



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

Planning Commission Report

Project Type: 2nd Amended Site Development Section Plan

Meeting Date: December 13, 2010

From: Kristian Corbin

Project Planner

Location: Spirit of St. Louis Airpark (503 Turbine Avenue)

Applicant: Frontenac Engineering Group

Description: Spirit of St. Louis Airpark, Lot 2 (Aero Charter): A 2nd

Amended Site Development Section Plan, Architectural Elevations, Landscape Plan, and Lighting Plan for a 8.59 acre tract of land zoned "M3" Planned Industrial District located southwest

of the intersection of Edison Avenue and Turbine Avenue.

Proposal Summary

Frontenac Engineering on behalf of First Hangar Investors LLC., has submitted an Amended Site Development Section Plan, Landscape Plan, Lighting Plan and Architectural Elevations for Planning Commission review. The request is to add a new 34,200 square foot aircraft hangar facility located on Lot 2 of the Spirit of St. Louis Airpark Subdivision. Currently, there is a 34,800 square foot hangar exsisting on the site to the east of the proposed structure. The exterior building materials will be white metal panels to match the existing hangar's material and color. The roof will be comprised of Gavalume roof panels.

Land Use and Zoning History of the Site

St. Louis County approved a rezoning from an "NU" Non Urban District to an "M-3" Planned Industrial District for Spirit of St. Louis Airport via Ordinance Number 2212. The ordinance was subsequently amended by St. Louis County Ordinance Numbers 9642, 11,768, 13,838, and 13,935.

On March 2, 1992, the City of Chesterfield adopted Ordinance 656 which amended St. Louis County Ordinance 13,935 to reduce the right-of-way on Edison Avenue from sixty

(60) feet to forty (40) feet with a ten (10) foot road easement. On April 3, 1994, the City of Chesterfield adopted Ordinance 870 which amended St. Louis County Ordinances 2212, 9642, 11,768, 13,838, and 13,935 and allowed additional permitted uses.

The boundary of the "M-3" Planned Industrial District was changed via City of Chesterfield Ordinance 1156 on April 15, 1996. Ordinance 1156 amended St. Louis County Ordinance 13,838 and City of Chesterfield Ordinance 656 and repealed City of Chesterfield Ordinance 870. On September 15, 1997, the City of Chesterfield adopted Ordinance 1312 which amended Ordinance 1156 allowing for fraternal organizations within the established District. On July 20, 1998, the City of Chesterfield adopted Ordinance 1430 which reduced the side yard setback for 660 Goddard Avenue. The side yard setback changed from ten (10) feet to three (3) feet from the northern boundary and from ten (10) feet to nine (9) feet on the southern boundary.

A Site Development Plan was approved in October of 1997 for the construction of the existing 34,800 square foot hangar. Since that time, there have been no improvements to the site.

Land Use and Zoning of Surrounding Properties

Direction	Land Use	Zoning	Subdivision
North	Hangar	"M-3" Planned Industrial District	Spirit of St. Louis Airpark
South	Taxi Lanes	"M-3" Planned Industrial District	Spirit of St. Louis Airpark
East	Vacant	"M-3" Planned Industrial District	Spirit of St. Louis Airpark
West	Taxi Lanes	"M-3" Planned Industrial District	Spirit of St. Louis Airpark





Staff Analysis

Zoning

The subject site is currently zoned "M-3" Planned Industrial District under the terms and conditions of City of Chesterfield Ordinance 1430. The submittal was reviewed against the requirements of Ordinance 1430 and all applicable Zoning Ordinance requirements.

The site adheres to the applicable Zoning Ordinance requirements and the site specific governing ordinance.

Traffic/Access and Circulation

The proposed hangar is located west of the existing hangar. The subject site has frontage along Turbine Avenue with access via the cul-de-sac at the southern edge of the street. The access point from Turbine Avenue will not be altered by the proposed hangar. The petitioner proposed parking stalls close to building access points in an attempt to minimize pedestrian and vehicular conflicts. Staff has no issues with the allocation of parking stalls and circulation lanes as they relate to the orientation of the proposed hangar.

Parking

Parking areas for the proposed hangar are allocated to the north and eastern sides of the structure. There will be no changes to the parking stalls around the existing hangar on the subject site. The number of parking spaces provided meets the requirements of the Off-Street Parking and Loading Regulations section of the City of Chesterfield Zoning Ordinance.

Landscaping

A Landscape Plan has been submitted and meets all the requirements of the City of Chesterfield Landscape and Tree Preservation Requirements. Trees and shrubs have been used to screen parking areas, structural utilities, trash enclosure and to identify building entrances. No changes have been made to the existing landscaping of the subject site. The City Arborist has reviewed the Landscape Plan and had no additional comments.

Lighting

The Lighting Plan depicts the building and parking lot lighting for the subject site. The proposed light standards and foot candle levels adhere to the City of Chesterfield Lighting Ordinance requirements.

Architectural Elevations

The project was before the Architectural Review Board on November 18, 2010. The proposed exterior building materials will be comprised of white metal wall panels designed to closely resemble the adjacent aircraft hangar. The Architectural Review Board had no comments about the proposed Architectural Elevations of the hangar. A motion was passed to forward the project to Planning Commission for approval by a vote of 5-0.

Motion

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

1. "I move to approve (or deny) the 2nd Amended Site Development Section Plan, Landscape Plan, Lighting Plan, and Architectural Elevations for Spirit of St. Louis Airpark Lot 2, (Aero Charter)."

2. "I move to approve the 2nd Amended Site Development Section Plan, Landscape Plan, Lighting Plan, and Architectural Elevations for Spirit of St. Louis Airpark Lot 2, (Aero Charter) with the following conditions..." (Conditions may be added, eliminated, altered or modified)

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

Attachments: 2nd Amended Site Development Section Plan

Landscape Plan Lighting Plan

Architectural Elevations



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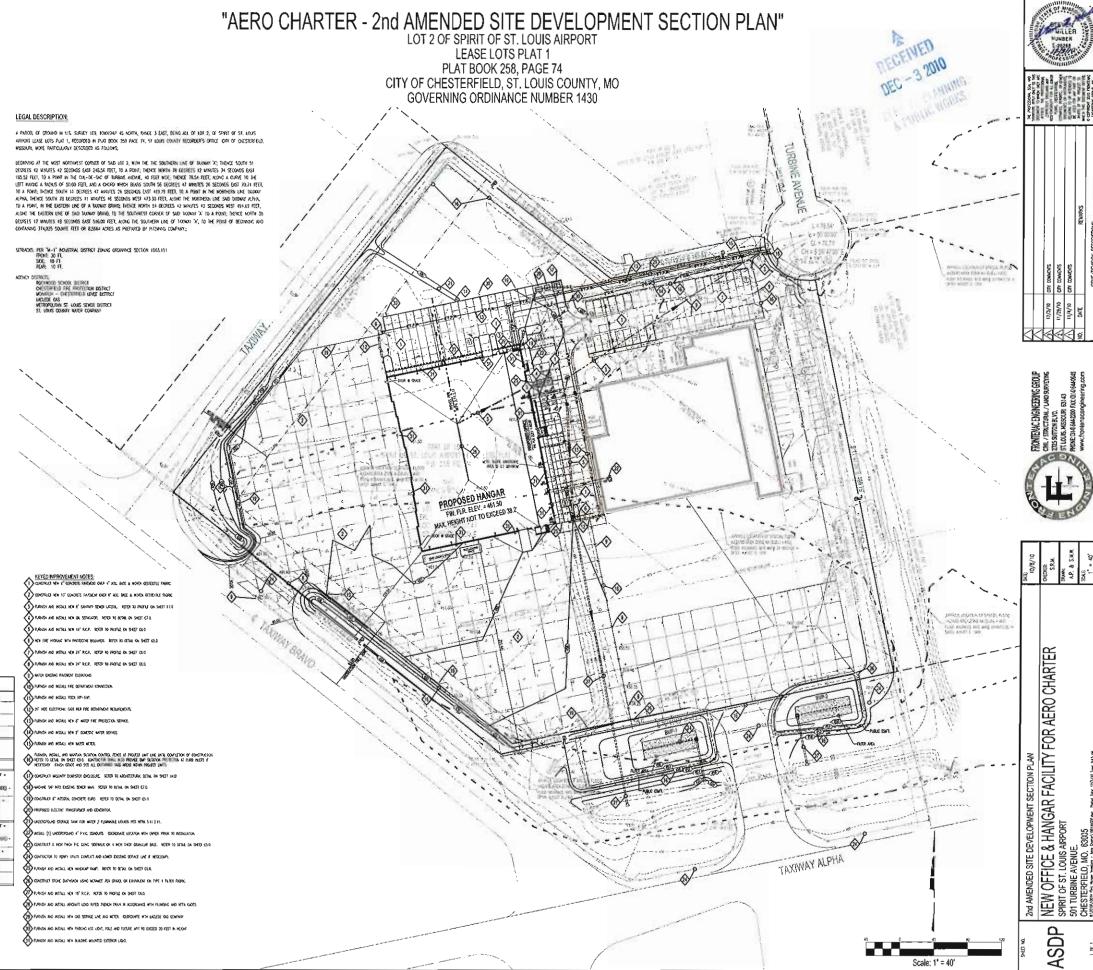
Planning and Development Services Director

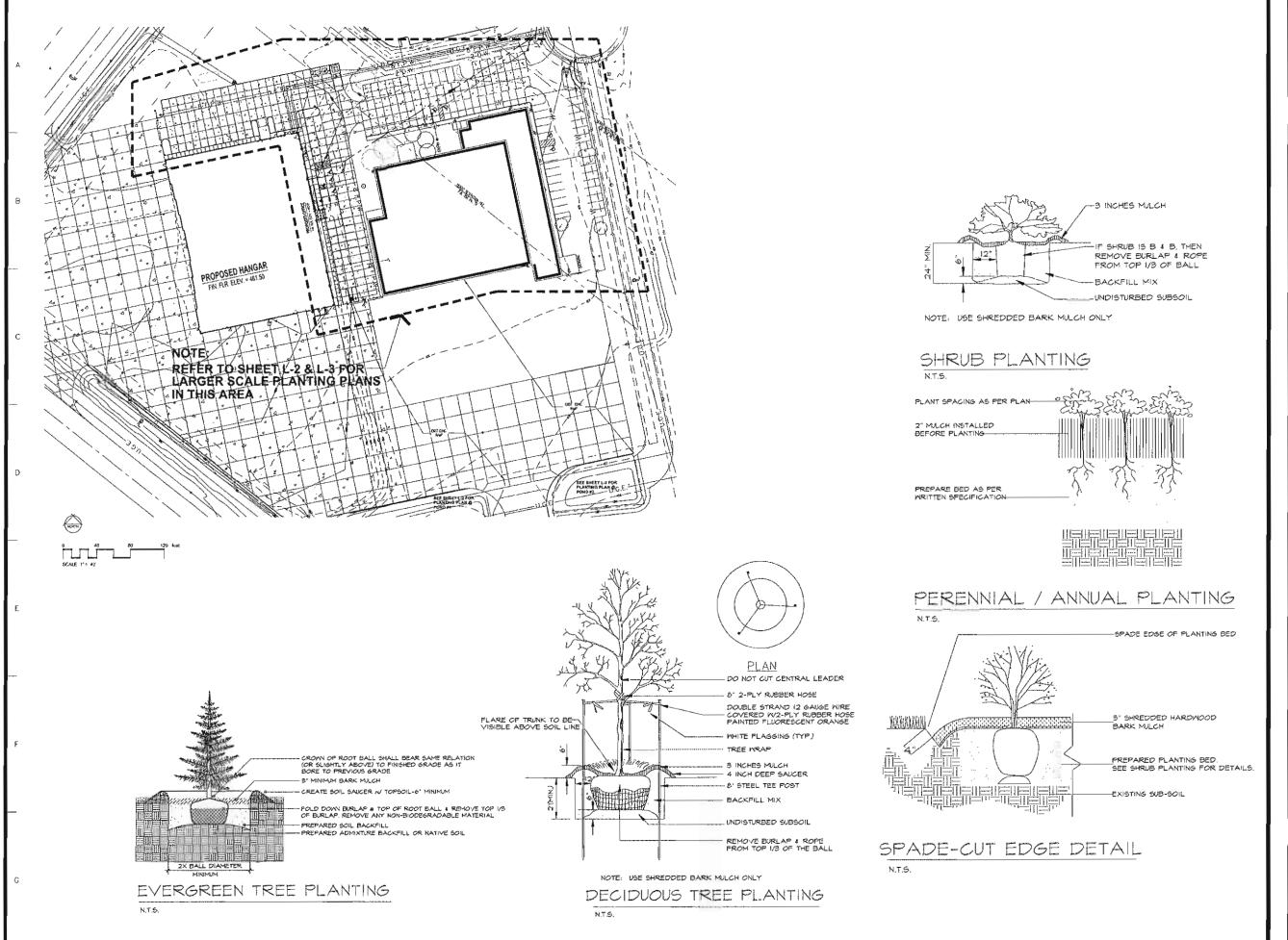
Ordinance 1430, dated the 200 of July, 1953, which prescribed conditions relating to approved "N-3" zoung is recorded as Doly Humber 552 on the 18th day of August, 1991, in the St. Louis, County Recorder's Office.

APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL

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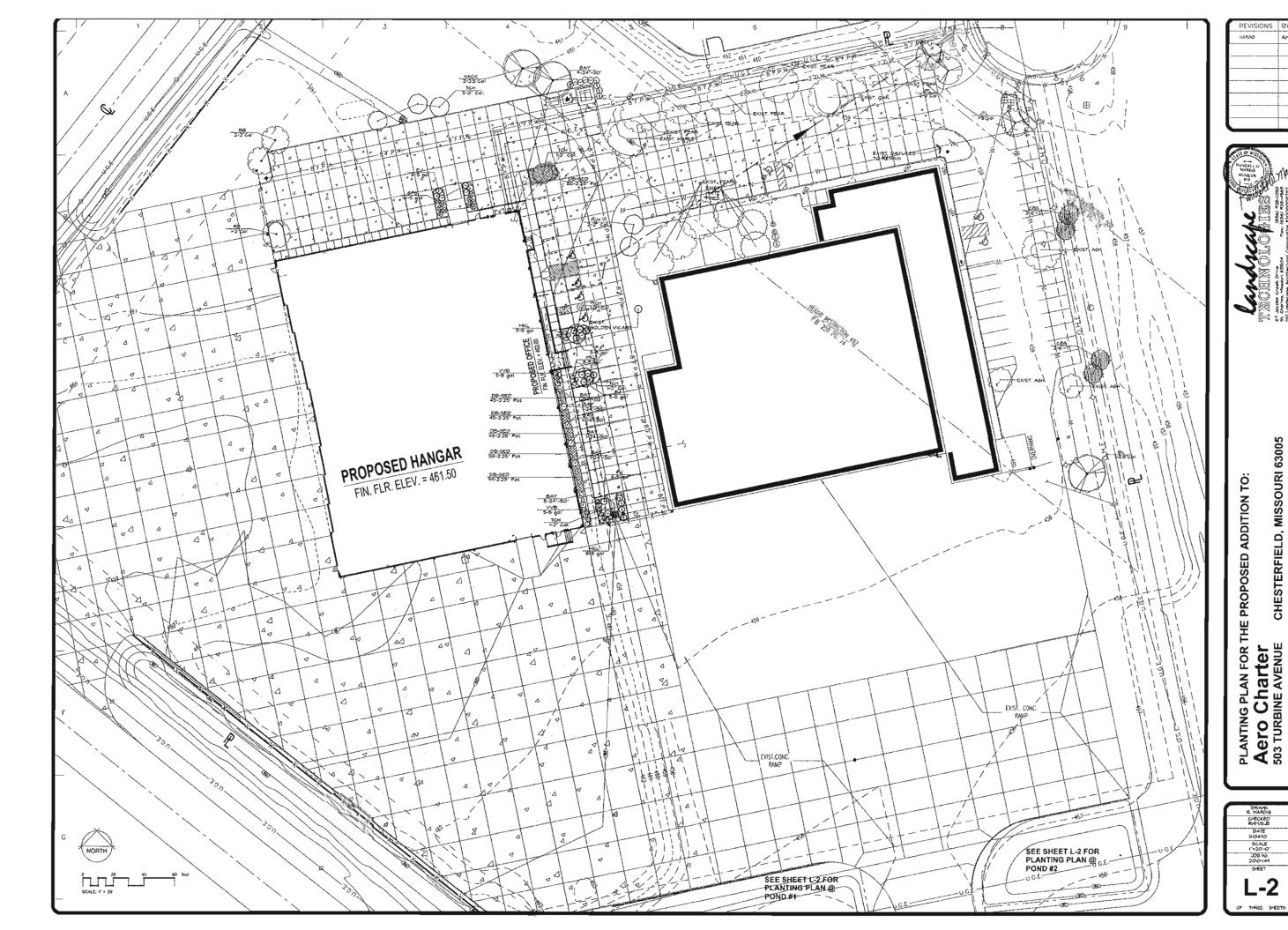
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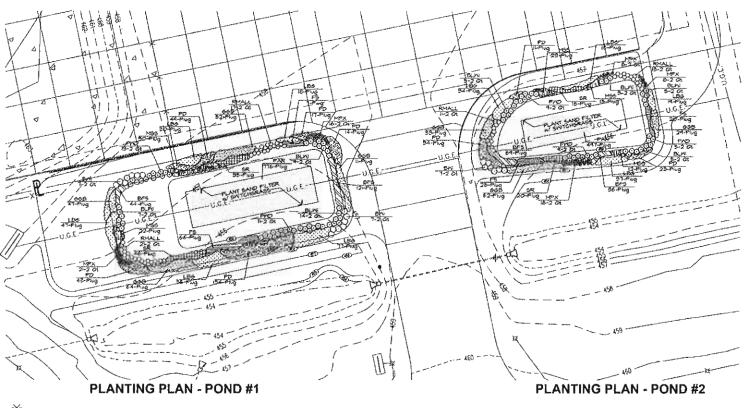




MISSOURI PLANTING PLAN FOR THE PROPOSED ADDITION TO CHESTERFIELD, Aero Charter 503 TURBINE AVENUE

DATE 11/04/10 9CALE 2010-149 SHEET





	PLANT SCH	EDUL	-E	
D	TREES HACK GL	<u>91Y</u> 2 I	BOTANICAL NAME / COMMON NAME Cellile occidentalle / Common Hockborry Tillio cordato 'Greenspire' / Greenspire Littleteat Lindon	91 <u>7E</u> 2.5°Cal 2.5°Cal
	EYERGREEN TREES COS	QTY 4	BOTANICAL NAME / COMMON NAME Picea pungens 'Glovca' / Colorado Blue Spruce	51ZE 6'-7'
	ELONERING TREES RB TCH JTL	9 9 9 3	BOTANICAL NAME / COMMON NAME Cercile conadensis / Redoud Crotaegye crusgdill von, harmis / Thornlass Cockepur Hamthorn Syringa reticulata "Ivory Silk" / Ivory Silk Japanese Tree Lilac	5 <u>1ZE</u> 2°Cal 2° Cal 2°Cal
_	SHRUBS VVB PJ BAY GFS MKL	QTY 10 22 17 10 14	<u>BOTANICAL NAME / COMMON NAME</u> Bunus semper virens 'Verdor Valley' / Vardor Valley Boxnood Juniperus procumbens Nanci / Procumbens Juniper Myrica pensylvancia / Northern Bogberry Spiraae buneldo 'Gold Finare' / Gold Filame Spirea Syringa patula Miss Kim / Miss Kim Lillac	<u>SIZE</u> 5 go: 5 go: 5 go: 5 go: 5 go: 5 go:
E.	EORRS BWI RMALL MPX PMD BLMI	QTY 21 62 71 47 48	ROTANICAL NAME / COMMON NAME Soptisto astrolle / Blue Pillo Indigo Mibisors lestacorpos / Rose Matlan Phlos particulato / Meodon Phlos Portadoria cerdato / Pickarel Neod Thalla dealbate / Blue Nid Indigo	91 <u>75</u> 2 Ot 2 Ot 2 Ot 2 Ot 2 Ot 2 Ot
	GROUND COVERS	RIX	BOTANICAL NAME / COMMON NAME	\$!ZE
		32 <i>0</i>	Sedum spectabile "Dragon's Blood" / Dragon's Blood Sedum	2.25" Pot 6 12" oc
-	NATIVE GRASSES	QIY.	BOTANICAL NAME / COMMON NAME	SIZE
		121	Carex critila / Fraged Sedge	Plug & 18" oc
F		122	Carex gray! / Morning Star Sedge	Plug # 18° ac
		270	Corex vulpiroldua / Brown Fox Sodge	Flug & 12" 00
		μq	Lincus effusus / Soft Rush	Plug & 18° 00
-		1,279	Panicum virgatum / Switch Grass	Plug & lō' oc
		335	Schlaschyrlum scoperium / Little Bluestern Gross	Plug s 18° ac
G		298	Scirpus atrovirens / Great Green Bulrush	Plug 8 18" oc
-		325	Sporobolus keterolopis / Prakte Dropseed	Plug e 18° ac

LANDSCAPE GUIDELINE SPECS:

GENERAL:

- 1) All natural vegetation shall be maintained where it does not interfere with construction or the permanent plan of operation. Every effort possible shall be made to protect existing structures or vegetation from damage due to equipment usage Contractor shall at oil times protect all materials and mark against injury to public 2.) The landscape contractor shall be responsible for any coordination with other site related work being parterimed by other contractors. Refer to architectural drawlings for further coordination of work to be done.

- Refer to architectural drawings for turner coordination or your to be done. Incorpround facilities, structures and utilities must be considered approximate only. There may be others not presently known or shown, it shall be tha landscape contractor's responsibility to determine or verify the existence of and exact location of the above (Cail I-600-DIG-RITE).

 Plant material are to be planted in the same relationship to grade as mas grown in nursery conditions. All planting beds shall be cultivated to 6" depth minimum and graded smooth immediately before planting of plants, Flant groundcover to within 12" of trunk of trees or shrives planted within the area.

- shrubs planfed within the area.

 3) It shall be the landscape contractor's responsibility to:
 A) Verify all existing and proposed features shawn on the
 drawings prior to commencement at work.
 B) Report all discrepancies found with regard to existing
 conditions or proposed design to the landscape architect
 immediately for a decision.
 C) Stake the locations of all proposed plant material and
 abtain the approval of the awner's representative or
 landscape architect prior to installation.

 6) Items shawn on this drawing take procedures over the material
 list, it shall be the landscape contractor's responsibility to
 verify all quantities and conditions prior to implementation of
 this plan No sivestitutions of types or size of plant materials will
 be accepted without written approval from the landscape architect.

 7) Provide single-stem traes unless otherwise noted in plant schedule.

 8) All plant material shall comply with the recommendations and requirem
- 2) All plant material shall comply with the recommendations and requirements of ANSI 260.1 "American Standards for Nursery Stock".

 4.) It shall be the contractor's responsibility to provide for inspection of
- the plant material by the Landscope Archibet prior to acceptance Plants not conforming exactly to the plant list will not be accepted and shall be replaced at the landscope contractor's expense.

 10.) All bids are to have unit prices listed. The Orner has the option to delete
- ony portion of the contract prior to signing the contract or beginning mark. This will be a unit price contract.

 II.) All plant material to be transplanted shall be transplanted according to
- guidelines sat by AAN standards. Transplanted material will not be guaranteed by the landscape contractor.

INSURANCE:

The landscape contractor shall swamt certificates of insurance for norkmon's compensation and general liability.

MULCH:

- All mulch to be shredded ook bork mulch at 3° depth (after compaction) valese otherwise noted. Mulch shall be clean and free of all ferreign materials, including veeds, mold, deleterious materials, etc.
 No plastic sheeting or filter fabric shall be placed beneath shredded bark mulch beds. Myrofil fabric shall be used beneath all gravel mulch beds.
 Edge all beds with spade-cut adge unless otherwise noted.

MAINTENANCE:

- 13 Landscape Contractor shall provide a separate proposal to maintain all plants, shrubs, graundcover, perennials and annuals for a period of 12 months after acceptance
 23 Contractor shall ensure that only competent and trained personnel shall provide such services and that such services be provided in a timely

TOPSOIL:

- 1) Topsoil mix for all proposed landscape plantings shall be five (5) parts rell-drained screened organic topsoil to one (1) part Canadian sphagrum peat mass as per planting details, Rato-till speal mix to a depth of 6° minimum and grade smooth.
- 2) Provide a soil analysis, as requested, made by an independent soil-testing agency autining the % of organic matter, inorganic matter, deleterious material, pH and mineral content.
- 3) Any foreign topsoli used shall be free of roots, stumps, needs, brush, stones (larger than I"), litter or any other extraneous or toxic material.
- Landscape contractor to apply pre-emergent herbicide to all planting beds upon completion of planting operations and before application of shredded bank muich.

MISC. MATERIAL:

- 1) Provide stakes and deadmen of sound, new hardwood, free of knotholes and defects.
 2) Tree wrop tope shall be 4' minimum, designed to prevent barer damage and winter freezing. Additionally, only 3-ply tying material shall be used.

- All disturbed lawn areas to be seeded with a mixture of Turf-Type Fescue (300# per acre) and bluegross (10# per acre). Lawn areas shall be unconditionally warranted for a period of 90 days from date of final acceptance. Bare areas more than one square foot per any 50 square feet shall be replaced.
- be replaced.

 Landscape contractor shall offer an alternate price for sad in lieu of seed. Sad shall be cut at a uniform thickness of 3/4". No broken pleces in tegylar pleces or tom places will be accepted. Any points corrying concentrated nater loads and all slapes of 15% or greater shall be sadded.

 All sed shall be placed a maximum of 24 hours after harvesting.
- Recondition existing laws areas damaged by Contractor's operations including equipment/material storage and movement of vehicles.

WARRANTY.

- All plant material (excluding ground cover, perentials and arruals) are to be warranted for a period of 12 months after installation at 100% of the installed price.
- 1000s of the installed price. Any plant material found to be defective shall be removed and replaced within 30 days of natification or in grewth season determined to be best for that plant.
- 3.) Only one replacement per tree or shrub shall be required at the end of the womanty period, unless loss is due to failure to comply with morranty.
- 4.) Law establishment period will be in effect once the law has been moned three times. Plant establishment period shall commence on the date of acceptance and 100% completion.

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63005 MISSOURI CHESTERFIELD,

ADDITION

PROPOSED Charter BINE AVENUE FOR PLANTING PLAN ero 3 TURE **Ae**

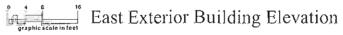
[AW-01]	2 1/4" X 2 1/3" clear anodized aluminum commercial windows with 1" insulated glazing finted solarbronze.	[DR-02]	Overhead insulated sectional metal door. Paint white to match exterior metal building panel color.	[LD-01]	Prefabricated metal ladder. Paint white to match exterior metal building panel color.	[RP-01]	Galvalume finished exterior standing seam metal roof panel by pre-engineered metal building manufacturer.
[CA-01]	Prefabricated bonze enamel finish aluminum metal canopy with 8" exposed fascia.	[DR-03]	Mechanically operated 27'-0" tall (northern style) prefabricated (8) leaf aircraft hangar door system, with white [WP-01] wall panels, exterior by pre-engineered	[LT-01]	Exterior wall mounted light fixtureSee applicable drawings and electrical documentation.	[SF-01]	2" X 4 1/2" Dark bronze anodized storefront framing and/or entry system with 1" insulated glazing tinted solarbronze.
[CA-02]	Prefabricated bonze enamel finish aluminum metal canopy with 12" exposed fascia. Exposed concrete ramp, stair an/or foundation wall.	[DS-01]	metal building manufacturer. Pre-finished/prefabricated (white) metal downspout.	[ME-01]	Mechanical Exhaust fan with operable louvers. Paint white to match exterior metal building panel color. Size and location to be determined.	[SG-01]	Proposed building signage. Note: building signage to be addressed under separate approval process and is not part of ARB process.
[DR-01]	Insulated hollow metal door. Paint white to match exterior metal building panel color.	[GU-01] [HR-01]	Pre-finished/prefabricated (white) metal gutter. Prefabricated metal guardrail/handrail with 2"x 2" wire mesh panels. Paint white to match exterior metal building panel color.	[MS-01]	Mechanical screen by pre-engineered metal building manufacturer. Provide white [WP-01] for exterior exposed finish material.	[TR-01]	Pre-finished (white) fascia and/or gable trim by pre- engineered metal building manufacturer. Pre-finished (white) exterior metal building wall panel











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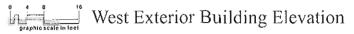


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			building panel color.			[WP-01]	Pre-finished (white) exterior metal building wall panel

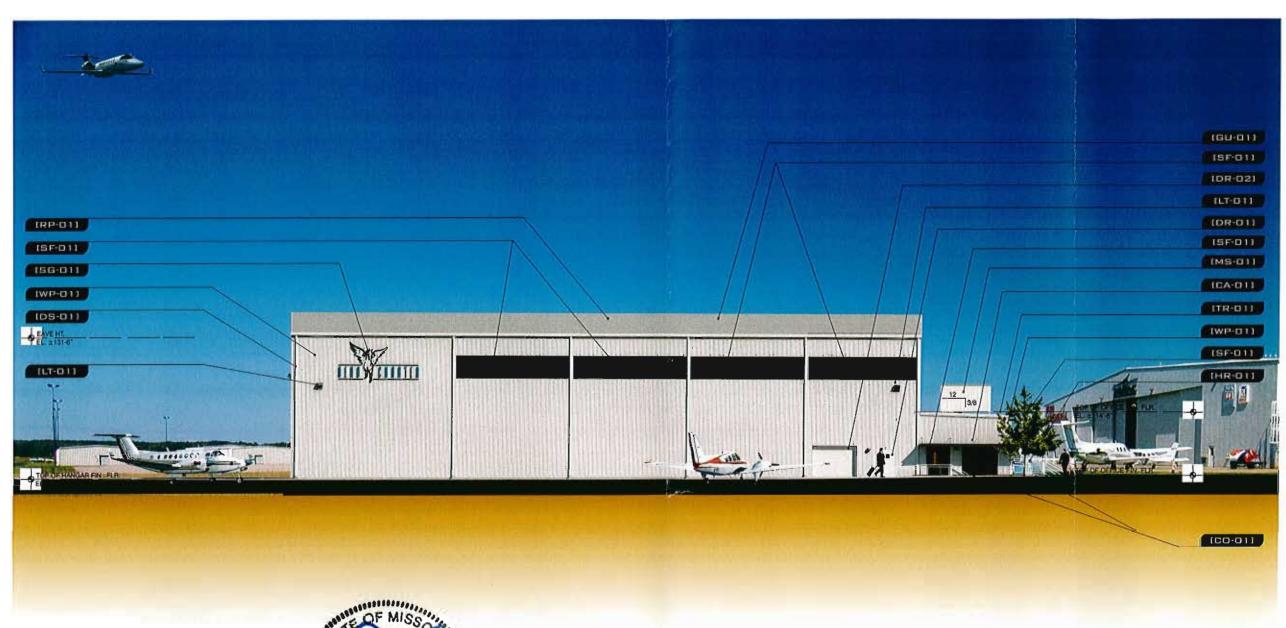








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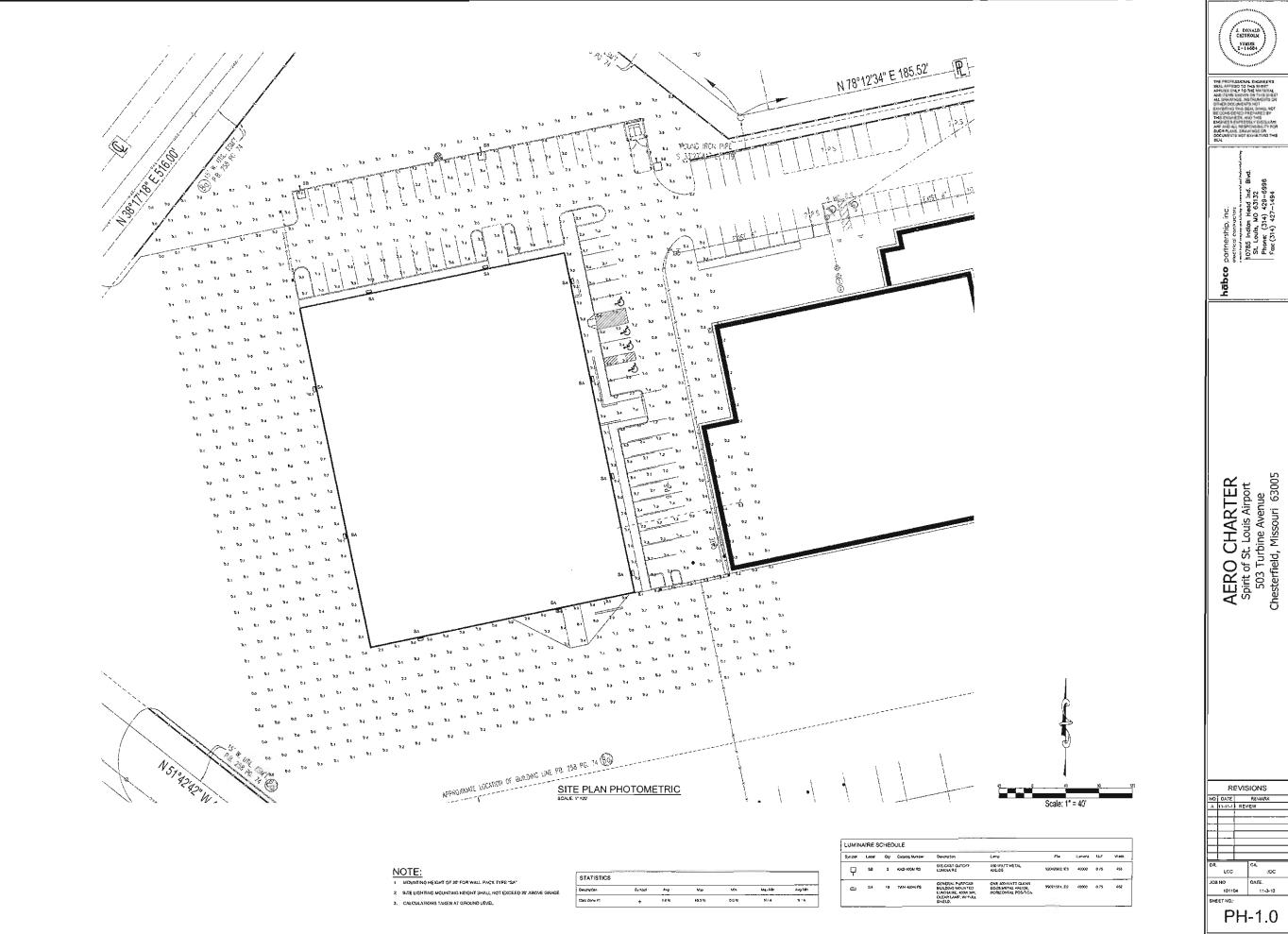


South Exterior Building Elevation





nesterfield under separate proceedings.





REVISIONS
NO OATE REMARK
A INITIAL REMEW DR. CK. JDC

JOB NO DATE. 1113-10

PH-1.0

A LITHONIA LIGHTING*

FEATURES & SPECIFICATIONS

INTENDED USE — Outdoor storage areas, warehouse and factory perimeters and loading docks.

CONSTRUCTION --- Rugged, corrosion-resistant, die-cast aluminum. Corrosion-resistant external hardware includes slotted hex-head fasteners.

FINISH — Standard finish is electrostatically-applied, oven-cured, dark bronze (DDB) corrosion-resistant polyester powder paint.

OPTICAL SYSTEM --- Reflector is specular anodized aluminum. Refractor is prismatic borosilicate glass which is sealed and gasketed to inhibit the entrance of outside contaminants.

ELECTRICAL SYSTEM — Electrical components are mounted in hinged front cover that includes primary and secondary electrical disconnect.

Ballast: High pressure sodium: 70-150W is high reactance, high power factor. Constant wattage autotransformer for 200-400W. Metal halide: 70-150W is high reactance, high power factor and is standard with pulse-start ignitor technology. "SCWA" not required. Constant wattage autotransformer for 175-400W. Super CWA (pulse start ballast), 88% efficient and EISA legislation compliant, is required for metal halide 151-400W (SCWA option) for US shipments only. CSA, NOM or INTL required for probe start shipments outside of the US. Pulse-start ballast (SCWA) required for 200W, 320W, or 350W. Ballast is 100% factory-tested.

Socket: Porcelain, horizontally oriented, single-ended bayonet base socket for 35W low pressure sodium; medium base socket for 70-150W; and mogul base socket for 175W and above, with copperalloy, nickel-plated screw shell and center contact. UL listed 1500W, 600V.

INSTALLATION — Back housing is separated from front housing, eliminating ballast weight and promoting easy handling. Top 3/4" threaded wiring access. Back access through removable 3/4" knockout. Feed-thru wiring can be achieved by using a condulet tee. Mount on any vertical surface. Not recommended in applications where a sprayed stream of water can come in direct contact with glass lens.

LISTING - UL Listed (standard). CSA or NOM Certified (see Options). UL listed for 25°C ambient and suitable for wet locations. IP65 rated (250 watt and below) or IP54 rated (400 watt) in accordance with IEC Standard 529.

Specifications subject to change without notice.

Catalog Number TWH 400M TB SCWA LPI + Notes Туре



Wall-Packs

METAL HALIDE 70W -- 400W HIGH PRESSURE SODIUM 70W -- 400W LOW PRESSURE SODIUM 8' to 25' Mounting

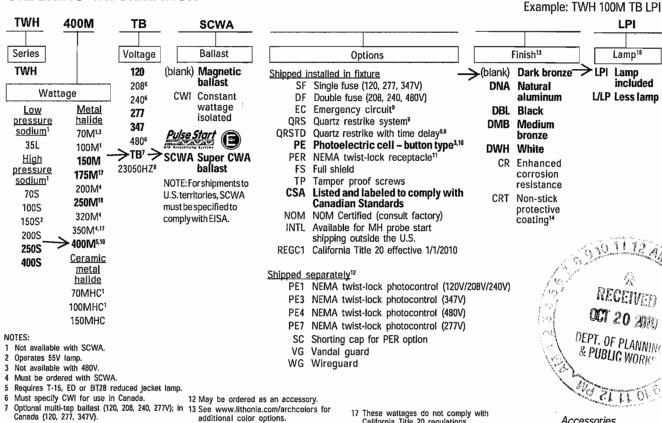
Specifications

Height: 15-3/4" (40cm) Width: 16-1/4" (42.6cm) Depth: 8" (20.3cm) *Weight: 29.95 (13.59kg)

*Weight as configured in example below.

ORDERING INFORMATION

For shortest lead times, configure product using standard options (shown in bold).



14 Black finish only.

15 Must be specified.

as an accessory

16 Requires field modification when ordered

17 These wattages do not comply with California Title 20 regulations.

18 These wattages require the REGC1 option to be chosen for shipments into California for Title 20 compliance. 250M REGC1 in not available in 347 or 480V.

DEPT. OF PLANNING & PUBLIC WORK

LPI

Lamp15

Lamp

L/LP Less lamp

included

Accessories

Order as separate catalog number. **TWHVG** Vandal guard¹⁶ **TWHWG** Wire guard16

Consult factory for available wattages.

9 Max allowable wattage lamp included .

10 Not available with 347V.

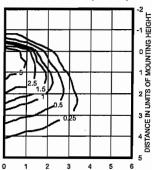
11 Photocell not included.

TWH Metal Halide Wall-Packs

Coefficient of Utilization Initial Footcandles

TWH 175M Test report no. 94121101P

ISOILLUMINANCE PLOT (Footcandle)

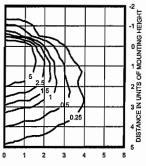


175W pulse start metal halide lamp, horizontal lamp orientation Footcandle values based on 12'

mounting height, 12800 rated lumens. Luminaire Efficiency: 61%

TWH 250M Test report no. 95011902P

ISOILLUMINANCE PLOT (Foolcandle)

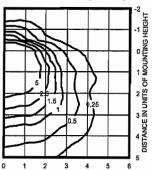


250W pulse start metal halide lamp, horizontal lamp orientation Footcandle values based on 12'

mounting height, 25000 rated lumens. Luminaire Efficiency: 77%

TWH 400M Test report no. 94112102P

ISOILLUMINANCE PLOT (Footcandle)

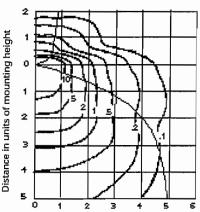


400W pulse start metal halide lamp, horizontal lamp orientation Footcandle values based on 12'

mounting height, 38000 rated lumens. Luminaire Efficiency: 70%

TWH 250S Test report no. 94121002

Coefficients of utilization

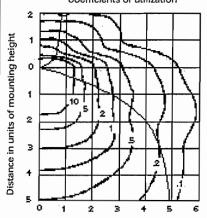


Distance in units of mounting height

250W, high pressure sodium lamp, horizontal lamp orientation, 12' mounting height, 27,500 rated lumens. Total fixture efficiency: 70.9%

TWH 400S Test report no. 94121001

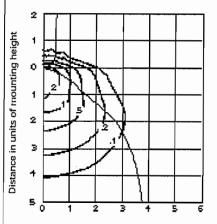
Coefficients of utilization



Distance in units of mounting height

400W, high pressure sodium lamp, horizontal lamp orientation, 12' mounting height, 50,000 rated lumens. Total fixture efficiency: 70.9%

TWH 35L Test report no. 94121902



Distance in units of mounting height

35W, low pressure sodium lamp, horizontal lamp orientation, 12' mounting height, 4,800 rated lumens. Total fixture efficiency: 54.6%

Mounting Height Correction Factor

(Multiply the fc level by the correction factor)

15 ft. = .64

20 ft. = .30 25 ft. = .23

(Existing Mounting Height) = Correction Factor
New Mounting Height

NOTES:

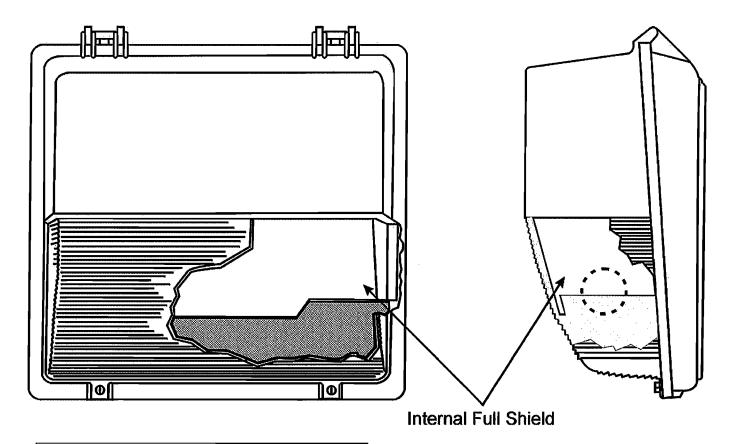
1 Photometric data for other distributions can be accessed from the Lithonia Lighting Web site. (www.lithonia.com)



An **SAcuity**Brands Company

Lithonia Lighting
Outdoor Lighting
One Lithonia Way, Conyers, GA 30012
Phone: 770-922-9000 Fax: 770-918-1209
www.lithonia.com

TWH/TWP FS



Full shield can be ordered as FS option on fixture catalog number, or ordered as a repair kit.

For use with:

TWH TWP

Dimensions and specifications on this page are based on the most current available data and are subject to change without notice.

LITHONIA LIGHTING				
Date:	11/30/09			
Author:	PJE			
File:	TWH-TWP FS DETAIL			



FEATURES & SPECIFICATIONS

INTENDED USE

Ideal for parking areas, street lighting, walkways and car lots.

CONSTRUCTION

Rugged, die-cast, soft corner aluminum housing with 0.12" nominal wall thickness. Die-cast door frame has impact-resistant, tempered, flat glass lens that is fully gasketed with one-piece tubular silicone.

FINISE

Finish is dark bronze (DDB) polyester powder.

OPTICAL SYSTEM

Anodized, aluminum hydroformed reflectors: IES full cutoff distributions: R3 (asymmetric) or R4 (forward throw). Optional houseside shield (HS) available.

ELECTRICAL SYSTEM

Ballast: Super CWA pulse start ballasts, 88% efficient and EISA legislation compliant, are required for 250-400W (must order SCWA option) for shipments in the U.S.

Socket: Porcelain, horizontally oriented mogul base socket with copper alloy, nickel-plated screw shell and center contact. UL listed 1500W, 600V. Lamp included.

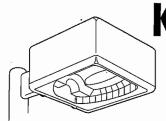
LISTING

UL Listed (standard). UL listed for 25°C ambient and wet locations. IP65 rated. NOTE: Specifications subject to change without notice.

KC1 400M 25C R3 4C SCWA Notes Type

CONTOUR

Night-time Friendly / Full Cutoff Lighting



KAD/POLE COMBO

METAL HALIDE

250W, 400W

EPA: 1.2 ft.²

Weight: 41 lbs (18.6 kg)

Standard Dimensions

Length: 17-1/2 (44.5) Width: 17-1/2 (44.5)

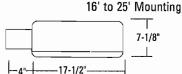
Depth: 7-1/8 (18.1)

Pole

SSS 16 4C

SSS 20 4C

SSS 25 4C



All dimensions are inches (centimeters) unless otherwise specified.

FEATURES & SPECIFICATIONS

CONSTRUCTION

Weldable-grade, hot-rolled, commercial-quality carbon steel tubing with a minimum yield of 55,000 psi (11-gauge). Uniform wall thickness of .125". Shafts are one-piece with a longitudinal electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsion. Available shaft width is 4".

Anchor base is fabricated from hot-rolled carbon steel plate that meets or exceeds a minimum yield strength of 36,000 psi. The anchor base is provided with slotted holes.

A handhole having nominal dimensions of 3" x 5" for all shafts. Included is a cover with attachment screw.

Weatherproof, high-strength plastic top cap provided.

Automotive-grade ABS plastic full base cover is finished to match pole.

FINISH

Dark bronze (DDB) polyester powder.

GROUNDING

A nut holder located immediately inside the handhole rim is provided (ground bolt and nut by others).

ANCHOR BOLTS

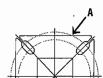
Top portion of anchor bolt is galvanized per ASTM A-153. Made of steel rod $(3/4" \times 18" \times 3")$ having a minimum yield strength of 55,000 psi. Includes 4 anchor bolts, 8 hex nuts with washers, and template.

NOTE: Specifications subject to change without notice.

IMPORTANT:

These specifications are intended for general purposes only. Lithonia reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.

Installation requires grout to be packed under base to ensure full contact with foundation.



Standard Dimensions

Weight

115 lbs (51.8 kg)

140 lbs (63 kg)

170 lbs (76.5 kg)

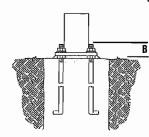


SSS

Anchor Base Poles

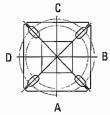
SQUARE STRAIGHT STEEL

16' to 25' Mounting

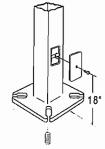


Shaft	Bolt	Bolt	Base	Anchor Bolts	
Rasa	Circle	Projection	Square	(w/ template	Template
l .	_	n	• -		•
Size	A	в	<u>_</u>	in carton)	Number
4"C	8-1/2"	2-3/4" - 4"	8"	ABSSS-4C	PJ50004

HANDHOLE ORIENTATION



BASE DETAIL



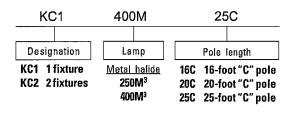


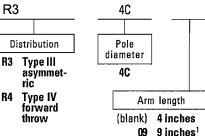
OCT 20 2010

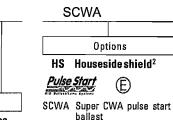
Handhole

KAD Pole Combo

ORDERING INFORMATION All configurations of this product are considered "standard" and have short lead times. Example: KC2400M25C R3 4C SCWA







	KC2400M25C R3 4C SCWA
	Consists of:
<u>Oty</u>	Cicode Description
1	SSS 25 4C DM28 PL DDB SHAFT
2	KAD 400M R3 TB SCWA SPD04 LPI
1	SBC4 DDB U
1	ABSSS-4C
1	STC-4 U

Maximum m.p.h. Wind Load with 1.3 Gusts		
Pole	KC1 Single	KC2 Double
16' 4C 4" or 9" arm	100	100
20' 4C 4" or 9" arm	100	100
25' 4C 4" arm	90	90
25' 5C 9" arm	90	80

NOTES:

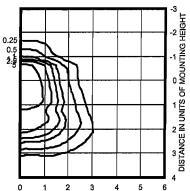
- 1 9" arm only available with 400M.
- Ships separately.
- 3 These wattages do not comply with California Title 20 regulations.

NOTE: For shipments to U.S.

territories, SCWA must be specified to comply with EISA.

PHOTOMETRICS

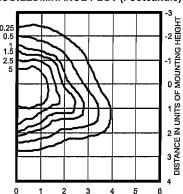
KC 400M R4 TEST NO: 1191110101P ISOILLUMINANCE PLOT (Footcandle)



400W pulse start metal halide lamp, rated 38000 lumens. Footcandle values based on 20' mounting helght.

Classification: Unclassified (Type III, Very Short), Full Cutoff

KC 400M R3 TEST NO: 1192040902P ISOILLUMINANCE PLOT (Footcandle)



400W pulse start metal halide lamp, rated 42000 lumens. Footcandle values based on 20'

mounting height.

Classification: Unclassified (Type I, Very Short), Full Cutoff

Mounting Height Correction Factor (Multiply the fc level by the correction factor) 16ft. = 3.5 25ft. = 1.44

 $\left(\frac{\text{Existing Mounting Height}}{\text{New Mounting Height}}\right)^2$ = Correction Factor





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