



VII. E.

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

August 28, 2008

Planning Commission
City of Chesterfield
690 Chesterfield Parkway West
Chesterfield, MO 63017

The Planning Commission agenda for September 8, 2008 will include the following item for your consideration:

SPIRIT VALLEY BUSINESS PARK, LOT 12 (CHESTERFIELD FENCE): A Site Development Section Plan, Landscape Plan, Lighting Plan, and Architectural Elevations for a 3.47 acre parcel located at 620 Spirit Valley East Drive, west of the intersection of Olive Street Road and Chesterfield Airport Road.

Dear Planning Commission:

Stock and Associates, Inc., on behalf of Chesterfield Fence and Deck Company, has submitted a Site Development Section Plan, Landscape Plan, Lighting Plan and Architectural Elevations for the above referenced project. The Department of Planning and Public Works has reviewed this request and submits the following report.

BACKGROUND

1. The site was originally zoned “NU” Non-Urban District by St. Louis County in 1965.
2. On June 18, 2007, the City of Chesterfield City Council approved Ordinance Number 2373, rezoning the property from a “NU” Non-Urban District to a “PI” Planned Industrial District.
3. On May 5, 2008, the City of Chesterfield City Council approved Ordinance 2456; which repealed Ordinance 2373 and added “Warehousing, storage, or wholesaling of manufactured commodities” as a Permitted Use in the “PI” Planned Industrial District.

SUBMITTAL INFORMATION

1. The request is for a 25,000 square foot building located on a 3.47 acre parcel.
2. As required by Ordinance 2456, the site includes a fifteen foot landscape buffer along the northern property line.
3. The property includes a six (6) foot section of privacy fence along the northern portion of the site, and an eight (8) foot privacy fence for the remainder of the fence.
4. The Landscape Plan and Lighting Plan have been reviewed by Staff and have been found to be in compliance with City requirements.

ARB RECOMMENDATIONS

This project was reviewed by the Architectural Review Board on August 14, 2008. The Architectural Review Board voted, by a vote of 5-0 to forward the above referenced project to the Planning Commission with two recommendations. The recommendations and the proposed actions are below.

1. Roof top units must be adequately screened so they are not visible.
 - The building, as proposed, includes a raised parapet on the north, west, and south sides of the building. The Petitioner has included a rooftop screen detail for your review that will be utilized to screen rooftop equipment from the east, as necessary.
2. Trash enclosure to be an architectural concrete block painted to match the building.
 - The Petitioner has added General Note 15 which states, "Trash enclosure to be an architectural concrete block painted to match the building."

DEPARTMENTAL INPUT

The submittal was reviewed and is in compliance with all City of Chesterfield ordinances. The Department of Planning and Public Works recommends approval of the Site Development Section Plan, Landscape Plan, Lighting Plan and Architectural Elevations.

Respectfully submitted,



Justin Wyse
Project Planner

Respectfully submitted,



Annissa McCaskill-Clay, AICP
Lead Senior Planner

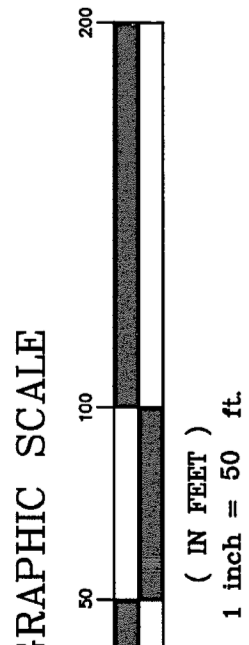
Cc: City Administrator
City Attorney
Director of Planning and Public Works

Attachments: Site Development Section Plan
Landscape Plan
Lighting Plan
Architectural Elevations

CHESTERFIELD FENCE AND DECK

A TRACT OF LAND BEING LOT 12 OF "SPIRIT VALLEY BUSINESS PARK" AS RECORDED IN PLAT BOOK 356 PAGE 177, CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI
ZONING: P1 "PLANNED INDUSTRIAL"
ORDINANCE NO. 2456

SITE DEVELOPMENT SECTION PLAN



GENERAL NOTES:

- EXISTING CONDITIONS BASED ON IMPROVEMENTS PER SPIRIT VALLEY BUSINESS PARK IMPROVEMENT PLANS (STOCK PROJECT 206-3923) (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 MAP AND THE MISSOURI STATE FLOOD HAZARD MAP AND UNRECORDED AREAS PER MAP NO. 58488C020, ST. LOUIS COUNTY, MISSOURI, DATED 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 LOCATION 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, EXCLUSIVE OF ROOF SCREENING, SHALL NOT EXCEED FORTY (40) FEET.
- UNTIL SUCH TIME AS THE CONNECTION OF THE SITE TO A PERMANENT SANITARY SEWER SYSTEM, A MINIMUM FIFTY PERCENT (50%) OPENSPACE IS REQUIRED FOR THIS DEVELOPMENT. UPON CONNECTION TO A SANITARY SEWER SYSTEM, A MINIMUM THIRTY PERCENT (30%) OPENSPACE WILL BE REQUIRED FOR THIS DEVELOPMENT.
- 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, ORDINANCE NO. 2456
- 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 AND APPROVED BY THE CITY OF CHESTERFIELD.
- ALL LIGHTING SHALL CONFORM TO THE LIGHTING ORDINANCE OF THE CITY OF CHESTERFIELD.
- ALL TRASH ENCLOSURES SHALL BE SCREENED WITH A 6 FT. TALL (MIN) ENCLOSURE CONSTRUCTED USING AN ARCHITECTURAL CONCRETE BLOCK PAINTED TO MATCH THE BUILDING.
- AN OPPORTUNITY FOR RECYCLING WILL BE PROVIDED.

OPEN SPACE CALCULATIONS PHASE I

LOT AREA=151,161 SF OR 3.47 ACRES
AREA IMPERVIOUS=104,237 SF
OPEN SPACE=46,927 SF
46,927/151,161=31.0%
FAR = 25,000/151,161=16.5%

PARKING CALCULATIONS

REQUIRED PARKING PHASE I: 24 EMPLOYEES WORKING ON A MAXIMUM SHIFT X 2/3 = 16 SPACES
TOTAL REQUIRED PARKING = 16 SPACES
REQUIRED PARKING PHASE II: 33 EMPLOYEES WORKING ON A MAXIMUM SHIFT X 2/3 = 22 SPACES
TOTAL REQUIRED PARKING = 22 SPACES
PROPOSED PARKING: 25 SPACES INCLUDING 2 HANDICAP SPACES.

OPEN SPACE CALCULATIONS PHASE II

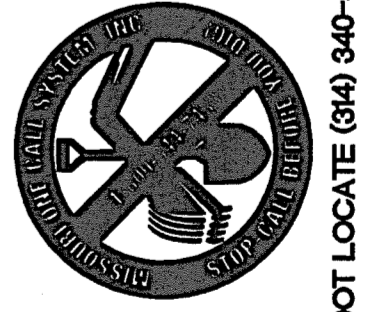
LOT AREA=151,161 SF OR 3.47 ACRES
AREA IMPERVIOUS=105,017 SF
OPEN SPACE=46,144 SF
46,144/151,161=30.5%
FAR = 35,000/151,161=23.2%

UTILITY NOTE

KEYSTONE AND ASSOCIATES CONSULTING ENGINEERS, INC. HAS PROVIDED THE UTILITY LOCATIONS SHOWN ON THIS PLAN. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF CHESTERFIELD AND MISSOURI STATE DEPARTMENT OF TRANSPORTATION AND HIGHWAYS (MSD) FOR ANY GRADING, EXCAVATION OR CONSTRUCTION OF UTILITIES THAT MAY BE REQUIRED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF CHESTERFIELD AND MISSOURI STATE DEPARTMENT OF TRANSPORTATION AND HIGHWAYS (MSD) FOR ANY GRADING, EXCAVATION OR CONSTRUCTION OF UTILITIES THAT MAY BE REQUIRED.

PREPARED FOR:

KEYSTONE CONSTRUCTION CO.
732 SPIRIT 40 PARK DRIVE
CHESTERFIELD, MO 63005
PHONE: (636) 519-7900
CONTACT: MR. BILL HARDIE



GEOTECHNICAL STATEMENT

KeyStone Engineering, Inc. has been engaged by the owner to provide geotechnical investigation services for the project proposed hereon. A geotechnical investigation was conducted during the month of July 2008 for the purpose of determining the bearing capacity of the soil and the earth-related aspects are suitable for the development proposed pursuant to the geotechnical recommendations set forth in our July 29, 2008 letter dated 8-25-08. The investigation was conducted in accordance with the International Geotechnical Engineering Council (IGEC) Standard Practice Manual, 2nd Edition, 1999, and the Missouri State Department of Transportation and Highways (MSD) Standard Specifications for Construction, 2008 Edition, Chapter 315.00.

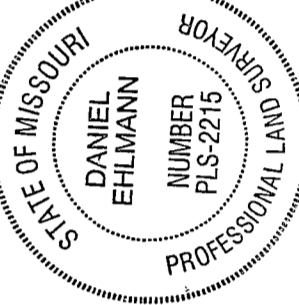


SURVEYOR'S CERTIFICATION

THIS IS TO CERTIFY THAT STOCK & ASSOCIATES CONSULTING ENGINEERS, INC. HAS BEEN ENGAGED BY THE OWNER TO PROVIDE A PROPERTY BOUNDARY 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.

By: Daniel Falmann, Missouri License No. 2215

Date: 8-25-08



SITE INFORMATION

ADDRESS = 620 SPIRIT VALLEY EAST DRIVE
CHESTERFIELD, MO 63005
SITE AREA = 151,161 S.F. OR 3.47 ACRES
PURCHASER = CHESTERFIELD FENCE AND DECK
UNDER CONTRACT
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 U.E.
GAS SERVICE = LACLEDE GAS
PHONE SERVICE = SWBT
WATER SERVICE = MO. AMERICAN WATER CO.
CABLE SERVICE = CHARTER COMMUNICATIONS

the owner of the property shown on this plan for and in consideration of being granted a permit to develop property under the provisions of Chapter _____ of the City of Chesterfield (Planned Industrial (present zoning))

Ordinance No. 2456 do hereby agree that said property from the date of recording this plan shall be developed only as shown herein and this plan is amended by the Planning Commission, or added or vacated by order of the City of Chesterfield Council.

(Signature) _____

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

On this _____ day of _____, 2008, before me personally appeared _____, who being by me duly sworn, did say he is the _____ and that said liability instrument was signed on behalf of said limited liability company, and that said instrument to be the free act and deed of said limited liability company.

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 _____, 2008, by the Chairman of said Commission, authorizing the recording of this Site Development Section Plan pursuant to Chesterfield Ordinance Number 200, as attested to by the Director of Planning and the City Clerk.

Aimee Nasif,
Planning and Development Services Director

Judy Noglar,
City Clerk

LEGAL DESCRIPTION

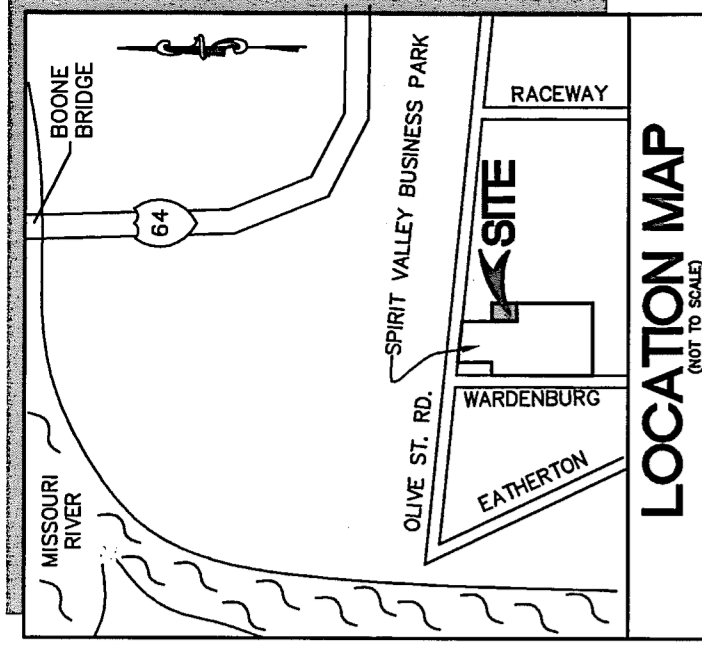
A TRACT OF LAND BEING LOT 12 OF "SPIRIT VALLEY BUSINESS PARK" AS RECORDED IN PLAT BOOK 356 PAGE 177, CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI

DMR BENCHMARK

ALUMINUM DISC STAMPED "51-40, 1990" ON THE INTERSECTION OF SPIRIT VALLEY EAST DRIVE AND CHESTERFIELD FENCE AND DECK. ST. LOUIS COUNTY DMR ELEV.=486.55

TEMPORARY SITE BENCHMARK

RAILROAD SPIKE IN POWER POLE ON THE SOUTH SIDE OF SPIRIT VALLEY EAST DRIVE AT THE INTERSECTION OF SPIRIT VALLEY EAST DRIVE AND CHESTERFIELD FENCE AND DECK. ST. LOUIS COUNTY ELEV.=484.48 DMR ELEV.=484.21



LOCATION MAP

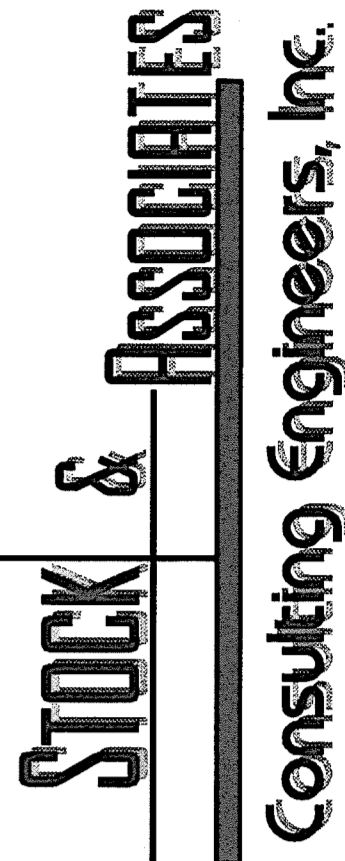
APPROXIMATELY 4100' WEST OF INTERSECTION OF OLIVE STREET RD. AND CHESTERFIELD AIRPORT RD.

7/29/08 - REVISED PER CITY/MONARCH FIRE COMMENTS

SITE DEVELOPMENT SECTION PLAN

CHESTERFIELD FENCE

MSD P. # 17W



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

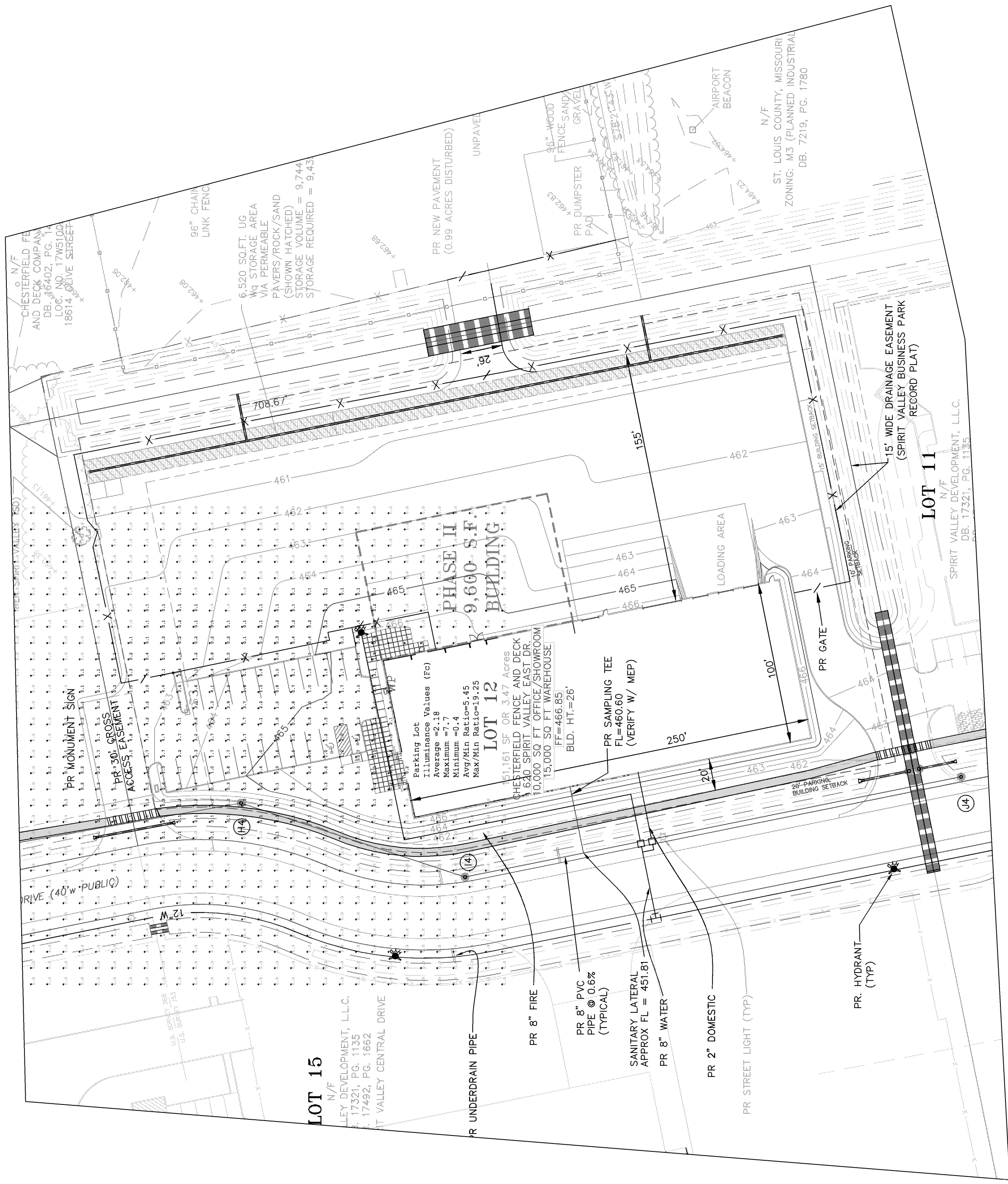
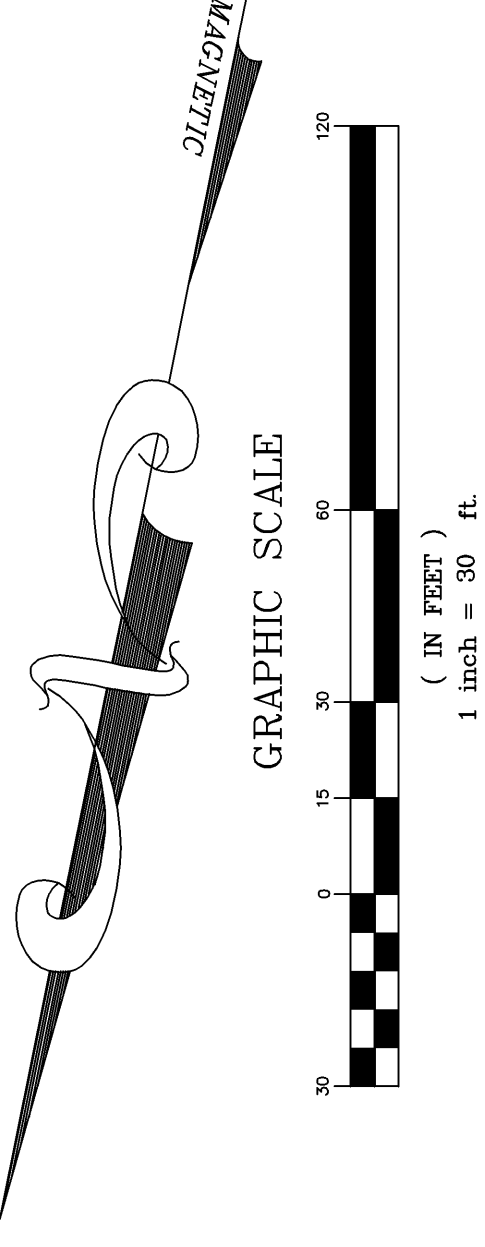
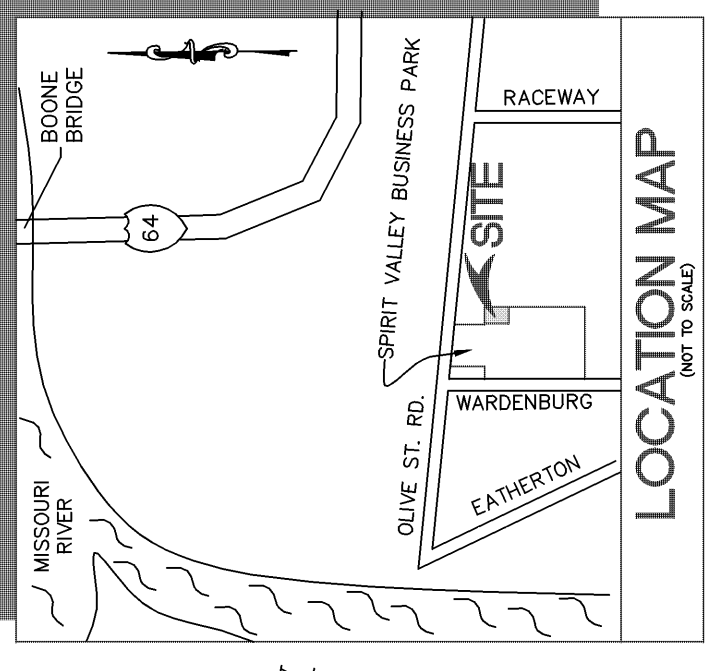
DRAWN BY: E.J.B. DATE: 06/17/08 G.M.S. 06/17/08 207-4187.1 1 of 1

CHESTERFIELD FENCE AND DECK

A TRACT OF LAND BEING LOT 12 OF "SPIRIT VALLEY BUSINESS PARK" AS RECORDED IN PLAT BOOK 356 PAGE 177, CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI

LIGHTING PLAN

ZONING: P1 "PLANNED INDUSTRIAL"
ORDINANCE NO. 2456

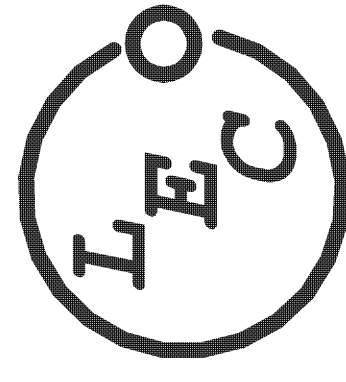


NOTE: ALL EXTERIOR LIGHTING WILL BE FULLY-SHIELDED FLAT-LENS ENCLOSED LUMINAIRES

ALL BUILDING MOUNTED LIGHTING WILL BE FULLY SHIELDED, CUT-OFF OPTICS, FLAT-LENS LUMINAIRES

Luminaire Schedule	Symbol	Qty	Label	Description	Lumens	LLF
	□	1	WP	WD18x4 250MHX WALL MTD. @ 20' ABOVE GRADE	21000	1.000
	□	1	S3	PFM-H40-V3-F 400W MH FULL CUTOFF SHOEBOX AT 20' ABOVE GRADE	36000	1.000

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Max/Min
ALL POINTS	Illuminance	FC	0.31	7.7	0.0	N.A.
Parking Lot	Illuminance	FC	2.18	7.7	0.4	5.45

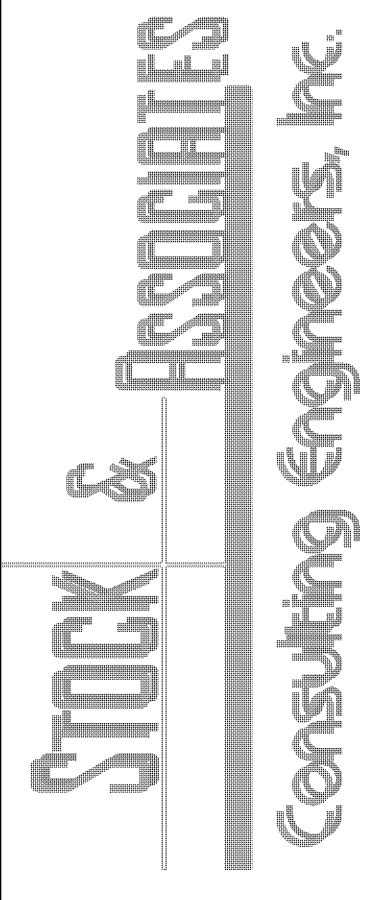


Filename: Spirit Valley Lot 12.AGI
Date: 6/18/2008

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

PREPARED FOR:
KEYSTONE CONSTRUCTION CO.
732 SPIRIT 40 PARK DRIVE
CHESTERFIELD, MO 63005
PHONE: (636) 519-7900
CONTACT: MR. BILL HARDIE

SPRIT VALLEY LOT 12 - CHESTERFIELD FENCE
LIGHTING PLAN



257 Chesterfield Business Parkway
St. Louis, MO 63005
PH: (636) 530-9100
FAX: (636) 530-9130
e-mail: general@stockassoc.com
Web: www.stockassoc.com

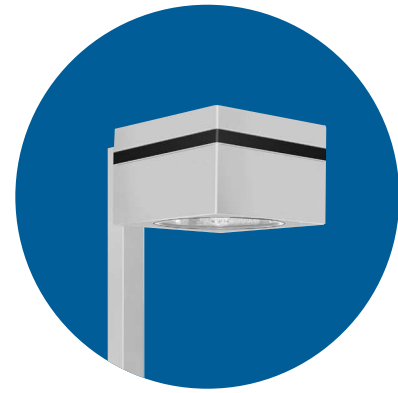
DATE: 07/29/08
DRAWN BY: LUIKART EASON-CALCATERRA & CO.
PAGE: 207-4187
C1

PROFORMER-XL

MEDIUM/LARGE

Features

- Square, formed aluminum housing with embossed decorative band. Optional color vinyl trim stripe available.
- Formed aluminum door with round, clear, convex tempered glass lens, fully gasketed to housing, secured with hinge and two captive screws.
- Optional flat glass lens requires reduced-envelope lamp.
- Specular, anodized aluminum, segmented reflectors for vertical lamp, provide Type III, IV, V square, or V rectangular light patterns. IESNA Full Cutoff lighting classification achieved with flat lens. Tool-less fasteners allow easy access to ballast. Type IV optics rotatable (consult factory)
- Extruded aluminum arm available for pole mount. 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.
- Mogul porcelain socket, pulse rated, with spring loaded, nickel plated center contact and reinforced lamp grip screw shell.
- CWA type ballast, HPF, starting rated at -20°F (-40°F for HPS).

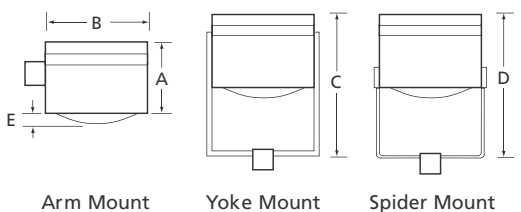


Ordering Information

Example: PFL - A - P1K - V5 - C - Q - GR

	Series	Mount	Lamp/Watts	Orient./Dist.	Lens	Volts	Color
Series							
PFM	250-400W						
PFL	450-1000W						
Mounting							
A	Arm Mount (arm not included, order separately)						
S4	Spider Mount - Pad (4" sq. alum. pole)(PFM only)						
S5	Spider Mount - Pad (5" square pole)						
S6	Spider Mount - Pad (6" square pole) (PFL only)						
ST	Spider Mount (2 3/8" tenon)						
Y4A	Yoke Mount - Pad (4" sq. alum. pole)(PFM only)						
Y5A	Yoke Mount - Pad (5" sq. alum. pole)(PFM only)						
Y6A	Yoke Mount - Pad (6" sq. alum. pole)						
Y4S	Yoke Mount - Pad (4" sq. steel pole)(PFM only)						
Y5S	Yoke Mount - Pad (5" sq. steel pole)(PFM only)						
Y6S	Yoke Mount - Pad (6" sq. steel pole)						
YT	Yoke Mount (2 3/8" tenon)						
Lamp Type/Wattage							
Metal Halide							
H25	250W (ED-28)						
H40	400W (ED-37) ¹						
H1K	1000W (BT-56) ¹						
Pulse Start Metal Halide							
P25	250W (ED-28)						
P32	320W (ED-37) ¹						
P35	350W (ED-37) ¹						
P40	400W (ED-37) ¹						
P45	450W (ED-37)						
P75	750W (BT-37) ⁷						
P1K	1000W (BT-37) ⁷						
High Pressure Sodium							
S25	250W (ED-18)						
S40	400W (ED-18)						
S1K	1000W (E-25) ¹						
		Lamp Orientation/Distribution					
		V3	Vert. III				
		V4	Vert. IV				
		V5	Vert. V (square) ²				
		VT	Vert. V (rectangle) ³				
		Lens					
		F	Flat				
		C	Convex				
		Voltage					
		Q	Quad Tap® (120, 208, 240, 277V) ⁴				
		5	480V				
		T	120/277/347V CSA ⁴				
		Color					
		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)				
		Options					
		F1	Fusing - 120V				
		F2	Fusing - 208V				
		F3	Fusing - 240V				
		F4	Fusing - 277V				
		F5	Fusing - 480V				
		F6	Fusing - 347V				
		PR1	Photo Cell Receptacle - 120V				
		PR2	Photo Cell Receptacle - 208V				
		PR3	Photo Cell Receptacle - 240V				
		PR4	Photo Cell Receptacle - 277V				
		PR5	Photo Cell Receptacle - 480V				
		PR6	Photo Cell Receptacle - 347V				
		QZ	Quartz RS with lamp				
		HS	Internal House Side Shield				
		RDB	Reveal (Dark Bronze)				
		RBL	Reveal (Black)				
		RWH	Reveal (White)				
		RGR	Reveal (Gray)				
		RPS	Reveal (Platinum Silver)				
		Options Continued					
		RRD	Reveal (Red)				
		RFG	Reveal (Forest Green)				
		L	Lamp				
		Arm Logic - Order Separately					
		Series					
		ARM	Rigid Arm				
		Luminaire Shape					
		S	Square				
		Arm Length					
		6	6" Arm (EPA = 0.24 ft ² , 3.5 lbs) (0.02 m ² , 1.5 kg)				
		12	12 1/2" Arm (EPA = 0.5 ft ² , 6 lbs) (0.04 m ² , 2.7 kg) ⁵				
		Pole Shape					
		S	Square				
		R4	Round Straight (4-4.5")				
		R5	Round Straight (5")				
		R6	Round Straight (6")				
		T2	Round Tapered (2.5")				
		T3	Round Tapered (3")				
		T35	Round Tapered (3.5")				
		T4	Round Tapered (4")				
		Color					
		DB	Dark Bronze				
		BL	Black				
		WH	White				
		GR	Gray				
		PS	Platinum Silver				
		RD	Red (Premium Color)				
		FG	Forest Green (Premium Color)				
		1	Reduced-envelope lamp required with flat lens.				
		2	ED-37 lamp required with 1000W HPS.				
		3	PFL (convex lens) only.				
		4	Factory wired for highest voltage unless specified.				
		5	Required for 90° configurations.				
		6	Flat lens only.				
		7	277V, 347V, 480V only.				
		Note	For Photocontrol Equipment, see Hubbell Outdoor offering.				

Dimensions



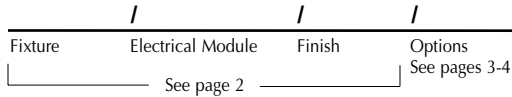
	A	B	C	D	E	EPA	Weight
PFM-Flat	12"	21 1/8"	37 1/4"	39 1/2"	-	2.2 ft ²	46 lbs.
PFM-Convex	305 mm	537 mm	946 mm	1003 mm	-	0.2 m ²	20.8 kg
PFL-Flat	12"	21 1/8"	37 1/4"	39 1/2"	2 7/8"	2.3 ft ²	47 lbs.
PFL-Convex	305 mm	537 mm	946 mm	1003 mm	73 mm	0.2 m ²	21.3 kg
PFL-Flat	16"	25"	45 1/2"	46"	-	3.4 ft ²	77 lbs.
PFL-Convex	406 mm	635 mm	1156 mm	1168 mm	-	0.3 m ²	34.9 kg
PFL-Convex	16"	25"	45 1/2"	46"	4"	3.5 ft ²	79 lbs.
PFL-Convex	406 mm	635 mm	1156 mm	1168 mm	102 mm	0.3 m ²	35.8 kg

Note Spider mount adds: Medium - 0.5 EPA (9 lbs), Large - (0.6 EPA (11 lbs))
 Note Yoke mount adds: Medium - 1.6 EPA (11 lbs), Large - 2.6 EPA (18 lbs)

SQUARE LUMINAIRES

Type:
 Job:
 Catalog number:

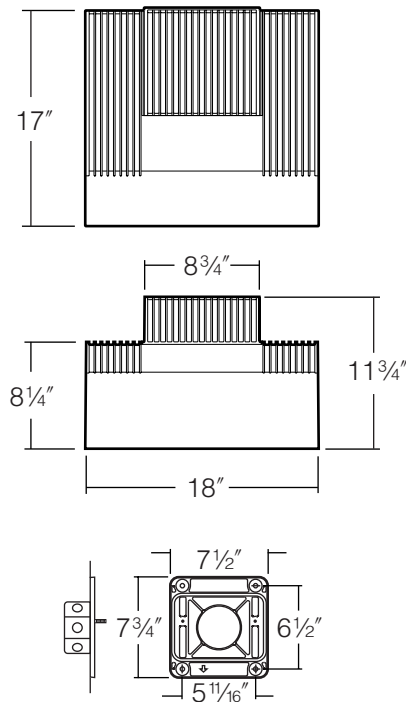
Approvals:



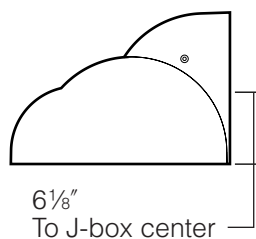
Date:
 Page: 1 of 4

Specifications

Maximum Fixture
 Weight (400HPS) = 43 lb



Mounting Plate must be securely attached to wall outside the J-box perimeter.



Reflector Housing: One piece die-cast aluminum with integral cooling fins. Rotates against ballast housing to provide 10° of adjustment with degree markers cast into housing. At 0° adjustment, lens is totally concealed from view above horizontal with fixture aimed downward.

Ballast Housing: One piece die-cast aluminum with integral cooling fins. Fastens to mounting plate with keyhole slots freeing both hands for securing and wiring. One stainless steel socket-head screw on each side of housing frees the reflector housing to rotate for aiming. Tightening the screws locks the two housings together with sealing provided by a silicone gasket. For visual aiming, adjustment may be accomplished with the fixture on.

Lens Frame: One piece die-cast aluminum with integral hinges and stainless steel pins. Two stainless steel quarter-turn fasteners secure lens frame to reflector housing with sealing provided by a one piece extruded and vulcanized silicone gasket. Lens is clear flat 3/16" thick tempered glass sealed to lens frame with a silicone gasket and retainer clips. For UP models, lens is mounted flush with frame for water run off, and is silicone sealed.

Type II, III, and IV Reflector Module: Specular Alzak® optical segments are rigidly mounted to an aluminum module which attaches to the housing by a no-tool quick-disconnecting hinge and fastener. All sockets are mogul base with HPS rated 4KV, and MH versions have pin-oriented sockets with molded silicone lamp stabilizers. All modules are factory prewired with a quick-disconnect plug for mating to the ballast. Available in three light distributions, all interchangeable within the same housing.

Wall Grazer Reflector Module: Specular Alzak® optical segment is rigidly formed into a self-contained module which attaches to the housing by a no-tool quick-disconnecting hinge and fastener. Black louver vanes run parallel to the lamp arc for controlling the hot spot directly behind the fixture, and spill light into the atmosphere. All sockets are porcelain mogul base with HPS rated at 4KV, and MH versions having pin-oriented sockets with molded silicone lamp stabilizers. All modules are factory prewired with a quick-disconnect plug for mating to the ballast.

Spot Reflector Module: Specular Alzak® optical spun parabola is rigidly mounted to a self-contained module which attaches to the housing by a no-tool quick-disconnecting hinge and fastener. Black internal louvers are provided to control the beam and prevent hot spots directly behind the fixture and spill light into the atmosphere. All sockets are mogul base with HPS rated 4KV, and MH versions have pin-oriented sockets with molded silicone lamp stabilizers. All modules are factory prewired with a quick-disconnect plug for mating to the ballast.

Electrical Components: High power factor ballasts are rigidly mounted inside the housing and are factory prewired with a quick-disconnect plug for mating to the socket. Starting temperatures are -40°F for HPS lamp modes and -20°F for MH lamp modes.

Mounting Plate: The standard mounting plate is attached to wall (by others) outside the Junction Box perimeter. All mounting plates are die-cast aluminum with reinforced ribs. Two studs are provided in each plate with flange nuts to allow fixture mounting by keyhole slots. Sealant must be applied (by others) between mounting plate and mounting surface to insure a dry Junction Box.

Finish: Super TGIC thermoset polyester powder coat paint, 2.5 mil nominal thickness, applied over a chromate conversion coating; 2500 hour salt spray test endurance rating. Standard colors are Black, Dark Bronze, Light Gray, Platinum Silver, or White. Custom colors are available and subject to additional charges, minimum quantities and longer lead times. Consult representative.

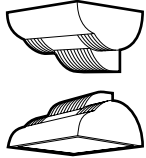
Certification: UL Listed to U.S. and Canadian safety standards for wet locations. Fixture manufacturer shall employ a quality program that is certified to meet the ISO 9001 standard.

CAUTION: Fixtures must be grounded in accordance with local codes or the National Electrical Code. Failure to do so may result in serious personal injury.

Type:

Job:

Page: 2 of 4



Standard Features

Fixture

Cat. No. designates **WD18** fixture, Up (U) or Down (D) configuration, and light distribution (2, 3, 4, G or S).



WD Fixture



Type II



Type III



Type IV



Wall Grazer



Spot

Light Distribution:

Cat. No.: (Up 18")

WD18U2

WD18U3

WD18U4

WD18UG

WD18US

Cat. No.: (Down 18")

WD18D2

WD18D3

WD18D4

WD18DG

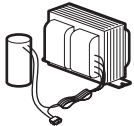
WD18DS

Electrical Module

HPS = High Pressure Sodium

MH = Metal Halide

PMH = Pulse Start Metal Halide



Lamp	Lamp	Line
Watts	Type	Volts
400	HPS	277

Cat. Nos. for Electrical Modules available:

250HPS120

400HPS120

250HPS208

400HPS208

250HPS240

400HPS240

250HPS277

400HPS277

250HPS347

400HPS347

250HPS480

400HPS480

Lamp	E-18, Clear	E-18, Clear
Socket	Mogul Base	Mogul Base
ANSI Ballast Type	S-50	S-51

250MH120

400MH120

250PMH120

400PMH120

250MH208

400MH208

250PMH208

400PMH208

250MH240

400MH240

250PMH240

400PMH240

250MH277

400MH277

250PMH277

400PMH277

250MH347

400MH347

400PMH347

250MH480

400MH480

400PMH480

Lamp	BT-28 or ED-28, Clear	ED-28, Clear	ED-28, Clear	ED-28, Clear
Socket	Mogul Base	Mogul Base	Mogul Base	Mogul Base
ANSI Ballast Type	M-58	M-59	M-138	M-135

Finish

Super TGIC powder coat paint over a chromate conversion coating.

Color: Black Dark Bronze Light Gray Platinum Silver White ¹Custom Colors

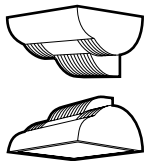
Cat. No.: **BL-P** **DB-P** **LG-P** **PS-P** **WH-P** **CC-P**

¹Custom colors subject to additional charges, minimum quantities and extended lead times. Consult representative. Custom color description: _____

Type:

Job:

Page: 3 of 4



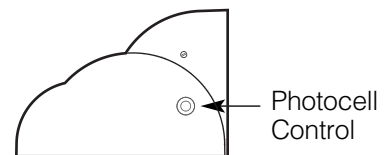
Optional Features

Photocell Control

Cat. No. (see right)
 No Option

Factory installed inside housing with fully gasketed sensor on side wall.

Cat. No.	Line Volts:	Cat. No.	Line Volts:
<input type="checkbox"/> A-30	120V	<input type="checkbox"/> A-33	277V
<input type="checkbox"/> A-31	208V	<input type="checkbox"/> A-34	480V
<input type="checkbox"/> A-32	240V	<input type="checkbox"/> A-35	347V



Houseside Shield

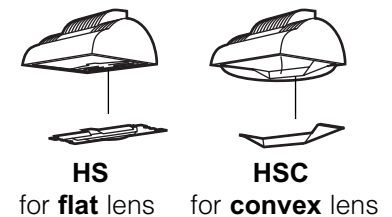
Cat. No. (see right)
 No Option

Combination louver shield and black end-panel for reflector. Factory installed to reflector module. Reduces light toward wall by the amounts shown.

CAUTION: Do not use the Houseside Shield option with the Wall Grazer as it will interfere with the light distribution.

Approximate Light Reduction Toward Wall	Type II	Type III	Type IV
	-72%	-73%	-84%

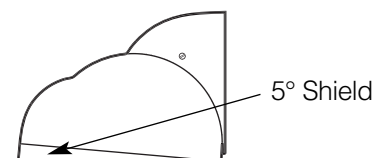
Cat. No.
 HS for flat lens
 HSC for fixtures with optional convex glass lens.



5° Shield

Cat. No. 5DS18
 No Option

Aluminum shield field-attached to lens frame. Maintains a horizontal cutoff fixture edge when the luminaire is tilted 5°. Finished to match the fixture.

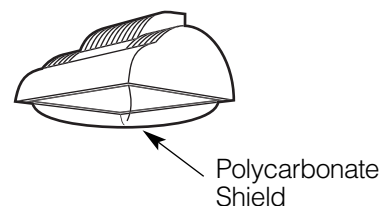


Polycarbonate Shield

Cat. No. LS
 No Option

For DOWN fixture models only. Fully gasketed one piece vacuum formed clear UV stabilized polycarbonate shield replaces standard tempered glass lens. 250W max. May be used with 400W HPS only in outdoor locations where ambient air temperature during fixture operation will not exceed 85°F.

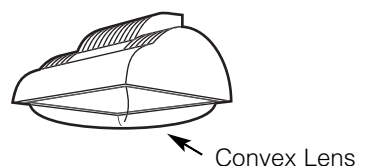
NOTE: Use only when vandalism is anticipated to be high. Useful life is limited by UV discoloration from sunlight and MH lamps. A program of regular inspection and periodic replacement is highly recommended to maintain optimum fixture performance.



Convex Glass Lens

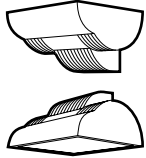
Cat. No. CGL
 No Option

Tempered convex glass lens replaces standard flat lens.

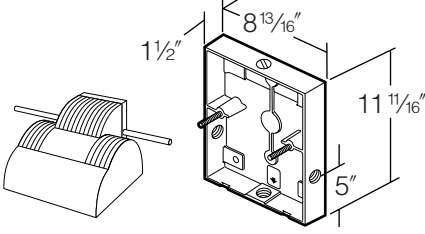


Type:

Job:



Optional Features

<p>Fusing Cat. No. (see right) <input type="checkbox"/> No Option</p>	<p>Line Volts: 120V 208V 240V 277V 347V 480V Cat. No.: <input type="checkbox"/> SF <input type="checkbox"/> DF <input type="checkbox"/> DF <input type="checkbox"/> SF <input type="checkbox"/> SF <input type="checkbox"/> DF</p>
<p>Quartz Standby Cat. No. <input type="checkbox"/> QS <input type="checkbox"/> No Option</p>	<p>Integral electronic device energizes a T-4 mini-can socket during initial lamp start-up or after a power interruption. De-energizes prior to H.I.D. lamp reaching full brightness. T-4 halogen lamp by others; 250 watt maximum.</p>
<p>Surface Conduit Mount Cat. No. <input type="checkbox"/> SCM18 <input type="checkbox"/> No Option</p>	<p>Cast aluminum Junction Box and fixture mount for attachment (by others) to existing walls, beams or columns. SCM18 has one 3/4" NPT conduit tap in each side, top and bottom. Finished to match the fixture. SCM18 for all fixtures, UP and DOWN.</p> 
<p>Wire Guard Cat. No. <input type="checkbox"/> WG <input type="checkbox"/> No Option</p>	<p>11 ga. (.12" dia.) BB Wire, 15" x 14 1/2" x 1 1/2" deep. Finish is super TGIC thermoset polyester powder coat paint, over zinc plated wireform. NOTE: Only available with flat lens applications.</p> 