

## Planning Commission Staff Report

<b>Project type:</b>	Site Development Section Plan
<b>Meeting Date:</b>	November 28, 2022
<b>From:</b>	Shilpi Bharti, Planner <i>SB</i>
<b>Location:</b>	675 Spirit Valley West Drive.
<b>Description:</b>	<b>Spirit Valley Business Park, Lot 6 (SDSP):</b> Site Development Section Plan, Landscape Plan, Lighting Plan and Architectural Elevations for an office/warehouse building located on a 3.3-acre tract of land located west of Spirit Valley West Drive, zoned "PI"-Planned Industrial.

### PROPOSAL SUMMARY

Stock and Associates Consulting Engineers, Inc. has submitted a Site Development Section Plan, Landscape Plan, Lighting Plan, and Architectural Elevations for a proposed Office/warehouse building located at 675 Spirit Valley West Drive.

Proposed Development includes:

- 40,000 square feet of office and warehouse
- 72 parking spaces
- 3 loading spaces
- Landscape Plan
- Lighting Plan
- Photometric Plan



Figure 1: Subject Location

### HISTORY OF SUBJECT SITE

The subject site is in the Spirit Valley Business Park subdivision. The subdivision is a 52.82-acre tract of land located south of Olive Street Road. The site was rezoned from "NU- Non-Urban District" to "PI- Planned Industrial District" in 2007 following the City of Chesterfield Ordinance 2373. Since then, the ordinance was amended two times (2008 and 2013) to modify usage permitted under this "PI" district. The current ordinance governing the site is City Ordinance 3002 approved in 2018, which repealed City

Ordinance 2745 to modify development conditions for Lots 8 and 9B. The amendment was to allow for a taller height of a hangar on Lots 8 & 9B, clarification of tarmac setbacks, and to permit ancillary structures.

The Site Development Concept Plan for the Spirit Valley Business Park was approved in 2008, which served as the Preliminary Development Plan for the Subdivision. The Record Plat established 16 lots. Later in 2013, the concept plan was amended to subdivide some of the existing lots to include six additional lots.

## **SURROUNDING LAND USE AND ZONING**

The subject site is zoned PI- Planned Industrial. Property north, east and west of the subject site is zoned PI-Planned Industrial. Property south of the subject site is zoned M3- Planned Industrial.

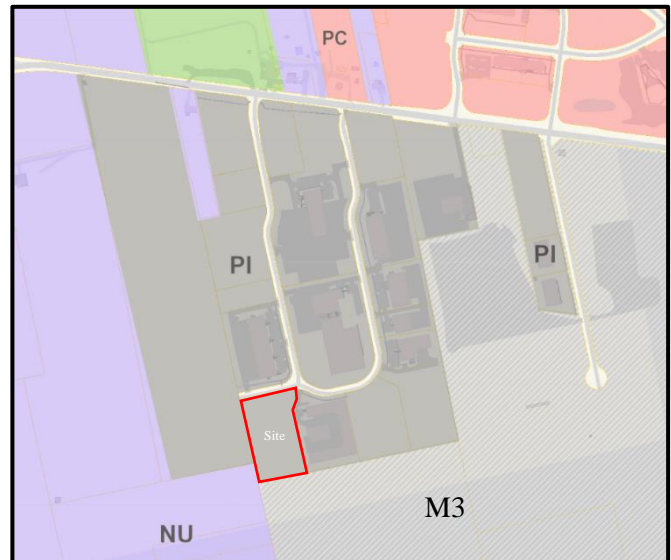


Figure 2: Zoning Map

## **COMPREHENSIVE PLAN**

The subject site is located within Ward 4 of the City of Chesterfield. The City of Chesterfield Comprehensive Plan contains the City of Chesterfield Land Use Plan, which is helpful in determining the future use of the site. As per the City of Chesterfield Land Use Plan, the subject site is within the Industrial land use. The subject site is surrounded by Industrial on the east, north and south. The Industrial land use typically supports manufacturing and production uses, including warehousing, distribution, light manufacturing, airport support businesses and assembly operations. They are found in close proximity to major transportation corridors and are generally buffered from surrounding development by traditional uses or landscaped areas that shield the view of structures, loading docks, or outdoor storage from adjacent properties. Below are the development policies for Industrial land use as described in the City of Chesterfield Comprehensive Plan.

- Limit curb cuts on arterial streets, and where possible concentrate access at shared entrance points.
- Primary entrance points should be aligned with access points immediately across the street.
- Connectivity may vary as industrial parks may have low connectivity due to dead ends and lack of connection to adjacent areas.
- Landscape buffering should be utilized between roadways to screen areas of surface parking.

- Residential projects should be limited to areas outside of the Chesterfield Valley.



Figure 3: Land Use map

**STAFF ANALYSIS**

The proposed 40,000 sq. ft. building will be located in the center of the site. There are two access points proposed on the northwest and northeast sides of the subject site connected to Spirit Valley West Drive. The northeast access is the shared access for lot 6 (subject site) and lot 7.

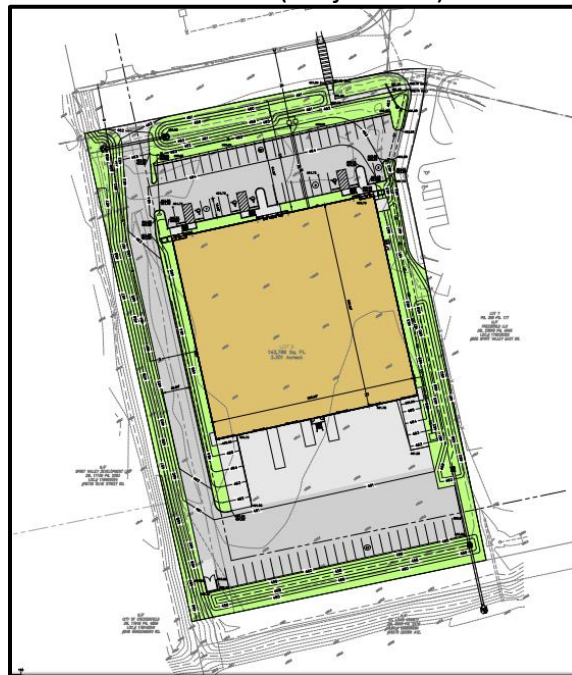


Figure 4: Colored Site Plan

### Site Relationships

The proposed building is 40,000 square feet on 3.3 acres of land. The subject site is lot 6 of Spirit Valley Business Park Subdivision. The Subdivision Concept Plan was approved in 2013, but lot 6 sits vacant. The height of the proposed building is 32'. The buildings present in the Spirit Valley Business Park are between 28' and 32' in height. As per the applicant, the proposed building on site will be a single-story office/warehouse building designed for multiple tenants. The trash enclosure will be located on the south of the subject site i.e. back of the building.

### Circulation System and Access

The site access matches the Spirit Valley Business Park subdivision concept plan. The site is accessed through Spirit Valley West Drive located north of the subject site. There is an existing shared cross access located on the east of the subject site. Internal driveways are 26' wide with two-way access.

### Scale, Topography, Retaining Wall and Screening

The site sits vacant and is surrounded by buildings on the north and east. Surrounding buildings are primarily single-story buildings. The site is relatively flat with a storm water channel present on the west. There is no retaining wall. The roof top mechanical equipment will be screened by a parapet.

### Materials and Color

The four sides of the building façade consist of concrete tilt-up panels painted analytical gray. The front of the building has a combination of two painted concrete panels, oak leaf brown and analytical gray. The front elevation (north side elevation) has horizontal and vertical reveals. The windows on the east are glass in anodized aluminum frame. 15" high X 3" deep pre-finished metal accent eyebrows run above the window. There are six overhead doors located at the back of the building.

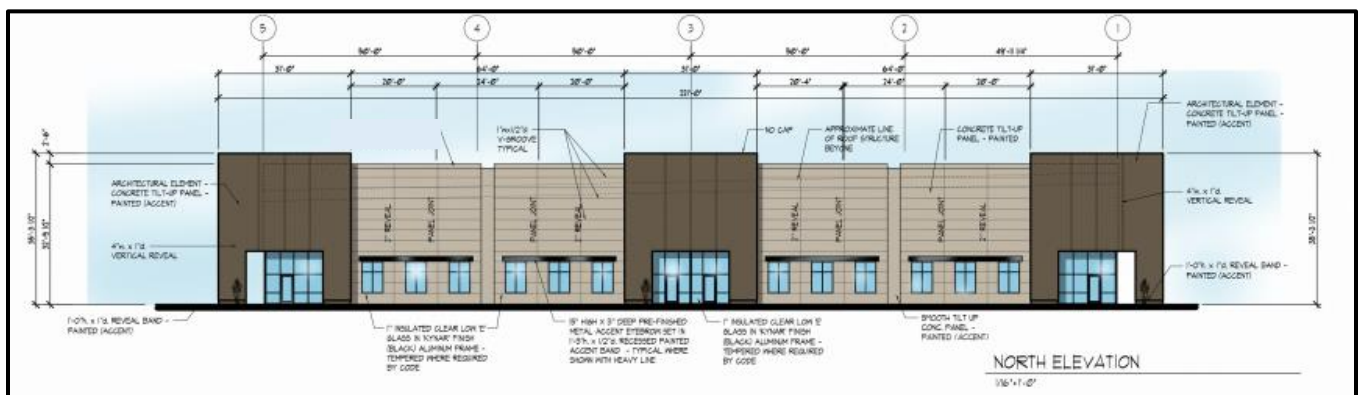


Figure 5: North side Elevation

### Lighting

There are five (5) different types of light fixtures proposed for this development. There are five (5) wall lights and eight (8) pole lights.

### Landscaping

The proposed landscape plan of the site consists of ten (10) different types of tree canopies, three (3) evergreen trees, eight (8) different types of shrubs and ground cover, and three (3) different types of ornamental trees. There are two bio-retention basins on the east and south of the subject site.



Figure 6: Proposed Landscaping

### Rendering



Figure 7: View from Spirit Valley West Drive

### **ARB Meeting Report**

The project was reviewed by the Architectural Review Board on November 10, 2022. At that time, the Board passed a motion to forward the Site Development Section Plan, Landscape Plan, Lighting Plan, and Architectural Elevations to the Planning Commission with a recommendation to approve as presented.

### **DEPARTMENTAL INPUT**

Staff has reviewed this proposed development and found it to be in compliance with the City’s Unified Development Code and site-specific ordinances. All outstanding comments have been addressed at this time. Staff recommends approval of the Site Development Section Plan, Landscape Plan, Lighting Plan, and Architectural Elevations for Spirit Valley Business Park, Lot 6, 675 Spirit Valley West Drive.

### **MOTION**

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

- 1) “I move to approve (or deny) the Site Development Section Plan, Landscape Plan, Lighting Plan and Architectural Elevations for Spirit Valley Business Park, Lot 6 as presented.”
- 2) “I move to approve the Site Development Section Plan, Landscape Plan, Lighting Plan and Architectural Elevations for Spirit Valley Business Park, Lot 6 with the following conditions...”  
(Conditions may be added, eliminated, altered or modified)

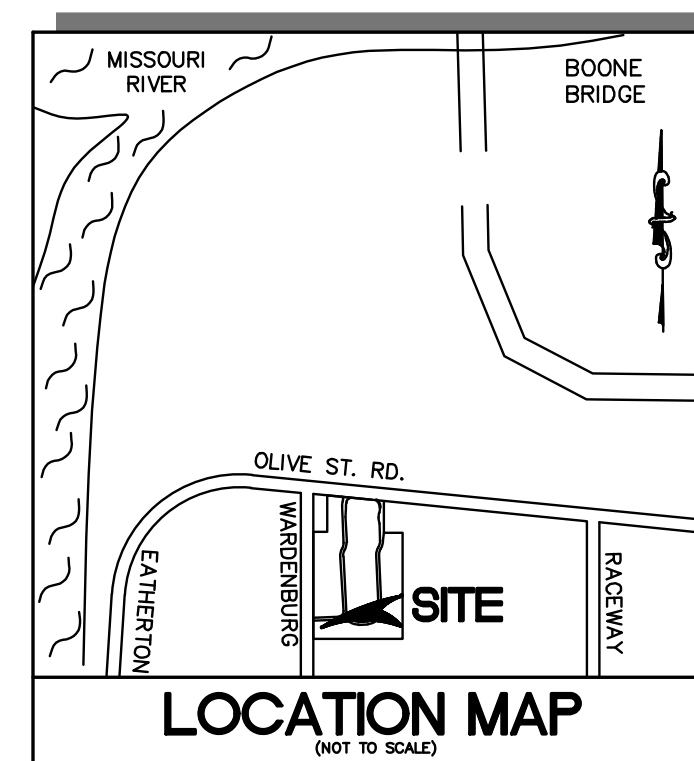
Attachments: Site Development Section Plan Packet

# LOT 6 OF SPIRIT VALLEY BUSINESS PARK - SITE DEVELOPMENT SECTION PLAN

A TRACT OF LAND BEING PART OF LOT 6 OF SPIRIT VALLEY BUSINESS PARK AS RECORDED IN PLAT BOOK 356 PG. 177, AND BEING LOCATED IN TOWNSHIP 45 NORTH, RANGE 3 EAST OF THE 5TH PRINCIPAL MERIDIAN, CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI

## LEGEND

EXISTING CONTOURS	---
PROPOSED CONTOURS	---
EXISTING SANITARY SEWERS	---○---
EXISTING STORM SEWERS	---□---
PROPOSED SANITARY SEWERS	---●---
PROPOSED STORM SEWERS	---■---
EXISTING RIGHT-OF-WAY	---
PROPOSED RIGHT-OF-WAY	---
CENTERLINE	---
EASEMENT	---
NOTES PARKING SPACES	(18)
GUY WIRE	↑
EXISTING SPOT ELEVATION	+ EX. 120.15
PROPOSED SPOT ELEVATION	+ 120.10
SWALE	---
TO BE REMOVED	T.B.R.
TO BE REMOVED & RELOCATED	T.B.R. & R.
TO BE USED IN PLACE	U.I.P.
BACK OF CURB	B.C.
FACE OF CURB	F.C.
TRASH ENCLOSURE	⊗
EXISTING LIGHT STANDARD	☼
GAS MAIN	G
WATER MAIN	W
UNDERGROUND TELEPHONE	T
UNDERGROUND TELEPHONE	ⓔ



## SHEET INDEX

- SDSP-1 - TITLE SHEET
- SDSP-2 - SITE PLAN
- SDSP-3 - PHOTOMETRIC PLAN

## SITE INFORMATION

ADDRESS LOT 6	= 675 SPIRIT VALLEY WEST DRIVE CHESTERFIELD, MO 63005
SITE AREA	= 3.3 ACRES
OWNER	= SPIRIT VALLEY DEVELOPMENT, LLC
OWNER UNDER CONTRACT	= F. JACK ANDERSON, JR. AND LAURA B. ANDERSON
LOCATOR #	= 17W140030
CITY	= CITY OF CHESTERFIELD
ZONING	= "PI" PLANNED INDUSTRIAL
FLOOD MAP	= 29189C0145K
SEWER DISTRICT	= MSD
WATERSHED	= MISSOURI RIVER
FIRE DISTRICT	= MONARCH CHESTERFIELD
SCHOOL DISTRICT	= ROCKWOOD R-6
ELECTRIC SERVICE	= AMEREN
GAS SERVICE	= LACLEDE GAS
PHONE SERVICE	= ATT
WATER SERVICE	= MO. AMERICAN WATER CO.
CABLE SERVICE	= CHARTER COMMUNICATIONS

## PARKING CALCULATIONS

REQUIRED PARKING:	
(MINIMUM)	
OFFICE:	3.3/1,000 GFA = 3.3/1,000 x 20,000 = 66 SPACES
WAREHOUSE:	2 SPACES FOR EVERY 3 EMPLOYEES ON THE MAXIMUM SHIFT (6 EMPLOYEES = 4 SPACES)
TOTAL PERMITTED (MINIMUM):	70 SPACES
(MAXIMUM)	
OFFICE:	4.5/1,000 GFA = 4.5/1,000 x 20,000 = 90 SPACES
WAREHOUSE:	1.2 SPACES PER EMPLOYEE ON THE MAXIMUM SHIFT (6 EMPLOYEES = 7 SPACES)
TOTAL PERMITTED (MAXIMUM):	97 SPACES
TOTAL PROVIDED:	71 SPACES (4 ACCESSIBLE)
REQUIRED LOADING:	10x40 LOADING SPACE (1) 10x25 LOADING SPACE (2)
TOTAL REQUIRED:	3 SPACES
TOTAL PROVIDED:	3+ SPACES

## OPENSOURCE CALCULATIONS

TOTAL SITE AREA:	143,746 S.F.
BUILDING:	40,000 S.F.
VEHICLE PAVEMENT:	59,369 S.F.
PERCENT OPENSOURCE:	$[(143,746 - (40,000 + 59,369)) / 143,746] \times 100 = 30.87\%$

## ABBREVIATIONS

W	- WATER	DB	- DEED BOOK
E	- ELECTRIC	PB	- PLAT BOOK
OE	- OVERHEAD ELECTRIC	PG	- PAGE
UE	- UNDERGROUND ELECTRIC	(_W)	- RIGHT-OF-WAY WIDTH
G	- GAS	(REC)	- RECORD INFORMATION
T	- TELEPHONE	FT	- FEET
TBR	- TO BE REMOVED	N/F	- NOW OR FORMERLY
TBR & R	- TO BE REMOVED AND REPLACED	FND	- FOUND
UIP	- USE IN PLACE	SQ	- SQUARE
ATG	- ADJUST TO GRADE	CO	- CLEANOUT
BC	- BACK OF CURB	MH	- MANHOLE
FC	- FACE OF CURB	AI	- AREA INLET
TW	- TOP OF WALL	CI	- CURB INLET
BW	- BOTTOM OF WALL	GI	- GRATE INLET
PVMT	- PAVEMENT	YD	- YARD DRAIN
ASPH	- ASPHALT	PVC	- POLYVINYL CHLORIDE PIPE
CONC	- CONCRETE	RCP	- REINFORCED CONCRETE PIPE
GRND	- GROUND	CMP	- CORRUGATED METAL PIPE
FG	- FINISHED GRADE	VCP	- CLAY PIPE
FF	- FINISHED FLOOR	FL	- FLOWLINE
LL	- LOWER LEVEL	TS	- TAILSTAKE
TT	- TOP OF TURF	ELEV, EL	- ELEVATION
TC	- TOP OF CURB	PROP, PR	- PROPOSED
SG	- SUBGRADE	EXIST, EX	- EXISTING
MG	- METHANE GAS	TYP	- TYPICAL
		BMP	- BEST MANAGEMENT PRACTICES
		SWPPP	- STORMWATER POLLUTION PREVENTION PLAN

## NOTES

- BOUNDARY AND TOPOGRAPHICAL SURVEY BY STOCK AND ASSOCIATES CONSULTING ENGINEERS, INC. (BASIS OF BEARINGS: MISSOURI STATE PLANE, GRID NORTH)
- SUBJECT PROPERTY LIES WITHIN FLOOD ZONE "X" (AREAS OF 500-YEAR FLOOD; AREAS OF 100-YEAR FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 100-YEAR FLOOD) ACCORDING TO THE NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP FOR ST. LOUIS COUNTY, MISSOURI AND INCORPORATED AREAS PER MAP NO. 29189C0145K WITH AN EFFECTIVE DATE OF FEBRUARY 4, 2015 WITH AN ELEVATION OF 460.
- 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.
- 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 AND MSD.
- ALL PROPOSED UTILITIES SHALL BE CONSTRUCTED TO THE CITY OF CHESTERFIELD STANDARDS.
- ALL GRADING AND DRAINAGE TO BE IN CONFORMANCE WITH THE CITY OF CHESTERFIELD AND MSD STANDARDS.
- STORM WATER SHALL BE DISCHARGED AT AN ADEQUATE NATURAL DISCHARGE POINT. SINKHOLES ARE NOT ADEQUATE DISCHARGE POINTS.
- THE MAXIMUM HEIGHT OF BUILDINGS SHALL NOT EXCEED FORTY (40) FEET.
- THIS SITE DEVELOPMENT SECTION PLAN WILL ADHERE TO THE PARKING AND LOADING REGULATIONS OF THE CITY OF CHESTERFIELD CODE.
- NO PARKING SHALL BE PERMITTED ON ANY ROADWAY IN OR ADJACENT TO THE DEVELOPMENT AS REQUIRED BY THE SITE SPECIFIC ORDINANCE.
- ALL UTILITIES WILL BE INSTALLED UNDERGROUND. THE DEVELOPMENT OF THIS PARCEL WILL COORDINATE THE INSTALLATION OF ALL UTILITIES IN CONJUNCTION WITH THE CONSTRUCTION OF ANY ROADWAY.
- SIGNAGE IN ACCORDANCE WITH THE REQUIRED SPIRIT VALLEY SIGN PACKAGE SHALL BE PROVIDED FOR THIS LOT.
- ALL LIGHTING SHALL CONFORM TO THE LIGHTING ORDINANCE OF THE CITY OF CHESTERFIELD
- PLANS SUBJECT TO CHANGE PENDING AGENCY REVIEWS AND FINAL ENGINEERING.
- ALL UTILITY BOXES, INCLUDING TRANSFORMERS AND METERS, EXCEPT WHEN FLUSH WITH GROUND, WILL BE SCREENED AS REQUIRED BY CITY OF CHESTERFIELD CODE (APPENDIX A. SECTION 1003.177.11(D)).
- ALL ROOF TOP MOUNTED EQUIPMENT SHALL BE SCREENED.

## ST. LOUIS COUNTY STANDARD NOTES

- ALL PROPOSED IMPROVEMENTS SHALL BE CONSTRUCTED TO ST. LOUIS COUNTY STANDARDS.
- NO SLOPES WITHIN ST. LOUIS COUNTY RIGHT-OF-WAY SHALL EXCEED 3 (HORIZONTAL) TO 1 (VERTICAL).
- STORM WATER SHALL BE DISCHARGED AT AN ADEQUATE NATURAL DISCHARGE POINT. SINKHOLES ARE NOT ADEQUATE DISCHARGE POINTS.
- ALL PROPOSED ACCESS TO ST. LOUIS COUNTY ROADS SHALL MEET MINIMUM ST. LOUIS COUNTY SIGHT DISTANCE REQUIREMENTS.
- ALL GRADING AND DRAINAGE SHALL BE IN CONFORMANCE WITH ST. LOUIS COUNTY STANDARDS.
- 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.
- UTILITY WORK WITHIN COUNTY RIGHT-OF-WAY OR EASEMENT REQUIRES A SEPARATE SPECIAL USE PERMIT.
- 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.
- PRIOR TO "SPECIAL USE PERMIT" ISSUANCE BY THE ST. LOUIS COUNTY DEPARTMENT OF HIGHWAYS AND TRAFFIC, A SPECIAL CASH ESCROW OR A SPECIAL ESCROW SUPPORTED BY AN IRREVOCABLE LETTER OF CREDIT, MAY BE REQUIRED TO BE ESTABLISHED WITH THE ST. LOUIS COUNTY DEPARTMENT OF HIGHWAYS AND TRAFFIC TO GUARANTEE COMPLETION OF THE REQUIRED ROADWAY IMPROVEMENTS.
- THIS PROJECT DOES NOT INCLUDE WORK WITHIN ST. LOUIS COUNTY RIGHT-OF-WAY OR EASEMENT
- THE PROJECT'S REQUIRED TRAFFIC GENERATION ASSESSMENT SHALL BE DEPOSITED WITH ST. LOUIS COUNTY PRIOR TO ISSUANCE OF ANY BUILDING PERMITS FOR THIS PROJECT.

## SURVEYOR'S CERTIFICATION

This is to certify that Stock and Associates Consulting Engineers, Inc. has prepared this Site Development Section Plan from a field survey and does not represent a property boundary survey. The information shown is a correct representation of all existing and proposed land divisions.

STOCK AND ASSOCIATES CONSULTING ENGINEERS INC.

WALTER J. PFLEGER, MISSOURI L.S. NO. 2008-000728

## GEOTECHNICAL STATEMENT

SOI ENGINEERING, INC., at the request of Keystone Construction Company has provided geotechnical services for the project proposed herein. A geotechnical investigation titled "675 Spirit Valley West Drive, Chesterfield, Missouri", SCI No: 2022-1011.10, dated September, 2022. 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.

\_\_\_\_\_, the owner(s) of the property shown on this plan for and in consideration of being granted approval of said plan to develop property under the provisions of Section 03. \_\_\_\_\_, "PI" - Planned Industrial of City of Chesterfield (applicable subsection) (present zoning) 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):

(Print Name):

State of \_\_\_\_\_ }  
County of \_\_\_\_\_ } SS.

On this \_\_\_\_\_ day of \_\_\_\_\_, A.D., 2022, before me personally appeared \_\_\_\_\_, to me known, who, being by me sworn in, did say that he/she is the \_\_\_\_\_ of \_\_\_\_\_ 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 \_\_\_\_\_ acknowledged said instrument to be the free act and deed of said corporation.

(Notary Public):

(Print Name):

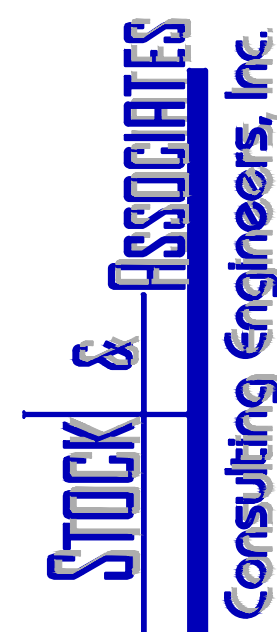
This Site Development Section Plan was approved by the City of Chesterfield Planning Commission and duly verified on the \_\_\_\_\_ day of \_\_\_\_\_, 2022, by the Chairperson of said Commission, authorizing the recording of this Amended Site Development Section Plan, pursuant to Chesterfield Ordinance 200, as attested by the Director of Planning and Development Services and the City Clerk.

CITY OF CHESTERFIELD, MISSOURI

By: \_\_\_\_\_  
Justin Wyse, AICP, Director of Planning  
City of Chesterfield, Missouri

By: \_\_\_\_\_  
Vickie McGownd, City Clerk  
City of Chesterfield, Missouri

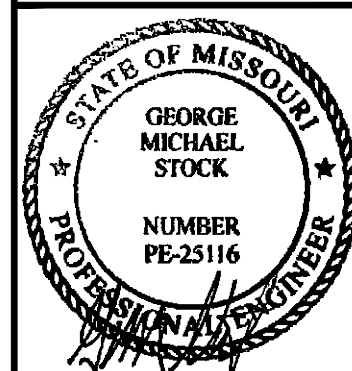
PREPARED BY:



SITE PLAN FOR:

LOT 6 - SPIRIT VALLEY BUSINESS PARK

675 SPIRIT VALLEY WEST DRIVE



10/19/2022  
GEORGE M. STOCK E-25116  
CIVIL ENGINEER  
CERTIFICATE OF AUTHORITY  
NUMBER: 000996

## REVISIONS:

1 CITY COMMENTS 10/19/2022

DRAWN BY:	L.C.W.	CHECKED BY:	G.M.S.
DATE:	09/21/22	JOB NO:	222-7293
M.S.D. P #:		BASE MAP #:	
S.L.C. H&T #:		H&T S.U.P. #:	
M.D.N.R. #:		MO-:	

SHEET TITLE:

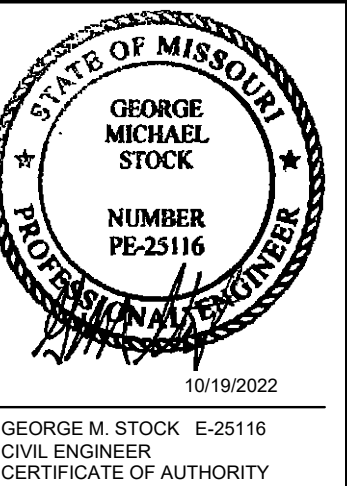
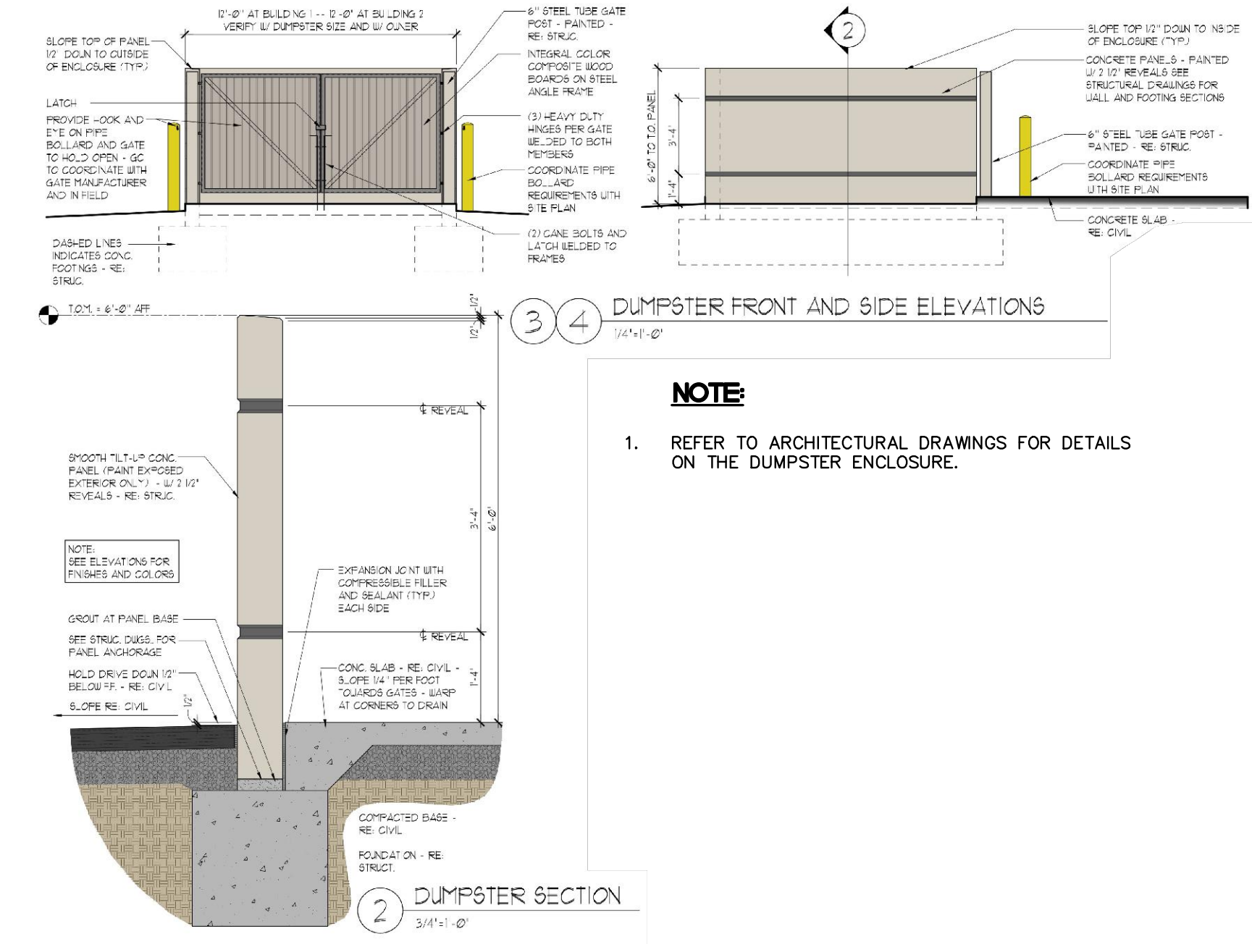
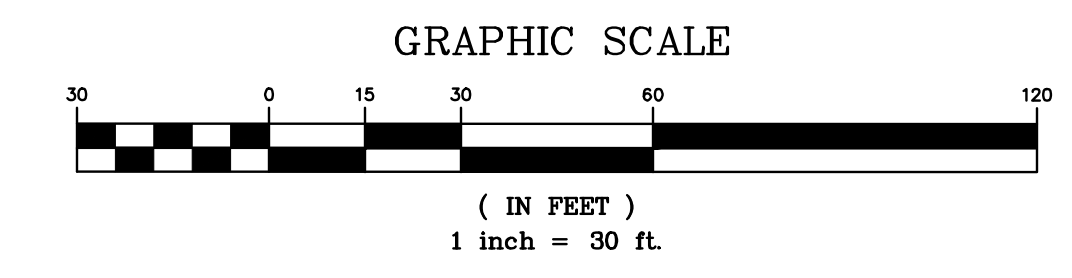
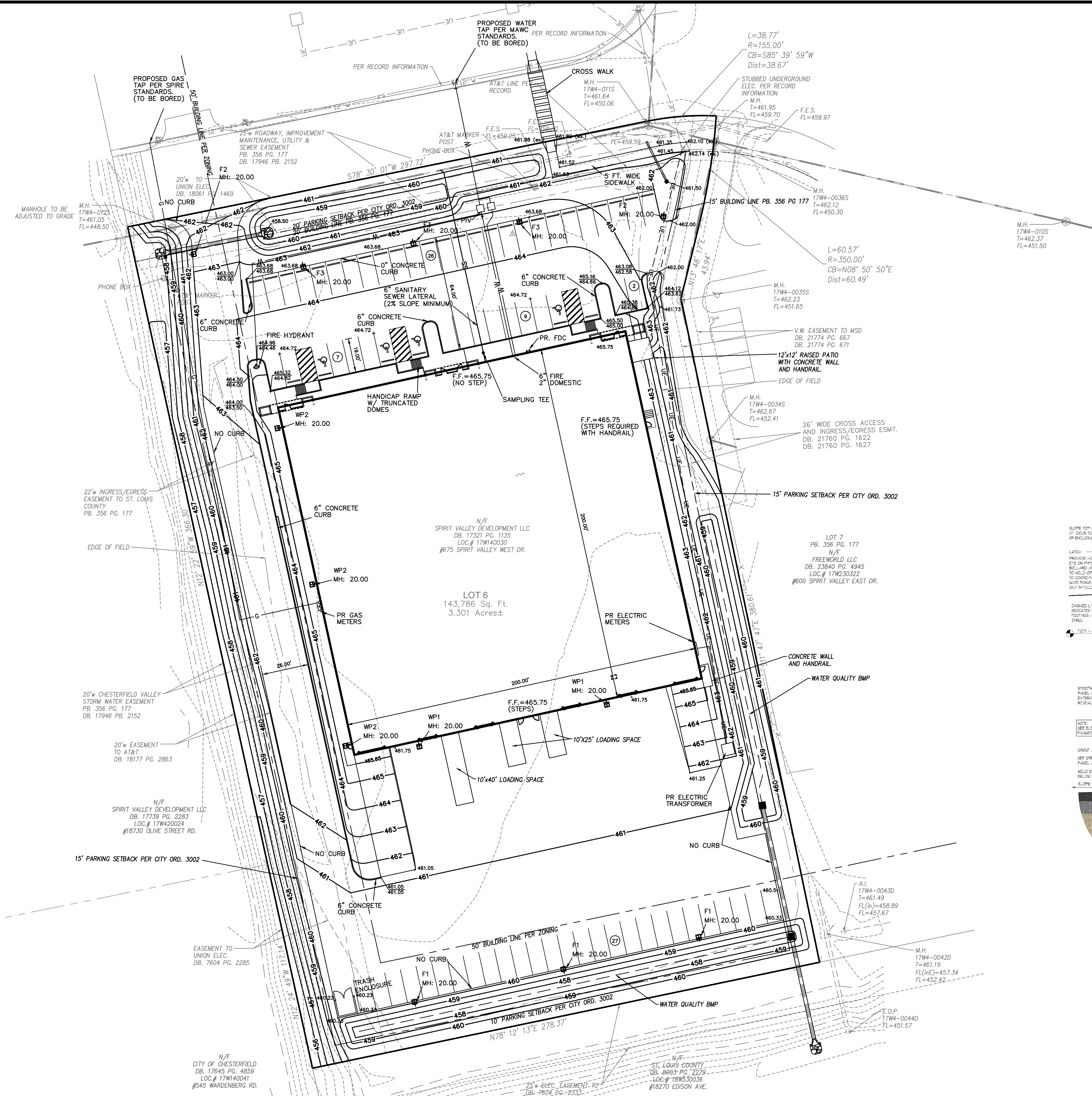
TITLE SHEET

SHEET NO.:  
SDSP-1

Date

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REVISIONS:

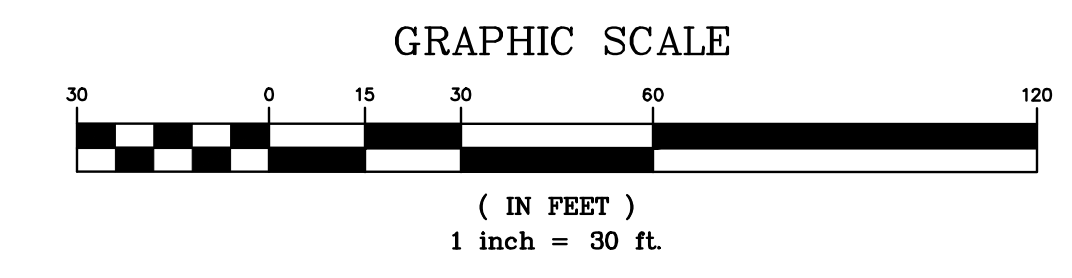
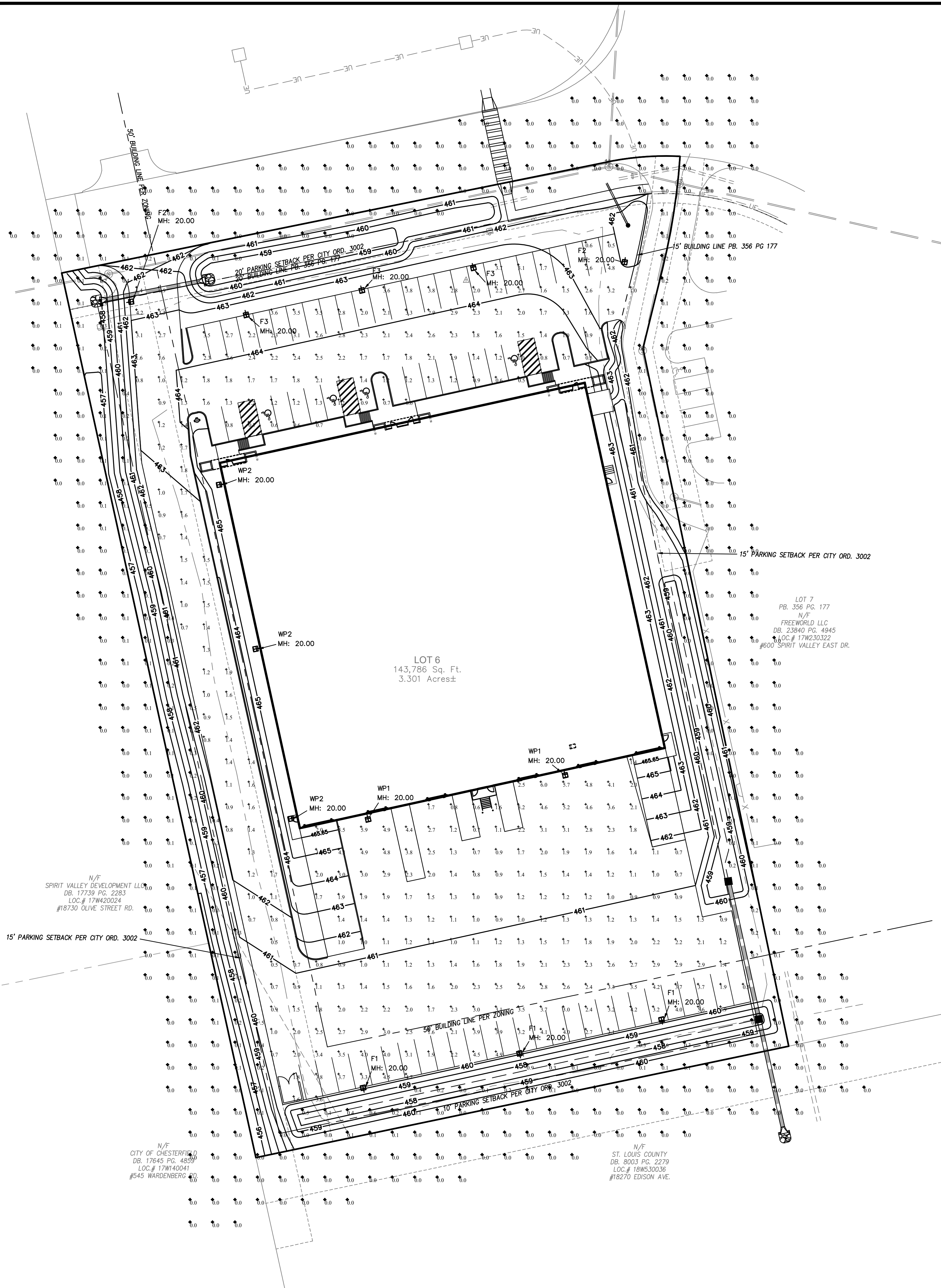
NO.	DESCRIPTION	DATE
1	CITY COMMENTS	10/19/22

DRAWN BY: L.C.W.	CHECKED BY: G.M.S.
DATE: 9/21/22	JOB NO: 222-7293
M.S.D. # 22MSD-0436	BASE MAP #
S.L.C. # -	H&T S.U.P. #
M.D.N.R. # MO-	

SHEET TITLE:  
**SITE PLAN**

SHEET NO.:  
**SDSP-2**





POLE FIXTURES MOUNTED ON 17' POLE & 3' BASE  
LIGHT LEVEL CALCULATED ON THE GROUND

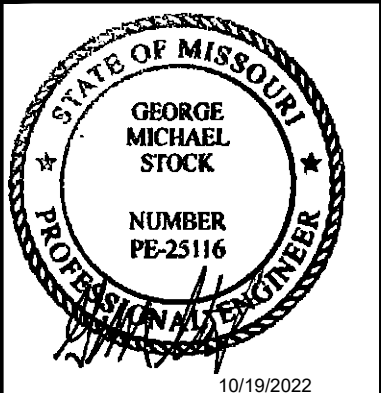
Calculation Summary	Calc Type	Units	Avg	Max	Min	Avg/Min	Max/Min
SITE	Illuminance	Fc	2.02	6.1	0.5	4.0	12.2
SPILL LIGHT	Illuminance	Fc	0.04	0.9	0.0	N.A.	N.A.

Luminaire Schedule	Qty	Label	Arrangement	LLF	Lum. Watts	Total Watts	Description
	3	F1	Single	0.912	184	552	GALN-SA3D-740-U-T4FT-HSS
	2	F2	Single	0.912	57	114	GALN-SA1C-740-U-SLR
	3	F3	Single	0.912	108	324	GALN-SA2C-740-U-T4FT-HSS
	2	WP1	Single	0.912	160	320	GALN-SA3C-740-U-T4FT
	3	WP2	Single	0.912	65	195	GALN-SA1D-740-U-SL3

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 AFFECT ANY OF THE PREVIOUSLY MENTIONED, WILL  
VOID CURRENT LAYOUT AND REQUIRE A CHANGE REQUEST AND RECALCULATION.

PHOTOMETRICS PROVIDED BY OTHERS

SITE PLAN FOR:  
**LOT 6 - SPIRIT VALLEY BUSINESS PARK**  
675 SPIRIT VALLEY WEST DRIVE



10/19/2022  
GEORGE M. STOCK E-25116  
CIVIL ENGINEER  
CERTIFICATE OF AUTHORITY  
NUMBER: 000996

REVISIONS:

NO.	REVISION	DATE
1	CITY COMMENTS	10/19/2022

DRAWN BY: L.C.W.	CHECKED BY: G.M.S.
DATE: 09/21/22	JOB NO: 222-7293
M.S.D. P.#: 22MSD-0436	BASE MAP #:
S.L.C. HAT #:	HAT S.U.P. #:
M.D.N.R. #: MO-	

SHEET TITLE:  
PHOTOMETRIC PLAN

SHEET NO.:  
SDSP-3

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Jerald Saunders - Landscape Architect  
MO License # LA-007

Consultants:

# Lot 6 - Spirit Valley Business Park

675 Spirit Valley West Drive  
Chesterfield, Missouri

Revisions:

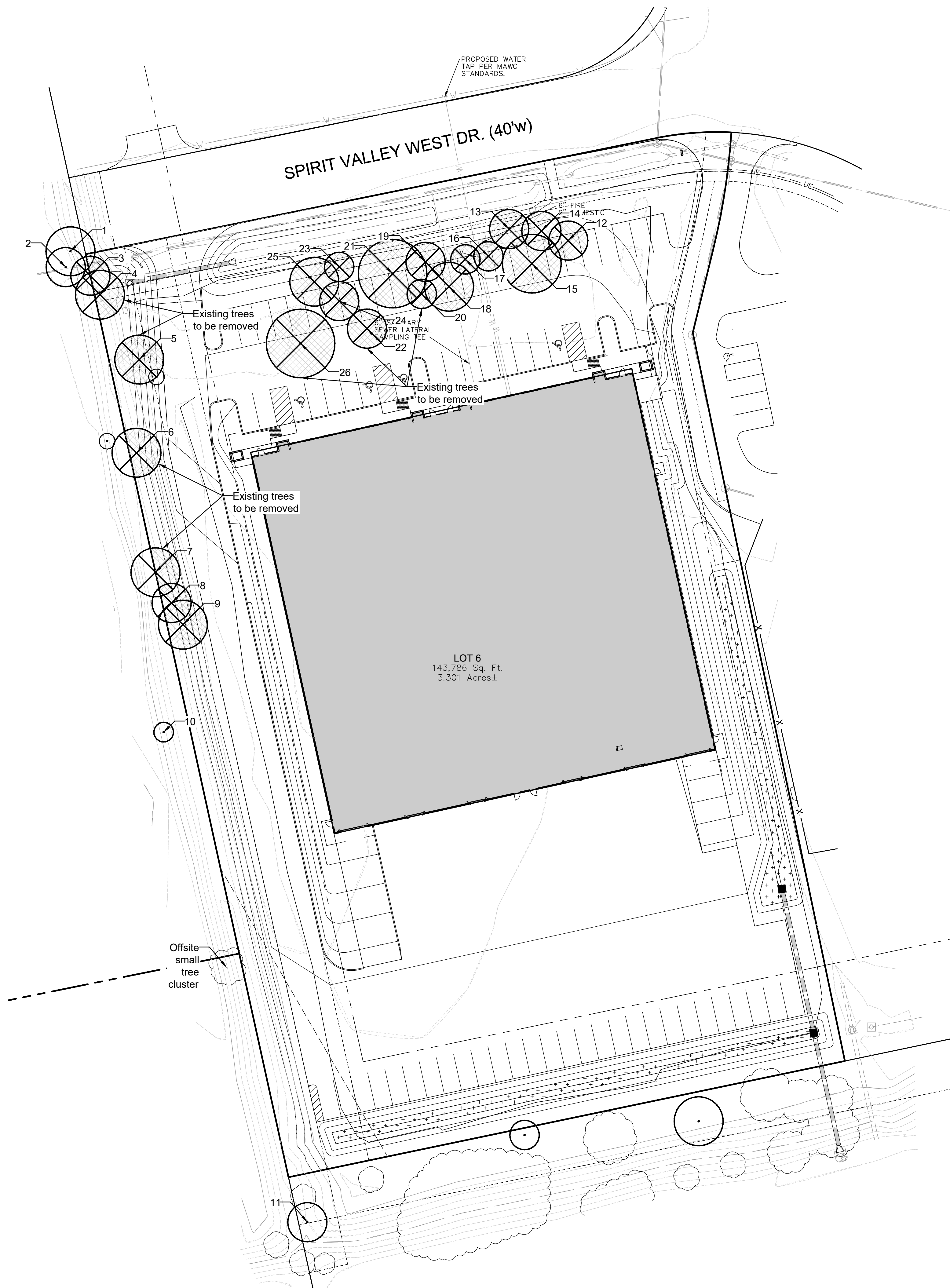
Date	Description	No.

Drawn: KP  
Checked: RS

**LOOMIS ASSOCIATES**  
landscape architects + planners  
750 spirit 40 park drive, chesterfield, missouri 63005  
t. 636-519-8666  
www.loomis-associates.com

Loomis Associates Inc.  
Missouri State Certificate of Authority #: LAC#0000191

Sheet Title:	Tree Preservation Plan
Sheet No.:	<b>TPP</b>
Date:	9/21/22
Job #:	687.020



Tree Inventory						Preserved	To Be Removed
ID	Tree Name	DBH	Canopy Diam.	Condition Rating	Comment		
1	Cottonwood	8	25	Fair	Offsite, multi-stem x 6	X	
2	Cottonwood	7	20	Fair	Offsite, quad	X	
3	Cottonwood	7	20	Fair	At property line, twin		X
4	Cottonwood	7	25	Fair	Multi-stem x 8		X
5	Cottonwood	6	25	Fair	Multi-stem x 6		X
6	Mulberry	3	25	Poor	Clump, in drainage channel		X
7	Cottonwood	7	25	Fair	At property line, quad		X
8	Cottonwood	6	20	Poor	Twin, in drainage channel		X
9	Mulberry	6	25	Fair			X
10	Mulberry	6	10	Fair	Offsite	X	
11	Cottonwood	7	20	Fair	Offsite, in drainage channel	X	
12	Cottonwood	10	20	Fair	Lean		X
13	Cottonwood	15	20	Fair			X
14	Cottonwood	10	20	Fair	Twin		X
15	Cottonwood	11	30	Fair			X
16	Cottonwood	11	15	Fair			X
17	Cottonwood	10	15	Fair			X
18	Cottonwood	14	25	Fair			X
19	Cottonwood	10	20	Fair			X
20	Cottonwood	7	15	Fair			X
21	Cottonwood	16	35	Fair	Lean		X
22	Cottonwood	12	20	Fair	Slight lean		X
23	Cottonwood	11	15	Fair			X
24	Cottonwood	11	20	Fair			X
25	Cottonwood	13	25	Fair			X
26	Cottonwood	14	35	Fair			X

**Total Site Area** = 143,786 s.f. (3.3 acres)  
**Individual Tree Area** = 7,504 s.f. (0.17 acres)  
**Total Existing Tree Canopy Area** = 7,504 s.f. (0.17 acres)  
**Existing Tree Canopy Area To Be Removed** = 7,504 s.f. (0.17 acres) (100 %)

**Tree Preservation Plan Notes:**

All of the trees present on this property or immediately adjacent to this property are volunteer trees, mostly Cottonwood, that have self seeded in the undisturbed moist soil areas of the site. All onsite trees will be removed in order to construct the necessary stormwater improvements to support this development. There are no Monarch trees on this property.

Tree Preservation Plan Prepared under direction of:  
Kristin Provinse  
Certified Arborist MW-6075A

*Kristin Provinse*





Jerald Saunders - Landscape Architect  
MO License # LA-007

Consultants:

# Lot 6 - Spirit Valley Business Park

675 Spirit Valley West Drive  
Chesterfield, Missouri

Revisions:

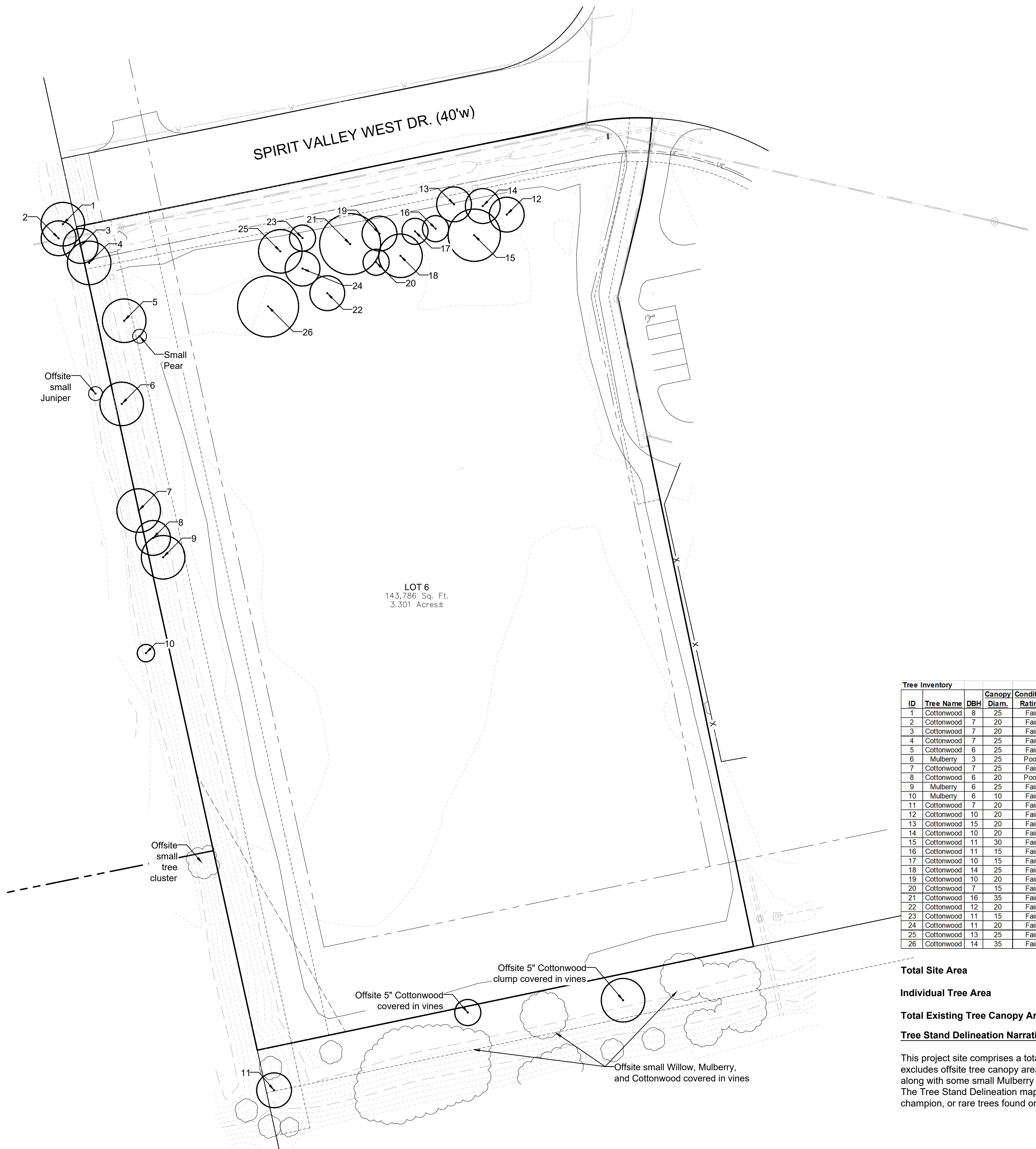
Date	Description	No.

Drawn: KP  
Checked: RS

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750 spirit valley drive, chesterfield, missouri 63005  
t. 636-519-8666  
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Loomis Associates Inc.  
Missouri State Certificate of Authority #: LAC#0000191

Sheet Title:	Tree Stand Delineation
Sheet No.:	TSD
Date:	9/21/22
Job #:	687.020



ID	Tree Name	DBH	Canopy Diam.	Condition Rating	Comment
1	Cottonwood	8	25	Fair	Offsite, multi-stem x 6
2	Cottonwood	7	20	Fair	Offsite, quad
3	Cottonwood	7	20	Fair	At property line, twin
4	Cottonwood	7	25	Fair	Multi-stem x 8
5	Cottonwood	6	25	Fair	Multi-stem x 6
6	Mulberry	3	25	Poor	Clump, in drainage channel
7	Cottonwood	7	25	Fair	At property line, quad
8	Cottonwood	6	20	Poor	Twin, in drainage channel
9	Mulberry	6	25	Fair	
10	Mulberry	6	10	Fair	Offsite
11	Cottonwood	7	20	Fair	Offsite, in drainage channel
12	Cottonwood	10	20	Fair	Lean
13	Cottonwood	15	20	Fair	
14	Cottonwood	10	20	Fair	Twin
15	Cottonwood	11	30	Fair	
16	Cottonwood	11	15	Fair	
17	Cottonwood	10	15	Fair	
18	Cottonwood	14	25	Fair	
19	Cottonwood	10	20	Fair	
20	Cottonwood	7	15	Fair	
21	Cottonwood	16	35	Fair	Lean
22	Cottonwood	12	20	Fair	Slight lean
23	Cottonwood	11	15	Fair	
24	Cottonwood	11	20	Fair	
25	Cottonwood	13	25	Fair	
26	Cottonwood	14	35	Fair	

**Total Site Area** = 143,786 s.f. (3.3 acres)  
**Individual Tree Area** = 7,504 s.f. (0.17 acres)  
**Total Existing Tree Canopy Area** = 7,504 s.f. (0.17 acres)

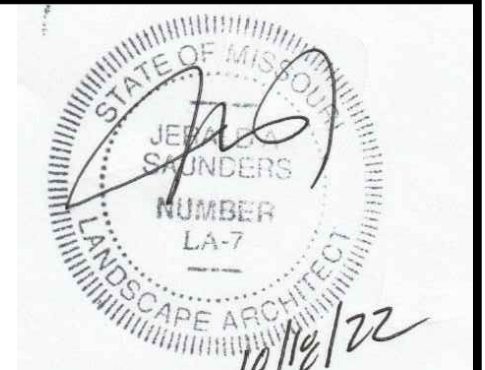
**Tree Stand Delineation Narrative**

This project site comprises a total of 3.3 acres and has a total of 7,504 s.f. of tree canopy which excludes offsite tree canopy area. The majority of the trees found onsite are Cottonwood trees along with some small Mulberry and Willow trees. The Tree Stand Delineation map was completed by field inspection. There are no Monarch, state champion, or rare trees found onsite.

Tree Stand Delineation Prepared under direction of:  
Kristin Provinse  
Certified Arborist MW-6075A

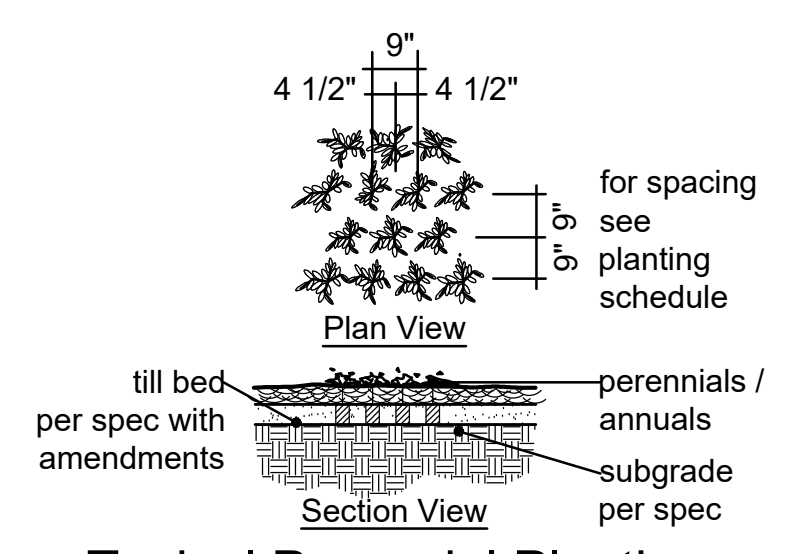
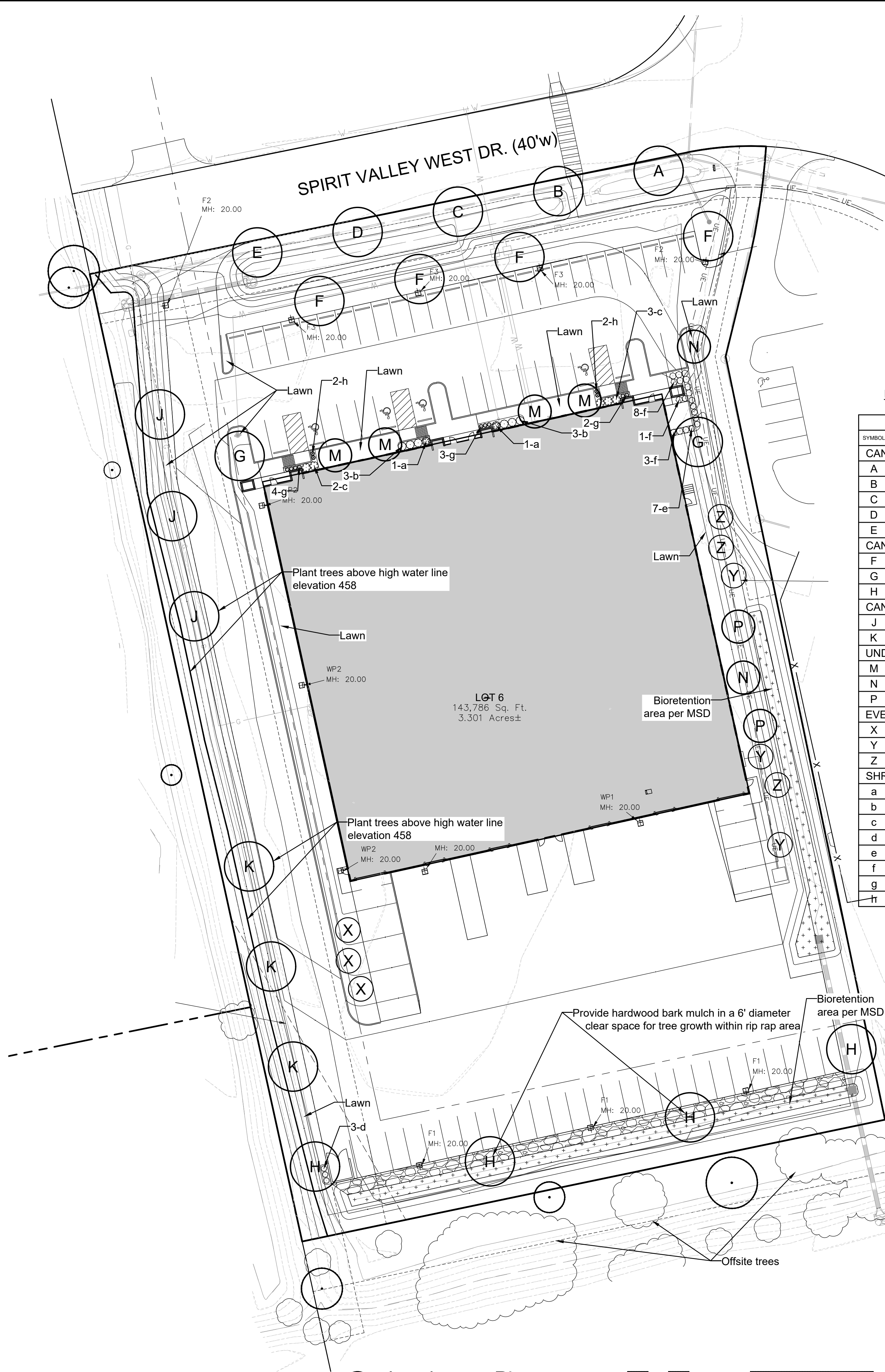
*Kristin Provinse*



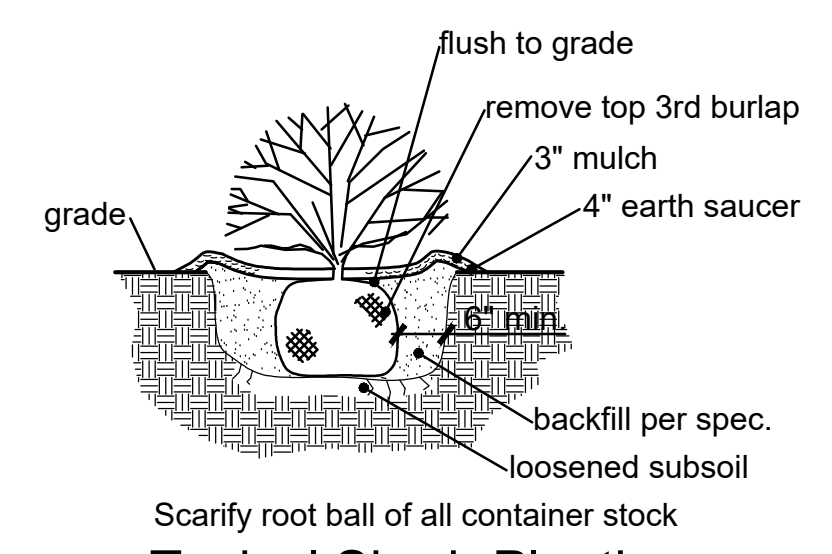


Jerald Saunders - Landscape Architect  
MO License # LA-007

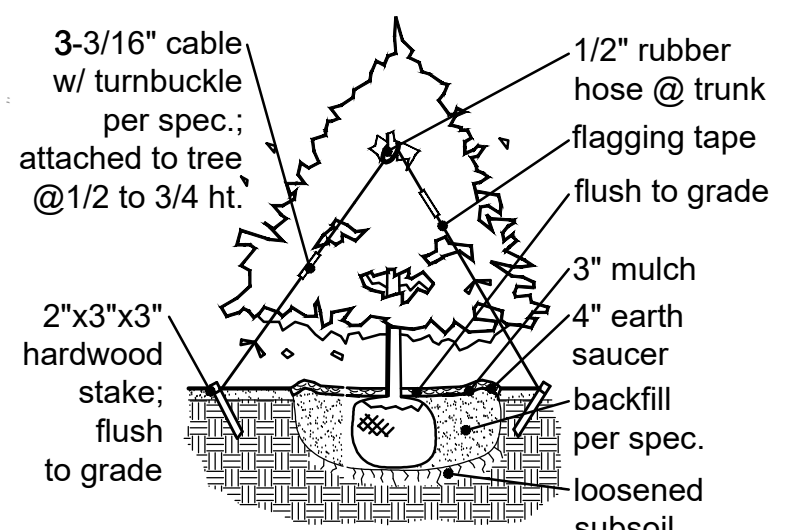
Consultants:



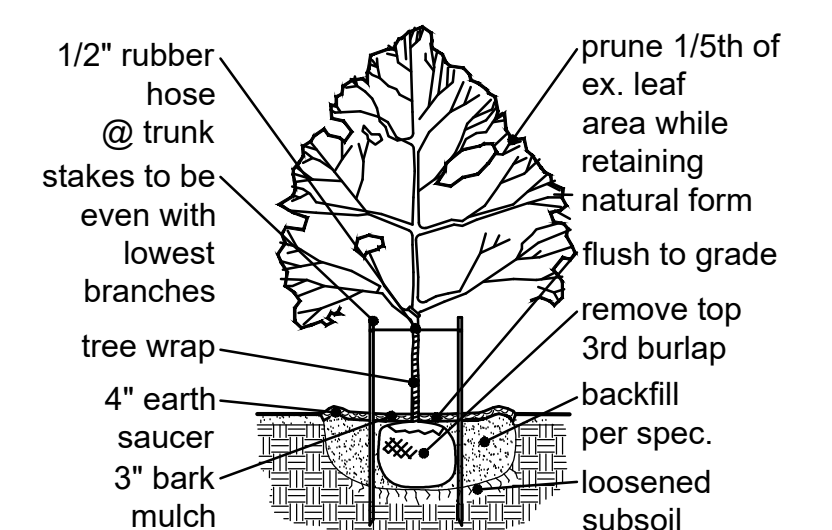
Typical Perennial Planting



Typical Shrub Planting

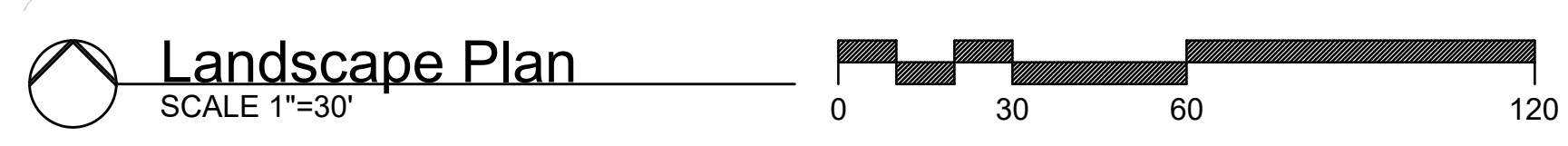


Typical Evergreen Planting



Typical Canopy Tree Planting

PLANTING SCHEDULE							
SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS	SIZE/GROWTH RATE	SLOW/MEDIUM/MATURE HEIGHT (IN FEET)
<b>CANOPY-SHADE (STREET) TREES</b>							
A	1	Quercus rubra	Red Oak	2.5" cal.	B&B	Lg/M-Fast	45+
B	1	Quercus shumardii	Shumard Oak	2.5" cal.	B&B	Lg/M-Fast	45+
C	1	Quercus robur	English Oak	2.5" cal.	B&B	Lg/Medium	2.63 % 45+
D	1	Quercus bicolor	Swamp White Oak	2.5" cal.	B&B	Lg/Medium	2.63 % 45+
E	1	Quercus alba	White Oak	2.5" cal.	B&B	Lg/Medium	2.63 % 45+
<b>CANOPY-SHADE (PARKING LOT) TREES</b>							
F	4	Acer x freemanii 'Jeffersred'	Autumn Blaze Maple	2.5" cal.	B&B	Lg/Fast	45+
G	2	Acer saccharum	Sugar Maple	2.5" cal.	B&B	Lg/Slow-M	5.26 % 45+
H	4	Gleditsia triacanthos f. inermis	Honeylocust (thornless)	2.5" cal.	B&B	Lg/Fast	45+
<b>CANOPY-SHADE TREES</b>							
J	3	Nyssa sylvatica	Blackgum	2.5" cal.	B&B	Lg/Slow-M	7.89 % 45+
K	3	Liriodendron tulipifera	Tuliptree	2.5" cal.	B&B	Lg/Fast	45+
<b>UNDERSTORY-ORNAMENTAL TREES</b>							
M	4	Prunus sargentii 'Columnaris'	Columnar Cherry	2.5" cal.	B&B	Med/Med	10.52 % 30-40
N	2	Carpinus caroliniana	American Hornbeam	2.5" cal.	B&B	Sm/Med	5.26 % 20-35
P	2	Cornus florida	Flowering Dogwood	2.5" cal.	B&B	Sm/Slow-M	5.26 % 15-25
<b>EVERGREEN TREES</b>							
X	3	Picea abies	Norway Spruce	6' h.	B&B	Lg/Med	7.89 % 30-40
Y	3	Picea pungens	Colorado Blue Spruce	6' h.	B&B	Med/Med	7.89 % 30-40
Z	3	Picea glauca	White Spruce	6' h.	B&B	Med/Med	7.89 % 30-40
						Total	65.75 %
<b>SHRUBS-GRASSES-PERENNIALS-ANNUALS-GROUNDCOVER</b>							
a	2	Thuja occidentalis 'Congabe'	Fire Chief Globe Arborvitae	18"	48" o.c.		
b	6	Hydrangea quercifolia 'Munchkin'	Munchkin Oakleaf Hydrangea	18"	48" o.c.		
c	5	Fothergilla gardenii	Dwarf Fothergilla	18"	48" o.c.		
d	3	Ilex x meserveae 'Heckenstar'	Castle Wall Blue Holly	24"	36" o.c.		
e	7	Ilex x meserveae 'SMNIFA'	Castle Keep Blue Holly	18"	36" o.c.		
f	12	Weigela florida 'Elvera'	Midnight Wine Weigela	18"	36" o.c.		
g	9	Thuja occidentalis 'Anna van Vloten'	Anna's Magic Ball Arborvitae	18"	24" o.c.		
h	4	Pennisetum alopecuroides 'Hameln'	Dwarf Fountain Grass	1 gal.	24" o.c.		



**Landscape Notes:**

- 1) All new landscape shall be irrigated with an automatic underground sprinkler system per the City of Chesterfield Unified Code Section 04-02.
- 2) No proposed street trees shall be planted closer than three (3) feet to any curb per UDC.
- 3) No proposed street trees shall be planted closer than twenty-five (25) feet of streetlights, street signs, and intersections per UDC.
- 4) No street trees shall be planted within ten (10) feet of street inlets or manholes per UDC.

**Lot 6 - Spirit Valley Business Park**  
 675 Spirit Valley West Drive  
 Chesterfield, Missouri

Revisions:

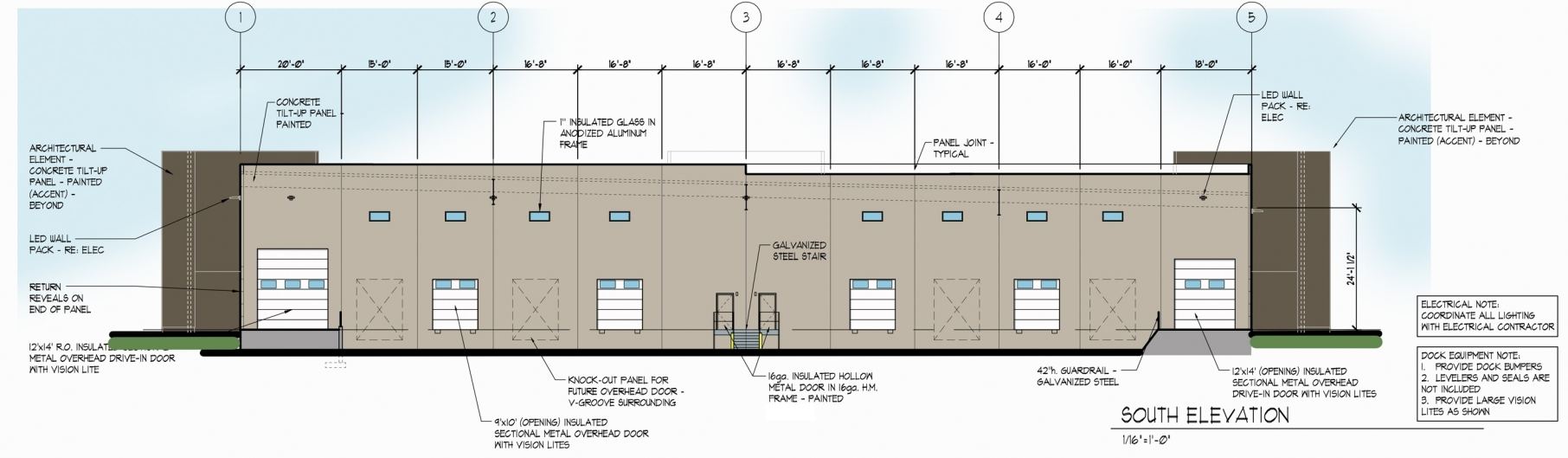
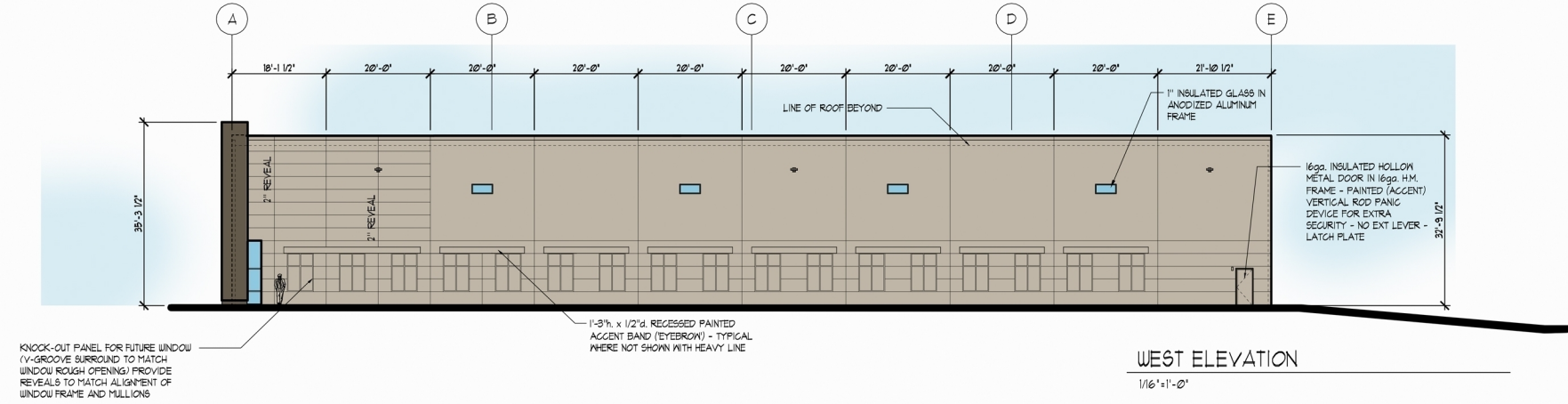
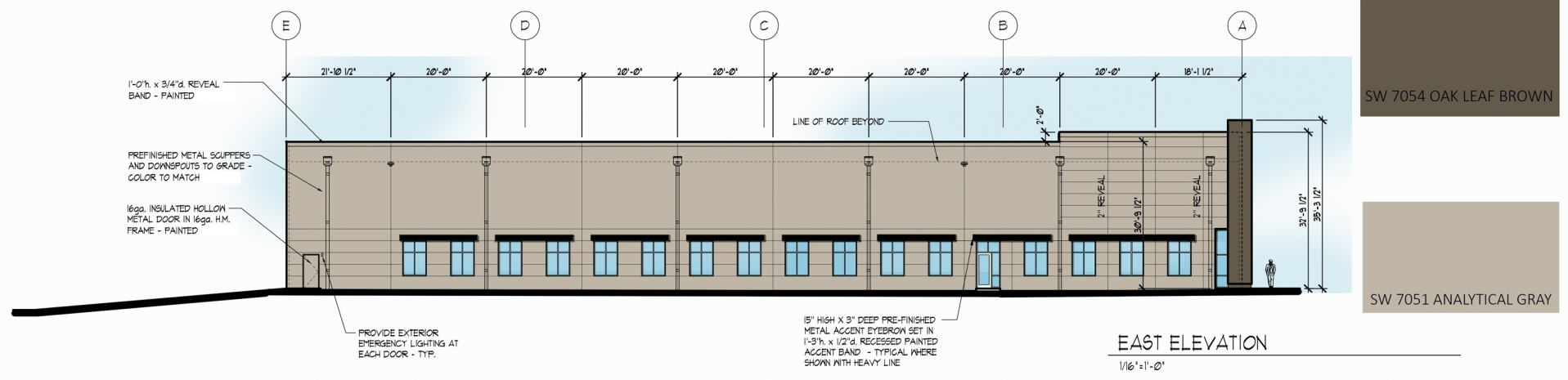
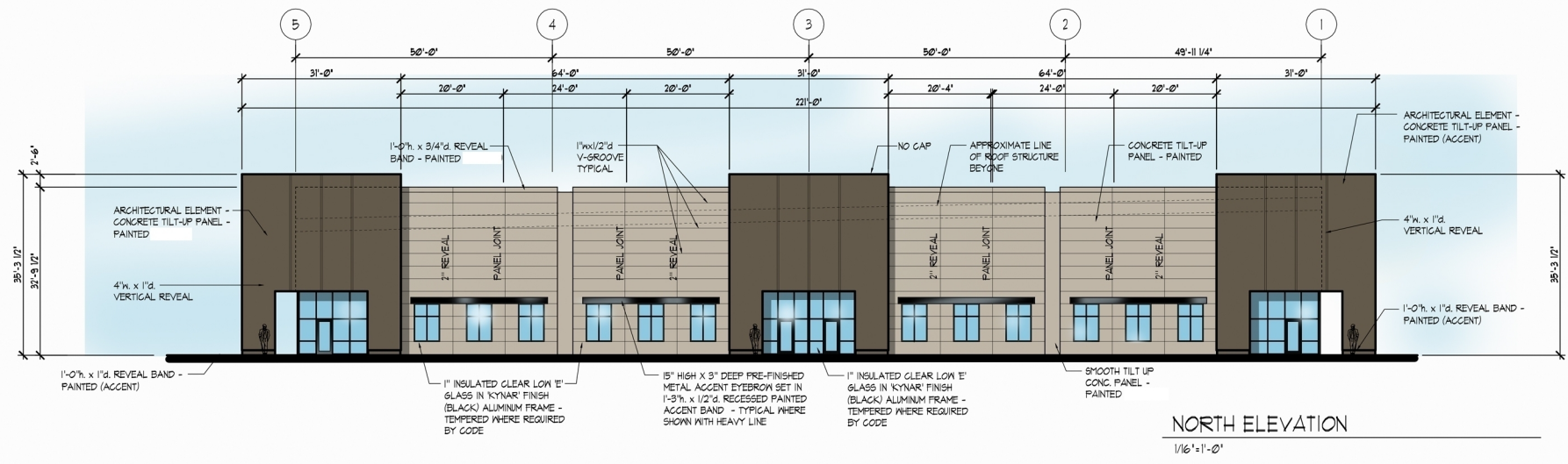
Date	Description	No.
10/18/22	City Comments	1

Drawn: KP  
Checked: RS

**LOOMIS ASSOCIATES**  
 landscape architects + planners  
 750 spirit 40 park drive, chesterfield, missouri 63005  
 t. 636-519-8666 www.loomis-associates.com

Sheet Title:	Landscape Plan
Sheet No.:	L1.01
Date:	9/21/22
Job #:	687.020

Loomis Associates Inc.  
 Missouri State Certificate of Authority # LAC#0000191

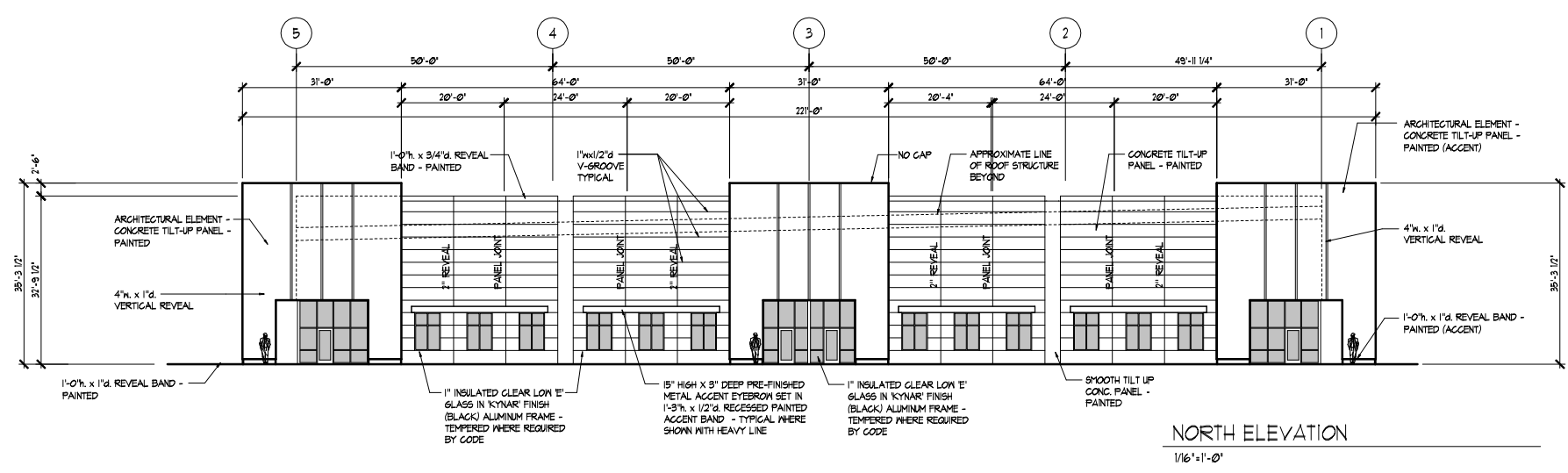


SW 7054 OAK LEAF BROWN

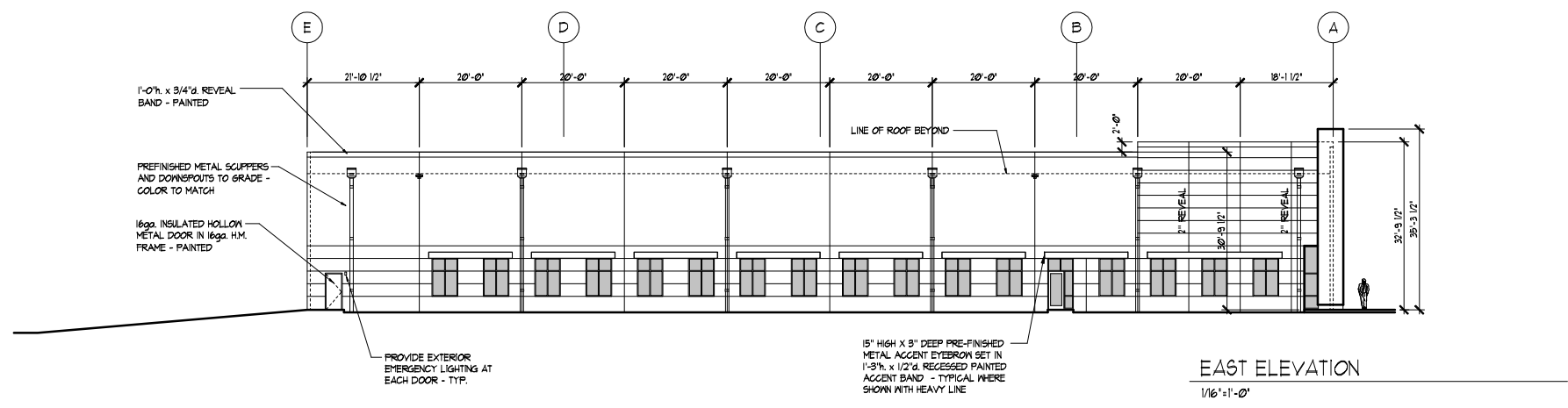
SW 7051 ANALYTICAL GRAY

ELECTRICAL NOTE:  
COORDINATE ALL LIGHTING WITH ELECTRICAL CONTRACTOR

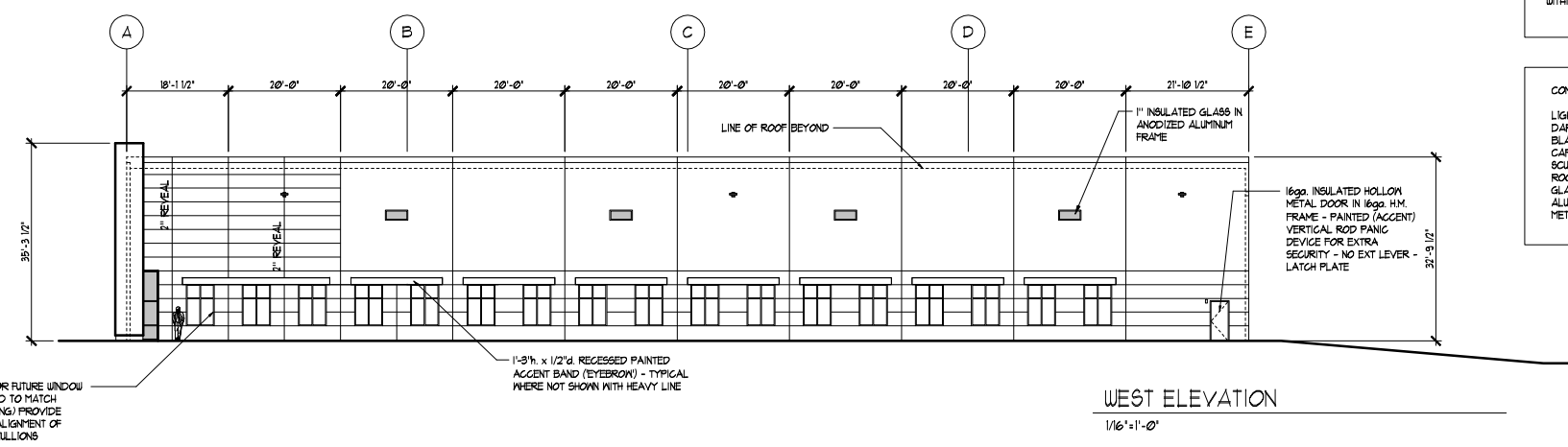
DOCK EQUIPMENT NOTE:  
1. PROVIDE DOCK BUMPERS  
2. LEVELERS AND SEALS ARE NOT INCLUDED  
3. PROVIDE LARGE VISION LITES AS SHOWN



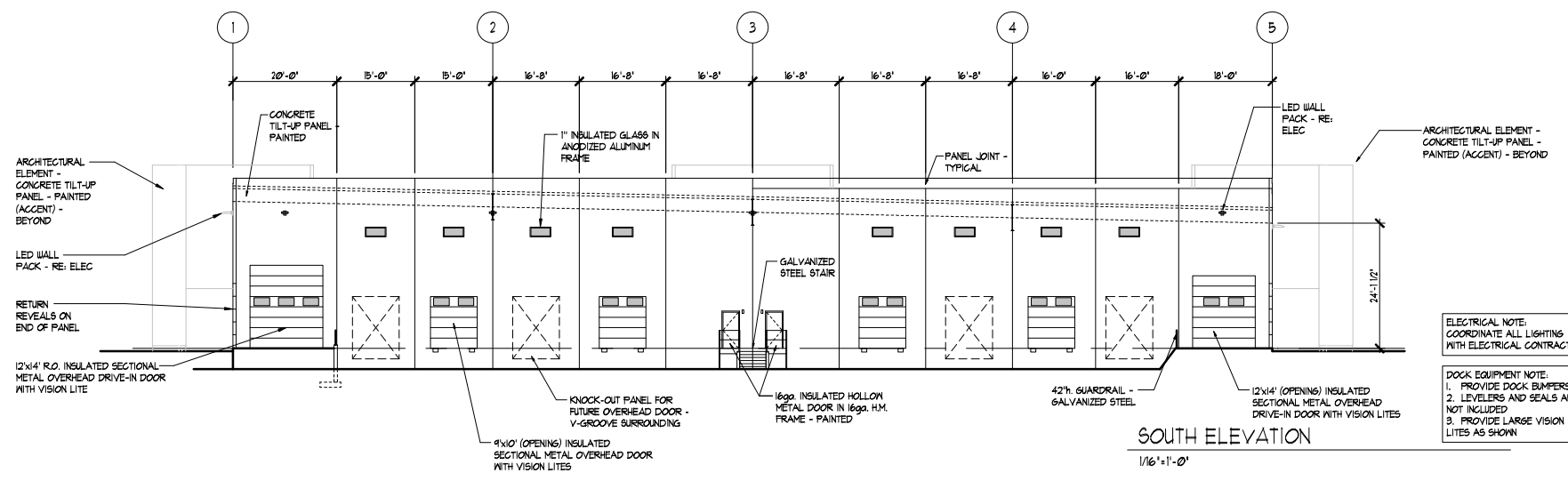
NORTH ELEVATION  
1/16"=1'-0"



EAST ELEVATION  
1/16"=1'-0"



WEST ELEVATION  
1/16"=1'-0"



SOUTH ELEVATION  
1/16"=1'-0"

**ROOF TOP UNITS:**  
THE PROJECT FOR APPROVAL AT THIS TIME DOES NOT INCLUDE ANY TENANT WORK AND THUS THERE ARE NO ROOF TOP UNITS AT THIS TIME. ROOF TOP UNITS WILL BE PERMITTED ALONG WITH THE TENANT IMPROVEMENT DRAWINGS. ROOF TOP UNITS ARE INTENDED TO BE LOCATED AT INTERIOR COLUMN LOCATIONS NEARER TO THE CENTER OF THE BUILDING BEHIND THE FOUR SIDE BUILDING PARAPET AND SHOULD NOT BE VISIBLE FROM THE PUBLIC WAY WITHIN THE BUSBEE PARK.

**CONCRETE PANEL COLORS:**  
LIGHT COLOR: SW 7051 ANALYTICAL GRAY  
DARK COLOR: SW 7054 OAK LEAF BROWN  
BLACK PAINTED EYEBROW: SW6258 TRICORN BLACK  
CAP FLASHING: UNACLAD SANDSTONE  
SCUFFERS AND DOWNSPOUTS: UNACLAD SANDSTONE  
ROOF: WHITE TPO  
GLASS: SOLAR COOL GRAY #2  
ALUMINUM FRAMES: BLACK ANODIZED  
METAL EYEBROWS: SW6258 TRICORN BLACK



**dial** architects  
14364 Manchester Road • Manchester Missouri 63011  
636 230 0400 www.dialarchitects.com

PLAN-ELEV 2  
09-02-22

**ELECTRICAL NOTE:**  
COORDINATE ALL LIGHTING WITH ELECTRICAL CONTRACTOR

**DOCK EQUIPMENT NOTE:**  
1. PROVIDE DOCK BUMPERS  
2. LEVELERS AND SEALS ARE NOT INCLUDED  
3. PROVIDE LARGE VISION LITES AS SHOWN





**Date: Oct 17, 2022**

LIGHTING ASSOCIATES  
3216 S. BRENTWOOD BLVD.  
WEBSTER GROVES MO 63119  
Phone: (314) 531-3500  
Fax: (314) 531-3737

Job Name  
**SPIRIT VALLEY BUSINESS PARK - FOR SUBMITTAL ONLY**  
LAI22-278240  
CHESTERFIELD MO

Bid Date  
Oct 17, 2022

Submittal Date  
Oct 17, 2022

*Engineer:*  
STOCK AND ASSOCIATES CONSULTING ENGINEERS  
257 CHESTERFIELD BUSINESS PARKWAY  
SAINT LOUIS MO 63005





# Transmittal

LIGHTING ASSOCIATES  
3216 S. BRENTWOOD BLVD.  
WEBSTER GROVES MO 63119  
Phone: (314) 531-3500  
From: Geoff Long

**Project** SPIRIT VALLEY BUSINESS PARK - FOR  
SUBMITTAL ONLY

**Quote#** LAI22-278240

**Location** CHESTERFIELD MO  
Contact:

ATTACHED WE ARE SENDING YOU 1 COPY OF THE FOLLOWING ITEM:

- |                                   |   |        |
|-----------------------------------|---|--------|
| <input type="checkbox"/> Drawings | <input type="checkbox"/> Specifications | Other: |
| <input type="checkbox"/> Prints   | <input type="checkbox"/> Information    |        |
| <input type="checkbox"/> Plans    | <input type="checkbox"/> Submittals     |        |

THESE ARE TRANSMITTED FOR:

- |  |   |                                 |
|--|---|---------------------------------|
| <input type="checkbox"/> Prior Approval        | <input type="checkbox"/> Resubmittal for Approval | <input type="checkbox"/> Record |
| <input type="checkbox"/> Approval              | <input type="checkbox"/> Corrections              | Bids due on:                    |
| <input type="checkbox"/> Approval as Submitted | <input type="checkbox"/> Your Use                 | Other:                          |
| <input type="checkbox"/> Approval as Noted     | <input type="checkbox"/> Review and Comment       |                                 |

Qty	Type	MFG	Part
3	F1	MCGRAW	<a href="#">GALN-SA3D-740-U-T4FT-HSS</a>
2	F2	MCGRAW	<a href="#">GALN-SA1C-740-U-SLR</a>
3	F3	MCGRAW	<a href="#">GALN-SA2C-740-U-T4FT-HSS</a>
2	WP1	MCGRAW	<a href="#">GALN-SA3C-740-U-T4FT-WM</a>
3	WP2	MCGRAW	<a href="#">GALN-SA1D-740-U-SL3-WM</a>



**Job Name:**  
SPIRIT VALLEY BUSINESS PARK - FOR  
SUBMITTAL ONLY  
Engineer: STOCK AND ASSOCIATES  
CONSULTING ENGINEERS (SAINT LOUIS)

**Catalog Number:**  
GALN-SA3D-740-U-T4FT-HSS

Notes:

**Type:**

**F1**

LAI22-278240

Project		Catalog #		Type	
Prepared by		Notes		Date	



# McGraw-Edison

## GALN Galleon II

Area / Site Luminaire

### Product Features



### 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 10

### Product Certifications



### Quick Facts

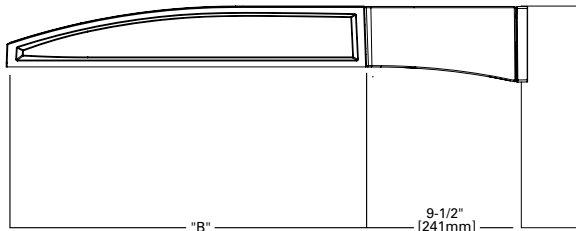
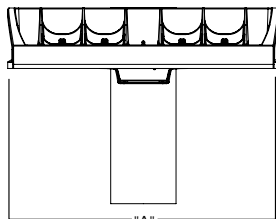
- Lumen packages range from 3,300 - 73,500 (33W - 552W)
- 16 optical distributions
- Efficacy up to 159 lumens per watt

### Connected Systems

- WaveLinX Lite
- WaveLinX

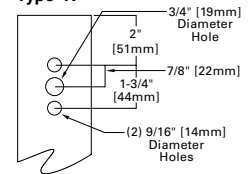
### Dimensional Details

Standard Arm



Pole Drilling Patterns

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)



**Job Name:**  
SPIRIT VALLEY BUSINESS PARK - FOR  
SUBMITTAL ONLY  
Engineer: STOCK AND ASSOCIATES  
CONSULTING ENGINEERS (SAINT LOUIS)

**Catalog Number:**  
GALN-SA3D-740-U-T4FT-HSS

Notes:

Type:

**F1**

LAI22-278240

**McGraw-Edison**

**GALN Galleon II**

**Ordering Information**

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

**PLEASE CONFIRM**

Product Family <sup>1,2</sup>	Light Engine		Color Temperature	Voltage	Distribution	Mounting	Finish
	Configuration	Drive Current					
<b>GALN=Galleon II</b>	<b>SA1=1 Square</b>	<b>A=600mA</b>	<b>722=70CRI, 2200K</b>	<b>H=347V-480V <sup>7,30</sup></b>	<b>T2=Type II</b>	<b>[Blank]=Standard Pole Mount Arm</b>	<b>AP=Grey</b>
<b>BAA-GALN=Galleon II</b>	<b>SA2=2 Squares</b>	<b>B=800mA</b>	<b>727=70CRI, 2700K</b>	<b>1=120V</b>	<b>T2R=Type II Roadway</b>	<b>QM=Standard Pole Mount Arm with Quick Mount Adaptor</b>	<b>BZ=Bronze</b>
<b>Buy American Act Compliant <sup>27</sup></b>	<b>SA3=3 Squares</b>	<b>C=1000mA</b>	<b>730=70CRI, 3000K</b>	<b>2=208V</b>	<b>T3=Type III</b>	<b>PA=Pole Mount, Adjustable</b>	<b>BK=Black</b>
<b>TAA-GALN=Galleon II</b>	<b>SA4=4 Squares</b>	<b>D=1200mA <sup>4,17</sup></b>	<b>735=70CRI, 3500K</b>	<b>3=240V</b>	<b>T3R=Type III Roadway</b>	<b>SP=Slipfitter, Adjustable <sup>8</sup></b>	<b>DP=Dark Platinum</b>
<b>Trade Agreements Act Compliant <sup>27</sup></b>	<b>SA5=5 Squares</b>		<b>740=70CRI, 4000K</b>	<b>4=277V</b>	<b>T4FT=Type IV Forward Throw</b>	<b>MA=Mast Arm, Fixed</b>	<b>GM=Graphite Metallic</b>
	<b>SA6=6 Squares</b>		<b>750=70CRI, 5000K</b>	<b>8=480V <sup>7</sup></b>	<b>14W=Type IV Wide</b>	<b>WM=Wall Mount, Fixed</b>	<b>WH=White</b>
	<b>SA7=7 Squares</b>		<b>760=70CRI, 6000K</b>	<b>9=347V <sup>7,30</sup></b>	<b>5NQ=Type V Narrow</b>	<b>WA=Wall Mount, Adjustable</b>	<b>RALXX=Custom Color</b>
	<b>SA8=8 Squares</b>		<b>827=80CRI, 2700K</b>	<b>DV=277V-480V DuraVolt Drivers <sup>28,30,31</sup></b>	<b>5MQ=Type V Square Medium</b>		
	<b>SA9=9 Squares</b>		<b>830=80CRI, 3000K</b>		<b>5WQ=Type V Square Wide</b>		
			<b>AMB=Amber, 590nm <sup>15,17</sup></b>		<b>SL2=Type II w/Spill Control</b>		
					<b>SL3=Type III w/Spill Control</b>		
					<b>SL4=Type IV w/Spill Control</b>		
					<b>SLL=90° Spill Light Eliminator Left</b>		
					<b>SLR=90° Spill Light Eliminator Right</b>		
					<b>RW=Rectangular Wide Type I</b>		
					<b>AFL=Automotive Frontline</b>		

Options (Add as Suffix)	Controls and Systems Options (Add as Suffix)	Accessories (Order Separately) <sup>28</sup>
<p><b>DIM</b>=External 0-10V Dimming Leads <sup>20</sup></p> <p><b>F</b>=Single Fuse (120, 277 or 347V Specify Voltage)</p> <p><b>FF</b>=Double Fuse (208, 240 or 480V Specify Voltage)</p> <p><b>20K</b>=20kV UL 1449 fused surge protective device <sup>10</sup></p> <p><b>2L</b>=Two Circuits <sup>16</sup></p> <p><b>HA</b>=50°C High Ambient</p> <p><b>HSS</b>=Installed House Side Shield <sup>9,18</sup></p> <p><b>GRSBK</b>=Glare Reducing Shield, Black <sup>23</sup></p> <p><b>GRSWH</b>=Glare Reducing Shield, White <sup>23</sup></p> <p><b>LCF</b>=Light Square Trim Painted to Match Housing <sup>25</sup></p> <p><b>TH</b>=Tool-less Door Hardware <sup>5</sup></p> <p><b>CC</b>=Coastal Construction finish <sup>3</sup></p> <p><b>L90</b>=Optics Rotated 90° Left</p> <p><b>R90</b>=Optics Rotated 90° Right</p> <p><b>AHD145</b>=After Hours Dim, 5 Hours <sup>22</sup></p> <p><b>AHD245</b>=After Hours Dim, 6 Hours <sup>22</sup></p> <p><b>AHD255</b>=After Hours Dim, 7 Hours <sup>22</sup></p> <p><b>AHD355</b>=After Hours Dim, 8 Hours <sup>22</sup></p> <p><b>DALI</b>=DALI Drivers</p>	<p><b>BPC</b>=Button Type Photocontrol <sup>4</sup></p> <p><b>PR</b>=NEMA 3-PIN Photocontrol Receptacle</p> <p><b>PR7</b>=NEMA 7-PIN Photocontrol Receptacle <sup>21</sup></p> <p><b>SPB2</b>=Dimming Motion Sensor, 9'-20' mounting <sup>24</sup></p> <p><b>SPB4</b>=Dimming Motion Sensor, 21'-40' mounting <sup>24</sup></p> <p><b>SPB2/X</b>=Dimming Motion Sensor, limited square count, 9'-20' mounting <sup>24</sup></p> <p><b>SPB4/X</b>=Dimming Motion Sensor, limited square count, 21'-40' mounting <sup>24</sup></p> <p><b>ZW</b>=WaveLinX Module and 4-PIN Receptacle <sup>19</sup></p> <p><b>ZD</b>=WaveLinX Sensor Only, 7'-15ft <sup>19,12,13</sup></p> <p><b>ZW-SWPD4XX</b>=WaveLinX Sensor Only, 7'-15ft <sup>19,12,13</sup></p> <p><b>ZW-SWPD5XX</b>=WaveLinX Sensor Only, 15-40ft <sup>19,12,13</sup></p> <p><b>ZW-WOBXX</b>=WaveLinX Sensor with Bluetooth, 7'-15ft <sup>19,12,13</sup></p> <p><b>ZW-WOFOX</b>=WaveLinX Sensor with Bluetooth, 15-40ft <sup>19,12,13</sup></p> <p><b>ZD-SWPD4XX</b>=WaveLinX Sensor Only, 7'-15ft <sup>19,12,13</sup></p> <p><b>ZD-SWPD5XX</b>=WaveLinX Sensor Only, 15-40ft <sup>19,12,13</sup></p> <p><b>ZD-WOBXX</b>=WaveLinX Sensor with Bluetooth, 7'-15ft <sup>19,12,13</sup></p> <p><b>ZD-WOFOX</b>=WaveLinX Sensor with Bluetooth, 15-40ft <sup>19,12,13</sup></p> <p><b>DIM10-MS/DIM-L20</b>=Synapse Occupancy Sensor (9'-20' Mounting) <sup>19</sup></p> <p><b>DIM10-MS/DIM-L40</b>=Synapse Occupancy Sensor (21'-40' Mounting) <sup>19</sup></p>	<p><b>OA/RA1016</b>=NEMA Photocontrol Multi-Tap - 105-285V</p> <p><b>OA/RA1027</b>=NEMA Photocontrol - 480V</p> <p><b>OA/RA1201</b>=NEMA Photocontrol - 347V</p> <p><b>OA/RA1013</b>=Photocontrol Shorting Cap</p> <p><b>OA/RA1014</b>=120V Photocontrol</p> <p><b>MA1252</b>=10kV Surge Module Replacement</p> <p><b>MA1036-XX</b>=Single Tenon Adapter for 2-3/8" O.D. Tenon</p> <p><b>MA1037-XX</b>=2@180° Tenon Adapter for 2-3/8" O.D. Tenon</p> <p><b>MA1197-XX</b>=3@120° Tenon Adapter for 2-3/8" O.D. Tenon</p> <p><b>MA1188-XX</b>=4@90° Tenon Adapter for 2-3/8" O.D. Tenon</p> <p><b>MA1189-XX</b>=2@90° Tenon Adapter for 2-3/8" O.D. Tenon</p> <p><b>MA1190-XX</b>=3@90° Tenon Adapter for 2-3/8" O.D. Tenon</p> <p><b>MA1191-XX</b>=2@120° Tenon Adapter for 2-3/8" O.D. Tenon</p> <p><b>MA1038-XX</b>=Single Tenon Adapter for 3-1/2" O.D. Tenon</p> <p><b>MA1039-XX</b>=2@180° Tenon Adapter for 3-1/2" O.D. Tenon</p> <p><b>MA1192-XX</b>=3@120° Tenon Adapter for 3-1/2" O.D. Tenon</p> <p><b>MA1193-XX</b>=4@90° Tenon Adapter for 3-1/2" O.D. Tenon</p> <p><b>MA1194-XX</b>=2@90° Tenon Adapter for 3-1/2" O.D. Tenon</p> <p><b>MA1195-XX</b>=3@90° Tenon Adapter for 3-1/2" O.D. Tenon</p> <p><b>SRA238</b>=Adapter kit for mounting to 2-3/8" O.D. Tenon</p> <p><b>LS/HSS</b>=Field Installed House Side Shield <sup>9,18</sup></p> <p><b>LS/GRSBK</b>=Glare Reducing Shield, Black <sup>9,23</sup></p> <p><b>LS/GRSWH</b>=Glare Reducing Shield, White <sup>9,23</sup></p> <p><b>LS/PFS</b>=Perimeter Shield, Black <sup>15</sup></p> <p><b>WOLC-7P-10A</b>=WaveLinX Outdoor Control Module <sup>11,19</sup></p> <p><b>WOA-XX</b>=WaveLinX Wireless Sensor, 7'-15' Mounting Height <sup>12,13,14,19</sup></p> <p><b>WOE-XX</b>=WaveLinX Wireless Sensor, 15'-40' Mounting Height <sup>12,13,14,19</sup></p>

**NOTES:**

- 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.
- DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
- Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654. Not available with TH option.
- Drive current 1200mA not available with color temperatures 722, 727 or 830 when either HA or HSS options are selected.
- TH option not 3G rated. Not available with Coastal Construction (CC) option.
- Not available with voltage options H, 8 or 9.
- 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.
- Adjustable Slipfitter arm limited to vertical 3" tenon. For mounting to 2-3/8" O.D. tenons, order accessory SRA238.
- One required for each Light Square.
- 2L is not available with SPB at 347V or 480V. Not available with WaveLinX or Enlighted sensors, or 20KV surge option.
- Requires PR7.
- Replace XX with sensor color (WH, BZ or BK.)
- 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.
- Requires ZW or ZD receptacle.
- 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.
- Set of 4 pcs. One set required per Light Square.

- Not available with HA option.
- Not for use with 5WQ, 5MQ, or RW optics. A black trim plate is used when HSS is selected.
- Cannot be used with other control options.
- Low voltage control lead brought out 18" outside fixture. Not available with DALI or integrated controls options
- Not available if any SPB, LWR, or WaveLinX sensor is selected. Motion sensor has an integral photocell.
- Requires the use of BPC photocontrol or the PR7 or PR photocontrol receptacle with photocontrol accessory.
- Not for use with T4FT, T4W or SL4 optics. See IES files for details.
- Sensor configuration mobile application required for configuration. See controls page for details.
- Replace X with number of Light Squares controlled by the SPB, referencing the "SPB/X Availability Table" on the controls page.
- Not available with HSS, GRSWH or GRSBK.
- 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 DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
- For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
- DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.sigint.com/duravolt for more information.
- 480V not to be used with ungrounded or impedance grounded systems.
- Not available in 1 square configuration at 800mA or below. Not available with any control option except SPB.

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

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



**Job Name:**  
SPIRIT VALLEY BUSINESS PARK - FOR  
SUBMITTAL ONLY  
Engineer: STOCK AND ASSOCIATES  
CONSULTING ENGINEERS (SAINT LOUIS)

**Catalog Number:**  
GALN-SA3D-740-U-T4FT-HSS

Notes:

**Type:**

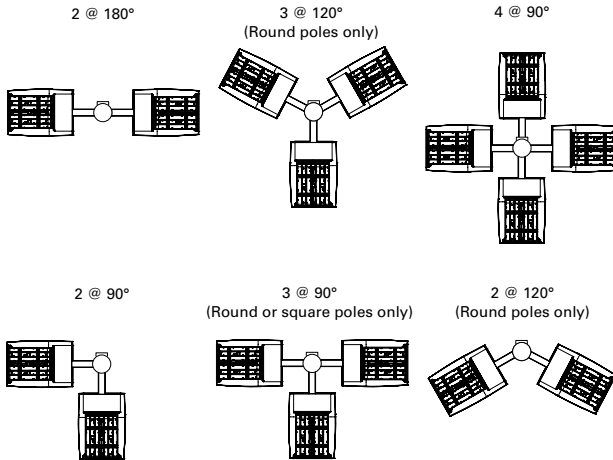
**F1**

LAI22-278240

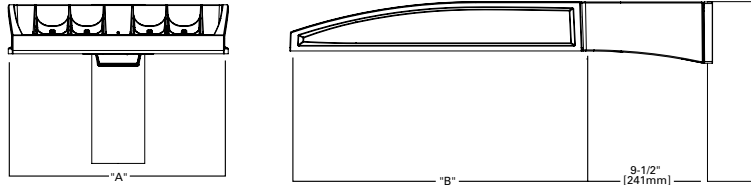
**McGraw-Edison** **GALN Galleon II**

**Mounting Details**

**Pole Configuration Options**

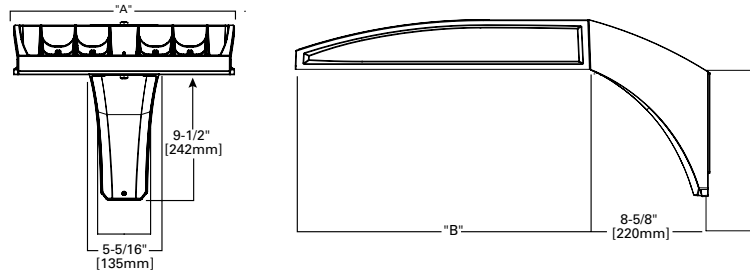


**Quick Mount Arm (QM) \***



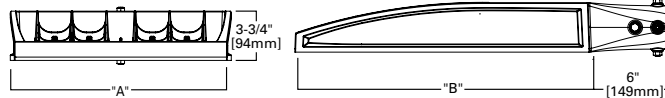
\*NOTE: Use Type N drilling pattern

**Upswept Arm (UP) \***

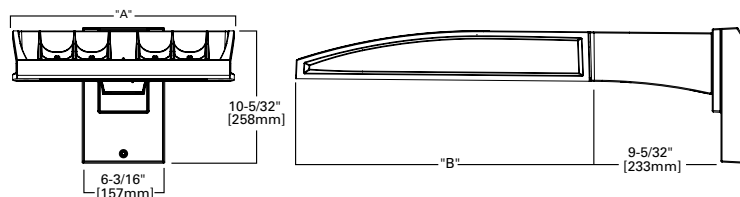


\*NOTE: Use Type N, R or M drilling pattern

**Mast Arm, Fixed (MA)**

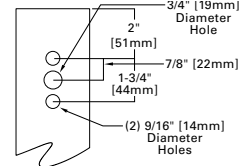


**Wall Mount, Fixed (WM)**

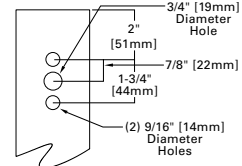


**Pole Drilling Patterns**

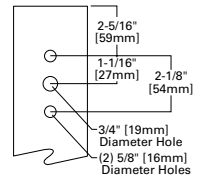
**Type "N"**



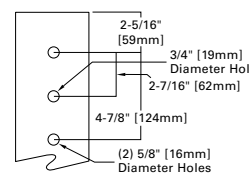
**Type "N"**



**Type "R"**



**Type "M"**





**Job Name:**  
SPIRIT VALLEY BUSINESS PARK - FOR  
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Engineer: STOCK AND ASSOCIATES  
CONSULTING ENGINEERS (SAINT LOUIS)

**Catalog Number:**  
GALN-SA3D-740-U-T4FT-HSS

Notes:

**Type:**

**F1**

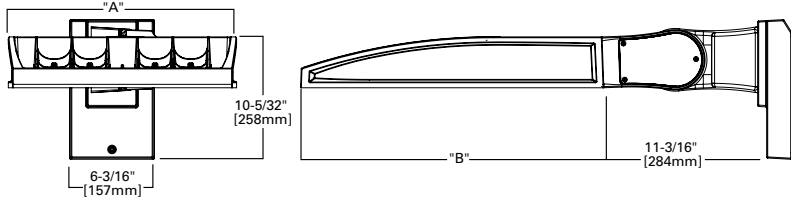
LAI22-278240

# McGraw-Edison

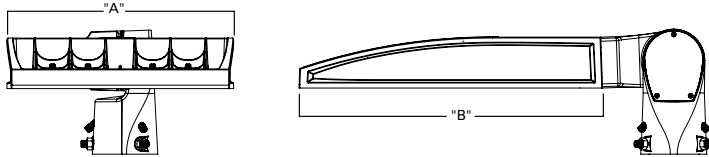
# GALN Galleon II

## Mounting Details

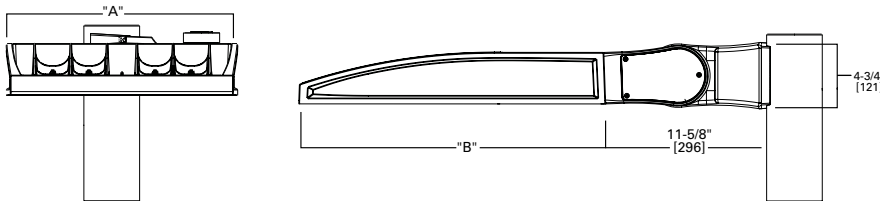
### Wall Mount, Adjustable (WA)



### Slipfitter, Adjustable (SP)

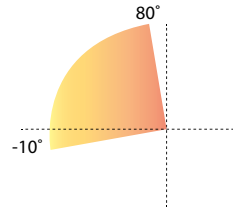


### Pole Mount, Adjustable Arm (PA)



### Adjustable Arm Range of Motion

- Wall Mount (WA), Slipfitter (SP) and Pole Mount (PA)
- Adjustable in increments of 5°
- Must maintain downward facing orientation



## 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



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**Catalog Number:**  
GALN-SA3D-740-U-T4FT-HSS

Notes:

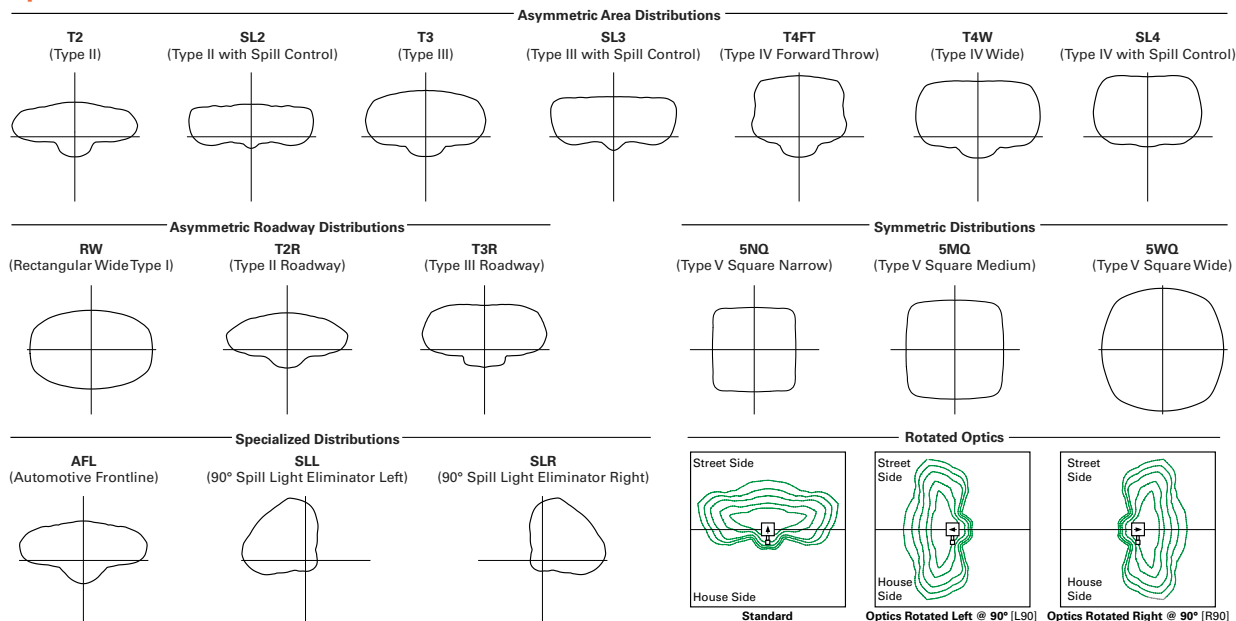
**Type:**

**F1**

LAI22-278240

# McGraw-Edison GALN Galleon II

## 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
- 16 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

### 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

\* 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.

### 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





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**Catalog Number:**  
 GALN-SA3D-740-U-T4FT-HSS

Notes:

Type:

**F1**

LAI22-278240

# McGraw-Edison

# GALN Galleon II

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

Number of Light Squares	1	2	3	4	5	6	7	8	9	
<b>Nominal Power (Watts)</b>	65	125	184	245	309	368	433	493	552	
<b>Input Current @ 120V</b>	0.546	1.041	1.535	2.082	2.578	3.070	3.619	4.114	4.605	
<b>Input Current @ 208V</b>	0.318	0.610	0.893	1.219	1.504	1.786	2.113	2.397	2.679	
<b>Input Current @ 240V</b>	0.276	0.523	0.758	1.046	1.282	1.516	1.806	2.041	2.274	
<b>Input Current @ 277V</b>	0.241	0.460	0.662	0.920	1.133	1.325	1.593	1.807	1.987	
<b>Input Current @ 347V</b>	0.187	0.370	0.543	0.740	0.915	1.085	1.285	1.459	1.628	
<b>Input Current @ 480V</b>	0.138	0.269	0.391	0.537	0.663	0.782	0.932	1.057	1.173	
<b>Optics</b>										
<b>T2</b>	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
<b>T2R</b>	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
<b>T3</b>	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
<b>T3R</b>	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
<b>T4FT</b>	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
<b>T4W</b>	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
<b>SL2</b>	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
<b>SL3</b>	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
<b>SL4</b>	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
<b>5NQ</b>	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
<b>5MQ</b>	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
<b>5WQ</b>	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
<b>SLL/SLR</b>	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
<b>RW</b>	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
<b>AFL</b>	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.





**Job Name:**  
SPIRIT VALLEY BUSINESS PARK - FOR  
SUBMITTAL ONLY  
Engineer: STOCK AND ASSOCIATES  
CONSULTING ENGINEERS (SAINT LOUIS)

**Catalog Number:**  
GALN-SA3D-740-U-T4FT-HSS

Notes:

**Type:**  
**F1**

LAI22-278240

**McGraw-Edison** **GALN Galleon II**

**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)**

These passive infrared (PIR) sensors are factory installed in the luminaire housing. When the SPB sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when no motion is detected. After a period of time, the luminaire turns off, and when motion is detected, the luminaire returns to full light output. 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. An integral photocontrol can be activated with the app for "dusk-to-dawn" control or daylight harvesting - the factory default is off. Three sensor lenses are available to optimize the coverage pattern for mounting heights from 8'-40'. 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.

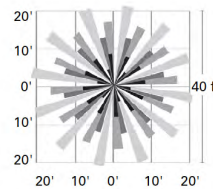
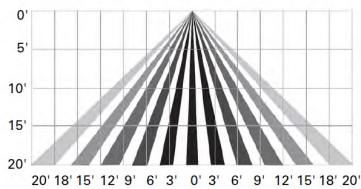
SPB sensor finish matched to luminaire finish		
Luminaire Finish		SPB Sensor Finish
WH	White	White
BK	Black	Black
GM	Graphite Metallic	Black
BZ	Bronze	Bronze
AP	Gray	Gray
DP	Dark Platinum	Gray

SPB/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

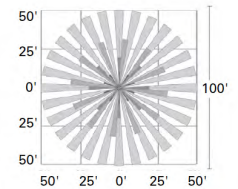
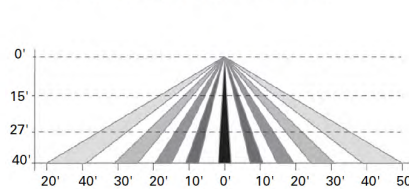
**WaveLinx Wireless Control and Monitoring System**

Operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. WaveLinx and WaveLinx Lite sensors utilize the Zhaga Book 18 compliant 4-PIN receptacle (ZD or ZW), while the WOLC control module utilizes a 7-PIN receptacle. ZW option provides 4-PIN receptacle and control module to enable future installation of WaveLinx sensors. ZD option provides 4-PIN receptacle and sensor-ready (SR) driver to enable future installation of WaveLinx sensors, power monitoring, and advanced functionality. WaveLinx (SWPD4 to SWPD5) 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 (WOF and WOB) 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 astronomical 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' (SWPD4 and WOB)**



**For mounting heights up to 40' (SWPD5 and WOF)**



**LumenSafe Integrated Network Security Camera (LD)**

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

**Synapse (DIM10)**

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



Cooper Lighting Solutions  
1121 Highway 74 South  
Peachtree City, GA 30269  
P: 770-486-4800  
[www.cooperlighting.com](http://www.cooperlighting.com)

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Specifications and dimensions  
subject to change without notice.

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January 20, 2022 4:32 PM



Submitted by LIGHTING ASSOCIATES



**Job Name:**

SPIRIT VALLEY BUSINESS PARK - FOR  
SUBMITTAL ONLY  
Engineer: STOCK AND ASSOCIATES  
CONSULTING ENGINEERS (SAINT LOUIS)

**Catalog Number:**

GALN-SA3D-740-U-T4FT-HSS

**Type:**

**F1**

Notes:

LAI22-278240

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**Job Name:**  
SPIRIT VALLEY BUSINESS PARK - FOR  
SUBMITTAL ONLY  
Engineer: STOCK AND ASSOCIATES  
CONSULTING ENGINEERS (SAINT LOUIS)

**Catalog Number:**  
GALN-SA1C-740-U-SLR

Notes:

**Type:**

**F2**

LAI22-278240

Project		Catalog #		Type	
Prepared by		Notes		Date	



# McGraw-Edison

## GALN Galleon II

Area / Site Luminaire

### Product Features



### 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 10](#)

### Product Certifications



### Quick Facts

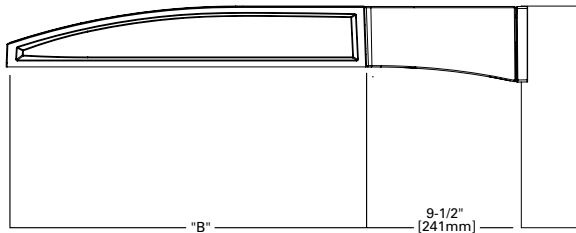
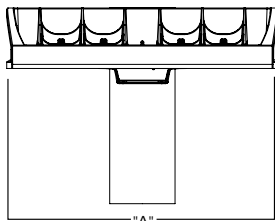
- Lumen packages range from 3,300 - 73,500 (33W - 552W)
- 16 optical distributions
- Efficacy up to 159 lumens per watt

### Connected Systems

- WaveLinX Lite
- WaveLinX

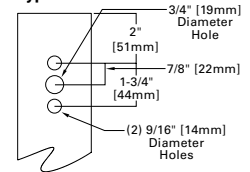
### Dimensional Details

Standard Arm



Pole Drilling Patterns

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)

McGraw-Edison
GALN Galleon II

### Ordering Information

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

PLEASE CONFIRM

Product Family <sup>1,2</sup>	Light Engine		Color Temperature	Voltage	Distribution	Mounting	Finish
	Configuration	Drive Current					
<b>GALN=Galleon II</b> BAA-GALN-Galleon II Buy American Act Compliant <sup>27</sup> TAA-GALN=Galleon II Trade Agreements Act Compliant <sup>27</sup>	<b>SA1=1 Square</b> <b>SA2=2 Squares</b> <b>SA3=3 Squares</b> <b>SA4=4 Squares</b> <b>SA5=5 Squares</b> <b>SA6=6 Squares</b> <b>SA7=7 Squares</b> <b>SA8=8 Squares</b> <b>SA9=9 Squares</b>	A=600mA B=800mA C=1000mA D=1200mA <sup>4,17</sup>	722=70CRI, 2200K 727=70CRI, 2700K 730=70CRI, 3000K 735=70CRI, 3500K 740=70CRI, 4000K 750=70CRI, 5000K 760=70CRI, 6000K 827=80CRI, 2700K 830=80CRI, 3000K AMB=Amber, 590nm <sup>15,17</sup>	H=347V-480V <sup>7,30</sup> 1=120V 2=208V 3=240V 4=277V 8=480V <sup>7</sup> 9=347V <sup>7,30</sup> DV=277V-480V DuraVolt Drivers <sup>28,30,31</sup>	T2=Type II T2R=Type II Roadway T3=Type III T3R=Type III Roadway T4FT=Type IV Forward Throw T4W=Type IV Wide 5NQ=Type V Narrow 5MQ=Type V Square Medium 5WQ=Type V Square Wide SL2=Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control SL1=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right RW=Rectangular Wide Type I AFL=Automotive Frontline	[Blank]=Standard Pole Mount Arm QM=Standard Pole Mount Arm with Quick Mount Adaptor PA=Pole Mount, Adjustable SP=Slipfitter, Adjustable <sup>8</sup> MA=Mast Arm, Fixed WM=Wall Mount, Fixed WA=Wall Mount, Adjustable UP=Upswept Arm	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White RALXX=Custom Color
Options (Add as Suffix)		Controls and Systems Options (Add as Suffix)			Accessories (Order Separately) <sup>28</sup>		
DIM=External 0-10V Dimming Leads <sup>20</sup> F=Single Fuse (120, 277 or 347V Specify Voltage) FF=Double Fuse (208, 240 or 480V Specify Voltage) 2K=20kV UL 1449 fused surge protective device <sup>10</sup> 2L=Two Circuits <sup>18</sup> HA=50°C High Ambient HSS=Installed House Side Shield <sup>18</sup> GRSBK=Glare Reducing Shield, Black <sup>23</sup> GRSWH=Glare Reducing Shield, White <sup>23</sup> LCF=Light Square Trim Painted to Match Housing <sup>25</sup> TH=Tool-less Door Hardware <sup>5</sup> CC=Coastal Construction finish <sup>3</sup> L90=Optics Rotated 90° Left R90=Optics Rotated 90° Right AHD145=After Hours Dim, 5 Hours <sup>22</sup> AHD245=After Hours Dim, 6 Hours <sup>22</sup> AHD255=After Hours Dim, 7 Hours <sup>22</sup> AHD355=After Hours Dim, 8 Hours <sup>22</sup> DALI=DALI Drivers		BPC=Button Type Photocontrol <sup>4</sup> PR=NEMA 3-PIN Photocontrol Receptacle PR7=NEMA 7-PIN Photocontrol Receptacle <sup>21</sup> SPB2=Dimming Motion Sensor, 9'-20' mounting <sup>24</sup> SPB4=Dimming Motion Sensor, 21'-40' mounting <sup>24</sup> SPB2/X=Dimming Motion Sensor, limited square count, 9'-20' mounting <sup>24</sup> SPB4/X=Dimming Motion Sensor, limited square count, 21'-40' mounting <sup>24</sup> ZW=WaveLinX Module and 4-PIN Receptacle <sup>19</sup> ZW-SWPD4XX=WaveLinX Sensor Only, 7'-15ft <sup>19,12,13</sup> ZW-SWPD5XX=WaveLinX Sensor Only, 15-40ft <sup>19,12,13</sup> ZW-WOBXX=WaveLinX Sensor with Bluetooth, 7'-15ft <sup>19,12,13</sup> ZW-WOFOX=WaveLinX Sensor with Bluetooth, 15-40ft <sup>19,12,13</sup> ZW-SWPD4XX=WaveLinX Sensor Only, 7'-15ft <sup>19,12,13</sup> ZW-SWPD5XX=WaveLinX Sensor Only, 15-40ft <sup>19,12,13</sup> ZW-WOBXX=WaveLinX Sensor with Bluetooth, 7'-15ft <sup>19,12,13</sup> ZW-WOFOX=WaveLinX Sensor with Bluetooth, 15-40ft <sup>19,12,13</sup> DIM10-MS/DIM-L20=Synapse Occupancy Sensor (9'-20' Mounting) <sup>19</sup> DIM10-MS/DIM-L40=Synapse Occupancy Sensor (21'-40' Mounting) <sup>19</sup>			OA/RA1016=NEMA Photocontrol Multi-Tap - 105-285V OA/RA1027=NEMA Photocontrol - 480V OA/RA1201=NEMA Photocontrol - 347V OA/RA1013=Photocontrol Shorting Cap OA/RA1014=120V Photocontrol MA1252=10kV Surge Module Replacement MA1036-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon MA1037-XX=2@180° Tenon Adapter for 2-3/8" O.D. Tenon MA1197-XX=3@120° Tenon Adapter for 2-3/8" O.D. Tenon MA1188-XX=4@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1189-XX=2@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1190-XX=3@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1191-XX=2@120° Tenon Adapter for 2-3/8" O.D. Tenon MA1038-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon MA1039-XX=2@180° Tenon Adapter for 3-1/2" O.D. Tenon MA1192-XX=3@120° Tenon Adapter for 3-1/2" O.D. Tenon MA1193-XX=4@90° Tenon Adapter for 3-1/2" O.D. Tenon MA1194-XX=2@90° Tenon Adapter for 3-1/2" O.D. Tenon MA1195-XX=3@90° Tenon Adapter for 3-1/2" O.D. Tenon SRA238=Adapter kit for mounting to 2-3/8" O.D. Tenon LS/HSS=Field Installed House Side Shield <sup>9,18</sup> LS/GRSBK=Glare Reducing Shield, Black <sup>9,23</sup> LS/GRSWH=Glare Reducing Shield, White <sup>9,23</sup> LS/PFS=Perimeter Shield, Black <sup>18</sup> WOLC-7P-10A=WaveLinX Outdoor Control Module <sup>11,19</sup> WOA-XX=WaveLinX Wireless Sensor, 7'-15' Mounting Height <sup>12,13,14,19</sup> WOE-XX=WaveLinX Wireless Sensor, 15'-40' Mounting Height <sup>12,13,14,19</sup>		

**NOTES:**

1. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information.
2. DesignLights Consortium® Qualified. Refer to [www.designlights.org](http://www.designlights.org) 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. Not available with TH option.
4. Drive current 1200mA not available with color temperatures 722, 727 or 830 when either HA or HSS options are selected.
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. Adjustable Slipfitter arm limited to vertical 3" tenon. For mounting to 2-3/8" O.D. tenons, order accessory SRA238.
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. Requires ZW or ZD receptacle.
15. 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.
16. Set of 4 pcs. One set required per Light Square.
17. Not available with HA option.
18. Not for use with 5WQ, 5MQ, or RW optics. A black trim plate is used when HSS is selected.
19. Cannot be used with other control options.
20. Low voltage control lead brought out 18" outside fixture. Not available with DALI or integrated controls options.
21. Not available if any SPB, LWR, or WaveLinX sensor is selected. Motion sensor has an integral photocell.
22. Requires the use of BPC photocontrol or the PR7 or PR photocontrol receptacle with photocontrol accessory.
23. Not for use with T4FT, T4W or SL4 optics. See IES files for details.
24. Sensor configuration mobile application required for configuration. See controls page for details.
25. Replace X with number of Light Squares controlled by the SPB, referencing the "SPB/X Availability Table" on the controls page.
26. Not available with HSS, GRSWH or GRSBK.
27. 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 [DOMESTIC.PREFERENCES](http://DOMESTIC.PREFERENCES) website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
28. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
29. DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit [www.sigint.com/duravolt](http://www.sigint.com/duravolt) for more information.
30. 480V not to be used with ungrounded or impedance grounded systems.
31. Not available in 1 square configuration at 800mA or below. Not available with any control option except SPB.

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

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



**Job Name:**  
SPIRIT VALLEY BUSINESS PARK - FOR  
SUBMITTAL ONLY  
Engineer: STOCK AND ASSOCIATES  
CONSULTING ENGINEERS (SAINT LOUIS)

**Catalog Number:**  
GALN-SA1C-740-U-SLR

Notes:

**Type:**

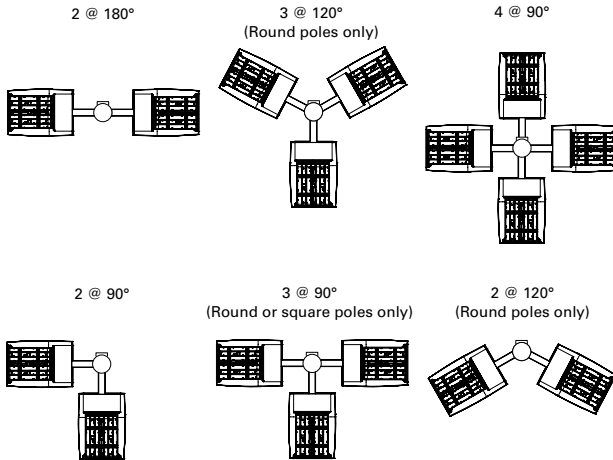
**F2**

LAI22-278240

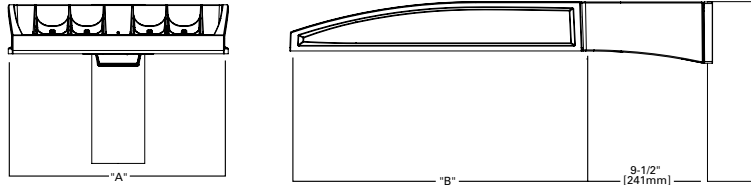
**McGraw-Edison** **GALN Galleon II**

**Mounting Details**

**Pole Configuration Options**

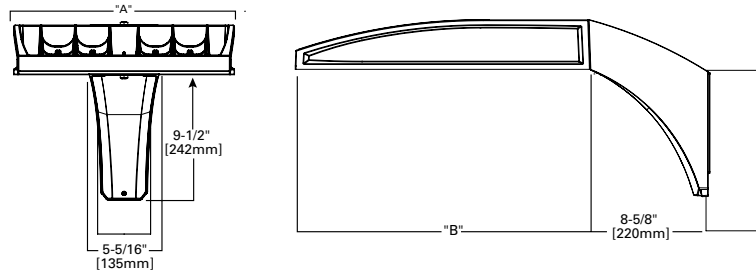


**Quick Mount Arm (QM) \***



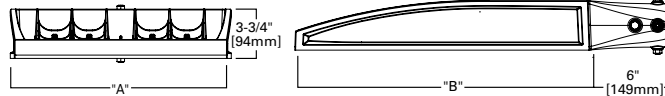
\*NOTE: Use Type N drilling pattern

**Upswept Arm (UP) \***

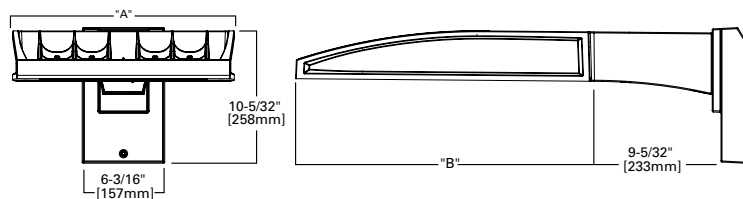


\*NOTE: Use Type N, R or M drilling pattern

**Mast Arm, Fixed (MA)**

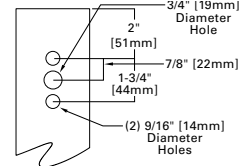


**Wall Mount, Fixed (WM)**

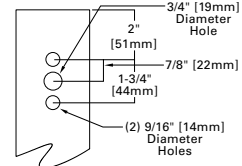


**Pole Drilling Patterns**

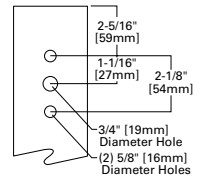
**Type "N"**



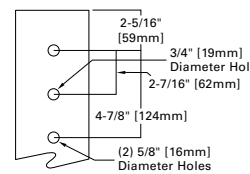
**Type "N"**



**Type "R"**



**Type "M"**

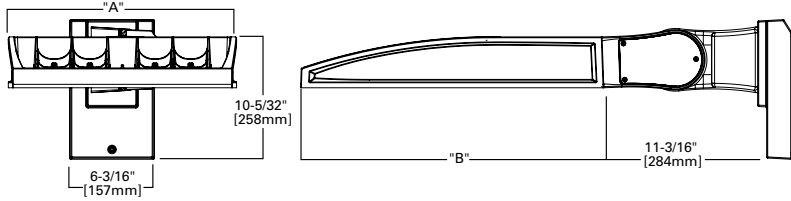


# McGraw-Edison

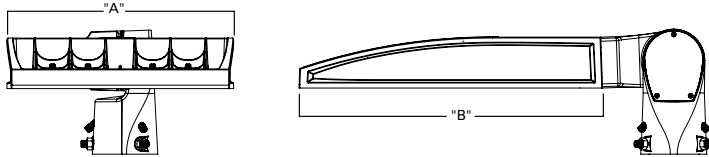
# GALN Galleon II

## Mounting Details

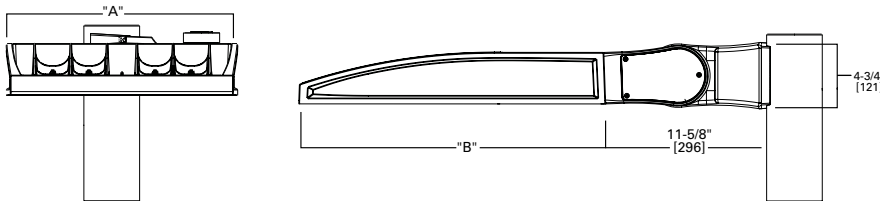
### Wall Mount, Adjustable (WA)



### Slipfitter, Adjustable (SP)

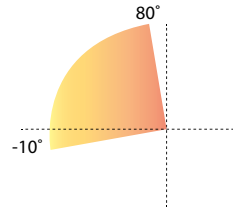


### Pole Mount, Adjustable Arm (PA)



### Adjustable Arm Range of Motion

- Wall Mount (WA), Slipfitter (SP) and Pole Mount (PA)
- Adjustable in increments of 5°
- Must maintain downward facing orientation



## 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



**Job Name:**  
SPIRIT VALLEY BUSINESS PARK - FOR  
SUBMITTAL ONLY  
Engineer: STOCK AND ASSOCIATES  
CONSULTING ENGINEERS (SAINT LOUIS)

**Catalog Number:**  
GALN-SA1C-740-U-SLR

Notes:

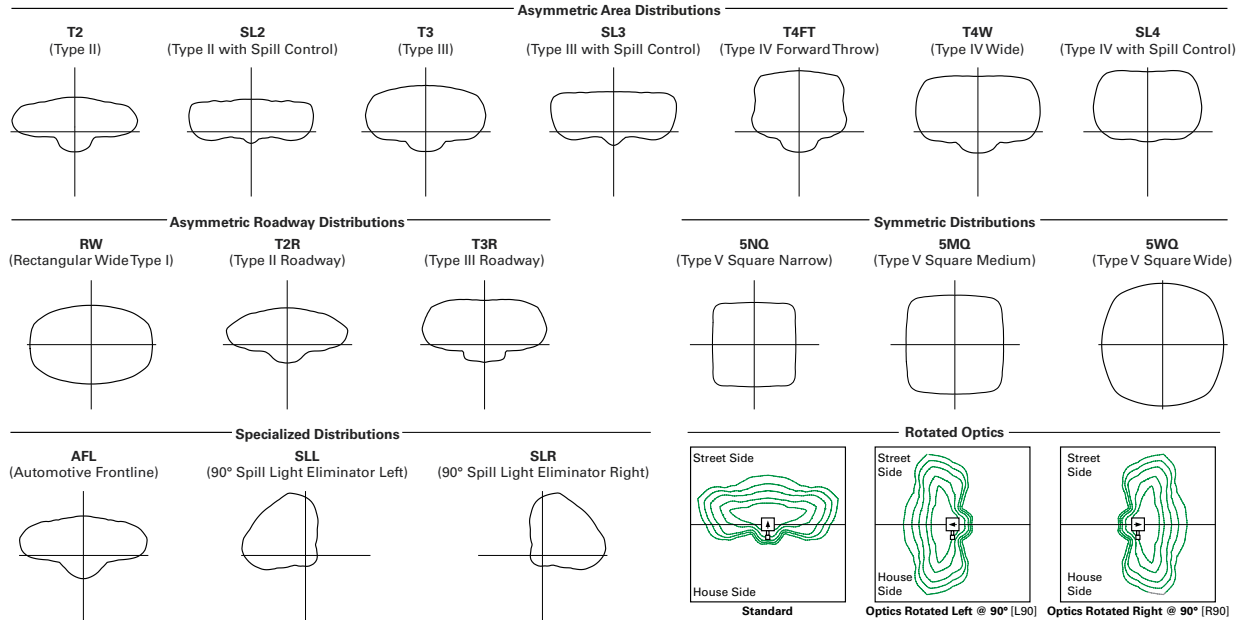
**Type:**

**F2**

LAI22-278240

**McGraw-Edison** **GALN Galleon II**

**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
- 16 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

**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.





**Job Name:**  
 SPIRIT VALLEY BUSINESS PARK - FOR  
 SUBMITTAL ONLY  
 Engineer: STOCK AND ASSOCIATES  
 CONSULTING ENGINEERS (SAINT LOUIS)

**Catalog Number:**  
 GALN-SA1C-740-U-SLR

Notes:

Type:

**F2**

LAI22-278240

# McGraw-Edison

# GALN Galleon II

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	
<b>Optics</b>										
<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.





**Job Name:**  
SPIRIT VALLEY BUSINESS PARK - FOR  
SUBMITTAL ONLY  
Engineer: STOCK AND ASSOCIATES  
CONSULTING ENGINEERS (SAINT LOUIS)

**Catalog Number:**  
GALN-SA1C-740-U-SLR

Notes:

**Type:**  
**F2**

LAI22-278240

**McGraw-Edison** **GALN Galleon II**

**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)**

These passive infrared (PIR) sensors are factory installed in the luminaire housing. When the SPB sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when no motion is detected. After a period of time, the luminaire turns off, and when motion is detected, the luminaire returns to full light output. 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. An integral photocontrol can be activated with the app for "dusk-to-dawn" control or daylight harvesting - the factory default is off. Three sensor lenses are available to optimize the coverage pattern for mounting heights from 8'-40'. 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.

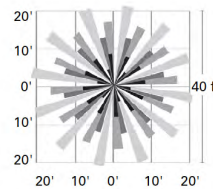
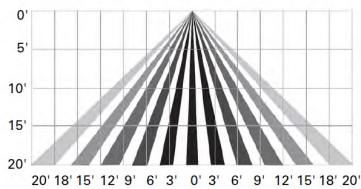
SPB sensor finish matched to luminaire finish		
Luminaire Finish		SPB Sensor Finish
WH	White	White
BK	Black	Black
GM	Graphite Metallic	Black
BZ	Bronze	Bronze
AP	Gray	Gray
DP	Dark Platinum	Gray

SPB/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

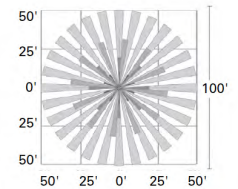
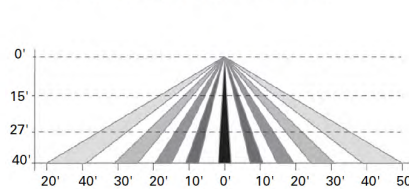
**WaveLinX Wireless Control and Monitoring System**

Operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. WaveLinX and WaveLinX Lite sensors utilize the Zhaga Book 18 compliant 4-PIN receptacle (ZD or ZW), while the WOLC control module utilizes a 7-PIN receptacle. ZW option provides 4-PIN receptacle and control module to enable future installation of WaveLinX sensors. ZD option provides 4-PIN receptacle and sensor-ready (SR) driver to enable future installation of WaveLinX sensors, power monitoring, and advanced functionality. WaveLinX (SWPD4 to SWPD5) 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 (WOF and WOB) 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 astronomical 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' (SWPD4 and WOB)**



**For mounting heights up to 40' (SWPD5 and WOF)**



**LumenSafe Integrated Network Security Camera (LD)**

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

**Synapse (DIM10)**

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



Cooper Lighting Solutions  
1121 Highway 74 South  
Peachtree City, GA 30269  
P: 770-486-4800  
[www.cooperlighting.com](http://www.cooperlighting.com)

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Specifications and dimensions  
subject to change without notice.

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January 20, 2022 4:32 PM





**Job Name:**  
SPIRIT VALLEY BUSINESS PARK - FOR  
SUBMITTAL ONLY  
Engineer: STOCK AND ASSOCIATES  
CONSULTING ENGINEERS (SAINT LOUIS)

**Catalog Number:**  
GALN-SA1C-740-U-SLR

Notes:

**Type:**

**F2**

LAI22-278240

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**Job Name:**  
SPIRIT VALLEY BUSINESS PARK - FOR  
SUBMITTAL ONLY  
Engineer: STOCK AND ASSOCIATES  
CONSULTING ENGINEERS (SAINT LOUIS)

**Catalog Number:**  
GALN-SA2C-740-U-T4FT-HSS

Notes:

**Type:**

**F3**

LAI22-278240

Project		Catalog #		Type	
Prepared by		Notes		Date	



# McGraw-Edison

## GALN Galleon II

Area / Site Luminaire

### Product Features



### 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 10

### Product Certifications



### Quick Facts

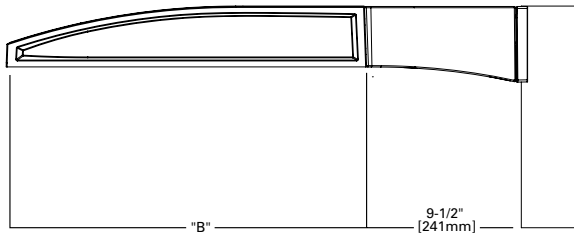
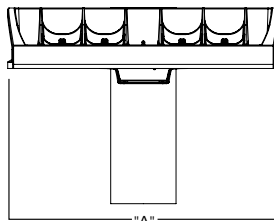
- Lumen packages range from 3,300 - 73,500 (33W - 552W)
- 16 optical distributions
- Efficacy up to 159 lumens per watt

### Connected Systems

- WaveLinX Lite
- WaveLinX

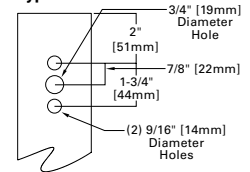
### Dimensional Details

Standard Arm



Pole Drilling Patterns

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)

McGraw-Edison
GALN Galleon II

### Ordering Information

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

PLEASE CONFIRM

Product Family <sup>1,2</sup>	Light Engine		Color Temperature	Voltage	Distribution	Mounting	Finish
	Configuration	Drive Current					
<b>GALN=Galleon II</b> BAA-GALN=Galleon II Buy American Act Compliant <sup>27</sup> TAA-GALN=Galleon II Trade Agreements Act Compliant <sup>27</sup>	SA1=1 Square SA2=2 Squares SA3=3 Squares SA4=4 Squares SA5=5 Squares SA6=6 Squares SA7=7 Squares SA8=8 Squares SA9=9 Squares	A=600mA B=800mA C=1000mA <sup>4,17</sup> D=1200mA <sup>4,17</sup>	722=70CRI, 2200K 727=70CRI, 2700K 730=70CRI, 3000K 735=70CRI, 3500K 740=70CRI, 4000K 750=70CRI, 5000K 760=70CRI, 6000K 827=80CRI, 2700K 830=80CRI, 3000K AMB=Amber, 590nm <sup>15,17</sup>	H=347V-480V <sup>7,30</sup> 1=120V 2=208V 3=240V 4=277V 8=480V <sup>7</sup> 9=347V <sup>7,30</sup> DV=277V-480V DuraVolt Drivers <sup>28,30,31</sup>	T2=Type II T2R=Type II Roadway T3=Type III T3R=Type III Roadway T4FT=Type IV Forward Throw T4W=Type IV Wide 5NQ=Type V Narrow 5MQ=Type V Square Medium 5WQ=Type V Square Wide SL2=Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control SLL=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right RW=Rectangular Wide Type I AFL=Automotive Frontline	[Blank]=Standard Pole Mount Arm QM=Standard Pole Mount Arm with Quick Mount Adaptor PA=Pole Mount, Adjustable SP=Slipfitter, Adjustable <sup>8</sup> MA=Mast Arm, Fixed WM=Wall Mount, Fixed WA=Wall Mount, Adjustable UP=Upswept Arm	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White RALXX=Custom Color

Options (Add as Suffix)	Controls and Systems Options (Add as Suffix)	Accessories (Order Separately) <sup>28</sup>
DIM=External 0-10V Dimming Leads <sup>28</sup> F=Single Fuse (120, 277 or 347V Specify Voltage) FF=Double Fuse (208, 240 or 480V Specify Voltage) 2K=20kV UL 1449 fused surge protective device <sup>19</sup> 2L=Two Circuits <sup>18</sup> HA=50°C High Ambient HSS=HSS Field Installed House Side Shield <sup>9,18</sup> GRSBK=Glare Reducing Shield, Black <sup>23</sup> GRSWH=Glare Reducing Shield, White <sup>23</sup> LCF=Light Square Trim Painted to Match Housing <sup>25</sup> TH=Tool-less Door Hardware <sup>5</sup> CC=Coastal Construction finish <sup>3</sup> L90=Optics Rotated 90° Left R90=Optics Rotated 90° Right AHD145=After Hours Dim, 5 Hours <sup>22</sup> AHD245=After Hours Dim, 6 Hours <sup>22</sup> AHD255=After Hours Dim, 7 Hours <sup>22</sup> AHD355=After Hours Dim, 8 Hours <sup>22</sup> DALI=DALI Drivers	BPC=Button Type Photocontrol <sup>4</sup> PR=NEMA 3-PIN Photocontrol Receptacle PR7=NEMA 7-PIN Photocontrol Receptacle <sup>21</sup> SPB2=Dimming Motion Sensor, 9'-20' mounting <sup>24</sup> SPB4=Dimming Motion Sensor, 21'-40' mounting <sup>24</sup> SPB2/X=Dimming Motion Sensor, limited square count, 9'-20' mounting <sup>24</sup> SPB4/X=Dimming Motion Sensor, limited square count, 21'-40' mounting <sup>24</sup> ZW=WaveLinX Module and 4-PIN Receptacle <sup>19</sup> ZW-SWPD4XX=WaveLinX Sensor Only, 7'-15ft <sup>19,12,13</sup> ZW-SWPD5XX=WaveLinX Sensor Only, 15-40ft <sup>19,12,13</sup> ZW-WOBXX=WaveLinX Sensor with Bluetooth, 7'-15ft <sup>19,12,13</sup> ZW-WOFOX=WaveLinX Sensor with Bluetooth, 15-40ft <sup>19,12,13</sup> ZD-SWPD4XX=WaveLinX Sensor Only, 7'-15ft <sup>19,12,13</sup> ZD-SWPD5XX=WaveLinX Sensor Only, 15-40ft <sup>19,12,13</sup> ZD-WOBXX=WaveLinX Sensor with Bluetooth, 7'-15ft <sup>19,12,13</sup> ZD-WOFOX=WaveLinX Sensor with Bluetooth, 15-40ft <sup>19,12,13</sup> DIM10-MS/DIM-L20=Synapse Occupancy Sensor (9'-20' Mounting) <sup>19</sup> DIM10-MS/DIM-L40=Synapse Occupancy Sensor (21'-40' Mounting) <sup>19</sup>	OA/RA1016=NEMA Photocontrol Multi-Tap - 105-285V OA/RA1027=NEMA Photocontrol - 480V OA/RA1201=NEMA Photocontrol - 347V OA/RA1013=Photocontrol Shorting Cap OA/RA1014=120V Photocontrol MA1252=10kV Surge Module Replacement MA1036-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon MA1037-XX=2@180° Tenon Adapter for 2-3/8" O.D. Tenon MA1197-XX=3@120° Tenon Adapter for 2-3/8" O.D. Tenon MA1188-XX=4@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1189-XX=2@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1190-XX=3@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1191-XX=2@120° Tenon Adapter for 2-3/8" O.D. Tenon MA1038-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon MA1039-XX=2@180° Tenon Adapter for 3-1/2" O.D. Tenon MA1192-XX=3@120° Tenon Adapter for 3-1/2" O.D. Tenon MA1193-XX=4@90° Tenon Adapter for 3-1/2" O.D. Tenon MA1194-XX=2@90° Tenon Adapter for 3-1/2" O.D. Tenon MA1195-XX=3@90° Tenon Adapter for 3-1/2" O.D. Tenon SRA238=Adapter kit for mounting to 2-3/8" O.D. Tenon LS/HSS=Field Installed House Side Shield <sup>9,18</sup> LS/GRSBK=Glare Reducing Shield, Black <sup>9,23</sup> LS/GRSWH=Glare Reducing Shield, White <sup>9,23</sup> LS/PFS=Perimeter Shield, Black <sup>18</sup> WOLC-7P-10A=WaveLinX Outdoor Control Module <sup>15,19</sup> WOA-XX=WaveLinX Wireless Sensor, 7'-15' Mounting Height <sup>12,13,14,19</sup> WOE-XX=WaveLinX Wireless Sensor, 15'-40' Mounting Height <sup>12,13,14,19</sup>

**NOTES:**

1. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information.
2. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
3. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654. Not available with TH option.
4. Drive current 1200mA not available with color temperatures 722, 727 or 830 when either HA or HSS options are selected.
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. Adjustable Slipfitter arm limited to vertical 3" tenon. For mounting to 2-3/8" O.D. tenons, order accessory SRA238.
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. Requires ZW or ZD receptacle.
15. 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.
16. Set of 4 pcs. One set required per Light Square.
17. Not available with HA option.
18. Not for use with 5MQ, 5WQ or RW optics. A black trim plate is used when HSS is selected.
19. Cannot be used with other control options.
20. Low voltage control lead brought out 18" outside fixture. Not available with DALI or integrated controls options
21. Not available if any SPB, LWR, or WaveLinX sensor is selected. Motion sensor has an integral photocell.
22. Requires the use of BPC photocontrol or the PR7 or PR photocontrol receptacle with photocontrol accessory.
23. Not for use with T4FT, T4W or SL4 optics. See IES files for details.
24. Sensor configuration mobile application required for configuration. See controls page for details.
25. Replace X with number of Light Squares controlled by the SPB, referencing the "SPB/X Availability Table" on the controls page.
26. Not available with HSS, GRSWH or GRSBK.
27. 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 DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
28. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
29. DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.sigint.com/duravolt for more information.
30. 480V not to be used with ungrounded or impedance grounded systems.
31. Not available in 1 square configuration at 800mA or below. Not available with any control option except SPB.

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

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



**Job Name:**  
SPIRIT VALLEY BUSINESS PARK - FOR  
SUBMITTAL ONLY  
Engineer: STOCK AND ASSOCIATES  
CONSULTING ENGINEERS (SAINT LOUIS)

**Catalog Number:**  
GALN-SA2C-740-U-T4FT-HSS

Notes:

**Type:**

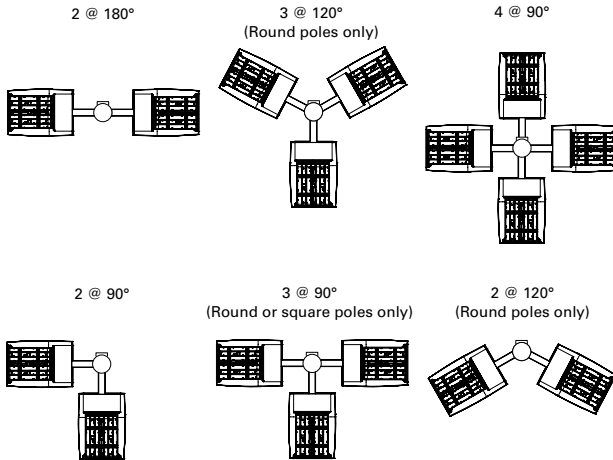
**F3**

LAI22-278240

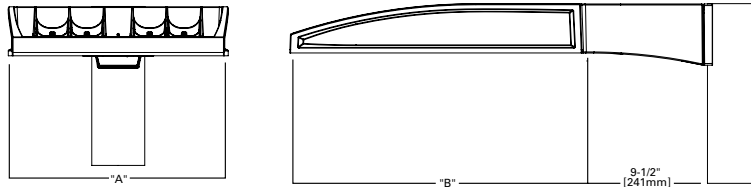
**McGraw-Edison** **GALN Galleon II**

**Mounting Details**

**Pole Configuration Options**

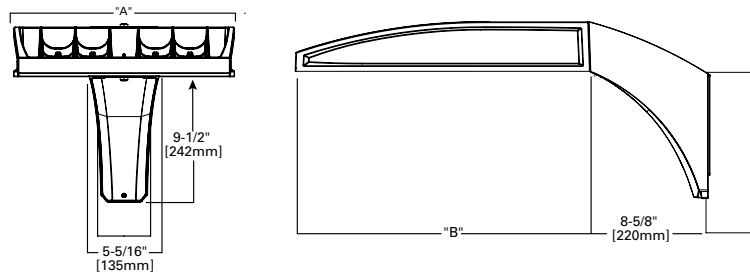


**Quick Mount Arm (QM) \***



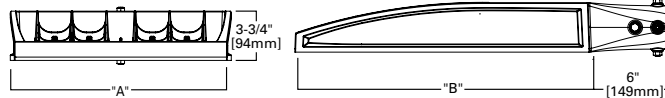
\*NOTE: Use Type N drilling pattern

**Upswept Arm (UP) \***

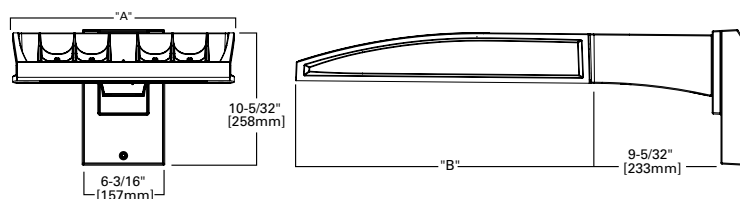


\*NOTE: Use Type N, R or M drilling pattern

**Mast Arm, Fixed (MA)**

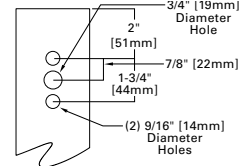


**Wall Mount, Fixed (WM)**

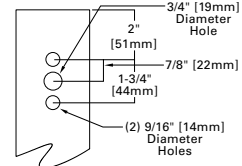


**Pole Drilling Patterns**

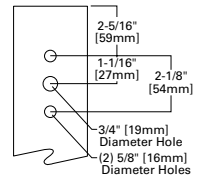
**Type "N"**



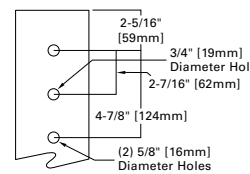
**Type "N"**



**Type "R"**



**Type "M"**





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CONSULTING ENGINEERS (SAINT LOUIS)

**Catalog Number:**  
GALN-SA2C-740-U-T4FT-HSS

Notes:

**Type:**

**F3**

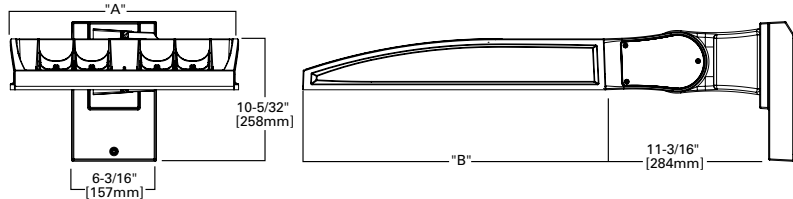
LAI22-278240

# McGraw-Edison

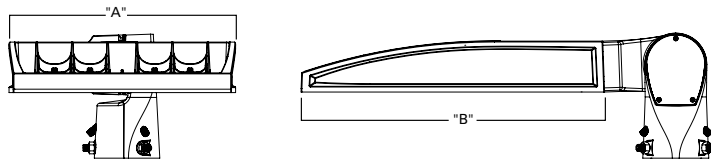
# GALN Galleon II

## Mounting Details

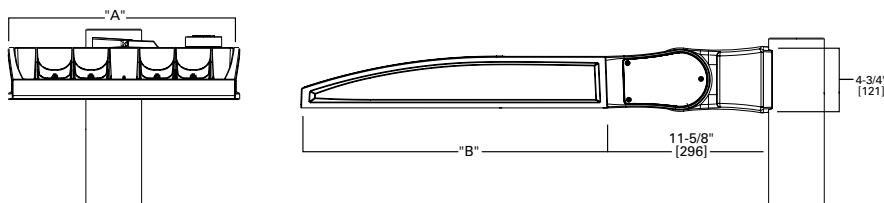
### Wall Mount, Adjustable (WA)



### Slipfitter, Adjustable (SP)

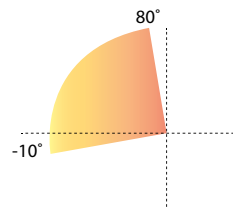


### Pole Mount, Adjustable Arm (PA)



### Adjustable Arm Range of Motion

- Wall Mount (WA), Slipfitter (SP) and Pole Mount (PA)
- Adjustable in increments of 5°
- Must maintain downward facing orientation



## 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



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Notes:

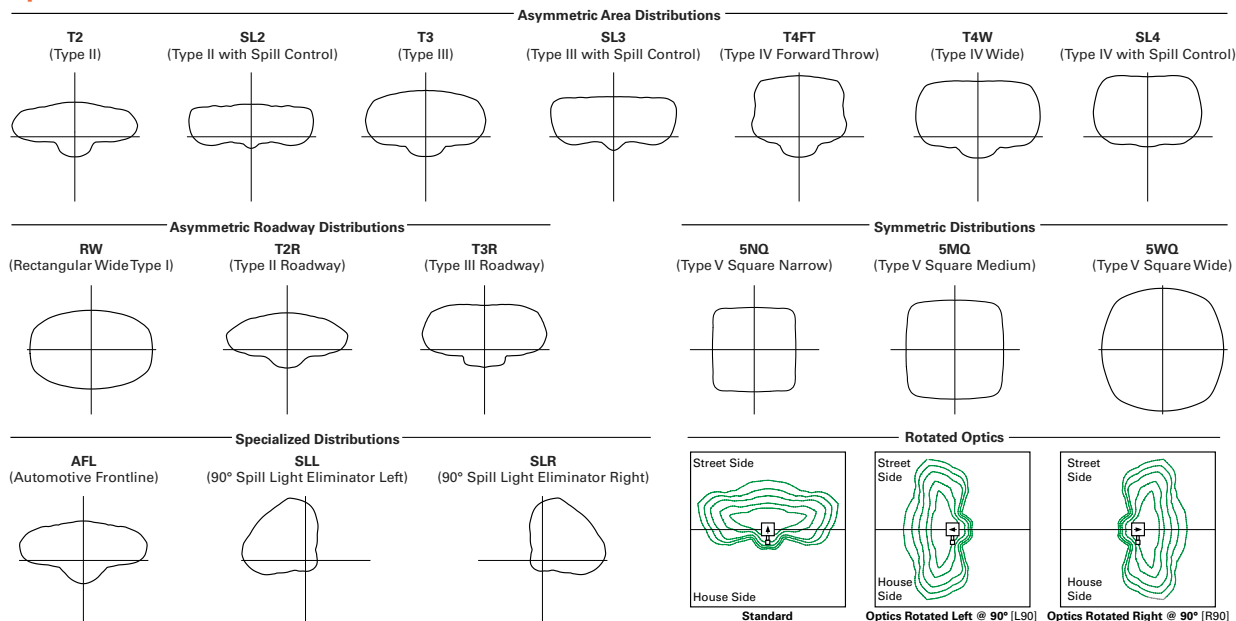
**Type:**

**F3**

LAI22-278240

**McGraw-Edison** **GALN Galleon II**

**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
- 16 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

**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

\* 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.

**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





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Notes:

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# McGraw-Edison

# GALN Galleon II

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	
<b>Optics</b>										
<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.





**Job Name:**  
SPIRIT VALLEY BUSINESS PARK - FOR  
SUBMITTAL ONLY  
Engineer: STOCK AND ASSOCIATES  
CONSULTING ENGINEERS (SAINT LOUIS)

**Catalog Number:**  
GALN-SA2C-740-U-T4FT-HSS

Notes:

**Type:**  
**F3**

LAI22-278240

**McGraw-Edison** **GALN Galleon II**

**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)**

These passive infrared (PIR) sensors are factory installed in the luminaire housing. When the SPB sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when no motion is detected. After a period of time, the luminaire turns off, and when motion is detected, the luminaire returns to full light output. 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. An integral photocontrol can be activated with the app for "dusk-to-dawn" control or daylight harvesting - the factory default is off. Three sensor lenses are available to optimize the coverage pattern for mounting heights from 8'-40'. 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.

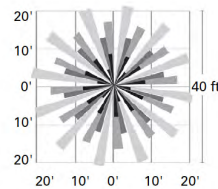
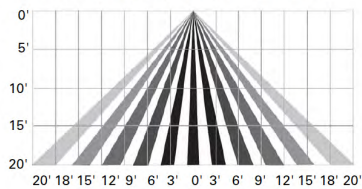
SPB sensor finish matched to luminaire finish		
Luminaire Finish		SPB Sensor Finish
WH	White	White
BK	Black	Black
GM	Graphite Metallic	Black
BZ	Bronze	Bronze
AP	Gray	Gray
DP	Dark Platinum	Gray

SPB/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

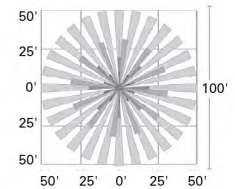
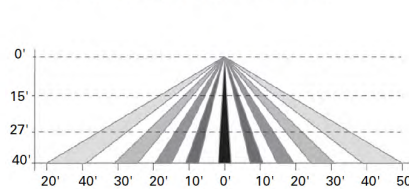
**WaveLinX Wireless Control and Monitoring System**

Operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. WaveLinX and WaveLinX Lite sensors utilize the Zhaga Book 18 compliant 4-PIN receptacle (ZD or ZW), while the WOLC control module utilizes a 7-PIN receptacle. ZW option provides 4-PIN receptacle and control module to enable future installation of WaveLinX sensors. ZD option provides 4-PIN receptacle and sensor-ready (SR) driver to enable future installation of WaveLinX sensors, power monitoring, and advanced functionality. WaveLinX (SWPD4 to SWPD5) 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 (WOF and WOB) 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 astronomical 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' (SWPD4 and WOB)**



**For mounting heights up to 40' (SWPD5 and WOF)**



**LumenSafe Integrated Network Security Camera (LD)**

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

**Synapse (DIM10)**

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



Cooper Lighting Solutions  
1121 Highway 74 South  
Peachtree City, GA 30269  
P: 770-486-4800  
[www.cooperlighting.com](http://www.cooperlighting.com)

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Specifications and dimensions  
subject to change without notice.

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January 20, 2022 4:32 PM



Submitted by LIGHTING ASSOCIATES



**Job Name:**

SPIRIT VALLEY BUSINESS PARK - FOR  
SUBMITTAL ONLY  
Engineer: STOCK AND ASSOCIATES  
CONSULTING ENGINEERS (SAINT LOUIS)

**Catalog Number:**

GALN-SA2C-740-U-T4FT-HSS

**Type:**

**F3**

Notes:

LAI22-278240

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**Job Name:**  
SPIRIT VALLEY BUSINESS PARK - FOR  
SUBMITTAL ONLY  
Engineer: STOCK AND ASSOCIATES  
CONSULTING ENGINEERS (SAINT LOUIS)

**Catalog Number:**  
GALN-SA3C-740-U-T4FT-WM

Notes:

**Type:**  
**WP1**

LAI22-278240

Project		Catalog #		Type	
Prepared by		Notes		Date	



# McGraw-Edison

## GALN Galleon II

Area / Site Luminaire

### Product Features



### 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 10

### Product Certifications



### Quick Facts

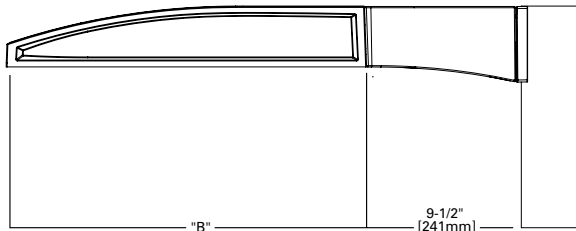
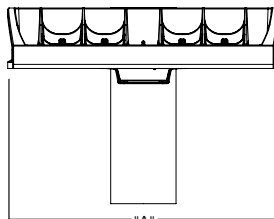
- Lumen packages range from 3,300 - 73,500 (33W - 552W)
- 16 optical distributions
- Efficacy up to 159 lumens per watt

### Connected Systems

- WaveLinX Lite
- WaveLinX

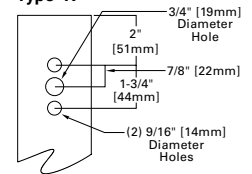
### Dimensional Details

Standard Arm



Pole Drilling Patterns

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)

McGraw-Edison
GALN Galleon II

### Ordering Information

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

PLEASE CONFIRM

Product Family <sup>1,2</sup>	Light Engine		Color Temperature	Voltage	Distribution	Mounting	Finish
	Configuration	Drive Current					
<b>GALN=Galleon II</b> BAA-GALN=Galleon II Buy American Act Compliant <sup>27</sup> TAA-GALN=Galleon II Trade Agreements Act Compliant <sup>27</sup>	SA1=1 Square SA2=2 Squares SA3=3 Squares SA4=4 Squares SA5=5 Squares SA6=6 Squares SA7=7 Squares SA8=8 Squares SA9=9 Squares	A=600mA B=800mA C=1000mA D=1200mA <sup>4,17</sup>	722=70CRI, 2200K 727=70CRI, 2700K 730=70CRI, 3000K 735=70CRI, 3500K 740=70CRI, 4000K 750=70CRI, 5000K 760=70CRI, 6000K 827=80CRI, 2700K 830=80CRI, 3000K AMB=Amber, 590nm <sup>15,17</sup>	H=347V-480V <sup>7,30</sup> 1=120V 2=208V 3=240V 4=277V 8=480V <sup>7</sup> 9=347V <sup>7,30</sup> DV=277V-480V DuraVolt Drivers <sup>28,30,31</sup>	T2=Type II T2R=Type II Roadway T3=Type III T3R=Type III Roadway T4FT=Type IV Forward Throw T4W=Type IV Wide 5NQ=Type V Narrow 5MQ=Type V Square Medium 5WQ=Type V Square Wide SL2=Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control SLL=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right RW=Rectangular Wide Type I AFL=Automotive Frontline	[Blank]=Standard Pole Mount Arm QM=Standard Pole Mount Arm with Quick Mount Adaptor PA=Pole Mount, Adjustable SP=Slipfitter, Adjustable <sup>8</sup> MA=Mast Arm, Fixed WM=Wall Mount, Fixed WA=Wall Mount, Adjustable UP=Upswept Arm	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White RALXX=Custom Color

Options (Add as Suffix)	Controls and Systems Options (Add as Suffix)	Accessories (Order Separately) <sup>28</sup>
DIM=External 0-10V Dimming Leads <sup>20</sup> F=Single Fuse (120, 277 or 347V Specify Voltage) FF=Double Fuse (208, 240 or 480V Specify Voltage) 2K=20kV UL 1449 fused surge protective device <sup>10</sup> 2L=Two Circuits <sup>18</sup> HA=50°C High Ambient HSS=Installed House Side Shield <sup>18</sup> GRSBK=Glare Reducing Shield, Black <sup>23</sup> GRSWH=Glare Reducing Shield, White <sup>23</sup> LCF=Light Square Trim Painted to Match Housing <sup>25</sup> TH=Tool-less Door Hardware <sup>5</sup> CC=Coastal Construction finish <sup>3</sup> L90=Optics Rotated 90° Left R90=Optics Rotated 90° Right AHD145=After Hours Dim, 5 Hours <sup>22</sup> AHD245=After Hours Dim, 6 Hours <sup>22</sup> AHD255=After Hours Dim, 7 Hours <sup>22</sup> AHD355=After Hours Dim, 8 Hours <sup>22</sup> DALI=DALI Drivers	BPC=Button Type Photocontrol <sup>4</sup> PR=NEMA 3-PIN Photocontrol Receptacle PR7=NEMA 7-PIN Photocontrol Receptacle <sup>21</sup> SPB2=Dimming Motion Sensor, 9'-20' mounting <sup>24</sup> SPB4=Dimming Motion Sensor, 21'-40' mounting <sup>24</sup> SPB2/X=Dimming Motion Sensor, limited square count, 9'-20' mounting <sup>24</sup> SPB4/X=Dimming Motion Sensor, limited square count, 21'-40' mounting <sup>24</sup> ZW=WaveLinX Module and 4-PIN Receptacle <sup>19</sup> ZW-SWPD4XX=WaveLinX Sensor Only, 7'-15ft <sup>19,12,13</sup> ZW-SWPD5XX=WaveLinX Sensor Only, 15-40ft <sup>19,12,13</sup> ZW-WOBXX=WaveLinX Sensor with Bluetooth, 7'-15ft <sup>19,12,13</sup> ZW-WOFOX=WaveLinX Sensor with Bluetooth, 15-40ft <sup>19,12,13</sup> ZW-SWPD4XX=WaveLinX Sensor Only, 7'-15ft <sup>19,12,13</sup> ZW-SWPD5XX=WaveLinX Sensor Only, 15-40ft <sup>19,12,13</sup> ZW-WOBXX=WaveLinX Sensor with Bluetooth, 7'-15ft <sup>19,12,13</sup> ZW-WOFOX=WaveLinX Sensor with Bluetooth, 15-40ft <sup>19,12,13</sup> DIM10-MS/DIM-L20=Synapse Occupancy Sensor (9'-20' Mounting) <sup>19</sup> DIM10-MS/DIM-L40=Synapse Occupancy Sensor (21'-40' Mounting) <sup>19</sup>	OA/RA1016=NEMA Photocontrol Multi-Tap - 105-285V OA/RA1027=NEMA Photocontrol - 480V OA/RA1201=NEMA Photocontrol - 347V OA/RA1013=Photocontrol Shorting Cap OA/RA1014=120V Photocontrol MA1252=10kV Surge Module Replacement MA1036-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon MA1037-XX=2@180° Tenon Adapter for 2-3/8" O.D. Tenon MA1197-XX=3@120° Tenon Adapter for 2-3/8" O.D. Tenon MA1188-XX=4@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1189-XX=2@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1190-XX=3@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1191-XX=2@120° Tenon Adapter for 2-3/8" O.D. Tenon MA1038-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon MA1039-XX=2@180° Tenon Adapter for 3-1/2" O.D. Tenon MA1192-XX=3@120° Tenon Adapter for 3-1/2" O.D. Tenon MA1193-XX=4@90° Tenon Adapter for 3-1/2" O.D. Tenon MA1194-XX=2@90° Tenon Adapter for 3-1/2" O.D. Tenon MA1195-XX=3@90° Tenon Adapter for 3-1/2" O.D. Tenon SRA238=Adapter kit for mounting to 2-3/8" O.D. Tenon LS/HSS=Field Installed House Side Shield <sup>9,18</sup> LS/GRSBK=Glare Reducing Shield, Black <sup>9,23</sup> LS/GRSWH=Glare Reducing Shield, White <sup>9,23</sup> LS/PFS=Perimeter Shield, Black <sup>15</sup> WOLC-7P-10A=WaveLinX Outdoor Control Module <sup>11,19</sup> WOA-XX=WaveLinX Wireless Sensor, 7'-15' Mounting Height <sup>12,13,14,19</sup> WOE-XX=WaveLinX Wireless Sensor, 15'-40' Mounting Height <sup>12,13,14,19</sup>

**NOTES:**

1. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information.
2. DesignLights Consortium® Qualified. Refer to [www.designlights.org](http://www.designlights.org) 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. Not available with TH option.
4. Drive current 1200mA not available with color temperatures 722, 727 or 830 when either HA or HSS options are selected.
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. Adjustable Slipfitter arm limited to vertical 3" tenon. For mounting to 2-3/8" O.D. tenons, order accessory SRA238.
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. Requires ZW or ZD receptacle.
15. 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.
16. Set of 4 pcs. One set required per Light Square.
17. Not available with HA option.
18. Not for use with 5WQ, 5MQ, or RW optics. A black trim plate is used when HSS is selected.
19. Cannot be used with other control options.
20. Low voltage control lead brought out 18" outside fixture. Not available with DALI or integrated controls options
21. Not available if any SPB, LWR, or WaveLinX sensor is selected. Motion sensor has an integral photocell.
22. Requires the use of BPC photocontrol or the PR7 or PR photocontrol receptacle with photocontrol accessory.
23. Not for use with T4FT, T4W or SL4 optics. See IES files for details.
24. Sensor configuration mobile application required for configuration. See controls page for details.
25. Replace X with number of Light Squares controlled by the SPB, referencing the "SPB/X Availability Table" on the controls page.
26. Not available with HSS, GRSWH or GRSBK.
27. 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 [DOMESTIC.PREFERENCES](http://DOMESTIC.PREFERENCES) website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
28. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
29. DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit [www.sigint.com/duravolt](http://www.sigint.com/duravolt) for more information.
30. 480V not to be used with ungrounded or impedance grounded systems.
31. Not available in 1 square configuration at 800mA or below. Not available with any control option except SPB.

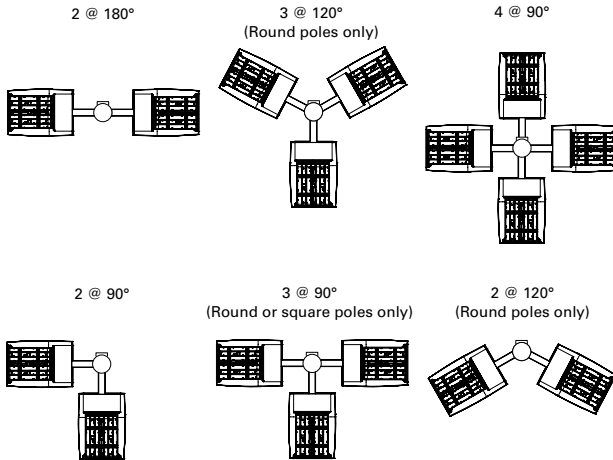
### LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

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

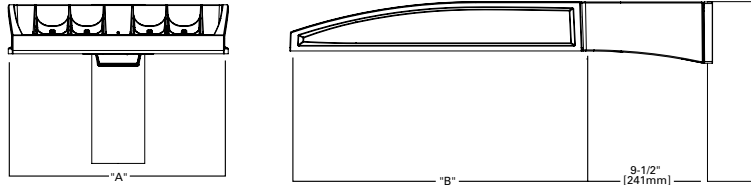
**McGraw-Edison** **GALN Galleon II**

**Mounting Details**

**Pole Configuration Options**

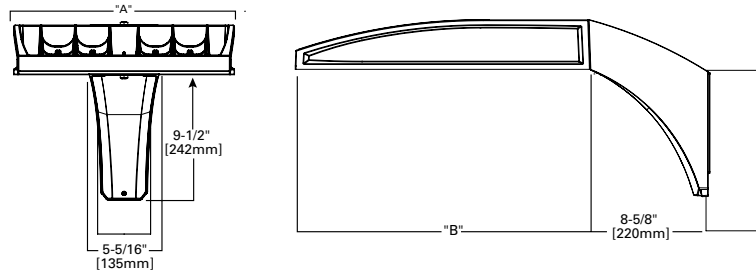


**Quick Mount Arm (QM) \***



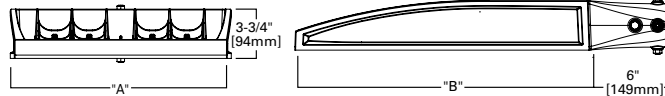
\*NOTE: Use Type N drilling pattern

**Upswept Arm (UP) \***

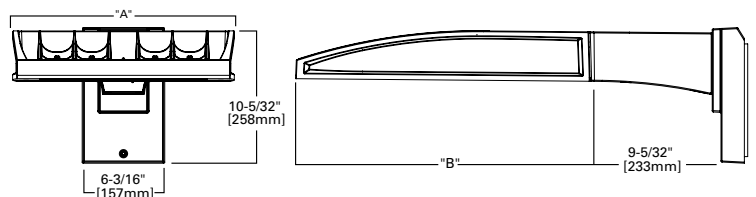


\*NOTE: Use Type N, R or M drilling pattern

**Mast Arm, Fixed (MA)**

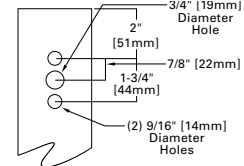


**Wall Mount, Fixed (WM)**

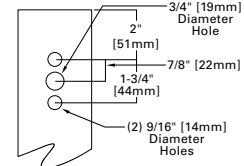


**Pole Drilling Patterns**

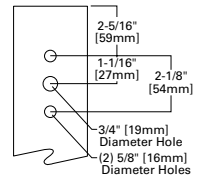
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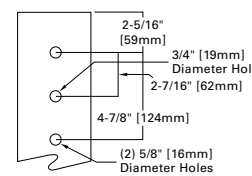
**Type "N"**



**Type "R"**



**Type "M"**





**Job Name:**  
SPIRIT VALLEY BUSINESS PARK - FOR  
SUBMITTAL ONLY  
Engineer: STOCK AND ASSOCIATES  
CONSULTING ENGINEERS (SAINT LOUIS)

**Catalog Number:**  
GALN-SA3C-740-U-T4FT-WM

Notes:

**Type:**

**WP1**

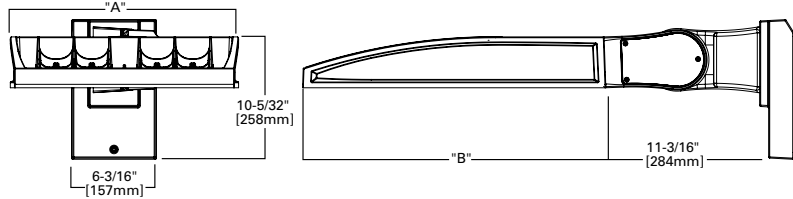
LAI22-278240

# McGraw-Edison

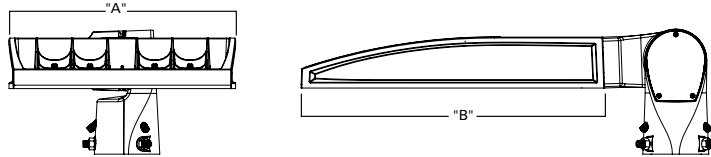
# GALN Galleon II

## Mounting Details

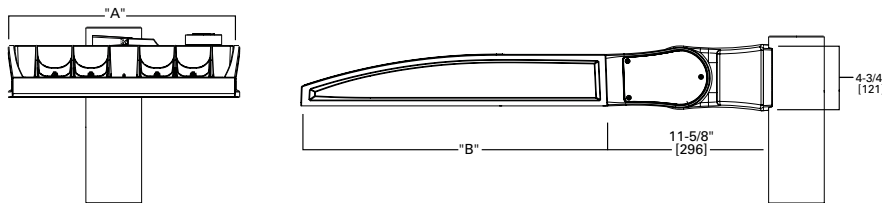
### Wall Mount, Adjustable (WA)



### Slipfitter, Adjustable (SP)

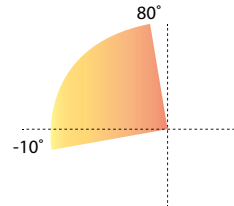


### Pole Mount, Adjustable Arm (PA)



### Adjustable Arm Range of Motion

- Wall Mount (WA), Slipfitter (SP) and Pole Mount (PA)
- Adjustable in increments of 5°
- Must maintain downward facing orientation



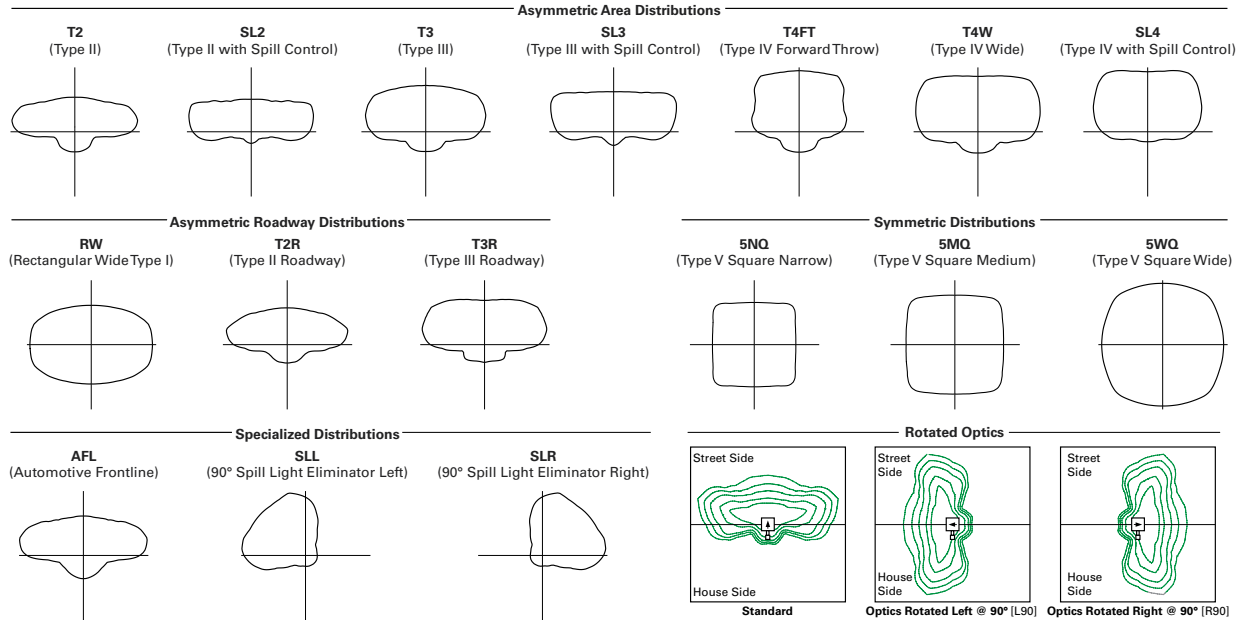
## Fixture Weights and EPAs

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



**McGraw-Edison** **GALN Galleon II**

**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
- 16 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

**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.



**Job Name:**  
 SPIRIT VALLEY BUSINESS PARK - FOR  
 SUBMITTAL ONLY  
 Engineer: STOCK AND ASSOCIATES  
 CONSULTING ENGINEERS (SAINT LOUIS)

**Catalog Number:**  
 GALN-SA3C-740-U-T4FT-WM

Notes:

**Type:**  
**WP1**

LAI22-278240

# McGraw-Edison

# GALN Galleon II

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	
<b>Optics</b>										
<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.





**Job Name:**  
SPIRIT VALLEY BUSINESS PARK - FOR  
SUBMITTAL ONLY  
Engineer: STOCK AND ASSOCIATES  
CONSULTING ENGINEERS (SAINT LOUIS)

**Catalog Number:**  
GALN-SA3C-740-U-T4FT-WM

Notes:

**Type:**  
**WP1**

LAI22-278240

**McGraw-Edison** **GALN Galleon II**

**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)**

These passive infrared (PIR) sensors are factory installed in the luminaire housing. When the SPB sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when no motion is detected. After a period of time, the luminaire turns off, and when motion is detected, the luminaire returns to full light output. 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. An integral photocontrol can be activated with the app for "dusk-to-dawn" control or daylight harvesting - the factory default is off. Three sensor lenses are available to optimize the coverage pattern for mounting heights from 8'-40'. 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.

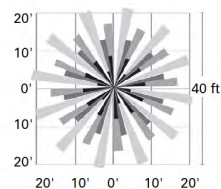
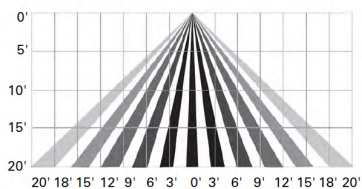
SPB sensor finish matched to luminaire finish		
Luminaire Finish		SPB Sensor Finish
WH	White	White
BK	Black	Black
GM	Graphite Metallic	Black
BZ	Bronze	Bronze
AP	Gray	Gray
DP	Dark Platinum	Gray

SPB/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

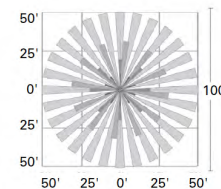
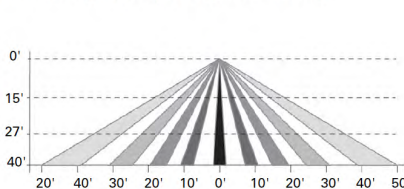
**WaveLinX Wireless Control and Monitoring System**

Operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. WaveLinX and WaveLinX Lite sensors utilize the Zhaga Book 18 compliant 4-PIN receptacle (ZD or ZW), while the WOLC control module utilizes a 7-PIN receptacle. ZW option provides 4-PIN receptacle and control module to enable future installation of WaveLinX sensors. ZD option provides 4-PIN receptacle and sensor-ready (SR) driver to enable future installation of WaveLinX sensors, power monitoring, and advanced functionality. WaveLinX (SWPD4 to SWPD5) 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 (WOF and WOB) 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 astronomical 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' (SWPD4 and WOB)**



**For mounting heights up to 40' (SWPD5 and WOF)**



**LumenSafe Integrated Network Security Camera (LD)**

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

**Synapse (DIM10)**

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



Cooper Lighting Solutions  
1121 Highway 74 South  
Peachtree City, GA 30269  
P: 770-486-4800  
[www.cooperlighting.com](http://www.cooperlighting.com)

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Specifications and dimensions  
subject to change without notice.

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January 20, 2022 4:32 PM



Submitted by LIGHTING ASSOCIATES



**Job Name:**

SPIRIT VALLEY BUSINESS PARK - FOR  
SUBMITTAL ONLY  
Engineer: STOCK AND ASSOCIATES  
CONSULTING ENGINEERS (SAINT LOUIS)

**Catalog Number:**

GALN-SA3C-740-U-T4FT-WM

**Type:**

**WP1**

Notes:

LAI22-278240

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**Job Name:**  
SPIRIT VALLEY BUSINESS PARK - FOR  
SUBMITTAL ONLY  
Engineer: STOCK AND ASSOCIATES  
CONSULTING ENGINEERS (SAINT LOUIS)

**Catalog Number:**  
GALN-SA1D-740-U-SL3-WM

Notes:

**Type:**

**WP2**

LAI22-278240

Project		Catalog #		Type	
Prepared by		Notes		Date	



# McGraw-Edison

## GALN Galleon II

Area / Site Luminaire

### Product Features



### 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 10

### Product Certifications



### Quick Facts

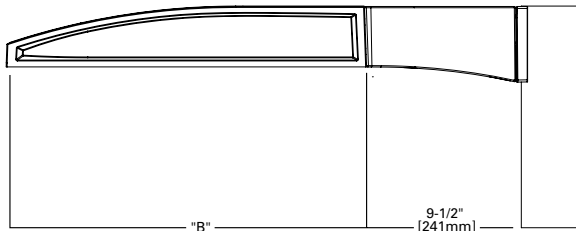
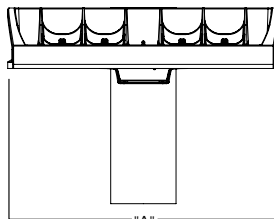
- Lumen packages range from 3,300 - 73,500 (33W - 552W)
- 16 optical distributions
- Efficacy up to 159 lumens per watt

### Connected Systems

- WaveLinX Lite
- WaveLinX

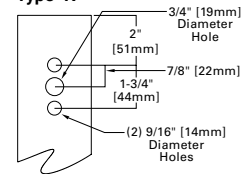
### Dimensional Details

Standard Arm



Pole Drilling Patterns

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)



**Job Name:**  
SPIRIT VALLEY BUSINESS PARK - FOR  
SUBMITTAL ONLY  
Engineer: STOCK AND ASSOCIATES  
CONSULTING ENGINEERS (SAINT LOUIS)

**Catalog Number:**  
GALN-SA1D-740-U-SL3-WM

Notes:

**Type:**  
**WP2**

LAI22-278240

**McGraw-Edison**

**GALN Galleon II**

**Ordering Information**

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

**PLEASE CONFIRM**

Product Family <sup>1,2</sup>	Light Engine		Color Temperature	Voltage	Distribution	Mounting	Finish
	Configuration	Drive Current					
<b>GALN=Galleon II</b>	SA1=1 Square	A=600mA	722=70CRI, 2200K	<b>U=120/277V</b>	T2=Type II	[Blank]=Standard Pole Mount Arm	AP=Grey
BAA-GALN=Galleon II Buy American Act Compliant <sup>27</sup>	SA2=2 Squares	B=800mA	727=70CRI, 2700K	H=347V-480V <sup>7,30</sup>	T2R=Type II Roadway	QM=Standard Pole Mount Arm with Quick Mount Adapter	BZ=Bronze
TAA-GALN=Galleon II Trade Agreements Act Compliant <sup>27</sup>	SA3=3 Squares	C=1000mA	730=70CRI, 3000K	1=120V	T3=Type III	PA=Pole Mount, Adjustable	BK=Black
	SA4=4 Squares	<b>D=1200mA <sup>4,12</sup></b>	735=70CRI, 3500K	2=208V	T3R=Type III Roadway	SP=Slipfitter, Adjustable <sup>8</sup>	DP=Dark Platinum
	SA5=5 Squares		<b>740=70CRI, 4000K</b>	3=240V	T4FT=Type IV Forward Throw	MA=Mount Arm, Fixed	GM=Graphite Metallic
	SA6=6 Squares		750=70CRI, 5000K	4=277V	T4W=Type IV Wide	<b>WM=Wall Mount, Fixed</b>	WH=White
	SA7=7 Squares		760=70CRI, 6000K	8=480V <sup>7</sup>	5NQ=Type V Narrow	WA=Wall Mount, Adjustable	<b>RALXX=Custom Color</b>
	SA8=8 Squares		827=80CRI, 2700K	9=347V <sup>7,30</sup>	5MQ=Type V Square Medium	UP=Upswept Arm	
	SA9=9 Squares		830=80CRI, 3000K	DV=277V-480V DuraVolt Drivers <sup>28,30,31</sup>	5WQ=Type V Square Wide		
			AMB=Amber, 590nm <sup>15,17</sup>		SL2=Type II w/Spill Control		
					<b>SL3=Type III w/Spill Control</b>		
					SL4=Type IV w/Spill Control		
					SLL=90° Spill Light Eliminator Left		
					SLR=90° Spill Light Eliminator Right		
					RW=Rectangular Wide Type I		
					AFL=Automotive Frontline		

Options (Add as Suffix)	Controls and Systems Options (Add as Suffix)	Accessories (Order Separately) <sup>28</sup>
<p>DIM=External 0-10V Dimming Leads <sup>20</sup></p> <p>F=Single Fuse (120, 277 or 347V Specify Voltage)</p> <p>FF=Double Fuse (208, 240 or 480V Specify Voltage)</p> <p>20K=20kV UL 1449 fused surge protective device <sup>10</sup></p> <p>2L=Two Circuits <sup>16</sup></p> <p>HA=50°C High Ambient</p> <p>HSS=Installed House Side Shield <sup>18</sup></p> <p>GRSBK=Glare Reducing Shield, Black <sup>23</sup></p> <p>GRSWH=Glare Reducing Shield, White <sup>23</sup></p> <p>LCF=Light Square Trim Painted to Match Housing <sup>25</sup></p> <p>TH=Tool-less Door Hardware <sup>5</sup></p> <p>CC=Coastal Construction finish <sup>3</sup></p> <p>L90=Optics Rotated 90° Left</p> <p>R90=Optics Rotated 90° Right</p> <p>AHD145=After Hours Dim, 5 Hours <sup>22</sup></p> <p>AHD245=After Hours Dim, 6 Hours <sup>22</sup></p> <p>AHD255=After Hours Dim, 7 Hours <sup>22</sup></p> <p>AHD355=After Hours Dim, 8 Hours <sup>22</sup></p> <p>DALI=DALI Drivers</p>	<p>BPC=Button Type Photocontrol <sup>4</sup></p> <p>PR=NEMA 3-PIN Photocontrol Receptacle</p> <p>PR7=NEMA 7-PIN Photocontrol Receptacle <sup>21</sup></p> <p>SPB2=Dimming Motion Sensor, 9'-20' mounting <sup>24</sup></p> <p>SPB4=Dimming Motion Sensor, 21'-40' mounting <sup>24</sup></p> <p>SPB2/X=Dimming Motion Sensor, limited square count, 9'-20' mounting <sup>24</sup></p> <p>SPB4/X=Dimming Motion Sensor, limited square count, 21'-40' mounting <sup>24</sup></p> <p>ZW=WaveLinX Module and 4-PIN Receptacle <sup>19</sup></p> <p>ZD=WaveLinX Sensor Only, 7-15ft <sup>19,12,13</sup></p> <p>ZW-SWPD4XX=WaveLinX Sensor Only, 15-40ft <sup>19,12,13</sup></p> <p>ZW-SWPD5XX=WaveLinX Sensor Only, 15-40ft <sup>19,12,13</sup></p> <p>ZW-WOBXX=WaveLinX Sensor with Bluetooth, 7-15ft <sup>19,12,13</sup></p> <p>ZW-WOFXX=WaveLinX Sensor with Bluetooth, 15-40ft <sup>19,12,13</sup></p> <p>ZD-SWPD4XX=WaveLinX Sensor Only, 7-15ft <sup>19,12,13</sup></p> <p>ZD-SWPD5XX=WaveLinX Sensor Only, 15-40ft <sup>19,12,13</sup></p> <p>ZD-WOBXX=WaveLinX Sensor with Bluetooth, 7-15ft <sup>19,12,13</sup></p> <p>ZD-WOFXX=WaveLinX Sensor with Bluetooth, 15-40ft <sup>19,12,13</sup></p> <p>DIM10-MS/DIM-L20=Synapse Occupancy Sensor (9'-20' Mounting) <sup>19</sup></p> <p>DIM10-MS/DIM-L40=Synapse Occupancy Sensor (21'-40' Mounting) <sup>19</sup></p>	<p>OA/RA1016=NEMA Photocontrol Multi-Tap - 105-285V</p> <p>OA/RA1027=NEMA Photocontrol - 480V</p> <p>OA/RA1201=NEMA Photocontrol - 347V</p> <p>OA/RA1013=Photocontrol Shorting Cap</p> <p>OA/RA1014=120V Photocontrol</p> <p>MA1252=10kV Surge Module Replacement</p> <p>MA1036-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon</p> <p>MA1037-XX=2@180° Tenon Adapter for 2-3/8" O.D. Tenon</p> <p>MA1197-XX=3@120° Tenon Adapter for 2-3/8" O.D. Tenon</p> <p>MA1188-XX=4@90° Tenon Adapter for 2-3/8" O.D. Tenon</p> <p>MA1189-XX=2@90° Tenon Adapter for 2-3/8" O.D. Tenon</p> <p>MA1190-XX=3@90° Tenon Adapter for 2-3/8" O.D. Tenon</p> <p>MA1191-XX=2@120° Tenon Adapter for 2-3/8" O.D. Tenon</p> <p>MA1038-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon</p> <p>MA1039-XX=2@180° Tenon Adapter for 3-1/2" O.D. Tenon</p> <p>MA1192-XX=3@120° Tenon Adapter for 3-1/2" O.D. Tenon</p> <p>MA1193-XX=4@90° Tenon Adapter for 3-1/2" O.D. Tenon</p> <p>MA1194-XX=2@90° Tenon Adapter for 3-1/2" O.D. Tenon</p> <p>MA1195-XX=3@90° Tenon Adapter for 3-1/2" O.D. Tenon</p> <p>SRA238=Adapter kit for mounting to 2-3/8" O.D. Tenon</p> <p>LS/HSS=Field Installed House Side Shield <sup>9,18</sup></p> <p>LS/GRSBK=Glare Reducing Shield, Black <sup>9,23</sup></p> <p>LS/GRSWH=Glare Reducing Shield, White <sup>9,23</sup></p> <p>LS/PFS=Perimeter Shield, Black <sup>15</sup></p> <p>WOLC-7P-10A=WaveLinX Outdoor Control Module <sup>11,19</sup></p> <p>WOA-XX=WaveLinX Wireless Sensor, 7'-15' Mounting Height <sup>12,13,14,19</sup></p> <p>WOE-XX=WaveLinX Wireless Sensor, 15'-40' Mounting Height <sup>12,13,14,19</sup></p>

**NOTES:**

- 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.
- DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
- Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654. Not available with TH option.
- Drive current 1200mA not available with color temperatures 722, 727 or 830 when either HA or HSS options are selected.
- TH option not 3G rated. Not available with Coastal Construction (CC) option.
- Not available with voltage options H, 8 or 9.
- 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.
- Adjustable Slipfitter arm limited to vertical 3" tenon. For mounting to 2-3/8" O.D. tenons, order accessory SRA238.
- One required for each Light Square.
- 2L is not available with SPB at 347V or 480V. Not available with WaveLinX or Enlighted sensors, or 20kV surge option.
- Requires PR7.
- Replace XX with sensor color (WH, BZ or BK.)
- 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.
- Requires ZW or ZD receptacle.
- 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.
- Set of 4 pcs. One set required per Light Square.

- Not available with HA option.
- Not for use with 5WQ, 5MQ, 5WQ or RW optics. A black trim plate is used when HSS is selected.
- Cannot be used with other control options.
- Low voltage control lead brought out 18" outside fixture. Not available with DALI or integrated controls options
- Not available if any SPB, LWR, or WaveLinX sensor is selected. Motion sensor has an integral photocell.
- Requires the use of BPC photocontrol or the PR7 or PR photocontrol receptacle with photocontrol accessory.
- Not for use with T4FT, T4W or SL4 optics. See IES files for details.
- Sensor configuration mobile application required for configuration. See controls page for details.
- Replace X with number of Light Squares controlled by the SPB, referencing the "SPB/X Availability Table" on the controls page.
- Not available with HSS, GRSWH or GRSBK.
- 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 DOMESTIC PREFERENCE website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
- For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
- DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.sigint.com/duravolt for more information.
- 480V not to be used with ungrounded or impedance grounded systems.
- Not available in 1 square configuration at 800mA or below. Not available with any control option except SPB.

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

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



**Job Name:**  
SPIRIT VALLEY BUSINESS PARK - FOR  
SUBMITTAL ONLY  
Engineer: STOCK AND ASSOCIATES  
CONSULTING ENGINEERS (SAINT LOUIS)

**Catalog Number:**  
GALN-SA1D-740-U-SL3-WM

Notes:

**Type:**

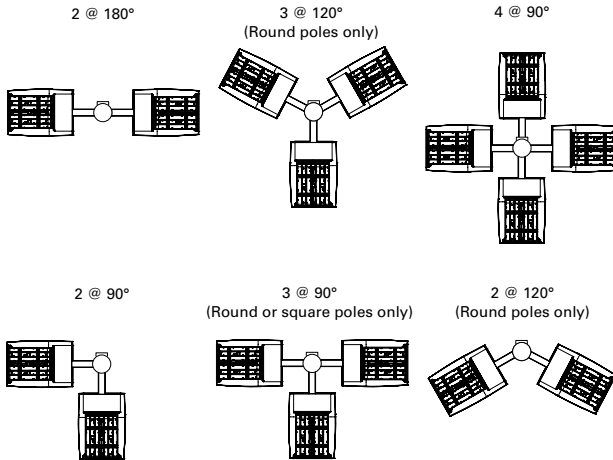
**WP2**

LAI22-278240

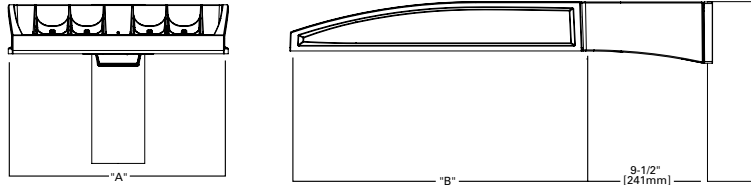
**McGraw-Edison** **GALN Galleon II**

**Mounting Details**

**Pole Configuration Options**

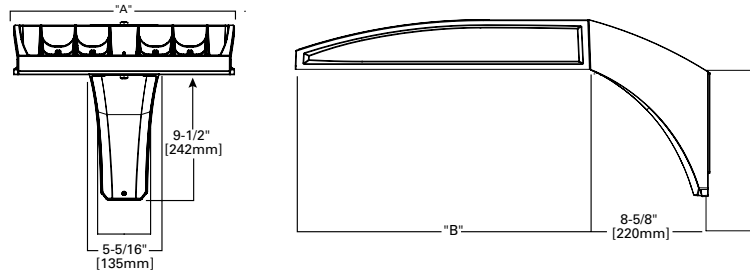


**Quick Mount Arm (QM) \***



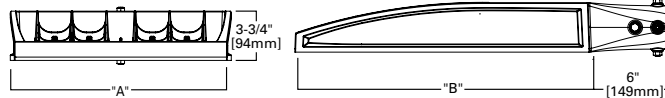
\*NOTE: Use Type N drilling pattern

**Upswept Arm (UP) \***

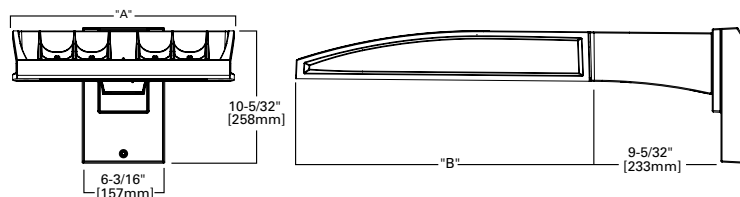


\*NOTE: Use Type N, R or M drilling pattern

**Mast Arm, Fixed (MA)**

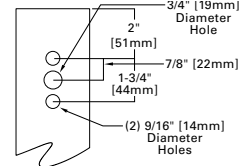


**Wall Mount, Fixed (WM)**

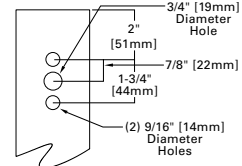


**Pole Drilling Patterns**

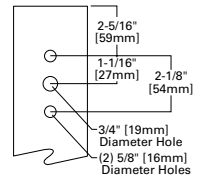
**Type "N"**



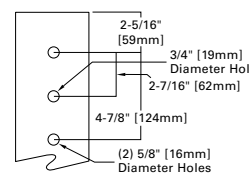
**Type "N"**



**Type "R"**



**Type "M"**





**Job Name:**  
SPIRIT VALLEY BUSINESS PARK - FOR  
SUBMITTAL ONLY  
Engineer: STOCK AND ASSOCIATES  
CONSULTING ENGINEERS (SAINT LOUIS)

**Catalog Number:**  
GALN-SA1D-740-U-SL3-WM

Notes:

Type:

**WP2**

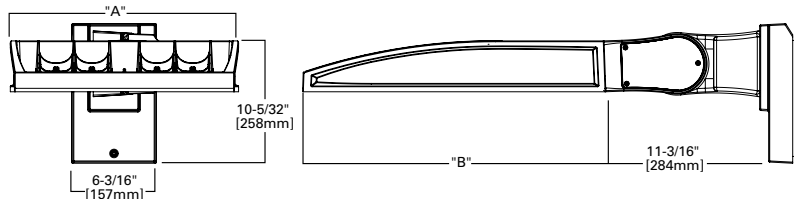
LAI22-278240

# McGraw-Edison

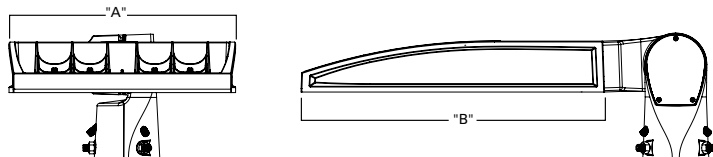
# GALN Galleon II

## Mounting Details

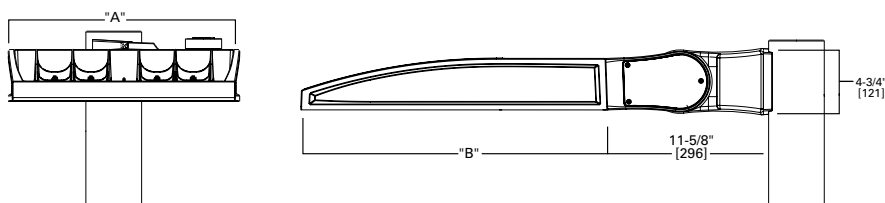
### Wall Mount, Adjustable (WA)



### Slipfitter, Adjustable (SP)

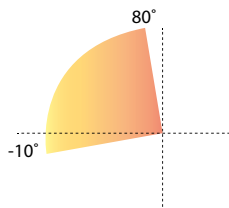


### Pole Mount, Adjustable Arm (PA)



### Adjustable Arm Range of Motion

- Wall Mount (WA), Slipfitter (SP) and Pole Mount (PA)
- Adjustable in increments of 5°
- Must maintain downward facing orientation



## 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



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**Catalog Number:**  
GALN-SA1D-740-U-SL3-WM

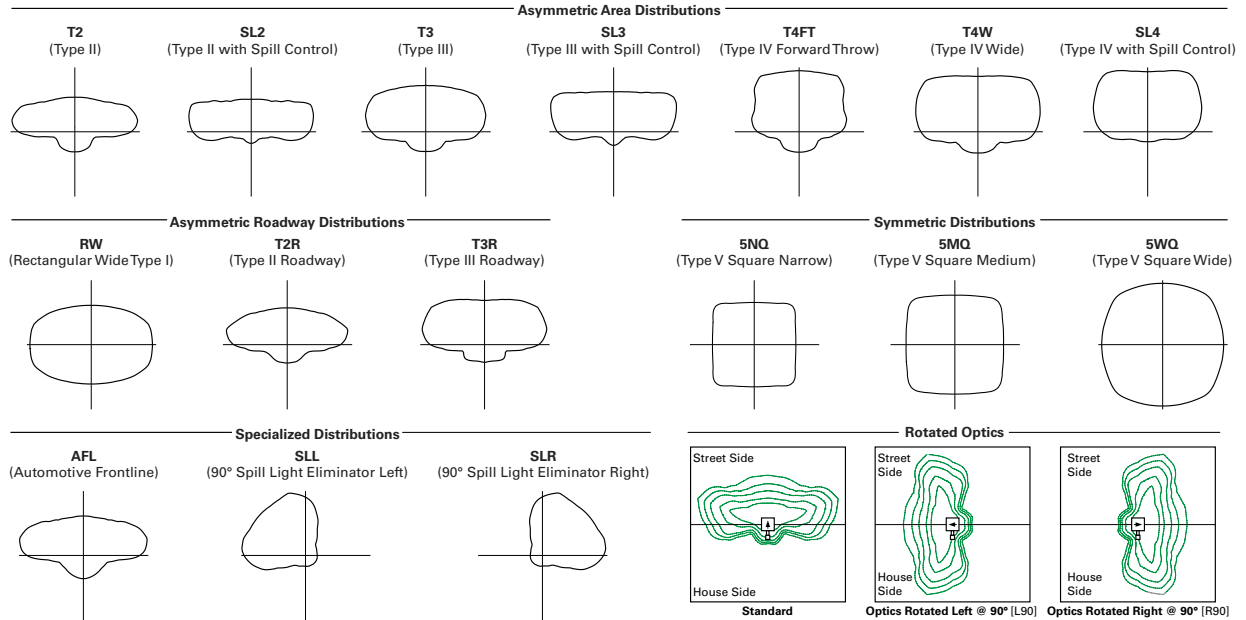
Notes:

**Type:**  
**WP2**

LAI22-278240

# McGraw-Edison GALN Galleon II

## 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
- 16 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

### 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

\* 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.

### 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





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 CONSULTING ENGINEERS (SAINT LOUIS)

**Catalog Number:**  
 GALN-SA1D-740-U-SL3-WM

Notes:

**Type:**  
**WP2**

LAI22-278240

# McGraw-Edison

# GALN Galleon II

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

Number of Light Squares	1	2	3	4	5	6	7	8	9	
<b>Nominal Power (Watts)</b>	65	125	184	245	309	368	433	493	552	
<b>Input Current @ 120V</b>	0.546	1.041	1.535	2.082	2.578	3.070	3.619	4.114	4.605	
<b>Input Current @ 208V</b>	0.318	0.610	0.893	1.219	1.504	1.786	2.113	2.397	2.679	
<b>Input Current @ 240V</b>	0.276	0.523	0.758	1.046	1.282	1.516	1.806	2.041	2.274	
<b>Input Current @ 277V</b>	0.241	0.460	0.662	0.920	1.133	1.325	1.593	1.807	1.987	
<b>Input Current @ 347V</b>	0.187	0.370	0.543	0.740	0.915	1.085	1.285	1.459	1.628	
<b>Input Current @ 480V</b>	0.138	0.269	0.391	0.537	0.663	0.782	0.932	1.057	1.173	
<b>Optics</b>										
<b>T2</b>	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
<b>T2R</b>	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
<b>T3</b>	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
<b>T3R</b>	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
<b>T4FT</b>	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
<b>T4W</b>	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
<b>SL2</b>	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
<b>SL3</b>	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
<b>SL4</b>	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
<b>5NQ</b>	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
<b>5MQ</b>	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
<b>5WQ</b>	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
<b>SLL/SLR</b>	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
<b>RW</b>	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
<b>AFL</b>	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.





**Job Name:**  
SPIRIT VALLEY BUSINESS PARK - FOR  
SUBMITTAL ONLY  
Engineer: STOCK AND ASSOCIATES  
CONSULTING ENGINEERS (SAINT LOUIS)

**Catalog Number:**  
GALN-SA1D-740-U-SL3-WM

Notes:

**Type:**  
**WP2**

LAI22-278240

**McGraw-Edison** **GALN Galleon II**

**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)**

These passive infrared (PIR) sensors are factory installed in the luminaire housing. When the SPB sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when no motion is detected. After a period of time, the luminaire turns off, and when motion is detected, the luminaire returns to full light output. 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. An integral photocontrol can be activated with the app for "dusk-to-dawn" control or daylight harvesting - the factory default is off. Three sensor lenses are available to optimize the coverage pattern for mounting heights from 8'-40'. 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.

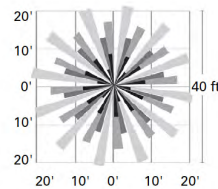
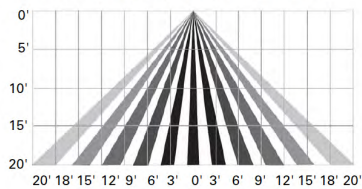
SPB sensor finish matched to luminaire finish		
Luminaire Finish		SPB Sensor Finish
WH	White	White
BK	Black	Black
GM	Graphite Metallic	Black
BZ	Bronze	Bronze
AP	Gray	Gray
DP	Dark Platinum	Gray

SPB/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

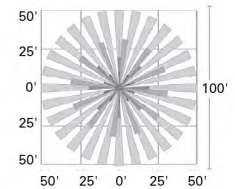
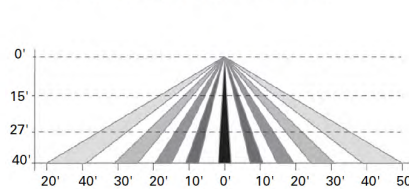
**WaveLinX Wireless Control and Monitoring System**

Operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. WaveLinX and WaveLinX Lite sensors utilize the Zhaga Book 18 compliant 4-PIN receptacle (ZD or ZW), while the WOLC control module utilizes a 7-PIN receptacle. ZW option provides 4-PIN receptacle and control module to enable future installation of WaveLinX sensors. ZD option provides 4-PIN receptacle and sensor-ready (SR) driver to enable future installation of WaveLinX sensors, power monitoring, and advanced functionality. WaveLinX (SWPD4 to SWPD5) 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 (WOF and WOB) 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 astronomical 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' (SWPD4 and WOB)



For mounting heights up to 40' (SWPD5 and WOF)



**LumenSafe Integrated Network Security Camera (LD)**

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

**Synapse (DIM10)**

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



Cooper Lighting Solutions  
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Peachtree City, GA 30269  
P: 770-486-4800  
[www.cooperlighting.com](http://www.cooperlighting.com)

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Specifications and dimensions  
subject to change without notice.

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Submitted by LIGHTING ASSOCIATES



**Job Name:**

SPIRIT VALLEY BUSINESS PARK - FOR  
SUBMITTAL ONLY  
Engineer: STOCK AND ASSOCIATES  
CONSULTING ENGINEERS (SAINT LOUIS)

**Catalog Number:**

GALN-SA1D-740-U-SL3-WM

**Type:**

**WP2**

Notes:

LAI22-278240

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