



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

Architectural Review Board Staff Report

Project Type: Amended Architectural Elevations

Meeting Date: November 8, 2018

From: Cassie Harashe, Planner 

Location: South side of Chesterfield Airport Rd., west of Chesterfield Commons Dr.

Description: **Chesterfield Commons, Outlot 5 (Lion's Choice) Amended Architectural Elevations:** Amended Architectural Elevations for a 1.0 acre tract of land zoned "C-8" Planned Commercial District located on the south side of Chesterfield Airport Rd., east of Chesterfield Commons Crossing. (17U340090)

PROPOSAL SUMMARY

Answers, Inc., on behalf of Lion's Choice, has submitted a request to modify the existing elevations on Outlot 5 of the Chesterfield Commons. As part of a rebranding effort, the applicant is remodeling the existing store by painting the doorframes and changing the color of fabric awning covers and metal trellis. The existing exterior building materials include brick, metal roof system and glass.



Figure 1: Aerial of Subject Site

HISTORY OF SUBJECT SITE

On November 17, 1997 the City of Chesterfield approved Ordinance 1344, which permitted the development of Chesterfield Commons. On January 4, 1999 the City approved the Concept Plan for the portion of the development located on the south side of Chesterfield Airport Road. The approved plan included both the strip retail center and 15 outlots. The Site Development Section Plan for the strip retail development was approved at the same time as the Site Development Concept Plan. In February 2002, the Site Development Section Plan for Outlot 5 was approved. The subject site has remained Lion's Choice since its construction.

The original governing ordinance for The Commons was amended by Ordinances 1600 and 1627. In 2004, the City of Chesterfield approved Ordinance 2081, which repealed 1600 and 1627 and consolidated the governing conditions for The Commons into one ordinance.



Figure 2: Existing Conditions of Northwest Corner

STAFF ANALYSIS

The subject site is located between Chesterfield Airport Rd. and THF Blvd., east of Chesterfield Commons Crossing. No changes to the site's circulation system, scale, or landscaping are proposed. However, on a site visit Staff did notice deficiencies in the approved landscape plan. Staff is working with the applicant to address this issue. Changes to the elevations will not change the primary orientation of the building (i.e. entrances facing Chesterfield Airport Rd. and the east side of the building).

The primary design includes existing elements of the building that are common within the Chesterfield Commons development. Most notably, the existing brick utilized throughout the development will remain on the building. The proposed color palette for the building includes utilizing the existing tan brick, repainting the existing metal trellis/canopy element red, the metal doors will be repainted to have red trim, and the yellow fabric canopies will be replaced with a

red fabric canopy. The applicant is also proposing to update the light fixtures to more energy efficient fixtures. Two fixture cutsheets have been provided for your review; both proposed fixtures are flat lensed and fully shielded. The fixture above the awnings will be pointed down and towards the building.

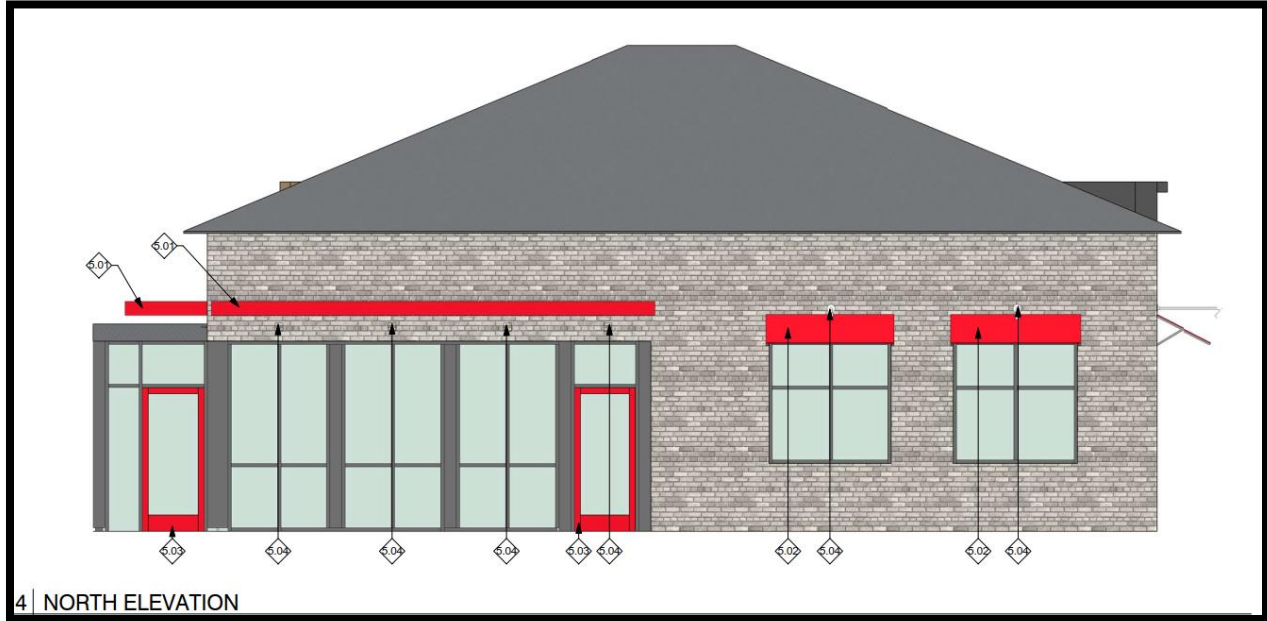


Figure 3: Proposed Color North Elevation

DEPARTMENTAL INPUT

Staff has reviewed the Amended Architectural Elevations and requests review and recommendation on the Amended Architectural Elevations for Chesterfield Commons, Outlot 5 (Lion's Choice).

MOTION

The following options are provided to the Architectural Review Board for consideration relative to this application:

- 1) "I move to forward the Amended Architectural Elevations for Chesterfield Commons, Outlot 5 (Lion's Choice) as presented, with a recommendation for approval (or denial) to Staff."
- 2) "I move to forward the Amended Architectural Elevations for Chesterfield Commons, Outlot 5 (Lion's Choice) to Staff with a recommendation for approval with the following conditions..."

Attachments

1. Architectural Review Packet Submittal

RECEIVED
City of Chesterfield
Oct 25 2018
Department of Public Services

Project Team:
DESIGN CONSULTANT:
ANSWERS INC.
ARCHITECT:
THOMAS A. TYLER
C/O ANSWERS INC.
450 WEDMAN ROAD
ST. LOUIS, MISSOURI 63011
636.986.7507 FAX
ANSWERS



Project Title:
**LION'S CHOICE - CHESTERFIELD
17294 CHESTERFIELD AIRPORT RD
CHESTERFIELD, MO 63005**



No.	Description	Date

ARCHITECTURAL
SITE PLAN - NO
WORK
Project Number: 18000
Sheet Number: 1 of 1
Drawn By: DET
Issue Date: 09.18.18
A-0.1

THF CHESTERFIELD DEVELOPMENT, L.L.C.
In connection with a change of zoning for the following described property from "C-8" to Amended "C-8".
563
LEGAL DESCRIPTION
A tract of land being part of Lot 2 of "Chesterfield Commons", a Subdivision according to the Plat thereof recorded in Plat Book 348, Pages 554 through 564 of the St. Louis County Records, situated in U.S. Survey 2031, Township 45 North, Range 4 East, in the City of Chesterfield, St. Louis County, Missouri, being more particularly described as follows:
Beginning at the Northwestern corner of said Lot 2, being a point on the Southern Right Of Way Line of Chesterfield Airport Road, variable width; thence Southeasterly, along the Southern Right Of Way Line thereof, North 89 degrees 35 minutes 06 seconds East 26.53 feet to a point; thence North 00 degrees 24 minutes 54 seconds West 8.00 feet to a point; thence North 89 degrees 35 minutes 06 seconds East 87.46 feet to a point; thence Southeasterly, leaving the Southern Right Of Way Line thereof, South 00 degrees 24 minutes 54 seconds East 270.50 feet to a point on the Southern Line of said Lot 2; thence Southwesterly, along the Southern Line thereof, South 89 degrees 35 minutes 06 seconds West 149.60 feet to the Southwestern corner of said Lot 2; thence Northwesterly, along the Western Line of said Lot 2, North 45 degrees 23 minutes 22 seconds West 50.73 feet to a point; thence North 00 degrees 24 minutes 54 seconds West 155.20 feet to a point; thence North 44 degrees 36 minutes 38 seconds East 101.03 feet to a point on the Southern Right Of Way Line of Chesterfield Airport Road and the point of beginning of the tract of land herein described, containing 1.06 acres, more or less (46,188 square feet).

This is to Certify that this plat represents all existing and proposed land divisions.
The Clayton Engineering Company, Inc.
James D. Boles
Mo. L.S. 2127
THF Chesterfield Development, L.L.C.
by Michael H. Stenberg, Manager

THF Chesterfield Development, L.L.C., 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 1003.145, "C-8" Planned Commercial District of City of Chesterfield Ordinance #624, 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 ordinance of the City of Chesterfield Council.

"Owner, its successors and assigns agrees to indemnify and hold harmless the County, its agents, officers and employees from any and all claims, lawsuits and expenses, including attorneys fees and court costs made, brought or incurred for injuries to persons or property caused by drainage from St. Louis County roadway, Chesterfield Airport Road".

STATE OF MISSOURI)
COUNTY OF ST. LOUIS)

On this 28 day of August, A.D., 2018, before me personally appeared Michael H. Stenberg to me personally known, who being by me duly sworn, did say he is manager of THF Chesterfield Development, L.L.C. and that said instrument was signed and sealed in behalf of said Limited Liability Company, and the said Michael H. Stenberg acknowledged said instrument to be the free act and deed of said Limited Liability Company.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Notarial Seal at my Office in St. Louis, Missouri, the day and year last above written. My term expires 11/26/2023

Notary Public: Kimberly A. Thomas, Notary Public, Missouri, State of Missouri, My Commission Expires 10/26/2023

APPROVED AMENDED SITE DEVELOPMENT SECTION PLAN

The City of Chesterfield Department of Planning does certify that the Amended Site Development Section Plan for Lot 105 of Chesterfield Commons was approved as to form and thereby authorize the recording of this plan with the office of the St. Louis County Recorder of Deeds, per ordinance number 2144.

9-6-02 Date
Teresa J. Price Director of Planning

Zoning: C-8
Amended: *reduction of cross access easement from 20' to 19.75'*
addition of transformer pad
relocation of fire hydrant
revise enclosure redesign
parking spaces adjusted to allow for add'l handicap parking

9-6-02 Date
Marty DeMay City Clerk
City of Chesterfield

STATE OF MISSOURI)
County of St. Louis)
I, the undersigned Recorder of Deeds for said County and State, do hereby certify that the foregoing and attested instrument of writing was filed for record in my office on the 17th day of September, A.D. 2018 at 10:01 o'clock P.M. and is truly recorded in Plat Book 360 Page 563
Witness my hand and official seal on the day and year aforesaid.
James M. Hammond
Recorder of Deeds
Marty DeMay
City Clerk

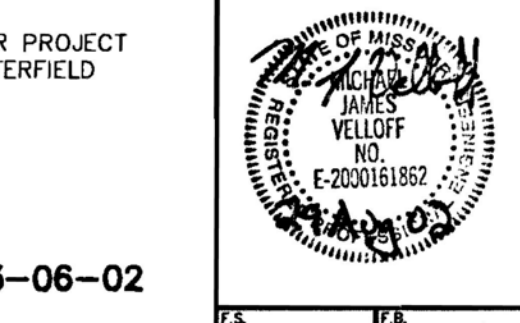
SITE AREA: 1.06± AC. (46,188 SQ. FT.)
LANDSCAPE AREA=0.28± AC. (12,294 SQ. FT.)
SITE ADDRESS: 17294 CHESTERFIELD AIRPORT ROAD
CURRENT ZONING: "C-8" PLANNED COMMERCIAL DIST.
LOCATOR NUMBER: 170340045
PROPOSED USE: RESTAURANT WITH DRIVE THROUGH FACILITIES.
FEMA MAP NUMBER 29189C0140 (EFFECTIVE DATE AUG. 2, 1995)

PARKING CALCULATIONS:
(1 SPA/2 SEATS + 2 SPA/3 EMPLOYEES MAX. SHIF)
91 SEATS/2 = 46 SPACES REQUIRED
9 EMPLOYEES/2 SPA/ 3 EMPLOY = 6 SPACES REQUIRED
TOTAL REQUIRED SPACES = 52
NO LOADING SPACES REQUIRED
TOTAL SPACES PROVIDED = 59 SPACES
(INCLUDING 3 HANDICAP SPACES)

NOTE: HAUL ROUTE FOR FILL MATERIAL FOR PROJECT SITE SHALL BE APPROVED BY CHESTERFIELD PUBLIC WORKS DEPARTMENT.

MSD P#
MSD BASE MAP 17U
ST. LOUIS CO. PAC. # 103-06-02

the clayton engineering company, inc.
ENGINEERS • SURVEYORS • PLANNERS
11920 WESTLINE INDUSTRIAL DRIVE
ST. LOUIS, MISSOURI 63146
(314) 892-8888 FAX: (314) 892-8688
clayton-engineering.com

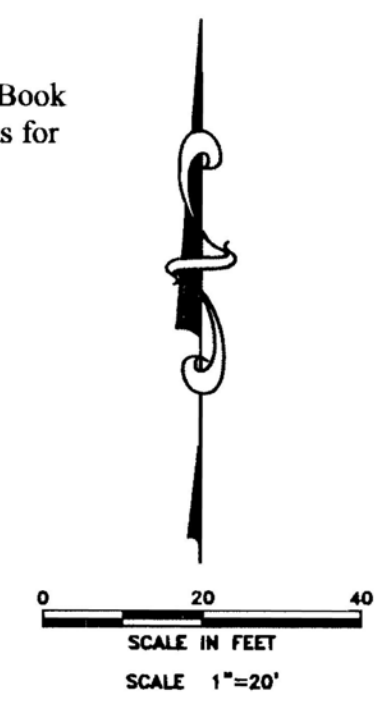


REVISIONS

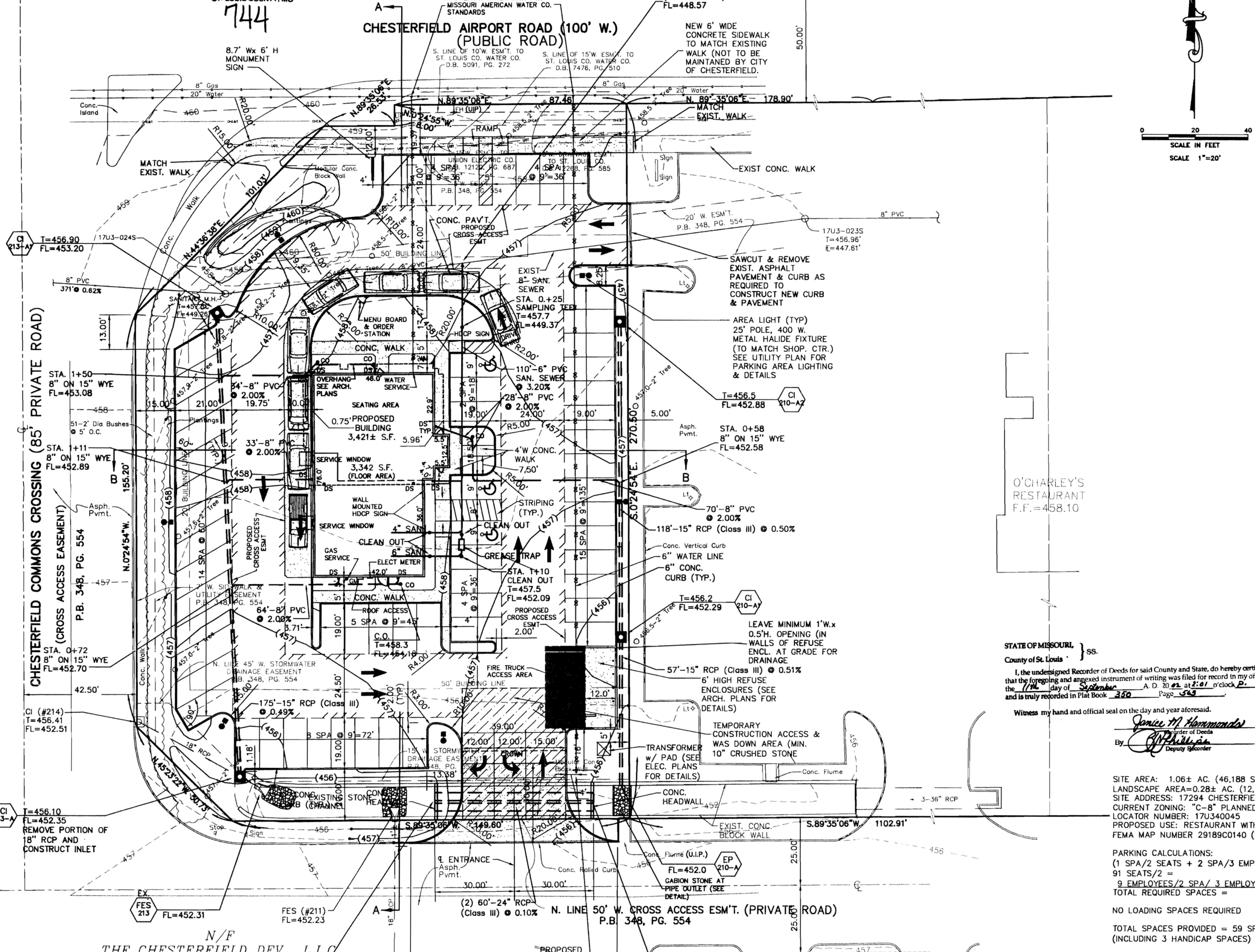
AMENDED SITE DEVELOPMENT SECTION PLAN
LION'S CHOICE
17294 Chesterfield Airport Rd. Chesterfield, MO 63005
Prepared for:
MIDWEST BEEF L.L.C.
1208 Kurt Ave.
St. Louis, MO 63117
(314) 725-1601

Designed: HRL
Drawn: DJB
Checked: DJB
Date: 8/28/02
Project Number: 01164
Sheet Number: 1 of 1

Note: The subject property is also known as Lot 105 of the "Resubdivision of Lots 1,2,3,4,5, & 7 of Chesterfield Commons" recorded as Daily No. 349 on December 3, 2001 and filed in Plat Book 349, Pages 710 through 712 in the Office of the Recorder of Deeds for St. Louis County, Missouri.



Underground facilities, structures & utilities have been plotted from available surveys, records & information, and therefore, do not necessarily reflect the actual existence, nonexistence, size, type, number, or location of these facilities, structures, & utilities.
BOOK 350 PAGE 563
FILED FOR RECORD
SEP 11 2002
ATL LUDON P. M.
RECORDER OF DEEDS
ST. LOUIS COUNTY, MO
744



THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND FACILITIES, STRUCTURES, & UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS. THE UNDERGROUND FACILITIES, STRUCTURES, & UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION OR CONSTRUCTION OF IMPROVEMENTS. THESE PROVISIONS SHALL IN NO WAY ABSOLVE ANY PARTY FROM COMPLYING WITH THE UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT, CHAPTER 319, RSMO.
Call Before you DIG
TOLL FREE
1-800-344-7483
MISSOURI ONE-CALL SYSTEM INC.

Project Benchmark: MSD Benchmark 12-171, "Standard Aluminum Disk" stamped SL-38, 1990; located at the Northwest corner of Chesterfield Airport Road and Coprice Drive. Elevation = 460.06'.
Site Benchmark: Top of found rebar with brass cap on the Southern Right-Of-Way Line of Chesterfield Airport Road; located approximately 64' South of the Centerline of Chesterfield Airport Road and 147' East of the Centerline of Chesterfield Commons Crossing. Elevation = 459.36'.

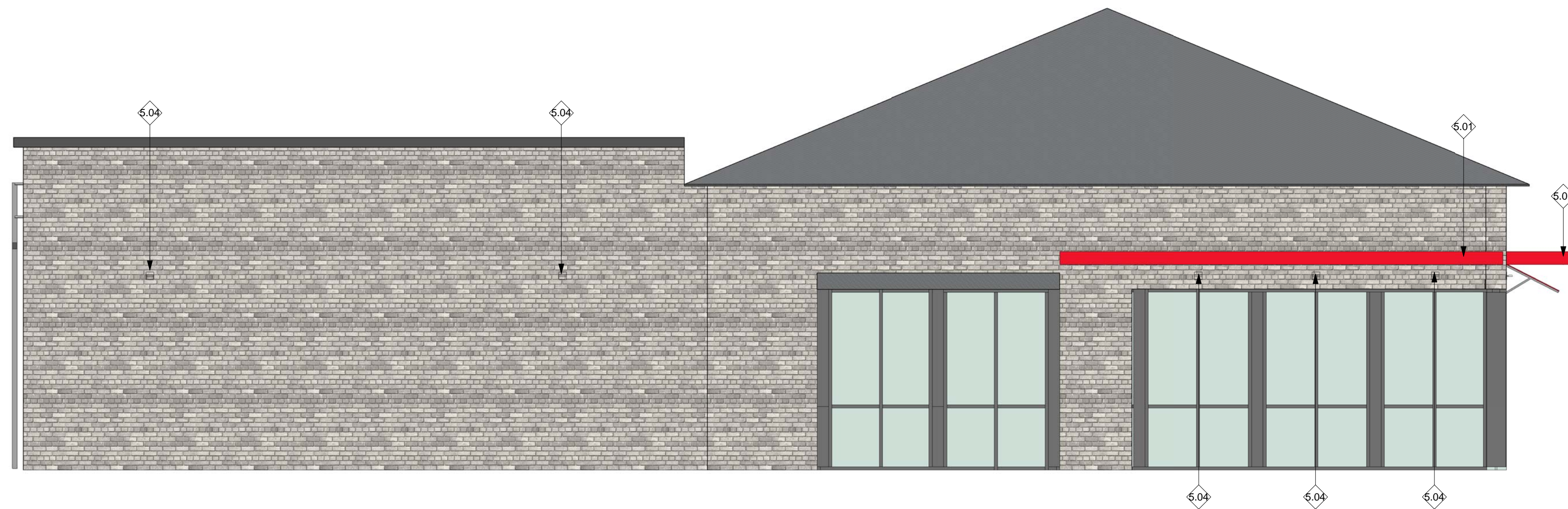
09/25/2018 2:55:01 PM
09/20/18

10/25/2018 8:59:37 AM

PR 2/15/18



1 WEST ELEVATION
1/4" = 1'-0"



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



4 NORTH ELEVATION
1/4" = 1'-0"



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

KEYED NOTES

- 5.01 PAINT EXISTING METAL CANOPY PT-7 (RED-DURANAR XL UC133633XL).
- 5.02 RESKIN EXISTING AWNINGS WITH RED FABRIC PROVIDED AND INSTALL BY LAWRENCE FABRIC.
- 5.03 PAINT EXISTING STOREFRONT ENTRY DOORS PT-7 (RED-DURANAR XL UC133633XL).
- 5.04 INSTALL NEW EXTERIOR LIGHT FIXTURE IN SAME LOCATION AS ONE REMOVED.



Project Team:
 DESIGN CONSULTANT:
 ANSWERS INC
 ARCHITECT
 THOMAS S TYLER
 C/O ANSWERS INC
 450 WEDMAN ROAD
 ST. LOUIS, MISSOURI 63011
 636.986.7207 FAX
ANSWERS



Project Title:
LION'S CHOICE - CHESTERFIELD
17294 CHESTERFIELD AIRPORT RD
CHESTERFIELD, MO 63005



No.	Description	Date

EXTERIOR ELEVATIONS

Project Number: 18060
 Drawn By: DET
 Issue Date: 09.17.18
 Sheet Number:
A-0.2

RECEIVED
 City of Chesterfield
 Oct 25 2018
 Department of Public Services

Project Team:
 DESIGN CONSULTANT:
 ANSWERS INC
 ARCHITECT
 THOMAS A TYLER
 C/O ANSWERS INC
 450 WEDMAN ROAD
 ST. LOUIS, MISSOURI 63011
 636.986.7207 FAX
ANSWERS



Professional Seal:
 STATE OF MISSOURI
 THOMAS A TYLER
 ARCHITECT
 09.24.18



Project Title:
LION'S CHOICE - CHESTERFIELD
17294 CHESTERFIELD AIRPORT RD
CHESTERFIELD, MO 63005



No.	Description	Date

EXISTING CONDITIONS
 Project Number: 18060 Sheet Number:
 Drawn By: DET
 Issue Date: 09.17.18
A-0.3

9/25/2018 2:55:50 PM

PS 2018.01

DESCRIPTION

Lanterra 1002 Sign is a small 2.5" line voltage sign lighting luminaire that attaches to a wall mounted straight arm and is available in aimable single and dual head configurations along with 90 degree elbow options to meet any desired rotation and vertical adjustment required for a project. Multiple standard stem length arms up to 36" are available. The luminaire also comes with various mounting, field replaceable optics and premium color tuning options. Various lenses, louvers and color or dichroic filters which can combine up to two at once to create multiple lighting effects. The fixture may be used indoors or outdoors and carries IP66 rating.

SPECIFICATION FEATURES

Material

Housing, hood and mounting stem are precision-machined from corrosion resistant billet stock 6061-T6 aluminum, C360 brass, C932 bronze*, C110 copper or 303/304 stainless steel.

Finish

Fixtures constructed from 6061-T6 aluminum are double protected by an ROHS* compliant chemical film undercoating and polyester powder coat paint finish, surpassing the rigorous demands of the outdoor environment. A variety of standard colors are available.

Natural Metals

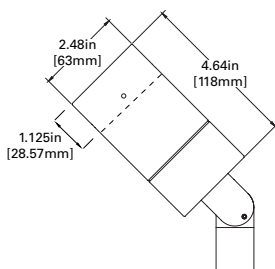
Fixtures constructed from brass, bronze, copper or stainless steel are left unpainted to reveal the natural beauty of the material. Brass, bronze* and copper will patina naturally over time.

Hood

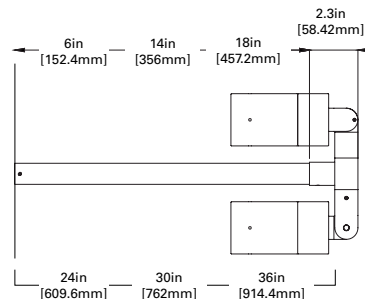
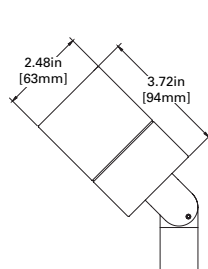
Hood is removable and accepts up to two internal accessories at once (lenses, louvers and filters) to achieve multiple lighting effects. Weep holes prevents water and mineral stains from collecting on the lens, even in

DIMENSIONS

RW HOOD



FL HOOD

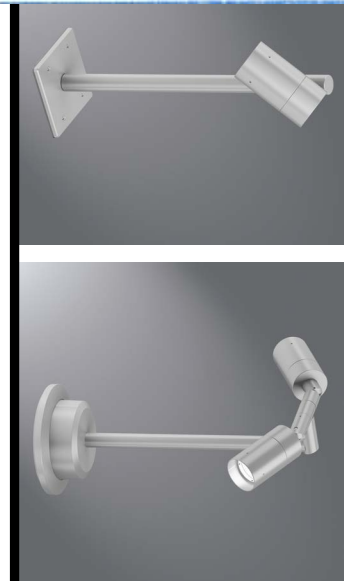


ORDERING INFORMATION

SERIES	NUMBER OF HEADS	KNUCKLE STYLE	HOOD	LED CCT & CRI	FIELD REPLACEABLE OPTIC	FINISH	STEM LENGTH	LIGHT LEVEL	VOLTAGE	MOUNTING	OPTIONS
1002	S1 1 Head S2 ⁸ 2 Head SU1 1 Head 90 Elbow SU2 ⁸ 2 Head 90 Elbow	SMS ¹ Side Swivel RCS Center Rear Swivel with Lock Rotation	RW Standard-Recessed Lens with weep holes - Outdoor RI Recessed Lens with no weep holes - Indoor FL Flush lens hood	Standard CRI LED2790 - 2700K, 90 CRI LED 3090 - 3000K, 90 CRI LED 3590 - 3500K, 90 CRI LED 4080 - 4000K, 80 CRI LED 5080 - 5000K, 80 CRI Premium CRI LED 2797 - 2700K, 97 CRI LED 3097 - 3000K, 97 CRI LED 3597 - 3500K, 97 CRI LED 4097 - 4000K, 97 CRI Premium Color Tuning** LEDCB - Bluetooth Color Module LEDCR ² - Remote Color Module LEDWD - Warm Dim Color Module	S Spot M Medium F Flood W Wide	Standard Paint Finish BK Black BZ Bronze CS City Silver WT White Premium Metal³ NBR Natural Brass NBZ Natural Bronze NCP Natural Copper NSS Natural Stainless Steel	6" 6" Stem 14" 14" Stem 18" 18" Stem 24" 24" Stem 30" 30" Stem 36" 36" Stem	L1 Light Level 1 (10w) LC1 ⁵ Light Level Color 1 (12W)	UNV 120-277V	Surface Mount - Wall, Ceiling, Ground RSM Round Surface Mount-mounts directly to junction box. Thermal Limitations (unless otherwise noted 50C) Remote Driver Housing WRR ¹⁰ Remote Driver Housing - Round Wall WRS ¹⁰ Remote Driver Housing - Square Wall Thermal Limitations (unless otherwise noted 50C) Integral Driver Mount WIS ⁶ Wall Integral Driver Plate Thermal Limitations (unless otherwise noted 45C) 1002-(S1,SU1)-xx-L1-xx-WIS (50C) 1002-(S2,SU2)-xx-L1-xx-WIS (50C)	SVPD2 ⁷ Standalone integral sensor

Notes: 1. SMS only available with 1002-S1
2. Order LC remote separately
3. Premium Metal not available for RSM option
4. Premium Metal only available upto 14" stem
5. LC1 limited to F and W optic only
6. 1002-S2 and 1002-SU2 not available for LC1
7. Only available for single head option (S1/ SU1) with RSM only
8. S2/ SU2 doubles input wattage listed
9. Only available for LEDCR
10. Remote Driver up to 60"
* ROHS Compliant - For Natural materials consult factory
** Available Q1, 2018

Catalog #	
Project	
Comments	
Prepared by	



Lanterra 1002

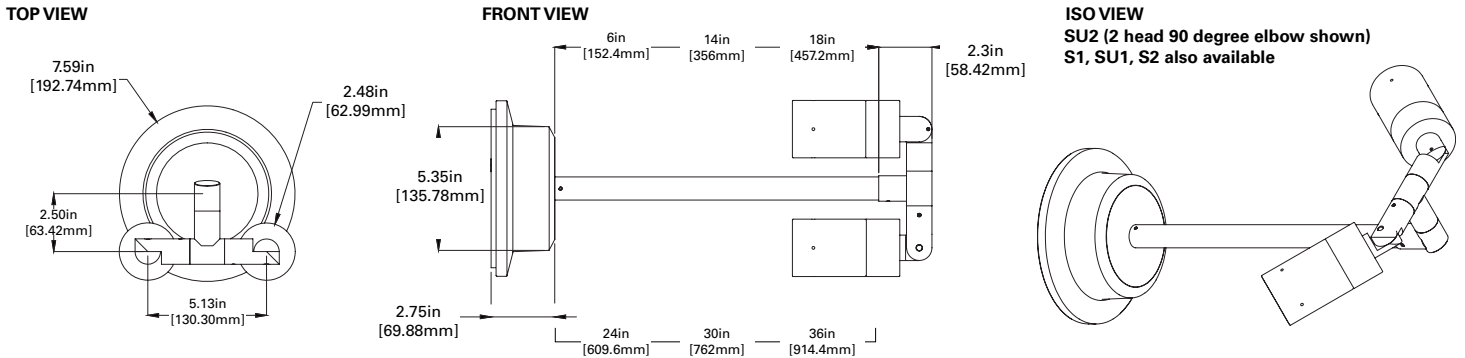
LED
INTERIOR / EXTERIOR
SIGN FLOOD LIGHT
CERTIFICATION DATA
cULus - 1598
Wet Location Listed - IP66
LM79/LM80 Compliant
ROHS* Compliant
10W LED, L70/90,000@25° Celcius

ACCESSORIES - ORDER SEPARATELY

		ACCESSORIES			OPTICS
LCTL1RZRT452L-PK ⁹	Light Commissioning Tool (LCT)	Filters		Lens	
ISHH01LUM	Programming Remote for sensor	F71-2	Peach Dichroic	LSL-2	Linear Spread Lens
ISHH02LUM	Personal Control Remote for sensor	F72-2	Amber Dichroic	DIF-2	Diffused Lens
		F73-2	Green Dichroic	OSL-2	Overall Spread Lens
		F74-2	Medium Blue		
		F75-2	Yellow Dichroic		
		F76-2	Red Dichroic		
		F77-2	Dark Blue Dichroic		
		F78-2	Light Blue Dichroic		
		F79-2	Neutral Density Dichroic		
		F80-2	Magenta Dichroic		
		F22-2	Red Color		
		F33-2	Blue Color		
		F44-2	Green Color		
		F55-2	Yellow Color		
		F66-2	Mercury Color		
				Louwer	
				LVR-2	45° Hex Cell Louwer
					LLR-S-2 15° Spot
					LLR-M-2 25° Medium
					LLR-F-2 40° Flood
					LLR-W-2 55° Wide Flood
					LLR-K-2 Spot, Medium, Flood, Wide Flood kit
					LLR-F-LC-2 40° Flood color tuning optic
					LLR-W-LC-2 55° Wide Flood color tuning optic
					LLR-K-LC-2 Flood, Wide Flood color tuning optic kit

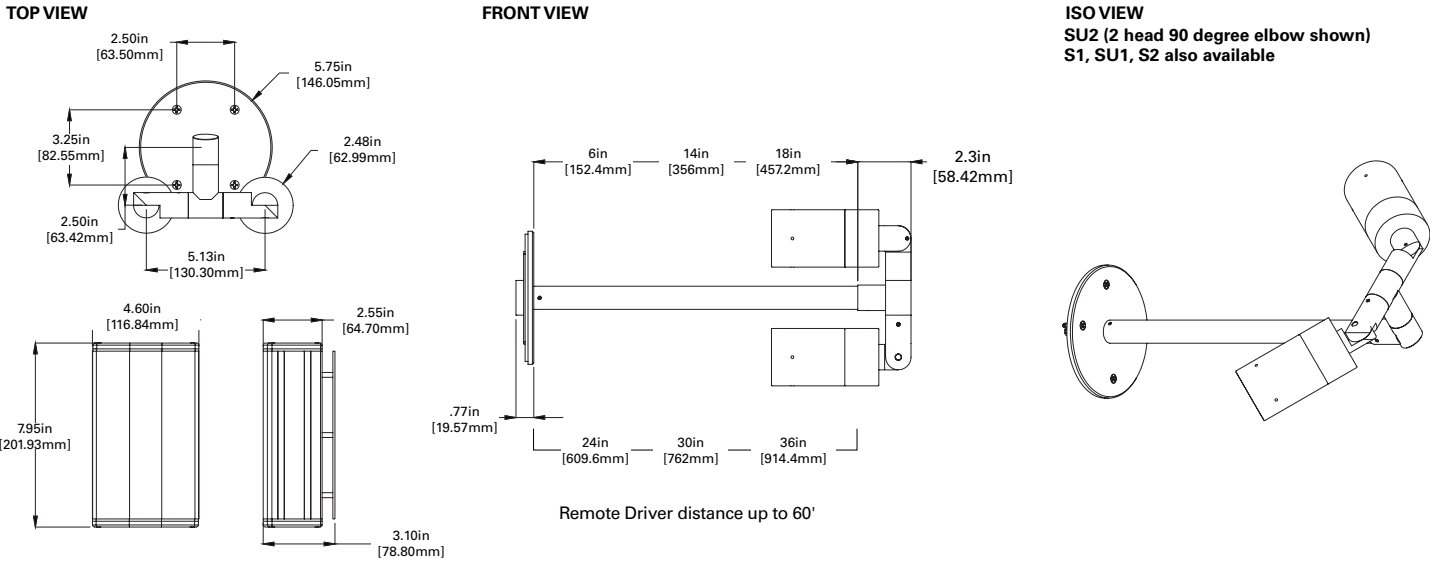
MOUNTINGS

ROUND SURFACE MOUNT (RSM)

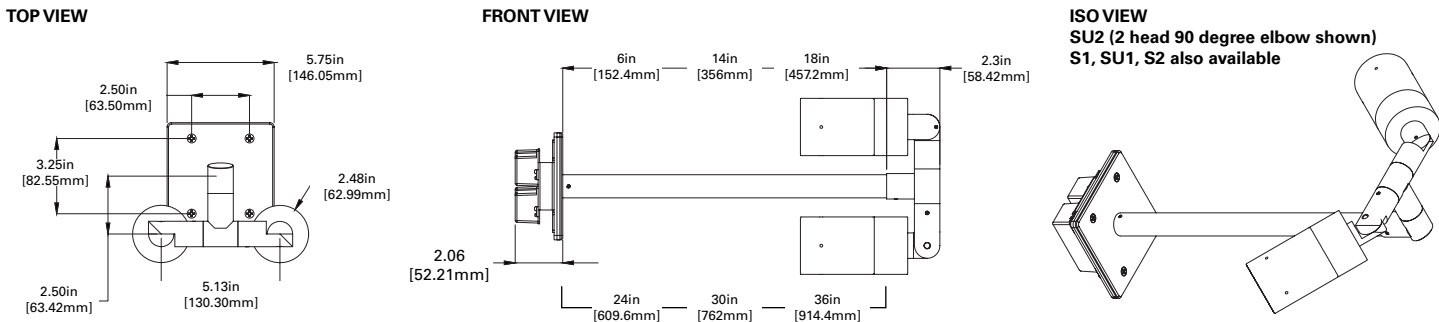


REMOTE DRIVER HOUSING ROUND WALL (WRR)

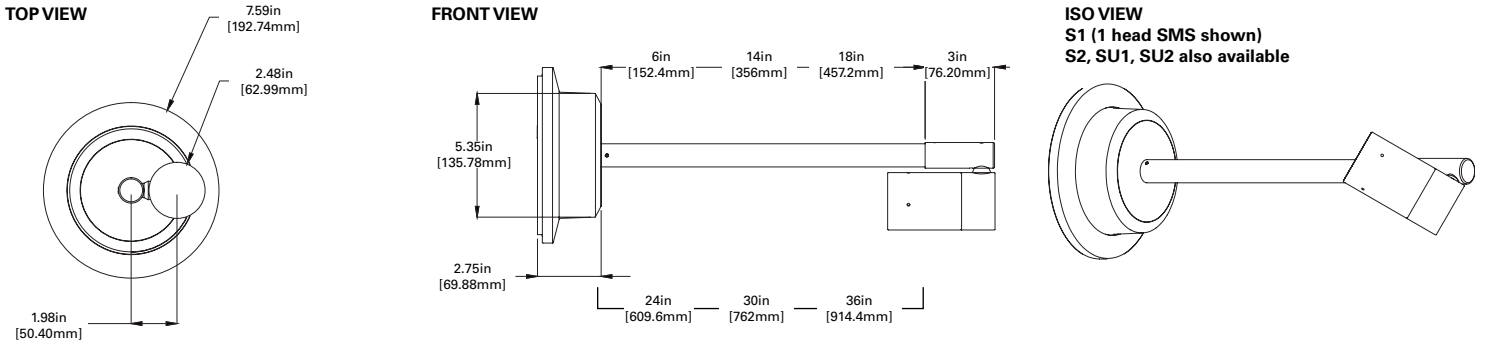
Also available as WRS (Wall Remote Square)



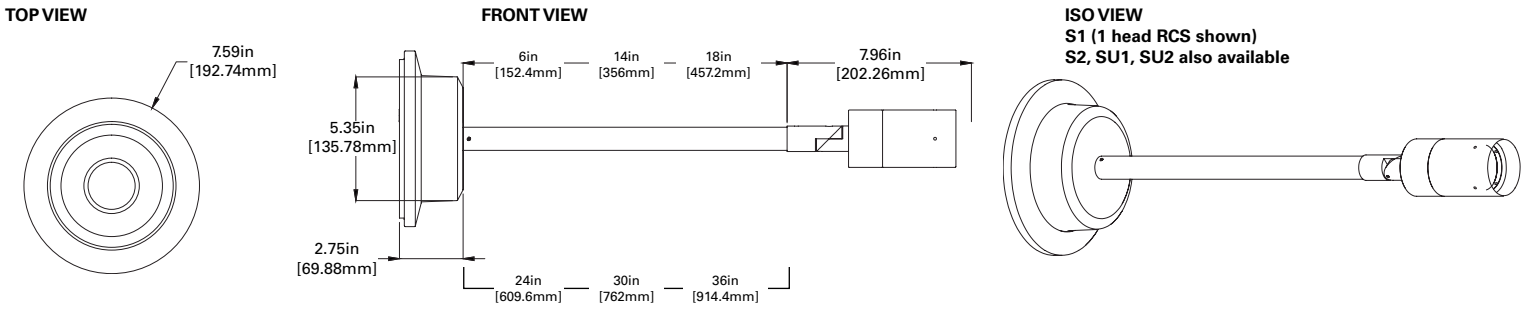
WALL INTEGRAL DRIVER PLATE (WIS)



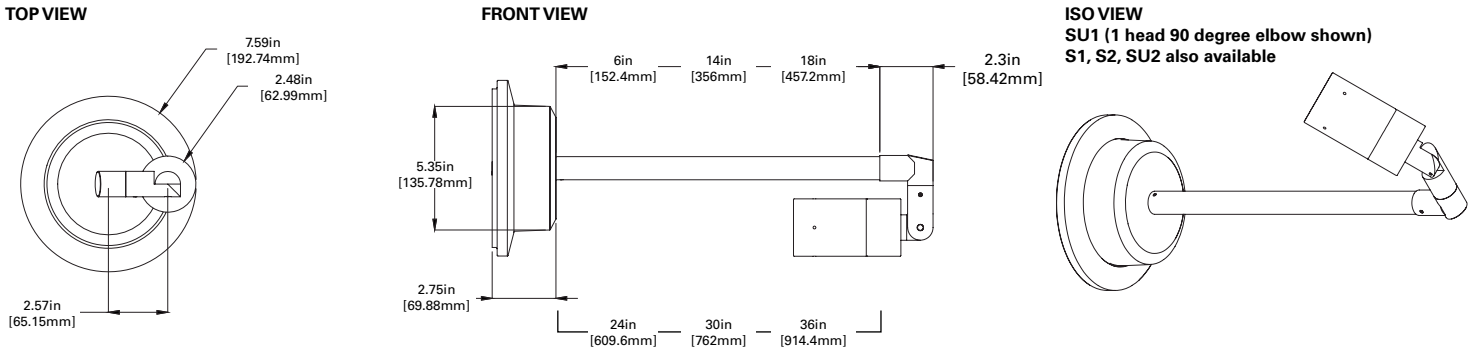
ROUND SURFACE MOUNT (RSM)



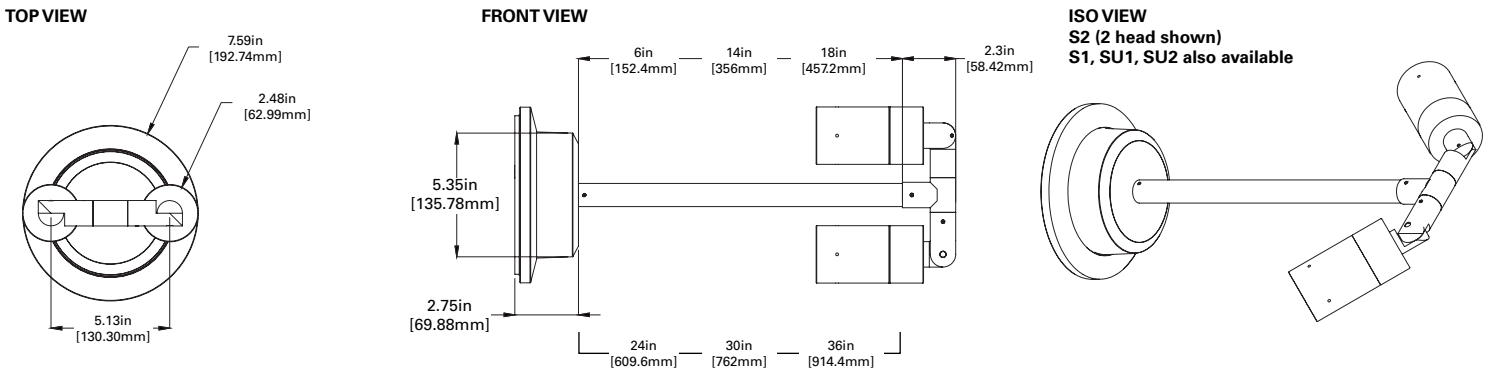
ROUND SURFACE MOUNT (RSM)



ROUND SURFACE MOUNT (RSM)



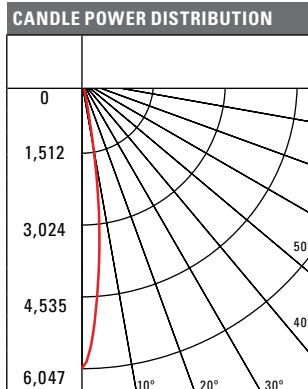
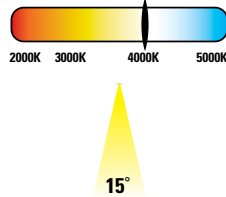
ROUND SURFACE MOUNT (RSM)



PHOTOMETRICS

Test Number	P29421
Lumcat	1002-[A1, P1, S1, SU1, W1]-X-FL-LED4080-S-BK-L1-UNV
Lumens	458 Lm
Watts	10 W
LPW	45.8 Lm/W
CCT	4000K
SC (0/90/45)	0.24 / 0.24 / 0.24
Beam Angle	14°

COLOR METRIC SUMMARY	
TM-30-15	Rf = 82.6 Rg = 93.8
CRI/CIE	Ra = 84.2 R9 = 15.1

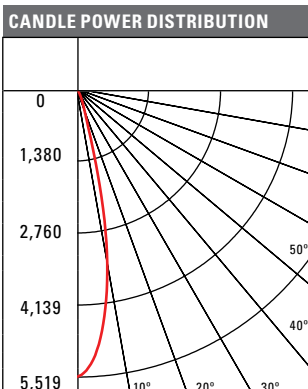
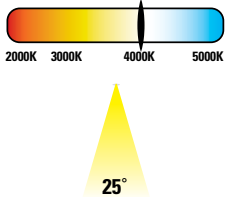


CONE OF LIGHT			
Horizontal Illuminance on Floor			
MH	FC	L	W
2'	1511.8	0.4	0.4
4'	377.9	0.8	0.8
6'	168	1.4	1.4
8'	94.5	1.8	1.8
10'	60.5	2.4	2.4
15'	26.9	3.6	3.6
20'	15.1	4.8	4.8
30'	6.7	7.2	7.2
40'	3.8	9.6	9.6

CANDELA TABLE	
Angle	0-deg
0	6047
5	4064
10	1430
15	292
20	137
30	21
40	7
50	3
60	2
70	1
80	0
90	0

Test Number	P29422
Lumcat	1002-[A1, P1, S1, SU1, W1]-X-FL-LED4080-M-BK-L1-UNV
Lumens	985 Lm
Watts	10 W
LPW	98.5 Lm/W
CCT	4000K
SC (0/90/45)	0.4 / 0.4 / 0.36
Beam Angle	23.1°

COLOR METRIC SUMMARY	
TM-30-15	Rf = 82.6 Rg = 93.8
CRI/CIE	Ra = 84.2 R9 = 15.1

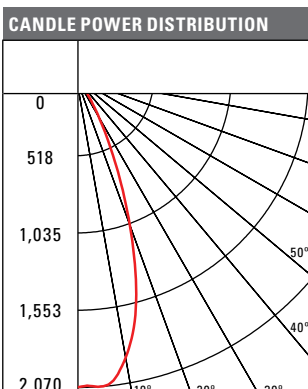
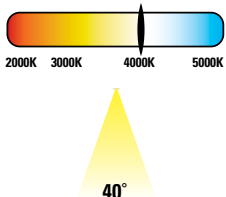


CONE OF LIGHT			
Horizontal Illuminance on Floor			
MH	FC	L	W
2'	1379.8	0.6	0.6
4'	344.9	1.4	1.4
6'	153.3	2.2	2.2
8'	86.2	3	3
10'	55.2	3.8	3.8
15'	24.5	5.8	5.8
20'	13.8	7.8	7.8
30'	6.1	11.8	11.8
40'	3.4	15.8	15.8

CANDELA TABLE	
Angle	0-deg
0	5519
5	4909
10	3391
15	1302
20	457
30	133
40	22
50	6
60	2
70	1
80	0
90	0

Test Number	P29423
Lumcat	1002-[A1, P1, S1, SU1, W1]-X-FL-LED4080-F-BK-L1-UNV
Lumens	1015 Lm
Watts	10W
LPW	101.5 Lm/W
CCT	4000K
SC (0/90/45)	0.66 / 0.66 / 0.63
Beam Angle	40.3°

COLOR METRIC SUMMARY	
TM-30-15	Rf = 82.6 Rg = 93.8
CRI/CIE	Ra = 84.2 R9 = 15.1

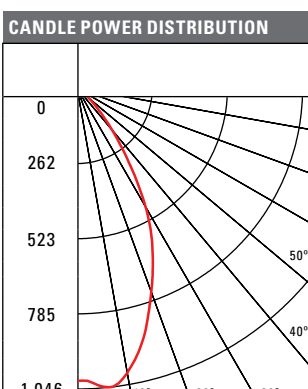
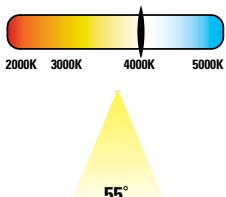


CONE OF LIGHT			
Horizontal Illuminance on Floor			
MH	FC	L	W
2'	517.5	1.2	1.2
4'	129.4	2.6	2.6
6'	57.5	3.8	3.8
8'	32.3	5.2	5.2
10'	20.7	6.6	6.6
15'	9.2	9.8	9.8
20'	5.2	13.2	13.2
30'	2.3	19.8	19.8
40'	1.3	26.4	26.4

CANDELA TABLE	
Angle	0-deg
0	2070
5	2070
10	1900
15	1547
20	1048
30	306
40	60
50	11
60	3
70	2
80	0
90	0

Test Number	P29424
Lumcat	1002-[A1, P1, S1, SU1, W1]-X-FL-LED4080-W-BK-L1-UNV
Lumens	947 Lm
Watts	10 W
LPW	94.7 Lm/W
CCT	4000K
SC (0/90/45)	0.87 / 0.87 / 0.88
Beam Angle	57.1°

COLOR METRIC SUMMARY	
TM-30-15	Rf = 82.6 Rg = 93.8
CRI/CIE	Ra = 84.2 R9 = 15.1



CONE OF LIGHT			
Horizontal Illuminance on Floor			
MH	FC	L	W
2'	257.5	1.6	1.6
4'	64.4	3.4	3.4
6'	28.6	5	5
8'	16.1	6.8	6.8
10'	10.3	8.6	8.6
15'	4.6	12.8	12.8
20'	2.6	17.2	17.2
30'	1.1	25.8	25.8
40'	0.6	34.4	34.4

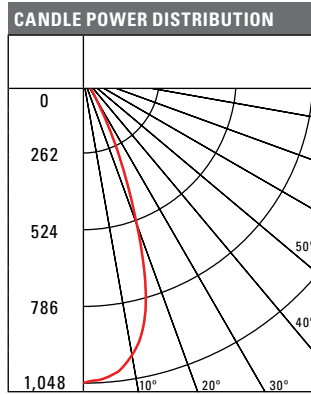
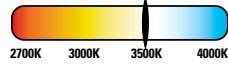
CANDELA TABLE	
Angle	0-deg
0	1018
5	1042
10	1005
15	896
20	754
30	477
40	189
50	56
60	13
70	2
80	0
90	0

CCT/CRI	LED2790	LED3090	LED3590	LED4080	LED5080	LED2797	LED3097	LED3597	LED4097
FC Multiplier	0.757	0.802	0.869	1.000	1.092	0.722	0.773	0.813	0.833

PHOTOMETRICS (PREMIUM COLOR TUNING)

Test Number	P29548
Lumcat	1002-[A1, P1, S1, SU1, W1]-X-FL-[LEDCB, LEDCR]-F-BK-LC-UNV
Lumens	467 Lm
Watts	13.5 W
LPW	34.6 Lm/W
CCT	3500K
SC (0/90/45)	0.68 / 0.68 / 0.62
Beam Angle	40.6°
Module set to 3500K CCT, 100% output	

COLOR METRIC SUMMARY	
TM-30-15	Rf = 90.4 Rg = 98.7
CRI/CIE	Ra = 92.5 R9 = 65.5

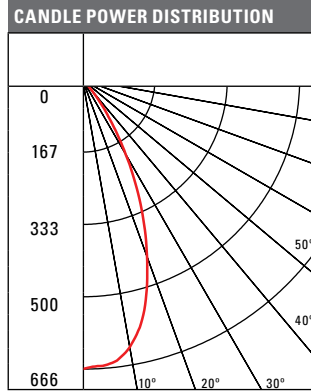
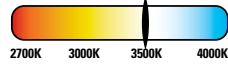


CONE OF LIGHT			
Horizontal Illuminance on Floor			
MH	FC	L	W
2'	262	1.2	1.2
4'	65.5	2.6	2.6
6'	29.1	4	4
8'	16.4	5.4	5.4
10'	10.5	6.8	6.8
15'	4.7	10.2	10.2
20'	2.6	13.6	13.6
30'	1.2	20.4	20.4
40'	0.7	27.2	27.2

CANDELA TABLE	
Angle	0-deg
0	1048
5	1029
10	967
15	828
20	541
30	99
40	2
50	1
60	1
70	0
80	0
90	0

Test Number	P29549
Lumcat	1002-[A1, P1, S1, SU1, W1]-X-FL-[LEDCB, LEDCR]-W-BK-LC-UNV
Lumens	434 Lm
Watts	13.5 W
LPW	32.1 Lm/W
CCT	3500K
SC (0/90/45)	0.77 / 0.77 / 0.76
Beam Angle	48.5°
Module set to 3500K CCT, 100% output	

COLOR METRIC SUMMARY	
TM-30-15	Rf = 90.4 Rg = 98.7
CRI/CIE	Ra = 92.5 R9 = 65.5



CONE OF LIGHT			
Horizontal Illuminance on Floor			
MH	FC	L	W
2'	166.5	1.4	1.4
4'	41.6	3	3
6'	18.5	4.6	4.6
8'	10.4	6	6
10'	6.7	7.6	7.6
15'	3	11.4	11.4
20'	1.7	15.2	15.2
30'	0.7	23	23
40'	0.4	30.6	30.6

CANDELA TABLE	
Angle	0-deg
0	666
5	658
10	625
15	549
20	434
30	199
40	39
50	3
60	1
70	1
80	0
90	0

		1002-[P1] Regressed Hood - Black L1 - 10W		
		CBCP	Lumens	LPW
S Spot 15°	LED2790	4566	358	35.8
	LED3090	4837	379	37.9
	LED3590	5236	411	41.1
	LED4080	6028	473	47.3
	LED5080	6581	516	51.6
	LED2797	4350	341	34.1
	LED3097	4657	365	36.5
	LED3597	4898	384	38.4
	LED4097	5022	394	39.4
M Medium Flood 25°	LED2790	4252	724	72.4
	LED3090	4505	767	76.7
	LED3590	4877	831	83.1
	LED4080	5614	956	95.6
	LED5080	6129	1044	104.4
	LED2797	4051	690	69.0
	LED3097	4337	739	73.9
	LED3597	4562	777	77.7
	LED4097	4677	797	79.7
F Flood 40°	LED2790	1604	746	74.6
	LED3090	1699	791	79.1
	LED3590	1840	856	85.6
	LED4080	2118	985	98.5
	LED5080	2312	1076	107.6
	LED2797	1528	711	71.1
	LED3097	1636	761	76.1
	LED3597	1721	801	80.1
	LED4097	1764	821	82.1
W Wide Flood 55°	LED2790	798	685	68.5
	LED3090	846	726	72.6
	LED3590	916	785	78.5
	LED4080	1054	904	90.4
	LED5080	1151	987	98.7
	LED2797	761	653	35
	LED3097	814	699	69.9
	LED3597	856	735	73.5
	LED4097	878	753	75.3

TM30 DATA

1002	CCT/CRI	Rf	Rg	Ra	R9
	2790	91.8	100	93.8	66.3
	3090	91.3	99.1	92.1	62.6
	3590	90.4	98.7	92.5	65.5
	4080	82.6	93.8	84.2	15.1
	5080	81.4	93.3	83.8	14
	2797	94.7	100.3	98.2	92.7
	3097	94	100.1	98.6	94.2
	3597	93	99.6	98.2	95.3
	4097	91.1	97.8	95.9	87.7

LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Theoretical L70 (Hours)
25°C, 40°C, 50°C	> 86%	> 90,000

POWER TABLE

Number of Heads	Light Level	Input Current (A) at 120 VAC	Input Current (A) at 277 VAC	Input Power (W)
S1, SU1	L1	0.08	0.03	10
	LC1	0.1	0.085	11.4
S2, SU2	L1	0.16	0.06	20
	LC1	0.2	0.17	22.8

INTEGRATED SENSOR - SVPD2

The Lanterra Sign 1002 with Integrated Sensor technology provides automatic energy savings without sacrificing performance. Traditionally, these types of energy savings required coordination between the luminaire and a lighting control system. The Lanterra Sign 1002 delivers superior lighting with integrated PIR occupancy sensing and daylighting controls.

Capture the benefits of traditional lighting controls, without complicated circuit planning or special wiring. The Lanterra Sign 1002 delivers automatic ON to an energy saving light level, while ensuring lighting is turned OFF when the space is unoccupied.

The SVPD2 sensor is configured for outdoor use, so the integral daylight sensor will enable the luminaire to automatically adjust to daylight conditions by turning off when sufficient sunlight is present. Consult factory for indoor configuration.

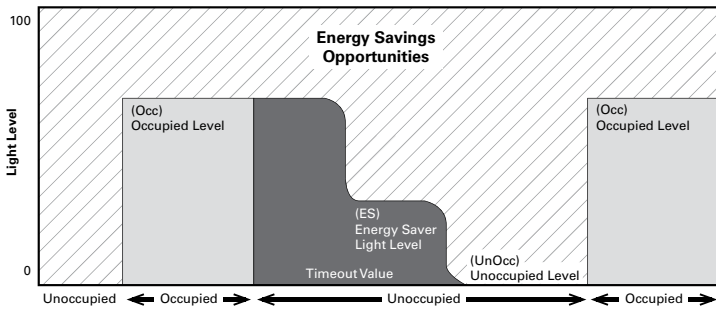
Occupied light levels and unoccupied light levels can be adjusted using the integrated sensor programming remote (Catalog Number: ISHH01LUM). While the default unoccupied level is OFF, a lower light level can be saved instead using the programming remote. The integrated sensor personal remote (Catalog Number: ISHH02LUM) provides code compliant manual raise, lower, ON, OFF control.

The Lanterra Sign 1002 with Integrated Sensor is easy to install with no special wiring and ensures energy savings out-of-the-box with default control settings.



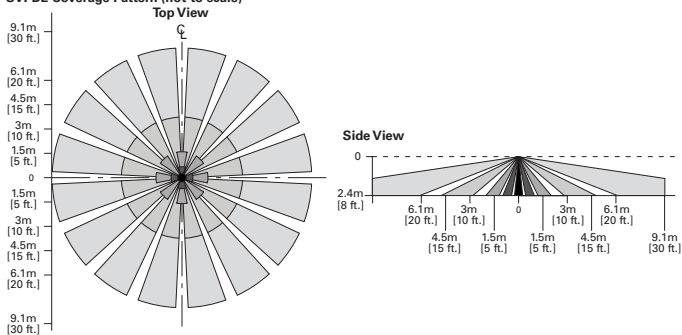
HOW IT WORKS

- As the user enters the space controlled by the integral sensor, the lighting turns ON to the occupied light level.
- Lighting will remain at the occupied level until the space is unoccupied. This will start the occupancy timeout period (default 20 minutes).
- If the space remains unoccupied for half of the timeout period, the lighting will automatically reduce to the Energy Saver light level (default matches occupied level). This adjustable light level is often set to half of the occupied daylight level using the programming remote.
- At the end of the timeout period the lighting will go to the unoccupied light level. This adjustable light level uses the OFF default setting.
- If sufficient sunlight is present, the luminaire will remain OFF, regardless of occupancy.

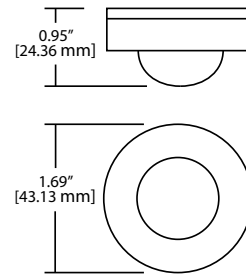


Coverage

SVPD2 Coverage Pattern (not to scale)



Sensor Dimensions



Optional Remote Controls



ISHH01LUM Programming Remote



ISHH02LUM Personal Control Remote



DESCRIPTION

The Lumière Eon LED 303-W1-LEDB1 is a compact, low profile, dimmable LED direct/indirect luminaire. The luminaire features full vertical adjustment (180°) for easy aiming and mounts directly to any wall or ceiling surface over a standard 4" square junction box. It is standard with a universal input LED driver (120 - 277V, 50/60 Hz). Dimming is achieved with a standard ELV, reverse phase dimming driver or an optional 0-10V dimming driver. 303-W1-LEDB1 may be used indoors or outdoors and carries an IP66 rating.

Catalog #		Type	
Project			
Comments			
Prepared by			



SPECIFICATION FEATURES

Construction

Head and back plate are precision machined from corrosion-resistant 6061-T6 aluminum. A universal mounting plate and one piece silicone key hole gasket is provided for adaption to junction box or surface. Stainless steel hardware is included.

Mounting

The luminaire mounts directly to a standard 4" square junction box. For further mounting information see technical notes section on page 2.

Optical

LightBAR™ and optical assembly are sealed by a diffused, impact resistant tempered glass lens. The optical assembly is available in three distributions: T2 (lateral

throw), T4 (forward throw) and T5X (Extra Wide Flood). Available in several color temperatures: 2700K, 3000K, 3500K, 4000K and TSAM (Amber). Both color temperature and distribution must be specified when ordering – see catalog logic for details. An edge-lit option is available.

Electrical

The 8.5W 303-W1-LEDB1 is standard with an ELV trailing edge phase dimmable driver that accepts a universal input (120-277, 50/60Hz). It will operate in -40°C to 50°C [-40°F to 122°F]. The driver incorporates surge protection. An optional 0-10V dimming driver is also available.

Finish

The luminaires are double protected by a RoHS compliant chemical film undercoating and polyester

powder coat paint finish, surpassing the rigorous demands of the outdoor environment. A variety of standard colors are available. RAL and custom color matches available upon request. Luminaires can also be brushed with a clear coat finish. The LightBAR™ cover plates are standard white and may be specified to match finish of luminaire housing (LCF).

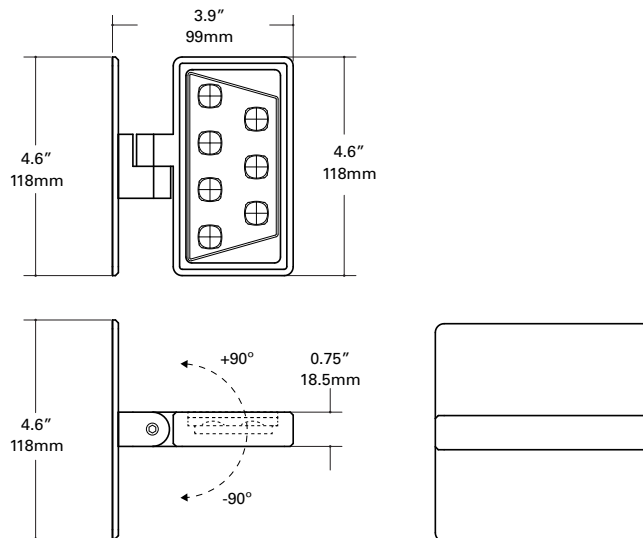
Warranty

Lumière warrants the EON series of fixtures against defects in material and workmanship for five (5) years. Auxiliary equipment such as LED drivers carries the original manufacturer's warranty.



303-W1-LEDB1 EON LED

APPLICATIONS:
CEILING / WALL MOUNT
DIRECT
INDIRECT



CERTIFICATION DATA

UL and cUL Wet Location Listed
LM79 / LM80 Compliant
ROHS Compliant
IP66 Ingressed Protection Rated

TECHNICAL DATA

50°C Maximum Temperature Rating
External Supply Wiring 90°C Minimum



ORDERING INFORMATION

Sample Number: 303-W1-LEDB1-2700-UNV-T2-DIM10-BK-EDGE

Series ⁴	Color Temperature	Input Voltage	Optics	Dimming	Finish ¹	Options ^{2,3}
303-W1-LEDB1 Head contains one (1) Mini LightBAR™	2700=2700K 3000=3000K 3500=3500K 4000=4000K TSAM =Turtle Safe Amber (585-595nm)	UNV=Universal 120-277, 50/60Hz	T2=Type II, Lateral Throw T4=Type IV, Forward Throw T5X=Type V, Extra Wide Flood	DIMELV=Trailing Edge Phase DIM10=0-10V Dimming	Painted BK=Black BZ=Bronze CS=City Silver WT=White Premium Finish BA=Brushed NSS=Solid Stainless Steel	EDGE=Edge lit glass lens LCF=LightBAR cover plate matches housing finish

NOTES: 1 Custom and RAL color matching available upon request. Consult factory for further information. 2 Add suffix in the order shown. 3 LCF option not available when WT (white) finish is selected. 4 DesignLights Consortium™ Qualified and classified for DLC Standard. Refer to www.designlights.org for details on exact qualified EON 303-W1-LEDB1 product as not all configurations are DLC classified.

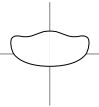
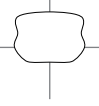
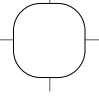
LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (72,000 Hours)	TM-21 Reported L70(10k) (Hours)	Theoretical L70 (Hours)
25°C	> 94%	> 60,000	365,000
40°C			
50°C			

CURRENT DRAW

Model	Line Voltage	Current Draw
303-W1-LEDB1	120-277V, 50/60Hz	0.068A

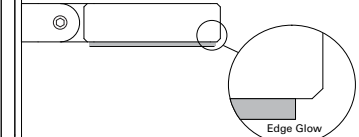
LUMENS - CRI/CCT TABLE

Optic Type	Distribution	Watts	Delivered Lumens	LPW	CCT (K) / Color	CRI nom. / Wavelength
T2 (Lateral Throw)		8.5	354	42	2700	95
			588	71	3000	75
			411	50	3500	85
			648	77	4000	75
T4 (Forward Throw)		8.5	310	37	2700	95
			541	65	3000	75
			360	43	3500	85
			568	67	4000	75
T5X (Extra Wide Flood)		8.5	381	46	2700	95
			663	80	3000	75
			443	53	3500	85
			698	83	4000	75
		6.5	194	30	TSAM (Amber)	585-595nm

NOTES: 1 When the LCF option is selected use a lumen multiplier of .85

OPTIONS

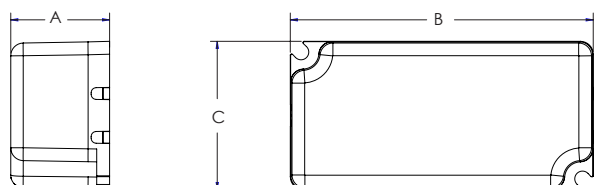
Edge



When specifying with the EDGE option, the diffuse glass lens is replaced with a thicker diffuse glass lens adding a visible line of light around the edge accentuating the luminaries' aesthetics and styling.

TECHNICAL NOTES

- Junction box size and depth is important when specifying product. Recommended junction boxes include 2-1/8" deep, 4" square weld/drawn Crouse Hinds part numbers TP403, TP434, TP494, TP196, TP395 or equivalent. Use with included universal mounting plate or with Crouse-Hinds part number TP480 or equivalent cover with similar fixture mounting locations.
- The universal wall plate provided with all EON wall mount fixtures can be used with an outdoor rated two gang 30.5 cubic inch capacity outlet box. Cooper Crouse-Hinds part numbers TP7086 – TP7122 or equivalent. The universal mounting plate will attach with four (4) 6-32 pan head/flat stainless steel screws (not provided).
- Driver can be remote mounted in a junction box a max distance of 25 feet (voltage drop needs to be considered) or placed in the junction box behind the luminaire.
- When specifying with the EDGE option, the diffused glass becomes thicker adding a visible line of light around the edge accentuating the luminaries' aesthetics and styling.
- If Luminaire will not be dimmed, the Luminaire must be ordered with DIMELV option, but does not have to be dimmed.
- Driver Dimensions:



Luminaire Type	Dimming Type	Driver Dimensions in [mm]		
		A	B	C
303-W1-LEDB1	DIMELV	.98 [25.0]	2.78 [70.5]	1.14 [28.9]
	DIM10	.98 [25.0]	3.36 [85.3]	1.49 [37.9]