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## Planning Commission Staff Report

Meeting Date: June 10<sup>th</sup>, 2024

From: Alyssa Ahner, Senior Planner

Location: 760 N. Trade Center Blvd.

Description: Terra Corporate Park, Lot 4: A Site Development Section Plan, Landscape Plan, Lighting Plan, and Architectural Elevations for a 4.09-acre tract of land located south of Long Road Crossing Drive, north of Chesterfield Airport Road, and east of N. Trade Center Boulevard (Ward 4).

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### PROPOSAL SUMMARY

Stock & Associates Consulting Engineers, on behalf of Ari Properties, LLC, has submitted a Site Development Section Plan, Landscape Plan, Lighting Plan, and Architectural Elevations for a proposed 50,997 square foot fulfillment center on an undeveloped tract of land.



Figure 1: Subject Site

### RELEVANT HISTORY OF SUBJECT SITE

1978: Subdivision zoned M-3 Planned Industrial.

2001: Subdivision rezoned from "M-3" to "PI" Planned Industrial.

2006-2007: Subdivision Planned Industrial District amended twice to revise development criteria and a record plat (Terra Corporate Park) was approved to establish nine (9) lots.

2022: First development in Terra Corporate Park was approved and constructed (Scooter's Coffee).

### STAFF ANALYSIS

#### A. Site Relationships

The subject site is largely surrounded by undeveloped land. As previously mentioned in the site history, the first development in Terra Corporate Park was approved in 2022 (Scooter's Coffee). The proposed development would be the second lot to be developed. *Figure 2* depicts the surrounding area and a few of the existing uses. The zoning for this subdivision allows a vast array of uses (both industrial and commercial) and has a maximum building height limit of 45'.

The proposed building is approximately 51,000 square feet and 36' feet in height at the roofline. A parapet would continue upward to a height of approximately 45' to aid in the screening of rooftop mechanical equipment.



Figure 2: Surrounding existing uses

#### B. Circulation, Parking, and Access

An Amended Site Development Concept Plan for the entirety of the subdivision was approved in 2007 and the proposed development adheres to it in regards to access. The development would have one shared driveway on the southern portion of the lot and one additional access in the northeast corner of the site. The southern access would be shared between Lot 4, 5, 6 once developed as depicted in *Figure 3* on the next page. A cross access easement is required to be executed and recorded during the improvement plan process.

The proposed parking area may be seen adjacent to N. Trade Center Blvd frontage on the west while the eastern portion of the site is reserved for a 4' high loading dock to accommodate trucks and deliveries. The parking calculations have been broken down between the "Warehouse, general" and the "Office, general" use and the development requires a minimum of forty-five (45) parking spaces. A total of fifty-five (55) spaces are proposed. Similar to other industrial areas in Chesterfield, the roads in this subdivision do not have curb thus the sidewalk is to be set



Figure 3: Circulation and access components

back from the roadway to provide for pedestrian safety. *Figure 3* depicts the proposed ADA accessible sidewalk along the entirety of the lot frontage. Any future development in this area will be required to adhere to the same sidewalk design.

C. Topography

The site is generally flat. However, with any development located within the Special Flood Hazard Area, structures must be elevated a minimum of two (2) feet above the base flood elevation. Long Road Crossing Drive and N. Trade Center Blvd. sit at an elevation of approximately 454-455. The finish floor elevation of the proposed building will be 460.

One (1) retaining wall will be required along the sidewalk on N. Trade Center Blvd. The proposed wall will range from 0' to 7' and is to be constructed of Versa-Lok Concrete Masonry Unit's (CMU's) in a "Timberwood Blend" color. The tallest portion of the wall located towards the northwest corner of the site will be accompanied by evergreen shrubs and a black pedestrian guardrail. The CMU and the pedestrian guardrail example may be seen in *Figure 4*.



Figure 4: CMU (left), Guardrail (right)

D. Materials & Design

The one-story design building would be constructed of concrete tilt-up panels and painted a variation of five (5) different colors as depicted in *Figure 5*. The exact locations of each color may be found in the applicant's attached color elevations.

The southwest corner of the building, which would be seen as traffic travels north on N. Trade Center Blvd from Chesterfield Airport Road, would feature accents of Cultured Stone in a "Aspen" color at the base (*Figure 6*). The Cultured Stone accents would be broken up by a series of storefront windows. The glass for the windows is detailed as "Solarban Gray + Clear". The framing would be an anodized aluminum in dark bronze which is also the color proposed for the prefinished metal parapet cap and the prefinished metal downspouts/scuppers.



Figure 5: Proposed tilt-up concrete paint colors

Clerestory windows have been incorporated just below the roofline in addition to strategically placed knock out panels should more windows be desired in the future. Per the applicant, the "knockout areas are shown accented by a darker tone paint to also provide articulation to the taller walls of this building". The proposed trash enclosure, located on the eastern loading dock, would be constructed of Best Block CMU's in a "Ivory" color (*Figure 7*). The gate would be a Trex Enhance Composite Decking in a "Rocky Harbor" color.



Figure 6: Cultured stone



Figure 7: "Ivory" CMU

**E. Landscape Design and Screening**

The site requires a minimum of 30% openspace. 30.66% openspace is proposed and includes the City required street trees, landscaped parking islands and monument signs, and the bio-retention areas found along the eastern property line. The bio-retention would include plantings per MSD requirements. The applicant is also proposing trees/shrubs of the evergreen variety on the north and south perimeter of the loading dock to aid in year-round screening of both the dock and the trash enclosure. *Figure 8* depicts a few of these referenced areas. The full landscape plan may be found in the applicant's attached packet.



Figure 8: Landscape components

**F. Lighting**

There are five (5) light poles and fourteen (14) wall packs proposed around the site. Three (3) street lights, as required, are also included with this proposal. The cutsheets for the lighting fixtures in addition to a photometric plan may be found in the attached packet. The proposed fixtures are commonly used in adjacent subdivisions.

**ARCHITECTURAL REVIEW BOARD**

This project was reviewed at the May 9<sup>th</sup>, 2024 Architectural Review Board meeting. A motion to recommend approval with one condition passed by a vote of 6-0. The condition has been provided below:

- The west elevation colors be simplified on the inset building sections.

The applicant subsequently submitted revised elevations to Staff addressing the condition. *Figure 9* depicts the west elevation that was initially submitted and *Figure 10* depicts the recently revised west elevation.

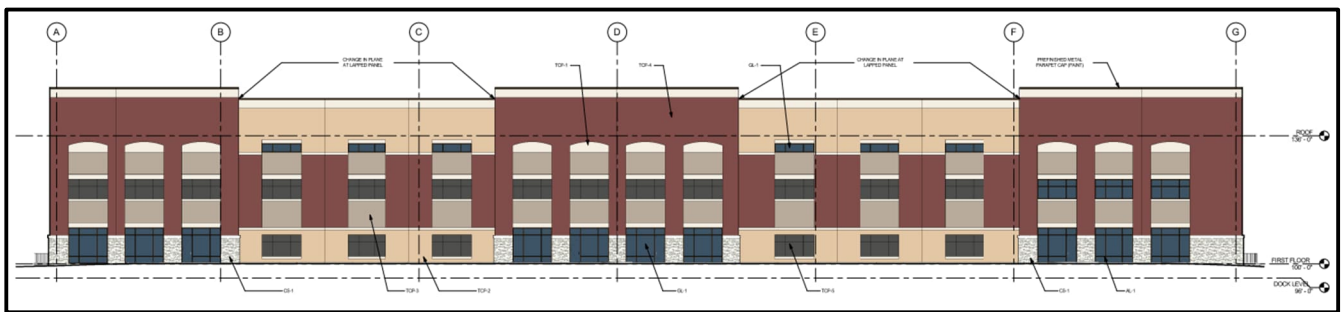


Figure 9: Initial west elevation.

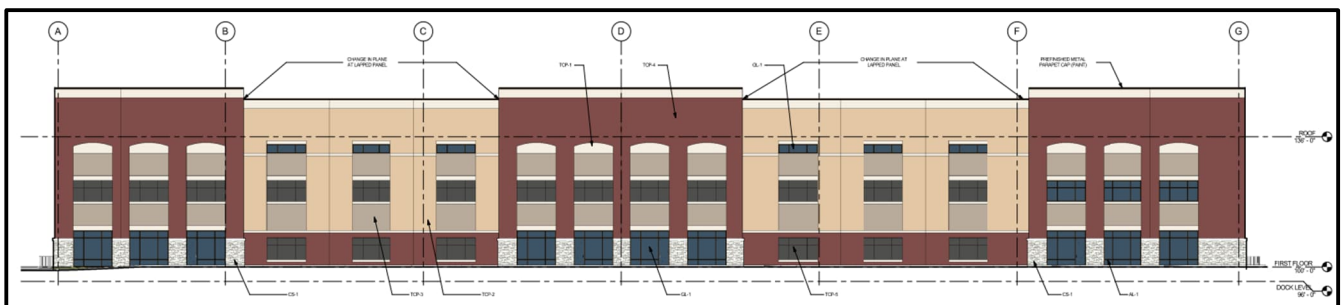


Figure 10: Revised west elevation.

PROPOSED RENDERING



DEPARTMENT INPUT

Staff has reviewed the Site Development Section Plan, Landscape Plan, Lighting Plan, and Architectural Elevations and found that it meets the requirements to be presented to the Planning Commission for review. Staff recommends action.

MOTION

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

“I move to approve the Site Development Section Plan, Landscape Plan, Lighting Plan, and Architectural Elevations for Terra Corporate Park, Lot 4 as presented.”

“I move to approve the Site Development Section Plan, Landscape Plan, Lighting Plan, and Architectural Elevations for Terra Corporate Park, Lot 4 with the following conditions...”

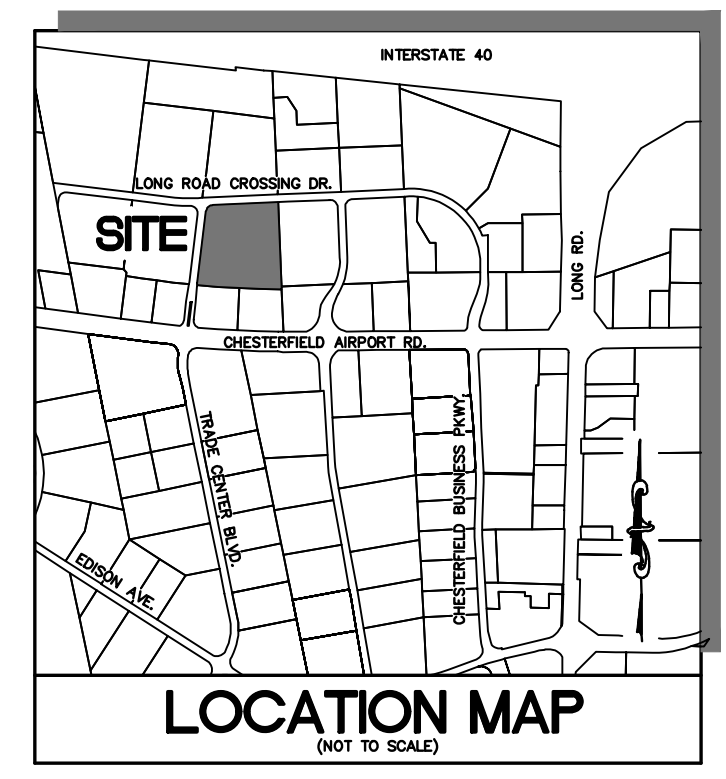
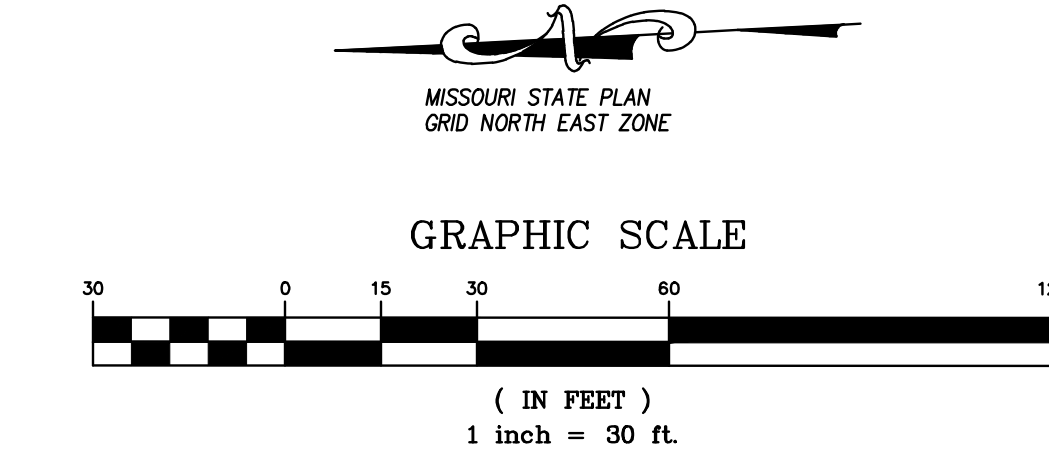
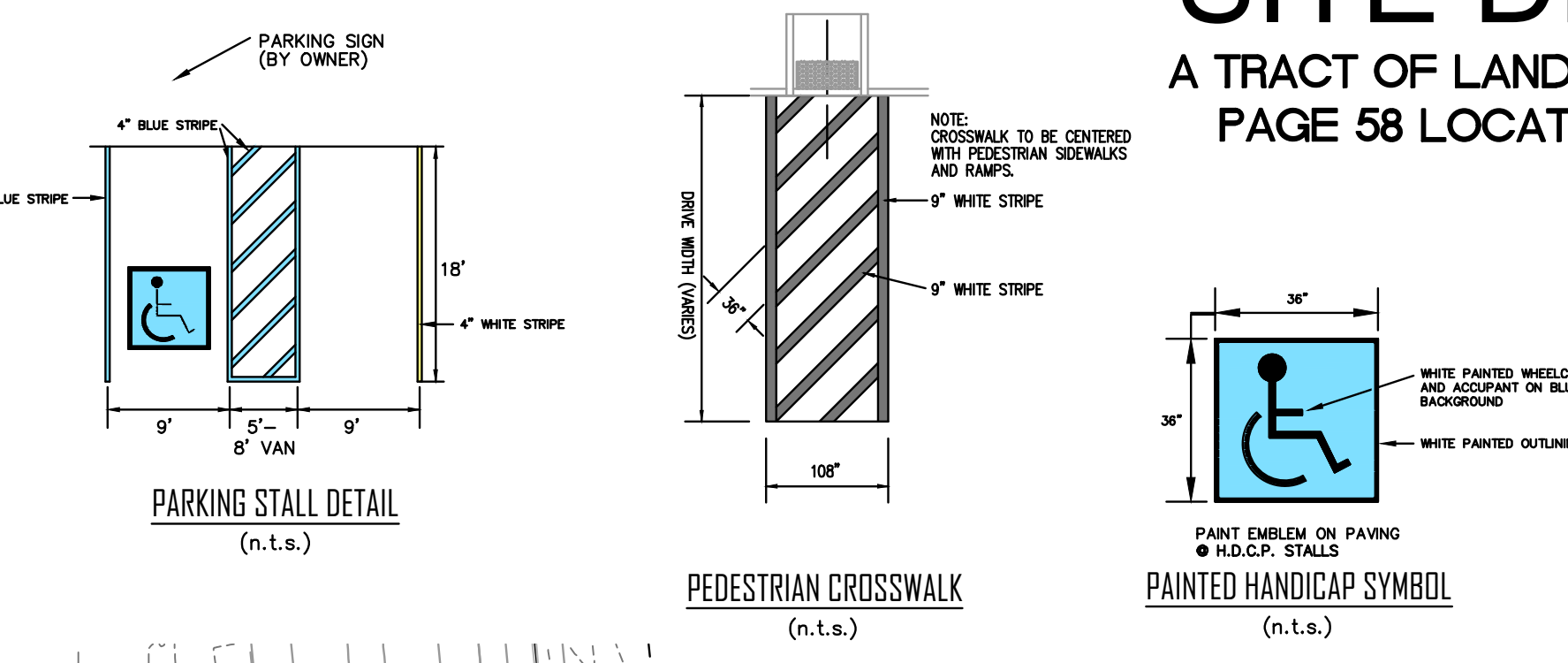
Attachments:

1. Applicant Submittal Packet

# SITE DEVELOPMENT SECTION PLAN

A TRACT OF LAND BEING LOT 4 OF TERRA CORPORATE PARK AS RECORDED IN PLAT BOOK 355, PAGE 58 LOCATED IN TOWNSHIP 45 NORTH, RANGE 3 EAST OF THE 5TH PRINCIPAL MERIDIAN CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI

- ### LEGEND
- BENCH MARK
  - FOUND IRON ROD
  - RIGHT OF WAY MARKER
  - UTILITY POLE
  - SUPPORT POLE
  - UTILITY POLE WITH LIGHT
  - CLEAN OUT
  - LIGHT STANDARD
  - ELECTRIC METER
  - ELECTRIC MANHOLE
  - ELECTRIC PEDESTAL
  - ELECTRIC SPICE BOX
  - ELECTRIC BREAKER
  - FIRE HYDRANT
  - FIRE DEPARTMENT CONNECTION
  - WATER MANHOLE
  - WATER METER
  - WATER VALVE
  - POST INDICATOR VALVE
  - STORM MANHOLE
  - GRATED MANHOLE
  - STORMWATER INLET
  - GRATED STORMWATER INLET
  - SANITARY MANHOLE
  - GAS DRIP
  - GAS METER
  - GAS VALVE
  - TELEPHONE MANHOLE
  - TELEPHONE PEDESTAL
  - TELEPHONE SPURCE BOX
  - CABLE TV PEDESTAL
  - BUSH
  - TRAFFIC SIGNAL
  - PARKING METER
  - STREET SIGN
  - SPRINKLER
  - MAIL BOX



- ### LINE TYPE LEGEND
- EX CONT MAR
  - EX CONT MAR
  - TREE LINE
  - FEMA ELEV
  - FEMA LIMIT
  - PAVEMENT
  - WALL
  - GUARD RAIL
  - CHAINLINK/WIRE FENCE
  - WOOD/WYRE FENCE
  - GAS
  - UNDER GROUND ELEC
  - OVERHEAD ELEC
  - TELEPHONE LINE
  - FIBER OPTIC LINE
  - WATERLINE
  - FLOODWAY
  - SLOPE/LEVEE
- ### ABBREVIATIONS
- C.D. - CLEANED
  - D.B. - DEED BOOK
  - E.C. - ELECTRIC
  - F.L. - FLOWLINE
  - FL - FLOWLINE
  - FND. - FOUND
  - M.H. - MANHOLE
  - N.F. - NOW OR FORMERLY
  - P.B. - PLAT BOOK
  - R.S. - ROAD BEARING
  - P.V.C. - POLYVINYL CHLORIDE PIPE
  - R.C.P. - REINFORCED CONCRETE PIPE
  - S.C. - SQUARE
  - T.C. - TELEPHONE CABLE
  - V.C.P. - VERIFIED CLAY PIPE
  - W. - WATER
  - W. - RIGHT-OF-WAY WIDTH
  - D.E. - DEED
  - D.B. - DEED BOOK
  - E.C. - ELECTRIC
  - F.L. - FLOWLINE
  - FL - FLOWLINE
  - FND. - FOUND
  - M.H. - MANHOLE
  - N.F. - NOW OR FORMERLY
  - P.B. - PLAT BOOK
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  - S.C. - SQUARE
  - T.C. - TELEPHONE CABLE
  - V.C.P. - VERIFIED CLAY PIPE
  - W. - WATER
  - W. - RIGHT-OF-WAY WIDTH

### GENERAL NOTES

- BOUNDARY AND TOPOGRAPHICAL SURVEY BY STOCK AND ASSOCIATES CONSULTING ENGINEERS, INC.(BASIS OF BEARINGS: MISSOURI STATE PLAN, GRID NORTH)
- GRADING & STORM WATER PER THE CITY OF CHESTERFIELD, THE ST. LOUIS COUNTY DEPARTMENT OF HIGHWAYS AND TRAFFIC AND MSD.
- SUBJECT PROPERTY LIES WITHIN FLOOD ZONE SHADY X (AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES (FLOOD) AND FLOOD ZONE AH (ELEVATION 454, FLOOD DEPTHS OF 1 TO 3 FEET, USUALLY AREAS OF PONDS) ACCORDING TO THE NATIONAL FLOOD INSURANCE RATE MAP NUMBER 29188001658 WITH EFFECTIVE DATE OF 2/4/2015.
- THE REGULATORY 100YR WATER SURFACE ELEVATION FOR SITE IS CONTROLLED BY THE CHESTERFIELD VALLEY STORM WATER MASTER PLAN MODEL, THE LOWEST FLOOR OF ANY BUILDING NEEDS TO BE AT LEAST 1 FOOT ABOVE THE ELEVATION OF THE 100YR WATER SURFACE OF ANY CHANNEL, WITHIN 200 FEET OF THE BUILDING FOOTPRINT. THE 100YR HIGH WATER ELEVATION IS 453.45 IN THE TRENCH ALONG THE EAST PROPERTY LINE.
- 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. SHOULD ANY CONFLICTS BE EVIDENT, THE CONTRACTOR SHALL NOTIFY THE OFFICE OF THE ENGINEER IMMEDIATELY.
- ARCHITECTURAL ELEVATIONS, SITE LANDSCAPING PLANS, SITE LIGHTING PLANS AND SITE SIGNAGE PLANS SHALL BE SUBMITTED TO THE CITY OF CHESTERFIELD AS INDIVIDUAL LOTS ARE DEVELOPED ON THEIR SITE DEVELOPMENT SECTION PLAN.
- ON-SITE STORM WATER DRAINAGE REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE CHESTERFIELD VALLEY MASTER STORM WATER DRAINAGE PLAN AND AS DIRECTED BY THE CITY OF CHESTERFIELD.
- OFF-SITE GRADING EASEMENTS, IF REQUIRED, SHALL BE EXECUTED AND RECORDED PRIOR TO THE COMMENCEMENT OF ANY OFF-SITE GRADING.
- CROSS-ACCESS EASEMENTS WHERE REQUIRED, SHALL BE EXECUTED AND RECORDED AS INDIVIDUAL LOTS ARE DEVELOPED.
- NO TREES AND LANDSCAPING MAY BE LOCATED WITHIN THE HIGH-WATER LIMITS OF THE CHESTERFIELD VALLEY MASTER STORM WATER DRAINAGE DITCHES.
- ALL BUILDINGS AND ROADWAYS SHALL BE ELEVATED A MINIMUM 1 FOOT ABOVE THE MAX. HIGH-WATER ELEVATION IN THE CHESTERFIELD MASTER MODEL.
- ALL PROPOSED IMPROVEMENTS SHALL BE CONSTRUCTED TO ST. LOUIS COUNTY, M&D, MSD AND THE CITY OF CHESTERFIELD STANDARDS.
- ALL GRADING AND DRAINAGE TO BE IN CONFORMANCE WITH THE ST. LOUIS COUNTY, MSD AND CITY OF CHESTERFIELD STANDARDS.
- STORM WATER SHALL BE DISCHARGED AT AN ADEQUATE NATURAL DISCHARGE POINT. SINHOLES ARE NOT ADEQUATE DISCHARGE POINTS.
- AN ELEVATION CERTIFICATE WILL NEED TO BE COMPLETED FOR ANY STRUCTURE LOCATED WITHIN THE SUPPLEMENTAL PROTECTION AREA (SPA) AS DEFINED BY SECTION 405.05, FLOOD DAMAGE PREVENTION, OF THE CITY CODE.
- A SIGN PACKAGE IS REQUIRED FOR THIS DEVELOPMENT AND MUST BE APPROVED BY THE PLANNING COMMISSION.
- LIGHT FIXTURES SHALL NOT EXCEED 20 FEET IN HEIGHT WHEN MOUNTED ON POLES.
- THE MAXIMUM HEIGHT OF THE BUILDING, EXCLUSIVE OF ROOF SCREENING, SHALL NOT EXCEED THREE (3) STORES OR FORTY-FIVE (45) FEET (AS MEASURED FROM EXISTING GRADE, WHICHEVER IS LESS).
- SUBJECT PROPERTY IS ZONED PI PLANNED INDUSTRIAL DISTRICT, CITY OF CHESTERFIELD ORDINANCE #2395.
- STRUCTURE SETBACKS:  
 NO BUILDING OR STRUCTURE, OTHER THAN A PREEXISTING PROJECT IDENTIFICATION SIGN, BOUNDARY AND RETAINING WALLS, LIGHT STANDARDS, FLAG POLES OR FENCES WILL BE LOCATED WITHIN THE FOLLOWING SETBACKS:  
 THIRTY (30) FEET FROM THE EAST AND WEST PROPERTY LINES OF THIS DEVELOPMENT.  
 THIRTY (30) FEET FROM THE RIGHT-OF-WAY FROM PRINCIPAL INTERNAL STREETS.  
 FIFTEEN (15) FEET FROM INTERNAL LOT LINES IN THIS DEVELOPMENT.
- PARKING SETBACKS:  
 NO PARKING STALL, LOADING SPACE, INTERNAL DRIVEWAY, OR ROADWAY, EXCEPT POINTS OF INGRESS OR EGRESS, WILL BE LOCATED WITHIN THE FOLLOWING SETBACKS:  
 THIRTY (30) FEET FROM THE EAST AND WEST PROPERTY LINES OF THIS DEVELOPMENT.  
 TEN (10) FEET FROM INTERNAL PROPERTY LINES WITH THE EXCEPTION OF SHARED DRIVEWAYS.  
 FIFTEEN (15) FEET FROM THE PRINCIPAL INTERNAL STREET.
- PARKING CALCULATIONS:  
 GROSS FLOOR AREA = 51,057 S.F.

	MIN.	MAX.
TENANT 1 = 6,636 S.F.		
OFFICE: (6,636) MIN 3.3/1000 (MAX 4.5/1000)	22 SPACES	30 SPACES
TENANT 2 = 44,421 S.F.		
OFFICE: (4,560) MIN 3.3/1000 (MAX 4.5/1000)	15 SPACES	21 SPACES
WAREHOUSE: (24 EMPLOYEES)	8 SPACES	29 SPACES
MIN 2/3 EMP (1.2/1 EMP)		
REQUIRED SPACES:		
PROVIDED SPACES: 55 SPACES		80 SPACES
PROVIDED LOADING: 5 SPACES (3 REQ. PER TABLE A)		

24. FLOOR AREA RATIO:  
 TOTAL FLOOR SPACE/LOT AREA  
 BUILDING = 51,057 S.F.  
 51,057 / 178,276 = 0.28 F.A.R.



Components	Residential Series	Commercial Series	Industrial Series
Pickets	1/2" sq x .050	1/2" sq x .055	1" sq x .082
Light Commercial Picket	1" x 3/8" x .050	1 1/4" x .088	1 1/4" x .088
Rails	1 1/2" x .082	1 1/2" x .085	1 1/2" x .070
Side Wall	1 1/2" x .080	2" sq x .080	2 1/2" sq x .100
Standard Posts	2" sq x .080	2" sq x .125	3" sq x .125
	2 1/2" sq x .125	2 1/2" sq x .100	3" sq x .125
	2 1/2" sq x .100	3" sq x .125	3" sq x .125
	2 1/2" sq x .125	3" sq x .125	3" sq x .125
	2 1/2" sq x .100	4" sq x .125	4" sq x .125
	3" sq x .125	3" sq x .125	3" sq x .125
Picket Spacing	3" sq x .125	3" sq x .125	3" sq x .125
	1 1/2" optional	1 1/2" optional	1 1/2" optional
Post Spacing	72" sq on center	72" sq on center	72" sq on center
	8" wide optional	8" wide optional	8" wide optional
Heights Available	36" 42" 48"	36" 42" 48"	36" 42" 48"
	54" 60" 72"	54" 60" 72"	84" 96" 108" 120"

### Colors

Our special Ultra Powercoat™ finish is resistant to harsh weather and heat.

Glass Black	GB
Textured Black	TB
Gloss Bronze	BR
Textured Bronze	TZ
Gloss Beige	BE
Textured Khaki	TK
Gloss White	WH
Textured White	TW
Gloss Green	GR
Silver (RAL1000)	SI

Colors shown represent an approximate comparison and may vary slightly from actual product color.

### GEOTECHNICAL ENGINEER'S STATEMENT

Midwest Testing, at the request of Contegra Construction Company has provided geotechnical services for the project proposed hereon. A geotechnical investigation titled "Geotechnical Exploration, Amini's Fulfillment Center, Chesterfield, Missouri", April 16, 2024, Midwest No. 15883. Our findings indicate that the earth-related aspects are suitable for the development proposed pursuant to the geotechnical recommendations set forth in our Geotechnical Report.

Engineer: *[Signature]*  
 Date: 04-22-24

### SURVEYOR CERTIFICATE

This is to certify that Stock & Associates Consulting Engineers, Inc. has prepared this Site Development Section Plan from an actual survey. The information shown is a correct representation of all existing and proposed land divisions.

STOCK AND ASSOCIATES CONSULTING ENGINEERS, INC.  
 LC 222-D

By: *[Signature]*  
 Walter J. Pfeiffer, Missouri & L.S. No. 2687-000728

ARI PROPERTIES, LLC, the owner of the property shown on this plan for and in consideration of being granted approval of said plan to develop property under the provisions of Section 03, (applicable subsection) (present Zoning) Chesterfield Unified Development Code, do hereby agree and declare that said property from the date of recording this plan shall be developed only as shown thereon, unless said plan is amended by the City of Chesterfield, or voided or vacated by order of ordinance of the City of Chesterfield Council.

Signature: \_\_\_\_\_  
 Name: \_\_\_\_\_

State of \_\_\_\_\_ )  
 County of \_\_\_\_\_ )  
 On this \_\_\_\_\_ day of \_\_\_\_\_, A.D., 2024, before me personally appeared \_\_\_\_\_ (Official of Corporation) to me known, who, being by me sworn in, did say that he/she is the \_\_\_\_\_ (Title) of \_\_\_\_\_ (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 \_\_\_\_\_ (Official of Corporation) acknowledged said instrument to be the free act and deed of said corporation.

In testimony whereof, I have hereunto set my hand and affixed my Notarial Seal at my office in \_\_\_\_\_ (County and State) \_\_\_\_\_ the \_\_\_\_\_ day and year last above written.

My term expires \_\_\_\_\_

Notary Public

This Site Development Section Plan was approved by the City of Chesterfield and duly verified on the \_\_\_\_\_ day of \_\_\_\_\_, 2024, by the Chairperson of said Commission, authorizing the recording of this Site Development Section Plan pursuant to Chesterfield Ordinance Number 200, as attested to by the Director of Planning and the City Clerk.

Justin Wyse, AICP  
 Director of Planning  
 City of Chesterfield, Missouri

Vickie McGownd, City Clerk  
 City of Chesterfield, Missouri

PREPARED BY:

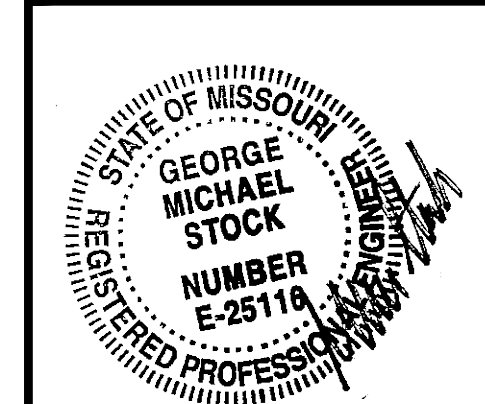
**STOCK & ASSOCIATES**  
 Consulting Engineers, Inc.

257 Chesterfield Business Parkway  
 St. Louis, MO 63005  
 PH: (636) 500-1000  
 FAX: (636) 500-1000  
 E-mail: general@stockandassociates.com  
 Web: www.stockandassociates.com

SITE DEVELOPMENT SECTION PLAN

**Amini's Fulfillment Center**

760 N. TRADE CENTER BLVD.  
 CHESTERFIELD, MO 63005



REVISIONS:

NO.	DESCRIPTION	DATE
1	City Comments	4/23/24

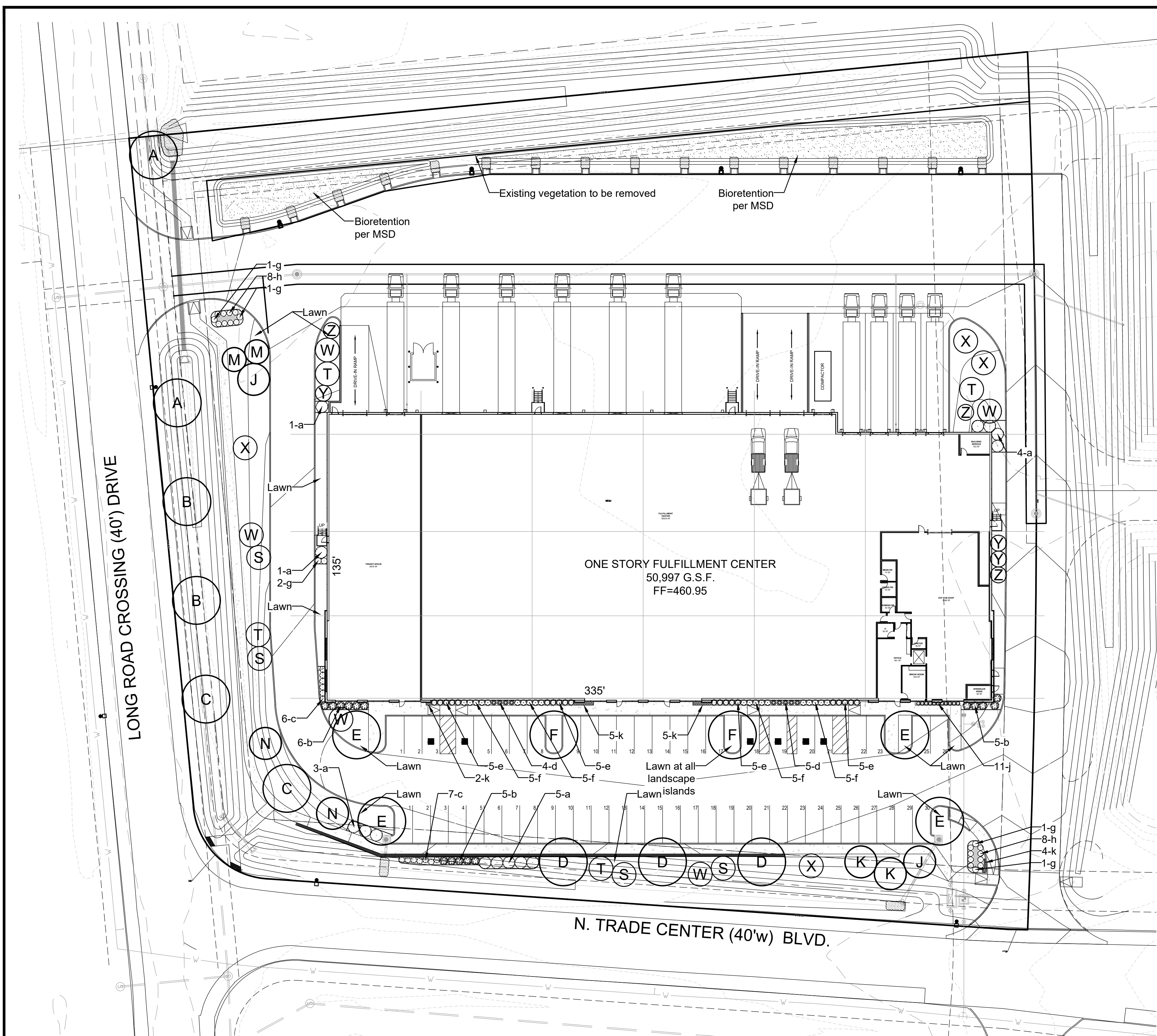
SHOWN BY: J.E.F. DECODED BY: G.M.S.  
 DATE: 03/25/24 JOB NO.: 2021-7131.1  
 VLS: 78 24MSD- BASE MAP # 17-V  
 SLC: NAF # - HRT SUP. # -  
 SHEET # NO-00  
 SHEET TITLE: SITE DEVELOPMENT SECTION PLAN  
 SHEET NO.: SD-1



Jerald Saunders - Landscape Architect  
MO License # LA-007

Consultants:

**Amini's Fulfillment Center**  
760 North Trade Center Boulevard  
Chesterfield, Missouri 63005



**General Notes** (Per City of Chesterfield Tree Preservation and Landscape Requirements):

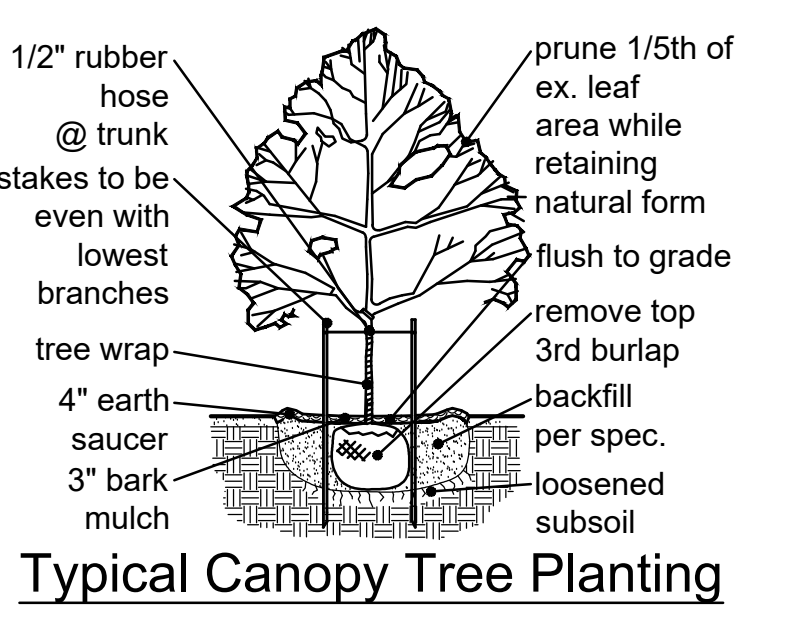
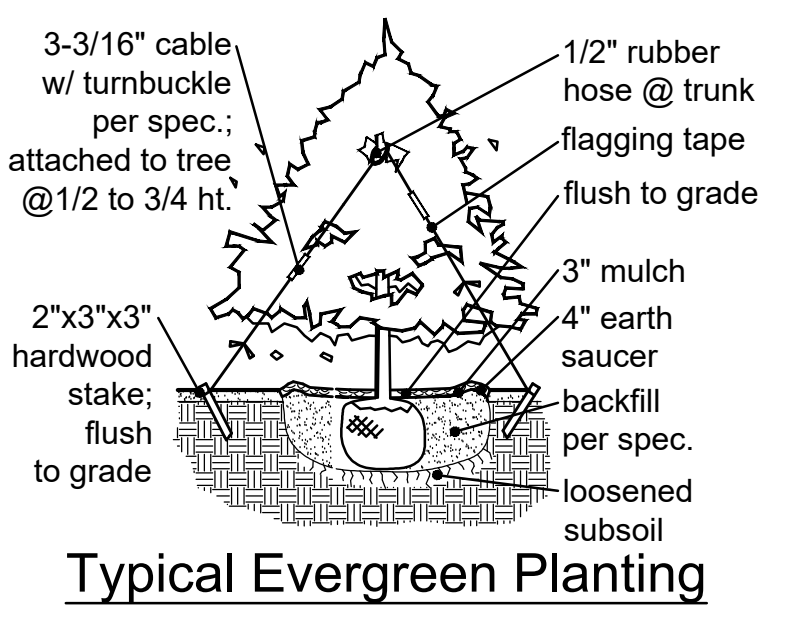
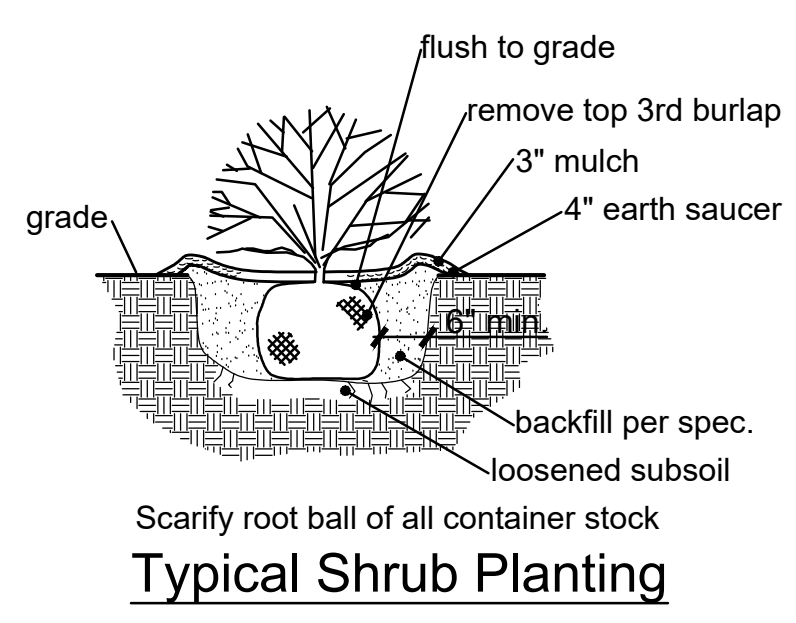
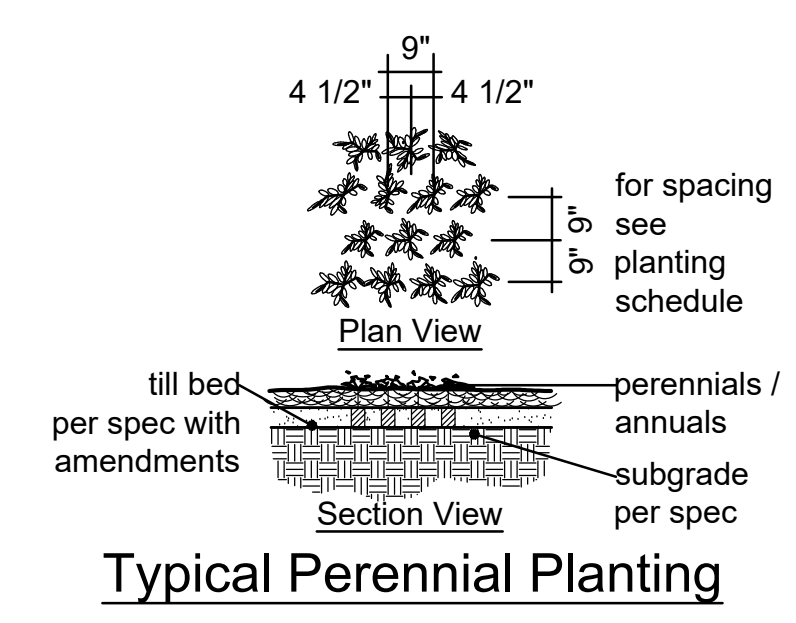
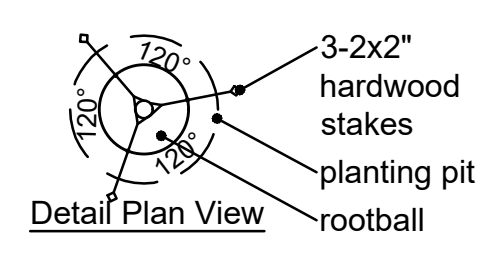
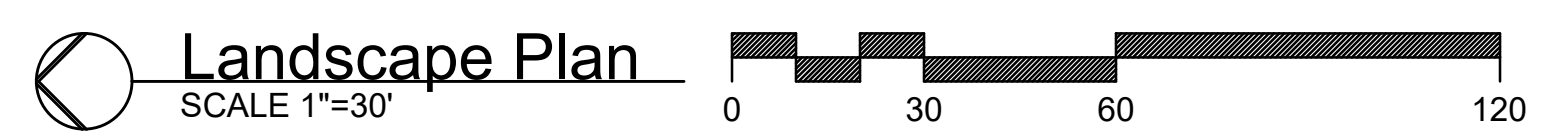
- 1) Street trees shall be located within a street right-of-way unless so approved by variance.
- 2) Street trees shall not be planted closer than three (3) feet to any curb.
- 3) Street trees shall not be placed within twenty-five (25) feet of street lights, street signs and intersections.
- 4) No trees shall be planted within ten (10) feet of street inlets or manholes.

**Landscape Notes:**

- 1) All existing volunteer trees and vegetation to be removed at proposed grading locations.
- 2) Lawn areas shall be turf-type Tall Fescue Grass or approved equivalent.
- 3) Topsoil in all disturbed lawn areas at 6" depth.
- 4) Soil mix in all shrub beds at 8" depth.
- 5) All mulch to be double ground bark mulch.
- 6) Bed edges to be spade cut.
- 7) All landscaped areas, including islands, shall be provided with mechanical, in-ground irrigation system. Contractor to provide design-build drawings for review by Landscape Architect.

**PLANTING SCHEDULE**

ID	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS	SIZE / GROWTH RATE	GROWTH RATE %
<b>CANOPY-SHADE TREE</b>							
A	2	Tilia cordata	Littleleaf Linden	2.5" caliper	B & B	Lg/Slow-M	4.35 %
B	2	Gleditsia triacanthos inermis	Honeylocust (thornless)	2.5" caliper	B & B	Lg / Fast	
C	2	Quercus bicolor	Swamp White Oak	2.5" caliper	B & B	Lg / Med	4.35 %
D	3	Quercus rubra	Northern Red Oak	2.5" caliper	B & B	Lg / M-Fast	
E	4	Acer saccharum	Sugar Maple	2.5" caliper	B & B	Lg/Slow-M	8.69 %
F	2	Acer rubrum	Red Maple	2.5" caliper	B & B	Lg. / Fast	
<b>UNDERSTORY-ORNAMENTAL TREE</b>							
J	2	Magnolia x soulangiana	Saucer Magnolia	2.5" caliper	B & B	M / Slow-M	4.35 %
K	2	Amelanchier arborea	Serviceberry	2.5" caliper	B & B	M / Slow-M	4.35 %
M	2	Magnolia stellata 'Royal Star'	Royal Star Magnolia	2.5" caliper	B & B	Sm / Med	4.35 %
N	2	Cercis canadensis	Redbud	2.5" caliper	B & B	Med / Fast	
<b>EVERGREEN TREE</b>							
S	4	Pinus strobus	White Pine	6' tall	B & B	Lg / Fast	
T	4	Picea pungens	Colorado Blue Spruce	6' tall	B & B	Med / Med	8.69 %
W	5	Picea glauca	White Spruce	6' tall	B & B	Med / Med	10.87 %
X	4	Ilex opaca	American Holly	6' tall	B & B	Lg / Slow	8.69 %
Y	3	Juniperus chinensis 'Blue Point'	Blue Point Juniper	6' tall	B & B	Sm/Slow-M	6.52 %
Z	3	Juniperus chinensis 'Keteleeri'	Keteleeri Juniper	6' tall	B & B	Sm/Slow-M	6.52 %
						<b>Total %</b>	<b>71.73 %</b>
<b>SHRUBS-ORNAMENTAL GRASSES-PERENNIALS-ANNUALS-GROUNDCOVER</b>							
a	14	Juniperus x pfitzeriana 'Sea Green'	Sea Green Juniper	18"	72" o.c.		
b	16	Ilex glabra 'Compacta'	Compact Inkberry	18"	48" o.c.		
c	13	Ilex glabra 'ILEXFARROWTRACEY'	Strongbox Inkberry Holly	18"	36" o.c.		
d	9	Hydrangea paniculata 'SMNHPK'	Fire Light Tidbit Panicle Hydrangea	18"	36" o.c.		
e	20	Hydrangea paniculata 'SMNHPSB'	Tiny Quick Fire Panicle Hydrangea	18"	36" o.c.		
f	20	Buxus x 'Green Gem'	Green Gem Boxwood	18"	36" o.c.		
g	6	Juniperus horizontalis 'Youngstown'	Youngstown Andorra Juniper	12"	36" o.c.		
h	16	Aronia melanocarpa 'UCCONAM012'	Ground Hug Chokeberry	12"	36" o.c.		
j	11	Iberis sempervirens	Candytuft	1 quart	24" o.c.		
k	16	Sedum spathulifolium 'Cape Blanco'	Cape Blanco Stonecrop	2" cell plug	24" o.c.		



Revisions:

Date	Description	No.
4/23/24	City Comments	1

Drawn: KP  
Checked: RS

**LOOMIS ASSOCIATES**  
landscape architects + planners  
750 spirit of park drive, chesterfield, missouri 63005  
t. 636-519-8668  
www.loomis-associates.com

Sheet Title: Landscape Plan  
Sheet No: **L1.01**  
Date: 3/22/24  
Job #: 1077.002

POLE FIXTURE MOUNTING HEIGHT INCLUDES BASE  
LIGHT LEVEL CALCULATED ON THE GROUND

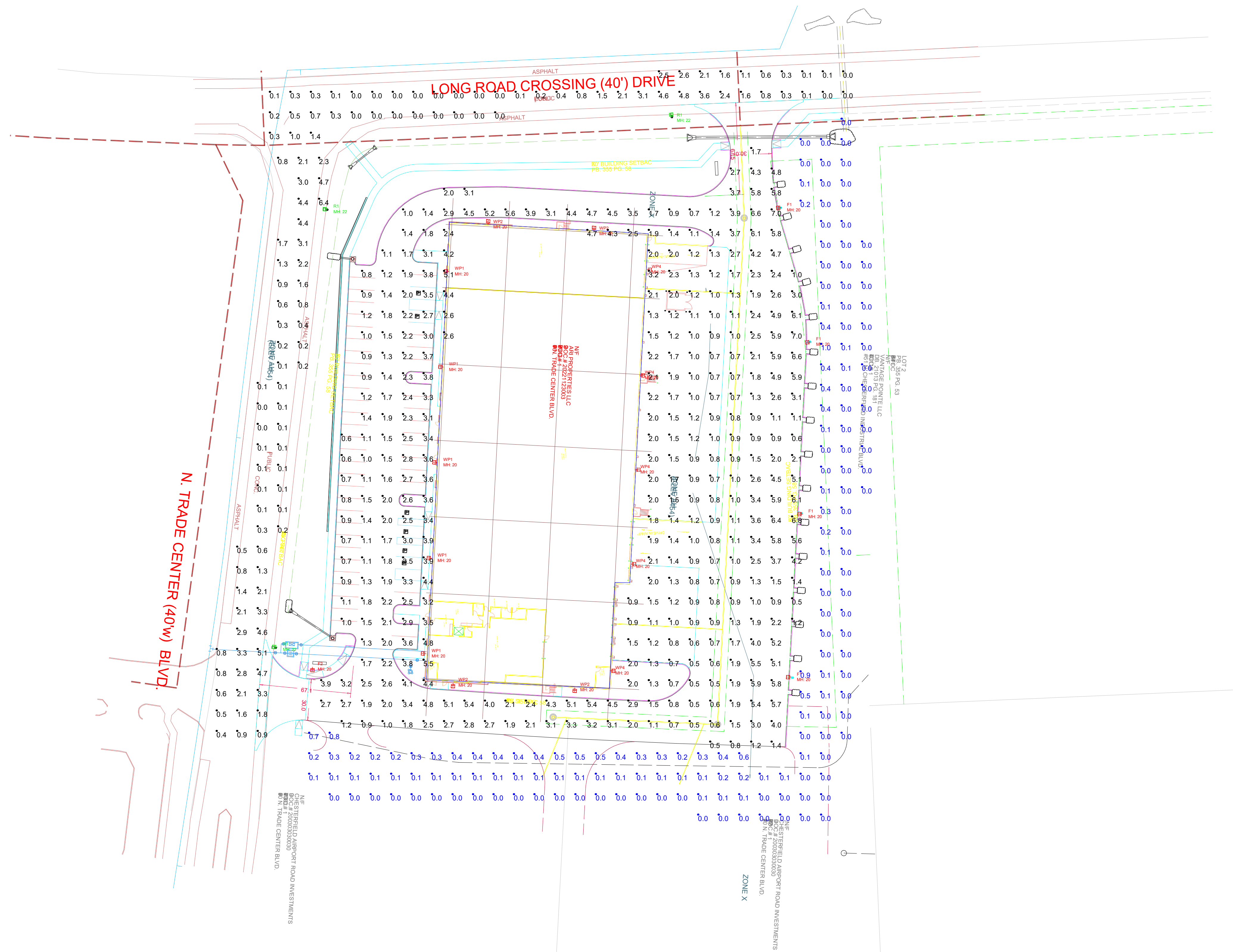
Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
LONG ROAD CROSSING	Illuminance	Fc	0.79	4.8	0.0	N.A.	N.A.
N TRADE CENTER	Illuminance	Fc	1.47	6.4	0.0	N.A.	N.A.
SITE	Illuminance	Fc	2.31	7.0	0.5	4.6	14.0
SPILL LIGHT	Illuminance	Fc	0.11	1.0	0.0	N.A.	N.A.

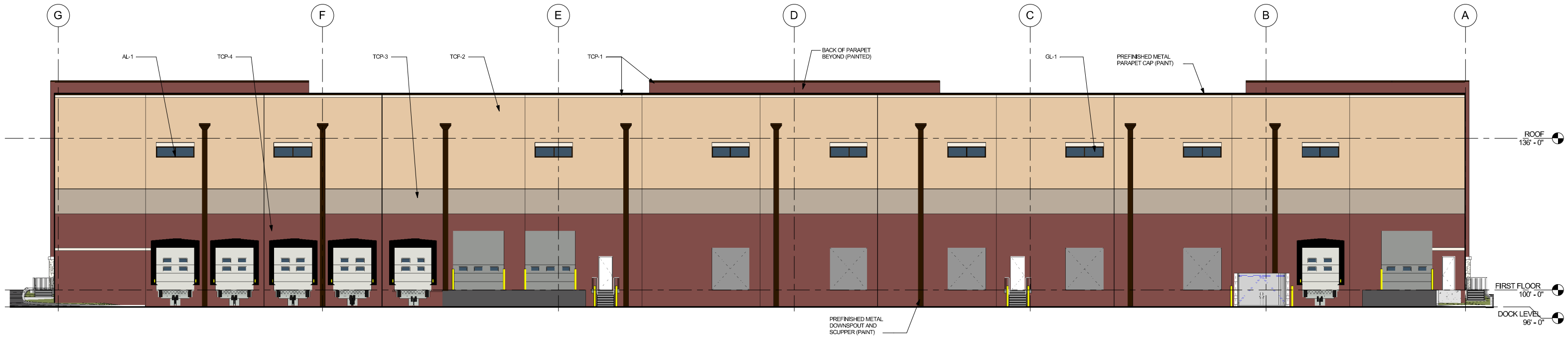
Luminaire Schedule

Symbol	Qty	Label	Arrangement	LLF	Lum. Watts	Total Watts	Description
	4	F1	Single	1.000	213	852	GALN-SA4C-740-U-T4W-HSS
	1	F2	Single	1.000	57	57	GALN-SA1C-740-U-SLL-HSS
	3	R1	Single	1.000	121	363	GALN-SA3B-740-U-T2
	5	WP1	Single	1.000	108	540	GALN-SA2C-740-U-T4FT-WM
	4	WP2	Single	1.000	108	432	GALN-SA2C-740-U-T3-WM
	5	WP4	Single	1.000	65	325	GALN-SA1D-740-U-T4FT

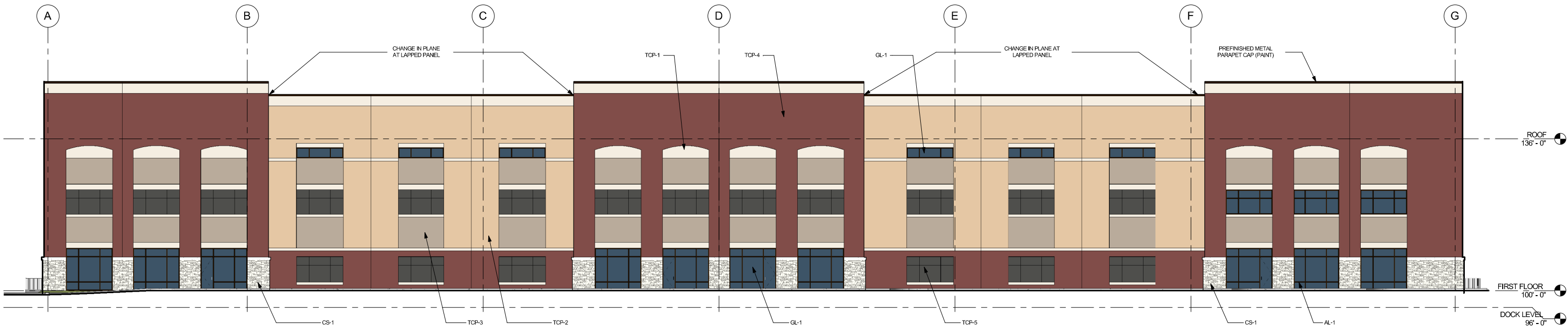
DESIGN IS BASED ON CURRENT INFORMATION PROVIDED AT THE TIME OF REQUEST.  
ANY CHANGES IN MOUNTING HEIGHT OR LOCATION, LAMP WATTAGE, LAMP TYPE AND  
EXISTING FIELD CONDITIONS, THAT EFFECT ANY OF THE PREVIOUSLY MENTIONED, WILL  
VOID CURRENT LAYOUT AND REQUIRE A CHANGE REQUEST AND RECALCULATION.







OVERALL - EAST ELEVATION  
3/32" = 1'-0"



OVERALL - WEST ELEVATION  
3/32" = 1'-0"

**MATERIAL SQUARE FOOTAGES:**

**WEST ELEVATION:**

- TCP-1 - 1,881 SQ.FT.
- TCP-2 - 3,362 SQ.FT.
- TCP-3 - 2,211 SQ.FT.
- TCP-4 - 5,282 SQ.FT.
- TCP-5 - 1,247 SQ.FT.
- CS-1 - 618 SQ.FT.
- GL-1 - 1,468 SQ.FT.

TOTAL: 16,069 SQ.FT.

**MATERIAL SQUARE FOOTAGES:**

**EAST ELEVATION:**

- TCP-1 - 320 SQ.FT.
- TCP-2 - 6,979 SQ.FT.
- TCP-3 - 2,003 SQ.FT.
- TCP-4 - 5,533 SQ.FT.
- TCP-5 - 0 SQ.FT.
- CS-1 - 0 SQ.FT.
- GL-1 - 205 SQ.FT.

TOTAL: 15,040 SQ.FT.

**AMINI'S FULFILLMENT CENTER**

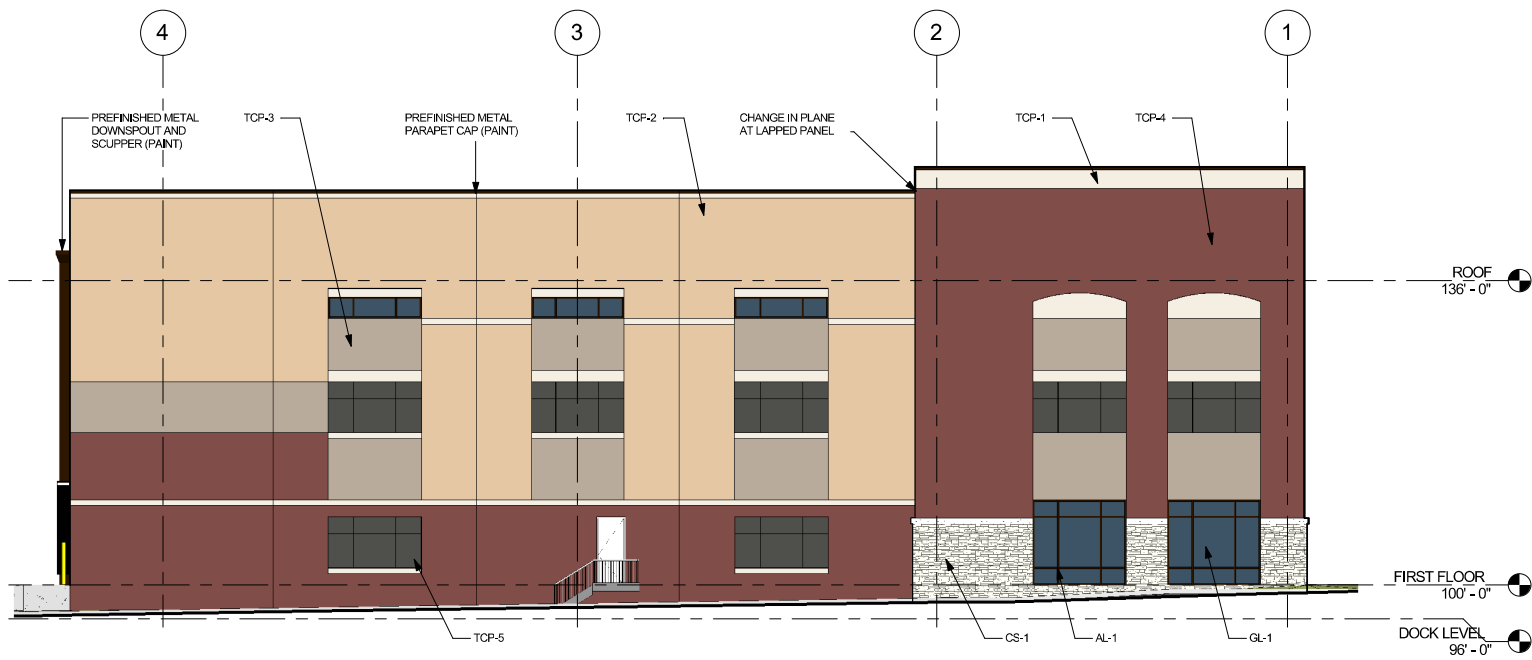
760 NORTH TRADE CENTER BOULEVARD, CHESTERFIELD, MISSOURI, 63005

EW ELEVATIONS

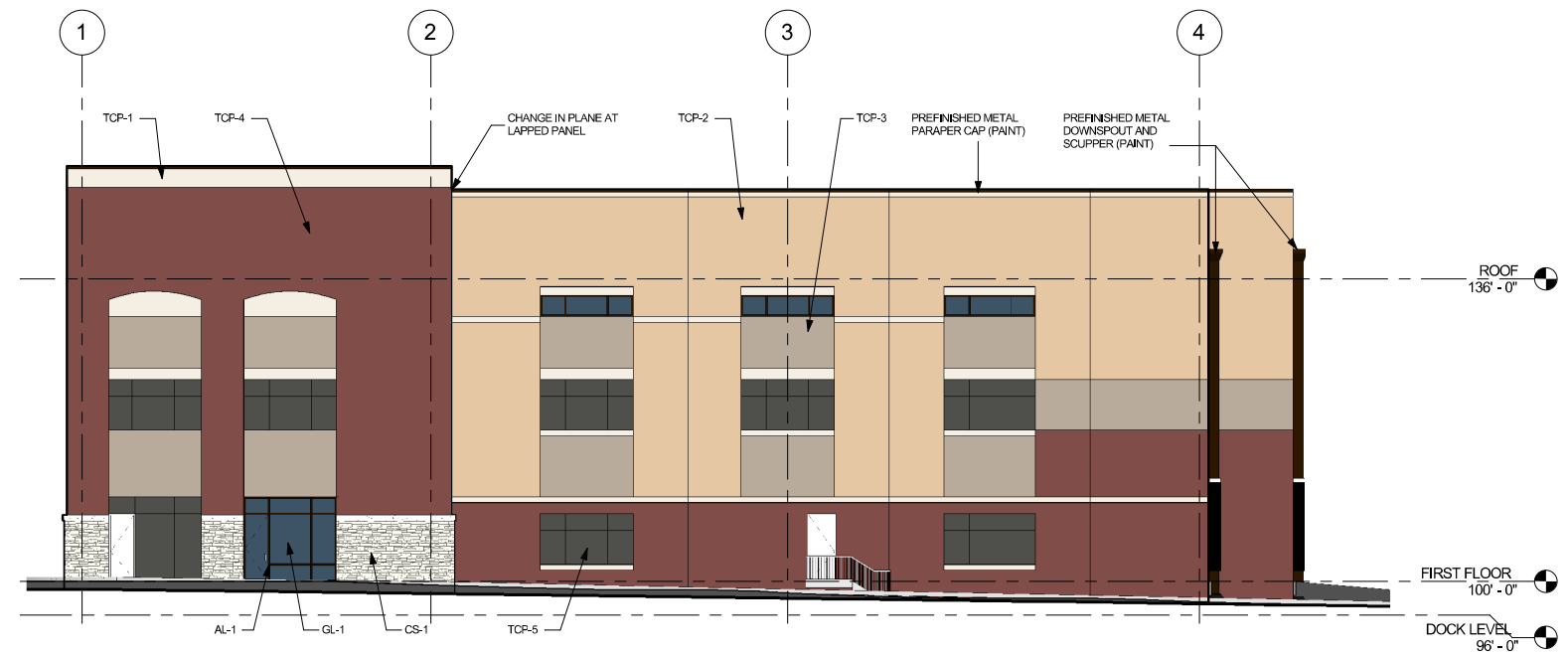
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05/28/24

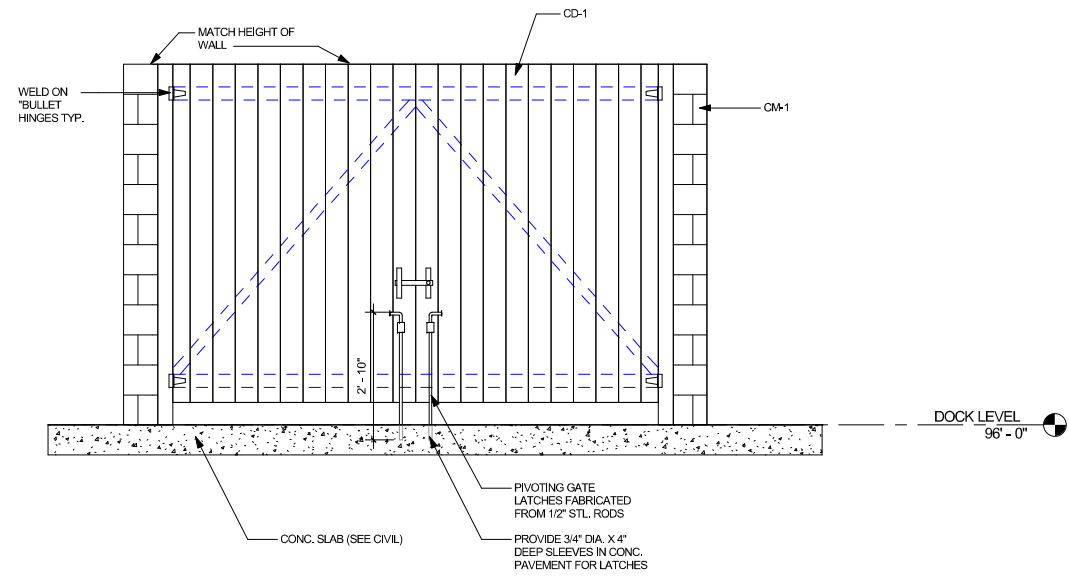




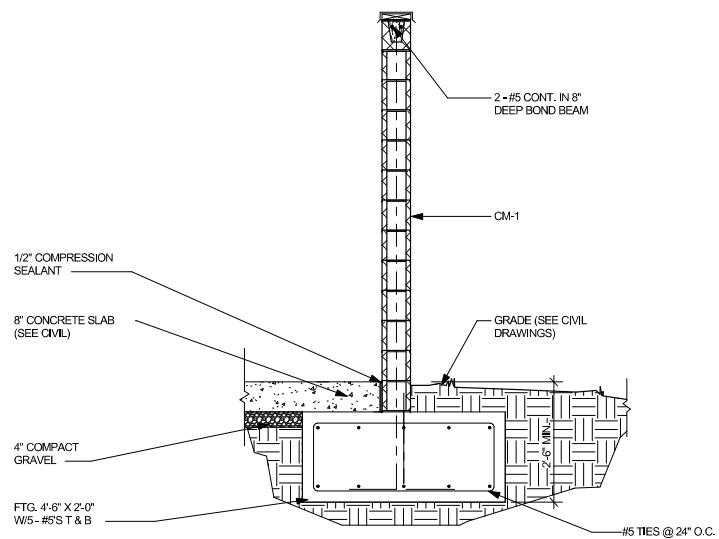
OVERALL - NORTH ELEVATION  
3/32" = 1'-0"



OVERALL - SOUTH ELEVATION  
3/32" = 1'-0"



TRASH ENCLOSURE GATE  
1/2" = 1'-0"



TRASH ENCLOSURE BRICK SECTION  
1/2" = 1'-0"

**MATERIAL SQAURE FOOTAGES:**  
**NORTH ELEVATION:**  
 TCP-1 - 465 SQ.FT.  
 TCP-2 - 2,244 SQ.FT.  
 TCP-3 - 939 SQ.FT.  
 TCP-4 - 2,495 SQ.FT.  
 TCP-5 - 463.5 SQ.FT.  
 CS-1 - 271.5 SQ.FT.  
 GL-1 - 298.5 SQ.FT.  
**TOTAL: 7,176.5 SQ.FT.**

**MATERIAL SQAURE FOOTAGES:**  
**SOUTH ELEVATION:**  
 TCP-1 - 475 SQ.FT.  
 TCP-2 - 2,329 SQ.FT.  
 TCP-3 - 939 SQ.FT.  
 TCP-4 - 2,370.5 SQ.FT.  
 TCP-5 - 521 SQ.FT.  
 CS-1 - 236 SQ.FT.  
 GL-1 - 194 SQ.FT.  
**TOTAL: 7,094.5 SQ.FT.**

**AMINI'S FULFILLMENT CENTER**

760 NORTH TRADE CENTER BOULEVARD, CHESTERFIELD, MISSOURI, 63005

N/S ELEVATIONS

123421.00

05/28/24





**AMINI'S FULFILLMENT CENTER**

760 NORTH TRADE CENTER BOULEVARD, CHESTERFIELD, MISSOURI, 63005

SW CORNER RENDER

123421.00

05/28/24



gray

Project		Catalog #		Type	
Prepared by		Notes		Date	



# McGraw-Edison

## GALN Galleon II

Area / Site Luminaire

### Product Features



### Product Certifications



### Interactive Menu

- Ordering Information [page 2](#)
- Mounting Details [page 3](#)
- Optical Distributions [page 5](#)
- Product Specifications [page 5](#)
- Energy and Performance Data [page 6](#)
- Control Options [page 11](#)

### Quick Facts

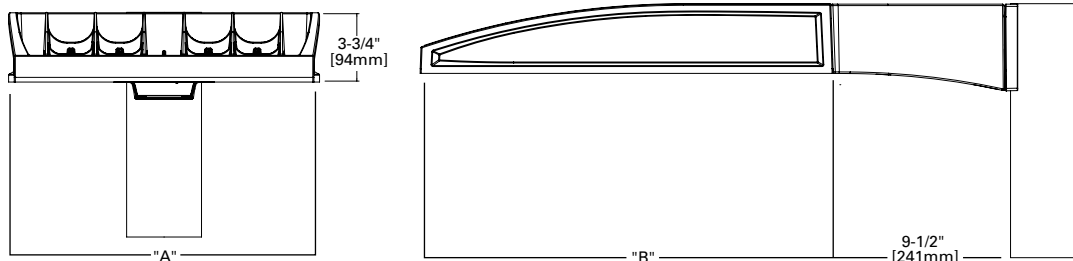
- Lumen packages range from 3,300 - 73,500 (33W - 552W)
- 17 optical distributions
- Efficacy up to 159 lumens per watt

### Connected Systems

- WaveLinx Lite
- WaveLinx

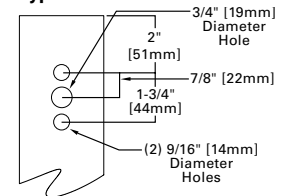
### Dimensional Details

#### Standard Pole Mount Arm



#### Pole Drilling Pattern

##### Type "N"



Number of Light Squares	Width "A"	Housing Length "B"	Weight with Standard or QM Arm	EPA with Standard or QM Arm
1-4	16"	22"	29 lb	0.95
5-6	22"	22"	39 lb	0.95
7-9	22"	28-1/8"	48 lb	1.1

**NOTES:**  
For arm selection requirements and additional line art, see Mounting Details section.


**NOTES:**  
1. Visit <https://www.designlights.org/search/> to confirm qualification. Not all product variations are DLC qualified.  
2. IDA Certified (3000K CCT and warmer only, fixed mounting options)

Ordering Information

SAMPLE NUMBER: GALN-SA4C-740-U-T4FT-GM

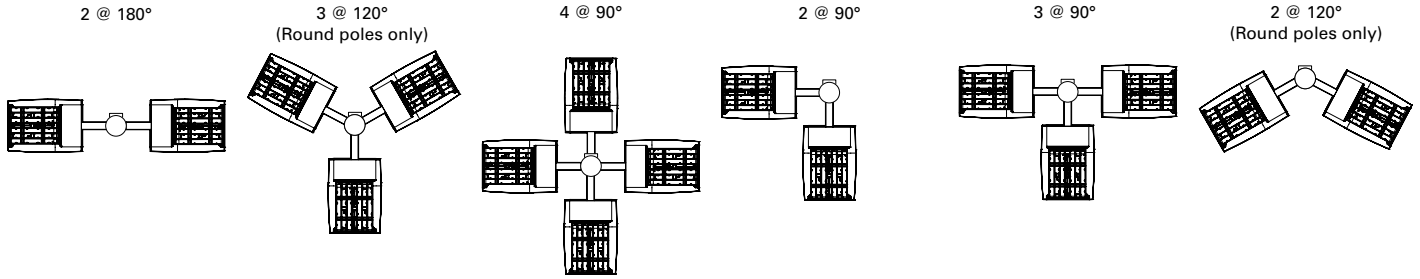
Product Family <sup>1,2</sup>	Light Engine		Color Temperature	Voltage	Distribution	Mounting	Finish
	Configuration	Drive Current					
<b>GALN</b> =Galleon II <b>BAA-GALN</b> =Galleon II Buy American Act Compliant <sup>26</sup> <b>TAA-GALN</b> =Galleon II Trade Agreements Act Compliant <sup>26</sup>	<b>SA1</b> =1 Square <b>SA2</b> =2 Squares <b>SA3</b> =3 Squares <b>SA4</b> =4 Squares <b>SA5</b> =5 Squares <b>SA6</b> =6 Squares <b>SA7</b> =7 Squares <b>SA8</b> =8 Squares <b>SA9</b> =9 Squares	<b>A</b> =600mA <b>B</b> =800mA <b>C</b> =1000mA <b>D</b> =1200mA <sup>4,16</sup> <b>Z</b> =Configured <sup>22</sup>	<b>722</b> =70CRI, 2200K <b>727</b> =70CRI, 2700K <b>730</b> =70CRI, 3000K <b>735</b> =70CRI, 3500K <b>740</b> =70CRI, 4000K <b>750</b> =70CRI, 5000K <b>760</b> =70CRI, 6000K <b>827</b> =80CRI, 2700K <b>830</b> =80CRI, 3000K <b>835</b> =80CRI, 3500K <b>840</b> =80CRI, 4000K <b>930</b> =90CRI, 3000K <b>935</b> =90CRI, 3500K <b>940</b> =90CRI, 4000K <b>950</b> =90CRI, 5000K <b>AMB</b> =Amber, 590nm <sup>14,16</sup>	<b>U</b> =120-277V <b>H</b> =347V-480V <sup>7,29</sup> 1=120V 2=208V 3=240V 4=277V 8=480V <sup>7,29</sup> 9=347V <sup>7</sup> <b>DV</b> =277V-480V DuraVolt Drivers <sup>28,29,30</sup>	<b>T1</b> =Type I <b>T2</b> =Type II <b>T2R</b> =Type II Roadway <b>T3</b> =Type III <b>T3R</b> =Type III Roadway <b>T4FT</b> =Type IV Forward Throw <b>T4W</b> =Type IV Wide <b>5N</b> =Type V Narrow <b>5M</b> =Type V Square Medium <b>5W</b> =Type V Square Wide <b>SL2</b> =Type II w/Spill Control <b>SL3</b> =Type III w/Spill Control <b>SL4</b> =Type IV w/Spill Control <b>SL</b> =90° Spill Light Eliminator Left <b>SLR</b> =90° Spill Light Eliminator Right <b>RW</b> =Rectangular Wide Type I <b>AF</b> =Automotive Frontline	<b>[Blank]</b> =Standard Pole Mount Arm <b>QU</b> =Quick Mount Universal Arm <b>QM</b> =Pole Mount Arm with Quick Mount Adaptor <b>PA</b> =Pole Mount, Adjustable <b>SP</b> =3" Slipfitter, Adjustable <sup>8</sup> <b>SP2</b> =2-3/8" Slipfitter, Adjustable <sup>8</sup> <b>QMA</b> =Quick Mount Mast Arm, Fixed <b>MA</b> =Mast Arm, Fixed <b>WM</b> =Wall Mount, Fixed <b>WA</b> =Wall Mount, Adjustable <b>UP</b> =Upswept Arm	<b>AP</b> =Grey <b>BZ</b> =Bronze <b>BK</b> =Black <b>DP</b> =Dark Platinum <b>GM</b> =Graphite Metallic <b>WH</b> =White <b>RALXX</b> =Custom Color
Options (Add as Suffix)			Controls and Systems Options (Add as Suffix)			Accessories (Order Separately) <sup>27</sup>	
<b>DIM</b> =External 0-10V Dimming Leads <sup>19</sup> <b>F</b> =Single Fuse (120, 277 or 347V Specify Voltage) <b>FF</b> =Double Fuse (208, 240 or 480V Specify Voltage) <b>2L</b> =20kV UL 1449 fused surge protective device <sup>10</sup> <b>2K</b> =Two Circuits <sup>10</sup> <b>HA</b> =50°C High Ambient <b>HSS</b> =Installed House Side Shield <sup>17</sup> <b>GRSBK</b> =Glare Reducing Shield, Black <sup>22</sup> <b>GRSWH</b> =Glare Reducing Shield, White <sup>22</sup> <b>LCF</b> =Light Square Trim Painted to Match Housing <sup>25</sup> <b>TH</b> =Tool-less Door Hardware <sup>5</sup> <b>CC</b> =Coastal Construction finish <sup>3</sup> <b>L90</b> =Optics Rotated 90° Left <b>R90</b> =Optics Rotated 90° Right <b>AHD145</b> =After Hours Dim, 5 Hours <sup>21</sup> <b>AHD245</b> =After Hours Dim, 6 Hours <sup>21</sup> <b>AHD255</b> =After Hours Dim, 7 Hours <sup>21</sup> <b>AHD355</b> =After Hours Dim, 8 Hours <sup>21</sup> <b>DALI</b> =DALI Drivers			<b>BPC</b> =Button Type Photocontrol. Must specify voltage 120V, 208V, 240V or 277V. <sup>6</sup> <b>PR</b> =NEMA 3-PIN Photocontrol Receptacle <b>PR7</b> =NEMA 7-PIN Photocontrol Receptacle <sup>20</sup> <b>FADC</b> =Field Adjustable Dimming Controller <sup>31</sup> <b>PSC</b> =Photocontrol Shorting Cap <b>SPB2</b> =Dimming Motion Sensor, 9'-20' mounting <sup>23</sup> <b>SPB4</b> =Dimming Motion Sensor, 21'-40' mounting <sup>23</sup> <b>SPB2/X</b> =Dimming Motion Sensor, limited square count, 9'-20' mounting <sup>23</sup> <b>SPB4/X</b> =Dimming Motion Sensor, limited square count, 21'-40' mounting <sup>23</sup> <b>MS/DIM-L20</b> =Motion Sensor for Dimming Operation, 9'-20' Mounting <sup>33</sup> <b>MS/DIM-L40</b> =Motion Sensor for Dimming Operation, 21'-40' Mounting <sup>33</sup> <b>WLS2XX</b> =WaveLinX Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting <sup>18,12,34</sup> <b>WLS4XX</b> =WaveLinX Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting <sup>18,12,34</sup> <b>WPS2XX</b> =WaveLinX Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting <sup>18,12,13,34</sup> <b>WPS4XX</b> =WaveLinX Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting <sup>18,12,13,34</sup> <b>DIM10-L20</b> =Synapse Occupancy Sensor (9'-20' Mounting) <sup>18</sup> <b>DIM10-L40</b> =Synapse Occupancy Sensor (21'-40' Mounting) <sup>18</sup>			<b>OA/RA1016</b> =NEMA Photocontrol Multi-Tap - 105-285V <b>OA/RA1027</b> =NEMA Photocontrol - 480V <b>OA/RA1201</b> =NEMA Photocontrol - 347V <b>OA/RA1013</b> =Photocontrol Shorting Cap <b>OA/RA1014</b> =120V Photocontrol <b>MA1252</b> =10kV Surge Module Replacement <b>MA1036-XX</b> =Single Tenon Adapter for 2-3/8" O.D. Tenon <b>MA1037-XX</b> =2@180° Tenon Adapter for 2-3/8" O.D. Tenon <b>MA1197-XX</b> =3@120° Tenon Adapter for 2-3/8" O.D. Tenon <b>MA1188-XX</b> =4@90° Tenon Adapter for 2-3/8" O.D. Tenon <b>MA1189-XX</b> =2@90° Tenon Adapter for 2-3/8" O.D. Tenon <b>MA1190-XX</b> =3@90° Tenon Adapter for 2-3/8" O.D. Tenon <b>MA1191-XX</b> =2@120° Tenon Adapter for 2-3/8" O.D. Tenon <b>MA1038-XX</b> =Single Tenon Adapter for 3-1/2" O.D. Tenon <b>MA1039-XX</b> =2@180° Tenon Adapter for 3-1/2" O.D. Tenon <b>MA1192-XX</b> =3@120° Tenon Adapter for 3-1/2" O.D. Tenon <b>MA1193-XX</b> =4@90° Tenon Adapter for 3-1/2" O.D. Tenon <b>MA1194-XX</b> =2@90° Tenon Adapter for 3-1/2" O.D. Tenon <b>MA1195-XX</b> =3@90° Tenon Adapter for 3-1/2" O.D. Tenon <b>SRA238</b> =Adapter kit for mounting 3" SP arm to 2-3/8" O.D. vertical tenon <b>FSIR-100</b> =Wireless Configuration Tool for MS/DIM <sup>33</sup> <b>LS/HSS</b> =Field Installed House Side Shield <sup>9,17</sup> <b>LS/GRSBK-2PK</b> =Glare Reducing Shield, Black <sup>9,22</sup> <b>LS/GRSWH-2PK</b> =Glare Reducing Shield, White <sup>9,22</sup> <b>LS/PFS</b> =Perimeter Shield, Black <sup>15</sup> <b>WOLC-7P-10A</b> =WaveLinX Outdoor Control Module <sup>11,18</sup>	
<b>NOTES:</b> 1. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information. 2. DesignLights Consortium® Qualified. Refer to <a href="http://www.designlights.org">www.designlights.org</a> Qualified Products List under Family Models for details. 3. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654. 4. Not available with TH option. 5. TH option not 3G rated. Not available with Coastal Construction (CC) option. 6. Not available with voltage options H, 8 or 9. 7. Requires the use of an internal step down transformer when combined with sensor options. Not available in combination with the HA high ambient and sensor options at 1A. 8. SP arm limited to 3" O.D. vertical tenon. SP2 limited to 2-3/8" O.D. vertical tenon. 9. One required for each Light Square. 10. 2L is not available with SPB at 347V or 480V. Not available with WaveLinX or Enlighted sensors, or 20kV surge option 11. Requires PR7. 12. Replace XX with sensor color (WH, BZ or BK). 13. WAC Gateway required to enable field-configurability. Order WAC-PoE and WPOE-120 (10V to PoE injector) power supply if needed. WAC not required for LC Bluetooth sensors. 14. Narrow-band 590nm +/-5nm for wildlife and observatory use. Choose drive current A; supplied at 500mA drive current only. Exact luminaire wattage available in IES files. Available with 5WQ, 5MQ, SL2, SL3 and SL4 distributions. Can be used with HSS option. 15. Set of 4 pcs. One set required per Light Square. 16. Not available with HA option. 17. Not for use with T1, 5N, 5M, 5W or RW optics. 18. Cannot be used with other control options. 19. Low voltage control lead brought out 18" outside fixture. Not available with DALI or integrated controls options 20. Not available if any SPB, LWR, or WaveLinX sensor is selected. Motion sensor has an integral photocell. 21. Requires the use of BPC photocontrol or the PR7 or PR photocontrol receptacle with photocontrol accessory. 22. Not for use with T1, T4FT, T4W or SL4 optics. 23. Sensor configuration mobile application required for configuration. See controls page for details. 24. Replace X with number of Light Squares controlled by the SPB, referencing the "SPB/X Availability Table" on the controls page. 25. Not available with HSS, GRSWH or GRSBK. 26. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to <a href="http://www.designlights.org">www.designlights.org</a> website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. 27. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information. 28. DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit <a href="http://www.sigify.com/duravolt">www.sigify.com/duravolt</a> for more information. 29. 480V not to be used with ungrounded or impedance grounded systems. 30. Not available in 1 square configuration at 800mA or below. Not available with any control option except SPB. 31. Cannot be used with PR7 or other motion response control options. 32. Use GALN Product Configurator to specify lumen output, drive current and wattage. Not available with AMB. 33. Uses the FSP-211 motion sensor. The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Cooper Lighting Solutions for more information. 34. Controls system is not available with photocontrol receptacles (PR, PR7) or other controls systems (FADC, SPBx).							

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

Product Family	Camera Type	Data Backhaul
<b>L</b> =LumenSafe Technology 	<b>D</b> =Standard Dome Camera <b>H</b> =Hi-Res Dome Camera <b>Z</b> =Remote PTZ Camera	<b>C</b> =Cellular, No SIM <b>A</b> =Cellular, AT&T <b>V</b> =Cellular, Verizon <b>S</b> =Cellular, Sprint  <b>R</b> =Cellular, Rogers <b>W</b> =Wi-Fi Networking w/ Omni-Directional Antenna <b>E</b> =Ethernet Networking

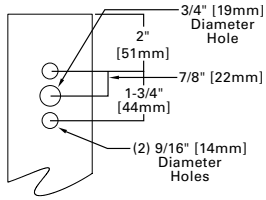
Mounting Details

Pole Configuration Options

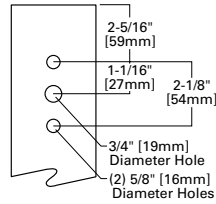


Pole Drilling Patterns

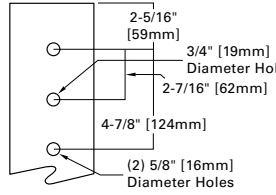
Type "N"



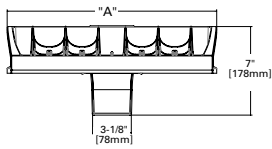
Type "R"



Type "M"



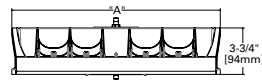
Quick Mount Universal Arm (QU)



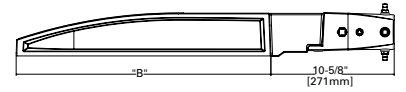
\*NOTE: Universal bolt pattern compatible with Type N through Type M drilling patterns



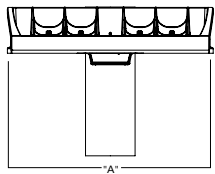
Quick Mount Mast Arm (QMA)



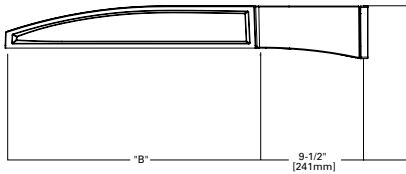
\*NOTE: Fits 2-3/8" O.D. tenon



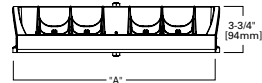
Pole Mount Arm with Quick Mount Adaptor (QM)



\*NOTE: Use Type N drilling pattern



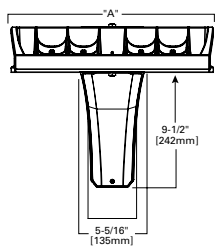
Mast Arm, Fixed (MA)



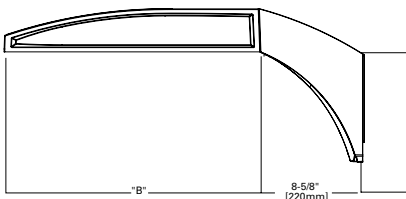
\*NOTE: Fits 2-3/8" O.D. tenon



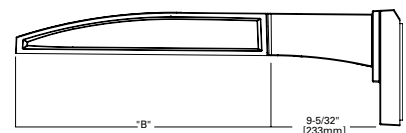
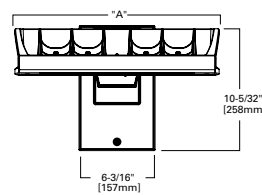
Upswept Arm (UP)



\*NOTE: Universal bolt pattern compatible with Type N through Type M drilling patterns

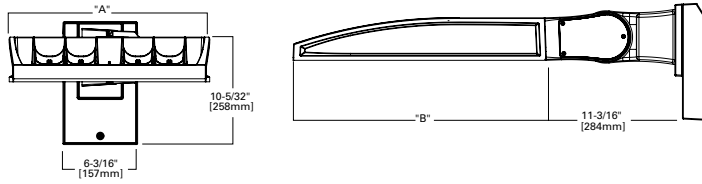


Wall Mount, Fixed (WM)



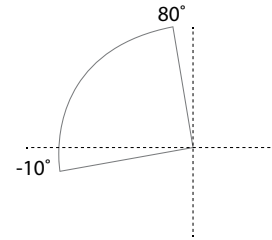
Mounting Details

Wall Mount, Adjustable (WA)

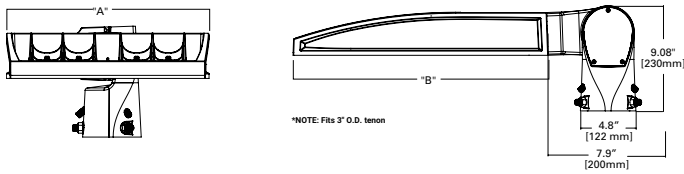


Adjustable Arm Range of Motion

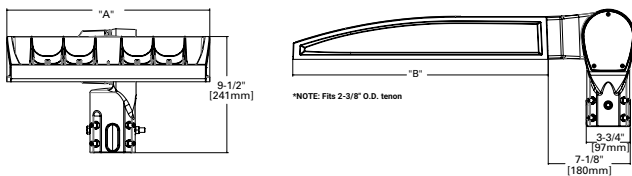
- Includes WA, SP, SP2 and PA mounting options
- Adjustable in increments of 5°
- Must maintain downward facing orientation



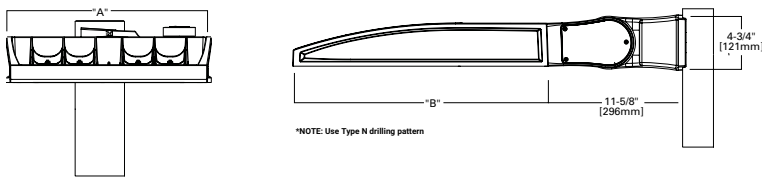
3" Slipfitter, Adjustable (SP)



2-3/8" Slipfitter, Adjustable (SP2)



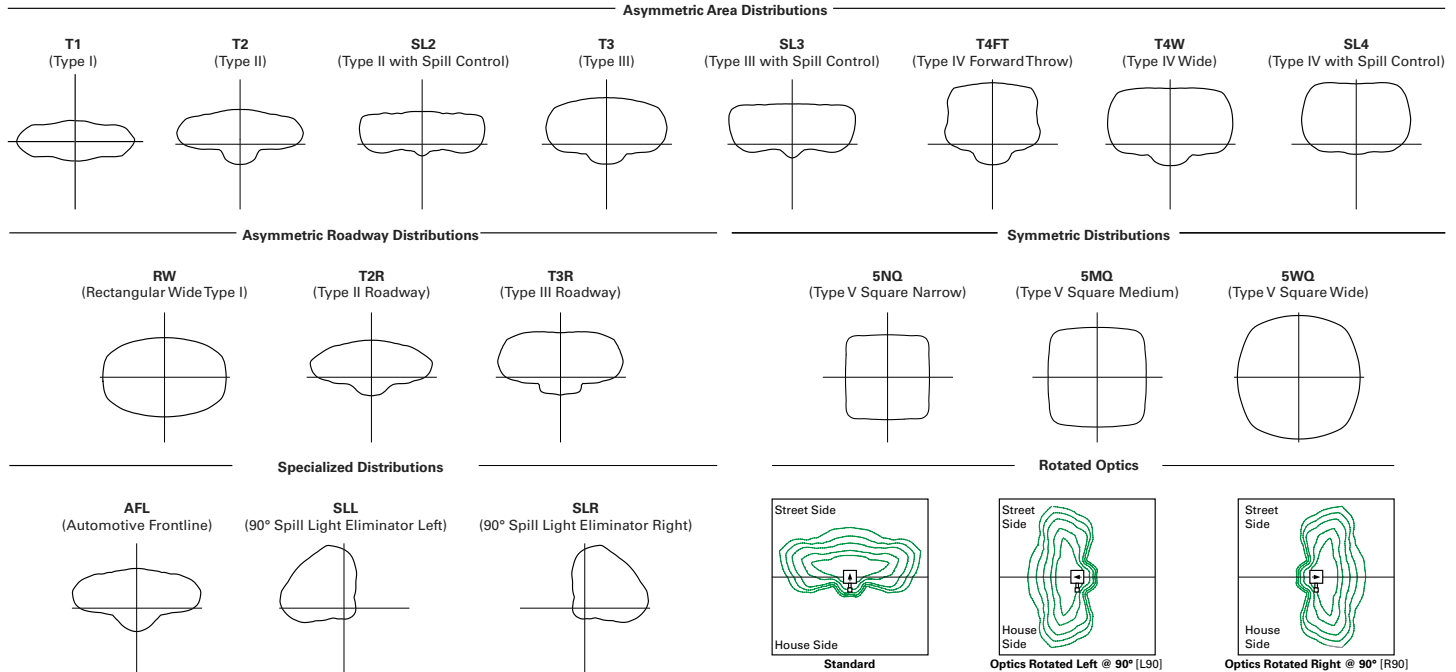
Pole Mount, Adjustable Arm (PA)



Fixture Weights and EPAs

Tilt Angle (Degrees)	Number of Light Squares	Weight	1 @ 90°	2 @ 180°	2 @ 90°	2 @ 120°	3 @ 90°	3 @ 120°	4 @ 90°
0°	1-4	33.5 lb (15.2 kg)	0.85	1.70	1.46	1.66	2.31	2.25	2.35
	5-6	43.5 lb (19.7 kg)	0.86	1.71	1.62	1.80	2.49	2.35	2.50
	7-9	52.5 lb (23.8 kg)	0.98	1.95	1.75	1.98	2.73	2.55	2.76
15°	1-4	33.5 lb (15.2 kg)	1.10	1.71	1.95	2.26	2.81	3.30	2.87
	5-6	43.5 lb (19.7 kg)	1.42	1.71	2.27	2.72	3.13	3.63	3.15
	7-9	52.5 lb (23.8 kg)	1.69	1.96	2.67	3.22	3.65	4.38	3.72
30°	1-4	33.5 lb (15.2 kg)	1.72	1.81	2.58	3.21	3.44	4.59	3.53
	5-6	43.5 lb (19.7 kg)	2.26	2.29	3.11	4.00	3.97	5.27	4.00
	7-9	52.5 lb (23.8 kg)	2.75	2.85	3.73	4.83	4.71	6.45	4.81
45°	1-4	33.5 lb (15.2 kg)	2.25	2.36	3.10	4.00	3.96	5.63	4.08
	5-6	43.5 lb (19.7 kg)	2.96	2.99	3.81	5.06	4.67	6.49	4.71
	7-9	52.5 lb (23.8 kg)	3.63	3.76	3.73	6.17	5.59	8.03	5.73
60°	1-4	33.5 lb (15.2 kg)	2.63	2.77	3.49	4.58	4.34	6.21	4.48
	5-6	43.5 lb (19.7 kg)	3.46	3.51	4.32	5.84	5.19	7.01	5.22
	7-9	52.5 lb (23.8 kg)	4.27	4.44	5.25	7.15	6.23	8.80	6.40

Optical Distributions



Product Specifications

**Construction**

- Die-cast aluminum housing and heat sink
- Three housing sizes, using 1 to 9 light squares

**Optics**

- High-efficiency injection-molded AccuLED Optics technology
- 17 optical distributions for area site and roadway applications
- 3 shielding options include HSS, GRS and PFS
- IDA Certified (3000K CCT and warmer only, fixed mounting options)

**Electrical**

- Removable power tray assembly includes drivers, surge modules and control modules for ease of maintenance and serviceability
- Standard with 0-10V dimming
- Standard with 10kV surge module, optional 20kV surge module
- Suitable for operation in -40°C to 40°C ambient

environments. Optional 50°C high ambient (HA) configuration

- Luminaire available with the field adjustable dimming controller (FADC) to manually adjust wattage and reduce the total lumen output and light levels. Comes pre-set to the highest position at the lumen output selected

**Mounting**

- Arms are factory installed, enabling closed-housing installation
- All arms suitable for round or square pole installation
- All arms provide clearance for multiple fixture installations at 90°

**Finish**

- 6 standard finishes use super durable TGIC polyester powder coat paint, providing 2.5 mil nominal thickness and salt-spray tested to 3,000 hours per ASTM B117
- RAL and custom color matches available

- Coastal Construction (CC) option salt-spray tested to 5,000 hours per ASTM B117, achieving a scribe rating of 9 per ASTM D1654

**Typical Applications**

- Outdoor, Parking Lots, Walkways, Roadways, Building Areas

**Warranty**

- Five year limited warranty



Energy and Performance Data

Lumen Maintenance (TM-21)

Drive Current	Ambient Temperature	25,000 hours*	50,000 hours*	60,000 hours*	100,000 hours**	Theoretical L70 hours**
Up to 1A	25°C	99.4%	99.0%	98.9%	98.3%	> 2.4M
	40°C	98.7%	98.3%	98.1%	97.4%	> 1.9M
	50°C	98.2%	97.2%	96.8%	95.2%	> 851,000
1.2A	25°C	99.4%	99.0%	98.9%	98.3%	> 2.4M
	40°C	98.5%	97.9%	97.7%	96.7%	> 1.3M

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

\* Supported by IES TM-21 standards  
 \*\* Theoretical values represent estimations commonly used; however, refer to the IES position on LED Product Lifetime Prediction, IES PS-10-18, explaining proper use of IES TM-21 and LM-80.

FADC Settings  
 SA1-SA3 (A, B, C, D Drive Current)

FADC Position	Percent of Typical Lumen Output
1	25%
2	48%
3	56%
4	65%
5	75%
6	80%
7	85%
8	90%
9	95%
10	100%

Note: +/-5% typical value

FADC Settings  
 SA4-SA6 (A, B, C, D Drive Current)

FADC Position	Percent of Typical Lumen Output
1	14%
2	25%
3	32%
4	43%
5	49%
6	57%
7	65%
8	72%
9	80%
10	100%

Note: +/-5% typical value

FADC Settings  
 SA7-SA9 (A, B, C, D Drive Current)

FADC Position	Percent of Typical Lumen Output
1	19%
2	38%
3	47%
4	63%
5	74%
6	85%
7	95%
8	97%
9	100%
10	100%

Note: +/-5% typical value

Performance Table, Drive Current "A" (615mA)

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		33	63	93	121	154	182	215	244	274
Input Current @ 120V		0.283	0.529	0.778	1.058	1.310	1.556	1.839	2.089	2.335
Input Current @ 208V		0.165	0.309	0.460	0.618	0.771	0.919	1.082	1.240	1.379
Input Current @ 240V		0.143	0.270	0.398	0.540	0.671	0.796	0.944	1.078	1.194
Input Current @ 277V		0.125	0.237	0.352	0.473	0.581	0.705	0.818	0.962	1.057
Input Current @ 347V		0.098	0.181	0.272	0.362	0.454	0.544	0.636	0.738	0.816
Input Current @ 480V		0.073	0.133	0.200	0.267	0.335	0.400	0.470	0.554	0.600
Optics										
T1	4000K Lumens	4,619	9,180	13,628	18,059	22,861	27,070	31,796	36,863	41,385
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
	Lumens per Watt	140	146	147	149	148	149	148	151	151
T2	4000K Lumens	4,654	9,249	13,730	18,194	23,032	27,273	32,034	37,138	41,694
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	141	147	148	150	150	150	149	152	152
T2R	4000K Lumens	4,716	9,372	13,913	18,437	23,340	27,637	32,462	37,634	42,251
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
	Lumens per Watt	143	149	150	152	152	152	151	154	154
T3	4000K Lumens	4,589	9,120	13,538	17,940	22,711	26,892	31,587	36,620	41,112
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G4
	Lumens per Watt	139	145	146	148	147	148	147	150	150
T3R	4000K Lumens	4,735	9,411	13,970	18,513	23,436	27,751	32,596	37,790	42,425
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	143	149	150	153	152	152	152	155	155
T4FT	4000K Lumens	4,617	9,176	13,622	18,051	22,851	27,058	31,782	36,847	41,366
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	140	146	146	149	148	149	148	151	151
T4W	4000K Lumens	4,631	9,203	13,662	18,104	22,918	27,138	31,876	36,955	41,488
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	140	146	147	150	149	149	148	151	151
SL2	4000K Lumens	4,619	9,180	13,627	18,058	22,860	27,069	31,795	36,861	41,383
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5
	Lumens per Watt	140	146	147	149	148	149	148	151	151
SL3	4000K Lumens	4,586	9,115	13,531	17,931	22,699	26,879	31,571	36,602	41,091
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	139	145	145	148	147	148	147	150	150
SL4	4000K Lumens	4,529	9,002	13,363	17,708	22,417	26,544	31,178	36,146	40,580
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	137	143	144	146	146	146	145	148	148
5NQ	4000K Lumens	4,829	9,598	14,247	18,880	23,901	28,301	33,242	38,539	43,266
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3
	Lumens per Watt	146	152	153	156	155	155	155	158	158
5MQ	4000K Lumens	4,853	9,645	14,318	18,974	24,020	28,442	33,407	38,731	43,482
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	147	153	154	157	156	156	155	159	159
5WQ	4000K Lumens	4,843	9,625	14,288	18,934	23,969	28,382	33,337	38,649	43,390
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	147	153	154	156	156	156	155	158	158
SLL/ SLR	4000K Lumens	3,989	7,927	11,768	15,594	19,741	23,375	27,456	31,831	35,736
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	121	126	127	129	128	128	128	130	130
RW	4000K Lumens	4,774	9,488	14,085	18,665	23,628	27,979	32,863	38,100	42,774
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
	Lumens per Watt	145	151	151	154	153	154	153	156	156
AFL	4000K Lumens	4,673	9,286	13,785	18,268	23,126	27,384	32,164	37,290	41,864
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3
	Lumens per Watt	142	147	148	151	150	150	150	153	153

\* Nominal data for 70 CRI. \*\* For additional performance data, please reference the Galleon Supplemental Performance Guide.

Performance Table, Drive Current "B" (800mA)

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		44	82	121	164	204	243	286	325	364
Input Current @ 120V		0.367	0.689	1.014	1.378	1.704	2.027	2.393	2.716	3.041
Input Current @ 208V		0.213	0.401	0.594	0.802	0.997	1.188	1.400	1.605	1.782
Input Current @ 240V		0.184	0.347	0.510	0.694	0.860	1.021	1.210	1.386	1.531
Input Current @ 277V		0.160	0.303	0.449	0.605	0.757	0.898	1.065	1.242	1.347
Input Current @ 347V		0.125	0.235	0.355	0.471	0.592	0.710	0.828	0.958	1.065
Input Current @ 480V		0.092	0.172	0.258	0.344	0.432	0.517	0.605	0.706	0.775
Optics										
T1	4000K Lumens	5,748	11,423	16,957	22,470	28,446	33,683	39,563	45,867	51,494
	BUG Rating	B2-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
	Lumens per Watt	131	139	140	137	139	139	138	141	141
T2	4000K Lumens	5,790	11,508	17,083	22,638	28,658	33,935	39,859	46,210	51,879
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	132	140	141	138	140	140	139	142	143
T2R	4000K Lumens	5,868	11,662	17,311	22,941	29,041	34,388	40,391	46,827	52,572
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
	Lumens per Watt	133	142	143	140	142	142	141	144	144
T3	4000K Lumens	5,710	11,347	16,845	22,322	28,258	33,461	39,303	45,565	51,155
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5
	Lumens per Watt	130	138	139	136	139	138	137	140	141
T3R	4000K Lumens	5,892	11,710	17,383	23,035	29,161	34,530	40,558	47,020	52,788
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	134	143	144	140	143	142	142	145	145
T4FT	4000K Lumens	5,745	11,418	16,949	22,460	28,433	33,668	39,546	45,847	51,471
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	131	139	140	137	139	139	138	141	141
T4W	4000K Lumens	5,762	11,451	16,999	22,526	28,517	33,767	39,662	45,982	51,622
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	131	140	140	137	140	139	139	141	142
SL2	4000K Lumens	5,747	11,422	16,956	22,469	28,444	33,681	39,561	45,865	51,491
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	131	139	140	137	139	139	138	141	141
SL3	4000K Lumens	5,707	11,342	16,836	22,311	28,244	33,444	39,283	45,542	51,129
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	130	138	139	136	138	138	137	140	140
SL4	4000K Lumens	5,636	11,201	16,627	22,034	27,893	33,028	38,794	44,976	50,493
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	128	137	137	134	137	136	136	138	139
5NQ	4000K Lumens	6,009	11,942	17,727	23,492	29,739	35,214	41,362	47,953	53,835
	BUG Rating	B2-U0-G1	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
	Lumens per Watt	137	146	147	143	146	145	145	148	148
5MQ	4000K Lumens	6,039	12,001	17,816	23,609	29,887	35,389	41,568	48,191	54,103
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	137	146	147	144	147	146	145	148	149
5WQ	4000K Lumens	6,026	11,976	17,778	23,559	29,824	35,315	41,480	48,090	53,989
	BUG Rating	B3-U0-G1	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
	Lumens per Watt	137	146	147	144	146	145	145	148	148
SLL/ SLR	4000K Lumens	4,963	9,863	14,642	19,403	24,563	29,085	34,163	39,607	44,465
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	113	120	121	118	120	120	119	122	122
RW	4000K Lumens	5,940	11,806	17,526	23,224	29,400	34,813	40,891	47,407	53,222
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
	Lumens per Watt	135	144	145	142	144	143	143	146	146
AFL	4000K Lumens	5,814	11,555	17,153	22,730	28,775	34,073	40,021	46,398	52,090
	BUG Rating	B1-U0-G1	B2-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4
	Lumens per Watt	132	141	142	139	141	140	140	143	143

\* Nominal data for 70 CRI. \*\* For additional performance data, please reference the Galleon Supplemental Performance Guide.

Performance Table, Drive Current "C" (1050mA)

Number of Light Squares		1	2	3	4	5	6	7	8	9
<b>Nominal Power (Watts)</b>		57	108	160	213	269	321	377	429	481
<b>Input Current @ 120V</b>		0.478	0.905	1.338	1.810	2.244	2.675	3.150	3.584	4.013
<b>Input Current @ 208V</b>		0.279	0.532	0.780	1.064	1.313	1.559	1.845	2.093	2.339
<b>Input Current @ 240V</b>		0.243	0.458	0.664	0.916	1.123	1.328	1.582	1.788	1.991
<b>Input Current @ 277V</b>		0.213	0.404	0.582	0.808	0.997	1.164	1.401	1.589	1.745
<b>Input Current @ 347V</b>		0.164	0.322	0.471	0.644	0.795	0.943	1.117	1.269	1.414
<b>Input Current @ 480V</b>		0.121	0.235	0.341	0.469	0.579	0.681	0.814	0.923	1.022
Optics										
<b>T1</b>	4000K Lumens	7,101	14,113	20,950	27,763	35,146	41,616	48,882	56,671	63,623
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	125	131	131	130	131	130	130	132	132
<b>T2</b>	4000K Lumens	7,154	14,219	21,107	27,970	35,408	41,927	49,247	57,094	64,098
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	126	132	132	131	132	131	131	133	133
<b>T2R</b>	4000K Lumens	7,250	14,408	21,389	28,344	35,881	42,487	49,905	57,857	64,954
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	127	133	134	133	133	132	132	135	135
<b>T3</b>	4000K Lumens	7,054	14,020	20,812	27,580	34,914	41,342	48,560	56,297	63,203
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	124	130	130	129	130	129	129	131	131
<b>T3R</b>	4000K Lumens	7,280	14,468	21,477	28,461	36,029	42,663	50,111	58,096	65,222
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	128	134	134	134	134	133	133	135	136
<b>T4FT</b>	4000K Lumens	7,098	14,107	20,941	27,751	35,130	41,598	48,860	56,646	63,594
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	125	131	131	130	131	130	130	132	132
<b>T4W</b>	4000K Lumens	7,119	14,148	21,003	27,832	35,233	41,720	49,004	56,812	63,781
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	125	131	131	131	131	130	130	132	133
<b>SL2</b>	4000K Lumens	7,101	14,112	20,949	27,761	35,144	41,614	48,879	56,668	63,619
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	125	131	131	130	131	130	130	132	132
<b>SL3</b>	4000K Lumens	7,051	14,013	20,802	27,566	34,897	41,321	48,535	56,269	63,172
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	124	130	130	129	130	129	129	131	131
<b>SL4</b>	4000K Lumens	6,963	13,839	20,543	27,223	34,463	40,808	47,932	55,569	62,386
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	122	128	128	128	128	127	127	130	130
<b>5NQ</b>	4000K Lumens	7,424	14,755	21,903	29,025	36,743	43,508	51,104	59,247	66,515
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
	Lumens per Watt	130	137	137	136	137	136	136	138	138
<b>5MQ</b>	4000K Lumens	7,461	14,828	22,012	29,169	36,926	43,725	51,359	59,542	66,846
	BUG Rating	B3-U0-G1	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
	Lumens per Watt	131	137	138	137	137	136	136	139	139
<b>5WQ</b>	4000K Lumens	7,445	14,797	21,966	29,108	36,849	43,633	51,250	59,417	66,705
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	131	137	137	137	137	136	136	139	139
<b>SLL/SLR</b>	4000K Lumens	6,132	12,187	18,091	23,973	30,348	35,936	42,210	48,935	54,938
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	108	113	113	113	113	112	112	114	114
<b>RW</b>	4000K Lumens	7,340	14,587	21,653	28,694	36,325	43,013	50,522	58,573	65,757
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	129	135	135	135	135	134	134	137	137
<b>AFL</b>	4000K Lumens	7,183	14,276	21,193	28,084	35,552	42,098	49,448	57,327	64,359
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G4
	Lumens per Watt	126	132	132	132	132	131	131	134	134

\* Nominal data for 70 CRI. \*\* For additional performance data, please reference the Galleon Supplemental Performance Guide.

Performance Table, Drive Current "D" (1200mA)

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		65	125	184	245	309	368	433	493	552
Input Current @ 120V		0.546	1.041	1.535	2.082	2.578	3.070	3.619	4.114	4.605
Input Current @ 208V		0.318	0.610	0.893	1.219	1.504	1.786	2.113	2.397	2.679
Input Current @ 240V		0.276	0.523	0.758	1.046	1.282	1.516	1.806	2.041	2.274
Input Current @ 277V		0.241	0.460	0.662	0.920	1.133	1.325	1.593	1.807	1.987
Input Current @ 347V		0.187	0.370	0.543	0.740	0.915	1.085	1.285	1.459	1.628
Input Current @ 480V		0.138	0.269	0.391	0.537	0.663	0.782	0.932	1.057	1.173
Optics										
T1	4000K Lumens	7,814	15,529	23,053	30,549	38,672	45,793	53,787	62,358	70,007
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	120	124	125	125	125	124	124	126	127
T2	4000K Lumens	7,872	15,645	23,225	30,777	38,962	46,135	54,189	62,824	70,530
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	121	125	126	126	126	125	125	127	128
T2R	4000K Lumens	7,977	15,854	23,535	31,188	39,482	46,751	54,913	63,663	71,472
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	123	127	128	127	128	127	127	129	129
T3	4000K Lumens	7,762	15,427	22,901	30,348	38,418	45,491	53,433	61,947	69,546
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	119	123	124	124	124	124	123	126	126
T3R	4000K Lumens	8,010	15,920	23,632	31,317	39,645	46,944	55,139	63,925	71,767
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	123	127	128	128	128	128	127	130	130
T4FT	4000K Lumens	7,810	15,522	23,043	30,535	38,655	45,772	53,763	62,330	69,976
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	120	124	125	125	125	124	124	126	127
T4W	4000K Lumens	7,833	15,568	23,110	30,625	38,769	45,907	53,921	62,513	70,182
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	121	125	126	125	125	125	125	127	127
SL2	4000K Lumens	7,813	15,528	23,052	30,547	38,670	45,790	53,784	62,354	70,003
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	120	124	125	125	125	124	124	126	127
SL3	4000K Lumens	7,758	15,419	22,889	30,332	38,398	45,468	53,406	61,916	69,511
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	119	123	124	124	124	124	123	126	126
SL4	4000K Lumens	7,662	15,228	22,605	29,955	37,921	44,903	52,742	61,146	68,646
	BUG Rating	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	118	122	123	122	123	122	122	124	124
5NQ	4000K Lumens	8,169	16,235	24,101	31,938	40,431	47,874	56,232	65,193	73,190
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	126	130	131	130	131	130	130	132	133
5MQ	4000K Lumens	8,210	16,316	24,221	32,097	40,632	48,113	56,512	65,517	73,554
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	126	131	132	131	131	131	131	133	133
5WQ	4000K Lumens	8,192	16,282	24,170	32,029	40,546	48,011	56,393	65,379	73,399
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	126	130	131	131	131	130	130	133	133
SLL/ SLR	4000K Lumens	6,747	13,410	19,906	26,379	33,394	39,542	46,445	53,846	60,451
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	104	107	108	108	108	107	107	109	110
RW	4000K Lumens	8,076	16,050	23,826	31,574	39,970	47,329	55,592	64,450	72,356
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	124	128	129	129	129	129	128	131	131
AFL	4000K Lumens	7,904	15,709	23,320	30,902	39,120	46,323	54,410	63,079	70,817
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4
	Lumens per Watt	122	126	127	126	127	126	126	128	128

\* Nominal data for 70 CRI. \*\* For additional performance data, please reference the Galleon Supplemental Performance Guide.

## 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 (BPC, PR and PR7)

Optional button-type photocontrol (BPC) and photocontrol receptacles (PR and PR7) 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 PR7 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 (SPB and MS/DIM-LXX)

These passive infrared (PIR) sensors are factory installed in the luminaire housing. When the SPB (FSP-321 or FSP-311) or MS/DIM (FSP-211) sensor options are selected, the occupancy sensor is connected to a dimming driver and the luminaire dims when no motion is detected. After a set period of time, the luminaire turns off, and when motion is detected, the luminaire returns to full light output. Both sensors are factory preset to dim down to approximately 10% power with a time delay of five minutes. The MS/DIM sensor requires the FSIR-100 programming tool to adjust factory defaults. The SPB sensor default parameters are listed in the table below and can be configured utilizing the Sensor Configuration mobile application for iOS and Android devices. The SPB/X is configured to control only the specified number of light squares (See SPB/X Availability Table below.) An integral photocontrol can be activated with the app for "dusk-to-dawn" control or daylight harvesting - the factory default is off. Four sensor colors are available; Bronze, Black, Gray and White, and are automatically selected based on the luminaire finish as indicated by the table below.

SPB sensor finish matched to luminaire finish		
Luminaire Finish		SPB Sensor Finish*
WH	White	White
BK	Black	Black
GM	Graphite Metallic	Black
BZ	Bronze	Bronze
AP	Gray	Gray
DP	Dark Platinum	Gray

\*SPB bezel color automatically selected based on luminaire finish

SPB/X Availability Table	
Fixture Square Count	Available SPB/X Square Count
1	Not Available
2	Not Available
3	Not Available
4	2
5	2 or 3
6	3
7	2, 3, 4 or 5
8	2, 3, 5 or 6
9	3 or 6

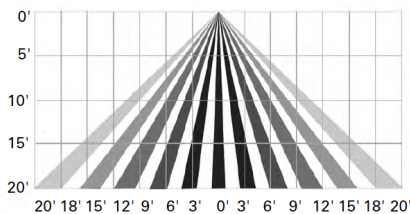
### Default Program Settings (Out of the Box Functionality)

Occupancy Sensor				
Setting	MS/DIM	SPB	WaveLinX Lite (WLS4 / WLS2)	WaveLinX (WPS)
High Mode %	100%	100%	100%	100%
Low Mode %	10%	10%	50%	50%
Time Delay	5 min	5 min	15 min	15 min
Cut Off Delay	1 hr	1 hr	Disabled	Disabled
Photocell Enabled	No	No	Yes	Yes

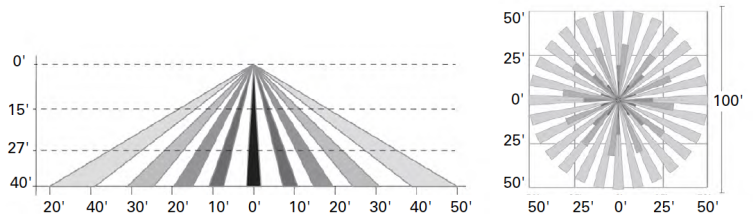
### WaveLinX Wireless Control and Monitoring System

Operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. WaveLinX (WPS2 to WPS4) outdoor wireless sensors offer passive infrared (PIR) occupancy and photocell for closed loop daylight harvesting, and can be factory or field-installed. Sensors are factory preset to dim down to 50% after 15 minutes of no motion detected. Two lens options are available for mounting heights of 7' to 40'. Use the WaveLinX mobile application for set-up and configuration. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets). WaveLinX Lite (WLS4 and WLS2) outdoor wireless sensors provide PIR occupancy and photocell for closed loop daylight harvesting, and can be factory or field-installed. Sensors are factory preset to dim down to 50% after 15 minutes of no motion detected. Two lens options are available for mounting heights of 7' to 40'. Use the WaveLinX Lite mobile application for set-up and configuration. WAC not required. WaveLinX Outdoor Control Module (WOLC-7P-10A) accessory provides a photocontrol enabling astronomic or time-based schedules to provide ON, OFF and dimming control of fixtures utilizing a 7-PIN receptacle. The out-of-box functionality is ON at dusk and OFF at dawn.

#### For mounting heights up to 15' (WPS2 and WLS2)



#### For mounting heights up to 40' (WPS4 and WLS4)



### LumenSafe Integrated Network Security Camera (LD)

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

### Synapse (DIM10)

SimplySNAP integrated wireless controls system by Synapse. Includes factory installed DIM10 Synapse control module and FSP-201 motion sensor; requires additional Synapse system components for operation. Contact Synapse at [www.synapsewireless.com](http://www.synapsewireless.com) for product support, warranty and terms and conditions.