



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

Planning Commission Staff Report

Project Type: Site Development Section Plan

Meeting Date: August 22, 2016

From: Justin Wyse

Senior Planner

CC: Aimee Nassif, Planning & Development Services Director

Location: 641 Spirit Valley Central Dr.

Applicant: Spirit Valley Development, LLC

Description: Spirit Valley Business Park, Adjusted Lot 4: A Site Development Section

Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for a 3.492 acre tract of land zoned "PI" Planned Industrial District located on the west side of Spirit Valley Central

Dr. and north of Spirit Valley West Dr.

PROPOSAL SUMMARY

The request is for construction of a 35,000 square foot multi-tenant building for office and warehouse users. The proposed building will be constructed of tilt-up concrete with spandrel glass accent features and steel eyebrows above the windows.

ZONING HISTORY OF SUBJECT SITE

The subject site was originally zoned "NU" Non-Urban District by St. Louis County in 1965 prior to the incorporation of the City of Chesterfield. The site was then rezoned from "NU" Non-Urban District to "PI" Planned



Figure 1: Aerial Photo

Industrial District in June of 2007 under terms and conditions of the City of Chesterfield Ordinance 2373. The ordinance has been amended twice to allow for additional permitted uses.

Land Use and Zoning of Surrounding Properties:

Direction	Land Use	Zoning
North	Vacant	PI – Planned Industrial District
East	Office / Warehouse (Chesterfield Fence)	PI – Planned Industrial District
South	Warehouse (The Place)	PI – Planned Industrial District
West	Vacant (Phase II of Spirit Valley)	PI – Planned Industrial District

STAFF ANALYSIS

Parking

Parking requirements are provided for both office and warehouse portions of the proposed buildings. The table below outlines the minimum, maximum, and proposed parking.

Min Parking Requirement			Future Parking
56 spaces	91 spaces	65 spaces	81 spaces

All building users are not known at this time, so interior allocation of office and warehouse use may change over time. In order to accommodate this, the applicant has shown an area of 16 additional parking spaces that can be added in the future if necessary to accommodate changes in the tenant mix.

Landscaping

The landscaping design is similar in design to adjacent buildings within Spirit Valley Business Park. Street trees are proposed along the eastern and southern frontages of the property and landscape islands with additional landscaping are also included. Various trees and shrubs are proposed in front of the building to highlight and soften architectural features proposed. Finally, a bio-retention area is proposed on the western property line that abuts Phase II of Spirit Valley Business Park (currently undeveloped).

Open space for the site is proposed at 31.41% open space. This percentage includes future addition of parking to ensure that the plans for future needs are accommodated. Without the additional parking being constructed, the site will provide 33.21% open space.

The Architectural Review Board, in reviewing the project, recommended that the northern patio area include the same landscape treatment as the patio on the southern end of the site. The plans have been amended to reflect this change and comply with ARB's recommendation.

Site Circulation and Access

The proposal includes three curbs cuts in compliance with the City's requirements regarding access management standards. The northern and southern curb cuts are designed to allow for safe and effective movement of truck traffic that would utilize the rear loading area of the

building and minimizing turning movements of trucks that could conflict with vehicular access to the site. This northern access also includes a proposed cross access easement that would be shared with the property to the north.

The design seeks to provide movements that allow for easy maneuvering of truck traffic on the site to prevent conflicts between passenger vehicles and trucks. The center curb cut is provided centrally within the building and allows for increased separation of vehicles accessing the site.

Architectural Elevations

The proposed building is thirty-three (33) feet in height, which is similar in height and scale with other existing structures within Spirit Valley Business Park. Concrete tilt-up panels will be used with dark (charcoal) color on vertical projected portals and light (beige) colors on the main portion of the façade. The primary façade is also accented with red colored steel eyebrows and vertical frosted glass sections.

Screening

A trash enclosure is proposed on the rear side of the building, at a location furthest from any public right-of-way. Building materials are proposed to match the materials used on the building, as recommended by the architectural design standards for the City of Chesterfield.

The building includes a raised parapet on all four sides of the building. The Architect's Statement of Design and the site plan all reference that building mechanical equipment will be fully screened by the raised parapet as required by Code.

Several building related utilities are proposed on the southern façade of the building. The landscape plan shows additional landscaping in this are to provide screening for the required utilities. This screening will minimize the public view of an electric transformer adjacent to the building and electric / gas meters on the building.

Lighting

Lighting consists primarily of utilitarian lighting in compliance with the City of Chesterfield's lighting requirements. Proposed street lights will match the standards installed throughout the development. Accent lighting is utilized to highlight building entrances.

COMPREHENSIVE PLAN

The City of Chesterfield Comprehensive Plan Land Use Map delineates the property as Low Intensity Industrial, which permits manufacturing and assembly, as well as warehousing and distribution uses.



RECOMMENDATION

Staff has reviewed the Site Development Section Plan, Landscape Plan, Lighting Plan, Statement of Design, and Amended Architectural Elevations and the proposed project complies with the UDC requirements. The project was reviewed by the Architectural Review Board and received a recommendation for approval with the condition that the northern patio receive the same landscaping treatment as the southern patio. This change has been made. Staff recommends approval of the proposed Site Development Section Plan, Landscape Plan, Lighting Plan, Architect's Statement of Design, and Amended Architectural Elevations as all City Code requirements have been satisfied.

MOTION

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

- 1) "I move to approve (or deny) the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations, and Architect's Statement of Design for Spirit Valley Business Park, Lot 4 as presented.
- 2) "I move to approve the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations, and Architect's Statement of Design for Spirit Valley Business Park, Lot 4 with the following conditions (Conditions may be added, eliminated, altered or modified):

cc: Aimee Nassif, Planning and Development Services Director

4 | P a g e

Planning Commission August 22, 2016 Spirit Valley Business Park, Lot 4 Site Development Section Plan

Attachments: Site Development Section Plan

Landscape Plan Lighting Plan

Architectural Elevations

Architect's Statement of Design

ADJUSTED LOT 4A OF SPIRIT VALLEY BUSINESS PARK - SITE DEVELOPMENT SECTION PLAN

A TRACT OF LAND BEING PART OF ORIGINAL LOT 4 OF SPIRIT VALLEY BUSINESS PARK AS RECORDED IN PLAT BOOK 356, PAGE 177

TOWNSHIP 45 NORTH, RANGE 3 EAST OF THE 5TH PRINCIPAL MERIDIAN CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI

/ MISSOURI / BOONE BRIDGE **LOCATION MAP**

SITE INFORMATION

= 641 SPIRIT VALLEY CENTRAL DRIVE

= ADJUSTED LOT 4A: 3.492 ACRES

= SPIRIT VALLEY DEVELOPMENT, LLC

CHESTERFIELD, MO 63005

= CITY OF CHESTERFIELD

= 29189C0145K

= MISSOURI RIVER

= ROCKWOOD R-6

= LACLEDE GAS

= MSD

= AMEREN

= ATT

1. BOUNDARY AND TOPOGRAPHICAL SURVEY BY STOCK AND ASSOCIATES CONSULTING

ENGINEERS, INC. (BASIS OF BEARINGS: MISSOURI STATE PLANE, GRID NORTH)

SUBJECT PROPERTY LIES WITHIN FLOOD ZONE "X" (AREAS OF 500-YEAR FLOOD; AREAS

OF 100-YEAR FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE

AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 100-YEAR

FLOOD) ACCORDING TO THE NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE

RATE MAP FOR ST. LOUIS COUNTY, MISSOURI AND INCORPORATED AREAS PER MAP NO.

29189C0145K WITH AN EFFECTIVE DATE OF FEBRUARY 4, 2015 WITH AN ELEVATION OF

ALL UTILITIES SHOWN HAVE BEEN LOCATED BY THE ENGINEER FROM AVAILABLE RECORDS.

RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES, PRIOR TO CONSTRUCTION, TO HAVE

CHESTERFIELD VALLEY MASTER STORM WATER DRAINAGE PLAN AND AS DIRECTED BY THE

ALL GRADING AND DRAINAGE TO BE IN CONFORMANCE WITH THE CITY OF CHESTERFIELD

THIS SITE DEVELOPMENT SECTION PLAN WILL ADHERE TO THE PARKING AND LOADING

THEIR LOCATION SHOULD BE CONSIDERED APPROXIMATE. THE CONTRACTOR HAS THE

EXISTING UTILITIES FIELD LOCATED. SHOULD ANY CONFLICTS BE EVIDENT, THE

5. ALL PROPOSED UTILITIES SHALL BE CONSTRUCTED TO THE CITY OF CHESTERFIELD

7. STORM WATER SHALL BE DISCHARGED AT AN ADEQUATE NATURAL DISCHARGE POINT.

THE MAXIMUM HEIGHT OF BUILDINGS SHALL NOT EXCEED FORTY (40) FEET.

10. NO PARKING SHALL BE PERMITTED ON ANY ROADWAY IN OR ADJACENT TO THE

13. ALL LIGHTING SHALL CONFORM TO THE LIGHTING ORDINANCE OF THE CITY OF

14. PLANS SUBJECT TO CHANGE PENDING AGENCY REVIEWS AND FINAL ENGINEERING.

11. ALL UTILITIES WILL BE INSTALLED UNDERGROUND. THE DEVELOPMENT OF THIS PARCEL

WILL COORDINATE THE INSTAILATION OF ALL UTILITES IN CONJUNCTION WITH THE

12. SIGNAGE IN ACCORDANCE WITH THE REQUIRED SPIRIT VALLEY SIGN PACKAGE SHALL BE

15. ALL UTILITY BOXES, INCLUDING TRANSFORMERS AND METERS, EXCEPT WHEN FLUSH WITH

GROUND, WILL BE SCREENED AS REQUIRED BY CITY OF CHESTERFIELD CODE (APPENDIX A.

DEVELOPMENT AS REQUIRED BY THE SITE SPECIFIC ORDINANCE.

4. ON-SITE STORM WATER DRAINAGE REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE

CONTRACTOR SHALL NOTIFY THE OFFICE OF THE ENGINEER IMMEDIATELY.

= "PI" PLANNED INDUSTRIAL

= MONARCH CHESTERFIELD

= MO. AMERICAN WATER CO.

= CHARTER COMMUNICATIONS

ADDRESS LOT 4

SITE AREA

FLOOD MAP

WATERSHED

FIRE DISTRICT

GAS SERVICE

PHONE SERVICE

WATER SERVICE

CABLE SERVICE

CITY OF CHESTERFIELD AND MSD.

CONSTRUCTION OF ANY ROADWAY.

PROVIDED FOR THIS LOT.

SINKHOLES ARE NOT ADEQUATE DISCHARGE POINTS.

REGULATIONS OF THE CITY OF CHESTERFIELD CODE.

AND MSD STANDARDS.

SEWER DISTRICT

SCHOOL DISTRICT

ELECTRIC SERVICE

OWNER

ZONING

SHEET INDEX

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

TOTAL SITE AREA: 152,123 S.F.

VEHICLE PAVEMENT:

 $[(152,123 - (35,645+68,695)) / 152,123] \times 100 = 31.41\%$

shown on this plan for and in consideration of being granted approval of said plan to develop property under the provisions of section 03.

that say he/she is the_

a corporation in the State of Missouri, and that the seal affixed to the

Notary Public

My commission expires: _____

This Site Development Section Plan was approved by the City of Chesterfield Planning Commission and duly verified on the_____day of_____, of 2016, by the Chairperson of said Commission, authorizing the recording of this Site Development Section Plan pursuant to Chesterfield Ordinance Number 200, as attested to by the Planning and Development Services Director.

> Vickie Hass, City Clerk City of Chesterfield, Missouri

SURVEYOR'S CERTIFICATION

THIS IS TO CERTIFY THAT STOCK AND ASSOCIATES CONSULTING ENGINEERS INC. HAS PREPARED THIS SITE DEVELOPMENT SECTION PLAN FROM A FIELD SURVEY AND DOES NOT REPRESENT A PROPERTY BOUNDARY SURVEY. THIS SITE DEVELOPMENT SECTION PLAN IS A CORRECT REPRESENTATION OF ALL

DANIEL ÆHLMANN, MISSOURI L.S. NO. 2215

OF MISS DANIEL EHLMANN NUMBER PLS-2215

PARKING CALCULATIONS

REQUIRED PARKING:

 $3.3/1,000 \text{ GFA} = 3.3/1,000 \times 7,000 = 23 \text{ SPACES}$ OFFICE: 2 SPACES FOR EVERY 3 EMPLOYEES ON THE MAXIMUM SHIFT (50 EMPLOYEES = 33 SPACES)

TOTAL PERMITTED (MINIMUM): 56 SPACES (MAXIMUM)

OFFICE: $4.5/1,000 \text{ GFA} = 4.5/1,000 \times 7,000 = 31 \text{ SPACES}$ WAREHOUSE: 1.2 SPACES PER EMPLOYEE ON THE MAXIMUM SHIFT (50 EMPLOYEES = 60 SPACES)

TOTAL PERMITTED:

65 SPACES (3 ACCESSIBLE) - 16 FUTURE SPACES TOTAL PROVIDED:

10x40 LOADING SPACE (2) REQUIRED LOADING: 10x25 LOADING SPACE (2)

TOTAL REQUIRED: 7 SPACE

68,695 S.F.

PERCENT OPENSPACE:

OPENSPACE CALCULATIONS

— of City of Chesterfield Unified Development

Code, do hereby agree and declare that said property from the date of recording this plan shall be developed only as shown thereon, unless said plan is amended by the City of Chesterfield, or voided or vacated by order of ordinance of the City of Chesterfield Council.

(Name Typed):

STATE OF MISSOURI COUNTY OF ST. LOUIS)

_____, A.D., 2016, before me personally appeared

to me known, who, being by me duly sworn in, did say

(Name of Corporation)

foregoing instruments is the corporate seal of said corporation, and that said instrument was signed on behalf of said corporation by authority of its Board of Directors, and the

acknowledged said instrument to be the free act and deed of said corporation. IN WITNESS WHEREOF, I have signed and sealed the foregoing

Print Name

the day and year first above written.

Aimee E. Nassif, AICP Planning and Development Services Director City of Chesterfield, Missouri

GEOTECHNICAL STATEMENT

PSI, INC., at the request of Keystone Construction Company has provided geotechnical services for the project proposed hereon. A geotechnical investigation was conducted during June 2016 for the development proposed hereon. Our findings indicate that the earth—related aspects are suitable for the development proposed pursuant to the geotechnical recommendations set forth in our Geotechnical Report

STOCK AND ASSOCIATES CONSULTING ENGINEERS, INC.

16. ALL ROOF TOP MOUNTED EQUIPMENT SHALL BE SCREENED.

BENCHMARK

SL-40: BRASS DISC STAMPED "SL-40, 1990" ON THE NORTH SIDE OF NORTH OUTER 40 RD. ACROSS FROM THE INTERSECTION OF SPIRIT OF ST. LOUIS BOULEVARD. ELEV.=486.55

SITE BENCHMARK

ELEV.=461.90 FND. IRON PIPE AT THE NORTHWEST CORNER OF SITE AS

DHAYES@NAIDESCO.COM

PREPARED FOR: LANDOWNER: SPIRIT VALLEY DEVELOPMENT, LLC 8235 FORSYTH BOULEVARD, SUITE 210 ST. LOUIS, MO 63105 ATTN: DANIEL W. HAYES PHONE: 314-994-4068 FAX: 314-994-4088

LEGEND

+ EX. 120.15

<u>+ 120.10</u>

T.B.R.

DEED BOOK

PLAT BOOK

- RIGHT-OF-WAY WIDTH

RECORD INFORMATION

NOW OR FORMERLY

PAGE

FEET

FOUND

SQUARE

CLEANOUT

MANHOLE

AREA INLET

CURB INLET

GRATE INLET

YARD DRAIN

CLAY PIPE

FLOWLINE

TYPICAL

ELEV, EL — ELEVATION

PROP, PR - PROPOSED

EXIST, EX — EXISTING

TAILSTAKE

POLYVINYL CHLORIDE PIPE

CORRUGATED METAL PIPE

- REINFORCED CONCRETE PIPE

BEST MANAGEMENT PRACTICES

STORMWATER POLLUTION PREVENTION PLAN

SQ

CO

VCP

EXISTING CONTOURS

PROPOSED CONTOURS

EXISTING SANITARY SEWERS

PROPOSED SANITARY SEWERS

PROPOSED STORM SEWERS

PROPOSED RIGHT-OF-WAY

EXISTING RIGHT-OF-WAY

NOTES PARKING SPACES

EXISTING SPOT ELEVATION

PROPOSED SPOT ELEVATION

TO BE REMOVED & RELOCATED

CENTERLINE

EASEMENT

SWALE

TO BE REMOVED

BACK OF CURB

FACE OF CURB

GAS MAIN

WATER MAIN

TRASH ENCLOSURE

EXISTING LIGHT STANDARD

UNDERGROUND TELEPHONE

UNDERGROUND TELEPHONE

WATER

- GAS

UE

TBR

FC

TW

BW

PVMT

ASPH

CONC

GRND

FG

TC

SG

ELECTRIC

TELEPHONE

TO BE REMOVED

ADJUST TO GRADE

BACK OF CURB

BOTTOM OF WALL

FINISHED GRADE

FINISHED FLOOR

LOWER LEVEL

TOP OF TURE

SUBGRADE

TOP OF CURB

METHANE GAS

FACE OF CURB

TOP OF WALL

PAVEMENT

ASPHALT

CONCRETE

GROUND

USE IN PLACE

OVERHEAD ELECTRIC

UNDERGROUND ELECTRIC

TBR & R - TO BE REMOVED AND REPLACED FND

ABBREVIATIONS

TO BE USED IN PLACE

EXISTING STORM SEWERS

EXISTING AND PROPOSED LAND DIVISIONS.

Д

ASSOCIATES

Y

STOCK

ALLE

SPIRIT

GEORGE MICHAEL STOCK NUMBER PE-25116

CIVIL ENGINEER
CERTIFICATE OF AUTHORITY

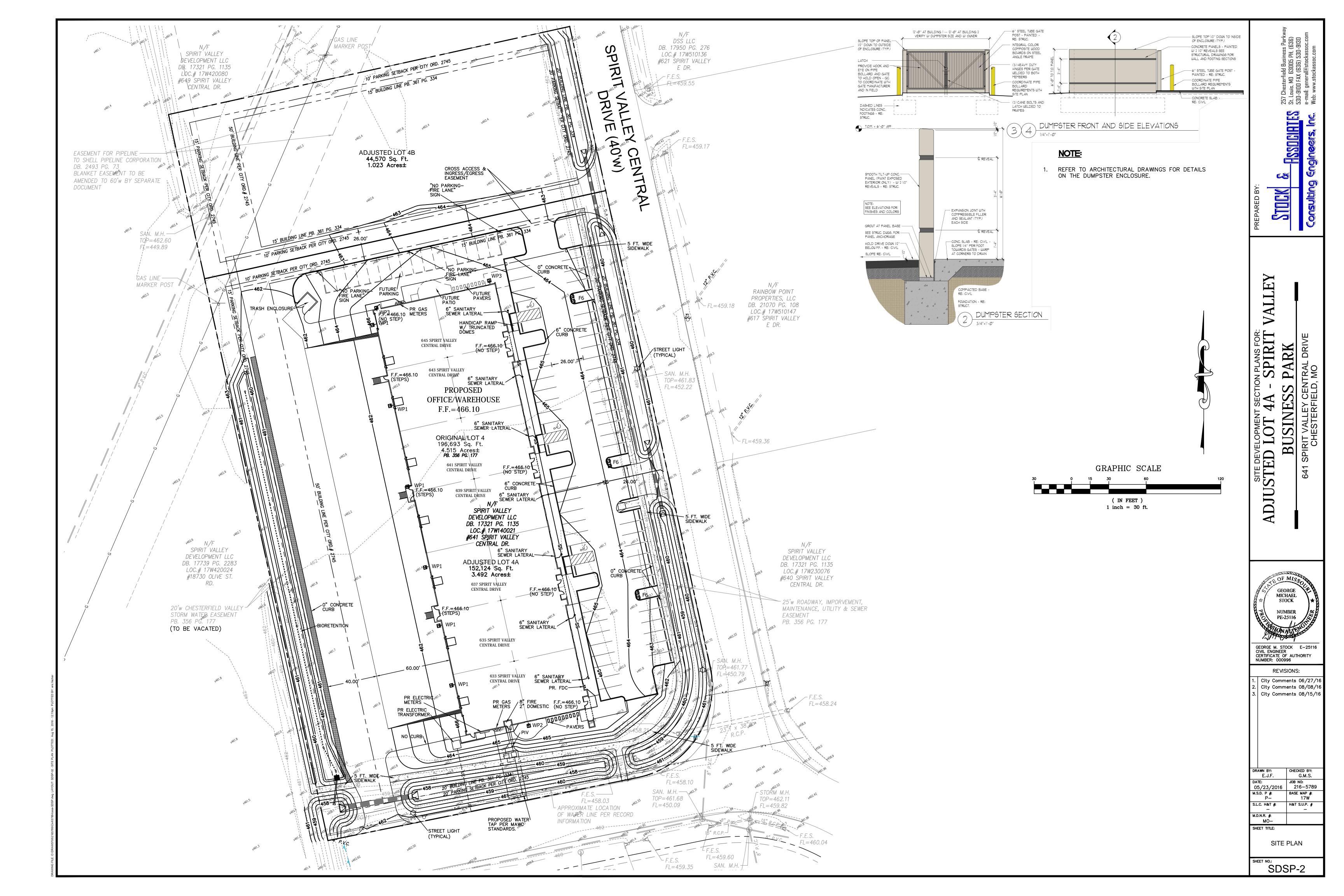
REVISIONS:

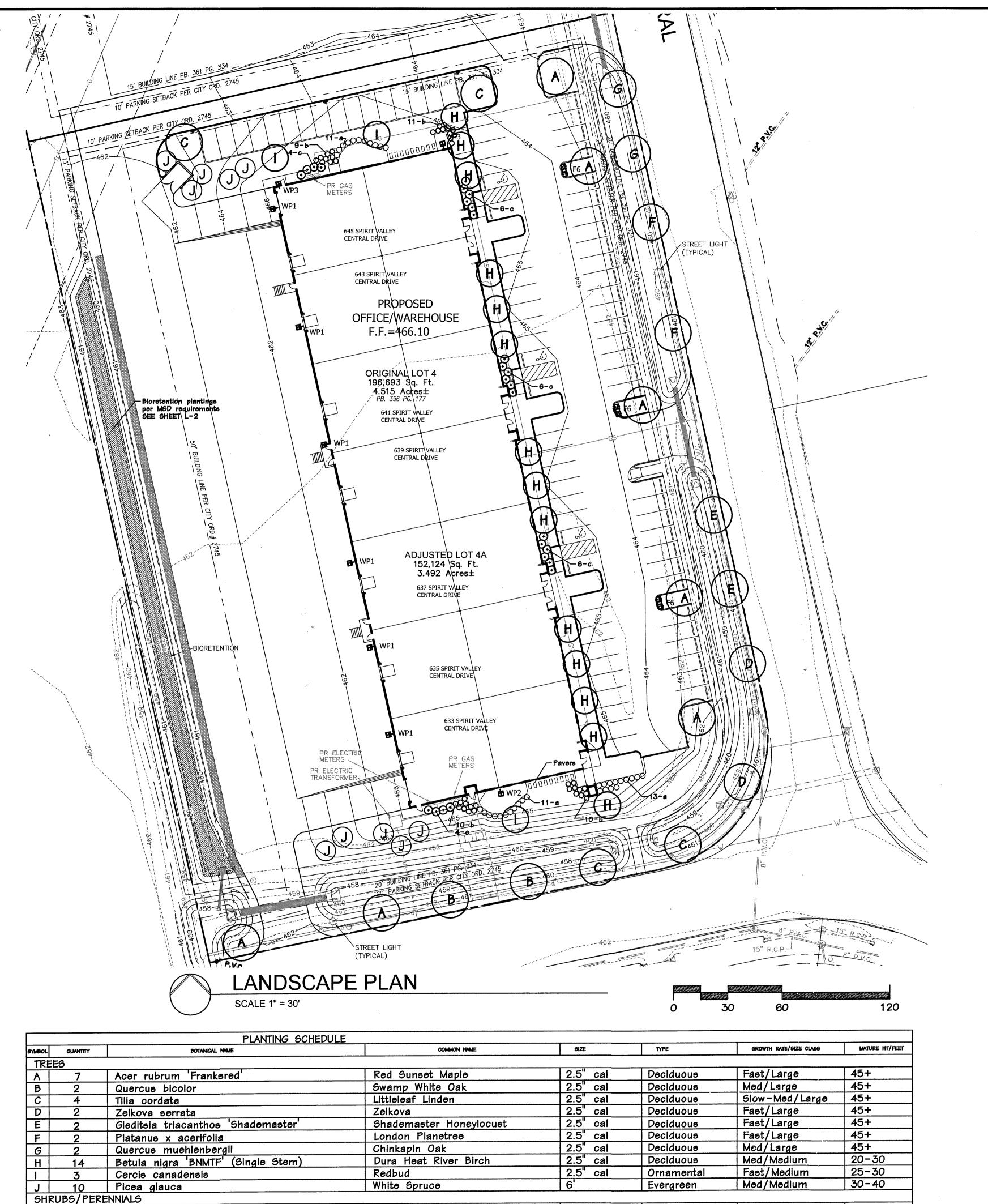
City Comments 06/27 City Comments 08/08/1 | City Comments 08/15/16

> CHECKED BY: E.J.F. G.M.S. 216-5789 05/23/2016 BASE MAP #: S.L.C. H&T #: H&T S.U.P. # 1.D.N.R. #:

TITLE SHEET

SDSP-1





Wintergreen Boxwood

Dwarf Koreanspice Viburnum

Magic Carpet Spirea

Buxus sinica var. Insularis 'Wintergreen'

Spirea japonica 'Magic Carpet'

Viburnum carlesii 'Compactum'

Bioretention plantings

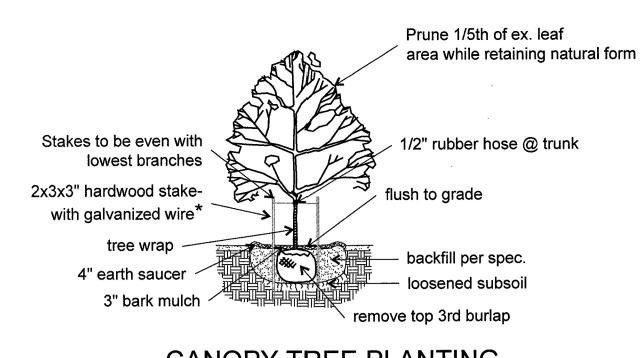
Evergreen

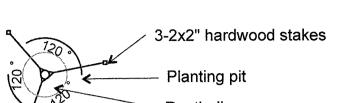
Deciduous

Deciduous

5 gal 5 gal

5 gal

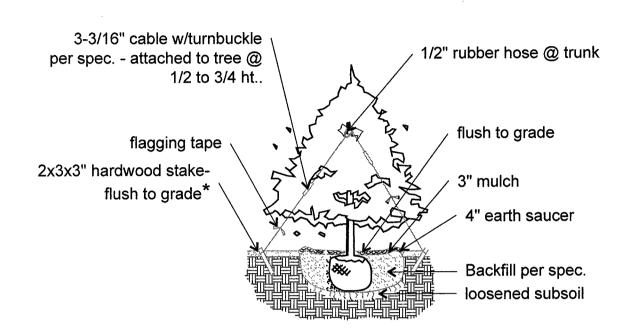




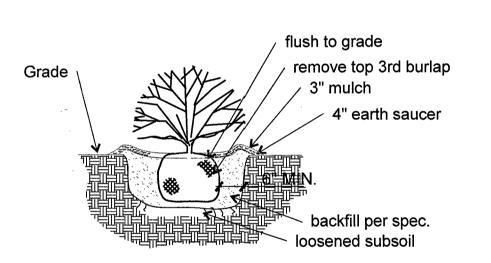
DETAIL PLAN VIEW

CANOPY TREE PLANTING

- * Staking should only be done when:
- Planting in soft, loose soils
- Root balls in sandy soils, or wet clay
- Trees located in an extremely windy location

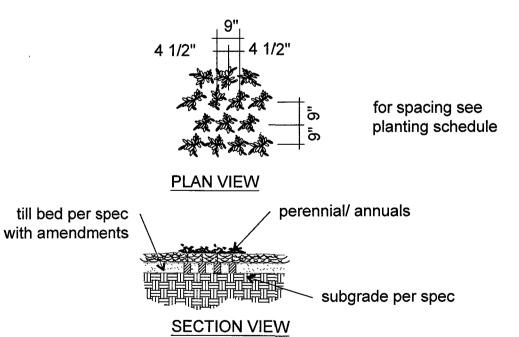


TYPICAL EVERGREEN PLANTING

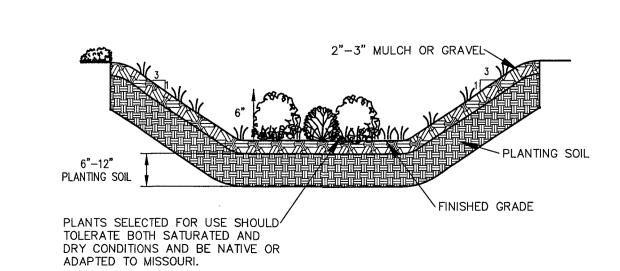


SCARIFY ROOT BALL OF ALL CONTAINER STOCK

TYPICAL SHRUB PLANTING



TYPICAL PERENNIAL PLANTING



Open Space Percentage: 31.41%

BIORETENTION PLANTINGS (n.t.s.)

SAMOEB LA-7 COMMINICAPE ARCHITICAPE ARCHIT
Jerald Saunders Grandscape Architect MO License # LA-007
Consultants:

Adjusted Lot 4A Spirit Valley Business Pa

evisions	S:	
Date -27-16	Description Revised Plan	No.
-8-16	Revised Plan	1 2 3 4
-11-16 -08-16	Revised Plan City Comments	3
-00-10	Oity Comments	
awn: necked:	BR RS	
loomisAssociates	landscapeArchitectsIplanners 707 Spirit 40 Park Drive, Suite 135 Chesterfield, Missouri 63005-1194 (536)519-8668 Fax: (636)519-0797 e-mail: lainfo@loomis-associates.com	Loomis Associates Inc. Missouri State Certificate of Authority #: LAC #000019
neet tle:	Landscape Pla	an
neet o:	L-	

05/20/16

Job #: 687.014

		CHLINE CHLINE	
22-gg			TENTION
39-jj 51-dd		8-kk 26-aa	
51 - dd		13-ьь	
5-aa 50-cc		9-dd 17-dd	
5-aa		32-) b-dd
32- ЬЬ			
25	- hh		25-gg
	58-ff 21-ьь		7-bb 14-bb
	58-ff 21-bb 11-aa	461	6-aa 36-jj
	11-aa 29-dd 15-kk 12-kk		
	59-ee 22-hh		
MATCHLINE	59-ee 22-hh		

WATER AVAILABILITY			WATER REQUIREMENT FIRST 3 WEEKS	WATER REQUIREMENT AFTER 3 WEEKS*	MAXIMUM MULCH DEPTH****
No ability to water after initial planting	Late Feb April only	2.25"x3.75" or larger (plug)	Water each plug immediately after planting		1.5" for plugs
Manual watering with standard sprinkler	Late Feb. – Early June Sept. – October	4.5"x5" (quart) or larger in summer and fall	1" (60 min) every 4 days	1" (60 min) every 7 days until plants established***	1.5" for pluge 2.5" for quarte
Automatic irrigation (set to water more frequently than normal during first two months after planting)	Late Feb Early Oct.	2.25"x3.75" (plug) or larger in epring 4.5"x5" (quart) or larger in eummer and fall	1" (60 min) every 4 days in spring and fall 1" (60 min) every 3 days in summer)	1" (60 min) every 7 days until plants established***	1.5" for pluge 2.5" for quarts

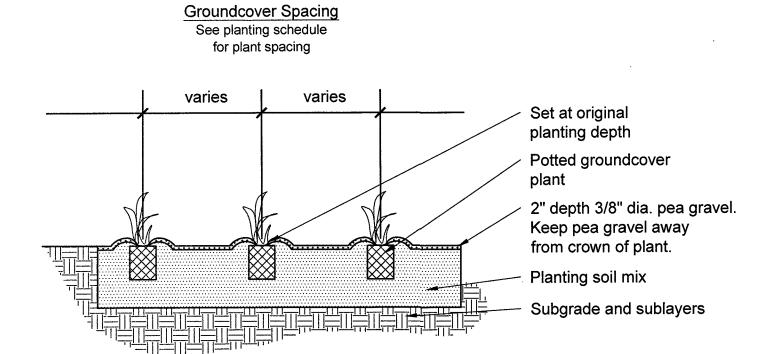
*This water amount includes natural rainfall. If you get a ½ inch of natural rain, then you will need to add a ½ inch of water to meet the 1 inch requirement.

**Requires transport of water to the planting site in large containers and pouring enough water onto each plant (after planting) to moisten the entire planting pit.

***Plants are established when roots have grown out of the container soil and into the native soil by 3-5 inches. This normally takes 3-4 months for most perennials and grasses and up to 6-7 months for trees and shrubs.

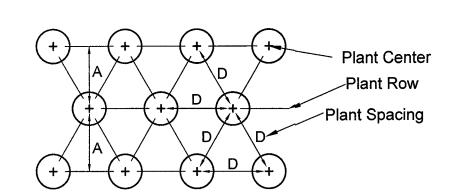
****Shredded leaf compost is recommended for use with perennials and grasses. Shredded bark mulch is recommended for tree

and shrub plantings at a depth of 3 inches.



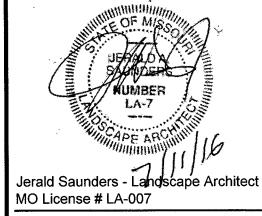
- Remove spent flowers prior to planting.
 Loosen root mass at bottom of rootball.
- 3. Top of rootball stripped of 1/4" surface growing media and covered with 1/4" landscape bed mix plus surface mulch.

BIORETENTION PLANT SPACING SECTION



BIORETENTION PLANT SPACING

BIORETENTION PLANTING SCHEDULE										
MBOL	OL QUANTITY BOTANICAL NAME COMMON NAME SIZE SPACE									
PER	ENNIALS A	AND GRASSES								
aa	65	Ameonia illustrie	Shining Bluestar	38 DCP	36" o.c.					
bb	94	Aster novae-angliae	New England Aster	38 DCP	24" o.c.					
cc	82	Iris virginica	Southern Blueflag Iris	38 DCP	24" o.c.					
dd	134	Rudbeckia fulgida	Orange Coneflower	38 DCP	24" o.c.					
ee	59	Carex shortlana	Short's Sedge	38 DCP	18" o.c.					
ff	58	Carex vulpinoidea	Fox Sedge	38 DCP	18" o.c.					
99	47	Panicum virgatum	Switchgrass	38 DCP	30" o.c.					
hh	47	Schizachyrium scoparium	Little Bluestem	38 DCP	18" o.c.					
11	75	Sporobolus heterolopsis	Prairie Dropseed	38 DCP	18" o.c.					
kk	77	Penetemon digitalis	Beardtongue	38 DCP	24" o.c.					



Consultants:

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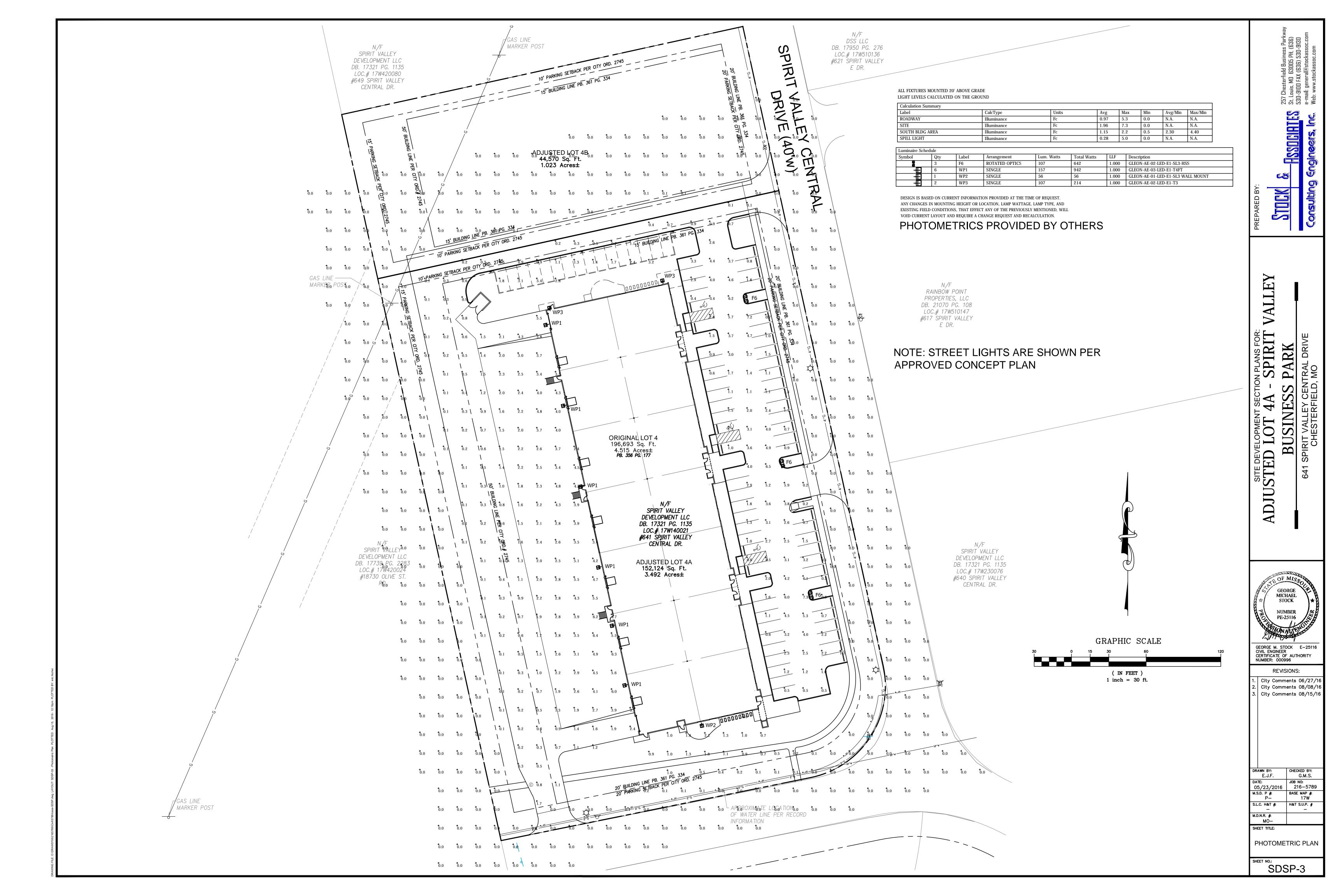
Bioretention Plan

Date: 05/20/16 Job #: 687.014

Sheet Title:

Sheet

Bioretention Plan SCALE 1" = 10'



McGraw-Edison

DESCRIPTION

The Galleon™ LED luminaire delivers exceptional performance in a highly scalable, low-profile design. Patented, high-efficiency AccuLED Optics™ system provides uniform and energy conscious illumination to walkways, parking lots, roadways, building areas and security lighting applications. IP66 rated.

Catalog #		Туре
Outling "		
Project		
Comments		Date
Prepared by		
Trepared by	<u>la de la </u>	

SPECIFICATION FEATURES

Construction

Extruded aluminum driver enclosure thermally isolated from Light Squares for optimal thermal performance. Heavy-wall, diecast aluminum end caps enclose housing and die-cast aluminum heat sinks. A unique, patent pending interlocking housing and heat sink provides scalability with superior structural rigidity. 3G vibration tested. Optional toolless hardware available for ease of entry into electrical chamber. Housing is IP66 rated.

Optics

Choice of 16 patented, highefficiency AccuLED Optics. The optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 275K) CCT and minimum 70 CRI. Optional 6000K CCT and 3000K CCT. For the ultimate level of spill light control, an optional house side shield accessory can be field or factory installed. The

house side shield is designed to seamlessly integrate with the SL2, SL3, SL4 or AFL optics.

Electrical

LED drivers are mounted to removable tray assembly for ease of maintenance. 120-277V 50/60Hz. 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Standard with 0-10V dimming. Shipped standard with Eaton proprietary circuit module designed to withstand 10kV of transient line surge. The Galleon LED luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option. Light Squares are IP66 rated. Greater than 90% lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 530mA and 700mA drive currents.

Mounting

Extruded aluminum arm includes internal bolt guides allowing for easy positioning of fixture during

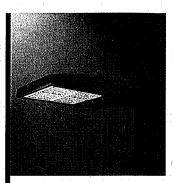
assembly. Designed for pole or wall mounting. When mounting two or more luminaires at 90° or 120° apart, the EA extended arm may be required. Refer to the arm mounting requirement table on page 3. Round pole top adapter included. For wall mounting, specify wall mount bracket option. 3G vibration rated.

Finish

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

Warranty

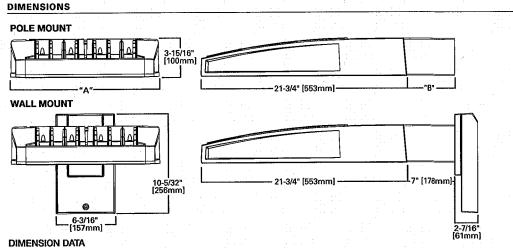
Five-year warranty.



GLEON GALLEON LED

1-10 Light Squares **Solid State LED**

AREA/SITE LUMINAIRE



Number of Light Squares	"A" Width	"B" Standard Arm Length	"B" Optional Arm Length ¹	Weight with Arm (lbs.)	EPA with Arm ² (Sq. Ft.) 0.96	
1-4	15-1/2" (394mm)	7" (178mm)	10" (254mm)	33 (15.0 kgs.)		
5-6	21-5/8" (549mm)	7" (178mm)	10" (254mm)	44 (20.0 kgs.)	1.00	
7-8	27-5/8" (702mm)	7" (178mm)	13" (330mm)	54 (24.5 kgs.)	1.07	
9-10	33-3/4" (857mm)	7" (178mm)	16" (406mm)	63 (28.6 kgs.)	1.12	

NOTES: 1 Extended arm option may be required when mounting two or more fixtures per pole at 90° or 120°. Refer to arm mounting requirement table. 2 EPA calculated with optional arm length.





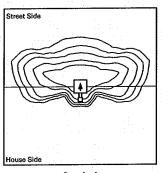
CERTIFICATION DATA

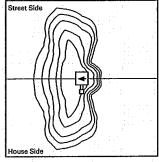
UL/cUL Wet Location Listed ISO 9001 LM79 / LM80 Compliant 3G Vibration Rated IP66 Rated DesignLights Consortium™ Qualified*

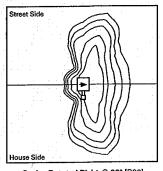
ENERGY DATA

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

OPTIC ORIENTATION







TYPE "N"

3/4" [19mm]

Diameter
Hole

[51mm]

7/8" [22mm]

1-3/4"

[44mm]

(2) 9/16" [14mm]

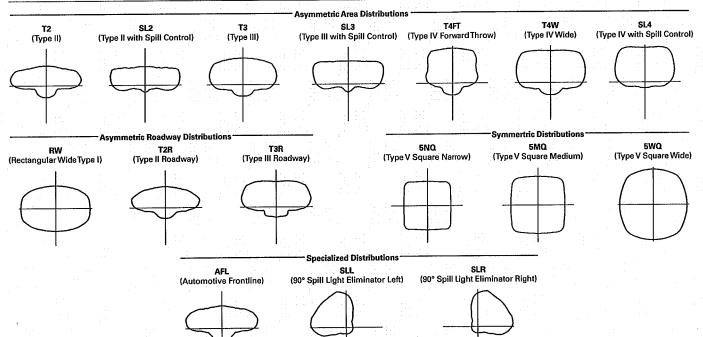
Diameter
Holes

Standard

Optics Rotated Left @ 90° [L90]

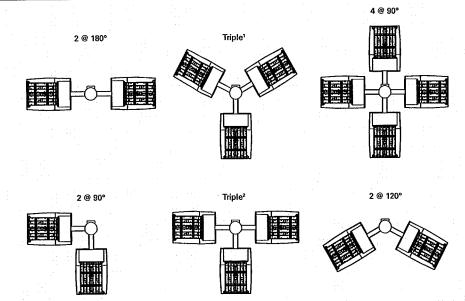
Optics Rotated Right @ 90° [R90]

OPTICAL DISTRIBUTIONS



ARM MOUNTING REQUIREMENTS

Configuration	90° Apart	120° Apart
GLEON-AE-01	7* Arm (Standard)	7" Arm (Standard)
GLEON-AE-02	7" Arm (Standard)	7" Arm (Standard)
GLEON-AE-03	7* Arm (Standard)	7" Arm (Standard)
GLEON-AE-04	7" Arm (Standard)	7" Arm (Standard)
GLEON-AE-05	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AE-06	10* Extended Arm (Required)	7" Arm (Standard)
GLEON-AE-07	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AE-08	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AE-09	16" Extended Arm (Required)	16" Extended Arm (Required)
GLEON-AE-10	16" Extended Arm (Required)	16" Extended Arm (Required)



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

NOMINAL POWER AND LUMENS (1A)

Number of	Light Squares	1	2	3	4	. 5	6	7	8	9	10
Drive Curre		1A	1A	1A	1A	1A	1A	1A	1A	1A	1A
	ower (Watts)	56	107	157	213	264	315	370	421	475	528
<u> </u>	ent @ 120V (A)	0.47	0.90	1.31	1.79	2.21	2.64	3.09	3.51	3.96	4.41
	ent @ 208V (A)	0.28	0.51	0.74	1.02	1.25	1.48	1.76	1.99	2.22	2.50
 	ent @ 240V (A)	0.25	0.45	0.65	0.90	1.10	1.30	1.55	1.75	1.95	2.20
	ent @ 277V (A)	0.23	0.41	0.59	0.82	1.00	1.18	1.41	1.59	1.77	2.00
Optics	J 0 2.1.0 ()		1	1				11.11	: :	1	
Оршоо	Lumens	5,272	10,303	15,373	20,313	25,168	30,118	35,618	40,357	45,018	49,842
T2	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
: .	Lumens	5,597	10,938	16,321	21,565	26,719	31,974	37,813	42,844	47,792	52,914
T2R	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G4	B4-U0-G5
	Lumens	5,374	10,501	15,669	20,704	25,652	30,697	36,303	41,134	45,884	50,802
T3	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
-	Lumens	5,493	10,735	16,017	21,164	26,222	31,379	37,110	42,048	46,904	51,930
T3R	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens	5,405	10,562	15,760	20,824	25,801	30,875	36,514	41,372	46,150	51,096
T4FT	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens	5,335	10,426	15,556	20,555	25,468	30,476	36,042	40,838	45,554	50,436
T4W	BUG Rating	B1-U0-G2	B2-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	5,263	10,285	15,347	20,278	25,124	30,066	35,556	40,288	44,940	49,756
SL2	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens	5,373	10,500	15,667	20,701	25,649	30,693	36,298	41,128	45,878	50,794
SL3	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens	5,105	9,976	14,886	19,669	24,370	29,163	34,488	39,078	43,591	48,262
SL4	BUG Rating	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens	5,542	10,830	16,160	21,352	26,455	31,658	37,439	42,421	47,320	52,392
5NQ	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	85-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4
:	Lumens	5,644	11,029	16,457	21,745	26,942	32,241	38,128	43,202	48,191	53,356
5MQ	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens	5,659	11,059	16,501	21,803	27,014	32,327	38,230	43,317	48,320	53,498
5WQ	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens	4,722	9,227	13,767	18,191	22,539	26,971	31,897	36,141	40,315	44,635
SLL/SLR	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens	5,492	10,732	16,014	21,159	26,216	31,372	37,101	42,038	46,893	51,918
RW	BUG Rating	B2-U0-G1	B3-U0-G1	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
	Lumens	5,512	10,771	16,072	21,236	26,311	31,486	37,236	42,191	47,063	52,107
AFL	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4
	DOG Halling	2. 30-01	1 2, 30 21						•		

^{*} Nominal data for 4000K CCT.

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

Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Theoretical L70 (Hours)
25°C	> 94%	> 350,000
40°C	> 93%	> 250,000
50°C*	> 90%	> 170,000

 ^{50°}C lumen maintenance data applies to 530mA and 700mA drive currents.

NOMINAL POWER AND LUMENS (700MA)

					r : : : : : : : : : : : : : : : : : : :			7	. 8	9	10
	Light Squares	1	2	3	4	5	6	<u> </u>		700mA	700mA
Drive Curre	ent	700mA	700mA	700mA	700mA	700mA	700mA	700mA	700mA		348
 	ower (Watts)	38	72	105	138	176	210	243	276	314	
Input Curre	ent @ 120V (A)	0.32	0.59	0.86	1.14	1.45	1.72	2	2.28	2.58	2.86
Input Curre	ent @ 208V (A)	0.21	0.36	0.51	0.67	0.87	1.02	1.18	1.34	1.53	1.69
Input Curre	ent @ 240V (A)	0.19	0.32	0.45	0.59	0.77	0.90	1.04	1.18	1.35	1.49
Input Curre	ent @ 277V (A)	0.20	0.29	0.40	0.51	0.69	0.80	0.91	1.02	1.20	1,31
Optics			<u> </u>			F - 1 - 1 - 1 - 1		1		I	I
T2	Lumens	3,854	7,531	11,237	14,847	18,395	22,013	26,033	29,497	32,904	36,430
12	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4
T2R	Lumens	4,091	7,995	11,929	15,762	19,529	23,370	27,638	31,316	34,932	38,676
IZN	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
To	Lumens	3,928	7,676	11,453	15,133	18,750	22,437	26,534	30,065	33,537	37,132
T3	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
700	Lumens	4,015	7,846	11,707	15,469	19,166	22,936	27,124	30,733	34,283	37,957
T3R	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens	3,951	7,720	11,519	15,221	18,858	22,567	26,688	30,240	33,732	37,347
T4FT	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens	3,900	7,620	11,370	15,024	18,615	22,276	26,343	29,849	33,296	36,864
T4W	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
1	Lumens	3,847	7,518	11,217	14,821	18,364	21,975	25,988	29,447	32,847	36,368
SL2	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
	Lumens	3,927	7,675	11,451	15,131	18,747	22,434	26,531	30,061	33,533	37,126
SL3	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens	3,731	7,292	10,880	14,376	17,812	21,315	25,208	28,562	31,861	35,275
SL4	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5	B3-U0-G5
	Lumens	4,051	7,916	11,811	15,606	19,336	23,139	27,365	31,006	34,587	38,294
5NQ	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3
	Lumens	4,125	8,062	12,029	15,894	19,692	23,565	27,869	31,577	35,224	38,999
5MQ	BUG Rating	B2-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
*****	Lumens	4,136	8,083	12,061	15,936	19,745	23,628	27,943	31,661	35,318	39,103
5WQ	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens	3,451	6,744	10,063	13,296	16,474	19,714	23,314	26,416	29,467	32,625
SLL/SLR	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens	4,014	7,844	11,704	15,465	19,162	22,930	27,118	30,726	34,274	37,948
RW	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
1.5	Lumens	4,029	7,873	11,747	15,522	19,231	23,014	27,216	30,838	34,399	38,086
AFL	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3

^{*} Nominal data for 4000K CCT.

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

Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Theoretical L70 (Hours)
25°C	> 94%	> 350,000
40°C	> 93%	> 250,000
50°C*	> 90%	> 170,000

^{* 50°}C lumen maintenance data applies to 530mA and 700mA drive currents.

NOMINAL POWER AND LUMENS (530MA)

Number of	Light Squares	1	2	3	4	5	6	7	8	9	10
Drive Curr	ent	530mA									
Nominal P	ower (Watts)	30	54	80	105	130	159	184	209	234	259
Input Cum	ent @ 120V (A)	0.25	0.45	0.66	0.86	1.07	1.32	1.52	1.72	1.93	2.14
Input Cum	ent @ 208V (A)	0.17	0.28	0.39	0.51	0.63	0.78	0.9	1.02	1.14	1.26
Input Curre	ent @ 240V (A)	0.17	0.25	0.35	0.45	0.55	0.70	0.80	0.90	1.00	1.10
Input Curre	ent @ 277V (A)	0.19	0.24	0.32	0.40	0.49	0.64	0.72	0.80	0.89	0.98
Optics											
	Lumens	3,079	6,017	8,978	11,862	14,697	17,588	20,800	23,567	26,289	29,106
T2	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4
	Lumens	3,269	6,388	9,531	12,593	15,603	18,672	22,082	25,020	27,909	30,900
T2R	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4
-:	Lumens	3,138	6,133	9,150	12,091	14,980	17,926	21,200	24,021	26,795	29,667
Т3	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
	Lumens	3,208	6,269	9,354	12,359	15,313	18,325	21,671	24,555	27,390	30,326
T3R	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4
	Lumens	3,156	6,168	9,203	12,161	15,067	18,030	21,323	24,160	26,950	29,839
T4FT	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
T4W	Lumens	3,116	6,088	9,084	12,004	14,872	17,797	21,047	23,848	26,602	29,453
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
	Lumens	3,074	6,006	8,962	11,842	14,672	17,558	20,764	23,527	26,244	29,056
SL2	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
	Lumens	3,138	6,132	9,149	12,089	14,978	17,924	21,197	24,018	26,791	29,662
SL3	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4
	Lumens	2,981	5,826	8,693	11,486	14,231	17,030	20,140	22,820	25,456	28,184
SL4	BUG Rating	B0-U0-G1	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G3	B2-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5
	Lumens	3,236	6,324	9,437	12,469	15,449	18,487	21,863	24,773	27,634	30,595
5NQ	BUG Rating	B1-U0-G0	B2-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2
	Lumens	3,296	6,441	9,610	12,698	15,733	18,828	22,266	25,229	28,142	31,158
5MQ	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G3
	Lumens	3,305	6,458	9,636	12,732	15,775	18,878	22,325	25,296	28,217	31,241
5WQ	BUG Rating	B2-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
	Lumens	2,757	5,388	8,040	10,623	13,162	15,751	18,627	21,105	23,543	26,066
SLL/SLR	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4
	Lumens	3,207	6,267	9,351	12,356	15,309	18,320	21,666	24,549	27,384	30,319
RW ::	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3
	Lumens	3,219	6,290	9,385	12,401	15,365	18,387	21,745	24,638	27,484	30,429
AFL	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3

^{*} Nominal data for 4000K CCT.

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

	1 1	
Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Theoretical L70 (Hours)
25°C	> 94%	> 350,000
40°C	> 93%	> 250,000
50°C*	> 90%	> 170,000

^{* 50°}C lumen maintenance data applies to 530mA and 700mA drive currents.

Product Family Light Eng	ine Number of Light Squares ²	Lamp Type	Voltage Dist	ibution	Color	Mounting
GLEON=Galleon AE=1A D Curre	· · ·	LED=Solid State Light Emitting Diodes	347=347V 3 T2R 480=480V 3.4 T3= T3F T4F T4W 5NIC 5MIC 5MIC 5L1- SL2 SL3 SL4 SL1- SLR	ype II FType II Roadway Ype III FType II Roadway FType III Roadway FType IV Forward Throw FType IV Wide FType V Narrow FType V Square Medium FType V Square Wide FType IV Spill Control FType II w/Spill Control FType IV w/Spill Control FType IV m/Spill Control FType IV m/Spill Control FTYPE II I Jight Eliminator Left FOR Spill Light Eliminator Right Flectangular Wide Type I FAutomotive Frontline	AP=Grey BZ=Bronze BK=Black DP=Derk Platinum GM=Graphite Metallic WH=White	[Blank]=Arm for Round or Square Pole EA=Extended Arm ^s MA=Mast Arm Adapter ^s WM=Wall Mount
Options (Add as Suffix)				Accessories (Order Sep	arately)	Transport in the second
21.—Two Circuits.7.8 7030=70 CRI 3000K.9 8030=80 CRI 3000K.9 7050=70 CRI 5000K.9 700=Drive Current Factory St. 700=Drive Current Factory	to 700mA 11 120, 208, 240 or 277V) Photocontrol Receptacle for Dimming Operation sersor, Maximum 8' Mo ensor, 9' - 20' Mounting sensor, 21' - 40' Mount Sensor, 21' - 40' Mount N/OFF Operation, 9' - 2' N/OFF Operation, 9' - 2' N/OFF Operation, 2' - 2'	, Maximum 8' Mounting, 9' - 20' Mounting Heigl, 21' - 40' Mounting Heigh, 21' - 40' Mounting Heigh, 21' - 40' Mounting Height 13. 14. 15. 16. 12. Height 13. 14. 15. 16. 12. 1 g Height 13. 14. 15. 16. 12. 21 ing Height (Wide Rangemum 8' Mounting Heigh) Mounting Heigh	ht 15, 16, 15, 16, 19 eight (Wide Range) 13, 1 21 2) 13, 14, 15, 16, 20, 21 11 13, 14, 15, 16, 17 15, 16, 18 15, 16, 19 Wide Range) 13, 14, 15, 16, 20	MA1037-XX=2@180° Te MA1198-XX=4@90° Ter MA1189-XX=2@90° Ter MA1190-XX=3@90° Ter MA1191-XX=2@120° Te MA1038-XX=Single Ten MA1039-XX=3@120° Te MA1192-XX=3@120° Te MA1193-XX=4@90° Ter MA1194-XX=2@90° Ter MA1195-XX=3@90° Ter MA1195-XX=3@90° Ter FSIR-100=Wireless Conf GLEON-MT1=Field Insta	tocontrol - 347V rol Shorting Cap poontrol	D. Tenon D. Tenon D. Tenon Tenon Tenon Tenon D. Tenon Tenon D. Tenon D. Tenon D. Tenon

NOTES:

CE=CE Marking 25

- 1. DesignLights Consortium™ Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
 2. Standard 4000K CCT and minimum 70 CRI.

- 1. DesignLights Consortium™ Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.

 2. Standard 4000K CCT and minimum 70 CRI.

 3. Requires the use of a step down transformer when combined with MS/DIM, MS/X or DIMRE.

 4. Only for use with 480V Wye systems. Per NEC, not for use with unprounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).

 5. May be required when two or more luminaires are oriented on a 90° or 120° drilling pattern. Refer to arm mounting requirement table.

 6. Factory installed.

 7. 2L is not varialiable with MS, MS/X or MS/DIM at 347V or 480V. 2L in AE-02 through AE-04 requires a larger housing, normally used for AE-05 or AE-06. Extended arm option may be required when mounting two or more fixtures per pole at 90° or 120°. Refer to arm mounting requirement table.

 8. Not available with LamaWatt wireless sensors.

 9. Extended lead times apply. Use dedicated IES files for 3000K and 6000K when performing layouts. These files are published on the Galleon luminaire product page on the website.

 10. Extended lead times apply. For 8030, actor 7030 IES files. x. 92 (8% lumen loss). For 7050, use 7060 IES files.

 11. 1 Amp standard. Use dedicated IES files for 530mA and 700mA when performing layouts. These files are published on the Galleon luminaire product page on the website.

 12. 50°C lumen maintenance data applies to 5330mA and 700mA when performing layouts. These files are published on the Galleon luminaire product page on the website.

 13. Consult factory for more information.

 14. Utilizes internal step down transformer when 347V or 480V is selected.

 15. The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information.

 16. Not available with house of Light Squares operating in

- Not available with house side shield (HSS).
 Only for use with SL2, SL3, SL4 and AFL distributions. The Light Square trim plate is painted black when the HSS option is selected.
 CE is not available with the DIMRF, MS, MS/X, MS/DIM, P, R or PER7 options. Available in 120-277V only.
 This tool enables adjustment of parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information
 One required for each Light Square.



SPECIFY LAMP/LUMINAIRE TYPE

Code: 66 1030	Lamp type:	Lumens: 960lm	Color CCT: 3000K
66 1031	13W LED	1055lm	4000K
00 1031	1944 LED	10551111	4000K
66 1040	2 x 13W LED	2 x 960lm	3000K
66 1041	2 x 13W LED	2 x 1055lm	4000K
66 1050	3W + 13W LED	110lm + 960lm	3000K
66 1051	3W + 13W LED	120lm + 1055lm	4000K
66 1060	3W + 3W LED	110lm + 110lm	3000K
66 1061	3W + 3W LED	120lm + 120lm	4000K
66 1070	3W LED	110lm	3000K
66 1071	3W LED	120lm	4000K

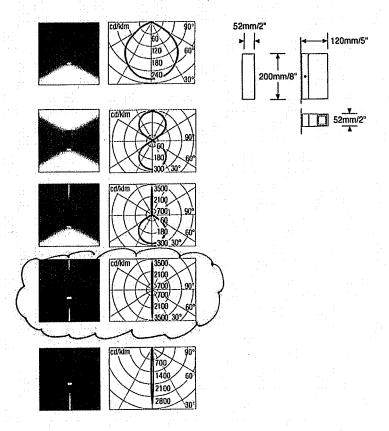
B SPECIFY FINISH

AL Aluminum Gray
GS Graphite Satin

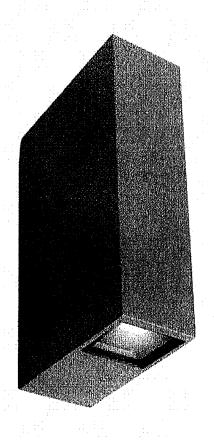
© SPECIFY OPTIONS

DB Dimming 3-6W, 120V only - Trailing Edge.
DB1 Dimming 13W and higher - 0-10V, 10%

Example Specification Code: 66 1030 • GR



BLADE-S TWEB PINTM 705



GENERAL SPECIFICATION

Body and trim: Die-cast aluminum.

Finish: Powder coated, Aluminum Gray or Graphite Satin.

Lens: Tempered safety glass.

Gaskets: Heat resistant silicone.

External screws: 304 stainless steel.

Minimum Starting Temperature: -30°C.

Drivers for white LED: Integral, HPF electronic for 120/277V.

Mechanical: Mounts directly over a 2° x 3° electrical junction box (by others).

Approval: ETL. Wet location, IP65.

DESCRIPTION

The Halo Surface LED Downlight (SLD) incorporates WaveStream™ technology to create an ultra-low profile surface mounting luminaire with the performance and look of a traditional downlight. SLD6-1200 UNV series is designed for installation in many 4" x 2-1/8" deep square junction boxes. Accessory mounting kit allows retrofit in 5" and 6" IC and Non-IC recessed housings.* Suitable for residential or commercial installations. Ideal for closets, storage areas, attics and basements. Compliant with NFPA* 70, NEC* Section 410.16 (A)(3) and 410.16 (C)(5).

	Catalog #		Туре
	Project		
Ī	Comments		Date
Ī	Prepared by		

SPECIFICATION FEATURES

CONSTRUCTION

 Die cast aluminum trim ring, and die formed aluminum frame

OPTICS

- WaveStream[™] technology provides uniform luminance from a low profile flat lens
- AccuAim™ optics provide directional control for the "cone-of-light" beam distribution of a traditional downlight.
- Precision molded lens features high transmission polymer with UV stabilized protecting film

DESIGNER TRIMS

Accessories (sold separately)

SLD designer trims are accessory rings that attach to the SLD for a permanent finish.* Refer to SLD accessories specification sheet for details.

- White (Paintable)
- Satin Nickel
- Tuscan Bronze
- *SLD accessory trims attach with permanent adhesion and are not interchangeable after installation.

ELECTRICAL JUNCTION BOX MOUNTING

- SLD may be used in compatible electrical junction boxes in direct contact with insulation including spray foam insulation
- Suitable for installation in many 4" x 2-1/8" deep square electrical junction boxes.
- Driver consumes 3 cubic inches of junction box.
- Compatible with other junction boxes with accessory SLD6EXT extension spacer ring.
- Surface mounting in a fire-rated ceiling using an appropriate electrical box offers a costeffective alternative to fire-rated recessed housings

Note: Fire-rating is per the rating of the ceiling and applicable

3500K

3500K

junction box, not the SLD.

- Installer must ensure compatibility of fit, wiring and proper mounting in the electrical junction box.
 This includes all applicable national and local electrical and building codes.
- Proprietary Slot-N-Lock quick installation system for junction box installation
- T-bracket with Slot-N-Lock mounting tabs included

OPTIONAL - RECESSED HOUSING MOUNTING

- Accessory SLD6ACCKIT required for mounting in 5" and 6" enclosed recessed housings
- May be installed in IC recessed housings in direct contact with insulation
- * Note: Not for use in recessed housings in direct contact with spray foam insulation. Refer to NEMA LSD 57-2013
- The SLD6 may be used with any 5 or 6 inch diameter recessed housing constructed of steel or aluminum with an internal volume that exceeds 107.9 in³.

LED

- Linear LED arrays are integrated in trim perimeter
- ColorTemperature: 2700K, 3000K, 3500K, 4000K
- CRI options: 80 and 90
- 90 CRI can be used for California Title 24 compliance/ certified to Title 20
- 80 CRI can be used to comply with California Title 24 Non-Residential Lighting Controls as a LED luminaire.

WARRANTY

Refer to ENERGY STAR® Certified Products List. Cen be used to comply with California Title 24 Non-Residential Lighting Controls requirements as a LED Luminaire.

IECC

Refer to ENERGY STAR® Certified Products List. Can be used to comply with California Title 24 High Efficacy requirements. Certified to California Title 20 Appliance Efficiency Database.

Cooper Lighting provides a five year limited warranty on the SLD LED

LED CHROMATICITY

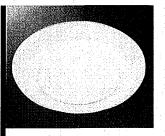
- A tight chromaticity specification ensures LED color uniformity, sustainable Color Rendering Index (CRI) and Correlated ColorTemperature (CCT) over the useful life of the LED
- LED chromaticity of 3 SDCM exceeds ENERGY STAR® color standards per ANSI.
- 90 CRI model features high color performance with R9 greater than 50
- Every Halo LED is quality tested, measured, and serialized in a permanent record to register lumens, wattage, CRI and CCT.
- Halo LED serialized testing and measurement ensures color and lumen consistency on a per-unit basis, and validates long-term product consistency over time

ELECTRICAL CONNECTIONS Junction Box

- Compatible with 4" x 2-1/8" deep square boxes
- Supply Wire Adapter with LED quick connector included
- LED connector is a nonscrewbase luminaire disconnect for tool-less installation

Optional - Recessed Housings

- Accessory SLD6ACCKIT required.
- LED connector is compatible with Halo 5" H550 Series and 6" H750, H2750 Series LED Housings
- LED Connector meets California Title-24 high-efficacy luminaire standard as a non-screw base



SLD6 1200 UNV Series

Universal Voltage SLD6128xxWHUNVJB

80CRI

2700K, 3000K, 3500K, and 4000K

SLD6129xxWHUNVJB

90CRI

2700K, 3000K, 3500K, and 4000K

> 6" Surface LED Downlight

High Lumen 1200 Series Universal Voltage 120V-277V

Suitable for ceiling or wall electrical junction boxes

ENERGY DATA

	80 CRI	90 CR1			
Lumens (4000K models)	1215	1000			
Input Voltage	120V-277V	120V-277V			
Frequency	50/60 Hz	50/60 Hz			
Input Current	0.12 A	0.12 A			
Input Power	14.8 W	14.8 W			
Efficiency (4000K models)					
THD	≤ 20%				
Power Factor	≥ 0.90				
T Ambient	-30 - +40°C				
Sound Rating	Class A				

NOMENCLATURE

SLD<u>612830WH UNV JB</u>

612 = 6" SLD 1200 Series

8 = >80 CRI

30 = 3000K

WH = Matte White

UNV = Universal Voltage 120V-277V

10/22/2015

JB = Junction Box Kit only

EAT-N
Proping Business Wallshide

TD518030EN

SLD6128xxWHUNVJB SLD6129xxWHUNVJB

LED DRIVER

- Driver is a 120V-277V universal voltage input, high efficiency, dimmable electronic power supply providing DC power to the LED arrays
- Driver features high power factor, low THD, and has integral thermal protection in the event of over temperature or internal failure
- Driver is replaceable if it should be required
- If dimming is not required the fixutre may be operated from a switch

DIMMING - PHASE CONTROL

- Designed for continuous dimming capability to nominally 5% with many 120V Leading Edge (LE) and Trailing Edge (TE) Phase Control dimmers. (Dimmers with low end trim adjustment offer greater assurance of achieving 5% level.)
- Consult dimmer manufacturer for compatibility and conditions of use.
 (Note some dimmers require a

DIMMING - 0-10V

neutral in the wallbox.)

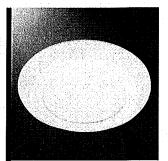
 Dimmable to 10% in typical operation with compatible 0-10V DC low voltage dimmers.

- 0-10V DC dimmers operate using two low voltage dimming wires (color coded violet and gray). The low voltage dimming wires are separate from the 120V AC or 277V AC power.
- Switching on/off is controlled via the line voltage (120V AC or 277V AC) power, and dimming is controlled via the 2-wire 0-10V DC low voltage wiring.

COMPLIANCE

- cULus Listed ceiling and wall
- cULus Damp Location listed ceiling and wall
- cULus Wet Location Listed, ceiling only (shower rated)
- Suitable for use in closets, compliant with NFPA® 70, NEC® Section 410.16 (A)(3) and 410.16 (C)(5)
- SLD may be used in compatible electrical junction boxes in direct contact with insulation including spray foam insulation
- With accessory SLD6ACCKIT, may be installed in IC recessed housings in direct contact with insulation (Not for use in recessed housings in direct contact with spray foam insulation. Refer to NEMA LSD 57-2013)

- EMI/RFI: meets FCC 47CFR Part 15 Class B limits, and is suitable for use in residential and commercial installations
- Airtight certified per ASTM E283 (not exceeding 2.0 CFM under 75 Pascals pressure difference)
- 90 CRI: Can be used to comply with California Title 24 High Efficacy requirements. Certified to California Title 20 Appliance Efficiency Database.
- 80 CRI: Can be used to comply with California Title 24 Non-Residential Lighting Controls requirements as a LED luminaire.
- Can be used for International Energy Conservation Code (IECC) and Washington State Energy Code high efficiency luminaire compliance
- ENERGY STAR® certified luminaire - consult ENERGY STAR® Certified Product List
- Contains no mercury or lead and RoHS compliant.
- Photometric testing in accordance with IES LM-79
- Lumen maintenance projections in accordance with IES LM-80 and TM-21



SLD6 1200 UNV Series

Universal Voltage SLD6128xxWHUNVJB

80CRI

2700K, 3000K, 3500K, and 4000K

SLD6129xxWHUNVJB

90CRI

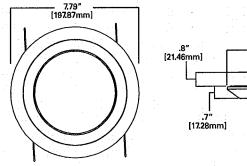
2700K, 3000K, 3500K, and 4000K

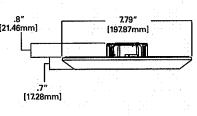
> 6" Surface LED Downlight

High Lumen 1200 Series Universal Voltage 120V-277V

Suitable for ceiling or wall electrical junction boxes

DIMENSIONS





ORDERING INFORMATION

SAMPLE NUMBER: SLD612927WHUNVJB SLD6TRMSN

Junction Box Installation: Order junction box separately, as supplied by others, to complete installation.

Recessed Installation: Order Halo recessed housing separately to complete installation.

(Models)	Color Rendering Index	Color Temperature (CCT)	Fildish	Voltage	Junction/Box
SLD612= 6" Surface LED Downlight, 1200 Series	8=80 CRI 9=90 CRI	27=2700K 30=3000K	WH=White	UNV=Universal Voltage 120V-277V	JB=Junction Box Kit only
		35=3500K 40=4000K			

Accessories

Designer Trims

Fit over the SLD for a designer finish SLD6TRMSN=6" SLD Satin Nickel

SLD6TRMTBZ=6" SLD Tuscan Bronze

SLD6TRMWH=6" SLD White (paintable)

*SLD accessory trims attach with permanent adhesion and are not interchangable after installation

J-Box Spacer Extension Ring

Add 15/16" depth when SLD driver cannot fit into installed junction box

SLD6EXT=6" Surface LED J-Box Extender, 9.5" O.D.

RAD Adapters

When junction box is mounted flat on a ceiling or beam surface (not recessed in ceiling)

SLD6RAD=6" SLD Round Surface J-Box Adapter, 7.92" O.D. (for 4-inch round or octagon junction boxes.)

SLD6SADPLT=6" SLD Square Surface J-Box Adapter Plate (For 4-inch square junction boxes, use with SLD6RAD.)

Hardware Kits

SLD6ACCKIT=6" Accessory Parts Replacement Kit (Screwbase adapter, torsion springs, friction blades) SLD6BRKT=6" Junction Box Bracket & Screws

Refer to SLD Accessories specification sheet for further information.

COMPATIBLE WITH EATON'S CROUSE-HINDS 4" SQUARE JUNCTION BOXES



TP450 for non-metallic cable 4" x 4" x 2-1/8" (102mm x 102mm x 54mm)



TP431† for metal clad cable 4" x 4" x 2-1/8" (102mm x 102mm x 54mm)

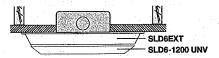
- TP450 for non-metallic cable
- TP431 for metal clad cable
- UL Listed
- Suitable for two-hour fire-rated ANSI/UL 263 when properly installed in a fire-rated ceiling or wall
- Refer to www.crouse-hinds.com

tUL approved for use with aluminum interlocking grounding metal clad cable, Type MCIA (Southwire MCAP™). MCAP™ is a registered trademark of Southwire Company.

COMPATIBLE WITH 4" SQUARE JUNCTION BOXES*



4" square deep steel box 4" x 4" x 2-1/8" (102mm x 102mm x 54mm)



Compatible with other boxes when used with SLD6EXT extension spacer ring.

Surface mounting in a fire-rated ceiling using an appropriate electrical box offers a cost-effective alternative to fire-rated recessed housings.

Note: Fire-rating is per the rating of the ceiling and applicable junction box, not the SLD.

*This is a representative list of compatible junction boxes only. Information contained in this literature about other manufacturers' products is from published information made available by the manufacturer and is deemed to be reliable, but has not been verified. Eaton makes no specific recommendation on product selection and there are no warranties of performance or compatibility implied. Installer must determine that site conditions are suitable to allow proper installation of the SLD mounting bracket in the box.

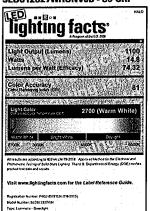
PRODUCT DATA

Cat No.	ORI	CET'	Lumens	Power (W)	LPW
SLD612827WHUNVJB	80	2700	1100	14.8	74
SLD612830WHUNVJB	80	3000	1150	14.8	78
SLD612835WHUNVJB	80	3500	1200	14.8	81
SLD612840WHUNVJB	80	4000	1215	14.8	82
SLD612927WHUNVJB	92	2700	880	14.8	59
SLD612930WHUNVJB	92	3000	925	14.8	63
SLD612935WHUNVJB	92	3500	965	14.8	65
SLD612940WHUNVJB	92	4000	1000	14.8	68

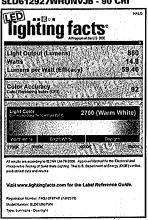
Performance values are presented as typical for the model(s) indicated. Field results may vary.



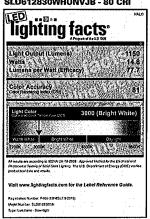
SLD612827WHUNVJB - 80 CRI



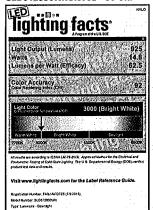
SLD612927WHUNVJB - 90 CRI



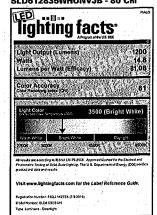
SLD612830WHUNVJB - 80 CRI



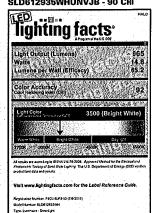
SLD612930WHUNVJB - 90 CRI



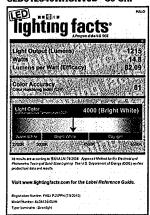
SLD612835WHUNVJB - 80 CRI



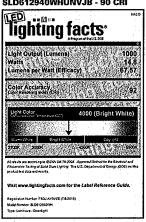
SLD612935WHUNVJB - 90 CRI



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dial architects

14364 Manchester Road Manchester Missouri 63011 636 230 0400

June 14, 2016

City of Chesterfield Department of Planning 690 Chesterfield Parkway West Chesterfield, Missouri 63017-0760

Members of the Architectural Review Board

Re:

Architectural Statement

Submittal for Approval of New Office/Warehouse Condo Facility

Spirit Valley Business Park, Lot-4

General Requirements for Site Design

This project consists of a single-story speculative office/warehouse condominium building designed for multiple tenants. The construction site is located on Spirit Valley Central Drive near Olive Street Road on the far west side of Chesterfield Valley across from Rombach's Pumpkin Farm in the Spirit Valley Business Park.

As you can see from the photos in this packet, the rectangular site is treeless and generally flat other than the drainage ditch and is otherwise featureless. The building is strategically located on the site to be compatible with the existing drainage system for the development while maintaining compatibility with neighboring developments.

The approved concept plan for the entire development shows a 5' wide side walk on the east and south sides of the property to provide pedestrian circulation. While we cannot control future development of neighboring sites, this specific site design forces a shared entrance with a future neighbor on the north side. This concept is key to the park owners desires for this overall development.

We are not proposing the use of fencing nor retaining walls at this time.

Landscaping is designed per city ordinance in a similar fashion to the adjacent developments. Please see attached landscape plan.

General Requirements for Building Design

The owner of this facility, being a long time and current resident of the City of Chesterfield, places a high priority on the appearance of his facility and has played a role in the design of this facility.

The modern front (east) elevation is articulated with towering monolithic dark vertical projected portals designating individual condo entries against a light background with glass, reveals, level changes and large architectural steel eyebrows with oversized contrasting nuts. The eyebrows and windows create rhythmically pleasing patterns accented with colors and opposing shapes to add depth and a sense of place. The recessed vertical frosted glass elements further divide up the light expanse between the entry portals encouraging one to explore the building further.

The building will utilize modern dark and light colors, rectangular windows with a boldly colored steel eyebrow, frosted glass vertical separators. The colors, glass and metal items are juxtaposed on the façades of the building to create a quality overall building design. These include a main building color of a warm light beige with a dark warm charcoal accent color.

The north and south sides of this building are treated in a similar fashion as the east and the working west side has high horizontal windows to provide natural light into the warehouse areas and a parapet with scuppers for drainage to conceal the flat sloped roof. The building materials are the same as all of the other buildings in this park, but are being used in more modern design way to deliver an aesthetically pleasing solution. A special elastomeric coating designed specifically for concrete will protect the concrete panels.

The windows for this project, in keeping with its strong design theme, are large fixed energy compliant windows. We have used the glass as an effective design element in the elevational articulation.

The design is respectful of the surrounding development in general and is harmonious in scale, material, and color. Nearby buildings are also constructed of tilt-up concrete and/or earth tone colors and materials similar to ours. Signage will be applied to the building in a similar fashion as adjacent buildings.

Site lighting is planned to be three light standards in the front of the building along Spirit Valley Central Drive with wall-mounted, shoebox type fixtures on the west and north elevations of the building that will not shine off of the property in an unnecessary fashion and lighting accenting the building entries.

Please see the site development section plan for drainage information.

The proposed HVAC system is planned to be roof mounted and fully screened by the building parapets.

Specific Requirements for the Chesterfield Valley

As stated above we encompass the building with reveals and colors for continuity while highlighting the visible front with glass. The trash receptacle will be screened from public view with tilt-up concrete to coordinate with the building.

The electrical service will be provided by a new transformer and has yet to be located. All utilities to this building are underground.

I-64/US-40 is to the north of this property and is not readily visible from the property. Automobile parking is east of the building and the service/loading area is on the west side of the building.

Street lighting is included in this project to match the existing industrial park street lighting and is located to the east of the building along Spirit Valley Central Drive.

It remains our intention to provide a design that will enhance the local environment while blending with the building types already in Wings Corporate Estates. The owner is excited about providing a new quality designed facility for the City of Chesterfield.

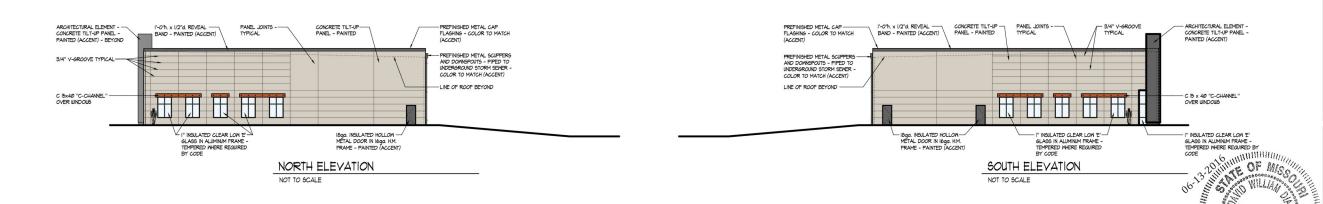
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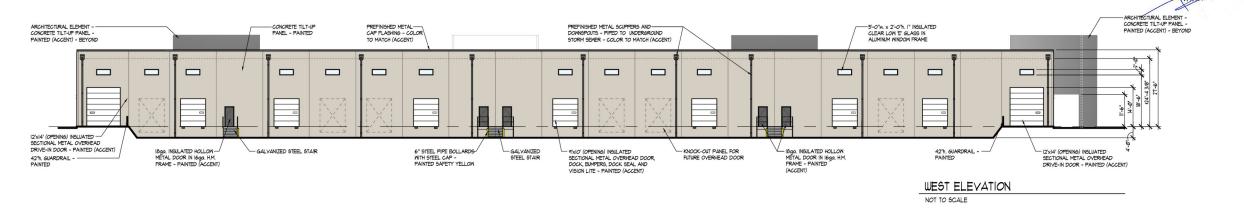
As required, building materials will be brought to the ARB meeting and will include:

- Glass and frame samples
- Color samples of the concrete coatings

End of Architects Statement









SPIRIT VALLEY BUSINESS PARK LOT 4 - 641 SPIRIT VALLEY CENTRAL DRIVE CHESTERFIELD, MISSOURI 63005

NEW BUILDING DESIGN FOR

NUMBER A-7331

SAED MY

NOT TO SCALE

PRELIMINARY DESIGN:
PRELIMINARY DESIGN:
CITY SUBMITTAL:

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05-24-16 05-31-16 06-14-16

STATE OF MISSOURI REGISTERED ARCHITECT: DAVID WILLIAM DIAL — LICENSE NUMBER A-7331 DAVID W. DIAL ARCHITECTS, P.C. ARCHITECTURAL CORPORATION #2000149091

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SHEET NUMBER

BUILDING ELEVATIONS

PROJECT NUMBER: 16070 DATE: 06-14-16

