



VII. A.

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: June 9, 2014

From: Jonathan Raiche
Senior Planner

Location: South of Olive Street Road, west of Spirit Valley East Drive

Applicant: Rainbow Point Properties, LLC

Description: **Spirit Valley Business Park, Lot 16:** A Site Development Section Plan, Lighting Plan, Landscape Plan, Architectural Elevations and an Architect's Statement of Design for a 3.123 acre tract of land zoned "PI" Planned Industrial District located on the south side of Olive Street Road, west of Spirit Valley East Drive.

PROPOSAL SUMMARY

The request is for a one story, 19,508 square foot Office/Manufacturing/Warehouse building located in the center row of lots between Spirit Valley East Drive and Spirit Valley Central Drive. The subject site is zoned "PI" Planned Industrial District and is governed under the terms and conditions of City of Chesterfield Ordinance Number 2745. The exterior building materials will be comprised of tilt-up concrete, and glass. The proposed building elevations show articulation through use of glass, reveals, and colors.

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. Additionally, there were two lot splits approved for lot 9 and lot 1 in 2013.



Land Use and Zoning of Surrounding Properties

Direction	Land Use	Zoning
North	Office / Warehouse	"PI" Planned Industrial District
South	Vacant	"PI" Planned Industrial District
East	Office / Warehouse	"PI" Planned Industrial District
West	Vacant	"PI" Planned Industrial District

STAFF ANALYSIS

Zoning

The subject site is currently zoned "PI" Planned Industrial District under the terms and conditions of City of Chesterfield Ordinance Number 2745. The submittal was reviewed against the requirements of Ordinance Number 2745 and all applicable Zoning Ordinance requirements.

Traffic Access and Circulation

The site proposes one access point off Spirit Valley East Drive and one off Spirit Valley Central Drive utilizing the properties dual frontage. The sidewalk to provide circulation through this subdivision is located across the street.

Open Space

City of Chesterfield Ordinance Number 2745 requires a minimum of 30% open space for the development. The site, as proposed, shows approximately 39% open space. Open space is generally spread around the site and includes two rain garden locations on the west and south property lines.

Landscaping

A Landscape Plan has been submitted showing new trees and shrubs to be installed on the site. This plan does also include the relocation/replacement of existing trees along the north property line due to drainage needs on the site. The plan adheres to the Tree Preservation and Landscape Requirements Ordinance; however, the Architectural Review Board did include recommendations on the proposed landscaping (see *Architectural Elevations* section below) that have been met.

Parking

Parking for the site is provided along the perimeter of the site with the largest portion on the west side along Spirit Valley East Drive. The number of parking spaces provided meets the requirements of the Off-Street Parking, Stacking, and Loading Regulations section of the City of Chesterfield Zoning Ordinance.

Lighting

The plan proposes light standards along the western, eastern, and southern boundaries of the parking lot, six wall-mounted shoebox type fixtures, six wall mounted fixtures above man doors, and one light standard in the entry plaza. All the proposed fixtures are full cut off optics with perimeter fixtures being shielded and are compliant with City Code.

Architectural Elevations

The applicant is proposing a building of similar height and size as the adjacent structures. The design includes a single-story office/manufacturing/warehouse building similar to adjacent properties. The office portion is proposed at a height of 14 feet and the warehouse is proposed at a height of 24 feet. Additionally, elements such as large windows, reveals, and an entry plaza are proposed to provide a sense of human scale. 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.

The project was reviewed by the Architectural Review Board (ARB) on May 8th, 2014. A motion to forward to the Planning Commission was made by the ARB by a vote of 5-0 with the following recommendation:

1. *Include additional low-lying landscaping along the proposed fence line on the southeast corner of the property.*

Additional landscaping was provided in this area by the applicant in response to the ARB's recommendation.

DEPARTMENT INPUT

Staff has reviewed the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations, and Architect's Statement of Design and has found the proposal to be in compliance with the site specific ordinance and all City Code requirements. Staff recommends approval of the proposed development of Spirit Valley Business Park, Lot 16.

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 16.
- 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 16, with the following conditions..." (Conditions may be added, eliminated, altered or modified)

CC: Aimee Nassif, Planning and Development Services Director

Attachments: Site Development Section Plan
Landscape Plan
Lighting Plan
Architect's Statement of Design
Architectural Elevations

LOT 16 OF SPIRIT VALLEY BUSINESS PARK - SITE DEVELOPMENT SECTION PLAN

A TRACT OF LAND BEING LOT 16 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

257 Chesterfield Business Parkway
St. Louis, MO 63005 PH: (636) 530-9100 FAX: (636) 530-9101
e-mail: general@stockandassociates.com
Web: www.stockandassociates.com

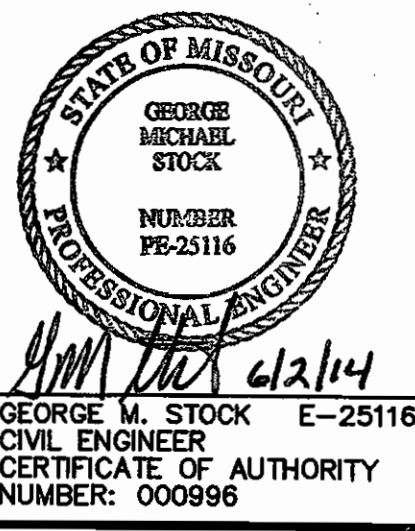
STOCK & ASSOCIATES
Consulting Engineers, Inc.

PREPARED BY:

SITE DEVELOPMENT SECTION PLANS FOR:

RAINBOW POINT PROPERTIES, LLC
617 SPIRIT VALLEY EAST DRIVE
CHESTERFIELD MISSOURI

DATE:



REVISIONS:

1	Per City Comments 4/24/14
2	Per City Comments 5/20/14

DATE	04/04/14	JOB NO.	214-5281
DATE	04/04/14	DATE	04/04/14
DATE	04/04/14	DATE	04/04/14

SHEET TITLE:
TITLE SHEET

SHEET NO.:
SDSP-1

LEGEND

ELECTRIC MANHOLE	(E)
EXISTING SANITARY SEWER	====
EXISTING STORM SEWER	====
EXISTING TREE	(T)
EXISTING BUILDING	[Hatched Box]
EXISTING CONTOUR	---533---
EXISTING SPOT ELEVATION	+533.25
EXISTING UTILITIES	G-W-T-E
PROPOSED CONTOUR	---530---
PROPOSED SPOT	+530.50
PROPOSED STORM SEWER	====
PROPOSED SANITARY SEWER	====
FIRE HYDRANT	(FH)
LIGHT STANDARD	(LS)
BUSH	(B)
SIGN	(S)
NOTES PARKING SPACES	(18)
GUY WIRE	(↑)
POWER POLE	(P)
WATER MANHOLE	(W)
WATER VALVE	(V)
DENOTES RECORD INFORMATION	()
HANDICAPPED PARKING	(H)
PHONE MANHOLE	(P)
OVERHEAD ELECTRIC	OE
UNDERGROUND TELEPHONE	UT
CONCRETE	CONC
ASPHALT	ASPH
POLYVINYL CHLORIDE	PVC
DENOTES WITH TRANSFORMER	W/T
SANITARY	SAN
SWALE	(S)
CHAIN-LINK FENCE	(F)
TRAFFIC FLOW	(→)
SAWCUT	(- - -)

ABBREVIATIONS

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

BENCHMARK

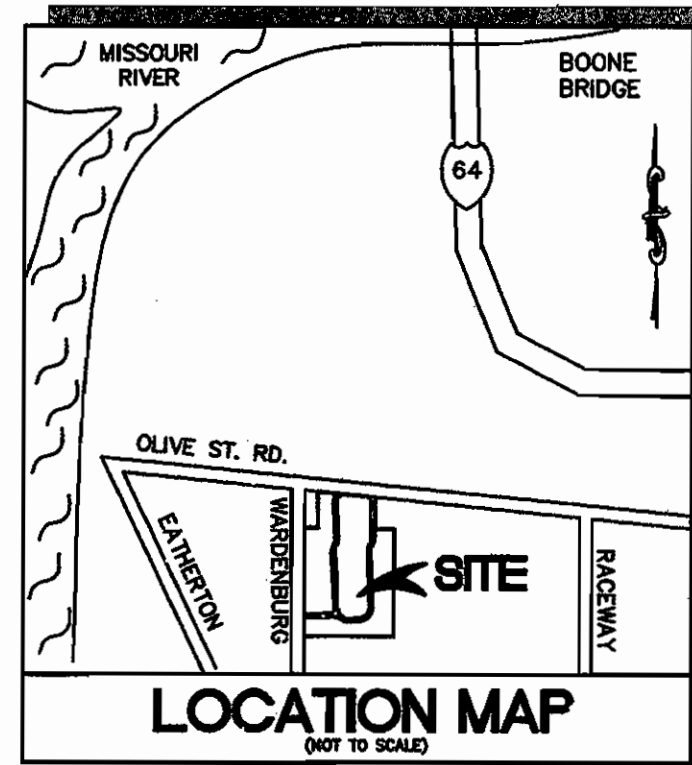
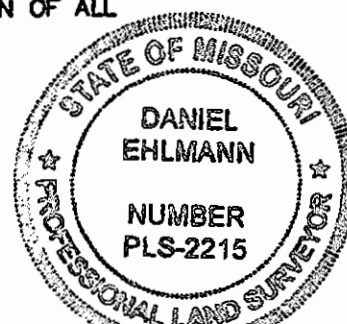
SL-40 BRASS DISC STAMPED "SL-40, 1980" ON THE NORTH SIDE OF NORTH OUTER 40 RD, ACROSS FROM THE INTERSECTION OF SPIRIT OF ST. LOUIS BOULEVARD. ELEV.=488.55

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 EXISTING AND PROPOSED LAND DIVISIONS.

STOCK AND ASSOCIATES CONSULTING ENGINEERS, INC.
L.S. No. 222-D

By: *Daniel Ehlmann* 4/23/14
DANIEL EHLMANN, MISSOURI L.S. NO. 2215



SITE INFORMATION

ADDRESS LOT 16	= 617 SPIRIT VALLEY EAST DRIVE CHESTERFIELD, MO 63005
SITE AREA	= LOT 16: 3.123 ACRES
OWNER	= SPIRIT VALLEY DEVELOPMENT, LLC
CITY	= CITY OF CHESTERFIELD
FLOOD MAP	= 29189C0120H
SEWER DISTRICT	= MSD
WATERSHED	= MISSOURI RIVER
FIRE DISTRICT	= MONARCH CHESTERFIELD
SCHOOL DISTRICT	= ROCKWOOD R-6
ELECTRIC SERVICE	= AMEREN
GAS SERVICE	= LACLEDE GAS
PHONE SERVICE	= ATT
WATER SERVICE	= MO. AMERICAN WATER CO.
CABLE SERVICE	= CHARTER COMMUNICATIONS

NOTES

- BOUNDARY AND TOPOGRAPHICAL SURVEY BY STOCK AND ASSOCIATES CONSULTING ENGINEERS, INC. (BASIS OF BEARINGS: MISSOURI STATE PLANE, GRID NORTH)
- SUBJECT PROPERTY LIES WITHIN FLOOD ZONE "X" (AREAS OF 500-YEAR FLOOD; AREAS OF 100-YEAR FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 100-YEAR FLOOD) ACCORDING TO THE NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP FOR ST. LOUIS COUNTY, MISSOURI AND INCORPORATED AREAS PER MAP NO. 29189C0120 H WITH AN EFFECTIVE DATE OF AUGUST 2, 1995 AND REVISED TO REFLECT LOMR DATED APRIL 17, 2000. (APPROXIMATE 100 YR. EL. 460 PER CHESTERFIELD MASTER PLAN MODEL)
- ALL UTILITIES SHOWN HAVE BEEN LOCATED BY THE ENGINEER FROM AVAILABLE RECORDS. THEIR LOCATION SHOULD BE CONSIDERED APPROXIMATE. THE CONTRACTOR HAS THE RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES, PRIOR TO CONSTRUCTION, TO HAVE EXISTING UTILITIES FIELD LOCATED. SHOULD ANY CONFLICTS BE EVIDENT, THE CONTRACTOR SHALL NOTIFY THE OFFICE OF THE ENGINEER IMMEDIATELY.
- ON-SITE STORM WATER DRAINAGE REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE CHESTERFIELD VALLEY MASTER STORM WATER DRAINAGE PLAN AND AS DIRECTED BY THE CITY OF CHESTERFIELD AND MSD.
- ALL PROPOSED UTILITIES SHALL BE CONSTRUCTED TO THE CITY OF CHESTERFIELD STANDARDS.
- ALL GRADING AND DRAINAGE TO BE IN CONFORMANCE WITH THE CITY OF CHESTERFIELD AND MSD STANDARDS.
- STORM WATER SHALL BE DISCHARGED AT AN ADEQUATE NATURAL DISCHARGE POINT. SINKHOLES ARE NOT ADEQUATE DISCHARGE POINTS.
- THE MAXIMUM HEIGHT OF BUILDINGS SHALL NOT EXCEED FORTY (40) FEET.
- THIS SITE DEVELOPMENT SECTION PLAN WILL ADHERE TO THE PARKING AND LOADING REGULATIONS OF THE CITY OF CHESTERFIELD CODE.
- NO PARKING SHALL BE PERMITTED ON ANY ROADWAY IN OR ADJACENT TO THE DEVELOPMENT AS REQUIRED BY THE SITE SPECIFIC ORDINANCE.
- ALL UTILITIES WILL BE INSTALLED UNDERGROUND. THE DEVELOPMENT OF THIS PARCEL WILL COORDINATE THE INSTALLATION OF ALL UTILITIES IN CONJUNCTION WITH THE CONSTRUCTION OF ANY ROADWAY.
- SIGNAGE IN ACCORDANCE WITH THE REQUIRED SPIRIT VALLEY SIGN PACKAGE SHALL BE PROVIDED FOR THIS LOT.
- ALL LIGHTING SHALL CONFORM TO THE LIGHTING ORDINANCE OF THE CITY OF CHESTERFIELD
- PLANS SUBJECT TO CHANGE PENDING AGENCY REVIEWS AND FINAL ENGINEERING.
- THERE WILL BE NO ROOFTOP MOUNTED HVAC UNITS.
- ALL UTILITY BOXES, INCLUDING TRANSFORMERS AND METERS, EXCEPT WHEN FLUSH WITH GROUND, WILL BE SCREENED AS REQUIRED BY CITY OF CHESTERFIELD CODE (APPENDIX A, SECTION 1003.177.11(D)).

SHEET INDEX

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

PARKING CALCULATIONS

REQUIRED PARKING:	
(MINIMUM)	
OFFICE:	3.5 SPACES PER 1,000 GROSS FLOOR AREA OF OFFICE (3.5 x 1,858 = 8 SPACES)
WAREHOUSE:	2 SPACES FOR EVERY 3 EMPLOYEES ON THE MAXIMUM SHIFT (28 EMPLOYEES = 18 SPACES)
TOTAL PERMITTED (MINIMUM):	24 SPACES
(MAXIMUM)	
OFFICE:	4.5 SPACES PER 1,000 GROSS FLOOR AREA OF OFFICE (4.5 x 1,858 = 8 SPACES)
WAREHOUSE:	1.2 SPACES PER EMPLOYEE ON THE MAXIMUM SHIFT (28 EMPLOYEES = 33 SPACES)
TOTAL PERMITTED (MAXIMUM):	41 SPACES
TOTAL PROVIDED:	30 SPACES (2 ACCESSIBLE)
SERVICE VEHICLES:	14 SERVICE VEHICLE SPACES PROVIDED
REQUIRED LOADING:	10x40 LOADING SPACE (1)
TOTAL REQUIRED:	1 SPACE
TOTAL PROVIDED:	1 SPACE

OPENSOURCE CALCULATIONS

TOTAL SITE AREA:	136,019 S.F.
BUILDING:	19,508 S.F.
VEHICLE PAVEMENT:	63,558 S.F.
PERCENT OPENSOURCE:	$[(136,019 - (63,558 + 19,508)) / 136,019] \times 100 = 38.9\%$

(Name of Owner(s)) _____ the owner under contract of the property shown on this plan for and in consideration of being granted a permit to develop property under the provisions of Chapter 1003.150

(applicable subsection) _____ P.I. _____ of the City of Chesterfield (present zoning)

Ordinance No. _____ 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 Planning Commission, or voided or vacated by order of the City of Chesterfield Council.

(Signature): _____

(Name printed): _____

STATE OF MISSOURI }
COUNTY OF ST. LOUIS } SS.

On this _____ day of _____, A.D., 2014, before me personally appeared

(Officer of Corporation) _____, to me known, who, being by me duly sworn in, did say that he/she is the _____ of _____ (Name of Corporation)

a corporation in the State of Missouri, and that the seal affixed to the foregoing instruments is the corporate seal of said corporation, and that said instrument was signed on behalf of said corporation by authority of its Board of Directors, and the

(Officer of Corporation) _____ acknowledged said instrument to be the free act and deed of said corporation.

IN WITNESS WHEREOF, I have signed and sealed the foregoing the day and year first above written.

Notary Public

Print Name

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 2014, 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.

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

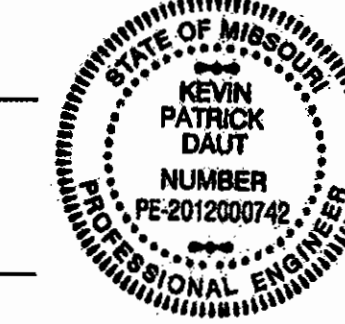
Wickie Haas, City Clerk
City of Chesterfield, Missouri

GEOTECHNICAL STATEMENT

Midwest Testing, at the request of Rainbow Point Properties, LLC has provided geotechnical services for the project proposed hereon. A geotechnical investigation was conducted during April 2014 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 Exploration Chesterfield Fence and Deck Warehouse, Chesterfield, Missouri, dated April 17, 2014. (MT Job No. 13538)

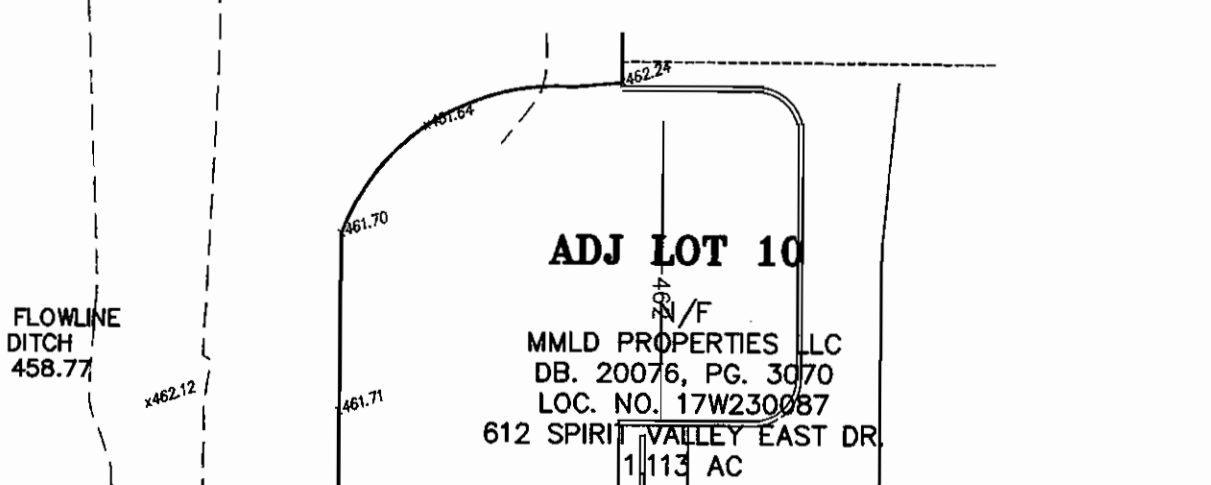
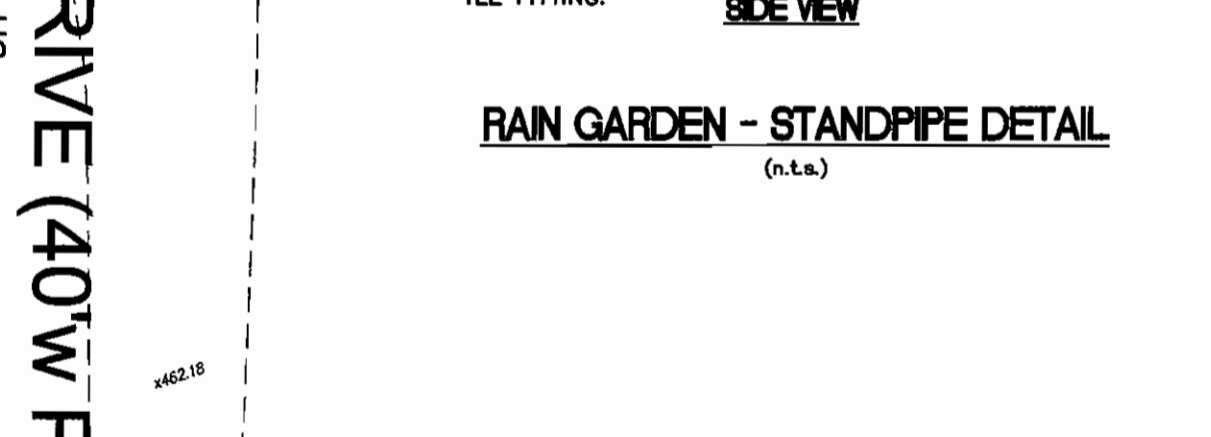
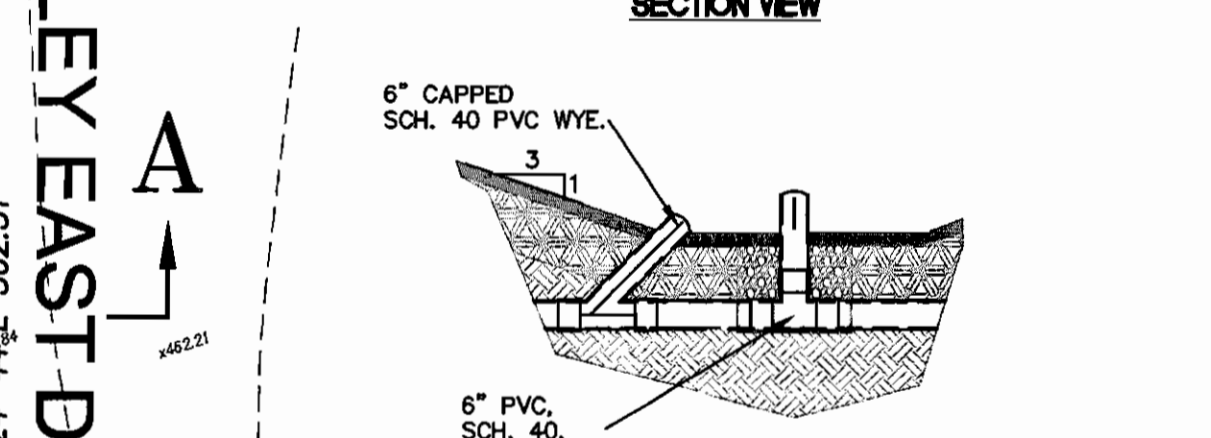
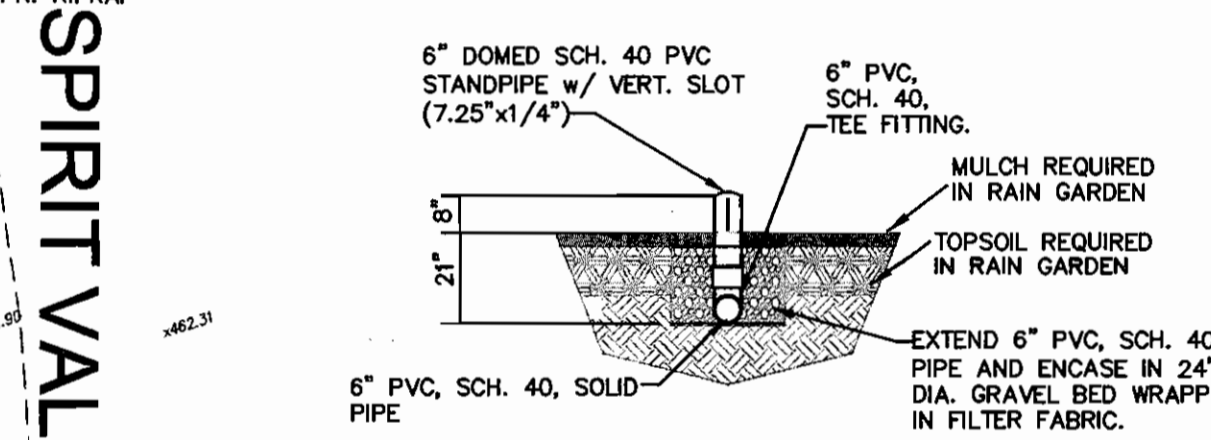
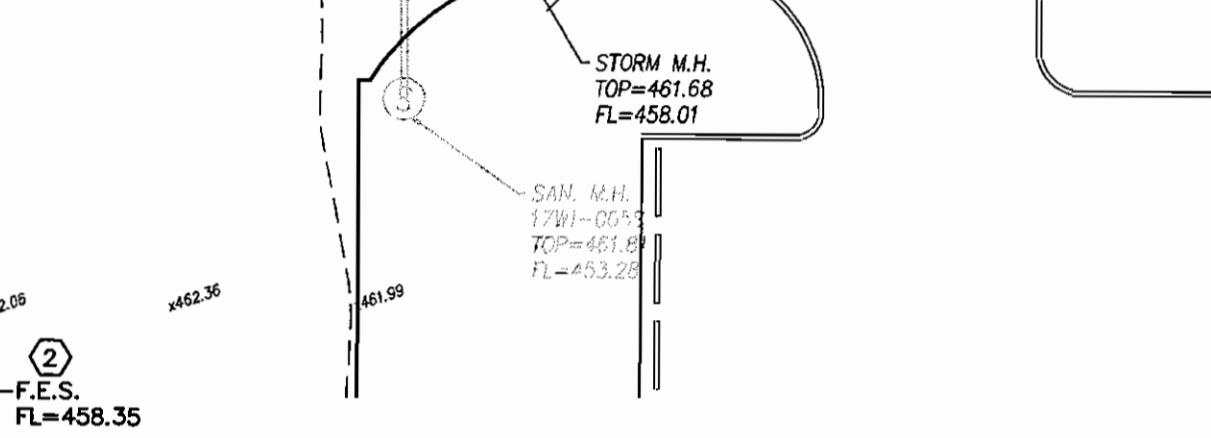
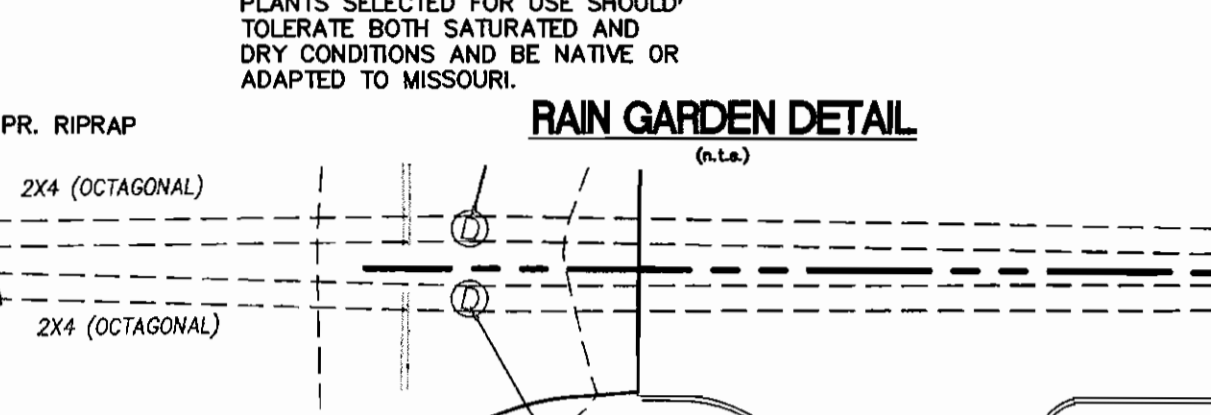
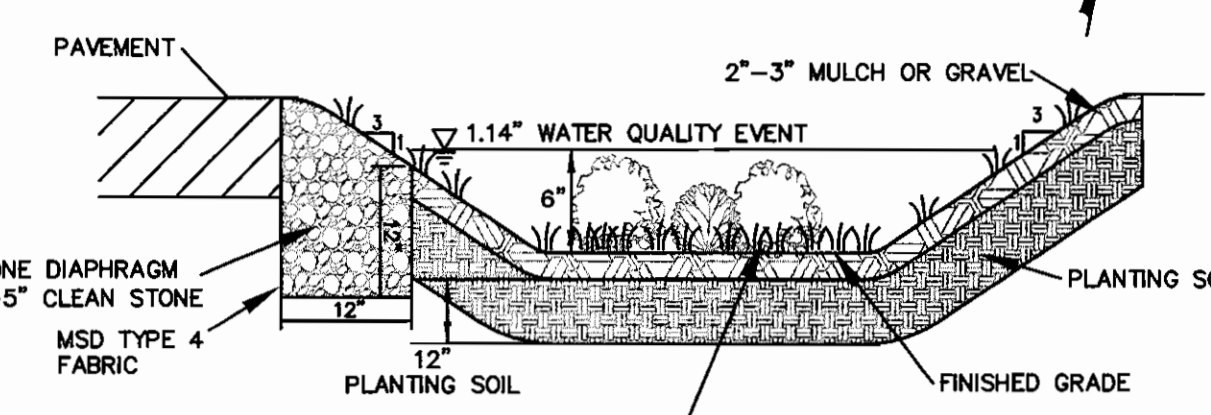
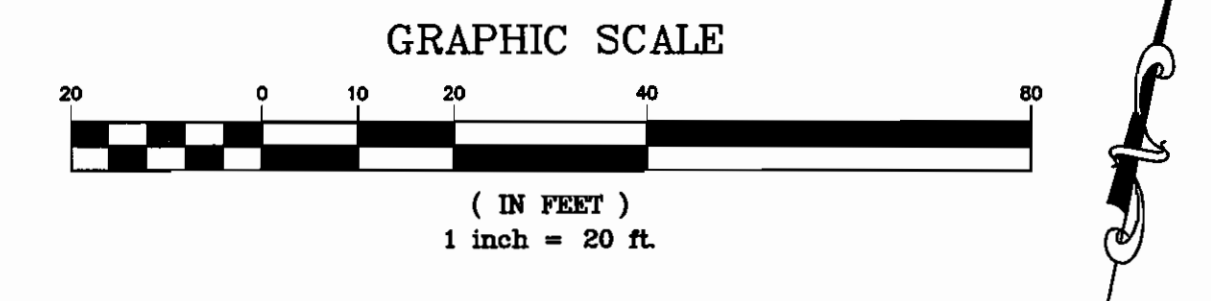
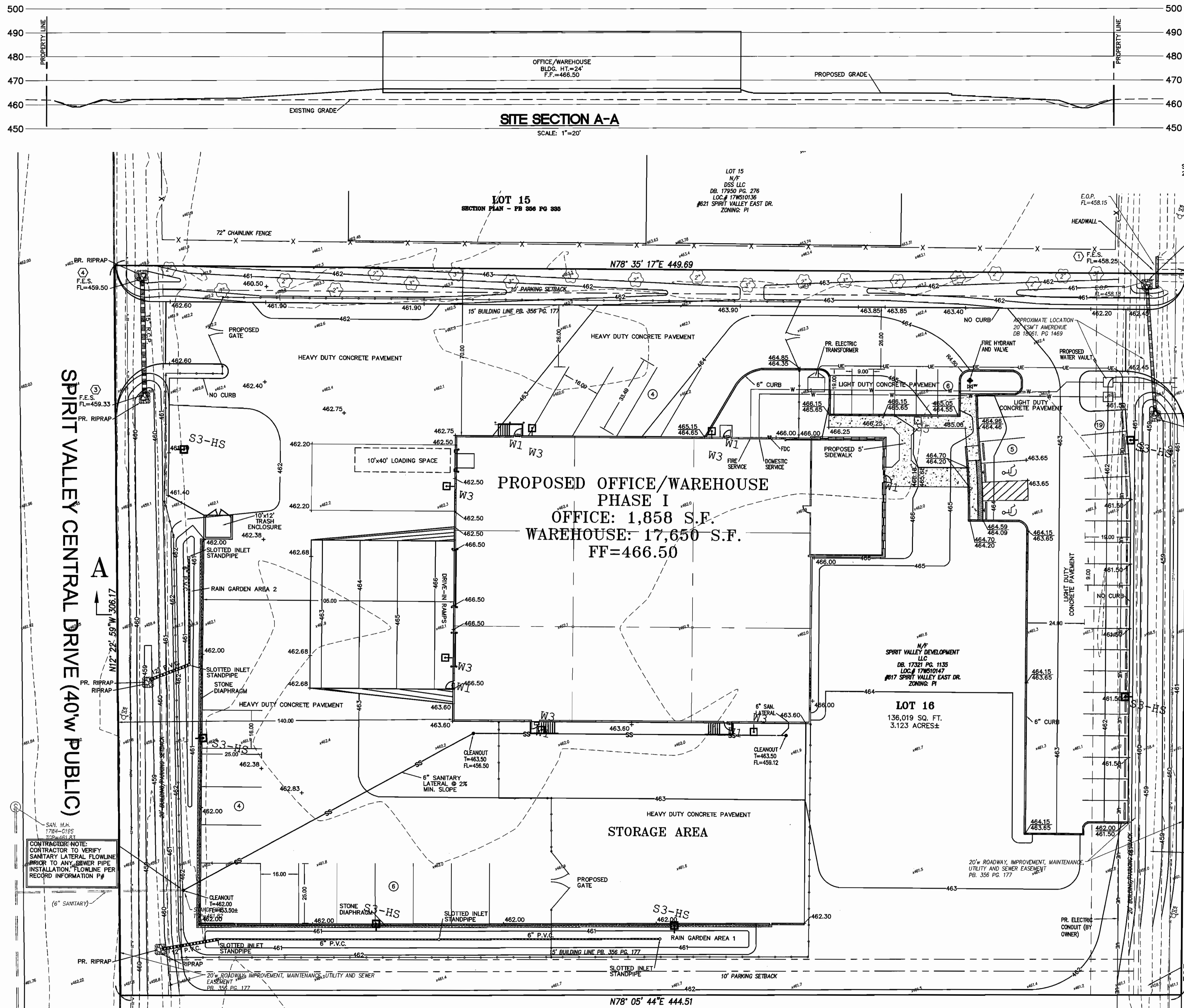
Kevin P. Daut

Kevin P. Daut, P.E.



4/23/14

Date



257 Chesterfield Business Parkway
 St. Louis, MO 63015 PH: (636) 590-9100 FAX: (636) 590-9101
 e-mail: general@stockandassociates.com Web: www.stockandassociates.com

Stock & Associates
 Consulting Engineers, Inc.

PREPARED BY:
RAINBOW POINT PROPERTIES, LLC
 617 SPIRIT VALLEY EAST DRIVE
 CHESTERFIELD MISSOURI

SITE DEVELOPMENT SECTION PLANS FOR:

DATE:

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

REVISIONS:
 1 Per City Comments 4/24/14
 2 Per City Comments 5/20/14

DRAWN BY: E.J.F. CHECKED BY: G.M.S.
 DATE: 04/04/14 JOB NO.: 214-5281
 M.S.D. # BASE MAP #
 S.L.C. # H.A.T. #
 M.D.A. # MO-00
 SHEET TITLE:
SITE PLAN

SHEET NO.:
SDSP-2

OPENSOURCE CALCULATIONS:

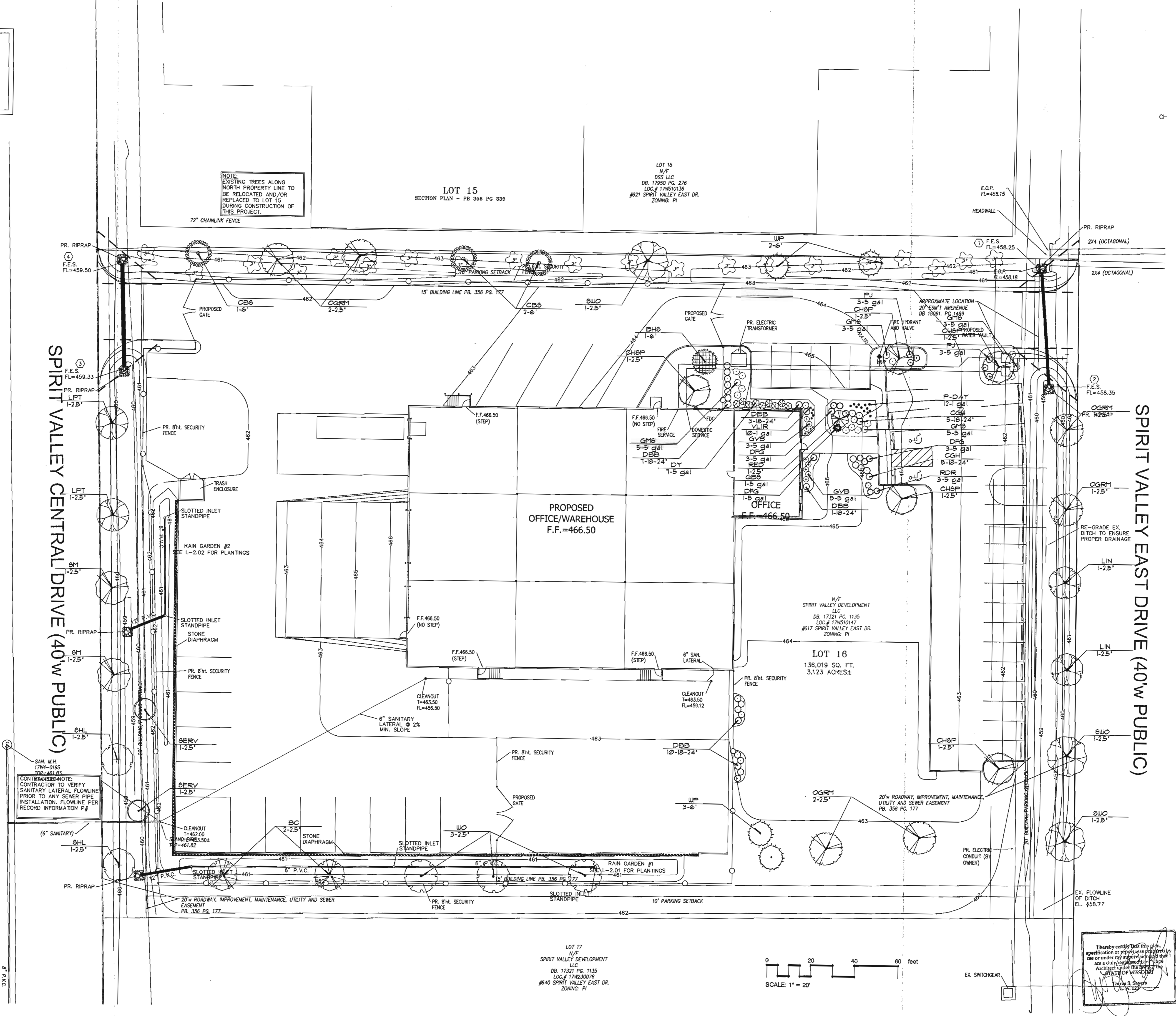
SITE: 136,019 Sq. Ft.
 OPENSOURCE: 52,953 Sq. Ft.
 (Approx. 38.9 % openspace)

Drawn by: CJA
 Scale: 1" = 20'
 Date: 3-27-14
 Revised: 4-23-14
 5-16-14

**BAXTER FARMS
 and NURSERIES**
 3411 CREVE COEUR MILL ROAD
 ST. LOUIS, MISSOURI 63146
 314/542-9400

Landscape Planting Plan For:
Rainbow Point Properties, LLC
 617 Spirit Valley East Drive
 Chesterfield, MO

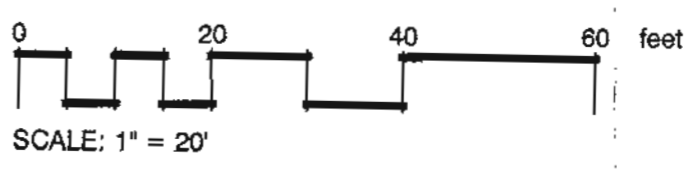
Drawing Number:
L-1
 of two



NOTE:
 EXISTING TREES ALONG
 NORTH PROPERTY LINE TO
 BE RELOCATED AND/OR
 REPLACED TO LOT 15
 DURING CONSTRUCTION OF
 THIS PROJECT.

CONTRACTOR NOTE:
 CONTRACTOR TO VERIFY
 SANITARY LATERAL FLOWLINE
 PRIOR TO ANY SEWER PIPE
 INSTALLATION. FLOWLINE PER
 RECORD INFORMATION P#

I hereby certify that this plan
 specification or report was prepared
 by me or under my supervision and that
 I am a duly registered Professional
 Architect under the laws of the
 State of Missouri.
 Thomas S. Shyers



LOT 17
 N/F
 SPIRIT VALLEY DEVELOPMENT
 LLC
 DB. 17321 PG. 1135
 LOC. # 17W230076
 #640 SPIRIT VALLEY EAST DR.
 ZONING: P1

LOT 15
 SECTION PLAN - PB 356 PG 336

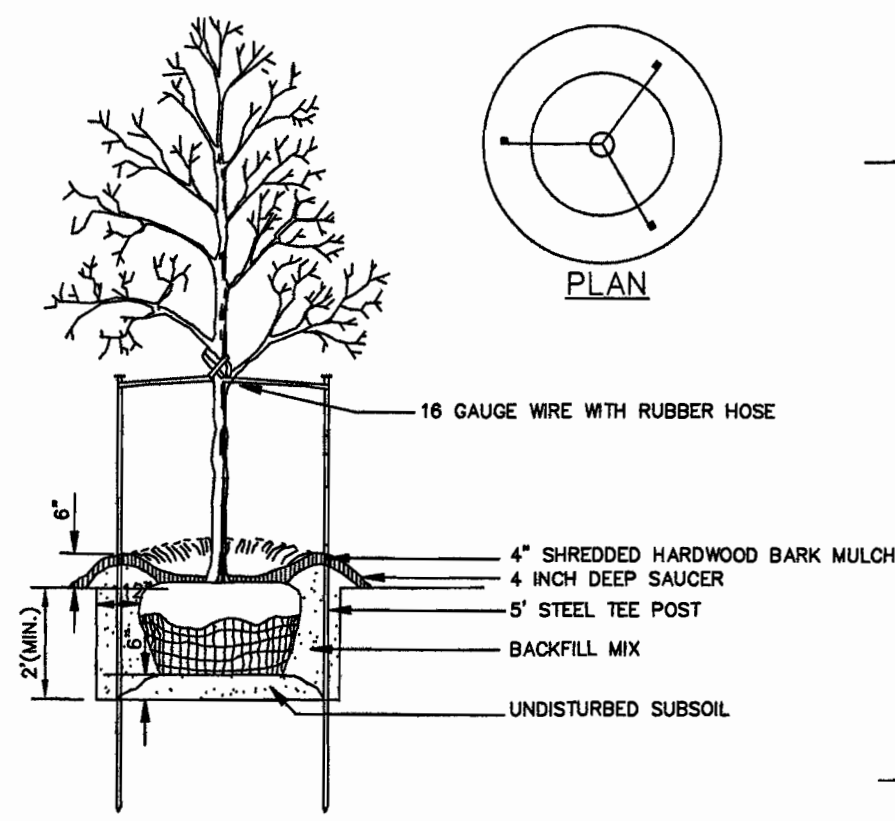
LOT 15
 N/F
 DSS LLC
 DB. 17350 PG. 276
 LOC. # 17W510136
 #621 SPIRIT VALLEY EAST DR.
 ZONING: P1

LOT 16
 136,019 SQ. FT.
 3.123 ACRES±

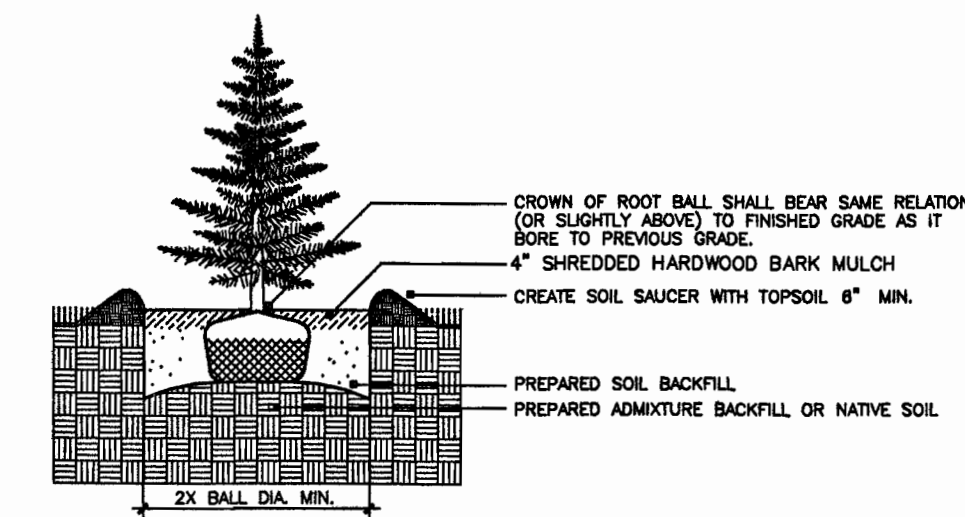
N/F
 SPIRIT VALLEY DEVELOPMENT
 LLC
 DB. 17321 PG. 1135
 LOC. # 17W510147
 #617 SPIRIT VALLEY EAST DR.
 ZONING: P1

SPIRIT VALLEY CENTRAL DRIVE (40'w PUBLIC)

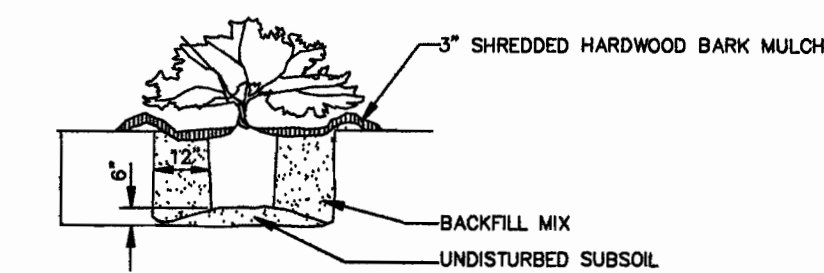
SPIRIT VALLEY EAST DRIVE (40'w PUBLIC)



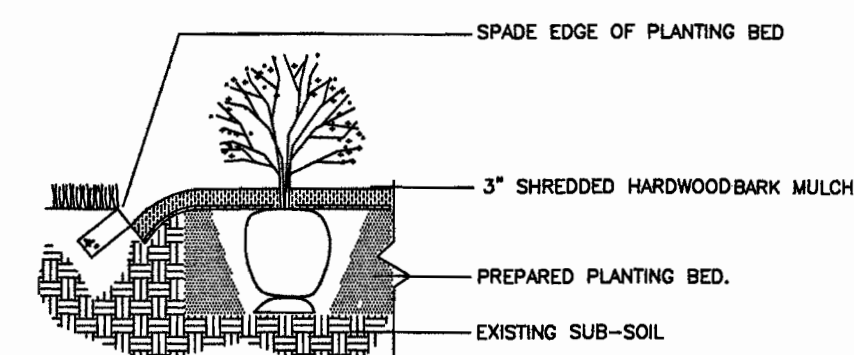
1 DECIDUOUS TREE PLANTING (3" Cal. of Larger) L-1 N.T.S.



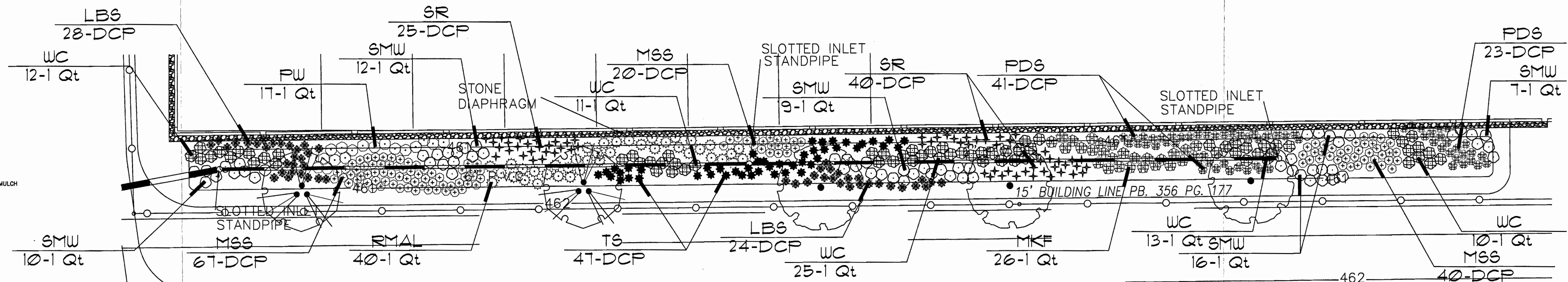
2 EVERGREEN TREE PLANTING L-1 N.T.S.



3 SHRUB PLANTING L-1 N.T.S.

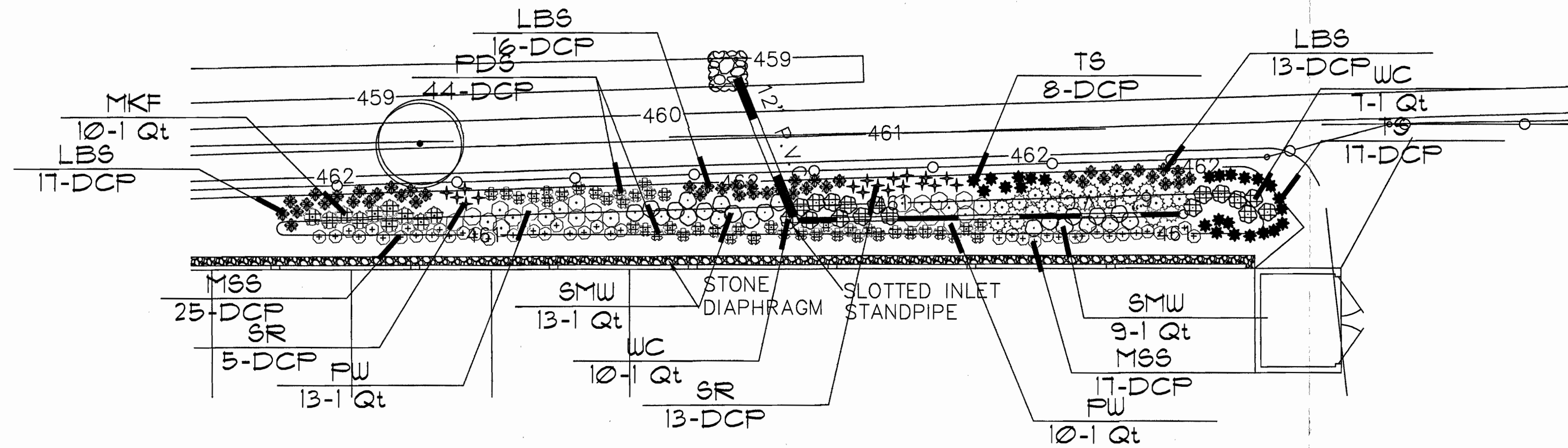


4 SPADE-CUT EDGE DETAIL L-1 N.T.S.



L-2.01: RAINGARDEN #1

SCALE: 1" = 10'



L-2.02: RAINGARDEN #2

SCALE: 1" = 10'

NOTES:

- SITE TO BE IRRIGATED BY AUTOMATIC IRRIGATION SYSTEM.
- ALL MULCH TO BE SHREDDED HARDWOOD BARK MULCH AT 3" DEPTH UNLESS OTHERWISE NOTED ON PLANS. ALL BEDS TO RECEIVE A SPADE CUT EDGE UNLESS OTHERWISE NOTED ON PLANS.
- THE LANDSCAPE CONTRACTOR IS TO RECEIVE THE SITE GRADE TO WITHIN 1/8" OF FINAL GRADE.
- ALL PLANT MATERIAL (EXCLUDING GROUNDCOVER, PERENNIALS, & ANNUALS) SHALL BE WARRANTED FOR 12-MONTHS AFTER INSTALLATION AT 100% COST.
- ALL DISTURBED AREAS TO BE SEEDDED WITH A FESCUE/BUEGRASS BLEND. CONTRACTOR TO PROVIDE AN ALTERNATE FOR SOD.
- ONE (1) TREE IS REQUIRED FOR EVERY FIFTY (50) LIN. FEET OF STREET FRONTAGE.
- 30% OF TREES TO BE PLANTED MUST BE QUALIFIED AS SLOW/MEDIUM GROTH RATE TREES PER APPENDIX 'A'.
- TREES ARE CATEGORIZED AS EITHER DECIDUOUS, EVERGREEN, OR ORNAMENTAL. NO LESS THAN 20% OF EACH CATEGORRY MUST BE REPRESENTED.
- LANDSCAPE ISLANDS AT THE END OF A SINGLE ROW OF PARKING SHALL RECEIVE ONE (1) DECIDUOUS TREE PER ISLAND.
- LANDSCAPE ISLANDS AT THE END OF A DOUBLE ROW SHALL RECEIVE TWO (2) DECIDUOUS TREES PER ISLAND.
- UPON RELEASE OF LANDSCAPE INSTALLATION BOND, A TWO (2) YEAR LANDSCAPE MAINTENANCE BOND SHALL BE REQUIRED.

STREET TREE CALCULATION:

- 574' LIN. FT. STREET FRONTAGE
 $574 / 50' = 11.5$ STREET TREES REQUIRED
 -TWELVE (12) STREET TREES PROVIDED
 -(2) SWAMP WHITE OAK
 -(2) OCTOBER GLORY RED MAPLE
 -(2) SUGAR MAPLE
 -(2) SKYLINE HONEYLOCUST
 -(2) LONDON PLANETREE
 -(2) LITTLELEAF LINDEN

SLOW/MEDIUM GROWTH RATE CALCULATION:

- 38 TOTAL TREES
 $30\% = 11.4$ TREES REQUIRED TO BE SLOW/MEDIUM
 -18 TREES PROVIDED (APPROX. 47%)

PLANT-SCHEDULE

DECIDUOUS	QTY	COMMON NAME / BOTANICAL NAME	CONT	MATURITY
OGRM	6	October Glory Maple / <i>Acer rubrum</i> 'October Glory'	2.5'	45+
SM	2	Sugar Maple / <i>Acer saccharum</i>	2.5'	45+
SHL	2	Skyline Honeylocust / <i>Gleditsia triacanthos</i> var. <i>inermis</i> 'Skyline'	2.5'	45+
LPT	2	London Plane Tree / <i>Platanus acerifolia</i> 'Bloodgood'	2.5'	45+
WO	3	White Oak / <i>Quercus alba</i>	2.5'	45+
SWO	2	Swamp White Oak / <i>Quercus bicolor</i>	2.5'	45+
LIN	2	Littleleaf Linden / <i>Tilia cordata</i>	2.5'	45+
BC	2	Bald Cypress / <i>Taxodium distichum</i>	2.5'	45+
EVERGREEN	QTY	COMMON NAME / BOTANICAL NAME	CONT	MATURITY
WP	4	White Pine / <i>Pinus strobus</i>	6'	45+
BHS	1	Black Hills Spruce / <i>Picea glauca densata</i>	6'	30-40'
CBS	3	Colorado Blue Spruce / <i>Picea pungens</i>	6'	30-40'
ORNAMENTAL	QTY	COMMON NAME / BOTANICAL NAME	CONT	MATURITY
RED	1	Eastern Redbud / <i>Cercis canadensis</i>	2.5'	25-30'
CHOP	5	Chanticleer Select Pear / <i>Pyrus calleryana</i> 'Chanticleer'	2.5'	15-25'
SERV	2	Serviceberry / <i>Amelanchier arborea</i>	2.5'	25-30'
SHRUBS	QTY	COMMON NAME / BOTANICAL NAME	CONT	MATURITY
GVB	8	Green Velvet Boxwood / <i>Buxus</i> x 'Green Velvet'	5 gal	30-36"
DBB	21	Dwarf Burning Bush / <i>Euonymus alatus</i> 'Compactus'	18-24'	4-5'
P-DAY	12	Pardon Me Daylily / <i>Hemerocallis</i> hybrid 'Pardon Me'	1 gal	12-15'
CGH	10	China Girl Holly / <i>Ilex meserveae</i> 'China Girl'	18-24'	4-5'
FJ	6	Procurbens Juniper / <i>Juniperus sabinna</i> 'Procurbens Nana'	5 gal	2-3'
VLIR	10	Variegated Liriope / <i>Liriope muscari</i> 'Variegata'	1 gal	12"
DFG	7	Dwarf Fountain Grass / <i>Pennisetum alopecuroides</i> 'Hainin'	5 gal	24-30"
GBS	1	Globe Blue Spruce / <i>Picea concolor</i> 'Globoea'	5 gal	2-3'
RDR	3	Red Drift Rose / <i>Rosa</i> x 'Drift'	5 gal	2-3'
GMS	16	Goldmound Spirea / <i>Spiraea bumalda</i> 'Goldmound'	5 gal	2-3'
DY	9	Dense Yew / <i>Taxus media</i> 'Densiflora'	5 gal	4-5'

*Indicates Slow/Medium Growth Rate

PLANT-SCHEDULE-RAINGARDENS

FORBS	QTY	COMMON NAME / BOTANICAL NAME	CONT
SMW	86	Swamp Milkweed / <i>Asclepias incarnata</i>	1 Qt
RMAL	60	Rose Mallow / <i>Hibiscus lasiocarpus</i>	1 Qt
MKF	36	Monkeyflower / <i>Mimulus ringens</i>	1 Qt
FW	40	Pickering Weed / <i>Pontederia cordata</i>	1 Qt
WC	88	Wild Canna / <i>Thalia dealbata</i>	1 Qt
NATIVE GRASSES	QTY	COMMON NAME / BOTANICAL NAME	CONT
MSS	163	Morning Star Sedge / <i>Carex grayi</i>	DCP
TS	72	Tussock Sedge / <i>Carex stricta</i>	DCP
SR	83	Soft Juncus / <i>Juncus effusus</i>	DCP
LBS	98	Little Bluestem / <i>Schizachyrium scoparium</i>	DCP
PDS	108	Prarie Dropseed / <i>Sporobolus heterolepis</i>	DCP

I hereby certify that this plan, specification or report was prepared by me or under my supervision and that I am a duly registered Landscape Architect under the laws of the STATE OF MISSOURI.

Theresa S. Sayens
L.A. 023

Drawn by: CJA
 Scale: 1" = 10'
 Date: 3-27-14
 Revised: 4-23-14
 5-16-14

BAXTER FARMS
 and NURSERIES
 3411 CREVE COEUR MILL ROAD
 ST. LOUIS, MISSOURI 63146
 314/542-9400

Landscape Planting Plan For:
Rainbow Point Properties, LLC
 617 Spirit Valley East Drive
 Chesterfield, MO

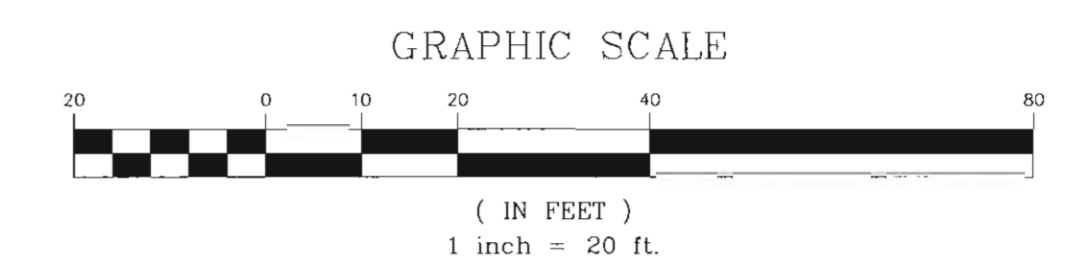
Drawing Number:
L-2
 of two

HIGHLIGHTED POINTS FALL BELOW .4 FC
 ALL FIXTURES SHOWN AT 20' AFG
 ALL FIXTURES ARE FULL CUTOFF (FLAT LENS) AND PERIMETER FIXTURES HAVE HOUSE SIDE SHIELDS
 PROPERTY LINE CALCULATIONS DO NOT EXCEED .5 FC

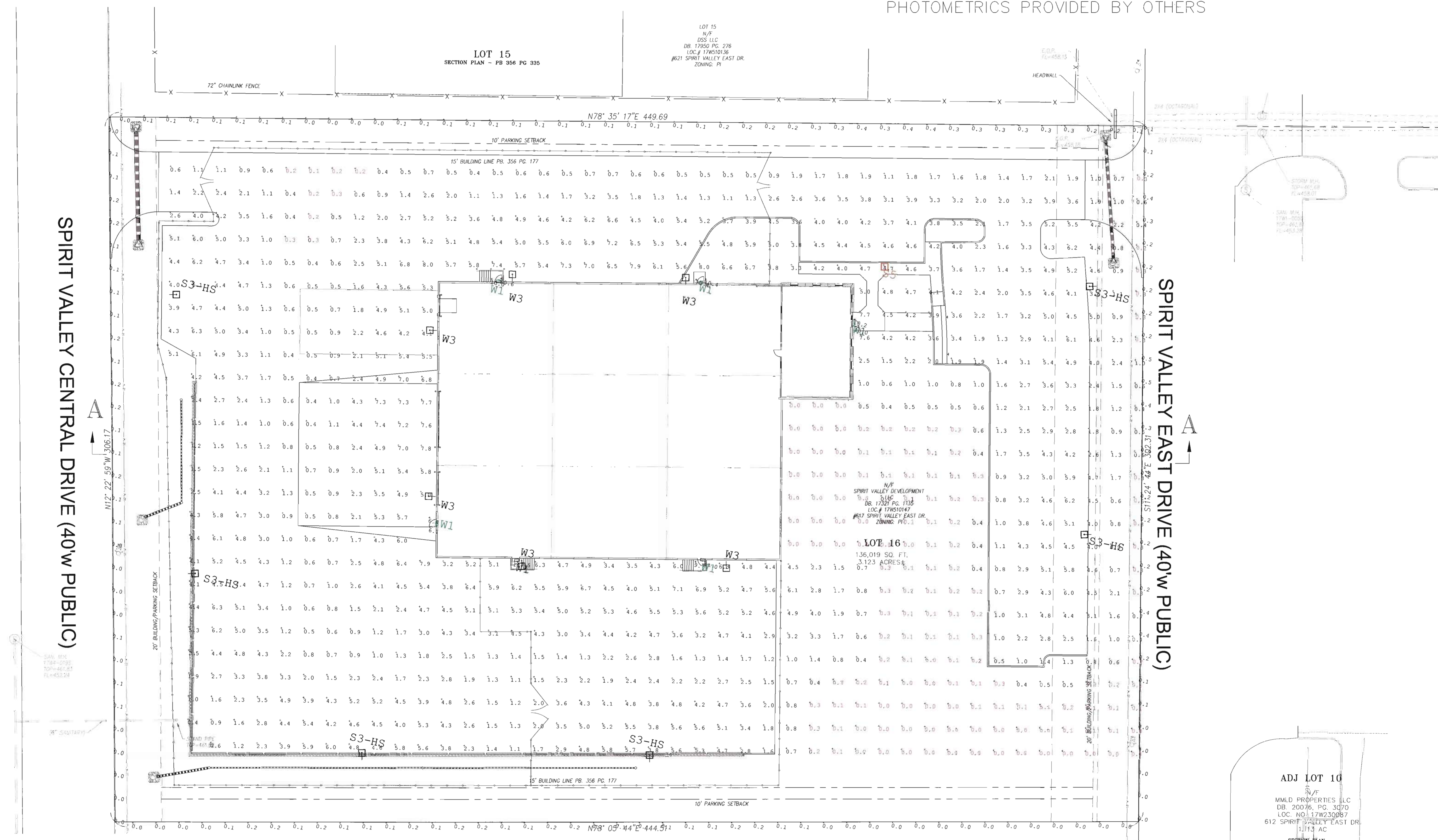
Initial Values							Maintained Values								
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
ALL CALC POINTS	Illuminance	Fc	2.61	8.0	0.0	N.A.	N.A.	BUILDING ENTRANCES	Illuminance	Fc	7.31	8.5	4.6	1.59	1.85
PROPERTY LINE	Illuminance	Fc	0.13	0.5	0.0	N.A.	N.A.	MATERIAL STORAGE (INACTIVE)	Illuminance	Fc	3.03	8.5	0.9	3.37	9.44
PAVED SURFACES	Illuminance	Fc	3.28	10.6	0.1	32.80	N.A.								

Luminaire Schedule					
Symbol	Qty	Label	Description	Total Lamp Lumens	LLF
□	6	S3-HS	MSV-X-P40-V3P-F-FGGS2 ON 18' POLE WITH 2' CONCRETE BASE	44000	1.000
□	1	S5	MSV-X-P40-V5P-F ON 18' POLE W 2' CONCRETE BASE	44000	1.000
□	6	W3	MSV-X-P40-V3P-F WALL MOUNTED @ 20' AFG	44000	1.000
□	6	W1	LCC42F WALL MOUNTED ABOVE MAIN DOORS @ 10' AFG	3200	1.000

LEC Date: 04/23/2014
 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



PHOTOMETRICS PROVIDED BY OTHERS



PREPARED BY:

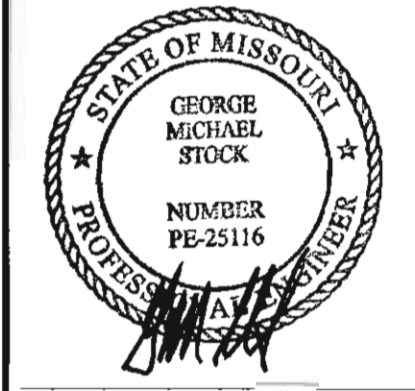
267 Chesterfield Business Parkway
 St. Louis, MO 63005 PH: (636) 530-9100 FAX: (636) 530-9150
 e-mail: general@stockandassociates.com
 Web: www.stockandassociates.com

STOCK & ASSOCIATES
 Consulting Engineers, Inc.

SITE DEVELOPMENT SECTION PLANS FOR:

RAINBOW POINT PROPERTIES, LLC
 617 SPIRIT VALLEY EAST DRIVE
 CHESTERFIELD MISSOURI

DATE:



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

REVISIONS:

1	Per City Comments 4/24/14
2	Per City Comments 5/20/14

DRAWN BY:	E.J.F.	CHECKED BY:	G.M.S.
DATE:	04/04/14	DWG NO.:	214-5281
M.S.D. P#:		BASE MAP #:	
S.L.C. MAT #:		MAT SUP. #:	
M.D.N.R. #:	MO-00		

SHEET TITLE:
PHOTOMETRIC PLAN

SHEET NO.:
SDSP-3

DRAWING FILE C:\DRAWING\2014\SDSP-3\SDSP-3.dwg LAYOUT: SDSP-3 PHOTOMETRIC PLAN PLOTTED: MAY 21, 2014 4:35pm PLOTTED BY: RAYWANG

April 24, 2014

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 Rainbow Point Properties, LLC
(Chesterfield Fence and Deck, Inc.)
Spirit Valley Business Park Lot 16

Chesterfield Fence & Deck Company, Inc. Information and Background

Chesterfield Fence & Deck Company is a locally owned and operated company located in Chesterfield Valley for over 45 years. They are proposing to build a new building and move their deck manufacturing to the new facility which is across Spirit Valley East Drive from their existing business in Chesterfield Valley. Their existing facility, which was constructed just 5 years ago will maintain their fence business and the main showroom for all their products. Chesterfield Fence & Deck specializes in sales and installation of fences, decks and other home improvements.

General Requirements for Site Design

This project consists of a one-story single tenant office/service building. The construction site is located between Spirit Valley East Drive and Spirit Valley Central Drive 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.

The transition from the street to the site utilizes an entrance for both automobile and truck traffic to help eliminate multiple curb cuts. The automobile parking in the front of the building, with added elements to enhance the overall design of the facility, provides safe passage to the entry plaza away from truck and delivery traffic. 5' wide sidewalks abut automobile parking and connect to the entry forming a beautiful flower garden at the entry plaza.

In keeping the existing standards of our neighbors we are providing a chain-link slatted fence around the warehouse portion of the building and truck yard with an automatic gate. This fence encloses the service vehicles (stored nightly) and the truck court and trash receptacle effectively screening the outdoor working center from view.

We are not proposing the use of any 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 and side office elevations are articulated with glass, reveals, level change and paint colors. The north and east sides of the warehouse portion of the building is designed similar to the front by adding tall 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 light standards around the building with wall-mounted, shoebox type fixtures on the warehouse portion 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.

This facility is being designed with an energy efficient heat pump system that will eliminate the need for roof top equipment. Therefore no roof screening is required or provided.

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 warehouse portion of the building is enclosed with a vinyl slatted chain-link fence (consistent with established businesses in the same development) which encloses the truck court and trash receptacle from public view.

The electrical service will be provided by the existing transformer located on the adjacent property to the south adjacent to Spirit Valley East Drive so no new electrical transformer will be added. 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 north and west sides of the building.

No street lighting is included in this project as the pattern of light standards falls on the other side of the street.

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 expanding their business 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:

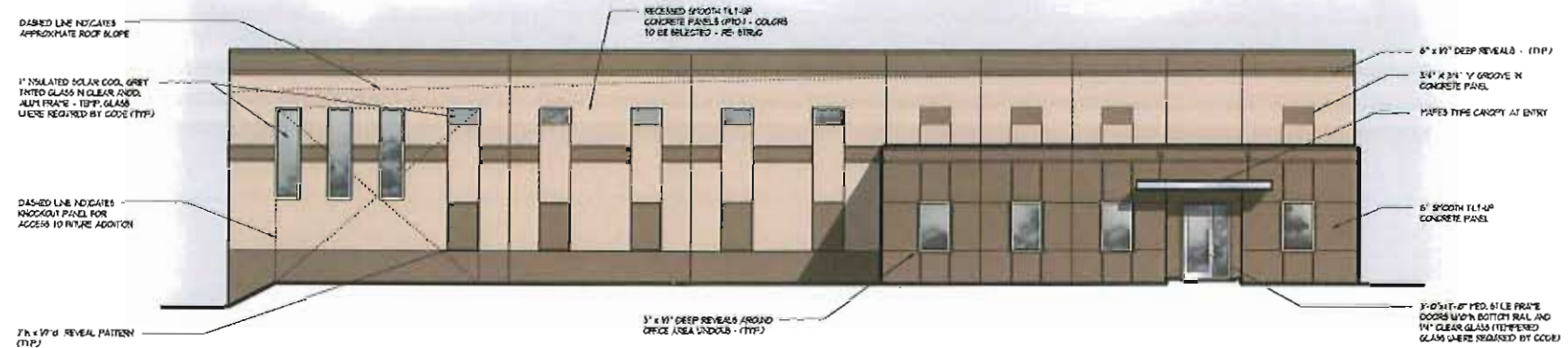
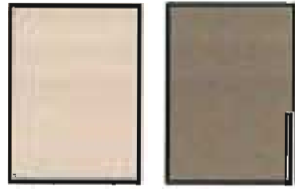
Glass and frame sample, and
Color samples of the concrete coatings.

End of Architects Statement

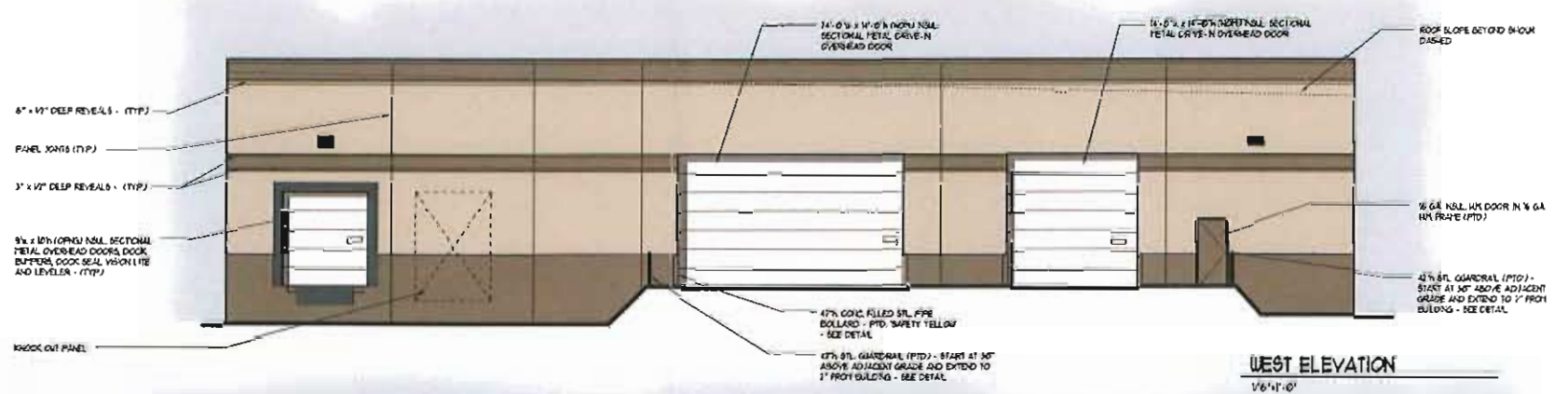


DIAL
ARCHITECTS

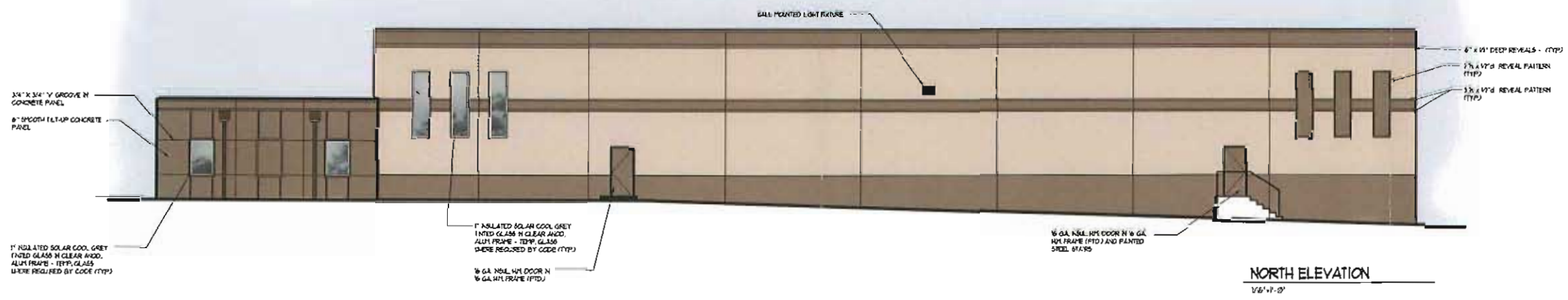
RICE



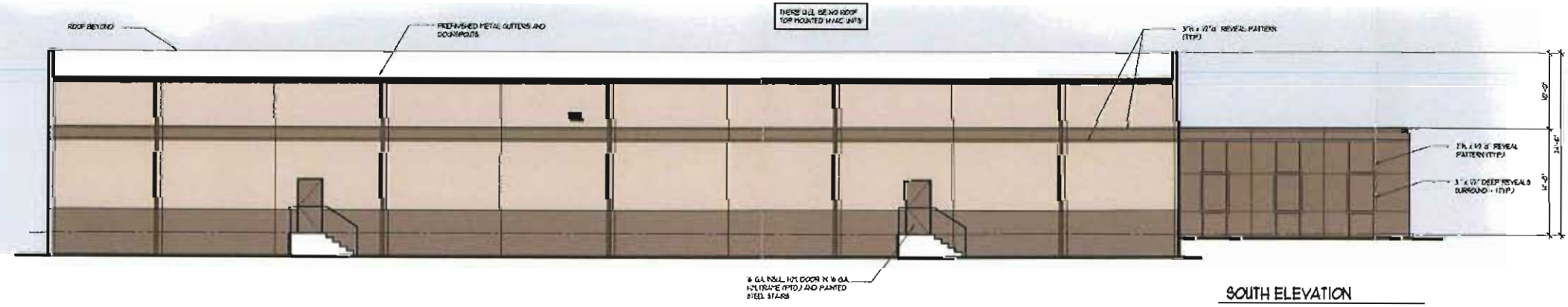
EAST ELEVATION
1/8" = 1'-0"



WEST ELEVATION
1/8" = 1'-0"



NORTH ELEVATION
1/8" = 1'-0"



SOUTH ELEVATION
1/8" = 1'-0"

General Contractor:

Structural Engineer:

Proposed New Facility for ...
Rainbow Point Properties, LLC
 617 Spirit Valley East Drive - Lot 16
 Chesterfield, Missouri 63005

ISSUE DATES:
 INITIAL CITY SUBMITTAL: 04-03-14
 ALTRIS CITY SUBMITTAL: 04-14-14
 REVISIONS: 04-21-14

COPYRIGHT © 2014 DAVID W. DIAL ARCHITECTS, P.C.

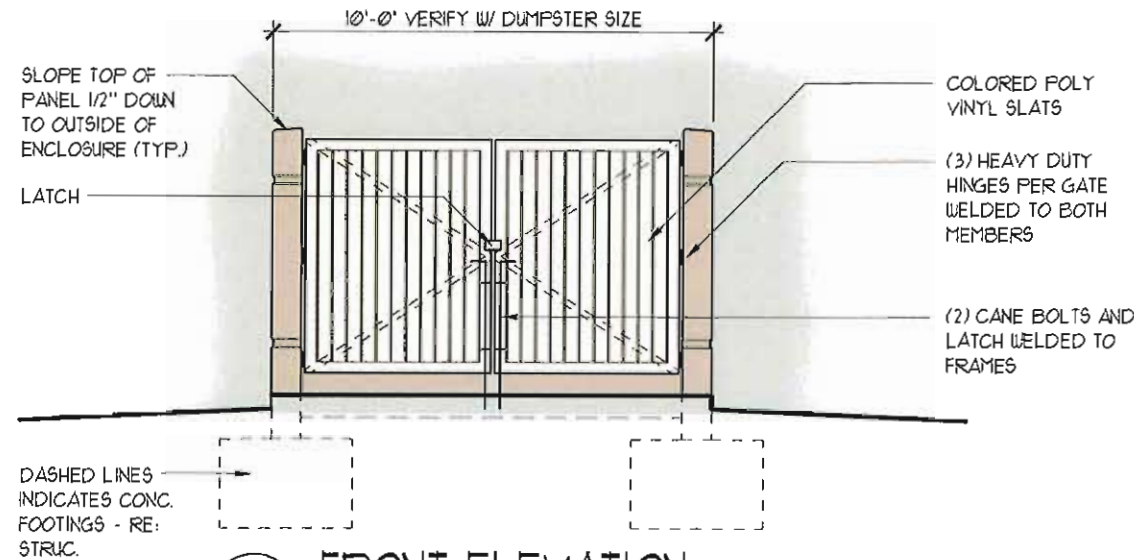
STATE OF MISSOURI REGISTERED ARCHITECT:
 DAVID WILLIAM DIAL - LICENSE NUMBER A-7331
 DAVID W. DIAL ARCHITECTS, P.C.
 ARCHITECTURE CORPORATION 2009443091

THE ARCHITECT'S SEAL ATTACHED TO THIS SHEET INDICATES THAT THE WORKED PROJECT HAS BEEN PREPARED OR CHECKED BY THE ARCHITECT. THE ARCHITECT'S SEAL SHALL NOT BE CONSIDERED VALID UNLESS IT IS ATTACHED TO THIS SHEET. THE ARCHITECT'S SEAL SHALL NOT BE CONSIDERED VALID UNLESS IT IS ATTACHED TO THIS SHEET. THE ARCHITECT'S SEAL SHALL NOT BE CONSIDERED VALID UNLESS IT IS ATTACHED TO THIS SHEET.

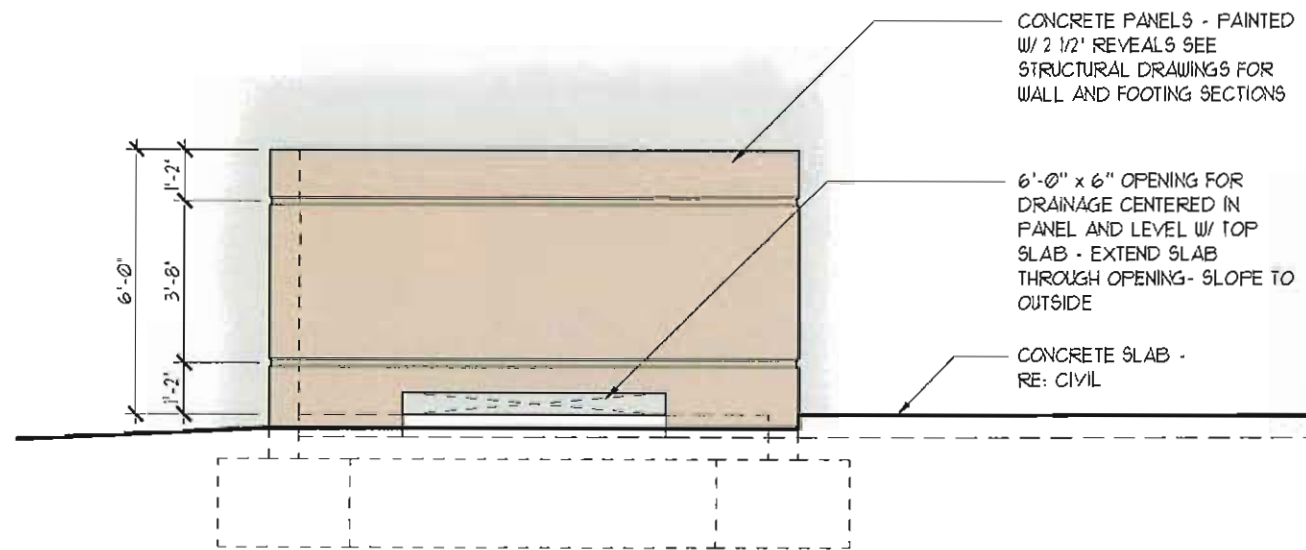
dial architects
 14358 Walnut Grove Road • Manchester, Missouri 63011
 636.230.0400 www.dialarchitects.com

SHEET NUMBER:
ELEVATIONS

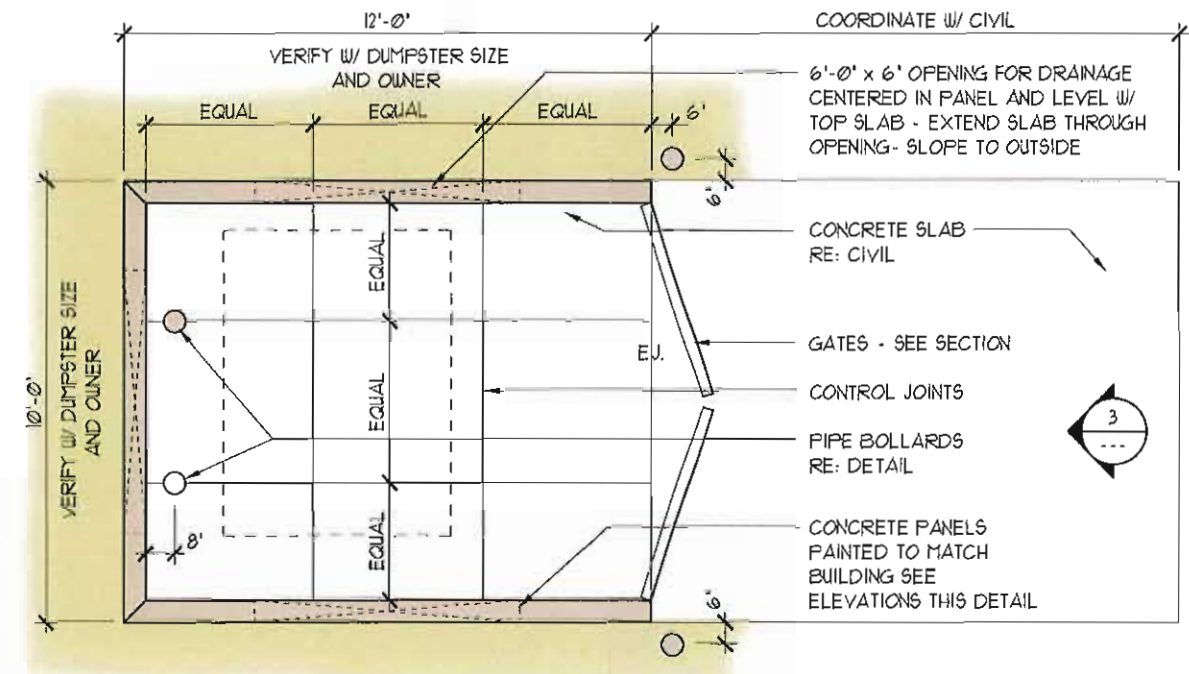
PROJECT NUMBER: 10650 DATE: 04-15-14



3 FRONT ELEVATION
1/4" = 1'-0"



2 SIDE ELEVATION
1/4" = 1'-0"



1 DUMPSTER PLAN
1/4" = 1'-0"

NOTE:
DUE TO VARYING DUMPSTER SIZES, THE G.C. MUST VERIFY THE SIZE OF THIS ENCLOSURE WITH THE OWNER AND/OR THE DUMPSTER SIZES INTENDED TO BE USED TO INSURE PROPER FIT.

New Building for:

Chesterfield Fence and Deck

Chesterfield, MO 63005

DATE:
04-24-2014
DDA PROJECT NUMBER:
14050
DUMPSTER DETAILS

Submitted by Luikart-Eason-Calcaterra & Co.



Job Name:
Lot 16 Spirit Valley

Catalog Number:
LCC 42F8 1 LP

Notes:

Type:

W1

LEC-STL14-40999

LAREDO
SERIES
LCC SERIES

NEW

Cat.#		Approvals
Job	Type	



SPECIFICATIONS

Intended Use

- Full cutoff*, IDA compliant entry or perimeter lighting
- Six to twelve foot typical mounting heights

Construction

- Decorative die-cast aluminum housing and door. Rugged design protects internal components and provides excellent thermal management for long life
- Flat, tempered, impact-resistant glass lens protects optics
- 800 Series powder paint finishes provide lasting appearance and are available in standard finishes: Dark Bronze, Black, White, Gray and Platinum

Electrical

- HID units are medium base; CFL units have insert and twist electronic socket
- Lamps are optional
- Systems include Pulse Start 50-70w, CFL 26-42w, HPS 50-70w and LED 12w
- Optional socket available for remote power for power outage egress applications

LED

- NEW 12 LED system delivers 802 lumens at 12.4w for 64LPW efficiency
- Univorsal 120-277V, 50/60Hz driver, .5 amp max

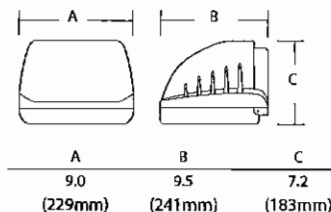
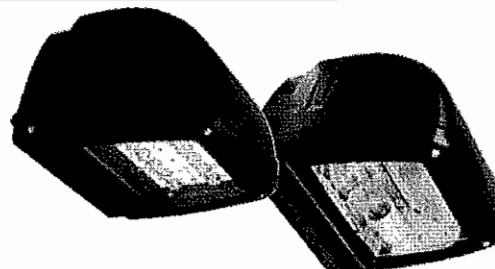
Installation

- Two-point lag mount securely holds housing to surface; Mounting template is provided.
- Designed for mounting over standard recessed junction boxes or for wiring with surface conduit; 1/2" hubs with plugs provided on top and sides for versatile access

Listings

- Listed to UL 1598 for use in wet locations
- IDA Dark Sky compliant

* (PSMH, CFL and HPS only) LED unit IDA compliant – no uplight



ORDERING INFORMATION

ORDERING EXAMPLE: LCC-70P8-1-LP

LCC	-		-		-	
Series		Wattage/Source/Voltage		Finish		Options
SERIES		WATTAGE/SOURCE/VOLTAGE		FINISH		OPTIONS*
LCC	Laredo Compact Cutoff	ELECTRONIC FLUORESCENT		1 Bronze		PC1 Button photocontrol 120V
		26F 8 26w, 120-277V		2 Black		PC2 ¹ Button photocontrol 208V
		32F 8 32w, 120-277V		3 Gray		PC3 ¹ Button photocontrol 240V
		42F 8 42w, 120-277V		4 White		PC4 ¹ Button photocontrol 277V
		PULSE START METAL HALIDE		5 Platinum		
		50P 9 50w, 120/277V				Egress Lamp Socket
		70P 8 70w, 120-277V				EM Mini can base socket only for remote, power by others (Max 50w Halogen recommended)
		HPS				LP Lamp shipped in carton with fixture (Standard on LED units) Fluorescent lamps are 3500K
		50S 1 50w, 120V NPF				
		70S 1 70w, 120V NPF				
		50S 8 50w, 120-277V				
		70S 8 70w, 120-277V				
		LED				
		12LU-5K 12w, 120-277V				

LCC LED System:

- 5000K color temperature
- Five year limited warranty
- Typical spacing of three times mounting height
- LED is IDA approved – no uplight

ACCESSORIES

LCC-SPG	Polycarbonate shield
PBT-1	120V button photocontrol
PBT-234 ¹	208/240/277V button photocontrol
PTA-1	External 120V Photocontrol (use for 70w)
PTA-8	External photocontrol 120-277V (use for 70w and above)

¹ For use on CFL and LED units only

Note: 347V is available in 50P, 70P and 70S

Example: Change 50P8 to 50P6

*Not recommended at 70w



Job Name:
Lot 16 Spirit Valley

Catalog Number:
MSV-A4-P40-V3P-F-Q-DB-L

Type:
S3-HS

Notes:

LEC-STL14-40999

MSV SERIES
MSV
M - P U L S I V E

Cat. #		Approvals
Job	Type	

SPAULDING
LIGHTING

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 cutoff 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

- Listed to UL1598 for use in wet locations
- IDA fixture seal of approval.

	FLAT GLASS		CONVEX GLASS			
	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 EXAMPLE: MSV-A4-P1K-V5P-F-5-DB-RPA4

ORDERING INFORMATION

SERIES	SOURCE/WATTAGE	LAMP ORIENT./DISTR.	LENS	COLOR	OPTIONS
MSV - M-Pulsive	METAL HALIDE	V1P Vert. I - segmented	F Flat glass	DB Dark Bronze (textured)	F(X)⁶ Fusing (replace X with voltage: 1-120, 2-208, 3-240, 4-277, 5-480, 6-347)
MOUNT	H1K¹⁴ 1000w (BT-37)	V3P Vert. III - segmented	C⁸ Convex glass	BL Black (textured)	PR(X)¹² Photo cell receptacle (replace X with voltage: 1-120, 2-208, 3-240, 4-277, 5-480, 6-347)
A4 Arm mount (includes 4" rigid arm)	SUPER METAL HALIDE	V4⁹ Vert. IV - multi-piece		WH White (textured)	P(X)^{4,5} Photo button (replace X with voltage: 1-120, 2-208, 3-240, 4-277, 5-480, 6-347)
A10¹¹ Arm mount (includes 10" rigid arm)	PULSE START METAL HALIDE	V5P Vert. V (square) - segmented		GR Gray (textured)	RPA2 Round pole adapter (2 3/4 - 3 1/8")
WB Wall bracket (arm not required or included)	P17 175w (ED-28)	H3^{2,12,13} Horiz. III - hydroformed		PS Platinum Silver (smooth)	RPA3 Round pole adapter (3 1/4 - 3 3/4")
WBA4 Wall bracket with 4" rigid arm	P25 250w (ED28)	H4² Horiz. IV - multi-piece		RO Red (smooth) (premium color)	RPA4 Round pole adapter (3 7/8 - 4 1/2")
WBA10 Wall bracket with 10" rigid arm	P32 320w (ED28)	H5^{2,12,13} Horiz. V (square) - hydroformed		FG Forest Green (textured, premium color)	RPA5 Round pole adapter (5")
0 No arm or wall bracket (only order without arm or wall bracket when they are ordered as an accessory)	P35 350w (ED28)	H5P² Horiz. V (square) - segmented		CC Custom Color (consult factory)	RPA6 Round pole adapter (6")
ST Spider mount (2 3/8" tenon)	P40 400w (ED-37)		VOLTAGE		QZ⁵ Quartz RS with lamp
YT Yoke mount (2 3/8" tenon)	HIGH PRESSURE SODIUM		1¹⁰ 120V Q³ Quad-Tap [®] 120/208/240/277V		VG Polycarbonate vandal guard
	S25 250w (EO-18)		2¹⁰ 208V 5 480V		R(X)⁷ Reveal (E8 option must be chosen also; Replace XX with color)
	S40 400w (EO-18)		3¹⁰ 240V T³ Tri-Tap [®] 120/277/347V		EB Embossed band
	S60¹ 600w (T-14)		4¹⁰ 277V E 50Hz 220/240V		L Lamp
	S75¹ 750w (BT-37)		F¹⁰ 347V V^{3,9} Fiv-Tap 120/208/240/277/480V		
	S1K 1000w (ED-37)		0 No Ballast		

1 Must specify Q, 5, or T voltage. Available voltage tap on ballast may vary from catalog; Must specify wiring prep with options
 2 Flat lens configurations only for horizontal lamp orientation
 3 Factory wired for highest voltage unless specified
 4 400w maximum
 5 Not available with 50 Hz ballast. 600w and 750w HPS, and convex lens with 1000w HPS
 6 Not available with convex lens and 1000w HPS or 1000w with yoke or spider mount

7 Reveal selection requires EB - embossed band option
 8 Vertical lamp only
 9 Only available with 400w, 350w, 320w, and 250w
 10 Only available with 1000w PSMH, 600w HPS, and 750w HPS
 11 Required for 90° and 120° configurations
 12 Not available with 1000w yoke or spider mount
 13 Not available with 1000w H1K, MS1K, P1K, S1K
 14 GE or Sylvania BT37 lamps recommended for horizontal distributions

NOTE: All poles to be drilled with #2 pattern



Job Name:
Lot 16 Spirit Valley

Catalog Number:
MSV-A4-P40-V3P-F-Q-DB-L

Type:
S3-HS

Notes:

LEC-STL14-40999

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 door/frame 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 door/frame and door/frame to luminaire housing ensuring a contaminant free environment. Complete removal of the door assembly is achievable without tools. CONVEX LENS DESIGN: Die formed aluminum door/frame 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" O.D. 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 80°	N/A	5.3	N/A	4.7
C	TWIN AT 180°	5.8	6	5	5.4
D	TRIPLE AT 90°	N/A	8.6	N/A	7.5
E	TRIPLE AT 120°	N/A	8.4	7.1	7.3
F	QUAD AT 90°	N/A	6.8	N/A	7.7

ACCESSORIES

(Must be ordered separately. For field installation.)

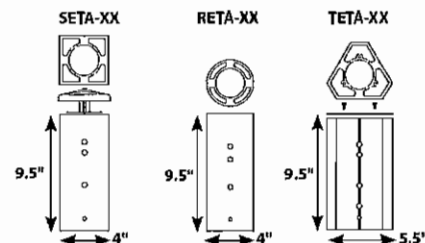
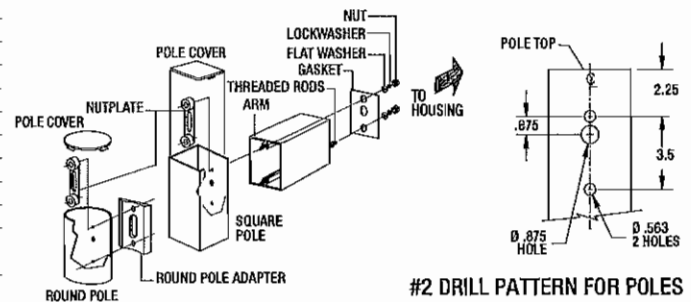
Catalog #	Description
MSV-FGGS-2	Extreme Glare Shield for flat glass units only (mounts to housing); restricts lighting to any one side of fixture; black finish standard
MSV-GS	Glare Shield for sag glass units only; restricts light to any one side of fixture, black finish standard
MSV-PVG	Polycarbonate 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 3/8" - 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
SETA-XX^{1,2}	4" Square Pole Tenon Adapter (4 @ 90°) (2 3/8" O.D. tenon)
RETA-XX^{1,2}	4" Round Pole Tenon Adapter (4 @ 90°) (2 3/8" O.D. tenon)
TETA-XX^{1,2}	Three sided Pole Tenon Adapter (3 @ 120°)

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



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

SPAULDING
LIGHTING

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Job Name:
Lot 16 Spirit Valley

Catalog Number:
MSV-FG-GS-1

Notes:

Type:
S3-HS

LEC-STL14-40999

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 door/frame 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 door/frame and door/frame to luminaire housing ensuring a contaminant free environment. Complete removal of the door assembly is achievable without tools. **CONVEX LENS DESIGN:** Die formed aluminum door/frame 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.

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B	TWIN AT 90°	N/A	5.3	N/A	4.7
C	TWIN AT 180°	5.6	6	5	5.4
D	TRIPLE AT 90°	N/A	8.6	N/A	7.5
E	TRIPLE AT 120°	N/A	8.4	7.1	7.3
F	QUAD AT 90°	N/A	8.8	N/A	7.7

ACCESSORIES

(Must be ordered separately. For field installation.)

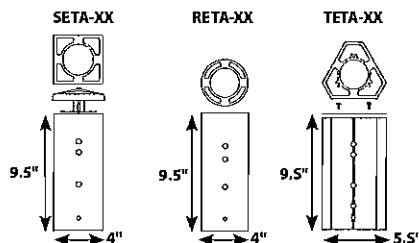
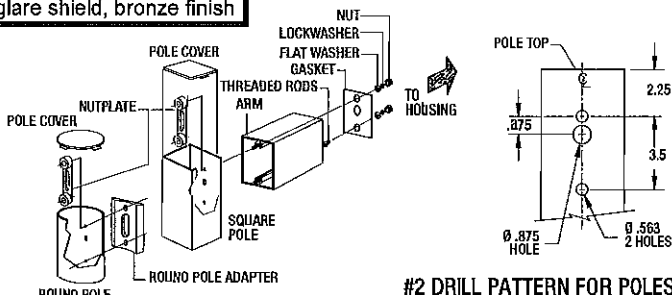
Catalog #	Description
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F-RPA4-XX ^{1,2}	Round Pole Adapter (3 3/4" - 4 1/2")
F-RPA5-XX ^{1,2}	Round Pole Adapter (5")
F-RPA6-XX ^{1,2}	Round Pole Adapter (6")
WB-CR-XX ¹	Wall Bracket
ARM-F-K-TA-XX ¹	Tenon Arm (single) adjustable (2 3/8" O.D. tenon)
ARM-F-TK-TA-XX ¹	Tenon Arm (double 180°) adjustable (2 3/8" O.D. tenon)
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ARM-F-10-S-XX ^{1,2}	10" Rigid Straight Arm
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TETA-XX ^{1,2}	Three sided Pole Tenon Adapter (3 @ 120°)

1 Replace XX with color choice, eg: DB for Dark Bronze.
2 When ordering poles, specify Pole Drill Pattern #2.

PHOTOCONTROL EQUIPMENT

CATALOG #	DESCRIPTION
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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

MSV-FGGS-1 = glare shield, bronze finish



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



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Job Name:
Lot 16 Spirit Valley

Catalog Number:
SSS-18-40-1-A2-DB

Notes:

Type:
S3-HS

LEC-STL14-40999

**SSS SERIES
POLES**
SQUARE STRAIGHT STEEL

Cat. #		Approvals
Job	Type	

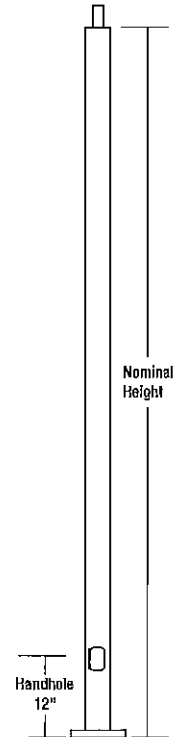
**SPAULDING
LIGHTING**

APPLICATIONS

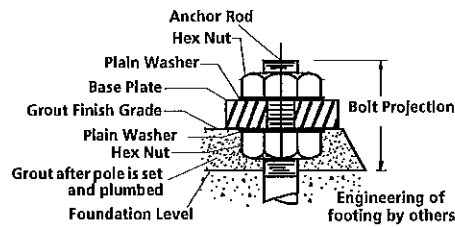
- Lighting installations for side and top mounting of luminaires with effective projected area (EPA) not exceeding maximum allowable loading of the specified pole in its installed geographic location.

FEATURES

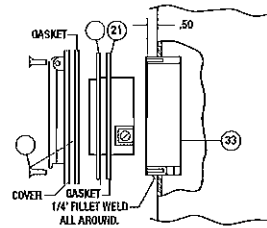
- **SHAFT:** One-piece straight steel with square cross section, flat sides and minimum 0.36" radius on all corners. Minimum yield of 46,000 psi (ASTM-A500, Grade B). Longitudinal weld seam to appear flush with shaft side wall. Steel base plate with axial bolt circle slots welded flush to pole shaft having minimum yield of 36,000 psi (ATM-A36).
- **BASE COVER:** Two-piece square aluminum base cover included standard.
- **POLE CAP:** Pole shaft covered with removable non-metallic cover when applicable. Tenon and post-top configurations also available.
- **HAND HOLE:** Rectangular steel-reinforced hand hole (2.5" x 4.5"). Pole grounding lug located behind gasketed cover.
- **ANCHOR BOLTS:** Four galvanized anchor bolts provided per pole with minimum yield of 55,000 psi (modified ASTM-A36). Galvanized hardware with two washers/nuts per bolt for leveling meet or exceed bolt strength.
- **FINISH:** Durable Lektrocote® TGIC thermoset polyester powder coat paint finish with nominal 3.0 mil thickness. Zinc-rich powder paint prime applied over "white metal" steel substrate cleaned via mechanical shot blast method. Decorative finish coat available in seven standard colors. Custom colors available. RAL number preferable. Internal protective coating available.



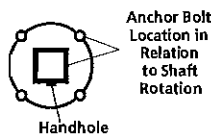
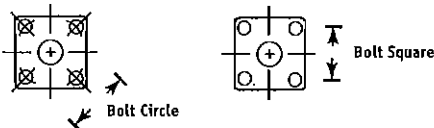
BASE DETAIL



**15 AMP GFCI
RECEPTACLE & COVER**



Q18 OPTION





Job Name:
Lot 16 Spirit Valley

Catalog Number:
SSS-18-40-1-A2-DB

Notes:

Type:
S3-HS

LEC-STL14-40999

ORDERING INFORMATION

S - S - S - 25 - 40 - 1 - TA - DB
 Cross Section Style Material Nominal Length Nominal Shaft Dia. Shaft Thickness Mounting Type Finish

Catalog Number	Pole Ht.		Nominal Shaft Dim.	Wind Load Rating ¹					Wall Thick.	Bolt Circle (Sug.)	Bolt Circle	Bolt Sq.	Base Plate (sq.)	Anchor Bolt Size	Bolt Prof.	Pole Wt (lbs)
	ft	m		70 MPH	80 MPH	90 MPH	100 MPH	120 MPH								
SSS-10-40-1-XX-XX	10	3.0	4"	25	25	22	17	11.8	.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"	25	25	25	23	15	.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"	25	21	16	13.0	8.8	.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"	25	25	23	18	11.8	.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"	24	18	14.2	11.0	6.8	.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"	25	25	23	18	12.2	.119"	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"	25	24	19	14.4	9.0	.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"	16	12.2	9.0	6.8	3.8	.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"	25	20	15	12.2	7.6	.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"	22	16	12.2	9.2	5.2	.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"	25	25	24	19	12.4	.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"	13.8	10.0	7.2	5.2	2.4	.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"	23	17	13.0	10.0	6.0	.179"	11"	10 - 13.5"	7.1 - 9.5"	11 x 1"	3/4 x 30 x 3"	4"	201
SSS-18-50-1-XX-XX	18	5.5	5"	18	13.2	9.6	7.0	3.4	.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"	25	25	20	16	9.8	.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"	11.4	8.0	5.6	3.8	1.4	.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"	19	14.6	10.8	8.0	4.4	.179"	11"	8 1/2 - 12"	6 - 8.4"	11 x 1"	3/4 x 30 x 3"	4"	225
SSS-20-50-1-XX-XX	20	6.1	5"	15	10.8	7.6	5.2	2.0	.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"	25	23	17	13.2	7.6	.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"	25	25	24	18	11.2	.179"	12"	11 - 13.5"	7.8 - 9.5"	12 x 1"	1 x 36 x 4"	4"	312
SSS-25-40-1-XX-XX	25	7.6	4"	7.0	4.2	2.2	NR	NR	.119"	11"	8 - 11"	5.6 - 7.8"	10.25 x 0.75"	3/4 x 30 x 3"	4"	190
SSS-25-40-7-XX-XX	25	7.6	4"	13.4	9.4	6.4	4.2	1.4	.179"	11"	8.5 - 12"	6 - 8.4"	11 x 1"	3/4 x 30 x 3"	4"	266
SSS-25-50-1-XX-XX	25	7.6	5"	9.6	6.0	3.4	1.4	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"	22	15	11.2	7.8	3.4	.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"	25	22	16	12.4	6.6	.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"	25	22	16	11.6	5.6	.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"	11.4	7.8	5.0	3.0	NR	.179"	11"	8.5 - 12"	6 - 8.4"	11 x 1"	1 x 36 x 4"	4"	290
SSS-30-40-7-XX-XX	30	9.1	4"	8.2	5.0	2.8	1.2	NR	.179"	11"	8.5 - 12"	6 - 8.4"	11 x 1"	1 x 36 x 4"	4"	313
SSS-30-50-7-XX-XX	30	9.1	5"	14.2	9.4	6.0	3.4	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"	20	14.6	10.2	6.8	2.4	.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"	20	13.8	9.2	5.8	1.2	.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"	25	24	17	12.8	6.2	.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"	14.2	8.4	4.6	1.6	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"	25	17	11.6	7.4	1.8	.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"	9.0	4.0	NR	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"	18	11.8	6.8	3.2	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.

COMPLETE PART NUMBER REQUIRES SHAFT ABOVE PLUS MOUNTING TYPE, FINISH & APPROPRIATE OPTIONS BELOW

OPTION ORIENTATION

MOUNTING TYPE

- AX'** Side - Single
- BX'** Side - Double at 90°
- CX'** Side - Double at 180°
- DX'** Side - Triple at 90°
- FX'** Side - Quad at 90°
- P1** Pad Mount - Spider Type
- P2** Pad Mount - Yoke Type
- P3** Pad Mount - Yoke Type (Proformer XL only)
- TA** Tenon (2.375" DD)
- TB** Tenon (2.875" DD)
- TR'** Removable Tenon (2.375 x 4.25)
- CD** Concord Luminaire
- OT** No drilling (Includes pole cap)

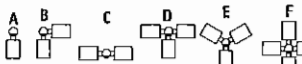
FINISH

- DB** Dark Bronze
- BL** Black
- WH** White
- GR** Gray
- PS** Platinum Silver
- RD** Red (Premium Color)
- FG** Forest Green (Premium Color)
- CC** Custom Color (Consult Factory)
- PR** Primer Only

OPTIONS

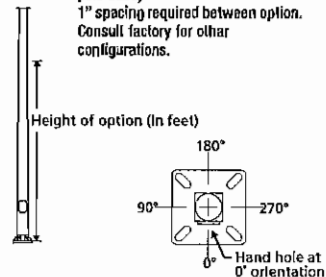
- Q55** Internal Coating (Hubbell Seal)
- Q18'** 15 Amp GFCI Receptacle and Cover
- Q22'** Extra Handhole
- Q26'** .5" Coupling
- Q27'** .75" Coupling
- Q3Q'** 2" Coupling
- Q32'** Mid-pole Luminaire Bracket
- Q40** Vibration Damper
- LAB** Less Anchor Bolts
- CSA** CSA Certified (consult factory)

Follow the logic below when ordering location specific options. For each option, include its orientation (in degrees) and its height (in feet). Example: Option Q26 should be ordered as: **SSS-20-40-1-TA-DB-Q26-0-15** (.5" coupling on the handhole/arm side of pole, 15 feet up from the pole base)
1" spacing required between option. Consult factory for other configurations.



- 1 DRILL PATTERNS: Replace X with
1 - Spaulding luminaires with a straight pole (4 bolt),
2 - Cimaron CR1, MSV and Raven Series luminaires,
4 - MSS & OS luminaires,
5 - Spaulding Detroit III luminaires,
6 - DIA luminaires
- 2 Removable tenon used in conjunction with side arm mounting. First specify desired arm configuration followed by the "TA" notation. Example: **SSS-25-40-7-06-TR-DB**
- 3 Specify option location using logic found on cover.

Denotes handhole location



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



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



Job Name:
Lot 16 Spirit Valley

Catalog Number:
MSV-A4-P40-V5P-F-Q-DB-L

Notes:

Type:
S5

LEC-STL14-40999

MSV SERIES
MSV
M - P U L S I V E

Cat. #		Approvals
Job	Type	

SPAULDING
LIGHTING

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 cutoff 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, pulso 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

- Listed to UL1598 for use in wet locations
- IDA fixture seal of approval.

	FLAT GLASS		CONVEX GLASS			
	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 2.8ft².

	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 EXAMPLE: MSV-A4-P1K-V5P-F-5-DB-RPA4

ORDERING INFORMATION

MSV - [] - [] - [] - [] - [] - [] - [] - []					
SERIES	SOURCE/WATTAGE	LAMP ORIENT./DISTR.	LENS	COLOR	OPTIONS
MSV M-Pulsive	METAL HALIDE	V1P Vert. I - segmented	F Flat glass	DB Dark Bronze (textured)	F(X) ⁶ Fusing (replace X with voltage: 1-120, 2-208, 3-240, 4-277, 5-480, 6-347)
MOUNT	H1K ¹⁴ 1000w (BT-37)	V3P Vert. III - segmented	C ⁸ Convex glass	BL Black (textured)	PR(X) ¹² Photo cell receptacle (replace X with voltage: 1-120, 2-208, 3-240, 4-277, 5-480, 6-347)
A4 Arm mount (includes 4" rigid arm)	SUPER METAL HALIDE	V4 ⁶ Vert. IV - multi-piece		WH White (textured)	P(X) ^{4,5} Photo button (replace X with voltage: 1-120, 2-208, 3-240, 4-277, 5-480, 6-347)
A10 ¹¹ Arm mount (includes 10" rigid arm)	MS1K ¹⁴ 1000w (BT-37)	V5P Vert. V (square) - segmented		GR Gray (textured)	RPA2 Round pole adapter (2 3/4 - 3 3/4")
WB Wall bracket (arm not required or included)	PULSE START METAL HALIDE	H3 ^{2,12,13} Horiz. III - hydroformed		PS Platinum Silver (smooth)	RPA3 Round pole adapter (3 1/4 - 3 3/4")
WBA4 Wall bracket with 4" rigid arm	P17 175w (ED-28)	H4 ² Horiz. IV - multi-piece		RD Red (smooth) (premium color)	RPA4 Round pole adapter (3 7/8 - 4 1/2")
WBA10 Wall bracket with 10" rigid arm	P25 250w (ED28)	H5 ^{2,12,13} Horiz. V (square) - hydroformed		FG Forest Green (textured, premium color)	RPA5 Round pole adapter (5")
0 No arm or wall bracket (only order without arm or wall bracket when they are ordered as an accessory)	P32 320w (ED28)	H5P ² Horiz. V (square) - segmented		CC Custom Color (consult factory)	RPA6 Round pole adapter (6")
ST Spider mount (2 3/8" lenon)	P35 350w (ED28)				QZ ⁵ Quartz RS with lamp
YT Yoke mount (2 3/8" lenon)	P40 400w (ED-37)				VG Polycarbonate vandal guard
	P45 450w (BT-37)				R(X) ⁷ Reveal (EB option must be chosen also); Replace XX with color
	P75 750w (BT-37)				EB Embossed band
	P1K ¹⁴ 1000w (BT-37)				L Lamp
	HIGH PRESSURE SODIUM				
	S25 250w (ED-18)				
	S40 400w (ED-18)				
	S60 ¹ 600w (T-14)				
	S75 ¹ 750w (BT-37)				
	S1K 1000w (ED-37)				
			VOLTAGE		
			1 ¹⁰ 120V	Q ³ Quad-Tap® 120/208/240/277V	
			2 ¹⁰ 208V	5 480V	
			3 ¹⁰ 240V	T ³ Tri-Tap® 120/277/347V	
			4 ¹⁰ 277V	E 50Hz 220/240V	
			F ¹⁰ 347V	V ^{3,9} Five-Tap 120/208/240/277/480V	
				0 No Ballast	

1 Must specify Q, 5, or T voltage. Available voltage tap on ballast may vary from catalog; Must specify wiring prep with options
 2 Flat lens configurations only for horizontal lamp orientation
 3 Factory wired for highest voltage unless specified
 4 400w maximum
 5 Not available with 50 Hz ballast, 600w and 750w HPS, and convex lens with 1000w HPS
 6 Not available with convex lens and 1000w HPS or 1000w with yoke or spider mount

7 Reveal selection requires EB - embossed band option
 8 Vertical lamp only
 9 Only available with 400w, 350w, 320w, and 250w
 10 Only available with 1000w FSMH, 600w HPS, and 750w HPS
 11 Required for 90° and 120° configurations
 12 Not available with 1000w yoke or spider mount
 13 Not available with 1000w H1K, MS1K, P1K, S1K
 14 GE or Sylvania BT37 lamps recommended for horizontal distributions

NOTE: All poles to be drilled with #2 pattern



Job Name:
Lot 16 Spirit Valley

Catalog Number:
MSV-A4-P40-V5P-F-Q-DB-L

Type:

S5

Notes:

LEC-STL14-40999

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°	N/A	5.3	N/A	4.7
C	TWIN AT 180°	5.6	6	5	5.4
D	TRIPLE AT 90°	N/A	8.6	N/A	7.5
E	TRIPLE AT 120°	N/A	8.4	7.1	7.3
F	QUAD AT 90°	N/A	8.8	N/A	7.7

ACCESSORIES

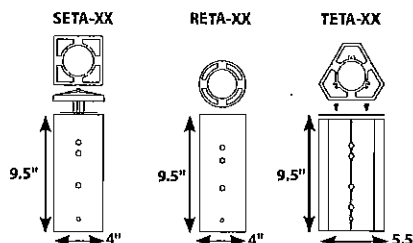
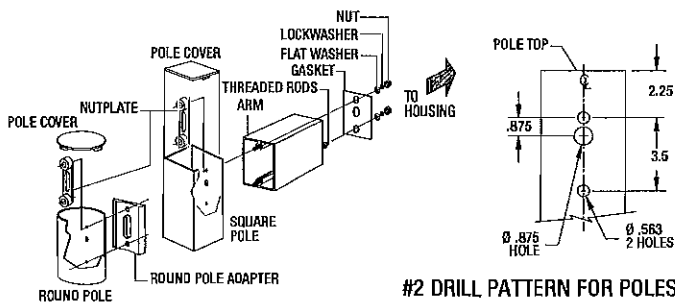
(Must be ordered separately. For field installation.)

Catalog #	Description
MSV-FGGS-2	Extremo 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
FBMLH	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 1/2 - 4 1/2")
F-RPA5-XX ^{1,2}	Round Pole Adapter (5")
F-RPA6-XX ^{1,2}	Round Pole Adapter (6")
WB-CR-XX ¹	Wall Bracket
ARM-F-K-TA-XX ¹	Tenon Arm (single) adjustable (2 3/4" O.D. tenon)
ARM-F-TK-TA-XX ¹	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
SETA-XX ^{1,2}	4" Square Pole Tenon Adapter (4 @ 90°) (2 3/8" OD tenon)
RETA-XX ^{1,2}	4" Round Pole Tenon Adapter (4 @ 90°) (2 3/8" OD tenon)
TETA-XX ^{1,2}	Three sided Pole Tenon Adapter (3 @ 120°)

1 Replace XX with color choice, eg.: DB for Dark Bronze.
2 When ordering poles, specify Pole Oril 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



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SPAULDING
LIGHTING

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Job Name:
Lot 16 Spirit Valley

Catalog Number:
SSS-18-40-1-A2-DB

Notes:

Type:

S5

LEC-STL14-40999

**SSS SERIES
POLES**
SQUARE STRAIGHT STEEL

Cat. #		Approvals
Job	Type	

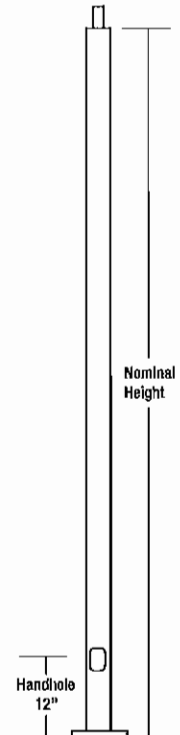
**SPAULDING
LIGHTING**

APPLICATIONS

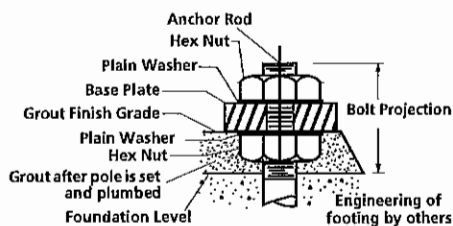
- Lighting installations for side and top mounting of luminaires with effective projected area (EPA) not exceeding maximum allowable loading of the specified pole in its installed geographic location.

FEATURES

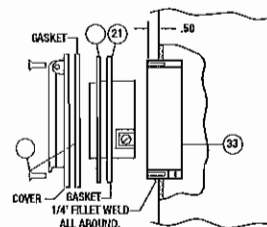
- **SHAFT:** One-piece straight steel with square cross section, flat sides and minimum 0.36" radius on all corners. Minimum yield of 46,000 psi (ASTM-A500, Grade B). Longitudinal weld seam to appear flush with shaft side wall. Steel base plate with axial bolt circle slots welded flush to pole shaft having minimum yield of 36,000 psi (ATM-A36).
- **BASE COVER:** Two-piece square aluminum base cover included standard.
- **POLE CAP:** Pole shaft covered with removable non-metallic cover when applicable. Tenon and post-top configurations also available.
- **HAND HOLE:** Rectangular steel-reinforced hand hole (2.5" x 4.5"). Pole grounding lug located behind gasketed cover.
- **ANCHOR BOLTS:** Four galvanized anchor bolts provided per pole with minimum yield of 55,000 psi (modified ASTM-A36). Galvanized hardware with two washers/nuts per bolt for leveling meet or exceed bolt strength.
- **FINISH:** Durable Lektrocote® TGIC thermoset polyester powder coat paint finish with nominal 3.0 mil thickness. Zinc-rich powder paint prime applied over "white metal" steel substrate cleaned via mechanical shot blast method. Decorative finish coat available in seven standard colors. Custom colors available. RAL number preferable. Internal protective coating available.



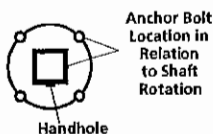
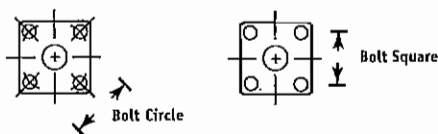
BASE DETAIL



**15 AMP GFCI
RECEPTACLE & COVER**



Q18 OPTION





Job Name:
Lot 16 Spirit Valley

Catalog Number:
SSS-18-40-1-A2-DB

Type:

S5

Notes:

LEC-STL14-40999

ORDERING INFORMATION

S - S - S - 25 - 40 - 1 - TA - DB

Cross Section Style Material Nominal Length Nominal Shaft Dia. Shaft Thickness Mounting Type Finish

Catalog Number	Pole Ht.		Nominal Shaft Dim.	Wind Load Rating ¹					Wall Thick.	Bolt Circle (Sug.)	Bolt Circle	Bolt Sq.	Base Plate (sq.)	Anchor Bolt Size	Bolt Proj.	Pole Wt (lbs)
	ft	m		70 MPH	80 MPH	90 MPH	100 MPH	120 MPH								
SSS-10-40-1-XX-XX	10	3.0	4"	25	25	22	17	11.8	.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"	25	25	25	23	15	.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"	25	21	16	13.0	8.8	.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"	25	25	23	18	11.8	.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"	24	18	14.2	11.0	6.8	.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"	25	25	23	18	12.2	.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"	25	24	19	14.4	9.0	.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"	16	12.2	9.0	6.8	3.8	.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"	25	20	15	12.2	7.6	.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"	22	16	12.2	9.2	5.2	.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"	25	25	24	19	12.4	.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"	13.8	10.0	7.2	5.2	2.4	.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"	23	17	13.0	10.0	6.0	.179"	11"	10 - 13.5"	7.1 - 9.5"	11 x 1"	3/4 x 30 x 3"	4"	201
SSS-18-50-1-XX-XX	18	5.5	5"	18	13.2	9.6	7.0	3.4	.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"	25	25	20	16	9.8	.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"	11.4	8.0	5.6	3.8	1.4	.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"	19	14.6	10.8	8.0	4.4	.179"	11"	8 1/2 - 12"	6 - 8.4"	11 x 1"	3/4 x 30 x 3"	4"	225
SSS-20-50-1-XX-XX	20	6.1	5"	15	10.8	7.6	5.2	2.0	.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"	25	23	17	13.2	7.6	.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"	25	25	24	18	11.2	.179"	12"	11 - 13.5"	7.8 - 9.5"	12 x 1"	1 x 36 x 4"	4"	312
SSS-25-40-1-XX-XX	25	7.6	4"	7.0	4.2	2.2	NR	NR	.119"	11"	8 - 11"	5.6 - 7.8"	10.25 x 0.75"	3/4 x 30 x 3"	4"	190
SSS-25-40-7-XX-XX	25	7.6	4"	13.4	9.4	6.4	4.2	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"	9.6	6.0	3.4	1.4	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"	22	15	11.2	7.8	3.4	.179"	11"	10 - 13.5"	7.1 - 9.5"	12 x 1"	1 x 36 x 4"	4"	324
SSS-25-60-3-XX-XX	25	7.6	5"	25	22	16	12.4	6.6	.250"	12"	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"	25	22	16	11.6	5.6	.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"	11.4	7.8	5.0	3.0	NR	.179"	11"	8.5 - 12"	6 - 8.4"	11 x 1"	1 x 36 x 4"	4"	290
SSS-30-40-7-XX-XX	30	9.1	4"	8.2	5.0	2.8	1.2	NR	.179"	11"	8.5 - 12"	6 - 8.4"	11 x 1"	1 x 36 x 4"	4"	313
SSS-30-50-7-XX-XX	30	9.1	5"	14.2	9.4	6.0	3.4	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"	20	14.6	10.2	6.8	2.4	.250"	12"	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"	20	13.8	9.2	5.8	1.2	.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"	25	24	17	12.8	6.2	.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"	14.2	8.4	4.6	1.6	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"	25	17	11.6	7.4	1.8	.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"	9.0	4.0	NR	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"	18	11.8	6.8	3.2	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.

COMPLETE PART NUMBER REQUIRES SHAFT ABOVE PLUS MOUNTING TYPE, FINISH & APPROPRIATE OPTIONS BELOW

OPTION ORIENTATION

MOUNTING TYPE

- AX** Side - Single
- BX** Side - Double at 90°
- CX** Side - Double at 180°
- DX** Side - Triple at 90°
- FX** Side - Quad at 90°
- P1** Pad Mount - Spider Type
- P2** Pad Mount - Yoke Type
- P3** Pad Mount - Yoke Type (Proformer XL only)
- TA** Tenon (2.375" OD)
- TB** Tenon (2.875" OD)
- TR** Removable Tenon (2.375 x 4.25)
- CD** Concord Luminaire
- OT** No drilling (includes polo cap)

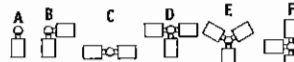
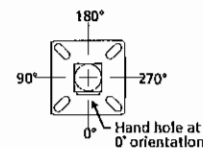
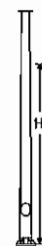
FINISH

- DB** Dark Bronze
- BL** Black
- WH** White
- GR** Gray
- PS** Platinum Silver
- RD** Red (Premium Color)
- FG** Forest Green (Premium Color)
- CC** Custom Color (Consult Factory)
- PR** Primer Only

OPTIONS

- Q55** Internal Coating (Hubbell Seal)
- Q18** 15 Amp GFCI Receptacle and Cover
- Q22** Extra Handhole
- Q26** .5" Coupling
- Q27** .75" Coupling
- Q30** 2" Coupling
- Q32** Mid-pole Luminaire Bracket
- Q40** Vibration Damper
- LAB** Less Anchor Bolts
- GSA** CSA Certified (consult factory)

Follow the logic below when ordering location specific options. For each option, include its orientation (in degrees) and its height (in feet). Example: Option Q26 should be ordered as: **SSS-20-40-1-TA-DB-Q26-0-15** (.5" coupling on the handhole/arm side of pole, 15 feet up from the pole base)
1" spacing required between option. Consult factory for other configurations.



- 1 DRILL PATTERNS: Replace X with
1 = Spaulding luminaires with a straight pole (4-bolt),
2 = Cimarron CR1, MSV and Raven Series luminaires,
4 = MSS & DS luminaire,
5 = Spaulding Detroit III luminaires,
6 = OM luminaires
- 2 Removable tenon used in conjunction with side arm mounting. First specify desired arm configuration followed by the "TR" notation. Example: **SSS-25-40-7-CE-TR-DB**
- 3 Specify option location using logic found on cover.

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



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



Job Name:
Lot 16 Spirit Valley

Notes:

MSV SERIES
MSV
M - P U L S I V E

Cat. #		Approvals
Job	Type	

SPAULDING
LIGHTING

APPLICATIONS

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

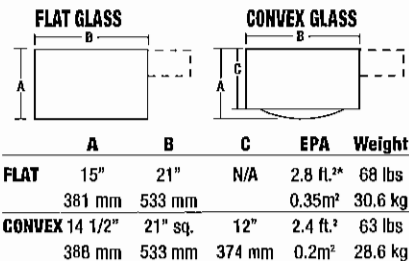
SPECIFICATIONS

- 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 cutoff classification. Impact and thermal shock resistant convex lens provides improved light level uniformity and broadened luminaire spacing

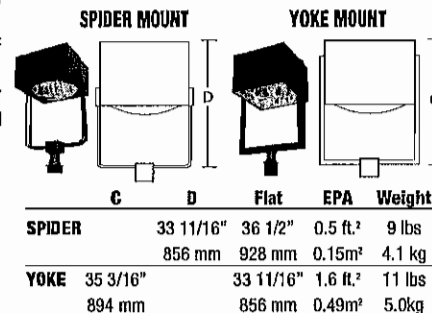
- Vertical and horizontal lamp orientations available: IES types I, II, III, IV, and V distributions. V1P, V3P, V5P and H5P reflectors are fully segmented. V4 and H4 reflectors are multi-piece design. H3 and H5 reflectors are hydroformed. All reflectors are rotatable
- Spider mount has four twin-tube 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, pounce 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 thermeset polyester powder coat paint finish assures long life and maintenance-free service

LISTINGS/CERTIFICATIONS

- Listed to UL1598 for use in wet locations
- IDA fixture seal of approval.



NOTE: EPA and weight values do not include mounting arm
* With the 4" arm the EPA is 2.8ft.².



ORDERING EXAMPLE: MSV-A4-P1K-V5P-F-5-DB-RPA4

ORDERING INFORMATION

MSV								
SERIES	SOURCE/WATTAGE	LAMP ORIENT./DISTR.	LENS	COLOR	OPTIONS			
MSV M-Pulsive	METAL HALIDE H1K ¹⁴ 1000w (BT-37)	V1P Vert. I - segmented	F Flat glass	DB Dark Bronze (textured)	F(X) ⁶ Fusing (replace X with voltage: 1-120, 2-208, 3-240, 4-277, 5-480, 6-347)			
MOUNT	SUPER METAL HALIDE MS1K ¹⁴ 1000w (BT-37)	V3P Vert. III - segmented	C ⁸ Convex glass	BL Black (textured)	PR(X) ¹² Photo cell receptacle (replace X with voltage: 1-120, 2-208, 3-240, 4-277, 5-480, 8-347)			
A4 Arm mount (includes 4" rigid arm)	PULSE START METAL HALIDE P17 175w (ED-28) P25 250w (ED28) P32 320w (ED28) P35 350w (ED28) P40 400w (ED-37) P45 450w (BT-37) P75 750w (BT-37) P1K ¹⁴ 1000w (BT-37)	V4 ⁶ Vert. IV - multi-piece		WH White (textured)	P(X) ^{4,5} Photo button (replace X with voltage: 1-120, 2-208, 3-240, 4-277, 6-347)			
A10 ¹¹ Arm mount (includes 10" rigid arm)		V5P Vert. V (square) - segmented		GR Gray (textured)	RPA2 Round pole adapter (2 3/4 - 3 1/8")			
WB Wall bracket (arm not required or included)		H3 ^{2,12,13} Horiz. III - hydroformed		PS Platinum Silver (smooth)	RPA3 Round pole adapter (3 1/4 - 3 3/4")			
WBA4 Wall bracket with 4" rigid arm		H4 ² Horiz. IV - multi-piece		RD Red (smooth) (premium color)	RPA4 Round pole adapter (3 7/8 - 4 1/2")			
WBA10 Wall bracket with 10" rigid arm		H5 ^{2,12,13} Horiz. V (square) - hydroformed		FG Forest Green (textured, premium color)	RPA5 Round pole adapter (5")			
O No arm or wall bracket (only order without arm or wall bracket when they are ordered as an accessory)	HIGH PRESSURE SODIUM S25 250w (ED-18) S40 400w (ED-18) S60 ¹ 600w (T-14) S75 ¹ 750w (BT-37) S1K 1000w (ED-37)	H5P ² Horiz. V (square) - segmented		CC Custom Color (consult factory)	RPA6 Round pole adapter (6")			
ST Spider mount (2 3/8" tenon)			VOLTAGE 1 ¹⁰ 120V Q ³ Quad-Tap ⁹ 120/208/240/277V 2 ¹⁰ 208V 5 480V 3 ¹⁰ 240V T ³ Tri-Tap ⁹ 120/277/347V 4 ¹⁰ 277V E 50Hz 220/240V F ¹⁰ 347V V ^{3,9} Five-Tap 120/208/240/277/480V 0 No Ballast		RPA7 Round pole adapter (7")			
YT Yoke mount (2 3/8" tenon)					QZ ⁵ Quartz RS with lamp			
					VG Polycarbonate vandal guard			
					R(X) ⁷ Reveal (EB option must be chosen also); Replace XX with color			
					EB Embossed band			
					L Lamp			

1 Must specify 0, 5, or T voltage. Available voltage tap on ballast may vary from catalog. Must specify wiring tap with options
2 Flat lens configurations only for horizontal lamp orientation
3 Factory wired for highest voltage unless specified
4 400w maximum
5 Not available with 50 Hz ballast, 600w and 750w HPS, and convex lens with 1000w HPS
6 Not available with convex lens and 1000w HPS or 1000w with yoke or spider mount

7 Reveal selection requires EB - embossed band option
8 Vertical lamp only
9 Only available with 400w, 350w, 320w, and 250w
10 Only available with 1000w PSMH, 600w HPS, and 750w HPS
11 Required for 90° and 120° configurations
12 Not available with 1000w yoke or spider mount
13 Not available with 1000w H1K, MS1K, P1K, S1K
14 GE or SYLVANIA BT37 lamps recommended for horizontal distributions

NOTE: All poles to be drilled with #2 pattern



Job Name:
Lot 16 Spirit Valley

Catalog Number:
MSV-WBA4-P40-V3P-F-Q-DB-L

Type:
W3

Notes:

LEC-STL14-40999

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°	N/A	5.3	N/A	4.7
C	TWIN AT 180°	5.6	6	5	5.4
D	TRIPLE AT 90°	N/A	8.6	N/A	7.5
E	TRIPLE AT 120°	N/A	8.4	7.1	7.3
F	QUAD AT 90°	N/A	8.8	N/A	7.7

ACCESSORIES

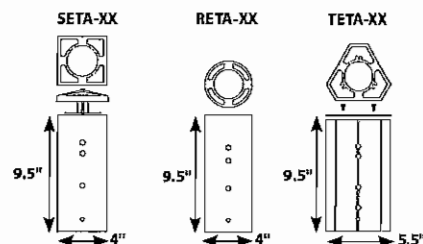
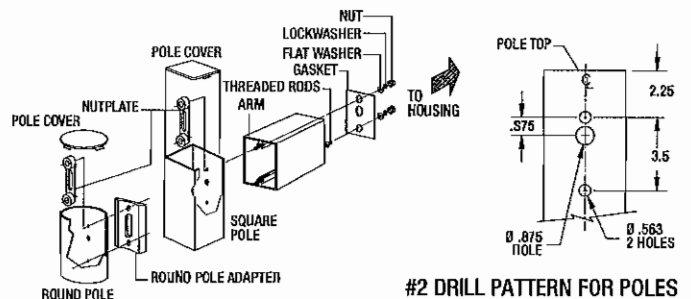
(Must be ordered separately. For field installation.)

Catalog #	Description
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-XX ¹	Wall Bracket
ARM-F-K-TA-XX ¹	Tenon Arm (single) adjustable (2 3/8" O.D. tenon)
ARM-F-TK-TA-XX ¹	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
SETA-XX ^{1,2}	4" Square Pole Tenon Adapter (4 @ 90°) (2 3/8" OD tenon)
RETA-XX ^{1,2}	4" Round Pole Tenon Adapter (4 @ 90°) (2 3/8" OD tenon)
TETA-XX ^{1,2}	Three sided Pole Tenon Adapter (3 @ 120°)

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



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Job Name:
Lot 16 Spirit Valley

Catalog Number:
LCC 42F8 1 LP

Notes:

Type:

W1

LEC-STL14-40999

LAREDO SERIES
LCC SERIES

NEW

Cat.#	Approvals	
Job	Type	



SPECIFICATIONS

Intended Use

- Full cutoff*, IDA compliant entry or perimeter lighting
- Six to twelve foot typical mounting heights

Construction

- Decorative die-cast aluminum housing and door. Rugged design protects internal components and provides excellent thermal management for long life
- Flat, tempered, impact-resistant glass lens protects optics
- 800 Series powder paint finishes provide lasting appearance and are available in standard finishes: Dark Bronze, Black, White, Gray and Platinum

Electrical

- HID units are medium base; CFL units have insert and twist electronic socket
- Lamps are optional
- Systems include Pulse Start 50-70w, CFL 26-42w, HPS 50-70w and LED 12w
- Optional socket available for remote power for power outage egress applications

LED

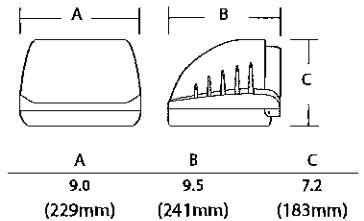
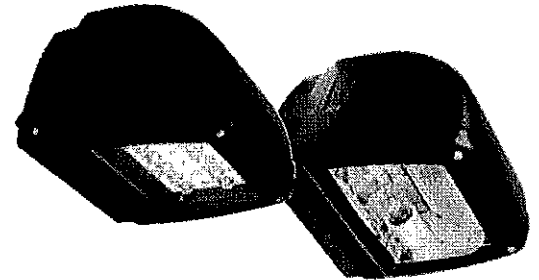
- NEW 12 LED system delivers 802 lumens at 12.4w for 64LPW efficiency
- Universal 120-277V, 50/60Hz driver, .5 amp max

Installation

- Two-point lag mount securely holds housing to surface; Mounting template is provided.
- Designed for mounting over standard recessed junction boxes or for wiring with surface conduit; 1/2" hubs with plugs provided on top and sides for versatile access

Listings

- Listed to UL 1598 for use in wet locations
- IDA Dark Sky compliant
- * (PSMH, CFL and HPS only) LED unit IDA compliant – no uplight



ORDERING INFORMATION

ORDERING EXAMPLE: LCC-70P8-1-LP

LCC	Wattage/Source/Voltage	Finish	Options
SERIES	WATTAGE/SOURCE/VOLTAGE	FINISH	OPTIONS*
LCC Laredo Compact Cutoff	ELECTRONIC FLUORESCENT	1 Bronze	PC1 Button photocontrol 120V
	26F 8 26w, 120-277V	2 Black	PC2 ¹ Button photocontrol 208V
	32E 8 32w, 120-277V	3 Gray	PC3 ¹ Button photocontrol 240V
	42F 8 42w, 120-277V	4 White	PC4 ¹ Button photocontrol 277V
	PULSE START METAL HALIDE	5 Platinum	
	50P 9 50w, 120/277V		Egress Lamp Socket
	70P 8 70w, 120-277V		EM Mini can base socket only for remote, power by others (Max 50w Halogen recommended)
	HPS		
	50S 1 50w, 120V NPF		
	70S 1 70w, 120V NPF		
	50S 8 50w, 120-277V		
	70S 8 70w, 120-277V		
	LED		
	12LU-5K 12w, 120-277V		LP Lamp shipped in carton with fixture (Standard on LED units) Fluorescent lamps are 3500K

LCC LED System:

- 5000K color temperature
- Five year limited warranty
- Typical spacing of three times mounting height
- LED is IDA approved – no uplight

ACCESSORIES

LCC-SPC	Polycarbonate shield
PBT-1	120V button photocontrol
PBT-234 ¹	208/240/277V button photocontrol
PTA-1	External 120V Photocontrol (use for 70w)
PTA-8	External photocontrol 120-277V (use for 70w and above)

¹ For use on CFL and LED units only

Note: 347V is available in 50P, 70P and 70S

Example: Change 50P8 to 50P6

*Not recommended at 70w