VII.B

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

Planning Commission Staff Report

Project Type: Amended Site Development Plan (3rd)

Meeting Date: October 16, 2019

From: Mike Knight, Planner *JMK*

Location: A 48.2 acre tract of land located north of North Outer 40 Road and east of Boone's Crossing.

Description: **Chesterfield Outlets (17107 N Outer 40 Road – The District):** An Amended Site Development Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for a 48.2 acre tract of land located north of N Outer 40 Road and east of Boone's Crossing. (17T420027)

PROPOSAL SUMMARY

This request is to allow for the construction of Phase 1 of an entertainment district within the Chesterfield Outlets subdivision known as The District. The applicant has taken control of the property in an effort to redevelop and reposition the property into a regional entertainment district with a variety of entertainment themed options, including restaurants, a food hall, live music venue, and complementary retail/entertainment uses. **Phase 1 has three primary components: a 3,000 seat indoor theatre, a 2-story structured parking garage, and a 48,559 square foot recreational facility.**

The project was reviewed by the Architectural Review Board on Thursday, September 12, 2019. At that time the Board made a motion to forward the Amended Site Development Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for the project to the Planning Commission with a recommendation to approve with the following conditions:

Overall Development

- Identify the parapet heights and mechanical units of the music venue and recreation facility on the plans to ensure that the mechanical equipment is fully screened on all four sides of the building.

- Continue or include the walk pattern, concrete color and concrete texture across the front of the buildings to provide cohesiveness throughout the development. Identify the detail specifically on the plans.

Music Venue

- Provide specific color elevations, identifying materials and dimensions for the retractable fence across the rear of the building and ensure it meets all quality standards of the ARB guidelines.
- Continue the reveals and the tilt up around the rear of the building.
- Continue the reveals over the balconies on the south elevation.
- Carry the paint color and/or material selection from the front of the building to the back of the building to help break up the large monotonous elevation.
- Include more definition to the stone feature on the south elevation and provide a minimum of 1 foot projection from the existing wood grain metal panels and insulated glass.
- Increase the depth size of approximately four feet to the front planting area / planters creating more green space to help soften the front façade.

Parking Garage

- Incorporate architectural elements to the south façade facing I-64 to help break up the long monotonous elevation.
- Provide more celebration to the southwest corner of the garage.

All of the conditions have been addressed by the applicant. Although the applicant has made a significant amount of improvements in regard to both enhancing the horizontal and vertical articulation of the south façade of the parking structure, and also increasing the celebration of the southwest corner of the parking structure, these changes have not met the full extent of the Architectural Review Board's intention.

SITE HISTORY

St. Louis County zoned the subject site "NU" Non-Urban District in 1965. On November 21, 2011, the City of Chesterfield approved Ordinance 2682, which zoned the subject site from a "NU" Non-Urban District to a "PC" Planned Commercial District.

Subsequent to the change in zoning, a Site Development Plan was submitted proposing a 472,282 square foot outlet retail center on the site. The plan was approved by the City of Chesterfield on March 26, 2012. A minor amendment was approved in October of 2012 to relocate the management office from the westernmost building to the easternmost building.

In May of 2019, the current governing ordinance, City of Chesterfield Ordinance 3049, was approved by City Council. The primary purpose of this ordinance amendment was to establish a maximum height of 60 feet for the proposed pavilion and indoor theater uses, including rooftop mechanical equipment, screening, and architectural features.

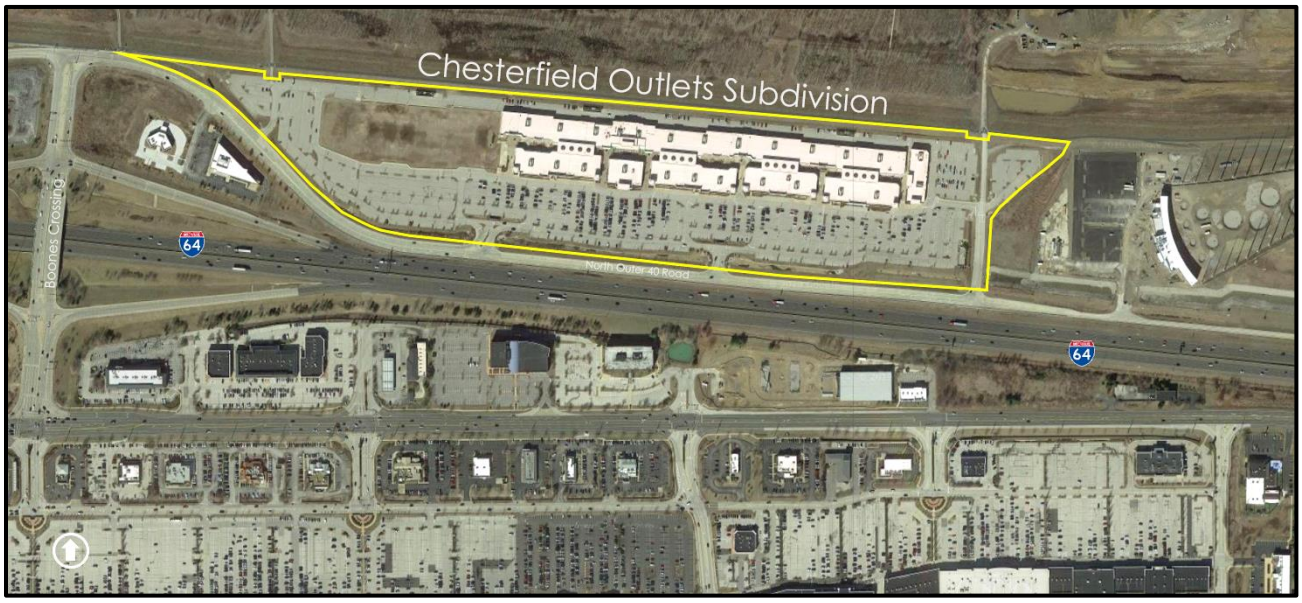


Figure 1: Aerial Site Photo

SURROUNDING LAND USES

The land use and zoning for the properties surrounding this parcel are as follows; The Monarch Chesterfield Levee is located directly to the north with Flood Plain Non-Urban zoned property, currently being used as Rivers Edge Park. The site is bordered by North Outer 40 and Interstate 64 to the south. The Kemp Auto Museum and Chesterfield Commons North are the nearest subdivisions to the south zoned a mixture of Planned Commercial and Planned Industrial. To the east is the Summit-Topgolf Subdivision zoned Planned Commercial District in which there has been an abundance of recent activity, including the operation of the Recreational Facility known as Topgolf and an approved Site Development Section Plan to construct a Residence Inn Hotel. The property to the west is the Boone's Crossing Northeast Subdivision, zoned Planned Commercial, and currently functioning as financial facilities. Table 1 below outlines the surrounding developments, zoning, and some additional notes.

Surrounding Developments, Land Use, and Zoning			
LOCATION	DEVELOPMENT	ZONING	ADDITIONAL NOTES
North	Rivers Edge Park	FPNU	188 acre passive park with trail surrounding lake
South	Chesterfield Commons North / Kemp Auto Museum	C8 / PC	Mixed commercial uses including office, retail, and restaurant
East	Summit-Topgolf	PC	Topgolf is under operation, also an approved site plan to construct a hotel.
West	Boones Crossing NE	PC	Office and financial facilities

Table 1: Surrounding Developments

STAFF ANALYSIS

Chesterfield Valley Design Policies: The City of Chesterfield's Comprehensive Plan has a specific Chesterfield Valley Policies Element. The policies include commercial development with particular concern over the image presented by development along I-64. There are six specific policies of which four are applicable to the design of this project. Staff outlines the applicable policies below and how the Amended Site Development Plan relates to those policies.

Policy 1: Facades of Buildings Along I-64 and Arterial Roadways – Care should be taken to make sure that any portion of a building is equally uniform in materials and attractiveness as the primary facade. The intent is to avoid projects having their view from I-64/US 40 or the roadways appear to be the rear or side of a development.

The primary view of the entertainment district would be from the south, east, and west as one would see the buildings driving east to west/ west to east along I-64 and North Outer 40 Road. Rivers Edge Park and the Levee Trail system are located directly to the north of the subject site.

Policy 2: Lighting of Buildings Along I-64/US 40 - The facades of buildings facing I-64 should be lighted to provide an attractive image at night for individuals traveling along I-64.

The lighting currently submitted consists of both decorative and utilitarian lighting. Lights that are not fully shielded flat lensed fixtures that enhance the architecture (decorative) will require approval from Planning Commission.

Policy 3: Automobile Parking for Buildings Along I-64 - Parking should be primarily located to the side or rear of any building façade facing I-64/US 40 or along North Outer 40.

Surface parking shown on the Amended Site Development Plan is primarily shown in the front of all the existing buildings, as seen in Figure 1 on the previous page. There is minimal change in surface parking for the site compared to the existing conditions. A new 2 story parking garage is being constructed on the site and the proposed location is west of both the existing and proposed building footprint.

Policy 4: Pedestrian Circulation - In order to promote pedestrian movement, each development is required to address pedestrian circulation within and between all developments. This pedestrian system shall be designed in an overall safe, clearly understood plan meeting ADA (American Disabilities Act) requirements.

The site currently does not have a sidewalk along N Outer 40 Road, and there is not one being proposed within the scope of the redevelopment. The neighboring site to the east has an approved site plan that depicts a sidewalk connection internally from the Summit-Topgolf subdivision to a positioned cross walk on the eastern edge of the subject site.

General Requirements for Site Design:
The applicant has stated that The District project is being proposed in phases. This submittal is for phase one, which consists of some existing buildings to remain and three proposed buildings: (1)parking garage, (2)music venue, and (3)recreational facility. Below (Figure 2) is an image of the overall conceptual master plan, followed by Figure 3, which solely depicts the scope of phase one.

Figure 2: Conceptual Master Plan for The District

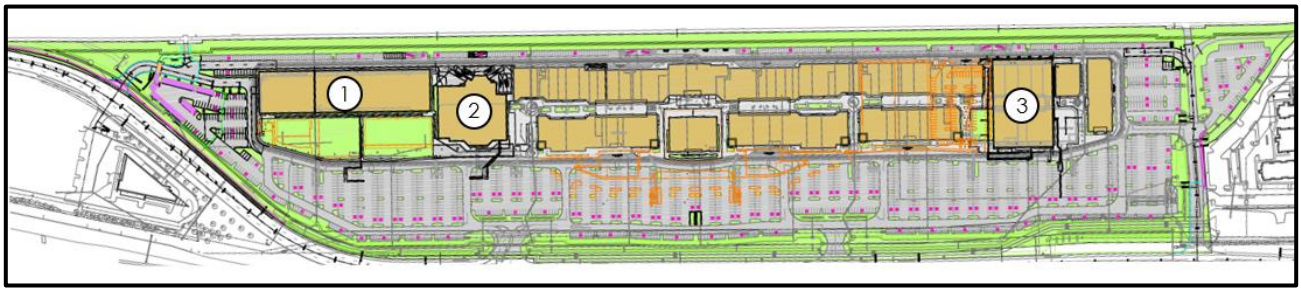


Figure 3: Completion of Phase One Color Site Plan

A. Site Relationships
The subject site is located north of North Outer 40 Road and east of Boone's Crossing in what is classified as the Chesterfield Valley Area within the City's Comprehensive Land Use Plan. Given that North Outer 40 Road is a major arterial in accordance to the City of Chesterfield Street Classification Map and given the site's close proximity to I-64, the south, east, and west façades are highly visible. The site is also visible from the north from the Monarch Chesterfield Levee Trail. Directly to the east is Lot A of the Summit-Topgolf subdivision in which there is an approved site plan for a hotel that is 4 stories in height and roughly 85,000 square feet of gross floor area. The Topgolf facility is Lot B of the Summit Topgolf subdivision and is directly east of the proposed hotel. Directly to the west of the subject site are two bank/office buildings and combined have roughly 28,000 square feet of gross floor area.

The Unified Development Code outlines specific desirable and undesirable practices within site relationships. A desirable practice is to provide public plazas, courtyards, assembly areas, etc. Although Phase 1 does not specifically embody this practice, it should be noted that the conceptual master plan does include an outdoor pavilion at the center of the site which serves as one of the primary visual and physical focuses for the development as a whole.

B. Circulation and Access

Vehicular access is composed of four entrances from N Outer 40 Road. The far western entrance will be relocated in conformance to the positioning as defined in the Traffic Study accomplished within the most recent ordinance amendment. It has been stated that the new parking garage will be primarily used for the proposed music venue. A traffic management plan has also been submitted in conjunction with the Amended Site Development Plan submittal to ensure the best traffic control for larger events.

Pedestrian access can largely be seen in two areas of the site. The first being on the west side of the tract via the Monarch Levee Trail and from the east internally with Lot A of the neighboring Summit-Topgolf subdivision.

C. Topography

The site is relatively flat with a couple of feet of grade change from east to west and north to south for drainage. There is a large drainage channel along the southern edge of the site to remain. The finish floor elevation of the buildings are roughly 468'. For reference, the finish floor elevation for the neighboring Top Golf facility to the east is at 462' and the office/bank buildings to the west have finish floor elevations of 467' and 466'. There are no retaining walls existing or planned for this development.

General Requirements for Building Design:

This request is to permit the construction of phase 1 of the re-development of the existing outlet mall located within the Chesterfield Outlets subdivision. Phase 1 has three primary components: A 2-story structured parking garage, a 3,000 seat indoor theatre, and a 48,559 square foot recreational facility. The parking garage has a gross floor area of 66,452 square feet and contains 375 spaces, which is roughly 15% of the total parking for the site. The indoor theatre is 52,063 square feet and is roughly 60 feet in height which is the largest habitable structure on the site. The recreational facility is 48,559 square feet and roughly 38' in height.

A. Scale

Given this development will ultimately be achieved in phases, new buildings will be situated adjacent to the existing buildings and this review is for the development incorporating these changes. There are no planned changes to the existing buildings to remain. The existing buildings have a base height of 20' with accents ranging from 24-28' in height. Feature elements at the corners reach a maximum height of 40'. The new buildings will range in maximum height from 38' (Recreational Facility) to 60' (Music Venue). The height differential between existing and proposed buildings is depicted in blue in Figure 4 below. The appearance will also change visually from east to west. Approximately 946' of the total 2,566 linear feet of virtually contiguous buildings, or 37% of the visual frontage, will be new in appearance, as seen in orange also in Figure 4.

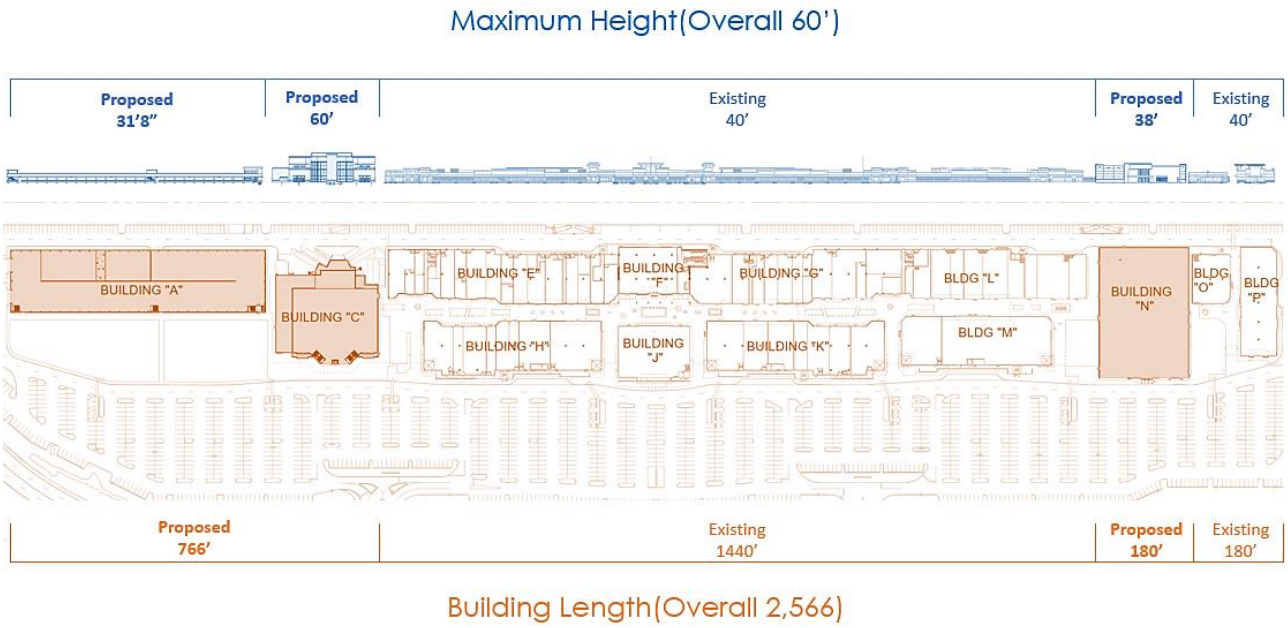


Figure 4: Existing vs Proposed Height and Length

B. Design

The applicant states within the provided Architectural Statement that Vintage Industrial is the architectural style chosen for the redevelopment. As previously mentioned, the development will be completed in phases, and when completed, the central portion will contain a main steel structure. This structure or "pavilion" is intended to be a communal area with a stage and open space to be used for concerts and a variety of entertainment options. Also in a future phase are multiple restaurant uses that surround or flank the community gathering space. The pavilion and flanking restaurants may be seen in Figure 2 on page 5.

The design of the current outlet mall was intended to be a classic retail pedestrian "shopping street" as stated in the associated previous ARB submittal. The project has an alternating series of landscaped open court yards and sky lit covered pavilions. The far east anchor building acts as a "bookend" to the west and is scheduled to remain.

C. Materials and Colors

The existing buildings have a neutral/earthy palette of colors and materials. The colors include beiges, tans, terra cotta, and tones of gray, with a primarily white trim for much of the buildings. The materials include veneer brick, veneer stone, along with painted tilt-up concrete panels and applied EIFS trim and cornices.

The proposed buildings include materials primarily consisting of brick, stone, concrete tilt-up panels, EIFS systems, with aluminum glass and glazing. The colors of the proposed buildings are also earthy including beige, sand, walnut, gray and black. One exception to the neutral/earthy colors to both the existing and proposed buildings would be the utilization of Cobalt Stone Blue and Alpolic CFB Blue on the recreational facility and the utilization of yellow with the associated recreational facility bollards in front of the building as seen in Figure 7 on the following page.

North Outer 40 Road and I-64 are major arterials in accordance with the City of Chesterfield Street Classification Map and travel east to west parallel to the site and thus renders the south elevation the most prominent of all the elevations. Figures 5-7 depict the south elevations of all 3 proposed buildings in order from west to east. Each elevation will call out the primary materials and their associated color.

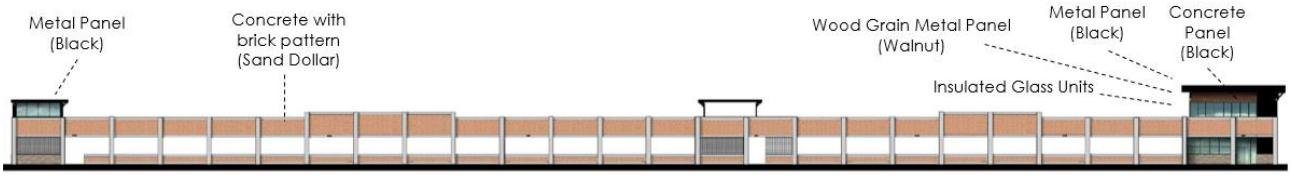


Figure 5: Parking Garage – South Elevation

Figure 6: Music Venue – South Elevation

Figure 7: Recreational Facility – South Elevation

D. Landscape Design and Screening

A Landscape Plan has been submitted in conjunction with the submittal. Most of the existing plantings are scheduled to remain, with most of the changes to the existing incorporated through adjusted landscape islands within the updated parking configuration. In total, there is a mixture of 13 new trees (Birch, Maple, and Oak) being proposed and 938 new shrubs of various species. All screening of rooftop mechanical units of proposed buildings is to be screened naturally by the building parapets. All trash enclosures and ground mechanical units are scheduled to remain or match the existing enclosures and can be seen in Figure 8 below. The music venue has a retractable screening fence to the rear of the building. The fence is made of black vinyl coated chain link and can be seen in Figure 9.

Figure 8: Existing Trash, Electrical Switchgear, and Utility Screening

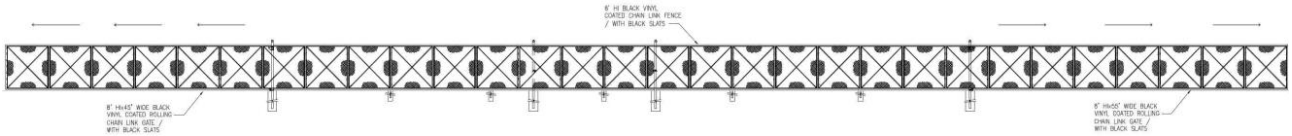


Figure 9: Music Venue Fence Elevation

E. Lighting

Lighting consists of utilitarian and decorative lighting within the Amended Site Development Plan submittal. The development will utilize several different lighting strategies. For the site lighting, 20' high silver pole mounted, black flat lensed fixtures with full cut features are used. This is for general light levels in the parking and other site spaces. Lights that are not fully shielded flat lensed fixtures that enhance the architecture (decorative) will require approval from Planning Commission.

Figure 10 on the following page depicts the decorative lighting for the Music Venue. This lighting will include two features that are directed upward. One is a flood light approximately 1 foot above grade and one is an ingrade uplight. The Unified Development Code specifically states to avoid floodlighting for facades of buildings facing I-64. The applicant has also stated that no uplighting will trespass beyond the roofline of any structure. Other decorative fixtures include a canopy downlight and wall sconces solely on the south façade.

Figure 11 on the following page depicts the decorative lighting for the Recreational Facility. There is one decorative fixture which is a linear LED grey light fixture programmed with a static white output.

All three proposed buildings will include various utilitarian wall packs.

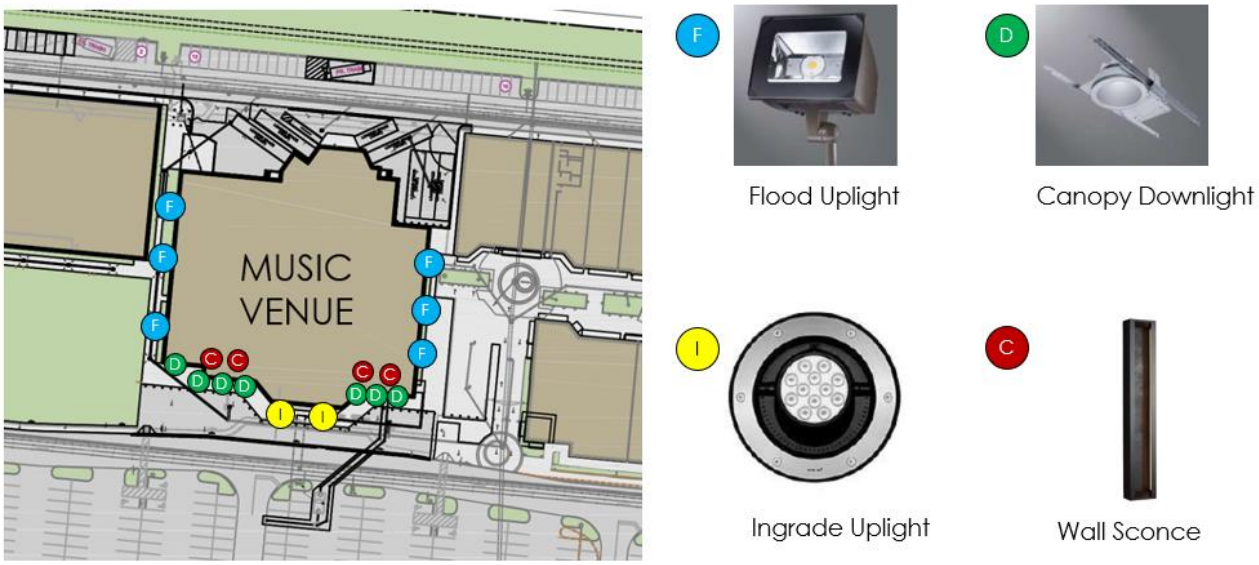


Figure 10: Music Venue Lighting

Figure 11: Recreational Facility Lighting

STAFF RECOMMENDATION

Staff has reviewed the Amended Site Development Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for Chesterfield Outlets (17107 North Outer 40 – The District) and has found the proposal to be in compliance with the site specific ordinance, Comprehensive Plan, and all City Code requirements. Staff recommends approval to the Planning Commission upon a finding that adequate changes have been made to address the recommendations of the Architectural Review Board.

MOTION

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

1) "I move to approve (or deny) the Amended Site Development Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for Chesterfield Outlets (17107 N Outer 40 Road – The District), as presented. "

2) "I move to approve the Amended Site Development Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for Chesterfield Outlets (17107 N Outer 40 Road – The District) with the following conditions…" (Conditions may be added, eliminated, altered, or modified.)

Attachments

Amended Site Development Plan
Landscape Plan
Lighting Plan
Architect's Statement of Design
Architectural Elevations
Traffic Management Plan

TSG CHESTERFIELD LIFESTYLE, LLC. THE OWNER UNDER CONTRACT OF THE PROPERTY SHOWN ON THIS PLAN FOR AND IN CONSIDERATION OF BEING GRANTED A PERMIT TO DEVELOP PROPERTY UNDER THE PROVISIONS OF CHAPTER _______ _________________ "PC" PLANNED COMMERCIAL DISTRICT OF THE CITY OF
(APPLICABLE SUBSECTION) (PRESENT ZONING)
CHESTERFIELD ORDINANCE NO. 3049, DO HEREBY AGREE AND DECLARE THAT SAID PROPERTY FROM THE DATE OF RECORDING THIS PLAN SHALL BE DEVELOPED ONLY AS SHOWN THEREON, UNLESS SAID PLAN IS AMENDED BY THE PLANNING COMMISSION, OR VOIDED OR VACATED BY ORDER OF THE CITY OF CHESTERFIELD COUNCIL.

(SIGNATURE): _________________________

(NAME TYPED): _________________________

STATE OF ____________)
) SS.
COUNTY OF ___________)

ON THIS _______ DAY OF ____________, A.D., 2019, BEFORE ME PERSONALLY APPEARED _________________, TO ME KNOWN, WHO, BEING BY ME DULY SWORN IN, DID SAY
(OFFICER OF CORPORATION)
THAT SAY HE/SHE IS THE _________________ OF _______________________,
(TITLE) (NAME OF CORPORATION)
A CORPORATION IN THE STATE OF ___________, AND THAT THE SEAL AFFIXED TO THE FOREGOING INSTRUMENTS IS THE CORPORATE SEAL OF SAID CORPORATION, AND THAT SAID INSTRUMENT WAS SIGNED ON BEHALF OF SAID CORPORATION BY AUTHORITY OF ITS BOARD OF DIRECTORS, AND THE SAID __________________
(OFFICER OF CORPORATION)
ACKNOWLEDGED SAID INSTRUMENT TO BE THE FREE ACT AND DEED OF SAID CORPORATION.

IN WITNESS WHEREOF, I HAVE SIGNED AND SEALED THE FOREGOING THE DAY AND YEAR FIRST ABOVE WRITTEN.

____
NOTARY PUBLIC

____
PRINT NAME

MY COMMISSION EXPIRES: ____________

THIS SITE DEVELOPMENT SECTION PLAN WAS APPROVED BY THE CITY OF CHESTERFIELD PLANNING AND DEVELOPMENT DIVISION AND DULY VERIFIED ON THE _________ DAY OF _________, 2019, BY THE DIRECTOR OF SAID DIVISION, AUTHORIZING THE RECORDING OF THIS AMENDED SITE DEVELOPMENT PLAN PURSUANT TO CHESTERFIELD ORDINANCE NUMBER 200, AS ATTESTED BY THE PLANNING AND DEVELOPMENT SERVICES DIRECTOR AND THE CITY CLERK.

____
JUSTIN WYSE, AICP
DIRECTOR OF PLANNING AND DEVELOPMENT SERVICES
CITY OF CHESTERFIELD, MISSOURI

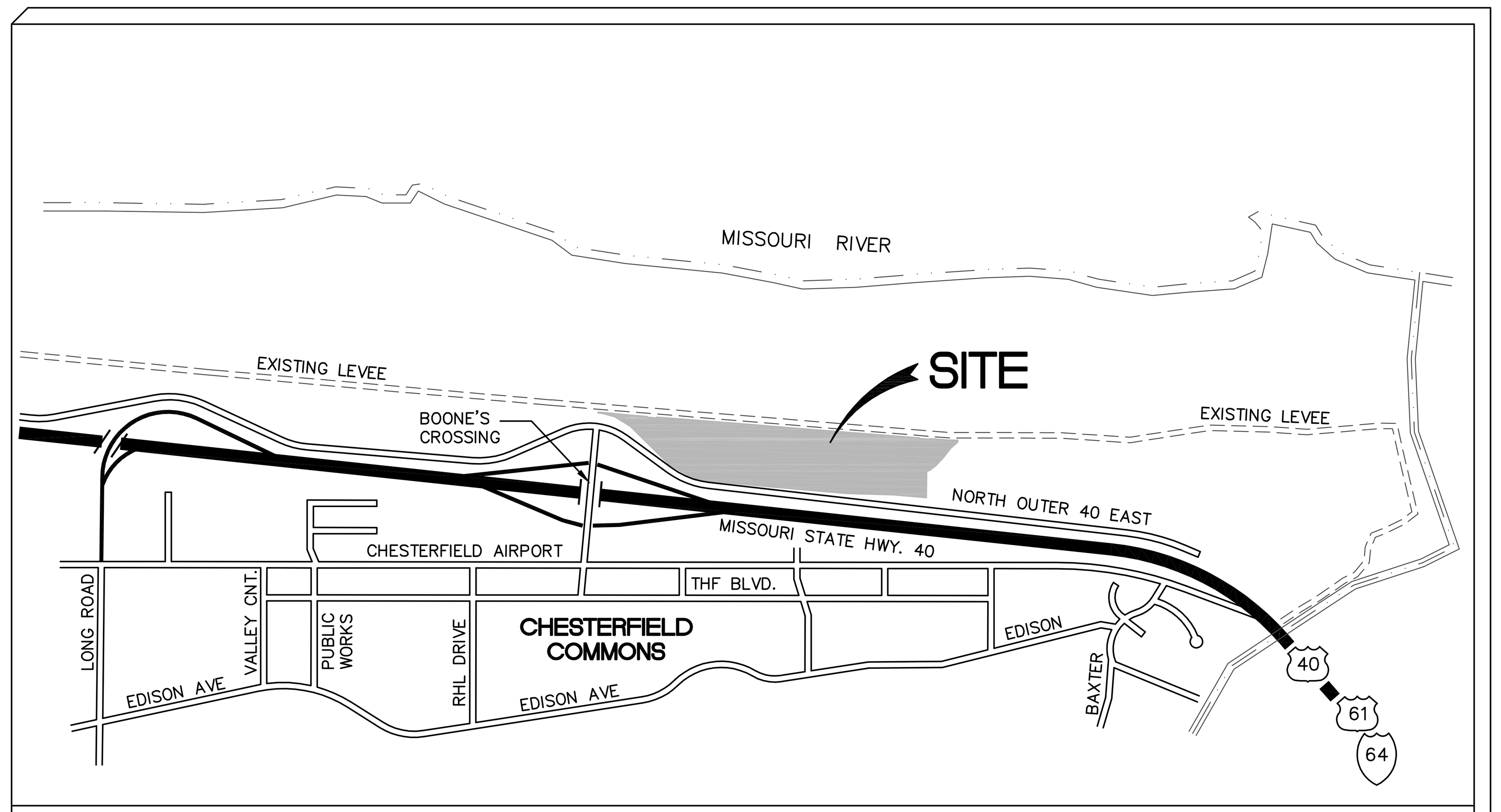
____
VICKIE HASS, CITY CLERK
CITY OF CHESTERFIELD, MISSOURI

THE DISTRICT

3RD AMENDED SITE DEVELOPMENT PLAN

A TRACT OF LAND BEING ADJUSTED LOT 1 AND 2 OF THE "BOUNDARY ADJUSTMENT PLAT OF PART OF LOTS 6, AND 7 OF HERMAN FICKE ESTATE SUBDIVISION, PART OF ADJUSTED TRACT B OF THE BOUNDARY ADJUSTMENT PLAT AS RECORDED IN PLAT BOOK 354, PAGES 5 AND 6 AND PART OF ADJUSTED LOT 1 OF HAYNES BOUNDARY ADJUSTMENT PLAT AS RECORDED IN THAT BOOK 357, PAGES 3 AND 4" ACCORDING TO THE BOUNDARY ADJUSTMENT PLAT THEREOF RECORDED IN PLAT BOOK 360 PAGE 137, LOCATED IN U.S. SURVEY 2031, TOWNSHIP 45 NORTH, RANGE 4 EAST OF THE 5TH PRINCIPAL MERIDIAN, CITY OF CHESTERFIELD ST. LOUIS COUNTY, MISSOURI

TOTAL TRACT = 48.151 AC. ±



LOCATION MAP
(NOT TO SCALE)

SHEET INDEX

3RD AMENDED SITE DEVELOPMENT PLAN NOTES

1. APPROVED SITE DEVELOPMENT PLAN RECORDED IN PB. 360, PGS. 89-106 ON APRIL 3, 2012.
2. APPROVED AMENDED SITE DEVELOPMENT PLAN RECORDED IN PB. 360, PGS. 341-348 ON OCTOBER 30, 2012.
3. APPROVED 2ND AMENDED SITE DEVELOPMENT PLAN RECORDED IN PB. 361, PGS. 231-242 ON JULY 19, 2013.

CONVENTIONAL SIGNS (USED IN PLANS)

DESCRIPTION	EXISTING	NEW
RIGHT-OF-WAY	EXIST. R/W	NEW R/W
PROPERTY LINE	— — — ℙ — — —	
CITY LIMITS	▨	
EASEMENT	— — — — — — —	— — — — — — —
CONSTRUCTION LIMITS		• • • • • • • • •
SOIL BORINGS	B-1	
BUILDING	▨	
BUILDING REMOVAL	▨	
FENCE	— x — x —	—●—●—●—
GUARDRAIL		
MAILBOX	M.B.	
RAILROAD		
SIGN		
TREE OR SHRUB (DESIGNATE DIA.)		
GUY WIRE		
UTILITY POLE		
LIGHT STANDARD		
UNDERGROUND CONDUIT OR CABLE (TYPE SPECIFIED)	—— T ——	
PIPE LINE (OWNER SPECIFIED)	—— SHELL ——	
UTILITY MAIN (SIZE AND TYPE SPECIFIED)	—— 4" GAS ——	
UTILITY MANHOLE (TYPE SPECIFIED)	(E)	
GAS AND WATER VALVE	GV WV	
GAS AND WATER SERVICE VALVE	GV WV	
WATER METER	○ WM	
SEWER VENT	○ SV	
FIRE HYDRANT		
SANITARY SEWER		—— SS ——
STRM. SEWER		
SEWER MANHOLE	○	●
GRATED INLET		
CURB INLET (SINGLE / MULTIPLE)		
ID DRAINAGE STRUCTURES	(B)	(12)
PIPE WITH HEADWALLS		
DRAINAGE V-DITCH (SODDED OR SEEDED)		
DRAINAGE FLAT BOTTOM DITCH (SODDED/SEEDED/PAVED)		
PAVEMENT REMOVAL	▨	
ASPHALTIC CONCRETE PAVEMENT	ASPHALT E.P.	▨
CONCRETE PAVEMENT	CONCRETE E.P.	▨
SAWCUT		— — — — — — —
TRAFFIC FLOW	⇨	➡
MONARCH TREE		○

SITE INFORMATION

SITE ACREAGE	=	48.151 ACRES ±
ZONING	=	"PC" PLANNED COMMERCIAL (ORD. #3049)
CITY	=	CHESTERFIELD, MISSOURI
SITE ZIP CODE	=	63005
SITE ADDRESS	=	17017 N. OUTER 40 RD.
OWNER	=	TAUBMAN PRESTIGE OUTLETS OF CHESTERFIELD c/o CHESTERFIELD LIFESTYLE, LLC (UNDER CONTRACT)
WUNNENBERG MAP	=	PAGE 36, GRID P-24
SEWER DISTRICT	=	METROPOLITAN ST. LOUIS SEWER DISTRICT
WATER SHED	=	CAULKS CREEK, MISSOURI RIVER
FLOOD MAP PANEL	=	FIRM 29189C0165K, EFFECTIVE FEB. 4, 2015
FIRE DISTRICT	=	MONARCH FIRE PROTECTION DISTRICT 13725 OLIVE BLVD. CHESTERFIELD, MO 63017
WATER DISTRICT	=	MISSOURI AMERICAN WATER COMPANY

ABBREVIATIONS

FOC	– FIBER OPTIC CABLE
G	– GAS
E	– ELECTRIC
OE	– OVERHEAD ELECTRIC
UE	– UNDERGROUND ELECTRIC
SAN	– SANITARY
T	– TELEPHONE
W	– WATER
(ATG)	– ADJUST TO GRADE
(ATGBO)	– ADJUST TO GRADE BY OTHERS
(TBA)	– TO BE ABANDONED
(TBR) OR (R)	– TO BE REMOVED
(TBR&R)	– TO BE REMOVED AND REPLACED
(TBR&REL)	– TO BE REMOVED AND RELOCATED
(TBRBO)	– TO BE REMOVED, RELOCATED OR REPLACED BY OTHERS
(UIP)	– USE IN PLACE
(TYP)	– TYPICAL
EX	– EXISTING
PR	– PROPOSED
ELEV	– ELEVATION
FL	– FLOWLINE
BOC	– BACK OF CURB
FOC	– FACE OF CURB
BC	– BOTTOM OF CURB
TC	– TOP OF CURB
TW	– TOP OF WALL
BW	– BOTTOM OF WALL
PVMT	– PAVEMENT
ASPH	– ASPHALT
CONC	– CONCRETE
GRND	– GROUND
EG	– EXISTING GRADE
FG	– FINISHED GRADE
FF	– FINISHED FLOOR
LL	– LOWER LEVEL
OC	– ON CENTER
EW	– EACH WAY
DB.	– DEED BOOK
PB.	– PLAT BOOK
PG.	– PAGE
(#'w)	– RIGHT OF WAY WIDTH
(REC)	– RECORDED INFORMATION
FT	– FEET
N/F	– NOW OR FORMERLY
MLD	– MAJOR LAND DISTURBANCE
PDE	– PERMANENT DRAINAGE EASEMENT
PRWE	– PERMANENT RETAINING WALL EASEMENT
PSDE	– PERMANENT SIGHT DISTANCE EASEMENT
PTSE	– PERMANENT TRAFFIC SIGNAL EASEMENT
PRIMUSSE	– PERMANENT ROADWAY IMPROVEMENT, MAINTENANCE, UTILITY, SEWER, SIDEWALK EASEMENT
TSCL	– TEMPORARY SLOPE AND CONSTRUCTION LICENSE
RMUE	– ROADWAY MAINTENANCE AND UTILITY EASEMENT
FND.	– FOUND
SQ.	– SQUARE
AI	– AREA INLET
CI	– CURB INLET
CO	– CLEANOUT
GI	– GRATE INLET
MH	– MANHOLE
RD	– ROOF DRAIN
YD	– YARD DRAIN
DS	– DOWN SPOUT
ARV	– AIR RELIEF VALVE
HDPE	– HIGH DENSITY POLYETHYLENE PIPE
PVC	– POLYVINYL CHLORIDE PIPE
PLAS	– PLASTIC PIPE
RCP	– REINFORCED CONCRETE PIPE
VCP	– VITRIFIED CLAY PIPE
TS	– TAILSTAKE
CET	– CRASHWORTHY END TERMINAL
FBD	– FLAT BOTTOM DITCH

GENERAL NOTES

1. BOUNDARY AND TOPOGRAPHIC SURVEY BY STOCK & ASSOCIATES CONSULTING ENGINEERS, INC.
2. ALL UTILITIES SHOWN HAVE BEEN LOCATED BY THE ENGINEER FROM AVAILABLE RECORDS. THEIR LOCATION SHOULD BE CONSIDERED APPROXIMATE. THE CONTRACTOR HAS THE RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES, PRIOR TO CONSTRUCTION, TO HAVE EXISTING UTILITIES FIELD LOCATED. IF ACTUAL LOCATIONS VARY PER CONTRACTOR INVESTIGATION, ADJUSTMENTS OR PLAN MODIFICATIONS MAY BE REQUIRED.
3. NO GRADE SHALL EXCEED 3:1 SLOPE.
4. GRADING AND STRM. WATER PER M.S.D., MODOT, ST. LOUIS COUNTY, THE CITY OF CHESTERFIELD AND THE MONARCH CHESTERFIELD LEVEE DISTRICT.
5. STRM.WATER SHALL BE DISCHARGED AT ADEQUATE NATURAL DISCHARGE POINT. SINKHOLES ARE NOT ADEQUATE DISCHARGE POINTS.
6. NO STEPS ALLOWED AT ACCESSIBLE ENTRANCE DOORS.
7. ALL UTILITIES WILL BE INSTALLED UNDERGROUND.
8. APPROVAL OF SIGN LOCATIONS DOES NOT CONSTITUTE APPROVAL. SIGN APPROVAL WILL BE THROUGH A SEPARATE SIGN PACKAGE APPLICATION.
9. ACCESS TO THIS DEVELOPMENT FROM NORTH OUTER 40 SHALL BE VIA 4 ENTRANCES LOCATED ALONG THE NORTHERN EDGE OF NORTH OUTER 40 DRIVE TO PROVIDE REQUIRED SIGHT DISTANCE AND CONSTRUCTED TO ST. LOUIS COUNTY STANDARDS AS DIRECTED BY THE ST. LOUIS COUNTY DEPARTMENT OF HIGHWAYS AND TRAFFIC. IN ADDITION, THE REQUIREMENTS OF THE CITY OF CHESTERFIELD MUST BE MET.
10. ALL PROPOSED ACCESS TO ST. LOUIS COUNTY ROADS FOR THE DEVELOPMENT SHALL MEET MINIMUM ST. LOUIS COUNTY AND THE CITY OF CHESTERFIELD SIGHT DISTANCE REQUIREMENTS.
11. ALL PERMANENT SIGHT DISTANCE EASEMENTS (P.S.D.E.) HAVE BEEN DESIGNED ACCORDING TO ST. LOUIS COUNTY STANDARDS (STANDARD DRAWING 40.25-1)
    DESIGN SPEED = 45 MPH
    "W" = 2 LANES
    "X" & "Z" = 530 FEET (TYPICAL)
12. PRIOR TO SPECIAL USE PERMIT ISSUANCE BY THE ST. LOUIS COUNTY DEPARTMENT OF HIGHWAYS AND TRAFFIC, A SPECIAL CASH ESCROW SUPPORTED BY AN IRREVOCABLE LETTER OF CREDIT MUST BE ESTABLISHED WITH THE ST. LOUIS COUNTY DEPARTMENT OF HIGHWAYS AND TRAFFIC TO GUARANTEE COMPLETION OF THE REQUIRED ROAD IMPROVEMENTS.
13. ALL SIDEWALKS ARE TO BE CONSTRUCTED PER MoDOT, ST. LOUIS COUNTY, CITY OF CHESTERFIELD AND/OR A.D.A. STANDARDS AND SHALL HAVE A MAXIMUM 2.0% CROSS SLOPE.
14. ALL PROPOSED IMPROVEMENTS SHALL BE CONSTRUCTED TO ST. LOUIS COUNTY STANDARDS.
15. NOTE PER FIRE MARSHALL (ROGER HERIN, MCP): THE FIRE PROTECTION WATER SUPPLY SYSTEM WILL BE REVIEWED FOR FINAL APPROVAL WHEN THE INSTALLING CONTRACTOR SUBMITS PLANS, SPECIFICATIONS AND CALCULATIONS FOR PERMITS TO INSTALL THE SYSTEM. THE FIRE HYDRANT LOCATIONS AND PIPING LAYOUT SHOWN ON THIS PLAN IS ACCEPTABLE AND APPROVED FOR THE PURPOSE OF THIS SITE DEVELOPMENT PLAN REVIEW.
16. ALL ON SITE TRAFFIC CONTROL DEVICES SHOULD COMPLY WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
17. NO SLOPES WITHIN ST. LOUIS COUNTY RIGHT-OF-WAY SHALL EXCEED 3 (HORIZONTAL) TO 1 (VERTICAL).
18. A SIGNED/SEALED NOTE SHALL BE ADDED TO THE CONSTRUCTION PLANS INDICATING THAT THE UNIMPROVED EXISTING SIDEWALK ALONG THE PROJECT FRONTAGE MEETS CURRENT ST. LOUIS COUNTY ADA STANDARDS.
19. ALL GRADING AND DRAINAGE SHALL BE IN CONFORMANCE WITH ST. LOUIS COUNTY AND MSD STANDARDS.
20. ALL HYDRANTS, POWER POLES OR OTHER POTENTIAL OBSTRUCTIONS WITHIN THE ST. LOUIS COUNTY ROAD RIGHT-OF-WAY SHALL HAVE A MINIMUM TWO (2) FOOT SETBACK FROM FACE OF CURB OR EDGE OF PAVEMENT, AS DIRECTED BY THE ST. LOUIS COUNTY DEPARTMENT OF HIGHWAYS AND TRAFFIC.
21. ANY ENTITY THAT PERFORMS WORK ON ST. LOUIS COUNTY MAINTAINED PROPERTY SHALL PROVIDE THE COUNTY WITH A CERTIFICATE OF INSURANCE EVIDENCING GENERAL LIABILITY COVERAGE (BODILY INJURY AND PROPERTY DAMAGE) IN THE AMOUNTS SPECIFIED AS THE LIMITS OF LIABILITY SET BY THE STATE FOR PUBLIC ENTITIES. SUCH CERTIFICATE SHALL INCLUDE "ST. LOUIS COUNTY" AS AN ADDITIONAL INSURED AND SHALL BE PROVIDED PRIOR TO THE ISSUANCE OF ANY PERMIT. CERTIFICATE SHALL PROVIDE FOR A 30 DAY POLICY CANCELLATION NOTICE TO ST. LOUIS COUNTY. UPON REQUEST, THE COUNTY WILL PROVIDE THE SPECIFIC AMOUNTS FOR BOTH PER PERSON AND PER OCCURRENCE LIMITS.

GENERAL SITE NOTES

1. PRESENT ZONING: "PC" (PLANNED COMMERCIAL) CITY OF CHESTERFIELD ORDINANCE NO. 3049.
2. SUBJECT PROPERTY LIES WITHIN FLOOD ZONE SHADED X (AREAS WITH REDUCED FLOOD RISK DUE TO LEVEE) ACCORDING TO THE NATIONAL FLOOD INSURANCE RATE MAP 29189C0165K WITH AN EFFECTIVE DATE OF 02/04/2015.
3. BASIS OF BEARING ADOPTED FROM PB. 360, PGS. 137-138.
4. TOTAL BUILDING FLOOR AREA SHALL NOT EXCEED 500,000 SQUARE FEET.
5. THERE IS A MAXIMUM F.A.R. OF 0.55 AS REQUIRED BY THE PC DISTRICT REGULATIONS.
6. THE MAXIMUM HEIGHT OF THE BUILDING, EXCLUSIVE OF ROOFTOP MECHANICAL EQUIPMENT AND SCREENING SHALL NOT EXCEED 45 FEET; HOWEVER, ARCHITECTURAL FEATURES, INCLUDING BUT NOT LIMITED TO TOWERS, THAT DO NOT ADD ANY USABLE FLOOR AREA MAY BE A MAXIMUM OF 60 FEET IN HEIGHT.

   THE MAXIMUM HEIGHT OF THE PAVILION AND THE INDOOR THEATRE TO BE CONSTRUCTED ON THE PROPERTY, INCLUDING ROOFTOP MECHANICAL EQUIPMENT, ARCHITECTURAL FEATURES AND SCREENING SHALL NOT EXCEED 60 FEET.
7. THERE IS A MINIMUM OPEN SPACE OF 35% AS REQUIRED BY THE PC DISTRICT REGULATIONS.
8. TRASH ENCLOSURES WILL ONLY BE LOCATED ON THE NORTH SIDE OF THE DEVELOPMENT.
9. TRANSFORMERS ON THE SOUTH SIDE OF THE BUILDING WILL BE COMPLETELY CONTAINED WITHIN THE SCREENED WALLS ADJACENT TO THE RETAIL DEVELOPMENT.
10. ROOF DRAINS, GUTTERS AND DOWNSPOUTS ON THE SOUTH SIDE OF THE DEVELOPMENT WILL BE INTERNAL.
11. ALL WALL MOUNTED UTILITIES WILL BE PAINTED TO MATCH THE BUILDING AND THEY WILL BE INSTALLED BELOW THE HEIGHT OF THE SCREEN WALL. ANY PIPING, CONDUIT, ETC., THAT NEEDS TO BE MOUNTED ABOVE THE SCREENING OR THAT NEEDS TO BE CONTINUED UP TO THE ROOF LINE, IS TO BE INTEGRATED INTO THE EXTERIOR FACADE.
12. ROOFTOP MECHANICAL EQUIPMENT WILL BE SCREENED FROM ALL DIRECTIONS.
13. SITE DRAINS TO MASTER DRAINAGE CHANNEL @ S.E. CORNER OF PROPERTY.
14. ALL PROPOSED MSD WATER QUALITY POROUS PAVEMENT BMPS WILL BE CONTAINED WITHIN A MAINTENANCE AGREEMENT WITH MSD. THE ACTUAL LOCATION AND SIZES OF THE FINAL MAINTENANCE BMPS WILL BE DETERMINED AND RECORDED PRIOR TO MSD CONSTRUCTION APPROVAL.

SETBACKS (PER ORDINANCE 3049)

15. STRUCTURE SETBACKS

    NO BUILDING, STRUCTURE, OTHER THAN: FREESTANDING PROJECT IDENTIFICATION SIGNS, LIGHT STANDARDS OR FLAG POLES WILL BE LOCATED WITHIN THE FOLLOWING SETBACKS:

    75 FEET FROM THE SOUTHERN BOUNDARY OF THE PC DISTRICT.
    25 FEET FROM THE NORTH, EAST AND WEST BOUNDARIES OF THE PC DISTRICT.

16. PARKING SETBACKS

    NO PARKING STALL, LOADING SPACE, INTERNAL DRIVEWAY, OR ROADWAY, EXCEPT POINT OF INGRESS OR EGRESS, WILL BE LOCATED WITHIN THE FOLLOWING SETBACKS:

    30 FEET FROM THE NORTH, SOUTH AND WEST BOUNDARIES OF THE PC DISTRICT.
    0 FEET FROM THE EASTERN BOUNDARY OF THE PC DISTRICT.

    THE ABOVE ZONING INFORMATION WAS PROVIDED BY THE CITY OF CHESTERFIELD, AND TO VERIFY, THE CLIENT SHOULD OBTAIN A ZONING ENDORSEMENT FROM THEIR TITLE COMPANY.

DISCLAIMER:

STOCK AND ASSOCIATES CONSULTING ENGINEERS, INC. AND THE UNDERSIGNED ENGINEER HAVE NO RESPONSIBILITY FOR SERVICES PROVIDED BY OTHERS TO IMPLEMENT THE IMPROVEMENTS SHOWN ON THIS PLAN AND ALL OTHER DRAWINGS WHERE THE UNDERSIGNED ENGINEER'S SEAL APPEARS. THE CONSTRUCTION MEANS AND METHODS ARE THE SOLE RESPONSIBILITY OF THE OWNER AND CONTRACTOR. STOCK AND ASSOCIATES CONSULTING ENGINEERS, INC. HAS NO RESPONSIBILITY TO VERIFY FINAL IMPROVEMENTS AS SHOWN ON THIS PLAN UNLESS SPECIFICALLY ENGAGED AND AUTHORIZED TO DO SO BY THE OWNER OR CONTRACTOR.

UTILITY NOTE:

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS, RECORDS AND INFORMATION, AND, THEREFORE DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NON-EXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE FACILITIES, STRUCTURES AND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS. THE UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION OR CONSTRUCTION OF IMPROVEMENTS. THESE PROVISIONS SHALL IN NO WAY ABSOLVE ANY PARTY FROM COMPLYING WITH THE UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT, CHAPTER 319 RSMo.

PREPARED FOR:
TSG CHESTERFIELD LIFESTYLE, LLC.
2127 INNERBELT BUSINESS CENTER DR.
SUITE 200, ST. LOUIS, MO 63114
PHONE: (314) 513-1500

BENCHMARK

#12-166
ELEV.=458.86

"STANDARD ALUMINUM DISK" STAMPED SL-32, 1990. DISK IS SET IN BETWEEN THE HWY I-64 NORTH OUTER ROAD AND THE WEST BOUND HWY. I-64; 19' SOUTH OF THE CENTERLINE OF THE NORTH BOUND LANE HWY. I-64. APPROXIMATELY 0.5 MILES EAST OF THE INTERSECTION OF BOONES CROSSING ROAD AND NORTH OUTER ROAD. (SL-32 WAS RESET FROM UNDERGROUND POSITION. THIS IS A NEW ELEVATION SET IN JULY 2002.) AS SHOWN HEREON

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP-CALL BEFORE YOU DIG!

UTILITY LOCATES

MISSOURI ONE-CALL: 811 OR 1-800-344-7483

PREPARED BY:
STOCK & ASSOCIATES Consulting Engineers, Inc.
257 Chesterfield Business Parkway
St. Louis, MO 63005 PH. (636) 530-9100 FAX (636) 530-9130
e-mail: general@stockassoc.com
Web: www.stockassoc.com

3RD AMENDED SITE DEVELOPMENT PLAN FOR:
THE DISTRICT
17017 NORTH OUTER 40 ROAD
CHESTERFIELD, MISSOURI 63005

DATE:
STATE OF MISSOURI
GEORGE MICHAEL STOCK
NUMBER PE-25116
PROFESSIONAL ENGINEER
[illegible]
10/2/2019
GEORGE M. STOCK E-25116
CIVIL ENGINEER
CERTIFICATE OF AUTHORITY
NUMBER: 000996

REVISIONS:

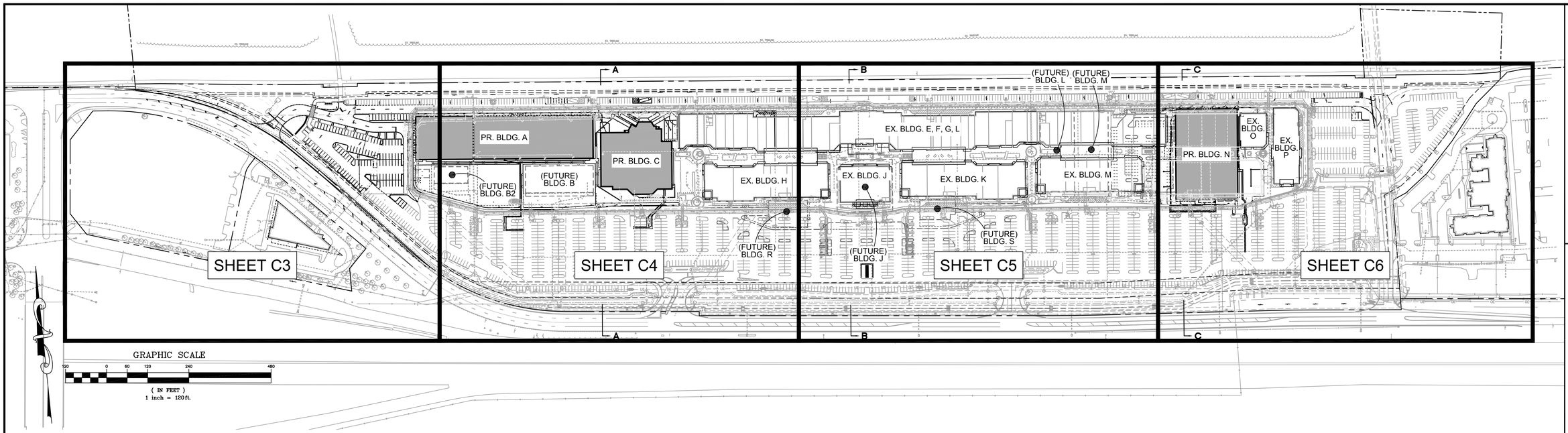
1	7/25/2019	City Comments
2	8/15/2019	City Comments
3	9/6/2019	City Comments
4	10/2/2019	City Comments

DRAWN BY: T.M.E.	CHECKED BY: G.M.S.
DATE: 06/25/2019	JOB NO: 218-6411
M.S.D. P #: P-	BASE MAP #: -
S.L.C. H&T #: XXXX	H&T S.U.P. #: XX-XXX-XX
M.D.N.R. #: MO-	

SHEET TITLE: TITLE SHEET

SHEET NO.: C1

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



PROPERTY DESCRIPTION

A TRACT OF LAND BEING ADJUSTED LOT 1 OF THE BOUNDARY ADJUSTMENT PLAT OF LOT 4 AND 5 OF THE JAMES LONG'S ESTATE AND PART OF LOTS 1 AND 2 OF THE SUBDIVISION OF LUDWELL BACON'S ESTATE, AND LOTS 6, 7, 8 AND 9 OF HERMAN FICKE ESTATE SUBDIVISION AND A TRACT OF LAND AS CONVEYED TO TAUBMAN PRESTIGE OUTLETS OF CHESTERFIELD, LLC BY INSTRUMENT RECORDED IN BOOK 20516, PAGE 2999 OF THE ST. LOUIS COUNTY RECORDS, LOCATED IN U.S. SURVEY 2031, TOWNSHIP 45 NORTH, RANGE 4 EAST OF THE FIFTH PRINCIPAL MERIDIAN CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI., BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF ABOVE SAID ADJUSTED LOT 1, SOUTH 01 DEGREE 38 MINUTES 15 SECONDS WEST, 32.40 FEET TO THE SOUTHEAST CORNER OF ABOVE SAID TAUBMAN TRACT, SAID POINT BEING LOCATED ON THE NORTH RIGHT-OF-WAY LINE OF NORTH OUTER 40 ROAD, VARIABLE WIDTH; THENCE ALONG SAID RIGHT-OF-WAY LINE THE FOLLOWING COURSES AND DISTANCES: NORTH 84 DEGREES 18 MINUTES 34 SECONDS WEST, 260.09 FEET TO A POINT OF CURVATURE TO THE LEFT HAVING A RADIUS OF 5,020.50 FEET; ALONG SAID CURVE WITH AN ARC LENGTH OF 117.62 FEET AND A CHORD WHICH BEARS, NORTH 84 DEGREES 58 MINUTES 50 SECONDS WEST, 117.62 FEET; NORTH 85 DEGREES 39 MINUTES 06 SECONDS WEST, 509.93 FEET TO A POINT OF CURVATURE TO THE RIGHT HAVING A RADIUS OF 5,005.00 FEET; ALONG SAID CURVE WITH AN ARC LENGTH OF 130.86 FEET AND A CHORD WHICH BEARS, NORTH 84 DEGREES 54 MINUTES 10 SECONDS WEST, 130.85 FEET; NORTH 84 DEGREES 09 MINUTES 13 SECONDS WEST, 1,030.57 FEET; NORTH 05 DEGREES 50 MINUTES 47 SECONDS EAST, 12.00 FEET; NORTH 84 DEGREES 09 MINUTES 13 SECONDS WEST, 389.67 FEET TO A POINT OF CURVATURE TO THE RIGHT HAVING A RADIUS OF 668.00 FEET AND ALONG SAID CURVE WITH AN ARC LENGTH OF 123.52 FEET AND A CHORD WHICH BEARS, NORTH 78 DEGREES 51 MINUTES 23 SECONDS WEST, 123.34 FEET TO THE SOUTHWESTERN CORNER OF ABOVE SAID ADJUSTED LOT 1, SAID POINT ALSO BEING LOCATED ON THE NORTHEASTERN RIGHT-OF-WAY LINE OF SAID NORTH OUTER 40 ROAD; THENCE CONTINUING IN A NORTHWESTERLY DIRECTION, ALONG SAID RIGHT-OF-WAY LINE AND THE WESTERN LINE OF SAID ADJUSTED LOT 1, THE FOLLOWING COURSES AND DISTANCES: ALONG SAID CURVE WITH AN ARC LENGTH 339.14 FEET AND A CHORD WHICH BEARS NORTH 59 DEGREES 00 MINUTES 53 SECONDS WEST, 335.51 FEET; NORTH 44 DEGREES 28 MINUTES 14 SECONDS WEST, 31.47 FEET; NORTH 42 DEGREES 33 MINUTES 41 SECONDS WEST, 359.33 FEET; SOUTH 47 DEGREES 26 MINUTES 19 SECONDS WEST, 6.47 FEET; NORTH 44 DEGREES 28 MINUTES 14 SECONDS WEST, 102.46 FEET TO A POINT OF CURVATURE TO THE LEFT HAVING A RADIUS OF 812.50 FEET; ALONG SAID CURVE WITH AN ARC LENGTH OF 36.26 FEET AND A CHORD WHICH BEARS, NORTH 45 DEGREES 44 MINUTES 56 SECONDS WEST, 36.25 FEET TO A POINT OF COMPOUND CURVATURE TO THE LEFT HAVING A RADIUS OF 100.00 FEET; ALONG SAID CURVE WITH AN ARC LENGTH OF 4.92 FEET AND A CHORD WHICH BEARS NORTH 48 DEGREES 26 MINUTES 15 SECONDS WEST,4.92 FEET TO A POINT OF COMPOUND CURVATURE TO THE LEFT HAVING A RADIUS OF 805.52 FEET; ALONG SAID CURVE WITH AN ARC LENGTH OF 268.82 FEET AND A CHORD WHICH BEARS NORTH 59 DEGREES 24 MINUTES 30 SECONDS WEST,287.57 FEET TO A POINT OF REVERSE CURVATURE TO THE RIGHT HAVING A RADIUS OF 100.00 FEET; ALONG SAID CURVE WITH AN ARC LENGTH OF 3.90 FEET AND A CHORD WHICH BEARS, NORTH 67 DEGREES 51 MINUTES 02 SECONDS WEST, 3.90 FEET TO A POINT OF REVERSE CURVATURE TO THE LEFT HAVING A RADIUS OF 800.50 FEET AND ALONG SAID CURVE WITH AN ARC LENGTH OF 177.04 FEET AND A CHORD WHICH BEARS, NORTH 73 DEGREES 04 MINUTES 06 SECONDS WEST, 176.68 FEET TO ITS INTERSECTION WITH THE WEST LINE SAID ADJUSTED LOT 1; THENCE ALONG SAID WEST LINE, NORTH 00 DEGREES 21 MINUTES 46 SECONDS EAST, 18.67 FEET TO THE NORTHWEST CORNER THEREOF; THENCE ALONG THE NORTHERN LINES OF SAID ADJUSTED LOT 1 THE FOLLOWING COURSES AND DISTANCES: SOUTH 89 DEGREES 38 MINUTES 26 SECONDS EAST, 75.65 FEET; SOUTH 83 DEGREES 33 MINUTES 04 SECONDS EAST, 203.31 FEET; SOUTH 83 DEGREES 57 MINUTES 15 SECONDS EAST, 199.86 FEET; SOUTH 85 DEGREES 08 MINUTES 30 SECONDS EAST, 70.09 FEET; SOUTH 04 DEGREES 51 MINUTES 30 SECONDS WEST, 9.00 FEET; SOUTH 85 DEGREES 32 MINUTES 19 SECONDS EAST, 99.85 FEET; NORTH 05 DEGREES 25 MINUTES 52 SECONDS EAST, 9.00 FEET; SOUTH 84 DEGREES 34 MINUTES 08 SECONDS EAST, 230.73 FEET; SOUTH 84 DEGREES 33 MINUTES 54 SECONDS EAST, 799.19 FEET; SOUTH 84 DEGREES 35 MINUTES 06 SECONDS EAST, 699.37 FEET; SOUTH 84 DEGREES 39 MINUTES 13 SECONDS EAST, 1,101.32 FEET; SOUTH 84 DEGREES 23 MINUTES 27 SECONDS EAST, 81.27 FEET; SOUTH 05 DEGREES 36 MINUTES 33 SECONDS WEST, 6.80 FEET; SOUTH 84 DEGREES 38 MINUTES 09 SECONDS EAST, 119.38 FEET; NORTH 05 DEGREES 17 MINUTES 33 SECONDS EAST, 8.00 FEET; SOUTH 84 DEGREES 42 MINUTES 27 SECONDS EAST, 95.20 FEET; SOUTH 84 DEGREES 22 MINUTES 35 SECONDS EAST, 98.38 FEET; SOUTH 87 DEGREES 39 MINUTES 27 SECONDS EAST, 96.96 FEET AND NORTH 85 DEGREES 20 MINUTES 22 SECONDS EAST, 14.76 FEET TO THE NORTHEASTERN CORNER OF SAID ADJUSTED LOT 1; THENCE ALONG THE EASTERN AND SOUTHEASTERN LINES OF SAID ADJUSTED LOT 1, THE FOLLOWING COURSES AND DISTANCES: SOUTH 07 DEGREES 30 MINUTES 12 SECONDS WEST, 22.65 FEET; SOUTH 50 DEGREES 31 MINUTES 21 SECONDS WEST, 99.71 FEET; SOUTH 38 DEGREES 40 MINUTES 37 SECONDS WEST, 130.29 FEET; SOUTH 43 DEGREES 35 MINUTES 48 SECONDS WEST, 119.08 FEET; SOUTH 52 DEGREES 55 MINUTES 22 SECONDS WEST, 83.69 FEET; SOUTH 66 DEGREES 52 MINUTES 23 SECONDS WEST, 42.59 FEET AND SOUTH 01 DEGREE 38 MINUTES 15 SECONDS WEST, 288.83 FEET TO THE POINT OF BEGINNING. CONTAINING 2,152,505 SQUARE FEET OR 49.415 ACRES, MORE OR LESS, ACCORDING TO CALCULATIONS PERFORMED BY STOCK & ASSOCIATES CONSULTING ENGINEERS, INC. ON JANUARY 30, 2019.

PROPERTY NOTES

(1) STOCK AND ASSOCIATES CONSULTING ENGINEERS, INC. USED EXCLUSIVELY OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY, COMMITMENT NO. 10131STL, WITH AN EFFECTIVE DATE OF FEBRUARY 27, 2018, AT 8:00 A.M. FOR RESEARCH OF EASEMENTS AND ENCUMBRANCES. NO FURTHER RESEARCH WAS PERFORMED BY STOCK AND ASSOCIATES CONSULTING ENGINEERS, INC.

(2) TITLE TO THE ESTATE OR INTEREST IN THE LAND DESCRIBED OR REFERRED TO IN THE ABOVE COMMITMENT AND COVERED THEREIN IS FEE SIMPLE AS TO PARCEL 1 AND 1A, AND EASEMENT AS TO PARCEL 2, AND TITLE THERETO IS AT THE EFFECTIVE DATE THEREOF VESTED IN:

TAUBMAN PRESTIGE OUTLETS OF CHESTERFIELD LLC,
A DELAWARE LIMITED LIABILITY COMPANY

(3) TITLE COMMITMENT NO. 10131STL WITH SCHEDULE B-SECTION 2 EXCEPTIONS:

(4) SUBJECT TO TERMS AND PROVISIONS OF THE AGREEMENT FOR RIGHT OF WAY RECORDED MAY 6, 1902 IN BOOK 130 PAGE 624, AFFECTS PARCEL 1. "NOT SHOWN" NOT PLOTTABLE

(5) INTENTIONALLY DELETED

(6) SUBJECT TO EASEMENT GRANTED TO UNION ELECTRIC COMPANY, BY THE INSTRUMENT RECORDED IN BOOK 6584 PAGE 1096, AFFECTS PARCEL 1. "SHOWN"

(7) SUBJECT TO EASEMENT GRANTED TO ST. LOUIS COUNTY WATER COMPANY, BY THE INSTRUMENT RECORDED IN BOOK 8571 PAGE 1601, AFFECTS PARCEL 1. "SHOWN"

(8) SUBJECT TO EASEMENT GRANTED TO ST. LOUIS COUNTY WATER COMPANY, BY THE INSTRUMENT RECORDED IN BOOK 8636 PAGE 38, AFFECTS PARCEL 1. "SHOWN"

(9) SUBJECT TO EASEMENT GRANTED TO WAYNE D. HAYNES AND RUTHANN E. HAYNES, HUSBAND AND WIFE, FOR INGRESS AND EGRESS FOR ROADWAY AND UTILITY PURPOSES, BY THE INSTRUMENT RECORDED IN BOOK 9054 PAGE 2047 AND FIRST AMENDMENT TO EASEMENT AGREEMENT RECORDED IN BOOK 20091 PAGE 1350, AFFECTS PARCEL 1. "SHOWN"

(10) SUBJECT TO EASEMENT GRANTED TO CARL R. TISONE, FOR A STRM. WATER SYSTEM, BY THE INSTRUMENT RECORDED IN BOOK 10179 PAGE 1829, AFFECTS PARCELS 1 AND 2. "SHOWN"

(11) SUBJECT TO EASEMENT GRANTED TO PUBLIC WATER SUPPLY DISTRICT NO. 2 OF ST. CHARLES COUNTY, MISSOURI BY INSTRUMENT RECORDED IN BOOK 11998 PAGE 2136, AFFECTS PARCEL 2. "SHOWN"

(12) SUBJECT TO EASEMENT GRANTED TO THE CITY OF CHESTERFIELD, FOR A HIKING, BIKING, AND A WALKING TRAIL, BY THE INSTRUMENT RECORDED IN BOOK 17132 PAGE 396, AFFECTS PARCEL 2. "SHOWN"

(13) SUBJECT TO EASEMENT GRANTED TO WAYNE D. HAYNES AND RUTHANN E. HAYNES, HUSBAND AND WIFE, FOR INGRESS AND EGRESS, BY THE INSTRUMENT RECORDED IN BOOK 17434 PAGE 242, AFFECTS PARCELS 1 AND 2. "SHOWN"

(14) SUBJECT TO TERMS AND PROVISIONS OF THE CHESTERFIELD OUTLETS SITE DEVELOPMENT PLAN, ACCORDING TO THE PLAN THEREOF RECORDED IN PLAT BOOK 360 PAGE 89, AFFECTS PARCEL 1. "NOT SHOWN" NOT SURVEY RELATED.

(15) SUBJECT TO RIGHTS IN FAVOR OF THE MONARCH-CHESTERFIELD LEVEE DISTRICT AS SHOWN ON THE SURVEY DATED 1947, AND AS SHOWN ON THE BOUNDARY ADJUSTMENT PLAT RECORDED IN PLAT BOOK 360 PAGE 137, AFFECTS PARCEL 2. "SHOWN" (RELEASED BY DEED BOOK 20091, PAGE 1210)

(16) SUBJECT TO RIGHTS OF INGRESS AND EGRESS IN FAVOR OF THE MONARCH-CHESTERFIELD LEVEE DISTRICT FOR ACCESS TO AND FROM ADJUSTED LOT 2 OF THE BOUNDARY ADJUSTMENT PLAT RECORDED IN PLAT BOOK 360 PAGE 137 AND THE LAND IDENTIFIED ON THE SAID BOUNDARY ADJUSTMENT PLAT AS LOCATOR NUMBER 16T110013, AFFECTS PARCELS 1 AND 2.

(17) SUBJECT TO PERMANENT LEVEE EASEMENT DEED GRANTED TO MONARCH-CHESTERFIELD LEVEE DISTRICT, BY THE INSTRUMENT RECORDED IN BOOK 20091 PAGE 1240, AFFECTS PARCEL 1. "SHOWN"

(18) SUBJECT TO ACCESS EASEMENT DEED GRANTED TO MONARCH-CHESTERFIELD LEVEE DISTRICT, BY THE INSTRUMENT RECORDED IN BOOK 20091 PAGE 1221, AFFECTS PARCEL 1. "SHOWN"

(19) SUBJECT TO DECLARATION OF COVENANTS AND PROTECTIVE RESTRICTIONS (46'-96') BY AND BETWEEN TAUBMAN PRESTIGE OUTLETS OF CHESTERFIELD LLC AND THE MONARCH-CHESTERFIELD LEVEE DISTRICT, BY THE INSTRUMENT RECORDED IN BOOK 20091 PAGE 1257, AFFECTS PARCEL 1. PROTECTED EXCAVATION AREA "SHOWN"

(20) SUBJECT TO DECLARATION OF COVENANTS AND PROTECTIVE RESTRICTIONS (96'-478') BY AND BETWEEN TAUBMAN PRESTIGE OUTLETS OF CHESTERFIELD LLC AND 20. THE MONARCH-CHESTERFIELD LEVEE DISTRICT, BY THE INSTRUMENT RECORDED IN BOOK 20091 PAGE 1276, AFFECTS PARCEL 1. PROTECTED EXCAVATION AREA "SHOWN"

(21) SUBJECT TO ACCESS AND PARKING EASEMENT AGREEMENT GRANTED TO THE CITY OF CHESTERFIELD, MISSOURI, BY THE INSTRUMENT RECORDED IN BOOK 20091 21. PAGE 1293, AFFECTS PARCEL 1. "SHOWN"

(22) SUBJECT TO CHESTERFIELD VALLEY STRM. WATER EASEMENT GRANTED TO THE CITY OF CHESTERFIELD, MISSOURI, BY THE INSTRUMENT RECORDED IN BOOK 20091 PAGE 1332, AFFECTS PARCEL 1. "SHOWN"

PROPERTY NOTES (continued)

(23) SUBJECT TO CULVERT MAINTENANCE AGREEMENT GRANTED TO THE CITY OF CHESTERFIELD, MISSOURI, BY THE INSTRUMENT RECORDED IN BOOK 20091 PAGE 1341, AFFECTS PARCEL 1. BLANKET INGRESS/EGRESS FOR INSPECTION/REPAIR OF CULVERT

(24) SUBJECT TO TERMS AND PROVISIONS OF THE TRANSPORTATION DEVELOPMENT AGREEMENT EVIDENCED BY THE MEMORANDUM OF TRANSPORTATION DEVELOPMENT AGREEMENT RECORDED ON JULY 25, 2012 IN BOOK 20091 PAGE 1372, AFFECTS PARCEL 1. "NOT SHOWN" NOT SURVEY RELATED.

(25) SUBJECT TO RIGHT OF WAY OF THE EXISTING LEVEE OVER THAT PART OF THE SUBJECT LAND EMBRACED THEREIN, AFFECTS PARCELS 1 AND 2.

(26) SUBJECT TO COVENANTS AND CONDITIONS, AND TERMS AND PROVISIONS OF THE PARKING EASEMENT AGREEMENT EXECUTED BY AND BETWEEN MONARCH CHESTERFIELD LEVEE DISTRICT, A MISSOURI LEVEE DISTRICT, GRANTOR AND TAUBMAN PRESTIGE OUTLETS OF CHESTERFIELD LLC, A DELAWARE LIMITED LIABILITY COMPANY, GRANTEE, DATED AS OF JULY 25, 2012 RECORDED JULY 27, 2012 IN BOOK 20091 PAGE 1358 AND RE-RECORDED AUGUST 3, 2012 IN BOOK 20100 PAGE 2935, AFFECTS PARCEL 2. "SHOWN"

(27) SUBJECT TO EASEMENT TO PUBLIC WATER SUPPLY DISTRICT NO. 2 OF ST. CHARLES COUNTY, MISSOURI AS CREATED BY INSTRUMENT RECORDED IN BOOK 11446 PAGE 391, AFFECTS PARCEL 2. "SHOWN"

(28) SUBJECT TO MAINTENANCE AGREEMENT BY AND BETWEEN WAYNE D. HAYNES AND RUTHANN E. HAYNES AND CARL R. TISONE ACCORDING TO INSTRUMENT RECORDED IN BOOK 10179 PAGE 1832, AFFECTS PARCEL 2. EASEMENT AREAS "SHOWN"

(29) SUBJECT TO RIGHTS OF UTILITIES FOR UTILITY FACILITIES WITHIN THE SUBJECT LAND, IF ANY, AS RESERVED BY THE QUIT CLAIM DEED RECORDED MARCH 13, 2013 IN BOOK 20411 PAGE 766, AFFECTS PARCEL 2.

(30) SUBJECT TO RESERVATION OF THE RIGHTS OF DIRECT ACCESS TO INTERSTATE 64 AS RESERVED BY THE QUIT CLAIM DEED RECORDED MARCH 13, 2013 IN BOOK 20411 PAGE 766, AFFECTS PARCEL 2.

(31) SUBJECT TO RIGHT OF WAY RESERVED BY ST. LOUIS COUNTY, MISSOURI, FOR A PERMANENT ROADWAY IMPROVEMENT MAINTENANCE UTILITY EASEMENT BY THE QUIT CLAIM DEED RECORDED MARCH 15, 2013 IN BOOK 20415 PAGE 305, AFFECTS PARCEL 2. "SHOWN"

(32) SUBJECT TO RIGHTS OF UTILITIES FOR UTILITY FACILITIES WITHIN THE SUBJECT LAND, IF ANY, AS RESERVED IN THE QUIT CLAIM DEED RECORDED MARCH 15, 2013 IN 32. BOOK 20415 PAGE 305, AFFECTS PARCEL 2. RIGHT OF WAY TRANSFER AND PRIMUE "SHOWN"

(33) SUBJECT TO TERMS AND PROVISIONS OF THE MAINTENANCE AGREEMENT WITH THE METROPOLITAN ST. LOUIS SEWER DISTRICT RECORDED IN BOOK 20117 PAGE 33. 2292, INCLUDING A PROVISION FOR SEWER ASSESSMENTS. SEWER ASSESSMENTS, IF ANY. "SHOWN"

(34) SEWER ASSESSMENTS "NOT SHOWN" NOT SURVEY RELATED.

(35) SUBJECT TO EASEMENT GRANTED TO THE METROPOLITAN ST. LOUIS SEWER DISTRICT, BY THE INSTRUMENT RECORDED IN BOOK 20117 PAGE 2305. "SHOWN"

(36) EASEMENT GRANTED TO MISSOURI AMERICAN WATER COMPANY, BY THE INSTRUMENT RECORDED IN BOOK 20280 PAGE 1769. "SHOWN"

(37) SUBJECT TO EASEMENT GRANTED TO UNION ELECTRIC COMPANY, BY THE INSTRUMENT RECORDED IN BOOK 20333 PAGE 1584. "SHOWN"

(38) SUBJECT TO EASEMENT GRANTED TO UNION ELECTRIC COMPANY, BY THE INSTRUMENT RECORDED IN BOOK 20333 PAGE 1589. "SHOWN"

(39) SUBJECT TO EASEMENT GRANTED TO MISSOURI AMERICAN WATER COMPANY, BY THE INSTRUMENT RECORDED IN BOOK 20518 PAGE 2751. "SHOWN"

(40) SUBJECT TO TERMS AND PROVISIONS OF THE AMENDED SITE DEVELOPMENT PLAN, ACCORDING TO THE PLAN THEREOF RECORDED IN PLAT BOOK 360 PAGE 341. "NOT SHOWN" NOT SURVEY RELATED

(41) SUBJECT TO TERMS AND PROVISIONS OF THE 2ND AMENDED SITE DEVELOPMENT PLAN, ACCORDING TO THE PLAN THEREOF RECORDED IN PLAT BOOK 361 PAGE 231. "NOT SHOWN" NOT SURVEY RELATED

(42) SUBJECT TO TERMS AND PROVISIONS OF THE LEASE EXECUTED BY AND BETWEEN TAUBMAN PRESTIGE OUTLETS OF CHESTERFIELD LLC, A DELAWARE LIMITED LIABILITY COMPANY, LANDLORD AND RALPH LAUREN RETAIL, INC., A DELAWARE CORPORATION, TENANT, OF AN UNDISCLOSED DATE, FOR A TERM OF TEN YEARS, INCLUDING FOUR SUCCESSIVE FIVE YEAR OPTIONS TO EXTEND THE TERM. NOTICE OF THE LEASE IS GIVEN BY THE MEMORANDUM OF LEASE RECORDED APRIL 3, 2014 IN BOOK 20947 PAGE 0935. "NOT SHOWN" NOT SURVEY RELATED.

SURVEYOR'S CERTIFICATION

THIS IS TO CERTIFY THAT" STOCK & ASSOCIATES CONSULTING ENGINEERS, INC. HAVE, DURING DECEMBER, 2018, BY ORDER AND FOR THE USE OF THE STAENBERG GROUP, EXECUTED A PARTIAL TCPOGRAPHIC SURVEY OF PART OF ADJUSTED LOT 1, AND THAT THE RESULTS OF SAID TOPOGRAPHIC SURVEY ARE SHOWN HEREON. WE FURTHER CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM AN ACTUAL FIELD SURVEY, AND SAID SURVEY DOES NOT REPRESENT A PROPERTY BOUNDARY SURVEY.

STOCK AND ASSOCIATES CONSULTING ENGINEERS, INC.
LC NO. 222

By: _____ 1/25/19
Walter J. Pfleger, Missouri L.S. No. 2008-000728

STATE OF MISSOURI — WALTER-JOSEPH PFLEGER — NUMBER 2008000728 — LAND SURVEYOR

Structure Usage Summary											
Structure Designation	Status	Gross Structure Area (G.L.A.)	Building Use	Gross Leasable Area (G.L.A.)	Total (G.F.A.)	Total (G.L.A.)	Retail Usage (G.L.A.)	Recreational Usage (G.L.A.)	Restaurant Usage (G.L.A.)	Theater Usage (G.L.A.)
A	Proposed	66,432 sq. ft.	Garage	375 spaces	--	--	--	--	--	--
C	Proposed	52,063 sq. ft.	Theater	3,000 seats	52,063	52,063	--	--	--	52,063
E, F, G, L	Existing	139,370 sq. ft.	Retail	119,333 sq. ft.	139,370	128,904	119,333	--	--	--
			Restaurant	9,571 sq. ft.			--	--	9,571	--
H	Existing	36,200 sq. ft.	Retail	27,820 sq. ft.	36,200	35,820	27,820	--	--	--
			Restaurant	8,000 sq. ft.			--	--	8,000	--
J	Existing	15,409 sq. ft.	Retail	15,409 sq. ft.	15,339	15,339	15,339	--	--	--
K	Existing	36,230 sq. ft.	Retail	27,815 sq. ft.	36,230	35,315	27,815	--	--	--
			Restaurant	7,500 sq. ft.			--	--	7,500	--
M	Existing	30,670 sq. ft.	Retail	30,192 sq. ft.	30,670	30,192	30,192	--	--	--
N	Proposed	48,559 sq. ft.	Recreation	48,559 sq. ft.	48,559	48,559	--	48,559	--	--
O	Existing	7,738 sq. ft.	Retail	7,347 sq. ft.	7,738	7,347	7,347	--	--	--
P	Existing	16,700 sq. ft.	Retail	16,269 sq. ft.	16,700	16,269	16,269	--	--	--
				Total:	382,939	369,608	243,915	48,559	25,071	52,063
Total Site Area:	2,097,445 sq. ft.			Proposed F.A.R.	18.26%		Percentage of Restaurant Use		6.78%	

(1) Per City of Chesterfield Unified Development Code, Section 31-10-01, the Gross Floor Area excludes loading or parking areas.

GEOTECHNICAL ENGINEER'S STATEMENT

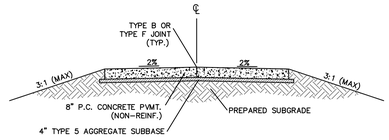
Midwest Testing and the undersigned engineer have not prepared the plan on this sheet. The seal of the undersigned professional engineer has been affixed at the request of the City of Chesterfield and is a professional opinion to indicate that the undersigned has reviewed the plans and that in his opinion the grading and improvements relative to slope construction as shown on the plans, as well as the foundations, are compatible with the soil and geologic conditions at the site as described in the geotechnical report for the development, titled *Geotechnical Exploration—MT Job No. 14851—The District—Chesterfield, Missouri* and dated August 14, 2019.

Midwest Testing and the undersigned assume no responsibility for services by others, pursuant to RSMO 327.411.

Construction means and methods for implementation of the grading plan shall be left to the developer/contractor. Observations of the developer/contractor's compliance with the applicable specifications shall be identified and verified in writing.

MIDWEST TESTING
Richard D. Laughlin, P.E.
Missouri PE No. E-20132

STATE OF MISSOURI — RICHARD DAVID LAUGHLIN — NUMBER E-20132 — REGISTERED PROFESSIONAL ENGINEER



COMMERCIAL ENTRANCES
TYPICAL SECTION
(ST. LOUIS COUNTY SECTION)

PROPOSED SITE DEVELOPMENT INFORMATION

1. OVERALL LOT AREA = 48.151 acres ± (2,097,445 s.f.)

2. PROPOSED BUILDING FOOTPRINTS = 382,939 s.f. G.F.A. [369,608 s.f. G.L.A.]
GROSS FLOOR AREA (G.F.A.) [GROSS LEASABLE AREA (G.L.A.)]

3. FLOOR AREA RATIO (F.A.R.) = 382,939 s.f. G.F.A. / 2,097,445 S.F. SITE
= 18.26%
(ORDINANCE #3049 MAX FLOOR AREA = 500,000 s.f.)

4. OPEN SPACE CALCULATIONS

OVERALL AREA	= 2,097,445 s.f.	(48.151 acres ±)	= 100%
TOTAL BUILDING AREA	= 382,939 s.f.	(8.791 acres ±)	= 18.26%
TOTAL PAVED PARKING AREA	= 990,220 s.f.	(22.732 acres ±)	= 47.21%
TOTAL OPEN SPACE	= 724,286 s.f.	(16.627 acres ±)	= 34.53%

NOTE: 30% OPEN SPACE IS REQUIRED FOR THIS DEVELOPMENT BY CITY OF CHESTERFIELD ORDINANCE 3049, SECTION B.3.A. THE EXISTING STORM WATER IMPROVEMENTS COMPLY WITH THIS REQUIREMENT.

5. PARKING CALCULATIONS
REQUIRED PARKING = 4.50 SPACES PER 1,000 s.f. OF LEASABLE FLOOR AREA (RETAIL CENTER) (a*)
1.00 SPACES PER 4 SEATS (THEATER, INDOOR) (b)

= (317,545 s.f. AT 4.50 / 1,000) + (3,000 SEATS AT 1.00 / 4)
= 1,428 + 750 = 2,178 SPACES REQUIRED

ACCESSIBLE PARKING = ACCESSIBLE PARKING PROVIDED PER CODE: 20 PLUS ONE ONE FOR EACH 100 OR FRACTION THEREOF, OVER 1,000 SPACES.

= 20 + 1 x (1,178 / 100) = 32 ACCESSIBLE SPACES REQUIRED

NOTE: (a) PER SECTION 31-04-04.D.12.a: RETAIL CENTER, WITH PERCENTAGE OF GROSS FLOOR AREA* IN RESTAURANT USE
0% - 10% WITH A CENTER SIZE OF 100,001 s.f. - 400,000 s.f.
* GROSS FLOOR AREA MODIFIED TO LEASABLE FLOOR AREA

(b) SUBSECTION (1). FOR RETAIL CENTERS THAT INCLUDE A THEATER USE WITH MORE THAN TWO HUNDRED FIFTY (250) SEATS, THE MINIMUM PARKING REQUIREMENT FOR THE THEATER PORTION OF THE DEVELOPMENT SHALL BE PARKED AS A STAND-ALONE USE.

PARKING PROVIDED = 2,509 SPACES (INCLUDES 41 ACCESSIBLE SPACES)
[+331 SURPLUS SPACES (+15.20%)]

NOTE: (c) ACCESSIBLE CAR PARKING SPACES SHALL BE AT LEAST 9 ft. WIDE WITH AN ADJACENT 5 ft. WIDE DESIGNATED ACCESS AISLE. VAN-ACCESSIBLE PARKING SPACES SHALL BE AT LEAST 9 ft. WIDE WITH AN ADJACENT 8 ft. WIDE DESIGNATED ACCESS AISLE. FOR EVERY 4 OR FRACTION OF 4 ACCESSIBLE PARKING SPACES, AT LEAST ONE SHALL BE A VAN-ACCESSIBLE PARKING SPACE. 2 ACCESSIBLE SPACES MAY BE PROVIDED ON EACH SIDE OF A SHARED ACCESS AISLE.

(d) ACCESSIBLE PARKING SPACES SHALL BE IDENTIFIED BY A SIGN SHOWING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. SIGNAGE SHALL NOT BE OBSCURED BY A VEHICLE PARKED IN THE SPACE.

6. LOADING CALCULATIONS
REQUIRED LOADING = FIVE (5) 10' x 40' LOADING SPACES FOR RETAIL CENTERS HAVING 150,001-200,000 s.f.
PLUS ONE (1) ADDITIONAL 10' x 40' SPACE FOR EACH ADDITIONAL 100,000 s.f. OF BUILDING AREA. (a)
TWO (2) 10' x 25' AND ONE (1) 10' x 40' LOADING SPACES FOR INDOOR THEATERS HAVING 25,001-100,000 s.f. OF BUILDING AREA (b)

= RETAIL CENTER: 315,382 s.f. LEASABLE FLOOR AREA REQUIRES:
7 - 10' x 40' LOADING SPACES
INDOOR THEATER: 52,063 s.f. LEASABLE FLOOR AREA REQUIRES:
2 - 10' x 25' AND 1 - 10' x 40' LOADING SPACES

= TOTAL: 2 - 10' x 25' AND 8 - 10' x 40'

NOTE: (a) PER SECTION 31-04-04.D.12.c: RETAIL CENTERS SHALL PROVIDE LOADING SPACES IN ACCORDANCE WITH SECTION 31-04-04(E), TABLE A.

(b) PER SECTION 31-04-04.D.9: INDOOR THEATER AS A STAND ALONE USE SHALL BE IN ACCORDANCE WITH SECTION 31-04-04(E), TABLE B.

PROVIDED LOADING = 4-12' x 60' BUS PARKING, 1-10' x 35' LOADING AREA, 3-10' x 55' LOADING AREA, 1-10' x 70' LOADING AREA, 1-10' x 100' LOADING AREA, 1-10' x 165' LOADING AREA, 1-10' x 180' LOADING AREA, 3-12' x 55' LOADING AREA, 1 - 12' x 100' LOADING AREA

PREPARED BY:
STOCK & ASSOCIATES Consulting Engineers, Inc.
257 Chesterfield Business Parkway
St. Louis, MO. 63005 PH. (636) 530-9100 FAX (636) 530-9130
e-mail: general@stockassoc.com
Web: www.stockassoc.com

3RD AMENDED SITE DEVELOPMENT PLAN FOR:

THE DISTRICT

17017 NORTH OUTER 40 ROAD
CHESTERFIELD, MISSOURI 63005

DATE:
GEORGE MICHAEL STOCK — NUMBER PE-25116 — STATE OF MISSOURI — PROFESSIONAL ENGINEER
10/2/2019
GEORGE M. STOCK E-25116
CIVIL ENGINEER
CERTIFICATE OF AUTHORITY NUMBER: 000996

REVISIONS:

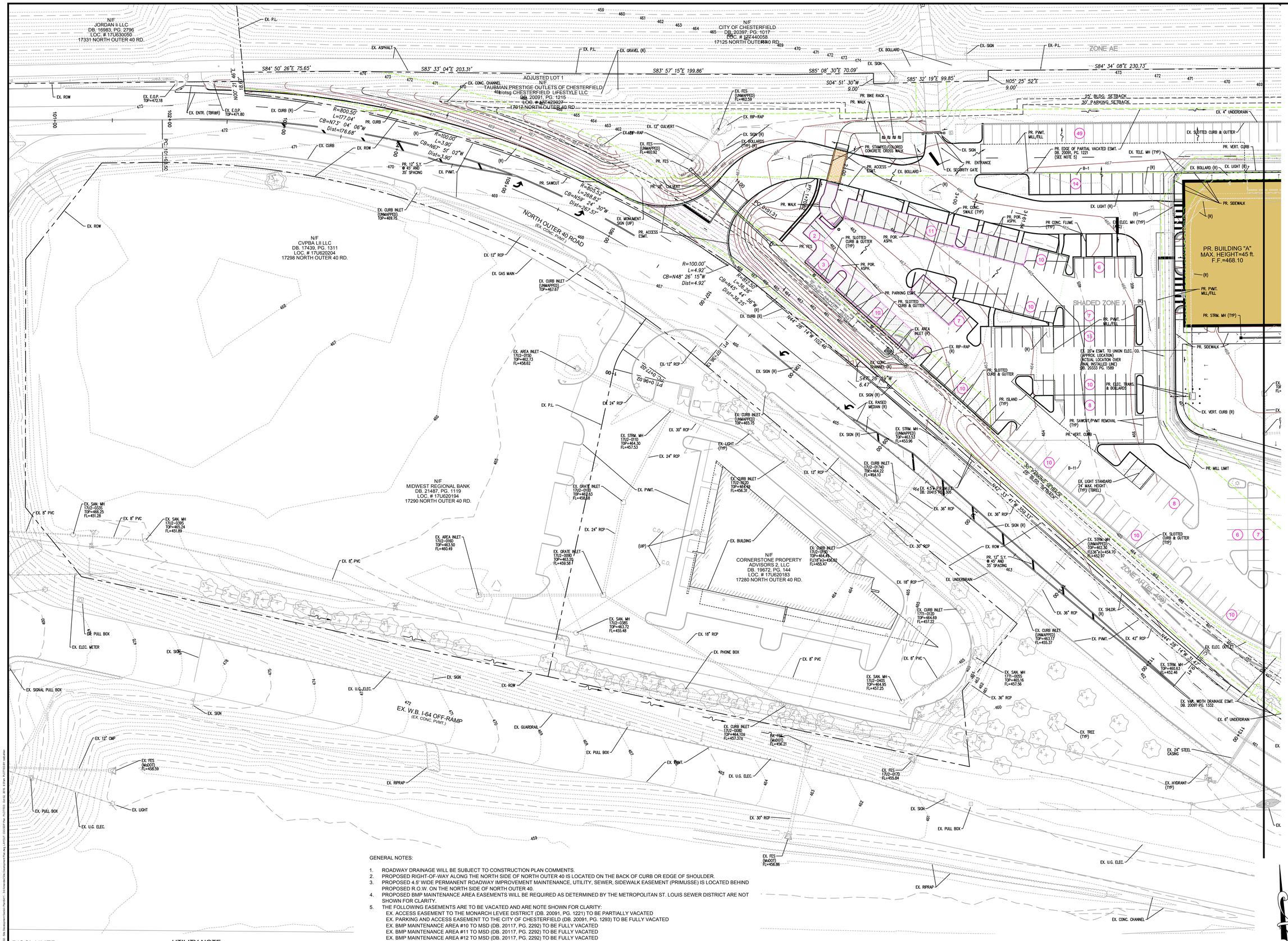
1	7/25/2019	City Comments
2	8/5/2019	City Comments
3	9/6/2019	City Comments
4	10/2/2019	City Comments

DRAWN BY: T.M.E.	CHECKED BY: G.M.S.
DATE: 06/25/2019	JOB NO. 218-6411
M.S.D. P #: P--	BASE MAP #: --
S.L.C. H&T #: XXXX	H&T S.U.P. #: XX-XXX-XX
M.D.N.R. #: MO--	

SHEET TITLE:
GENERAL NOTES

SHEET NO.:
C2

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



GENERAL NOTES:

1. ROADWAY DRAINAGE WILL BE SUBJECT TO CONSTRUCTION PLAN COMMENTS.
2. PROPOSED RIGHT-OF-WAY ALONG THE NORTH SIDE OF NORTH OUTER 40 IS LOCATED ON THE BACK OF CURB OR EDGE OF SHOULDER.
3. PROPOSED 4.5' WIDE PERMANENT ROADWAY IMPROVEMENT MAINTENANCE, UTILITY, SEWER, SIDEWALK EASEMENT (PRIMUSSE) IS LOCATED BEHIND PROPOSED R.O.W. ON THE NORTH SIDE OF NORTH OUTER 40.
4. PROPOSED BMP MAINTENANCE AREA EASEMENTS WILL BE REQUIRED AS DETERMINED BY THE METROPOLITAN ST. LOUIS SEWER DISTRICT ARE NOT SHOWN FOR CLARITY.
5. THE FOLLOWING EASEMENTS ARE TO BE VACATED AND ARE NOTE SHOWN FOR CLARITY:
   EX. ACCESS EASEMENT TO THE MONARCH LEVEE DISTRICT (DB. 20091, PG. 1221) TO BE PARTIALLY VACATED
   EX. PARKING AND ACCESS EASEMENT TO THE CITY OF CHESTERFIELD (DB. 20091, PG. 1293) TO BE FULLY VACATED
   EX. BMP MAINTENANCE AREA #10 TO MSD (DB. 20117, PG. 2292) TO BE FULLY VACATED
   EX. BMP MAINTENANCE AREA #11 TO MSD (DB. 20117, PG. 2292) TO BE FULLY VACATED
   EX. BMP MAINTENANCE AREA #12 TO MSD (DB. 20117, PG. 2292) TO BE FULLY VACATED
   EX. BMP MAINTENANCE AREA #13 TO MSD (DB. 20117, PG. 2292) TO BE FULLY VACATED
6. EXISTING CURBS, DRIVE ISLES AND LANDSCAPING WEST OF THE PROPOSED PARKING GARAGE NOT SHOWN FOR CLARITY.
7. EXISTING AND PROPOSED HEAVY DUTY / LIGHT DUTY ASPHALT LIMITS NOT SHOWN FOR CLARITY.
8. PER THE CITY OF CHESTERFIELD, THE FOLLOWING EASEMENTS REMAIN IN PLACE AND ARE NOT SHOWN FOR CLARITY:
   EX. LEVEE PROTECTED EXCAVATION AREA (DB. 20091, PG. 1257 & DB. 20091, PG. 1276 [REFER TO SITE SECTIONS FOR ADDITIONAL DETAILS])
   EX. ESMT. TO MONARCH-CHESTERFIELD LEVEE DISTRICT AS SHOWN ON SURVEY OF SAME DATED 1947 (PG 1947-1948 [RELEASED BY DB. 20091, PG. 1210])
   EX. 20'w ESMT. TO ST. LOUIS COUNTY WATER COMPANY (DB. 8571, PG. 160 [LIMITS CONTAINED WITHIN R.O.W. & SUBORDINATED])
   EX. 20'w ESMT. TO ST. LOUIS COUNTY WATER COMPANY (DB. 8636, PG. 38 [PORTION VACATED BY DB. 20518, PG. 2751])
   EX. 20'w ESMT. TO CARL R. TISONE FOR STORMWATER DRAINAGE (DB. 10179, PG. 1829 [TERMINATED] & DB. 10179, PG. 1832 [TERMINATION UNKNOWN])

DISCLAIMER:

STOCK AND ASSOCIATES CONSULTING ENGINEERS, INC. AND THE UNDERSIGNED ENGINEER HAVE NO RESPONSIBILITY FOR SERVICES PROVIDED BY OTHERS TO IMPLEMENT THE IMPROVEMENTS SHOWN ON THIS PLAN AND ALL OTHER DRAWINGS WHERE THE UNDERSIGNED ENGINEER'S SEAL APPEARS. THE CONSTRUCTION MEANS AND METHODS ARE THE SOLE RESPONSIBILITY OF THE OWNER AND CONTRACTOR. STOCK AND ASSOCIATES CONSULTING ENGINEERS, INC. HAS NO RESPONSIBILITY TO VERIFY FINAL IMPROVEMENTS AS SHOWN ON THIS PLAN UNLESS SPECIFICALLY ENGAGED AND AUTHORIZED TO DO SO BY THE OWNER OR CONTRACTOR.

UTILITY NOTE:

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS, RECORDS AND INFORMATION, AND, THEREFORE DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NON-EXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE FACILITIES, STRUCTURES AND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS. THE UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION OR CONSTRUCTION OF IMPROVEMENTS. THESE PROVISIONS SHALL IN NO WAY ABSOLVE ANY PARTY FROM COMPLYING WITH THE UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT, CHAPTER 319 RSMo.

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

PREPARED BY:

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

3RD AMENDED SITE DEVELOPMENT PLAN FOR:

THE DISTRICT

17017 NORTH OUTER 40 ROAD
CHESTERFIELD, MISSOURI 63005

DATE:

STATE OF MISSOURI
GEORGE MICHAEL STOCK
NUMBER PE-25116
PROFESSIONAL ENGINEER

10/2/2019

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

REVISIONS:

1	7/25/2019	City Comments
2	8/15/2019	City Comments
3	9/6/2019	City Comments
4	10/2/2019	City Comments

DRAWN BY: T.M.E.	CHECKED BY: G.M.S.
DATE: 06/25/2019	JOB NO. 218-6411
M.S.D. P #: 17--	BASE MAP #: --
S.L.C. H&T #: XXXX	H&T S.U.P. #: XX-XXX-XX
M.D.N.R. #: M/O--	

SHEET TITLE:
SITE DEVELOPMENT PLAN

SHEET NO.:
C3

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MATCHLINE A-A (SEE SHEET SDP-C2)

MATCHLINE B-B (SEE SHEET SDP-C4)

A

A

N/F
CITY OF CHESTERFIELD
DB. 20397, PG. 1017
LOC. # 17T440058
17125 NORTH OUTER 40 RD.

ADJUSTED LOT 1
N/F
TAUBMAN PRESTIGE OUTLETS OF CHESTERFIELD
c/otsg CHESTERFIELD LIFESTYLE LLC
DB. 20091, PG. 1215
LOC: # 17T420027
17017 NORTH OUTER 40 RD.

NORTH OUTER 40 ROAD
(EX. CONC. PVMT.)

PR. BUILDING "A"
MAX. HEIGHT=45 ft.
F.F.=468.10

PR. BUILDING "C"
MAX. HEIGHT=60 ft.
F.F.=468.10

EX. BUILDING "E, F, G, L"
MAX. HEIGHT=45 ft.
F.F.=468.10

EX. BUILDING "H"
MAX. HEIGHT=45 ft.
F.F.=468.10

ZONE AH (EL. 459)

SHADED ZONE X

S84° 33' 54"E 799.19'

N05° 50' 47"E 12.00'

N84° 09' 13"W 389.67'

25' BLDG. SETBACK
30' PARKING SETBACK
75' BLDG. SETBACK

DISCLAIMER:

STOCK AND ASSOCIATES CONSULTING ENGINEERS, INC. AND THE UNDERSIGNED ENGINEER HAVE NO RESPONSIBILITY FOR SERVICES PROVIDED BY OTHERS TO IMPLEMENT THE IMPROVEMENTS SHOWN ON THIS PLAN AND ALL OTHER DRAWINGS WHERE THE UNDERSIGNED ENGINEER'S SEAL APPEARS. THE CONSTRUCTION MEANS AND METHODS ARE THE SOLE RESPONSIBILITY OF THE OWNER AND CONTRACTOR. STOCK AND ASSOCIATES CONSULTING ENGINEERS, INC. HAS NO RESPONSIBILITY TO VERIFY FINAL IMPROVEMENTS AS SHOWN ON THIS PLAN UNLESS SPECIFICALLY ENGAGED AND AUTHORIZED TO DO SO BY THE OWNER OR CONTRACTOR.

UTILITY NOTE:

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS, RECORDS AND INFORMATION, AND, THEREFORE DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NON-EXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE FACILITIES, STRUCTURES AND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS. THE UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION OR CONSTRUCTION OF IMPROVEMENTS. THESE PROVISIONS SHALL IN NO WAY ABSOLVE ANY PARTY FROM COMPLYING WITH THE UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT, CHAPTER 319 RSMo.

GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

PREPARED BY:
STOCK & ASSOCIATES
Consulting Engineers, Inc.
257 Chesterfield Business Parkway
St. Louis, MO. 63005 PH. (636) 530-9100 FAX (636) 530-9130
e-mail: general@stockassoc.com
Web: www.stockassoc.com

3RD AMENDED SITE DEVELOPMENT PLAN FOR:

THE DISTRICT

17017 NORTH OUTER 40 ROAD
CHESTERFIELD, MISSOURI 63005

DATE:

STATE OF MISSOURI
GEORGE MICHAEL STOCK
NUMBER PE-2011016
PROFESSIONAL ENGINEER

10/2/2019

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

REVISIONS:

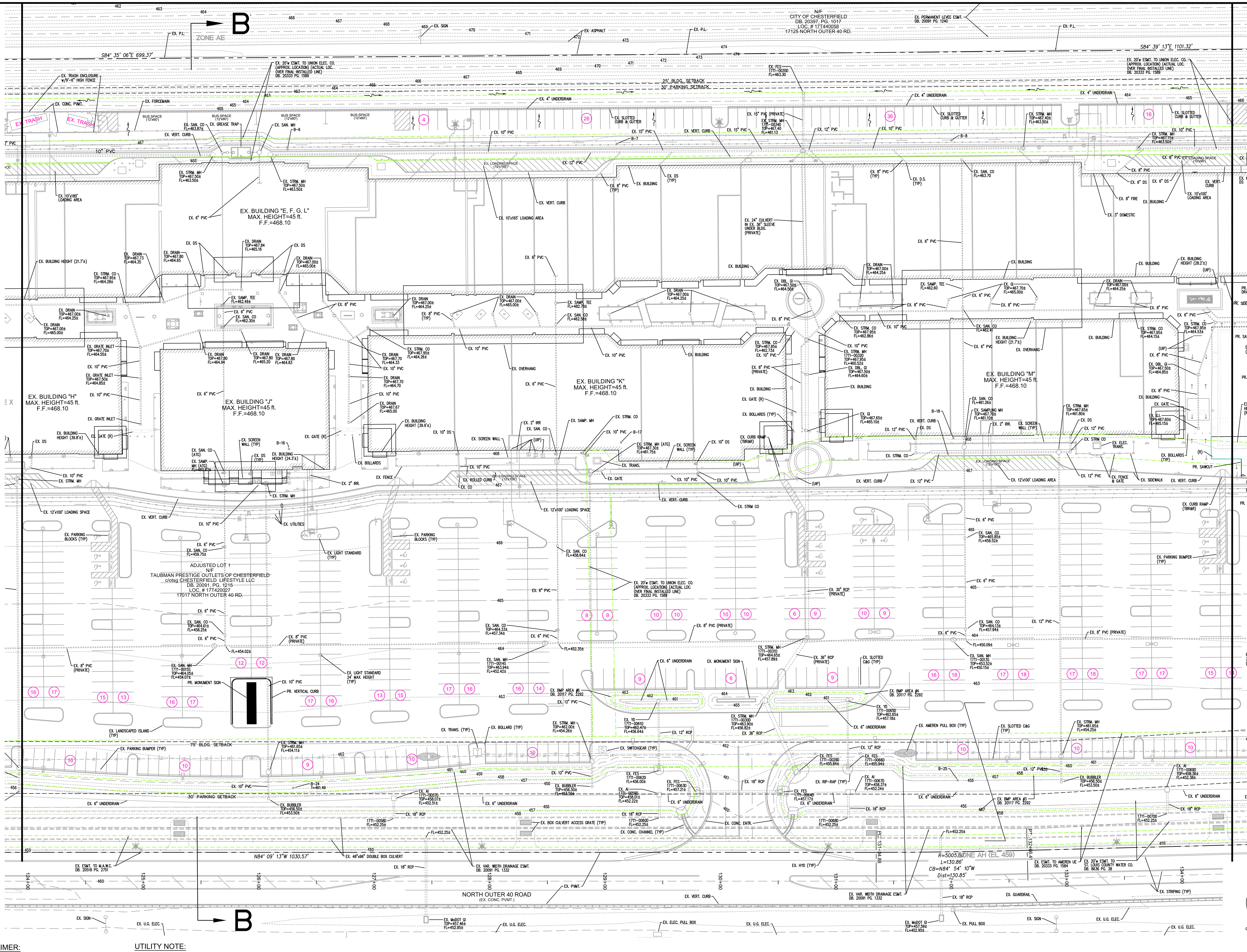
1	7/25/2019	City Comments
2	8/15/2019	City Comments
3	9/6/2019	City Comments
4	10/2/2019	City Comments

DRAWN BY: T.M.E.	CHECKED BY: G.M.S.
DATE: 06/25/2019	JOB NO.: 218-6411
M.S.D. P. # P--	BASE MAP # --
S.L.C. H&T #: XXXX	H&T S.U.P. #: XX-XXX-XX
M.D.N.R. #: MO--	

SHEET TITLE:
SITE DEVELOPMENT PLAN

SHEET NO.:
C4

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



DISCLAIMER:

STOCK AND ASSOCIATES CONSULTING ENGINEERS, INC. AND THE UNDERSIGNED ENGINEER HAVE NO RESPONSIBILITY FOR SERVICES PROVIDED BY OTHERS TO IMPLEMENT THE IMPROVEMENTS SHOWN ON THIS PLAN AND ALL OTHER DRAWINGS WHERE THE UNDERSIGNED ENGINEER'S SEAL APPEARS. THE CONSTRUCTION MEANS AND METHODS ARE THE SOLE RESPONSIBILITY OF THE OWNER AND CONTRACTOR. STOCK AND ASSOCIATES CONSULTING ENGINEERS, INC. HAS NO RESPONSIBILITY TO VERIFY FINAL IMPROVEMENTS AS SHOWN ON THIS PLAN UNLESS SPECIFICALLY ENGAGED AND AUTHORIZED TO DO SO BY THE OWNER OR CONTRACTOR.

UTILITY NOTE:

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS, RECORDS AND INFORMATION, AND, THEREFORE DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NON-EXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE FACILITIES, STRUCTURES AND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND FACILITIES, STRUCTURES, AND UTILITES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS. THE UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION OR CONSTRUCTION OF IMPROVEMENTS. THESE PROVISIONS SHALL IN NO WAY ABSOLVE ANY PARTY FROM COMPLYING WITH THE UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT, CHAPTER 319 RSMo.

PREPARED BY:

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

3RD AMENDED SITE DEVELOPMENT PLAN FOR:

THE DISTRICT

17017 NORTH OUTER 40 ROAD
CHESTERFIELD, MISSOURI 63005

DATE:

STATE OF MISSOURI
GEORGE MICHAEL STOCK
NUMBER PE-25116
PROFESSIONAL ENGINEER

10/2/2019

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

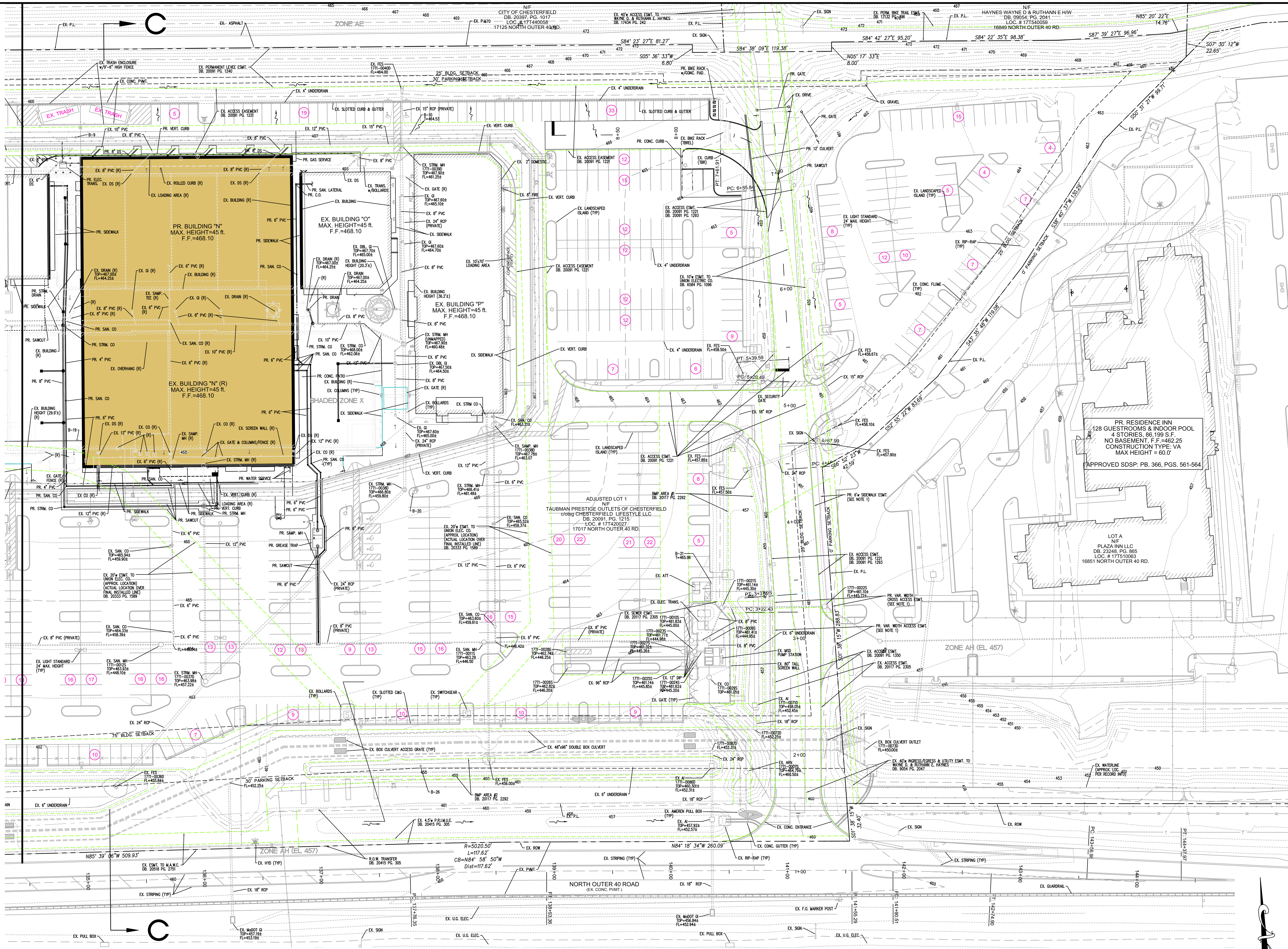
REVISIONS:

1	7/25/2019	City Comments
2	8/15/2019	City Comments
3	9/6/2019	City Comments
4	10/2/2019	City Comments

DRAWN BY: T.M.E.	CHECKED BY: G.M.S.
DATE: 06/25/2019	JOB NO: 218-6411
M.S.D. P #: P–	BASE MAP #: –
S.L.C. H&T #: XXXX	H&T S.U.P. #: XX-XXX-XX
M.D.N.R. #: MO–	

SHEET TITLE: SITE DEVELOPMENT PLAN

SHEET NO.: C5



DISCLAIMER:

STOCK AND ASSOCIATES CONSULTING ENGINEERS, INC. AND THE UNDERSIGNED ENGINEER HAVE NO RESPONSIBILITY FOR SERVICES PROVIDED BY OTHERS TO IMPLEMENT THE IMPROVEMENTS SHOWN ON THIS PLAN AND ALL OTHER DRAWINGS WHERE THE UNDERSIGNED ENGINEER'S SEAL APPEARS. THE CONSTRUCTION MEANS AND METHODS ARE THE SOLE RESPONSIBILITY OF THE OWNER AND CONTRACTOR. STOCK AND ASSOCIATES CONSULTING ENGINEERS, INC. HAS NO RESPONSIBILITY TO VERIFY FINAL IMPROVEMENTS AS SHOWN ON THIS PLAN UNLESS SPECIFICALLY ENGAGED AND AUTHORIZED TO DO SO BY THE OWNER OR CONTRACTOR.

UTILITY NOTE:

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS, RECORDS AND INFORMATION, AND, THEREFORE DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NON-EXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE FACILITIES, STRUCTURES AND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND FACILITIES, STRUCTURES, AND UTILITES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS. THE UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION OR CONSTRUCTION OF IMPROVEMENTS. THESE PROVISIONS SHALL IN NO WAY ABSOLVE ANY PARTY FROM COMPLYING WITH THE UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT, CHAPTER 319 RSMo.

GENERAL NOTES:

1. THE PROPOSED CROSS ACCESS AND SIDEWALK EASEMENT ARE INCLUDED AS SHOWN ON THE "RESIDENCE INN" IMPROVEMENT PROJECT (STOCK JOB NO. 217-6191.1).

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

PREPARED BY:

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

3RD AMENDED SITE DEVELOPMENT PLAN FOR:

THE DISTRICT

17017 NORTH OUTER 40 ROAD
CHESTERFIELD, MISSOURI 63005

DATE:

STATE OF MISSOURI
GEORGE MICHAEL STOCK
NUMBER PE-25116
PROFESSIONAL ENGINEER

10/2/2019

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

REVISIONS:

1	7/25/2019	City Comments
2	8/15/2019	City Comments
3	9/6/2019	City Comments
4	10/2/2019	City Comments

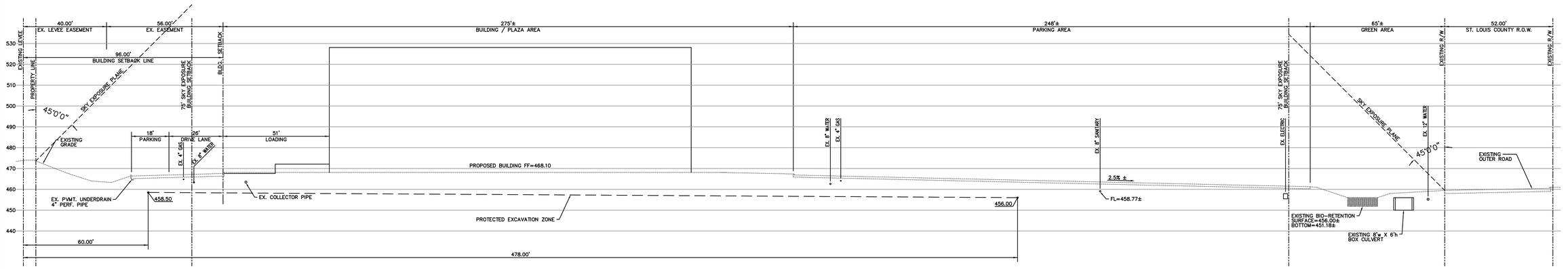
DRAWN BY: T.M.E.	CHECKED BY: G.M.S.
DATE: 06/25/2019	JOB NO: 218-6411
M.S.D. P #: P–	BASE MAP #: –
S.L.C. H&T #: XXXX	H&T S.U.P. #: XX–XXX–XX
M.D.N.R. #: MO–	

SHEET TITLE: SITE DEVELOPMENT PLAN

SHEET NO.: C6

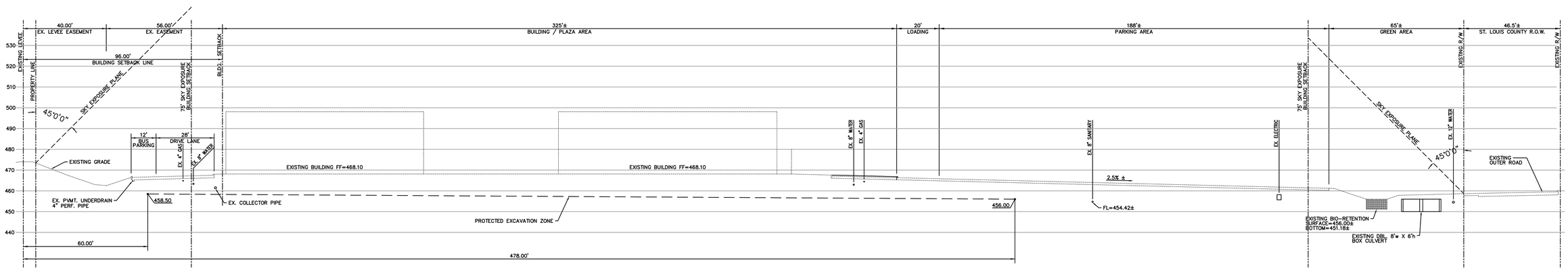
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

DRAWING FILE: O:\DRAW\6400\218\6411\Civil\Plans\02 - Site Development Section Plan\6411 - 3rd Amended Site Development Plan.dwg LAYOUT: C06-SDP Plan PLOTTED: Oct 02, 2019 - 9:38am PLOTTED BY: todd.ehlen



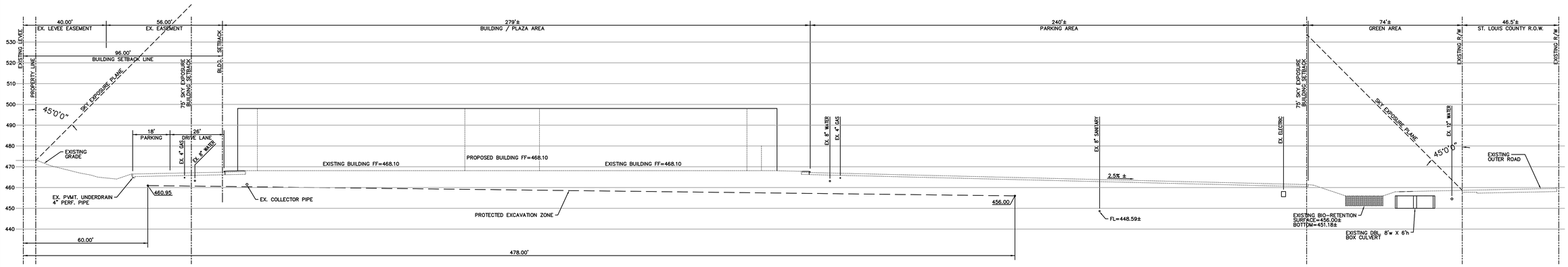
SITE SECTION A-A

SCALE: 1"=20'



SITE SECTION B-B

SCALE: 1"=20'



SITE SECTION C-C

SCALE: 1"=20'

DISCLAIMER:

STOCK AND ASSOCIATES CONSULTING ENGINEERS, INC. AND THE UNDERSIGNED ENGINEER HAVE NO RESPONSIBILITY FOR SERVICES PROVIDED BY OTHERS TO IMPLEMENT THE IMPROVEMENTS SHOWN ON THIS PLAN AND ALL OTHER DRAWINGS WHERE THE UNDERSIGNED ENGINEER'S SEAL APPEARS. THE CONSTRUCTION MEANS AND METHODS ARE THE SOLE RESPONSIBILITY OF THE OWNER AND CONTRACTOR. STOCK AND ASSOCIATES CONSULTING ENGINEERS, INC. HAS NO RESPONSIBILITY TO VERIFY FINAL IMPROVEMENTS AS SHOWN ON THIS PLAN UNLESS SPECIFICALLY ENGAGED AND AUTHORIZED TO DO SO BY THE OWNER OR CONTRACTOR.

PREPARED BY:
STOCK & ASSOCIATES Consulting Engineers, Inc.
257 Chesterfield Business Parkway
St. Louis, MO. 63005 PH. (636) 530-9100 FAX (636) 530-9130
e-mail: general@stockassoc.com
Web: www.stockassoc.com

3RD AMENDED SITE DEVELOPMENT PLAN FOR:

THE DISTRICT

17017 NORTH OUTER 40 ROAD
CHESTERFIELD, MISSOURI 63005

DATE:

STATE OF MISSOURI
GEORGE MICHAEL STOCK
NUMBER PE-25116
PROFESSIONAL ENGINEER

10/2/2019

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

REVISIONS:

1	7/25/2019	City Comments
2	8/15/2019	City Comments
3	9/6/2019	City Comments
4	10/2/2019	City Comments

DRAWN BY: T.M.E.	CHECKED BY: G.M.S.
DATE: 06/25/2019	JOB NO: 218-6411
M.S.D. P. #: P-	BASE MAP #: -
S.L.C. H&T #: XXXX	H&T S.U.P. #: XX-XXX-XX
M.D.N.R. #: MO-	

SHEET TITLE:
SITE SECTIONS

SHEET NO.:
C7

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

NOTE:
OVERALL SITE: 2,097,445 SQ. FT. (48.151 ACRES) 100 %
OPEN SPACE: 724,286 SQ. FT. (16.627 ACRES) 34.53 %
BUILDING AREA: 382,934 SQ. FT. (8.791 ACRES) 18.26 %
PAVED PARKING: 990,220 SQ. FT. (22.732 ACRES) 47.21 %

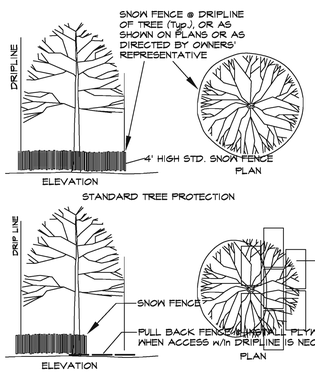
SCALE: 1" = 100'
0 100 200 300 feet

NORTH

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP/CALL BEFORE YOU DIG
1-800-DIG-RITE

PLEASE NOTE:
- ALL LANDSCAPE AREAS & ISLANDS SHALL BE PROVIDED WITH A MECHANICAL IN-GROUND IRRIGATION SYSTEM (BY OTHERS). COORDINATE LANDSCAPING WITH IRRIGATION CONTRACTOR.
- ALL PLANTING BEDS TO BE EDGED w/ SPADE-CUT EDGE UNLESS OTHERWISE NOTED.
- ADJUST TREE LOCATIONS FOR LIGHT STANDARDS AND UNDERGROUND UTILITIES.
- NO TREES OR OTHER OBSTRUCTIONS SHALL BE LOCATED WITHIN 6 FEET OF FIRE HYDRANTS.
- ALL SHRUBS/PERENNIALS WITHIN SIGHT TRIANGLE ZONES TO BE MAINTAINED AT A MAXIMUM HEIGHT OF TWENTY FOUR INCHES (2 FEET); ALL TREES TO BE MAINTAINED WITH A CLEAR HEIGHT FROM GRADE OF TEN (10) FEET.
- PLEASE NOTE: ALL PARKING LOT ISLANDS ARE TO BE MULCHED w/ A MINIMUM 3" DEPTH OF SHREDDED OAK BARK MULCH

L-2 L-3 L-4

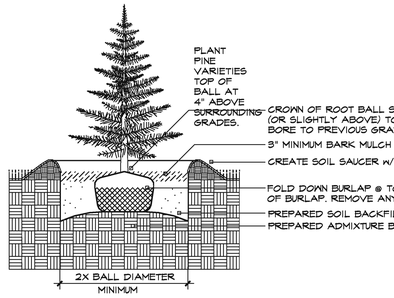


STANDARD TREE PROTECTION

TREE PROTECTION FOR WORK w/in DRIPLINE AREA

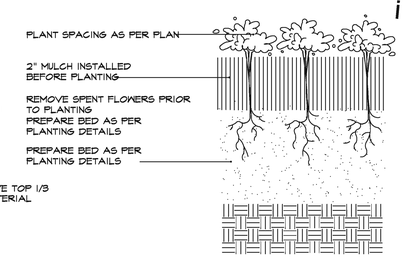
TREE PROTECTION DETAIL

N.T.S.



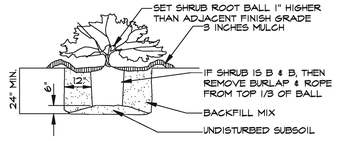
EVERGREEN TREE PLANTING

N.T.S.



PERENNIAL / ANNUAL PLANTING

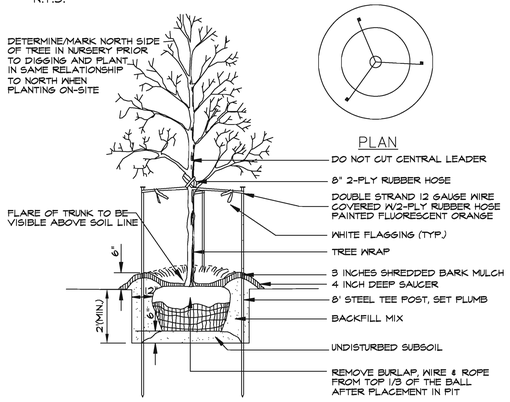
N.T.S.



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

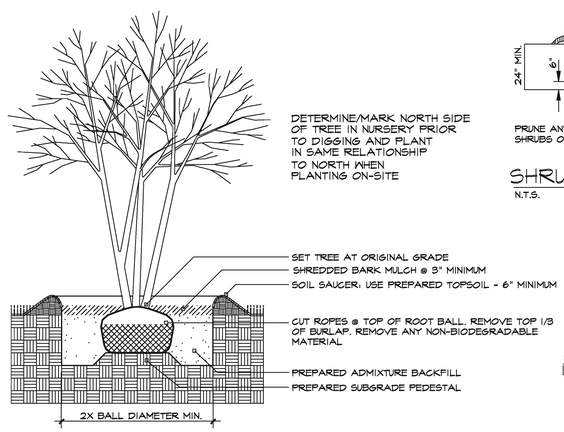
SHRUB PLANTING

N.T.S.



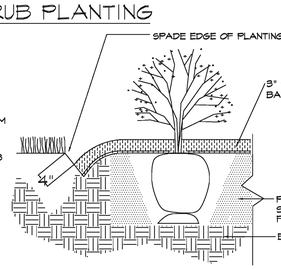
DECIDUOUS TREE PLANTING

N.T.S.



MULTI-STEM TREE PLANTING

N.T.S.



SPADE-CUT EDGE DETAIL

N.T.S.

LANDSCAPE GUIDELINE SPECS:

GENERAL:

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

PRUNING:

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

INSURANCE:

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

MULCH:

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

MAINTENANCE:

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

TOPSOIL:

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

MISC. MATERIAL:

1.) Provide stakes and deadmen of sound, new hardwood, free of knotholes and defects.
2.) Tree wrap tape shall be 4" minimum, designed to prevent borer damage and winter freezing. Additionally, only 3-ply tying material shall be used.

TURF:

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

WARRANTY:

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

REVISIONS	BY
6/24/19	RWM
7/22/19	RWM
8/8/19	RWM
8/13/19	RWM
9/3/19	RWM
9/18/19	RWM
10/3/19	RWM

Landscape TECHNOLOGIES
67 Jacobs Creek Drive (636) 928-1250
St. Charles, Missouri 63304 Fax: (636) 928-7883
MO Landscape Architectural Corporation #000000782

RANDALL W. MARDIS NUMBER 013111 REGISTERED LANDSCAPE ARCHITECT STATE OF MISSOURI

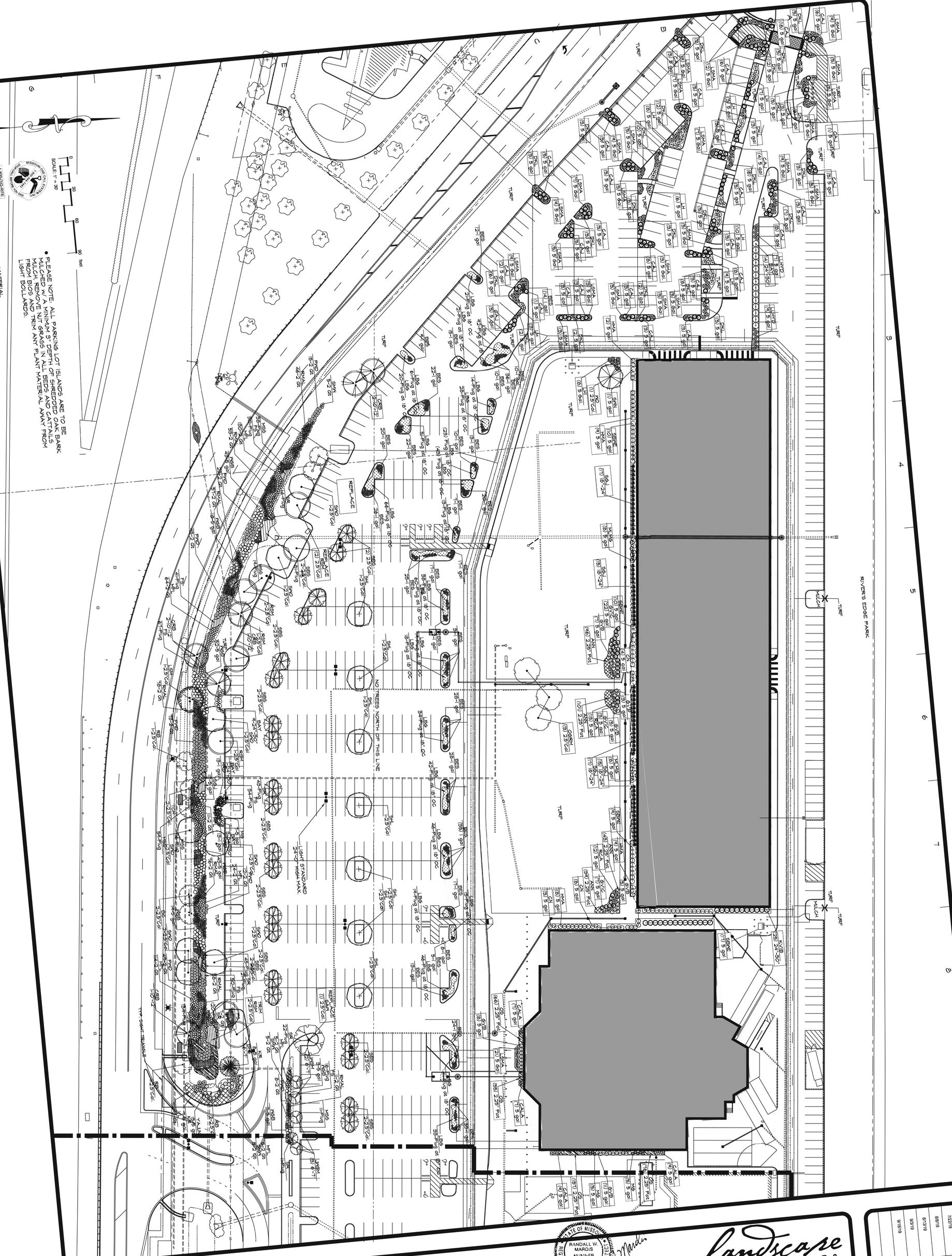
RANDALL W. MARDIS
MISSOURI LANDSCAPE ARCHITECT #000014

DATE: 10/3/19

PHASE ONE PLANTING PLAN FOR THE PROPOSED The District CHESTERFIELD, MISSOURI

DRAWN	RWM
CHECKED	RWM/CJB
DATE	6/14/19
SCALE	1"=100'-0"
JOB No.	2019-143
SHEET	L-1

OF SIX SHEETS



PLANTING PLAN FOR THE PROPOSED

The District

CHESTERFIELD, MISSOURI

RANDALL W. MARDIS
MISSOURI LANDSCAPE ARCHITECT #000019
DATE: 10/3/19

landscape TECHNOLOGIES

67 Jacobs Creek Drive (636) 928-1250
St. Charles, Missouri 63304 Fax: (636) 928-4563
MO Landscape Architectural Corporation #2008008152

DRAWN	RWM
CHECKED	RWM/GB
DATE	6/14/19
SCALE	1"=30'-0"
JOB NO.	2019.143
SHEET	L-2

OF SIX SHEETS

7/22/19	
8/8/19	RWM
8/13/19	RWM
9/3/19	
9/18/19	RWM
	RWM

SCALE: 1" = 30'

0 30 60 90 feet

- PLEASE NOTE: ALL PARKING LOT ISLANDS ARE TO BE MULCHED W/ A MINIMUM 3" DEPTH OF SHREDDED OAK BARK MULCH. REMOVE NUTGRASS IN ALL BEDS AND CATTAILS FROM BIO-SWALE AREAS.

NO TREES NORTH OF THIS LINE

TYP. SIGHT TRIANGLE

PLANTING PLAN FOR THE PROPOSED
The District
CHESTERFIELD, MISSOURI

RANDALL W. MARDIS
MISSOURI LANDSCAPE ARCHITECT #000019
DATE: 10/3/19

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

landscape TECHNOLOGIES
67 Jacobs Creek Drive
St. Charles, Missouri 63304
(636) 928-1250
Fax: (636) 928-4565
MO Landscape Architectural Corporation #2008008182

DRAWN	RWM
CHECKED	RWM
DATE	8/14/19
SCALE	1"=30'-0"
JOB No.	2019-143
SHEET	L-2

OF SIX SHEETS

8/8/19	RWM
8/13/19	RWM
9/3/19	RWM
9/18/19	RWM
10/3/19	RWM

REVISIONS	BY
6/24/19	RWM
7/22/19	RWM
8/8/19	RWM
8/13/19	RWM
9/3/19	RWM
9/18/19	RWM
10/3/19	RWM

Landscape Technologies
67 Jacobs Creek Drive (636) 928-1250
St. Charles, Missouri 63304 Fax (636) 928-1253
MO Landscape Architectural Corporation #2003000782

RANDALL W. MARQIS
NUMBER 619
REGISTERED LANDSCAPE ARCHITECT
STATE OF MISSOURI

RANDALL W. MARQIS
MISSOURI LANDSCAPE ARCHITECT #2002019
DATE: 10/3/19

PLANTING PLAN FOR THE PROPOSED
The District
CHESTERFIELD, MISSOURI

DRAWN	RWM
CHECKED	RWM/GJB
DATE	6/14/19
SCALE	1"=30'-0"
JOB No.	2019-143
SHEET	L-4
	OF SIX SHEETS

SCALE: 1" = 30'

0 30 60 90 feet

- PLEASE NOTE: ALL PARKING LOT ISLANDS ARE TO BE MULCHED w/ A MINIMUM 3" DEPTH OF SHREDDED OAK BARK MULCH, REMOVE NUTGRASS IN ALL BEDS AND CATTAILS FROM BIOS AND TRIM ANY PLANT MATERIAL AWAY FROM LIGHT BOLLARDS.

1-800-DIG-RITE

CODE (QTY)SIZE — DENOTES NEW PLANT MATERIAL

CODE (QTY)SIZE — DENOTES EXISTING PLANT MATERIAL TO REMAIN

TYP. SIGHT TRIANGLE

EXISTING PLANT MATERIAL TO REMAIN ON-SITE:

				TREE GROWTH RATE:			MATURE SIZE:	
TREES:		**QTY.:**	**COMMON/BOTANICAL NAME:**	**SIZE:**	**SLOW**	**MODERATE**	**FAST**	**SIZE RANGE**
	BC	9	Bald Cypress/Taxodium distichum	2.5" Cal.			x	45'+
	CRB	19	Clump River Birch/Betula nigra 'Cully'	10'-12'		x		45'+
	LSM	1	Legacy Sugar Maple/Acer saccharum 'Legacy'	2.5" Cal.	x			45'+
	RSM	20	Red Sunset Maple/Acer rubrum 'Red Sunset'	2.5" Cal.			x	45'+
	SAW	16	Sawtooth Oak/Quercus acutissima	2.5" Cal.		x		45'+
	SHL	33	Skyline Honeylocust/Gleditsia triacanthos 'Skyline'	2.5" Cal.			x	45'+
	SWO	19	Swamp White Oak/Quercus bicolor	2.5" Cal.		x		45'+
EVERGREEN TREES:		**QTY.:**	**COMMON/BOTANICAL NAME:**	**SIZE:**				
	BHS	3	Black Hills Spruce/Picea glauca densata	6'-7'	x			20'-30'
	EMARB	31	Emerald Arborvitae/Thuja occidentalis 'Emerald'	5'-6'	x			12'-15'
	JWSM	19	Sweetbay Magnolia/Magnolia virginiana 'Jim Wilson'	2.5" Cal.		x		15'-25'
FLOWERING TREES:		**QTY.:**	**COMMON/BOTANICAL NAME:**	**SIZE:**				
	RB	12	Redbud/Cercis canadensis	2.5" Cal.		x		25'-30'
	SBS	52	Shadblow Serviceberry (Single Stem)/Amelanchier cadensis	2.5" Cal.		x		15'-25'
	TCH	12	Thornless Cockspur Hawthorn/Crataegus crusgalli var. inermis	2.5" Cal.		x		25'-30'
SHRUBS:		**QTY.:**	**COMMON/BOTANICAL NAME:**	**SIZE:**				
	BAY	126	Northern Bayberry/Myrica pennsylvanica	24"-30"				
	CAJ	167	Compact Andorra Juniper/Juniperus horizontalis 'Plumosa Compacta'	5 Gal.				
	CDM	36	Cherry Dazzle Myrtle/Lagerstroemia 'GAMAD I'	5 Gal.				
	CLA	18	Chicago Luster Arrowwood Viburnum/Viburnum dentatum 'Chicago Luster'	24"-30"				
	CLE	20	Hummingbird Summersweet/Clethra alnifolia 'Summersweet'	5 Gal.				
	CN	22	Coppertina Ninebark/Physocarpus opulifolius 'Coppertina'	5 Gal.				
	DKL	129	Dwarf Korean Lilac/Syringa meyeri 'Palibin'	5 Gal.				
	FIHYD	50	Fire & Ice Hydrangea/Hydrangea paniculata 'William's Red'	5 Gal.				
	GLFS	61	Gro-Low Fragrant Sumac/Rhus aromatica 'Gro-Low'	5 Gal.				
	GVB	81	Green Velvet Boxwood/Buxus 'Green Velvet'	5 Gal.				
	INK	56	Compact Inkberry Holly/Ilex glabra 'Compacta'	5 Gal.				
	HY	3	Hicksi Yew/Taxus X Media 'Hicksi'	5 Gal.				
	MMB	24	Morris Midget Boxwood/Buxus microphylla japonica 'Morris Midget'	5 Gal.				
	OHYD	61	Oakleaf Hydrangea/Hydrangea quercifolia	5 Gal.				
	NINE	34	Diablo Ninebark/Physocarpus opulifolius 'Diablo'	5 Gal.				
	NJT	90	New Jersey Tea/Ceanothus americanus	5 Gal.				
	RCOT	31	Rock Cotoneaster/Cotoneaster horizontalis	5 Gal.				
	RSC	36	Ruby Spice Clethra/Clethra alnifolia 'Ruby Spice'	5 Gal.				
	RTD	54	Redtwig Dogwood/Cornus sericea "Cardinal'	5 Gal.				
	SGJ	78	Sea Green Juniper/Juniperus chinensis 'Sea Green'	18"-24"				
	WH	21	Red Sprite Winterberryllex verticillata 'Red Sprite'	5 Gal.				
	WGB	21	Winter Green Boxwood/Buxus microphylla 'Winter Green'	5 Gal.				
	YAJUN	66	Compact Youngstown Andorra Juniper/Juniperus horizontalis 'Youngstown'	5 Gal.				
PERENNIALS:		**QTY.:**	**COMMON/BOTANICAL NAME:**	**SIZE:**				
	BES	1237	Black-Eyed Susan/Rudbeckia fulgida 'Goldsturm'	1 Gal.				
	CAR	64	Cardinal Flower/Lobelia cardinalis	1 Gal.				
	DH	38	Dwarf Hibiscus/Hibiscus moscheutos 'Luna Pink Swirl'	1 Gal.				
	HRD	397	Happy Returns Daylily/Hemerocallis 'Happy Returns'	1 Gal.				
	JI	7	Japanese Iris/Iris ensata	1 Gal.				
	JPW	3	Bartered Bride Joe Pye Weed/Eupatorium/maculatum 'Bartered Bride'	1 Gal.				
	MN-SAL	50	May Night Salvia/Salvia nemerosa 'May Night'	1 Gal.				
	PC-KKH	68	Kim's Knee High Purple Coneflower/Echinacea purpurea 'Kim's Knee High'	1 Gal.				
	PC-M	101	Purple Coneflower/Echinacea purpurea 'Magnus'	1 Gal.				
	P-SAL	44	Pink Friesland SalviaSalvia nemerosa 'Pink Friesland Salvia'	1 Gal.				
	RS	65	Russian Sage/Perovskia atriplicifolia	1 Gal.				
	SDO	59	Stella de Oro Daylily/Hemerocallis 'Stella de Oro'	1 Gal.				
	VI	46	Variegated Iris/Iris pallida 'Variegata'	1 Gal.				
	VL	2377	Variegated Liriope/Liriope muscari 'Variegata'	1 Gal.				
	YAR	71	Yarrow/Achillea filipendula 'Coronation Gold'	1 Gal.				
GRASSES:		**QTY.:**	**COMMON/BOTANICAL NAME:**	**SIZE:**				
	CALA	100	Foerster's Reed Grass/Calamagrostis acutifilia 'Karl Foerster'	5 Gal.				
	DMG	10	Dwarf Maiden Grass/Miscanthus sinensis 'Yakushima'	5 Gal.				
	MG	56	Maiden Grass/Miscanthus sinensis 'Gracillimus'	5 Gal.				
	MLMG	12	Morning Light Maiden Grass/Miscanthus sinensis 'Morning Light'	5 Gal.				
ROSES:		**QTY.:**	**COMMON/BOTANICAL NAME:**	**SIZE:**				
	KR	55	Knockout Rose/Rosa 'Knockout'	5 Gal.				
VINES:		**QTY.:**	**COMMON/BOTANICAL NAME:**	**SIZE:**				
	EIVY	137	English Ivy/Hedera helix	1 Gal.				
NATIVE GRASSES:		**QTY.**	**COMMON/BOTANICAL NAME**	**SIZE:**				
	FS	2822	Fringed Sedge/	Plug				
	GFG	1860	Golden Foxtail Grass/	2 Qt.				
	LBG	2627	Little Bluestem Grass/	Plug				
	MSS	2711	Morning Star Sedge/	Plug				
	SR	2105	Soft Rush/Juncus effusus	Plug				
FORBS:		**QTY.**	**COMMON/BOTANICAL NAME**	**SIZE:**				
	MFL	906	Monkeyflower/Mimulus ringens	2 Qt.				
	PWD	864	Pickerel Weed/Pontederia cordata	2 Qt.				
	RMAL	906	Rose Mallow/Hibiscus moscheutos	2 Qt.				
	SMW	179	Swamp Milkweed/Asclepias incarnata	2 Qt.				
GROUNDCOVERS:		**QTY.**	**COMMON/BOTANICAL NAME**	**SIZE:**				
	ANN	60	Mixed Annuals/Min. of five varieties	2.25" Pot				
	CCP	223	Cotton Candy Creeping Phlox/Phlox subulata 'Cotton Candy'	1 Qt.				

Tree Groupings:

A minimum of of 20% of tree groupings shall come from three categories: Deciduous / Ornamental / Evergreen

Deciduous:	117 or 48%
Ornamental	76 or 22%
Evergreen	53 or 31%

Please note: Per the agreement with Monarch Levee District in 2011, no trees were/are allowed north of denoted line in parking lot and the 2011 plan was approved under a different landscape ordinance at that time and under agreements.

REVISIONS	BY
6/24/19	RWM
7/22/19	RWM
8/8/19	RWM
8/13/19	RWM
9/3/19	RWM
9/18/19	RWM
10/3/19	RWM

Landscape TECHNOLOGIES
67 Jacobs Creek Drive
St. Charles, Missouri 63304
Voice: (636) 928-1250
Fax: (636) 925-3563
MO Landscape Architectural Corporation #000000192

STATE OF MISSOURI
RANDALL W. MARDIS
NUMBER 619
REGISTERED LANDSCAPE ARCHITECT

RANDALL W. MARDIS
MISSOURI LANDSCAPE ARCHITECT #000019
DATE: 10/3/19

EXISTING PLANT MATERIAL ON-SITE

The District

CHESTERFIELD, MISSOURI

DRAWN	RWM
CHECKED	RWM/GJB
DATE	6/14/19
SCALE	N. A.
JOB No.	2019-143
SHEET	L-5
	OF SIX SHEETS

PROPOSED NEW PLANT MATERIAL:

				Tree Growth Rate:			Mature Size Range:					
Trees	**Quantity**	**Common/Botanical**	**Size**	**Slow**	**Moderate**	**Fast**	**< 6"**	**6 - 18"**	**18 - 36"**	**> 3'**	**< 18"**	**3 - 6'**
SAW	1	Sawtooth Oak / Quercus acutissima	2.5"Cal.		X							
CRB	2	Clump River Birch / Betula nigra 'Cully'	10'-12'		X							
WO	1	Willow Oak / Quercus phellos	2.5"Cal.			X						
OGRM	3	`October Glory` Maple / Acer rubrum `October Glory`	2.5"Cal		X	X						
RSM	4	`Red Sunset` Maple / Acer rubrum `Franksred`	2.5"Cal		X							
Flowering Trees	**Quantity**	**Common/Botanical**	**Size**	**Slow**	**Moderate**	**Fast**	**< 6"**	**6 - 18"**	**18 - 36"**	**> 3'**	**< 18"**	**3 - 6'**
TCH	2	Thornless Cockspur Hawthorn / Crataegus crusgalli var. inermis	2.5"Cal.		X							
Shrubs	**Quantity**	**Common/Botanical**	**Size**									
CAJ	147	Compact Andorra Juniper / Juniperus horizontalis `Plumosa Compacta`	5 gal									
CN	22	Coppertina Ninebark / Physocarpus opulifolius `Coppertina`	5 gal									
DJY	20	Dense Japanese Yew / Taxus cuspidata `Densiformis`	18"-24"									
EY	26	Everlow Yew / Taxus x media 'Everlow'	5 gal.									
NINE	2	Diabolo Purple Ninebark / Physocarpus opulifolius `Diabolo` TM	5 gal									
DGBS	1	Dwarf Globe Blue Spruce / Picea pungens `Globosa`	5 gal									
DKL	129	Dwarf Korean Lilac / Syringa meyeri `Palibin`	5 gal									
GVIC	32	Golden Privet / Ligustrum vicaryi	5 gal									
GVB	39	Green Velvet Boxwood / Buxus `Green Velvet`	5 gal									
HMA	41	Hetz Midget Arborvitae / Thuja occidentalis `Hetz Midget`	5 gal									
KVIB	25	Korean Spice Viburnum / Viburnum carlesii	24"-30"									
LH	46	Limelight Hydrangea / Hydrangea paniculata `Limelight` TM	5 gal									
LLHYD	16	Little Lime Hydrangea / Hydrangea paniculata `Little Lime`	5 gal									
LSMA	174	Low Scape Mound Chokeberry / Aronia melanocarpa `Low Scape Mound`	5 Gal.									
LHI	22	Lttle Henry Sweetspire / Itea virginica `Little Henry` TM	18"-24"									
BAY	24	Northern Bayberry / Myrica pensylvanica	24"-30"									
RCA	33	Rose Creek Abelia / Abelia x grandiflora `Rose Creek`	5 gal									
SGJ	78	Sea Green Juniper / Juniperus chinensis `Sea Green`	18"-24"									
SBWE	77	Sonic Bloom Weigela / Weigela florida `Sonic Bloom`	5 gal									
SWN	1	Summer Wine Ninebark / Physocarpus opulifolius `Summer Wine`	5 gal									
Annuals/Perennials	**Quantity**	**Common/Botanical**	**Size**									
BES	525	Goldsturm Black-eyed Susan / Rudbeckia fulgida `Goldsturm`	1 gal									
PC-M	9	Purple Coneflower / Echinacea purpurea `Magnus`	1 gal									
PE-CAR	454	Pennsylvania Sedge / Carex pennsylvanica	2 Qt.									
VL	22	Variegated Liriope / Liriope muscari `Variegata`	1 gal									
Grasses	**Quantity**	**Common/Botanical**	**Size**									
DMG	8	Dwarf Maiden Grass / Miscanthus sinensis `Yakushima`	5 Gal.									
CALA	48	Foerster`s Reed Grass / Calamagrostis acutifolia `Karl Foerster`	5 gal									
MG	10	Maiden Grass / Miscanthus sinensis `Gracillimus`	5 gal									
MLMG	16	Morning Light Maiden Grass / Miscanthus sinensis `Morning Light`	5 gal									
Ground Covers	**Quantity**	**Common/Botanical**	**Size**									
ANN	279	Mixed Annuals / Min. of Five Varieties	2.25" Pot									
OS	354	Orange Stonecrop / Sedum kamtschaticum	2.25" Pot									

Mature Size Range:								
15 - 25'	**25 - 40'**	**40 - 65'**	**> 65'**					
		X						
		X						
		X						
		X						
		X						
		X						
15 - 25'	**25 - 40'**	**40 - 65'**	**> 65'**					
X								

Please note: Red Sunset Maple comprise 36% of trees proposed; however, these are replacement trees from the initial landscape installation.

Tree Groupings:

A minimum of 20% tree groupings shall come from three plant categories: Deciduous / Ornamental / Evergreen

- Deciduous: 11 (85%)
- Ornamental: 2 (15%)
- Evergreen: 0 (0%)

Please note: Per the agreement with the Monarch Levee District in 2011, no trees were/are allowed north of denoted line in parking lot and the 2011 plan was approved under a different landscape ordinance at that time and under agreements.

PLEASE NOTE:
SIX (6) OF THE THIRTEEN (13) PROPOSED NEW TREES GROW IN THE SLOW TO MODERATE RANGE or 46% OF NEW TREES

REVISIONS	BY
6/24/19	RWM
7/22/19	RWM
8/8/19	RWM
8/13/19	RWM
9/3/19	RWM
9/18/19	RWM
10/3/19	RWM

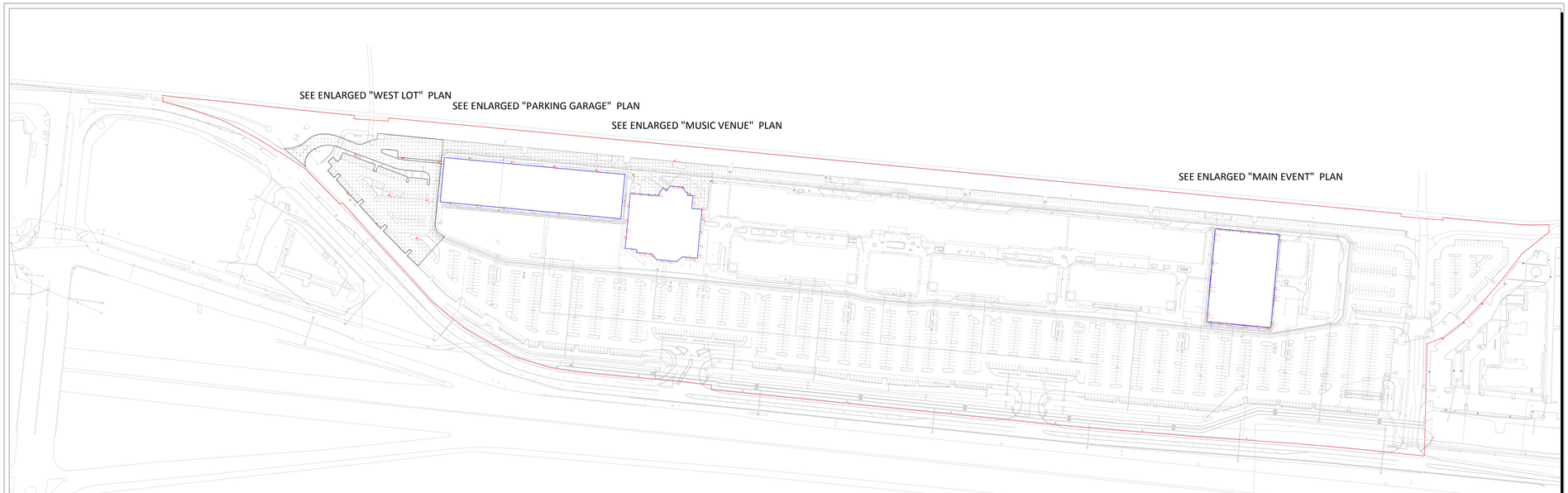
Landscape TECHNOLOGIES
67 Jacobs Creek Drive
St. Charles, Missouri 63304
(636) 928-1250 Fax: (636) 928-3563
MO Landscape Architectural Corporation #2005000192

STATE OF MISSOURI · RANDALL W. MARDIS · NUMBER 612 · REGISTERED LANDSCAPE ARCHITECT

RANDALL W. MARDIS
MISSOURI LANDSCAPE ARCHITECT #2000014
DATE: 10/3/19

PROPOSED NEW LANDSCAPE MATERIAL
The District
CHESTERFIELD, MISSOURI

DRAWN	RWM
CHECKED	RWM/GJB
DATE	6/14/19
SCALE	N. A.
JOB No.	2019-143
SHEET	L-6
	OF SIX SHEETS



Luminaire Schedule

Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description
	4	S1	BACK-BACK	N.A.	0.900	VTS-F08-LED-E1-5XQ
	10	S2	SINGLE	N.A.	0.900	VTS-F12-LED-E1-T3
	2	S3	SINGLE	N.A.	0.900	VTS-F12-LED-E1-5XQ
	8	WP1	SINGLE	N.A.	0.900	GWC-AF-01-LED-E1-SL2
	3	WP2	SINGLE	N.A.	0.900	GWC-AF-02-LED-E1-T4W
	12	WP3	SINGLE	N.A.	0.900	XTOR1B-W
	2	F1	SINGLE	N.A.	0.900	611-3021
	6	F2	SINGLE	N.A.	0.900	NFFLD-S-C70-D-UNV-66-7050
	7	A2	SINGLE	N.A.	0.900	HC620D010-HM612840-61MDCWF
	19	EL3	SINGLE	N.A.	0.900	GPC-AF-01-LED-E1-T2-7030-600
	3	EL4	GROUP	N.A.	0.900	LED Linear - Kalypso Linear Grazer
	10	X3	SINGLE	N.A.	0.900	XTOR1B-W

Qty 8 - A1 - Decorative Wall Sconce - FEISS 36.5"L x 6"W x 7"D - Oil Rubbed Bronze

FIXTURE FINISH SCHEDULE:
PARKING LOT POLES - SILVER, WHITE LIGHT
PARKING GARAGE WALL PACKS - SILVER, WHITE LIGHT
MUSIC VENUE - BLACK, WHITE LIGHT
MAIN EVENT - GREY, WHITE LIGHT

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Garage - Ring Road	Illuminance	Fc	2.89	6.3	0.5	5.78	12.60
Garage-Music Venue Sidewalk	Illuminance	Fc	2.60	5.2	0.5	5.20	10.40
Main Event Sidewalk	Illuminance	Fc	1.86	8.0	0.5	3.72	16.00
Music Venue - Loading Area	Illuminance	Fc	3.12	7.0	0.8	3.90	8.75
Property Line	Illuminance	Fc	0.03	0.5	0.0	N.A.	N.A.
West Parking Lot	Illuminance	Fc	2.70	7.5	0.5	5.40	15.00

DESIGN IS BASED ON CURRENT INFORMATION PROVIDED AT TIME OF REQUEST.
ANY CHANGES IN MOUNTING HEIGHT OR LOCATION, LAMP WATTAGE, LAMP TYPE,
AND EXISTING FIELD CONDITIONS, THAT EFFECT ANY OF THE PREVIOUSLY MENTIONED,
WILL VOID CURRENT LAYOUT AND REQUIRE A CHANGE REQUEST AND RECALCULATION.

PARKING LOT LIGHT LEVELS CALCULATED ON GROUND EVERY 10'
SIDEWALK LIGHT LEVELS CALCULATED ON GROUND EVERY 3'

FIXTURE MOUNTING HEIGHTS (HEIGHT INCLUDES BASE)
PARKING LOT FIXTURES - EXISTING FIXTURES = 24'
PARKING LOT FIXTURES - NEW FIXTURES = 20'
ALL OTHERS - SEE PLAN FOR MOUNTING HEIGHT (MH)

LIGHTING ASSOCIATES INCORPORATED

#	Date	Comments

Revisions

Drawn By: LU
Checked By:
Date:8/8/2019
Scale: None

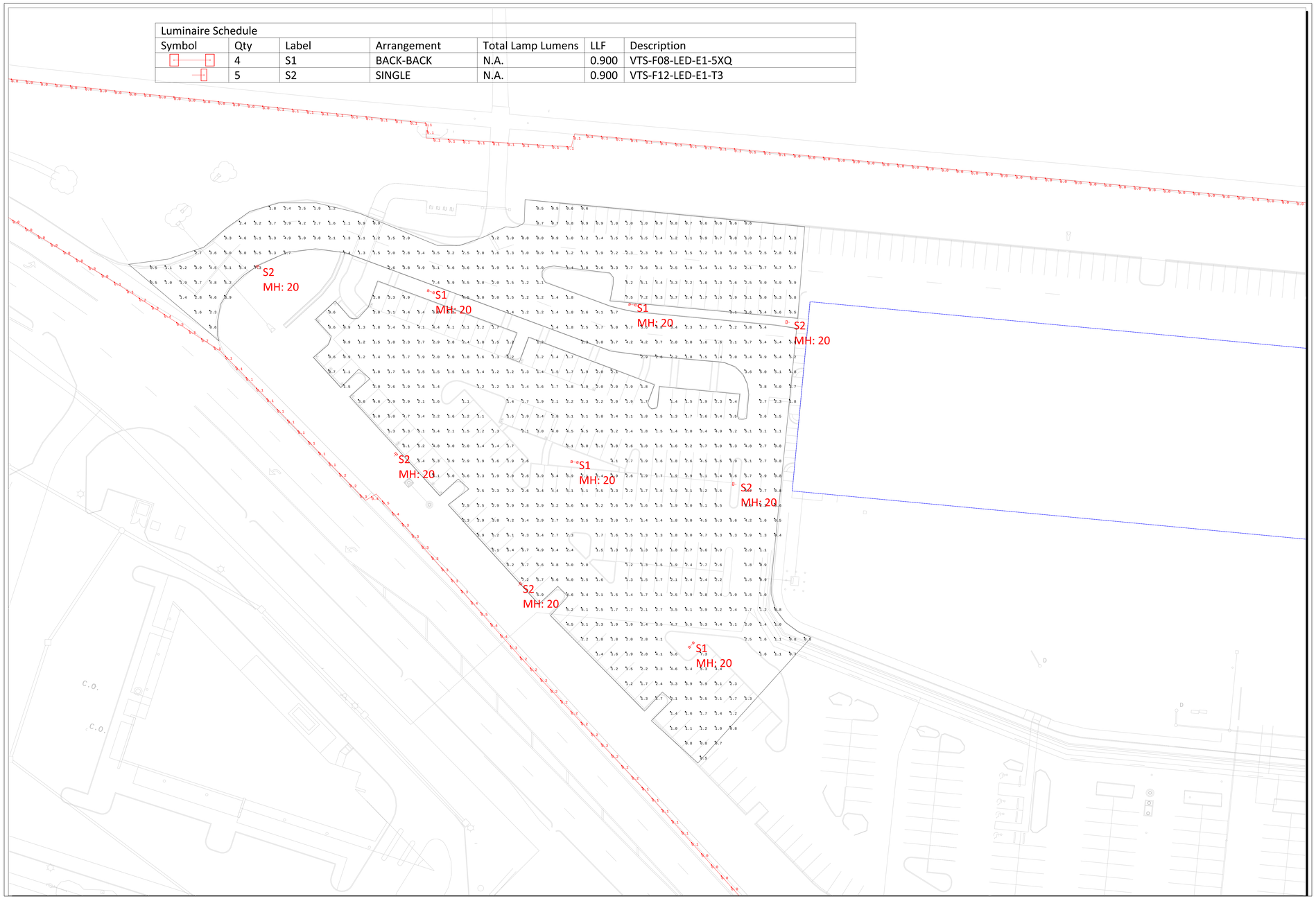
Lighting Study

THE DISTRICT - Overall Plan

Chesterfield, MO

SP-1

Luminaire Schedule						
Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description
	4	S1	BACK-BACK	N.A.	0.900	VTS-F08-LED-E1-5XQ
	5	S2	SINGLE	N.A.	0.900	VTS-F12-LED-E1-T3



LIGHTING ASSOCIATES

#	Date	Comments
Revisions		

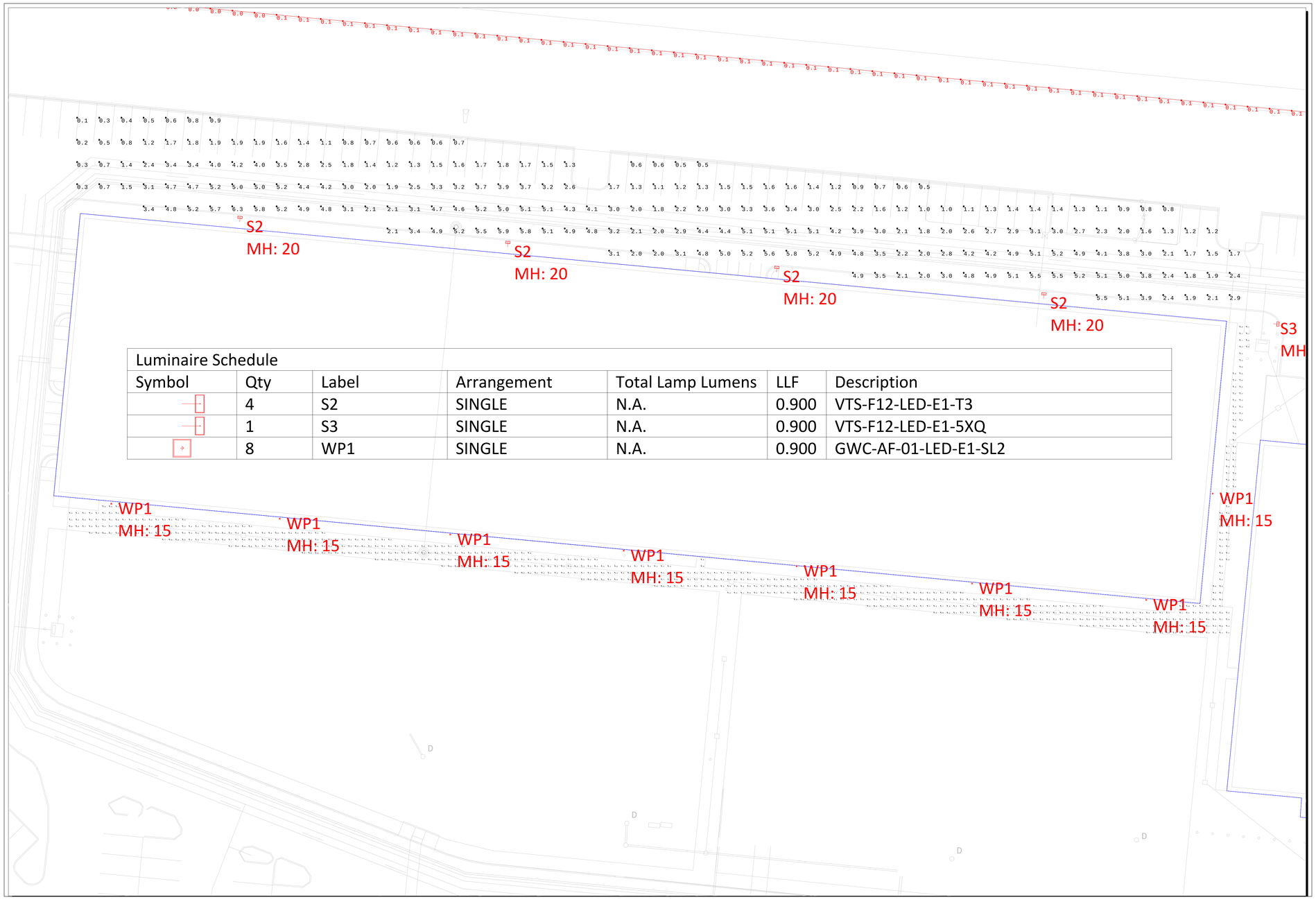
Drawn By: LU
Checked By:
Date:8/8/2019
Scale: None

Lighting Study

THE DISTRICT - West Lot

Chesterfield, MO

SP-2



Luminaire Schedule						
Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description
	4	S2	SINGLE	N.A.	0.900	VTS-F12-LED-E1-T3
	1	S3	SINGLE	N.A.	0.900	VTS-F12-LED-E1-5XQ
	8	WP1	SINGLE	N.A.	0.900	GWC-AF-01-LED-E1-SL2

LIGHTING ASSOCIATES

#	Date	Comments
Revisions		

Drawn By: LU
Checked By:
Date:8/8/2019
Scale: None

Lighting Study

THE DISTRICT - Parking Garage

Chesterfield, MO

SP-3

NO UPLIGHTING WILL TRESPASS BEYOND ANY ROOF LINE OF THE BUILDING STRUCTURE.

Luminaire Schedule						
Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description
	1	S2	SINGLE	N.A.	0.900	VTS-F12-LED-E1-T3
	2	S3	SINGLE	N.A.	0.900	VTS-F12-LED-E1-5XQ
	2	WP1	SINGLE	N.A.	0.900	GWC-AF-01-LED-E1-SL2
	3	WP2	SINGLE	N.A.	0.900	GWC-AF-02-LED-E1-T4W
	12	WP3	SINGLE	N.A.	0.900	XTOR1B-W
	2	F1	SINGLE	N.A.	0.900	611-3021
	6	F2	SINGLE	N.A.	0.900	NFFLD-S-C70-D-UNV-66-7050
	7	A2	SINGLE	N.A.	0.900	HC620D010-HM612840-61MDCWF

Qty 8 - A1 - Decorative Wall Sconce FEISS 36.5"L x 6"W x 7"D Oil Rubbed Bronze

S2 MH: 20
S3 MH: 20
S3 MH: 20
WP1 MH: 15
WP1 MH: 15
F2 MH: 1
F2 MH: 1
F2 MH: 1
F2 MH: 1
F2 MH: 1
WP3 MH: 9
WP3 MH: 9
WP3 MH: 9
WP3 MH: 9
WP3 MH: 9
WP3 MH: 9
WP3 MH: 9
WP2 MH: 15
WP2 MH: 15
WP3 MH: 9
WP3 MH: 9
WP3 MH: 9
WP3 MH: 9
WP3 MH: 9
WP3 MH: 9
WP3 MH: 9
A2 MH: 10
A1
A1
A2 MH: 10
A2 MH: 10
A2 MH: 10
A1
A1
A2 MH: 10
A2 MH: 10
A2 MH: 10
F1 MH: 0
F1 MH: 0
WP3 MH: 9

LIGHTING ASSOCIATES

#	Date	Comments

Revisions

Drawn By: LU
Checked By:
Date:8/9/2019
Scale: None

Lighting Study

THE DISTRICT - Music Venue

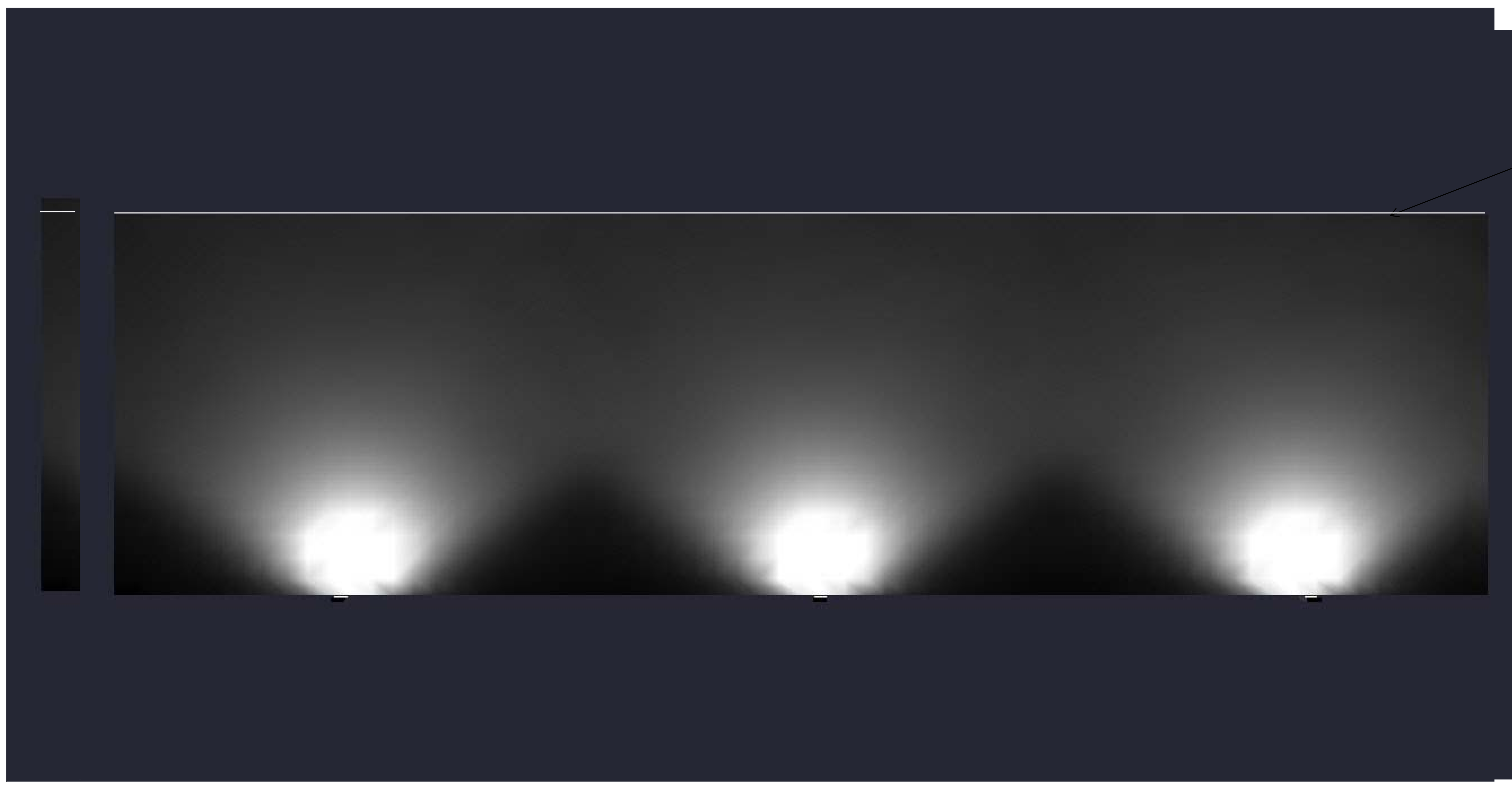
Chesterfield, MO

SP-4

WALL HEIGHT 28'-0"

0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1
0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.1
0.1	0.2	0.2	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.2	0.2
0.1	0.2	0.3	0.4	0.6	0.7	0.7	0.6	0.5	0.4	0.3	0.3	0.3	0.3	0.4	0.5	0.7	0.7	0.7	0.5	0.4	0.3	0.3	0.3	0.3	0.3	0.5	0.6	0.7	0.7	0.6	0.5	0.3	0.2
0.2	0.3	0.4	0.7	1.1	1.4	1.5	1.1	0.7	0.5	0.3	0.3	0.3	0.4	0.6	0.9	1.3	1.5	1.3	0.9	0.5	0.4	0.3	0.2	0.3	0.4	0.7	1.1	1.4	1.5	1.2	0.7	0.5	0.3
0.1	0.2	0.6	1.1	2.1	3.4	3.5	2.3	1.2	0.6	0.2	0.1	0.1	0.4	0.9	1.6	2.9	3.7	2.8	1.5	0.8	0.4	0.1	0.1	0.2	0.5	1.1	2.0	3.4	3.5	2.2	1.2	0.6	0.3
0.0	0.0	0.3	1.3	4.3	10.4	11.3	4.6	1.4	0.4	0.1	0.0	0.0	0.1	0.7	2.7	7.6	12.7	6.7	2.3	0.7	0.2	0.0	0.0	0.0	0.2	1.1	3.8	10.3	11.0	4.7	1.5	0.4	0.1
0.0	0.0	0.0	0.3	3.1	20.2	24.5	4.4	0.5	0.1	0.0	0.0	0.0	0.0	0.1	1.3	10.9	30.0	9.8	1.4	0.2	0.0	0.0	0.0	0.0	0.0	0.3	2.7	19.4	24.6	5.6	0.7	0.1	0.0

F2 F2 F2



WALL HEIGHT 28'-0"
LINE INDICATES THE TOP OF THE WALL

NO UPLIGHTING WILL TRESPASS BEYOND ANY ROOF LINE OF THE BUILDING STRUCTURE.

LIGHTING ASSOCIATES INCORPORATED

#	Date	Comments

Revisions

Drawn By: LU
Checked By:
Date:8/9/2019
Scale: None

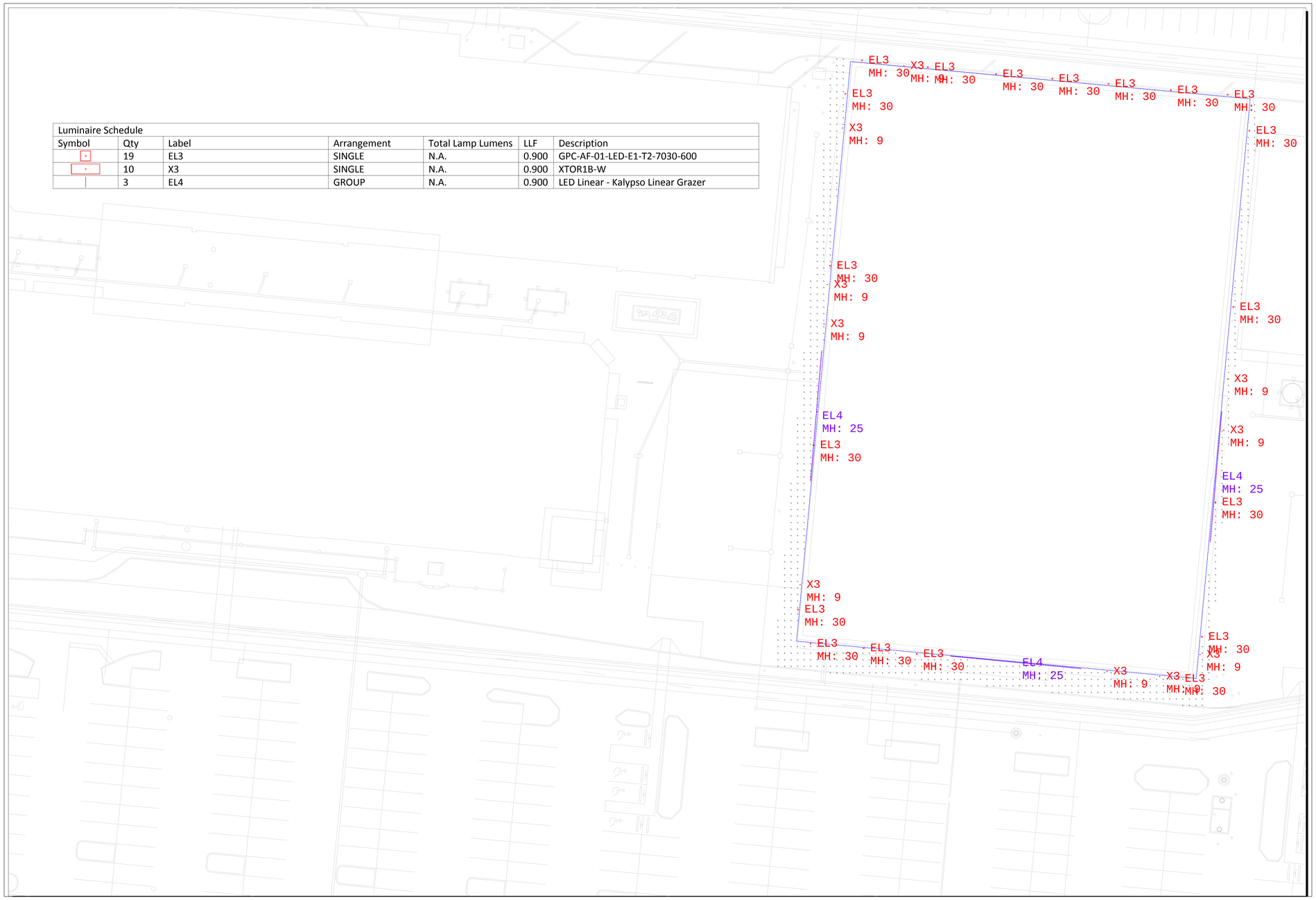
Lighting Study

Music Venue -Flood Light Study

2150 Kienlen Avenue
St. Louis, MO

SP-4A

Luminaire Schedule						
Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description
	19	EL3	SINGLE	N.A.	0.900	GPC-AF-01-LED-E1-T2-7030-600
	10	X3	SINGLE	N.A.	0.900	XTOR1B-W
	3	EL4	GROUP	N.A.	0.900	LED Linear - Kalypso Linear Grazer



LIGHTING ASSOCIATES

#	Date	Comments

Revisions

Drawn By: LU
Checked By:
Date:8/8/2019
Scale: None

Lighting Study

THE DISTRICT - Main Event

Chesterfield, MO

SP-5

Lumark

DESCRIPTION

Combining value and performance in a compact, robust design, the Night Falcon low wattage LED floodlight luminaire delivers superior uniformity and excellent illumination to the targeted application. The rugged, die-cast housing is IP66 rated for exceptional durability and long term reliability. Available in several mounting configurations and weighing less than 14 pounds, this fixture provides you with design flexibility while simplifying installation. The low wattage LED floodlight can be wall, ground, or pole mounted, making it ideal for all commercial, industrial, and residential low wattage floodlighting applications.

Catalog #		Type
Project	The District	F2
Comments	Music Venue Uplight Flood	Date
Prepared by		

SPECIFICATION FEATURES

Construction
Heavy-duty, die-cast aluminum housing, driver compartment and driver housing door. The housing, driver compartment and optical chamber are IP66 rated. Access to the driver for maintenance is achieved with a removable driver door using pan head screws. A one-piece silicone gasket seals the door to the fixture housing. Suitable for mounting within 4' (1.2m) of the ground.

Optics
The LED chamber incorporates a vacuum metalized reflector that provides high-efficiency illumination. Optics are precisely designed to shape the wide NEMA type 6H x 6V distribution, maximizing efficiency and application spacing. A 3H x 3V distribution is available for lighting tall, narrow surfaces. Clear glass tempered lens with full circumference form-in-place silicone gasket protects the optics from damage. Offered standard in 4000K (+/- 275K) CCT and minimum 70 CRI optional. Optional 5700K CCT, 3000K CCT, 5000K CCT minimum 70 CRI are available.

Electrical
LED driver is mounted to the removable die-cast aluminum door for optimal heat sinking and ease of maintenance. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. Integral 3kV surge is standard. 10kV MOV surge protection is available. 0-10V dimming driver is standard. Button photocontrols are available in 120V and 208-277V. Suitable for ambient temperatures from -40°C to 40°C. Optional 50°C HA (high ambient) available. 93% lumen maintenance greater than 50,000 hours per IESNA TM-21.

Accessories
Heavy-duty steel top and side visors control glare and spill light. 1/8" thick UV stabilized vandal guard shields glass lens from impact when mounted at low levels. Easy to install wire guard features a heavy-gauge welded construction with corrosion resistant polyester powder coat finish to protect glass from projected objects.

Mounting
Heavy-gauge steel trunnion-mount utilizes interlocking slide adjustment and is supplied with 3 feet of pre-wired SOW, wet location rated cord. Trunnion base can be lag bolted to any surface and is 3G vibration rated (ANSI C136.31). Heavy-duty, die-cast aluminum knuckle base utilizes tooth-lock adjustment with visual 5° adjustment indicators that allow for 180° rotation of the luminaire. Knuckle fits 1/2" NPT available mounting junction box cover (supplied by others) and is secured with supplied locking nut and is 1.5G vibration rated. A die-cast aluminum slipfitter with a tooth lock adjustment that can be adjusted in 5° increments is available and is 1.5G vibration rated.

Finish
Housing and cast parts finished in five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard color is carbon bronze. Additional colors available in summit white, white, grey, bronze, black, dark platinum and graphite metallic. Consult your lighting representitive at Eaton for a complete selection of standard colors.

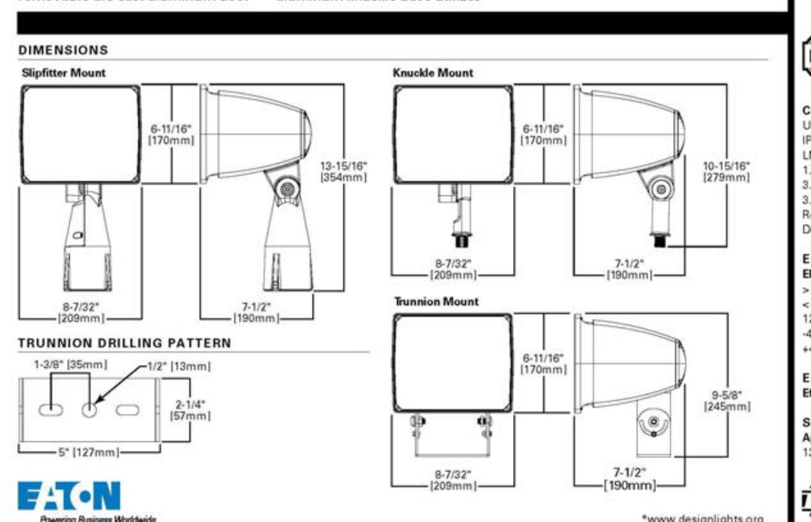
Warranty
Five-year warranty.

NFFLD-S
NIGHT FALCON SMALL

Solid State LED

FLOODLIGHT

DIMENSIONS



CERTIFICATION DATA
UL/cUL Wet Location Listed
IP66 Fixture and Optical Chamber
LM79/LM80 Compliant
1.5G Vibration Rated - Knuckle Mount
3.0G Vibration Rated - Slipfitter Mount
3.0G Vibration Rated - Trunnion Mount
RoHS Compliant
DesignLights Consortium® Qualified*

ENERGY DATA
Electronic LED Driver
> 0.9 Power Factor
< 20% Total Harmonic Distortion
120V 50/60Hz, 347V/60Hz and 480V/60Hz
-40°C Min. Ambient Temperature Rating
+40°C Max. Ambient Temperature Rating

EPA
Effective Projected Area (Sq. Ft.): 0.55

SHIPPING DATA
Approximate Net Weight:
13 lbs. (6 kgs.)

EATON Powering Business Worldwide

*www.designlights.org

TD506011EN
June 15, 2018 8:21 AM

ETC130-GB LED

611-3021

1/5

The District - Ingrade Uplight

F1

we-ef

Description
IP67. Inground LED uplight. Suitable for flush installation in concrete or earth. Drive Over Rated. Offset gimbal mounted lamp module, with lockable aiming, 30° vertical tilt, and 360° horizontal rotation. Special effects can be realized with linear lens, flood lens, or color filters.

Beam Type	symmetric, medium beam [M]
Light Source	LED-12/18W / 500 mA - 4000 K
CRI	80
Gear Type	electronic gear
Nominal Luminous Flux (lm)	
LED Lumens	184.8 lm
LEDs	12
Total Lumens	2217 lm
Tj	85 °C
Delivered Lumens Flux (lm)	
LED Lumens	160.3 lm
Total Lumens	1923.7 lm
Ta	25 °C
Rated Input Power	21 W

WE-EF LIGHTING USA LLC
410-D Keystone Drive | Warrendale PA 15086 | U.S.A. | Tel +1 724 742 0030 | Fax +1 724 742 0035 | info.usa@we-ef.com | www.we-ef.com | 24-07-2019 05:04

McGraw-Edison

DESCRIPTION

The Ventus™ LED area luminaire provides uncompromising optical performance and outstanding versatility for a wide variety of area and roadway applications. Patent pending modular LightBAR™ technology delivers uniform and energy conscious illumination to walkways, parking lots, roadways, building areas and any security lighting application. UL/cUL Listed for wet locations.

Catalog #		Type
Project	The District	S1-S3
Comments	Parking Lot Pole	Date
Prepared by		

SPECIFICATION FEATURES

Construction
Die-cast aluminum frame secures thermally conductive, extruded aluminum heat sink to independent electrical chamber. Heavy-wall, die-cast aluminum housing and door isolates driver components for cooler operation. The unique construction allows for passive cooling and natural cleaning of the extruded heat sink ensuring reliable operation at 40°C high ambient conditions. Stainless steel fasteners and hinging allow access to electrical components for installation and maintenance. Optional tool-less hardware available for ease of entry into electrical chamber.

Optics
Choice of twelve patented, high-efficiency AccuLED Optics™ distributions. Optics are precisely designed to shape the light output, maximizing efficiency and application spacing. AccuLED Optics technology creates consistent distributions with the scalability to meet customized application requirements. Offered Standard in 4000K (+/- 275K) CCT and minimum 70 CRI. Optional 3000K CCT, 5000K CCT and 5700K CCT. For the ultimate level of spill light control, an optional house-side shield accessory can be field or factory installed. The house-side shield is designed to seamlessly integrate with the SL2, SL3 or SL4 optics.

Electrical
LED drivers mount to die-cast aluminum back housing for optimal heat sinking, operation efficacy, and prolonged life. Standard drivers feature electronic universal voltage (120-277V 50/60Hz), 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Greater than 0.9 power factor, less than 20% harmonic distortion, and is suitable for operation in -40°C to 40°C ambient environments. All fixtures are shipped standard with 10kV/10kA common – and differential – mode surge protection. LightBARs feature an IP66 enclosure rating and maintain greater than 95% lumen maintenance at 60,000 hours per IESNA TM-21. Occupancy sensor and dimming options available.

Mounting
Cast aluminum 6" arm includes bolt guides allowing for easy positioning of fixture during installation to pole or wall surface. Standard single carton packaging of housing, square pole arm and round pole adapter for contractor friendly arrival of product on site. Optional internal mast arm mount accepts a 1-1/4" to 2" O.D. horizontal tenon, while a two-bolt clamping mechanism secures fixture. Cast-in leveling guides provide +/-5° vertical leveling adjustment. Tenon adapters available to slipfit over poles equipped with 2-3/8" or 3-1/2" O.D. tenon. 3G vibration rated.

Finish
Cast components and arm finished in super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult the McGraw-Edison Architectural Colors brochure for the complete selection.

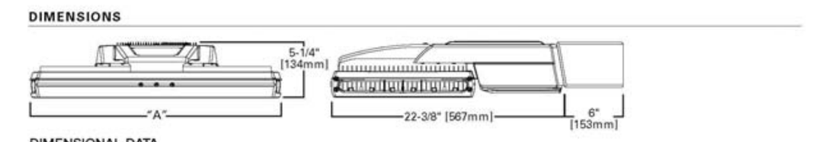
Warranty
Five-year warranty.

VTS
VENTUS LED

2 - 12 LightBARs
Solid State LED

AREA LUMINAIRE

DIMENSIONS



DIMENSIONAL DATA

Number of LightBars	"A" Width	Weight		EPA [Square Feet]	
		Without Arm	With Arm	Without Arm	With Arm
2-4	12-7/8" [328mm]	24 lbs. [10.91 kgs.]	29 lbs. [13.18 kgs.]	0.94	1.00
5-8	18" [458mm]	30 lbs. [13.64 kgs.]	35 lbs. [15.91 kgs.]	1.10	1.20
9-12	25-7/8" [658mm]	39 lbs. [17.73 kgs.]	44 lbs. [20.00 kgs.]	1.31	1.44

CERTIFICATION DATA
3G Vibration Rated
DesignLights Consortium® Qualified*
IP66 LightBARs
ISO 9001
LM79 / LM80 Compliant
UL/cUL Listed

ENERGY DATA
Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V/50Hz & 60Hz, 347V/60Hz, 480V/60Hz
-40°C Minimum Temperature
40°C Ambient Temperature Rating
50°C Ambient Temperature Rating (HA option)

SHIPPING DATA
Approximate Net Weight:
(See Tabulated Reference Data)

EATON Powering Business Worldwide

*www.designlights.org

TD500008EN
January 15, 2019 12:49 PM

McGraw-Edison

DESCRIPTION

The Galleon™ Wall LED luminaire's appearance is complementary with the Galleon area and site luminaire bringing a modern architectural style to lighting applications. Flexible mounting options accommodate wall surfaces in both an upward and downward configuration. The Galleon family of LED products deliver exceptional performance with patented, high-efficiency AccuLED Optics™, providing uniform and energy conscious lighting for parking lots, building and security lighting applications.

Catalog #		Type
Project	The District	WP1-2
Comments	Wall Pack	Date
Prepared by		

SPECIFICATION FEATURES

Construction
Driver enclosure thermally isolated from optics for optimal thermal performance. Heavy wall aluminum housing die-cast with integral external heat sinks to provide superior structural rigidity and an IP66 rated housing. Overall construction passes a 1.5G vibration test to ensure mechanical integrity. UPLIGHTING: Specify with the UPL option for inverted mount uplight housing with additional protections to maintain IP rating.

Optics
Choice of thirteen patented, high-efficiency AccuLED Optics. The 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 and minimum 70 CRI. Optional 3000K, 5000K and 6000K CCT. Greater than 90% lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 1200mA, 800mA, and 600mA drive currents.

Electrical
LED drivers are mounted for ease of maintenance. 120-277V 50/60Hz, 347V or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Drivers are provided standard with 0-10V dimming. An optional Eaton proprietary surge protection module is available and designed to withstand 10kV of transient line surge. The Galleon Wall 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. Emergency egress options for -20°C ambient environments and occupancy sensor available.

Mounting
Gasketed and zinc plated rigid steel mounting attachment fits directly to 4" j-box or wall with the Galleon Wall "Hook-N-Lock" mechanism for quick installation. Secured with two captive corrosion resistant black oxide coated allen head set screws which are concealed but accessible from bottom of fixture.

Finish
Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult the McGraw-Edison Architectural Colors brochure for the complete selection.

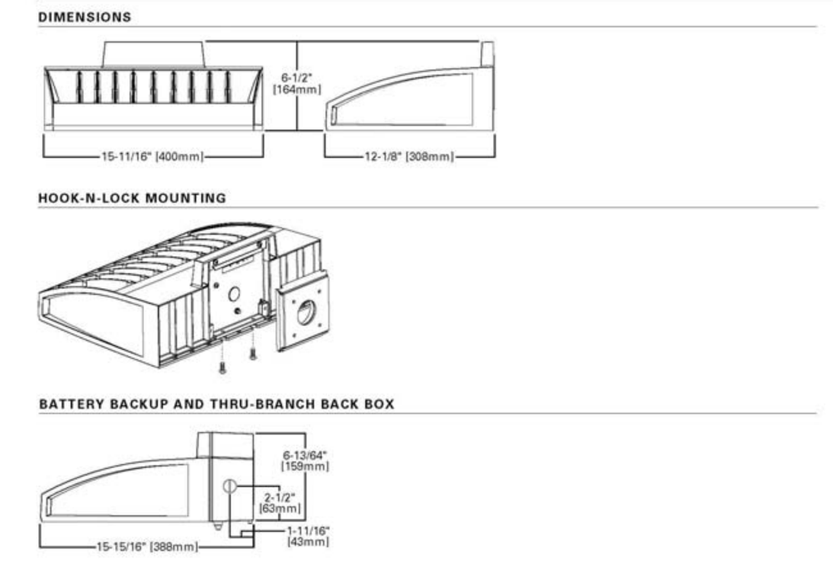
Warranty
Five-year warranty.

GWC GALLEON WALL

1-2 Light Squares
Solid State LED

WALL MOUNT LUMINAIRE

DIMENSIONS



CERTIFICATION DATA
UL/cUL Listed
LM79 / LM80 Compliant
IP66 Housing
ISO 9001
DesignLights Consortium® Qualified*

ENERGY DATA
Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V 50/60Hz
347V, 480V 60Hz
-40°C Min. Temperature
40°C Max. Temperature
50°C Max. Temperature (HA Option)

SHIPPING DATA
Approximate Net Weight:
27 lbs. (12.2 kgs.)

EATON Powering Business Worldwide

*www.designlights.org

TD514017EN
April 9, 2019 8:59 AM

Lumark

DESCRIPTION

The patented Lumark Crosstour™ LED Wall Pack Series of luminaires provides an architectural style with super bright, energy efficient LEDs. The low-profile, rugged die-cast aluminum construction, universal back box, stainless steel hardware along with a sealed and gasketed optical compartment make the Crosstour impervious to contaminants. The Crosstour wall luminaire is ideal for wall/surface, inverted mount for façade/canopy illumination, post/bollard, site lighting, floodlight and low level pathway illumination including stairs. Typical applications include building entrances, multi-use facilities, apartment buildings, institutions, schools, stairways and loading docks test.

Catalog #		Type
Project	The District	WP3
Comments	Over Door Wallpack	Date
Prepared by		

SPECIFICATION FEATURES

Construction
Slim, low-profile LED design with rugged one-piece, die-cast aluminum hinged removable door and back box. Matching housing styles incorporate both a small and medium design. The small housing is available in 12W, 18W and 26W. The medium housing is available in the 38W model. Patented secure lock hinge feature allows for safe and easy tool-less electrical connections with the supplied push-in connectors. Back box includes three half-inch, NPT threaded conduit entry points. The universal back box supports both the small and medium forms and mounts to standard 3-1/2" to 4" round and octagonal, 4" square, single gang and masonry junction boxes. Key hole gasket allows for adaptation to junction box or wall. External fin design extracts heat from the fixture surface. One-piece silicone gasket seals door and back box. Minimum 5" wide pole for site lighting application. Not recommended for car wash applications.

Optical
Silicone sealed optical LED chamber incorporates a custom engineered mirrored anodized reflector providing high-efficiency illumination. Optical assembly includes impact-resistant tempered glass and meets IESNA requirements for full cutoff compliance. Available in seven lumen packages; 5000K, 4000K and 3000K CCT.

Electrical
LED driver is mounted to the die-cast housing for optimal heat sinking. LED thermal management system incorporates both conduction and natural convection to transfer heat rapidly away from the LED source. 12W, 18W, 26W and 38W series operate in -40°C to 40°C [-40°F to 104°F]. High ambient 50°C models available. Crosstour luminaires maintain greater than 89% of initial light output after 72,000 hours of operation. Three half-inch NPT threaded conduit entry points allow for thru-branch wiring. Back box is an authorized electrical wiring compartment. Integral LED electronic driver incorporates surge protection. 120-277V 50/60Hz or 347V 60Hz models.

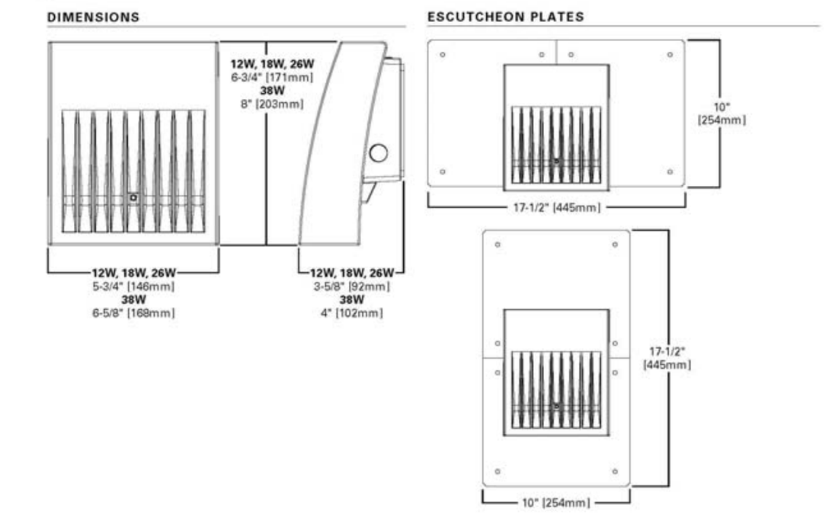
Finish
Crosstour is protected with a Super durable TGIC carbon bronze or summit white polyester powder coat paint. Super durable TGIC powder coat paint finishes withstand extreme climate conditions while providing optimal color and gloss retention of the installed life.

Warranty
Five-year warranty.

XTOR
CROSSTOUR LED

APPLICATIONS:
WALL / SURFACE
POST / BOLLARD
LOW LEVEL
FLOODLIGHT
INVERTED
SITE LIGHTING

DIMENSIONS / **ESCUTCHEON PLATES**



CERTIFICATION DATA
UL/cUL Wet Location Listed
LM79 / LM80 Compliant
ROHS Compliant
ADA Compliant
NOM Compliant Models
IP66 Ingressed Protection Rated
Title 24 Compliant
DesignLights Consortium® Qualified*

TECHNICAL DATA
40°C Maximum Ambient Temperature
External Supply Wiring 90°C Minimum

EPA
Effective Projected Area (Sq. Ft.):
XTOR1B, XTOR2B, XTOR3B=0.34
XTOR4B=0.45

SHIPPING DATA:
Approximate Net Weight:
3.7 – 5.25 lbs. [1.7 – 2.4 kgs.]

EATON Powering Business Worldwide

*www.designlights.org

TD514013EN
September 17, 2018 3:02 PM

FEISS

EST. 1955

The District - Music Venue Decorative Wall Sconce

A1

OL11603ORB-LED: 6 - Light Outdoor Wall Lantern

Dimensions:

Length:	36 1/2"	Extends:	3 1/2"
Width:	6"	Wire:	8"
Height:	7"	Mounting Proc.:	Universal Mounting Plate
Weight:	13 lbs.	Connection:	Mounted To Box
		Bulb Type:	Modules
		Bulb Base:	Integrated
		Watts:	60
		Hours Rated:	50000
		Lumens:	5400
		Bulb Temp:	2700 °K
		CRI:	90

Bulbs:
1 - LED Integrated Array 60w120v - included

Features:
- Meets American with Disabilities Act standard extension requirements
- This advanced LED technology is carefully designed and selected to consist of the highest quality LED chipsets for superior performance and reliability.

Material List:
1 Body - Cast Aluminum - Oil Rubbed Bronze

Safety Listing:
Safety Listed for Wet Locations

Instruction Sheets:
Trilingual (English, Spanish, and French)
(OL11601_OL11602_OL11603-LED)

Collection: Mattix

UPC #: 014817565751

Finish: Oil Rubbed Bronze (ORB)

Backplate / Canopy Details:

Type	Height / Length	Width	Depth	Diameter	Outlet Box Up	Outlet Box Down
Back Plate	24 3/4	5 3/4	1			18 1/8

Shipping Information:

Package Type	Product #	Quantity	UPC	Length	Width	Height	Cube	Weight	Frt. Class	UPS Ship
Individual	OL11603ORB-LED	1	014817565751	42	10	7.5	1.823	18.5	93	Yes
NJ Pallet		42		48	40	73	81.111	785.4		No
NV Pallet		42		48	40	73	81.111	785.4		No

Halo Commercial

DESCRIPTION

Recessed 6-inch LED downlight provides narrow, medium or wide distribution patterns ideal for general area lighting. Lumen options range from 1000 to 4000 lumens in color temperatures of 2700K, 3000K, 3500K, and 4000K; in 80 or 90CRI. Luminaire is airtight and can be installed in new construction or below the finished ceiling in remodeling applications. Intended for healthcare, hospitality, office spaces, and institutional applications.

Catalog #		Type
Project	The District	A2
Comments	Music Venue Canopy Downlights	Date
Prepared by		

SPECIFICATION FEATURES

Housing Frame
- Boat shaped galvanized steel plaster frame with adjustable plaster lip accommodates 1/2" to 1-1/2" thick ceilings
- May be installed in new construction; may be installed from below the finished (non-accessible) ceiling in remodeling (with mounting bars removed).
- Provided with (2) old work remodel clips to secure the frame to the ceiling

Universal Mounting Bracket
- Mounting bracket adjusts 2" vertically from above the ceiling or thru the aperture
- Use with the included mounting bars or with ½" EMT
- Removable to facilitate installation from below the finished ceiling

Mounting Bars
- Captive pre-installed No Fuss™ mounting bars lock to tee grid with screwdriver or pliers
- Centering mechanism allows for consistent positioning of fixtures

LED Module
- Proximity phosphors over chip on board LEDs provide a uniform source with high efficiency and no pixilation
- Available in 80 or 90 CRI minimum, accuracy within 3 SDCM provides color uniformity
- 90 CRI option: R9>50 (refer to photometry section)
- Correlated color temperature options
  - 2700K
  - 3000K
  - 3500K
  - 4000K
- Passive thermal management achieves L70 at 50,000 hours in IC and non IC applications
- Integral diffuse lens provides visual shielding
- Integral connector allows quick connection to housing flex

Lumen Options
- Nominal lumen values
  - 1000 lm
  - 1500 lm
  - 2000 lm
  - 3000 lm
  - 4000 lm

Reflector
- Self-flanged aluminum reflectors are available in narrow, medium or wide distribution patterns
- Medium distribution polymer non-conductive matte white reflector may be used to meet local codes for 'dead front' applications (Non-IC, 3000 lumen max.)
- Wall wash reflector features a rotatable insert assembly with integral linear spread lens for precise alignment of vertical illumination.
- Reflector attaches to LED module with (3) speed clamps
- Multiple painted or plated finishes are available

Reflector / Module Retention
- Reflector / module assembly is securely retained in the housing with (2) torsion springs

Driver
- Field replaceable constant current driver provides low noise operation
- UNV 120-277VAC 50/60Hz input standard
- 347VAC 50/60Hz input option (Canada only)
- Continuous, flicker-free 1% dimming with 0 -10V analog control
- Optional low voltage DC driver for use with Eaton's DLVP distributed low voltage power system combines power and control

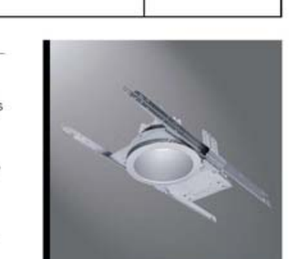
Emergency Option
- Provides 90 minutes of standby lighting meeting most life safety codes for egress lighting
- Available with integral or remote charge indicator and test switch

Connected Lighting System Options
- WaveLinx tile mount daylight sensor includes control module, sensor and cable providing comprehensive lighting control
- LumaWatt Pro (powered by Enlighted) wireless tile mount sensor and control kit

Junction Box
- Galvanized steel junction box
- 20 in³ internal volume excluding voltage barrier
- 25 in³ internal total volume
- Voltage divider for 0-10V dimming wires [occupies (1) ½" pry-out space]
- Listed for (8) #12 AWG (four in, four out) 90° C conductors and feed-thru branch wiring
- (3) ½" and (2) ¾" trade size pry-outs available
- (3) 4-port push wire nuts for mains voltage, with 1-port for fixture connection

Compliance
- cULus Listed/Classified, wet location labeled for covered ceilings
- IP20 - Above finished ceiling; IP65 - Below finished ceiling
- Non-IC rated 3000, 4000 lumen models. Insulation must be kept 3" from top and sides.
- IC rated 1000, 1500, 2000 lumen models, and suitable for direct contact to air permeable insulation
- Not for use in direct contact with spray foam insulation, consult NEMA LSD57-2013
- Airtight per ASTM-E283-04
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- EMI/RFI emissions FCC CFR Title 47 Part 15 Class A at 120/277V & Class B at 120V
- Contains no mercury or lead and RoHS compliant
- Photometric testing in accordance with IES LM-79-08
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11
- 1000, 1500 and 2000 lumen 90CRI ICAT models may be used to comply with State of California Title 24 residential code, with JA8-2016-E database certification
- May be used to comply with State of California Title 24 non-residential code, as a dimmable LED luminaire
- ENERGY STAR® certified, reference certified light fixtures database

Warranty
- Five year limited warranty, consult website for details. www.eaton.com/lighting/legal



HC6
Frame

HM6
LED Module

61
61PS
Series Reflectors

6-inch Lens Downlight and Lens Wall Wash

1000/1500/2000/3000/4000 Lumen

ENERGY STAR

Efficiency Standards T24 California Title 24 Residential and Non-Residential Compliant

FC

EATON Powering Business Worldwide

TD517035EN
June 25, 2019 2:56 PM

LIGHTING ASSOCIATES INCORPORATED

#	Date	Comments

Revisions

Drawn By: LU
Checked By:
Date:8/9/2019
Scale: None

Lighting Study
THE DISTRICT - Cut Sheets
Chesterfield, MO

SP-6

KALYPSO IP67 Static White/Tunable White/RGB

LED LINEAR™ lighting solutions

Member of the Sagelight Group

24V, IP67 protected and IK10 certified, linear surface-mounted LED luminaire with small form factor. Polyurethane encapsulation offering a premium water proof sealing, UV resistance, chemical stability and protection against abrasion. Extruded H-shaped aluminum body powder coated in white with cable runway on the back. Delivered with male/female metal IP67 connectors and

translucent end caps for a perfect light continuity. Allows the use of 3 linear lenses (15°, 30° or 60°) integrated in the encapsulation material. Ideal solution for wall grazing (15°) or wide flood illumination (30° and 60°) with precise light control for outdoor or humid environments. Light source assembled using Reel to Reel (R2R) production process supporting LED Linear™ 1) Away® thin flexible circuit board technology. Outstanding lifetime of >60,000hrs L80/B10 (>30,000 hrs RGB). Embeds high quality Japanese LEDs with 3 step MacAdams (SDCM3) binning centered on target CCT (One Bin Only) with an extended photometric code of 9xxx/329 ensuring exceptional color consistency over the rated lifetime. Premium color rendition with CRI up to 95 and TM-30-15 up to Rf = 91 / Rf = 101. Consistent light intensity all along the luminaire length. Fully PWM dimmable. Engineered and produced in Germany.

The District
Project name
Main Event
Fixture type
EL4
Specifier
Linear Grazer
Phase
Date

Static White · Tunable White · RGB · Intertek ETL LISTED

Type Color · Integrated Circuit Driver (12 to 48 VDC/mA/W Constant Current Light Output) · Easy-to-Seal R2R Protection (R2R Quality Inside Flow Seal) · "1Away" Thermal Management (Integrated Thermal Dissipation) · One Bin Only (1 Photometric Bin IP67) · L/B Lifetime (50,000 / 60,000 hrs JEDEC TM-21 / JEDEC JESD22-A108) · 4 Digit Photometric Code (ANSI C78.377) · IES LM79 (LM79 Compliant) · IES LM80 (LM80 Compliant)

Ordering Process

Step 1 — Luminaire (Page 7)

Step 2 — Mounting Accessories (Page 4)

Step 3 — Cables and Connectors (Page 5)

Step 4 — Drivers and Controllers (Page 6)

Luminaire Order Code

Family	Model	Lumen package*	Color rendering	Color temperature	Standard Length*	Optic	Ingress
KALYPSO TC	_ _ _ _ _ _	_ _ _ _	W_	_ _	_ _ _	_ _	IP67
	T0000 – Static White	H006 – 170 lm/ft	W – 80CRI	20 – 2000K	30 – 3000K	639 – 2 ft	10° Optic
		H010 – 290 lm/ft	W1 – 90CRI†	22 – 2200K	35 – 3500K	952 – 3 ft	30° Optic
		H015 – 460 lm/ft		25 – 2500K	40 – 4000K	1264 – 4 ft	60° Optic
		H025 – 750 lm/ft		27 – 2700K	50 – 5000K	1514 – 5 ft	
		H036 – 1095 lm/ft				1827 – 6 ft	
	10W ATON – Tunable White	H012 – 210 lm/ft	–	–			
	(2200K – 4000K)	H024 – 440 lm/ft	–	–			
	RGB – 622nm (R) 532nm (G) 466nm (B)	H020 – 210 lm/ft	–	–			

* Lumen Values represent 5000K (W80) and with 60° optic

† Only available with H006 and H010 lumen packages with 2700K, 3000K, 3500K and 4000K

‡ Values represent nominal lengths. For exact lengths, see mechanical details on page 2

			H06		H010		H015		H025		H036	
		Color Temperature*	Lumen/ft	W/ft	Lumen/ft	W/ft	Lumen/ft	W/ft	Lumen/ft	W/ft	Lumen/ft	W/ft
Static White		2,000 K	100	1.5	167	3.0	264	4.6	432	7.6	630	11
	W822	2,200 K	112	1.5	188	3.0	304	4.6	493	7.6	721	11
	W825	2,500 K	130	1.5	215	3.0	346	4.6	563	7.6	825	11
	W827 / W927	2,700 K	115	1.5	194	3.0	368	4.6	599	7.6	874	11
	W830 / W930	3,000 K	118	1.5	197	3.0	389	4.6	636	7.6	929	11
	W835 / W935	3,500 K	121	1.5	203	3.0	410	4.6	667	7.6	974	11
	W840 / W940	4,000 K	124	1.5	206	3.0	420	4.6	682	7.6	996	11
	W850	5,000 K	120	1.5	290	3.0	460	4.6	750	7.6	1,090	11

* CCT Tolerances occur in IP67 products due to the encapsulation of the fixture.

* The given data are typical values. Due to tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%.

McGraw-Edison

		Type
Catalog #		EL3
Project	The District	
Comments	Main Event Wall Pack	Date
Prepared by		

DESCRIPTION

The Galleon™ Wall LED luminaire's appearance is complementary with the Galleon area and site luminaire bringing a modern architectural style to lighting applications. Flexible mounting options accommodate wall surfaces in both an upward and downward configuration. The Galleon family of LED products deliver exceptional performance with patented, high-efficiency AccuLED Optics™, providing uniform and energy conscious lighting for parking lots, building and security lighting applications.

SPECIFICATION FEATURES

Construction
Driver enclosure thermally isolated from optics for optimal thermal performance. Heavy wall aluminum housing die-cast with integral external heat sinks to provide superior structural rigidity and an IP66 rated housing. Overall construction passes a 1.5G vibration test to ensure mechanical integrity. UPLIGHTING: Specify with the UPL option for inverted mount uplight housing with additional protections to maintain IP rating.

Optics
Choice of thirteen patented, high-efficiency AccuLED Optics. The 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 and minimum 70 CRI. Optional 3000K, 5000K and 6000K CCT. Greater than 90% lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 1200mA, 800mA, and 600mA drive currents.

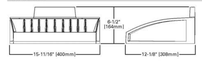
Electrical
LED drivers are mounted for ease of maintenance. 120-277V 50/60Hz, 347V or 480V 60Hz operation. 480V is compatible for use with 480Y Wye systems only. Drivers are provided standard with 0-10V dimming. An optional Eaton proprietary surge protection module is available and designed to withstand 10kV of transient line surge. The Galleon Wall 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. Emergency egress options for -20°C ambient environments and occupancy sensor available.

Mounting
Gasketed and zinc plated rigid steel mounting attachment fits directly to 4" j-box or wall with the Galleon Wall "Hook-N-Lock" mechanism for quick installation. Secured with two captive corrosion resistant black oxide coated allen head set screws which are concealed but accessible from bottom of fixture.

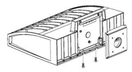
Finish
Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult the McGraw-Edison Architectural Colors brochure for the complete color selection.

Warranty
Five-year warranty.

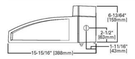
DIMENSIONS



HOOK-N-LOCK MOUNTING



BATTERY BACKUP AND THRU-BRANCH BACK BOX



GWC GALLEON WALL

1-2 Light Square
Solid State LE

WALL MOUNT LUMINAIR

CERTIFICATION DATA

UL/cUL Listed
LM79 / LM80 Compliant
IP66 Housing
ISO 9001
DesignLights Consortium® Qualified*

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V 50/60Hz
347V, 480V 60Hz
-40°C Min. Temperature
40°C Max. Temperature
50°C Max. Temperature (HA Option)

SHIPPING DATA

Approximate Net Weight:
27 lbs. (12.2 kgs.)

EATON Powering Business Worldwide

*www.designlights.org

TD514017EN
April 5, 2019 8:09 A

Lumark

		Type
Catalog #		X3
Project	The District	
Comments	Main Event Over Door Wallpack	Date
Prepared by		

DESCRIPTION

The patented Lumark Crosstour™ LED Wall Pack Series of luminaries provides an architectural style with super bright, energy efficient LEDs. The low-profile, rugged die-cast aluminum construction, universal back box, stainless steel hardware along with a sealed and gasketed optical compartment make the Crosstour impervious to contaminants. The Crosstour wall luminaire is ideal for wall/surface, inverted mount for façade/canopy illumination, post/bollard, site lighting, floodlight and low level pathway illumination including stairs. Typical applications include building entrances, multi-use facilities, apartment buildings, institutions, schools, stairways and loading dock test.

SPECIFICATION FEATURES

Construction
Slim, low-profile LED design with rugged one-piece, die-cast aluminum hinged removable door and back box. Matching housing styles incorporate both a small and medium design. The small housing is available in 12W, 18W and 26W. The medium housing is available in the 38W model. Patented secure lock hinge feature allows for safe and easy tool-less electrical connections with the supplied push-in connectors. Back box includes three half-inch, NPT threaded conduit entry points. The universal back box supports both the small and medium forms and mounts to standard 3-1/2" to 4" round and octagonal, 4" square, single-gang and masonry junction boxes. Key hole gasket allows for adaptation to junction box or wall. External fin design extracts heat from the fixture surface. One-piece silicone gasket seals door and back box. Minimum 5° wide pola for site lighting application. Not recommended for car wash applications.

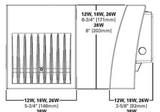
Optical
Silicone sealed optical LED chamber incorporates a custom engineered mirrored anodized reflector providing high-efficiency illumination. Optical assembly includes impact-resistant tempered glass and meets IESNA requirements for full cutoff compliance. Available in seven lumen packages; 5000K, 4000K and 3000K CCT.

Electrical
LED driver is mounted to the die-cast housing for optimal heat sinking. LED thermal management system incorporates both conduction and natural convection to transfer heat rapidly away from the LED source. 12W, 18W, 26W and 38W series operate in -40°C to 40°C (-40°F to 104°F). High ambient 50°C models available. Crosstour luminaires maintain greater than 89% of initial light output after 72,000 hours of operation. Three half-inch NPT threaded conduit entry points allow for thru-branch wiring. Back box is an authorized electrical wiring compartment. Integral LED electronic driver incorporates surge protection. 120-277V 50/60Hz or 347V 60Hz models.

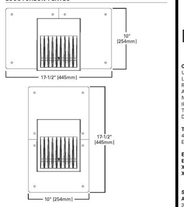
Finish
Crosstour is protected with a Super durable TGIC carbon bronze or summit white polyester powder coat paint. Super durable TGIC powder coat paint finishes withstand extreme climate conditions while providing optimal color and gloss retention of the installed life.

Warranty
Five-year warranty.

DIMENSIONS



ESCUTCHEON PLATES



EATON Powering Business Worldwide

*www.designlights.org

TD514013EN
September 17, 2018 3:02 PM

XTOR
CROSSTOUR LED

APPLICATIONS:
WALL / SURFACE
POST / BOLLARD
LOW LEVEL
FLOODLIGHT
INVERTED
SITE LIGHTING

CERTIFICATION DATA

UL/cUL Wet Location Listed
LM79 / LM80 Compliant
RoHS Compliant
ADA Compliant
NOM Compliant Models
IP66 Ingressed Protection Rated
Title 24 Compliant
DesignLights Consortium® Qualified*

TECHNICAL DATA

40°C Maximum Ambient Temperature
External Supply Wiring 90°C Minimum

EPA

Effective Projected Area (Sq. Ft.):
XTOR1B, XTOR2B, XTOR3B=0.34
XTOR4B=0.45

SHIPPING DATA:

Approximate Net Weight:
3.7 – 5.25 lbs (1.7 – 2.4 kgs.)

LIGHTING ASSOCIATES INCORPORATED

#	Revisions	Date	Comments

Drawn By: LU
Checked By:
Date: 8/8/2019
Scale: None

Lighting Study

THE DISTRICT - Cut Sheets

Chesterfield, MO

SP-7

Chiodini ARCHITECTS

THE DISTRICT – Architectural Statement

We see the reimagining of the old Taubman Outlet Mall to be a chance to bring people together to eat, drink, shop and play in a convenient one-stop center to be rebranded, The District. A development that combines a variety of uses brings vitality to the area, providing young and old from Chesterfield and the metropolitan St. Louis area with a safe, convenient and fun place to gather.

Site Relationship - The District is located on North Outer Forty just west of Top Golf development and east of the Boone's Crossing bridge. Surrounding the development is The Midwest Bank Building, proposed Hotel and Top Golf.

Circulation and access – The District have four entrances from North Outer Forty to the development. The entrance on the west end of the development will be relocated to accommodate the proposed changes to the development based on the traffic study.

Topography – The site is relatively flat with a slight grade east to west and north to south for drainage.

Retaining walls – There are no retaining walls on the existing development nor are any planned for the proposed changes to the development.

Design Materials - The development is an established project with existing materials that will be used or enhanced to the new "Vintage Industrial" look. The materials consist of brick, stone, concrete tilt-up panels, EIFS systems, Aluminum glass and glazing.

Landscape Design and Screening - The landscape is established for the development and the new landscaping will match the existing landscaping and the guidelines established by the City of Chesterfield. There are various screening methods developed for the development and all new screens required will match the establish existing screening methods and materials.

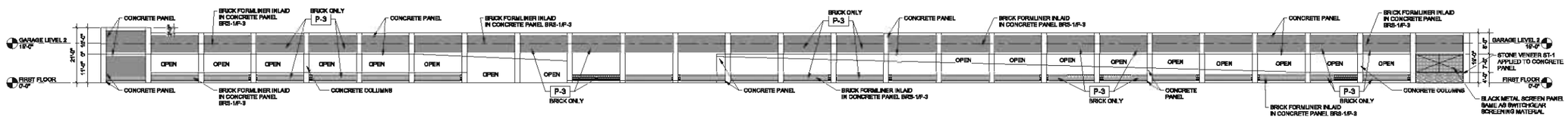
Site Lighting - The site lighting will remain and will be adjusted to accommodate the new buildings being added on the west end of the development.

The development will be done in phases and when the development is completed the central portion of The District, under the main steel structure of the development, will be a communal area with a stage and open space to be used for concerts and a variety of entertainment options. Flanking this community gathering space will be a myriad of restaurant, retail and entertainment choices.

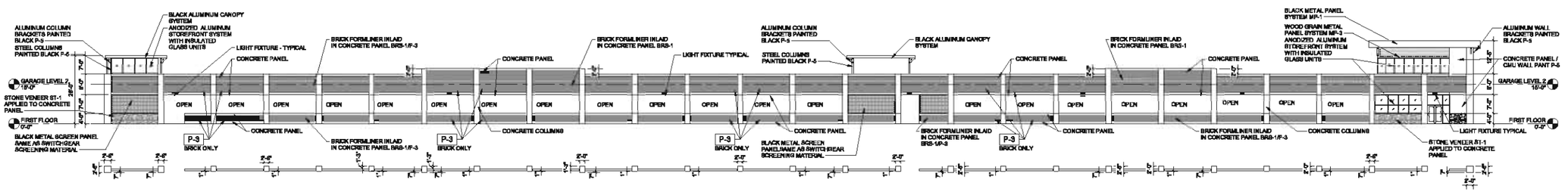
Programming | Planning | Architecture | Interior | Graphics
1401 South Brentwood Blvd. | Suite 575 | Saint Louis, Missouri 63144
314.725.5588 | FAX 314.733.9999 | arch@chiodini.com

Vintage Industrial is the architectural style chosen for the redevelopment. The raw simplicity of industrial style buildings combined with the retro feel of vintage architecture creates a statement of sleek but simple sophistication and a vibe that's comfortable, accessible and fun. The architectural design of industrial buildings depends mostly on how pronounced the standard features and characteristic lines of the structures are. Characteristic features include various engineering structures, such as flues and ventilation ducts, pipelines, and exposed equipment. The appearance of industrial buildings depends in great part on the artistic treatment of the materials and structures used, the shape of structures, the system used to divide walls into prefabricated elements, the surface finish, and the color of structural and finishing materials.

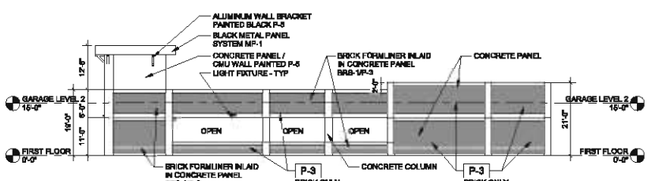
The beauty of Vintage Industrial architecture is that it's timeless, neutral, simple and natural.



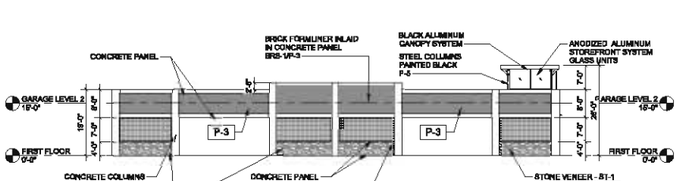
1 NORTH ELEVATION - BUILDING "A"
1/16" = 1'-0"



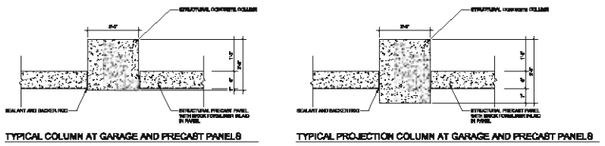
2 SOUTH ELEVATION - BUILDING "A"
1/16" = 1'-0"



3 EAST ELEVATION - BUILDING "A"
1/16" = 1'-0"



4 WEST ELEVATION - BUILDING "A"
1/16" = 1'-0"

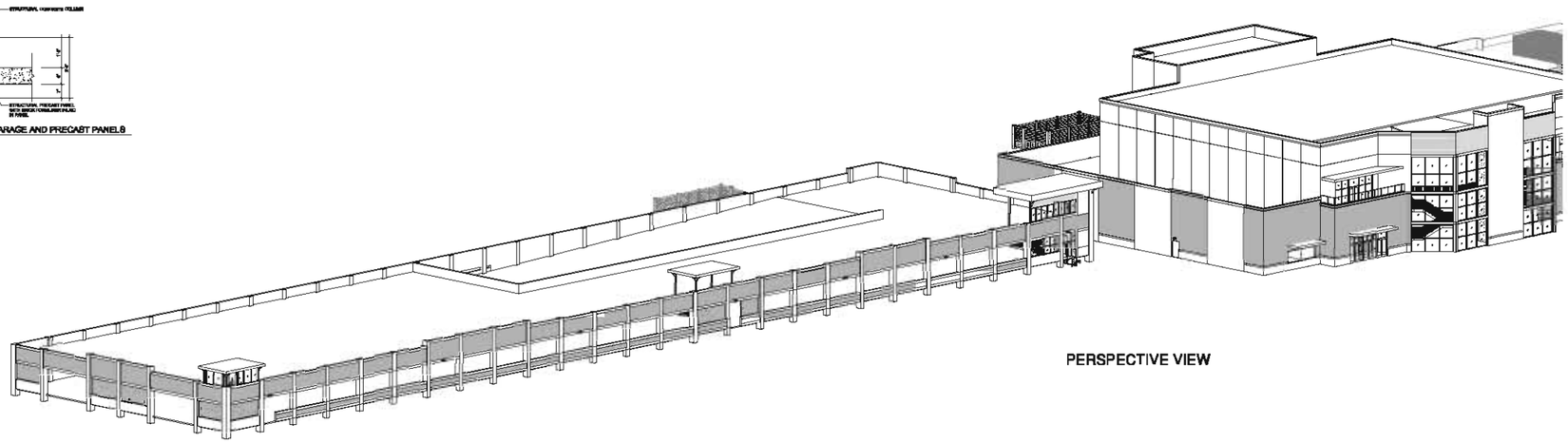


TYPICAL COLUMN AT GARAGE AND PRECAST PANELS

TYPICAL PROJECTION COLUMN AT GARAGE AND PRECAST PANELS

EXTERIOR FINISH MATERIAL LEGEND - BUILDING A

BRS-1	BRICK STAMP PATTERN IN CONCRETE
P-3	PAINT - EXTERIOR PAINT SYSTEM SHERWIN WILLIAMS CUSTOM COLOR #SAND DOLLAR
P-5	PAINT - EXTERIOR PAINT SYSTEM BENJAMIN MOORE #2116-10 "SPACE BLACK"
MC-3	METAL COPING SYSTEM BLACK
MP-1	METAL PANEL SYSTEM BLACK
MP-3	METAL PANEL SYSTEM NOVELIS ALUMINOVO 4" PLANK - LIGHT RATIONAL WALNUT TEXTURED
ST-1	STONE - STONE VENEER 1 ELDORADO STONE GALDERWOOD - STACKED STONE



PERSPECTIVE VIEW

Sheet Name: EXTERIOR ELEVATIONS - BLDG "A"

Date: AUGUST 16, 2019
REVISED OCTOBER 4, 2019

THE DISTRICT AT CHESTERFIELD

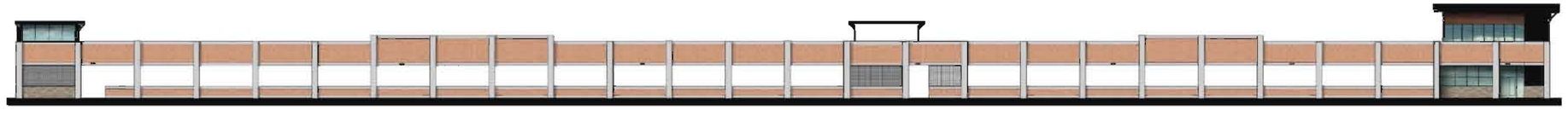
THE STAENBERG GROUP
DESIGN • DEVELOP • DELIVER

Proposed Renovation and Expansion
17057 North Outer 40 Road
Chesterfield, Missouri 63005

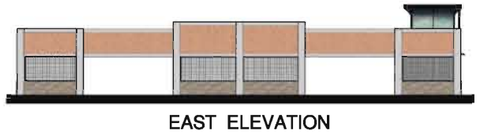
Chiodini ARCHITECTS
Chiodini Associates - Architects | Interior Design | Graphics

EAST ELEVATION

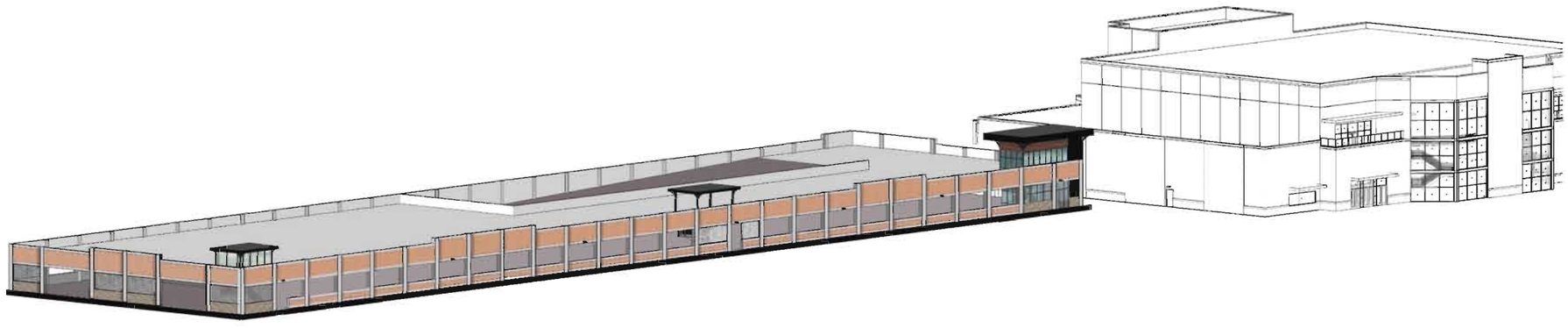
NORTH ELEVATION



SOUTH ELEVATION



EAST ELEVATION



PERSPECTIVE VIEW

Sheet Name: COLOR ELEVATIONS - BLDG "A"

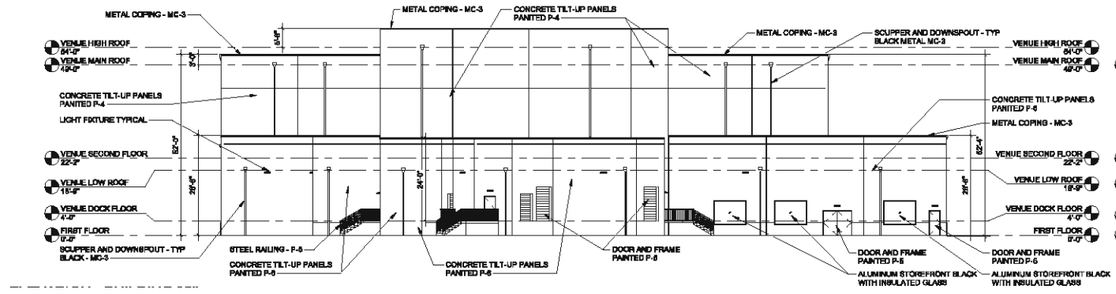
Date: AUGUST 16, 2019
REVISED - OCTOBER 4, 2019

THE DISTRICT AT CHESTERFIELD

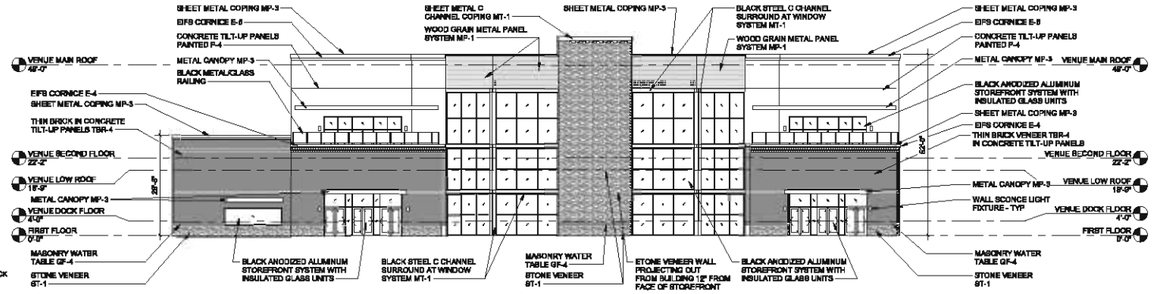
THE STAENBERG GROUP
DESIGN • DEVELOP • DELIVER

Proposed Renonovation and Expansion
17057 North Outer 40 Road
Chesterfield, Missouri 63005

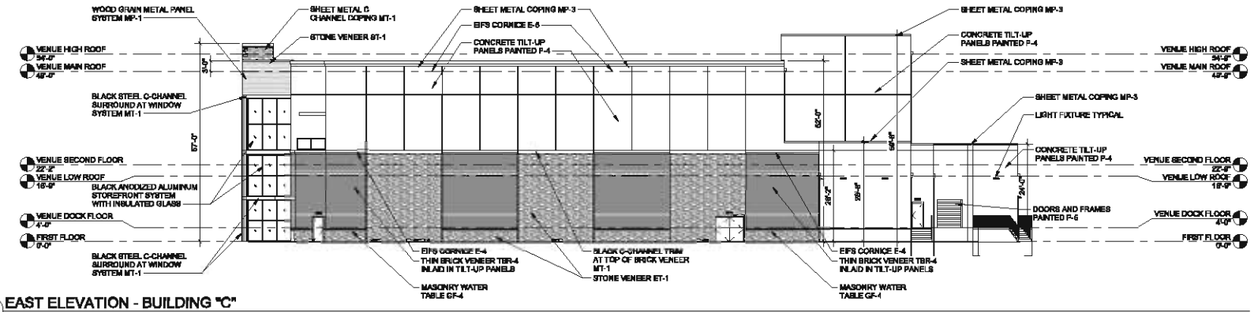
Chiodini ARCHITECTS
Chiodini Associates - Architects I Interior Design I Graphics
1401 South Brentwood Blvd. Studio 575
Saint Louis, Missouri 63144
314.725.5588 I FAX 314.731.9999



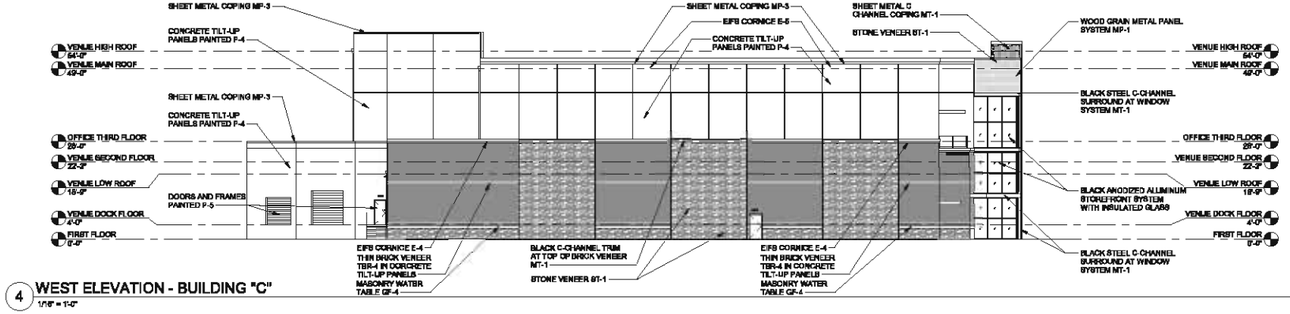
1 NORTH ELEVATION - BUILDING "C"
1/16" = 1'-0"



2 SOUTH ELEVATION - BUILDING "C"
1/16" = 1'-0"



3 EAST ELEVATION - BUILDING "C"
1/16" = 1'-0"



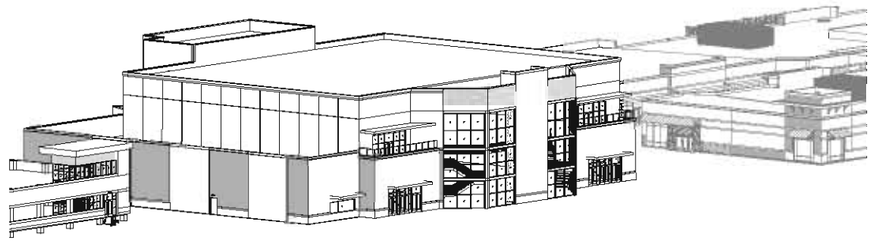
4 WEST ELEVATION - BUILDING "C"
1/16" = 1'-0"

ALL MECHANICAL EQUIPMENT ON ROOF WILL BE SCREENED BY PARAPET WALLS

EXTERIOR ELECTRICAL SWITCHBOARD EQUIPMENT WILL BE SCREENED IN ACCORDANCE WITH THE SAME SCREENING METHODS ESTABLISHED FOR DEVELOPMENT

EXTERIOR FINISH MATERIAL LEGEND - BUILDING C

TBR-4	**THIN BRICK VENEER 1** FELDHAUS 6717 ACCUDO - MEDIUM WARM GRAY BRICK
ST-1	**STONE - STONE VENEER 1** BLOCKHOUSE STONE ASLER/PARKWAY - ATACAMA STONE
P-4	**PAINT - EXTERIOR PAINT SYSTEM** BENJAMIN MOORE #2116-50 "BADDLE BOAP"
P-5	**PAINT - EXTERIOR PAINT SYSTEM** BENJAMIN MOORE #2116-10 "SPACE BLACK"
P-6	**PAINT - EXTERIOR PAINT SYSTEM** BENJAMIN MOORE #2136-20 "DEEP CAVIAR"
E-4	**EIFS - EXTERIOR INSULATION FINISH SYSTEM** MEDIUM WARM GRAY TO MATCH BENJAMIN MOORE #2136-40 "SILVER FOX"
E-5	**EIFS - EXTERIOR INSULATION FINISH SYSTEM** BLACK TO MATCH BENJAMIN MOORE #2116-10 "SPACE BLACK"
MC-3	**METAL COPING SYSTEM** BLACK
MP-1	**METAL PANEL SYSTEM** ROLLPAN LUMBOARD 5" PLANKS - LIGHT NATIONAL WALNUT TEXTURED
MP-3	**METAL PANEL SYSTEM** BLACK
MT-1	**METAL TRIM - "C" CHANNEL** BLACK
GF-4	**MASONRY - GROUND FACE UNIT** TRENDSTONE - MEDIUM WARM GRAY



PERSPECTIVE VIEW - BUILDING "C"

Sheet Name: EXTERIOR ELEVATIONS - BLDG "C"

Date: AUGUST 16, 2019
REVISED - OCTOBER 4, 2019

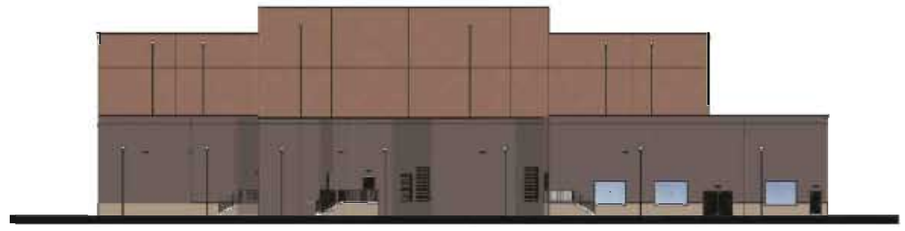
THE DISTRICT AT CHESTERFIELD

THE STAENBERG GROUP
DESIGN • DEVELOP • DELIVER

Proposed Renovation and Expansion
17057 North Outer 40 Road
Chesterfield, Missouri 63005

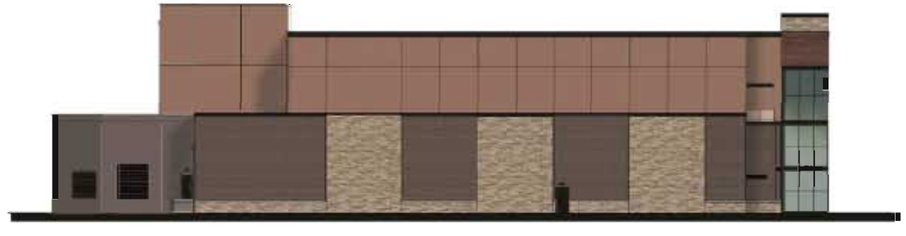
Chiodini Architects
Chiodini Associates - Architects | Interior Design | Graphics

SOUTH ELEVATION



NORTH ELEVATION

EAST ELEVATION



WEST ELEVATION

PERSPECTIVE VIEW

Sheet Name: COLOR ELEVATION - BLDG "C"

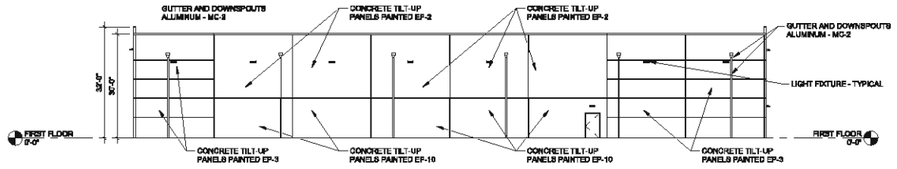
Date: AUGUST 16, 2019
REVISED - SEPTEMBER 24, 2019

THE DISTRICT AT CHESTERFIELD

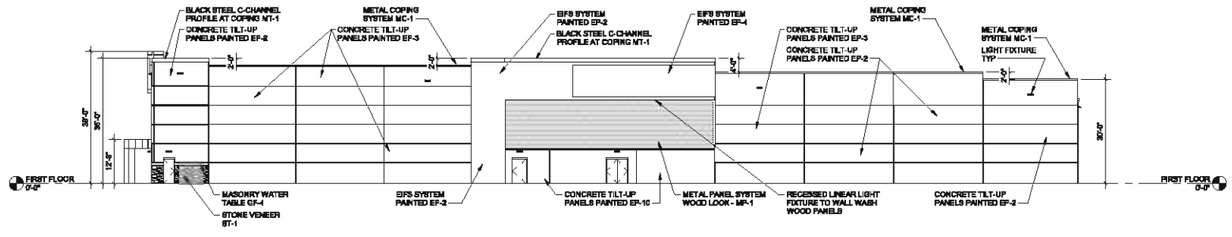
THE STAENBERG GROUP
DESIGN • DEVELOP • DELIVER

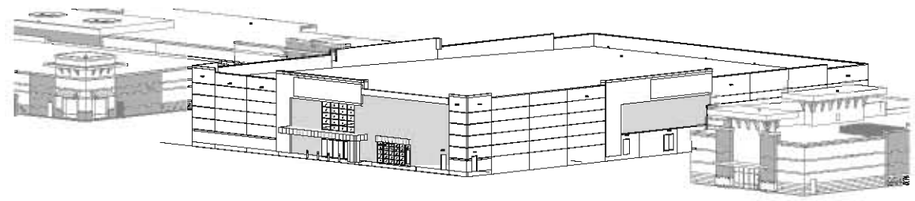
Proposed Renovation and Expansion
17057 North Outer 40 Road
Chesterfield, Missouri 63005

Chiodini ARCHITECTS
Chiodini Associates - Architects | Interior Design | Graphics



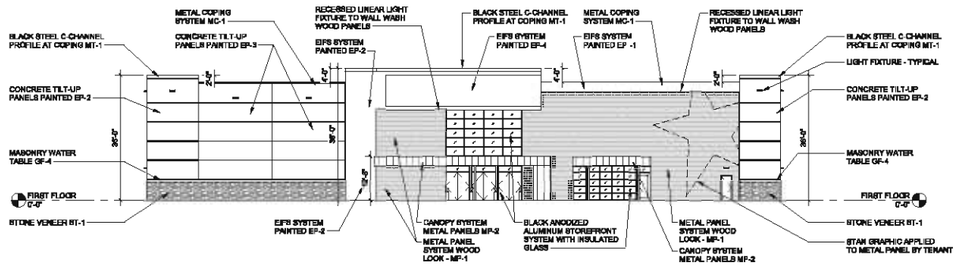
1 NORTH ELEVATION - BUILDING "N"
1/16" = 1'-0"



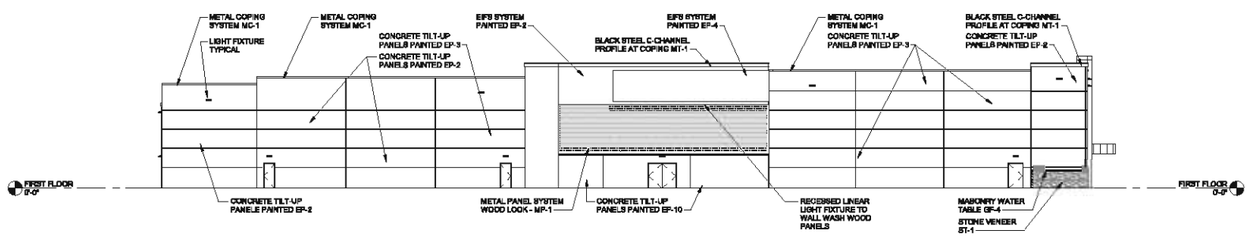


PERSPECTIVE VIEW

2 EAST ELEVATION - BUILDING "N"
1/16" = 1'-0"



3 SOUTH ELEVATION - BUILDING "N"
1/16" = 1'-0"



4 WEST ELEVATION - BUILDING "N"
1/16" = 1'-0"

ALL MECHANICAL EQUIPMENT ON ROOF WILL BE SCREENED BY PARAPET WALLS

EXTERIOR ELECTRICAL SWITCHBOARD EQUIPMENT WILL BE SCREENED IN ACCORDANCE WITH THE SAME SCREENING METHODS ESTABLISHED FOR DEVELOPMENT

EXTERIOR FINISH MATERIAL LEGEND - BUILDING N

ST-1	**STONE - STONE VENEER 1** ELDORADO STONE SPLENDORWOOD
EP-1	**PAINT - EXTERIOR PAINT SYSTEM** SNOW WHITE - SW 7006
EP-2	**PAINT - EXTERIOR PAINT SYSTEM** ACCESSIBLE BEIGE - SW7036
EP-3	**PAINT - EXTERIOR PAINT SYSTEM** VIRTUAL TAUPE - SW7039
EP-4	**PAINT - EXTERIOR PAINT SYSTEM** COBALT STONE - PPG 1061-7
EP-10	**PAINT - EXTERIOR PAINT SYSTEM** GRIFFIN - SW7026
MC-1	**METAL COPING SYSTEM** BLACK
MC-2	**METAL SCUPPERS & DOWNSPOUTS** BRONZE - BRONZE TAN
MP-1	**METAL PANEL SYSTEM** ROLLPAN - PAPER OAK TEXTURED
MP-2	**METAL PANEL SYSTEM** ALPOLIC CTG BLUE
MT-1	**METAL TRIM - "C" CHANNEL** BLACK
GF-4	**MASONRY - GROUND FACE UNIT** TRENDSTONE MEDIUM VENEER GRAY

Sheet Name: EXTERIOR ELEVATIONS - BLDG "N"

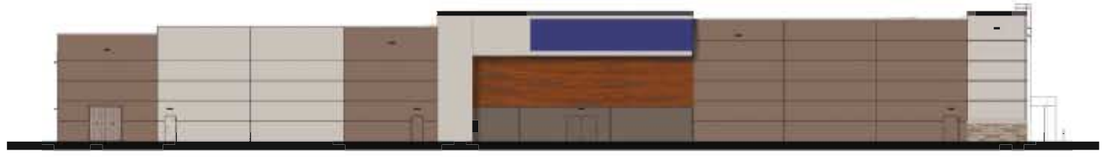
Date: AUGUST 16, 2019
REVISED AUGUST 28, 2019

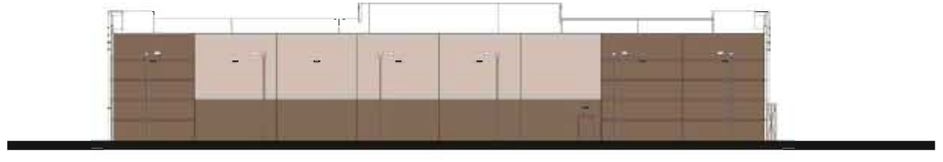
THE DISTRICT AT CHESTERFIELD

THE STAENBERG GROUP
DESIGN • DEVELOP • DELIVER

Proposed Renovation and Expansion
17057 North Outer 40 Road
Chesterfield, Missouri 63005

Chiodini ARCHITECTS
Chiodini Associates - Architects | Interior Design | Graphics
1401 South Brentwood Blvd. - Suite 575
Saint Louis, Missouri 63144
314.725.2288 | FAX 314.725.9999





EAST ELEVATION

PERSPECTIVE VIEW

Sheet Name: COLOR ELEVATIONS - BLDG "N"

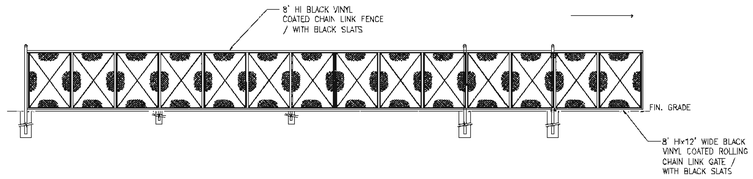
Date: AUGUST 16, 2019
REVISED AUGUST 28, 2019

THE DISTRICT AT CHESTERFIELD

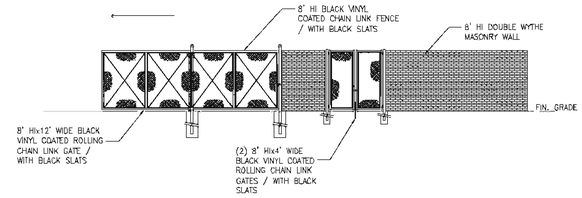
THE STAENBERG GROUP
DESIGN • DEVELOP • DELIVER

Proposed Renovation and Expansion
17057 North Outer 40 Road
Chesterfield, Missouri 63005

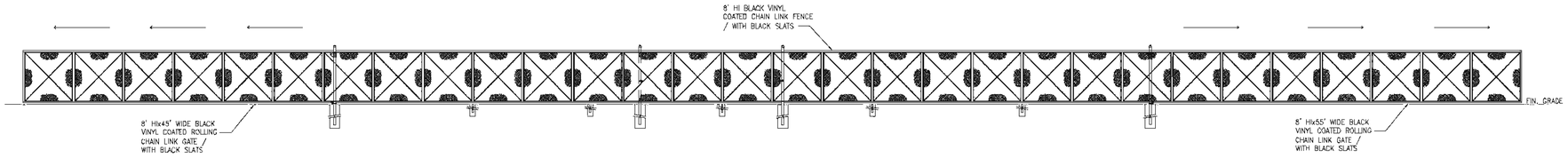
Chiodini ARCHITECTS
Chiodini Associates - Architects | Interior Design | Graphics



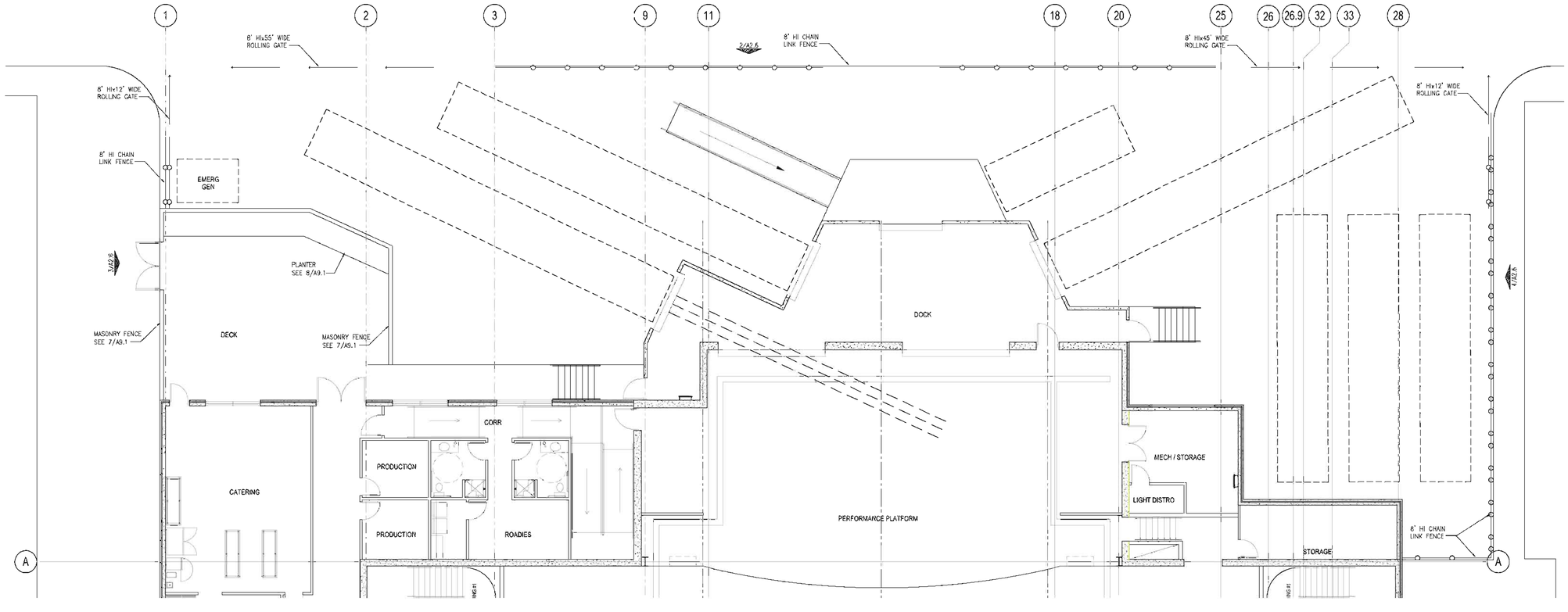
4 FENCING ELEVATION
SCALE: 1/8"=1'-0"



3 FENCING ELEVATION
SCALE: 1/8"=1'-0"



2 FENCING ELEVATION
SCALE: 1/8"=1'-0"



1 LOADING DOCK FLOOR PLAN
SCALE: 1/8"=1'-0"

Sustaita Architects, inc.
Architecture | Planning
2626 Wycroft
Suite 250
Houston, Texas 77042
tel: 713.780.4541
fax: 713.780.3270
info@sustaitaarchitects.com

CONSULTANT:

STAMP:

9/6/2019

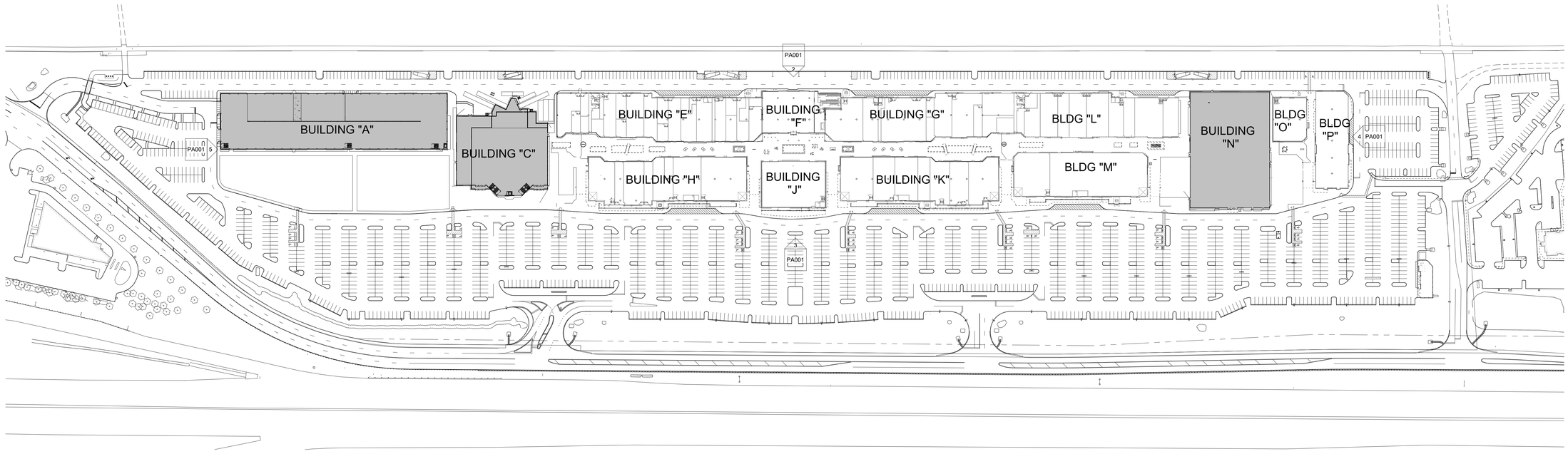
ISSUED FOR CITY REVIEW

THE MUSIC FACTORY
CHESTERFIELD, MISSOURI

CONSTRUCTION DOCUMENTS

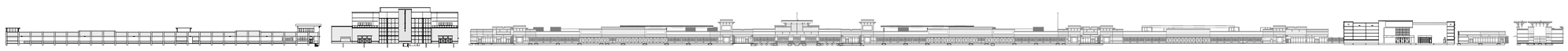
DATE: 09/02/2019
PROJECT NO.:
REVISIONS:

SHEET:
A2.6
OF



1 OVERALL FLOOR PLAN
1" = 100'-0"

2 REAR OVERALL ELEVATION - NORTH
1" = 80'-0"



3 FRONT OVERALL ELEVATION - SOUTH
1" = 80'-0"

4 SIDE OVERALL ELEVATION - EAST
1" = 80'-0"

5 SIDE OVERALL ELEVATION - WEST
1" = 80'-0"

PRINTED: 9/30/2019 7:14:15 AM

REVISED SITE DEVELOPMENT PACKAGE OCTOBER 4, 2019

Chiodini ARCHITECTS
Architecture / Interior Design / Graphics
1401 S. Brentwood Blvd. / Suite 737 / St. Louis, Missouri 63144
314-725-5080 archi@chiodini.com

THE STAENBERG GROUP
DESIGN»DEVELOP»DELIVER

RENOVATION & EXPANSION
THE DISTRICT AT CHESTERFIELD
17057 N OUTER 40 ROAD
CHESTERFIELD, MO 63005

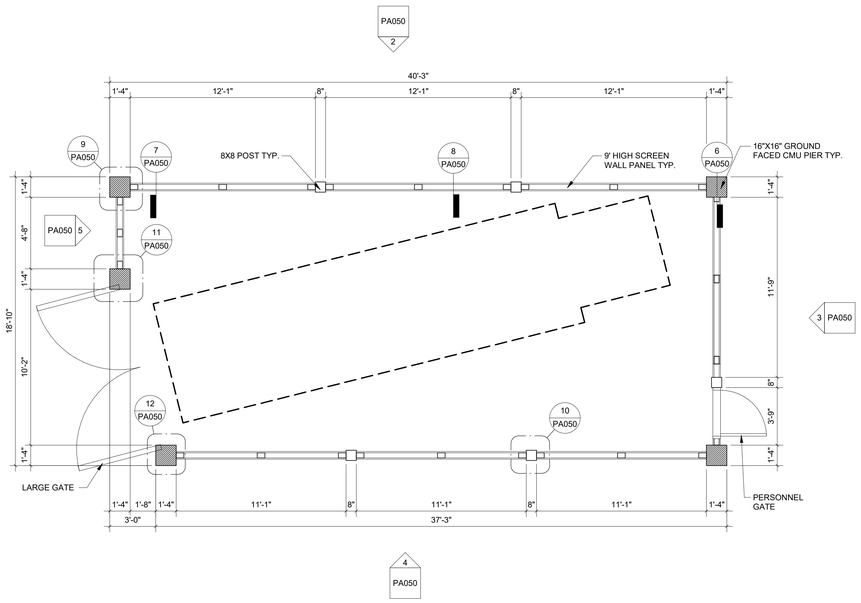
REVISIONS:

STATE OF MISSOURI
L. G. CHIODINI
NUMBER A-2006
ARCHITECT
10/02/19

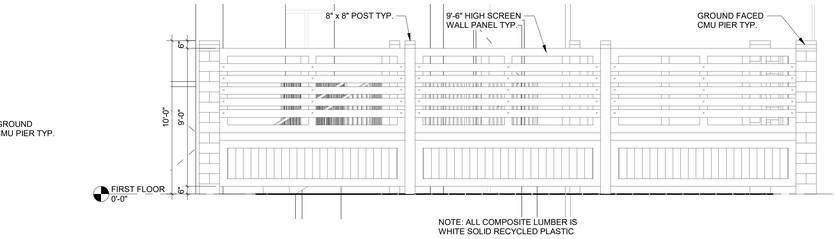
OVERALL FLOOR PLAN & ELEVATIONS

Project Number:	2017.074
Date:	2019.10.04
Drawn By:	SM

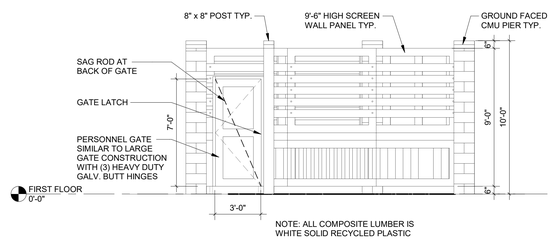
PA001



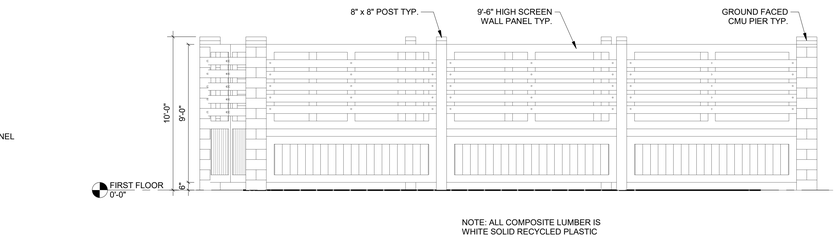
1 TRASH ENCLOSURE PLAN
1/4" = 1'-0"



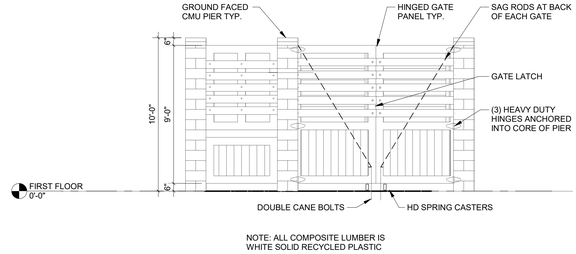
2 TRASH ELEVATION NORTH
1/4" = 1'-0"



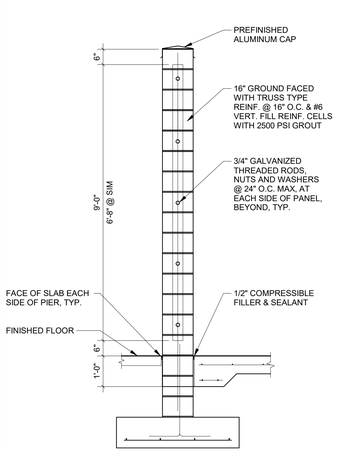
3 TRASH ELEVATION EAST
1/4" = 1'-0"



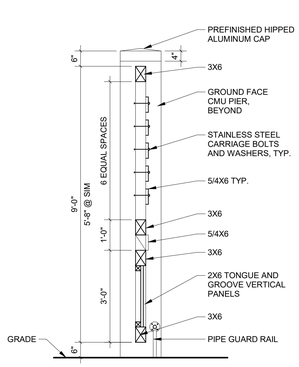
4 TRASH ELEVATION SOUTH
1/4" = 1'-0"



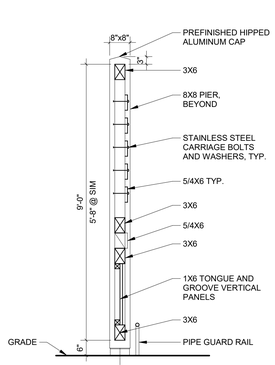
5 TRASH ELEVATION WEST
1/4" = 1'-0"



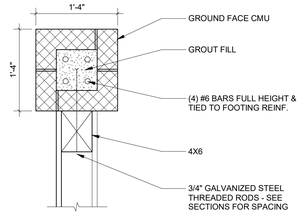
6 TRASH SECTION - GROUND FACED CMU PIER
1/2" = 1'-0"



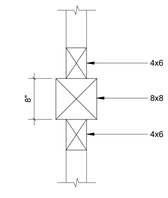
7 TRASH SECTION - COMPOSITE LUMBER SCREEN AT CMU
1/2" = 1'-0"



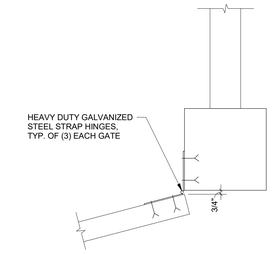
8 TRASH SECTION - COMPOSITE LUMBER SCREEN AT POST
1/2" = 1'-0"



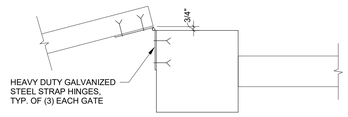
9 PLAN AT CMU PIER
1" = 1'-0"



10 PLAN AT INTERMEDIATE PIER
1" = 1'-0"



11 TRASH ENCLOSURE NORTH GATE DETAIL
1" = 1'-0"



12 TRASH ENCLOSURE SOUTH GATE DETAIL
1" = 1'-0"

PRINTED: 9/30/2019 7:14:21 AM

REVISED SITE DEVELOPMENT PACKAGE OCTOBER 4, 2019

Chiodini ARCHITECTS
Architecture / Interior Design / Graphics
1401 S. Brentwood Blvd. / Suite 737 / St. Louis, Missouri 63144
314-725-5088 art@chiodini.com

THE STAENBERG GROUP
DESIGN•DEVELOP•DELIVER

THE DISTRICT AT CHESTERFIELD

RENOVATION & EXPANSION
17057 N OUTER 40 ROAD
CHESTERFIELD, MO 63005

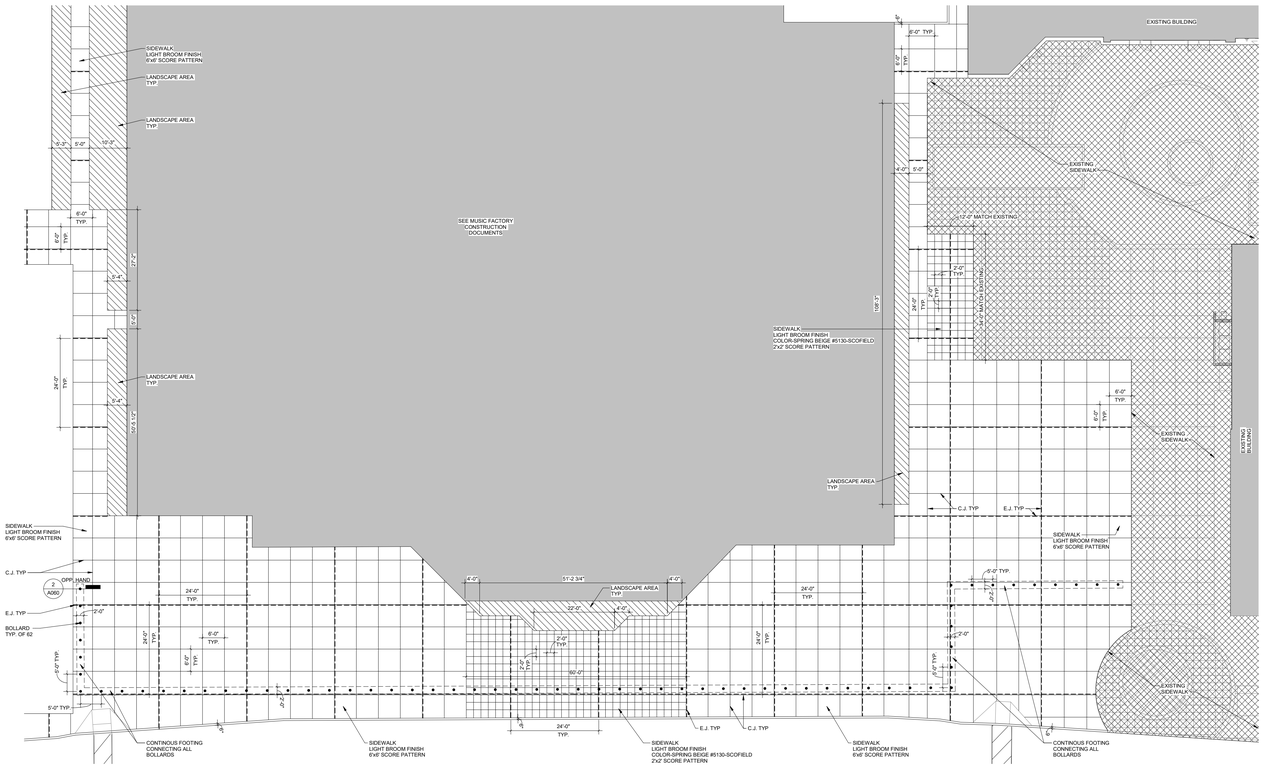
REVISIONS:

STATE OF MISSOURI
L. G. CHIODINI
NUMBER
A-2006
ARCHITECT
10/02/19

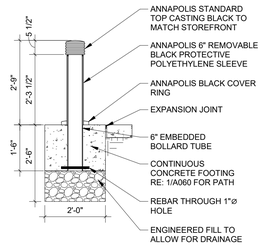
TRASH ENCLOSURE DETAILS

Project Number: 2017.074
Date: 2019.10.04
Drawn By: Author

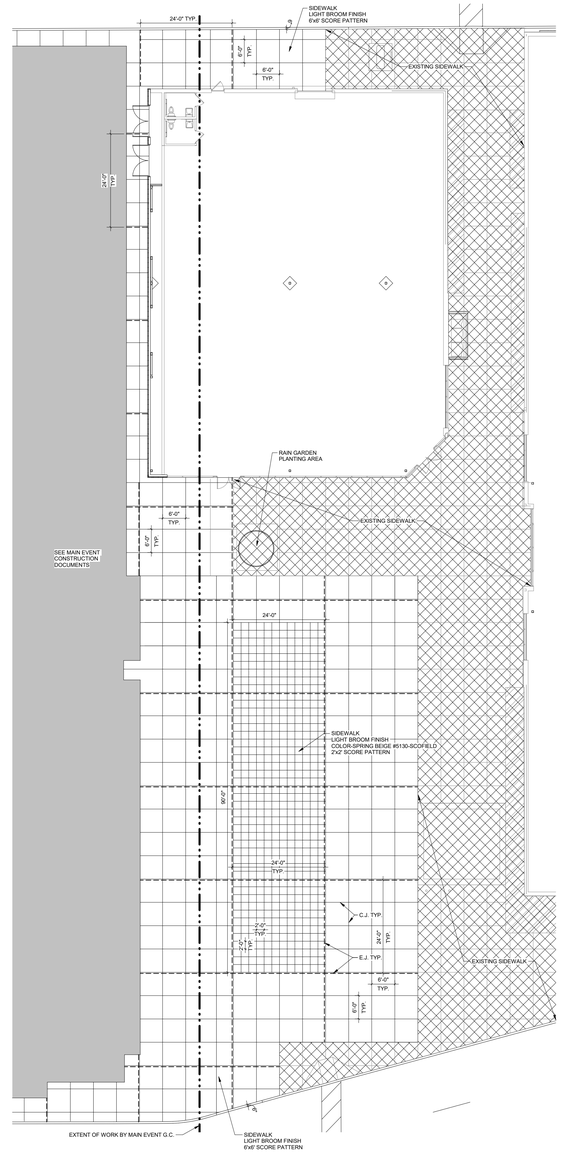
PA050



SIDEWALK PLAN - BUILDING "C"



2 BOLLARD FOOTING DETAIL
1/2" = 1'-0"



SIDEWALK PLAN - BUILDING "O"

Chiodini ARCHITECTS
Architecture / Interior Design / Graphics
1401 S. Brentwood Blvd. / Suite 737 / St. Louis, Missouri 63144
314-725-5088 / arch@chiodini.com

THE STAENBERG GROUP
DESIGN • DEVELOP • DELIVER

REVISED SITE DEVELOPMENT PACKAGE OCTOBER 4, 2019

THE DISTRICT AT CHESTERFIELD
RENOVATION & EXPANSION
17057 N OUTER 40 ROAD
CHESTERFIELD, MO 63005

REVISIONS:

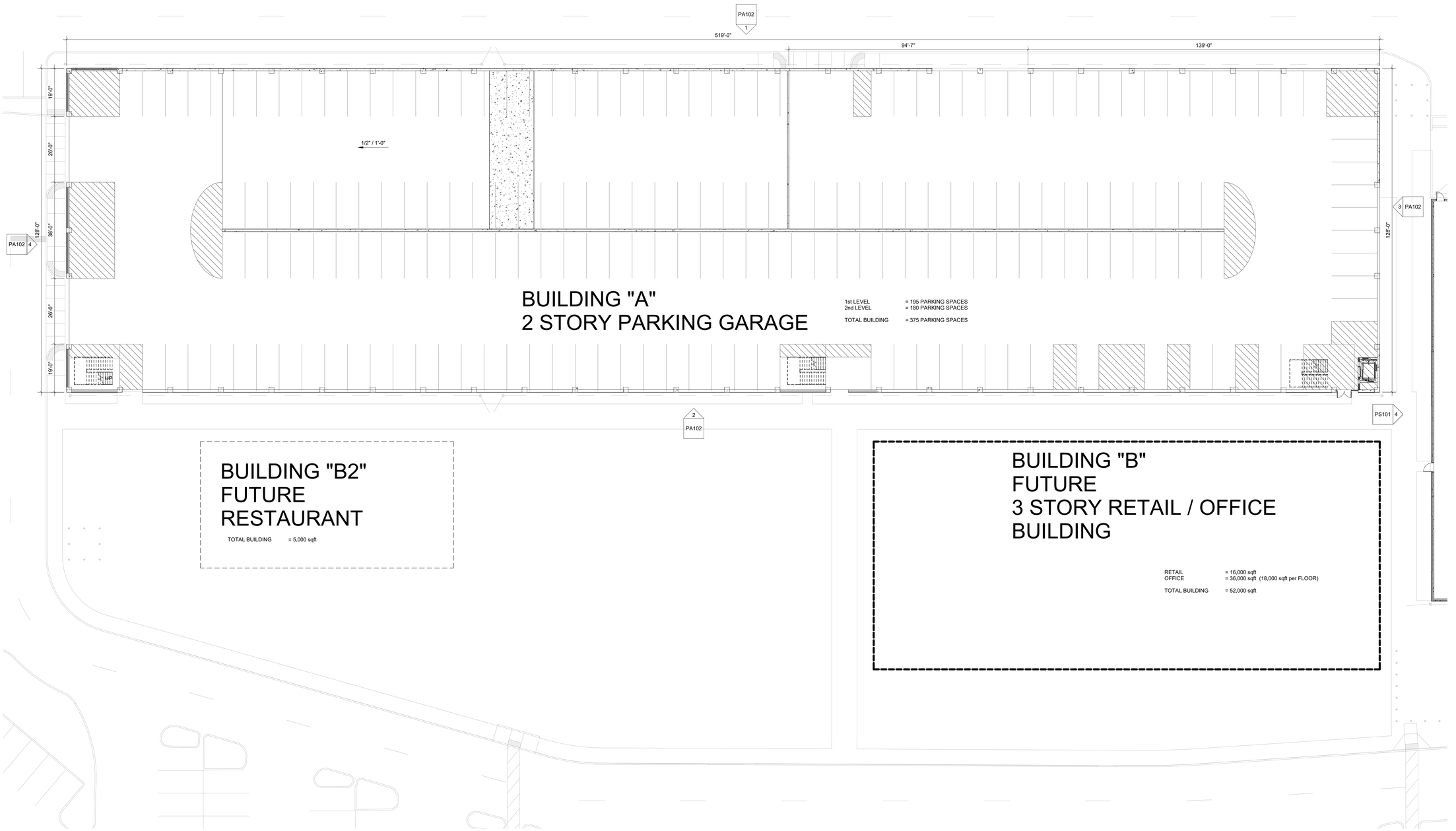
STATE OF MISSOURI
L. G. CHIODINI
NUMBER
A-2006
ARCHITECT
10/02/19

ENLARGED SIDEWALK PLANS

Project Number: 2017.074
Date: 2019.10.04
Drawn By: SM

PA052

PRINTED: 9/30/2019 7:18:02 AM



1 ENLARGED FLOOR PLAN - BUILDING A & B
1/16" = 1'-0"

PRINTED: 9/30/2019 7:14:23 AM

Chiodini ARCHITECTS
Architecture / Interior Design / Graphics
1401 S. Brentwood Blvd. / Suite 737 / St. Louis, Missouri 63144
314-725-5088 / art@chiodini.com

THE STAENBERG GROUP
DESIGN•DEVELOP•DELIVER

REVISED SITE DEVELOPMENT PACKAGE OCTOBER 4, 2019

THE DISTRICT AT CHESTERFIELD

RENOVATION & EXPANSION
17057 N OUTER 40 ROAD
CHESTERFIELD, MO 63005

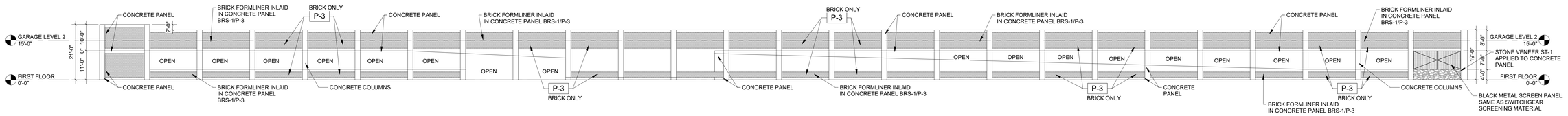
REVISIONS:

STATE OF MISSOURI
L. G. CHIODINI
NUMBER A-2007
ARCHITECT
10/02/19

ENLARGED FLOOR PLAN - BUILDING A

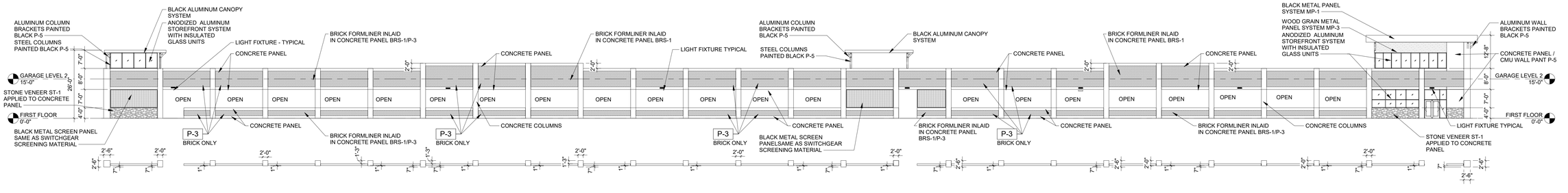
Project Number: 2017.074
Date: 2019.10.04
Drawn By: SM

PA101



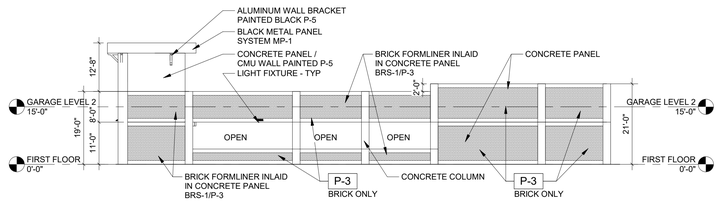
1 NORTH ELEVATION - BUILDING "A"

1/16" = 1'-0"



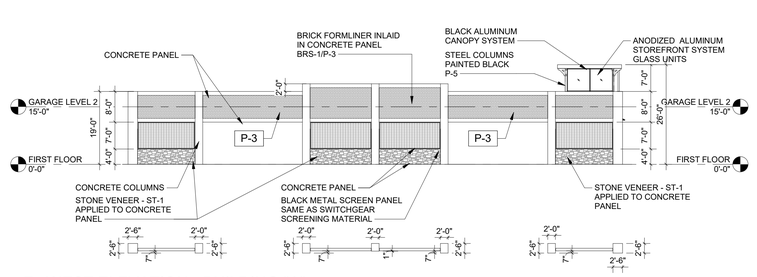
2 SOUTH ELEVATION - BUILDING "A"

1/16" = 1'-0"



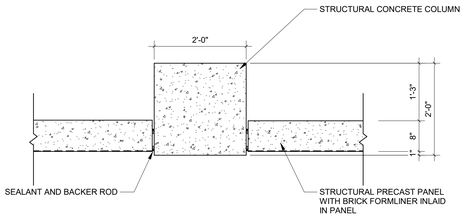
3 EAST ELEVATION - BUILDING "A"

1/16" = 1'-0"



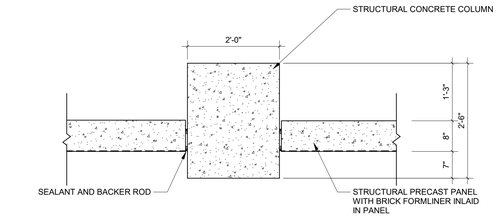
4 WEST ELEVATION - BUILDING "A"

1/16" = 1'-0"



5 TYPICAL COLUMN AT GARAGE AND PRECAST PANELS

3/4" = 1'-0"



6 TYPICAL PROJECTION COLUMN AT GARAGE AND PRECAST PANELS

3/4" = 1'-0"

EXTERIOR FINISH MATERIAL LEGEND - BUILDING A

BRS-1	**BRICK STAMP PATTERN IN CONCRETE**
P-3	**PAINT - EXTERIOR PAINT SYSTEM** SHERWIN WILLIAMS CUSTOM COLOR #SAND DOLLAR
P-5	**PAINT - EXTERIOR PAINT SYSTEM** BENJAMIN MOORE #2119-10 "SPACE BLACK"
MC-3	**METAL COPING SYSTEM** BLACK
MP-1	**METAL PANEL SYSTEM** BLACK
MP-3	**METAL PANEL SYSTEM** ROLLFAB ALUMABOARD 6" PLANK - LIGHT NATIONAL WALNUT TEXTURED
ST-1	**STONE - STONE VENEER 1** ELDORADO STONE #ALDERWOOD - STACKED STONE

Chiodini Architects
Architecture / Interior Design / Graphics
1401 S. Brentwood Blvd. / Suite 717 / St. Louis, Missouri 63144
314-725-5588 / arch@chiodini.com

THE STAENBERG GROUP
DESIGN•DEVELOP•DELIVER

REVISED SITE DEVELOPMENT PACKAGE OCTOBER 4, 2019

THE DISTRICT AT CHESTERFIELD

RENOVATION & EXPANSION
17057 N OUTER 40 ROAD
CHESTERFIELD, MO 63005

REVISIONS:

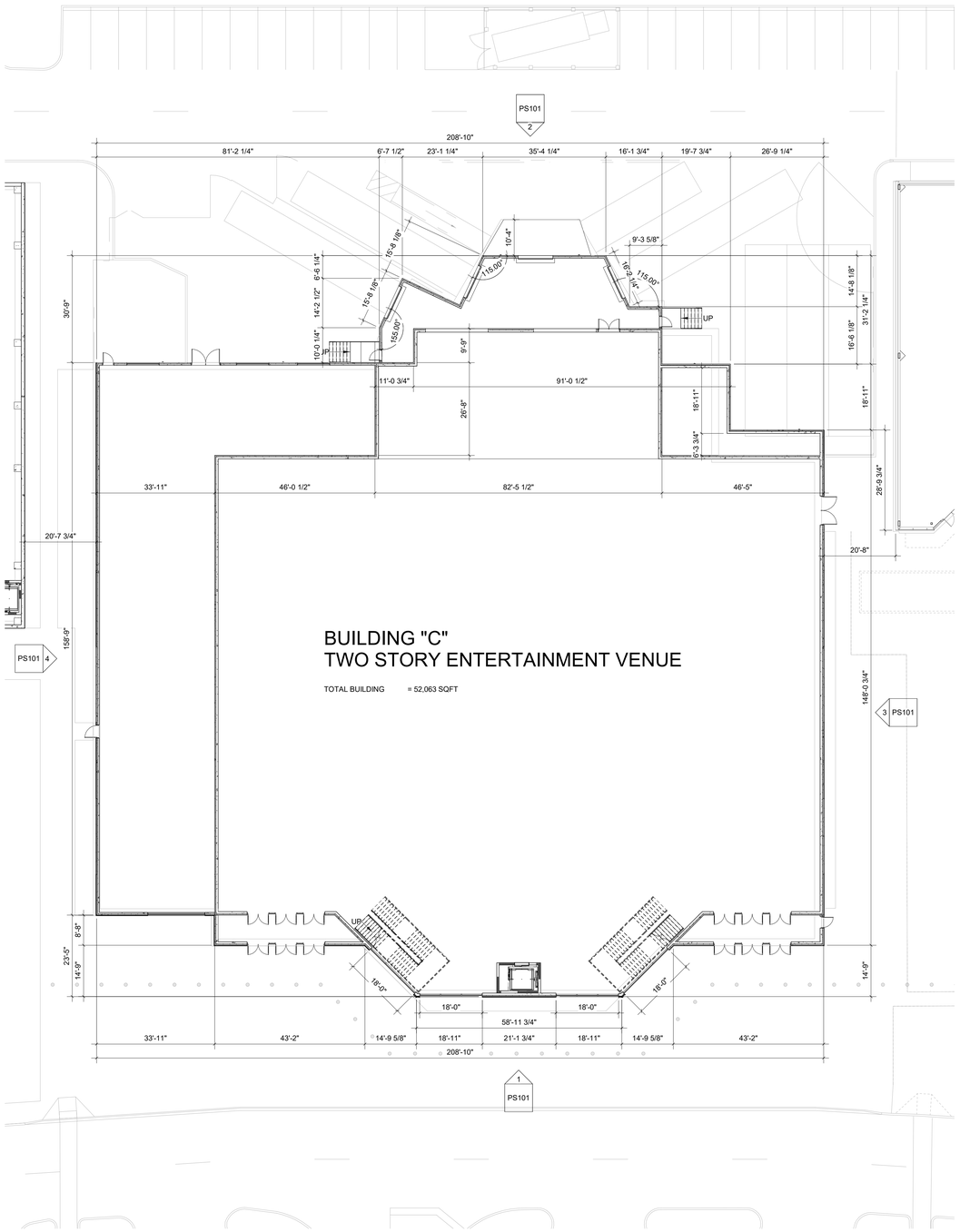
STATE OF MISSOURI
L. G. CHIODINI
NUMBER A-2006
ARCHITECT
10/02/19

EXTERIOR ELEVATIONS - BUILDING A

Project Number: 2017.074
Date: 2019.10.04
Drawn By: SM

PA102

PRINTED: 10/1/2019 11:01:24 AM



1 ENLARGED FLOOR PLAN - BUILDING C
1/16" = 1'-0"

N

PRINTED: 8/13/2019 3:07:25 PM

REVISED SITE DEVELOPMENT PACKAGE OCTOBER 4, 2019

Chiodini ARCHITECTS
Architecture / Interior Design / Graphics
1401 S. Brentwood Blvd. / Suite 737 / St. Louis, Missouri 63144
314-725-5088 / arch@chiodini.com

THE STAENBERG GROUP
DESIGN»DEVELOP»DELIVER

THE DISTRICT AT CHESTERFIELD

RENOVATION & EXPANSION
17057 N OUTER 40 ROAD
CHESTERFIELD, MO 63005

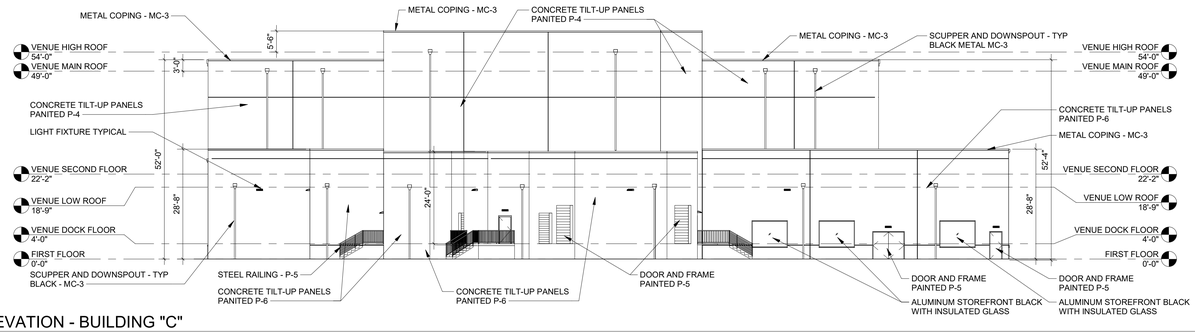
REVISIONS:

STATE OF MISSOURI
L. G. CHIODINI
NUMBER A-2006
ARCHITECT
10/02/19

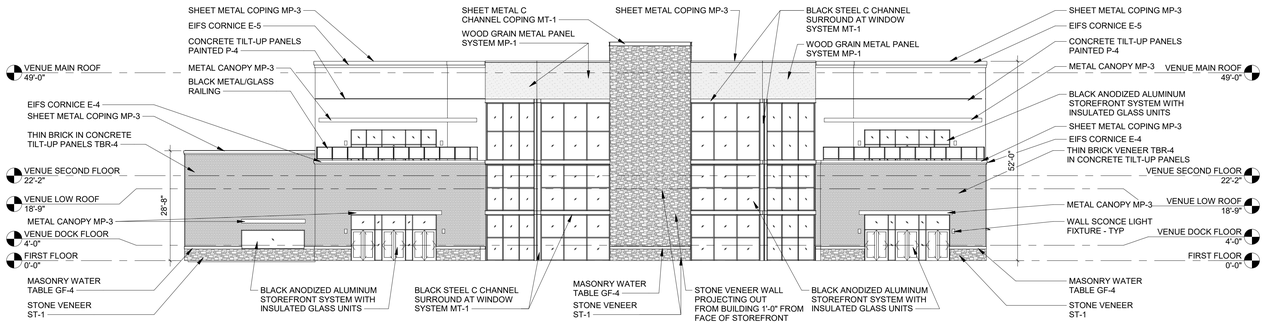
ENLARGED FLOOR PLAN - BUILDING C

Project Number:	2017.074
Date:	2019.08.16
Drawn By:	SM

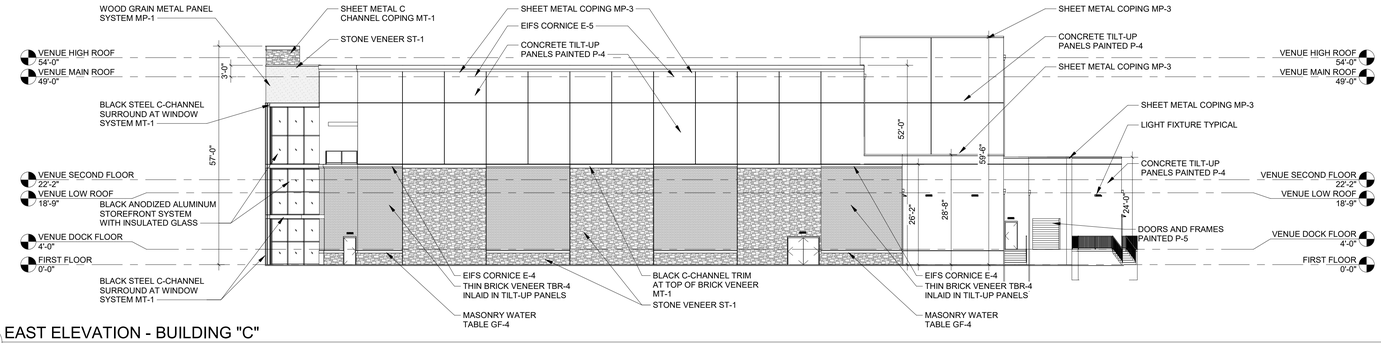
PA111



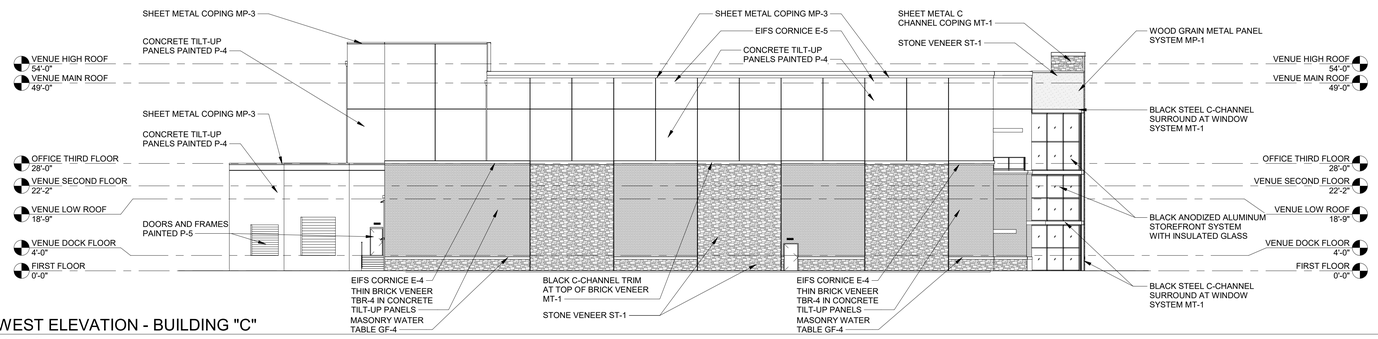
1 NORTH ELEVATION - BUILDING "C"
1/16" = 1'-0"



2 SOUTH ELEVATION - BUILDING "C"
1/16" = 1'-0"



3 EAST ELEVATION - BUILDING "C"
1/16" = 1'-0"



4 WEST ELEVATION - BUILDING "C"
1/16" = 1'-0"

EXTERIOR FINISH MATERIAL LEGEND - BUILDING C

TBR-4	**THIN BRICK VENEER 1** FELDHAUS #717 ACCUDO - MEDIUM WARM GRAY BRICK
ST-1	**STONE - STONE VENEER 1** ELDORADO STONE #ALDERWOOD - STACKED STONE
P-4	**PAINT - EXTERIOR PAINT SYSTEM** BENJAMIN MOORE #2110-30 "SADDLE SOAP"
P-5	**PAINT - EXTERIOR PAINT SYSTEM** BENJAMIN MOORE #2119-10 "SPACE BLACK"
P-6	**PAINT - EXTERIOR PAINT SYSTEM** BENJAMIN MOORE #2130-20 "DEEP CAVIAR"
E-4	**EIFS - EXTERIOR INSULATION FINISH SYSTEM** MEDIUM WARM GRAY TO MATCH BENJAMIN MOORE #2108-50 "SILVER FOX"
E-5	**EIFS - EXTERIOR INSULATION FINISH SYSTEM** BLACK TO MATCH BENJAMIN MOORE #2119-10 "SPACE BLACK"
MC-3	**METAL COPING SYSTEM** BLACK
MP-1	**METAL PANEL SYSTEM** ROLLFAB LUMABOARD 6" PLANKS - LIGHT NATIONAL WALNUT TEXTURED
MP-3	**METAL PANEL SYSTEM** BLACK
MT-1	**METAL TRIM - "C" CHANNEL** BLACK
GF-4	**MASONRY - GROUND FACE UNIT** TRENDSTONE - MEDIUM WARM GRAY

Chiodini ARCHITECTS
Architecture / Interior Design / Graphics
1401 S. Brentwood Blvd. / Suite 747 / St. Louis, Missouri 63144
314-725-5080 art@chiodini.com

THE STAENBERG GROUP
DESIGN»DEVELOP»DELIVER

THE DISTRICT AT CHESTERFIELD

RENOVATION & EXPANSION
17057 N OUTER 40 ROAD
CHESTERFIELD, MO 63005

REVISED SITE DEVELOPMENT PACKAGE OCTOBER 4, 2019

REVISIONS:

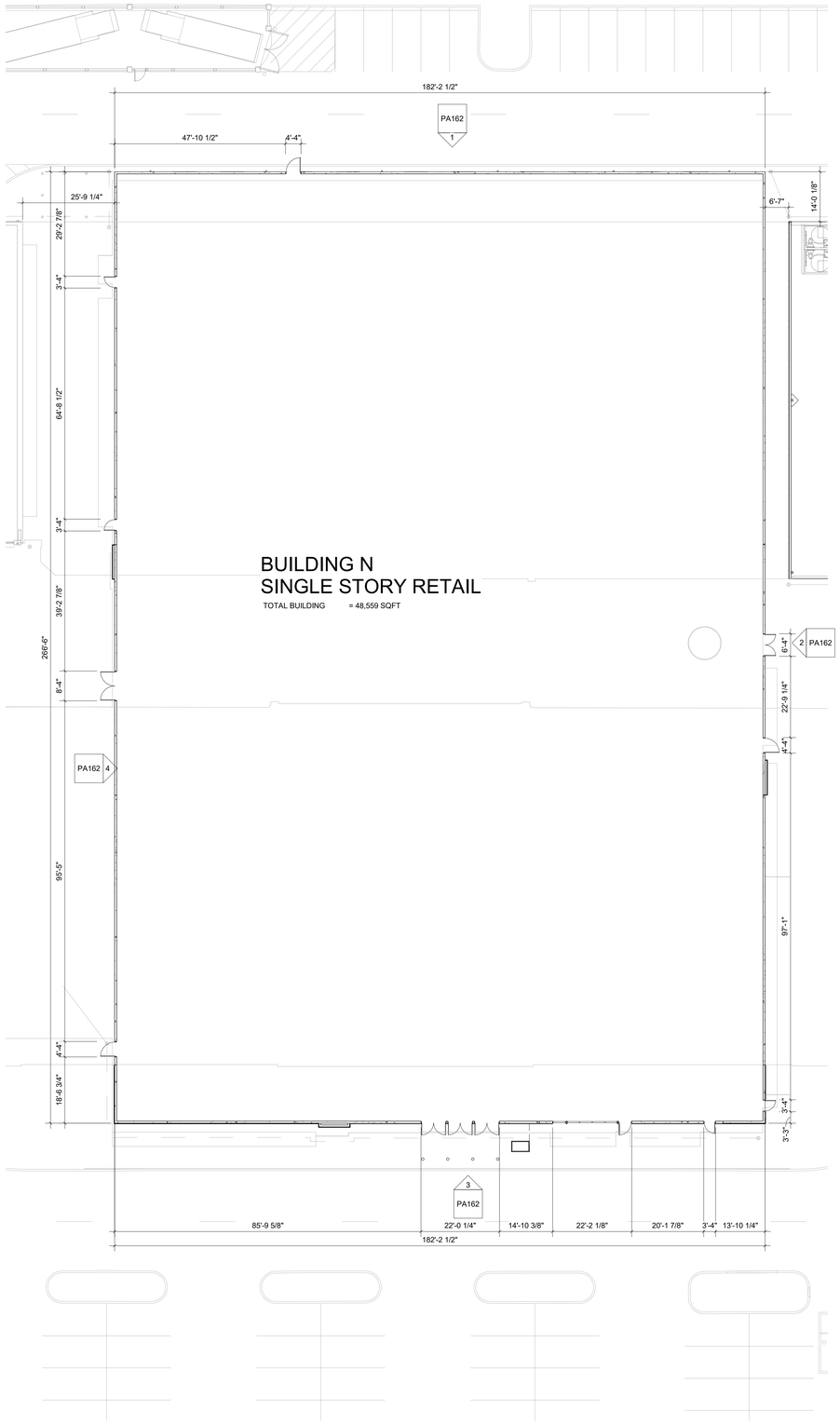
STATE OF MISSOURI
L. G. CHIODINI
NUMBER A-3906
ARCHITECT
10/02/19

EXTERIOR ELEVATIONS - BUILDING C

Project Number: 2017.074
Date: 2019.10.04
Drawn By: SM

PA112

PRINTED: 9/30/2019 7:14:31 AM



1 ENLARGED FLOOR PLAN - BUILDING M
1/16" = 1'-0"

PRINTED: 9/30/2019 7:14:32 AM

REVISED SITE DEVELOPMENT PACKAGE OCTOBER 4, 2019

Chiodini ARCHITECTS
Architecture / Interior Design / Graphics
1401 S. Brentwood Blvd. / Suite 737 / St. Louis, Missouri 63144
314-725-5088 / arch@chiodini.com

THE STAENBERG GROUP
DESIGN»DEVELOP»DELIVER

THE DISTRICT AT CHESTERFIELD

RENOVATION & EXPANSION
17057 N OUTER 40 ROAD
CHESTERFIELD, MO 63005

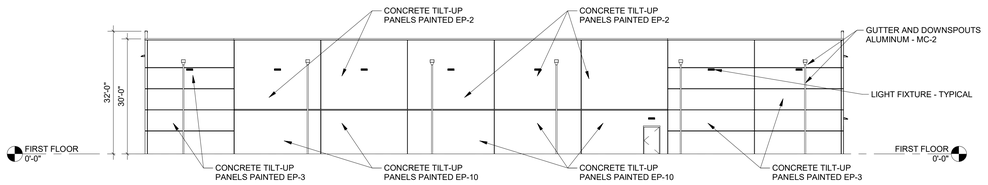
REVISIONS:

STATE OF MISSOURI
L. G. CHIODINI
NUMBER A-2006
ARCHITECT
10/02/19

ENLARGED FLOOR PLAN - BUILDING N

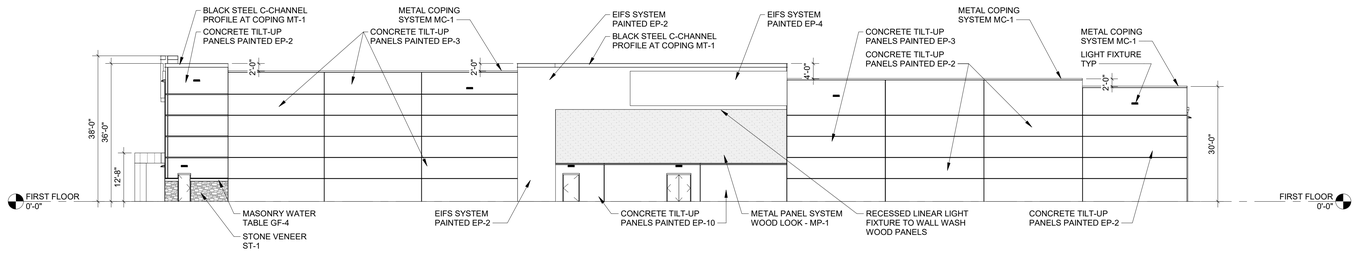
Project Number: 2017.074
Date: 2019.10.04
Drawn By: SM

PA161



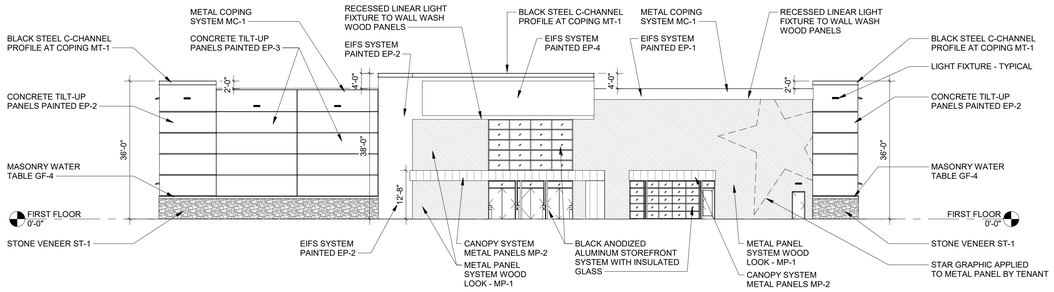
1 NORTH ELEVATION - BUILDING "N"

1/16" = 1'-0"



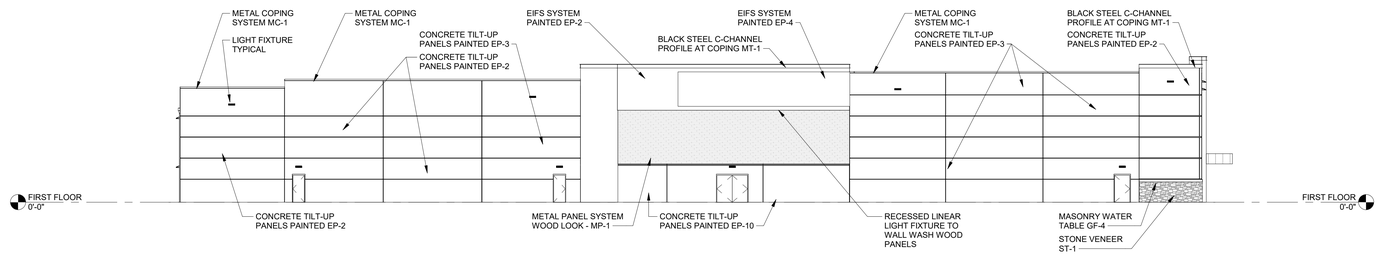
2 EAST ELEVATION - BUILDING "N"

1/16" = 1'-0"



3 SOUTH ELEVATION - BUILDING "N"

1/16" = 1'-0"



4 WEST ELEVATION - BUILDING "N"

1/16" = 1'-0"

EXTERIOR FINISH MATERIAL LEGEND - BUILDING N

ST-1	**STONE - STONE VENEER 1** ELDORADO STONE #ALDERWOOD
EP-1	**PAINT - EXTERIOR PAINT SYSTEM** SHOJI WHITE - SW 7042
EP-2	**PAINT - EXTERIOR PAINT SYSTEM** ACCESSIBLE BEIGE - SW7036
EP-3	**PAINT - EXTERIOR PAINT SYSTEM** VIRTUAL TAUPE - SW7039
EP-4	**PAINT - EXTERIOR PAINT SYSTEM** COBALT STONE - PPG 1241-7
EP-10	**PAINT - EXTERIOR PAINT SYSTEM** GRIFFIN - SW7026
MC-1	**METAL COPING SYSTEM** BLACK
MC-2	**METAL SCUPPERS & DOWNSPOUTS** BERRIDGE - SIERRA TAN
MP-1	**METAL PANEL SYSTEM** ROLLFAB - SUPER OAK TEXTURED
MP-2	**METAL PANEL SYSTEM** ALPOLIC CFB BLUE
MT-1	**METAL TRIM - "C" CHANNEL** BLACK
GF-4	**MASONRY - GROUND FACE UNIT** TRENDSTONE MEDIUM WARM GRAY

Chiodini Architects
Architecture / Interior Design / Graphics
1401 S. Brentwood Blvd. / Suite 737 / St. Louis, Missouri 63144
314-725-5088 art@chiodini.com

THE STAENBERG GROUP
DESIGN»DEVELOP»DELIVER

REVISED SITE DEVELOPMENT PACKAGE OCTOBER 4, 2019

THE DISTRICT AT CHESTERFIELD

RENOVATION & EXPANSION

17057 N OUTER 40 ROAD
CHESTERFIELD, MO 63005

REVISIONS:

STATE OF MISSOURI
L. G. CHIODINI
NUMBER A-2986
ARCHITECT
10/02/19

EXTERIOR ELEVATIONS - BUILDING N

Project Number: 2017.074
Date: 2019.10.04
Drawn By: SM

PA162

PRINTED: 9/30/2019 7:14:34 AM

LOCHMUELLER GROUP

MEMO

To: Mr. Tim Lowe, The Staenberg Group

Mr. Brian Carp, Contemporary Productions, LLC

From: Ms. Julie Nolfo, PE, PTOE, Lochmueller Group

Date: June 24, 2019

Subject: Traffic Management Plan for the Music Factory

As requested by the City of Chesterfield, Lochmueller Group (Lochgroup) has prepared the following Traffic Management Plan (TMP) for events at the proposed 3,000 seat Music Factory Venue within the District. The District is located northeast of the Boones Crossing & Interstate 64 (I-64) interchange, along the north side of North Outer Forty Road in Chesterfield, Missouri. The site is currently developed and is the location of the existing Taubman Prestige Outlets. Figure 1 illustrates the site's location.

Figure 1. Site Location

The Music Factory is anticipated to accommodate approximately 125 events annually; which would equate to 10 or 11 events per month. Events at the concert venue would typically fall outside of the peak hours of the adjacent roadways and commonly on a Friday or Saturday evening, with doors opening at 7:00 PM for a show scheduled to begin at 8:00 PM.

The percentage of patrons utilizing ride sharing services will vary from show to show, as will the vehicle occupancy. Therefore, the traffic impacts associated with any one show could vary significantly; depending upon the demographics of the targeted audience. Shows attractive to younger generations will most likely have higher percentage of ride share trips as well as higher vehicle occupancy. Consequently, the traffic ramifications of the various events at the Music Factory can be challenging to predict. Furthermore, it is unrealistic to assume that an event would occur without some build up of traffic as patrons attempt to arrive and exit within a concentrated time period.

411 North 10th Street, Suite 200
St. Louis, Missouri 63101
PHONE: 314.621.3395

Therefore, it is recommended that a TMP be implemented once the venue is operational with the following protocols:

- The western drive to the District would be signed for the Music Factory venue and associated parking.

- The TMP would be enacted if 80% of the 3,000 seats within the venue were sold prior to 48 hours before the event.

- Off-duty police officers would be utilized for traffic control along North Outer Forty Road. The cost associated with all off-duty officers would be absorbed by the venue operator.

- Trained parking attendants would be utilized for traffic control within the parking structure and adjacent surface parking lots.

- Moveable sandwich board signs, with large font type, would be placed according to the TMP.

- Moveable barricades would be placed according to the TMP.

- The attached Figures depict Option A and Option B of the TMP for accommodating ***inbound traffic*** prior to an event. Option A utilizes a single inbound lane at the western access drive and loads the parking structure first followed by the adjacent surface parking lots. Option B utilizes two inbound lanes (traffic flow would be reversed on the outbound lane) and simultaneously loads the parking structure and the adjacent surface parking lots.

- Based upon the demographics of the event, the operators could enact either Option A or Option B of the TMP for accommodating inbound traffic prior to an event. Should the operators choose Option A and inbound traffic continues to back up on North Outer Forty Road towards Boone's Crossing, the TMP could quickly adjust to Option B to alleviate any queues.

- ***Outbound traffic flow***, as depicted in the attached TMP Figures, would be accommodated via two outbound lanes (traffic flow would be reversed on the inbound lane)

- The Music Factory venue would encourage a "slow release" of patron after an event; offering concessions, etc. rather than ushering all patrons out immediately following the show.

- ***Ride-share services*** would be directed past the western access drive and encouraged to utilize the access drives further to the east on North Outer Forty Road.

- Should an event be scheduled to occur during peak periods (4:00 to 6:00 PM weekdays, midday on Saturdays), the operators of the venue would reach out to the Missouri Department of Transportation (MoDOT) at least one week prior to make MoDOT aware of the event and to inquire if adjustments to the traffic signals along Boone's Crossing are necessary. MoDOT has indicated a willingness to assess this need on a case by case basis.

A successful TMP requires a solid working relationship between the venue operator and the agencies that control traffic in the immediate area. Therefore, it is recommended that the venue operator initiate a meeting with the City of Chesterfield Police Department and MoDOT closer to opening. The contacts for these two agencies are as follows:

- City of Chesterfield Police Department
  Chief Ray Johnson
  rjohnson@chesterfield.mo.us
  636-537-3000
- MoDOT - Southwest St. Louis County
  Karen Yeomans, PE – Area Engineer
  Karen.Yeomans@modot.mo.gov
  314-340-4356
  Jeff Baird, PE – Senior Traffic Studies Specialist
  jeffery.baird@modot.mo.gov
  314-877-0135

Lastly, it should be acknowledged that the TMP put forth has been developed with input from the operator (Contemporary Productions), the property manager (The Staenberg Group), MoDOT and the City of Chesterfield. It is recommended that once the venue has been operational for 60 days and the TMP has been employed for a minimum of four events that a meeting with the various entities be held to discuss the advantages and disadvantages of the TMP's implementation, the need to adjust the "triggers" for implementation, etc. Furthermore, it is suggested that an annual review of the TMP be conducted, when desired by either the City of Chesterfield, the operator or the property manager. Should there be a need for any modifications of the TMP in the future, it is recommended that those modifications are documented and would supersede the TMP outlined in this memorandum.

Should you have any questions or concerns, please do not hesitate to contact our offices at 314-446-3791.

NOTES:

1) LOAD PARKING GARAGE FROM TOP DOWN
2) LOWER LEVEL SOUTH SIDE
   -ACCESIBLE
   -VIP
   -IF NEEDED, OVER FLOW PARKING
3) ATT #1 - DIRECTING TRAFFIC UP RAMP, FILTERING HC/VIP PARKING
   ATT #2 - DIRECTING TRAFFIC TO LEVEL 2, DISCOURAGING ERRANT PARKING
   ATT #3 - AIDING WITH PARKING
4) AS LEVEL 2 FILLS, ATT #3/ATT #2 BECOME REDUNDANT, ATT #2 CAN REDIRECT TO STAGE 2 INBOUND LOCATION

LEGEND:

POLICE CONTROL

PARKING CONTROL ATTENDANT (ATT)

MOVEABLE BARRICADE

MOVEABLE SANDWICH BOARD SIGNS (SEE SIGN DETAILS)

SIGN A

MUSIC FACTORY PARKING

SIGN B

RIDE SHARE

N.T.S.

GARAGE LEVEL 2

GARAGE LEVEL 1

RAMP UP

GENERAL PARKING

RAMP UP

ACCESIBLE/VIP

THE MUSIC FACTORY VENUE

BOONES CROSSING

N OUTER 40 RD

INTERSTATE 64

THE MUSIC FACTORY
TRAFFIC MANAGEMENT PLAN

INBOUND TRAFFIC FLOW:
STAGE 1 (OPTION A)

NOTES:

1) ATT #3 MOVES DOWN RAMP AS NEEDED TO ASSIST WITH PARKING.
2) ATT #2 MOVES TO OUTSIDE GARAGE AND MOVES SURFACE LOT BARRICADE TO SOUTH ACCESS OFF TO SIDE. FILTER TRAFFIC BETWEEN PARKING GARAGE AND SURFACE LOT AS NEEDED TO AVOID BACKUPS, OR UNTIL GARAGE FILLS.
3) ONCE GARAGE IS NEARLY FULL, ATT #1/ATT #3 MOVE TO SURFACE LOT TO ASSIST WITH PARKING AS NEEDED

LEGEND:

POLICE CONTROL

PARKING CONTROL ATTENDANT (ATT)

MOVEABLE BARRICADE

MOVEABLE SANDWICH BOARD SIGNS (SEE SIGN DETAILS)

SIGN A

MUSIC FACTORY PARKING

SIGN B

RIDE SHARE

N.T.S.

GARAGE LEVEL 2

GARAGE LEVEL 1

RAMP UP

GENERAL PARKING

RAMP UP

ACCESSIBLE/VIP

THE MUSIC FACTORY VENUE

BOONES CROSSING

N OUTER 40 RD

INTERSTATE 64

THE MUSIC FACTORY
TRAFFIC MANAGEMENT PLAN

INBOUND TRAFFIC FLOW:
STAGE 2 (OPTION A)

NOTES:

1) IF STRIPED LANE LINE IS NOT PRESENT, USE CONES TO DELINEATE 2 INBOUND LANES
2) REQUIRES 5 ATTENDANTS.
   - ATT 2 AND 3 IN GARAGE, ADJUST SIMILAR TO OPTION A PLAN AS GARAGE FILLS

LEGEND:

POLICE CONTROL

PARKING CONTROL ATTENDANT (ATT)

MOVEABLE BARRICADE

MOVEABLE SANDWICH BOARD SIGNS (SEE SIGN DETAILS)

SIGN A

MUSIC FACTORY PARKING

SIGN B

RIDE SHARE

N.T.S.

GARAGE LEVEL 2

GARAGE LEVEL 1

RAMP UP

GENERAL PARKING

RAMP UP

ACCESSIBLE/VIP

THE MUSIC FACTORY VENUE

BOONES CROSSING

N OUTER 40 RD

INTERSTATE 64

THE MUSIC FACTORY
TRAFFIC MANAGEMENT PLAN

INBOUND TRAFFIC FLOW:
OPTION B

NOTES:

1) RUN 2 OUTBOUND LANES IF NEEDED

LEGEND:

POLICE CONTROL

PARKING CONTROL ATTENDANT (ATT)

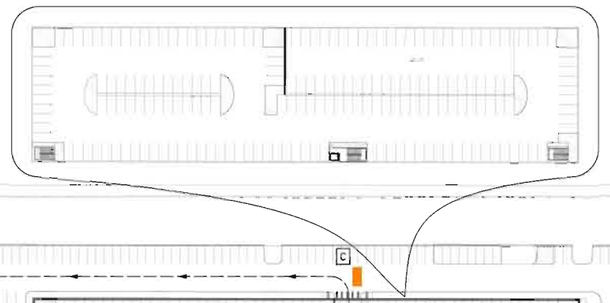
MOVEABLE BARRICADE

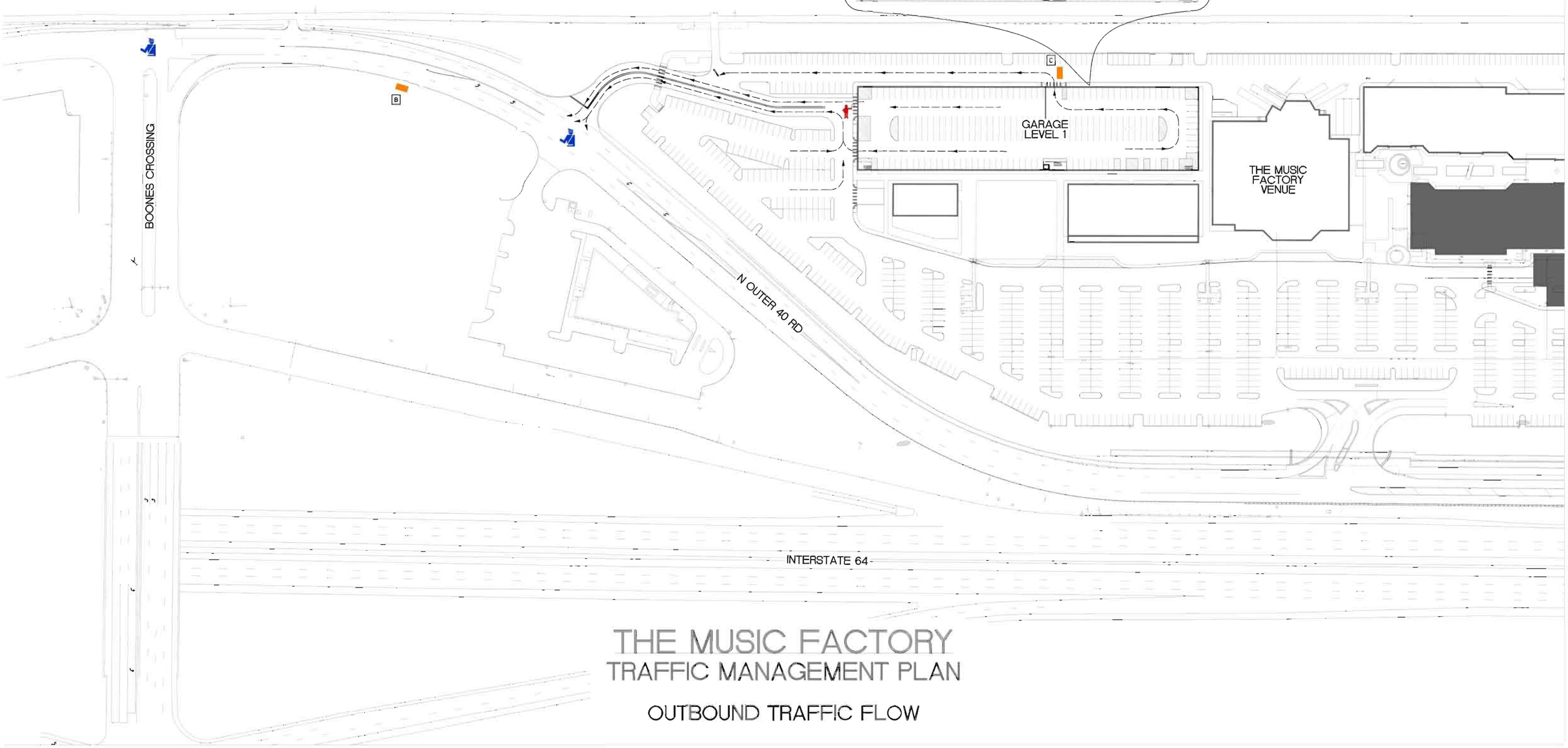
MOVEABLE SANDWICH BOARD SIGNS (SEE SIGN DETAILS)

SIGN B

SIGN C

N.T.S.





THE MUSIC FACTORY
TRAFFIC MANAGEMENT PLAN

OUTBOUND TRAFFIC FLOW

The District - Music Venue
Decorative Wall Sconce
Type A1

FEISS
EST. 1955

OL11603ORB-LED: 6 - Light Outdoor Wall Lantern

Dimensions:

Length: 36 1/2"
Width: 6"
Height: 7"
Weight: 13 lbs.

Extends: 3 1/2"
Wire: 8"
Mounting Proc.: Universal Mounting Plate
Connection: Mounted To Box
Bulb Type: Modules
Bulb Base: Integrated
Watts: 60
Hours Rated: 50000
Lumens: 5400
Bulb Temp: 2700 °K
CRI: 90

Bulbs:

1 - LED Integrated Array 60w 120v - included

Features:

- Meets American with Disabilities Act standard extension requirements
- This advanced LED technology is carefully designed and selected to consist of the highest quality LED chipsets for superior performance and reliability.

Material List:

1 Body - Cast Aluminum - Oil Rubbed Bronze

Safety Listing:

Safety Listed for Wet Locations

Instruction Sheets:

Trilingual (English, Spanish, and French)
(OL11601_OL11602_OL11603-LED)

Collection: Mattix

UPC #:014817565751

Finish: Oil Rubbed Bronze (ORB)

Backplate / Canopy Details:

Type	Height / Length	Width	Depth	Diameter	Outlet Box Up	Outlet Box Down
Back Plate	24 3/4	5 3/4	1			18 1/8

Shipping Information:

Package Type	Product #	Quantity	UPC	Length	Width	Height	Cube	Weight	Frt. Class	UPS Ship
Individual	OL11603ORB-LED	1	014817565751	42	10	7.5	1.823	18.5	93	Yes
NJ Pallet		42		48	40	73	81.111	785.4		No
NV Pallet		42		48	40	73	81.111	785.4		No

Halo Commercial

DESCRIPTION

Recessed 6-inch LED downlight provides narrow, medium or wide distribution patterns ideal for general area lighting. Lumen options range from 1000 to 4000 lumens in color temperatures of 2700K, 3000K, 3500K, and 4000K; in 80 or 90CRI. Luminaire is airtight and can be installed in new construction or below the finished ceiling in remodeling applications. Intended for healthcare, hospitality, office spaces, and institutional applications.

Catalog #		Type
Project	The District	A2
Comments	Music Venue Canopy Downlights	Date
Prepared by		

SPECIFICATION FEATURES

Housing Frame
- Boat shaped galvanized steel plaster frame with adjustable plaster lip accommodates 1/2" to 1-1/2" thick ceilings
- May be installed in new construction; may be installed from below the finished (non-accessible) ceiling in remodeling (with mounting bars removed).
- Provided with (2) old work remodel clips to secure the frame to the ceiling

Universal Mounting Bracket
- Mounting bracket adjusts 2" vertically from above the ceiling or thru the aperture
- Use with the included mounting bars or with ½" EMT
- Removable to facilitate installation from below the finished ceiling

Mounting Bars
- Captive pre-installed No Fuss™ mounting bars lock to tee grid with screwdriver or pliers
- Centering mechanism allows for consistent positioning of fixtures

LED Module
- Proximity phosphors over chip on board LEDs provide a uniform source with high efficiency and no pixilation
- Available in 80 or 90 CRI minimum, accuracy within 3 SDCM provides color uniformity
- 90 CRI option: R9>50 (refer to photometry section)
- Correlated color temperature options
  - 2700K
  - 3000K
  - 3500K
  - 4000K
- Passive thermal management achieves L70 at 50,000 hours in IC and non IC applications
- Integral diffuse lens provides visual shielding
- Integral connector allows quick connection to housing flex

Lumen Options
- Nominal lumen values
  - 1000 lm
  - 1500 lm
  - 2000 lm
  - 3000 lm
  - 4000 lm

Reflector
- Self-flanged aluminum reflectors are available in narrow, medium or wide distribution patterns
- Medium distribution polymer non-conductive matte white reflector may be used to meet local codes for 'dead front' applications (Non-IC, 3000 lumen max.)
- Wall wash reflector features a rotatable insert assembly with integral linear spread lens for precise alignment of vertical illumination.
- Reflector attaches to LED module with (3) speed clamps
- Multiple painted or plated finishes are available

Reflector / Module Retention
- Reflector / module assembly is securely retained in the housing with (2) torsion springs

Driver
- Field replaceable constant current driver provides low noise operation
- UNV 120-277VAC 50/60Hz input standard
- 347VAC 50/60Hz input option (Canada only)
- Continuous, flicker-free 1% dimming with 0 -10V analog control
- Optional low voltage DC driver for use with Eaton's DLVP distributed low voltage power system combines power and control

Emergency Option
- Provides 90 minutes of standby lighting meeting most life safety codes for egress lighting
- Available with integral or remote charge indicator and test switch

Connected Lighting System Options
- WaveLinx tile mount daylight sensor includes control module, sensor and cable providing comprehensive lighting control
- LumaWatt Pro (powered by Enlighted) wireless tile mount sensor and control kit

Junction Box
- Galvanized steel junction box
- 20 in^3 internal volume excluding voltage barrier
- 25 in^3 internal total volume
- Voltage divider for 0-10V dimming wires [occupies (1) ½" pry-out space]
- Listed for (8) #12 AWG (four in, four out) 90° C conductors and feed-thru branch wiring
- (3) ½" and (2) ¾" trade size pry-outs available
- (3) 4-port push wire nuts for mains voltage, with 1-port for fixture connection

Compliance
- cULus Listed/Classified, wet location labeled for covered ceilings
- IP20 - Above finished ceiling; IP65 - Below finished ceiling
- Non-IC rated 3000, 4000 lumen models. Insulation must be kept 3" from top and sides.
- IC rated 1000, 1500, 2000 lumen models, and suitable for direct contact to air permeable insulation
- Not for use in direct contact with spray foam insulation, consult NEMA LSD57-2013
- Airtight per ASTM-E283-04
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- EMI/RFI emissions FCC CFR Title 47 Part 15 Class A at 120/277V & Class B at 120V
- Contains no mercury or lead and RoHS compliant
- Photometric testing in accordance with IES LM-79-08
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11
- 1000, 1500 and 2000 lumen 90CRI ICAT models may be used to comply with State of California Title 24 residential code, with JA8-2016-E database certification
- May be used to comply with State of California Title 24 non-residential code, as a dimmable LED luminaire
- ENERGY STAR® certified, reference certified light fixtures database

Warranty
- Five year limited warranty, consult website for details. www.eaton.com/lighting/legal

HC6
Frame

HM6
LED Module

61
61PS
Series Reflectors

6-inch Lens Downlight and Lens Wall Wash

1000/1500/2000/ 3000/4000 Lumen

ENERGY STAR

Efficiency Standards T24 California Title 24 Residential and Non-Residential Compliant

FC

Halo Commercial

ENERGY DATA

Series	1000 lumen	
Input Voltage (VAC)	120V	277V
Input Current (A)	0.085	0.042
Input Power (W)	10.1	10.9
In-rush Current (A)	0.644	1.95
In-rush Duration (ms)	0.125	0.24
THDi (%)	8.6	15.6
PF:	≥ 0.90	
(Nominal input 120-277VAC & 100% of rated output power)		
Minimum starting temperature -40°C (-40°F)		
Sound Rating: Class A standards		

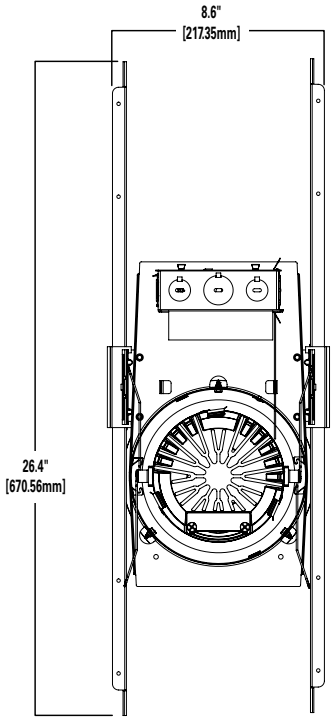
Series	1500 lumen	
Input Voltage (VAC)	120V	277V
Input Current (A)	0.119	0.055
Input Power (W)	14.2	14.9
In-rush Current (A)	0.212	0.85
In-rush Duration (ms)	0.28	0.32
THDi (%)	7.8	16.3
PF:	≥ 0.90	
(Nominal input 120-277VAC & 100% of rated output power)		
Minimum starting temperature -40°C (-40°F)		
Sound Rating: Class A standards		

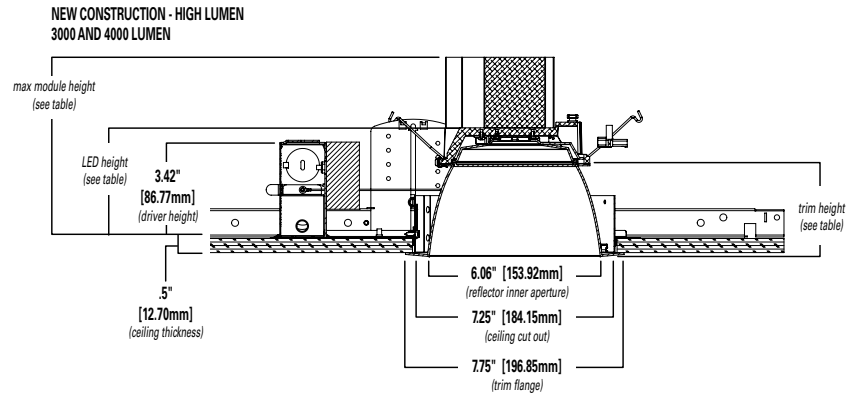
Series	2000 lumen	
Input Voltage (VAC)	120V	277V
Input Current (A)	0.176	0.082
Input Power (W)	21.1	21.4
In-rush Current (A)	0.588	0.624
In-rush Duration (ms)	0.3	0.38
THDi (%)	8.8	11.2
PF:	≥ 0.90	
(Nominal input 120-277VAC & 100% of rated output power)		
Minimum starting temperature -40°C (-40°F)		
Sound Rating: Class A standards		

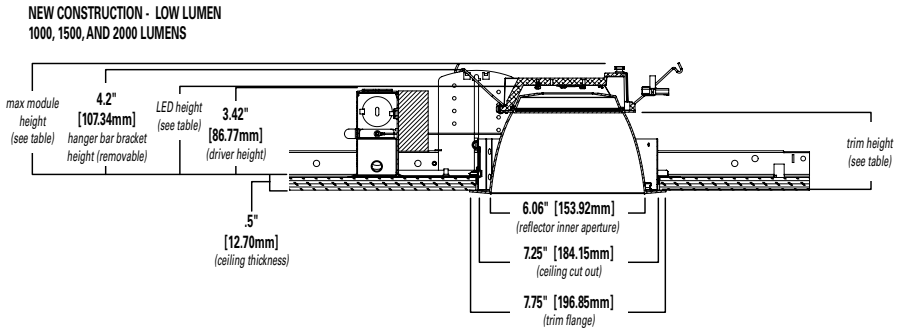
Series	3000 lumen	
Input Voltage (VAC)	120V	277V
Input Current (A)	0.228	0.102
Input Power (W)	27.2	27
In-rush Current (A)	0.898	1.7
In-rush Duration (ms)	0.36	0.38
THDi (%)	9.7	9.3
PF:	≥ 0.90	
(Nominal input 120-277VAC & 100% of rated output power)		
Minimum starting temperature -40°C (-40°F)		
Sound Rating: Class A standards		

Series	4000 lumen	
Input Voltage (VAC)	120V	277V
Input Current (A)	0.345	0.15
Input Power (W)	41.3	40.7
In-rush Current (A)	1.05	2.23
In-rush Duration (ms)	0.32	0.34
THDi (%)	10.06	14.01
PF:	≥ 0.90	
(Nominal input 120-277VAC & 100% of rated output power)		
Minimum starting temperature -40°C (-40°F)		
Sound Rating: Class A standards		

DIMENSIONS







High Lumen (3000 & 4000 Lumens)

Distribution	Max. Module Height	Trim Height	LED Height
Narrow	6.6"	3.4″	3.8″
Medium	6.7″	3.5″	3.9″
Wide	6.5″	3.3″	3.7″
Baffle	6.5″	3.3″	3.7″

Low Lumen (1000, 1500 & 2000 Lumens)*

Max. Module Height	Trim Height	LED Height
4.5"	3.4″	3.8″
4.6″	3.5″	3.9″
4.4″	3.3″	3.7″
4.4″	3.3″	3.7″

*Max. height w/hanger bar bracket 4.2″

Ordering Information

Sample Number: HC620D010REM7 – HM612835 - 61MDC
A complete luminaire consists of a housing frame, LED module, and reflector (ordered separately)

Mounting Frame	Lumens	Input / Control	Options	Accessories
HC6 = 6" new construction and remodeler housing **HC6CP** = 6" new construction and remodeler housing, CCEA Chicago Plenum rated	**10** = 1000 lumens (nominal) **15 =** 1500 lumens (nominal) **20 =** 2000 lumens (nominal) **30 =** 3000 lumens (nominal) **40 =** 4000 lumens (nominal)	**D010** = 120-277VAC 50/60Hz 0-10V analog 1%-100% dimming **D010347** = 347VAC 50/60Hz 0-10V analog 1%-100% dimming (Canada only) [1]	**REM7** = 7 watt emergency module with remote test / indicator light, use with D010 only [1] **REM14** = 14 watt emergency module with remote test / indicator light, use with D010 only [1] **IEM7** = integral 7 watt emergency module with integral test / indicator light, use with D010 only [1] **IEM14** = integral 14 watt emergency module with integral test / indicator light, use with D010 only [1] **LWTPD1** = factory installed LumaWatt Pro wireless tile mount sensor kit, use with D010 only [1] **SWPD1** = factory installed WaveLinx tile mount daylight sensor, includes control module, sensor, and cable, use with D010 only [1]	**HB128APK** = L channel hanger bar, 26" pair (replacement) **RMB22** = Adjustable wood joist mounting bars, pair, extend to 22" long **H347** = 347 to 120V step down transformer, 75VA **H347200** = 347 to 120V step down transformer, 200VA **PORLWTPD1** = Field installed LumaWatt Pro wireless sensor kit, use with D010 only [1] **TMSWPD1** = Field installed WaveLinx wireless sensor kit, use with D010 only [1]
		DLV = Distributed Low Voltage driver, 1%-100% dimming DLV for use with Eaton's DLVP system only. Refer to DLVP low-voltage power module and DLVP specifications for details. [1]	**REMV7** = 7 watt emergency module with remote test / indicator light, use with DLV only [1, 2] **REMV14** = 14 watt emergency module with remote test / indicator light, use with DLV only [1, 2] **IEMV7** = integral 7 watt emergency module with integral test / indicator light, use with DLV only [1, 2] **IEMV14** = integral 14 watt emergency module with integral test / indicator light, use with DLV only [1, 2]	

LED Module	Lumens	CRI/CCT
HM6 = 6" LED module	**12**=1000, 1500 and 2000 lumens (nominal), use with HC610*, HC615*, HC620* housings **34**=3000 and 4000 lumens (nominal), use with HC630*, HC640* housings	**827** = 80 CRI (minimum), 2700K CCT **830** = 80 CRI (minimum), 3000K CCT **835** = 80 CRI (minimum), 3500K CCT **840** = 80 CRI (minimum), 4000K CCT **927** = 90 CRI (minimum), 2700K CCT **930** = 90 CRI (minimum), 3000K CCT **935** = 90 CRI (minimum), 3500K CCT **940** = 90 CRI (minimum), 4000K CCT

Reflector	Distribution[3]	Finish	Flange	Accessories
61 = 6" conical reflector	**ND** = narrow 55° beam angle 0.97 SC **MD** = medium 60° beam angle 1.10 SC **WD** = wide 65° beam angle 1.28 SC **RWW** = rotatable wall wash with linear spread lens	**C** = Specular clear **H** = Semi-specular clear **W** = White (white flange)	**Blank** = Polished flange standard with C & H reflectors **Blank** = White flange standard with W reflector **WF** = White flange option available with C & H reflectors	**61RWWPK** = rotatable wall wash insert for 6" reflector –replacement part kit

Baffle	Distribution[3]	Finish	Flange	Accessories
61 = 6" baffle reflector	**WD** = wide 65° beam angle 1.28 SC (nominal) **RWW** = rotatable wall wash with linear spread lens	**BB** = Black baffle (white flange) **WB** = White baffle (white flange)	**Blank** = White flange standard with BB, & WB	**61RWWPK** = rotatable wall wash insert for 6" reflector –replacement part kit

IEM Reflector	Distribution[3]	Finish	Flange	Integral Emergency
61 = 6" IEM reflector for integral emergency only	**ND** = narrow 55° beam angle 0.97 SC **MD** = medium 60° beam angle 1.10 SC **WD** = wide 65° beam angle 1.28 SC	**C** = Specular clear **H** = Semi-specular clear **W** = White (white flange)	**Blank** = Polished flange standard with C & H reflectors **Blank** = White flange standard with W reflector **WF** = White flange option available with C & H reflectors	**IEM** = Reflector for integral emergency only

IEM Baffle	Distribution[3]	Finish	Flange	Integral Emergency
61 = 6" IEM baffle reflector for integral emergency only	**WD** = wide 65° beam angle 1.28 SC (nominal)	**BB** = Black baffle (white flange) **WB** = White baffle (white flange)	**Blank** = White flange standard with BB, & WB	**IEM** = Reflector for integral emergency only

Reflector	Distribution[3]	Finish	Flange
61PS = 6" non-conductive polymer 'dead front' conical reflector[4]	**MD** = medium 60° beam angle 1.10 SC (nominal)	**W** = White (white flange)	**Blank** = White flange standard with W reflector

Notes:
1. Not available with CP version
2. ULus for U.S. only
3. Values are nominal, with specular clear reflector, other finishes and field results may vary.
4. 61PS reflector is for Non-IC environment only, and up to 3000 lumens only.

Powering Business Worldwide

Eaton
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.eaton.com/lighting

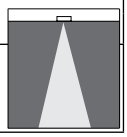
Halo Commercial

PHOTOMETRY

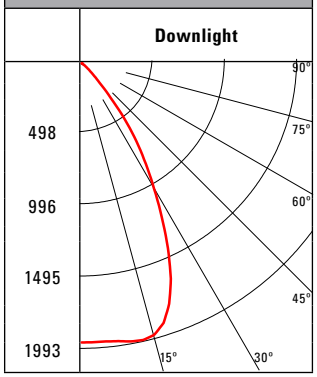
NARROW DISTRIBUTION - SPECULAR CLEAR FINISH, 2000 LUMEN MODEL, 80 CRI, 3500K

NARROW (55° BEAM*)

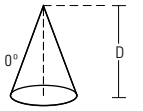
Test Number	P285970
Housing	HC620D010
Module	HM612835
Reflector	61NDC
Lumens	1920 Lm
Efficacy	96 Lm/W
SC	0.97
UGR	11.7



CANDLEPOWER DISTRIBUTION



CONE OF LIGHT



MH	FC	L	W
5.5'	64.9	5.2	5.2
7'	40	6.8	6.8
8'	30.7	7.6	7.6
9'	24.2	8.6	8.6
10'	19.6	9.6	9.6
12'	13.6	11.6	11.6

CANDELA TABLE

Degrees Vertical	Candela
0	1962
5	1962
15	1975
25	1434
35	671
45	112
55	13
65	3
75	3
85	0
90	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30	1385	72.1
0-40	1796	93.5
0-60	1915	99.7
0-90	1920	100
90-180	0	0
0-180	1920	100

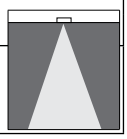
LUMINANCE

Average Candela Degrees	Average 0° Luminance
45	8706
55	1223
65	337
75	551
85	0

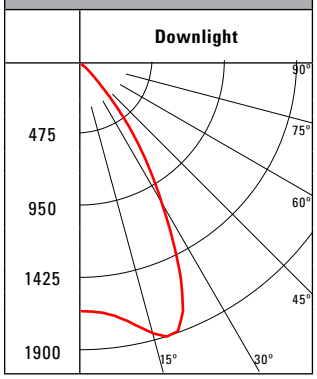
MEDIUM DISTRIBUTION - SPECULAR CLEAR FINISH, 2000 LUMEN MODEL, 80 CRI, 3500K

MEDIUM (60° BEAM*)

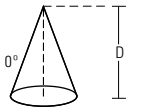
Test Number	P286170
Housing	HC620D010
Module	HM612835
Reflector	61MDC
Lumens	1959 Lm
Efficacy	97.9 Lm/W
SC	1.10
UGR	11.8



CANDLEPOWER DISTRIBUTION



CONE OF LIGHT



MH	FC	L	W
5.5'	55.2	5.8	5.8
7'	34.1	7.6	7.6
8'	26.1	8.6	8.6
9'	20.6	9.6	9.6
10'	16.7	10.8	10.8
12'	11.6	13	13

CANDELA TABLE

Degrees Vertical	Candela
0	1642
5	1660
15	1854
25	1576
35	699
45	120
55	15
65	5
75	3
85	0
90	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30	1387	70.8
0-40	1821	93
0-60	1951	99.6
0-90	1959	100
90-180	0	0
0-180	1959	100

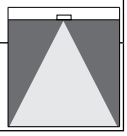
LUMINANCE

Average Candela Degrees	Average 0° Luminance
45	9296
55	1462
65	662
75	551
85	0

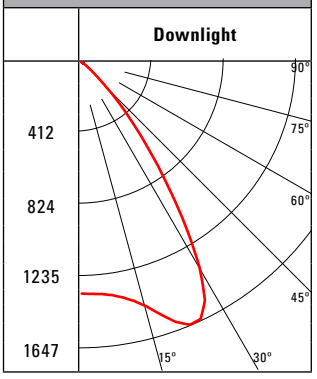
WIDE DISTRIBUTION - SPECULAR CLEAR FINISH, 2000 LUMEN MODEL, 80 CRI, 3500K

WIDE (65° BEAM*)

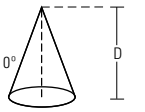
Test Number	P286370
Housing	HC620D010
Module	HM612835
Reflector	61WDC
Lumens	2045 Lm
Efficacy	102.3 Lm/W
SC	1.28
UGR	11.6



CANDLEPOWER DISTRIBUTION



CONE OF LIGHT



MH	FC	L	W
5.5'	44.3	7	7
7'	27.4	8.8	8.8
8'	21	10.2	10.2
9'	16.6	11.4	11.4
10'	13.4	12.6	12.6
12'	9.3	15.2	15.2

CANDELA TABLE

Degrees Vertical	Candela
0	1341
5	1349
15	1466
25	1642
35	877
45	201
55	28
65	5
75	2
85	0
90	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30	1282	62.7
0-40	1835	89.7
0-60	2037	99.6
0-90	2045	100
90-180	0	0
0-180	2045	100

LUMINANCE

Average Candela Degrees	Average 0° Luminance
45	15614
55	2676
65	662
75	530
85	0

*Value are nominal with specular clear reflectors, other finishes and field results may vary.
SC = Spacing Criteria
UGR = Unified Glare Rating

Photometric Multipliers (nominal lumen values)

1000 Lumen	1500 Lumen	2000 Lumen	3000 Lumen	4000 Lumen
0.52	0.72	1.00	1.44	2.02

Multipliers for relative lumen values with other series models.

CCT Multipliers – 80CRI

2700K	3000K	3500K	4000K
0.93	0.95	1.00	1.05

Multipliers for relative lumen values with other series color temperatures.

Color Finish Multipliers

Finish code	C	H	W/WB	BB
Finish	Specular Clear	Semi-Specular	Matte White White Baffle	Black Baffle
Multiplier	1.00	0.91	0.92	0.84

Multipliers for relative lumen values with other color finishes.

CCT Multipliers – 90CRI

2700K	3000K	3500K	4000K
0.75	0.82	0.90	0.89

Multipliers for relative lumen values with other series color temperatures.

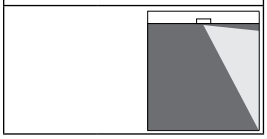
Halo Commercial

HC6
HM6
61 / 61PS

PHOTOMETRY

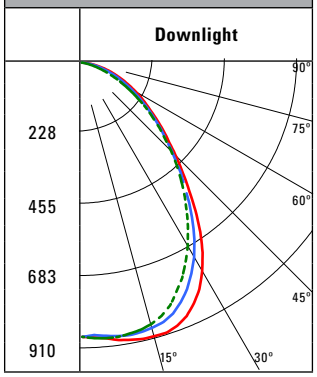
WALL WASH DISTRIBUTION - SPECULAR CLEAR FINISH, 2000 LUMEN MODEL, 80 CRI, 3500K

WALL WASH	
Test Number	P286650
Housing	HC620D010
Module	HM612835
Reflector	61RWWC
Lumens	1798 Lm
Efficacy	89.9 Lm/W
SC	1.23



SC = Spacing Criteria, nominal for specular clear reflector, other finishes and field results may vary.

CANDLEPOWER DISTRIBUTION



CANDELA TABLE	
Degrees Vertical	Candela
0	882
5	890
15	910
25	854
35	665
45	431
55	270
65	161
75	74
85	10
90	0

ZONAL LUMEN SUMMARY		
Zone	Lumens	% Fixture
0-30	696	38.7
0-40	1079	60
0-60	1629	90.6
0-90	1798	100
90-180	0	0
0-180	1798	100

LUMINANCE	
Average Candela Degrees	Average 0° Luminance
45	33399
55	25825
65	20832
75	15653
85	6416

SINGLE UNIT FOOTCANDLES

	2.5′ from wall (distance from fixture along wall)						
1	16.8	12	5.4	2	0.7	0.2	0.1
2	24.7	19.2	10.5	4.9	2.2	1	0.5
3	22.8	18.6	11.4	6.2	3.2	1.7	0.9
4	17.5	15	10.3	6.2	3.6	2	1.2
5	11.9	10.7	8.2	5.5	3.4	2.1	1.3
6	8	7.4	6.1	4.5	3.1	2	1.3
7	5.5	5.2	4.5	3.6	2.6	1.9	1.3
8	3.9	3.7	3.3	2.8	2.2	1.6	1.2
9	2.8	2.7	2.5	2.2	1.8	1.4	1.1
10	2.1	2	1.9	1.7	1.5	1.2	0.9

MULTIPLE UNIT FOOTCANDLES

	2.5′ from wall (distance from fixture along wall)			2.5′ from wall (distance from fixture along wall)		
	3			4		
1	18.8	16.6	18.8	17.5	10.7	17.5
2	29.5	29.2	29.5	26.8	20.9	26.8
3	29	29.8	29	26	22.9	26
4	23.7	25.3	23.7	21	20.5	21
5	17.4	19.2	17.4	15.4	16.3	15.4
6	12.5	13.7	12.5	11.1	12.2	11.1
7	9.1	9.8	9.1	8.1	9	8.1
8	6.7	7.1	6.7	6.1	6.7	6.1
9	5	5.3	5	4.6	5	4.6
10	3.8	4	3.8	3.5	3.8	3.5

Photometric Multipliers (nominal lumen values)

1000 Lumen	1500 Lumen	2000 Lumen	3000 Lumen	4000 Lumen
0.52	0.72	1.00	1.44	2.02

Multipliers for relative lumen values with other series models.

CCT Multipliers – 80CRI

2700K	3000K	3500K	4000K
0.93	0.95	1.00	1.05

Multipliers for relative lumen values with other series color temperatures.

Color Finish Multipliers

Finish code	C	H	W/WB	BB
Finish	Specular Clear	Semi-Specular	Matte White White Baffle	Black Baffle
Multiplier	1.00	0.91	0.92	0.84

Multipliers for relative lumen values with other color finishes.

CCT Multipliers – 90CRI

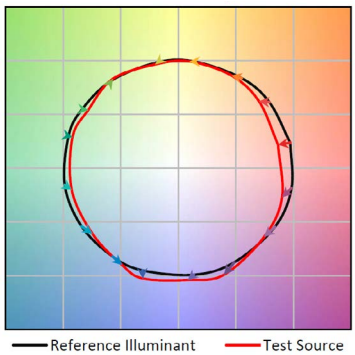
2700K	3000K	3500K	4000K
0.75	0.82	0.90	0.89

Multipliers for relative lumen values with other series color temperatures.

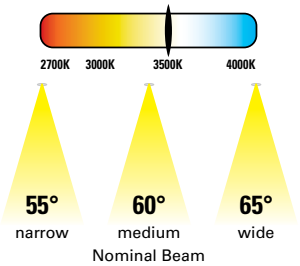
COLOR METRICS

TM-30-15 & CRI/CIE (3500K)

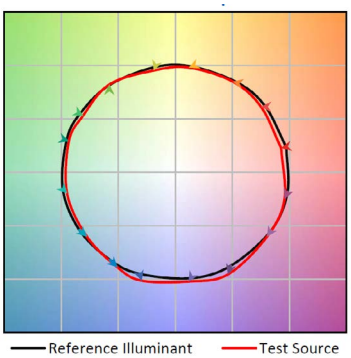
80 CRI Color Metric Summary - 3500K*



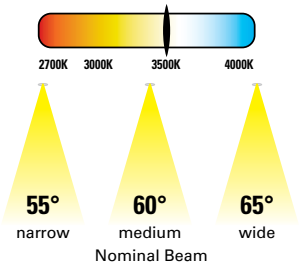
TM-30-15	R_f = 84.7
	R_g = 95.7
CRI/CIE	R_a = 85.2
	R_9 = 16.9



90 CRI Color Metric Summary - 3500K*



TM-30-15	R_f = 90.1
	R_g = 98.7
CRI/CIE	R_a = 92.5
	R_9 = 66.2



Eaton
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.eaton.com/lighting

Powering Business Worldwide

Specifications and dimensions subject to change without notice.

* Color values are based on 61WDWB reflector, other finishes and field results may vary.

McGraw-Edison

DESCRIPTION

The Galleon™ Wall LED luminaire's appearance is complementary with the Galleon area and site luminaire bringing a modern architectural style to lighting applications. Flexible mounting options accommodate wall surfaces in both an upward and downward configuration. The Galleon family of LED products deliver exceptional performance with patented, high-efficiency AccuLED Optics™, providing uniform and energy conscious lighting for parking lots, building and security lighting applications.

Catalog #		**Type**
Project	The District	EL3
Comments	Main Event Wall Pack	**Date**
Prepared by		

SPECIFICATION FEATURES

Construction
Driver enclosure thermally isolated from optics for optimal thermal performance. Heavy wall aluminum housing die-cast with integral external heat sinks to provide superior structural rigidity and an IP66 rated housing. Overall construction passes a 1.5G vibration test to ensure mechanical integrity. UPLIGHTING: Specify with the UPL option for inverted mount uplight housing with additional protections to maintain IP rating.

Optics
Choice of thirteen patented, high-efficiency AccuLED Optics. The 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 and minimum 70 CRI. Optional 3000K, 5000K and 6000K CCT. Greater than 90% lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 1200mA, 800mA, and 600mA drive currents.

Electrical
LED drivers are mounted for ease of maintenance. 120-277V 50/60Hz, 347V or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Drivers are provided standard with 0-10V dimming. An optional Eaton proprietary surge protection module is available and designed to withstand 10kV of transient line surge. The Galleon Wall 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. Emergency egress options for -20°C ambient environments and occupancy sensor available.

Mounting
Gasketed and zinc plated rigid steel mounting attachment fits directly to 4" j-box or wall with the Galleon Wall "Hook-N-Lock" mechanism for quick installation. Secured with two captive corrosion resistant black oxide coated allen head set screws which are concealed but accessible from bottom of fixture.

Finish
Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult the McGraw-Edison Architectural Colors brochure for the complete selection.

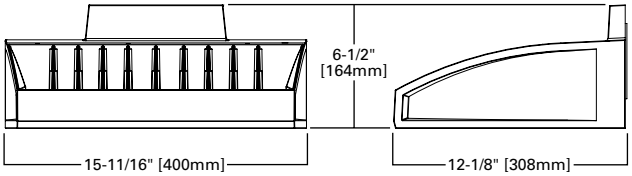
Warranty
Five-year warranty.

GWC GALLEON WALL

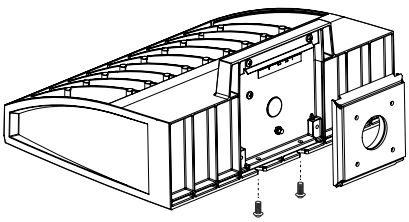
1-2 Light Squares
Solid State LED

WALL MOUNT LUMINAIRE

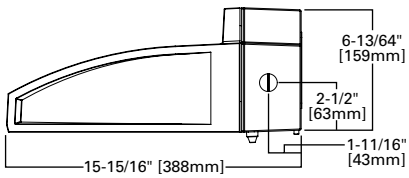
DIMENSIONS



HOOK-N-LOCK MOUNTING



BATTERY BACKUP AND THRU-BRANCH BACK BOX



CERTIFICATION DATA

UL/cUL Listed
LM79 / LM80 Compliant
IP66 Housing
ISO 9001
DesignLights Consortium® Qualified*

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V 50/60Hz
347V, 480V 60Hz
-40°C Min. Temperature
40°C Max. Temperature
50°C Max. Temperature (HA Option)

SHIPPING DATA

Approximate Net Weight:
27 lbs. (12.2 kgs.)

Powering Business Worldwide

*www.designlights.org

POWER AND LUMENS

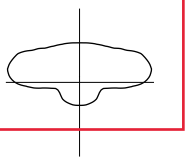
Number of Light Squares		1				2			
Drive Current		600mA	800mA	1.0A	1.2A	600mA	800mA	1.0A	1.2A
Nominal Power (Watts)		34	44	59	67	66	86	113	129
Input Current @ 120V (A)		0.30	0.39	0.51	0.58	0.58	0.77	1.02	1.16
Input Current @ 208V (A)		0.17	0.22	0.29	0.33	0.34	0.44	0.56	0.63
Input Current @ 240V (A)		0.15	0.19	0.26	0.29	0.30	0.38	0.48	0.55
Input Current @ 277V (A)		0.14	0.17	0.23	0.25	0.28	0.36	0.42	0.48
Input Current @ 347V (mA)		0.11	0.15	0.17	0.20	0.19	0.24	0.32	0.39
Input Current @ 480V (mA)		0.08	0.11	0.14	0.15	0.15	0.18	0.24	0.30
Optics									
T2	4000K/5000K Lumens	4,204	5,156	6,381	7,000	8,215	10,075	12,470	13,680
	3000K Lumens	3,975	4,874	6,033	6,618	7,767	9,525	11,790	12,934
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2
T3	4000K/5000K Lumens	4,285	5,256	6,505	7,135	8,375	10,269	12,710	13,943
	3000K Lumens	4,051	4,969	6,150	6,746	7,918	9,710	12,017	13,182
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2
T4FT	4000K/5000K Lumens	4,311	5,286	6,542	7,177	8,422	10,329	12,784	14,024
	3000K Lumens	4,075	4,998	6,185	6,786	7,963	9,766	12,086	13,259
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3
T4W	4000K/5000K Lumens	4,254	5,217	6,458	7,084	8,313	10,195	12,619	13,843
	3000K Lumens	4,023	4,933	6,105	6,698	7,860	9,639	11,931	13,088
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3
SL2	4000K/5000K Lumens	4,196	5,147	6,370	6,988	8,202	10,058	12,449	13,656
	3000K Lumens	3,967	4,866	6,022	6,607	7,755	9,509	11,771	12,911
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3
SL3	4000K/5000K Lumens	4,284	5,255	6,504	7,134	8,374	10,268	12,709	13,941
	3000K Lumens	3,849	4,720	5,842	6,408	7,520	9,224	11,415	12,523
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G3
SL4	4000K/5000K Lumens	4,071	4,992	6,179	6,778	7,954	9,756	12,074	13,246
	3000K Lumens	3,849	4,720	5,842	6,408	7,520	9,224	11,415	12,523
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G3
5NQ	4000K/5000K Lumens	4,420	5,420	6,709	7,358	8,637	10,591	13,108	14,380
	3000K Lumens	4,179	5,124	6,343	6,957	8,166	10,013	12,393	13,595
	BUG Rating	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2
5MQ	4000K/5000K Lumens	4,501	5,520	6,831	7,494	8,795	10,786	13,350	14,644
	3000K Lumens	4,256	5,219	6,458	7,085	8,316	10,198	12,622	13,845
	BUG Rating	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2
5WQ	4000K/5000K Lumens	4,513	5,534	6,849	7,514	8,819	10,815	13,385	14,683
	3000K Lumens	4,268	5,232	6,475	7,104	8,338	10,224	12,656	13,882
	BUG Rating	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2
SLL/SLR	4000K/5000K Lumens	3,765	4,619	5,716	6,270	7,358	9,023	11,167	12,251
	3000K Lumens	3,560	4,367	5,404	5,927	6,957	8,531	10,559	11,583
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G3
RW	4000K/5000K Lumens	4,379	5,370	6,647	7,293	8,558	10,494	12,989	14,250
	3000K Lumens	4,141	5,077	6,285	6,895	8,092	9,922	12,281	13,473
	BUG Rating	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2

* Nominal lumen data for 70 CRI. BUG rating for 4000K/5000K. Refer to IES files for 3000K BUG ratings.

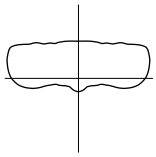
OPTICAL DISTRIBUTIONS

Asymmetric Area Distributions

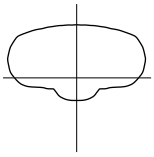
T2
(Type II)



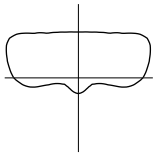
SL2
(Type II with Spill Control)



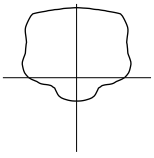
T3
(Type III)



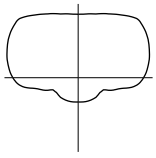
SL3
(Type III with Spill Control)



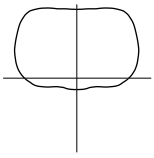
T4FT
(Type IV Forward Throw)



T4W
(Type IV Wide)

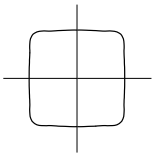


SL4
(Type IV with Spill Control)

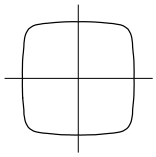


Symmertric Distributions

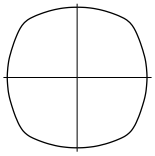
5NQ
(Type V Square Narrow)



5MQ
(Type V Square Medium)

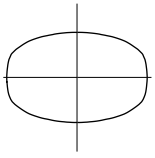


5WQ
(Type V Square Wide)

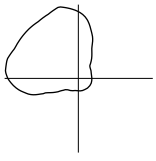


Specialized Distributions

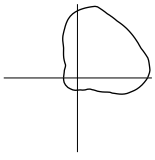
RW
(Rectangular Wide Type I)



SLL
(90° Spill Light Eliminator Left)

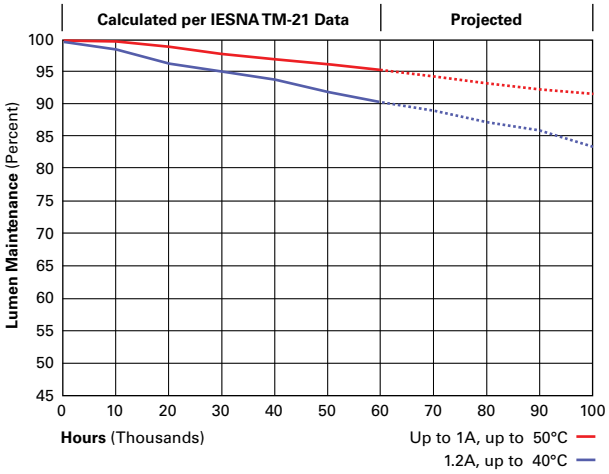


SLR
(90° Spill Light Eliminator Right)



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

CONTROL OPTIONS

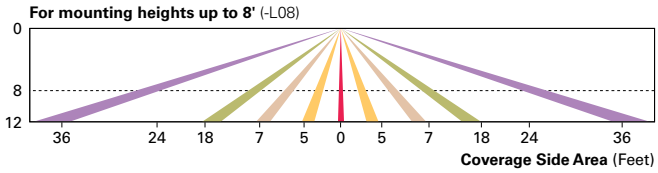
0-10V
This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

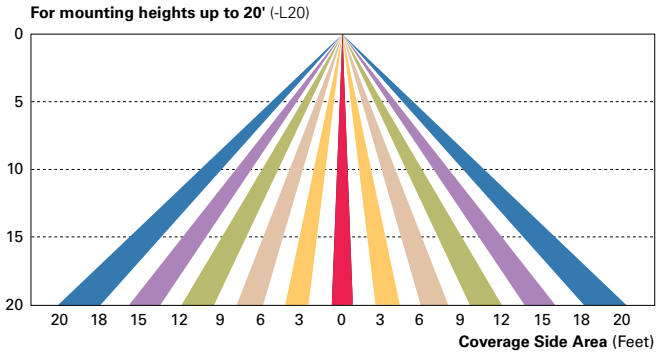
Photocontrol (P, R and PER7)
Optional button-type photocontrol (P) and photocontrol receptacles (R and PER7) provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PER7 receptacle.

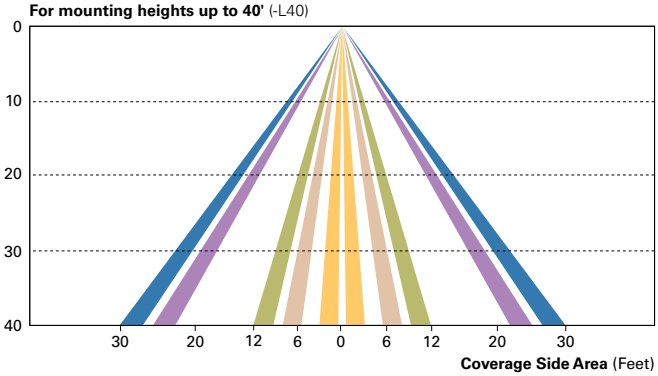
After Hours Dim (AHD)
This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the 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.

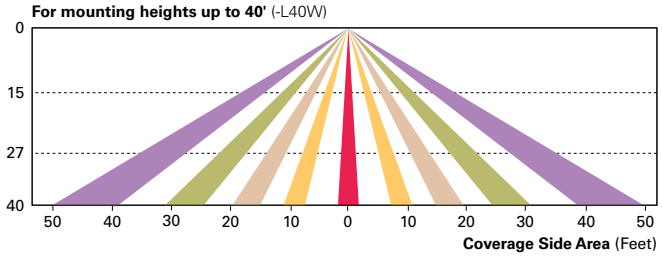
Dimming Occupancy Sensor (MS/DIM-LXX and MS-LXX)
These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, 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'.

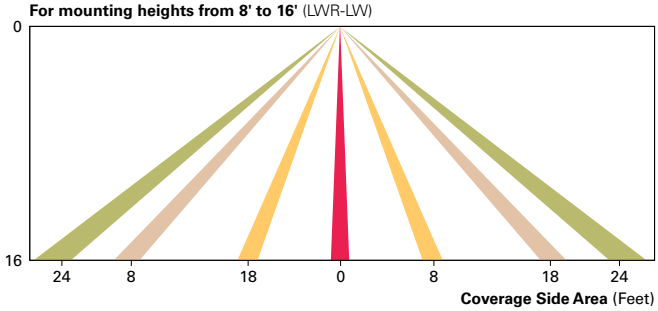


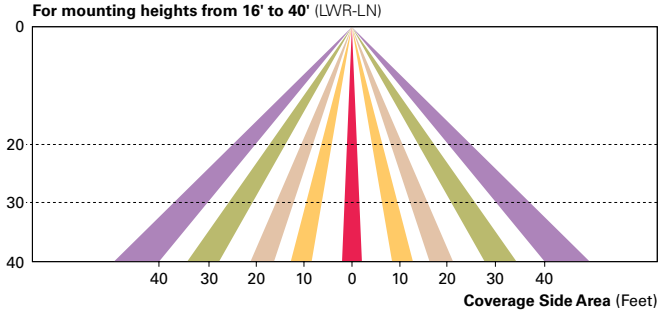






LumaWatt Pro Wireless Control and Monitoring System (LWR-LW and LWR-LN)
The Eaton's LumaWatt Pro powered by Enlighted is a connected lighting solution that combines a broad selection of energy-efficient LED luminaires with a powerful integrated wireless sensor system. The sensor controls the lighting 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.

ORDERING INFORMATION

Sample Number: GWC-AF-02-LED-E1-T3-GM

Product Family [1]	Light Engine	Number of Light Squares [2]	Lamp Type	Voltage	Distribution	Color	Mounting Options
GWC=Galleon Wall	**AF**=1A Drive Current	**01**=1 **02**=2 [3]	**LED**=Solid State Light Emitting Diodes	**E1**=120-277V **347**=347V [4] **480**=480V [4, 5]	**T2**=Type II **T3**=Type III **T4FT**=Type IV Forward Throw **T4W**=Type IV 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 **5NQ**=Type V Square Narrow **5MQ**=Type V Square Medium **5WQ**=Type V Square Wide	**AP**=Grey **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White **CC**=Custom Color [6]	**[BLANK]**=Surface Mount

Options (Add as Suffix)

7027=70 CRI / 2700K [7]
7030=70 CRI / 3000K [7]
8030=80 CRI / 3000K [7]
7050=70 CRI / 5000K [7]
7060=70 CRI / 6000K [7]
600=Drive Current Factory Set to 600mA
800=Drive Current Factory Set to 800mA
1200=Drive Current Factory Set to 1200mA [8]
F=Single Fused (120, 277 or 347V. Must Specify Voltage)
FF=Double Fused (208, 240 or 480V. Must Specify Voltage)
10K=10kV Surge Module
DIM=0-10V Dimming Leads [9, 10]
DALI=DALI Driver [11]
HA=50°C High Ambient [12]
UPL=Uplight Housing [13]
BBB=Battery Pack with Back Box [3,8,14,27]
CWB=Cold Weather Battery Pack with Back Box [3,8,14,27]
P=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage)
R=NEMA Twistlock Photocontrol Receptacle
PER7=NEMA 7-PIN Twistlock Photocontrol Receptacle [15]
AHD145=After Hours Dim, 5 Hours [16]
AHD245=After Hours Dim, 6 Hours [16]
AHD255=After Hours Dim, 7 Hours [16]
AHD355=After Hours Dim, 8 Hours [16]
MS-LXX=Motion Sensor for On/Off Operation [17, 18, 19]
MS/DIM-LXX=Motion Sensor for Dimming Operation [17, 18, 19]
LWR-LW=LumaWatt Wireless Sensor, Wide Lens for 8' - 16' Mounting Height [19, 20, 21]
LWR-LN=LumaWatt Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height [19, 20, 21]
L90=Optics Rotated 90° Left
R90=Optics Rotated 90° Right
MT=Factory Installed Mesh Top
LCF=Light Square Trim Plate Painted to Match Housing [22]
HSS=Factory Installed House Side Shield [23]
CE=CE Marking and Small Terminal Block [24]

Accessories (Order Separately)

OA/RA1013=Photocontrol Shorting Cap
OA/RA1016=NEMA Photocontrol - Multi-Tap 105-285V
OA/RA1201=NEMA Photocontrol - 347V
OA/RA1027=NEMA Photocontrol - 480V
MA1252=10kV Circuit Module Replacement
MA1059XX=Thru-branch Back Box (Must Specify Color)
FSIR-100=Wireless Configuration Tool for Occupancy Sensor [17]
LS/HSS=Field Installed House Side Shield [23, 25]
WOLC-7P-10A=WaveLinx Outdoor Control Module (7-pin) [26]

NOTES:
1. DesignLight Consortium® Qualied. Refer to www.designlights.org Qualified Products List under Family Models for details.
2. Standard 4000K CCT and minimum 70 CRI.
3. Two light squares with BBB or CWB options limited to 25°C, 120-277V only.
4. Requires the use of a step down transformer. Not available in combination with sensor options at 1200mA.
5. 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).
6. Custom colors are available. Setup charges apply. Paint chip samples required. Extended Lead times apply.
7. Extended lead times apply. Use dedicated IES files when performing layouts.
8. Not available with HA option.
9. Cannot be used with other control options.
10. Low voltage control lead brought out 18" outside fixture.
11. Only availble with BBB or CWB in single light square. HA option available for single light square only. Limited to 1A and below.
12. Not available with 1200, UPL, BBB and CWB options. Available for single light square only.
13. Not available with SL2, SL3, SL4, HA, BBB, CWB, R, or PER7 options.
14. Operates a single light square only. Cold weather option operates -20°C to +40°C, standard 0°C to +40°C. Backbox is non-IP rated.
15. Compatible with standard 3-PIN photocontrols, 5-PIN or 7-PIN ANSI controls.
16. 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.
17. 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 Eaton for more information.
18. Replace LXX with the available mounting height options: L08, L20, L40 or L40W are the only choices.
19. Includes integral photosensor.
20. LumaWatt wireless sensors are factory installed requiring network components in appropriate quantities. See www.eaton.com/lighting for LumaWatt application information.
21. Bronze sensor is shipped with Bronze fixtures. White sensor shipped on all other housing color options.
22. Not available with HSS option.
23. Only for use with SL2, SL3 and SL4 distributions. The light square trim plate is painted black when the HSS option is selected.
24. CE is not available with the 1200, DALI, LWR, MS, MS/DIM, P, R or PER7 options. Available in 120-277V only.
25. One required for each light square.
26. Requires 7-pin NEMA twistlock photocontrol receptacle. The WOLC-7 cannot be used in conjunction with additional sensors or controls.
27. Control option limited to P=Button Type Photocontrol (must specify voltage).

KALYPSO IP67 Static White/Tunable White/RGB

LED LINEAR™ lighting solutions | Member of the Fagerhult Group

24V, IP67 protected and IK10 certified, linear surface-mounted LED luminaire with small form factor. Polyurethane encapsulation offering a premium water proof sealing, UV resistance, chemical stability and protection against abrasion. Extruded H-shaped aluminum body powder coated in white with cable runway on the back. Delivered with male/female mini IP67 connectors and translucent end caps for a perfect light continuity. Allows the use of 3 linear lenses (15°, 30° or 60°) integrated in the encapsulation material. Ideal solution for wall grazing (10°) or wide flood illumination (30° and 60°) with precise light control for outdoor or humid environments. Light source assembled using Reel to Reel (R2R) production process supporting LED Linear™ Tj Away® thin flexible circuit board technology. Outstanding lifetime of >60,000hrs L80/B10 (>30,000 hrs RGB). Embeds high quality japanese LEDs with 3 step MacAdams (SDCM3) binning centered on target CCT (One Bin Only) with an extended photometric code of Wxxx/339 ensuring exceptional color consistency over the rated lifetime. Premium color rendition with CRI up to 95 and TM-30-15 up to R_f = 91 / R_g = 101. Consistent light intensity all along the luminaire length. Fully PWM dimmable. Engineered and produced in Germany.

The District
Project name

EL4 - Main Event
Fixture type

Linear Grazer
Phase

Specifier

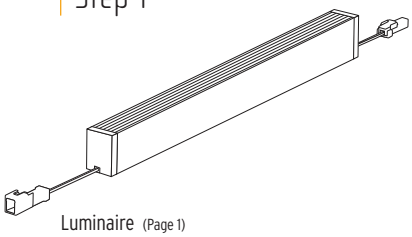
Date

Static White | Tunable White | RGB | Intertek ETL Listed

True Color	Integrated Circuit Driver	Reel-to-Reel R2R Production	TjAway® Thermal Management	One Bin Only	L/B Lifetime	6 Digit Photometric Code	IES LM79	IES LM80
No Color Shift	Up to 1090 lm/ft 99 lm/W Constant Light Output	High Quality Solder Free Reels	Exceptional Thermal Dissipation	3 MacAdam up to 95 CRI	L80/B10 >60,000 hrs /RGB >30,000 hrs	Wxxx/339	LM79 Compliant	LM80 Compliant

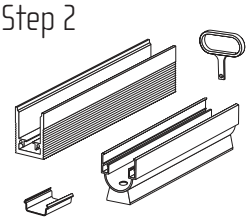
Ordering Process

Step 1



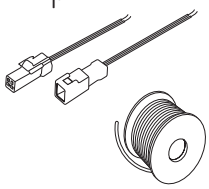
Luminaire (Page 1)

Step 2



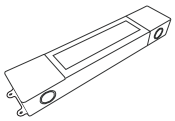
Mounting Accessories (Page 4)

Step 3



Cables and Connectors (Page 5)

Step 4



Drivers and Controllers (Page 6)

Luminaire Order Code

Family	Model	Lumen package[A]	Color rendering	Color temperature		Standard length[C]	Optic	Ingress
KALYPSO TC	_ _ _ _ _	_ _ _ _	W_	_ _		_ _ _ _	_ _	IP67
	HYDRA - Static White	HD06–170 lm/ft	W8–80CRI	20–2000K	30–3000K	639–2 ft	10–10° Optic	
		HD10–290 lm/ft	W9–90CRI[B]	22–2200K	35–3500K	952–3 ft	30–30° Optic	
		HD15–460 lm/ft		25–2500K	40–4000K	1264–4 ft	60–60° Optic	
		HD25–750 lm/ft		27–2700K	50–5000K	1514–5 ft		
		HD36–1090 lm/ft				1827–6 ft		
	IQW ATON - Tunable White	HD12–210 lm/ft	–	–				
	(2200K - 4000K)	HD24–440 lm/ft	–	–				
	RGB - 622nm (R) 532nm (G) 466nm (B)	HD20–210 lm/ft	–	–				

[A] Lumen Values represent 5000K (W850) and with 60° optic

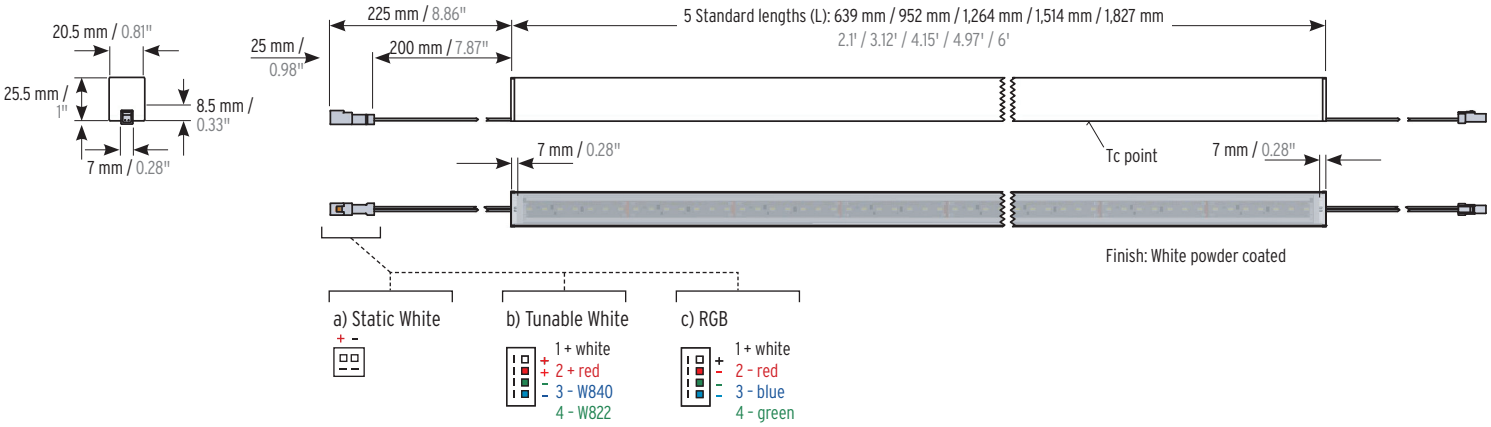
[B] Only available with HD06 and HD10 lumen packages with 2700K, 3000K, 3500K and 4000K

[C] Values represent nominal lengths. For exact lengths, see mechanical details on page 2

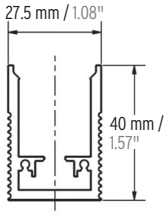
			HD6		HD10		HD15		HD25		HD36	
		Color temperature[A]	Lumen/ft	W/ft[B]	Lumen/ft	W/ft[B]	Lumen/ft	W/ft[B]	Lumen/ft	W/ft[B]	Lumen/ft	W/ft[B]
Static White	W820	2,000 K	100	1.5	167	3.0	264	4.6	432	7.6	630	11
	W822	2,200 K	112	1.5	188	3.0	304	4.6	493	7.6	721	11
	W825	2,500 K	130	1.5	215	3.0	346	4.6	563	7.6	825	11
	W827/W927	2,700 K	115	1.5	194	3.0	368	4.6	599	7.6	874	11
	W830/W930	3,000 K	118	1.5	197	3.0	389	4.6	636	7.6	929	11
	W835/W935	3,500 K	121	1.5	203	3.0	410	4.6	667	7.6	974	11
	W840/W940	4,000 K	124	1.5	206	3.0	420	4.6	682	7.6	996	11
	W850	5,000 K	170	1.5	290	3.0	460	4.6	750	7.6	1,090	11

[A] CCT Tolerances occur in IP67 products due to the encapsulation of the fixture.
[B] The given data are typical values. Due to tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%.

Mechanical Details

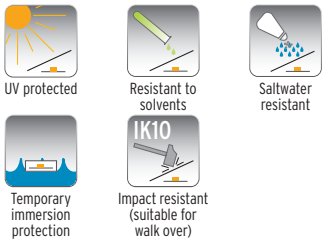


Inground Channel (Accessory)



Mounting

Easy and clean installation due to internal mounting clips. ADONIS / KALYPSO housing also acts as cable raceway. Therefore you do not see any clips or cables from the outside.



Technical Details

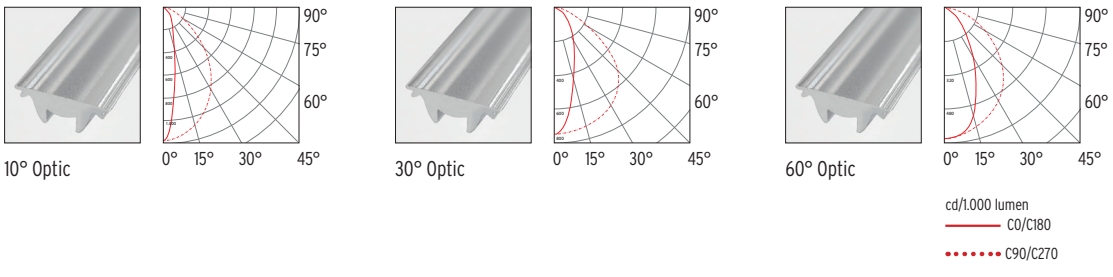
	Static White	Tunable White	RGB
Voltage	24 Volt (23 V_{min}, 25 V_{max})	24 Volt (23 V_{min}, 25 V_{max})	24 Volt (23 V_{min}, 25 V_{max})
Case temperature[A]	Tc_{min} = -13°F, Tc_{max} = specific, see Table below	Tc_{min} = -13°F, Tc_{max} = 158°F	Tc_{min} = -13°F, Tc_{max} = 158°F
Storage temperature	Ts_{min} = -22°F, Ts_{max} = 185°F	Ts_{min} = -22°F, Ts_{max} = 185°F	Ts_{min} = -22°F, Ts_{max} = 185°F
Ambient temperature	Ta_{min} = -13°F, Ta_{max} = specific, see Table below	Ta_{min} = -13°F, Ta_{max} = specific, see Table below	Ta_{min} = -13°F, Ta_{max} = specific, see Table below

[A] The position of the Tc-point is marked on each step of the LED strip. The Tc-point should be measured in thermal equilibrium according to IEC EN 60598-1.

	Static White					Tunable White		RGB
	HD6	HD10	HD15	HD25	HD36	HD12	HD24	HD20
Power (W/ft)[B]	1.8	3.0	4.6	7.6	11	3.7	7.3	6.7
Efficacy (lm / W)[B] @ W850	94	94	99	97	98	58	60	35
CRI / R9 @ 3000 K	95 / 80	95 / 80	85 / 30	85 / 30	85 / 30	85 / 20	85 / 20	–
Max serial run length (ft / m)	16.4 / 5	16.4 / 5	13.1 / 4	9.8 / 3	6.6 / 2	16.4 / 5	13.1 / 4	13.1 / 4
Case temperature Tc-point (Tc_{max})[B]	158°F	158°F	158°F	167°F	185°F	158°F	158°F	158°F
Max ambient temperature (Ta_{max})	122°F	122°F	122°F	113°F	95°F	122°F	104°F	113°F

[B] The given data are typical values. Due to tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%.

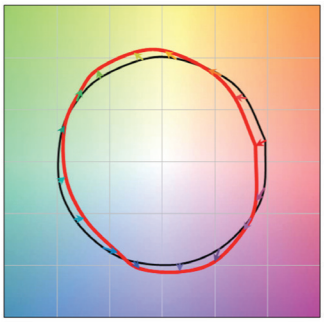
Light Distribution



Colorimetric Details – HYDRA Static White CRI80+

Photometric Code	CCT	CRI	R9	R_f	R_g
W830/339	3000 K	85	23	82	99

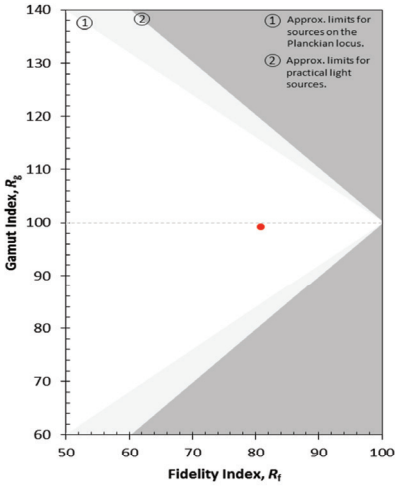
Color Vector Graphic

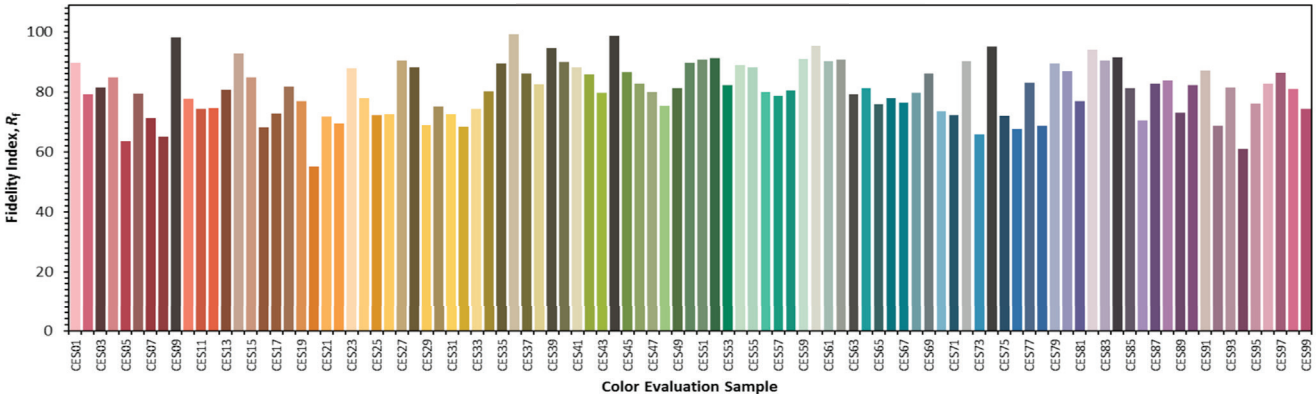


Reference Illuminant

Test Source

Color Distortion Graphic

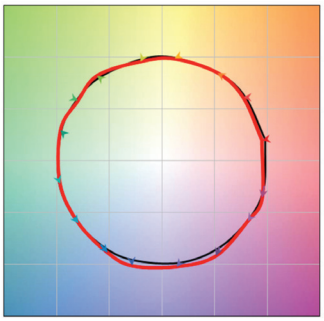




Colorimetric Details – HYDRA Static White CRI90+

Photometric Code	CCT	CRI	R9	R_f	R_g
W930/339	3000 K	96	70	91	101

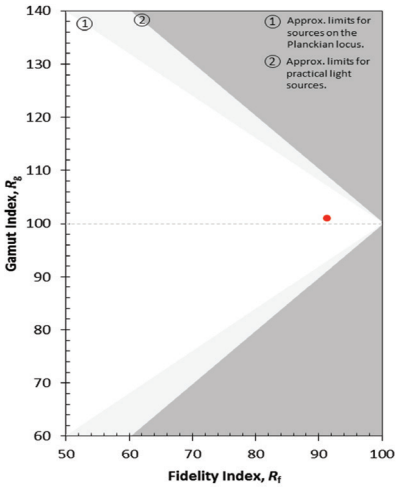
Color Vector Graphic

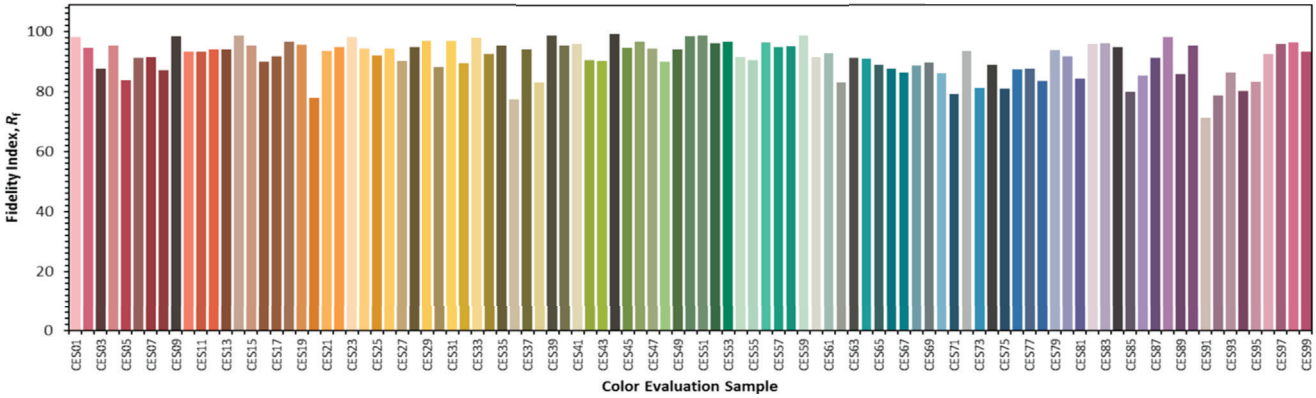


Reference Illuminant

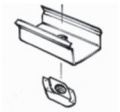
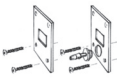
Test Source

Color Distortion Graphic





Mounting Accessories

	Item	Description	Dimensions (L x W x H)	Order Code
	Adonis/Kalypso IP67 Surface Mounting Bracket	Stainless steel surface mounting clip with washer. Clips inside the the fixture profile for invisible look. Recommended to use every 2 feet.	1" x 3/4" x 3/8"	13100202
	Adonis/Kalypso IP67 Vertical Surface Mounting Block	Metal mounting block with set screw for vertical applications. Install inside the the fixture profile to stop the fixture from sliding. Recommended to use every 2 feet together with a surface mounting bracket.	1" x 1/2" x 1/4"	13000287
	Adonis/Kalypso IP67 Adjustable Mounting Bracket	Aluminum adjustable surface mounting bracket. Tilts 45° in each direction with spring loaded mechanism. Recommended to use every 2 feet. Silver finish.	5-1/2" x 1" x 1-1/2"	13000265
	Adonis/Kalypso IP67 Wallmount Arm Kit	Metal surface mounting adjustable wall arm. The set includes mounting block, mounting clip and adjusting screws. Tilts 140° in each direction and screw locks in position. Recommended to use for every 3 feet. Silver finish.	4-3/4" x 2-3/4" x 1"	13000165
	Adonis/Kalypso IP67 Inground Mounting Kit	Aluminum mounting channel with styrofoam dummy for inground installations. Use for indoor and protected outdoor environments. 6.5 feet long.	6' 6" x 1" x 1.5"	10000576 RAL9003-FS
	Adonis/Kalypso IP67 Inground Channel Mounting Bracket	Stainless steel mounting clip with mounting block and set screw. Required to install the fixture inside the inground channel. Recommended to use every 2 feet.	1" x 3/4" x 3/8"	13000288
	Adonis/Kalypso IP67 Inground Channel End Cap	Metal endcaps with screws and rubber gasket. Required to cover the ends of the inground channel before installation. Available with or without drainage outlet.	Without Drainage With Drainage	11000231 11000232
	Adonis/Kalypso IP67 Disassembly Tool	Use to take the fixture out of the inground mounting frame.	–	13100032

Cables and Connectors

	Item	Description	Model	Dimensions	Order Code
	Cable IP68 for Static White	Outdoor rated UL approved cable. Use to extend installation distance with outdoor rated splicing box (by others).	Static White	2 x 22 AWG, 160 ft	14000030
	Mini Female Connector IP67 for Static White	Use to run cable from the driver to the first fixture of the run or to the next fixture. Female mini connector on one side and open end cable on the other side.	Static White Static White	2 x 22 Awg, 8 in 2 x 22 Awg, 6.5 ft	15000141 15000142
	Mini Male Connector IP67 for Static White	Use to run cable from the fixture to the driver or to the previous fixture. Male mini connector on one side and open end cable on the other side.	Static White	2 x 22 Awg, 8 in	15000140
	Mini Extension IP67 for Static White	Use to extend the distance between connection points. Female connector on one side and male connector on the other side.	Static White Static White	2 x 22 Awg, 4 in 2 x 22 Awg, 6.5 ft	15000143 15000144
	Mini Female Protection Cap IP67 for Static White	Use to seal unused connectors and maintain IP67 ingress protection.	Static White	—	15000218
	Cable IP68 for RGB and Tunable White	Outdoor rated UL approved cable. Use to extend installation distance with outdoor rated splicing box (by others).	RGB / Tunable White RGB / Tunable White	4 x 23 Awg, 160 ft 4 x 18 Awg, 160 ft	14000048 14000060
	Mini Female Connector IP67 for RGB and Tunable White	Use to run cable from the driver to the first fixture of the run or to the next fixture. Female mini connector on one side and open end cable on the other side.	RGB Tunable White RGB / Tunable White	4 x 23 Awg, 8 in 4 x 23 Awg, 8 in 4 x 23 Awg, 6.5 ft	15000201 15000241 15000202
	Mini Male Connector IP67 for RGB and Tunable White	Use to run cable from the fixture to the driver or to the previous fixture. Male mini connector on one side and open end cable on the other side.	RGB Tunable White	4 x 23 Awg, 8 in 4 x 23 Awg, 8 in	15000200 15000240
	Mini Extension IP67 for RGB and Tunable White	Use to extend the distance between connection points. Female connector on one side and male connector on the other side.	Static White Static White	4 x 23 Awg, 4 in 4 x 23 Awg 6.5 ft	15000203 15000204
	Mini Female Protection Cap IP67 for RGB and Tunable White	Use to seal unused connectors and maintain IP67 ingress protection.	RGB / Tunable White	—	15000219

Drivers

Item		Specifications	Downloads
LED LINEAR™ Non-Dimmable Drivers		• UL 8750 Listed Enclosure - With Built-In Junction Boxes • Universal Input Voltage 120V - 277V • IP65 - For Both Indoor and Outdoor Use • No Minimum Load Requirement • 24V Constant Voltage Output, Class 2 • Available in three wattages 30W, 60W and 96W • Max. Dimensions: 12-1/8" x 2-3/8" x 1-3/8"	30 W SPEC SHEET 60 W SPEC SHEET 96 W SPEC SHEET INSTALLATION INSTRUCTIONS
LED LINEAR™ 0-10V Dimmable Drivers		• UL 8750 Listed Enclosure - With Built-In Junction Boxes • 0-10V Dimmable - Flicker Free Down to 1% • Universal Input Voltage 120V - 277V • IP65 - For Both Indoor and Outdoor Use • 24V Constant Voltage Output, Class 2, Class P • Available in three wattages 30W, 60W and 96W • Max. Dimensions: 12-1/8" x 2-3/8" x 1-3/8"	30 W SPEC SHEET 60 W SPEC SHEET 96 W SPEC SHEET INSTALLATION INSTRUCTIONS
LED LINEAR™ ELV/Triac Dimmable Drivers		• UL 8750 Listed Class 2 Enclosure • 24V constant voltage output • Compact size yet high efficiency and performance in dry and damp environments (IP67) • Multiple Inputs: 120V or 277V • Fully dimmable: ELV Dimmers - Reverse or Adaptive Phase Control, Trailing Edge • Available in two wattages 48W and 96W • Multiple Circuits are available up to 4 units (up to 384W)	48 W SPEC SHEET 96 W SPEC SHEET INSTALLATION INSTRUCTIONS
MEAN WELL PWM Dimmable Drivers		• Universal AC input / Full range (up to 305VAC) • Constant voltage PWM style output • Built-in 3 in 1 dimming function (0~10Vdc or PWM signal or resistance) • Dimming range : 0~100% • Class 2 power unit • Suitable for dry / damp / wet locations • UL Recognized component, 5 years warranty	40 W SPEC SHEET 60 W SPEC SHEET 90 W SPEC SHEET INSTALLATION INSTRUCTIONS
LUTRON Dimmable Drivers		• UL Listed Enclosure • Dimming Range: 100% to 1% and 0.1% (Premiere) • LED lighting turns on to any dimmed level without flashing to full brightness • Operating Voltage: 120V~ to 277V~ at 50/60 Hz • Rated lifetime of 50,000 hours at 40°C (104°F) ambient temperature and maximum loading • For rated warranty, ambient temperature not to exceed 40°C (104°F) • Open-circuit protected output	HI-LUME SPEC SHEET HI-LUME PREMIERE SPEC SHEET INSTALLATION INSTRUCTIONS
eldoLED DALI/DMX Dimmable Drivers		• Available in linear or rectangular format • 100W, DMX/DALI interface • 4 control channels • 24V constant voltage, 4 x 24V outputs • Metal or plastic case options	100 W SPEC SHEET INSTALLATION INSTRUCTIONS

Controllers

Item		Specifications	Downloads
eldoLED Controllers	  	**180/D** DMX Controller for RGB and Tunable White Applications **210/D** Dali Contoller for Static White, RGB and Tunable White Aplications **211/D-LG** 0-10V Logarithmic Dimming Controller **211/D-LN** 0-10V Linear Dimming Controller **212/D** DMX Controller for Static White and Static Color Applications **DimWheel** DMX Wall Controller for RGB and Tunable White Applications	180/D SPEC SHEET 210/D SPEC SHEET 211/D-LG SPEC SHEET 211/D-LN SPEC SHEET 212/D SPEC SHEET DIM WHEEL SPEC SHEET

Click for more information

PRODUCT BROCHURE | INSTALLATION | IES FILES | DRIVERS & CONTROLS | LED LINEAR TECHNOLOGY

ETC130-GB LED

611-3021

The District - Music Venue
Ingrade Uplight - Type F1

Description

IP67. Inground LED uplight. Suitable for flush installation in concrete or earth. Drive Over Rated. Offset gimbal mounted lamp module, with lockable aiming, 30° vertical tilt, and 360° horizontal rotation. Special effects can be realized with linear lens, flood lens, or color filters.

Beam Type	symmetric, medium beam [M]
Light Source	LED-12/18W / 500 mA - 4000 K
CRI	80
Gear Type	electronic gear

Nominal Luminous Flux (lm)	
LED Lumens	184.8 lm
LEDs	12
Total Lumens	2217 lm
Tj	85 °C

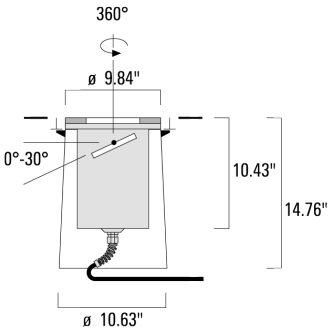
Delivered Lumens Flux (lm)	
LED Lumens	160.3 lm
Total Lumens	1923.7 lm
Ta	25 °C

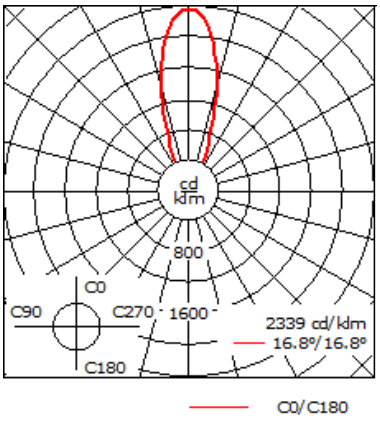
Rated Input Power	21 W

WE-EF LIGHTING USA LLC
410-D Keystone Drive | Warrendale PA 15086 | U.S.A. | Tel +1 724 742 0030 | Fax +1 724 742 0035 | info.usa@we-ef.com | www.we-ef.com | 24-07-2019 05:04

ETC130-GB LED

611-3021





Material Specification

Body:	Luminaire body constructed of deep drawn stainless steel. Outer housing composite material.
Weight (lbs):	18.20
Lens:	5/8" thick clear tempered glass lens. Max. load 5000kg/11,000 lbs.
Colours:	Stainless Steel
Quick Ship	Quickship features a one week ship time for Steplights and two week ship time for the rest of our Core products. All applicable information must be included for orders to be processed and colours must be in one of our 4 standard finishes. A maximum order quantity of 30 pieces applies.
Gasket:	Silicone rubber gasket
Fasteners:	PCS polymer coated stainless steel
Ingress protection:	IP67
Impact protection:	IK10+
Corrosion protection:	5CE
Mounting:	Suitable for installation in concrete or earth. Suitable for walk-over and DRIVE-OVER applications. Proper drainage and foundation support must be provided.
Listings:	ETL listed. Suitable for wet locations.

Electrical Specification

Power supply:	Integral [ECG] LED driver in 120 or 277 volt. Specify voltage.
Power factor:	> 0.9
Driver / Ballast:	Integral EC electronic converter
Termination:	Factory sealed termination chamber
Cable:	3 feet of flexible 18/3 cable

ETC130-GB LED

611-3021

Lifetime

LED >60,000 h Ta 25°C (L70/B10) Control gear >50,000 h Ta 25°C

Dimming

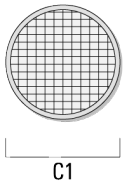
0-10V available in request. Must be factory fitted.

Optical Accessories

Flood lens

Broadens light distribution in all planes. Does not fit in combination with [W] lens.

	C1
611-8037 IO-360-ETC130-GB-LED	3.86



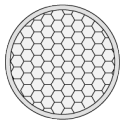
Honeycomb louvre

Honeycomb louvre, matt black Teflon® coated. For luminaires equipped with [M] [VN] and [VNS] light distribution.

ETC130-GB LED

611-3021

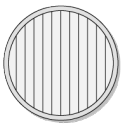
	C1
611-7218 IW-ETC130/330-GB-LED	3.86



Linear spread lens

Broadens light distribution in one plane only. Does not fit in combination with [W] lens.

	C1
611-8038 IO-180 ETC130/330-GB LED	3.94



Electrical Accessories

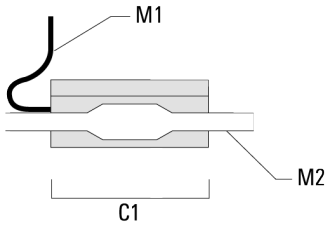
Sealable junction box

SJB sealable junction box, for inground mains connection. Provided with 3 UL4860 connectors

ETC130-GB LED

611-3021

	C1	M1	M2
697-8072 Sealable junction box SJB 130	5.75	Ø 0.39	Ø 0.47 - 0.75



Lumark

DESCRIPTION

Combining value and performance in a compact, robust design, the Night Falcon low wattage LED floodlight luminaire delivers superior uniformity and excellent illumination to the targeted application. The rugged, die-cast housing is IP66 rated for exceptional durability and long term reliability. Available in several mounting configurations and weighing less than 14 pounds, this fixture provides you with design flexibility while simplifying installation. The low wattage LED floodlight can be wall, ground, or pole mounted, making it ideal for all commercial, industrial, and residential low wattage floodlighting applications.

Catalog #		**Type**
Project	The District	F2
Comments	Music Venue Uplight	**Date**
Prepared by		

SPECIFICATION FEATURES

Construction
Heavy-duty, die-cast aluminum housing, driver compartment and driver housing door. The housing, driver compartment and optical chamber are IP66 rated. Access to the driver for maintenance is achieved with a removable driver door using pan head screws. A one-piece silicone gasket seals the door to the fixture housing. Suitable for mounting within 4' (1.2m) of the ground.

Optics
The LED chamber incorporates a vacuum metalized reflector that provides high-efficiency illumination. Optics are precisely designed to shape the wide NEMA type 6H x 6V distribution, maximizing efficiency and application spacing. A 3H x 3V distribution is available for lighting tall, narrow surfaces. Clear glass tempered lens with full circumference form-in-place silicone gasket protects the optics from damage. Offered standard in 4000K (+/- 275K) CCT and minimum 70 CRI optional. Optional 5700K CCT, 3000K CCT, 5000K CCT minimum 70 CRI are available.

Electrical
LED driver is mounted to the removable die-cast aluminum door for optimal heat sinking and ease of maintenance. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. Integral 3kV surge is standard. 10kV MOV surge protection is available. 0-10V dimming driver is standard. Button photocontrols are available in 120V and 208-277V. Suitable for ambient temperatures from -40°C to 40°C. Optional 50°C HA (high ambient) available. 93% lumen maintenance greater than 50,000 hours per IESNA TM-21.

Accessories
Heavy-duty steel top and side visors control glare and spill light. 1/8" thick UV stabilized vandal guard shields glass lens from impact when mounted at low levels. Easy to install wire guard features a heavy-gauge welded construction with corrosion resistant polyester powder coat finish to protect glass from projected objects.

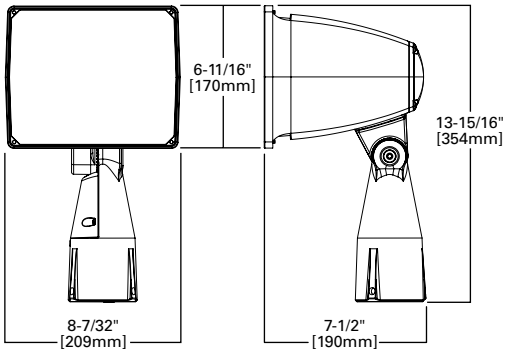
Mounting
Heavy-gauge steel trunnion-mount utilizes interlocking slide adjustment and is supplied with 3 feet of pre-wired SOW, wet location rated cord. Trunnion base can be lag bolted to any surface and is 3G vibration rated (ANSI C136.31). Heavy-duty, die-cast aluminum knuckle base utilizes tooth-lock adjustment with visual 5° adjustment indicators that allow for 180° rotation of the luminaire. Knuckle fits 1/2" NPT available mounting junction box cover (supplied by others) and is secured with supplied locking nut and is 1.5G vibration rated. A die-cast aluminum slipfitter with a tooth lock adjustment that can be adjusted in 5° increments is available and is 1.5G vibration rated.

Finish
Housing and cast parts finished in five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard color is carbon bronze. Additional colors available in summit white, white, grey, bronze, black, dark platinum and graphite metallic. Consult your lighting representitive at Eaton for a complete selection of standard colors.

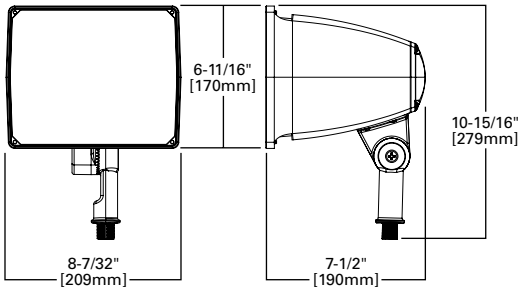
Warranty
Five-year warranty.

DIMENSIONS

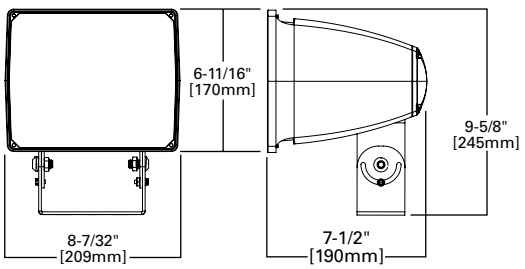
Slipfitter Mount



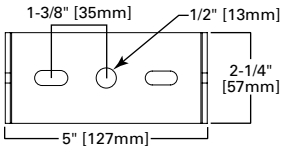
Knuckle Mount



Trunnion Mount



TRUNNION DRILLING PATTERN



Powering Business Worldwide

*www.designlights.org

NFFLD-S
NIGHT FALCON SMALL

Solid State LED

FLOODLIGHT

CERTIFICATION DATA
UL/cUL Wet Location Listed
IP66 Fixture and Optical Chamber
LM79/LM80 Compliant
1.5G Vibration Rated - Knuckle Mount
3.0G Vibration Rated - Slipfitter Mount
3.0G Vibration Rated - Trunnion Mount
RoHS Compliant
DesignLights Consortium® Qualified*

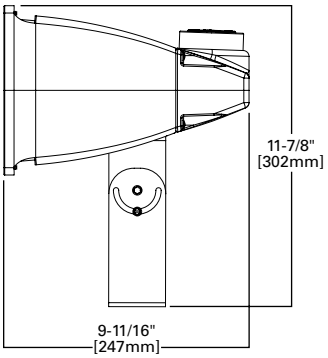
ENERGY DATA
Electronic LED Driver
> 0.9 Power Factor
< 20% Total Harmonic Distortion
120V 50/60Hz, 347V/60Hz and 480V/60Hz
-40°C Min. Ambient Temperature Rating
+40°C Max. Ambient Temperature Rating

EPA
Effective Projected Area (Sq. Ft.): 0.55

SHIPPING DATA
Approximate Net Weight:
13 lbs. (6 kgs.)

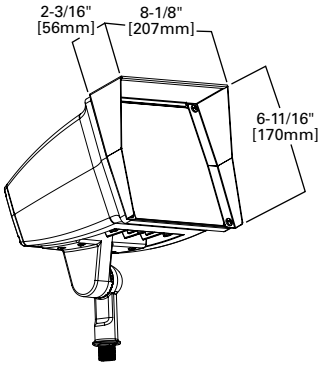
OPTION

NEMA Twistlock Photocontrol Receptacle

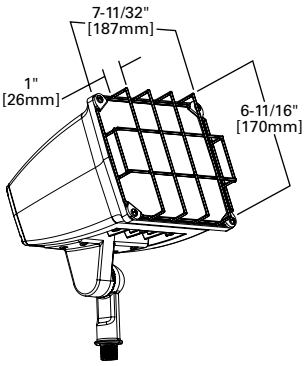


ACCESSORIES

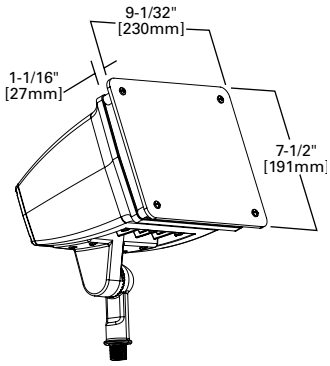
Top and Side Visors



Wire Guard



Vandal Shield



POWER AND LUMENS

	6 x 6				3 x 3			
C70 LED	**NFFLD-S-C70**	**NFFLD-S-C70-7060**	**NFFLD-S-C70-7050**	**NFFLD-S-C70-7030**	**NFFLD-S-C70**	**NFFLD-S-C70-7060**	**NFFLD-S-C70-7050**	**NFFLD-S-C70-7030**
Delivered Lumens	2,682	2,656	2,760	2,632	2,883	2,824	2,935	2,799
CCT (Kelvin)	4000K	5700K	5000K	3000K	4000K	5700K	5000K	3000K
CRI (Color Rendering Index)	70	70	70	70	70	70	70	70
NEMA Distribution (H x V)	6H x 6V	6H x 6V	6H x 6V	6H x 6V	3H x 3V	3H x 3V	3H x 3V	3H x 3V
Power Consumption (Watts)	20	20	20	20	26	26	26	26
C15 LED	**NFFLD-S-C15**	**NFFLD-S-C15-7060**	**NFFLD-S-C15-7050**	**NFFLD-S-C15-7030**	**NFFLD-S-C15**	**NFFLD-S-C15-7060**	**NFFLD-S-C15-7050**	**NFFLD-S-C15-7030**
Delivered Lumens	5,797	5,741	6,066	5,785	5,499	5,386	5,596	5,337
CCT (Kelvin)	4000K	5700K	5000K	3000K	4000K	5700K	5000K	3000K
CRI (Color Rendering Index)	70	70	70	70	70	70	70	70
NEMA Distribution (H x V)	6H x 6V	6H x 6V	6H x 6V	6H x 6V	3H x 3V	3H x 3V	3H x 3V	3H x 3V
Power Consumption (Watts)	51	51	51	51	52	52	52	52

LUMEN MAINTENANCE

Ambient Temperature	**TM-21 Lumen Maintenance** (50,000 Hours)	**Theoretical L70** (Hours)
NFFLD-S-C15-33 (3 x 3 Spot)		
25°C	> 94.74%	> 336,000
40°C	> 93.37%	> 264,000
NFFLD-S-C15-66 (6 x 6 Wide)		
25°C	> 95.53%	> 399,000
40°C	> 95.10%	> 362,000
50°C	> 94.60%	> 324,000

CURRENT DRAW

Voltage (V)	**6 x 6**		**3 x 3**	
	NFFLD-S-C70	**NFFLD-S-C15**	**NFFLD-S-C70**	**NFFLD-S-C15**
	Current (A)	**Current (A)**	**Current (A)**	**Current (A)**
120V	0.15	0.45	0.21	0.46
208V	0.09	0.25	0.13	0.26
240V	0.08	0.22	0.11	0.23
277V	0.07	0.19	0.10	0.20
347V	0.06	0.16	0.10	0.21
480V	0.05	0.13	0.07	0.22

LUMEN MULTIPLIER

Ambient Temperature	**Lumen Multiplier**
10°C	1.03
15°C	1.02
25°C	1.00
40°C	0.97
50°C	0.96

CONTROL OPTIONS

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

Photocontrol (PER and PER7)
Photocontrol receptacles (PER 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.

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.

ORDERING INFORMATION

Sample Number: NFFLD-S-C15-D-UNV-66-S-CB-PC1

Product Family [1]	Light Engine [2]	Driver [3]	Voltage	Distribution	Mounting	Color
NFFLD-S=Night Falcon Small	**C70**=2,700 Nominal Lumens **C15**=5,900 Nominal Lumens	**D**=Dimming (0-10V)	**UNV**=Universal 120-277V **347**=347V [4] **480**=480V [3,5]	**33**=NEMA 3H x 3V [6] **66**=NEMA 6H x 6V Wide	**S**=Slipfitter [7] **T**=Trunnion **KNC**=Knuckle	**CB**=Carbon Bronze (Standard) **BK**=Black **BZ**=Bronze **AP**=Grey **WH**=White **WHT**=Summit White **DP**=Dark Platinum **GM**=Graphite Metallic

Options (Add as Suffix)	**Accessories** (Order Separately) [13]
7030=70 CRI / 3000K [8] **7050**=70 CRI / 5000K [8] **7060**=70 CRI / 5700K [8] **10MSP**=10kV MOV Surge Protection **HA**=50°C High Ambient Temperature [9] **PC1**=Button Type Photocontrol - 120V [10] **PC2**=Button Type Photocontrol - 208-277V [10] **PER**= 3-PIN Twistlock Photocontrol Receptacle [11] **PER7**=7-PIN Twistlock Photocontrol Receptacle [11,12]	**RAB-XX**=Right Angle Pipe Bracket for Slipfitter **SAB-XX**=Steel Angle Bracket for Trunnion **TS2LW-NFFLD-XX**=Top and Side Visors [14] **VSLW-NFFLD**=Vandal Shield [14] **WGLW-NFFLD**=Wire Guard [14] **WOLC-7P-10A**=WaveLinx Outdoor Control Module (7-pin) [15]

NOTES:
1. DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details.
2. Standard 4000K CCT and minimum 70 CRI. Consult IES file for actual lumen output.
3. Consult factory for driver surge protection values.
4. 347V only available with PC2.
5. 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).
6. Nominal lumen values are lower for the spot optic distribution see lumen table.
7. Fits 2-3/8" O.D. tenon, wire leads runs through bottom of slipfitter.
8. Extended lead times apply. Use dedicated IES files for 3000K, 5000K and 5700K when performing layouts. These files are published on the Night Falcon Small luminaire product page on the website.
9. HA option not available with 3x3 configurations.
10. Cannot order button photocontrol with C15 lumen package and 480V (PC1 or PC2).
11. Requires extended back box.
12. Require 0-10V dimming driver.
13. Replace XX with color designation. Additional brackets and adaptors available on the poles product page on the website.
14. Cannot combine TS2LW (Top and Side Visor), VSLW (Vandal Shield), or WGLW (Wire Guard), limited to one external guard per fixture.
15. Requires 7-pin NEMA twistlock photocontrol receptacle.

STOCK ORDERING INFORMATION

Stock Sample Number: NFFLD-S-C15-T-UNV

Series	Light Engine	Mounting	Voltage	Options (Add as Suffix)
NFFLD-S=Night Falcon Small	**C70**=2,700 Nominal Lumens **C15**=5,900 Nominal Lumens	**T**=Trunnion **KNC**=Knuckle	**UNV**=Universal 120-277V **347**=347V	**PC1**=Button Type Photocontrol - 120V **PC2**=Button Photocontrol - 207-277V

NOTES: Options not available with stock products. Order accessories as separate items for field installation. Refer to standard ordering information to add options. Refer to In-Stock Guide for availability. Stock fixture is 4000K, dimming, 6x6 distribution, 120-277V or 347V, carbon bronze only. 347V only available with PC2.

McGraw-Edison

DESCRIPTION

The Ventus™ LED area luminaire provides uncompromising optical performance and outstanding versatility for a wide variety of area and roadway applications. Patent pending modular LightBAR™ technology delivers uniform and energy conscious illumination to walkways, parking lots, roadways, building areas and any security lighting application. UL/cUL Listed for wet locations.

		Type
Catalog #		S1-S3
Project	The District	
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction
Die-cast aluminum frame secures thermally conductive, extruded aluminum heat sink to independent electrical chamber. Heavy-wall, die-cast aluminum housing and door isolates driver components for cooler operation. The unique construction allows for passive cooling and natural cleaning of the extruded heat sink ensuring reliable operation at 40°C high ambient conditions. Stainless steel fasteners and hinging allow access to electrical components for installation and maintenance. Optional tool-less hardware available for ease of entry into electrical chamber.

Optics
Choice of twelve patented, high-efficiency AccuLED Optics™ distributions. Optics are precisely designed to shape the light output, maximizing efficiency and application spacing. AccuLED Optics technology creates consistent distributions with the scalability to meet customized application requirements. Offered Standard in 4000K (+/- 275K) CCT and minimum 70 CRI. Optional 3000K CCT, 5000K CCT and 5700K CCT. For the ultimate level of spill light control, an optional house-side shield accessory can be field or factory installed. The house-side shield is designed to seamlessly integrate with the SL2, SL3 or SL4 optics.

Electrical
LED drivers mount to die-cast aluminum back housing for optimal heat sinking, operation efficacy, and prolonged life. Standard drivers feature electronic universal voltage (120-277V 50/60Hz), 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Greater than 0.9 power factor, less than 20% harmonic distortion, and is suitable for operation in -40°C to 40°C ambient environments. All fixtures are shipped standard with 10kV/10kA common – and differential – mode surge protection. LightBARs feature an IP66 enclosure rating and maintain greater than 95% lumen maintenance at 60,000 hours per IESNA TM-21. Occupancy sensor and dimming options available.

Mounting
Cast aluminum 6" arm includes bolt guides allowing for easy positioning of fixture during installation to pole or wall surface. Standard single carton packaging of housing, square pole arm and round pole adapter for contractor friendly arrival of product on site. Optional internal mast arm mount accepts a 1-1/4" to 2" O.D. horizontal tenon, while a two-bolt clamping mechanism secures fixture. Cast-in leveling guides provide +/-5° vertical leveling adjustment. Tenon adapters available to slipfit over poles equipped with 2-3/8" or 3-1/2" O.D. tenon. 3G vibration rated.

Finish
Cast components and arm finished in super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult the McGraw-Edison Architectural Colors brochure for the complete selection.

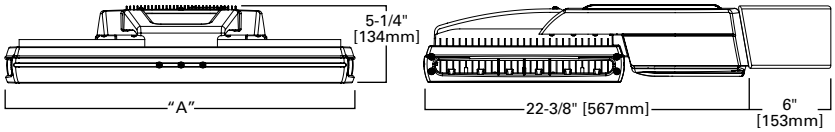
Warranty
Five-year warranty.

VTS
VENTUS LED

2 - 12 LightBARs
Solid State LED

AREA LUMINAIRE

DIMENSIONS



DIMENSIONAL DATA

Number of LightBars	"A" Width	Weight		EPA [Square Feet]	
		Without Arm	With Arm	Without Arm	With Arm
2-4	12-7/8" [328mm]	24 lbs. [10.91 kgs.]	29 lbs. [13.18 kgs.]	0.94	1.00
5-8	18" [458mm]	30 lbs. [13.64 kgs.]	35 lbs. [15.91 kgs.]	1.10	1.20
9-12	25-7/8" [658mm]	39 lbs. [17.73 kgs.]	44 lbs. [20.00 kgs.]	1.31	1.44

CERTIFICATION DATA
3G Vibration Rated
DesignLights Consortium® Qualified*
IP66 LightBARs
ISO 9001
LM79 / LM80 Compliant
UL/cUL Listed

ENERGY DATA
Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V/50Hz & 60Hz, 347V/60Hz, 480V/60Hz
-40°C Minimum Temperature
40°C Ambient Temperature Rating
50°C Ambient Temperature Rating (HA option)

SHIPPING DATA
Approximate Net Weight:
(See Tabulated Reference Data)

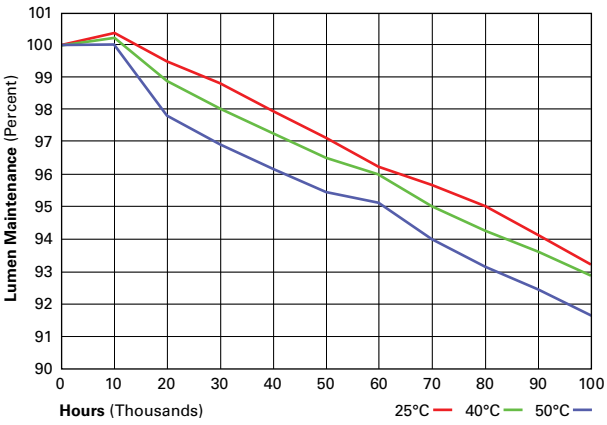
POWER AND LUMENS BY BAR COUNT (21 LED LIGHTBAR)

Number of LightBARs		E02	E03	E04	E05	E06	E07	E08	E09	E10	E11	E12
Drive Current		350mA Drive Current										
Power (Watts)		52W	75W	97W	127W	149W	173W	195W	226W	247W	270W	292W
Current @ 120V (A)		0.44	0.63	0.82	1.07	1.26	1.45	1.63	1.89	2.08	2.26	2.45
Current @ 277V (A)		0.20	0.28	0.36	0.48	0.56	0.64	0.71	0.84	0.92	0.99	1.07
Power (Watts)		58W	82W	99W	132W	159W	174W	196W	227W	247W	271W	293W
Current @ 347V (A)		0.19	0.28	0.29	0.39	0.48	0.56	0.57	0.68	0.76	0.85	0.86
Current @ 480V (A)		0.15	0.20	0.21	0.30	0.36	0.41	0.42	0.51	0.57	0.62	0.63
T2	Lumens	6,173	9,260	12,347	15,434	18,520	21,607	24,694	27,780	30,867	33,954	37,041
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4
T3	Lumens	6,117	9,175	12,233	15,292	18,350	21,409	24,467	27,525	30,584	33,642	36,700
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4
T4	Lumens	5,953	8,929	11,905	14,882	17,858	20,835	23,811	26,787	29,764	32,740	35,716
	BUG Rating	B1-U0-G2	B2-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	B3-U0-G5
5MQ	Lumens	6,398	9,597	12,795	15,994	19,193	22,392	25,591	28,790	31,989	35,187	38,386
	BUG Rating	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	B5-U0-G4	B5-U0-G4
5WQ	Lumens	6,315	9,472	12,630	15,787	18,945	22,102	25,260	28,417	31,575	34,732	37,890
	BUG Rating	B3-U0-G1	B4-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	B5-U0-G4
5XQ	Lumens	6,325	9,488	12,650	15,813	18,975	22,138	25,301	28,463	31,626	34,788	37,951
	BUG Rating	B3-U1-G2	B3-U1-G3	B4-U1-G3	B4-U1-G3	B4-U1-G4	B5-U1-G4	B5-U2-G5	B5-U2-G5	B5-U2-G5	B5-U2-G5	B5-U2-G5
SL2	Lumens	6,018	9,026	12,035	15,044	18,053	21,061	24,070	27,079	30,088	33,096	36,105
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G4
SL3	Lumens	6,034	9,051	12,067	15,084	18,101	21,118	24,135	27,152	30,169	33,186	36,202
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
SL4	Lumens	5,802	8,703	11,604	14,505	17,406	20,307	23,207	26,108	29,009	31,910	34,811
	BUG Rating	B1-U0-G2	B2-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	B3-U0-G5
RW	Lumens	6,231	9,346	12,462	15,577	18,692	21,808	24,923	28,039	31,154	34,270	37,385
	BUG Rating	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
SLL/SLR	Lumens	5,375	8,062	10,749	13,436	16,124	18,811	21,498	24,186	26,873	29,560	32,247
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-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

LUMEN MAINTENANCE

Ambient Temperature	25,000 Hours*	50,000 Hours*	60,000 Hours*	100,000 Hours	Theoretical L70 (Hours)
25°C	> 99%	> 97%	> 96%	> 93%	> 450,000
40°C	> 98%	> 97%	> 96%	> 92%	> 425,000
50°C	> 97%	> 96%	> 95%	> 91%	> 400,000

* Per IESNA TM-21 data.



LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
10°C	1.02
15°C	1.01
25°C	1.00
40°C	0.99
50°C	0.96

LIGHTBAR OPERATION WITH 2L BI-LEVEL SWITCHING OPTION

Number of LightBars	Circuit 1	Circuit 2
2	1	1
3	2	2
4	2	2
5	3	2
6	3	3
7	4	3
8	4	4
9	5	4
10	6	4
11	7	4
12	8	4

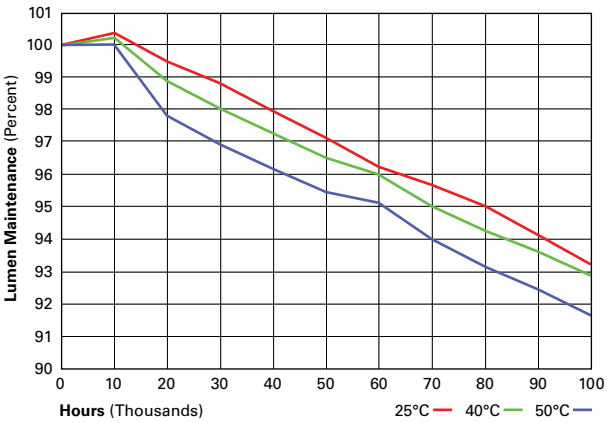
POWER AND LUMENS BY BAR COUNT (7 LED LIGHTBAR)

Number of LightBARs		F02	F03	F04	F05	F06	F07	F08	F09	F10	F11	F12
Drive Current		1A Drive Current										
Power (Watts)		55W	78W	102W	133W	157W	180W	204W	235W	259W	283W	307W
Current @ 120V (A)		0.46	0.66	0.86	1.12	1.31	1.51	1.71	1.97	2.17	2.37	2.57
Current @ 277V (A)		0.21	0.29	0.37	0.50	0.58	0.66	0.74	0.88	0.96	1.04	1.12
Power (Watts)		60W	85W	105W	137W	164W	181W	204W	236W	259W	284W	308W
Current @ 347V (A)		0.19	0.28	0.30	0.41	0.49	0.58	0.60	0.71	0.79	0.88	0.90
Current @ 480V (A)		0.15	0.21	0.22	0.31	0.37	0.43	0.44	0.53	0.59	0.65	0.66
T2	Lumens	5,096	7,644	10,193	12,741	15,289	17,837	20,385	22,933	25,482	28,030	30,578
	BUG Rating	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	B4-U0-G4	B4-U0-G4
T3	Lumens	5,050	7,574	10,099	12,624	15,149	17,673	20,198	22,723	25,248	27,772	30,297
	BUG Rating	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4
T4	Lumens	4,914	7,371	9,828	12,285	14,742	17,199	19,656	22,114	24,571	27,028	29,485
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4
5MQ	Lumens	5,281	7,922	10,563	13,204	15,844	18,485	21,126	23,767	26,407	29,048	31,689
	BUG Rating	B3-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	B5-U0-G3
5WQ	Lumens	5,213	7,820	10,426	13,033	15,640	18,246	20,853	23,459	26,066	28,672	31,279
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
5XQ	Lumens	5,222	7,832	10,443	13,054	15,665	18,276	20,886	23,497	26,108	28,719	31,330
	BUG Rating	B3-U1-G2	B3-U1-G3	B4-U1-G3	B4-U1-G3	B4-U1-G3	B4-U1-G4	B5-U1-G4	B5-U2-G4	B5-U2-G5	B5-U2-G5	B5-U2-G5
SL2	Lumens	4,968	7,451	9,935	12,419	14,903	17,387	19,870	22,354	24,838	27,322	29,806
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
SL3	Lumens	4,981	7,471	9,962	12,452	14,943	17,433	19,924	22,414	24,905	27,395	29,886
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4
SL4	Lumens	4,790	7,184	9,579	11,974	14,369	16,764	19,158	21,553	23,948	26,343	28,738
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4
RW	Lumens	5,144	7,716	10,287	12,859	15,431	18,003	20,575	23,147	25,719	28,290	30,862
	BUG Rating	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
SLL/SLR	Lumens	4,437	6,655	8,874	11,092	13,311	15,529	17,747	19,966	22,184	24,403	26,621
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G4	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5

LUMEN MAINTENANCE

Ambient Temperature	25,000 Hours*	50,000 Hours*	60,000 Hours*	100,000 Hours	Theoretical L70 (Hours)
25°C	> 99%	> 97%	> 96%	> 93%	> 450,000
40°C	> 98%	> 97%	> 96%	> 92%	> 425,000
50°C	> 97%	> 96%	> 95%	> 91%	> 400,000

* Per IESNA TM-21 data.



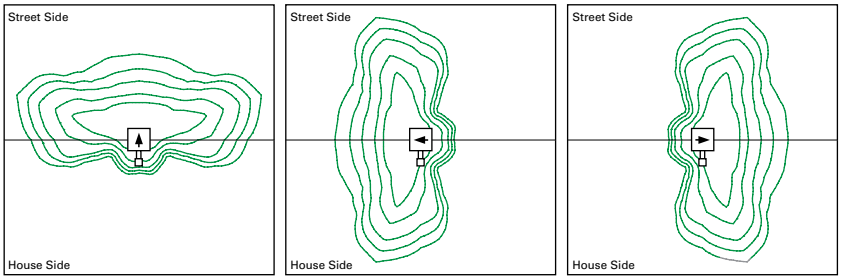
LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
10°C	1.02
15°C	1.01
25°C	1.00
40°C	0.99
50°C	0.96

LIGHTBAR OPERATION WITH 2L BI-LEVEL SWITCHING OPTION

Number of LightBars	Circuit 1	Circuit 2
2	1	1
3	2	2
4	2	2
5	3	2
6	3	3
7	4	3
8	4	4
9	5	4
10	6	4
11	7	4
12	8	4

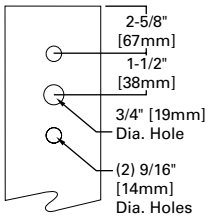
OPTIC ORIENTATION



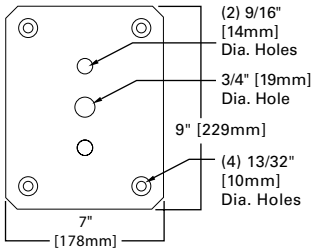
Standard | **Optics Rotated Left @ 90°** [L90] | **Optics Rotated Right @ 90°** [R90]

DRILLING PATTERNS

Type "C"



Wall Mount [WM]



CONTROL OPTIONS

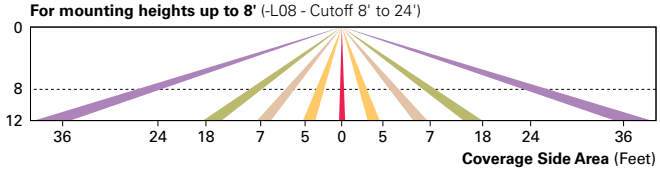
0-10V (DIM)
This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

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.

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.

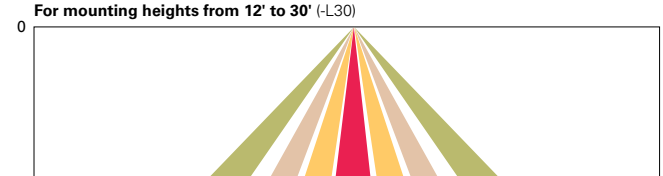
These occupancy sensors includes an integral photocell that can be activated with the FSIR-100 accessory for "dusk-to-dawn" control or daylight harvesting -- the factory preset is OFF. The FSIR-100 is a wireless tool utilized for changing the dimming level, time delay, sensitivity and other parameters.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

For mounting heights up to 8' (-L08 - Cutoff 8' to 24')



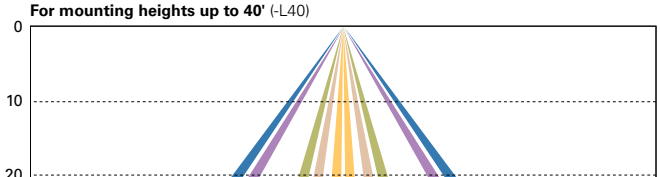
Coverage Side Area (Feet)

For mounting heights from 12' to 30' (-L30)



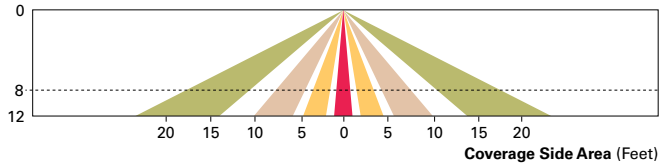
Coverage Side Area (Feet)

For mounting heights up to 40' (-L40)



Coverage Side Area (Feet)

For mounting heights from 8' to 12' (-L12)



Coverage Side Area (Feet)

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.

ORDERING INFORMATION

Sample Number: VTS-E12-LED-E1-T3-GM

Product Family [1, 2]	Number of LightBARs [3, 4]		Lamp Type	Voltage	Distribution	Color
VTS=Ventus	**E02**=(2) 21 LED LightBARs **E03**=(3) 21 LED LightBARs **E04**=(4) 21 LED LightBARs **E05**=(5) 21 LED LightBARs **E06**=(6) 21 LED LightBARs **E07**=(7) 21 LED LightBARs **E08**=(8) 21 LED LightBARs **E09**=(9) 21 LED LightBARs **E10**=(10) 21 LED LightBARs **E11**=(11) 21 LED LightBARs **E12**=(12) 21 LED LightBARs	**F02**=(2) 7 LED LightBARs **F03**=(3) 7 LED LightBARs **F04**=(4) 7 LED LightBARs **F05**=(5) 7 LED LightBARs **F06**=(6) 7 LED LightBARs **F07**=(7) 7 LED LightBARs **F08**=(8) 7 LED LightBARs **F09**=(9) 7 LED LightBARs **F10**=(10) 7 LED LightBARs **F11**=(11) 7 LED LightBARs **F12**=(12) 7 LED LightBARs	**LED**=Solid State Light Emitting Diodes	**E1**=Electronic (120-277V) **347**=347V [5, 6] **480**=480V [5, 6, 7]	**T2**=Type II **T3**=Type III **T4**=Type IV **5MQ**=Type V Square Medium **5WQ**=Type V Square Wide **5XQ**=Type V Square Extra Wide **SL2**=Type II with Spill Control **SL3**=Type III with Spill Control **SL4**=Type IV with Spill Control **RW**=Rectangular Wide **SLL**=90° Spill Light Eliminator Left **SLR**=90° Spill Light Eliminator Right	**AP**=Grey **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White

Match Exist.

Options (Add as Suffix)	**Accessories** (Order Separately) [22]
P=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage) [5] **R**=NEMA Twistlock Photocontrol Receptacle **PER7**=NEMA 7-PIN Twistlock Photocontrol Receptacle [8] **HA**=50°C High Ambient Temperature Rating [9, 10] **2L**=Two Circuits [6, 11, 12, 13] **L90**=Optics Rotated 90° Left [14] **R90**=Optics Rotated 90° Right [14] **7030**=70 CRI / 3000K CCT [15] **7050**=70 CRI / 5000K CCT [15] **7060**=70 CRI / 5700K CCT [15] **8030**=80 CRI / 3000K CCT [15] **TH**=Tool-less Door Hardware **LCF**=LightBAR Cover Plate Matches Housing Finish **WG**=Wire Guard **WM**=Wall Mount with Arm **IM**=Integral Mast Arm **MS-LXX**=Motion Sensor for On/Off Operation [16] **MS/X-LXX**=Motion Sensor for Bi-Level Operation [17] **MS/DIM-LXX**=Motion Sensor for Dimming Operation [18, 19] **DIM**=0-10V Dimming Drivers [20] **HSS**=Factory Installed House Side Shield [21]	**VA1033-XX**=Single Tenon Adapter for 2-3/8" O.D. Tenon **VA1034-XX**=2@180° Tenon Adapter for 2-3/8" O.D. Tenon **VA1035-XX**=3@120° Tenon Adapter for 2-3/8" O.D. Tenon **VA1036-XX**=4@90° Tenon Adapter for 2-3/8" O.D. Tenon **VA1037-XX**=2@90° Tenon Adapter for 2-3/8" O.D. Tenon **VA1038-XX**=3@90° Tenon Adapter for 2-3/8" O.D. Tenon **VA1039-XX**=2@120° Tenon Adapter for 2-3/8" O.D. Tenon **VA1040-XX**=Single Tenon Adapter for 3-1/2" O.D. Tenon **VA1041-XX**=2@180° Tenon Adapter for 3-1/2" O.D. Tenon **VA1042-XX**=3@120° Tenon Adapter for 3-1/2" O.D. Tenon **VA1043-XX**=4@90° Tenon Adapter for 3-1/2" O.D. Tenon **VA1044-XX**=2@90° Tenon Adapter for 3-1/2" O.D. Tenon **VA1045-XX**=3@90° Tenon Adapter for 3-1/2" O.D. Tenon **VA1046-XX**=2@120° Tenon Adapter for 3-1/2" O.D. Tenon **FSIR-100**=Wireless Configuration Tool for Occupancy Sensor [23] **OA/RA1016**=NEMA Photocontrol - Multi-Tap **OA/RA1027**=NEMA Photocontrol - 480V **OA/RA1201**=NEMA Photocontrol - 347V **MA1253**=10kV Circuit Module Replacement **LB/HSS**=Field Installed House Side Shield [24] **WOLC-7P-10A**=WaveLinx Outdoor Control Module (7-pin) [25]

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. 6" arm and round pole adapter included with fixture.
3. 21 LED LightBAR powered at 350mA, 7 LED LightBAR powered at 1A.
4. Standard 4000K CCT and nominal 70CRI.
5. Not available with HA option.
6. Must specify voltage.
7. 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).
8. Must specify DIM option to add dimming driver(s). Only available in E02-E06 and F02-F06.
9. Not available with DIM option or MS/DIM-LXX.
10. Not available with button photocontrol or motion sensor.120 - 277V only.
11. Requires two electrical circuits to luminaire. See LightBAR operation table for additional information.
12. Consult factory before ordering in combination with MS-LXX or MS/X-LXX options.
13. Not available in 347V or 480V.
14. Not available with 5MQ, 5WQ or 5XQ distributions. Not available with HSS option.
15. Extended lead times apply.
16. Sensor housed in external box mounted to the luminaire. Available in E02-E12 and F02-F12 configurations. Replace XX with mounting height in feet for proper lens selection, (e.g., MS-L25). Consult factory for additional information.
17. Sensor housed in external box mounted to the luminaire. Available in E02-E12 and F02-F12 configurations. Replace X with number of bars operating in low output mode and replace XX with mounting height for proper lens selection, (e.g., MS/3-L25). Maximum 4 bars in low output mode. Consult factory for additional information.
18. Not available with HA option. Only available in F02-F06 and E02-E06. Includes Dimming Drivers. Not available in 347V or 480V.
19. Replace XX with mounting height in feet for proper lens selection, (e.g., MS/DIM-L25).
20. Available in E02-E06 and F02-F06 only.
21. Only for use with SL2, SL3 and SL4 distributions. Not available with L90 or R90 options.
22. Replace XX with color suffix.
23. Only compatible with MS/DIM-LXX motion sensor.
24. One required for each LightBAR. Not available with L90 or R90 options.
25. Requires 7-pin NEMA twistlock photocontrol receptacle. The WOLC-7 cannot be used in conjunction with additional sensors or controls.

McGraw-Edison

DESCRIPTION

The Galleon™ Wall LED luminaire's appearance is complementary with the Galleon area and site luminaire bringing a modern architectural style to lighting applications. Flexible mounting options accommodate wall surfaces in both an upward and downward configuration. The Galleon family of LED products deliver exceptional performance with patented, high-efficiency AccuLED Optics™, providing uniform and energy conscious lighting for parking lots, building and security lighting applications.

Catalog #		**Type**
Project	The District	WP1
Comments	Wall Pack	**Date**
Prepared by		

SPECIFICATION FEATURES

Construction
Driver enclosure thermally isolated from optics for optimal thermal performance. Heavy wall aluminum housing die-cast with integral external heat sinks to provide superior structural rigidity and an IP66 rated housing. Overall construction passes a 1.5G vibration test to ensure mechanical integrity. UPLIGHTING: Specify with the UPL option for inverted mount uplight housing with additional protections to maintain IP rating.

Optics
Choice of thirteen patented, high-efficiency AccuLED Optics. The 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 and minimum 70 CRI. Optional 3000K, 5000K and 6000K CCT. Greater than 90% lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 1200mA, 800mA, and 600mA drive currents.

Electrical
LED drivers are mounted for ease of maintenance. 120-277V 50/60Hz, 347V or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Drivers are provided standard with 0-10V dimming. An optional Eaton proprietary surge protection module is available and designed to withstand 10kV of transient line surge. The Galleon Wall 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. Emergency egress options for -20°C ambient environments and occupancy sensor available.

Mounting
Gasketed and zinc plated rigid steel mounting attachment fits directly to 4" j-box or wall with the Galleon Wall "Hook-N-Lock" mechanism for quick installation. Secured with two captive corrosion resistant black oxide coated allen head set screws which are concealed but accessible from bottom of fixture.

Finish
Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult the McGraw-Edison Architectural Colors brochure for the complete selection.

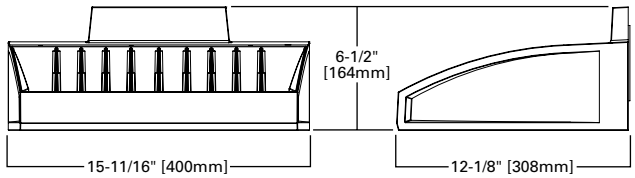
Warranty
Five-year warranty.

GWC GALLEON WALL

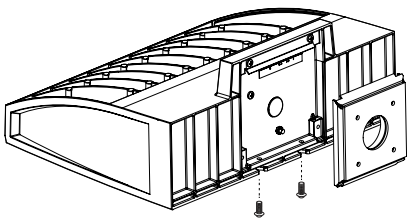
1-2 Light Squares
Solid State LED

WALL MOUNT LUMINAIRE

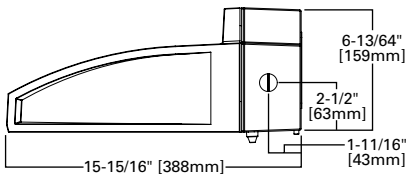
DIMENSIONS



HOOK-N-LOCK MOUNTING



BATTERY BACKUP AND THRU-BRANCH BACK BOX



CERTIFICATION DATA

UL/cUL Listed
LM79 / LM80 Compliant
IP66 Housing
ISO 9001
DesignLights Consortium® Qualified*

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V 50/60Hz
347V, 480V 60Hz
-40°C Min. Temperature
40°C Max. Temperature
50°C Max. Temperature (HA Option)

SHIPPING DATA

Approximate Net Weight:
27 lbs. (12.2 kgs.)

Powering Business Worldwide

*www.designlights.org

POWER AND LUMENS

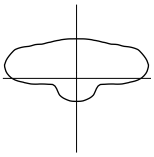
Number of Light Squares		1				2			
Drive Current		600mA	800mA	1.0A	1.2A	600mA	800mA	1.0A	1.2A
Nominal Power (Watts)		34	44	59	67	66	86	113	129
Input Current @ 120V (A)		0.30	0.39	0.51	0.58	0.58	0.77	1.02	1.16
Input Current @ 208V (A)		0.17	0.22	0.29	0.33	0.34	0.44	0.56	0.63
Input Current @ 240V (A)		0.15	0.19	0.26	0.29	0.30	0.38	0.48	0.55
Input Current @ 277V (A)		0.14	0.17	0.23	0.25	0.28	0.36	0.42	0.48
Input Current @ 347V (mA)		0.11	0.15	0.17	0.20	0.19	0.24	0.32	0.39
Input Current @ 480V (mA)		0.08	0.11	0.14	0.15	0.15	0.18	0.24	0.30
Optics									
T2	4000K/5000K Lumens	4,204	5,156	6,381	7,000	8,215	10,075	12,470	13,680
	3000K Lumens	3,975	4,874	6,033	6,618	7,767	9,525	11,790	12,934
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2
T3	4000K/5000K Lumens	4,285	5,256	6,505	7,135	8,375	10,269	12,710	13,943
	3000K Lumens	4,051	4,969	6,150	6,746	7,918	9,710	12,017	13,182
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2
T4FT	4000K/5000K Lumens	4,311	5,286	6,542	7,177	8,422	10,329	12,784	14,024
	3000K Lumens	4,075	4,998	6,185	6,786	7,963	9,766	12,086	13,259
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3
T4W	4000K/5000K Lumens	4,254	5,217	6,458	7,084	8,313	10,195	12,619	13,843
	3000K Lumens	4,023	4,933	6,105	6,698	7,860	9,639	11,931	13,088
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3
SL2	4000K/5000K Lumens	4,196	5,147	6,370	6,988	8,202	10,058	12,449	13,656
	3000K Lumens	3,967	4,866	6,022	6,607	7,755	9,509	11,771	12,911
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3
SL3	4000K/5000K Lumens	4,284	5,255	6,504	7,134	8,374	10,268	12,709	13,941
	3000K Lumens	3,849	4,720	5,842	6,408	7,520	9,224	11,415	12,523
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G3
SL4	4000K/5000K Lumens	4,071	4,992	6,179	6,778	7,954	9,756	12,074	13,246
	3000K Lumens	3,849	4,720	5,842	6,408	7,520	9,224	11,415	12,523
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G3
5NQ	4000K/5000K Lumens	4,420	5,420	6,709	7,358	8,637	10,591	13,108	14,380
	3000K Lumens	4,179	5,124	6,343	6,957	8,166	10,013	12,393	13,595
	BUG Rating	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2
5MQ	4000K/5000K Lumens	4,501	5,520	6,831	7,494	8,795	10,786	13,350	14,644
	3000K Lumens	4,256	5,219	6,458	7,085	8,316	10,198	12,622	13,845
	BUG Rating	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2
5WQ	4000K/5000K Lumens	4,513	5,534	6,849	7,514	8,819	10,815	13,385	14,683
	3000K Lumens	4,268	5,232	6,475	7,104	8,338	10,224	12,656	13,882
	BUG Rating	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2
SLL/SLR	4000K/5000K Lumens	3,765	4,619	5,716	6,270	7,358	9,023	11,167	12,251
	3000K Lumens	3,560	4,367	5,404	5,927	6,957	8,531	10,559	11,583
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G3
RW	4000K/5000K Lumens	4,379	5,370	6,647	7,293	8,558	10,494	12,989	14,250
	3000K Lumens	4,141	5,077	6,285	6,895	8,092	9,922	12,281	13,473
	BUG Rating	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2

* Nominal lumen data for 70 CRI. BUG rating for 4000K/5000K. Refer to IES files for 3000K BUG ratings.

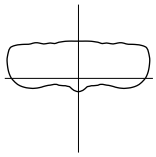
OPTICAL DISTRIBUTIONS

Asymmetric Area Distributions

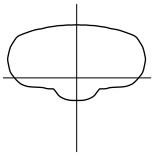
T2
(Type II)



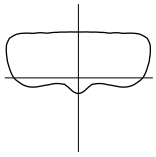
SL2
(Type II with Spill Control)



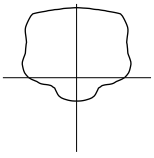
T3
(Type III)



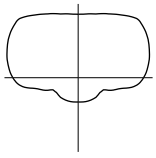
SL3
(Type III with Spill Control)



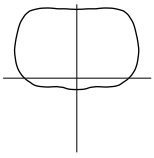
T4FT
(Type IV Forward Throw)



T4W
(Type IV Wide)

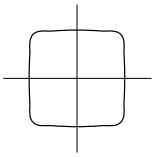


SL4
(Type IV with Spill Control)

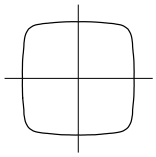


Symmertric Distributions

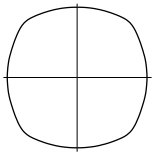
5NQ
(Type V Square Narrow)



5MQ
(Type V Square Medium)

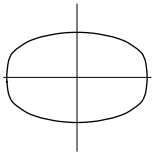


5WQ
(Type V Square Wide)

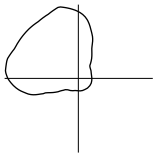


Specialized Distributions

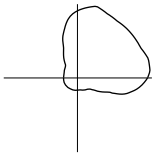
RW
(Rectangular Wide Type I)



SLL
(90° Spill Light Eliminator Left)

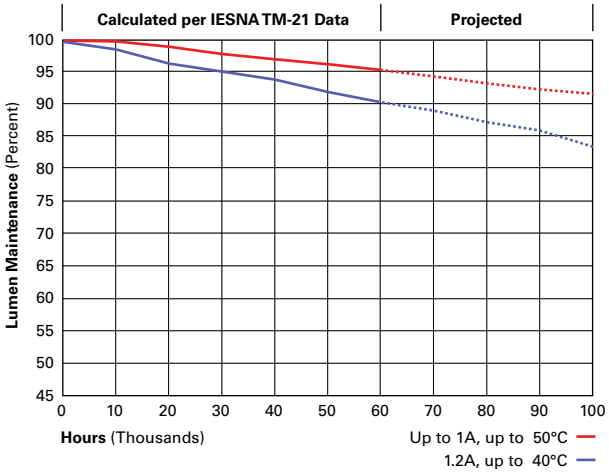


SLR
(90° Spill Light Eliminator Right)



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

CONTROL OPTIONS

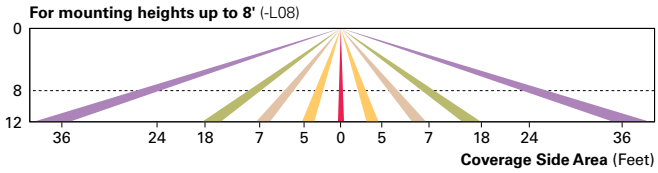
0-10V
This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

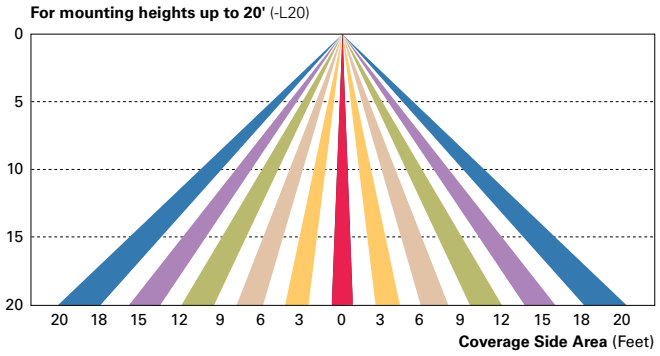
Photocontrol (P, R and PER7)
Optional button-type photocontrol (P) and photocontrol receptacles (R and PER7) provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PER7 receptacle.

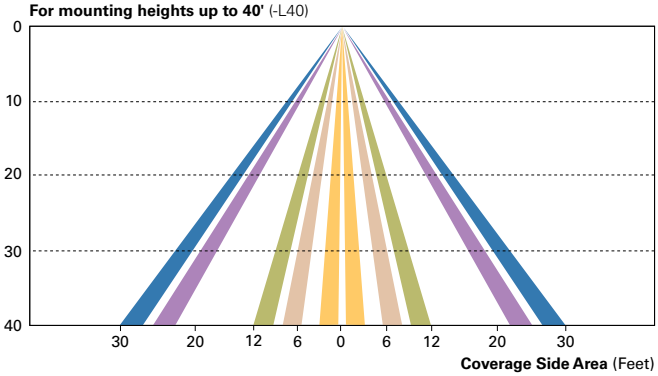
After Hours Dim (AHD)
This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the 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.

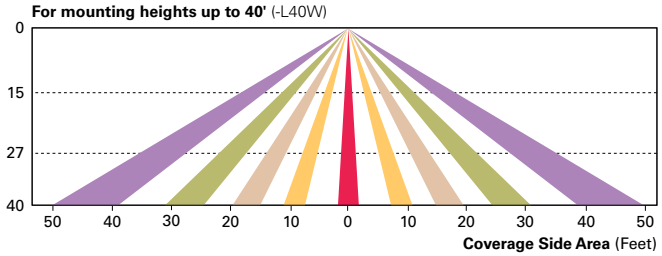
Dimming Occupancy Sensor (MS/DIM-LXX and MS-LXX)
These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, 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'.

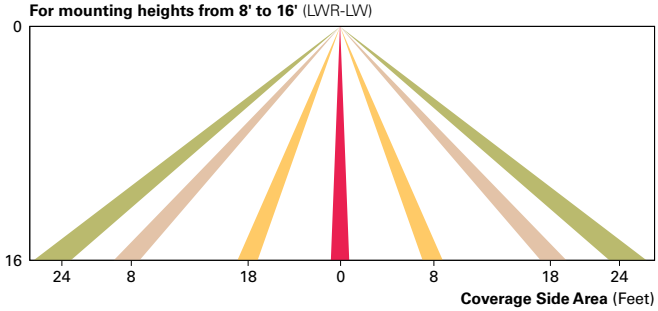


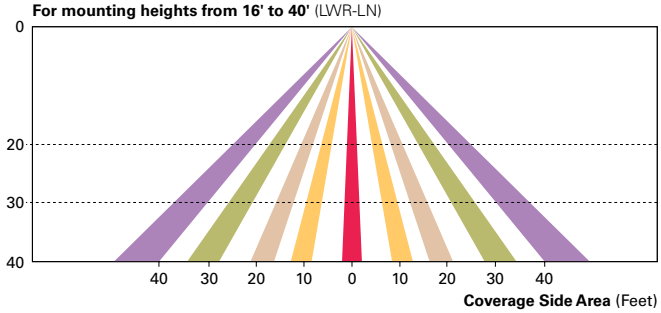






LumaWatt Pro Wireless Control and Monitoring System (LWR-LW and LWR-LN)
The Eaton's LumaWatt Pro powered by Enlighted is a connected lighting solution that combines a broad selection of energy-efficient LED luminaires with a powerful integrated wireless sensor system. The sensor controls the lighting 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.

ORDERING INFORMATION

Sample Number: GWC-AF-02-LED-E1-T3-GM

Product Family [1]	Light Engine	Number of Light Squares [2]	Lamp Type	Voltage	Distribution	Color	Mounting Options
GWC=Galleon Wall	**AF**=1A Drive Current	**01**=1 **02**=2 [3]	**LED**=Solid State Light Emitting Diodes	**E1**=120-277V **347**=347V [4] **480**=480V [4, 5]	**T2**=Type II **T3**=Type III **T4FT**=Type IV Forward Throw **T4W**=Type IV 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 **5NQ**=Type V Square Narrow **5MQ**=Type V Square Medium **5WQ**=Type V Square Wide	**AP**=Grey **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White **CC**=Custom Color [6]	**[BLANK]**=Surface Mount

Options (Add as Suffix)

7027=70 CRI / 2700K [7]
7030=70 CRI / 3000K [7]
8030=80 CRI / 3000K [7]
7050=70 CRI / 5000K [7]
7060=70 CRI / 6000K [7]
600=Drive Current Factory Set to 600mA
800=Drive Current Factory Set to 800mA
1200=Drive Current Factory Set to 1200mA [8]
F=Single Fused (120, 277 or 347V. Must Specify Voltage)
FF=Double Fused (208, 240 or 480V. Must Specify Voltage)
10K=10kV Surge Module
DIM=0-10V Dimming Leads [9, 10]
DALI=DALI Driver [11]
HA=50°C High Ambient [12]
UPL=Uplight Housing [13]
BBB=Battery Pack with Back Box [3,8,14,27]
CWB=Cold Weather Battery Pack with Back Box [3,8,14,27]
P=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage)
R=NEMA Twistlock Photocontrol Receptacle
PER7=NEMA 7-PIN Twistlock Photocontrol Receptacle [15]
AHD145=After Hours Dim, 5 Hours [16]
AHD245=After Hours Dim, 6 Hours [16]
AHD255=After Hours Dim, 7 Hours [16]
AHD355=After Hours Dim, 8 Hours [16]
MS-LXX=Motion Sensor for On/Off Operation [17, 18, 19]
MS/DIM-LXX=Motion Sensor for Dimming Operation [17, 18, 19]
LWR-LW=LumaWatt Wireless Sensor, Wide Lens for 8' - 16' Mounting Height [19, 20, 21]
LWR-LN=LumaWatt Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height [19, 20, 21]
L90=Optics Rotated 90° Left
R90=Optics Rotated 90° Right
MT=Factory Installed Mesh Top
LCF=Light Square Trim Plate Painted to Match Housing [22]
HSS=Factory Installed House Side Shield [23]
CE=CE Marking and Small Terminal Block [24]

Accessories (Order Separately)

OA/RA1013=Photocontrol Shorting Cap
OA/RA1016=NEMA Photocontrol - Multi-Tap 105-285V
OA/RA1201=NEMA Photocontrol - 347V
OA/RA1027=NEMA Photocontrol - 480V
MA1252=10kV Circuit Module Replacement
MA1059XX=Thru-branch Back Box (Must Specify Color)
FSIR-100=Wireless Configuration Tool for Occupancy Sensor [17]
LS/HSS=Field Installed House Side Shield [23, 25]
WOLC-7P-10A=WaveLinx Outdoor Control Module (7-pin) [26]

NOTES:
1. DesignLight Consortium® Qualied. Refer to www.designlights.org Qualified Products List under Family Models for details.
2. Standard 4000K CCT and minimum 70 CRI.
3. Two light squares with BBB or CWB options limited to 25°C, 120-277V only.
4. Requires the use of a step down transformer. Not available in combination with sensor options at 1200mA.
5. 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).
6. Custom colors are available. Setup charges apply. Paint chip samples required. Extended Lead times apply.
7. Extended lead times apply. Use dedicated IES files when performing layouts.
8. Not available with HA option.
9. Cannot be used with other control options.
10. Low voltage control lead brought out 18" outside fixture.
11. Only availble with BBB or CWB in single light square. HA option available for single light square only. Limited to 1A and below.
12. Not available with 1200, UPL, BBB and CWB options. Available for single light square only.
13. Not available with SL2, SL3, SL4, HA, BBB, CWB, R, or PER7 options.
14. Operates a single light square only. Cold weather option operates -20°C to +40°C, standard 0°C to +40°C. Backbox is non-IP rated.
15. Compatible with standard 3-PIN photocontrols, 5-PIN or 7-PIN ANSI controls.
16. 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.
17. 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 Eaton for more information.
18. Replace LXX with the available mounting height options: L08, L20, L40 or L40W are the only choices.
19. Includes integral photosensor.
20. LumaWatt wireless sensors are factory installed requiring network components in appropriate quantities. See www.eaton.com/lighting for LumaWatt application information.
21. Bronze sensor is shipped with Bronze fixtures. White sensor shipped on all other housing color options.
22. Not available with HSS option.
23. Only for use with SL2, SL3 and SL4 distributions. The light square trim plate is painted black when the HSS option is selected.
24. CE is not available with the 1200, DALI, LWR, MS, MS/DIM, P, R or PER7 options. Available in 120-277V only.
25. One required for each light square.
26. Requires 7-pin NEMA twistlock photocontrol receptacle. The WOLC-7 cannot be used in conjunction with additional sensors or controls.
27. Control option limited to P=Button Type Photocontrol (must specify voltage).

Lumark

DESCRIPTION

The patented Lumark Crosstour™ LED Wall Pack Series of luminaries provides an architectural style with super bright, energy efficient LEDs. The low-profile, rugged die-cast aluminum construction, universal back box, stainless steel hardware along with a sealed and gasketed optical compartment make the Crosstour impervious to contaminants. The Crosstour wall luminaire is ideal for wall/surface, inverted mount for façade/canopy illumination, post/bollard, site lighting, floodlight and low level pathway illumination including stairs. Typical applications include building entrances, multi-use facilities, apartment buildings, institutions, schools, stairways and loading docks test.

		Type
Catalog #		WP3
Project	The District	
Comments	Over Door Wallpack	Date
Prepared by		

SPECIFICATION FEATURES

Construction
Slim, low-profile LED design with rugged one-piece, die-cast aluminum hinged removable door and back box. Matching housing styles incorporate both a small and medium design. The small housing is available in 12W, 18W and 26W. The medium housing is available in the 38W model. Patented secure lock hinge feature allows for safe and easy tool-less electrical connections with the supplied push-in connectors. Back box includes three half-inch, NPT threaded conduit entry points. The universal back box supports both the small and medium forms and mounts to standard 3-1/2" to 4" round and octagonal, 4" square, single gang and masonry junction boxes. Key hole gasket allows for adaptation to junction box or wall. External fin design extracts heat from the fixture surface. One-piece silicone gasket seals door and back box. Minimum 5" wide pole for site lighting application. Not recommended for car wash applications.

Optical
Silicone sealed optical LED chamber incorporates a custom engineered mirrored anodized reflector providing high-efficiency illumination. Optical assembly includes impact-resistant tempered glass and meets IESNA requirements for full cutoff compliance. Available in seven lumen packages; 5000K, 4000K and 3000K CCT.

Electrical
LED driver is mounted to the die-cast housing for optimal heat sinking. LED thermal management system incorporates both conduction and natural convection to transfer heat rapidly away from the LED source. 12W, 18W, 26W and 38W series operate in -40°C to 40°C [-40°F to 104°F]. High ambient 50°C models available. Crosstour luminaires maintain greater than 89% of initial light output after 72,000 hours of operation. Three half-inch NPT threaded conduit entry points allow for thru-branch wiring. Back box is an authorized electrical wiring compartment. Integral LED electronic driver incorporates surge protection. 120-277V 50/60Hz or 347V 60Hz models.

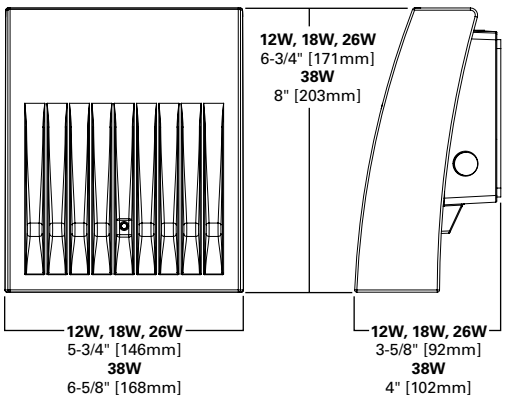
Finish
Crosstour is protected with a Super durable TGIC carbon bronze or summit white polyester powder coat paint. Super durable TGIC powder coat paint finishes withstand extreme climate conditions while providing optimal color and gloss retention of the installed life.

Warranty
Five-year warranty.

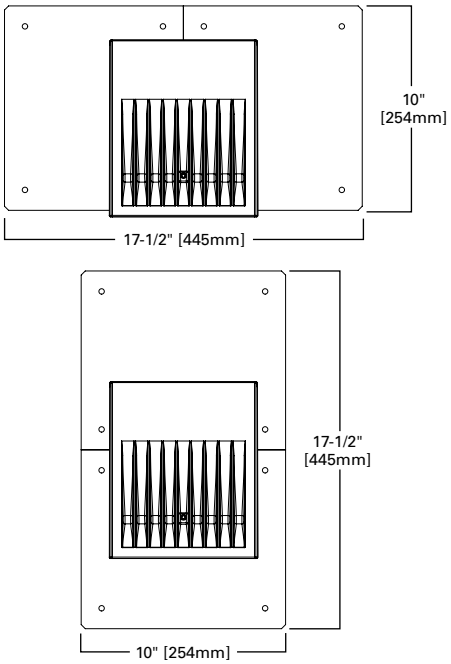
XTOR
CROSSTOUR LED

APPLICATIONS:
WALL / SURFACE
POST / BOLLARD
LOW LEVEL
FLOODLIGHT
INVERTED
SITE LIGHTING

DIMENSIONS



ESCUTCHEON PLATES



CERTIFICATION DATA
UL/cUL Wet Location Listed
LM79 / LM80 Compliant
ROHS Compliant
ADA Compliant
NOM Compliant Models
IP66 Ingressed Protection Rated
Title 24 Compliant
DesignLights Consortium® Qualified*

TECHNICAL DATA
40°C Maximum Ambient Temperature
External Supply Wiring 90°C Minimum

EPA
Effective Projected Area (Sq. Ft.):
XTOR1B, XT0R2B, XT0R3B=0.34
XTOR4B=0.45

SHIPPING DATA:
Approximate Net Weight:
3.7 – 5.25 lbs. [1.7 – 2.4 kgs.]

*www.designlights.org

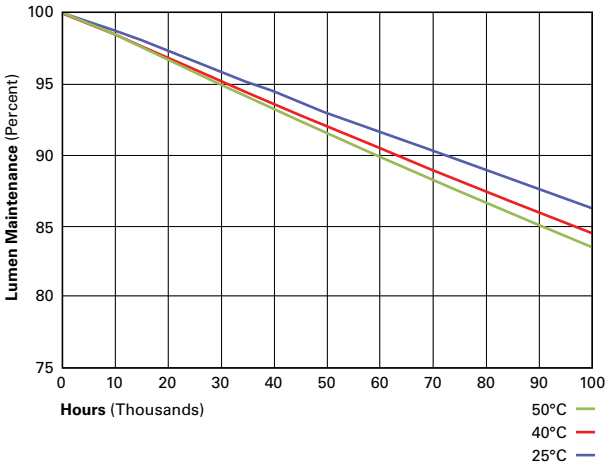
POWER AND LUMENS BY FIXTURE MODEL

LED Information	XTOR1B	XTOR1B-W	XTOR1B-Y	XTOR2B	XTOR2B-W	XTOR2B-Y	XTOR3B	XTOR3B-W	XTOR3B-Y	XTOR4B	XTOR4B-W	XTOR4B-Y
Delivered Lumens (Wall Mount)	1,418	1,396	1,327	2,135	2,103	1,997	2,751	2,710	2,575	4,269	4,205	3,995
Delivered Lumens (With Flood Accessory Kit) [1]	1,005	990	940	1,495	1,472	1,399	2,099	2,068	1,965	3,168	3,121	2,965
B.U.G. Rating [2]	B1-U0-G0	B1-U0-G0	B1-U0-G0	B1-U0-G0	B1-U0-G0	B1-U0-G0	B1-U0-G0	B1-U0-G0	B1-U0-G0	B2-U0-G0	B2-U0-G0	B2-U0-G0
CCT (Kelvin)	5,000	4,000	3,000	5,000	4,000	3,000	5,000	4,000	3,000	5,000	4,000	3,000
CRI (Color Rendering Index)	70	70	70	70	70	70	70	70	70	70	70	70
Power Consumption (Watts)	12W	12W	12W	18W	18W	18W	26W	26W	26W	38W	38W	38W

NOTES: 1 Includes shield and visor. **2** B.U.G. Rating does not apply to floodlighting.

LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (72,000 Hours)	Theoretical L70 (Hours)
XTOR1B Model		
25°C	> 90%	255,000
40°C	> 89%	234,000
50°C	> 88%	215,000
XTOR2B Model		
25°C	> 89%	240,000
40°C	> 88%	212,000
50°C	> 87%	196,000
XTOR3B Model		
25°C	> 89%	240,000
40°C	> 88%	212,000
50°C	> 87%	196,000
XTOR4B Model		
25°C	> 89%	222,000
40°C	> 87%	198,000
50°C	> 87%	184,000



CURRENT DRAW

Voltage	Model Series			
	XTOR1B	XTOR2B	XTOR3B	XTOR4B
120V	0.103A	0.15A	0.22A	0.34A
208V	0.060A	0.09A	0.13A	0.17A
240V	0.053A	0.08A	0.11A	0.17A
277V	0.048A	0.07A	0.10A	0.15A
347V	0.039A	0.06A	0.082A	0.12A

ORDERING INFORMATION

Sample Number: XTOR2B-W-WT-PC1

Series [1]	**LED Kelvin Color**	**Housing Color**	**Options** (Add as Suffix)	**Accessories** (Order Separately)
XTOR1B=Small Door, 12W **XTOR2B**=Small Door, 18W **XTOR3B**=Small Door, 26W **XTOR4B**=Medium Door, 38W	**[Blank]**=Bright White (Standard), 5000K **W**=Neutral White, 4000K **Y**=Warm White, 3000K	**[Blank]**=Carbon Bronze (Standard) **WT**=Summit White **BK**=Black **BZ**=Bronze **AP**=Grey **GM**=Graphite Metallic **DP**=Dark Platinum	**PC1**=Photocontrol 120V [2] **PC2**=Photocontrol 208-277V [2,3] **347V**=347V [4] **HA**=50°C High Ambient [4]	**WG/XTOR**=Wire Guard [5] **XTORFLD-KNC**=Knuckle Floodlight Kit [6] **XTORFLD-TRN**=Trunnion Floodlight Kit [6] **XTORFLD-KNC-WT**=Knuckle Floodlight Kit, Summit White [6] **XTORFLD-TRN-WT**=Trunnion Floodlight Kit, Summit White [6] **EWP/XTOR**=Escutcheon Wall Plate, Carbon Bronze **EWP/XTOR-WT**=Escutcheon Wall Plate, Summit White

NOTES:
1. DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details.
2. Photocontrols are factory installed.
3. Order PC2 for 347V models.
4. Thru-branch wiring not available with HA option or with 347V. XTOR3B not available with HA and 347V or 120V combination.
5. Wire guard for wall/surface mount. Not for use with floodlight kit accessory.
6. Floodlight kit accessory supplied with knuckle (KNC) or trunnion (TRN) base, small and large top visors and small and large impact shields.

STOCK ORDERING INFORMATION

12W Series	**18W Series**	**26W Series**	**38W Series**
XTOR1B=12W, 5000K, Carbon Bronze	**XTOR2B**=18W, 5000K, Carbon Bronze	**XTOR3B**=26W, 5000K, Carbon Bronze	**XTOR4B**=38W, 5000K, Carbon Bronze
XTOR1B-WT=12W, 5000K, Summit White	**XTOR2B-W**=18W, 4000K, Carbon Bronze	**XTOR3B-W**=26W, 4000K, Carbon Bronze	**XTOR4B-W**=38W, 4000K, Carbon Bronze
XTOR1B-PC1=12W, 5000K, 120V PC, Carbon Bronze	**XTOR2B-WT**=18W, 5000K, Summit White	**XTOR3B-WT**=26W, 5000K, Summit White	**XTOR4B-WT**=38W, 5000K, Summit White
XTOR1B-W=12W, 4000K, Carbon Bronze	**XTOR2B-PC1**=18W, 5000K, 120V PC, Carbon Bronze	**XTOR3B-PC1**=26W, 5000K, 120V PC, Carbon Bronze	**XTOR4B-PC1**=38W, 5000K, 120V PC, Carbon Bronze
	XTOR2B-W-PC1=18W, 4000K, 120V PC, Carbon Bronze	**XTOR3B-W-PC1**=26W, 4000K, 120V PC, Carbon Bronze	**XTOR4B-W-PC1**=38W, 4000K, 120V PC, Carbon Bronze
	XTOR2B-347V=18W, 5000K, Carbon Bronze, 347V	**XTOR3B-347V**=26W, 5000K, Carbon Bronze, 347V	**XTOR4B-347V**=38W, 5000K, Carbon Bronze, 347V
	XTOR2B-WT-PC1=18W, 5000K, 120V PC, Summit White	**XTOR3B-PC2**=26W, 5000K, 208-277V PC, Carbon Bronze	

Lumark

DESCRIPTION

The patented Lumark Crosstour™ LED Wall Pack Series of luminaries provides an architectural style with super bright, energy efficient LEDs. The low-profile, rugged die-cast aluminum construction, universal back box, stainless steel hardware along with a sealed and gasketed optical compartment make the Crosstour impervious to contaminants. The Crosstour wall luminaire is ideal for wall/surface, inverted mount for façade/canopy illumination, post/bollard, site lighting, floodlight and low level pathway illumination including stairs. Typical applications include building entrances, multi-use facilities, apartment buildings, institutions, schools, stairways and loading docks test.

Catalog #		**Type**
Project	The District	X3
Comments	Main Event Over Door Wallpack	**Date**
Prepared by		

SPECIFICATION FEATURES

Construction
Slim, low-profile LED design with rugged one-piece, die-cast aluminum hinged removable door and back box. Matching housing styles incorporate both a small and medium design. The small housing is available in 12W, 18W and 26W. The medium housing is available in the 38W model. Patented secure lock hinge feature allows for safe and easy tool-less electrical connections with the supplied push-in connectors. Back box includes three half-inch, NPT threaded conduit entry points. The universal back box supports both the small and medium forms and mounts to standard 3-1/2" to 4" round and octagonal, 4" square, single gang and masonry junction boxes. Key hole gasket allows for adaptation to junction box or wall. External fin design extracts heat from the fixture surface. One-piece silicone gasket seals door and back box. Minimum 5" wide pole for site lighting application. Not recommended for car wash applications.

Optical
Silicone sealed optical LED chamber incorporates a custom engineered mirrored anodized reflector providing high-efficiency illumination. Optical assembly includes impact-resistant tempered glass and meets IESNA requirements for full cutoff compliance. Available in seven lumen packages; 5000K, 4000K and 3000K CCT.

Electrical
LED driver is mounted to the die-cast housing for optimal heat sinking. LED thermal management system incorporates both conduction and natural convection to transfer heat rapidly away from the LED source. 12W, 18W, 26W and 38W series operate in -40°C to 40°C [-40°F to 104°F]. High ambient 50°C models available. Crosstour luminaires maintain greater than 89% of initial light output after 72,000 hours of operation. Three half-inch NPT threaded conduit entry points allow for thru-branch wiring. Back box is an authorized electrical wiring compartment. Integral LED electronic driver incorporates surge protection. 120-277V 50/60Hz or 347V 60Hz models.

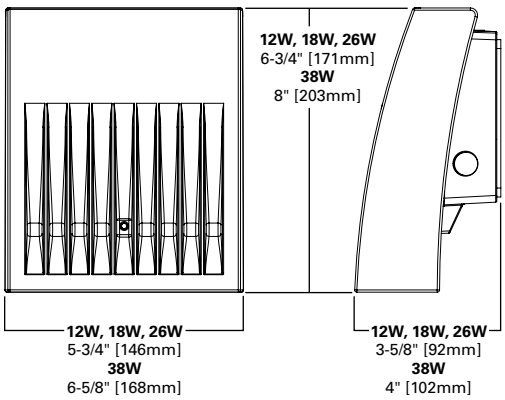
Finish
Crosstour is protected with a Super durable TGIC carbon bronze or summit white polyester powder coat paint. Super durable TGIC powder coat paint finishes withstand extreme climate conditions while providing optimal color and gloss retention of the installed life.

Warranty
Five-year warranty.

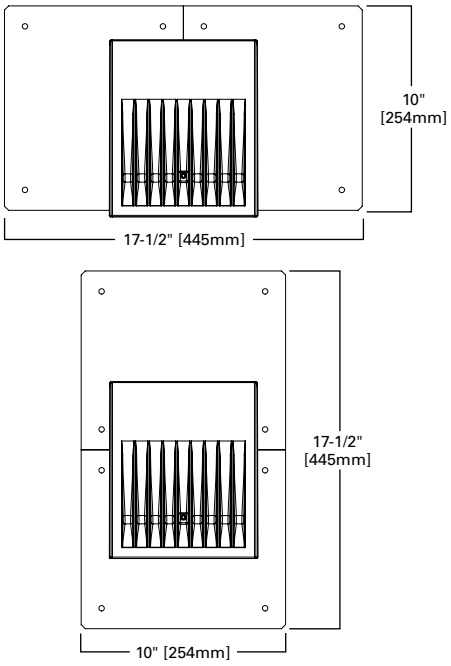
XTOR
CROSSTOUR LED

APPLICATIONS:
WALL / SURFACE
POST / BOLLARD
LOW LEVEL
FLOODLIGHT
INVERTED
SITE LIGHTING

DIMENSIONS



ESCUTCHEON PLATES



CERTIFICATION DATA
UL/cUL Wet Location Listed
LM79 / LM80 Compliant
ROHS Compliant
ADA Compliant
NOM Compliant Models
IP66 Ingressed Protection Rated
Title 24 Compliant
DesignLights Consortium® Qualified*

TECHNICAL DATA
40°C Maximum Ambient Temperature
External Supply Wiring 90°C Minimum

EPA
Effective Projected Area (Sq. Ft.):
XTOR1B, XT0R2B, XT0R3B=0.34
XTOR4B=0.45

SHIPPING DATA:
Approximate Net Weight:
3.7 – 5.25 lbs. [1.7 – 2.4 kgs.]

*www.designlights.org

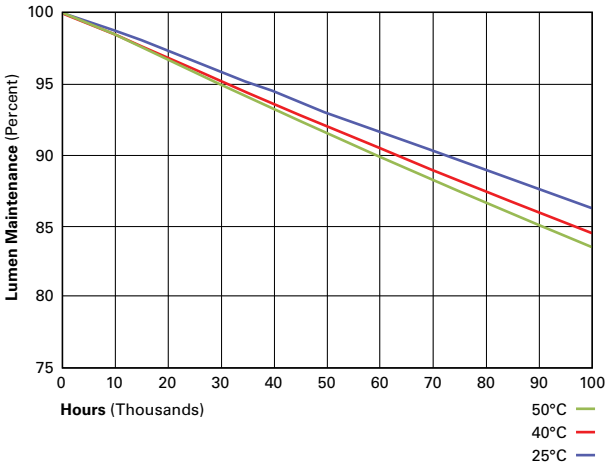
POWER AND LUMENS BY FIXTURE MODEL

LED Information	XTOR1B	XTOR1B-W	XTOR1B-Y	XTOR2B	XTOR2B-W	XTOR2B-Y	XTOR3B	XTOR3B-W	XTOR3B-Y	XTOR4B	XTOR4B-W	XTOR4B-Y
Delivered Lumens (Wall Mount)	1,418	1,396	1,327	2,135	2,103	1,997	2,751	2,710	2,575	4,269	4,205	3,995
Delivered Lumens (With Flood Accessory Kit) [1]	1,005	990	940	1,495	1,472	1,399	2,099	2,068	1,965	3,168	3,121	2,965
B.U.G. Rating [2]	B1-U0-G0	B1-U0-G0	B1-U0-G0	B1-U0-G0	B1-U0-G0	B1-U0-G0	B1-U0-G0	B1-U0-G0	B1-U0-G0	B2-U0-G0	B2-U0-G0	B2-U0-G0
CCT (Kelvin)	5,000	4,000	3,000	5,000	4,000	3,000	5,000	4,000	3,000	5,000	4,000	3,000
CRI (Color Rendering Index)	70	70	70	70	70	70	70	70	70	70	70	70
Power Consumption (Watts)	12W	12W	12W	18W	18W	18W	26W	26W	26W	38W	38W	38W

NOTES: 1 Includes shield and visor. **2** B.U.G. Rating does not apply to floodlighting.

LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (72,000 Hours)	Theoretical L70 (Hours)
XTOR1B Model		
25°C	> 90%	255,000
40°C	> 89%	234,000
50°C	> 88%	215,000
XTOR2B Model		
25°C	> 89%	240,000
40°C	> 88%	212,000
50°C	> 87%	196,000
XTOR3B Model		
25°C	> 89%	240,000
40°C	> 88%	212,000
50°C	> 87%	196,000
XTOR4B Model		
25°C	> 89%	222,000
40°C	> 87%	198,000
50°C	> 87%	184,000



CURRENT DRAW

Voltage	Model Series			
	XTOR1B	XTOR2B	XTOR3B	XTOR4B
120V	0.103A	0.15A	0.22A	0.34A
208V	0.060A	0.09A	0.13A	0.17A
240V	0.053A	0.08A	0.11A	0.17A
277V	0.048A	0.07A	0.10A	0.15A
347V	0.039A	0.06A	0.082A	0.12A

ORDERING INFORMATION

Sample Number: XTOR2B-W-WT-PC1

Series [1]	**LED Kelvin Color**	**Housing Color**	**Options** (Add as Suffix)	**Accessories** (Order Separately)
XTOR1B=Small Door, 12W **XTOR2B**=Small Door, 18W **XTOR3B**=Small Door, 26W **XTOR4B**=Medium Door, 38W	**[Blank]**=Bright White (Standard), 5000K **W**=Neutral White, 4000K **Y**=Warm White, 3000K	**[Blank]**=Carbon Bronze (Standard) **WT**=Summit White **BK**=Black **BZ**=Bronze **AP**=Grey **GM**=Graphite Metallic **DP**=Dark Platinum	**PC1**=Photocontrol 120V [2] **PC2**=Photocontrol 208-277V [2,3] **347V**=347V [4] **HA**=50°C High Ambient [4]	**WG/XTOR**=Wire Guard [5] **XTORFLD-KNC**=Knuckle Floodlight Kit [6] **XTORFLD-TRN**=Trunnion Floodlight Kit [6] **XTORFLD-KNC-WT**=Knuckle Floodlight Kit, Summit White [6] **XTORFLD-TRN-WT**=Trunnion Floodlight Kit, Summit White [6] **EWP/XTOR**=Escutcheon Wall Plate, Carbon Bronze **EWP/XTOR-WT**=Escutcheon Wall Plate, Summit White

NOTES:
1. DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details.
2. Photocontrols are factory installed.
3. Order PC2 for 347V models.
4. Thru-branch wiring not available with HA option or with 347V. XTOR3B not available with HA and 347V or 120V combination.
5. Wire guard for wall/surface mount. Not for use with floodlight kit accessory.
6. Floodlight kit accessory supplied with knuckle (KNC) or trunnion (TRN) base, small and large top visors and small and large impact shields.

STOCK ORDERING INFORMATION

12W Series	**18W Series**	**26W Series**	**38W Series**
XTOR1B=12W, 5000K, Carbon Bronze	**XTOR2B**=18W, 5000K, Carbon Bronze	**XTOR3B**=26W, 5000K, Carbon Bronze	**XTOR4B**=38W, 5000K, Carbon Bronze
XTOR1B-WT=12W, 5000K, Summit White	**XTOR2B-W**=18W, 4000K, Carbon Bronze	**XTOR3B-W**=26W, 4000K, Carbon Bronze	**XTOR4B-W**=38W, 4000K, Carbon Bronze
XTOR1B-PC1=12W, 5000K, 120V PC, Carbon Bronze	**XTOR2B-WT**=18W, 5000K, Summit White	**XTOR3B-WT**=26W, 5000K, Summit White	**XTOR4B-WT**=38W, 5000K, Summit White
XTOR1B-W=12W, 4000K, Carbon Bronze	**XTOR2B-PC1**=18W, 5000K, 120V PC, Carbon Bronze	**XTOR3B-PC1**=26W, 5000K, 120V PC, Carbon Bronze	**XTOR4B-PC1**=38W, 5000K, 120V PC, Carbon Bronze
	XTOR2B-W-PC1=18W, 4000K, 120V PC, Carbon Bronze	**XTOR3B-W-PC1**=26W, 4000K, 120V PC, Carbon Bronze	**XTOR4B-W-PC1**=38W, 4000K, 120V PC, Carbon Bronze
	XTOR2B-347V=18W, 5000K, Carbon Bronze, 347V	**XTOR3B-347V**=26W, 5000K, Carbon Bronze, 347V	**XTOR4B-347V**=38W, 5000K, Carbon Bronze, 347V
	XTOR2B-WT-PC1=18W, 5000K, 120V PC, Summit White	**XTOR3B-PC2**=26W, 5000K, 208-277V PC, Carbon Bronze	