



III.A.

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

Architectural Review Board Staff Report

Project Type: Site Development Section Plan

Meeting Date: October 10, 2013

From: Purvi Patel
Project Planner

Cc: Aimee Nassif, Planning & Development Services Director

Location: Spirit Valley East Dr., south of Olive Street Rd.

Applicant: Dial Architects, on behalf of Oaktree Products, Inc.

Description: **Spirit Valley Business Park, Lot 9A:** A Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and an Architect's Statement of Design for a 1.48 acre tract of land zoned "PI" Planned Industrial District located on the east side of Spirit Valley East Drive, south of Olive Street Road.

PROPOSAL SUMMARY

The request is for a 17,400 square foot office / warehouse building located on the eastern perimeter of the Spirit Valley Business Park development. The subject site is zoned "PI" Planned Industrial District and is governed under the terms and conditions of City of Chesterfield Ordinance 2745. The exterior building materials will be comprised of tilt-up concrete and glass. The proposal includes a TPO roof with parapets.

HISTORY OF SUBJECT SITE

On June 18th, 2007, the City of Chesterfield approved Ordinance 2373, which zoned the subject site from a "NU" Non-Urban District to a "PI" Planned Industrial District. This ordinance has been amended twice (2008 and 2013) to amend the uses permitted within the development and the site is currently governed under the terms and conditions of the City of Chesterfield Ordinance 2745.

A Site Development Concept Plan, approved by the City of Chesterfield on October 2, 2007, included 16 lots served by a loop road and providing a connection to the west for an eventual second phase of the development. An Amended Site Development Concept Plan was approved by the Planning Commission on September 30, 2013 to allow for 6 additional lots, bringing the total number of lots to 22.

Furthermore, a Boundary Adjustment Plat was approved on May 7th, 2012 by City Council to modify the lot lines between lots 9 and 10. Additionally, there is currently a Lot Split Plat under review with the Planning and Development Services Division to subdivide Lot 9 into Lot 9A and Lot 9B.



STAFF ANALYSIS

General Requirements for Site Design:

A. Site Relationships

The subject site is adjacent to other lots in the Spirit Valley Business Park development to the north (developed as MMLD Properties), south (vacant) and west (vacant). The parcel to the east is part of the Spirit of St. Louis Airpark development and contains an asphalt plant. The proposed building uses similar materials and design as other buildings constructed in the area.

B. Circulation System and Access

The site proposes one access point off Spirit Valley East Drive which will serve as a shared access drive for Lot 9A and Lot 9B. The plan also depicts a five foot wide sidewalk along the frontage of the site that connects to the existing sidewalk along the frontage of Lot 10. This sidewalk will ultimately be tied into the property to the south and so on to provide a continuous sidewalk throughout the development.

C. Topography

The existing grade of the property is flat. Minimal changes to the existing topography are planned.

D. Retaining Walls

No retaining walls are proposed on the site.

General Requirements for Building Design:

A. Scale

The applicant is proposing a building of similar height and size as the adjacent structures. The design includes a single-story office / warehouse building similar to adjacent properties. Additionally, elements such as large windows, reveals, and a covered recessed entry are proposed to provide a sense of human scale.

B. Design

The proposed development of Lot 9A is similar to other nearby buildings in both materials and design. The site proposes to utilize a shared drive with Lot 9B which will serve both the parking lot on the front of the site and the loading areas on the southern portion of the building.

There is a rain garden proposed on the northern and part of the eastern perimeters of the site. There is a large portion of the eastern perimeter of the site located within a variable width Chesterfield Valley Storm Water easement which does not allow any plantings or structures; therefore, the applicant has left that area as open space.

C. Materials and Color

As mentioned previously, the building will be primarily comprised of tilt-up concrete panels. The front of the building is articulated with glass (gray tinted), reveals, and different paint colors (two earth tone colors). The material colors proposed match the earth tone color palette of the surrounding structures.

D. Landscape Design and Screening

The proposal includes landscaping required by the City of Chesterfield Tree Preservation and Landscape Requirements Ordinance. Additionally, the proposed landscaping is similar to the adjacent properties.

The dumpster will be screened by a 6' tall enclosure which matches the fiber cement siding of the building. The rooftop units will be screened by the proposed parapets.

E. Signage

Signage is not part of the proposal before Architectural Review Board and will be reviewed by Staff.

F. Lighting

The plan proposes two light standards in the parking lot along Spirit Valley East Drive and five wall-mounted, shoebox type fixtures on the west and south elevations of the building. All the proposed fixtures are fully shielded, full cut off optics and adhere to the City of Chesterfield Lighting Ordinance.

Use Type: Commercial and Industrial Architecture

Access: The trash enclosure is located near the rear of the site away from the parking area and screened from Spirit Valley East Drive.

Exterior Elements: Addressed above in the *Requirements for Building Design*.

Landscaping and Screening: Roof top equipment shall be screened by parapets.

Scale: Addressed above in the *Requirements for Building Design*.

Site Design: See *Section C. Materials and Colors* and *Section D. Landscape Design and Screening* for more information.

Specific Requirements for the Chesterfield Valley

Facades: The proposed building includes gray tinted glass windows on the north, south and west elevations and the remainder of the building is tilt-up concrete. The use of two colors is consistent on all four facades.

Storage: There are no outdoor storage areas noted on the Site Development Section Plan.

Utilities: All utilities to the building will be installed underground.

Parking: Parking is proposed on the front of the building, with loading areas located in the rear; both of which are located off a shared drive with Lot 9B.

DEPARTMENTAL INPUT

Staff has reviewed the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design. Comment letters have been sent to the applicant regarding Staff issues.

Staff requests action on the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for Spirit Valley Business Park, Lot 9A.

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 Spirit Valley Business Park, Lot 9A, 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 Spirit Valley Business Park, Lot 9A, to the Planning Commission with the following recommendations..."

Attachments

1. Architectural Review Packet Submittal

Oaktree Products, Inc.

*Spirit Valley Business Park
610 Spirit Valley East Drive
Chesterfield, Missouri*

September 26, 2013



Owner:

Oaktree Products, Inc.

Architect:

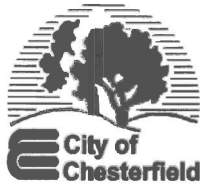
David W. Dial Architects, P.C.

General Contractor:

Keystone Construction Company

Civil Engineer:

**Stock & Associates Consulting
Engineers, Inc.**



ARCHITECTURAL REVIEW BOARD
Project Statistics and Checklist

Date of First Comment Letter Received from the City of Chesterfield _____

Project Title: OAKTREE PRODUCTS, INC. Location: SPIRIT VALLEY BUSINESS PARK 9-A

Developer: OAKTREE Architect: DIAL ARCHITECTS Engineer: STOCK & ASSOCIATES

PROJECT STATISTICS:

Size of site (in acres): 1/2 1.48 AC Total Square Footage: 1/2 17,400 Building Height: 1/2 28'-11"

Proposed Usage: OFFICE / WAREHOUSE

Exterior Building Materials: TILT-UP CONCRETE, GLASS

Roof Material & Design: TPO 1/4" FOOT SLOPE TO SCUPPERS & DOWNSPOUTS

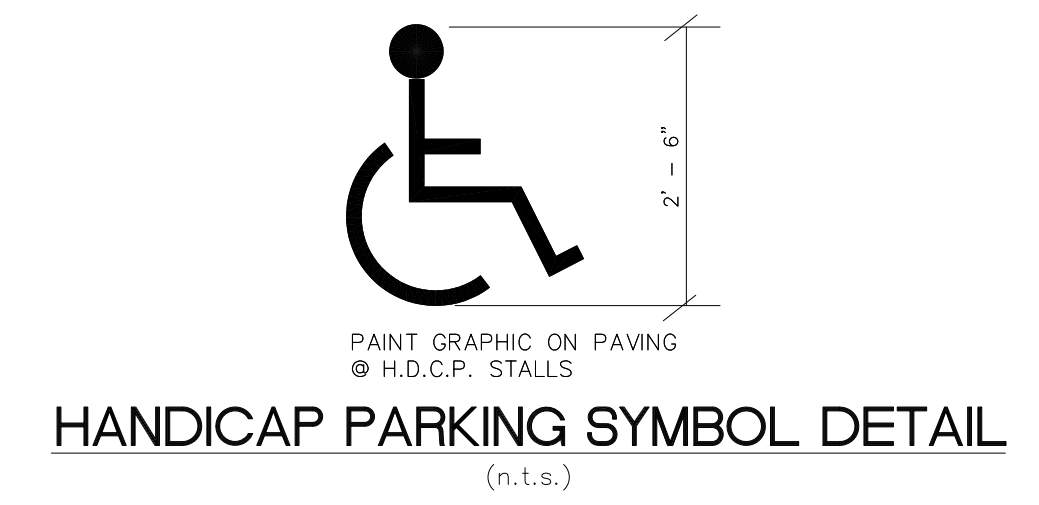
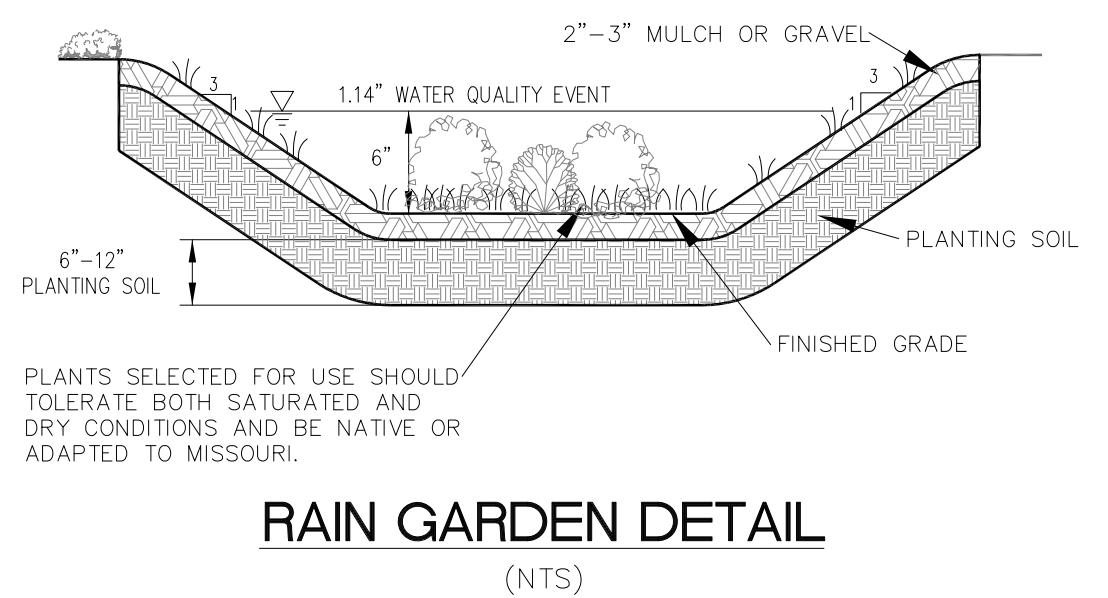
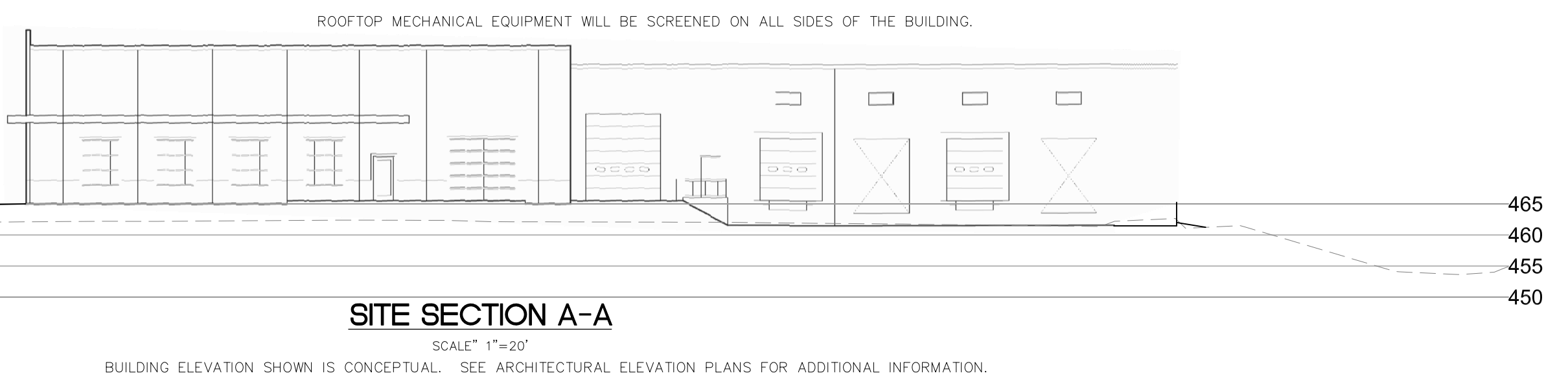
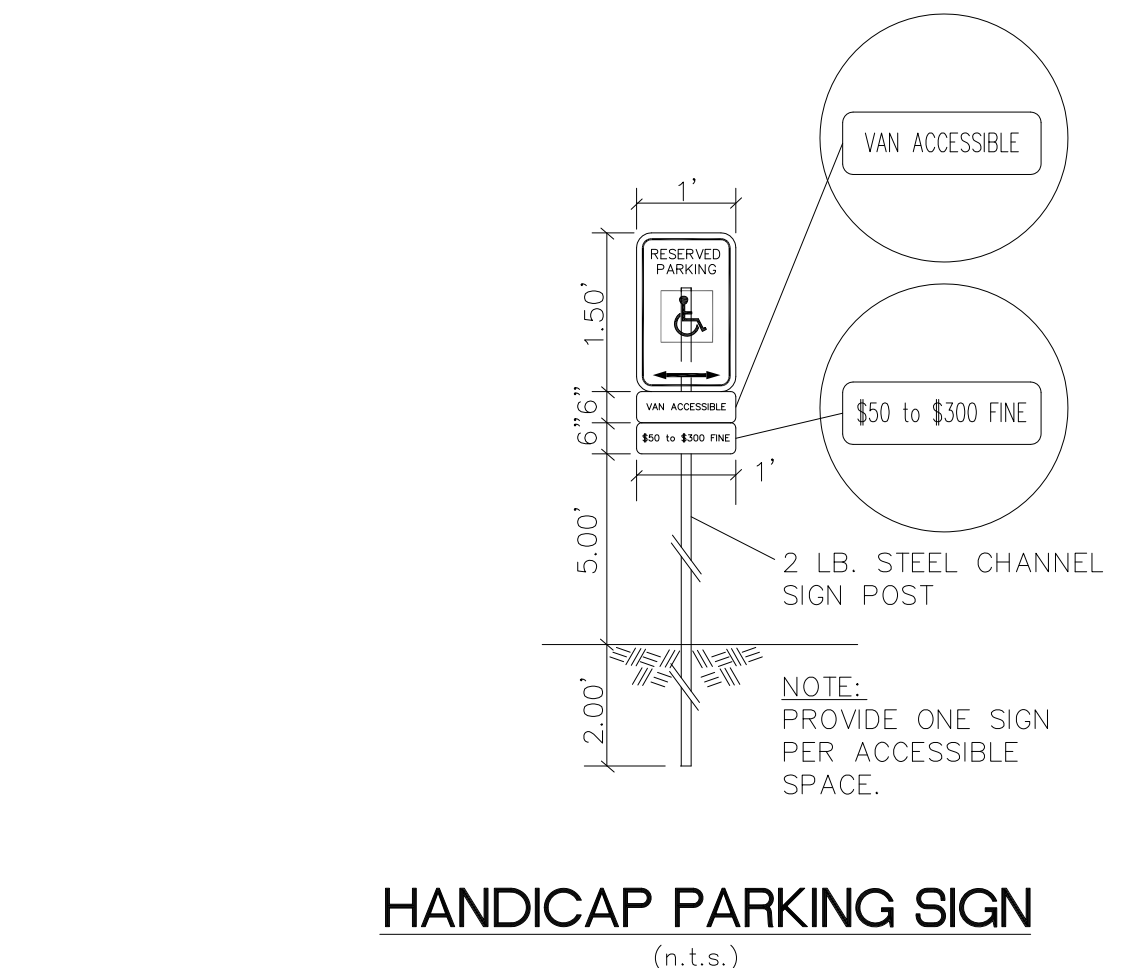
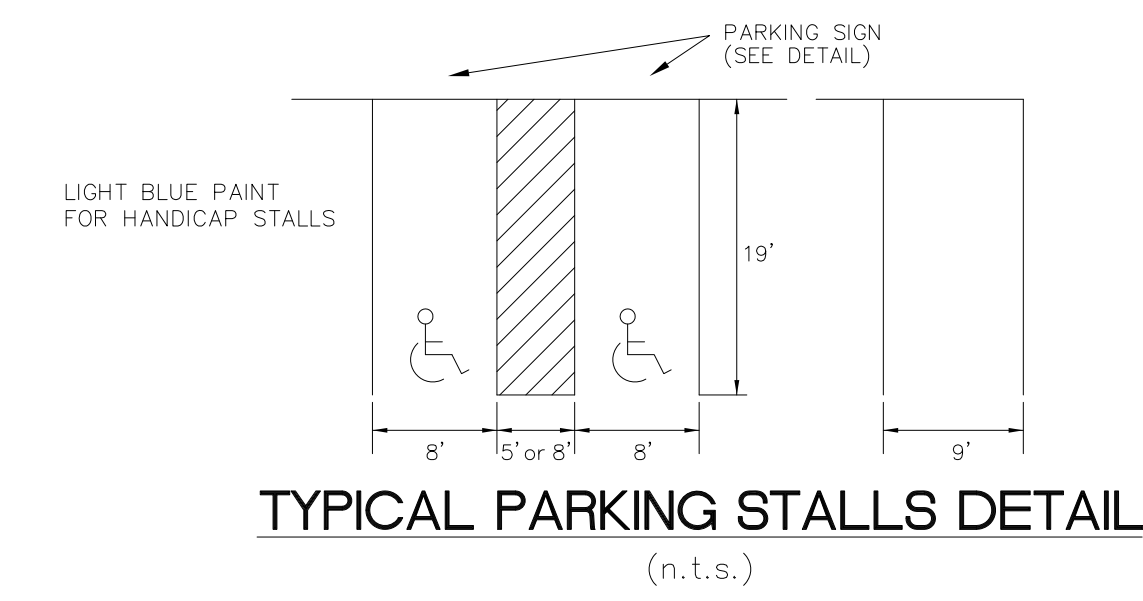
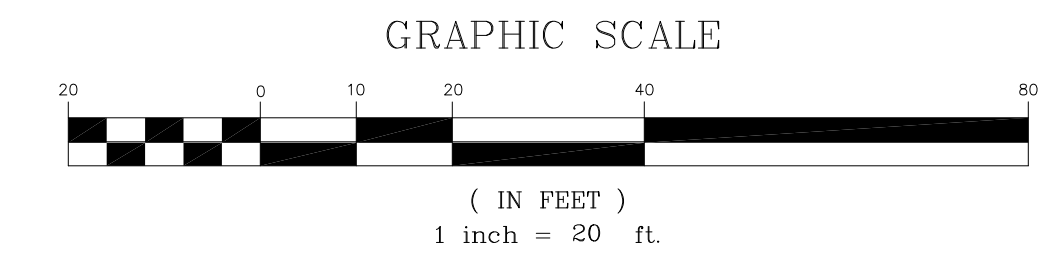
Screening Material & Design: FOUR SIDED ROOF SCREENS BY USE OF PARAPET WALLS

Description of art or architecturally significant features (if any): SEE ARCHITECTS STATEMENT

ADDITIONAL PROJECT INFORMATION:

Checklist: Items to be provided in an 11" x 17" format

- Color Site Plan with contours, site location map, and identification of adjacent uses.
- Color elevations for all building faces.
- Color rendering or model reflecting proposed topography.
- Photos reflecting all views of adjacent uses and sites.
- Details of screening, retaining walls, etc.
- Section plans highlighting any building off-sets, etc. (as applicable)
- Architect's Statement of Design which clearly identifies how each section in the Standards has been addressed and the intent of the project.
- Landscape Plan.
- Lighting cut sheets for any proposed building lighting fixtures. (as applicable)
- Large exterior material samples. (to be brought to the ARB meeting)
- Any other exhibits which would aid understanding of the design proposal. (as applicable)
- Pdf files of each document required.



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

PROPOSED OFFICE/WAREHOUSE BUILDING
LOT 9A OF SPIRIT VALLEY BUSINESS PARK
 610 SPIRIT VALLEY EAST DRIVE
 CHESTERFIELD, MISSOURI 63005

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

REVISIONS:

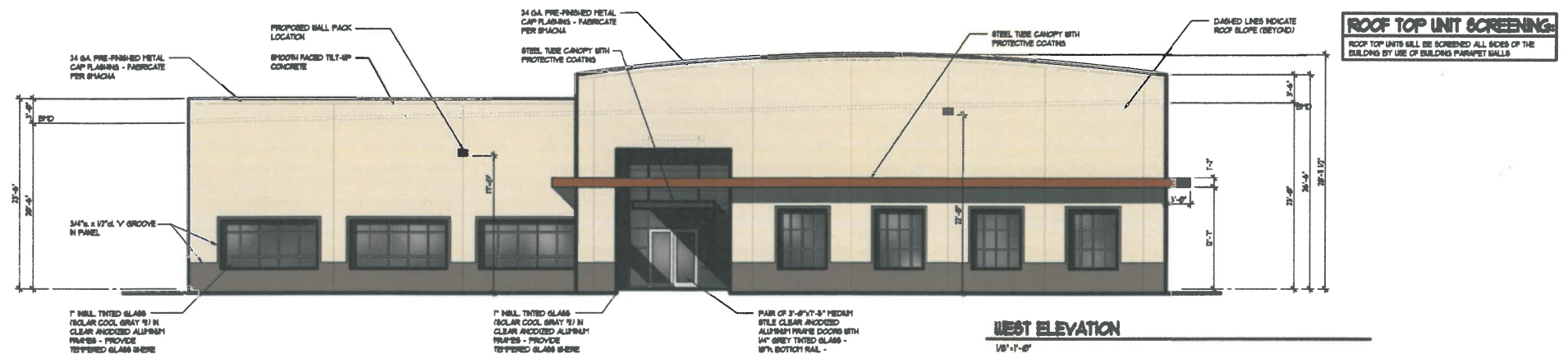
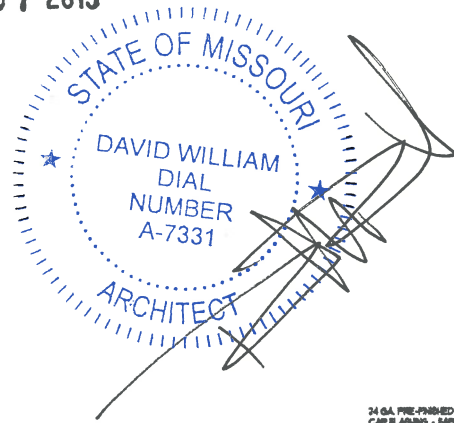
1	09-11-2013	SUBMIT TO MSD
2	09-18-2013	SUBMIT TO CITY
3	09-27-2013	BLDG FOOTPRINT

DRAWN BY:	C.A.M.	CHECKED BY:	G.M.S.
DATE:	08/27/2013	JOB NO.:	213-5191
MSD.PP:	P-XX	BASE MAP #:	17-W1
S.L.C. HAT #:	2354	HAT SUP. #:	54-168-C3
MSD.R. #:		HAT PROJECT #:	

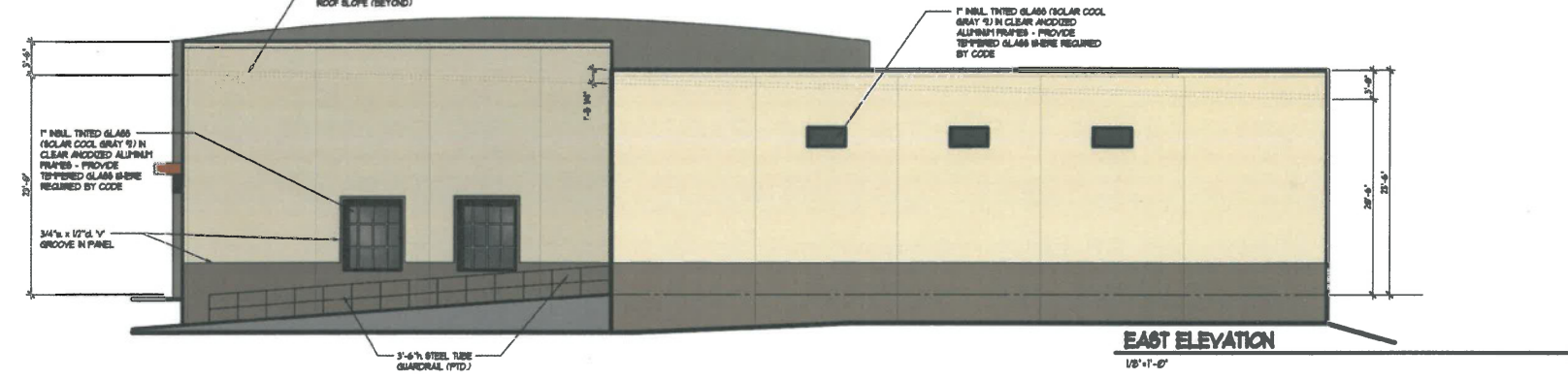
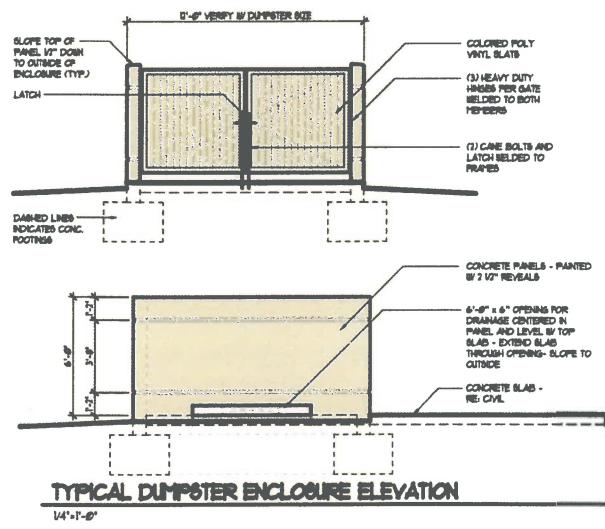
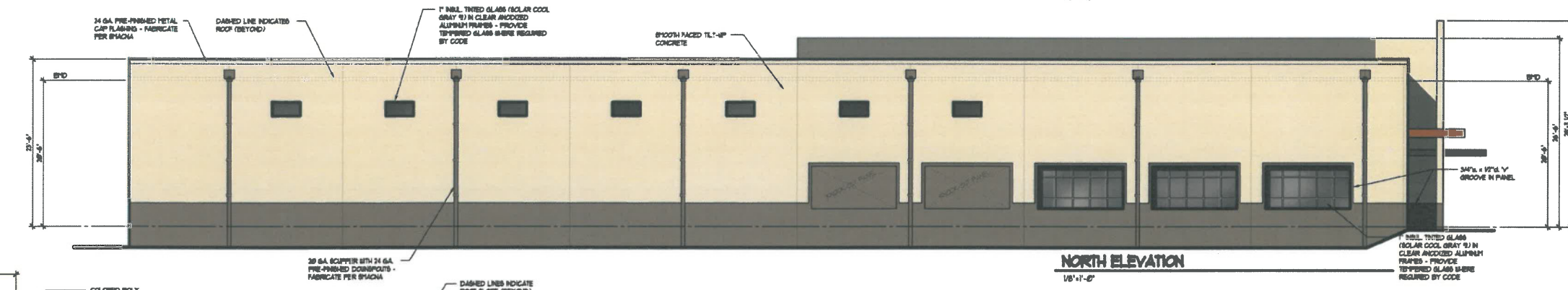
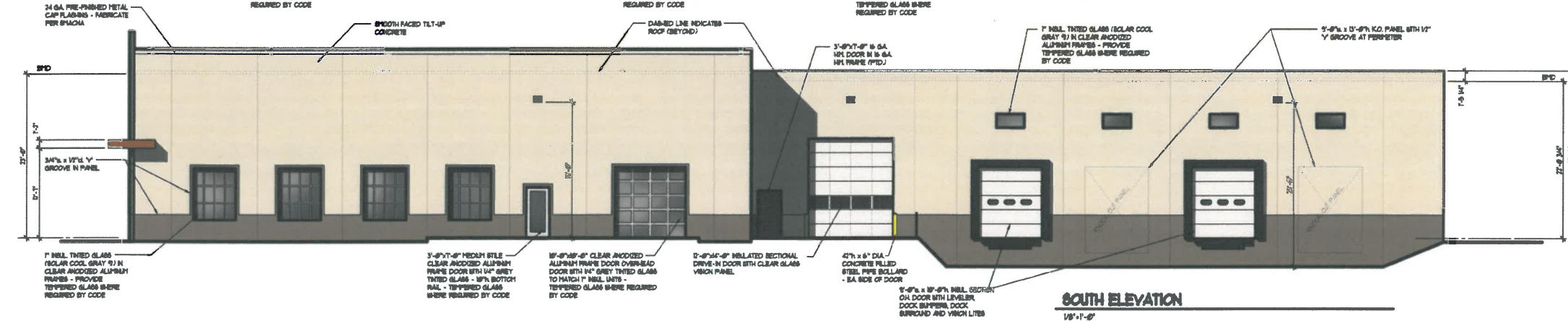
SHEET TITLE:
SITE PLAN

SHEET NO.:
SDSP-2

SEP 27 2013



ROOF TOP UNIT SCREENING:
ROOF TOP UNITS WILL BE SCREENED ALL SIDES OF THE BUILDING BY USE OF BUILDING PARAPET WALLS



General Contractor:
KEYSTONE
Civil Engineer:
Stacy & Associates
Structural Engineer:
Adifica

Proposed New Facility for ...
Oaktree Products, Inc.
610 Spirit Valley East Drive
Chesterfield, Missouri

ISSUE DATES:
PRELIMINARY DESIGN: 08-27-13
CITY SUBMITTAL: 09-19-13
CITY SUBMITTAL: 09-28-13

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STATE OF MISSOURI REGISTERED ARCHITECT:
DAVID WILLIAM DIAL - LICENSE NUMBER A-7331
DAVID W. DIAL ARCHITECTS, P.C.
ARCHITECTURAL CORPORATION #000049001

THE ARCHITECT'S SEAL AFFIXED TO THIS SHEET INDICATES THAT THE NAMED ARCHITECT HAS PREPARED OR DIRECTED THE PREPARATION OF THE MATERIAL SHOWN ONLY ON THIS SHEET. OTHER DRAWINGS AND DOCUMENTS, NOT CARRYING THIS SEAL, SHALL NOT BE CONSIDERED PREPARED BY OR THE RESPONSIBILITY OF THE UNDERSIGNED.

dial architects
14364 Manchester Road • Manchester Missouri 63011

SHEET NUMBER:
A1 of 1
ELEVATIONS
PROJECT NUMBER: P13180 DATE: 09-28-13





LOOKING NORTH



LOOKING EAST



LOOKING SOUTH



LOOKING WEST

September 25, 2013

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 Facility for Oaktree Products, Inc.
Spirit Valley Business Park Lot 9A – 610 Spirit Valley East Drive

Oaktree Products, Inc. Information and Background

Oaktree Products, Inc. is a locally owned and operated company located in Chesterfield Valley. They are proposing to construct and move to a new facility located in Spirit Valley Business Park. Oaktree Products, Inc is a multi-line distributor of hearing healthcare products.

General Requirements for Site Design

This project consists of a one-story single tenant office/warehouse building. The construction site is located on Spirit Valley Drive East near Olive Street Road across from Rombach's Pumpkin Farm.

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.

This project has a 5' wide sidewalk parallel to Spirit Valley Drive East to provide pedestrian circulation. The transition from the street to the site effectively utilizes a shared entrance for both automobile and truck traffic to help eliminate multiple curb cuts. The automobile parking is located in the front of the building, with added elements to enhance the overall design of the facility and provide safe passage to the entry plaza away from truck and delivery traffic.

We are not proposing the use of any fencing or retaining walls on the site at this time.

Landscaping has been 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 business resident of the City of Chesterfield, wants this building to represent the quality that they have offered in their many years of service and, as such, has placed a high priority on the appearance of his facility.

The front elevation is articulated with glass, reveals, covered recessed entry and paint colors. The north side of the building is designed similar to the front by adding large windows and reveals in rhythmically pleasing geometric patterns with accent colors to add depth to the elevations.

As seen on the attached elevations, the building will utilize two earth tone colors, gray tinted glass and clear anodized aluminum window frames. The colors, glass and metal items are juxtaposed on the façades of the building to create a very nice overall building design. These include a main building color of a light warm taupe and darker accent color of similar nature.

The building is constructed of tilt-up concrete panels, which is the same material as the other buildings in for this business park. A special elastomeric coating designed specifically for concrete will protect the concrete panels.

The glass will be an energy efficient, tinted, glass in clear anodized aluminum frames. As you can see on the attached elevations, 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 two light standards in the front of the building along Spirit Valley Drive East with wall-mounted, shoebox type fixtures on the west and south elevations of the building that will not shine off of the property in an unnecessary fashion.

Please see the site development section plan for drainage information.

The roof top units shall be screened by use of 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 CMU to coordinated with the building.

The electrical service will be provided by a new transformer located along the north side of the proposed new drive. 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 west of the building and the service/loading area is on the south side of the building.

Street lighting is included in this project to match the existing industrial park street lighting.

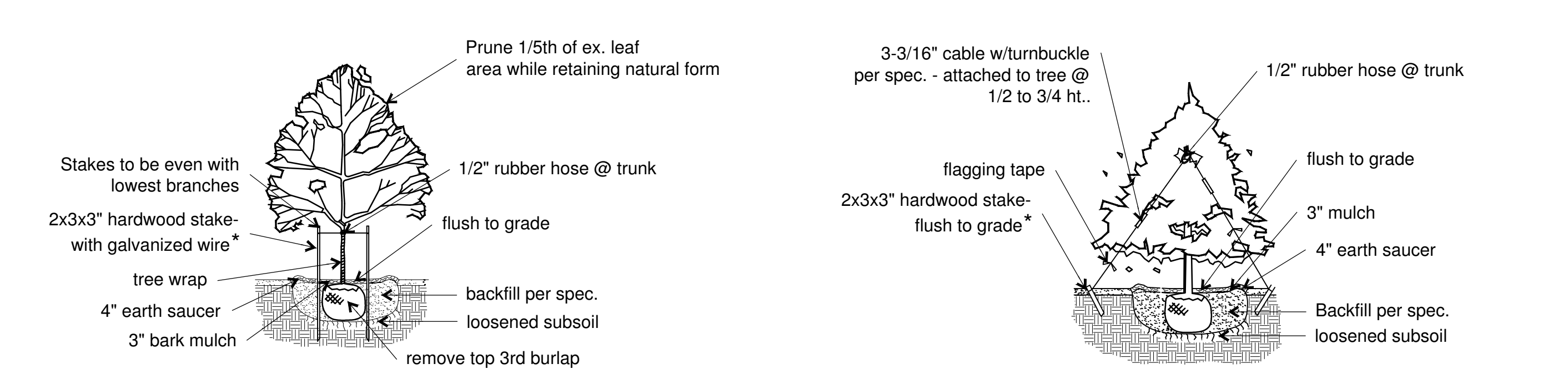
It remains our intentions to provide a design that will enhance the local environment while blending with the building types already in the Spirit Valley Business Park. The owner is excited about moving to their new facility and remaining a resident of the City of Chesterfield.

Thank you for your assistance.

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

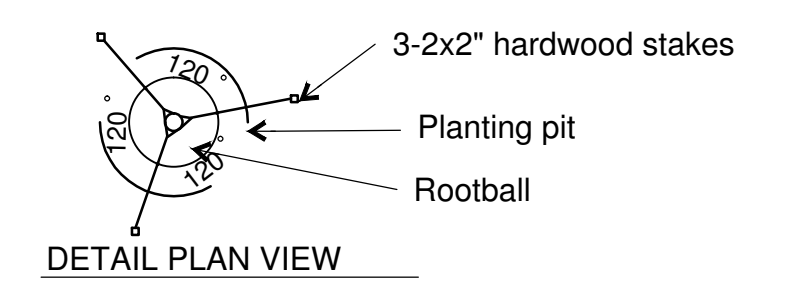
Glass and frame sample, and
Color samples of the concrete coatings.

End of Architects Statement

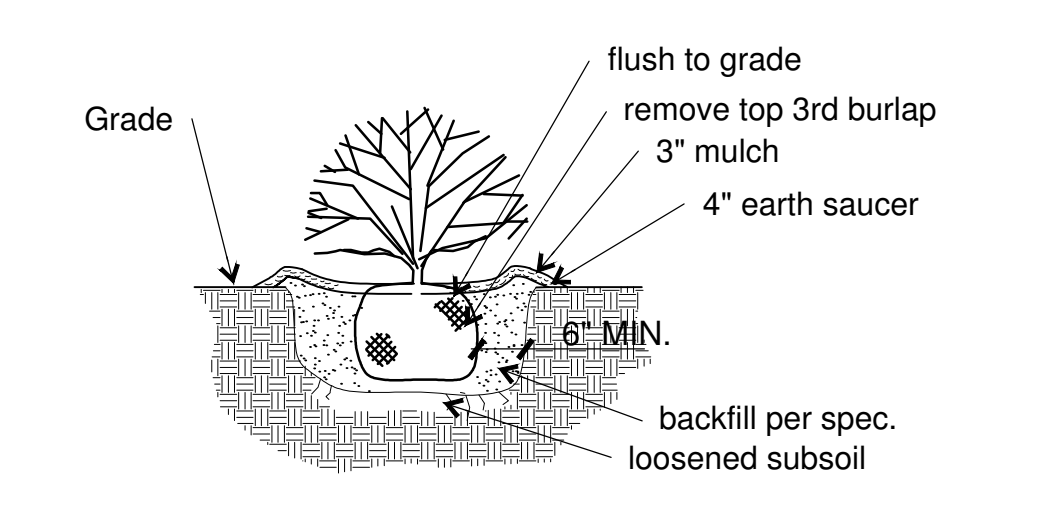


CANOPY TREE PLANTING

TYPICAL EVERGREEN PLANTING

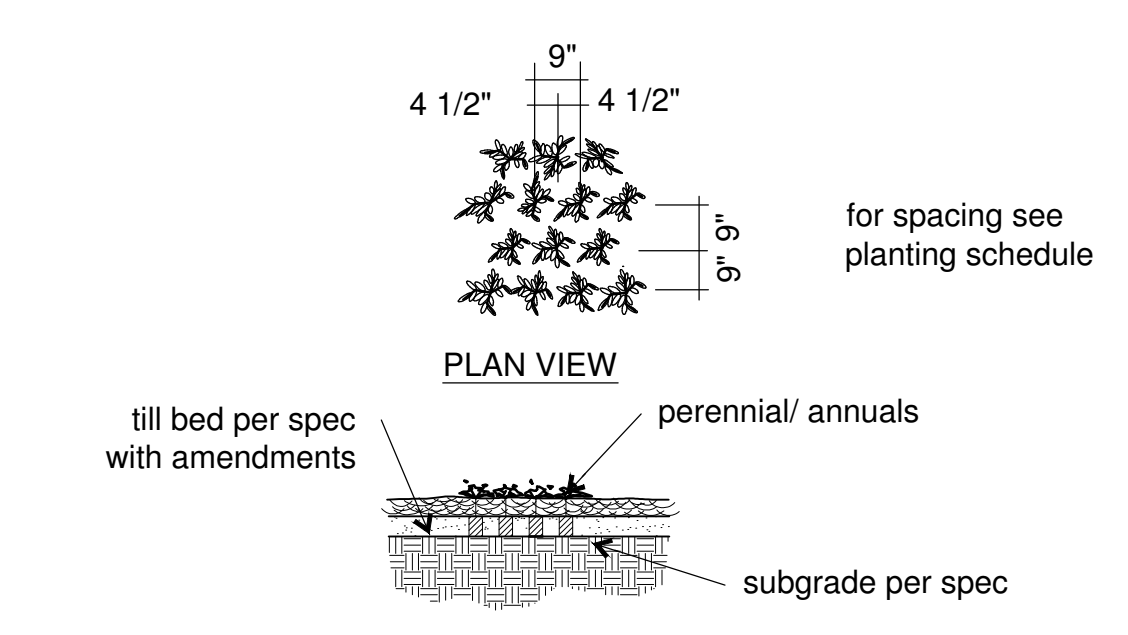


- * Staking should only be done when:
 - Planting in soft, loose soils
 - Root balls in sandy soils, or wet clay
 - Trees located in an extremely windy location

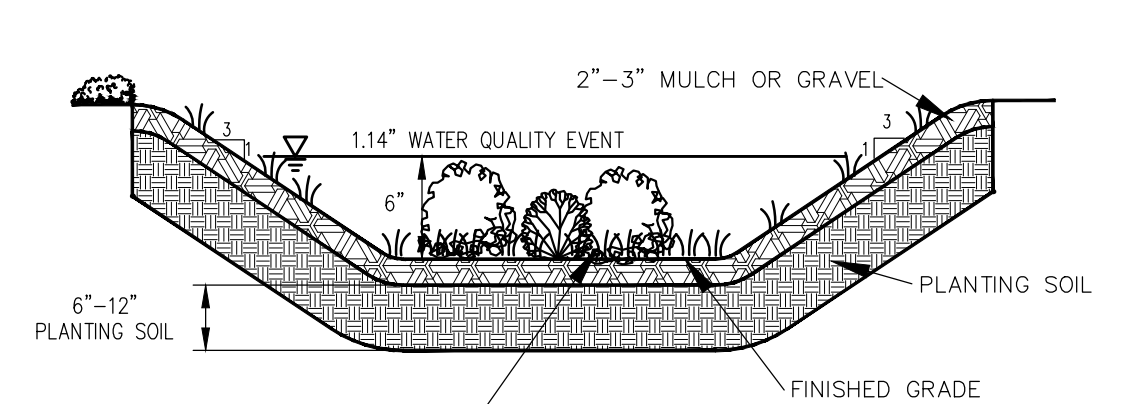


SCARIFY ROOT BALL OF ALL CONTAINER STOCK

TYPICAL SHRUB PLANTING



TYPICAL PERENNIAL PLANTING



RAIN GARDEN DETAIL (n.t.s.)

LANDSCAPE

Landscape Buffers- Landscape Buffers shall be required as follows:

Street Trees:
 Street Trees to be planted one (1) tree every forty (40) feet on center of property frontage. There is approximately 165 LF of frontage. (165÷40 = 4.125 = 4 street trees required). Maximum of 20% of one species may be utilized for street trees. Since four street trees required, two species recommended to satisfy this requirement.

Additional Landscape Requirements:
 Parking spaces to have a canopy tree located no further than fifty (50) feet away. All spaces shown have a canopy tree located within a fifty (50) foot radius on center.

Open Space Calculations:
 Building footprint = 17,400± S.F.
 + Vehicle pavement (drives, parking, trash enclosure) = 21,233 S.F.
 Site coverage = 38,633 S.F.
 Open space: 64,702 Lot S.F. - 38,633 S.F. = 26,069 S.F.
 Open space %: 26,069/64,702 x 100 = 40% > 30% O.K.

PLANTING SCHEDULE STREET TREES							
SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	TYPE	GROWTH RATE/SIZE CLASS	NATURE HT/FEET
TREES							
A	2	<i>Acer rubrum</i> 'Franksred'	Red Sunset Maple	2.5" cal	Deciduous	Fast/Large	45+
B	2	<i>Carpinus betulus</i> 'Fastigiata'	Pyramidal European Hornbeam	2.5" cal	Deciduous	Slow-Med/Medium	35-40
C	3	<i>Cercis canadensis</i>	Eastern Redbud	2.5" cal	Deciduous	Fast/Medium	25-30
D	3	<i>Pinus strobus</i>	Eastern White Pine	6"	Evergreen	Fast/Large	45+
E	2	<i>Quercus bicolor</i>	Swamp White Oak	2.5" cal	Deciduous	Med/Large	45+
F	4	<i>Ginkgo biloba</i> (male)	Ginkgo (male)	2.5" cal	Deciduous	Slow-Med/Large	45+
SHRUBS/PERENNIALS							
a	46	<i>Buxus sinica</i> var. <i>insularis</i> 'Wintergreen'	Wintergreen Boxwood	5 gal	Evergreen	-	-
b	18	<i>Juniperus sabina</i> 'Mini Arcadia'	Mini Arcadia Juniper	3 gal	Evergreen	-	-
c	7	<i>Buddleja Lo & Behold</i> 'Blue Chip'	Blue Chip Dwarf Butterfly Bush	3 gal	Deciduous	-	-
d	5	<i>Ilex glabra</i>	Inkberry Holly	7 gal	Evergreen	-	-
584 sf		Annals, perennials, groundcovers	-	1 qt	-	-	-
2,155 sf		Rain garden	-	-	-	-	-

LANDSCAPE PLAN
 SCALE 1" = 20'

PLAN PREPARED FOR:
 Bill Hardie
 Keystone Construction Co.
 732 Spirit 40 Park Drive
 Chesterfield, MO 63005
 636-519-7900

Lot 9A
 #608 Spirit Valley East Drive
 Chesterfield, Missouri

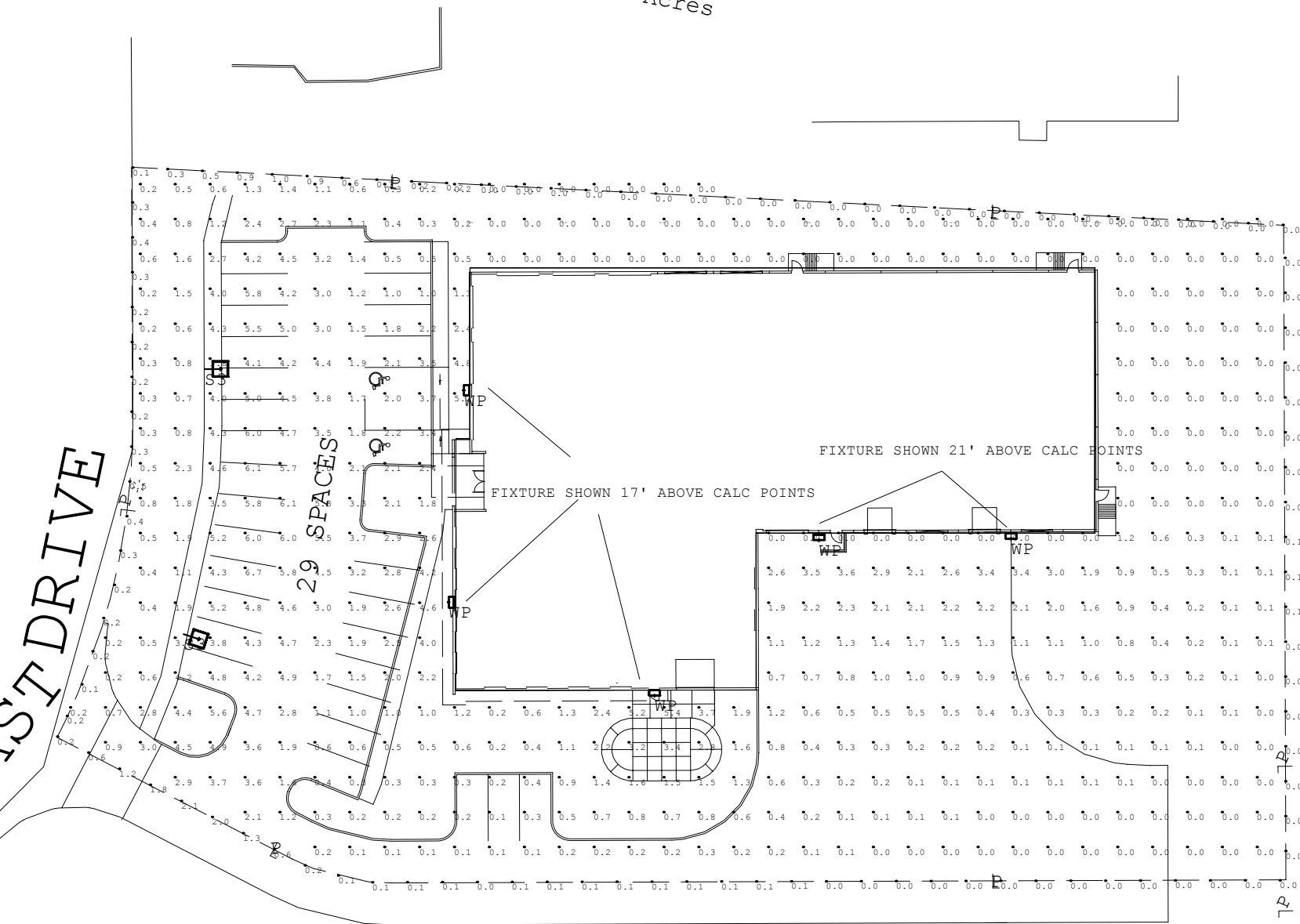
Revisions:		
Date	Description	No.
9-27-13	Revised base plan	2
9-13-13	City Comments	1

Drawn: LH
 Checked: RS

Ioomis Associates
 Landscape Architects/planners
 2000 Westport Ave., Suite 100
 Chesterfield, MO 63005
 636-519-7900
 www.ioomisassociates.com

Sheet Title: Landscape Plan
 Sheet No: L1
 Date: 08/21/13
 Job #: 687.010

612 SPIRIT VALLEY EAST DR
 105,616 s.f.
 2.43 Acres



LOT 10

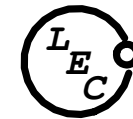
LOT 9A

ST DRIVE

SPIRIT VALLEY BUSINESS PARK - LOT 9A

Luminaire Schedule					
Symbol	Qty	Label	Description	Total Lamp Lumens	LLF
□	5	WP	LMC-150P WALL MOUNTED	14000	1.000
□	2	S3	MSV-x-P40-V3P-F-FGGS2 AT 20' ABOVE GRADE	41000	1.000

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
All CalcPts	Illuminance	Fc	1.27	6.7	0.0	N.A.	N.A.
Property Line Calcs	Illuminance	Fc	0.20	2.1	0.0	N.A.	N.A.
Parking Lot	Illuminance	Fc	3.34	6.7	0.3	11.13	22.33
Patio	Illuminance	Fc	3.14	5.4	1.5	2.09	3.60
Roadway and Dock Surfaces	Illuminance	Fc	0.68	3.7	0.0	N.A.	N.A.



Filename: LOT 9A R4 (09182013).AGI

Date: 9/18/2013

Calculations Provided by Luikart-Eason-Calcaterra & Co.
 11088 Millpark Dr. Suite 120 Maryland Heights, Mo. 63043
 Phone: 314-298-7500 Fax 314-298-8508 www.lecltg.com

LAREDO SERIES

LMC HID/CFL Series

Cat.#

Job

Type



HUBBELL
Outdoor Lighting

Approvals

SPECIFICATIONS

Intended Use:

Full cutoff perimeter or entry lighting for 10-15ft mounting heights that require high light output and maximum energy efficiency. Ideal for schools, factories, hospitals, warehouses and retail applications.

Construction:

Decorative die cast aluminum housing and door. Rugged design protects internal components and provides excellent thermal management for long life. 70% lumen maintenance at 50,000 hours minimum. 800 series powder paint finishes provide lasting appearance in outdoor environments. Five standard finishes include: Bronze, Black, Gray, White and Platinum. Multiple options customize including a tool-free latch, which allows re-lamping of HID units from the ground, photocontrol for energy savings, integral ballast back-up battery for fluorescent units, fusing, quartz standby and EM sockets for remote power, lamps and five standard finishes.

Optics:

HID/CFL: Vertical lamp position (lamp is optional on HID and CFL units) provides maximum HID performance and life. Standard, removable front shield on single lamp units, reduces forward beam projection while maintaining lateral throw, if desired.

Distribution:

Full cutoff distribution - flat glass and optics provide wide spread with an environmentally friendly light control. IDA compliant.

Electrical:

UL certified for thru-wiring. Wide selection of wattage and sources including pulse start electronic metal halide and fluorescent systems (see below).

Installation:

Three 1/2" conduit hubs (top and sides), allow feed-thru surface wiring capability on HID and CFL units. Foam gasket for sealing to smooth surfaces with two or three key slot configuration. Mounting template included. Designed with quick mount system to provide rigid mounting over recessed junction boxes - fixture does not require opening for mounting.

Listings:

Listed and labeled to UL 1598 for wet locations, 25° C ambient environments. U.S. Patent No. D563,587

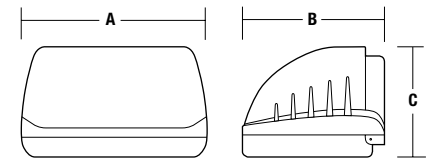
Warranty:

Five year limited warranty (for more information visit: <http://www.hubbelloutdoor.com/resources/warranty/>)

PRODUCT IMAGE(S)



DIMENSIONS



A	B	C	Weight
16.0"	12.125"	9.0"	20.66 lbs.
(406 mm)	(308 mm)	(229 mm)	(9.37 kg)

CERTIFICATIONS/LISTINGS



ORDERING INFORMATION ORDERING EXAMPLE: LMC-150P8-1-PC1

SERIES	WATTAGE/SOURCE/VOLTAGE	FINISH	OPTIONS
LMC			
LMC	PULSE START METAL HALIDE	1 Bronze	PC(X)¹ Button photocontrol, replace X with voltage, specify 1-120V, 2-208V, 3-240V, 4-277V
Laredo	50P 9 50w 120/277V Dual Volt	2 Black	TL¹ Touch Latch, Tool-free Entry
Medium	70P 8 70w Quad-Tap® 120, 208, 240, 277V	3 Gray	LP² Lamp Included
Cut-off	70P 6 70w Tri-Tap® 120, 277, 347V	4 White	F(X)⁸ Fusing replace X with voltage, 1-120V, 2-208V, 3-240V, 4-277V
	100P 8 100w Quad-Tap® 120, 208, 240, 277V	5 Platinum	QST^{7,8} Time Delay Quartz stand by system less lamp
	100P 6 100w Tri-Tap® 120, 277, 347V		EM^{3,7,8} DC Bayonet Socket (for remote power by others)
	100P 5 100w 480V		EM12^{3,7,8} MR11/MR16 Two Pin Socket (for 12V power by others)
	150P 8 150w Quad-Tap® 120, 208, 240, 277V		2EM12^{3,7,8} Two MR11 or MR16 Two Pin Sockets (for 12V power by others)
	150P 6 150w Tri-Tap® 120, 277, 347V		BBU-XXX^{4,8} Emergency Battery Back-up, rated -4°F, 120 or 277V
	150P 5 150w 480V		BOC-XXX⁸ Emergency Battery Back-up, rated -0°C, 120 or 277V
	ELECTRONIC METAL HALIDE		
	70E 8⁶ 70w Quad-Tap® 120, 208, 240, 277V		
	100E 8⁶ 100w Quad-Tap® 120, 208, 240, 277V		
	ELECTRONIC FLUORESCENT		
	42F 8⁶ 42w Quad-Tap® 120, 208, 240, 277V		
	84F 8^{5,6} 84w Quad-Tap® 120, 208, 240, 277V		
	HIGH PRESSURE SODIUM		
	70S 8 70w Quad-Tap® 120, 208, 240, 277V		
	70S 6 70w Tri-Tap® 120, 277, 347V		
	150S 8 150w Quad-Tap® 120, 208, 240, 277V		
	150S 6 150w Tri-Tap® 120, 277, 347V		
	150S 5 480V		

1 "0" in voltage selection indicates less ballast.
 2 For "Lamp included" option on fluorescent: indicate desired wattage: 42F - LP42, LP32, LP26; 84F - LP84 (2x42w), LP64 (2x32w), LP52 (2x26w).
 3 Lamps not included.
 4 BBU option provides integral emergency battery back up and operates one fluorescent lamp at up to 1250 lumens for a minimum of 90 minutes. Operation is reliable between -4°F and +131°F. Maximum output is achieved when the lamp temperature is 77°F. Eliminates the need for remote batteries or additional fixtures. On two lamp units (2x26w, 2x32w, 2x42w) battery powers one lamp to 1250 lumens.
 5 Two lamp fluorescent units have two electronic ballasts. Field wiring or controls can provide switching for 50% fixture output if desired.
 6 50Hz/60Hz standard on electronic MH, Fluorescent or LED.
 7 Not available on two lamp CFL versions, use BBU or BOC options



Hubbell Outdoor Lighting • 701 Millennium Boulevard • Greenville, SC 29607 • Phone: 864-678-1000

Due to our continued efforts to improve our products, product specifications are subject to change without notice.

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LAREDO-LMC-SPEC 7/13

ACCESSORIES (order as separate part number)	
LMC-SPC	Polycarbonate shield (.125 thickness)
PBT-1	120V button photocontrol
PBT-234	208/240/277V button photocontrol

REPLACEMENT PART	
7737101	Polycarbonate Lens

PHOTOMETRICS	
Unit Description	IES File #
18 LED – Clear Lens	LMC-18LU-5K.IES
150w Pulse Start with Shield	LMC-150P-CS.IES
150w Pulse Start - Shield removed	LMC-150P.IES
100w Pulse Start with Shield*	LMC-100P-CS.IES
100w Pulse Start - Shield removed*	LMC-100P.IES
70w Pulse Start with Shield*	LMC-70P-CS.IES
70w Pulse Start - Shield removed*	LMC-70P.IES
150w HPS with Shield	LMC-150S-CS.IES
150w HPS - Shield removed	LMC-150S.IES
42w Fluorescent with Shield	LMC-42F-CS.IES
42w Fluorescent - Shield removed	LMC-42F.IES
2x42w Fluorescent - no Shield	LMC-84F.IES

*Output for magnetic pulse start or electronic ballast.



Features

- Square Straight Steel Shaft
- One-piece construction
- Side, Tenon, or Pad mounting available
- Ground lug standard
- Galvanized anchor bolts and template included
- Base cover standard (Square)
- Gasketed hand hole cover standard
- Lektrocote finish standard
- CSA certification available

Ordering Information

Example: S - S - S - 25 - 40 - 1 - A1 - DB



Pole Logic is for reference only. Use table below to determine available poles.

Cross Section	Style	Material	Nominal Length	Nominal Shaft Dimension	Cross Sect.	Style	Material	Nom. Length	Nom. Shaft	Shaft Thick.	Mount Type	Finish
S	Square	Steel	10 12 14 16 18 20 25 27 30 35 40	4 5 6	1	S	S	25	40	1	A1	DB
					Shaft Thickness			Finish				
					1	Steel - Standard (11 GA / .119)			DB Dark Bronze			
					7	Steel - Heavy (7 GA / .179 - .188)			BL Black			
					3	Steel - Extra Heavy (3 GA / .250)			WH White			
					Luminaire Mounting Type			GR Gray				
					AX	Side - Single ¹			PS Platinum Silver			
					BX	Side - Double at 90° ¹			RD Red (Premium Color)			
					CX	Side - Double at 180° ¹			FG Forest Green (Premium Color)			
					DX	Side - Triple at 90° ¹			CC Custom Color (Consult Factory)			
					FX	Side - Quad at 90° ¹			PR Primer Only			
					P1	Pad Mount - Spider Type			Options			
					P2	Pad Mount - Yoke Type			Q55 Internal Coating (Hubbell Seal)			
					P3	Pad Mount - Yoke Type (Proformer XL only)			Q18 15 Amp GFCI Receptacle and Cover ²			
					TA	Tenon (2 3/8" OD)			Q22 Extra Handhole ²			
					TB	Tenon (2 7/8" OD)			Q26 1/2" Coupling ²			
					TR	Removable Tenon (2 3/8 x 4 1/4)			Q27 3/4" Coupling ²			
					CD	Concord Luminaire			Q30 2" Coupling ²			
								Q32 Mid-pole Luminaire Bracket ²				
								Q40 Vibration Damper				
								LAB Less Anchor Bolts				
								CSA CSA Certified (consult factory)				
					1 DRILL PATTERNS: Replace X with 1 = standard (4-bolt), 4 = MSS & DS luminaires, 5 = Detroit III luminaires, 6 = MSV, RCS, RCL & DM luminaires							
					2 Specify option location using logic found in pole introduction pages.							

Catalog Number	Pole Ht.		Nominal Shaft Dim.	Wind Load Rating ¹					Bolt			Base Plate (sq.)	Anchor Bolt Size	Bolt Proj.	Pole Wt (lbs)	
	ft	m		70 MPH	80 MPH	90 MPH	100 MPH	120 MPH	Wall Thick.	Circle (Sug.)	Bolt Circle					Bolt Sq.
SSS-10-40-1-XX-XX	10	3.0	4	38	28.5	22	17	11	.119	11"	8 - 11"	5.6 - 7.8"	10.25 x 0.75"	3/4 x 30 x 3"	4"	91
SSS-10-50-1-XX-XX	10	3.0	5	60	46	36	28	19	.119	11"	10 - 13.5"	7.1 - 9.5"	12 x 1"	3/4 x 30 x 3"	4"	106
SSS-12-40-1-XX-XX	12	3.7	4	28	21	15	12	7.5	.119	11"	8 - 11"	5.6 - 7.8"	10.25 x 0.75"	3/4 x 30 x 3"	4"	104
SSS-12-50-1-XX-XX	12	3.7	5	45	33	25	20	13	.119	11"	10 - 13.5"	7.1 - 9.5"	12 x 1"	3/4 x 30 x 3"	4"	122
SSS-14-40-1-XX-XX	14	4.3	4	23	17	12.5	9.5	6	.119	11"	8 - 11"	5.6 - 7.8"	10.25 x 0.75"	3/4 x 30 x 3"	4"	116
SSS-14-40-7-XX-XX	14	4.3	4	34.5	25.5	20	15	9.5	.179	11"	8 1/2 - 12"	6 - 8.4"	11 x 1"	3/4 x 30 x 3"	4"	158
SSS-14-50-1-XX-XX	14	4.3	5	38	28.5	21.5	16.5	10.5	.119	11"	10 - 13.5"	7.1 - 9.5"	12 x 1"	3/4 x 30 x 3"	4"	138
SSS-16-40-1-XX-XX	16	4.9	4	19.5	14	10.5	7.5	4	.119	11"	8 - 11"	5.6 - 7.8"	10.25 x 0.75"	3/4 x 30 x 3"	4"	128
SSS-16-40-7-XX-XX	16	4.9	4	29.5	21.5	16	12	8	.179	11"	8 1/2 - 12"	6 - 8.4"	11 x 1"	3/4 x 30 x 3"	4"	176
SSS-16-50-1-XX-XX	16	4.9	5	32	23.5	17.5	13.5	8	.119	11"	10 - 13.5"	7.1 - 9.5"	12 x 1"	3/4 x 30 x 3"	4"	153
SSS-16-50-7-XX-XX	16	4.9	5	47.5	35.5	27	21.5	13.5	.179	11"	10 - 13.5"	7.1 - 9.5"	12 x 1"	3/4 x 30 x 3"	4"	214
SSS-18-40-1-XX-XX	18	5.5	4	16.5	11.5	8.5	6	3	.119	11"	8 - 11"	5.6 - 7.8"	10.25 x 0.75"	3/4 x 30 x 3"	4"	147
SSS-18-40-7-XX-XX	18	5.5	4	25.5	18	13.5	10.5	6	.179	11"	8 1/2 - 12"	6 - 8.4"	11 x 1"	3/4 x 30 x 3"	4"	201
SSS-18-50-1-XX-XX	18	5.5	5	27.5	20	14	11	6	.119	11"	10 - 13.5"	7.1 - 9.5"	12 x 1"	3/4 x 30 x 3"	4"	175
SSS-18-50-7-XX-XX	18	5.5	5	42	31	23.5	18	11	.179	11"	8 1/2 - 12"	6 - 8.4"	12 x 1"	3/4 x 30 x 3"	4"	243
SSS-20-40-1-XX-XX	20	6.1	4	13.5	9.5	6.5	4.5	1.8	.119	11"	8 - 11"	5.6 - 7.8"	10.25 x 0.75"	3/4 x 30 x 3"	4"	160
SSS-20-40-7-XX-XX	20	6.1	4	22	16	11.5	8.5	4.5	.179	11"	8 1/2 - 12"	6 - 8.4"	11 x 1"	3/4 x 30 x 3"	4"	173
SSS-20-50-1-XX-XX	20	6.1	5	23.5	17	12	9	4.5	.119	11"	10 - 13.5"	7.1 - 9.5"	12 x 1"	3/4 x 30 x 3"	4"	191
SSS-20-50-7-XX-XX	20	6.1	5	36.5	27	20	15.5	9	.179	11"	10 - 13.5"	7.1 - 9.5"	12 x 1"	3/4 x 30 x 3"	4"	266
SSS-20-60-7-XX-XX	20	6.1	6	51	38	28.5	22	14.5	.179	12"	10 - 13.5"	7.1 - 9.5"	12 x 1"	3/4 x 30 x 3"	4"	312
SSS-25-40-1-XX-XX	25	7.6	4	8.5	5	3	1.5	NR	.119	11"	8 - 11"	5.6 - 7.8"	10.25 x 0.75"	1 x 36 x 4"	4"	238
SSS-25-40-7-XX-XX	25	7.6	4	14.5	10	6.5	4.5	1.4	.179	11"	8.5 - 12"	6 - 8.4"	11 x 1"	1 x 36 x 4"	4"	266
SSS-25-50-1-XX-XX	25	7.6	5	15	10.5	6.5	4	NR	.119	11"	10 - 13.5"	7.1 - 9.5"	12 x 1"	1 x 36 x 4"	4"	231
SSS-25-50-7-XX-XX	25	7.6	5	25	18	12.5	8.5	4	.179	11"	10 - 13.5"	7.1 - 9.5"	12 x 1"	1 x 36 x 4"	4"	324
SSS-25-50-3-XX-XX	25	7.6	5	36.5	26	19	14	8	.250	11"	10 - 13.5"	7.1 - 9.5"	12 x 1"	1 x 36 x 4"	4"	437
SSS-25-60-7-XX-XX	25	7.6	6	38.5	28	20.5	15	8	.179	12"	11 - 13.5"	7.8 - 9.5"	12 x 1"	1 x 36 x 4"	4"	404
SSS-27-40-7-XX-XX	27	8.2	4	-	8.1	9.4	4.2	1.2	.179	11"	8.5 x 12"	6 - 8.4"	11 x 1"	1 x 36 x 4"	4"	290
SSS-30-40-7-XX-XX	30	9.1	4	6.5	4.5	2.5	1.5	NR	.179	11"	8.5 x 12"	6 - 8.4"	11 x 1"	1 x 36 x 4"	4"	313
SSS-30-50-1-XX-XX	30	9.1	5	7.5	5.5	2.5	NR	NR	.119	11"	10 - 13.5"	7.1 - 9.5"	12 x 1"	1 x 36 x 4"	4"	274
SSS-30-50-7-XX-XX	30	9.1	5	18	12	8	4.5	NR	.179	11"	10 - 13.5"	7.1 - 9.5"	12 x 1"	1 x 36 x 4"	4"	398
SSS-30-50-3-XX-XX	30	9.1	5	22	16	13	8	3.8	.250	11"	10 - 13.5"	7.1 - 9.5"	12 x 1"	1 x 36 x 4"	4"	537
SSS-30-60-7-XX-XX	30	9.1	6	30	20	14	9	3.4	.179	12"	11 - 13.5"	7.8 - 9.5"	12 x 1"	1 x 36 x 4"	4"	467
SSS-30-60-3-XX-XX	30	9.1	6	42	30	22	16	8	.250	12"	11 - 13.5"	7.8 - 9.5"	12 x 1"	1.25 x 42 x 6"	4"	630
SSS-35-60-7-XX-XX	35	10.7	6	20.5	13	8	4.5	NR	.179	12"	11 - 13.5"	7.8 - 9.5"	12 x 1"	1 x 36 x 4"	4"	538
SSS-35-60-3-XX-XX	35	10.7	6	26	18	12	7.5	3.4	.250	12"	11 - 13.5"	7.8 - 9.5"	12 x 1"	1.25 x 42 x 6"	4"	726
SSS-40-60-7-XX-XX	40	12.2	6	11	8	3.5	NR	NR	.179	12"	11 - 13.5"	7.8 - 9.5"	12 x 1"	1 x 36 x 4"	4"	614
SSS-40-60-3-XX-XX	40	12.2	6	14	10.5	5.5	2.5	NR	.250	12"	11 - 13.5"	7.8 - 9.5"	12 x 1"	1.25 x 42 x 6"	4"	802

1 Allowable EPA with 1.3 gust factor. To determine max. pole loading weight, multiply allowable EPA by 30 lbs.

Note Factory supplied template must be used when setting anchor bolts. Hubbell Lighting will deny any claim for incorrect anchorage placement resulting from failure to use factory supplied template and anchor bolts.

Rev. 1 10/28/03

Cat. #		Approvals
Job	Type	

APPLICATIONS

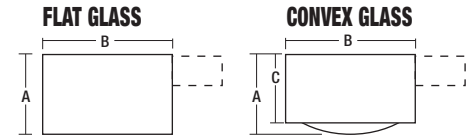
- Malls, retail complexes, industrial sites or any large area lighting project where superior performance, design flexibility, and value are a must.

SPECIFICATIONS

- Lightweight, rugged, one-piece formed and welded aluminum for smooth wall construction and weatherproofing. Pre-drilled for arm mounting. Decorative embossed band and reveal colors available.
- Extruded aluminum door frame with rigid corner bracing and die cast zinc latches for tool-free entry (flat glass lens). Formed aluminum doorframe (convex lens) with stainless steel, Knurled head thumb screw design for tool-free entry. Quality high temperature rated extruded silicone gasket seals out insects, dirt and moisture. Tempered flat glass lens provides impact and thermal shock resistance and a sharp full cut-off classification. Impact and thermal shock resistant convex lens provides improved light level uniformity and broadened luminaire spacing.
- Vertical and horizontal lamp orientations available: IES types I, II, III, IV, and V distributions. V1P, V3P, V5P and H5P reflectors are fully segmented. V4 and H4 reflectors are multi-piece design. H3 and H5 reflectors are hydroformed. All reflectors are rotatable.
- Spider mount has four twin-tube arms attaching housing to pole top fitter. Yoke mount has two square arms securing housing to pole top fitter.
- Extruded aluminum arms in 4" and 10" lengths along with multiple adapters provide mounting flexibility.
- Mogul porcelain socket, pulse rated, with spring-loaded, nickel-plated center contact and reinforced lamp grip screw shell.
- CWA type, HPF ballast, starting rated at -20°F (-40°F for HPS).
- Durable Lektrocote® TGIC thermoset polyester powder coat paint finish assures long life and maintenance-free service.

LISTINGS/CERTIFICATIONS

- UL 1598 listed and CSA certified for outdoor use in wet locations.
- IDA fixture seal of approval.



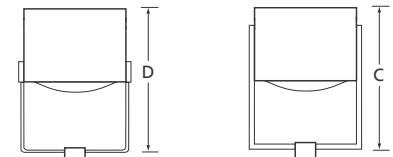
	A	B	C	EPA	Weight
FLAT	15"	21"	N/A	2.8 ft. ^{2*}	68 lbs
	381 mm	533 mm		0.35m ²	30.6 kg
CONVEX	14 1/2"	21" sq.	12"	2.4 ft. ²	63 lbs
	368 mm	533 mm	374 mm	0.2m ²	28.6 kg

NOTE: EPA and weight values do not include mounting arm

* With the 4" arm the EPA is 2.8ft.².

SPIDER MOUNT

YOKE MOUNT



	C	D	Flat	EPA	Weight
SPIDER		33 11/16"	36 1/2"	0.5 ft. ²	9 lbs
		856 mm	928 mm	0.15m ²	4.1 kg
YOKE	35 3/16"		33 11/16"	1.6 ft. ²	11 lbs
	894 mm		856 mm	0.49m ²	5.0kg

ORDERING INFORMATION

ORDERING EXAMPLE

MSV	-	A4	-	P1K	-	V5P	-	F	-	5	-	DB	-	RPA4
Series		Mount		Wattage Source		Lamp Orientation/Distribution		Lens		Voltage		Color		Options

SERIES

MSV	MSV Series
------------	------------

MOUNT

A4	Arm Mount (incl. 4" rigid arm)
A10⁹	Arm Mount (incl. 10" rigid arm)
WB	Wall Bracket (arm not required or included)
WBA4	Wall Bracket with 4" rigid arm
WBA10	Wall Bracket with 10" rigid arm
O	No Arm or Wall Bracket Accessory
ST	Spider Mount (2 3/8" tenon)
YT	Yoke Mount (2 3/8" tenon)

WATTAGE/SOURCE

METAL HALIDE	
H1K	1000 watt (BT-37)

SOURCE/WATTAGE con't

SUPER METAL HALIDE	
MS1K	1000 watt (BT-37)
PULSE START METAL HALIDE	
P17	175 watt (ED-28)
P25	250 watt (ED-28)
P32	320 watt (ED-28)
P35	350 watt (BT-37)
P40	400 watt (BT-37)
P45	450 watt (BT-37)
P75	750 watt (BT-37)
P1K	1000 watt (BT-37)
HIGH PRESSURE SODIUM	
S40	400 watt (ED-18)
S60	600 watt (T-14)
S75	750 watt (BT-37)
S1K	1000 watt (ED-37)

LAMP ORIENTATION/DISTRIBUTION

V1P	Vertical I (segmented)
V3P	Vertical III (segmented)
V4	Vertical IV (multi-piece) ⁵
V5P	Vertical V (square) (segmented)
H3	Horizontal III (hydroformed) ^{1,11}
H4	Horizontal IV (multi-piece) ¹
H5	Horizontal V (square) (hydroformed) ^{1,11}
H5P	Horizontal V (square) (segmented) ²

LENS

F	Flat Glass
C	Convex Glass ⁷

VOLTAGE

Q	Quad-Tap® - 120/208/240/277V ²
V	Five-Tap-120/208/277/480V ²
5	480V
T	Tri-Tap® - 120/277/347V ²
E	50Hz 220/240V
1	120V ⁸
2	208V ⁸
3	240V ⁸
4	277V ⁸
F	347V ⁸
O	No Ballast

COLOR

DB	Dark Bronze (textured)
BL	Black (textured)
WH	White (textured)
GR	Gray (textured)
PS	Platinum Silver (smooth)
RD	Red (smooth) (premium color)
FG	Forest Green (textured) (premium color)
CC	Custom Color (consult factory)

OPTIONS

W1	120V Wiring Prep
W2	208V Wiring Prep
W3	240V Wiring Prep
W4	277V Wiring Prep
W5	480V Wiring Prep
W6	347V Wiring Prep
RPA2	Round Pole Adapter (2 3/4"-3 1/8")
RPA3	Round Pole Adapter (3 1/4"-3 3/4")
RPA4	Round Pole Adapter (3 7/8"-4 1/2")
RPA5	Round Pole Adapter (5")
RPA6	Round Pole Adapter (6")
F(X)	Fusing ⁵ (replace X with voltage: 1-120, 2-208, 3-240, 4-277, 5-480, 6-347)
P(X)³	Photo Button ⁴ (replace X with voltage: 1-120, 2-208, 3-240, 4-277, 6-347)
PR(X)	Photo Cell Receptacle (replace X with voltage: 1-120, 2-208, 3-240, 4-277, 5-480, 6-347)
QZ	Quartz Restrike with 150W DC bayonet lamp ⁴
EB	Embossed Band
R(XX)	Reveal ⁶ (replace XX with color designation) EB option must be chosen with reveal option
VG	Polycarbonate Vandal Guard
L	Lamp

1 Flat lens configurations only for horizontal lamp orientation.
 2 Factory wired for highest voltage unless specified.
 3 400 watt maximum.
 4 Not available with 50 Hz ballast, 600 watt and 750 watt HPS, and convex lens with 1000W HPS.
 5 Not available with convex lens and 1000W HPS.
 6 Reveal selection requires EB - Embossed Band Option.
 7 Vertical lamp only.
 8 Only available with 400 watt.
 9 Only available with 1000W PSMH, 600W HPS, and 750W HPS.
 10 Required for 90° configurations.
 11 750 watt max.

SPECIFICATIONS

HOUSING Die-formed rectilinear housing to have continuous corner welds creating a seamless one-piece enclosure. Housing material to be heavy gauge low copper aluminum alloy. Door assembly to recess completely within luminaire housing creating evenly spaced reveal and floating door appearance.

DOOR/LENS **FLAT LENS DESIGN:** Extruded aluminum doorframe for tempered flat glass lens design to have 45° miter cut corners with internal corner key brackets for rigid support. Finish to be anodized with natural aluminum color. Tool-free entry design provided by corrosion-resistant, spring-loaded die cast zinc thumb latches (one per corner). Extruded silicone gasket profile to positively seal tempered glass lens to doorframe and doorframe to luminaire housing ensuring a contaminant free environment. Complete removal of the door assembly is achievable without tools. **CONVEX LENS DESIGN:** Die formed aluminum doorframe with impact and thermal-shock resistant convex lens, vulcanized one-piece extruded silicone gasket, and tool-free entry with two Knurled head stainless steel screws. Two additional corrosion-resistant treated screws provide door hinging and two additional points of attachment for equal gasket compression. Matching TGIC thermoset polyester powder paint finish to match the luminaire housing color.

MOUNTING The luminaire housing shall attach to all mounting hardware via two 1/2" diameter bolts/rods. Mounting options to include rigid arm assemblies, knuckled arm assemblies for flat surfaces, knuckled arm assemblies for 2 3/8" OD tenon, wall bracket adapter, and round pole adapters ensuring maximum luminaire versatility. All mounting accessories should include gasket between the housing and accessory.

OPTICS The luminaire should be available in both vertical and horizontal lamp orientations. All optical assemblies are to be field rotatable in 90° increments. All flat glass configurations are to be IES – Full Cutoff classified. Internal house side shielding to be available with horizontal Type III distribution and field installable.

ELECTRICAL Available HID wattage range of 250 to 1000 watts from Metal Halide, Pulse Start Metal Halide, High Output Super Metal Halide, and High Pressure Sodium sources. Additional options include fusing, photocell cell control, and quartz restrike lamp.

FINISH TGIC thermoset polyester powder paint finish applied at nominal 2.5 mil thickness. Prior to painting all luminaires and mounting accessories should be thoroughly cleaned with acid and alkaline cleaners followed by the application of a chromate conversion coating.

LISTINGS/CERTIFICATION UL1598 approved and CSA certified for outdoor use in wet locations

MSV EPA VALUES

Mounting Logic for Pole	Configuration	Flat Lens w/ 4" Arm	Flat Lens w/ 10" Arm	Convex Lens w/ 4" Arm	Convex Lens w/ 10" Arm
A	SINGLE	2.8	3	2.5	2.7
B	TWIN AT 90°	5.2	5.3	4.6	4.7
C	TWIN AT 180°	5.6	6	5	5.4
D	TRIPLE AT 90°	8.4	8.6	7.3	7.5
E	TRIPLE AT 120°	8.2	8.4	7.1	7.3
F	QUAD AT 90°	8.6	8.8	7.5	7.7

ACCESSORIES

(Must be ordered separately. For field installation.)

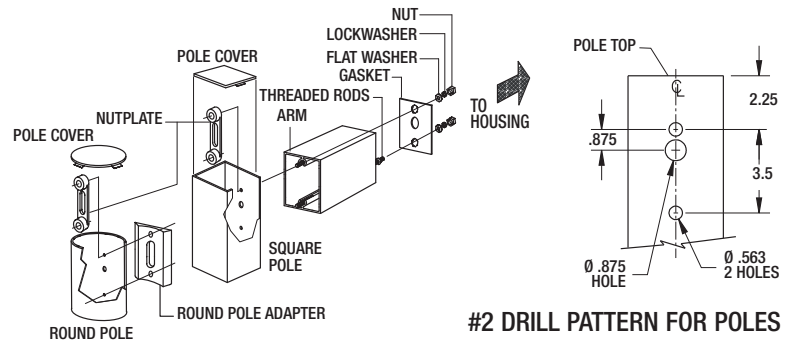
Catalog #	Description
MSV-IHS-H3	Internal House Side Shield (H3 distribution)
MSV-FGGS-2	Extreme Glare Shield for flat glass units only (mounts to housing); restricts lighting to any one side of fixture; black finish standard
MSV-GS	Glare Shield for sag glass units only; restricts light to any one side of fixture, black finish standard
MSV-PVG	Polycarbonate Vandal Guard
FDMLH	Flush Mount Kit - direct mount luminaire hardware kit
F-RPA2-XX^{1,2}	Round Pole Adapter (2 3/4" - 3 1/8")
F-RPA3-XX^{1,2}	Round Pole Adapter (3 1/4" - 3 3/4")
F-RPA4-XX^{1,2}	Round Pole Adapter (3 7/8" - 4 1/2")
F-RPA5-XX^{1,2}	Round Pole Adapter (5")
F-RPA6-XX^{1,2}	Round Pole Adapter (6")
WB-CR-XX¹	Wall Bracket
ARM-F-K-TA-XX¹	Tenon Arm (single) adjustable (2 3/8" O.D. tenon)
ARM-F-TK-TA-XX¹	Tenon Arm (double 180°) adjustable (2 3/8" O.D. tenon)
ARM-F-K-S-XX^{1,2}	Adjustable Arm
ARM-F-4-S-XX^{1,2}	4" Rigid Straight Arm
ARM-F-10-S-XX^{1,2}	10" Rigid Straight Arm
SSS-490-XX²	Square Pole Tenon Adapter (4 @ 90°) (2 3/8" - 2 7/8" OD tenon)
RSS-490-XX²	Round Pole Tenon Adapter (4 @ 90°) (2 3/8" - 2 7/8" OD tenon) (requires 4" round pole adapter)
RSS-3120-XX²	Round Pole Tenon Adapter (3 @ 120°) (2 3/8" - 2 7/8" OD tenon) (requires 4" round pole adapter)

¹ Replace **XX** with color choice, eg.: **DB** for Dark Bronze.

² When ordering poles, specify Pole Drill Pattern #2.

PHOTOCONTROL EQUIPMENT

CATALOG #	DESCRIPTION
PTL-1	Photocontrol - Twist-Lock Cell (120V)
PTL-8	Photocontrol - Twist-Lock Cell (120-277V)
PTL-5	Photocontrol - Twist-Lock Cell (480V)
PTL-6	Photocontrol - Twist-Lock Cell (347V)
PSC	Shorting Cap - Twist-Lock



#2 DRILL PATTERN FOR POLES

Due to our continued efforts to improve our products, product specifications are subject to change without notice.

SPAULDING
LIGHTING

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For more information visit our web site: www.spauldinglighting.com