VII.C.

City of Chesterfield

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Phone: 636-537-4000 • Fax 636-537-4798 • www.chesterfield.mo.us

Planning Commission Staff Report

Meeting Date: June 13, 2022

From: Alyssa Ahner, Planner

Location: 13435 Olive Blvd

Description: **Crazy Bowls & Wraps (AAE):** Amended Architectural Elevations for a 0.27-acre tract of land zoned "PC"–Planned Commercial District located north of Olive Blvd and east of N. Woods Mill Drive.

PROPOSAL SUMMARY

Tao + Lee Associates, on behalf of Crazy Bowls & Wraps, have submitted Amended Architectural Elevations for an existing fast-food restaurant building. There are no changes being proposed to the physical site, only the aesthetics of the building, with the exception of repairing and restriping the pavement including any damaged curbs.

Figure 1: Subject Site

HISTORY OF SUBJECT SITE

St. Louis County zoned the subject site "C2" Shopping District in 1970. The site was rezoned under City of Chesterfield Ordinance 1874 from "C2" Shopping District to "PC" Planned Commercial District. The only permitted use was and is, restaurants, fast-food. A Site Development Plan was approved in 2003 for a Dairy Queen. In 2012, Amended Architectural Elevations were approved for a Kim Cheese restaurant. The site today has sat vacant for some time.

ZONING & LAND USE

The site is zoned "PC" – Planned Commercial under the provisions of Ordinance 1874.

Direction	Zoning	Land Use
North	"C2"—Shopping District	Retail/Office, general
South	"PC"—Planned Commercial District "R3" – Residence District	Retail Office, medical - under construction
East	"C2"— Shopping District	Retail/Office, general
West	"C2"— Shopping District	Gas Station/Convenience Store

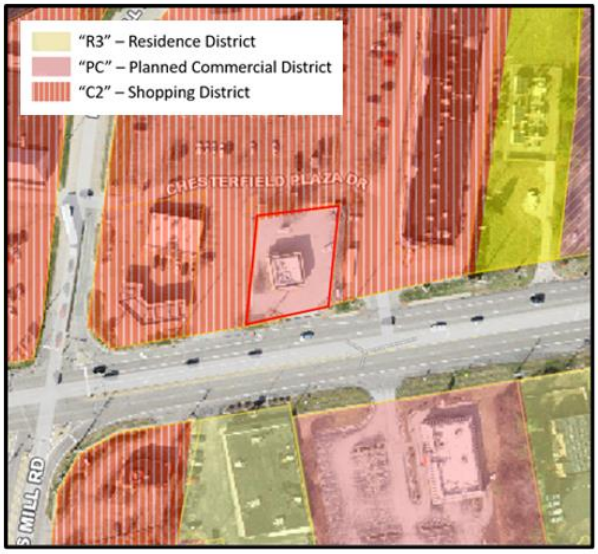


Figure 2: Zoning Map

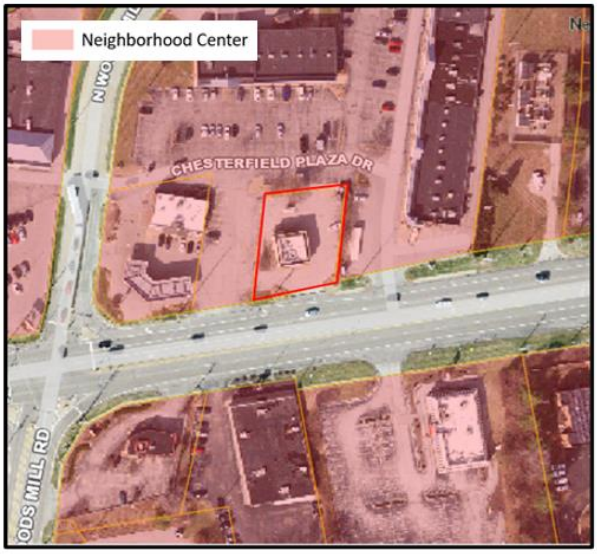


Figure 3: Land Use Map

COMPREHENSIVE PLAN

The City of Chesterfield Land Use Plan indicates the subject site as being part of Neighborhood Center land use designation. The City of Chesterfield provides a character description of this area: "*Land that supports small-scale, commercial centers that provide goods and services to surrounding neighborhoods. Their proximity to neighborhoods requires that operations be low intensity, unobtrusive and at a scale and design compatible with nearby residential development.*

The design of neighborhood centers transitions effectively between residential and non-residential uses, and includes safe and convenient pedestrian and bicycle access for nearby residents. While this is primarily a commercial category, some neighborhood commercial centers may include upper story residential".

STAFF ANALYSIS

a. Circulation System, Parking, & Access

The development will be utilizing the existing circulation system and access points. The site is currently served by three (3) access points including one entry/exit off of Olive Blvd, a second to the rear of the site leading to the adjacent strip mall, and a third leading to the parking lot of the adjacent gas station. There is an existing drivethrough and window on the western portion of the site that will be utilized.

The site has an existing parking agreement with the property to the west that was approved in 2002. This agreement approved a five percent (5%) reduction for Chesterfield Plaza Center and for eleven (11) parking spaces to be transferred to the subject property. There are eighteen (18) parking spots required and there are twenty (20) being provided. The parking easement contains eleven (11) of these spots while nine (9) exist onsite. There are no proposed changes at this time.

Figure 4: Site Plan

b. Landscaping and Screening

The initial submittal did not include any changes to the approved Landscape Plan. However, after some concern was raised by the Architecture Review Board regarding the status of the existing landscaping, the applicant has agreed to replace any dead foliage in kind.

The rooftop mechanical equipment is screened by parapet walls with exception to one existing smokestack. Staff will work with the applicant on minimizing the appearance of the smokestack.

There is an existing trash enclosure located in the northeast portion of the site. It is a 4" thick CMS wall with brick veneer and stands at 6'4". The applicant plans to paint the existing enclosure.

c. Lighting

The development will be utilizing the existing light poles. There are three (3) light poles on the eastern perimeter of the site and an additional light pole immediately past the menu board. The two (2) existing sconces on the entryway facing Olive Blvd. will be replaced with two (2) new decorative sconces.

d. Architectural Elevations

The changes to the building itself include removing the stone accent on the entryway offset. The offset will then be resurfaced and accented with a Trespa Pura Wood-Look siding while the remainder of the building will be painted two (2) different shades of grey. The cement fiber panel will be a light grey and the stone veneer that currently wraps around the base of the building will be painted a darker grey. The cornice will be painted a shade of green.

ARCHITECTURAL REVIEW BOARD

This project was reviewed by the Architectural Review Board on May 12th, 2022. At that time, the Board made a motion to forward the Amended Architectural Elevations for Crazy Bowls & Wraps to the Planning Commission with a recommendation to approve with a vote of 4-0 with the following conditions:

- Site improvements to include; but not limited to, updates to the landscaping, repair curb damage, and replenish the pavement.

The applicant has since resubmitted and fulfilled the conditions. All of the updates have been included in the Planning Commission packets.

RENDERING

Figure 5: Rendering

STAFF RECOMMENDATION

Staff has reviewed this proposed development and found it to be in compliance with the City's Comprehensive Plan and Unified Development Code. All outstanding comments have been addressed at this time. Staff recommends approval of these Amended Architectural Elevations for Crazy Bowls & Wraps.

MOTION

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

1) "I move to approve (or deny) the Amended Architectural Elevations for Crazy Bowls & Wraps, as presented.

2) "I move to approve the Amended Architectural Elevations for Crazy Bowls & Wraps with the following conditions…"

   (Conditions may be added, eliminated, altered or modified)

Attachments
1. Amended Architectural Elevations Packet

TAO + LEE ASSOCIATES

Architect Statement of Design

4-21-2022

Site Relationships: The existing building remains, no changes to the site.

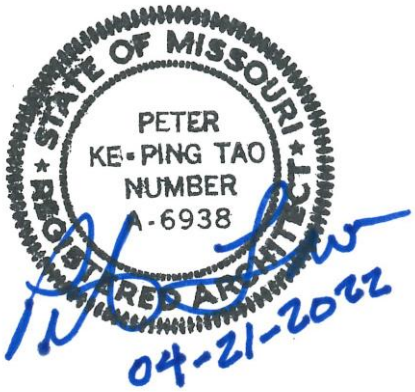
Circulation System and Access: Remains the same, no changes.

Topography: No changes to topography.

Retaining Walls: none needed.

General Requirements for Building Design:

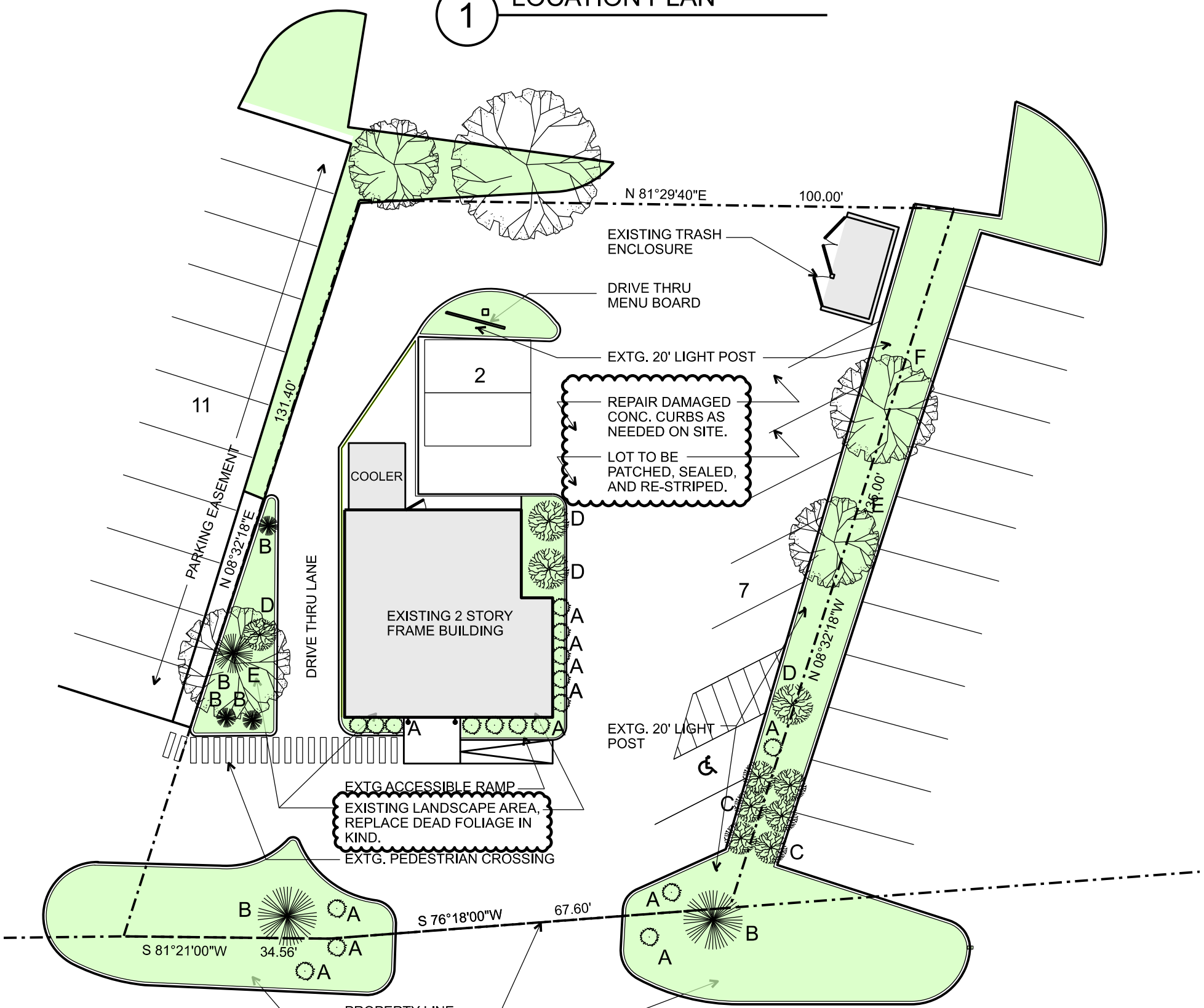
1. Scale: no changes to the existing building.
2. Design: The existing building will remain with changes to the materials and colors to reflect the identity of Crazy Bowls and Wraps and the fresh food fast concept. The existing rooftop equipment is not visible from the street and completely screened by the parapet.
3. Material and Colors: Crazy Bowls and Wraps prototypical materials include gray cement fiber panel with wood high pressure laminate accent. The existing panels and brick walls will remain and painted CBW gray. The existing canopies will be painted CBW green. The stone at the entry will be removed and resurfaced with Trespa Pura, a wood look ventilated façade product for durability and sustainability.
4. Landscape: The existing landscape areas around the building and site to remain. The existing brick trash enclosure to remain and repainted CBW gray. The solid vinyl gates to be replaced with similar.
5. Signage: Will be submitted as required by Chesterfield.
6. Lighting: Site Lighting to remain as is. The sconces at the entry will be replaced with new. See Cutsheet of fixture.



Architecture / Planning / Interiors / Creative Design
411 N. Tenth Street, Suite 402, Saint Louis, Missouri, 63101
p: 314-446-0885 f: 314-446-0888 www.taolee.com

STATE OF MISSOURI
PETER
KE-PING TAO
NUMBER
A-6938
REGISTERED ARCHITECT
04-21-2022

1 LOCATION PLAN



LANDSCAPE LEGEND

A EXTG. BOXWOOD
B EXTG. ORNAMENTAL GRASS
C EXTG. KNOCKOUT ROSES
D EXTG. YEW
E EXTG. HAWTHORN
F EXTG. HONEY LOCUST

NOTE: DEAD LANDSCAPING TO BE REPLACED IN KIND.

SURVEY IS BASED ON INFORMATION BY McDANIEL ENGINEERING AND SURVEYING CO. ON 3-25-2003.

EXISTING BUILDING DATA

FIRST FLOOR	1,178 SF
SEAT CAPACITY	19
NUMBER OF EMPLOYEES	3

PARKING CALCULATIONS

REQUIRED PARKING- 15/1,000 GFA. 1,178SFx.015=	18
PROVIDED PARKING	20
PARKING ON SITE-9 SPACES	
PARKING EASEMENT-11 SPACES ON ADJACENT WEST PROPERTY	
HC PARKING PROVIDED	1
LOADING SPACE REQ.	0

N

2 SITE / LANDSCAPE PLAN
1:20

TAO LEE associates

CRAZY BOWLS & WRAPS

13435 OLIVE BOULEVARD, CHESTERFIELD

PROJ. NAME: CRAZY BOWLS & WRAPS, CHESTERFIELD
PROJ. N0.: 674.27
DWG.: SITE PLAN
SCALE: 1:20
DATE: 4–21–2022

ARB1

4 RENDERING SOUTHEAST

3 RENDERING SOUTHWEST

1 EXTG BUILDING

STATE OF MISSOURI
PETER KE-PING TAO
NUMBER A-6938
REGISTERED ARCHITECT
04-21-2022

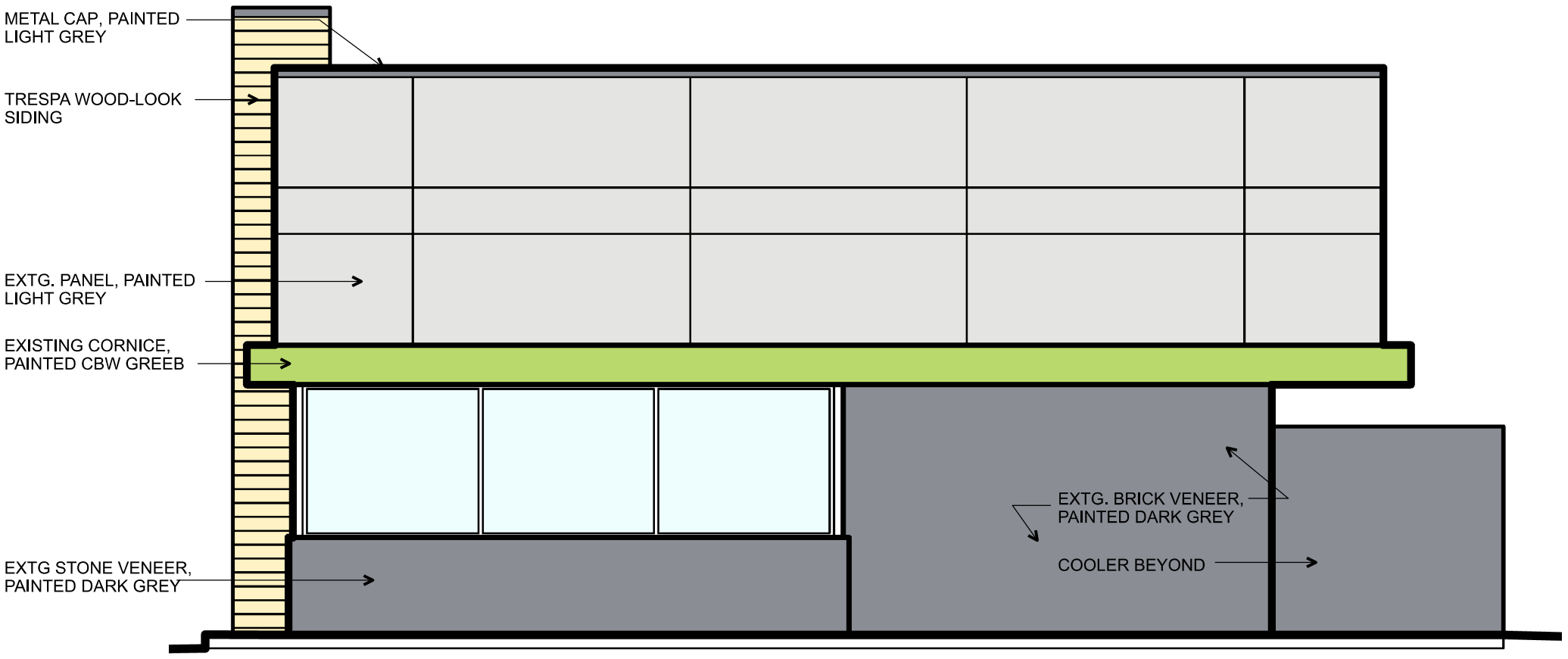
TAO LEE associates

CRAZY BOWLS & WRAPS

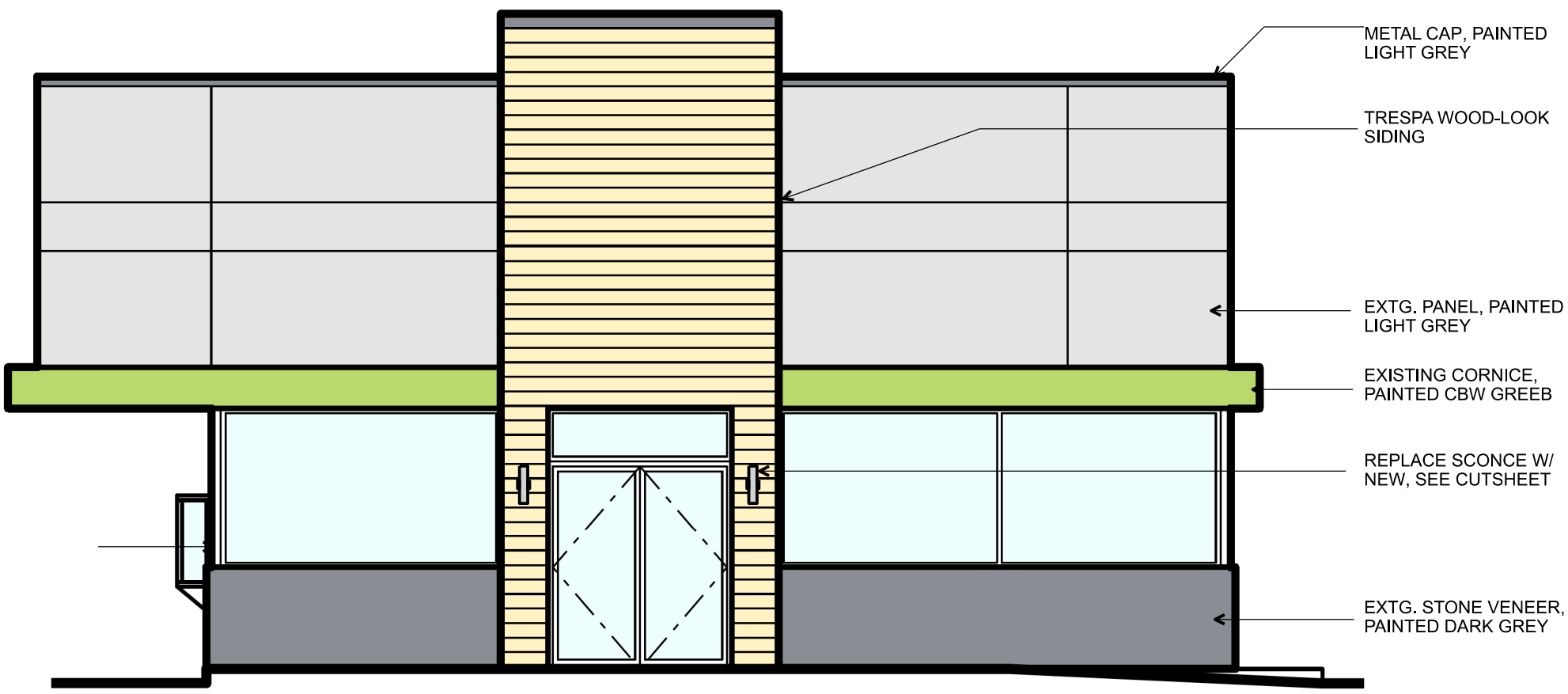
13435 OLIVE BOULEVARD, CHESTERFIELD

PROJ. NAME:	CRAZY BOWLS & WRAPS, CHESTERFIELD
PROJ. NO.:	674.27
DWG.:	RENDERING
SCALE:	NTS
DATE:	4–21–2022

ARB2



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



STATE OF MISSOURI
PETER
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04-21-2022

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

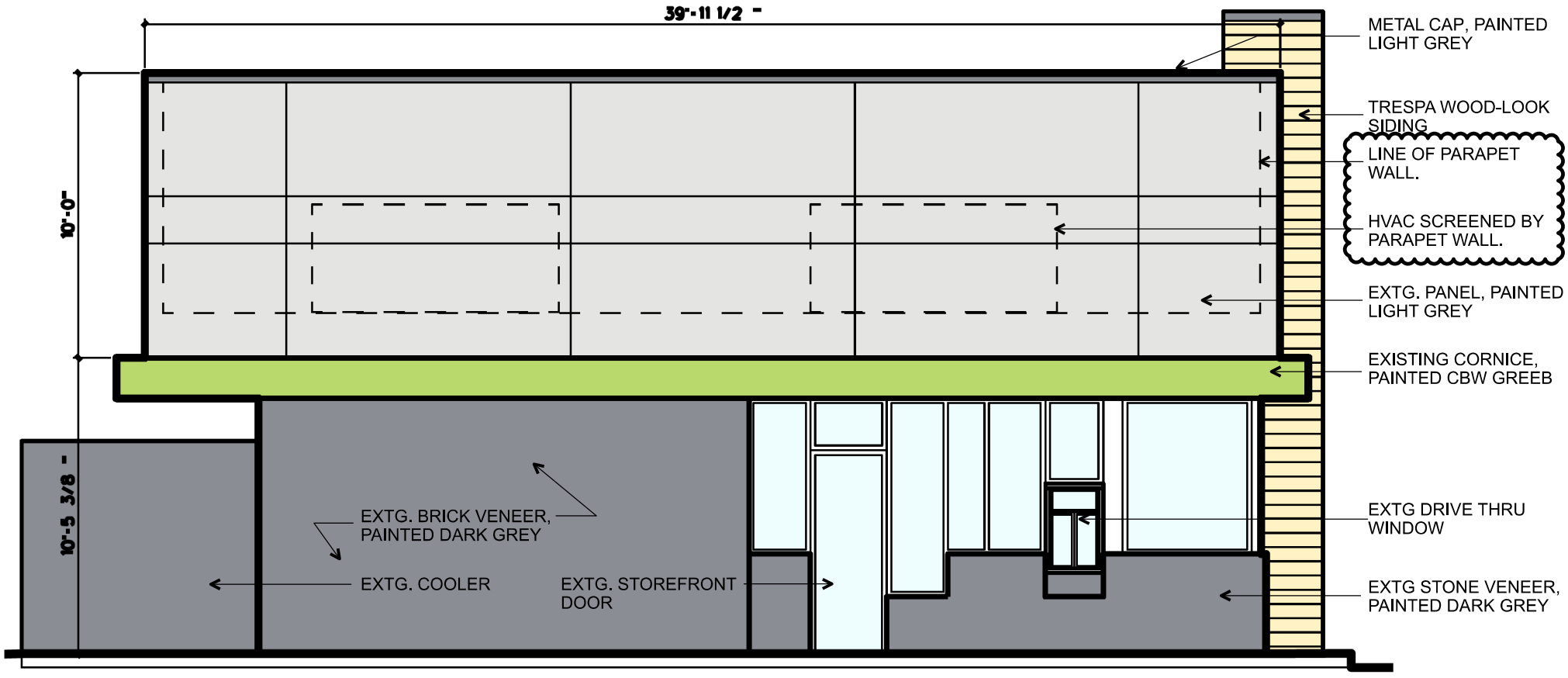
TAO LEE associates

CRAZY BOWLS & WRAPS

13435 OLIVE BOULEVARD, CHESTERFIELD

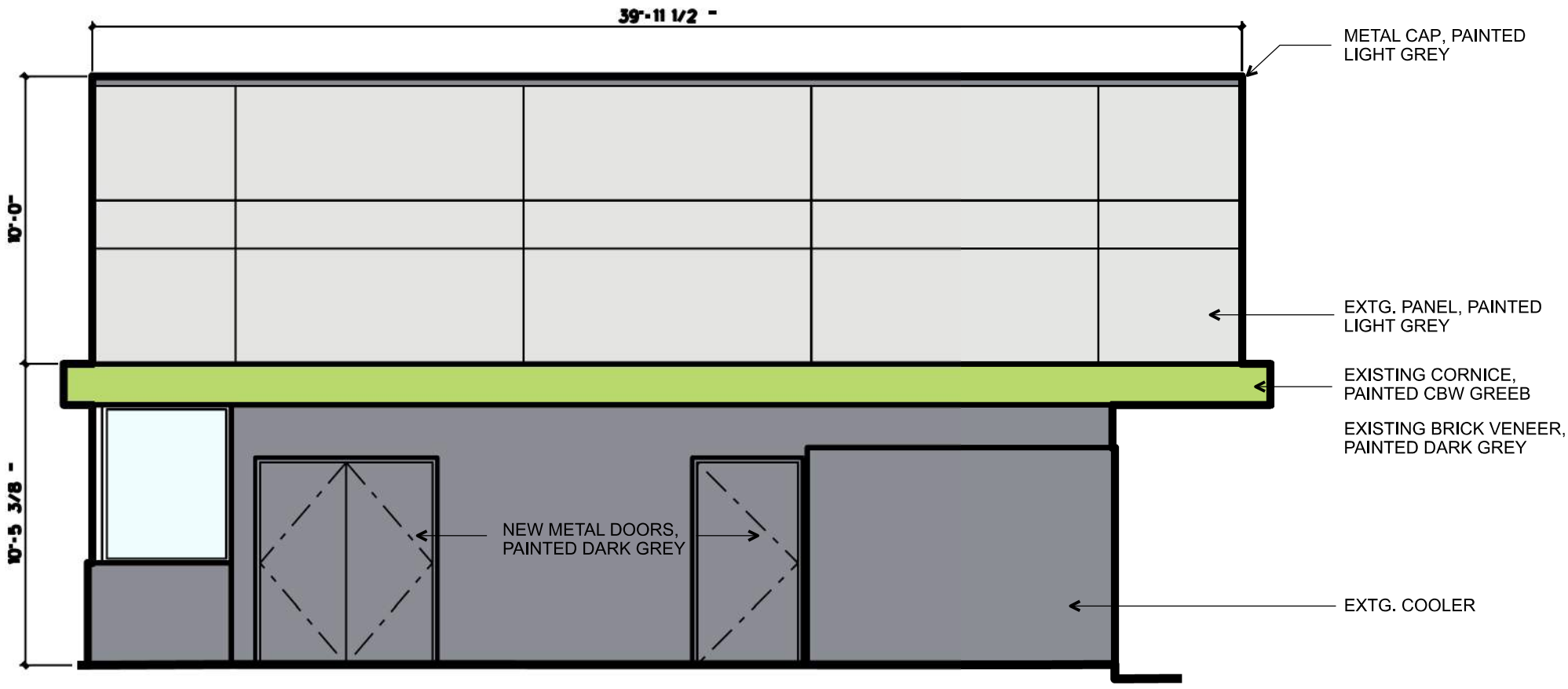
PROJ. NAME:	CRAZY BOWLS & WRAPS, CHESTERFIELD
PROJ. N0.:	674.27
DWG.:	ELEVATION
SCALE:	1/4" = 1'-0"
DATE:	4-21-2022

ARB3



2 WEST ELEVATION

1/4"=1'-0"



STATE OF MISSOURI
PETER KE-PING TAO
NUMBER A-6938
REGISTERED ARCHITECT
04-21-2022

1 NORTH ELEVATION

1/4"=1'-0"

TAO LEE associates

CRAZY BOWLS & WRAPS

13435 OLIVE BOULEVARD, CHESTERFIELD

PROJ. NAME:	CRAZY BOWLS & WRAPS, CHESTERFIELD
PROJ. N0.:	674.27
DWG.:	ELEVATION
SCALE:	1/4" = 1'-0"
DATE:	4-21-2022

ARB4

BUILDING TO NORTH OF PROPERTY

BUILDING TO WEST OF PROPERTY

BUILDING TO EAST OF PROPERTY

TAO LEE associates

CRAZY BOWLS & WRAPS

13435 OLIVE BOULEVARD, CHESTERFIELD

PROJ. NAME:	CRAZY BOWLS & WRAPS, CHESTERFIELD
PROJ. N0.:	674.27
DWG.:	AREA PHOTOS
SCALE:	NTS
DATE:	4–21–2022

ARB5

SOUTHWEST VIEW

NORTHWEST VIEW

NORTHEAST VIEW

SOUTH VIEW

TAO LEE associates

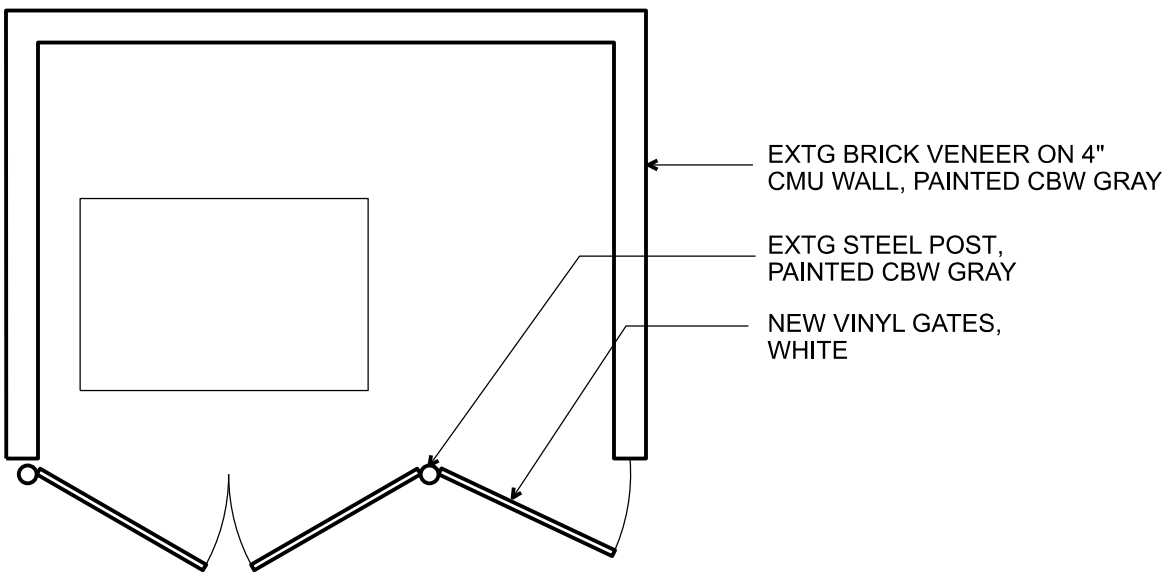
CRAZY BOWLS & WRAPS

13435 OLIVE BOULEVARD, CHESTERFIELD

PROJ. NAME:	CRAZY BOWLS & WRAPS, CHESTERFIELD
PROJ. N0.:	674.27
DWG.:	SITE PHOTOS
SCALE:	NTS
DATE:	4–21–2022

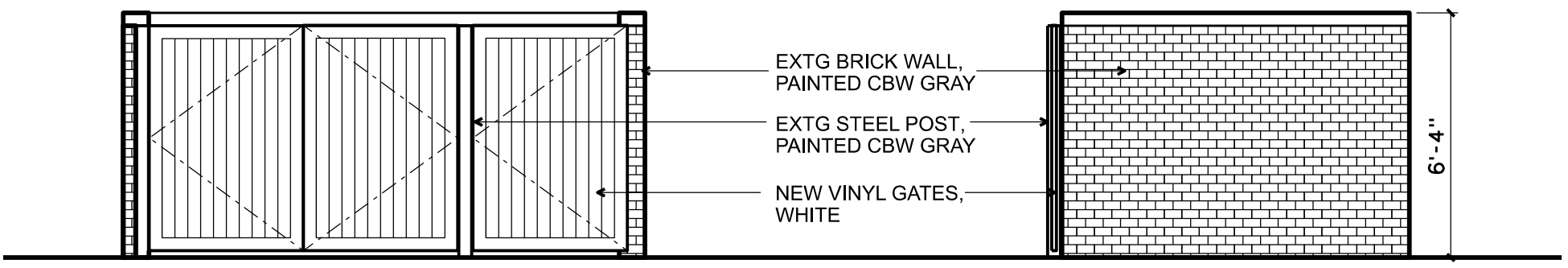
ARB6

PHOTO OF EXTG. TRASH ENCLOSURE



TRASH ENCLOSURE PLAN

1/4" = 1'–0"



WEST ELEVATION

1/4" = 1'–0"

SOUTH ELEVATION

1/4" = 1'–0"

TAO LEE associates

CRAZY BOWLS & WRAPS

13435 OLIVE BOULEVARD, CHESTERFIELD

PROJ. NAME: CRAZY BOWLS & WRAPS, CHESTERFIELD
PROJ. NO.: 674.27
DWG.: TRASH ENCLOSURE
SCALE: 1/4" = 1'–0"
DATE: 4–21–2022

ARB7

Lumiere

DESCRIPTION

Lanterra 9002-W1 (Up or Down) and 9002-W2 (Up and Down) are small 2.5" O.D., line voltage cylinder fixtures with dimmable LED. The luminiare comes in various mountings, surface mount with integral driver in the housing, remote driver mount with round and square wall plates and square wall integral driver, all of which can be mounted over standard 4 inch j-box. The luminaire also comes with various field replaceable optics. It also comes with various lens, louvers and colors 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.

Catalog #		Type
Project	CBW Clifton Heights	E-DI
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Material
Housing and hood 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* 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 the straight up position. The flush lens design reduces fixture length, minimizes debris collection and prevents water and mineral stains from collecting on the lens.

Gasket
Housing and hood are sealed with a high temperature silicone O-ring gasket to prevent water intrusion.

Lens
Tempered glass lens, factory sealed with high temperature silicone O-ring to prevent water intrusion and breakage due to thermal stock.

Hardware
Stainless steel hardware is standard to provide maximum corrosion resistance.

Electrical
Long life LED system coupled with electronic driver (120-277V/50-60Hz) is compatible with TRIAC (Leading Edge Dimming), ELV (Trailing Edge Dimming) and 0-10V dimming to deliver optical performance. Light can be dimmed from 100-1% while maintaining constant CCT. It will operate in -30°C to 50°C unless noted otherwise. The driver incorporates surge protection. LED's are available in 2700K, 3000K, 3500K at 90CRI and 97CRI, 4000K at 80CRI and 97CRI, 5000K at 80CRI and are industry leading high output with 86% lumen maintenance at 60,000hrs.

Compliance
Components are UL recognized and luminaires are cULus listed for 50˚C ambient environments unless noted otherwise, wet location listed, and ROHS* compliant. IP66 Rated. DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details.Options to meet Buy American Act requirements.

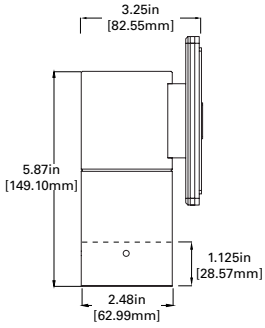
Warranty
Lumiere warrants the Lanterra series of fixtures against defects in material and workmanship for five (5) years. Auxiliary equipment such as LED drivers carries the original manufacturer's warranty.

Lanterra 9002

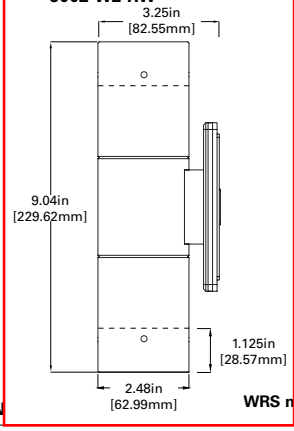
LED
INTERIOR / EXTERIOR
CYLINDER FLOOD LIGHT
CERTIFICATION DATA
cULus - 1598
Wet Location Listed - IP66
LM79/LM80 Compliant
ROHS* Compliant
10W LED, L70/90,000@ 25° Celcius

DIMENSIONS

9002-W1-RW

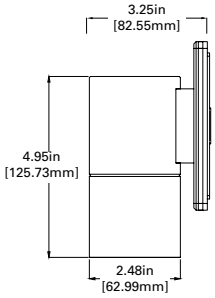


9002-W2-RW

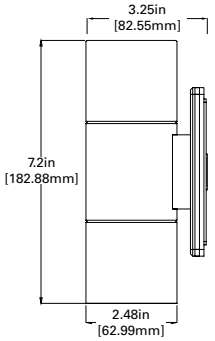


WRS mount shown

9002-W1-FL



9002-W2-FL



ORDERING INFORMATION

DOMESTIC PREFERENCES [6]	SERIES	DIRECTION	HOOD	LED CCT & CRI	FIELD REPLACEABLE OPTIC 1	FIELD REPLACEABLE OPTIC 2 [1]	FINISH [8]	LIGHT LEVEL	VOLTAGE	MOUNTING	OPTIONS
[Blank]=Standard **BAA**=Buy American Act	9002	W1 Up or Down W2 [4] Up and Down	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	S Spot M Medium F Flood W Wide Flood	S Spot M Medium F Flood W Wide Flood	**Standard Paint Finish** BK Black BZ Bronze CS City Silver WT White	L1 Light Level 1	UNV 120-277V	Surface Mount - Wall, Ceiling, Ground RSM Round Surface Mount- mounts directly to junction box Remote Driver Housing WRR[5] Remote Driver Housing - Round Wall Plate WRS[5] Remote Driver Housing - Square Wall Plate Integral Driver Mount WIS Wall Integral Driver Plate Thermal Limitations (unless otherwise noted 45C) 9002-(W1,W2)-xx-L1-xx-WIS (50C)	SVPD2[3] Stand-alone integral sensor

Notes: 1. Only available for double head option (W2)
2. Premium metal not available for RSM option
3. Only available for Single head, Up or down (W1) with RSM only.
4. W2 doubles input wattage listed with RSM only
5. Remote Driver up to 60'
6. Only product configurations with this designated prefix are built to be compliant with the Buy American Act of 1933 (BAA). Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
7. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
8. Consult factory for premium/natural metals material finish.
* ROHS Compliant - For Natural materials consult factory

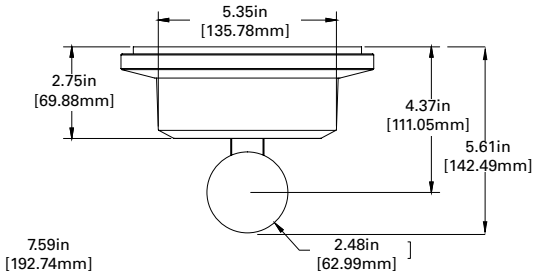
ACCESSORIES - ORDER SEPARATELY

ACCESSORIES [7]								OPTICS	
ISHH01LUM	Programming Remote for sensor	**Filters**		**Lens**		**Louver**		LLR-S-2	15° Spot
ISHH02LUM	Personal Control Remote for sensor	F71-2	Peach Dichroic	LSL-2	Linear Spread Lens	LVR-2	45° Hex Cell Louver	LLR-M-2	25° Medium
		F72-2	Amber Dichroic	DIF-2	Diffused Lens			LLR-F-2	40° Flood
		F73-2	Green Dichroic	OSL-2	Overall Spread Lens			LLR-W-2	55° Wide Flood
		F74-2	Medium Blue					LLR-K-2	Spot, Medium, Flood, Wide Flood kit
		F75-2	Yellow Dichroic						
		F76-2	Red Dichroic					LLR-F-LC-2	40° Flood color tuning optic
		F77-2	Dark Blue Dichroic					LLR-W-LC-2	55° Wide Flood color tuning optic
		F78-2	Light Blue Dichroic					LLR-K-LC-2	Flood, Wide Flood tuning optic kit
		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						

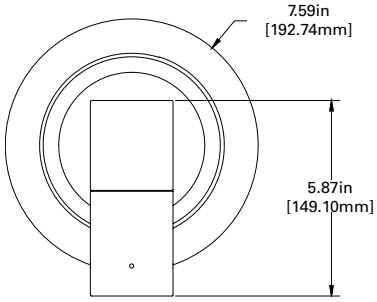
MOUNTINGS

ROUND SURFACE MOUNT (RSM)

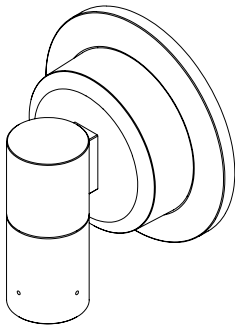
RSM-W1 (Up or down)



TOP VIEW



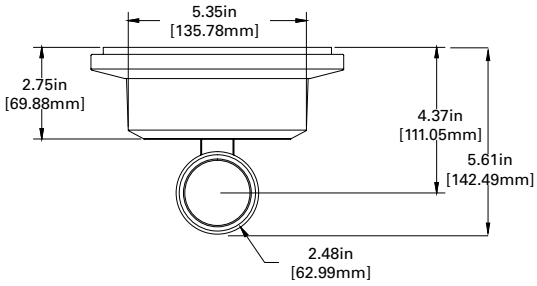
FRONT VIEW



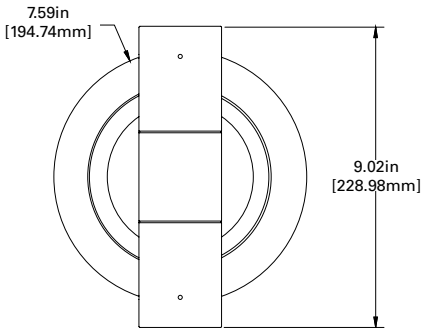
ISO VIEW

ROUND SURFACE MOUNT (RSM)

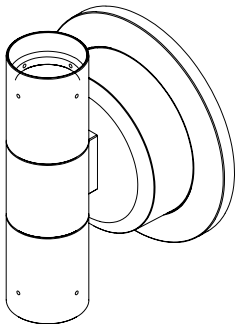
RSM-W2 (Up and down)



TOP VIEW



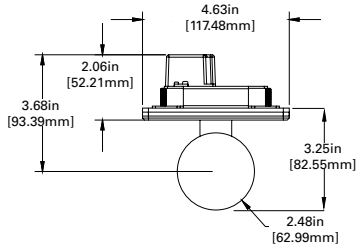
FRONT VIEW



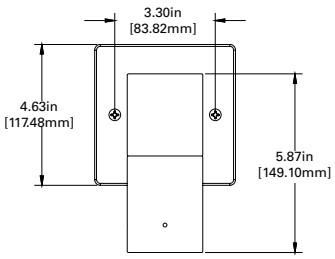
ISO VIEW

WALL INTEGRAL DRIVER PLATE (WIS)

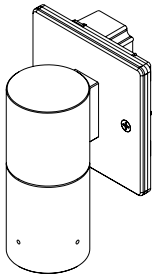
WIS-W1 (Up or down)



TOP VIEW



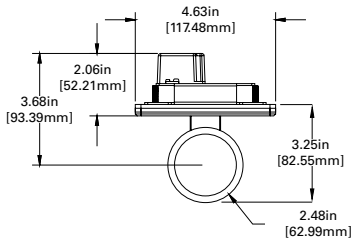
FRONT VIEW



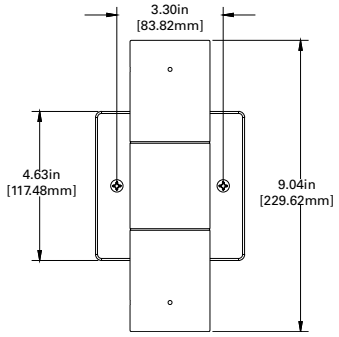
ISO VIEW

WALL INTEGRAL DRIVER PLATE (WIS)

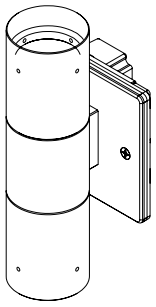
WIS-W2 (Up and down)



TOP VIEW



FRONT VIEW

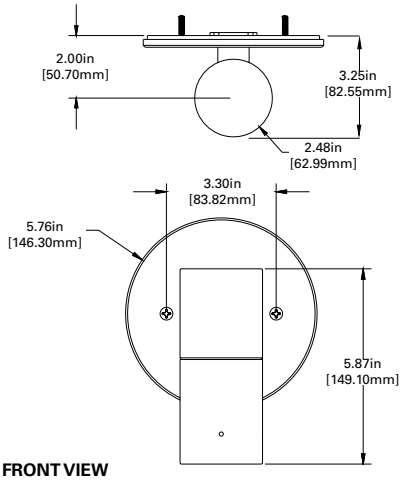


ISO VIEW

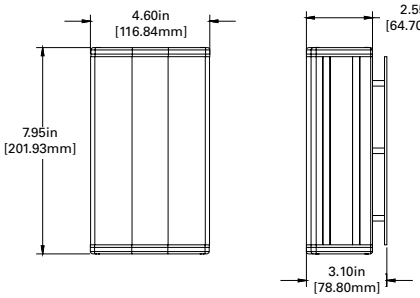
REMOTE DRIVER HOUSING ROUND WALL (WRR)

WRR-W1 (Up or down), as shown
WRS-W1 (Square option also available)

TOP VIEW

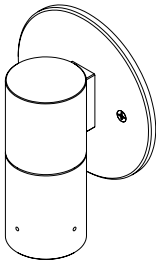


FRONT VIEW



Remote Driver distance up to 60'

REMOTE BOX

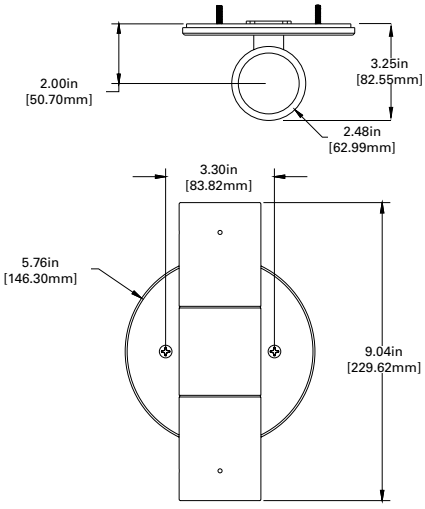


ISO VIEW

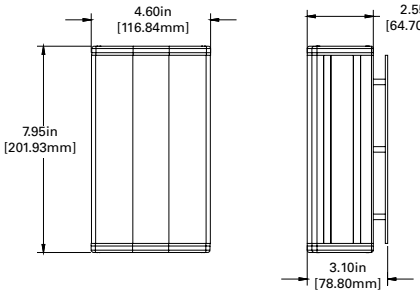
REMOTE DRIVER HOUSING ROUND WALL (WRR)

WRR-W2 (Up and down), as shown
WRS-W2 (Square option also available)

TOP VIEW

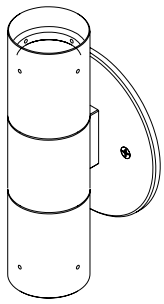


FRONT VIEW



Remote Driver distance up to 60'

REMOTE BOX



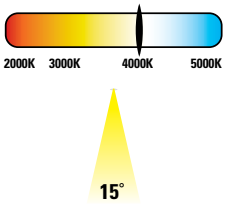
ISO VIEW

PHOTOMETRICS

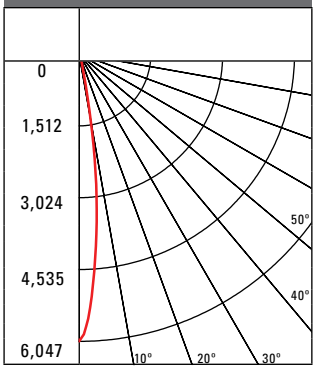
Test Number	P29421
Lumcat	9002-[A1, P1, S1, SU1, W1]-X-FL-LED4080-S-BK-L1-UNV
Lumens	458 Lm
Watts	10 W
LPW	45.8 Lm/W
CCT	4000K
SC (0/90/45)	0.24 / 0.24 / 0.24
Beam Angle	14°

COLOR METRIC SUMMARY

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



CANDLE POWER DISTRIBUTION



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

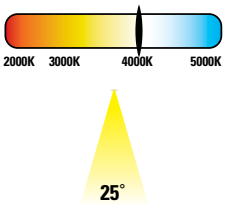
CANDELA TABLE

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

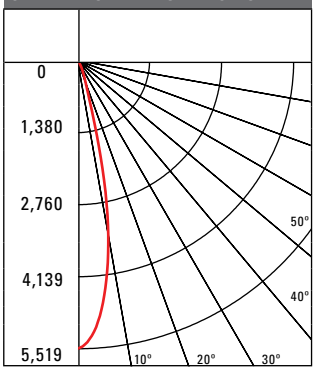
Test Number	P29422
Lumcat	9002-[W1]-X-FL-LED4080-M-BK-L1-UNV
Lumens	985 Lm
Watts	10 W
LPW	98.5 Lm/W
CCT	4000K
SC (0/90/45)	0.4 / 0.4 / 0.36
Beam Angle	23.1°

COLOR METRIC SUMMARY

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



CANDLE POWER DISTRIBUTION



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

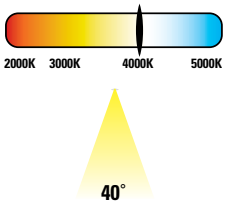
CANDELA TABLE

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

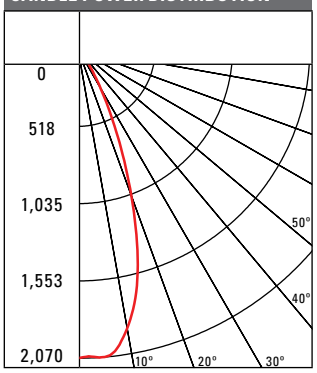
Test Number	P29423
Lumcat	9002-[W1]-X-FL-LED4080-F-BK-L1-UNV
Lumens	1015 Lm
Watts	10W
LPW	101.5 Lm/W
CCT	4000K
SC (0/90/45)	0.66 / 0.66 / 0.63
Beam Angle	40.3°

COLOR METRIC SUMMARY

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



CANDLE POWER DISTRIBUTION



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

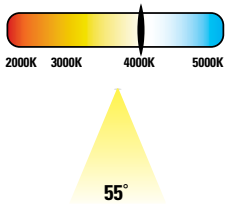
CANDELA TABLE

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

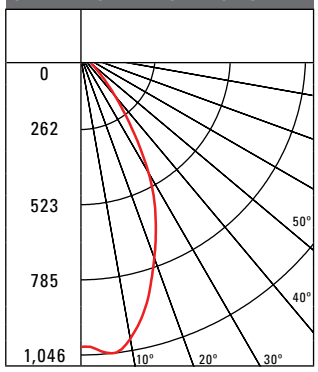
Test Number	P29424
Lumcat	9002-[W1]-X-FL-LED4080-W-BK-L1-UNV
Lumens	947 Lm
Watts	10 W
LPW	94.7 Lm/W
CCT	4000K
SC (0/90/45)	0.87 / 0.87 / 0.88
Beam Angle	57.1°

COLOR METRIC SUMMARY

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



CANDLE POWER DISTRIBUTION



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

Note: Photometric tables show lumen output for W1 only. For W2 (Up and Down) option, uplight and downlight both match lumen output as W1.

LUMEN TABLE

		9002-[W1] 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

	CCT/CRI	Rf	Rg	Ra	R9
9002	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

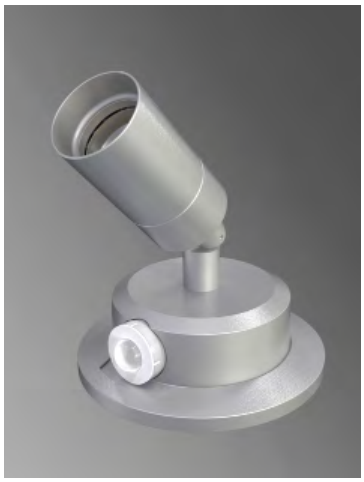
LUMEN MAINTENANCE

Ambient Tempurature	TM-21 Lumen Maintenance (60,000 Hours)	Theoretical L70 (Hours)
25°C, 40°C, 40°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)
W1	L1	0.08	0.03	10
	LC1	0.1	0.085	11.4
W2	L1	0.16	0.06	20
	LC1	0.2	0.17	22.8

INTEGRATED SENSOR - SVPD2



The Lanterra Cylinder 9002 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 Cylinder 9002 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 Cylinder 9002 delivers automatic ON to an energy saving light level, while ensuring lighting is turned OFF when the space is unoccupied.

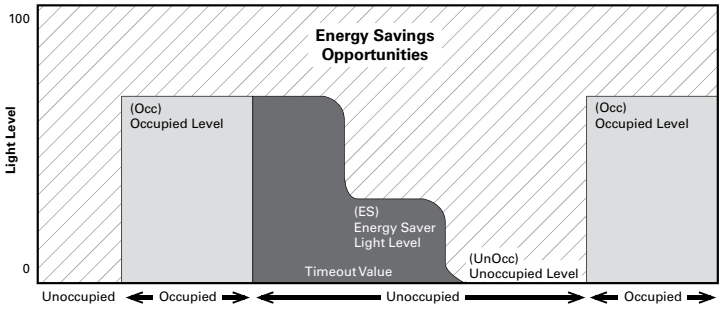
The SVPD2 sensor is configured for outdoor use, so the integral daylight sensor will enable the luminaire to automatically adjust to daylight conditions by turning off when sufficient sunlight is present. Consult factory for indoor configuration.

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 Cylinder 9002 with Integrated Sensor is easy to install with no special wiring and ensures energy savings out-of-the-box with default control settings.

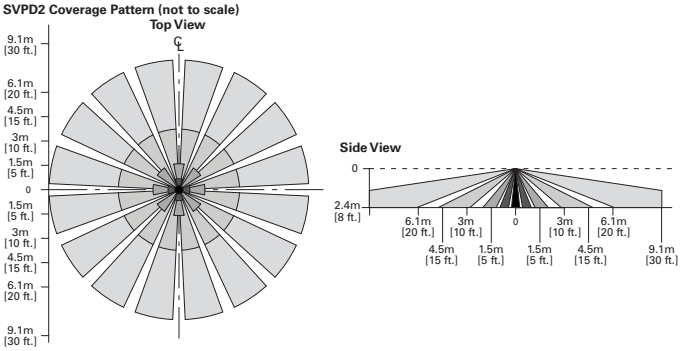
HOW IT WORKS

- 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.

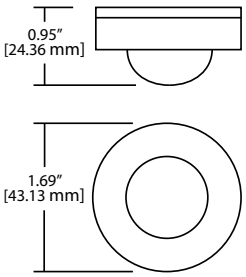


Coverage

SVPD2 Coverage Pattern (not to scale)



Sensor Dimensions



Optional Remote Controls

ISHH01LUM Programming Remote

ISHH02LUM Personal Control Remote