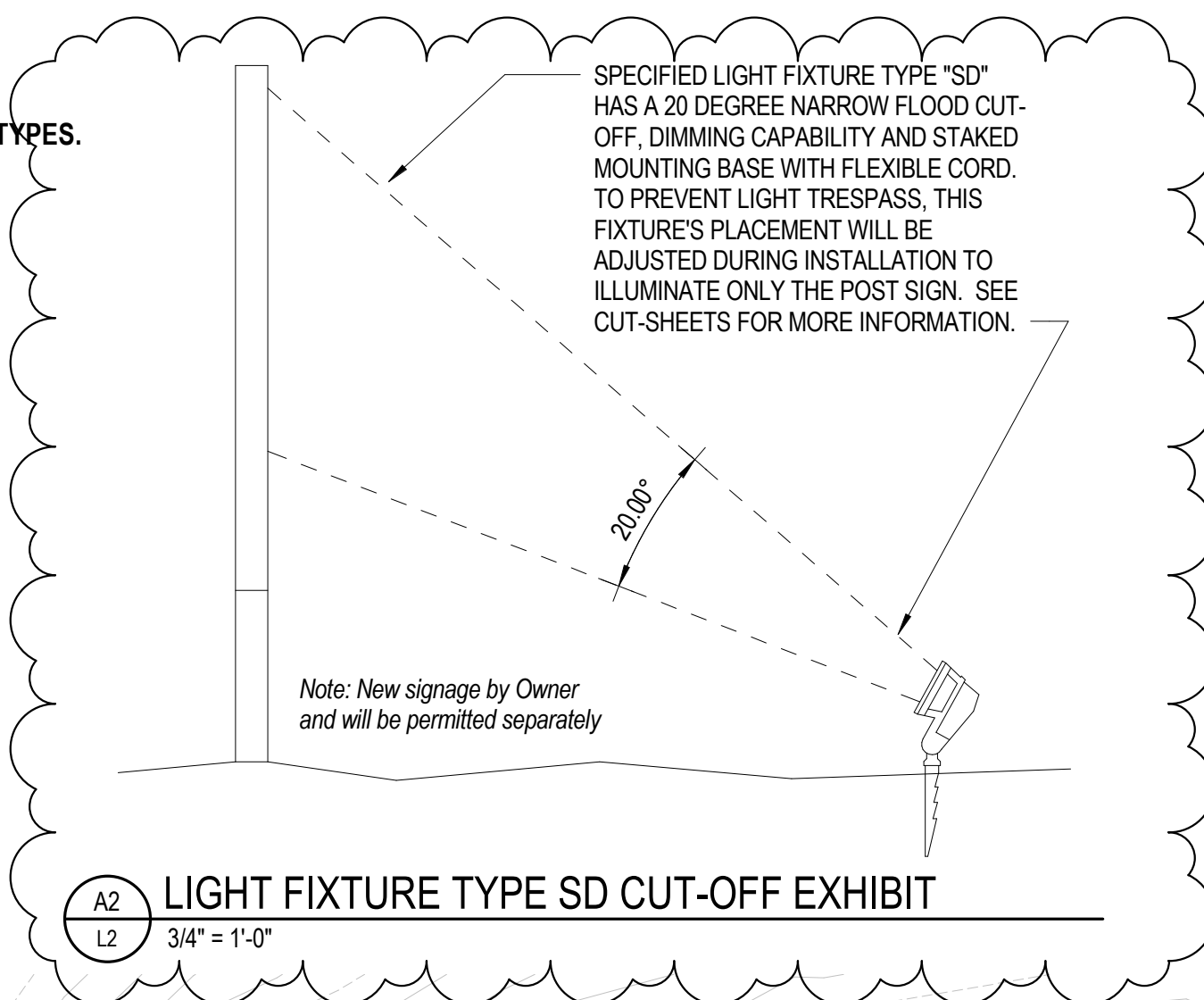
**PB (1)**



**SD (1)**



**NOTE:**  
ADDITIONAL FIXTURES ARE CONTINUATION OF PHASE 1 FIXTURE TYPES.



**CLAYCO**  
THE ART & SCIENCE OF BUILDING  
2109 INNERBELT BUSINESS CENTER DRIVE  
ST. LOUIS, MISSOURI 63114  
PH: 314.423.5100 F: 314.423.3137

**Lamar Johnson Collaborative**  
2109 INNERBELT BUSINESS CENTER DRIVE  
ST. LOUIS, MISSOURI 63114  
PH: 314.423.1010



**RNA DEVELOPMENT LABORATORY EXPANSION**  
875 West Chesterfield Parkway  
Chesterfield, MO 63017  
Project Status

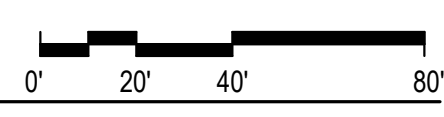
DRAWING ISSUE	
DESCRIPTION	DATE
ASDCP & ASDSP	09/23/2021
CITY COMMENTS	10/15/2021
CITY COMMENTS	11/02/2021

BUILDING MAP

DRAWING TITLE  
SITE LIGHTING LAYOUT PLAN

DRAWING NO.  
**L2**

Job # **LJC# 005815**



AN ORDINANCE REPEALING CITY OF CHESTERFIELD ORDINANCES 1858 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.) 188430237, 178110147, 188430260, 188440148, 188420085, 188521098, 188540149, 188540150 AND 188540138).

WHEREAS, in response to P.C. 141-79, the City of Chesterfield Village - Sacha Properties, Inc., St. Louis County 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 Sacha 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 Sacha 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, Reinsurance Group of America (ROA) has requested ordinance 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, including the portion to building height, density and amendment to the building groups on Parcels III and IV; and,

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

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 Committee.

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

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 (188430237, 178110147, 188430260, 188440148, 188420085, 188521098, 188540149, 188540150 and 188540138) and as described as follows:

Parcel 3: 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 734.55 feet to a point on the right of way line of Missouri State

Route 40 T.R.; thence along said right-of-way line the following courses and distances: North 5 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 33 degrees 07 minutes West 210.45 feet to the point of beginning and containing 20.00 acres.

Parcel 4: 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 Northwardly 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 37 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 662.29 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 a curve to the right whose radius point bears South 9 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 537.46 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 minutes 17 seconds West 324.51 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

Parcel 5: 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

degrees 30 minutes 21 seconds West 827.05 feet from the Northwest corner of said West County Acres Plat 2; thence North 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 49.30 feet to a point; thence North 18 degrees 58 minutes 27 seconds East 378.68 feet to a point; thence South 50 degrees 19 minutes 04 seconds West 53.28 feet to the point of beginning and containing 32.4 acres.

Parcel 8: 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 described as:

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 19 minutes 57 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 North 72 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 58 minutes 27 seconds West 378.50 feet from the last mentioned point, a distance of 114.07 feet to a distance of 114.07 feet to a point; thence North 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 acres.

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

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 49.30 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 31 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 North 30 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)

Section 2. The preliminary approval, pursuant to the City of Chesterfield 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 and as made part of.

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 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 1003.410 of the Zoning Ordinance of the City of Chesterfield.

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

Passed and approved this 19th day of September, 2012

ATTEST: Bruce Shigley MAYOR

First Reading Held: 09/05/2012

Section 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 through good planning practices and adhering to the preliminary plan revised August 24, 1978, and approved by the Planning Commission.

Section 2. 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. b. Project road rights-of-way. c. Approximate location of peripheral and primary internal roads. d. Parking and building setbacks. e. Off-street parking and loading ratios. f. 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.

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):

a. building groups A and B: offices, retail commercial, one (1) service station, restaurants, theaters and heliport, such uses not to exceed 480,000 gross square feet. Additionally, one (1) hotel with a maximum of 350 rooms with certain retail uses specifically accessory to the 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.

Parcel 1: 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 Northwardly 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 37 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 662.29 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 a curve to the right whose radius point bears South 9 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 537.46 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 minutes 17 seconds West 324.51 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

Parcel 2: A tract of land being part of U.S. Survey 123, 134, and 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 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 a 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 Southwardly along said Northwest line South 36 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 383.71 feet to a point; thence North 53 degrees 01 minutes 17 seconds West 324.51 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

Parcel 3: 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

degrees 30 minutes 21 seconds West 827.05 feet from the Northwest corner of said West County Acres Plat 2; thence North 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 49.30 feet to a point; thence North 18 degrees 58 minutes 27 seconds East 378.68 feet to a point; thence South 50 degrees 19 minutes 04 seconds West 53.28 feet to the point of beginning and containing 32.4 acres.

Parcel 8: 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 described as:

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 19 minutes 57 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 North 72 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 58 minutes 27 seconds West 378.50 feet from the last mentioned point, a distance of 114.07 feet to a distance of 114.07 feet to a point; thence North 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 acres.

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

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 49.30 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 31 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 North 30 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)

Section 2. The preliminary approval, pursuant to the City of Chesterfield 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 and as made part of.

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 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 1003.410 of the Zoning Ordinance of the City of Chesterfield.

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

Passed and approved this 19th day of September, 2012

ATTEST: Bruce Shigley MAYOR

First Reading Held: 09/05/2012

Section 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 through good planning practices and adhering to the preliminary plan revised August 24, 1978, and approved by the Planning Commission.

Section 2. 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. b. Project road rights-of-way. c. Approximate location of peripheral and primary internal roads. d. Parking and building setbacks. e. Off-street parking and loading ratios. f. 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.

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):

a. building groups A and B: offices, retail commercial, one (1) service station, restaurants, theaters and heliport, such uses not to exceed 480,000 gross square feet. Additionally, one (1) hotel with a maximum of 350 rooms with certain retail uses specifically accessory to the 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.

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.

Parcel 1: 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 Northwardly 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 37 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 662.29 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 a curve to the right whose radius point bears South 9 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 537.46 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 minutes 17 seconds West 324.51 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

Parcel 2: A tract of land being part of U.S. Survey 123, 134, and 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 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 a 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 Southwardly along said Northwest line South 36 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 383.71 feet to a point; thence North 53 degrees 01 minutes 17 seconds West 324.51 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

Parcel 3: A tract of land being part of U.S. Survey 123, 134, and 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 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 a curve to the left whose radius point bears





## DESCRIPTION

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.

Catalog #	GLEON-AF-02-LED-E1-T3-BZ-7 030-TH-LCF SSP17.5-4.0-11 -BRZ-DM10-BC (MCGRAW, KW)	Type	PB
Project			
Comments	Pfizer Chesterfield		
Prepared by			

## SPECIFICATION FEATURES

### Construction

Extruded aluminum driver enclosure thermally isolated from Light Squares for optimal thermal performance. Heavy-wall, die-cast 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 Wye 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

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.

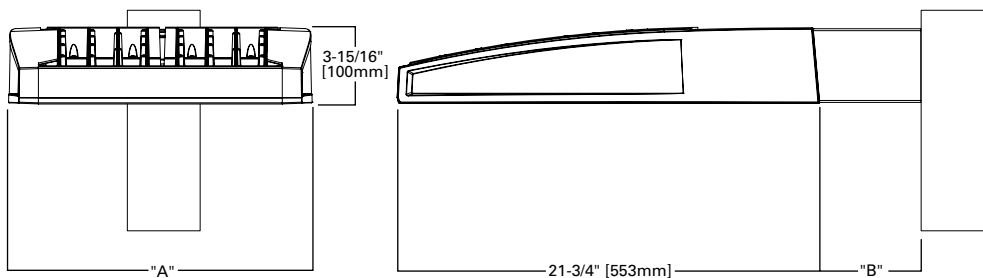


## GLEON GALLEON LED

1-10 Light Squares  
Solid State LED

AREA/SITE LUMINAIRE

## DIMENSIONS

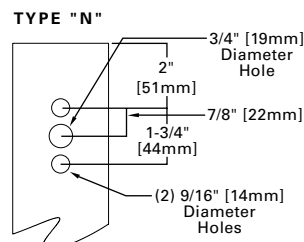


## DIMENSION DATA

Number of Light Squares	"A" Width	"B" Standard Arm Length	"B" Optional Arm Length <sup>1</sup>	Weight with Arm (lbs.)	EPA with Arm <sup>2</sup> (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

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.

## DRILLING PATTERN



## CERTIFICATION DATA

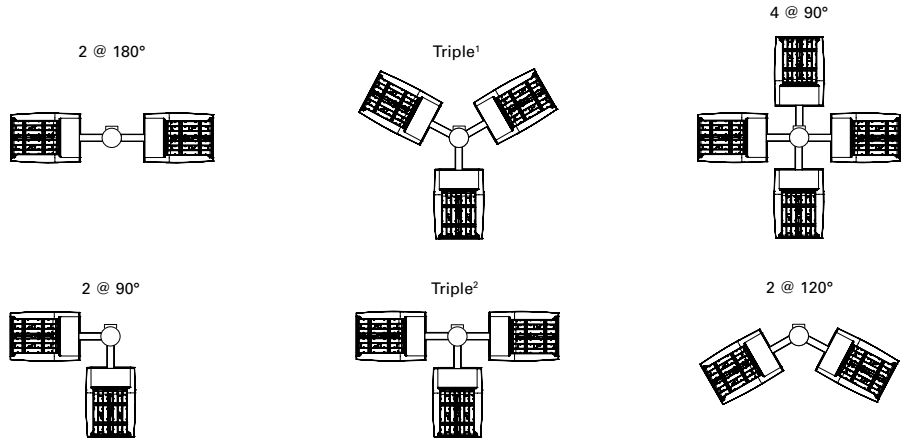
3G Vibration Rated  
DesignLights Consortium® Qualified\*  
Dark Sky Approved (3000K CCT and warmer only)  
IP66 Rated  
ISO 9001  
LM79 / LM80 Compliant  
UL/cUL Wet Location Listed

## 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)

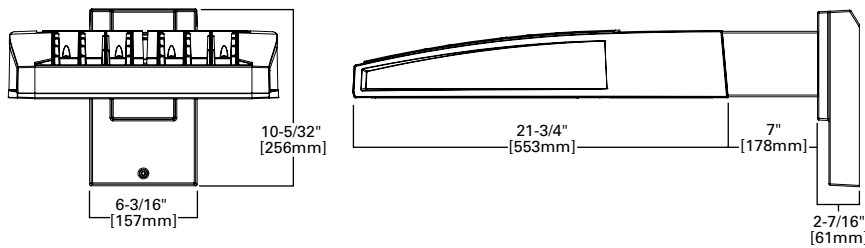
**ARM MOUNTING REQUIREMENTS**

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)

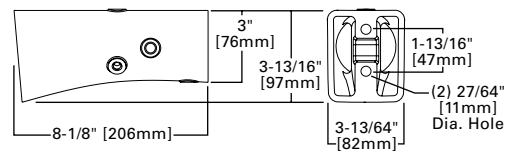


NOTES: 1 Round poles are 3 @ 120°. Square poles are 3 @ 90°. 2 Round poles are 3 @ 90°.

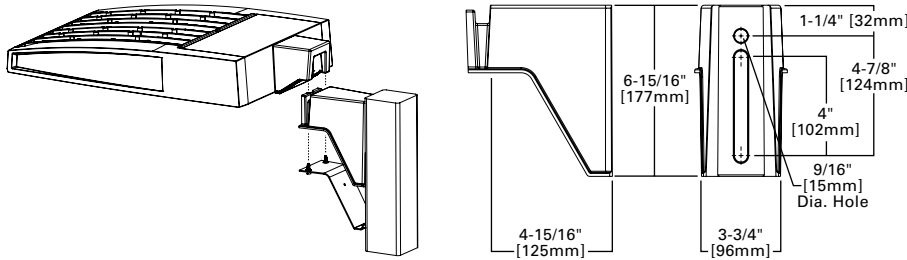
**STANDARD WALL MOUNT**



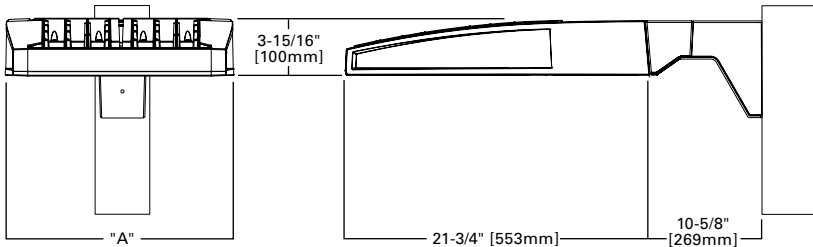
**MAST ARM MOUNT**



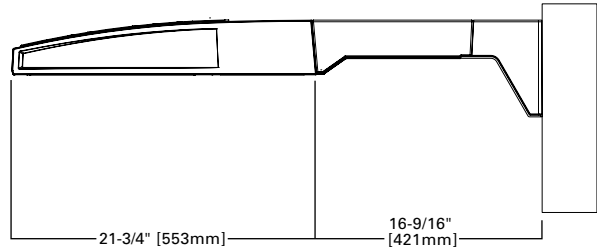
**QUICK MOUNT ARM (INCLUDES FIXTURE ADAPTER)**



**QM Quick Mount Arm (Standard)**



**QMEA Quick Mount Arm (Extended)**

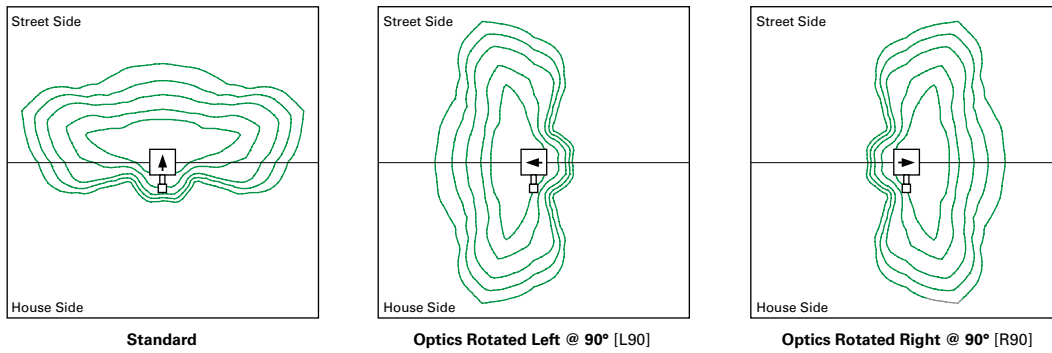


**QUICK MOUNT ARM DATA**

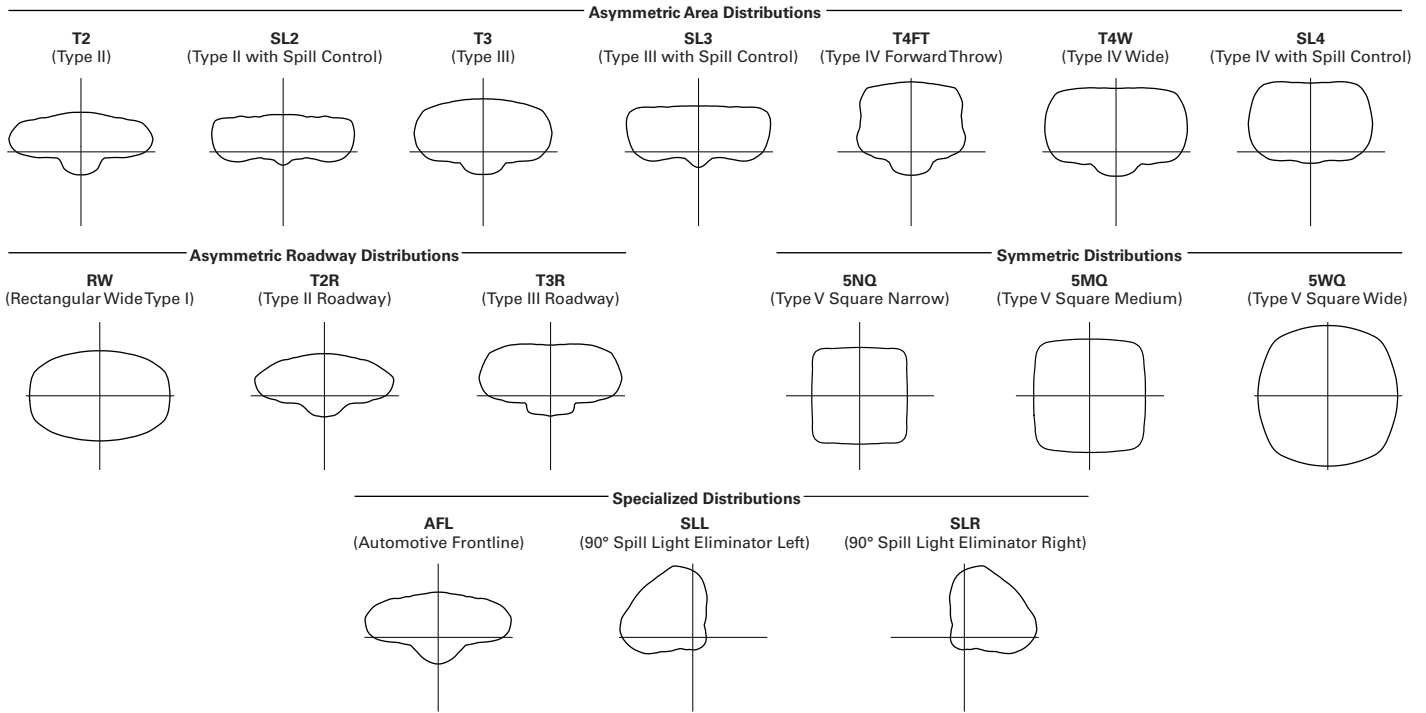
Number of Light Squares <sup>1,2</sup>	"A" Width	Weight with QM Arm (lbs.)	Weight with QMEA Arm (lbs.)	EPA (Sq. Ft.)
1-4	15-1/2" (394mm)	35 (15.91 kgs.)	38 (17.27 kgs.)	1.11
5-6 <sup>3</sup>	21-5/8" (549mm)	46 (20.91 kgs.)	49 (22.27 kgs.)	
7-8	27-5/8" (702mm)	56 (25.45 kgs.)	N/A	

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.

**OPTIC ORIENTATION**



**OPTICAL DISTRIBUTIONS**

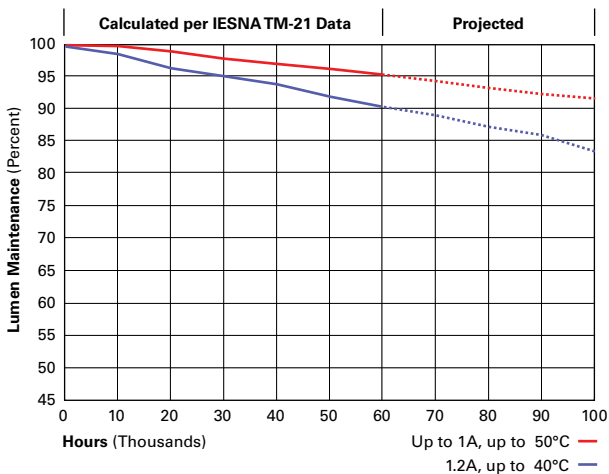


**LUMEN MAINTENANCE**

Drive Current	Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Projected L70 (Hours)
Up to 1A	Up to 50°C	> 95%	416,000
1.2A	Up to 40°C	> 90%	205,000

**LUMEN MULTIPLIER**

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97



**NOMINAL POWER LUMENS (1.2A)**

Number of Light Squares	1	2	3	4	5	6	7	8	9	10	
<b>Nominal Power (Watts)</b>	67	129	191	258	320	382	448	511	575	640	
<b>Input Current @ 120V (A)</b>	0.58	1.16	1.78	2.31	2.94	3.56	4.09	4.71	5.34	5.87	
<b>Input Current @ 208V (A)</b>	0.33	0.63	0.93	1.27	1.57	1.87	2.22	2.52	2.8	3.14	
<b>Input Current @ 240V (A)</b>	0.29	0.55	0.80	1.10	1.35	1.61	1.93	2.18	2.41	2.71	
<b>Input Current @ 277V (A)</b>	0.25	0.48	0.70	0.96	1.18	1.39	1.69	1.90	2.09	2.36	
<b>Input Current @ 347V (A)</b>	0.20	0.39	0.57	0.78	0.96	1.15	1.36	1.54	1.72	1.92	
<b>Input Current @ 480V (A)</b>	0.15	0.30	0.43	0.60	0.73	0.85	1.03	1.16	1.28	1.45	
<b>Optics</b>											
<b>T2</b>	4000K/5000K Lumens	6,863	13,412	20,011	26,441	32,761	39,205	46,364	52,534	58,601	64,880
	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
<b>T2R</b>	4000K/5000K Lumens	7,285	14,238	21,246	28,072	34,780	41,621	49,221	55,770	62,212	68,878
	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
<b>T3</b>	4000K/5000K Lumens	6,995	13,670	20,397	26,951	33,391	39,959	47,256	53,544	59,728	66,130
	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
<b>T3R</b>	4000K/5000K Lumens	7,150	13,973	20,850	27,549	34,134	40,846	48,307	54,734	61,056	67,598
	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
<b>T4FT</b>	4000K/5000K Lumens	7,036	13,748	20,515	27,107	33,586	40,191	47,530	53,854	60,074	66,512
	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
<b>T4W</b>	4000K/5000K Lumens	6,945	13,571	20,249	26,756	33,152	39,671	46,917	53,160	59,298	65,653
	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
<b>SL2</b>	4000K/5000K Lumens	6,851	13,388	19,977	26,396	32,704	39,137	46,283	52,444	58,498	64,768
	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
<b>SL3</b>	4000K/5000K Lumens	6,994	13,668	20,394	26,947	33,388	39,953	47,249	53,537	59,720	66,119
	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
<b>SL4</b>	4000K/5000K Lumens	6,645	12,986	19,378	25,603	31,723	37,962	44,893	50,868	56,743	62,824
	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
<b>5NQ</b>	4000K/5000K Lumens	7,214	14,097	21,036	27,795	34,437	41,210	48,734	55,220	61,597	68,199
	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
<b>5MQ</b>	4000K/5000K Lumens	7,347	14,356	21,423	28,306	35,071	41,969	49,632	56,237	62,730	69,454
	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
<b>5WQ</b>	4000K/5000K Lumens	7,366	14,396	21,480	28,381	35,164	42,080	49,765	56,386	62,898	69,639
	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
<b>SLL/SLR</b>	4000K/5000K Lumens	6,147	12,010	17,921	23,679	29,339	35,109	41,521	47,046	52,478	58,102
	3000K Lumens	5,811	11,355	16,944	22,388	27,739	33,194	39,256	44,479	49,617	54,933
	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	B3-U0-G5	B3-U0-G5
<b>RW</b>	4000K/5000K Lumens	7,149	13,970	20,846	27,543	34,126	40,837	48,295	54,722	61,042	67,582
	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
<b>AFL</b>	4000K/5000K Lumens	7,175	14,021	20,921	27,643	34,249	40,986	48,470	54,920	61,262	67,828
	3000K Lumens	6,784	13,256	19,780	26,136	32,381	38,750	45,827	51,925	57,922	64,129
	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)**

Number of Light Squares	1	2	3	4	5	6	7	8	9	10	
<b>Nominal Power (Watts)</b>	59	113	166	225	279	333	391	445	501	558	
<b>Input Current @ 120V (A)</b>	0.51	1.02	1.53	2.03	2.55	3.06	3.56	4.08	4.60	5.07	
<b>Input Current @ 208V (A)</b>	0.29	0.56	0.82	1.11	1.37	1.64	1.93	2.19	2.46	2.75	
<b>Input Current @ 240V (A)</b>	0.26	0.48	0.71	0.96	1.19	0.41	1.67	1.89	2.12	2.39	
<b>Input Current @ 277V (A)</b>	0.23	0.42	0.61	0.83	1.03	1.23	1.45	1.65	1.84	2.09	
<b>Input Current @ 347V (A)</b>	0.17	0.32	0.50	0.64	0.82	1.00	1.14	1.32	1.50	1.68	
<b>Input Current @ 480V (A)</b>	0.14	0.24	0.37	0.48	0.61	0.75	0.91	0.99	1.12	1.28	
<b>Optics</b>											
<b>T2</b>	4000K/5000K Lumens	6,256	12,225	18,242	24,104	29,865	35,739	42,265	47,888	53,420	59,144
	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
<b>T2R</b>	4000K/5000K Lumens	6,642	12,979	19,366	25,589	31,705	37,941	44,870	50,840	56,711	62,789
	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
<b>T3</b>	4000K/5000K Lumens	6,377	12,461	18,593	24,568	30,439	36,426	43,077	48,810	54,447	60,282
	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
<b>T3R</b>	4000K/5000K Lumens	6,518	12,739	19,006	25,113	31,116	37,235	44,036	49,895	55,658	61,622
	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
<b>T4FT</b>	4000K/5000K Lumens	6,414	12,533	18,702	24,710	30,616	36,637	43,328	49,093	54,763	60,631
	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
<b>T4W</b>	4000K/5000K Lumens	6,331	12,372	18,459	24,391	30,221	36,163	42,769	48,459	54,056	59,849
	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
<b>SL2</b>	4000K/5000K Lumens	6,245	12,205	18,212	24,062	29,813	35,677	42,192	47,807	53,326	59,042
	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
<b>SL3</b>	4000K/5000K Lumens	6,376	12,460	18,591	24,564	30,436	36,421	43,072	48,803	54,439	60,273
	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
<b>SL4</b>	4000K/5000K Lumens	6,058	11,838	17,664	23,340	28,918	34,605	40,924	46,370	51,727	57,269
	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
<b>5NQ</b>	4000K/5000K Lumens	6,577	12,851	19,176	25,336	31,392	37,566	44,426	50,337	56,151	62,170
	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
<b>5MQ</b>	4000K/5000K Lumens	6,697	13,088	19,528	25,803	31,970	38,258	45,243	51,264	57,185	63,313
	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
<b>5WQ</b>	4000K/5000K Lumens	6,715	13,122	19,580	25,871	32,055	38,360	45,365	51,401	57,337	63,482
	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
<b>SLL/SLR</b>	4000K/5000K Lumens	5,604	10,949	16,337	21,586	26,745	32,004	37,850	42,886	47,838	52,965
	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
<b>RW</b>	4000K/5000K Lumens	6,517	12,735	19,002	25,107	31,109	37,227	44,025	49,883	55,644	61,607
	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
<b>AFL</b>	4000K/5000K Lumens	6,541	12,781	19,072	25,199	31,221	37,362	44,185	50,065	55,846	61,831
	3000K Lumens	6,184	12,084	18,032	23,825	29,519	35,325	41,775	47,334	52,801	58,459
	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	B4-U0-G4	B4-U0-G4

\* Nominal data for 70 CRI.

**NOMINAL POWER LUMENS (800MA)**

Number of Light Squares	1	2	3	4	5	6	7	8	9	10	
<b>Nominal Power (Watts)</b>	44	85	124	171	210	249	295	334	374	419	
<b>Input Current @ 120V (A)</b>	0.39	0.77	1.13	1.54	1.90	2.26	2.67	3.03	3.39	3.80	
<b>Input Current @ 208V (A)</b>	0.22	0.44	0.62	0.88	1.06	1.24	1.50	1.68	1.87	2.12	
<b>Input Current @ 240V (A)</b>	0.19	0.38	0.54	0.76	0.92	1.08	1.30	1.46	1.62	1.84	
<b>Input Current @ 277V (A)</b>	0.17	0.36	0.47	0.72	0.83	0.95	1.19	1.31	1.42	1.67	
<b>Input Current @ 347V (A)</b>	0.15	0.24	0.38	0.49	0.63	0.77	0.87	1.01	1.15	1.52	
<b>Input Current @ 480V (A)</b>	0.11	0.18	0.29	0.37	0.48	0.59	0.66	0.77	0.88	0.96	
<b>Optics</b>											
<b>T2</b>	4000K/5000K Lumens	5,054	9,878	14,739	19,475	24,129	28,875	34,148	38,691	43,159	47,785
	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
<b>T2R</b>	4000K/5000K Lumens	5,366	10,486	15,647	20,675	25,616	30,654	36,252	41,076	45,819	50,730
	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
<b>T3</b>	4000K/5000K Lumens	5,153	10,068	15,022	19,849	24,593	29,430	34,805	39,436	43,990	48,705
	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
<b>T3R</b>	4000K/5000K Lumens	5,266	10,292	15,356	20,290	25,140	30,084	35,578	40,312	44,968	49,786
	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
<b>T4FT</b>	4000K/5000K Lumens	5,182	10,126	15,109	19,964	24,736	29,600	35,006	39,664	44,245	48,987
	3000K Lumens	4,899	9,574	14,285	18,876	23,387	27,986	33,097	37,501	41,832	46,315
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
<b>T4W</b>	4000K/5000K Lumens	5,115	9,995	14,914	19,706	24,417	29,218	34,554	39,152	43,674	48,354
	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
<b>SL2</b>	4000K/5000K Lumens	5,046	9,860	14,713	19,441	24,087	28,825	34,089	38,625	43,085	47,702
	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
<b>SL3</b>	4000K/5000K Lumens	5,152	10,067	15,020	19,846	24,591	29,426	34,800	39,431	43,984	48,698
	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
<b>SL4</b>	4000K/5000K Lumens	4,894	9,565	14,271	18,857	23,364	27,959	33,065	37,465	41,792	46,270
	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
<b>5NQ</b>	4000K/5000K Lumens	5,313	10,383	15,493	20,470	25,363	30,351	35,893	40,669	45,367	50,229
	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
<b>5MQ</b>	4000K/5000K Lumens	5,411	10,574	15,778	20,848	25,830	30,911	36,554	41,418	46,202	51,154
	3000K Lumens	5,117	9,997	14,917	19,710	24,421	29,225	34,561	39,160	43,682	48,364
	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
<b>5WQ</b>	4000K/5000K Lumens	5,426	10,603	15,820	20,903	25,899	30,992	36,652	41,529	46,325	51,290
	3000K Lumens	5,130	10,025	14,958	19,763	24,486	29,302	34,654	39,263	43,799	48,493
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
<b>SLL/SLR</b>	4000K/5000K Lumens	4,528	8,846	13,199	17,440	21,609	25,858	30,580	34,649	38,651	42,792
	3000K Lumens	4,281	8,364	12,480	16,489	20,430	24,448	28,912	32,759	36,543	40,459
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
<b>RW</b>	4000K/5000K Lumens	5,265	10,289	15,353	20,285	25,134	30,077	35,569	40,303	44,958	49,775
	3000K Lumens	4,978	9,727	14,516	19,179	23,763	28,437	33,629	38,105	42,506	47,060
	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-G4
<b>AFL</b>	4000K/5000K Lumens	5,285	10,327	15,409	20,360	25,225	30,186	35,699	40,450	45,120	49,956
	3000K Lumens	4,996	9,763	14,569	19,249	23,849	28,540	33,752	38,244	42,659	47,232
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3

\* Nominal data for 70 CRI.

**NOMINAL POWER LUMENS (600MA)**

Number of Light Squares	1	2	3	4	5	6	7	8	9	10	
<b>Nominal Power (Watts)</b>	34	66	96	129	162	193	226	257	290	323	
<b>Input Current @ 120V (A)</b>	0.30	0.58	0.86	1.16	1.44	1.73	2.03	2.33	2.59	2.89	
<b>Input Current @ 208V (A)</b>	0.17	0.34	0.49	0.65	0.84	0.99	1.14	1.30	1.48	1.63	
<b>Input Current @ 240V (A)</b>	0.15	0.30	0.43	0.56	0.74	0.87	1.00	1.13	1.30	1.43	
<b>Input Current @ 277V (A)</b>	0.14	0.28	0.41	0.52	0.69	0.81	0.93	1.04	1.22	1.33	
<b>Input Current @ 347V (A)</b>	0.11	0.19	0.30	0.39	0.49	0.60	0.69	0.77	0.90	0.99	
<b>Input Current @ 480V (A)</b>	0.08	0.15	0.24	0.30	0.38	0.48	0.53	0.59	0.71	0.77	
<b>Optics</b>											
<b>T2</b>	4000K/5000K Lumens	4,121	8,055	12,019	15,881	19,676	23,547	27,847	31,552	35,196	38,967
	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
<b>T2R</b>	4000K/5000K Lumens	4,376	8,552	12,760	16,860	20,890	24,998	29,563	33,497	37,365	41,369
	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
<b>T3</b>	4000K/5000K Lumens	4,201	8,210	12,251	16,187	20,055	23,999	28,383	32,159	35,873	39,718
	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
<b>T3R</b>	4000K/5000K Lumens	4,294	8,393	12,523	16,546	20,501	24,532	29,014	32,875	36,671	40,600
	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
<b>T4FT</b>	4000K/5000K Lumens	4,226	8,257	12,321	16,280	20,172	24,139	28,547	32,346	36,082	39,948
	3000K Lumens	3,996	7,807	11,649	15,392	19,071	22,822	26,990	30,582	34,114	37,770
	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
<b>T4W</b>	4000K/5000K Lumens	4,171	8,151	12,162	16,071	19,912	23,827	28,178	31,928	35,615	39,432
	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
<b>SL2</b>	4000K/5000K Lumens	4,114	8,041	11,998	15,854	19,643	23,506	27,799	31,498	35,135	38,901
	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
<b>SL3</b>	4000K/5000K Lumens	4,200	8,209	12,249	16,184	20,053	23,996	28,379	32,154	35,869	39,712
	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
<b>SL4</b>	4000K/5000K Lumens	3,992	7,799	11,638	15,378	19,053	22,801	26,964	30,552	34,081	37,733
	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
<b>5NQ</b>	4000K/5000K Lumens	4,333	8,467	12,634	16,694	20,683	24,751	29,271	33,166	36,996	40,961
	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
<b>5MQ</b>	4000K/5000K Lumens	4,413	8,622	12,867	17,000	21,064	25,207	29,810	33,777	37,677	41,715
	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
<b>5WQ</b>	4000K/5000K Lumens	4,424	8,646	12,900	17,046	21,120	25,274	29,890	33,866	37,778	41,826
	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
<b>SLL/SLR</b>	4000K/5000K Lumens	3,692	7,214	10,763	14,222	17,621	21,086	24,937	28,256	31,519	34,897
	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
<b>RW</b>	4000K/5000K Lumens	4,293	8,390	12,520	16,542	20,496	24,527	29,007	32,866	36,662	40,591
	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
<b>AFL</b>	4000K/5000K Lumens	4,310	8,421	12,566	16,602	20,571	24,616	29,112	32,986	36,795	40,738
	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.

**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.

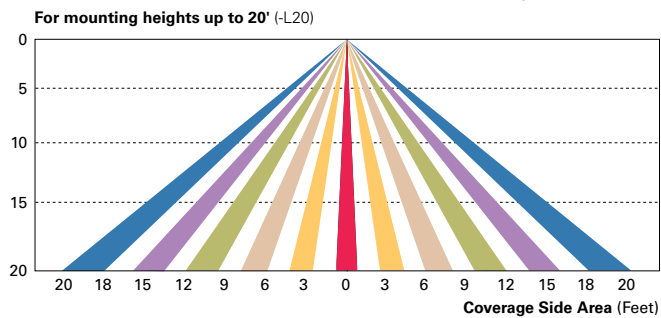
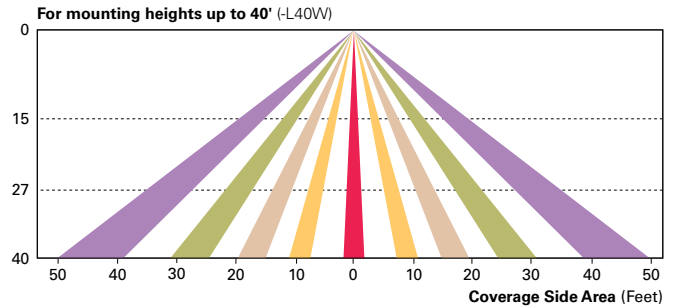
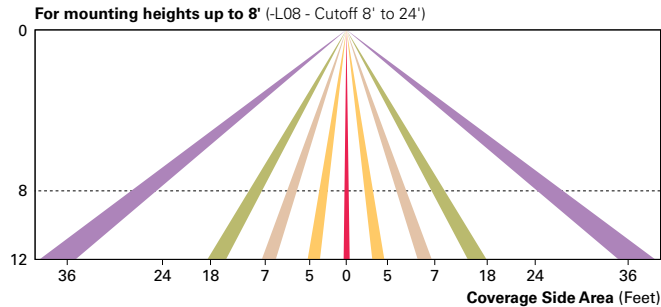
**After Hours Dim (AHD)**

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)**

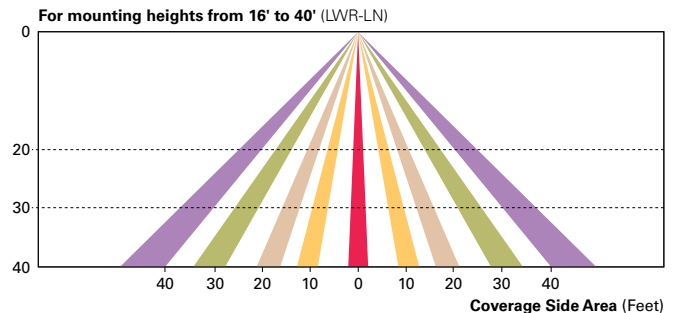
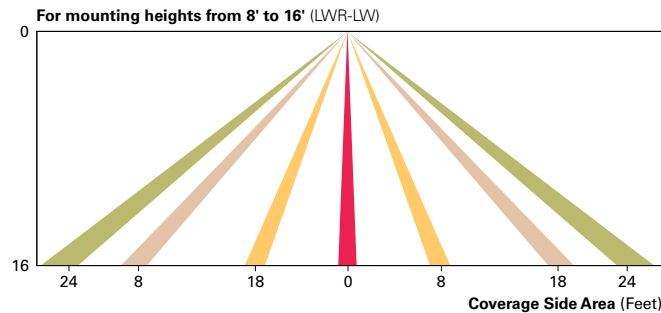
These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The 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](http://www.synapsewireless.com) for product support, warranty and terms and conditions.




**ORDERING INFORMATION**

Sample Number: GLEON-AF-04-LED-E1-T3-GM-QM

Product Family <sup>1,2</sup>	Light Engine	Number of Light Squares <sup>3</sup>	Lamp Type	Voltage	Distribution	Color	Mounting
GLEON=Galleon	AF=1A Drive Current	01=1 02=2 03=3 04=4 05=5 <sup>4</sup> 06=6 07=7 <sup>5</sup> 08=8 <sup>5</sup> 09=9 <sup>6</sup> 10=10 <sup>6</sup>	LED=Solid State Light Emitting Diodes	E1=120-277V 347=347V <sup>7</sup> 480=480V <sup>2,8</sup>	T2=Type II T2R=Type II Roadway T3=Type III T3R=Type III Roadway T4FT=Type IV Forward Throw T4W=Type IV Wide 5N0=Type V Narrow 5MQ=Type V Square Medium 5WQ=Type V Square Wide SL2=Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control SLL=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right RW=Rectangular Wide Type I AFL=Automotive Frontline	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White	[Blank]=Arm for Round or Square Pole EA=Extended Arm <sup>9</sup> MA=Mast Arm Adapter <sup>10</sup> WM=Wall Mount QM=Quick Mount Arm (Standard Length) <sup>11</sup> QMEA=Quick Mount Arm (Extended Length) <sup>12</sup>
<b>Options (Add as Suffix)</b>						<b>Accessories (Order Separately)</b>	
<p>7027=70 CRI 2700K <sup>13</sup> 7030=70 CRI 3000K <sup>13</sup> 8030=80 CRI 3000K <sup>13</sup> 7050=70 CRI 5000K <sup>13</sup> 7060=70 CRI 6000K <sup>13</sup> AMB=Amber, 590nm <sup>16,35</sup> 600=Drive Current Set to Nominal 600mA <sup>15</sup> 800=Drive Current Set to Nominal 800mA <sup>15</sup> 1200=Drive Current Set to Nominal 1200mA <sup>15,16</sup> F=Single Fuse (120, 207 or 347V. Specify Voltage) FF=Double Fuse (208, 240 or 480V. Specify Voltage) 2L=Two Circuits <sup>17,18</sup> DIM=External 0-10V Dimming Leads <sup>19,20</sup> DIM10=Synapse Integrated Control Module <sup>14,19</sup> AHD145=After Hours Dim, 5 Hours <sup>22</sup> AHD245=After Hours Dim, 6 Hours <sup>22</sup> AHD255=After Hours Dim, 7 Hours <sup>22</sup> AHD355=After Hours Dim, 8 Hours <sup>22</sup> HA=50°C High Ambient <sup>23</sup> L90=Optics Rotated 90° Left R90=Optics Rotated 90° Right MT=Installed Mesh Top TH=Tool-less Door Hardware HSS=Installed House Side Shield <sup>28</sup> CE=CE Marking <sup>29</sup> LCF=Light Square Trim Painted to Match Housing <sup>27</sup> P=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage) <sup>21</sup> PER7=NEMA 7-PIN Photocontrol Receptacle <sup>21</sup> R=NEMA Photocontrol Receptacle <sup>21</sup></p>						<p>MS/L08=Motion Sensor for ON/OFF Operation, Maximum 8' Mounting Height <sup>24</sup> MS/L20=Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height <sup>24</sup> MS/L40W=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height <sup>24</sup> MS/DIM/L08= Motion Sensor for Dimming Operation, Maximum 8' Mounting Height <sup>24</sup> MS/DIM/L20= Motion Sensor for Dimming Operation, 9' - 20' Mounting Height <sup>24</sup> MS/DIM/L40W=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height <sup>24</sup> MS/X/L08=Bi-Level Motion Sensor, Maximum 8' Mounting Height <sup>24,25</sup> MS/X/L20=Bi-Level Motion Sensor, 9' - 20' Mounting Height <sup>24,25</sup> MS/X/L40W=Bi-Level Motion Sensor, 21' - 40' Mounting Height <sup>24,25</sup> LWR/LW=Enlightened Wireless Sensor, Wide Lens for 8' - 16' Mounting Height <sup>26</sup> LWR/LN=Enlightened Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height <sup>26</sup> ZW=WaveLinx-enabled Module and 4-PIN Receptacle <sup>19,33</sup> ZD=WaveLinx-enabled Module with DALI driver and 4-PIN Receptacle <sup>19,33</sup> SWPD4XX=WaveLinx Sensor Only, 7'-15' <sup>32,34</sup> SWPD5XX=WaveLinx Sensor Only, 15'-40' <sup>32,34</sup> WOBXX=WaveLinx Sensor with Bluetooth, 7'-15' <sup>32,34</sup> WOFXX=WaveLinx Sensor with Bluetooth, 15'-40' <sup>32,34</sup> GRSBK=Glare Reducing Shield, Black <sup>36</sup> GRSWH=Glare Reducing Shield, White <sup>36</sup></p>	
<p>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 www.designlights.org Qualified Products List under Family Models for details. 3 Standard 4000K CCT and minimum 70 CRI. 4 Not compatible with MS/4-LXX or MS/1-LXX sensors. 5 Not compatible with extended quick mount arm (QMEA). 6 Not compatible with standard quick mount arm (QM) or extended 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 1A. 8 Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems). 9 May be required when two or more luminaires are oriented on a 90° or 120° drilling pattern. Refer to arm mounting requirement table. 10 Factory installed. 11 Maximum 8 light squares. 12 Maximum 6 light squares. 13 Extended lead times apply. Use dedicated IES files for 2700K, 3000K, 5000K and 6000K when performing layouts. 14 Available in 800mA only. 15 1 Amp standard. Use dedicated IES files for 600mA, 800mA and 1200mA when performing layouts. 16 Not available with HA option. 17 2L is not available with MS, MS/X or MS/DIM at 347V or 480V. 2L 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 two or more fixtures per pole at 90° or 120°. Refer to arm mounting requirement table. 18 Not available with Enlightened wireless sensors. 19 Cannot be used with other control options. 20 Low voltage control lead brought out 18" outside fixture. 21 Not available if any "MS" sensor is selected. Motion sensor has an integral photocell. 22 Requires the use of P photocontrol or the PER7 or R photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information. 23 50°C lumen maintenance data applies to 600mA, 800mA and 1A drive currents. 24 The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Cooper Lighting Solutions for more information. 25 Replace X with number of Light Squares operating in low output mode. 26 Enlightened wireless sensors are factory installed only requiring network components LWP-EM-1, LWP-GW-1 and LWP-PoE8 in appropriate quantities. See www.cooperlighting.com/lighting for Enlightened application information. 27 Not available with house side shield (HSS). 28 Only for use with SL2, SL3, SL4 and AFL distributions. The Light Square trim plate is painted black when the HSS option is selected. 29 CE is not available with the LWR, MS, MS/X, MS/DIM, P, R or PER7 options. Available in 120-277V only. 30 One required for each Light Square. 31 Requires PER7. 32 Requires ZW or ZD receptacle. 33 WAC Gateway required to enable field-configurability: Order WAC-PoE and WPOE-120 (10V to PoE injector) power supply if needed. 34 Replace XX with sensor color (WH, BZ or BK.) 35 Narrow-band 590nm +/-5nm for wildlife and observatory use. Supplied at 500mA drive current only. Available with 5WQ, 5MQ, SL2, SL3 and SL4 distributions. Can be used with HSS option. 36 Not for use with T4FT, T4W or SL4 optics. See IES files for details.</p>						<p>OA/RA1016=NEMA Photocontrol Multi-Tap - 105-285V OA/RA1027=NEMA Photocontrol - 480V OA/RA1201=NEMA Photocontrol - 347V OA/RA1013=Photocontrol Shorting Cap OA/RA1014=120V Photocontrol MA1252=10kV Surge Module Replacement MA1036-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon MA1037-XX=2@180° Tenon Adapter for 2-3/8" O.D. Tenon MA1197-XX=3@120° Tenon Adapter for 2-3/8" O.D. Tenon MA1188-XX=4@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1189-XX=2@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1190-XX=3@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1191-XX=2@120° Tenon Adapter for 2-3/8" O.D. Tenon MA1038-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon MA1039-XX=2@180° Tenon Adapter for 3-1/2" O.D. Tenon MA1192-XX=3@120° Tenon Adapter for 3-1/2" O.D. Tenon MA1193-XX=4@90° Tenon Adapter for 3-1/2" O.D. Tenon MA1194-XX=2@90° Tenon Adapter for 3-1/2" O.D. Tenon MA1195-XX=3@90° Tenon Adapter for 3-1/2" O.D. Tenon FSIR-100=Wireless Configuration Tool for Occupancy Sensor <sup>24</sup> GLEON-MT1=Field Installed Mesh Top for 1-4 Light Squares GLEON-MT2=Field Installed Mesh Top for 5-6 Light Squares GLEON-MT3=Field Installed Mesh Top for 7-8 Light Squares GLEON-MT4=Field Installed Mesh Top for 9-10 Light Squares GLEON-QM=Quick Mount Arm Kit <sup>11</sup> GLEON-QMEA=Quick Mount Extended Arm Kit <sup>12</sup> LS/HSS=Field Installed House Side Shield <sup>28,30</sup> WOLC-7P-10A=WaveLinx Outdoor Control Module <sup>19,31</sup> SWPD4-XX=WaveLinx Wireless Sensor, 7' - 15' Mounting Height <sup>19,32,33,34</sup> SWPD5-XX=WaveLinx Wireless Sensor, 15' - 40' Mounting Height <sup>19,32,33,34</sup></p>	

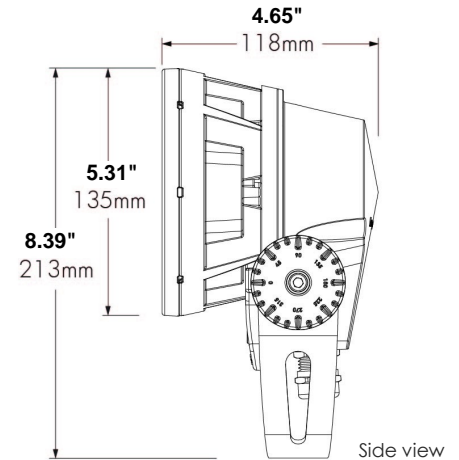
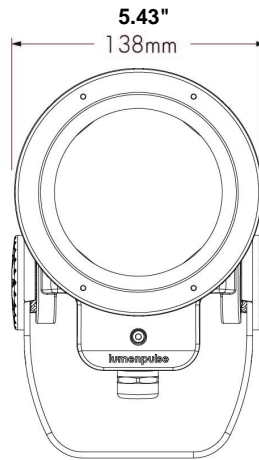
**LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)**

Product Family	Camera Type	Data Backhaul
L=LumenSafe Technology* 	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.



Project Name **Pfizer Chesterfield** Qty \_\_\_\_\_  
 Type **SD** Catalog / Part Number **LBS-XXX-30K-NF-BK-DIM-SK-3FT**  
**LBS-VS-BK-BK**



**Photometric summary**

**Symmetric**

	Delivered output (lm)	Intensity (peak cd)
XN (4°)	1031	75,454
VN (6°)	824	43,590
NS (10°)	1290	18,876
<b>NF (20°)</b>	<b>1125</b>	<b>11,338</b>
M (30°)	1179	6532
FL (40°)	1057	2691
WFL (60°)	888	693

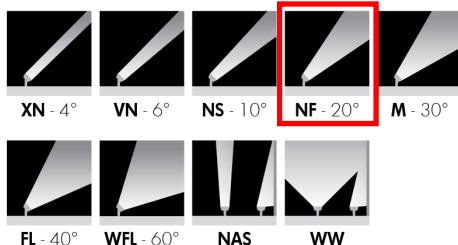
**Asymmetric**

	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.

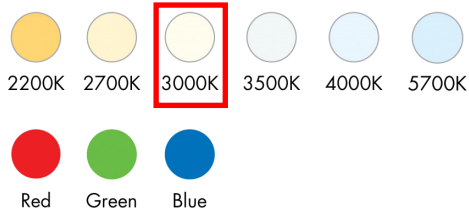
**Features**

<b>Colour and Colour Temperature</b>	2200K, 2700K, 3000K, 3500K, 4000K, 5700K, Red, Green, Blue
<b>Optics (nominal distribution)</b>	XN (4°), VN (6°), NS (10°), NF (20°), M (30°), FL (40°), WFL (60°), NAS (Narrow Asymmetric), WW (Asymmetric Wallwash)
<b>Optical Option</b>	Linear spread lens horizontal distribution, Linear spread lens vertical distribution
<b>Mounting Option</b>	Stake Mounting, Knuckle Mounting, Canopy mounting option (for mounting on a standard round junction box)
<b>Options</b>	3G ANSI C136.31-2010 Vibration Rating for bridge applications, Corrosion-resistant coating for hostile environments
<b>Cable Colour</b>	Black, White
<b>Power Consumption</b>	12.5W
<b>Warranty</b>	5-year limited warranty

**Performance**

<b>Maximum Delivered Output</b>	1280lm (4000k, NS 10°)
<b>Maximum Delivered Intensity</b>	76,352 cd at nadir (4000K, XN 4°)
<b>Illuminance at Distance</b>	Minimum 1 fc at 84.1 m (4000K, XN 4°)
<b>Colour Consistency</b>	3 SDCM
<b>Colour Rendering</b>	Minimum CRI 80
<b>Lumen Maintenance</b>	L70 > 250,000 hrs (Ta 25 °C) (> 80,000 hrs for XN 4°, VN 6°, NAS optics only)

**Colours and Colour Temperatures**



**Controls**

ON/OFF 0-10V DALI DMXrdm

**Ratings**

IP66 IK07

**Certifications**



**Physical**

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

**Electrical and control**

<b>Voltage</b>	100 to 277 volts
<b>Fixture Cable</b>	Power and data in one cable
<b>Conductors</b>	3C #16-3 (NO control), 5C #16-5 (DIM, DALI control), 6C #14-3/#24-3 (DMX/RDM control)
<b>Control</b>	On/Off control, 0-10V dimming, DALI dimming, DMX/RDM enabled, Lumentalk system is enabled with LDB accessory - see typical wiring diagrams for details
<b>Resolution (DMX/RDM)</b>	Per fixture, 8-bit or 16-bit

**Environmental**

<b>Storage Temperature</b>	-40 °C to 70 °C (device must reach start-up temperature value before operating)
<b>Start-up Temperature</b>	-25 °C to 50 °C
<b>Operating Temperature</b>	-40 °C to 50 °C
<b>Ingress Protection Rating</b>	IP66, Wet location rated
<b>Impact Resistance Rating</b>	IK07

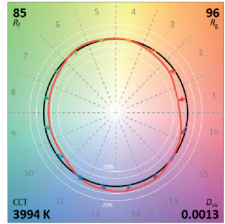
**Accessories (order separately)**

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

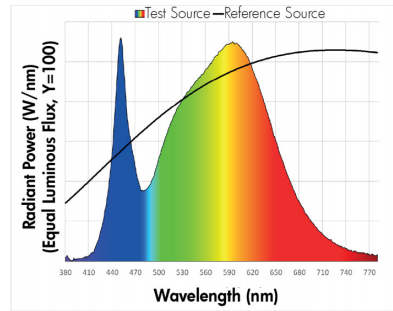
**Chromaticity Data**

TM-30 - 4000K

CCT	CIE		TM-30	
4000K	R <sub>a</sub>	83	85	R <sub>f</sub>
	R <sub>g</sub>	1.4	96	R <sub>g</sub>

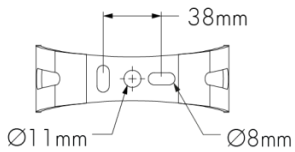


**Spectral Power Distribution**

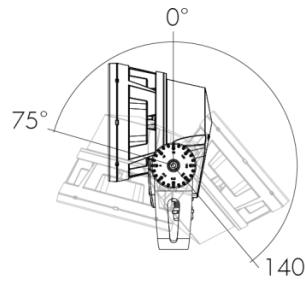


**Mounting details**

Mounting hole pattern - standard yoke

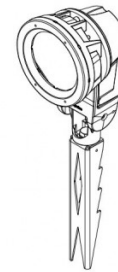
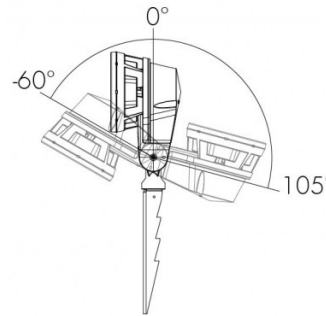
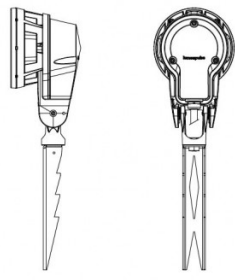
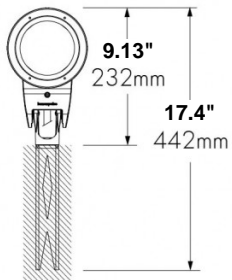


Adjustable pivot limits (adjustable in 6 degree increments)



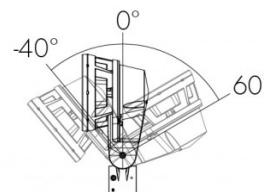
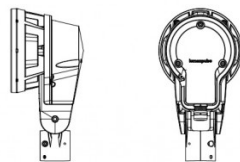
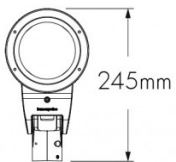
**Mounting options**

**SK - Stake mounting**



Adjustable pivot limits

**KN - Knuckle mounting**

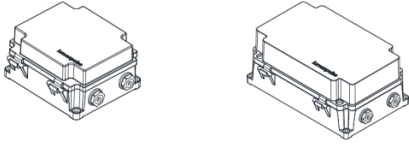


Adjustable pivot limits

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

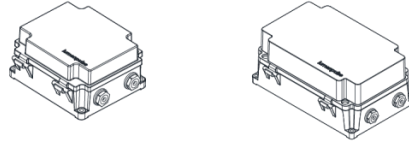
## Control boxes (order separately)

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



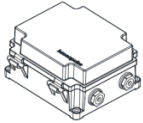
DMX/RDM control box. Up to six power and data outputs to fixtures or fixture runs. Consult CBX specification sheet and installation instructions for details. Lumenterminators provided with CBX (2x for daisy chain configuration, 6x for star configuration), consult factory to order spares.

### 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.

### LDB - Lumentalk Data Bridge



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

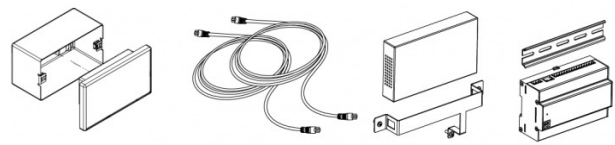
## Control systems (order separately)

### 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.

**How to order**

Housing	Voltage	Colour and Colour Temperature <sup>(1)</sup>	Optics	Optical Option <sup>(5) (8)</sup>	Finish	Control <sup>(12) (13)</sup>	Mounting Option <sup>(16)</sup>	Options	Certification	Cable Length <sup>(15) (22)</sup>	Cable Colour
LBS Lumenbeam™ Small	100 100 volts	22K 2200K	XN Extra Narrow 4° <sup>(4)</sup>	LSLH Linear spread lens horizontal distribution <sup>(4)</sup> <sup>(7)</sup>	BK Black Sandtex®	NO On/Off control	SK Stake Mounting	3GV 3G ANSI C136.31-2010 Vibration Rating for bridge applications <sup>(17)</sup>  CRC Corrosion- resistant coating for hostile environments <sup>(18) (19)</sup>	UL UL compliant  CE CE compliant <sup>(20) (21)</sup>  CEII CE compliant Class II double insulated <sup>(20)</sup>	3FT 0.9 m <sup>(15) (22)</sup>	BK Black
	120 120 volts	27K 2700K	VN Very Narrow 6° <sup>(4)</sup>	LSLV Linear spread lens vertical distribution <sup>(4)</sup> <sup>(7)</sup>	BRZ Bronze Sandtex®	DIM 0-10V dimming	KN Knuckle Mounting			10FT 3 m	WH White <sup>(23)</sup>
	208 208 volts	30K 3000K	NS Narrow Spot 10° <sup>(4)</sup>		SI Silver Sandtex®	DALI DALI dimming	CN Canopy mounting option			20FT 6.1 m	
	220 220 volts	35K 3500K	NF Narrow Flood 20° <sup>(4)</sup>		WH Smooth white	DMX/RDM DMX/RDM enabled <sup>(14)</sup> <sup>(15)</sup>				30FT 9.1 m	
	240 240 volts	40K 4000K	M Medium 30° <sup>(4)</sup>		BKTX Textured black					50FT 15.2 m	
	277 277 volts	57K 5700K	FL Flood 40° <sup>(4)</sup>		BRZTX Textured bronze non- metallic					70FT 21.3 m	
		RD Red <sup>(2) (3)</sup>	WFL WF 60° <sup>(4)</sup>		GRATX Textured medium grey					100FT 30.5 m	
		GR Green <sup>(2) (3)</sup>	NAS Narrow Asymmetric <sup>(4)</sup>		GRNTX Textured green						
	BL Blue <sup>(2) (3)</sup>	WW Asymmetric Wallwash <sup>(4)</sup>		WHTX Textured white							
				CC Custom colour and finish (please specify RAL colour) <sup>(9) (10)</sup> <sup>(11)</sup>							

**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.
5. Optical options are factory installed and cannot be changed in the field.
6. 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 (LIDL1) 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.

Project	Pfizer Chesterfield	Catalog #	LD6B30D010 EU6B30408030 6LBS2LI HB26	Type	SH
Prepared by		Notes		Date	



## 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



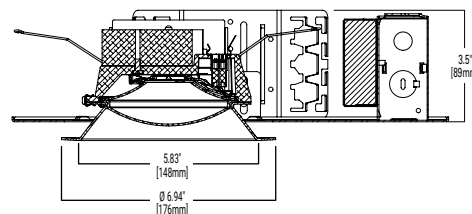
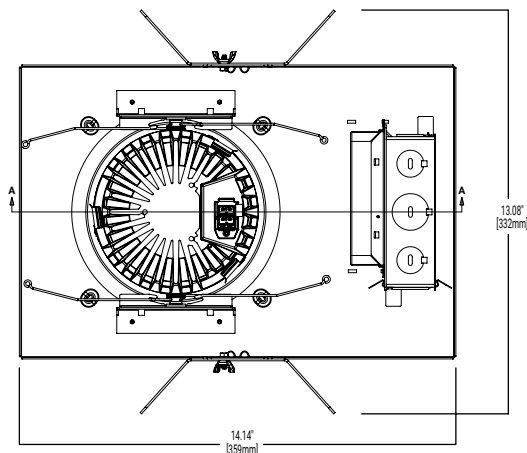
#### Product Features



#### 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



## Order Information

SAMPLE ORDER NUMBER: **LDS6B10D010-EU6B102027-6LBS1MW**

Housing	Lumens	Driver
<b>LDS6B</b> = 6" Downlight 6" nominal aperture <b>LDS6BCP</b> = 6" Downlight 6" nominal aperture, Chicago Plenum	<b>05</b> = 500 Lumens <sup>(10)</sup> <b>10</b> = 1000 Lumens <b>15</b> = 1500 Lumens <b>20</b> = 2000 Lumens <b>30</b> = 3000 Lumens	<b>D010</b> = 0-10V Dimming, 1% to 100%, 120V-277V <b>D010TK</b> = 0-10V or Line Voltage Dimming, 3% to 100%, 120V-277V <b>DE010</b> = 0-10V Linear Dimming, 0% to 100%, 120V-277V <b>DSL</b> = Fifth Light® DALI DT6 Logarithmic Dimming, 0% to 100%, 120V-277V <b>DMX</b> = DMX/RDM Logarithmic Dimming, 0% to 100%, 120V-277V <sup>(6)</sup> <b>DMXCS</b> = DMX/RDM Logarithmic Dimming, 0% to 100%, 120V-277V, with RJ45 connection <b>DL2</b> = Lutron® Hi-Lume Forward Phase Dimming, 1% to 100%, 120V Only <b>DLE</b> = Lutron Ecosystem dimming 1% to 100%, 120V-277V <b>DLV</b> = Low voltage dimming driver (1-100%) for use with DLVP system <sup>(3)</sup>
<b>Notes</b>	<b>Notes</b>	<b>Notes</b>
	(1) Nominal lumens will vary depending on selected color, driver and reflector finish. (10) Limited to D010 drivers	(2) Tunable white (3) Not available with Chicago Plenum. (6) DMX fixtures default to full on upon loss of DMX signal.

Power Module	Lumen	CRI / CCT						
<b>EU6B</b> = 6" Universal LED Module	<b>1020</b> = 1000, 1500, 2000 Lumens <b>3040</b> = 3000 Lumens	<table border="1"> <thead> <tr> <th>80 CRI</th> <th>90 CRI</th> <th>97 CRI</th> </tr> </thead> <tbody> <tr> <td>27 = 2700K 30 = 3000K 35 = 3500K 40 = 4000K 50 = 5000K</td> <td>24 = 2400K 27 = 2700K 30 = 3000K 35 = 3500K 40 = 4000K 50 = 5000K</td> <td>27 = 2700K 30 = 3000K</td> </tr> </tbody> </table>	80 CRI	90 CRI	97 CRI	27 = 2700K 30 = 3000K 35 = 3500K 40 = 4000K 50 = 5000K	24 = 2400K 27 = 2700K 30 = 3000K 35 = 3500K 40 = 4000K 50 = 5000K	27 = 2700K 30 = 3000K
80 CRI	90 CRI	97 CRI						
27 = 2700K 30 = 3000K 35 = 3500K 40 = 4000K 50 = 5000K	24 = 2400K 27 = 2700K 30 = 3000K 35 = 3500K 40 = 4000K 50 = 5000K	27 = 2700K 30 = 3000K						
<b>Notes</b>	<b>Notes</b>	<b>Notes</b>						
	(1) Nominal lumens will vary depending on selected color, driver and reflector finish.	<b>Dim 2 Warm</b> <b>109030D2W</b> = 1000 lumen, 90 CRI, Dim 2 Warm, IC rated <b>159030D2W</b> = 1500 lumen, 90 CRI, Dim 2 Warm, IC rated <b>209030D2W</b> = 2000 lumen, 90 CRI, Dim 2 Warm <b>309030D2W</b> = 1000 lumen, 90 CRI, Dim 2 Warm <b>Tunable White</b> <b>1020W2N902050</b> = 1000, 1500, 2000 lumens, 90 CRI, tunable white 2000K-5000K <b>1020W2N902650</b> = 1000, 1500, 2000 lumens, 90 CRI, tunable white 2700K-6500K						

Reflector	Flange	Finish
<b>6LBS</b> = 6" Shallow wide beam spun aluminum <b>6LBCS</b> = 6" Shallow wide beam die cast <b>6LBSC</b> = 6" Shallow non-conductive, injection molded white (self flanged white only)	<b>0</b> = White polymer trim ring <b>1</b> = Self-flanged (finish is the same as the reflector) <b>2</b> = White painted self-flanged	<b>Spun reflectors</b> <b>LI</b> = Specular Clear <b>H</b> = Semi-specular Clear <b>WMH</b> = Warm Haze <b>WH</b> = Wheat <b>GPH</b> = Graphite Haze <b>B</b> = Specular Black <b>Die Cast reflectors</b> <b>MW</b> = Matte White <b>MB</b> = Matte Black <b>MMS</b> = Matte Metallic Silver
<b>Notes</b>	<b>Notes</b>	<b>Notes</b>

## Accessories

Accessories
<b>HSA6</b> = Slope Adapter for 4" Aperture Housings, Specify Slope in 5° increments <b>TRM6</b> = Metal Trim Ring, Specify Color <b>LGSKT4IP66</b> = IP66 Gasket Kit <b>PRR6</b> = Rimless Plaster Ring for Flush Mount (order reflector with polymer ring)
<b>Bar Hangers</b> <b>HB26</b> = C-channel Bar Hanger, 26" Long, Pair <b>HB30</b> = C-channel Bar Hanger, 30" Long, Pair <b>RMB22</b> = Wood Joist Bar Hanger, 22" Long, Pair
<b>Connected Lighting Systems</b> <sup>(7)</sup> <b>WTA</b> = Field installed WaveLinX sensor Kit <sup>(8)</sup> <b>WTK</b> = Field installed WaveLinX Lite Sensor Kit <sup>(9)</sup>
<b>Notes</b>
(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)



## Product Specifications

### Lower Shielding Reflector

- Painted die cast aluminum, spun aluminum or non-conductive 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

### Thermal

- 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

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

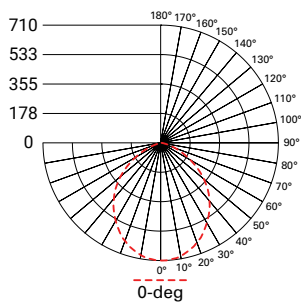
2000 Lumen D010	
Input power: 21.2W	THD: <9%
120V input current: 0.18A	277V Input Current: 0.08A

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

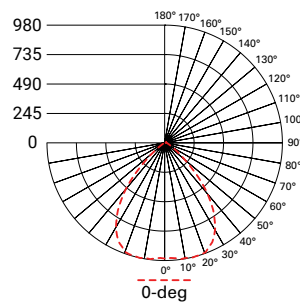
Lumens	120V		277V	
	Inrush (A)	Duration (ms)	Inrush (A)	Duration (ms)
1000 Lumen D010	1.02	0.041	2.18	0.021
1500 Lumen D010	1.02	0.042	2.24	0.064
2000 Lumen D010	1.02	0.077	2.43	0.027
3000 Lumen D010	1.15	0.067	3.26	0.027

## Photometric Data

[View IES files](#)



**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

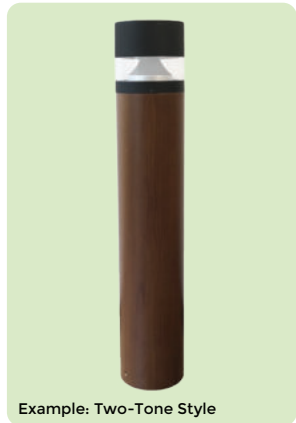
<b>PROJECT</b>	Pfizer Chesterfield		SJ
ULH-10665-W40-01-SB			

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

<b>ULH-10665</b>								
<b>LAMP</b>	<b>LED COLOR</b>	<b>FINISH COLOR</b>	<b>VOLTAGE</b>	<b>ADDITIONAL OPTIONS</b>				
27w LED 1188 Lumens	W27 - 2700K W30 - 3000K W35 - 3500K <b>W40 - 4000K</b>	<b>01 - BLACK RAL 9011</b> 02 - DARK GREY RAL 7043 03 - WHITE RAL 9003 04 - METALLIC SILVER RAL 9006 05 - MATTE SILVER RAL 9006 06 - LIGMAN BRONZE 07 - CUSTOM RAL  <b>INSPIRED BY NATURE FINISHES</b> SW01 - OAK FINISH SW02 - WALNUT FINISH SW03- PINE FINISH DF - DOUGLAS FIR FINISH CW - CHERRY WOOD FINISH NW - NATIONAL WALNUT FINISH SU01 - CONCRETE FINISH SU02 - SOFTSCAPE FINISH SU03 - STONE FINISH SU04 - CORTEN FINISH	<b>120/277v</b> Other - Specify	A10731 - 180° Light Shield A10831 - 90° Light Shield GFCI - GFCI Box NAT - Natatorium Rated AMB - Turtle Friendly Amber LED <b>SB - Security Bollard</b> A12891 - K4 Rated Security Bollaerd HGT - Custom Bollard Height [Specify HGT=XX"] DIM - 0-10v Dimming OCC1 - Single Occupancy Sensor OCC2 - Dual Occupancy Sensor A91591 - Lockable In Use GFCI Receptacle Outlet Box				
			THERE IS AN ADDITIONAL COST FOR THESE FINISHES					

**More Custom Finishes Available Upon Request**

Consult factory for pricing and lead times

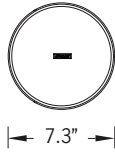
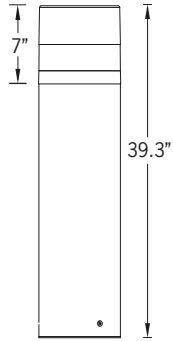


# ULH-10665

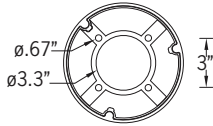
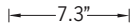
## Lightsoft 1 Bollard



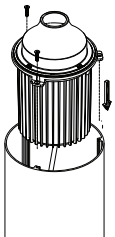
**27w LED 1188 Lumens**  
**IP65 • Suitable For Wet Locations**  
**IK08 • Impact Resistant (Vandal Resistant)**  
**Weight 17 lbs**



**Top View**

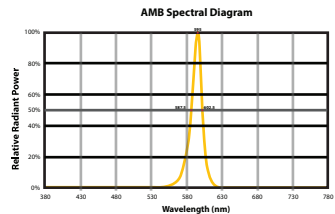


**Mounting Detail**



**IP65 - Internal top access driver housing, prewired with SO cord and waterproof cable gland for easy installation.**

**CITY OF FLAGSTAFF & TURTLE FRIENDLY COMPLIANT**



**Narrow-Spectrum Amber LEDs**  
 Peak wavelength between 585 & 595 nanometers and a full width of 50% power no greater than 15 nanometers.

**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 thermal 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.

**Surge Suppression**  
 Standard 10kv surge suppressor provided with all fixtures.

**BUG Rating**  
 B1 - U3 - G1

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

**Paint**  
 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 powder coating.

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.

**The Coating Process**  
 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 decoration.

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 rain, 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.

**Optics & LED**  
 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)**