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## Architectural Review Board Staff Report

Meeting Date: December 8, 2022

From: Alyssa Ahner, Planner

Location: 34 Arnage Road

Description: <u>TSG Chesterfield Airport Road, Lot D (Scrubbles) SDSP</u>: A Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations, and Architect's Statement of Design for a 1.5-acre tract of land located north of Chesterfield Airport Rd., west of Jaguar Land Rover Way, and south of Arnage Rd.

## PROPOSAL SUMMARY

Levine Associates, on behalf of Tifton Car Wash, LLC., has submitted a Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations, and Architect's Statement of Design for a proposed car wash on undeveloped land located along Chesterfield Airport Road.



Figure 1: Subject Site

IV.A

### HISTORY OF SUBJECT SITE

Pre-1988: Subject site zoned "NU" Non-Urban.

- 2017: Site was rezoned from "NU" Non-Urban to "PC" Planned Commercial under governing Ordinance 2969.
- 2020: Site was rezoned to a new "PC" Planned Commercial District under governing Ordinance 3082 and a Site Development Section Plan for Lot A (Jaguar Land Rover) was approved.
- 2022: Site was rezoned to a new "PC" Planned Commercial District under governing Ordinance 3206 to add "Car Wash" as a permitted use.

## STAFF ANALYSIS

The Unified Development Code's Architectural Review Design Standards are broken down into two (2) areas of review: Site Design and Building Design.

General Requirements for Site Design are further broken down into the following categories:

- Site Relationship
- Circulation and Access

- Topography and Parking
- Retaining Walls

General Requirements for Building Design are further broken down into the following categories:

- Scale
- Design
- Materials and Color

- Landscape Design and Screening
- Signage
- Lighting

The Unified Development Code also includes specific site and building design criteria for Auto Service and Fuel Stations, shown in Figure 2 below:

	Access	Exterior Elements	Landscaping and Screening	Scale	Site Design
Auto Service and Fuel Stations	See "General Requirements for Building Design" Section 405.04.010(D) of this Article	Provide a structural or strong design element to anchor corner stores. Create building(s) designs compatible with surrounding developments. Use of prefabricated or predesigned buildings is discouraged. If used, adapt the design so as to be compatible with adjacent development.	Provide landscaping and/ or pathways in an alternate paving material to break up expanses of pavement and/or asphalt. Screen or architecturally incorporate tank vents into the design.	Design prefabricated or pre-designed buildings, if used, so as to have a scale and proportions compatible with adjacent development.	Avoid multiple structures on the site Situate car wash openings away from the street

Figure 2: Specific Site and Building Design

A. Site Relationships

The subject site is largely surrounded by automobile-related uses including dealerships and service-related businesses. There are two lots immediately west of the site that are undeveloped and do not have plans underway at this time. Across Chesterfield Airport Road to the south is a church and an automobile tire service facility.

B. Circulation, Parking, & Access

The development is to be accessed by one bi-directional drive located on the west end of the northern property line along Arnage Road. Vehicles entering the site would travel counter-clock wise to access the car wash. Upon exiting the car wash, vehicles may either turn right to exit the site using the same bi-directional drive they entered through or turn left to enter the vacuum stall area. The area shaded in red in Figure 3 to the right depicts the single access location.



Figure 3: Access Location

## C. Topography

The majority of the site is flat, however, there is a minor grade change along the eastern and northern edges of the lot where there are two existing drainage ditches (see Figure 4 for reference). A retaining wall with a handrail is proposed along these edges to accommodate the 5' wide required sidewalk.

D. Scale

The area surrounding the subject site is primarily comprised of one-story design buildings similar to the proposed onestory design car wash. For comparison, the recently (2020) constructed building located northeast of the subject site (Jaguar Land Rover), stands at a height of 26'4" with the rooftop mechanical unit screening extending six feet above



Figure 4: Drainage area along northeast corner

that for a maximum height of roughly 32'. The building located directly east of the subject site (Auto Zone) reaches a maximum height of 21' at the parapet.

The building for the car wash is proposed to reach a maximum height of 28'6" at the rooftops of the two tower components. The parapet for the remaining portions of the building not featuring the tower components would range from 15'4" (office/lobby area) to 18'6" (car wash bay). The maximum height allowed by site-specific ordinance is 42'.

## E. Materials & Design

The car wash will predominantly feature brick masonry in what is described as "Best Brick Savannah Blend Field Brick" (see Figure 5). The columns, seen on the east and west elevations, feature what is described as "Midwest Block Soft Gold Split-face CMU Piers & Wainscot" (see Figure 6).

The two tower components (see Figure 5) of the building, which are purely an architectural feature, are comprised of white EIFs including a decorative cornice. The roof of the carwash and the canopy will be constructed of standing seam metal in a dark bronze. The dark bronze color will continue to be utilized for any of the metal components i.e., canopy, windows, louvers, vacuum canopies, and heavy metal doors. The roll up doors for



Figure 5: Tower Components of Car Wash

the car wash entrance/exit, seen on the north and south elevations, will be constructed of vinyl in the dark bronze color in addition to some transparent panels. The applicant's packet provides further details and specifications for the roll up doors.

The retaining wall, as required along Jaguar Land Rover Way and Arnage Road due to grade change for drainage, is to be constructed of what is described as "Versa-lok Square Foot Bethany Ledge Blend" (see Figure 6).



Figure 6: Material Reference ID

## F. Landscape Design and Screening

There are existing street trees along Jaguar Land Rover Way and Arnage Road, however, additional street trees will be provided along Chesterfield Airport Road in the required 30' wide landscape buffer. A mixture of trees and vegetation will be incorporated throughout the interior of the site to provide screening for both the trash enclosure and the vacuum equipment enclosures. The enclosures, all of which are located on the northern portion or rear of the site, will be constructed of the same masonry as the car wash with any metal or bollards in the dark bronze utilized throughout the remainder of the site.

A majority of the mechanical equipment for the car wash will be located within the car wash tunnel. One piece of equipment will be located on the roof of the car wash tunnel and will be fully screened by the parapet.

## G. Lighting

There will be five light poles (see Figure 7) incorporated throughout the site. Per the property owner, these are to be the same light poles utilized throughout the remainder of the TSG Chesterfield Airport Road development. One wall pack (see Figure 8) will be utilized at the rear of the site on the north elevation of the building. All proposed lighting is code compliant.



Figure 7: Light Pole

## RENDERINGS



Figure 8: Wall Pack



Figure 9: View traveling east on Chesterfield Airport Road



Figure 10: View entering the subject site from Arnage Road

#### Architectural Review Board December 8, 2022

### DEPARTMENT INPUT

Be advised, this project is still going through development review by City Staff and will not proceed to the Planning Commission until all outstanding items have been addressed. All recommendations made by the Architectural Review Board will be included in Staff's report to the Planning Commission.

Staff requests review of the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations, and Architect's Statement of Design for TSG Chesterfield Airport Road, Lot D (Scrubbles).

#### MOTION

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

- 1) "I move to forward the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations, and Architect's Statement of Design for TSG Chesterfield Airport Road, Lot D (Scrubbles) as presented, with a recommendation for approval (or denial) to the Planning Commission."
- 2) "I move to forward the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations, and Architect's Statement of Design for TSG Chesterfield Airport Road, Lot D (Scrubbles) to the Planning Commission with a recommendation for approval with the following conditions..."

Attachments: 1. Architectural Review Packet Submittal

## Revised Renderings

The renderings found in the applicant's packet were from the initial submittal and have since been revised. Please use the following revised renderings for review.











November 27, 2022

Scrubbles Car Wash 34 Arnage Road Chesterfield, Missouri 63005

## ARCHITECT'S STATEMENT

This statement is the Architect's Statement of Design indicating the intent of the project and how we are addressing each section of the Architectural Design Standards.

## I. INTENT OF THE PROJECT

The proposed building is a new Scrubbles Car Wash, located at 34 Arnage Road. This is a drivethrough building with all mechanical washing and drying taking place within the building. Self service vacuum stations are located in the parking areas adjacent to the building. The site is within a recently developed parcel located between Chesterfield Airport Road and Arnage Road, just west of Jaguar Land Rover Way, about a block south of Interstate I-64.

The site is just over one acre. The one-story building is approximately 3850 square feet, and the maximum height is 28'-6" to the peak of the tower roofs, All structures on the site total about 5400 square feet. Although the entry to the building faces Chesterfield Airport Road, the vehicular entrance is on Arnage Road. The building itself faces all three streets. The balance of the site is made up of vehicular parking, vehicular traffic circulation and landscaped areas.

## II. GENERAL REQUIREMENTS FOR SITE DESIGN

The project site is south of I-64, with primary access to the site from Arnage Road, using Jaguar Land Rover Way coming from Chesterfield Airport Road. This one story building is consistent with the size and scale of other adjacent retail developments in the immediate area, as well as the overall Chesterfield Valley.

The single vehicular access point is from Arnage Road, with no direct access from the high volume Chesterfield Airport road to the south. Automobiles are directed to the pay stations and wash building with plenty of queuing space. Self-service vacuum stations are located in parking areas parallel to the building with a directional drive allowing easy entrance and exit of this area. The main length of parking is screened by the building. Although pedestrian access would be minimal, a continuous sidewalk is provided along all three street-facing sides, as well as along the length of the building. Pedestrians entering the building are protected by a metal canopy at the door.

Scrubbles—Chesterfield Architect's Statement Page 2

The site is relatively flat. The property is suitably graded to provide properly designed storm water drainage. Additionally, a bio-retention basin is provided on the west side conforming to MSD and city requirements. With minimal grade change, the only retaining walls are along the sidewalks on the east and north sides. These are interlocking masonry retaining walls at a maximum height of 4'. The retaining walls will be a blend used in the area that ties together the natural tones of the building and the surrounding hardscape.

## III. GENERAL REQUIREMENTS FOR BUILDING DESIGN

The building size and height is generally consistent with other buildings in the area. The parking areas, landscape buffers and streets on three sides separate this building from adjacent buildings.

The building design uses the standard design for the Scrubbles carwash group. The exterior uses decorative concrete masonry on all four sides, as well as two distinctive EIFS towers with standing seam metal hipped roofs. Additionally there are free-standing payment and prep canopies at the front entry with curved standing seam metal roofs to match the tower roofs. The masonry walls are punctuated with a continuous wainscot and piers of contrasting colors. All masonry walls are detailed with a projecting EIFS cornice. In general the building uses a palette of natural colors in the tan and buff range. All metal components in the building are dark bronze.

Landscaping is designed to complement the building and help screen parking. Trash and outdoor equipment are screened with masonry enclosures matching the building design.

Lighting is designed to accent the building and provide required lighting levels in the parking areas without bleeding over to adjacent properties. All lighting conforms to the requirements of the Chesterfield Unified Development Code. Cut sheets of fixtures and a site photometric plan is included as part of this submission. Signage will be submitted and reviewed separately.

## IV. SPECIFIC REQUIREMENTS FOR CHESTERFIELD VALLEY

As described above, all four facades are detailed consistently. Standing metal roofing and canopies match. Trash and other site enclosures are detailed to match the masonry of the building. All building utilities will be provided with underground methods. There is no exterior storage.

The parking area is generally for customer use for self-service vacuuming. Most parking spaces are equipped with independent vacuum equipment and covered with a lightweight awning.

Cameron Coleman Project Architect





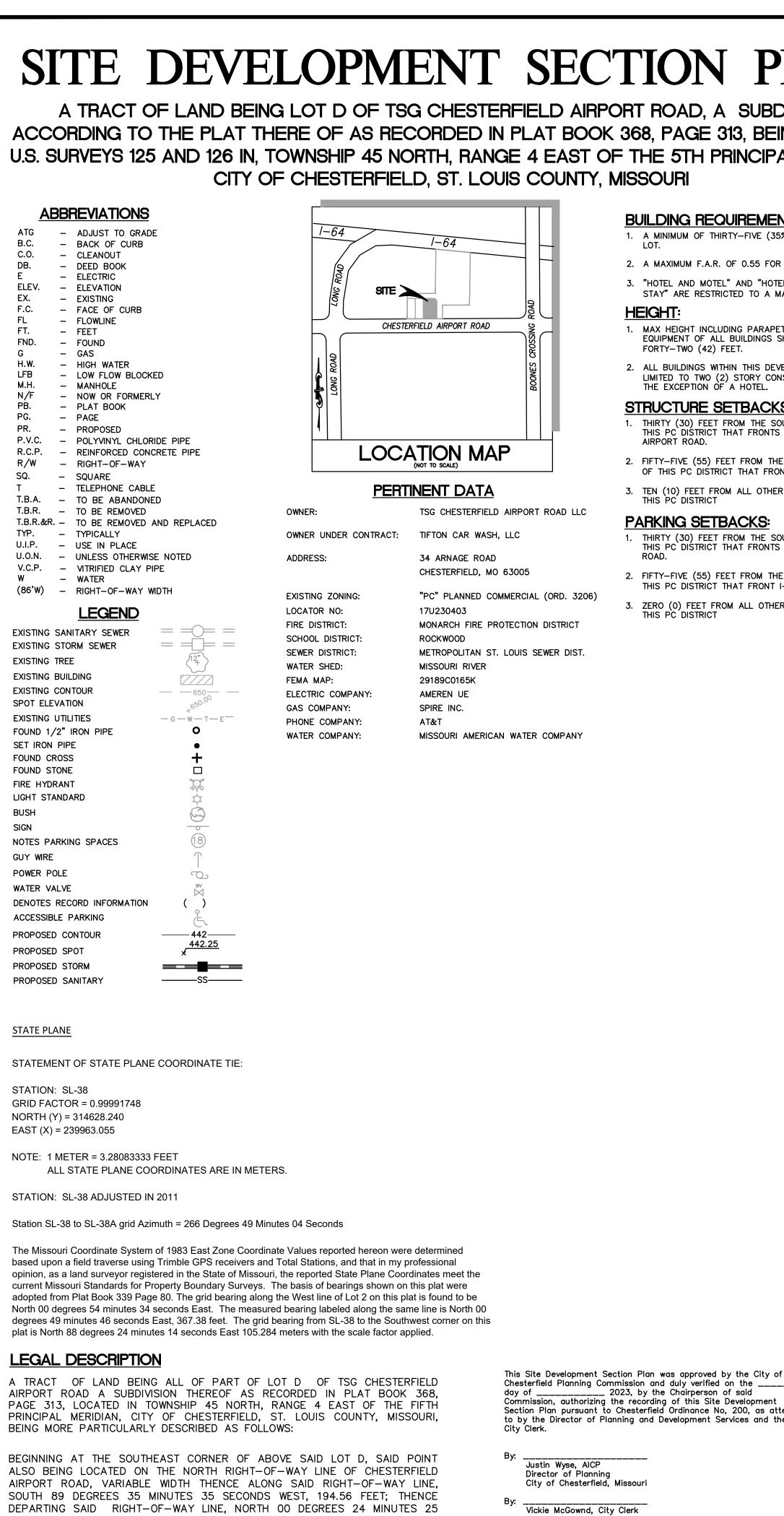












DEPARTING SAID RIGHT-OF-WAY LINE, NORTH 00 DEGREES 24 MINUTES 25 SECONDS WEST, 311.29 FEET TO THE SOUTH LINE OF ARNAGE ROAD, 56 FEET WIDE; THENCE ALONG SAID SOUTH LINE, NORTH 89 DEGREES 35 MINUTES 32 SECONDS EAST, 152.34 FEET TO A POINT OF CURVATURE TO THE RIGHT, HAVING A RADIUS OF 45.00 FEET, AN ARC LENGTH OF 71.16 FEET TO A POINT OF TANGENCY, SAID POINT BEING LOCATED ON THE WEST LINE OF A PRIVATE ROAD (A.K.A JAGUAR LAND ROVER WAY), SAID POINT ALSO BEING LOCATED ON THE EAST LINE OF ABOVE SAID LOT D; THENCE ALONG THE COMMON LINE BETWEEN LOT D AND SAID PRIVATE ROAD, SOUTH OO DEGREES 11 MINUTES 27 SECONDS WEST, 265.84 FEET TO THE POINT OF BEGINNING. CONTAINING 60,627 SQUARE FEET OR 1.392 ACRES, MORE OR LESS.

## CONTRACTOR'S INSURANCE REQUIREMENTS

PRIOR TO OBTAINING A CONSTRUCTION PERMIT FROM THE METROPOLITAN ST. LOUIS SEWER DISTRICT, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE THE DISTRICT WITH A COPY OF AN ECUTED CERTIFICATE OF INSURANCE INDICATING THAT THE PERMITTEE HAS OBTAINED AND WILL CONTINUE TO CARRY COMMERCIAL GENERAL LIABILITY AND COMPREHENSIVE AUTO LIABILITY INSURANCE. THE REQUIREMENTS AND LIMITS SHALL BE AS STATED IN THE "RULES AND REGULATIONS AND ENGINEERING DESIGN REQUIREMENTS FOR SANITARY AND STORMWATER DRAINAGE FACILITY", SECTION 10.090 (ADDENDUM).

## UTILITY NOTE:

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

## PREPARED FOR:

TSG CHESTERFIELD AIRPORT ROAD, LLC & TIFTON CAR WASH, LLC 2127 INNERBELT BUSINESS CENTER DR, P.O. BOX 7726 SUITE 200 ST. LOUIS MO 63114

TIFTON, GA 31793 ATTN: MR. TODD BUCKNER

## M.S.D. + STLCO BENCHMARK

BENCHMARK# 12171 NGVD29 Elev = 460.06 Ft US Standard DNR aluminum disk stamped SL–38 situated in a grassy area northwest of the intersection of Chesterfield Airport Road and Caprice Drive, south of the parking for a retail strip center approximately 0.1 miles east of Long Road; roughly 58 feet west of the centerline of Caprice Drive. 43 feet north of the centerline of Chesterfield Airport Road, and 69 feet east of a fire hydrant.

## SITE BENCHMARK

BENCHMARK "SQ" ON LIGHT POLE at the Southwest corner of 17505 Chesterfield Airport ELEV: 464.89

## **SURVEYOF**

This is to certify that Sto has prepared this Site Deve and does not represent a shown is a correct represe divisions. STOCK AND ASSOCIATES C L.S. No. 222-D

Walter J Pfleger, Missouri L.S. No. 2008000728

City of Chesterfield, Missouri

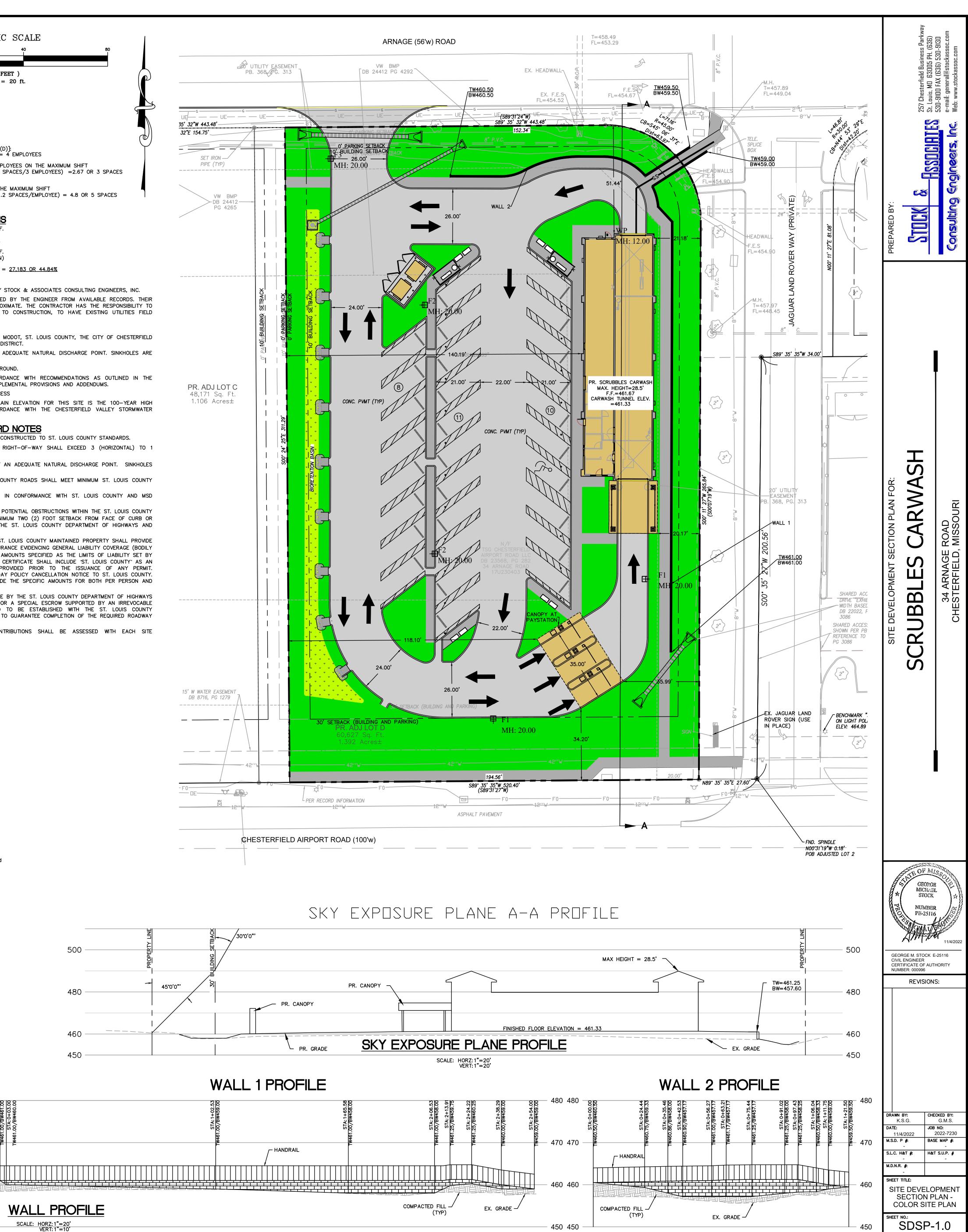
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ARAPETS AND ROOFTOP NGS SHALL NOT EXCEED	TOTAL PROVIDED: 5 EMPLOYEE SPACES		VW BMP DB 24412 PG 4265
S DEVELOPMENT SHALL BE Y CONSTRUCTION, ONLY WITH EL.	OPENSPACE CALCULATIONSTOTAL SITE AREA:60,627 S.F.BUILDING/CANOPY/PAYSTATION:5,396 S.F.		
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M THE NORTHERN BOUNDARY FRONT I-64/US 40. OTHER BOUNDARY LINES WITHIN	PERCENT OPENSPACE: 60,627-5,396-28,048 = 27.183 GENERAL NOTES 1. BOUNDARY AND TOPOGRAPHIC SURVEY BY STOCK of 2. ALL UTILITIES SHOWN HAVE BEEN LOCATED BY THE LOCATION SHOULD BE CONSIDERED APPROXIMATE. NOTIFY ALL UTILITY COMPANIES, PRIOR TO CONSI	& ASSOCIATES CONSULTING ENGINEERS, INC. IE ENGINEER FROM AVAILABLE RECORDS. THEIR THE CONTRACTOR HAS THE RESPONSIBILITY TO	I I I I I I I I I I I I I I I I I I I
<b>S</b> HE SOUTHERN BOUNDARY OF RONTS ON CHESTERFIELD AIRPORT M THE NORTHERN BOUNDARY OF RONT I-64/US 40. OTHER BOUNDARY LINES WITHIN	<ul> <li>LOCATED.</li> <li>3. NO GRADE SHALL EXCEED 3:1 SLOPE.</li> <li>4. GRADING AND STORM WATER PER M.S.D., MODOT, AND THE MONARCH CHESTERFIELD LEVEE DISTRICT.</li> <li>5. STORMWATER SHALL BE DISCHARGED AT ADEQUAT NOT ADEQUATE DISCHARGE POINTS.</li> <li>6. ALL UTILITIES WILL BE INSTALLED UNDERGROUND.</li> <li>7. SITE DEVELOPMENT SHALL BE IN ACCORDANCE GEOTECHNICAL REPORT AND ALL ITS SUPPLEMENTA</li> <li>8. SIGNAGE APPROVAL IS A SEPARATE PROCESS</li> <li>9. THE CONTROLLING REGULATORY FLOODPLAIN ELEV</li> </ul>	E NATURAL DISCHARGE POINT. SINKHOLES ARE MITH RECOMMENDATIONS AS OUTLINED IN THE L PROVISIONS AND ADDENDUMS.	PR. ADJ LOT C 48,171 Sq. Ft.
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	THE COUNTY WITH A CERTIFICATE OF INSURANCE EX INJURY AND PROPERTY DAMAGE) IN THE AMOUNTS THE STATE FOR PUBLIC ENTITIES. SUCH CERTIFICA ADDITIONAL INSURED AND SHALL BE PROVIDED CERTIFICATE SHALL PROVIDE FOR A 30 DAY POLIC UPON REQUEST, THE COUNTY WILL PROVIDE THE S	VIDENCING GENERAL LIABILITY COVERAGE (BODILY SPECIFIED AS THE LIMITS OF LIABILITY SET BY ATE SHALL INCLUDE "ST. LOUIS COUNTY" AS AN PRIOR TO THE ISSUANCE OF ANY PERMIT. Y CANCELLATION NOTICE TO ST. LOUIS COUNTY.	
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			15' W WATER EASEMENT DB 8716, PG 1279
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shown on this plan permit to develop pl ment	LC, the owner under contract of the property for and in consideration of being granted a roperty under the provisions of Chapter. <u>"PC" - Planned Commercial</u> (present zoning)		
the date of recordin thereon, unless said	do hereby agree and declare that said property from g this plan shall be developed only as shown plan is amended by the Planning Commision, d by order of ordinance of the City of Chesterfield Council.		
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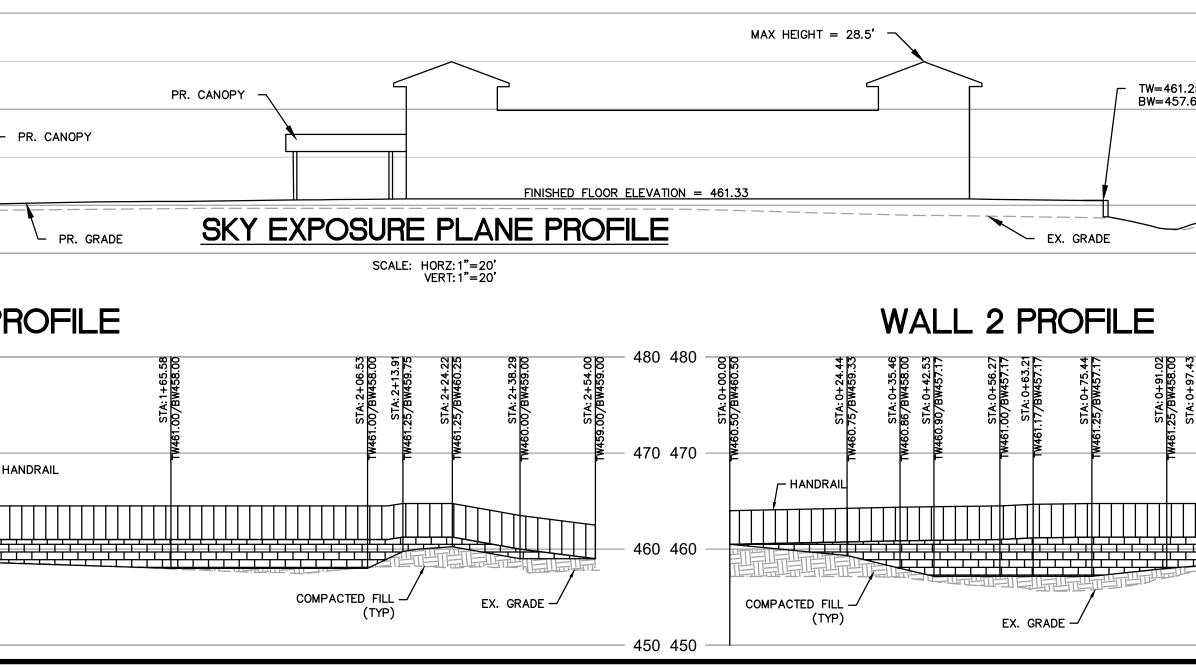
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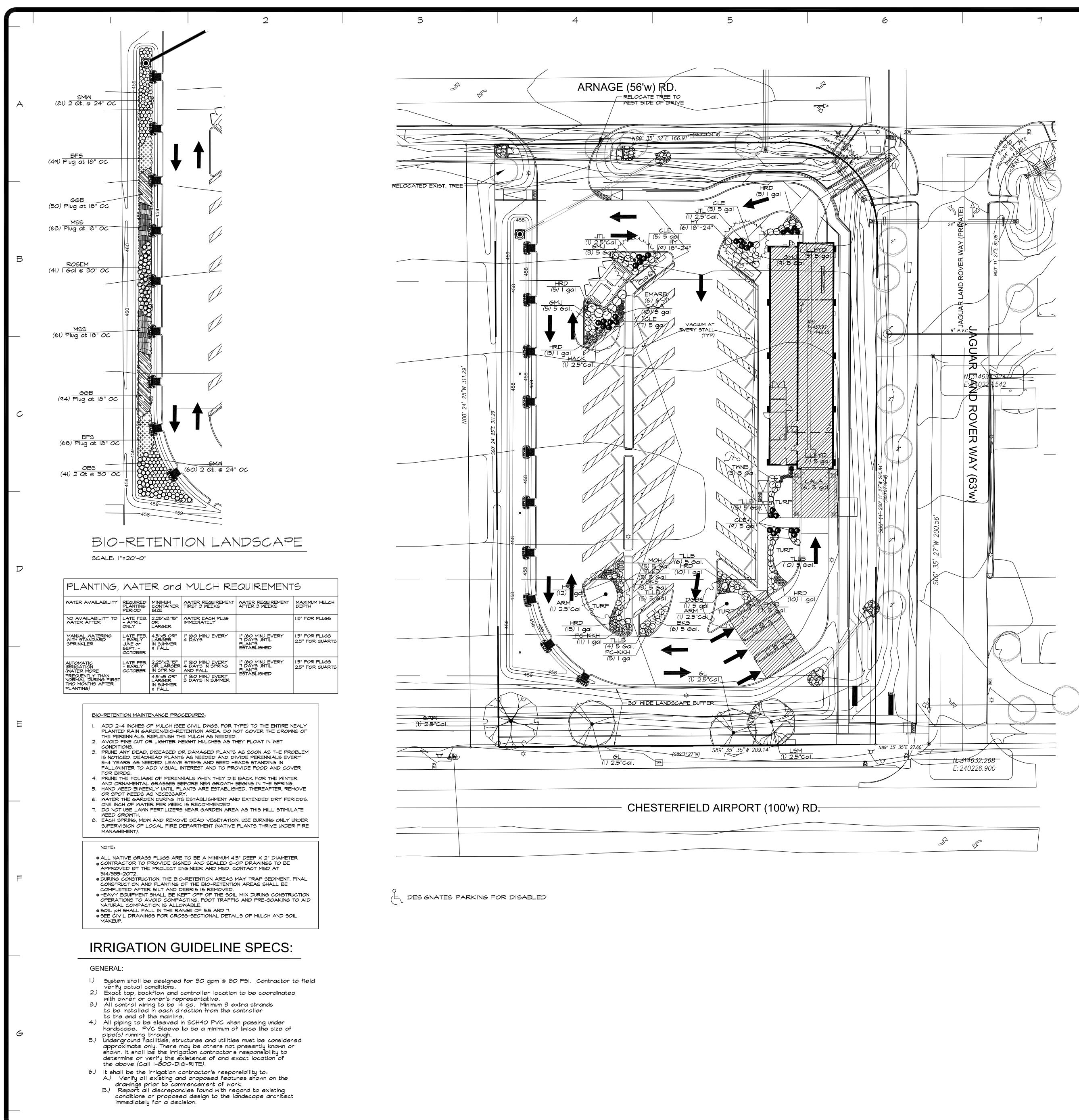
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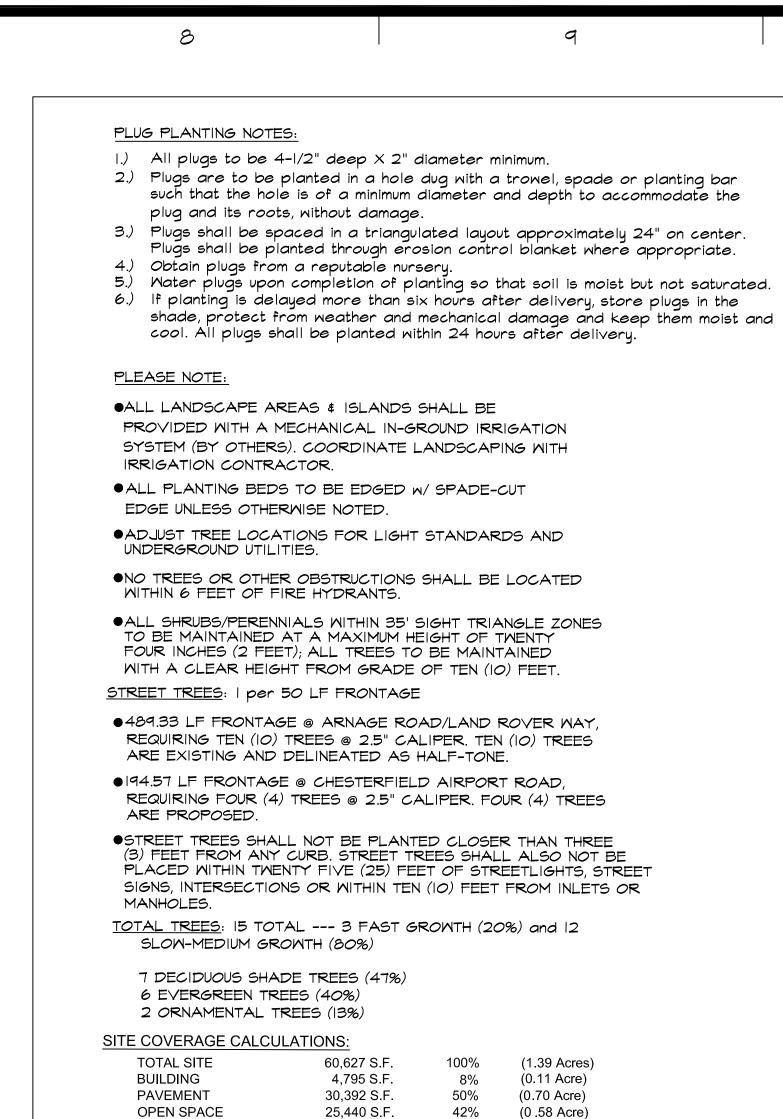
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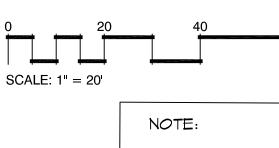




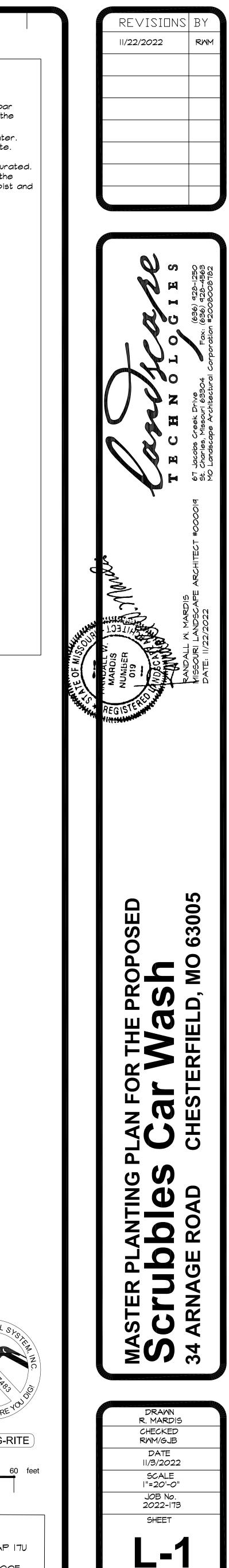




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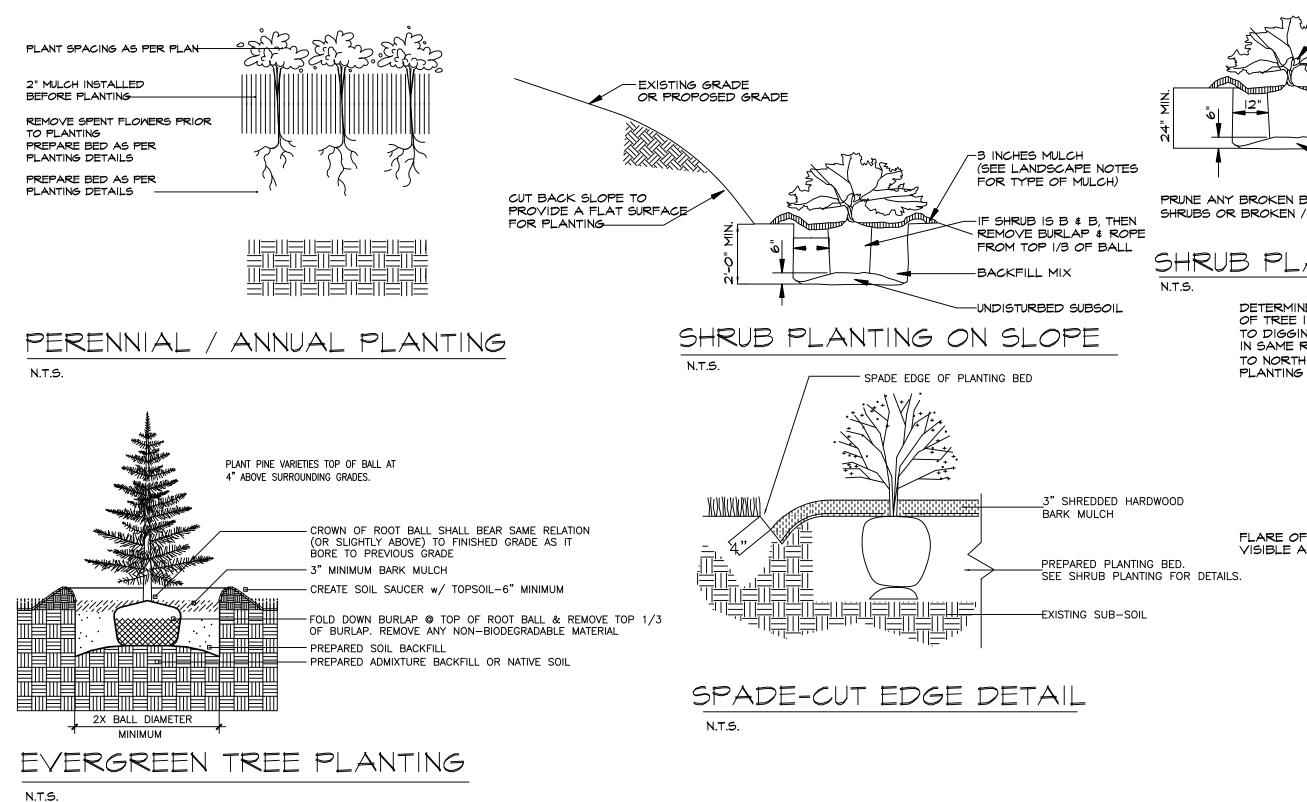
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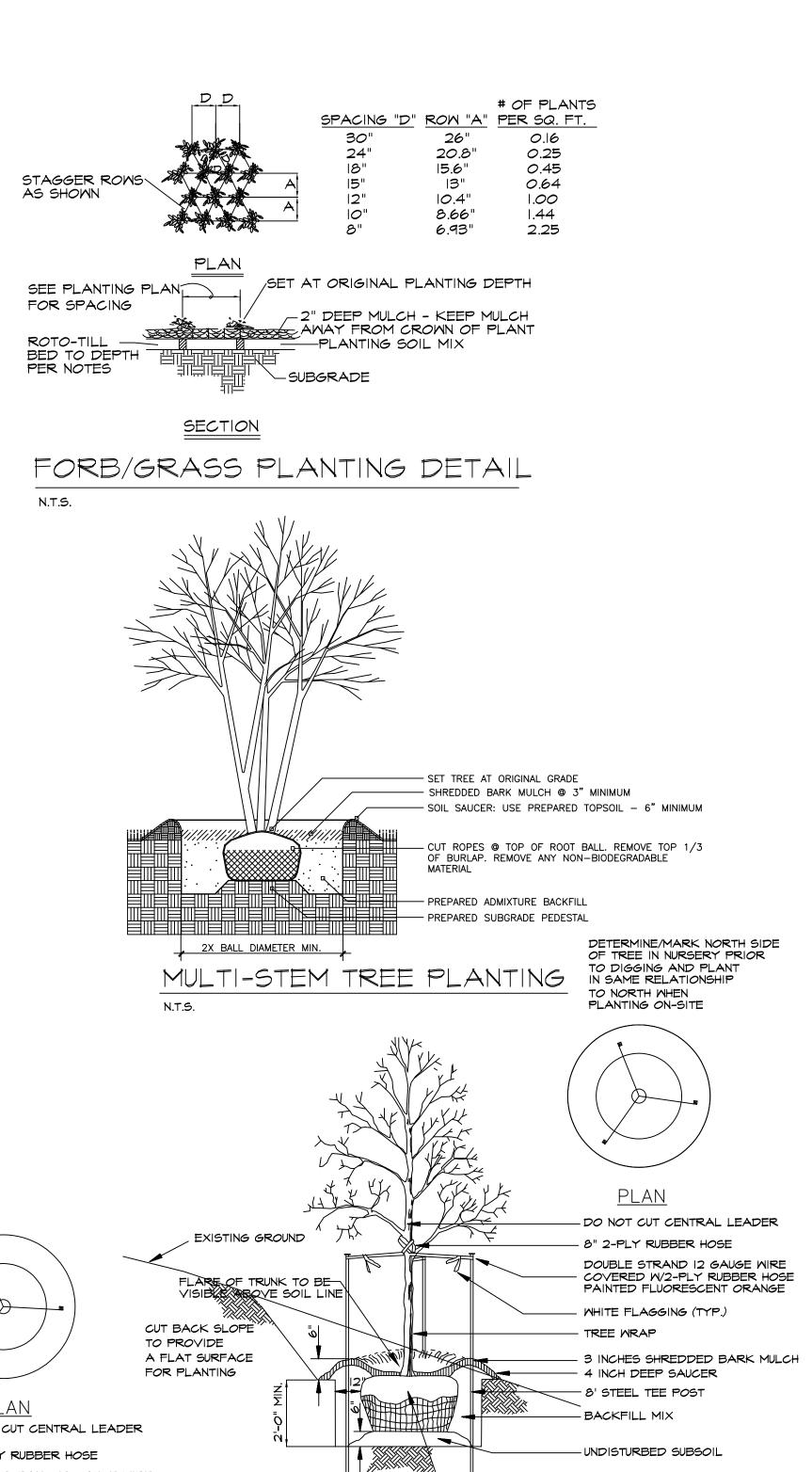
ANDSCAPE GUIDELINE SPECS:						
	DIANT GELLED					
l.) All natural vegetation shall be maintained where it does not interfere with construction or the permanent plan of operation.	PLANT_SCHED		COMMON / BOTANICAL NAME	CATEGORY SIZE	MATURE HEIGHT	GROWTH RATE
Every effort possible shall be made to protect existing structures or vegetation from damage due to equipment usage. Contractor shall	ARM	2	Armstrong Red Maple / Acer rubrum 'Armstrong'	D 2.5"Cal	25 - 65' ht.	Fast
at all times protect all materials and work against injury to public. ) The landscape contractor shall be responsible for any coordination and sequencing with other site related work being performed by other	НАСК		Common Hackberry / Celtis occidentalis	D 2.5"Cal.	40 - 65' ht.	Med. / Fast
contractors. Refer to additional drawings for further coordination of work to be done.	GL	2	Greenspire Littleleaf Linden / Tilia cordata 'Greenspire'	D 2.5"Cal.	40 - 65' ht.	Slow
) Underground facilities, structures and utilities must be considered approximate only. There may be others not presently known or shown. It shall be the landscape contractor's responsibility to	LSM		Legacy Sugar Maple / Acer saccharum 'Legacy'	D 2.5"Cal.	40 - 65' ht.	Slow
determine or verify the existence of and exact location of the above (Call utility location services in municipality).	SAN		Sawtooth Oak / Quercus acutissima	D 2.5"Cal.	40 - 65' ht.	Slow
.) Plant material are to be planted in the same relationship to grade as was grown in nursery conditions. All planting beds shall be cultivated to 6" depth minimum and graded smooth immediately before						
grade as was grown in nursery conditions. All planting beds shall be cultivated to 6" depth minimum and graded smooth immediately before planting of plants. Plant groundcover to within 12" of trunk of trees or shrubs planted within the area.	EVERGREEN TREES	QTY	COMMON / BOTANICAL NAME	CATEGORY SIZE	MATURE HEIGHT	GROWTH RATE
5.) It shall be the landscape contractor's responsibility to: A.) Verify all existing and proposed features shown on the	EMARB	6	Emerald Arborvitae / Thuja occidentalis 'Emerald'	E 6'-7'	15 - 20' ht.	Slow - Moder
drawings prior to commencement of work. B.) Report all discrepancies found with regard to existing conditions or proposed design to the landscape architect						
immediately for a decision. C.) Stake the locations of all proposed plant material and obtain	FLOWERING TREES	QTY	COMMON / BOTANICAL NAME	CATEGORY SIZE	MATURE HEIGHT	GROWTH RAT
the approval of the owner's representative or landscape architect ten (IO) days prior to installation. ) Items shown on this drawing take precedence over the material		2	Ivory Silk Japanese Tree Lilac / Syringa reticulata 'Ivory Silk'	0 2.5"Cal.	15 - 25' ht.	Slow - Fast
list. It shall be the landscape contractor's responsibility to verify all quantities and conditions prior to implementation of						
this plan. No substitutions of types or size of plant materials will be accepted without written approval from the landscape architect.	SHRUBS	QTY	COMMON / BOTANICAL NAME	SIZE		
7.) Provide single-stem trees unless otherwise noted in plant schedule. .) All plant material shall comply with the recommendations and requirements	BKS	9	Blue Kazoo Spirea / Spiraea japonica 'Double Play Blue Kazoo'	5 Gal.		
of ANSI Z60.1 "American Standards for Nursery Stock". 9.) It shall be the contractor's responsibility to provide for inspection of	DGBS		Dwarf Globe Blue Spruce / Picea pungens 'Globosa'	5 gal		
the plant material by the Landscape Architect (or Owners' Representative) prior to acceptance. Inspections may take place before, during or after installation. Plants not conforming exactly to the plant list will not be accepted	GMJ		Green Mound Juniper / Juniperus procumbens 'Green Mound'	5 Gal.		
installation. Plants not conforming exactly to the plant list will not be accepted and shall be replaced at the landscape contractor's expense.		15	Hicks Yew / Taxus media 'Hicksii'	<u> </u>		
).) All bids are to have unit prices listed. The Owner has the option to delete any portion of the contract prior to signing the contract or beginning work. This will be a unit price contract: auotes shall be valid for 12 months		6	Little Lime Hydrangea / Hydrangea paniculata 'Little Lime'	5 gal		
work. This will be a unit price contract; quotes shall be valid for 12 months. (1.) Should auger equipment be utilized in excavating any plant pits, vertical sides of plant pits shall be thoroughly scarified to avoid creation of "polished	МОН	5	Munchkin Oakleaf Hydrangea / Hydrangea quercifolia 'Munchkin'	5 Gal.		
sides of plant pits shall be thoroughly scarified to avoid creation of "polished side walls" prior to plant material installation.	TWNB	10	Tiny Wine Ninebark / Physocarpus opulifolius 'Tiny Wine'	5 Gal.	D	D
2.) All excess topsoil, rocks, debris and/or tainted soils shall be removed by the general contractor prior to point project is turned over to the	TLLB	35	Titan Littleleaf Boxwood / Buxus sinica 'Titan'	5 Gal.		SPACING "D" 30"
landscape contractor to commence landscape installation. 3.) Keep all plant material (except turf) a minimum of 36" clear of fire hydrants.	CLE	26	'Hummingbird' Summersweet / Clethra alnifolia 'Hummingbird'	5 gal		24" 24" 18"
<ul> <li>Landscape contractor shall kill \$ remove all existing weeds within the project site.</li> <li>All tags, nursery stakes, labels, etc. shall be removed by the landscape</li> </ul>		- ·			STAGGER ROWS AS SHOWN	A 15" A 12"
contractor at completion of all landscape installation. ) Landscape contractor shall be in compliance with all federal, state and local	ANNUALS/PERENNIALS	QTY	COMMON / BOTANICAL NAME	SIZE		
laws / regulations relating to insect infestation and/or plant diseases. .) All substitutions of plant material shall be submitted to landscape architect for	HRD	72	Happy Returns Daylily / Hemerocallis hybrid 'Happy Returns'	gal I gal	PL	AN
approval. RUNING:		16	Kim's Knee High Purple Coneflower / Echinacea purpurea 'Kim's Kr	nee High' TM    gal	SEE PLANTING PLAN	SET AT ORIGINAL PL
.) Lightly prune trees at time of planting. Prune only the crossover limbs, intermingled leaders and/or any broken branches. Some interior twigs						AWAY FROM CR
and lateral branches may be pruned. However, do not remove the terminal buds of branches that extend to the edge of the crown.	FORBS		COMMON / BOTANICAL NAME			SUBGRADE
) All pruning shall comply with ANSI A300 standards. ISURANCE:	OBS Rosem	41	Ozark Blue Star / Amsonia illustris Rose Mallow / Hibiscus laevis	2 Qt @ 30" OC   Gal @ 30" OC		
.) The landscape contractor shall submit certificates of insurance for	SMW	4	Swamp Milkweed / Asclepias incarnata	2 Qt. @ 24" OC		TION
workman's compensation and general liability. IULCH:					- FORB/GRAS	SS PLANTING
l.) All mulch to be shredded oak bark mulch at 3" depth (after compaction) unless otherwise noted. Mulch shall be clean and free	GRASSES	QTY	COMMON / BOTANICAL NAME	SIZE	N.T.S.	
of all foreign materials, including weeds, mold, deleterious materials, etc. ) No plastic sheeting or filter fabric shall be placed beneath shredded	CALA	16	Foerster's Reed Grass / Calamagrostis acutifolia 'Karl Foerster'			N. N. N. M. M.
bark mulch beds. Mirafi fabric shall be used beneath all gravel mulch beds. Lap fabric 6" over adjacent coverages.						
3.) Edge all beds with späde-cut edge unless otherwise noted.	NATIVE GRASSES	QTY	COMMON / BOTANICAL NAME	SIZE		
AINTENANCE: .) Landscape Contractor shall provide a separate proposal to maintain	$ \begin{array}{ } + + + + + + + + + + + + + + + + + + +$	+ + - + . - + .				
all plants, shrubs, groundcover, perennials and annuals for a period of 12 months after acceptance.	<pre>+ '+'+'+'+'+'+'+'+'+'+'+'+'+'+'+'+'+'+'</pre>	_+_+    <b>_7</b> _+_+	Brown Fox Sedge / Carex vulpinoidea	Plug at 18" OC		
2.) Contractor shall ensure that only competent and trained personnel shall provide such services and that such services be provided in a timely		+',+				
manner. 3.) Watering of seeded or sodded lawns shall begin immediately and shall	LINN NINN NINN NINN NINN NINN NINN NINN	144	Great Green Bulrush / Scirpus atrovirens	Plug at 18" OC		\\ //   //
continue to be provided continuously for the following 72 hours. Regardless, the landscape contractor shall be resposible for all landscape maintenance						\V/   //
until project turnover.		124	Morning Star Sedge / Carex grayi	Plug at 18" OC	Affin	
.) No landscape material or other obstructions shall be placed or be						
maintained within the sight distance area so as not to impede the vision between a height of thirty inches (30") and ten feet (10') above the adjacent street or paving surfaces.	D = D a c i d u a u c a	anamaa	$a = E_{vararaan}$			
2.) Sight triangles at the intersection of a public street and a private access	D-Deciduous O-Or	riurrient	-u = r + r + r + r + r + r + r + r + r + r			
way (except for single family residences) shall also be formed by measuring from the point of intersection of the street frontage curbs and the entrance curb lines a distance of 35' and connecting the points so established to						
form the sight triangle area.						TI-STEM TREE
)PSOIL: ) Topsoil mix for all proposed landscape plantings shall be five (5)		°		-SET SHRUB ROOT BALL I" HIGHER THAN ADJACENT FINISH GRADE -3 INCHES MULCH	N.T.S.	
parts well-drained screened organic topsoil to one (1) part Canadian sphagnum peat moss as per planting details. Roto-till topsoil mix to a depth of 6" minimum and grade smooth.	PLANT SPACING AS PER	R PLAN		5-5 Jan Sand		
.) Provide a soil analysis, as requested, made by an independent	2" MULCH INSTALLED BEFORE PLANTING			IF SHRUB IS B & B, THEN		
soil-testing agency outlining the % of organic matter, inorganic matter, deleterious material, pH and mineral content. .) Any foreign topsoil used shall be free of roots, stumps, weeds,	REMOVE SPENT FLOWER TO PLANTING PREPARE BED AS PER	rs prior		BACKFILL MIX		The second secon
) Any foreign topsoil used shall be free of roots, stumps, weeds, brush, stones (larger than 1"), litter or any other extraneous or toxic material. Landscape contractor shall be fully responsible	PLANTING DETAILS PREPARE BED AS PER	77	-3 INCHES MULCH (SEE LANDSCAPE NOTES FOR TYPE OF MULCH)			
for correcting all negative soil issues prior to plant installation. Killing and removal of all weeds shall be the responsibility of the	PLANTING DETAILS -	, (	CUT BACK SLOPE TO	E ANY BROKEN BRANCHES AFTER PLANTING. DAMAGED 35 OR BROKEN / CRUMBLING ROOT BALLS WILL BE REJECTED.		A T KK
landscape contractor as part of this task. .) Landscape contractor to apply pre-emergent herbicide to all						Le Le
planting beds upon completion of planting operations and before application of shredded bark mulch.			BACKFILL MIX	RUB PLANTING	EXI	STING GROUND
.) Install siltation controls prior to commencement of any grading operations. Inspect and maintain all siltation fences on a weekly				DETERMINE/MARK NORTH SIDE	FLAR VISIB	OF TRUNK TO BE
basis until vegetation is established. RRANTY:		AL / AN	NUAL PLANTING ON SLOPE	TO DIGGING AND PLANT		
ARANTT. All plant material (excluding ground cover, perennials and annuals) are to be warranted for a period of 12 months after complete installation	N.T.S.		SPADE EDGE OF PLANTING BED	PLANTING ON-SITE	TO PROVID A FLAT SUF FOR PLANT	RFACE
of all landscape material at 100% of the installed price.				I THE THE THE		
) Any plant material found to be defective shall be removed and replaced within 30 days of notification or in growth season determined to be best for that plant		PLANT PINE	VARIETIES TOP OF BALL AT SURROUNDING GRADES.	HAN A AND A	<u>PLAN</u> do not cut central leader	
that plant. ) Only one replacement per tree or shrub shall be required at the end of the warranty period unless loss is due to failure to		4 ABOVE				
of the warranty period, unless loss is due to failure to comply with the warranty. ) Lawn establishment period will be in effect once the			CROWN OF ROOT BALL SHALL BEAR SAME RELATION	FLARE OF TRUNK TO BE	DOUBLE STRAND 12 GAUGE WIRE 	
, Lawn establishment period will be in effect once the lawn has been mowed three times. Plant establishment period shall commence on the date of acceptance and				VISIBLE ABOVE SOIL LINE DETAILS.		V
100% completion. ) A written quarantee shall be provided to the owner			CREATE SOIL SAUCER w/ TOPSOIL-6" MINIMUM 		TREE WRAP 3 INCHES SHREDDED BARK MULCH	NOTE: USE SHREE
per conditions outlined in #1 above.			OF BURLAP. REMOVE ANY NON-BIODEGRADABLE MATERIAL			TREE PLAI
			PREPARED ADMIXTURE BACKFILL OR NATIVE SOIL			
					BACKFILL MIX	
			SPADE-CUT EDGE DETAIL		BACKFILL MIX UNDISTURBED SUBSOIL	

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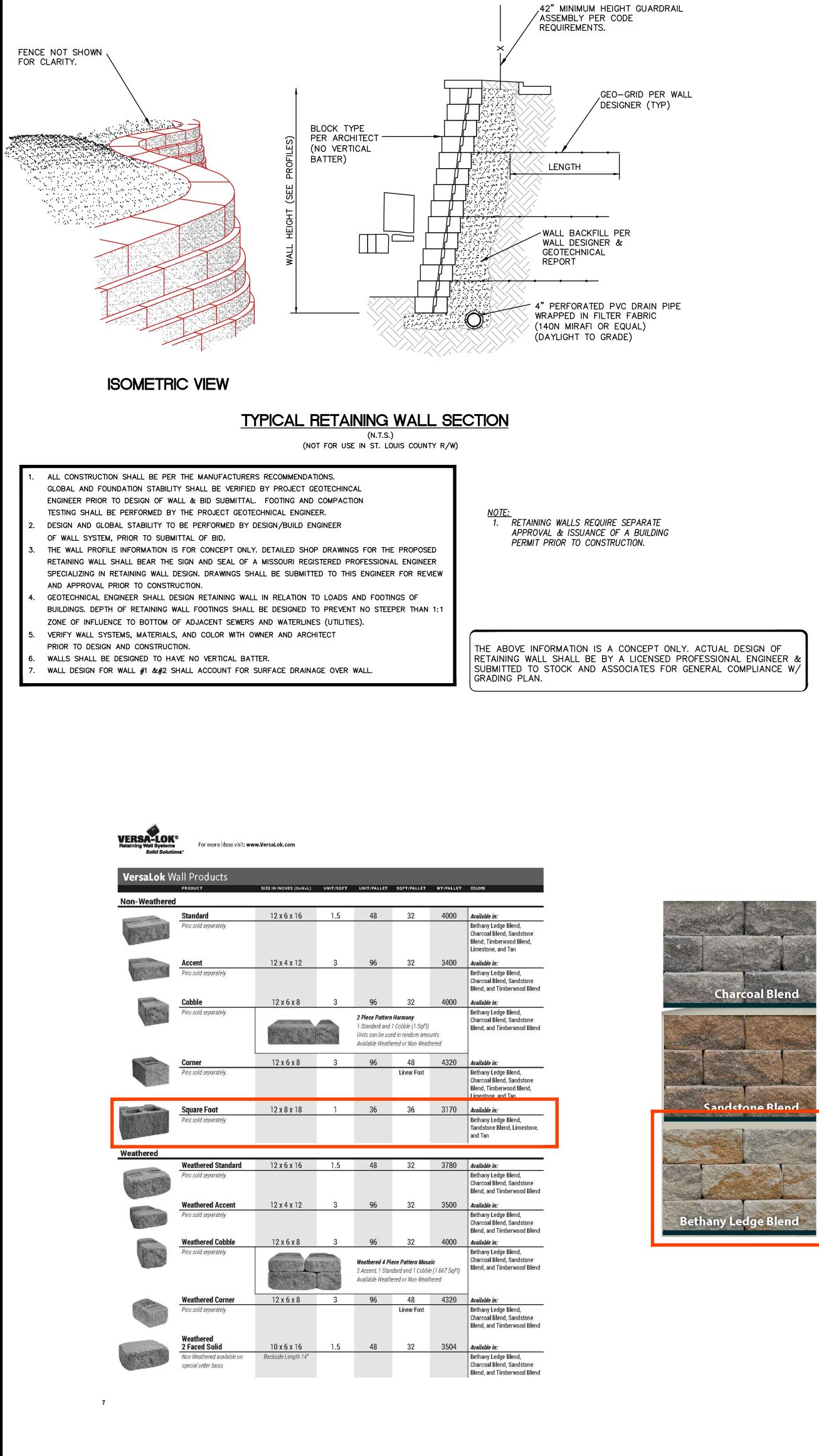
REMOVE BURLAP & ROPE FROM TOP 1/3 OF THE BALL



NOTE: MSD BASE MAP 17U
P# N.A.
ZIP CODE: 63005



	RE ∨ISIONS       BY         II/22/2022       RMM         III/22/2022       III/2000         III/2000       III/2000 <t< th=""></t<>
	Old 67 Jacobs Creek Drive 6360 428-1250 St. Charles, Missouri 63304 MO Landscape Architectural Corporation #20080087182
AND TO THE OF MISSING	ANDALL M. MARDIS RANDALL M. MARDIS MISSOURI LANDSCAPE ARCHITECT #000019 DATE: II/22/2022
	OR THE PROPOSED <b>Vash</b> FERFIELD, MO 63005
	MASTER PLANTING PLAN FOR THE Scrubbles Car Wa 34 ARNAGE ROAD CHESTERFIEL
	DRAWN R. MARDIS CHECKED RWM/GJB DATE II/3/2022 SCALE N.A. JOB No. 2022-173 SHEET



# $b_{0}$ ublory etcomente $b_{0}$ $b_{$ 0.0- ---- UE----- UE-----35' 32"W 443.48'— 32"E 154.75' SET IRON -----PIPE (TYP) - 5.0' WALK-VW BMP.0 ≻DB 24412-PG 426<u>5</u> 0.1<del>~</del>0. 0.1 - FENCE POST OR HANDRAIL POST 0.1 COMPACT SOIL AROUND SLEEVE AS WALL IS BEING CONSTRUCTED PR. ADJ LOT Č 48,171 Sq. Ft. 1.106 Acres±**6**.1 - CUT GEOGRIDS AROUND SLEEVE AS REQUIRED 0.1 GROUT POST INTO SLEEVE 0.1 -PLACE SONOTUBE IN FILL AS BACKFILL IS BEING COMPACTED. -THE FENCE DESIGN AND SUITABILITY IS THE RESPONSIBILITY OF OTHERS & SHALL BE PART OF WALL SHOP DRAWINGS. \*<sup>459.9</sup> **•**0.1 \_\_\_\_\_ LNCE DETAIL DETAIL COURTESY OF "ASPEN CONSULTANTS, 12/05/2003, 636-349-2225". CONTRACTOR SHALL VERIFY IF FENCE WILL BE REQUIRED WITH CITY OF CHESTERFIELD 0.1 0.0 **•**0.0 0.0 0.0 0.0 **+**0.0 15' W WATER EASEMENT DB 8716, PG 1279 070 \_\_\_\_\_ 30' SETBACK (BUILDING AND PARKING) $-\frac{1}{0.1} + \frac{1}{0.5} + \frac{1}{0.1} + \frac{1}{0.5} + \frac{1}{0.2} + \frac{1}{0.2} + \frac{1}{0.2} + \frac{1}{0.2} + \frac{1}{0.2} + \frac{1}{0.2} + \frac{1}{0.3} + \frac{1}{0.5} + \frac{1}{0.5} + \frac{1}{0.5} + \frac{1}{0.5} + \frac{1}{0.4} + \frac{1}{0.2} + \frac{1}{0.2} + \frac{1}{0.2} + \frac{1}{0.1} + \frac{1}{0.5} + \frac{1$ Ъď

POLE FIXTURES MOUNTED AT 20' INCLUDING BASE LIGHT LEVEL CALCULATED ON THE GROUND Calculation Summary Label SITE SPILL LIGHT Luminaire Schedule Symbol DESIGN IS BASED ON CURRENT INFORMATION PROVIDED AT THE TIME OF REQUEST. ANY CHANGES IN MOUNTING HEIGHT OR LOCATION, LAMP WATTAGE, LAMP TYPE, AND EXISTING FIELD CONDITIONS, THAT EFFECT ANY OF THE PREVIOUSLY MENTIONED, WILL VOID CURRENT LAYOUT AND REQUIRE A CHANGE REQUEST AND RECALCULATION.

CHESTERFIELD AIRPORT ROAD (100'w)

	υ
F3	Single
WP	Single

	0
F2	Single
F3	Single

Label	Arrangement	LLF	Ι
F1	Single	1.000	2
F2	Single	1.000	2

JN IF	IE GROUND										
	CalcType		Units			Avg	Max	Min	Avg/Min	Max/Min	
	Illuminance		Fc			2.93	7.5	0.5	5.9	15.0	
	Illuminance		Fc			0.07	1.1	0.0	N.A.	N.A.	
						•	•	•	•		
	Label	Arrangement		LLF	Lum. W	latts	Total Watts		Description		
	F1	Single		1.000	213		426		GALN-SA4C-740-U	J-T4FT-HSS	
	F2	Single		1.000	213		426		GALN-SA4C-740-U	J-5WQ	
	F3	Single		1.000	108		108		GALN-SA2C-740-U	J-SLR-HSS	

59

1.000 59

T=458.49 FL=453.29

R. SCRUBBLES CARWASH

MAX. HEIGHT=28.5' F.F.=461.67

CARWASH TUNNEL ELEV.

=461.33

20' UTILITY ASEMENT

0.0 0.0

PR. MONUMENT SIGN

\_\_\_\_\_

APPROX. LOCATION -/

OF STLC TRAFFIC

SIGNAL SYSTEM

PER MARKINGS <sup>\_</sup>

0.1 0.1 G 0.

589'31'24"W)

**†**0.7

S89' 35' 32"W 443.48'

<sup>1</sup>WALL 2<sup>y</sup>

1.5 1.2

VACUUM AT

CQNC. PVMĮ (TYP)

S89\* 35' 35"W 520.40' (S89\*31'27"W)

ASPHALT PAVEMENT

ARNAGE (56'w) ROAD

PR. HANDRAIL-

/\_DB 24412 PG 4292

NTILITY+EASEMEN

TRASH ENCLOSUF

<u>†</u>,

10

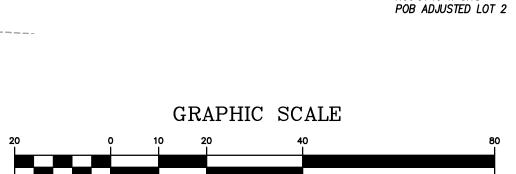
CONC. PVMT (1

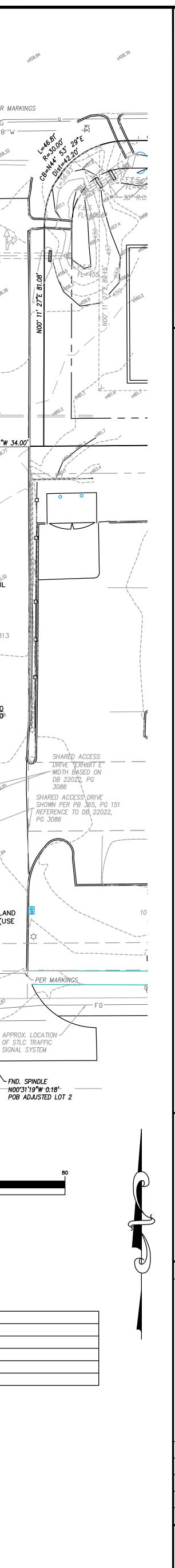
		C	GRAPH	IC SCALE	:	
20	0	10	20	40		
( IN FEET $)1 inch = 20 ft.$						

GWC-SA1C-740-U-T4FT

0.0

\_\_\_\_\_





- PER MARKINGS

<u>S89° 35' 35"W 3</u>4

5.0' WALK ....

o' Utilit

PB. 368, PG. 313

EX. JAGUAR LAND

APPROX. LOCATION -

OF STLC TRAFFIC

SIGNAL SYSTEM

∽ FND. SPINDLE

ROVER SIGN (USE

IN PLACE)

-EASEMENT

WALL

W. HANDRAIL

0.0 0.0

0.0

0.0

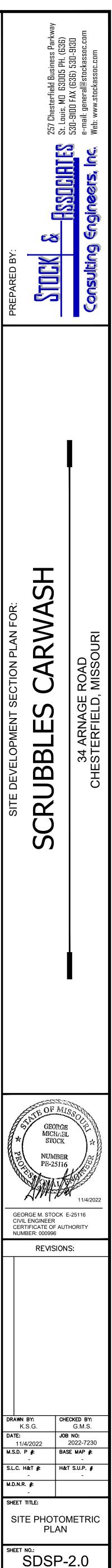
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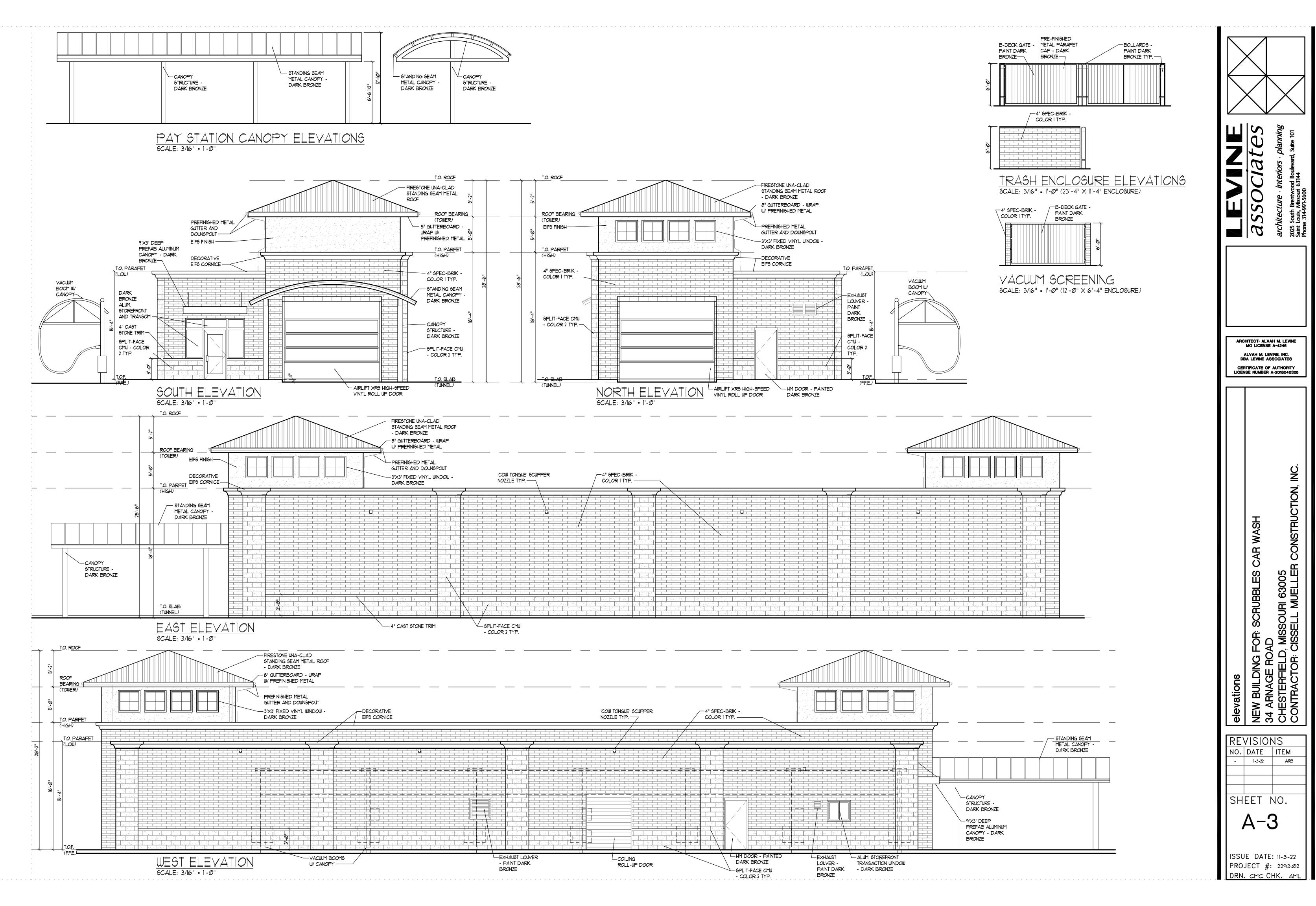
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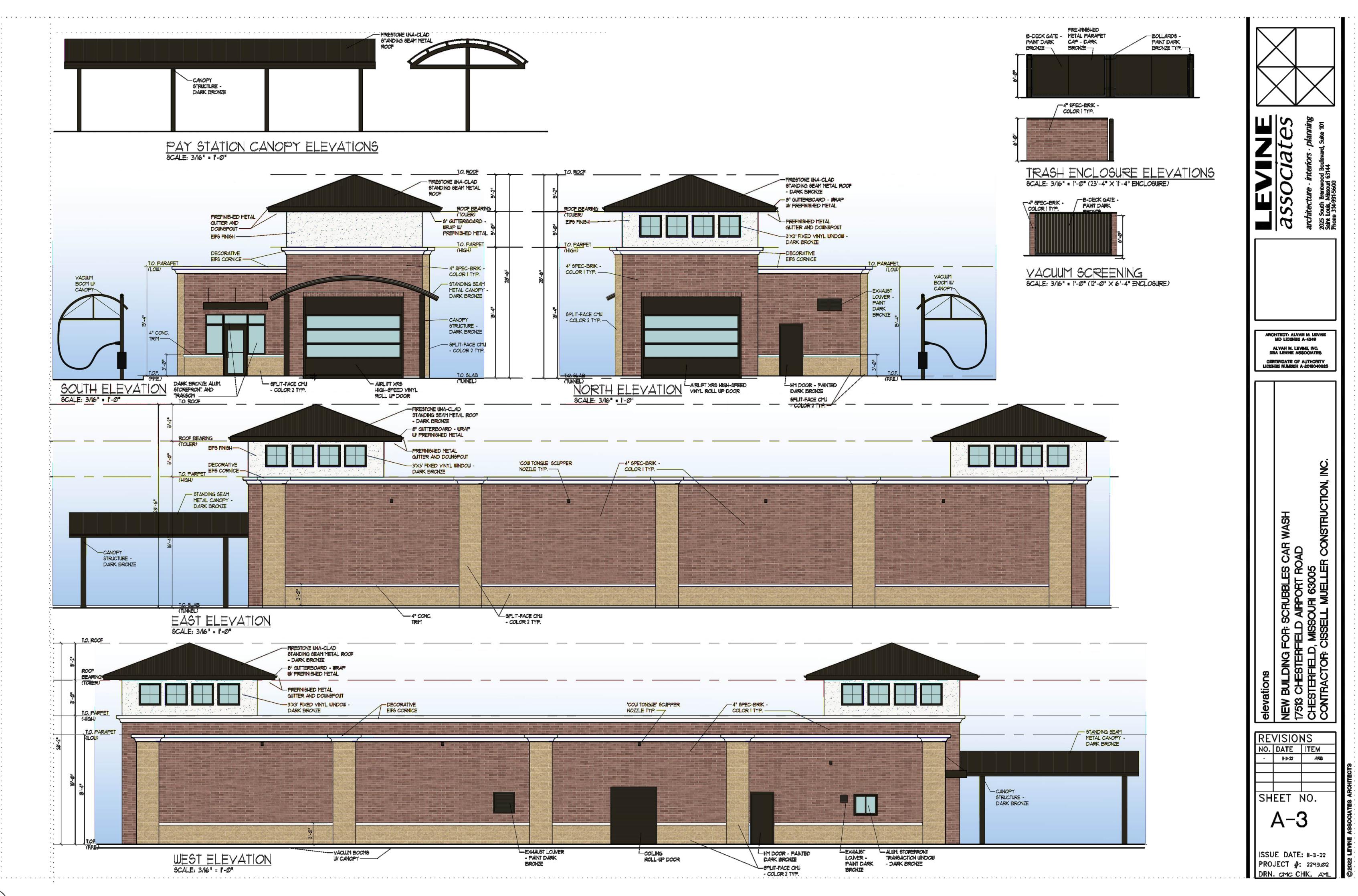
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0.0

HEADWALL



















## **Dark Bronze Roofs and accents**



## White Eifs Towers and Cornices



## **Best Brick Savannah Blend Field Brick**



Midwest Block Soft Gold Split-face CMU Piers and Wainscott



Versa-lok Square Foot Bethany Ledge Blend

# **Versa-Lok Square foot retaining wall**

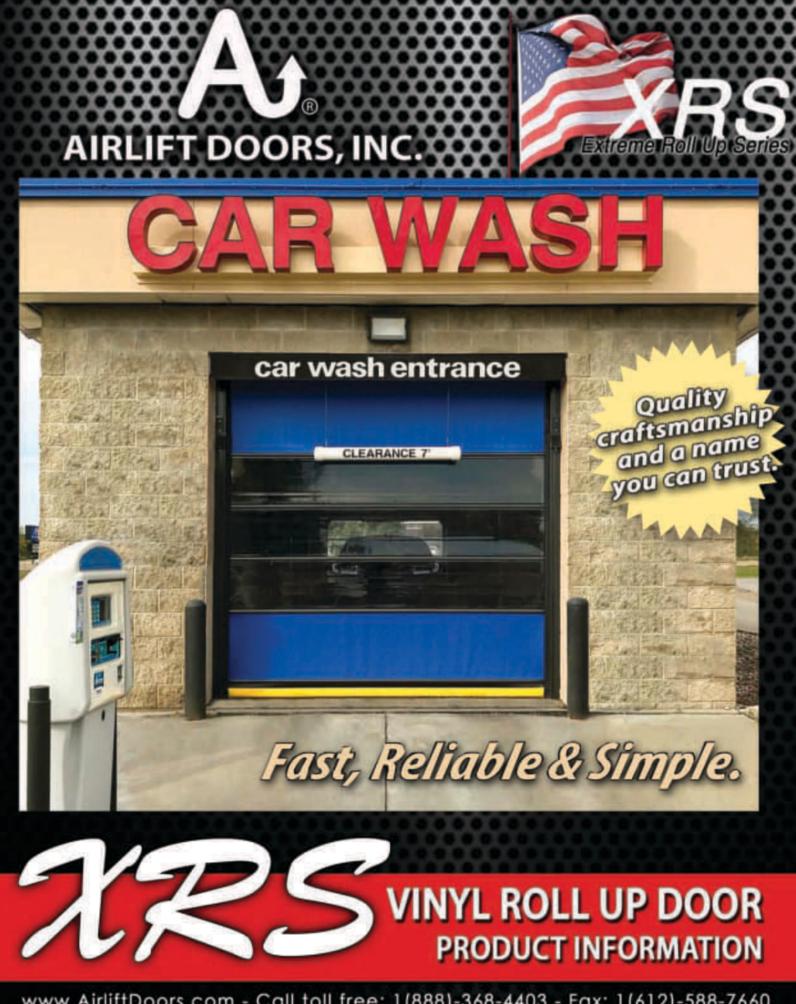


## Square Foot Unit

Depth (in):	12
Depth (mm):	304.8
Height (in):	8
Height (mm):	203.2
Face width (wide) (in):	18
Face width (wide) (mm):	457.2
Face width (narrow) (in):	14
Face width (narrow) (mm):	355.6
Face area (sq. ft.):	1
Face area (sq. m.):	0.093
Minimum radius(ft.):	4.5
Maximum unreinforced height(ft.) :	3.5*
Maximum geogrid reinforced height:	50+
Setback:	"1"" or 1/4"" per unit"
Batter/Cant:	7.1 or 1.8
Weight (lbs):	87
Weight (kg):	39.46
Weight (lbs) with aggregate fill:	115
Weight (kg) with aggregate fill:	58.965
Versa-Tuff Pins per unit:	2

\*This is the maximum stable unreinforced height for 12-inch deep VERSA-LOK units in optimum conditions. Poor soils, additional loading, or slopes on top of a wall or bottom of a wall will reduce the maximum stable unreinforced height.





www.AirliftDoors.com - Call toll free: 1(888)-368-4403 - Fax: 1(612)-588-7660

## Extreme Roll Up Series

All XRS Extreme Roll Up Door Packages include these standard features:

Door sizes available up to 14' x 14' Doors over 14' x 10' require Counterbalance System. For custom door sizes consult factory.

Intermediate full vision panels standard, option for bottom

Complete weather seal with:

- Heavy duty top rubber seal
- Dual side vinyl seals

Individually replaceable sections

Inside or Outside Mount

All stainless steel hardware

Breakaway design with automatic reset

Fiber reinforced pultruded plastic track

# XRS Vinyl Door Packages

## **Elite Plus Model**

- Includes all standard features
- 24" per sec. maximum speed
- No counterbalance system
- Requires 110v power source

## Operator Options:

**Electric Operator Only** 

## Premium Plus Model

- Includes all standard features
- 34" per sec. maximum speed
- Patented Strapeze
   Counterbalance System
- Requires 110v power source

## **Operator Options:**

Electric Operator Chain Hoist

# **XRS Opener Options**





## XRS Electric Motor - (Available for Elite & Premium models.)

- 3 phase, 240V motor, powered by 110V controller
- Corrosion resistant components
- Built in limit switches
- No cooling fan needed
- Rated for 80+ cycles per hour
- Individually replaceable components



## XRS Controller features -

- VFD (Variable Frequency Drive) for adjustable speeds
- 110V controller converts power to 3 phase, 240V output for motor
- Built in 24VDC control circuitry
- Nema 4X rated waterproof enclosure
- Internal circuit breakers
- UL listed
- Optional safety eyes & auto closing timer

## XRS Manual Lift Option - (Available for Premium model only.)

- Economical option for XRS door
- Simple chain hoist operation
- No electrical required
- Interior mount

- Fits on all size XRS doors
- Requires Strapeze Counterbalance System
- Simple installation
- 1 year warranty

# WARRANTY

XRS Panels	Year
Windbars	Year
Track	Year
Door Components3	Year
Electric Motor 1	Year
Control Components1	Year
Photo Eyes1	Year





# FAST, RELIABLE, SIMPLE

### The XRS Door Features:

- Intermediate full vision panels standard, option for bottom
- Complete weather seal included
- Speeds adjustable up to 34" per sec.
- Corrosion resistant components
- Low maintenance design
- Individually replaceable components
- Rated for up to 80 cycles per hour

# Safety Features on the XRS Door

This door has the ability to breakaway from the door track and automatically reset itself upon impact.

The XRS Premium Model has an emergency pull rope that allows the door to open and close in case of a power failure.

# So Many Color Options!

The XRS Door comes in many different colors allowing you to customize the look of your bay or car wash.

Actual color may vary slightly from the color shown. Consult factory for colored vinyl swatch. Additional colors options are available. Non-stock colors may be subject to longer lead time.



### Solarban® R100 Glass

### Supporting Sustainable Design

Vitro Architectural Glass provides abundant opportunities for architects and building owners to realize their sustainability objectives.

**Energy Use & Operating Cost Reduction:** High-performance glasses by Vitro are engineered to facilitate downsized mechanical equipment costs, leading to reduced long-term energy costs. Visit **tools.vitroglazings.com** for glass comparison and configuration tools for analyzing glass products.

**Sustainability Documentation:** Vitro Architectural Glass is the first U.S. float glass manufacturer to have its entire selection of products recognized by the *Cradle to Cradle Certified*<sup>™</sup> program, and the first in North America to publish third-party verified Environmental Product Declarations (EPDs) for its Flat Glass and Processed Glass products.

For additional credit opportunities and supporting documentation, visit **vitroglazings.com/LEED** 

LEED <sup>®</sup> Credit Opportunities					
Possible Points	LEED Credit	Solarban® R100 Feature	Path/Option Satisfied		
18	Energy & Atmosphere (EA) Optimize Energy Performance	Excellent SHGC, U-value and Tvis performance	Whole Building Energy Simulation (Option 1) or Prescriptive Compliance: ASHRAE Advanced Energy Design Guide (Option 2)		
5	Innovation (IN) Innovation in Design	Exceeds minimum performance mandated by local energy codes	Innovation (Option 1), Pilot (Option 2) and Exemplary Performance (Option 3)		
3	Indoor Environmental Quality (EQ) Daylight	Exhibits high light transmission	Simulation: Spatial Daylight Autonomy and Annual Sunlight Exposure (Option 1), Simulation: Illuminance Calculations (Option 2) or Measurement (Option 3)		

Insulating Glass Unit Performance Comparisons   1-inch (25mm) units with 1/2-inch (13mm) airspace and two 1/4-inch (6mm) lites							
	Visible Light	Visible Ligh	Visible Light Reflectance		(BTU/hr°ft²°°F) NFRC U-Value		Light to Solar
Glass Type	Transmittance (VLT) %	Exterior %	Interior %	Winter Nighttime	Winter Argon	Gain Coefficient (SHGC)	Gain (LSG)
Solarban® R100 Solar Control Low-E Glass							
Solarban® R100 (2) Clear + Clear	42	32	14	0.29	0.25	0.23	1.83
Solarban <sup>®</sup> R100 (2) Acuity <sup>TM</sup> + Acuity <sup>TM</sup>	43	33	13	0.29	0.25	0.23	1.87
Solarban® R100 (2) Starphire® + Starphire®	44	33	14	0.29	0.25	0.23	1.91
Solarban® R100 (2) Solexia® + Clear	36	25	13	0.29	0.25	0.21	1.71
Solarban® R100 (2) Atlantica® + Clear	31	20	13	0.29	0.25	0.19	1.68
Solarban <sup>®</sup> R100 (2) Azuria <sup>®</sup> + Clear	32	21	13	0.29	0.25	0.19	1.68
Solarban® R100 (2) Optiblue® + Clear	30	19	13	0.29	0.25	0.20	1.50
Solarban® R100 (2) Solarblue® + Clear	26	15	13	0.29	0.25	0.19	1.37
Solarban® R100 (2) Pacifica® + Clear	20	11	13	0.29	0.25	0.16	1.25
Solarban® R100 (2) Solarbronze® + Clear	25	15	13	0.29	0.25	0.18	1.39
Solarban® R100 (2) Optigray® + Clear	29	18	13	0.29	0.25	0.20	1.45
Solarban® R100 (2) Solargray® + Clear	21	12	13	0.29	0.25	0.17	1.24

All performance data calculated using LBNL Window 7.3 software and represents center of glass performance data. For detailed information on the methodologies used to calculate the aesthetic and performance values in this table, please visit vitroglazings.com or request our Architectural Glass Catalog.

### For more information about *Solarban*<sup>®</sup> low-e glass and other *Cradle to Cradle Certified*<sup>™</sup> architectural glasses by Vitro Glass, visit **vitroglazings.com**, or call **1-855-VTRO-GLS (887-6457).**

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Project	Catalog #	Туре	
Prepared by	Notes	Date	



GALN Galleon II

Area / Site Luminaire

## **Product Features**



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## **Product Certifications**

## 🖌 Interactive Menu

- Ordering Information page 2
- Mounting Details page 3
- Optical Distributions page 5
- Product Specifications page 5
- Energy and Performance Data page 6
- Control Options page 10

## **Quick Facts**

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

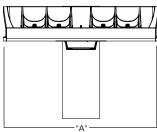
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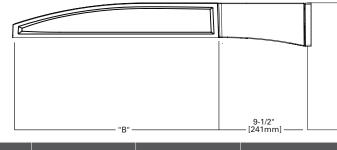
## Connected Systems

- WaveLinx Lite
- WaveLinx

## **Dimensional Details**

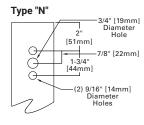
### Standard Arm





### Pole Drilling Patterns

YEAF



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:

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



# **GALN Galleon II**

## **Ordering Information**

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

Product Family <sup>1, 2</sup>	Light	Engine	Color	Voltage	Distribution		Mounting	Finish
GALN=Galleon II BAA-GALN=Galleon II Buy American Act Compliant <sup>27</sup> TAA-GALN=Galleon II Trade Agreements Act Compliant <sup>27</sup>	Configuration SA1=1 Squares SA2=2 Squares SA3=3 Squares SA4=4 Squares SA5=5 Squares SA6=6 Squares SA7=7 Squares SA8=8 Squares SA9=9 Squares	Drive Current A=600mA B=800mA C=1000mA D=1200mA <sup>4,17</sup>	Temperature 722=70CRI, 2200K 730=70CRI, 2700K 735=70CRI, 3000K 735=70CRI, 4000K 750=70CRI, 4000K 750=70CRI, 5000K 760=70CRI, 6000K 827=80CRI, 2700K 830=80CRI, 3000K AMB=Amber, 590nm <sup>15, 17</sup>	Voltage U=120-277V 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>29,39,31</sup>	Distribution T2=Type II T2R=Type II Roadway T3=Type III Roadway T4FT=Type IV Forward Thrc T4W=Type IV Wide SMQ=Type V Square Wide SMQ=Type V Square Mediu SWQ=Type V Square Mediu SWQ=Type V Square Mediu SWQ=Type II w/Spill Control SL3=Type III w/Spill Control SL4=070 Spill Light Eliminal SLR=90° Spill Light Eliminal RW=Rectangular Wide Type AFL=Attomotive Frontline	m I I tor Left tor Right	[Blank]=Standard Pole Mount Arm         QM=Standard Pole Mount Arm         WM=Walk Mount, Adaptor         PA=Pole Mount, Adjustable         SP=Slipfitter, Adjustable <sup>®</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
Optic	ons (Add as Suffix)		Controls	s and Systems Options (Add a			Accessories (Order Separate	ely) 28
DIM=External 0-10V Dimn F=Single Fuse (120, 277 c FF=Double Fuse (208, 240 20K=20kV UL 1449 fused 2L=Two Circuits <sup>10</sup> HA=50°C High Ambient HSS=installed House Sidt GRSBK=Glare Reducing S LCF=Light Square Trim P <sub>2</sub> TH=Tool-less Door Hardw CC=Coastal Construction L90=Optics Rotated 90° I AHD145=After Hours Dim AHD245=After Hours Dim AHD245=After Hours Dim AHD355=After Hours Dim DALI=DALI Drivers	rr 347V Specify Volta or 480V Specify Vo surge protective dev e Shield, Black <sup>23</sup> shield, White <sup>23</sup> shield, White <sup>23</sup> shield, White <sup>23</sup> shield, White <sup>23</sup> shield, White <sup>23</sup> shield, Shack <sup>24</sup> (a March <sup>24</sup> shield, White <sup>23</sup> shield, Shield, <sup>24</sup> shield, Shield, <sup>24</sup> shield, Shield, <sup>24</sup> shield, Shield, <sup>24</sup> shield, Shield, <sup>24</sup> shield, <sup>25</sup> shield, <sup>26</sup> shield, <sup>27</sup> shield,	tage) rice <sup>10</sup>	BPC=Button Type Photoco PR=NEMA 3-PIN Photoco PR7=NEMA 7-PIN Photoco FADC=Field Adjustable Din SPB2=Dimming Motion Se SPB4/X=Dimming Motion S SPB4/X=Dimming Motion 1 ZW=WaveLinx Module and ZD=WaveLinx Module and DIM10-MS/DIM-L40=Syna	21'-40' mounting <sup>24</sup> acle <sup>19</sup> t <sub>2</sub> , 13 t <sub>2</sub> , 13 t <sub>2</sub> , 13 Mounting) <sup>19</sup>	0A/RA10 0A/RA12 0A/RA10 0A/RA10 MA1252: MA1036 MA1037- MA1188: MA1190- MA1190- MA1190- MA1190- MA1193: MA1193: MA1194- MA1195- SRA238= LS/GRSB LS/GRSB LS/GRSB LS/GRSB	116=NEMA Photocontrol Multi-Tap - 10 127=NEMA Photocontrol - 480V 101=NEMA Photocontrol - 480V 101=NEMA Photocontrol - 347V 113=Photocontrol Shorting Cap 114=120V Photocontrol = 10kV Surge Module Replacement • XX=Single Tenon Adapter for 2-3/8" O • XX=2@100" Tenon Adapter for 2-3/8" O • XX=2@00" Tenon Adapter for 2-3/8" O • XX=2@00" Tenon Adapter for 2-3/8" C • XX=2@00" Tenon Adapter for 3-3/8" C • XX=2@10" Tenon Adapter for 3-3/8" C • XX=2@10" Tenon Adapter for 3-1/2" O • XX=2@10" Tenon Adapter for 3-1/2" C • XX=2@10" Tenon Adapter for 3-1/2" C • XX=2@10" Tenon Adapter for 3-1/2" C • XX=2@00" Tenon Tenon for 3/2" C • XX=2@00" Tenon Tenon Tenon Tenon Ten	.D. Tenon O.D. Tenon O.D. Tenon D. Tenon D. Tenon O.D. Tenon O.D. Tenon O.D. Tenon O.D. Tenon D. Tenon D. Tenon D. Tenon D. Tenon U. Tenon U. Tenon U. Tenon U. Tenon	

#### NOTES

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 finits has the synt yetset do 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 Vidage 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

- 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.
- Inter An Ingri andoent and sensor options at FA. B. Adjustable Stipfitter arm limited to vertical 3" tenon. For mounting to 2-3/8" 0.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. Deavise. DB.

21: si not available with SPB at 347V or 480V. Not available with WaveLink or Emigrice Sensors, or 2014 organ primers and available with SPB at 347V or 480V. Not available with WaveLink or Emigrice Sensors, or 2014 organ primers and available with SPB at 347V or 480V. Not available with WaveLink or Emigrice Sensors, or 2014 organ primers are supplying a sensor of the senset of the sensor of the sensor of the sensor of the sensor of t

option. 16. Set of 4 pcs. One set required per Light Square.

- Not available with HA option.
   Not for use with 5N0, 5M0, 5W0 or RW optics. A black trim plate is used when HSS is selected.
   Cannot be used with other control options.
   Out ovidage 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 TAFT, TAW or SL4 optics. See IES files for details.

Hor to be mining the prime of the optical set in the of the tables.
 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.

Not available with HSS, GRSWH or GRSBK.
 An or practice of the control of the control

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

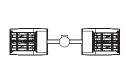
Product Family	Camera Type		Data Backhaul
L=LumenSafe Technology	D=Standard Dome Camera H=Hi-Res Dome Camera Z=Remote PTZ Camera	C=Cellular, No SIM A=Cellular, AT&T V=Cellular, Verizon S=Cellular, Sprint	R=Cellular, Rogers W=Wi-Fi Networking w/ Omni-Directional Antenna E=Ethernet Networking

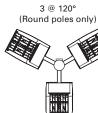


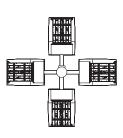
# **GALN Galleon II**

## **Mounting Details**

### **Pole Configuration Options** 2 @ 180°







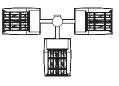
4 @ 90°

2 @ 90°

3 @ 90° (Round or square poles only)

2 @ 120° (Round poles only)





E

В

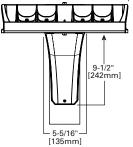
"R"

Quick Mount Arm (QM) \*

· " A "

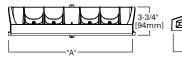
\*NOTE: Use Type N drilling pattern



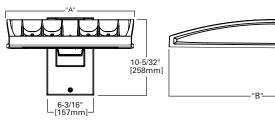


\*NOTE: Use Type N, R or M drilling pattern

#### Mast Arm, Fixed (MA)



Wall Mount, Fixed (WM)



9-1/2" [241mm]

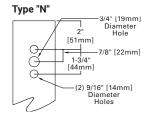
8-5/8" [220mm]

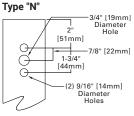
00

-6" 149mm]<sup>-</sup>

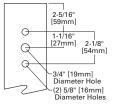
9-5/32" [233mm]

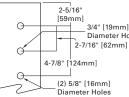
**Pole Drilling Patterns** 



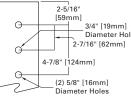


Type "R"





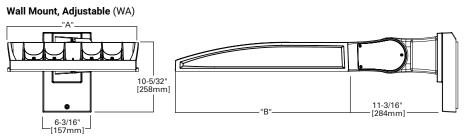
Type "M"



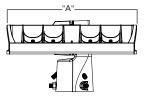


# GALN Galleon II

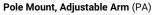
## **Mounting Details**

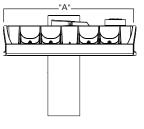


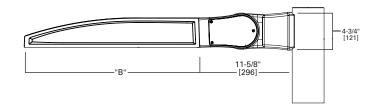
#### Slipfitter, Adjustable (SP)



"B"





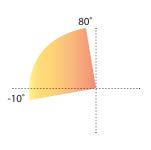


#### Fixture Weights and EPAs

<b>Tilt Angle</b> (Degrees)	Number of Light Squares	Weight	1 @ 90°	2 @ 180°	2 @ 90°	2 @ 120°	3 @ 90°	3 @ 120°	4 @ 90°
	1-4	33.5 lb (15.2 kg)	0.85	1.70	1.46	1.66	2.31	2.25	2.35
0°	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
	1-4	33.5 lb (15.2 kg)	1.10	1.71	1.95	2.26	2.81	3.30	2.87
15°	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
	1-4	33.5 lb (15.2 kg)	1.72	1.81	2.58	3.21	3.44	4.59	3.53
30°	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
	1-4	33.5 lb (15.2 kg)	2.25	2.36	3.10	4.00	3.96	5.63	4.08
45°	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
	1-4	33.5 lb (15.2 kg)	2.63	2.77	3.49	4.58	4.34	6.21	4.48
60°	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

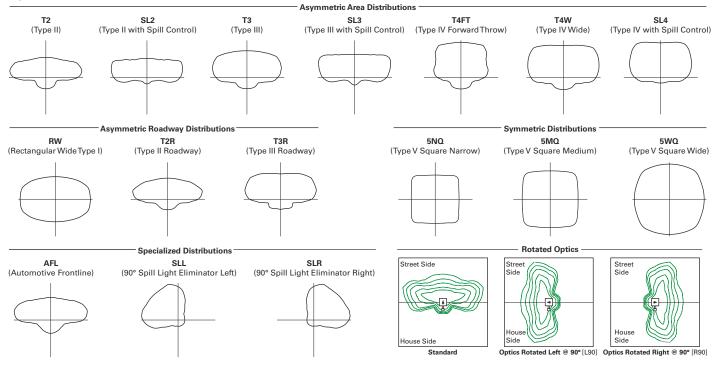


- Wall Mount (WA), Slipfitter (SP) and Pole Mount (PA)
- Adjustable in increments of 5°
- Must maintain downward facing orientation



# **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

# **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.



#### **Typical Applications**

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

#### Warranty

· Five year limited warranty

# **GALN Galleon II**

## **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**
	25°C	99.4%	99.0%	98.9%	98.3%	> 2.4M
Up to 1A	40°C	98.7%	98.3%	98.1%	97.4%	> 1.9M
	50°C	98.2%	97.2%	96.8%	95.2%	> 851,000
1.2A	25°C	99.4%	99.0%	98.9%	98.3%	> 2.4M
	40°C	98.5%	97.9%	97.7%	96.7%	> 1.3M

Lumen Multiplier

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

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

FADC Settings

### FADC Settings

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

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

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

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

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



# GALN Galleon II

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

	of Light Squares	1	2	3	4	5	6	7	8	9
lomina	Power (Watts)	33	63	93	121	154	182	215	244	274
nput Cu	irrent @ 120V	0.283	0.529	0.778	1.058	1.310	1.556	1.839	2.089	2.335
nput Cu	ırrent @ 208V	0.165	0.309	0.460	0.618	0.771	0.919	1.082	1.240	1.379
nput Cu	urrent @ 240V	0.143	0.270	0.398	0.540	0.671	0.796	0.944	1.078	1.194
nput Cu	urrent @ 277V	0.125	0.237	0.352	0.473	0.581	0.705	0.818	0.962	1.057
nput Cu	urrent @ 347V	0.098	0.181	0.272	0.362	0.454	0.544	0.636	0.738	0.816
nput Cı	urrent @ 480V	0.073	0.133	0.200	0.267	0.335	0.400	0.470	0.554	0.600
Optics										
	4000K Lumens	4,654	9,249	13,730	18,194	23,032	27,273	32,034	37,138	41,694
Т2	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G
	Lumens per Watt	141	147	148	150	150	150	149	152	152
	4000K Lumens	4,716	9,372	13,913	18,437	23,340	27,637	32,462	37,634	42,251
T2R	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G
	Lumens per Watt	143	149	150	152	152	152	151	154	154
	4000K Lumens	4,589	9,120	13,538	17,940	22,711	26,892	31,587	36,620	41,112
тз	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G
	Lumens per Watt	139	145	146	148	147	148	147	150	150
	4000K Lumens	4,735	9,411	13,970	18,513	23,436	27,751	32,596	37,790	42,425
r3R	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G
	Lumens per Watt	143	149	150	153	152	152	152	155	155
	4000K Lumens	4,617	9,176	13,622	18,051	22,851	27,058	31,782	36,847	41,366
T4FT	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G
	Lumens per Watt	140	146	146	149	148	149	148	151	151
T4W	4000K Lumens	4,631	9,203	13,662	18,104	22,918	27,138	31,876	36,955	41,488
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-0
	Lumens per Watt	140	146	147	150	149	149	148	151	151
SL2	4000K Lumens	4,619	9,180	13,627	18,058	22,860	27,069	31,795	36,861	41,383
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G
	Lumens per Watt	140	146	147	149	148	149	148	151	151
	4000K Lumens	4,586	9,115	13,531	17,931	22,699	26,879	31,571	36,602	41,091
SL3	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G
	Lumens per Watt	139	145	145	148	147	148	147	150	150
	4000K Lumens	4,529	9,002	13,363	17,708	22,417	26,544	31,178	36,146	40,580
SL4	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G
	Lumens per Watt	137	143	144	146	146	146	145	148	148
	4000K Lumens	4,829	9,598	14,247	18,880	23,901	28,301	33,242	38,539	43,266
5NQ	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G
	Lumens per Watt	146	152	153	156	155	155	155	158	158
	4000K Lumens	4,853	9,645	14,318	18,974	24,020	28,442	33,407	38,731	43,482
5MQ	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-G
, in q	Lumens per Watt	147	153	154	157	156	156	155	159	159
	4000K Lumens	4,843	9,625	14,288	18,934	23,969	28,382	33,337	38,649	43,390
5WQ	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-G
	Lumens per Watt	147	153	154	156	156	156	155	158	158
	4000K Lumens	3,989	7,927	11,768	15,594	19,741	23,375	27,456	31,831	35,736
LL/	BUG Rating	3,989 B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G
SLR	Lumens per Watt	121	126	127	129	128	128	128	130	130
	4000K Lumens	4,774	9,488	127	129	23,628	27,979	32,863	38,100	42,774
RW										
r( VV	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G
	Lumens per Watt	145	151	151	154	153	154	153	156	156
	4000K Lumens BUG Rating	4,673 B1-U0-G1	9,286 B1-U0-G1	13,785 B2-U0-G2	18,268 B2-U0-G2	23,126 B3-U0-G2	27,384 B3-U0-G2	32,164 B3-U0-G3	37,290 B3-U0-G3	41,864
AFL				L DO LIO CO	D-110 C2	0.00000	0210002	021002	021002	B3-U0-G



# GALN Galleon II

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

vumber	of Light Squares	1	2	3	4	5	6	7	8	9
lomina	Power (Watts)	44	82	121	164	204	243	286	325	364
nput Cu	Irrent @ 120V	0.367	0.689	1.014	1.378	1.704	2.027	2.393	2.716	3.041
nput Cu	urrent @ 208V	0.213	0.401	0.594	0.802	0.997	1.188	1.400	1.605	1.782
nput Cu	urrent @ 240V	0.184	0.347	0.510	0.694	0.860	1.021	1.210	1.386	1.531
nput Cu	ırrent @ 277V	0.160	0.303	0.449	0.605	0.757	0.898	1.065	1.242	1.347
nput Cu	Irrent @ 347V	0.125	0.235	0.355	0.471	0.592	0.710	0.828	0.958	1.065
nput Cu	ırrent @ 480V	0.092	0.172	0.258	0.344	0.432	0.517	0.605	0.706	0.775
Optics										
	4000K Lumens	5,790	11,508	17,083	22,638	28,658	33,935	39,859	46,210	51,879
T2	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G
	Lumens per Watt	132	140	141	138	140	140	139	142	143
	4000K Lumens	5,868	11,662	17,311	22,941	29,041	34,388	40,391	46,827	52,572
Γ2R	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G
	Lumens per Watt	133	142	143	140	142	142	141	144	144
	4000K Lumens	5,710	11,347	16,845	22,322	28,258	33,461	39,303	45,565	51,155
тз	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G
	Lumens per Watt	130	138	139	136	139	138	137	140	141
	4000K Lumens	5,892	11,710	17,383	23,035	29,161	34,530	40,558	47,020	52,788
T3R	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	40,558 B3-U0-G5	B3-U0-G5	B4-U0-G
50	Lumens per Watt	134	143	144	140	143	142	142	145	145
	4000K Lumens	5,745		144	22,460	28,433	33,668	39,546	45,847	51,471
457			11,418							
4FT	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G
	Lumens per Watt	131	139	140	137	139	139	138	141	141
T4W	4000K Lumens	5,762	11,451	16,999	22,526	28,517	33,767	39,662	45,982	51,622
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-0
	Lumens per Watt	131	140	140	137	140	139	139	141	142
SL2	4000K Lumens	5,747	11,422	16,956	22,469	28,444	33,681	39,561	45,865	51,491
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G
	Lumens per Watt	131	139	140	137	139	139	138	141	141
	4000K Lumens	5,707	11,342	16,836	22,311	28,244	33,444	39,283	45,542	51,129
SL3	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G
	Lumens per Watt	130	138	139	136	138	138	137	140	140
	4000K Lumens	5,636	11,201	16,627	22,034	27,893	33,028	38,794	44,976	50,493
SL4	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-0
	Lumens per Watt	128	137	137	134	137	136	136	138	139
	4000K Lumens	6,009	11,942	17,727	23,492	29,739	35,214	41,362	47,953	53,835
5NQ	BUG Rating	B2-U0-G1	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G
	Lumens per Watt	137	146	147	143	146	145	145	148	148
	4000K Lumens	6,039	12,001	17,816	23,609	29,887	35,389	41,568	48,191	54,103
MQ	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-G
	Lumens per Watt	137	146	147	144	147	146	145	148	149
	4000K Lumens	6,026	11,976	17,778	23,559	29,824	35,315	41,480	48,090	53,989
WQ	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-G
	Lumens per Watt	137	146	147	144	146	145	145	148	148
	4000K Lumens	4,963	9,863	14,642	19,403	24,563	29,085	34,163	39,607	44,465
LL/	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G
SLR	Lumens per Watt	113	120	121	118	120	120	119	122	122
	4000K Lumens	5,940	11,806	17,526	23,224	29,400	34,813	40,891	47,407	53,222
RW	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G
	Lumens per Watt	135	144	145	142	144	143	143	146	146
	4000K Lumens	5,814	11,555	17,153	22,730	28,775	34,073	40,021	46,398	52,090
	BUG Rating	B1-U0-G1	B2-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	40,398 B3-U0-G3	B3-U0-0
AFL		01-00-01	D2 00-01	02 00 02	DZ 00-0Z	00-00-03	00-00-00	00-00-00	00-00-00	1 00-00-0



# GALN Galleon II

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

Numbe	r of Light Squares	1	2	3	4	5	6	7	8	9
Nomina	I Power (Watts)	57	108	160	213	269	321	377	429	481
Input C	urrent @ 120V	0.478	0.905	1.338	1.810	2.244	2.675	3.150	3.584	4.013
Input C	urrent @ 208V	0.279	0.532	0.780	1.064	1.313	1.559	1.845	2.093	2.339
Input C	urrent @ 240V	0.243	0.458	0.664	0.916	1.123	1.328	1.582	1.788	1.991
nput C	urrent @ 277V	0.213	0.404	0.582	0.808	0.997	1.164	1.401	1.589	1.745
Input C	urrent @ 347V	0.164	0.322	0.471	0.644	0.795	0.943	1.117	1.269	1.414
-	urrent @ 480V	0.121	0.235	0.341	0.469	0.579	0.681	0.814	0.923	1.022
Optics		-								-
optico	4000K Lumens	7,154	14,219	21,107	27,970	35,408	41,927	49,247	57,094	64,098
та										
T2	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
	4000K Lumens	7,250	14,408	21,389	28,344	35,881	42,487	49,905	57,857	64,954
T2R	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
	4000K Lumens	7,054	14,020	20,812	27,580	34,914	41,342	48,560	56,297	63,203
Т3	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
	4000K Lumens	7,280	14,468	21,477	28,461	36,029	42,663	50,111	58,096	65,222
T3R	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
	4000K Lumens	7,098	14,107	20,941	27,751	35,130	41,598	48,860	56,646	63,594
T4FT	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
	4000K Lumens	7,119	14,148	21,003	27,832	35,233	41,720	49,004	56,812	63,781
T4W	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
SL2	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
	4000K Lumens	7,051	14,013	20,802	27,566	34,897	41,321	48,535	56,269	63,172
SL3	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
	4000K Lumens	6,963	13,839	20,543	27,223	34,463	40,808	47,932	55,569	62,386
SL4	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
	4000K Lumens	7,424	14,755	21,903	29,025	36,743	43,508	51,104	59,247	66,515
5NQ	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
	4000K Lumens	7,461	14,828	22,012	29,169	36,926	43,725	51,359	59,542	66,846
5MQ	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
	4000K Lumens	7,445	14,797	21,966	29,108	36,849	43,633	51,250	59,417	66,705
5WQ	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
	4000K Lumens	6,132	12,187	18,091	23,973	30,348	35,936	42,210	48,935	54,938
SLL/	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
SLR	Lumens per Watt	108	113	113	113	113	112	112	114	114
	-									
D)44	4000K Lumens	7,340	14,587	21,653	28,694	36,325	43,013	50,522	58,573	65,757
RW	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
	4000K Lumens	7,183	14,276	21,193	28,084	35,552	42,098	49,448	57,327	64,359
AFL	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



# GALN Galleon II

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

Numbe	r of Light Squares	1	2	3	4	5	6	7	8	9
lomina	I Power (Watts)	65	125	184	245	309	368	433	493	552
nput C	urrent @ 120V	0.546	1.041	1.535	2.082	2.578	3.070	3.619	4.114	4.605
nput C	urrent @ 208V	0.318	0.610	0.893	1.219	1.504	1.786	2.113	2.397	2.679
nput C	urrent @ 240V	0.276	0.523	0.758	1.046	1.282	1.516	1.806	2.041	2.274
nput C	urrent @ 277V	0.241	0.460	0.662	0.920	1.133	1.325	1.593	1.807	1.987
nput C	urrent @ 347V	0.187	0.370	0.543	0.740	0.915	1.085	1.285	1.459	1.628
	urrent @ 480V	0.138	0.269	0.391	0.537	0.663	0.782	0.932	1.057	1.173
Optics										
philo	4000K Lumens	7,872	15,645	23,225	30,777	38,962	46,135	54,189	62,824	70,530
то										
T2	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-G
	Lumens per Watt	121	125	126	126	126	125	125	127	128
	4000K Lumens	7,977	15,854	23,535	31,188	39,482	46,751	54,913	63,663	71,472
T2R	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-G
	Lumens per Watt	123	127	128	127	128	127	127	129	129
	4000K Lumens	7,762	15,427	22,901	30,348	38,418	45,491	53,433	61,947	69,546
тз	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-G
	Lumens per Watt	119	123	124	124	124	124	123	126	126
	4000K Lumens	8,010	15,920	23,632	31,317	39,645	46,944	55,139	63,925	71,767
T3R	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-U0-0
	Lumens per Watt	123	127	128	128	128	128	127	130	130
	4000K Lumens	7,810	15,522	23,043	30,535	38,655	45,772	53,763	62,330	69,97
4FT	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-U0-0
1461	Lumens per Watt	120	124	125	125	125	124	124	126	127
	4000K Lumens	7,833				38,769	45,907	53,921		70,18
T4W			15,568	23,110	30,625				62,513	
	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-U0-0
	Lumens per Watt	121	125	126	125	125	125	125	127	127
SL2	4000K Lumens	7,813	15,528	23,052	30,547	38,670	45,790	53,784	62,354	70,003
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-0
	Lumens per Watt	120	124	125	125	125	124	124	126	127
	4000K Lumens	7,758	15,419	22,889	30,332	38,398	45,468	53,406	61,916	69,511
SL3	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-U0-0
	Lumens per Watt	119	123	124	124	124	124	123	126	126
	4000K Lumens	7,662	15,228	22,605	29,955	37,921	44,903	52,742	61,146	68,646
SL4	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-U0-0
	Lumens per Watt	118	122	123	122	123	122	122	124	124
	4000K Lumens	8,169	16,235	24,101	31,938	40,431	47,874	56,232	65,193	73,19
5NQ	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-U0-0
	Lumens per Watt	126	130	131	130	131	130	130	132	133
	4000K Lumens	8,210	16,316	24,221	32,097	40,632	48,113	56,512	65,517	73,554
5MQ		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-G
DIVIQ	BUG Rating									
	Lumens per Watt	126	131	132	131	131	131	131	133	133
	4000K Lumens	8,192	16,282	24,170	32,029	40,546	48,011	56,393	65,379	73,399
5WQ	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-U0-0
	Lumens per Watt	126	130	131	131	131	130	130	133	133
	4000K Lumens	6,747	13,410	19,906	26,379	33,394	39,542	46,445	53,846	60,45
SLL/	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-U0-0
	Lumens per Watt	104	107	108	108	108	107	107	109	110
	4000K Lumens	8,076	16,050	23,826	31,574	39,970	47,329	55,592	64,450	72,356
RW	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-U0-0
	Lumens per Watt	124	128	129	129	129	129	128	131	131
	4000K Lumens	7,904	15,709	23,320	30,902	39,120	46,323	54,410	63,079	70,817
AFL	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-U0-0
AFL		1		1		1	1	1	1	1



#### 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						
Lumin	aire Finish	SPB Sensor Finish				
WH	White	White				
ВК	Black	Black				
GM	Graphite Metallic	Black				
BZ	Bronze	Bronze				
AP	Gray	Gray				
DP	Dark Platinum	Gray				

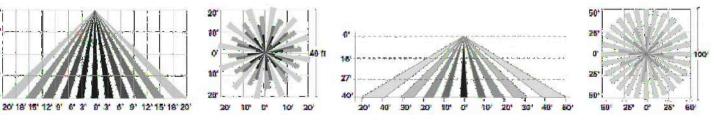
SPB/X Availability Table							
Fixture Square Count	Available SPB/X Square Count						
1	Not Available						
2	Not Available						
3	Not Available						
4	2						
5	2 or 3						
6	3						
7	2, 3, 4 or 5						
8	2, 3, 5 or 6						
9	3 or 6						

#### 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 pre-sets). WaveLinx Dive MOB) outdoor wireless sensors provide PIR occupancy and photocell for closed loop daylight harvesting, and can be factory or field-installed. Sensors are factory pre-sets). WaveLinx Dive MOB) outdoor Control Module (WOLC-7P-10A) accessory provides a photocortol enabling astronomic or time-based schedules to provide ON, OFF and dimming control of fixtures utilizing a 7-PIN receptacle. The out-of-box functionality is ON at dusk and OFF at dawn.

#### For mounting heights up to 15' (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)

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



Cooper Lighting Solutions 1121 Highway 74 South Peachtree City, GA 30269 P: 770-486-4800 www.cooperlighting.com © 2022 Cooper Lighting Solutions All Rights Reserved. Specifications and dimensions subject to change without notice.

Project	Catalog #	Туре	
Prepared by	Notes	Date	



# A Interactive Menu

- Ordering Information page 2
- Product Specifications page 2
- Optical Configurations page 3
- Energy and Performance Data page 4
- Control Options page 6

# **McGraw-Edison**

# **GWC Galleon Wall**

Wall Mount Luminaire

## **Product Features**



## **Product Certifications**

Connected Systems

WaveLinx

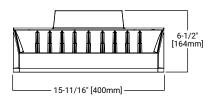
Enlighted



## **Quick Facts**

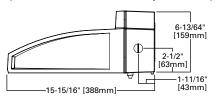
- · Choice of thirteen high-efficiency, patented AccuLED Optics
- · Downward and inverted wall mounting configurations
- Eight lumen packages from 3,215 up to 17,056
- · Efficacies up to 154 lumens per watt

## **Dimensional Details**

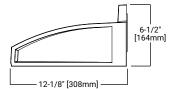


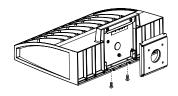
# GWC with CBP option installed

(Thru-Branch Back Box accessory MA1059XX)

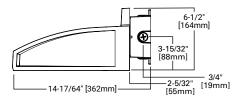


NOTES: 1. Visit <u>https://www.designlights.org/search/</u> to confirm qualification. Not all product variations are DLC qualified. 2. IDA Certified for 3000K CCT and warmer only.





GWC with accessory BB/GWCXX Back Box installed





## **Ordering Information**

SAMPLE NUMBER: GWC-SA2C-740-U-T4FT-GM

Product Family 1       Configurati         GWC=Galleon Wall       B&A-GWC=Galleon Wall, Buy American Act Compliant 3s       SA1=1 Square SA2=2 Square         TAA-GWC=Galleon Wall, Trade Agreements Act Compliant 3s       SA1=1 Square SA2=2 Square         Options (Add as Suffix)         F=Single Fused (120, 277 or 347V. Must Specify Voltage)         FF=Double Fused (208, 240 or 480V. Must Specify Voltage)         Total Suffix)         Suffix Specify Voltage)         Control Voltage Protective Device 21=Two-Circuit Light Engine <sup>3a</sup> DIM=External 0-10V Dimming Leads * 10 CBP=Battery Pack with Back Box, Cold Weather Rated * 4.4 CBP-CEC=Battery Pack with Back Box, Cold Weather Rated CEC compliant <sup>2,4,14</sup> BB=Shiped with Back Box Accessory 3s 190-Optics Rotated 90° Right HSS=Factory Installed House Side Shield <sup>23</sup> GRSBH=Factory Installed Glare Shield, BK4. <sup>27</sup> UPL=Uplight Housing <sup>13</sup> HA=50°C High Ambient <sup>12</sup> LGF=Light Square Trim Plate Painted to Match Housing <sup>22</sup> MT=Factory Installed Glare Shield, WH. <sup>4,27</sup> UPL=Uplight Housing <sup>13</sup> HA=50°C High Ambient <sup>12</sup> LGF=Light Square Trim Plate Painted to Match Housing <sup>22</sup> MT=Factory Installed Mesh Top CC=Coastal Construction finish <sup>5</sup> CE=CE Marking and Small Terminal Block <sup>24</sup> AHD145=After Hours Dim, 5 Hours <sup>16</sup> AHD245=After Hours Dim, 7 Hours <sup>16</sup> AHD245=After Hours Dim, 7 Hours <sup>16</sup> AHD245=After Hours Dim, 7 Hours <sup>16</sup> DALI=DALI Driver <sup>11</sup>	<ul> <li>A=615mA B=800mA C=1000mA D=1200mA<sup>4</sup></li> <li>BPC=Button Type Voltage) PR=NEMA 3-PIN PR7=NEMA 7-PII SPB1=Dimming ( 3' - 80' Mounting SPB4=Dimming ( 8' - 20' Mounting SPB4=Dimming ( SPB4=Dimming ( SPB</li></ul>	Occupancy Sensor with Bluetooth g <sup>19,34</sup> Sensor for On/Off Operation <sup>17,18,1</sup> totion Sensor for Dimming Operatii tabled 4-PIN Twistlock Receptacle dule with DALI driver and 4-PIN R Linx Sensor Only, 7'-15' <sup>31,32</sup> Linx Sensor Only, 15'-40' <sup>31,32</sup> tix Sensor with Bluetooth, 15'-40' <sup>31,32</sup> ed Wireless Sensor, Wide Lens for <sup>19,20,21</sup> ed Wireless Sensor, Narrow Lens for	77V. Must Specify le cle <sup>15</sup> Interface, <8' Interface, Interface, <sup>19</sup> on <sup>17</sup> , 18, 19 <sup>29, 30</sup> ecceptacle <sup>29, 30</sup>	Distribution         Finish           T2=Type II         TasType III           T4FT=Type IV Forward Throw         T4FT=Type IV Wide           SL2=Type III w/Spill Control         SL3=Type III w/Spill Control           SL3=Type III w/Spill Control         SL4=Type V WSpill Control           SL4=Type IV w/Spill Control         SL4=Type V WSpill Control           SL4=Type V WSpill Control         SL4=Type V WSpill Control           SWQ=Type V Square Medium         SWQ=Type V Square Medium           SWQ=Type V Square Medium         SWQ           DA/RA1013=Photocontrol Shorting Cap         OA/RA1027=NEMA Photocontrol - 347V           OA/RA1027=NEMA Photocontrol - 347V         OA/RA1027=NEMA Photocontrol - 480V           MA1252=10kV Circuit Module Replacement         MA1039X=Thru-branch Back Box (Must Specify Color)           BB/GWCXX=Back Box (Must Specify Color)         LS/HSS=Field Installed House Side Shield <sup>23, 25</sup> LS/GRSWH=Glare Shield, Black <sup>35, 27</sup> LS/GRSWH=Glare Shield, Black <sup>36</sup> SWPD4-XX=Wavelinx Wireless Sensor, 7' - 15' Mounting Height <sup>28, 30, 31</sup> <t< th=""></t<>
BAA-GWC-Galleon Wall, Buy American Act Compliant <sup>35</sup> SA2=2 Square         Compliant <sup>35</sup> SA2=2 Square         Agreements Act Compliant <sup>35</sup> SA2=2 Square         Compliant <sup>36</sup> SA2=2 Square         Agreements Act Compliant <sup>35</sup> SA2=2 Square         Compliant <sup>36</sup> SA2=2 Square         Single Fused (120, 277 or 347V. Must Specify Voltage)       State	<ul> <li>B=800mA C=1000mA D=1200mA<sup>4</sup></li> <li>BPC=Button Type Voltage) PR=NEMA 3-PIN PR7=NEMA 7-PII SPB1=Dimming ( Mounting <sup>19,34</sup> SPB2=Dimming ( 3'-20' Mounting SPB4=Dimming ( 21'-40' Mounting SPB4=Dimming ( 21'-40' Mounting SPB4=Dimming ( 21'-40' Mounting SPB4=Dimming ( SWPD4XS=Wave SWPD5XX=WaveLin WOFXX=WaveLin WOFXX=WaveLin WOFXX=WaveLin WOFXX=WaveLin WOFXX=WaveLin WOFXX=WaveLin WOFXX=WaveLin WOFXX=WaveLin WOFXX=WaveLin WOFXX=WaveLin WOFXX=WaveLin WOFXX=WaveLin WOFXX=WaveLin WOFXX=WaveLin WF-LW=Enlight Mounting Height LWR-LW=Enlight</li> </ul>	727-70CRI, 2700K 730-70CRI, 3000K 735-70CRI, 3500K 740-70CRI, 4000K 760-70CRI, 6000K 827-80CRI, 2700K 830-80CRI, 2700K 830-80CRI, 2700K 830-80CRI, 3000K AMB-Amber, 590nm 3.4 ols and Systems Options (Add e Photocontrol (120, 208, 240 or 2 Twistlock Photocontrol Receptac Twistlock Photocontrol Receptac Docupancy Sensor with Bluetooth 0ccupancy Sensor with Bluetooth 0ccupancy Sensor with Bluetooth 1934 Sensor for On/Off Operation 71.16; 31.21 Sensor with Bluetooth, 71.51 31.32 Linx Sensor only, 71-51 31.32 X Sensor With Bluetooth, 71-51 40.31 X X X X X X X X X X X X X X X X X X X	1=120V 2=208V 3=240V 4=277V 8=480V <sup>6,7</sup> 9=347V <sup>6</sup> DV=277-480V Dut Drivers <sup>7,8,37</sup> TV. Must Specify le cle <sup>15</sup> Interface, <8' Interface, 9 pn <sup>17,18,19</sup> <sup>22,30</sup> eceptacle <sup>29,30</sup> <sup>12</sup> <sup>32</sup> <sup>32</sup> <sup>32</sup> <sup>32</sup> <sup>32</sup>	T3=Type III       T4FT=Type IV Forward Throw       T4FT=Type IV Wide       BX=Black         T4W=Type IV Wide       SL2=Type II W/Spill Control       BX=Black       DP=Dark Platinum         SL3=Type III W/Spill Control       SL4=Type IV W/Spill Control       BX=Black       DP=Dark Platinum         SL4=Type IV W/Spill Control       SL4=Type IV W/Spill Control       BX=Black       DP=Dark Platinum         SNQ=Type V Square Narrow       SMQ=Type V Square Medium       SWQ=Type V Square Medium       SWQ=Type V Square Medium         SWQ=Type V Square Medium       SWQ=Type V Square Medium       SWQ=Type V Square Medium       SWQ=Type V Square Medium         SWQ=Type V Square Medium       SWQ=Type V Square Medium       SWQ=Type V Square Medium       SWQ=Type V Square Medium         SWQ=Type V Square Medium       SWQ=Type V Square Medium       SWQ=Type V Square Medium       SWQ=Type V Square Medium         SWQ=Type V Square Medium       SWQ=Type V Square Medium       SWQ=Type V Square Medium       SWQ=Type V Square Medium         SWQ=Type V Square Medium       SWQ=Type V Square Medium       SWQ=Type V Square Medium       SWQ=Type V Square Medium         SWQ=Type V Square Medium       SWQ=Type V Square Medium       SWQ=Type V Square Medium       SWQ=Type V Square Medium         SWDD4-XX=Maxelin Mehotocontrol - Multi-Tap 105-285V       OA/RA1018=NEMA Photocontrol - 4480V       MA1252-10K/KW Circuit Modu
<ul> <li>Single Fused (120, 277 or 347V. Must Specify Voltage)</li> <li>F=Double Fused (208, 240 or 480V. Must Specify Voltage)</li> <li>F=Double Fused (208, 240 or 480V. Must Specify Voltage)</li> <li>OK=Series 20kV UL 1449 Surge Protective Device</li> <li>L=Two-Circuit Light Engine<sup>39</sup></li> <li>IMM=External 0-10V Dimming Leads<sup>9,10</sup></li> <li>BP-Battery Pack with Back Box, Cold Weather Rated <sup>2,4,10</sup></li> <li>BP-Battery Pack with Back Box, Cold Weather Rated <sup>2,4,14</sup></li> <li>BS-CEC=Battery Pack with Back Box, Cold Weather Rated <sup>2,4,14</sup></li> <li>BS-Shipped with Back Box Accessory<sup>39</sup></li> <li>90=Optics Rotated 90° Left</li> <li>190=Optics Rotated 90° Right</li> <li>ISS=Factory Installed House Side Shield<sup>23</sup></li> <li>IRSBK=Factory Installed Glare Shield, BK<sup>4,27</sup></li> <li>IPL=Uplight Housing<sup>13</sup></li> <li>IA=50°C High Ambient<sup>12</sup></li> <li>CC=Castal Construction finish<sup>5</sup></li> <li>E=CE Marking and Small Terminal Block <sup>24</sup></li> <li>HD1245=After Hours Dim, 5 Hours<sup>16</sup></li> <li>HD245=Facter Hours Dim, 7 Hours<sup>16</sup></li> <li>HD245=Facter Hours Dim, 7 Hours<sup>16</sup></li> <li>HD245=Facter Hours Dim, 8 Hours<sup>16</sup></li> <li>HD145=Facter Hours Dim, 7 Hours<sup>16</sup></li> <li>HD245=After Hours Dim, 7 Hours<sup>16</sup></li> <li>HD145=After Hours Dim, 7 Hours<sup>16</sup></li> </ul>	BPC=Button Type Voltage) PR-NEMA 3-PIN PR7=NEMA 7-PII SPB1=Dimming ( Mounting <sup>19,34</sup> SPB2=Dimming ( 3'-20' Mounting SPB4=Dimming ( 21'-40' Mountin MS-LXX=Motion MS/DIM-LXX=M, ZW=WaveLinx-er ZD=WaveLinx MG SWPD4XX=WaveLin WOFXX=WaveLin WOFXX=WaveLin WOFXX=WaveLin UWR-LW=Enlight Mounting Height LWR-LW=Enlight	e Photocontrol (120, 208, 240 or 2 Twistlock Photocontrol Receptac Twistlock Photocontrol Recepta Decupancy Sensor with Bluetooth Occupancy Sensor with Bluetooth Occupancy Sensor with Bluetooth Groups of a conversion of the sensor of the sensor with Bluetooth Date of the sensor with Bluetooth Date of the sensor with Bluetooth Date of the sensor with Bluetooth This Sensor of the sensor Na Sensor with Bluetooth, 7'-15'-40' av Sensor with Bluetooth, 7'-15'-40' av Sensor with Bluetooth, 7'-15'-40' av Sensor with Bluetooth, 7'-15'-40' ded Wireless Sensor, Wide Lens for 19.20.21	77V. Must Specify le cle <sup>15</sup> Interface, <8' Interface, Interface, <sup>19</sup> on <sup>17</sup> , 18, 19 <sup>29, 30</sup> ecceptacle <sup>29, 30</sup>	OA/RA1013=Photocontrol Shorting Cap OA/RA1015=NEMA Photocontrol - Multi-Tap 105-285V OA/RA1201=NEMA Photocontrol - 347V OA/RA1027=NEMA Photocontrol - 480V MA1252=10kV Circuit Module Replacement MA1059XX=Thru-branch Back Box (Must Specify Color) BB/GWCXX=Back Box (Must Specify Color) LS/HSS=Field Installed House Side Shield <sup>23, 25</sup> LS/GRSBK=Glare Shield, Black <sup>45, 27</sup> LS/GRSBK=Glare Shield, Black <sup>43</sup> FSIR-100=Wireless Configuration Tool for Occupancy Sensor <sup>17</sup> WOLC-7P-10A=WaveLinx Outdoor Control Module (7-pin) <sup>36, 29</sup> SWPD4-XX=PaveInx Wireless Sensor, 7' – 15' Mounting Height <sup>25, 20, 31</sup>
F=Double Fused (208, 240 or 480V. Must Specify Voltage IOK=DikV Surge Module 20K-Series 20KV UL 1449 Surge Protective Device 2L=Two-Circuit Light Engine <sup>34</sup> DIM=External 0-10V Dimming Leads <sup>8,10</sup> 2BP-Battery Pack with Back Box, Cold Weather Rated <sup>2,4,1</sup> 2BP-CEC=Battery Pack with Back Box, Cold Weather Rated 2C compliant <sup>2,4,14</sup> 3B=Shipped with Back Box Accessory <sup>39</sup> .90-Optics Rotated 90° Left 909-Optics Rotated 90° Right 1SS=Factory Installed House Side Shield <sup>23</sup> SRSWH=Factory Installed Glare Shield, WH <sup>4,27</sup> JPL=Uplight Housing <sup>13</sup> 4A=50°C High Ambient <sup>12</sup> .CF=Light Square Trim Plate Painted to Match Housing <sup>22</sup> MT=Factory Installed Mesh Top 2C=Coastal Construction finish <sup>5</sup> 2E=CE Marking and Small Terminal Block <sup>24</sup> HD245=After Hours Dim, 5 Hours <sup>16</sup> HD245=After Hours Dim, 7 Hours <sup>16</sup> DALI=DALI Driver <sup>11</sup>	Voltage) PR-NEMA 3-PIN SPB1=Dimming ( Mounting <sup>19,34</sup> SPB2=Dimming ( SPB2=Dimming ( SPB2=Dimming ( 21' - 40' Mountin MS-LXX=Motion MS/DIM-LXX=MA ZW=WaveLinx-er ZD=WaveLinx MC SWPD5XX=Wave SWPD5XX=WaveLin WOFXX=WaveLin LWR-LW=Enlight Mounting Height LWR-LN=Enlight	Twistlock Photocontrol Receptac N Twistlock Photocontrol Recepta Occupancy Sensor with Bluetooth Docupancy Sensor with Bluetooth 194 Docupancy Sensor with Bluetooth g <sup>1934</sup> Sensor for On/Off Operation <sup>71, 18, 1</sup> , totion Sensor for Dimming Operatin tabled 4-PIN Twistlock Receptacle Addle with DALI driver and 4-PIN R Linx Sensor Only, 75'-40' <sup>31, 32</sup> X Sensor with Bluetooth, 15'-40' <sup>31, 24</sup> d Wireless Sensor, Wide Lens for 19, 20, 21 Willess Sensor, Narrow Lens for 19, 20, 21	le cle <sup>15</sup> Interface, <8' Interface, Interfa	OA/RA1016=NEMA Photocontrol - Multi-Tap 105-285V OA/RA1021=NEMA Photocontrol - 347V OA/RA1027=NEMA Photocontrol - 347V MA10525=10kV Circuit Module Replacement MA1059XX=Thru-branch Back Box (Must Specify Color) BB/GWCXX=Back Box (Must Specify Color) LS/HSS=Field Installed House Side Shield <sup>23, 25</sup> LS/GRSBK=Glare Shield, Black <sup>25, 27</sup> LS/GRSWH=Glare Shield, Black <sup>24</sup> FSIR-100=Wireless Configuration Tool for Occupancy Sensor <sup>17</sup> WOLC-7P-10A=WaveLinx Outdoor Control Module (7-pin) <sup>26, 29</sup> SWPD4-XX=Wavelinx Wireless Sensor, 7' – 15' Mounting Height <sup>25, 30, 31</sup>
<ul> <li>DesignLight Consortium® Qualified. Refer to www.designlights.org</li> <li>Two light squares with CBP options limited to 25°C. CBP not availat</li> <li>Narrow-band 590m +/- 5nm for wildlife and observatory use. Choo IES files. Available with 5WQ, 5MQ, SL2, SL3 and SL4 distributions.</li> <li>Not available with H Aption.</li> <li>Coastal construction finish salt spray tested to over 5,000-hours pe</li> <li>Require the use of a step down transformer. Not available in combir 480V not to be used with ungrounded or impedance grounded syste.</li> <li>DuraVol drivers feature added protection from power quality issue: yww.signify.com/duravolt for more information.</li> <li>Cannot be used with other control options.</li> <li>O. Low voltage control leads extended 18° from fixture.</li> <li>Not available in 1200mA, UPL or CBP options. Available with singl. Not available in 1200mA, UPL or CBP options. Available with signation.</li> <li>Querates a single light square only. Operates at -20° C to +40°C. Be 5. Compatible with Standard 3-PIN photocontrols, 5-PIN or 7-PIN AM</li> <li>Requires the use of BPC photocontrol or the PR7 or PR photocontr additional information.</li> <li>The FSIR-100 configuration tool is required to adjust parameters is representative at Cooper Lighting Solutions for more information.</li> <li>Replace LXX with L08 (c8' mounting), L20 (8°-20' mounting) or L40</li> <li>Includes integral photosensor.</li> <li>Enlighted wireless sensors are factory installed requiring network appropriate quantities.</li> <li>Not row with SNO, SMO, SWO or RW optics. The light square tri</li> </ul>	e in combination with senso e drive current A; supplied a Can be used with HSS option ASTM B117, with a scribe re attion with sensor options at ns. such as loss of neutral, tran vailable with single light squ light square. ckbox is non-IP rated. Control controls. I receptacle with photocont ch as high and low modes, s V (21'-40' mounting.) components in	r options at 1200mA. t 500mA drive current only. Exact lumina h. titing of 9 per ASTM D1654. 1200mA. sisients and voltage fluctuations. Visit uare. ol option limited to BPC. rol accessory. See After Hours Dim supp ensitivity, time delay and cutoff. Consult	lemental guide for	<ol> <li>24. CE is not available with the 1200, DALI, LWR, MS, MS/DIM, BPC, PR or PR7 option Available in 120-277V only.</li> <li>25. One required for each light square.</li> <li>26. Requires PR7.</li> <li>27. Not for use with T4FT, T4W or SL4 optics.</li> <li>28. Set of 4 pcs. Once set required per Light Square.</li> <li>29. Cannot be used in conjunction with additional photocontrol or other controls sy: (BPC, PR, PR7, MS, LWR).</li> <li>30. WAC Gateway required to enable field-configurability: Order WAC-PoE and WPOE-120 (10V to PoE injector) power supply if needed.</li> <li>31. Requires ZW or ZD receptacle.</li> <li>32. Specify 120V or 277V.</li> <li>34. Smart device with mobile application required to change system defaults. See or section for details.</li> <li>35. Only product configurations with these designated prefixes are built to be compliant the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respec Please refer to <u>DOMESTIC PREFERENCES</u> website for more information. Component shipped separately may be separately under domestic preference requirem 36. For BAA or TAA requirements. Consult factory for further information.</li> <li>37. Not available with FF, AHD or DALI options. Controls and/or battery packs operation one of the two circuits when 2L is specified. 2L with controls options not available with CBP or CBP-CEC options.</li> </ol>

- IP66 rated housing
- 1.5G vibration rated

### **Optics**

- Patented, high-efficiency injection-molded AccuLED ٠ Optics technology
- . 13 optical distributions
- IDA Certified (3000K CCT and warmer only)
- Optional 10kV or 20kV surge module
- Suitable for operation in -40°C to 40°C ambient environments; Optional 50°C high ambient (HA) • configuration

#### Mounting

- Gasketed and zinc plated rigid steel mounting • attachment
- "Hook-N-Lock" mechanism for easy installation
- RAL and custom color matches available
- Coastal Construction (CC) option available

### **Typical Applications**

Exterior Wall, Walkway

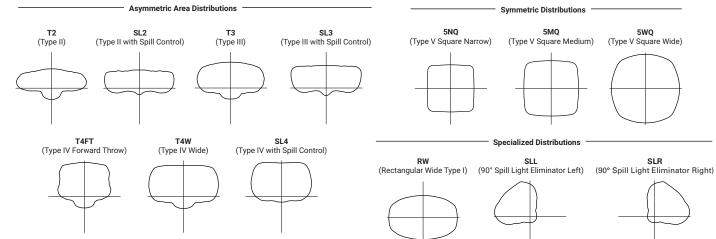
#### Warranty

• Five-year warranty

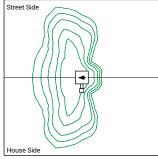


# **GWC Galleon Wall**

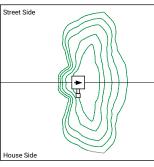
## **Optical Distributions**



## **Optic Orientation**



Optics Rotated Left @ 90° [L90]



Optics Rotated Right @ 90° [R90]

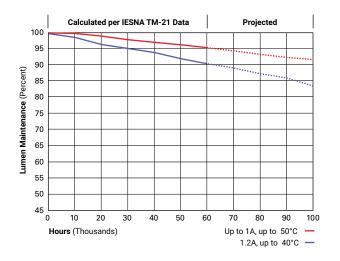
## **Energy and Performance Data**

### 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

### Lumen Maintenance

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





## **Energy and Performance Data**

### 4000K/5000K/6000K CCT, 70 CRI

# **GWC Galleon Wall**

🖋 View GWC Galleon Wall IES files

Number of	Light Squares			1			:	2	
Drive Curre	ent	615mA	800mA	1050mA	1.2A	615mA	800mA	1050mA	1.2A
Nominal Power (Watts)		34	44	59	67	66	86	113	129
Input Current @ 120V (A)		0.30	0.39	0.51	0.58	0.58	0.77	1.02	1.16
Input Current @ 208V (A)		0.17	0.22	0.29	0.33	0.34	0.44	0.56	0.63
Input Current @ 240V (A)		0.15	0.19	0.26	0.29	0.30	0.38	0.48	0.55
Input Curre	ent @ 277V (A)	0.14	0.17	0.23	0.25	0.28	0.36	0.42	0.48
Input Curre	ent @ 347V (A)	0.11	0.15	0.17	0.20	0.19	0.24	0.32	0.39
Input Curre	ent @ 480V (A)	0.08	0.11	0.14	0.15	0.15	0.18	0.24	0.30
Optics	Optics								
	Lumens	4,883	5,989	7,412	8,131	9,543	11,703	14,485	15,891
Т2	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3
	Lumens per Watt	144	136	126	121	145	136	128	123
тз	Lumens	4,978	6,105	7,556	8,288	9,729	11,929	14,764	16,196
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3
	Lumens per Watt	146	139	128	124	147	139	131	126
	Lumens	5,008	6,140	7,599	8,337	9,783	11,998	14,850	16,290
T4FT	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3
	Lumens per Watt	147	140	129	124	148	140	131	126
	Lumens	4,942	6,060	7,502	8,229	9,658	11,843	14,658	16,080
T4W	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3
	Lumens per Watt	145	138	127	123	146	138	130	125
	Lumens	4,874	5,979	7,399	8,117	9,528	11,684	14,461	15,863
SL2	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3	B3-U0-G3
	Lumens per Watt	143	136	125	121	144	136	128	123
	Lumens	4,976	6,104	7,555	8,287	9,727	11,927	14,763	16,194
SL3	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3
	Lumens per Watt	146	139	128	124	147	139	131	126
	Lumens	4,729	5,799	7,178	7,873	9,239	11,333	14,025	15,387
SL4	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4
	Lumens per Watt	139	132	122	118	140	132	124	119
	Lumens	5,134	6,296	7,793	8,547	10,033	12,303	15,226	16,704
5NQ	BUG Rating	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2
	Lumens per Watt	151	143	132	128	152	143	135	129
	Lumens	5,228	6,412	7,935	8,705	10,216	12,529	15,508	17,011
5MQ	BUG Rating	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2
	Lumens per Watt	154	146	134	130	155	146	137	132
	Lumens	5,242	6,428	7,956	8,728	10,244	12,563	15,548	17,056
5WQ	BUG Rating	B3-U0-G1	B3-U0-G2	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2
	Lumens per Watt	154	146	135	130	155	146	138	132
	Lumens	4,373	5,365	6,640	7,283	8,547	10,481	12,973	14,231
SLL/SLR	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3
	Lumens per Watt	129	122	113	109	130	122	115	110
	Lumens	5,087	6,238	7,721	8,472	9,941	12,190	15,088	16,553
RW	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2
	Lumens per Watt	150	142	131	126	151	142	134	128
	1 .	I	L	l	I	l	I	l	<u> </u>

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



### 3000K CCT, 80 CRI

3000K CCT	, 80 CRI								
Number of	Light Squares		1	I			1	2	
Drive Curre	nt	615mA	800mA	1050mA	1.2A	615mA	800mA	1050mA	1.2A
Nominal Po	ower (Watts)	34	44	59	67	66	86	113	129
Input Current @ 120V (A)		0.30	0.39	0.51	0.58	0.58	0.77	1.02	1.16
Input Current @ 208V (A)		0.17	0.22	0.29	0.33	0.34	0.44	0.56	0.63
Input Current @ 240V (A)		0.15	0.19	0.26	0.29	0.30	0.38	0.48	0.55
Input Curre	nt @ 277V (A)	0.14	0.17	0.23	0.25	0.28	0.36	0.42	0.48
Input Curre	nt @ 347V (A)	0.11	0.15	0.17	0.20	0.19	0.24	0.32	0.39
Input Curre	nt @ 480V (A)	0.08	0.11	0.14	0.15	0.15	0.18	0.24	0.30
Optics					1	1			
	Lumens	3,880	4,759	5,890	6,461	7,583	9,300	11,510	12,628
Т2	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3
	Lumens per Watt	114	108	100	96	115	108	102	98
	Lumens	3,956	4,851	6,004	6,586	7,731	9,479	11,732	12,870
тз	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2
	Lumens per Watt	116	110	102	98	117	110	104	100
	Lumens	3,980	4,879	6,038	6,625	7,774	9,534	11,800	12,945
T4FT	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3
	Lumens per Watt	117	111	102	99	118	111	104	100
	Lumens	3,927	4,816	5,961	6,539	7,675	9,411	11,648	12,778
T4W	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3
	Lumens per Watt	116	109	101	98	116	109	103	99
	Lumens	3,873	4,751	5,880	6,450	7,571	9,285	11,491	12,605
SL2	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3
011	Lumens per Watt	114	108	100	96	115	108	102	98
	Lumens	3,954	4,851	6,004	6,585	7,729	9,478	11,731	12,868
SL3	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3
313	Lumens per Watt	116	110	102	98	117	110	104	100
	-								
	Lumens	3,758	4,608	5,704 B1-U0-G2	6,256	7,342	9,006	11,145	12,227
SL4	BUG Rating	B1-U0-G2	B1-U0-G2		B1-U0-G3	B1-U0-G3	B1-U0-G3	B1-U0-G3 99	B1-U0-G3
	Lumens per Watt	111	105	97	93	111	105		95
5110	Lumens	4,080	5,003	6,193	6,792	7,973	9,776	12,099	13,274
5NQ	BUG Rating	B2-U0-G0	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2
	Lumens per Watt	120	114	105	101	121	114	107	103
	Lumens	4,154	5,095	6,305	6,917	8,118	9,956	12,323	13,518
5MQ	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2
	Lumens per Watt	122	116	107	103	123	116	109	105
5WQ	Lumens	4,166	5,108	6,322	6,936	8,140	9,983	12,355	13,553
	BUG Rating	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2
	Lumens per Watt	123	116	107	104	123	116	109	105
	Lumens	3,475	4,263	5,276	5,787	6,792	8,329	10,309	11,309
SLL/SLR	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G3	B2-U0-G3
	Lumens per Watt	102	97	89	86	103	97	91	88
	Lumens	4,042	4,957	6,135	6,732	7,900	9,687	11,990	13,154
RW	BUG Rating	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2

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



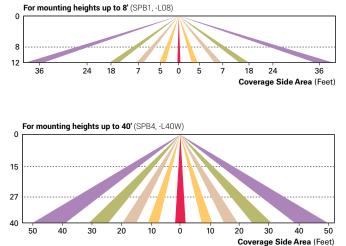
## **Control Options**

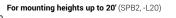
0-10V This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

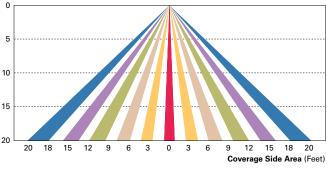
Photocontrol (BPC, PR, and PR7) Optional button-type photocontrol (BPC) and photocontrol receptacles (PR and PR7) provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PR7 receptacle.

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.

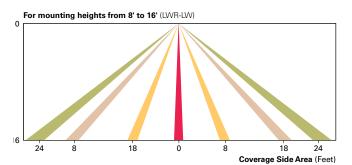
**Dimming Occupancy Sensor** (SPB, MS/DIM-LXX and MS-LXX) These sensors are factory installed in the luminaire housing. When the SPB or MS/DIM sensor options are selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MS-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity. SPB motion sensors require the Sensor Configuration mobile application by Wattstopper to change factory default dimming level, time delay, sensitivity and other parameters. Available for iOS and Android devices. The SPB sensor is factory preset to dim down to approximately 10% power with a time delay of five minutes. The MS/DIM occupancy sensors require the FSIR-100 programming tool to adjust factory defaults.

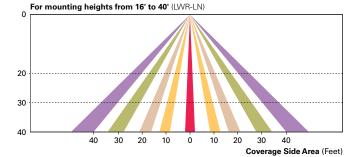






Enlighted Wireless Control and Monitoring System (LWR-LW and LWR-LN) The Enlighted control system is a connected lighting solution, combining LED luminaires with an integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes while collecting valuable data about building performance and use. Software applications utilizing energy dashboards maximize data inputs to help optimize the use of other resources beyond lighting.





WaveLinx Wireless Outdoor Lighting Control Module (WOLC-7P-10A) The 7-pin wireless outdoor lighting control module enables WaveLinx to control outdoor area, site and flood lighting. WaveLinx controls outdoor lighting using schedules to provide ON, OFF and dimming controls based on astronomic or time schedules based on a 7 day week.



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Specifications and dimensions subject to change without notice.