City of Southaven
Office of Planning and Development
Subdivision Staff Report

Date of Hearing:	May 20, 2024
Public Hearing Body:	Planning Commission
Applicant:	Timothy Floyd 3898 Davis Road Southaven, MS 38671 662-322-6173
Total Acreage:	7.54 acres
Existing Zone:	Agricultural (AG)
Location of Subdivision Application	East side of Davis Road, south of Church Road
Comprehensive Plan Designation:	Low Density residential

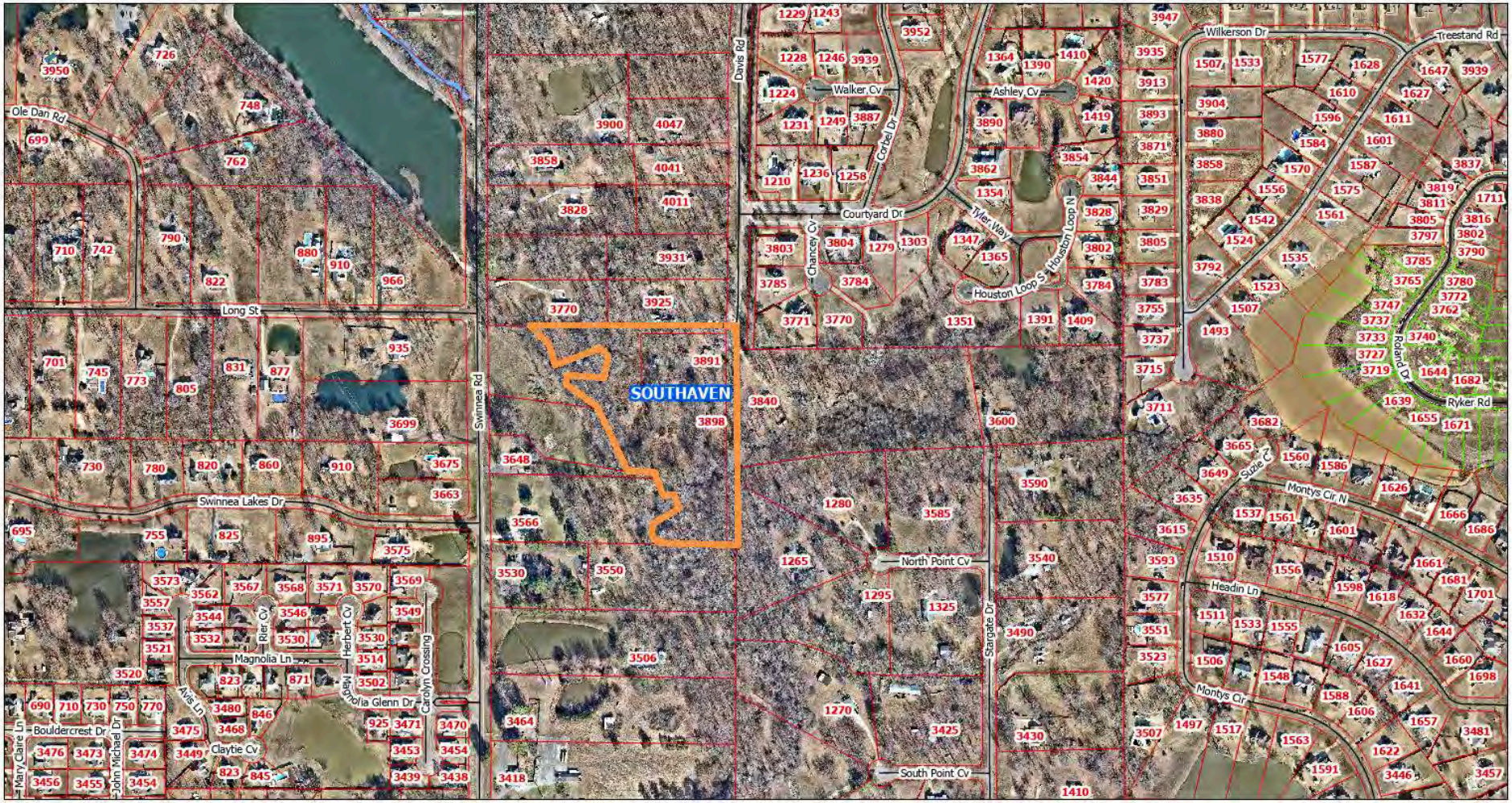
Staff Comments:

The applicant is requesting subdivision approval to revise lots 8a and 8b of the Gill North Subdivision on the east side of Davis Road, south of Church Road. The existing plat shows lot 8a with 1.5 acres and lot 8b with 6.05 acres. The owner of lot 8b is wanting to purchase additional land from the owner of lot 8a which is on the rear of the existing lot. There are no changes to the accessibility or road access with this request. The revision would allow lot 8a to retain 0.77 acres and lot 8b would increase to 6.77 acres. Additionally, there is dedicated ROW shown as Old Tchulahoma Road that had been given to the city prior to this application. The road has never been built out and there is no intentions to extend the road; therefore, the city will grant the ROW back over to the property owners of both lot 8a and lot 8b before the platting of this revision.

Staff Recommendations:

Staff has no comments and recommends approval as submitted.

ArcGIS Web Map



5/2/2024, 10:37:57 AM

1:5,135

0 0.05 0.1 0.2 mi

0 0.07 0.15 0.3 km

6/24/2020 3:32:52 PM
DK S BK 132 PG 19-20
DESOTO COUNTY, MS
Misty Heffner
CHANCERY CLERK

OWNER'S CERTIFICATE

I/WE, June Clarkson OWNER OR AUTHORIZED REPRESENTATIVE OF THE OWNER OF THE PROPERTY, HEREBY ADOPT THIS AS MY/OUR PLAN OF SUBDIVISION AND DEDICATE THE RIGHT-OF-WAY FOR THE USE OF ROADS AND UTILITY EASEMENTS AS SHOWN ON THE PLAT OF THE SUBDIVISION TO THE CITY OF OLIVE BRANCH, MISSISSIPPI, FOR THE PUBLIC USE FOREVER. I CERTIFY THAT I AM THE OWNER IN FEE SIMPLE OF THE PROPERTY AND THAT NO TAXES HAVE BECOME DUE AND PAYABLE. THIS THE 8 DAY OF June, 2020

June Clarkson
SIGNATURE OF OWNER OR AUTHORIZED REPRESENTATIVE

NOTARY'S CERTIFICATE

STATE OF MS
COUNTY OF DeSoto

PERSONALLY APPEARED BEFORE ME THE UNDERSIGNED AUTHORITY IN AND FOR SAID COUNTY AND STATE, ON THE 8th DAY OF June, 2020 WITHIN MY JURISDICTION, THE WITHIN NAMED June Clarkson, WHO ACKNOWLEDGED THAT HE/SHE EXECUTED THE ABOVE AND FOREGOING CERTIFICATE, FOR THE PURPOSE THEREIN MENTIONED.

NOTARY PUBLIC 4-16-2023 MY COMMISSION EXPIRES

MORTGAGEE'S CERTIFICATE (IF APPLIES)

_____, MORTGAGEE OF THE PROPERTY HEREON, HEREBY ADOPT THIS AS OUR PLAN OF SUBDIVISION AND DEDICATE THE RIGHT-OF-WAY FOR THE ROADS AND UTILITY ASEMENTS AS SHOWN ON THE PLAT TO THE CITY OF OLIVE BRANCH, MISSISSIPPI, FOR PUBLIC USE FOREVER. I CERTIFY THAT I AM THE MORTGAGEE IN FEE SIMPLE OF THE PROPERTY AND THAT NO TAXES HAVE BECOME DUE AND PAYABLE, THIS THE _____DAY OF _____, 20___.

BY:_____ _____ TITLE: _____

NOTARY'S CERTIFICATE (CORPORATE/FINANCIAL INSTITUTION)

PERSONALLY APPEARED BEFORE ME, THE UNDERSIGNED AUTHORITY IN AND FOR THE SAID COUNTY AND STATE, ON THE _____ DAY OF _____, 20___, WITHIN MY JURISDICTION, THE WITHIN NAMED _____, WHO ACKNOWLEDGED THAT THE/SHE IS _____ OF _____, AND THAT FOR AND ON BEHALF OF THE SAID CORPORATION, AND AS ITS ACT AND DEED HE/SHE EXECUTED THE ABOVE AND FOREGOING CERTIFICATE, AFTER FIRST HAVING BEEN DULY AUTHORIZED BY SAID CORPORATION SO TO DO.

_____ _____ MY
COMMISSION EXPIRES NOTARY PUBLIC

CERTIFICATE OF SURVEY

THIS IS TO CERTIFY THAT I HAVE DRAWN THIS SUBDIVISION SHOWN HEREON AND THAT THE PLAT OF SAME IS ACCURATELY DRAWN FROM INFORMATION FROM A GROUND SURVEY BY ME.

_____ 6/1/2020
SURVEYOR DATE

CITY OF SOUTHAVEN CERTIFICATES

CITY OF SOUTHAVEN PLANNING COMMISSION

APPROVED BY THE CITY OF SOUTHAVEN, DESOTO COUNTY, MISSISSIPPI, PLANNING COMMISSION ON THIS THE 27 DAY OF August, 2018.

CHAIRPERSON

ATTEST

SOUTHAVEN MAYOR AND BOARD OF ALDERMAN

APPROVED BY THE MAYOR AND BOARD OF ALDERMAN OF THE CITY OF SOUTHAVEN, DESOTO COUNTY, MISSISSIPPI, ON THIS THE 4 DAY OF September, 2018.

MINUTE BOOK _____ PAGE _____

MAYOR

CITY CLERK

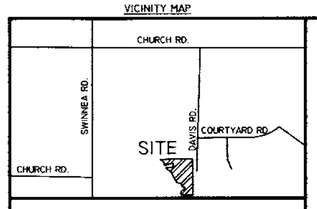
STATE OF MISSISSIPPI
COUNTY OF DESOTO

I HEREBY CERTIFY THAT THE SUBDIVISION PLAT SHOWN HEREON WAS FILED FOR RECORD IN MY OFFICE AT 3:32 O'CLOCK P .M., ON THE 24th DAY OF June, 2020 AND WAS IMMEDIATELY ENTERED UPON THE PROPER INDEX AND DULY RECORDED WITH PLAT BOOK NUMBER 132, PAGE 19-20.

Misty Heffner Chancery Clerk
CHANCERY COURT by KMccoy DC

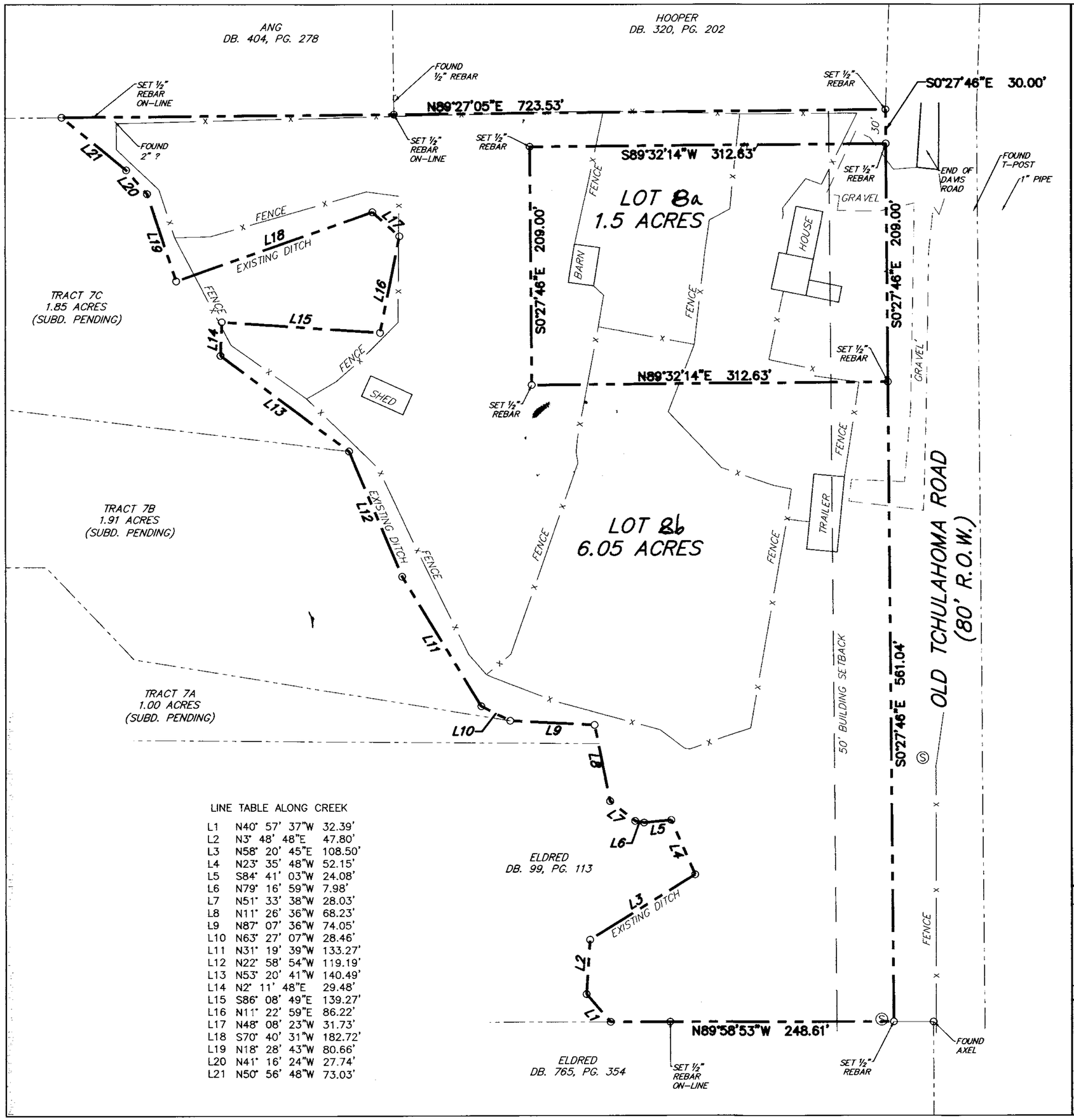
SURVEY DATA:
CLASS OF SURVEY: CLASS 'B' SURVEY
DRAWING DATE: JULY 19, 2018
FIELD SURVEY DATE: JULY 11, 2018
REFERENCE MATERIAL: PLAT BOOK 8, PAGE 30

VICINITY MAP



PREPARED BY:
Civil Link
5779 GETWELL RD, BLDG B
SOUTHAVEN, MS 38672
OFFICE: 662-510-2189

REVISION OF LOT 8
GILL SUBDIVISION
NORTH ADDITION.
PB. 8, PG. 30
LOCATED IN SECTION 17
TOWNSHIP 2 SOUTH RANGE 7 WEST
IN THE CITY OF SOUTHAVEN,
DESOTO COUNTY, MISSISSIPPI
JULY 2018
LOTS: 2
PREPARED FOR
JUNE CLARKSON
3891 DAVIS RD.
SOUTHAVEN, MS 38672



LINE TABLE ALONG CREEK

L1	N40° 57' 37"W	32.39'
L2	N3° 48' 48"E	47.80'
L3	N58° 20' 45"E	108.50'
L4	N23° 35' 48"W	52.15'
L5	S84° 41' 03"W	24.08'
L6	N79° 16' 59"W	7.98'
L7	N51° 33' 38"W	28.03'
L8	N11° 26' 36"W	68.23'
L9	N87° 07' 36"W	74.05'
L10	N63° 27' 07"W	28.46'
L11	N31° 19' 39"W	133.27'
L12	N22° 58' 54"W	119.19'
L13	N53° 20' 41"W	140.49'
L14	N2° 11' 48"E	29.48'
L15	S86° 08' 49"E	139.27'
L16	N11° 22' 59"E	86.22'
L17	N48° 08' 23"W	31.73'
L18	S70° 40' 31"W	182.72'
L19	N18° 28' 43"W	80.66'
L20	N41° 16' 24"W	27.74'
L21	N50° 56' 48"W	73.03'

GRAPHIC SCALE: 1" = 60'

60 0 60

BEARINGS REFERENCED TO THE MISSISSISSIPPI STATE PLANE COORDINATE SYSTEM, WEST ZONE, NAD83, GEOID 12A BY RTK GPS OBSERVATION AT THE * FOUND AXEL TO THE EAST OF THE SOUTHEAST CORNER OF SUBJECT PROPERTY
SCALE FACTOR: 0.99996365
COMBINED FACTOR: -999.0000
CONVERGENCE ANGLE: 0°12'30"

SURVEY DATA:
CLASS OF SURVEY: CLASS 'B' SURVEY
DRAWING DATE: JULY 19, 2018
FIELD SURVEY DATE: JULY 11, 2018
REFERENCE MATERIAL: PLAT BOOK 8, PAGE 30

GENERAL NOTES:
1. All title information referenced hereon was from researcher done by the surveyor. No Title search was provided.

2. The subject property has access to Davis Road to the east. All of the roads listed are public roads maintained by the City Of Southaven, Desoto County and/or the State of Mississippi.

3. On the date of this survey, there was no visible evidence of earth moving work, building construction or building additions within recent months.

4. Surveyor is unaware of any changes in street right-of-way lines, either completed or proposed.

5. On the date of this survey, there was no observable evidence of site used as a solid waste dump, sump or sanitary landfill.

6. There is one house, a trailer, a barn and one shed on this property as shown.

7. All field measurements matched record dimensions within the precision requirements of Mississippi Standards of Practice for Land Surveying.

8. There may be underground or non-visible utilities drain and/or sewer lines across this property that are not shown. The proper utility authorities should be contacted for more specific locations and information on underground utilities.

9. This property is partially in a flood zone according to the Desoto County, Mississippi GIS map.

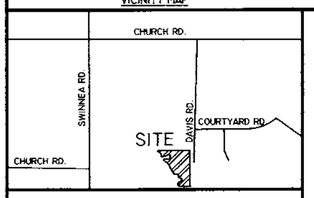
- SEWER MANHOLE
- FIRE HYDRANT
- WATER VALVE
- POWER POLE
- LIGHT POLE
- 1/2" IRON ROD FOUND
- 1/2" X 18" IRON ROD SET WITH CAP BEARING "CIVIL-LINK"

P.O.B. = POINT OF BEGINNING
P.O.C. = POINT OF COMMENCEMENT
R/W = RIGHT OF WAY
IRF= IRON ROD FOUND
IRS = IRON ROD SET (½"X18")
DB = DEED BOOK
PB = PLAT BOOK
PG = PAGE

SMH= SEWER MANHOLE
DMH= DRAIN MANHOLE
CO= CLEANOUT
WM= WATER METER
PP= POWER POLE
TPED= TELEPHONE PEDESTAL
IN= INLET
LP= LIGHT POLE
CONC.= CONCRETE
TRANS= TRANSFORMER
FH= FIRE HYDRANT
WV= WATER VALVE
U.E.=UTILITY EASEMENT

PROPERTY LINE
BUILDING SETBACK
OVERHEAD UTILITY
FENCE
UTILITY EASEMENT
GRAVEL *CONCRETE*

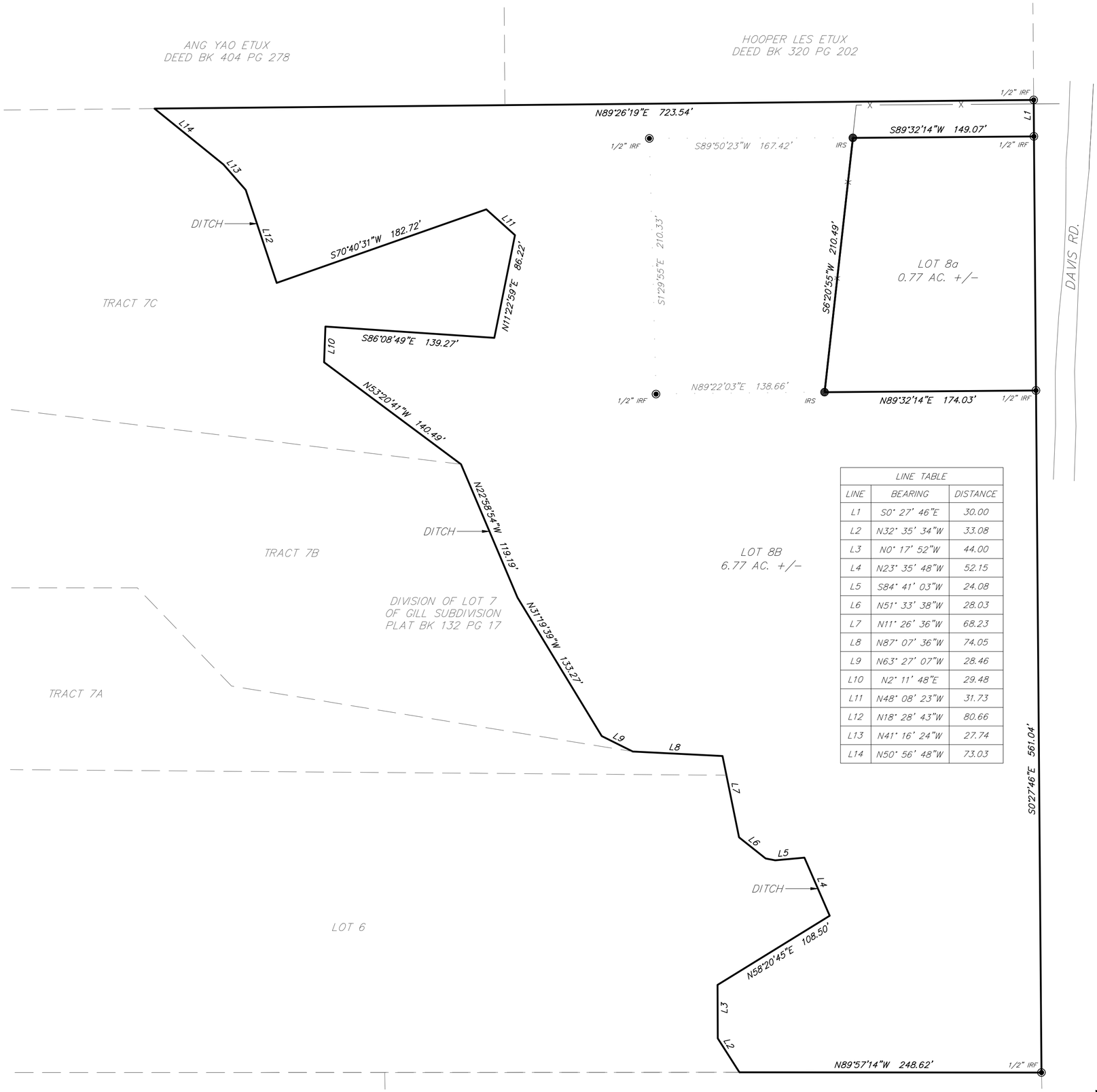
VICINITY MAP



PREPARED BY:
Civil Link
5779 GETWELL RD, BLDG B
SOUTHAVEN, MS 38672
OFFICE: 662-510-2169

REVISION OF LOT 8 GILL SUBDIVISION NORTH ADDITION. PB. 8, PG. 30

LOCATED IN SECTION 17
TOWNSHIP 2 SOUTH RANGE 7 WEST
IN THE CITY OF SOUTHAVEN,
DESOTO COUNTY, MISSISSIPPI
JULY 2018
Lots: 2
PREPARED FOR
JUNE CLARKSON
3891 DAVIS RD.
SOUTHAVEN, MS 38672



LINE TABLE		
LINE	BEARING	DISTANCE
L1	S0° 27' 46"E	30.00
L2	N32° 35' 34"W	33.08
L3	N0° 17' 52"W	44.00
L4	N23° 35' 48"W	52.15
L5	S84° 41' 03"W	24.08
L6	N51° 33' 38"W	28.03
L7	N11° 26' 36"W	68.23
L8	N87° 07' 36"W	74.05
L9	N63° 27' 07"W	28.46
L10	N2° 11' 48"E	29.48
L11	N48° 08' 23"W	31.73
L12	N18° 28' 43"W	80.66
L13	N41° 16' 24"W	27.74
L14	N50° 56' 48"W	73.03

N
W E
S

GRAPHIC SCALE

0 60' 120'

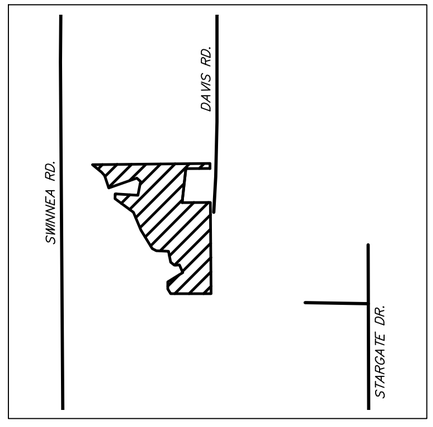
(IN FEET)
1" = 60'

LEGEND

- SUBJECT PROPERTY LINE
- ADJACENT PROPERTY LINE
- EDGE OF PAVEMENT
- FENCE LINE

SURVEY SYMBOLS

- IRF IRON REBAR FOUND
- IRS 1/2"X18" REBAR SET W/CAP



VICINITY MAP
Not To Scale

CHRISTOPHER SHEA SKEEN
LICENSED PROFESSIONAL
ENGINEER AND SURVEYOR
PE-15162
PS-2903
STATE OF MISSISSIPPI
4/30/2024

PAGE 1 OF 2

SECOND REVISION OF LOT 8 OF GILL SUBDIVISION
LOCATED IN S17, T2S, R7W, DESOTO COUNTY, MS

SCALE : 1" = 60'	CLIENT: FLOYD, TIM	DWG DATE: 04/30/2024
SURVEY CLASS : "C"		SURV DATE: 04/23/2024

CHRISTOPHER SHEA SKEEN, PE, PS

REF. MATL. : PLAT BOOK: 132 PAGE: 19	NORTH REF. : GRID NORTH MS WEST SPCS NAD 83 GCGC RTK NETWORK
PATH : C:\Users\sheas\Skeen Engineering Dropbox\Projects\24-045 Floyd, Tim\dwg\24-045LOT 8 MINOR LOT.dwg	PROJ. NUM. 24-045

Skeen Engineering
Civil Engineering | Land Surveying
P.O. Box 590 · Hernando, MS 38632
(662) 721-2772 | skeenengineering.com

WE, _____, _____, _____, & _____ OWNERS OR AUTHORIZED REPRESENTATIVES OF THE OWNER OF THE PROPERTY, HEREBY ADOPT THIS AS MY PLAN OF SUBDIVISION AND DEDICATE THE RIGHTS-OF-WAY FOR THE ROADS AS SHOWN HEREON TO THE PUBLIC USE FOREVER, AND RESERVE FOR THE PUBLIC UTILITIES THE UTILITY EASEMENTS AS SHOWN ON THE PLAT. I CERTIFY THAT I AM THE OWNER IN FEE SIMPLE OF THE PROPERTY AND THAT NO TAXES HAVE BECOME DUE AND PAYABLE. THIS THE _____ DAY OF _____ 20___.

_____ _____

_____ _____

OWNERS OR REPRESENTATIVE

NOTARY'S CERTIFICATE

STATE OF MISSISSIPPI
COUNTY OF DESOTO

PERSONALLY APPEARED BEFORE ME, THE UNDERSIGNED AUTHORITY IN AND FOR SAID COUNTY AND STATE, THE WITHIN NAMED _____, WHO ACKNOWLEDGED THAT HE/SHE SIGNED AND DELIVERED THE FOREGOING PLAT FOR THE PURPOSE THEREIN MENTIONED. GIVE UNDER MY HAND AND OFFICIAL SEAL OF OFFICE THIS DAY OF _____, 20___.

_____
NOTARY PUBLIC

APPROVED BY THE SOUTHAVEN PLANNING COMMISSION ON THIS THE _____ DAY OF _____, 20___.

_____
CHAIRMAN OF PLANNING COMMISSION

ATTEST:

_____
SECRETARY OF PLANNING COMMISSION

MORTGAGEE'S CERTIFICATE

_____, MORTGAGEE OF THE PROPERTY HEREON, HEREBY ADOPT THIS AS OUR PLAN OF SUBDIVISION AND DEDICATE THE RIGHT OF WAY FOR THE ROADS AS SHOWN ON THE PLAT OF THE SUBDIVISION TO THE PUBLIC USE FOREVER AND RESERVE FOR THE PUBLIC UTILITIES THE UTILITY EASEMENTS AS SHOWN ON THE PLAT. I CERTIFY THAT I AM THE MORTGAGEE IN FEE SIMPLE OF THE PROPERTY AND THAT NO TAXES HAVE BECOME DUE AND PAYABLE THIS THE __ DAY OF _____, 20__

NOTARY'S CERTIFICATE

STATE OF MISSISSIPPI
COUNTY OF DESOTO

PERSONALLY APPEARED BEFORE ME, THE UNDERSIGNED AUTHORITY IN AND FOR SAID COUNTY AND STATE, THE WITHIN NAMED _____, WHO ACKNOWLEDGED THAT HE/SHE SIGNED AND DELIVERED THE FOREGOING PLAT FOR THE PURPOSE THEREIN MENTIONED. GIVE UNDER MY HAND AND OFFICIAL SEAL OF OFFICE THIS DAY OF _____, 20___.

_____
NOTARY PUBLIC

APPROVED BY THE MAYOR AND BOARD OF ALDERMEN OF THE CITY OF SOUTHAVEN ON THIS THE _____ DAY OF _____, 20___.

_____
MAYOR OF SOUTHAVEN

ATTEST:

_____
CITY CLERK OF SOUTHAVEN

I HEREBY CERTIFY THAT THE SUBDIVISION PLAT SHOWN HEREON WAS FILED FOR RECORD IN MY OFFICE AT _____ O'CLOCK __M., ON THE _____ DAY OF _____, 20___ AND WAS IMMEDIATELY ENTERED UPON THE PROPER INDEXES AND DULY RECORDED IN PLAT BOOK _____ AT PAGE _____.

_____
CHANCERY COURT

CERTIFICATE OF SURVEYOR

THIS IS TO CERTIFY THAT I HAVE DRAWN THIS SUBDIVISION SHOWN HEREON AND THE PLAT OF SAME IS ACCURATELY DRAWN FROM INFORMATION FROM A GROUND SURVEY BY ME OR UNDER MY DIRECT SUPERVISION.

_____
SURVEYOR

CHRISTOPHER SHEA SKEEN
LICENSED PROFESSIONAL
ENGINEER AND SURVEYOR
PE-15162
PS-2903
STATE OF MISSISSIPPI
4/30/2024

SECOND REVISION OF LOT 8 OF GILL SUBDIVISION
LOCATED IN S17, T2S, R7W, DESOTO COUNTY, MS

SCALE : 1" = 60'	CLIENT: FLOYD, TIM	DWG DATE: 04/30/2024
SURVEY CLASS : "C"		SURV DATE: 04/23/2024

CHRISTOPHER SHEA SKEEN, PE, PS

REF. MATL. : PLAT BOOK: 132 PAGE: 19	NORTH REF. : GRID NORTH MS WEST SPCS NAD 83 GCGC RTK NETWORK
PATH : C:\Users\sheas\Skeen Engineering Dropbox\Projects\24-045 Floyd, Tim\dwg\24-045LOT 8 MINOR LOT.dwg	PROJ. NUM. 24-045

Skeen Engineering
Civil Engineering | Land Surveying
P.O. Box 590 · Hernando, MS 38632
(662) 721-2772 | skeenengineering.com

City of Southaven
Office of Planning and Development
Subdivision Staff Report

Date of Hearing:	May 20, 2024
Public Hearing Body:	Planning Commission
Applicant:	Carlisle Development Company, LLC 1 MLK Blvd. Suite 130 Memphis, TN 38130 901-500-5074
Total Acreage:	2.22 acres
Existing Zone:	Planned Unit Development (Ross Family)
Location of Subdivision Application	South side of Church Road east of Hwy. 51
Comprehensive Plan Designation:	Commercial

Staff Comments:

The applicant is requesting subdivision approval to revise lot 2c of the Civic Center Commercial Subdivision Phase 1 on the south side of Church Road. The existing lot encompasses 2.22 acres and is broken up into two segments separated by Pepperchase Drive. The application simply takes these two segments and makes them their own individual lots which would allow lot 2c to remain on the west side of the road and encompass 1.09 acres and the new lot 2d would be the segment on the east side of the road which would encompass 0.96 acres. There are no further requests with this application.

Staff Recommendations:

Staff sees this application as a clean-up to the existing subdivision. It is not preferrable to have a fragmented lot such as this so the proposed revision allowing them to become individual lots makes sense. Staff has no comments and recommends approval as submitted.

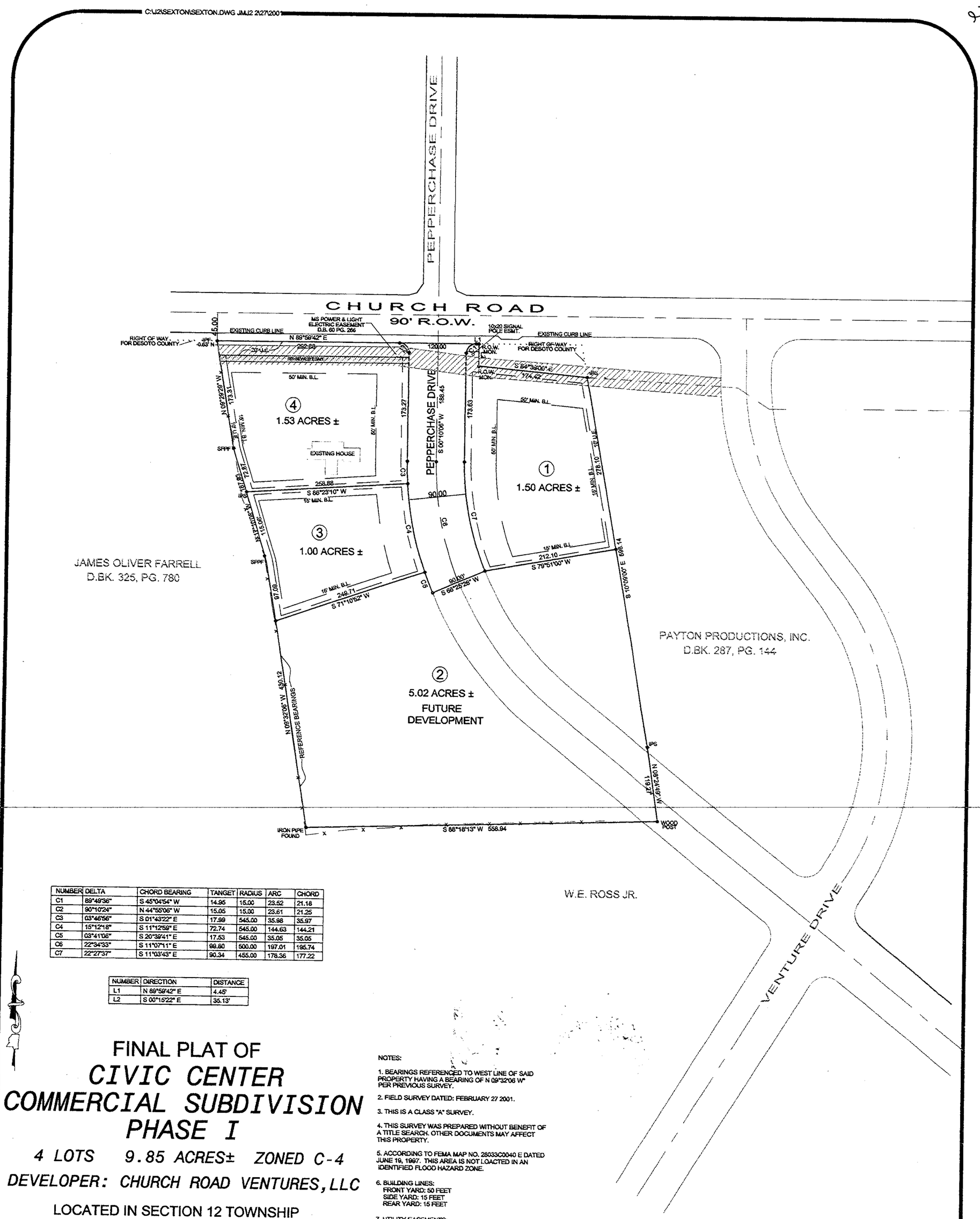
ArcGIS Web Map

5/2/2024, 10:43:08 AM

1:5,135

0 0.05 0.1 0.2 mi

0 0.07 0.15 0.3 km



NUMBER	DELTA	CHORD BEARING	TANGET	RADIUS	ARC	CHORD
C1	89°49'36"	S 45°04'54" W	14.95	15.00	23.52	21.18
C2	90°10'24"	N 44°55'06" W	15.05	15.00	23.61	21.25
C3	03°46'56"	S 01°43'22" E	17.99	545.00	35.98	35.97
C4	15°12'18"	S 11°12'59" E	72.74	545.00	144.63	144.21
C5	03°41'06"	S 20°39'41" E	17.53	545.00	35.05	35.05
C6	22°34'33"	S 11°07'11" E	99.80	500.00	197.01	195.74
C7	22°27'37"	S 11°03'43" E	90.34	455.00	178.36	177.22

NUMBER	DIRECTION	DISTANCE
L1	N 89°59'42" E	4.45'
L2	S 00°15'22" E	35.13'

FINAL PLAT OF
CIVIC CENTER COMMERCIAL SUBDIVISION PHASE I

4 LOTS 9.85 ACRES± ZONED C-4

DEVELOPER: CHURCH ROAD VENTURES, LLC

LOCATED IN SECTION 12 TOWNSHIP
2 SOUTH RANGE 8 WEST
CITY OF SOUTHAVEN
DESOTO COUNTY, MISSISSIPPI

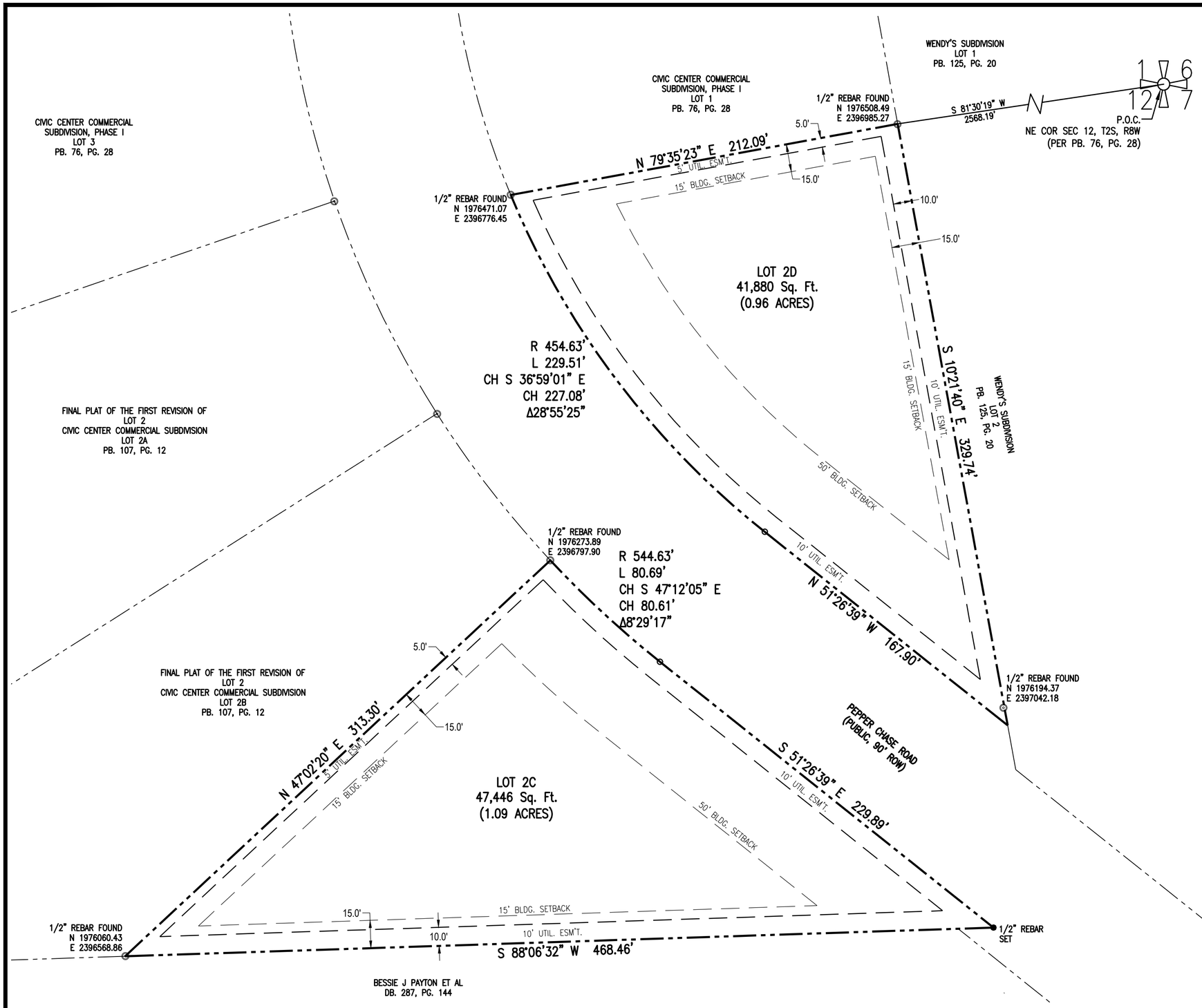
100 50 0 100 200 300

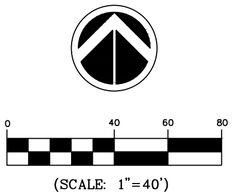
SCALE IN FEET

NOTES:

1. BEARINGS REFERENCED TO WEST LINE OF SAID PROPERTY HAVING A BEARING OF N 09°32'06 W" PER PREVIOUS SURVEY.
2. FIELD SURVEY DATED: FEBRUARY 27 2001.
3. THIS IS A CLASS "A" SURVEY.
4. THIS SURVEY WAS PREPARED WITHOUT BENEFIT OF A TITLE SEARCH. OTHER DOCUMENTS MAY AFFECT THIS PROPERTY.
5. ACCORDING TO FEMA MAP NO. 28033C0040 E DATED JUNE 19, 1997. THIS AREA IS NOT LOACTED IN AN IDENTIFIED FLOOD HAZARD ZONE.
6. BUILDING LINES:
   FRONT YARD: 50 FEET
   SIDE YARD: 15 FEET
   REAR YARD: 15 FEET
7. UTILITY EASEMENTS:
   FRONT: 10 FEET
   SIDE: 5 FEET
   REAR: 10 FEET
8. ANY CURB CUTS MUST BE APPROVED BY THE CITY OF SOUTHAVEN PRIOR TO CONSTRUCTION.

JONES-DAVIS & ASSOCIATES, INC.
CONSULTING ENGINEERS / LAND SURVEYORS
7059 - 302 INDUSTRIAL DRIVE, SUITE 2
SOUTHAVEN, MISSISSIPPI 38671
(601)349-2824 FAX (601)349-2950





Vicinity Map
(not to scale)

GENERAL NOTES:

1) FIELD SURVEY DATED: APRIL 23, 2024.

2) THIS IS A CLASS "A" SURVEY.

3) THIS SURVEY WAS PREPARED WITHOUT BENEFIT OF A TITLE SEARCH. OTHER DOCUMENTS MAY AFFECT THIS PROPERTY.

4) ACCORDING TO FEMA MAP NO. 28033C0090 H, DATED: MAY 5TH, 2014, THIS AREA IS NOT LOCATED IN AN IDENTIFIED FLOOD HAZARD ZONE.

5) BUILDING SETBACKS:
FRONT YARD – 50 FEET
SIDE YARD – 15 FEET
REAR YARD – 15 FEET

6) UTILITY EASEMENTS:
FRONT YARD – 10 FEET
SIDE YARD – 5 FEET
REAR YARD – 10 FEET

7) ANY CURB CUTS MUST BE APPROVED BY THE CITY OF SOUTHAVEN PRIOR TO CONSTRUCTION.

8) EXISTING STORM DRAINAGE ON LOTS 2C AND 2D ARE TO BE MAINTAINED BY LOT OWNERS AND NOT THE CITY OF SOUTHAVEN.

SOUTHAVEN CITY'S CERTIFICATE
SOUTHAVEN PLANNING COMMISSION

APPROVED BY THE SOUTHAVEN PLANNING COMMISSION ON THIS THE _____ DAY OF _____ 2024

_____ CHAIRMAN

_____ ATTEST SECRETARY

APPROVED BY THE MAYOR AND BOARD OF ALDERMAN OF THE CITY OF SOUTHAVEN ON THIS THE _____ DAY OF _____ 2024.

_____ MAYOR

_____ ATTEST CITY CLERK

STATE OF MISSISSIPPI
COUNTY OF DESOTO
I HEREBY CERTIFY THAT THE SUBDIVISION PLAT SHOWN HEREON WAS FILED FOR RECORD IN MY OFFICE AT _____ O'CLOCK _____M ON THE _____ DAY OF _____ 2024 AND WAS IMMEDIATELY ENTERED UPON THE PROPER INDEXES AND DULY RECORDED IN PLAT BOOK _____ PAGES _____.

CHANCERY COURT CLERK _____

THIS IS TO CERTIFY THAT THIS PLAT WAS DRAWN FROM A GROUND SURVEY MADE BY ME OR UNDER MY DIRECT SUPERVISION OF THE PHYSICAL FEATURES FOUND AND IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

_____
PIROSCHKA L. SPENCER, MS PS 3273

OWNER'S CERTIFICATE

1/WE, _____, HEREBY ADOPT THIS AS MY/OUR PLAN OF SUBDIVISION AND DEDICATE THE RIGHTS OF WAYS FOR THE ROADS AND UTILITY EASEMENTS TO THE PUBLIC FOREVER. I/WE ALSO CERTIFY THAT WE ARE THE OWNERS IN FEE SIMPLE OF THE PROPERTY SHOWN AND SAME IS NOT ENCUMBERED BY ANY TAXES THAT HAVE BECOME DUE AND PAYABLE THIS THE _____ DAY OF _____ 2024.

BY: _____

NOTARY'S CERTIFICATE
STATE OF MISSISSIPPI, COUNTY OF DESOTO

PERSONALLY APPEARED BEFORE ME, THE UNDERSIGNED AUTHORITY IN AND FOR THE SAID COUNTY AND STATE, THE WITHIN NAMED_____, WHO ACKNOWLEDGED THAT HE/SHE IS _____ OF CHURCH ROAD VENTURES, LLC, A MISSISSIPPI CORPORATION, AND THAT FOR AND ON BEHALF OF SAID CORPORATION, AND AS ITS ACT AND DEED HE/SHE EXECUTED THE FOREGOING INSTRUMENT, AFTER FIRST HAVING BEEN DULY AUTHORIZED BY SAID CORPORATION SO TO DO. GIVEN UNDER MY HAND AND OFFICIAL SEAL OF OFFICE THIS THE _____ DAY OF _____ 2024.

_____
NOTARY PUBLIC

_____
MY COMMISSION EXPIRES:

MORTGAGEE'S CERTIFICATE

_____ _____, MORTGAGEE OF THE PROPERTY HEREON ADOPT THIS AS OUR PLAN OF SUBDIVISION AND DEDICATE THE RIGHT OF WAY FOR THE ROADS AS SHOWN ON THE PLAT OF THE SUBDIVISION TO THE PUBLIC USE FOREVER AND RESERVE FOR THE PUBLIC UTILITIES THE UTILITY EASEMENTS AS SHOWN ON THE PLAT. I CERTIFY THAT I AM THE MORTGAGEE IN FEE SIMPLE OF THE PROPERTY AND THAT NO TAXES HAVE BECOME DUE AND PAYABLE. THIS THE _____ DAY OF _____ 2024.

NOTARY'S CERTIFICATE
STATE OF MISSISSIPPI, COUNTY OF DESOTO

PERSONALLY APPEARED BEFORE ME, THE UNDERSIGNED AUTHORITY IN AND FOR THE SAID COUNTY AND STATE ON THIS THE _____ DAY OF _____ 2024, WITHIN MY JURISDICTION, THE WITHIN NAMES _____, WHO ACKNOWLEDGE THAT (HE)(SHE) IN _____ OF _____ A _____ CORPORATION AND THAT FOR AN ON BEHALF OF THE SAID CORPORATION, AND AS ITS ACT AND DEED (HE)(SHE) EXECUTED THE ABOVE AND FOREGOING INSTRUMENT, AFTER FIRST HAVING BEEN AUTHORIZED TO DO SO BY SAID CORPORATION SO TO ACT.

_____
NOTARY PUBLIC

_____
MY COMMISSION EXPIRES:

BASIS OF BEARINGS
BEARINGS AND DISTANCES ON THIS PLAT ARE BASED ON AND REFERENCED TO THE MS STATE PLANE COORDINATE SYSTEM GRID NORTH (NAD 83(2011), EPOCH 2010.00, U.S. SURVEY FEET, WEST ZONE) AS DERIVED USING RTK GPS OBSERVATIONS USING EARL DUDLEY CONTINUOUSLY OPERATING REFERENCE NETWORK.
CONVERGENCE ANGLE = +00°11'30"
COMBINED FACTOR = 0.999950008
(COMPUTED AT N=1976508.49, E=2396985.27)

FOR REVIEW ONLY

FINAL PLAT OF
THE SECOND REVISION OF LOT 2
CIVIC CENTER
COMMERCIAL SUBDIVISION
2 LOTS, 2.05 ACRES, ZONED C-4
DEVELOPER: CHURCH ROAD VENTURES, LLC
LOCATED IN SECTION 12, TOWNSHIP 2 SOUTH, RANGE 8 WEST
CITY OF SOUTHAVEN
DESOTO COUNTY, MISSISSIPPI

City of Southaven
Office of Planning and Development
Design Review Staff Report

Date of Hearing:	May 20, 2024
Public Hearing Body:	Planning Commission
Applicant:	Kimley Horn and Associates 6750 Poplar Avenue Suite 600 Memphis, TN 38138 901-443-6635
Total Acreage:	1.10 acres
Existing Zone:	Planned Commercial
Location of Design Review Application	South side of Church Road, east of Hwy. 51
Comprehensive Plan Designation:	Commercial

Staff Comments:

The applicant is requesting design review approval for a Raising Cane's restaurant to be located on lot 5 of Southlake Commercial Subdivision. The following items were submitted:

Building Elevations:

The applicant is proposing a mixture of two bricks and a faux wood nichiha board for the façade. The beiden norman brick is a smooth finish with a red range palette and is used along the main elevation and the side entry area of the building. The secondary brick is shown as a textured finished brick in "Alamo" which is a beige/tan color palette. This brick is used on the drive thru elevation and the rear elevation. Both brick materials extend up to the roof line and incorporate a decorative soldier line toward the top to break up the material. The nichiha board is used to encase the storefront and window lines on all sides of the building except for the rear elevation. A heavy glass window line is used on the front entrance area which also wraps around to the side entry. Accent material shown above the window lines is a black powder coated perforated metal screening. Additional material includes a metal panel with clear coat. The awnings are flat black metal panels which match the roof accent band as well as the structure material for the patio. Wood panel material is used to encase the patio area which matches the materials of the building. Inset areas on the brick area are used for promotional advertising and painted murals in the drive through area are shown on the large brick wall. There is an exterior storage area shown on the rear which is shown to use the metal and nichiha board.

Landscaping:

This site has a mixture of materials proposed for landscaping including:

PLANT SCHEDULE

SYMBOL	QTY	BOTANICAL / COMMON NAME	SIZE	ROOT	CONDITION	SPACING
TREES						
	4	Nyssa sylvatica 'Wildfire' / Wildfire Black Gum	2" Cal. 10' - 12' Height	B&B	Matching, Strong Central Leader	
	6	Quercus phellos 'Hightower' / Hightower Willow Oak	2" CAL, 10'-12' HT	B&B	Matching, Strong Central Leader	
	6	Ulmus parvifolia 'BSNUPF' / Everclear® Lacebark Elm	2" CAL, 10'-12' HT	B&B	Matching, Strong Central Leader	
SHRUBS						
	24	Buxus microphylla 'Gregem' / Baby Gem™ Boxwood	18" HT. MIN.	Container	Matching, Full to Ground	36" o.c.
	47	Calamagrostis x acutiflora 'Karl Foerster' / Karl Foerster Feather Reed Grass	As Shown			48" o.c.
	138	Dalylum x 'PIIDIST-II' / Blue Cascade® Dalylum	3 GAL	Container	Full and Heavy	48" o.c.
	14	Hydrangea paniculata 'Little Lime' / Little Lime Hydrangea	3 GAL	Container	Full and Heavy	48" o.c.
	18	Ilex cornuta 'Carissa' / Carissa Chinese Holly	3 GAL	Container	Matching, Full to Ground	48" o.c.
	23	Ilex glabra 'Compacta' / Compact Inkberry Holly	24" HT.	Container	Matching, Full to Ground	48" o.c.
	3	Ilex x 'Nellie R. Stevens' / Nellie R. Stevens Holly	48" HT	Container	Matching, Full to Ground	96" o.c.
	6	Juniperus virginiana 'Grey Owl' / Grey Owl Juniper	18" HT. MIN.	Container	Matching, Full and Heavy	60" o.c.
	94	Muhlenbergia capillaris / Pink Muhly Grass	3 GAL	Container	Full and Heavy	42" o.c.
	46	Nepeta x 'Walker's Low' / Walker's Low Catmint	3 GAL	Container	Full and Heavy	36" o.c.
	11	Rosa x 'Meidiflora' TM / Coral Drift Groundcover Rose	3 GAL	Container	Full and Heavy	30" o.c.
	6	Taxus cuspidata 'Densiformis' / Dense Japanese Yew	3 GAL	Container	Matching, Full to Ground	36" o.c.
	19	Thuja occidentalis 'Smaragd' / Emerald Green Arborvitae	48" HT	B&B or Container	Matching, Full to Ground	48" o.c.
GROUND COVERS						
	52	Carex flacca 'Blue Zinger' / Blue Zinger Sedge	1 GALLON	-	Matching, Free of Weeds	18" o.c.
	25,584 sf	Cynodon dactylon 'Tifway 419' / Tifway 419 Bermuda Grass	Rolls or Squares	-	Sod, Free of Weeds, Pin to Slopes 3:1 or Greater	
	147	Liriope muscari 'Big Blue' / Big Blue Lilyturf	1 GAL, 18" O.C.	-	Matching, Free of Weeds	18" o.c.
	341	Liriope muscari 'Variegata' / Variegated Lilyturf	1 GAL, 18" O.C.	-	Matching, Free of Weeds	18" o.c.

The Hightower Willow Oaks are used throughout the site with three along the Goodman Road frontage, two on the west side in the large swath of grass area and two in the parking lot medians along the frontage road. Black gum shade trees are also used on the interior space of the parking lot and perimeter of the building. The frontage road and also the east side of the lot along the drive thru lane show a double staggered row of shrubs which change incrementally to give some variation to the materials. On the interior of the parking lot, the medians show planting beds with a single line of shrubs and seasonal ground cover. Lacebark elms are shown in the medians on each end of the storefront with a multi material planting bed around them. The perimeter of the building incorporates a double staggered row of the shrub materials which also encases the patio area. Around the storage building on the east side of the building there is a tight line of arborvitae used to screen the area. Additional shrubs have been planted wrapping the corners on the north end.

The photometric submittal shows three different fixtures for the site including wall mounted lighting, standard parking lot LED lights and the decorative acorn lighting. Per the

photometric plan there is one acorn light shown in the median between the drive thru and the employee parking area on the west side.

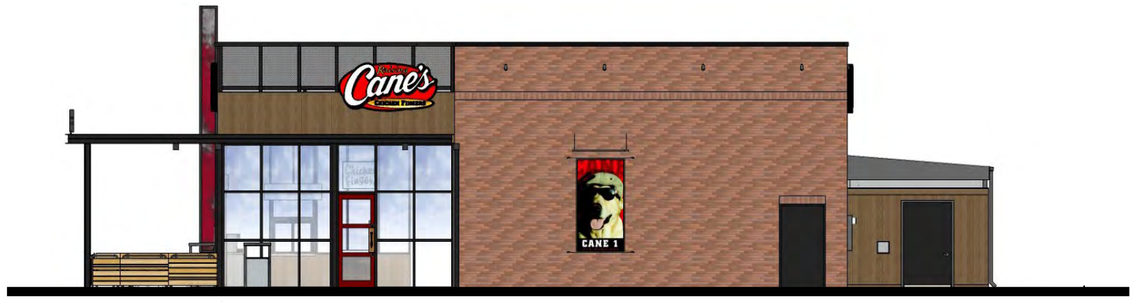
Staff Recommendations:

Staff likes the proposed materials and the break-up of those materials on the building. Staff would like the applicant to ensure that any roof-mounted equipment is properly screened with the roof parapet so that it is not seen from any street view.

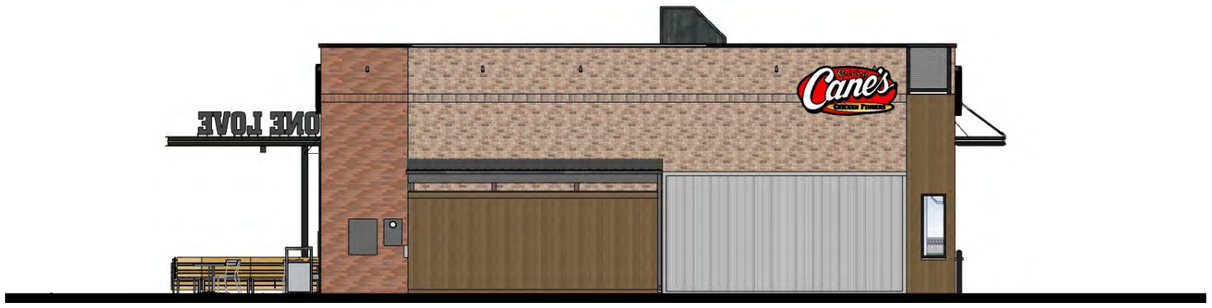
The landscape material list is extensive, and staff appreciates the diversity. The applicant will need to adjust the material sizes to meet the minimum requirements set forth in the ordinance which requires that shade trees have a minimum size of 3-3.5" caliper, ornamentals 2-2.5" OR 8-10 in height and shrubs have a five (5) gallon minimum planting size.

The lighting specs do not show the decorative lighting required for new construction. In light of the design, it would be staff suggestion that a more modern lighting spec be used for this site which can be handled administratively if allowed. The applicant can use this spec on the interior space of the parking lot on the south side which is the entry elevation to the site.

FRONT ENTRY ELEVATION



SIDE ENTRY ELEVATION

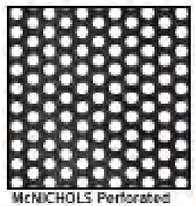


REAR ELEVATION

DRIVE THRU ELEVATION

MATERIAL FINISHES

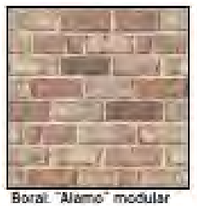
Metal R-Panel
Berridge- Clear Acrylic
Coated Galvalume



McNICHOLS Perforated
Metal Panel
Powder Coat: Black

Architectural Panels
Nichiha: Vintage Cedar
Wood Look Material

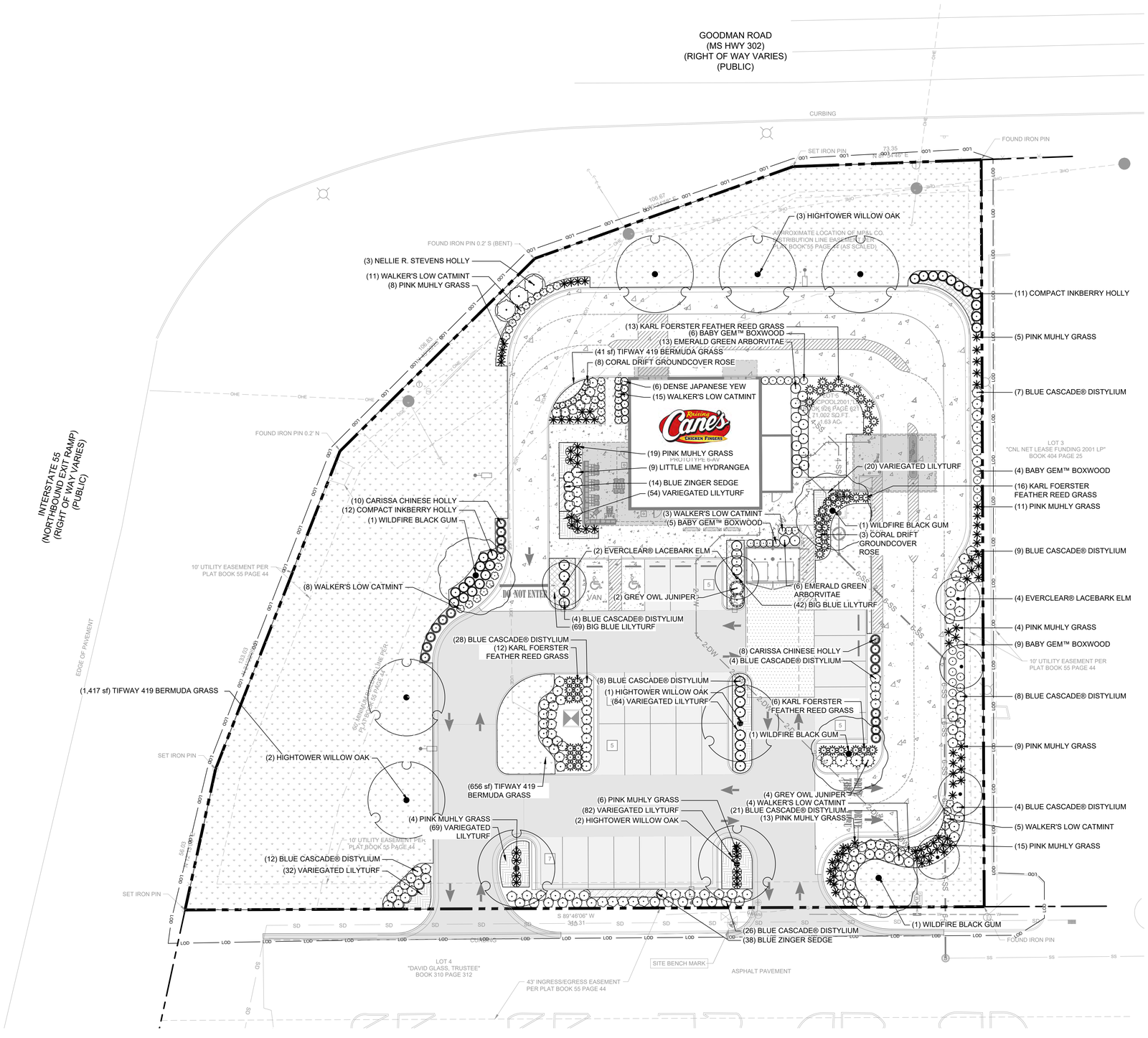
Belden norman Brick
Masonry Medium range.
smooth. Iron Spot. Mortar
to match solomon
products. weathered
horizontal strike. vertical
joints are flush



Boral "Alamo" modular
brick. mortar to match
solomon products lo h.
light buff Sack rub finish.

MODIFIED EXTERIOR ELEVATIONS

C1205 – 1-69 & Goodman Rd. – Southaven, MS | February 28, 2024



LANDSCAPE REQUIREMENTS

	REQUIRED	PROPOSED
PARKING LOT TREES: 1 SHADE TREE FOR EVERY (10) PARKING SPACES 27 PARKING SPACES ON SITE	3	6

NO PARKING SPACE SHOULD BE LOCATED FARTHER THAN FIFTY (50) FROM A LANDSCAPE AREA.

PARKING LOT LANDSCAPE SHALL BE PROVIDED WITHIN CURBED ISLAND PLANTING.

INTERIOR LOT LANDSCAPING SHALL BE PROVIDED IN AN AMOUNT EQUIVALENT TO TWENTY (20) PERCENT OF THE TOTAL AREA OF THE LOT.

PLANT SCHEDULE

SYMBOL	QTY	BOTANICAL / COMMON NAME	SIZE	ROOT	CONDITION	REMARKS
TREES						
	4	Nyssa sylvatica 'Wildfire' / Wildfire Black Gum	2" Cal. 10' - 12' Height	B&B	Matching, Strong Central Leader	
	8	Quercus phellos 'Hightower' / Hightower Willow Oak	2" CAL. 10'-12' HT	B&B	Matching, Strong Central Leader	
	6	Ulmus parvifolia 'BSNUPP' / Everclear® Lacebark Elm	2" CAL. 10'-12' HT	B&B	Matching, Strong Central Leader	

SYMBOL	QTY	BOTANICAL / COMMON NAME	SIZE	ROOT	CONDITION	SPACING	REMARKS
SHRUBS							
	24	Buxus microphylla 'Gregem' / Baby Gem™ Boxwood	18" HT. MIN.	Container	Matching; Full to Ground	36" o.c.	
	47	Calamagrostis x acutiflora 'Karl Foerster' / Karl Foerster Feather Reed Grass	As Shown			48" o.c.	
	138	Distylium x 'PIIDIST-II' / Blue Cascade® Distylium	3 GAL	Container	Full and Heavy	48" o.c.	
	14	Hydrangea paniculata 'Little Lime' / Little Lime Hydrangea	3 GAL	Container	Full and Heavy	48" o.c.	
	18	Ilex cornuta 'Carissa' / Carissa Chinese Holly	3 GAL	Container	Matching; Full to Ground	48" o.c.	
	23	Ilex glabra 'Compacta' / Compact Inkberry Holly	24" HT.	Container	Matching; Full to Ground	48" o.c.	
	3	Ilex x 'Nellie R. Stevens' / Nellie R. Stevens Holly	48" HT	Container	Matching; Full to Ground	96" o.c.	
	6	Juniperus virginiana 'Grey Owl' / Grey Owl Juniper	18" HT. MIN.	Container	Matching; Full and Heavy	66" o.c.	
	94	Muhlenbergia capillaris / Pink Muhly Grass	3 GAL	Container	Full and Heavy	42" o.c.	
	46	Nepeta x 'Walker's Low' / Walker's Low Catmint	3 GAL	Container	Full and Heavy	36" o.c.	
	11	Rosa x 'Meidrifora' TM / Coral Drift Groundcover Rose	3 GAL	Container	Full and Heavy	30" o.c.	
	6	Taxus cuspidata 'Densiformis' / Dense Japanese Yew	3 GAL	Container	Matching; Full to Ground	36" o.c.	
	19	Thuja occidentalis 'Smaragd' / Emerald Green Arborvitae	48" HT	B&B or Container	Matching; Full to Ground	48" o.c.	

SYMBOL	QTY	BOTANICAL / COMMON NAME	SIZE	SPACING	CONDITION	SPACING	REMARKS
GROUND COVERS							
	52	Carex flacca 'Blue Zinger' / Blue Zinger Sedge	1 GALLON	-	Matching; Free of Weeds	18" o.c.	
	25,584 sf	Cynodon dactylon 'Tifway 419' / Tifway 419 Bermuda Grass	Rolls or Squares	-	Sod, Free of Weeds, Pin to Slopes 3:1 or Greater		
	147	Liriope muscari 'Big Blue' / Big Blue Lilyturf	1 GAL, 18" O.C.	-	Matching; Free of Weeds	18" o.c.	
	341	Liriope muscari 'Variegata' / Variegated Lilyturf	1 GAL, 18" O.C.	-	Matching; Free of Weeds	18" o.c.	

Raising Cane's Chicken Fingers
Restaurant Support Office
6800 Bishop Road, Plano, TX 75024
Tele: 972-769-3100 Fax: 972-769-3101

Store:
357 Goodman Rd W
Southaven, MS 38671
Restaurant #C1205
P6-AV

Engineer's Information:
Kimley»Horn
6750 Poplar Ave, Suite 600,
Memphis, TN 38138
Main: 901.374.9109 | www.kimley-horn.com

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Prototype :	P6-AV
Prototype Issue Date:	09/2022
Kitchen Issue Date:	04/14/2023
Design Bulletin Updates:	INCLUDED
Date Issued:	Bulletin Number:
09/2022	VERSION 2022-1.0

ENTITLEMENT SET

ISSUED

DATE	DESCRIPTION
05/01/2024	Site Plan/Design Review Submittal

Sheet Title:

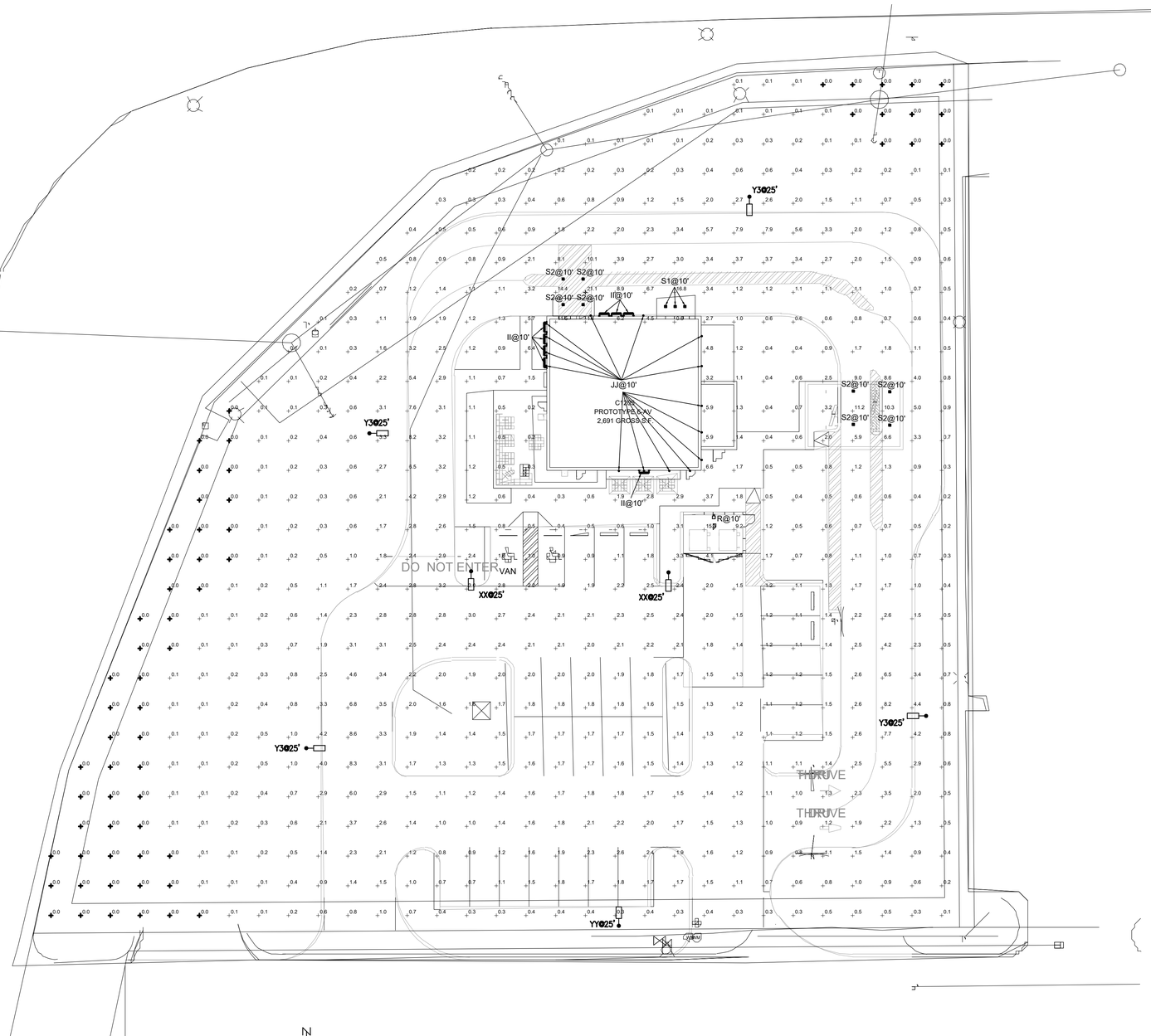
LANDSCAPE PLAN

Date:	05/01/2024
Project Number:	118387017
Drawn By: JSL	Checked By: ESDB

Sheet Number:

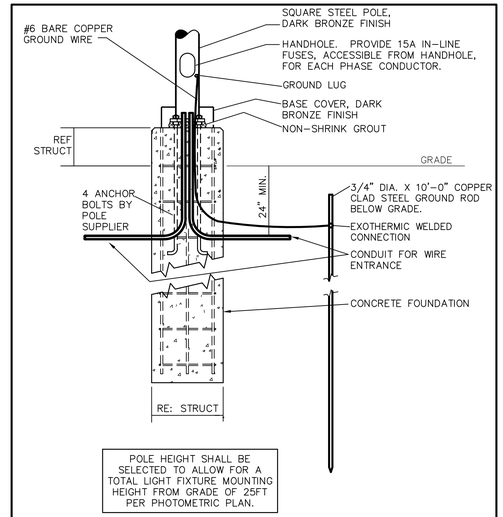
L1.0

Plotted By:Donnelly-Bullington, Emma Sheet Set:C1205 Southaven MS Layout:L1.0 LANDSCAPE PLAN May 01, 2024 11:18:52am K:\MEM_LDEV\000000000 - raising cane's\118387017 - pqs1352 southaven, ms - I-69 & goodman rd\CAD\plansheets\L1.0 LANDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



N

1 PHOTOMETRIC SITE PLAN
1" = 20'-0"



2 POLE FOUNDATION DETAIL
N.T.S.

Raising Cane's Chicken Fingers
Restaurant Support Office
6800 Bishop Road, Plano, TX 75024
Tele: 972-769-3100 Fax: 972-769-3101

Store:
I-69 & Goodman Rd.
Southaven, MS
Restaurant #C1205
P6-AV Scheme

KEN McCRACKEN, ARCHITECT
Architecture • Program Management • Permitting
1101 CENTRAL EXPRESSWAY S
SUITE 100
ALLEN, TX 75013
CONTACT: JOHN MELENDEZ
PHONE: 469.278.2310
EMAIL: JMELENDEZ@PMDGINC.COM

KEN MCCRACKEN, ARCHITECT

Prototype :	6-AV
Prototype Issue Date:	05/2023
Kitchen Issue Date:	04/14/2023
Design Bulletin Updates:	INCLUDED
Date Issued:	Bulletin Number:
05/2023	VERSION 2023-1.0

PRELIMINARY

ISSUED

	DATE	DESCRIPTION
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Sheet Title:
PHOTOMETRIC SITE PLAN

Date:	4/26/2024
Project Number:	RAC24004.0
Drawn By: --	Checked By: --

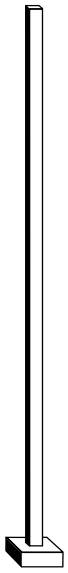
Sheet Number:
E1.1A

James F. Turner Engineers, L.P.
Consulting Engineers
8340 Meadow Road Suite 160
Dallas, TX 75231
TEL. 214-750-2900
Job Number: 93240
MS REGISTRATION #C-2276

DRAWN	DESIGN	QC	APPD
MN	MN	JBM	JFT

LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	



Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL

BAA

FEATURES & SPECIFICATIONS

INTENDED USE — **These specifications are for USA standards only.** Square Straight Steel is a general purpose light pole for up to 39-foot mounting heights. This pole provides a robust yet cost effective option for mounting area lights and floodlights.

CONSTRUCTION —

Pole Shaft: The pole shaft is of uniform dimension and wall thickness and is made of a weldable-grade, hot-rolled, commercial-quality steel tubing with a minimum yield of 55 KSI (11-gauge, 0.120"), or 50 KSI (7-gauge, 0.179"). Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4", 5" and 6".

Pole Top: Options include 4" tenon top, drilled for side mount fixture, tenon with drilling (includes extra handhole) and open top. Side drilled and open top poles include a removable top cap.

Handhole: A reinforced handhole with grounding provision is provided at 18" from the base on side A. Positioning the handhole lower may not be possible and requires engineering review; consult Tech Support-Outdoor for further information. Every handhole includes a cover and cover attachment hardware. The handhole has a nominal dimension of 2.5" x 5".

Base Cover: A durable ABS plastic two-piece full base cover, finished to match the pole, is provided with each pole assembly. Additional base cover options are available upon request.

Anchor Base/Bolts: Anchor base is fabricated from steel that meets ASTM A36 standards and can be altered to match existing foundations; consult factory for modifications. Anchor bolts are manufactured to ASTM F1554 Standards grade 55, (55 KSI minimum yield strength and tensile strength of 75-95 KSI). Top threaded portion (nominal 12") is hot-dipped galvanized per ASTM A-153.

HARDWARE — All structural fasteners are high-strength galvanized carbon steel. All non-structural fasteners are galvanized or zinc-plated carbon steel or stainless steel.

FINISH — Extra durable painted finish is coated with TGIC (Triglycidyl Isocyanurate) Polyester powder that meets 5A and 5B classifications of ASTM D3359. Powder-coat finishes include Dark Bronze, White, Black, and Natural Aluminum colors. Architectural Colors and Special Finishes are available by quote and include, but are not limited to Paint over Hot-dipped Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes.

BUY AMERICAN ACT — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations.
Please refer to www.acuitybrands.com/buy-american for additional information.

INSTALLATION — **Do not** erect poles without having fixtures installed. Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage. Lithonia Lighting is not responsible for the foundation design.

WARRANTY — 1-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application.
Specifications subject to change without notice.

SSS Square Straight Steel Poles

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative.

Example: SSS 20 5C DM19 DDBXD

SSS

Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness[2]	Mounting[3]	Options	Finish[14]
SSS[1]	10'-39' (for 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.) See technical information table for complete ordering information.)	4C 4" 11g (0.120") 4G 4" 7g (0.179") 5C 5" 11g (0.120") 5G 5" 7g (0.179") 6G 6" 7g (0.179") See technical information table for complete ordering information.)	Tenon mounting PT Open top (includes top cap) T20 2-3/8" O.D. (2" NPS) T25 2-7/8" O.D. (2-1/2" NPS) T30 3-1/2" O.D. (3" NPS) T35 4" O.D. (3-1/2" NPS) KAC/KAD/KSE/KSF/KVR/KVF Drill mounting[4] DM19 1 at 90° DM28 2 at 180° DM28 PL 2 at 180° with one side plugged DM29 2 at 90° DM39 3 at 90° DM49 4 at 90° CSX/DSX/RSX/AERIS™/OMERO™/ HLA/KAX Drill mounting[4] DM19AS 1 at 90° DM28AS 2 at 180° DM29AS 2 at 90° DM39AS 3 at 90° DM49AS 4 at 90° RAD drill mounting[4,5] DM19RAD 1 at 90° DM28RAD 2 at 180° DM29RAD 2 at 90° DM39RAD 3 at 90° DM49RAD 4 at 90° ESX Drill mounting[4] DM19ESX 1 at 90° DM28ESX 2 at 180° DM29ESX 2 at 90° DM39ESX 3 at 90° DM49ESX 4 at 90° AERIS™ Suspend drill mounting[4,6] DM19AST_ 1 at 90° DM28AST_ 2 at 180° DM29AST_ 2 at 90° DM39AST_ 3 at 90° DM49AST_ 4 at 90° OMERO™ Suspend drill mounting[4,6] DM19MRT_ 1 at 90° DM28MRT_ 2 at 180° DM29MRT_ 2 at 90° DM39MRT_ 3 at 90° DM49MRT_ 4 at 90°	Shipped installed VD Vibration damper[7] HAxy Horizontal arm bracket (1 fixture)[8,9] FDLxy Festoon outlet less electrical[8,10] CPL12/xy 1/2" coupling[8] CPL34/xy 3/4" coupling[8] CPL1/xy 1" coupling[8] NPL12/xy 1/2" threaded nipple[8] NPL34/xy 3/4" threaded nipple[8] NPL1/xy 1" threaded nipple[8] EHHxy Extra handhole[8,11] STLHHC Steel handhole cover (standard is plastic, finish is smooth) STLFBC2PC 2 Piece steel base cover (standard is plastic) IC Interior coating[12] L/AB Less anchor bolts (Include when anchor bolts are not needed) TP Tamper resistant handhole cover fasteners NEC NEC 410.30 compliant gasketed handhole (Not UL Labeled) UL UL listed with label (Includes NEC compliant cover) BAA Buy America(n) Act Compliant[13]	Super durable paint colors DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DGCXD Charcoal gray DTGXD Tennis green DBRXD Bright red DSBXD Steel blue DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white Other finishes GALV Galvanized finish Architectural colors and special finishes Paint over Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes available.

NOTES:

1. Handhole covers (HHC), full base covers (FBC) and top caps (TC) shipped separately. No need to call out in nomenclature. For additional parts please order as replacements.
2. Wall thickness will be signified with a "C" (11 Gauge) or a "G" (7-Gauge) in nomenclature. "C" - 0.120" | "G" - 0.179".
3. PT open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, follow this example: DM28/T20. The combination includes a required extra handhole.
4. Refer to the fixture spec sheet for the correct drilling template pattern and orientation compatibility.
5. All RAD drilling's require a minimum top O.D. of 4".
6. Insert "1" or "2" to designate fixture size; e.g. DM19AST2.
7. On 4" and 5" poles, VD cannot be installed if provisions (EHH, FDL, NPL, CPL) are located higher than 2/3 of the pole's total height.
   Example: Pole height is 25ft, A provision cannot be placed above 16ft.
8. Specify location and orientation when ordering option.
   For "x": Specify the height above the base of pole in feet or feet and inches; separate feet and inches with a "-".
   Example: 5ft = 5 and 20ft 3in = 20-3
   For "y": Specify orientation from handhole (A,B,C,D) Refer to the Handhole Orientation diagram below.
   Example: 1/2" coupling at 5' 8 ", orientation C = CPL12/5-8C
9. Horizontal arm is 18" x 2-3/8" O.D. tenon standard, with radius curve providing 12" rise and 2-3/8" O.D. If ordering two horizontal arm at the same height, specify with HAxyy. *Example: HA20BD.*
10. FDL does not come with GFCI outlet or handhole cover. These must be supplied by contractor or electrician.
11. Combination of tenon-top and drill mount includes extra handhole. EHH includes cover.
12. Provides enhanced corrosion resistance.
13. Use when mill certifications are required.
14. Finish must be specified. Additional colors available; see Architectural Colors brochure linked here (Form No. 794.3). Lead times may be extended up to 2 weeks due to paint procurement.

Accessories: *Order as separate catalog number.*

PL DT20	Plugs for ESX drillings
PL DT8	Plugs for DMxxAS drillings

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SSS Square Straight Steel Poles

TECHNICAL INFORMATION — EPA (ft²) with 1.3 gust

Catalog Number	Nominal Shaft Length (ft.)*	Pole Shaft Size (Base in. x Top in. x ft.)	Wall thick (in)	Gauge	EPA (ft²) with 1.3 gust						Bolt circle (in)	Bolt size (in. x in. x in.)	Approximate ship weight (lbs.)
					80 MPH	Max. weight	90 MPH	Max. weight	100 MPH	Max. weight			
SSS 10 4C	10	4.0 x 10.0	0.120"	11	30.6	765	23.8	595	18.9	473	8--9	3/4 x 18 x 3	75
SSS 12 4C	12	4.0 x 12.0	0.120"	11	24.4	610	18.8	470	14.8	370	8--9	3/4 x 18 x 3	90
SSS 14 4C	14	4.0 x 14.0	0.120"	11	19.9	498	15.1	378	11.7	293	8--9	3/4 x 18 x 3	100
SSS 16 4C	16	4.0 x 16.0	0.120"	11	15.9	398	11.8	295	8.9	223	8--9	3/4 x 18 x 3	115
SSS 18 4C	18	4.0 x 18.0	0.120"	11	12.6	315	9.2	230	6.7	168	8--9	3/4 x 18 x 3	125
SSS 20 4C	20	4.0 x 20.0	0.120"	11	9.6	240	6.7	167	4.5	150	8--9	3/4 x 18 x 3	140
SSS 20 4G	20	4.0 x 20.0	0.179"	7	14	350	11	275	8	200	8--9	3/4 x 30 x 3	198
SSS 20 5C	20	5.0 x 20.0	0.120"	11	17.7	443	12.7	343	9.4	235	10--12	1 x 36 x 4	185
SSS 20 5G	20	5.0 x 20.0	0.179"	7	28.1	703	21.4	535	16.2	405	10--12	1 x 36 x 4	265
SSS 25 4C	25	4.0 x 25.0	0.120"	11	4.8	150	2.6	100	1	50	8--9	3/4 x 18 x 3	170
SSS 25 4G	25	4.0 x 25.0	0.179"	7	10.8	270	7.7	188	5.4	135	8--9	3/4 x 30 x 3	245
SSS 25 5C	25	5.0 x 25.0	0.120"	11	9.8	245	6.3	157	3.7	150	10--12	1 x 36 x 4	225
SSS 25 5G	25	5.0 x 25.0	0.179"	7	18.5	463	13.3	333	9.5	238	10--12	1 x 36 x 4	360
SSS 30 4G	30	4.0 x 30.0	0.179"	7	6.7	168	4.4	110	2.6	65	8--9	3/4 x 30 x 3	295
SSS 30 5C	30	5.0 x 30.0	0.120"	11	4.7	150	2	50	--	--	10--12	1 x 36 x 4	265
SSS 30 5G	30	5.0 x 30.0	0.179"	7	10.7	267	6.7	167	3.9	100	10--12	1 x 36 x 4	380
SSS 30 6G	30	6.0 x 30.0	0.179"	7	19	475	13.2	330	9	225	11--13	1 x 36 x 4	520
SSS 35 5G	35	5.0 x 35.0	0.179"	7	5.9	150	2.5	100	--	--	10--12	1 x 36 x 4	440
SSS 35 6G	35	6.0 x 35.0	0.179"	7	12.4	310	7.6	190	4.2	105	11--13	1 x 36 x 4	540
SSS 39 6G	39	6.0 x 39.0	0.179"	7	7.2	180	3	75	--	--	11--13	1 x 36 x 4	605

NOTE: * EPA values are based ASCE 7-93 wind map. For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.

TECHNICAL INFORMATION — EPA (ft²) WITH 3-SECOND GUST PER AASHTO 2013

Series	Mounting Height (ft)*	Shaft Base Size	90 MPH	Max. weight	100 MPH	Max. weight	110 MPH	Max. weight	120 MPH	Max. weight	130 MPH	Max. weight	140 MPH	Max. weight	150 MPH	Max. weight	Approximate ship weight (lbs.)
SSS	10	4C	20	500	16	400	13	325	10.5	263	8.5	213	7	175	6	150	75
SSS	12	4C	16	400	13	325	10	250	8	200	6.5	163	5	125	4	100	90
SSS	14	4C	13.5	338	10	250	7.5	188	6	150	4.5	113	3.5	88	2.5	63	100
SSS	16	4C	10.5	263	7.5	188	5.5	138	4	100	3	75	1.5	38	1	25	115
SSS	18	4C	8	200	5.5	138	4	100	2.5	63	1.5	38	0.5	13	-	-	125
SSS	18	4G	13	325	9.5	238	7	175	5	125	3.5	88	2.5	63	1.5	38	185
SSS	18	5C	13	325	9.5	238	6.5	163	4.5	113	3	75	1.5	38	.5	13	170
SSS	20	4C	6	150	4	100	2.5	63	1	25	-	-	-	-	-	-	140
SSS	20	4G	10.5	263	7.5	188	5.5	138	3.5	88	2	50	1	25			205
SSS	20	5C	10	250	7	175	4.5	113	2.5	63	1	25	-	-	-	-	185
SSS	20	5G	20	500	15	375	11.5	288	8.5	213	6	150	4.5	113	3	75	265
SSS	25	4C	2	50	0.5	13	-	-	-	-	-	-	-	-	-	-	170
SSS	25	4G	5.5	138	3	75	1.5	38	-	-	-	-	-	-	-	-	245
SSS	25	5C	4.5	113	2	50	-	-	-	-	-	-	-	-	-	-	225
SSS	25	5G	12	300	8.5	213	5.5	138	3	75	1.5	38	-	-	-	-	360
SSS	25	6G	19	475	13.5	338	9	225	5.5	138	3	75	1	25			445
SSS	30	4G	1.5	38	-	-	-	-	-	-	-	-	-	-	-	-	291
SSS	30	5C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	265
SSS	30	5G	6.5	163	3.5	88	1	25	-	-	-	-	-	-	-	-	380
SSS	30	6G	11	275	6	150	2.5	63	-	-	-	-	-	-	-	-	520
SSS	35	5G	2	50	-	-	-	-	-	-	-	-	-	-	-	-	440
SSS	35	6G	4	100	-	-	-	-	-	-	-	-	-	-	-	-	540
SSS	39	6G	-	-	-	-	-	-	-	-	-	-	-	-	-	-	605

NOTE: AASHTO 2013 criteria is the most conservative existing EPA calculation. For poles not showing EPA values under AASHTO 2013, EPA values may exist under commercial criteria (see table above).

*For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.

OUTDOOR: One Lithonia Way Conyers, GA 30012 Phone: 800-705-SERV (7378) www.lithonia.com

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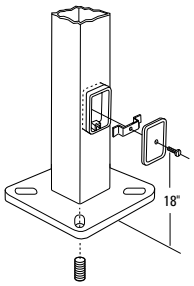
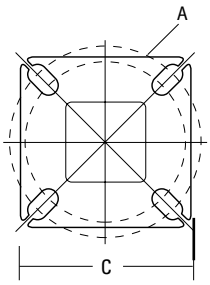
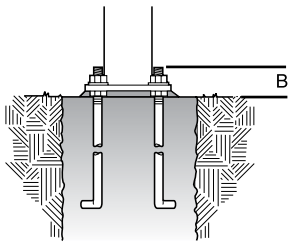
BASE DETAIL

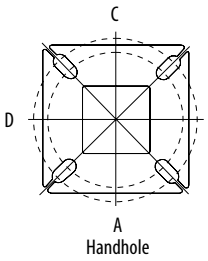


POLE DATA							
Shaft base size	**Bolt circle A**	**Bolt projection B**	**Base square C**	**Base plate thickness**	**Template description**	**Anchor bolt description**	**Anchor bolt and template description**
4"C	8" – 9"	3.25"- 3.75"	8"- 8.25"	0.75"	ABTEMPLATE PJ50004	AB18-0	ABSSS-4C
4"G	8" – 9"	3.38"- 3.75"	8"- 8.25"	0.875"	ABTEMPLATE PJ50004	AB30-0	ABSSS-4G
5"	10" – 12"	3.5"- 4"	11"	1"	ABTEMPLATE PJ50010	AB36-0	ABSSS-5
6"	11" – 13"	4"- 4.50"	12.5"	1"	ABTEMPLATE PJ50011	AB36-0	N/A





HANDHOLE ORIENTATION



Default DM19 is on side B.

IMPORTANT INSTALLATION NOTES:

- **Do not** erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.
- If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
- Lithonia Lighting is not responsible for the foundation design.
- Bolt circles have +/- 1/2" tolerance.

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

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PERFORMANCE iN LIGHTING

PRODUCT CODE 075460

PROJECT

TYPE AA

STEEL SQUARE 28 - 18 LED ELL 10°X45°

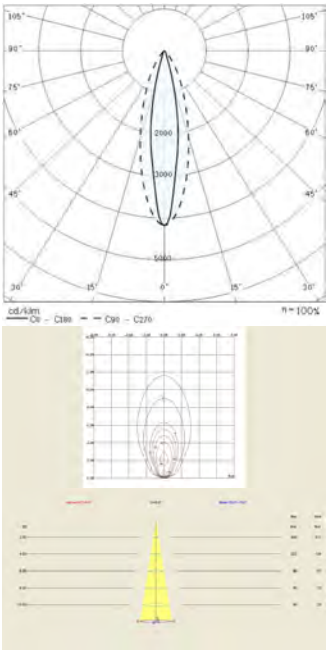
IP 67 | WET | cULus LISTED | RAL

Part number	075460
Lampholder:	LED
Wattage:	22.4 W
Finishing:	INOX / Stainless steel / Matt
Degree of protection:	IP67
CRI:	80
Kelvin:	3000
Optic:	Elliptical
Beam angle:	10°x45°
Luminaire lumen output [lm]:	852 lm
Lifetime:	60000 h
cULus:	✔
Voltage:	120/277 V
Min. ambient temperature [°C]:	-25Â°
Max. ambient temperature [°C]:	25Â°

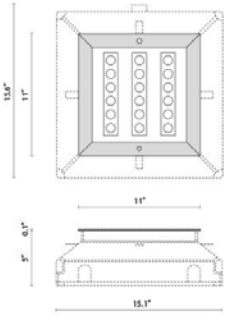
Description

In-ground series. Fixtures consist of:
- Copper-free (<1%) die-cast aluminum housing and die-cast corrosion-resistant AISI 316 stainless steel trim.
- Extra-clear, tempered, silk-screened, flat glass diffuser.
- Custom molded, anti-aging gasket(s).
- Stainless steel external hardware.
- Custom MCPCB utilized to maximize heat dissipation and promote long LED life.
- Standard aimable optic system (±7°).
- High-transparency polycarbonate optics for optimized light transmission.
- Elliptical optics (ELL).
- Input voltage: 120-277 V (50 / 60 Hz), integral driver.
- Pre-wired cable connects luminaire with WATER-STOP connection system, suitable for through wiring. Included cable glands accept cables from Ø0.35" up to Ø0.63".
- Each rough-in kit is provided with a protective faceplate to avoid possible deformations during the installation in concrete to simplify installation.
- Thermoplastic compression-molded rough-in kit to be ordered separately.
- For outdoor inground applications, provide drainage gravel at least 12" below the rough-in or a suitable drainage system.
- The luminaire may be configured with numerous options and multiple standard finishes. Not all options are available in all configurations. Consult factory for more information about specification sheet details to build your light.
- Product meets Buy American Act (BAA) requirements within ARRA.
- 5-year warranty.

Photometric data



Technical drawings



REQUIRED FOR INSTALLATION

STEEL SQUARE 28

310374

Recessed Rough-in kit

LITESPHERE2.0

Project: _____ TYPE: _____

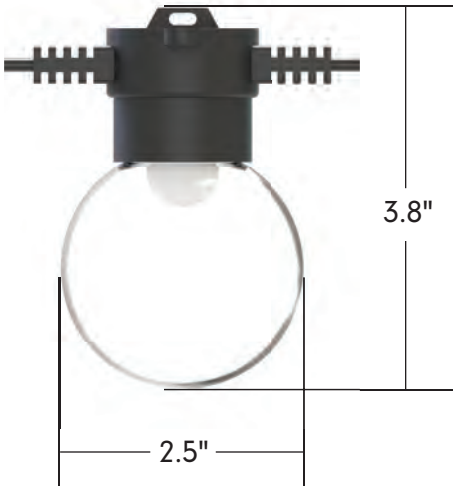
Product Features

- Tivoli's next evolution of Litesphere delivers a robust specification-grade strand with factory molded standard spacing for consistent quality from start to finish
- Litesphere 2.0 design provides optional suspended mounting or a twist-off cap for surface applications
- 12V DC Low voltage system for long runs
- IP67
- cULus
- 3 Year warranty

PENDING PATENTED PENDING

c UL us LISTED

Dimensions



Tivoli, LLC. reserves the right to modify this specification without prior notice.

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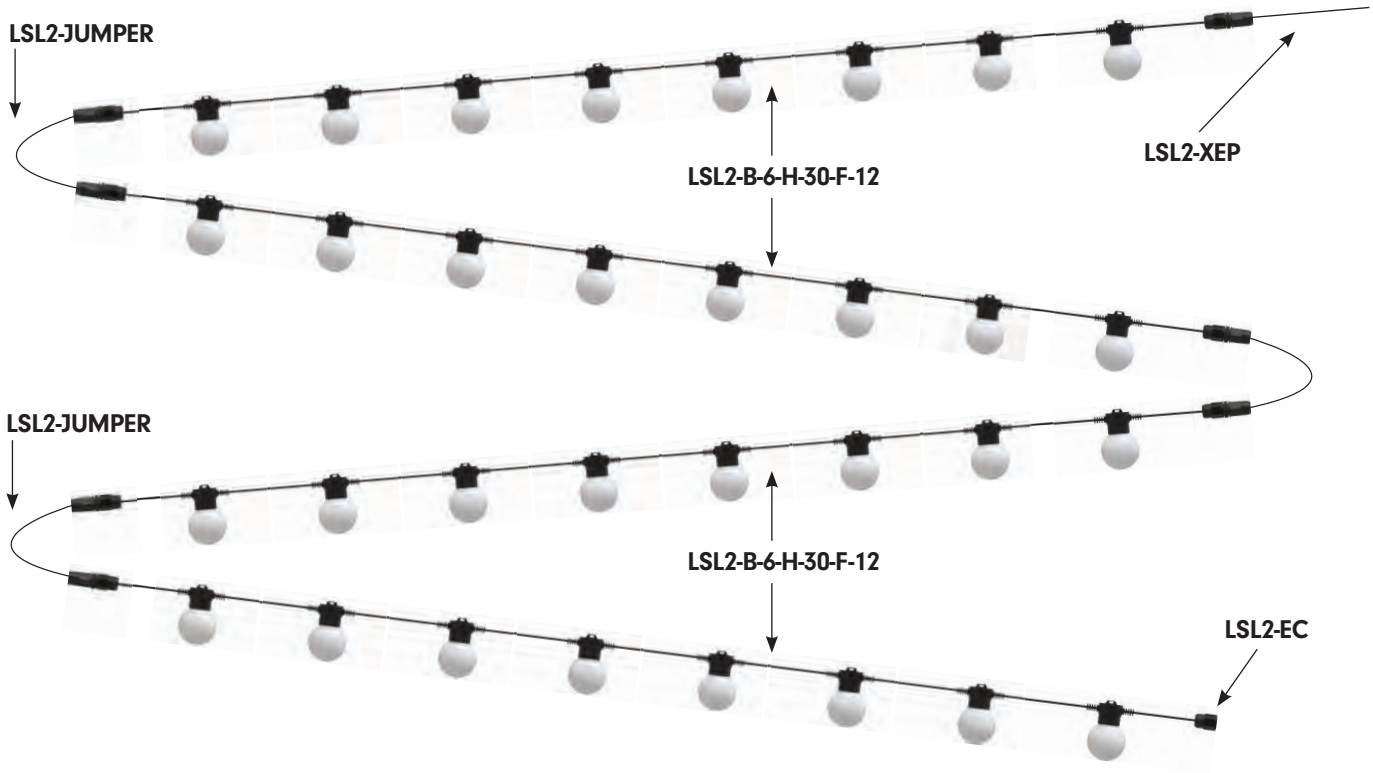
www.tivolilighting.com tel: 714-957-6101 fax: 714-427-3458

System Configuration Example



Strand Order Guide

Note: For suspension application, a catenary cable is required for proper installation. Please contact Tivoli for recommendations on unique mounting applications.

Product	Wire	Spacing	LED Type	LED Color	Globe	Voltage
LSL2 Litesphere 2.0	**B** Black **W** White	**06** 6″ OC **12** 12″ OC **18** 18″ OC **24** 24″ OC	**V** Very High Output **H** High Output **S** Standard Output	**19** 1900K **27** 2700K **30** 3000K **35** 3500K **40** 4000K **50** 5000K* **AM** Amber* **RB** Royal Blue* **RD** Red* **GN** Green* **YL** Yellow*	**C** Clear **F** Frosted **O** Opal CUSTOM COLORING	**12** 12V DC

*Available in VHO LED only

Tivoli, LLC. reserves the right to modify this specification without prior notice.

Power Lead Order Guide

Figure A - All Litesphere 2.0 are evenly cut between globes according to specified spacing.
Figure B - Power leads are added to the end cut, extending the total length of the power lead.

LSL2-XEP-X-XX
X = B (Black), W (White)
XX = 05 (5'), 10 (10'), 15 (15'), 20 (20'), 25 (25')
For custom length consult factory

Figure A

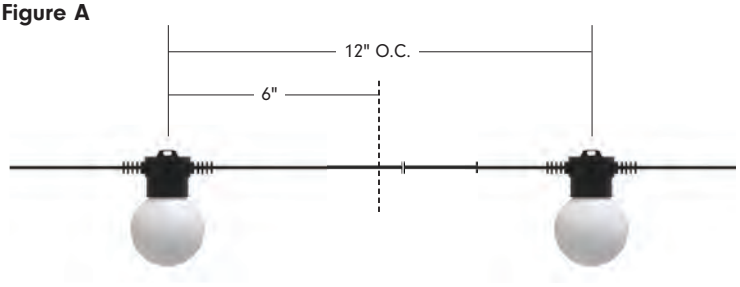
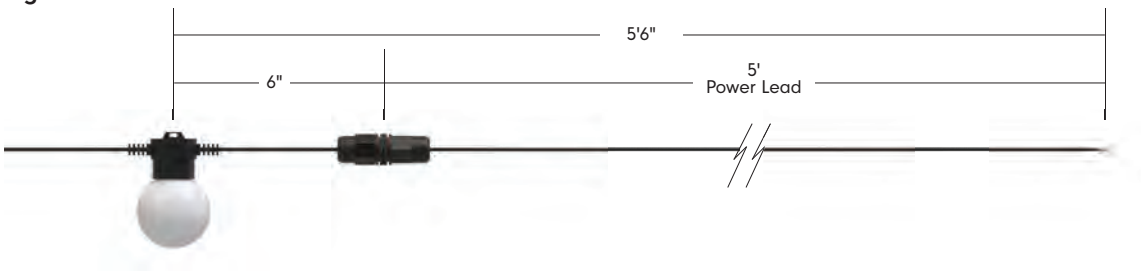


Figure B



Jumper Order Guide

Figure A - All Litesphere 2.0 are evenly cut between globes according to specified spacing.
Figure B - Jumpers are added between the cuts, extending the total length of wire between globes.

LSL2-JUMPER-X-XX
X = B (Black), W (White)
XX = 05 (5'), 10 (10')
For custom length, consult factory

Figure A

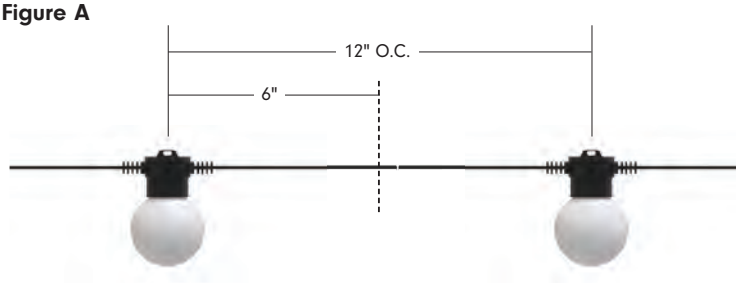
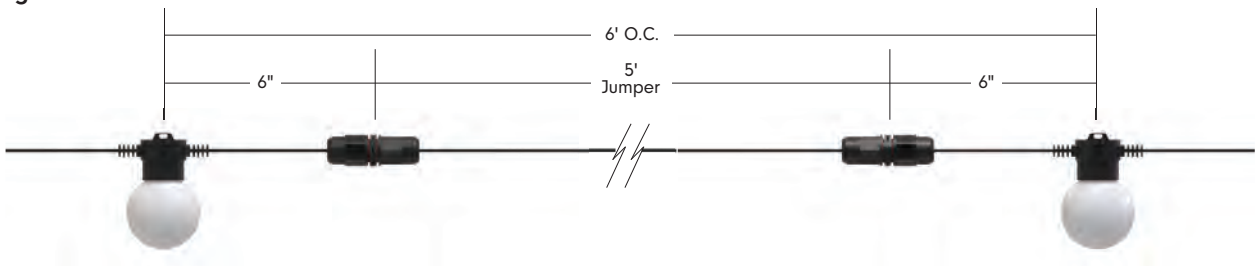


Figure B



Tivoli, LLC. reserves the right to modify this specification without prior notice.

Specifications

Output - Standard Brightness				
On-Center Spacing	6"	12"	18"	24"
Lumens/ft	11	6	4	3
Watts/ft	.17	.09	.06	.04
Maximun Electrical Run	130'	180'	230'	250'

Output - High Output				
On-Center Spacing	6"	12"	18"	24"
Lumens/ft	29.9	15	10	7
Watts/ft	.46	.23	.15	.12
Maximun Electrical Run	80'	110'	130'	150'

Output - Very High Output				
On-Center Spacing	6"	12"	18"	24"
Lumens/ft	180	90.2	60	45
Watts/ft	1.92	.96	.64	.48
Maximun Electrical Run	30'	55'	70'	80'

Weights				
On-Center Spacing	6"	12"	18"	24"
lb/ft	0.33	0.28	0.24	0.20
lb/ft with catenary cable	0.35	0.30	0.26	0.22

Output - Based on 3000K Clear Globe	
Efficacy	Standard Brightness (40), High Output (46), Very High Output (94)
Electrical	
Input Voltage	12V DC
Power Consumption (W/LED)	Standard Brightness (.09), High Output (.23), Very High Output (.96)
Control	
Control System	0-10V, ELV, MLV, DMX 512
Physical	
Dimensions	2.5"W x 3.8"H
Socket Housing	PVC
American Wire Gauge	14 AWG
Globe	PE
Mounting	Surface Mount, Suspended
Operating Temperature	-20°C to 50°C (-4°F to 122°F)
Storage Temperature	-40°C to 80°C (-40°F to 176°F)
Certification and Testing	
Certification	cULus
Environment	Wet Location
IP Rating	IP67
Warranty	3 Years

Tivoli, LLC. reserves the right to modify this specification without prior notice.

Mounting Options

SURFACE/FLUSH

For surface mount applications, remove the top suspension-plate by turning counter-clockwise until off. Place socket flush against the desired surface and mount using proper screws according to substrate.

SUSPENDED

Suspended mounting will use a combination of LS-Cable, LS-Locks with LS-UVZP. Tension the cable wire with our LS-TT (Tension Tool) for desired sag (Please adhere to local city code for suspended application).

Note: For suspension application, a catenary cable is required for proper installation.
Please contact Tivoli for recommendations on unique mounting applications.

Mounting Accessories

LS-CABLE-60 Catenary Cable Kit - 60'
(1/8" galvanized cable includes 2 cable locks for use with loads up to 200lbs)

LS-CABLE-110 Catenary Cable Kit - 110'
(1/8" galvanized cable includes 2 cable locks for use with loads up to 200lbs)

LS-CABLE-500 Catenary Cable Kit - 500'
(1/8" galvanized cable for use with loads up to 200lbs)

LS-LOCK-4
Cable Lock for 1/8th inch cable, Heavy-duty lockable fasteners support loads up to 200 lbs. Can be easily adjusted without the use of tools. Includes (2) Locks, (1) cable release key.

LS-TT
Catenary Cable Tensioning Tool up to 880lbs with minimal effort due to the 6:1 gear drive mechanism. Integral torque gauge controls the load applied to the wire, giving consistent tension every time and optimizing the life of the wire.

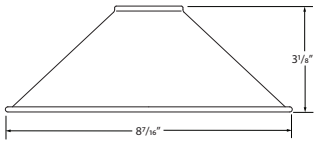
LS-UVZP-XX-50
X = BK (Black), WH (White)
50 pc Bag set. UV resistant, heavy duty ties.
Maximum weight up to 100 lbs./per tie.

LS-UVZP-XX-30
X = BK (Black), WH (White)
30 pc Bag set. UV resistant, heavy duty ties.
Maximum weight up to 100 lbs./per tie.

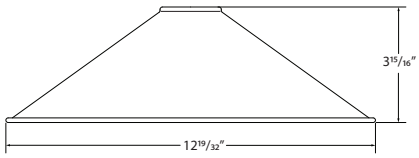
Tivoli, LLC. reserves the right to modify this specification without prior notice.

Light Shades

HAT



SHADE-HT-BK-BK-8
Light Shade - HAT
8.3" Black Top, Black Bottom
Weight: 0.38 lb

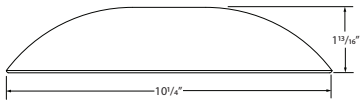


SHADE-HT-BK-BK-13*
Light Shade - HAT
12.6" Black Top, Black Bottom
Weight: 1.06 lb

SHADE-HT-BK-CO-13 *
Light Shade - HAT
12.6" Black Top, Copper Bottom
Weight: 1.06 lb

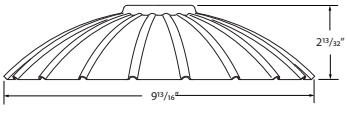
*Consult factory for lead time and MOQ

DISH

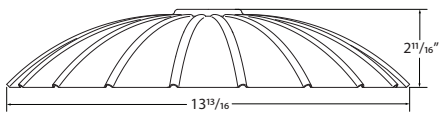


SHADE-DS-BK-BK-10
Light Shade - DISH
10.2" Black Top, Black Bottom
Weight: 0.72 lb

FLOWER

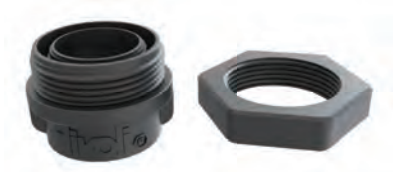


SHADE-FL-BK-BK-10
Light Shade - FLOWER
9.8" Light Shade , Black Top, Black Bottom
Weight: 0.54 lb



SHADE-FL-BK-BK-13
Light Shade - FLOWER
13.8" Light Shade, Black Top, Black Bottom
Weight: 1.1 lb

Accessories



SHADE-ADP-LSL2-XX-01 2.0 Light Shade Adapter
X = BK (Black), WH (White)
PVC Black Adapter - Sold individually.

SHADE-ADP-LSL2-XX-25 2.0 Light Shade Adapter
X = BK (Black), WH (White)
PVC Black Adapter Kit - Sold in packs of 25

SHADE-ADP-LSL2-XX-50 2.0 Light Shade Adapter
X = BK (Black), WH (White)
PVC Black Adapter Kit - Sold in packs of 50

Tivoli, LLC. reserves the right to modify this specification without prior notice.

Replacement Parts

Very High Output

Standard & High Output

LSL-19-V-12
12V Wedge base
1900K
LSL-27-V-12
12V Wedge base
2700K
LSL-30-V-12
12V Wedge base
3000K
LSL-35-V-12
12V Wedge base
3500K
LSL-40-V-12
12V Wedge base
4000K
LSL-50-V-12
12V Wedge base
5000K

LSL-AM-V-12
12V Wedge base
Amber
LSL-RD-V-12
12V Wedge base
Red
LSL-RB-V-12
12V Wedge base
Royal Blue
LSL-GN-V-12
12V Wedge base
Green
LSL-YL-V-12
12V Wedge base
Yellow

STANDARD
LSL-19-S-12
12V Wedge base
1900K
LSL-27-S-12
12V Wedge base
2700K
LSL-30-S-12
12V Wedge base
3000K
LSL-35-S-12
12V Wedge base
3500K
LSL-40-S-12
12V Wedge base
4000K

HIGH OUTPUT
LSL-19-H-12
12V Wedge base
1900K
LSL-27-H-12
12V Wedge base
2700K
LSL-30-H-12
12V Wedge base
3000K
LSL-35-H-12
12V Wedge base
3500K
LSL-40-H-12
12V Wedge base
4000K

LST-CG
Litesphere 2.0
Clear globe
sold each

LST-OG
Litesphere 2.0
Opal globe
sold each

LST-FG
Litesphere 2.0
Frosted globe
sold each

LSL2-EC-X
X = B (black), W (white)
Litesphere 2.0 End-Cap
Weight: 0.0375 lb
sold each

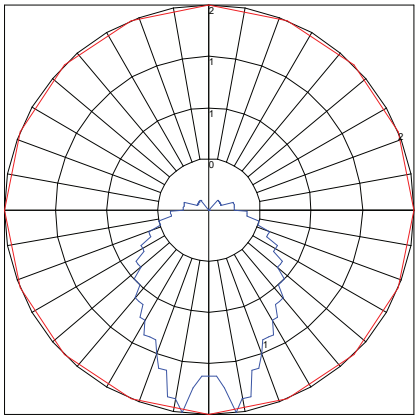
Photometrics

Frosted Globe - Based on 3000K LED

Standard Brightness

PHOTOMETRIC AND ELECTRICAL MEASUREMENTS - DISTRIBUTION METHOD (25°C +/- 1°C)

POLAR GRAPH AND MAXIMUM CANDELA INTENSITY		
Maximum Candela	Location - Horizontal Angle	Location - Vertical Angle
1.6	0	7.5

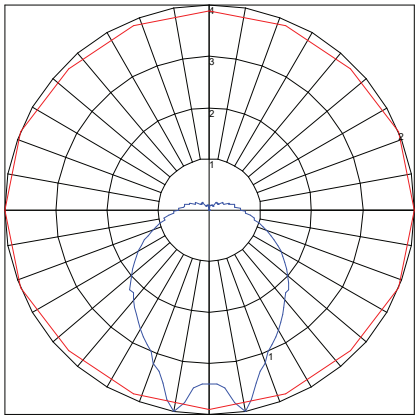


Maximum Candela = 1.6 Located At Horizontal Angle = 0, Vertical Angle = 7.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (7.5) (Through Max. Cd.)

High Output

PHOTOMETRIC AND ELECTRICAL MEASUREMENTS - DISTRIBUTION METHOD (25°C +/- 1°C)

POLAR GRAPH AND MAXIMUM CANDELA INTENSITY		
Maximum Candela	Location - Horizontal Angle	Location - Vertical Angle
4	0	10

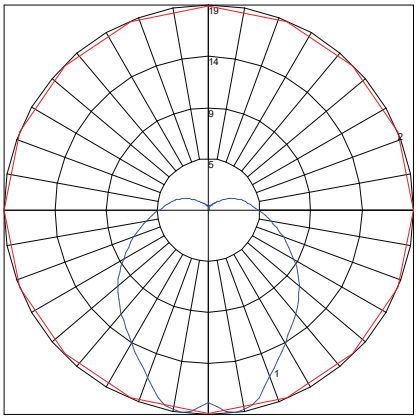


Maximum Candela = 4 Located At Horizontal Angle = 0, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)

Very High Output

PHOTOMETRIC AND ELECTRICAL MEASUREMENTS - DISTRIBUTION METHOD (25°C +/- 1°C)

POLAR GRAPH AND MAXIMUM CANDELA INTENSITY		
Maximum Candela	Location - Horizontal Angle	Location - Vertical Angle
18.5	0	7.5



Maximum Candela = 18.5 Located At Horizontal Angle = 0, Vertical Angle = 7.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (7.5) (Through Max. Cd.)

Tivoli, LLC. reserves the right to modify this specification without prior notice.

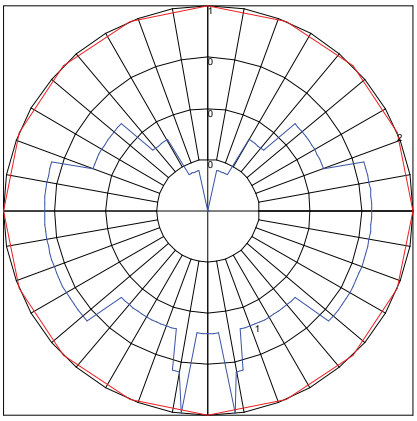
Photometrics

Opal Globe - Based on 3000K LED

Standard Brightness

PHOTOMETRIC AND ELECTRICAL MEASUREMENTS - DISTRIBUTION METHOD (25°C +/- 1°C)

POLAR GRAPH AND MAXIMUM CANDELA INTENSITY		
Maximum Candela	Location - Horizontal Angle	Location - Vertical Angle
0.5	0	7.5

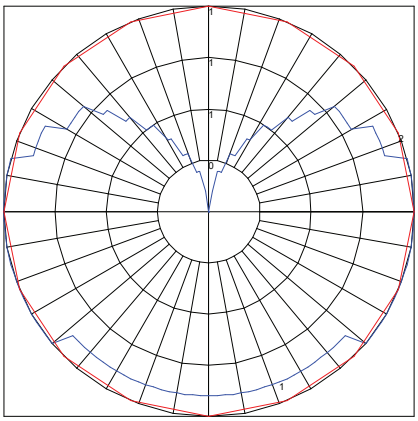


Maximum Candela = .5 Located At Horizontal Angle = 0, Vertical Angle = 7.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (7.5) (Through Max. Cd.)

High Output

PHOTOMETRIC AND ELECTRICAL MEASUREMENTS - DISTRIBUTION METHOD (25°C +/- 1°C)

POLAR GRAPH AND MAXIMUM CANDELA INTENSITY		
Maximum Candela	Location - Horizontal Angle	Location - Vertical Angle
1	0	50

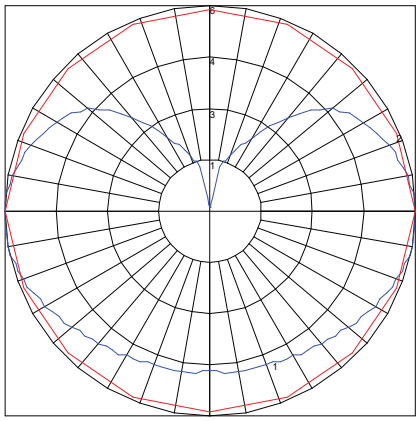


Maximum Candela = 1 Located At Horizontal Angle = 0, Vertical Angle = 50
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (50) (Through Max. Cd.)

Very High Output

PHOTOMETRIC AND ELECTRICAL MEASUREMENTS - DISTRIBUTION METHOD (25°C +/- 1°C)

POLAR GRAPH AND MAXIMUM CANDELA INTENSITY		
Maximum Candela	Location - Horizontal Angle	Location - Vertical Angle
5.9	0	77.5



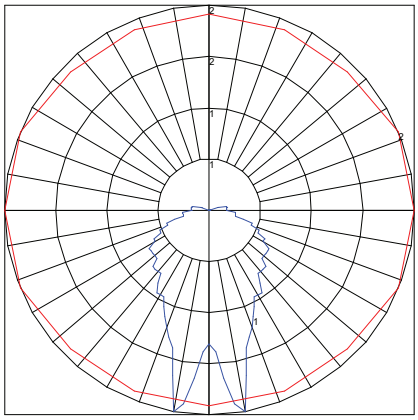
Maximum Candela = 5.9 Located At Horizontal Angle = 0, Vertical Angle = 77.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (77.5) (Through Max. Cd.)

Clear Globe - Based on 3000K LED

Standard Brightness

PHOTOMETRIC AND ELECTRICAL MEASUREMENTS - DISTRIBUTION METHOD (25°C +/- 1°C)

POLAR GRAPH AND MAXIMUM CANDELA INTENSITY		
Maximum Candela	Location - Horizontal Angle	Location - Vertical Angle
2.3	0	10

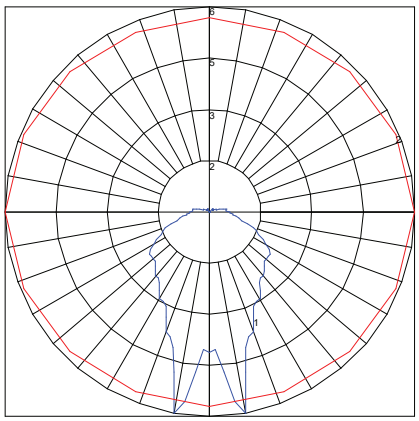


Maximum Candela = 2.3 Located At Horizontal Angle = 0, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)

High Output

PHOTOMETRIC AND ELECTRICAL MEASUREMENTS - DISTRIBUTION METHOD (25°C +/- 1°C)

POLAR GRAPH AND MAXIMUM CANDELA INTENSITY		
Maximum Candela	Location - Horizontal Angle	Location - Vertical Angle
6.1	0	10

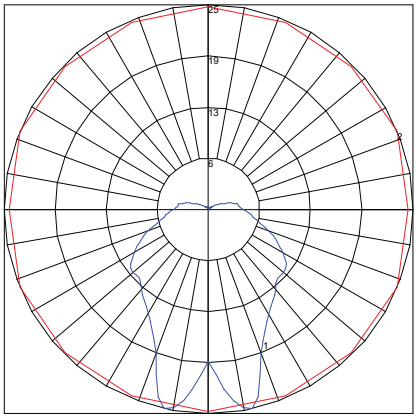


Maximum Candela = 6.1 Located At Horizontal Angle = 0, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)

Very High Output

PHOTOMETRIC AND ELECTRICAL MEASUREMENTS - DISTRIBUTION METHOD (25°C +/- 1°C)

POLAR GRAPH AND MAXIMUM CANDELA INTENSITY		
Maximum Candela	Location - Horizontal Angle	Location - Vertical Angle
25.3	22.5	12.5



Maximum Candela = 25.3 Located At Horizontal Angle = 22.5, Vertical Angle = 12.5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (12.5) (Through Max. Cd.)

Tivoli, LLC. reserves the right to modify this specification without prior notice.

Power Supplies

ADNM - NON DIMMING

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
ADNM Series Class 2 Transformer	ADNM-60-1-5-12-D	Indoor / Outdoor	100-277V AC 50/60 HZ	12V DC	1	60W	5A
	ADNM-80-1-5-12-D				1	60W	5A
	ADNM-150-2-5-12-D				2	2x60W	2x5A
	ADNM-240-3-5-12-D				3	3x60W	3x5A
	ADNM-320-4-5-12-D				4	4x60W	4x5A

ADNM - 0-10V DIMMING

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
ADNM Series Class 2 Transformer	ADNM-60-1-5-12-DOT	Indoor / Outdoor	100-277V AC 50/60 HZ	12V DC	1	60W	5A
	ADNM-80-1-5-12-DOT				1	60W	5A
	ADNM-150-2-5-12-DOT				2	2x60W	2x5A
	ADNM-240-3-5-12-DOT				3	3x60W	3x5A
	ADNM-320-4-5-12-DOT				4	4x60W	4x5A

ADNM - DMX SINGLE ADDRESS

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
ADNM Series Class 2 Transformer	ADNM-60-1-5-12-DIN	Indoor / Outdoor	100-277V AC 50/60 HZ	12V DC	1	60W	5A
	ADNM-80-1-5-12-DIN				1	60W	5A
	ADNM-150-2-5-12-DIN				2	2x60W	2x5A
	ADNM-240-3-5-12-DIN				3	3x60W	3x5A
	ADNM-320-4-5-12-DIN				4	4x60W	4x5A

ADNM - DMX MULTI ADDRESS

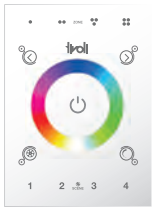
DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
ADNM Series Class 2 Transformer	ADNM-150-2-5-12-DIN-2	Indoor / Damp	100-277V AC 5o//60 Hz	12V DC	2	2x60W	5A
	ADNM-240-3-5-12-din-3				3	3x60W	3x5A

INFINITY - MLV / ELV / 0-10V / PWM / TRIAC

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	MIN LOAD	CIRCUIT CAPACITY
Infinity Series Class 2 Transformer	INF-J-30-1-2.5-12	Indoor / Outdoor	100 - 277V AC	12V DC	1	30W	3W	2.5A
	INF-J-60-1-5-12				1	60W	6W	5A
	INF-J-180-3-5-12				3	3x60W	3x6W	3x5A
	INF-J-300-5-5-12				5	5x60W	5x6W	5x5A

Tivoli, LLC. reserves the right to modify this specification without prior notice.

Controls



Touchscreen

TVOQ-1-WH
WH (White only)
512 DMX channel, 16 scene,
4 zone, glass touch screen

Touchscreen

TVOQ-10-XX-7
XX = BK (Black), WH (White)
1024 DMX channel, 500 scene,
10 zone, glass touch screen

Touchscreen

TVOQ-2-XX
XX = BK (Black), WH (White)
512 DMX channel, 99 scene,
1 zone, glass touch screen

Tivoli, LLC. reserves the right to modify this specification without prior notice.

LITHONIA LIGHTING®

Catalog Number	AFF OEL DBLBXD UVOLT LTP SDRT WT
Notes	120 VOLT EMERGENCY EXTERIOR WALL FIXTURE
Type	EME

AFFINITY®

Premium Die-Cast Architectural Emergency Light

AFF

without photocell (white)

without photocell (natural aluminum)

with photocell (white)

with photocell (dark bronze)

FEATURES & SPECIFICATIONS

INTENDED USE — Ideal for applications requiring low-profile, attractive emergency lighting with Optional normally-off or normally-on with photocell control. Provides a minimum of 90 minutes of illumination both indoors and outdoors upon loss of AC power. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate. Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.**

CONSTRUCTION — Compact, low-profile, architectural design with die-cast aluminum housing. Finishes are texturized powder coat paint for dark bronze, white, black and non-texturized for natural aluminum. Test switch indicator light and remote enabled are located on the bottom of the housing and are easily accessible and visible from the floor.

OPTICS —LEDs with L70 of 55,000 hours. Delivers 635 lumens in Normal-On and Emergency operation. Optional field configurable for wide and forward throw distribution **(US Patent Pending)**. Outdoor wide throw distribution: 70' (3' path of egress) at a 7.5' mounting height with 1 FC Average.

4,000K correlated color temperature (CCT).

70 CRI.

ELECTRICAL — UVOLT (120 thru 347V, 50/60hz). Current-limiting charger maximizes battery life and minimizes energy consumption to provide low operating costs. Small battery chargers Certified in the CA Title 20 Appliance Efficiency Database

Short-circuit protection — current-limiting charger circuitry protects printed circuit board from shorts. Regulated charge voltage maintains a stable charge voltage over a wide range of line voltages.

Prevents over/undercharging that shortens battery life and reduces capacity. Filtered charger input minimizes charge voltage ripple and extends battery life.

Photocell option (PEL) for normally on product in order to discontinue illumination during periods when ambient light is present.

Remote units (OELR) are normally off. Emergency only functionality with DC power from an external battery.

BATTERY: Sealed, maintenance-free Lithium Iron Phosphate battery.

SELF-DIAGNOSTICS AND REMOTE TEST (SDRT OPTION): Automatic 24-hour recharge after a 90-minute discharge. Advanced electrical design provides constant light output throughout the entire discharge period for non-CW batteries. (For cold weather and cold temperature applications, the light may diminish though the discharge cycle). Brownout protection is automatically switched to emergency mode when supply voltage drops below approximately 80 percent nominal of 120, 220, 277 or 347. Other input voltages may vary. AC/LVD re-set allows battery connection before AC power is applied and prevents battery damage from deep discharge.

Self-Diagnostics: Continuously monitors AC functionality. Standard derangement monitoring will indicate disconnected battery, charger failure and displays green flashing indicator light while in emergency mode. Single multi-chromatic LED indicator to display two-state charging, test activation and three-state self-diagnostics.

Self-diagnostic testing: Five minutes every 30 days and 90 minutes annually. Diagnostic evaluation of lamps, AC to DC transfer, battery charging and condition of microprocessor. Automatic test is easily postponed for eight hours by activating manual test switch or use of remote tester (RTKIT accessory).

Manual testing: Test switch and remote tester (RTKIT accessory) provides manual activation of 60-second diagnostic testing for on-demand visual inspection. 90 minute manual testing can be enabled by pressing the test switch again while in test mode.

INSTALLATION — Wall mount: typically meets 7.5' to 14' mounting height from ground or floor. Power supplied by either mounting directly to a 4" square or 4" octagon j-box (wall mount) and accepts rigid or flex conduit.

LISTINGS — UL wet location listed standard at 32-122°F (0-50°C). Unit with CW battery(cold weather) listed for -22°F to 122°F (-30° to 50°C). Remote listed for -40°F to 122°F (-40° to 50°C). Meets or exceeds all applicable requirements for UL 924, NFPA 101 (current Life Safety code), NFPA 70 (NEC), NOM (Norma Oficial Mexicana), California Energy Commission Title 20 section 1605.3 (W)(4), FCC Title 47, Part 15, Subpart B and OSHA. List and labeled to comply with Canadian Standards C22.2 No. 141-10.

WARRANTY — 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

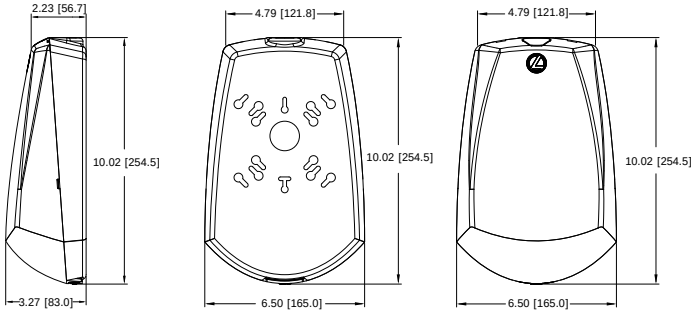
Specifications subject to change without notice.

† Small Battery Chargers Certified in the CA Title 20 Appliance Efficiency Database.

MOUNTING

All dimensions are inches (centimeters).
Shipping weight: 3.5 lbs. (1.59 kgs.)

Length: 6 1/2 (16.51)
Depth: 3 27/100 (8.30)
Height: 10 (25.45)
Weight : 3.5 lbs (1.59kg)



AFF Affinity® Premium Die-Cast Architectural Emergency Light

SELF-POWERED MODELS

ORDERING INFORMATION For the shortest lead times, configure product using **bolded options.** **Example**: AFF PEL DWHGXD UVOLT LTP SDRT WT

Series	Unit Type[1]	Housing Color	Voltage	Battery Type	Automatic Testing	Optics	Options
AFF AFFINITY Premium	**PEL** Photocell: Normally-ON with internal battery	**DWHGXD** White textured	**UVOLT** 120-347VAC, 50/60Hz	**LTP** Lithium Iron Phosphate	**SDRT** Self-diagnostics remote test	**WT** Wide Throw	**CW** Cold Weather (-30 - 50C)
	OEL Normally-OFF with internal battery	**DBLBXD** Black textured				**FCT** Field configurable throw[2]	USPOM Assembled in the US
		DNAXD Natural aluminum					
		DDBTXD Dark bronze textured					

Notes
1 AFF with internal battery is not remote capable.

REMOTE MODELS listed for -40°F to 122°F (-40° to 50°C)

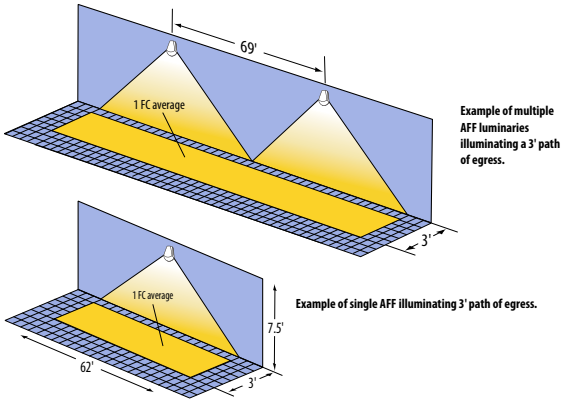
ORDERING INFORMATION For the shortest lead times, configure product using **bolded options.** **Example**: AFF OELR DWHGXD WT

Series [1]	Unit Type	Housing Color	Voltage	Optics
AFF AFFINITY Premium	**OELR** Remote fixture, Normally OFF (requires external battery source)	**DWHGXD** White textured	**(blank)** Universal DC voltage (8-30VDC)	**WT** Wide Throw
		DBLBXD Black textured		**FCT** Field configurable throw [2]
		DNAXD Natural aluminum		
		DDBTXD Dark bronze textured		

Notes
1 Not available with USPOM
2 FCT optics ships standard in the WT (wide throw) mode. Upon installation, configuration can be changed to the FCT mode.

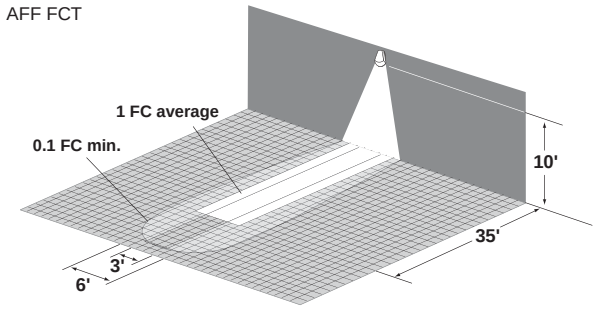
Accessories: *Order as separate catalog number.*	
RTKIT	Remote test kit, up to 40' away (includes goggles, laser and battery)

AFF SPACING GUIDELINES



Example of multiple AFF luminaries illuminating a 3' path of egress.

Example of single AFF illuminating 3' path of egress.



Maximum Spacing Guidelines - AFF (WT)

Mounting Height	Illumination Level	Single Luminaire		Multiple Luminaire		Application Notes *
		3' Path of Egress	6' Path of Egress	3' Path of Egress	6' Path of Egress	
7.5'	1FC Avg	62'	46'	69'	53'	200' Open Space 80/50/20 reflectances
10'		48'	34'	55'	46'	
12'		28'	22'	46'	41'	
14'		6'	N/A	38'	36'	

* Also meets the additional illumination requirements of NFPA 101: 1FC minimum and max/min ratio of 40:1.

Maximum Spacing Guidelines - AFF (FCT)

Mounting Height	Illumination Level	Single Luminaire		Application Notes *
		3' Path of Egress	6' Path of Egress	
7.5'	1FC Avg	24'	23'	200' Open Space 80/50/20 reflectances
10'		35'	35'	
12'		37'	31'	
14'		31'	N/A	

* Also meets the additional illumination requirements of NFPA 101: 1FC minimum and max/min ratio of 40:1.

EMERGENCY: One Lithonia Way, Conyers, GA 30012 Phone: 800-705-SERV (7378) techsupport-emergency@acuitybrands.com www.lithonia.com
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SPECIFICATIONS

Electrical: Primary Circuit

Unit Type	Battery Type	Input Voltage(V)	Input Current(A)	Watts(W)
PEL WT	LTP	120-347	0.053-0.086	11.28
	LTP CW	120-347	0.089-0.167	20.39
PEL FCT	LTP	120-347	0.053-0.086	11.28
	LTP CW	120-347	0.089-0.167	20.39
OEL WT	LTP	120-347	0.025-0.032	2.50
	LTP CW	120-347	0.075-0.097	11.60
OEL FCT	LTP	120-347	0.025-0.032	2.50
	LTP CW	120-347	0.075-0.097	11.60
OELR WT	N/A	8-30	0.248 - 1.225	8.57*
OELR FCT	N/A	8-30	0.254 - 1.168	8.22*

*OELR watts data is in addition to the lamp heads on the product

BATTERY

Lithium Iron Phosphate					
Type	**Voltage**	**Typical Shelf Life[1]**	**Typical Life[1]**	**Maintenance[2]**	**Temperature range[3,4]**
STD	12.8V	1 year	7-9 years	none	32 - 122°F (0 - 50°C)
CW	12.8V	1 year	7-9 years	none	-22 - 122°F (-30 - 50°C)

Notes

1 At 77°F (25°C).

2 2 Battery life is negatively impacted by many variables including temperature, charging rates, number of cycles and deep discharges due to long periods of time without AC power.

3 All life safety equipment, including emergency lighting for path of egress must be maintained, serviced, and tested in accordance with all National Fire Protection Association (NFPA) and local codes. Failure to perform the required maintenance, service, or testing could jeopardize the safety of occupants and will void all warranties.

4 Ambient temperature range where unit will provide capacity for 90 minutes. Higher and lower temperatures affect life and capacity. See option packages for expanded temperature ranges.

EMERGENCY: One Lithonia Way, Conyers, GA 30012 Phone: 800-705-SERV (7378) techsupport-emergency@acuitybrands.com www.lithonia.com

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VW15

Project: RAISING CANE'S

Company:

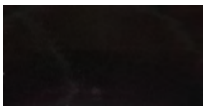
Prepared by:

TYPE GG

VW15-G0 / 41 / G-G0 / LVX01-19W-30K-120

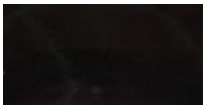
VW15: VW15
Finish: Standard finish is textured natural aluminum.
Globe: Threaded for easy lamp replacement.
Approvals: Listed with Underwriter's Laboratories for wet locations. C-UL listed for Canada.

Finish: G0 - Black



G: Guard for 15 Voportight

Finish: G0 - Black



41: 41 - Clear
Max: INC - 150W, HID - 175W, CFL - 32W

Bock Lighting

(216) 912-7050 - sales@bocklighting.com - www.BockLighting.com

VW15

Project:

Company:

Prepared by:

LVX01-19W-XXK-120: Cree - 19W Intergral Driver, XXK 120V
Lumens: 2,000lm at source.
Kelvin: XXK

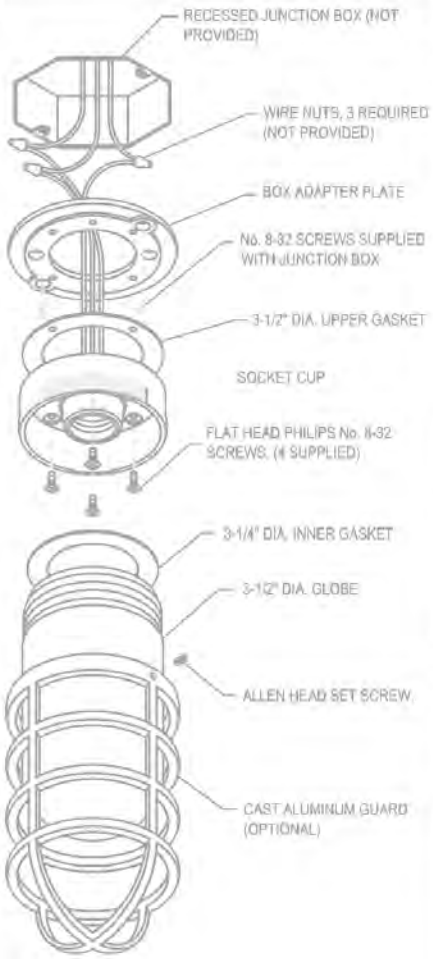
Kelvin: 30K - 30K

Part Number: VW15-G0 / 41 / G-G0 / LVX01-19W-30K-120

VAPOR PROOF INSTRUCTION SHEET
VP SERIES CEILING MOUNT.

1). TURN OFF POWER.
2). ATTACH BOX ADAPTER TO RECESSED OUTLET BOX WITH TWO No. 8-32 SCREWS PROVIDED WITH THE BOX.
3). MAKE WIRE CONNECTIONS: ***BLACK WIRE IS HOT, WHITE WIRE IS NEUTRAL, GREEN WIRE IS GROUND.***
4). ATTACH SOCKET CUP TO ADAPTER PLATE USING FLAT HEAD SCREWS PROVIDED. MAKE SURE THAT THE LARGER GASKET IS POSITIONED BETWEEN THE TWO PARTS TO ENSURE PROPER SEAL.
5). PLACE SMALLER GASKET INSIDE SOCKET CUP AND TURN GLOBE INTO PLACE.
6). THREAD OPTIONAL CAST GUARD ONTO SOCKET CUP AND LOCK IN PLACE BY TIGHTENING ALLEN HEAD SET SCREW WITH 3mm ALLEN WRENCH (NOT PROVIDED).

NOTE: CONSULT AN ELECTRICIAN AND WIRE ACCORDING TO LOCAL AND NATIONAL ELECTRICAL CODES.



BockLighting 30901 Carter St. Solon, Ohio 44139 P: 216-912-7050 F: 216-912-7051

VAPOR PROOF INSTRUCTION SHEET
VP SERIES PENDANT MOUNT.

1). TURN OFF POWER.
2). SLIDE THREADED STEM DOWN OVER FIXTURE LEADS AND SCREW INTO TOP TOP OF WIRING COMPARTMENT. ***IT IS NECESSARY TO USE TEFLON TAPE, PIPE DOPE, OR EQUIVALENT*** ON STEM THREADS FOR OUTDOOR / WET LOCATION ENVIRONMENTS TO PREVENT WATER FROM ENTERING THE FIXTURE.
3). LOCK STEM IN PLACE BY TIGHTENING ALLEN HEAD SET SCREW WITH 3mm ALLEN WRENCH (NOT PROVIDED).
4). ATTACH STEM AND FIXTURE TO CEILING AND MAKE WIRE CONNECTIONS: ***BLACK WIRE IS HOT, WHITE WIRE IS NEUTRAL, GREEN WIRE IS GROUND.***
5). ATTACH SOCKET CUP TO WIRE COMPARTMENT USING FLAT HEAD SCREWS PROVIDED. MAKE SURE THAT THE LARGER GASKET IS POSITIONED BETWEEN THE TWO PARTS TO ENSURE WATER TIGHT SEAL.
6). PLACE SMALLER GASKET INSIDE SOCKET CUP AND TURN GLOBE INTO PLACE.
7). THREAD OPTIONAL CAST GUARD ONTO SOCKET CUP AND LOCK IN PLACE BY TIGHTENING ALLEN HEAD SET SCREW WITH 3mm ALLEN WRENCH (NOT PROVIDED).

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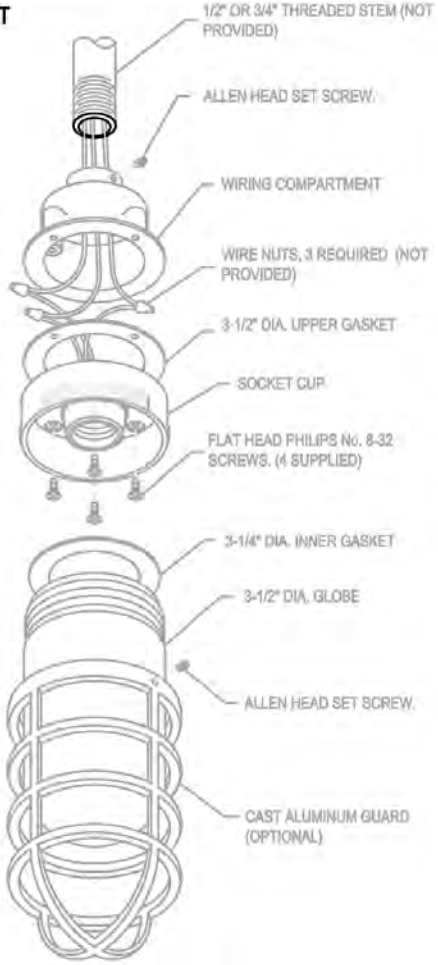
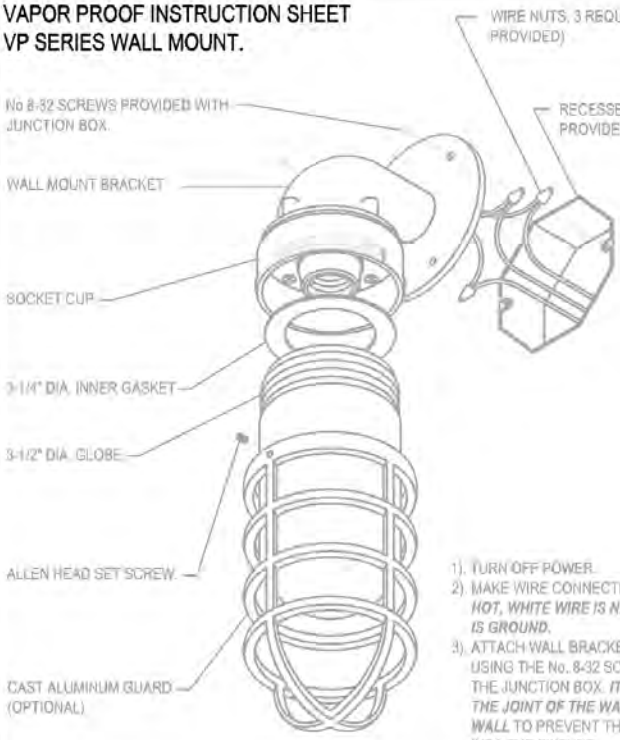


BockLighting 30901 Carter St. Solon, Ohio 44139 P: 216-912-7050 F: 216-912-7051

VAPOR PROOF INSTRUCTION SHEET
VP SERIES WALL MOUNT.



1). TURN OFF POWER.
2). MAKE WIRE CONNECTIONS. ***BLACK WIRE IS HOT, WHITE WIRE IS NEUTRAL, GREEN WIRE IS GROUND.***
3). ATTACH WALL BRACKET TO JUNCTION BOX USING THE No. 8-32 SCREWS PROVIDED WITH THE JUNCTION BOX. ***IT IS NECESSARY TO SEAL THE JOINT OF THE WALL BRACKET AND THE WALL*** TO PREVENT THE ENTRANCE OF WATER INTO THE FIXTURE.
4). PLACE GASKET INSIDE SOCKET CUP AND TURN GLOBE INTO PLACE.
5). THREAD OPTIONAL CAST GUARD ONTO SOCKET CUP AND LOCK IN PLACE BY TIGHTENING ALLEN HEAD SET SCREW WITH 3mm ALLEN WRENCH (NOT PROVIDED).

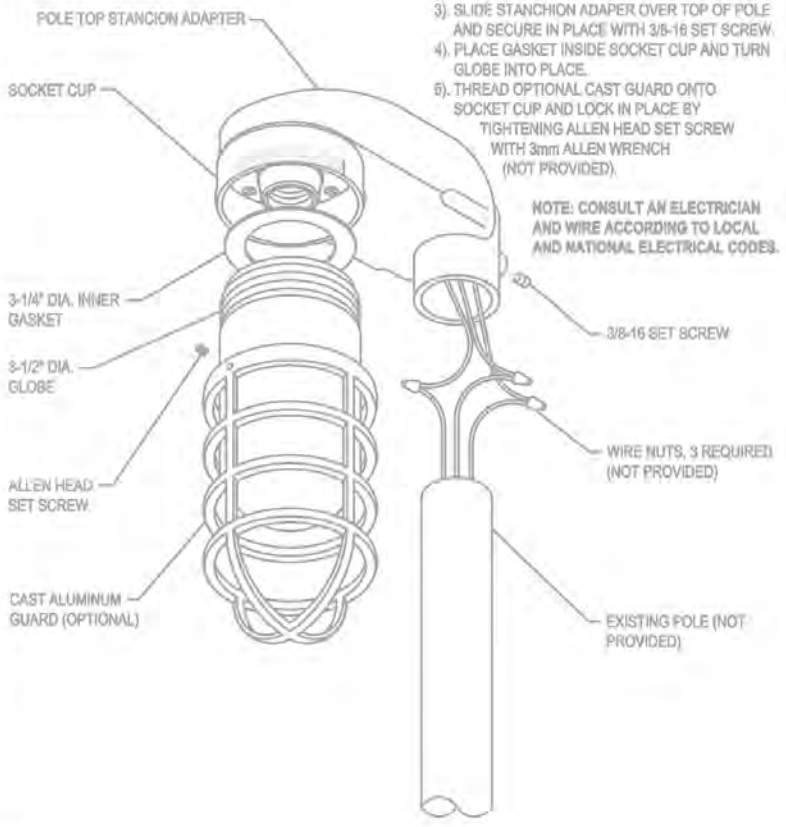
NOTE: CONSULT AN ELECTRICIAN AND WIRE ACCORDING TO LOCAL AND NATIONAL ELECTRICAL CODES.

BockLighting 30901 Carter St. Solon, Ohio 44139 P: 216-912-7050 F: 216-912-7051

VAPOR PROOF INSTRUCTION SHEET
VP SERIES STANCHION MOUNT.

1). TURN OFF POWER.
2). MAKE WIRE CONNECTIONS: ***BLACK WIRE IS HOT, WHITE WIRE IS NEUTRAL, GREEN WIRE IS GROUND.***
3). SLIDE STANCHION ADAPER OVER TOP OF POLE AND SECURE IN PLACE WITH 3/8-16 SET SCREW.
4). PLACE GASKET INSIDE SOCKET CUP AND TURN GLOBE INTO PLACE.
5). THREAD OPTIONAL CAST GUARD ONTO SOCKET CUP AND LOCK IN PLACE BY TIGHTENING ALLEN HEAD SET SCREW WITH 3mm ALLEN WRENCH (NOT PROVIDED).

NOTE: CONSULT AN ELECTRICIAN AND WIRE ACCORDING TO LOCAL AND NATIONAL ELECTRICAL CODES.



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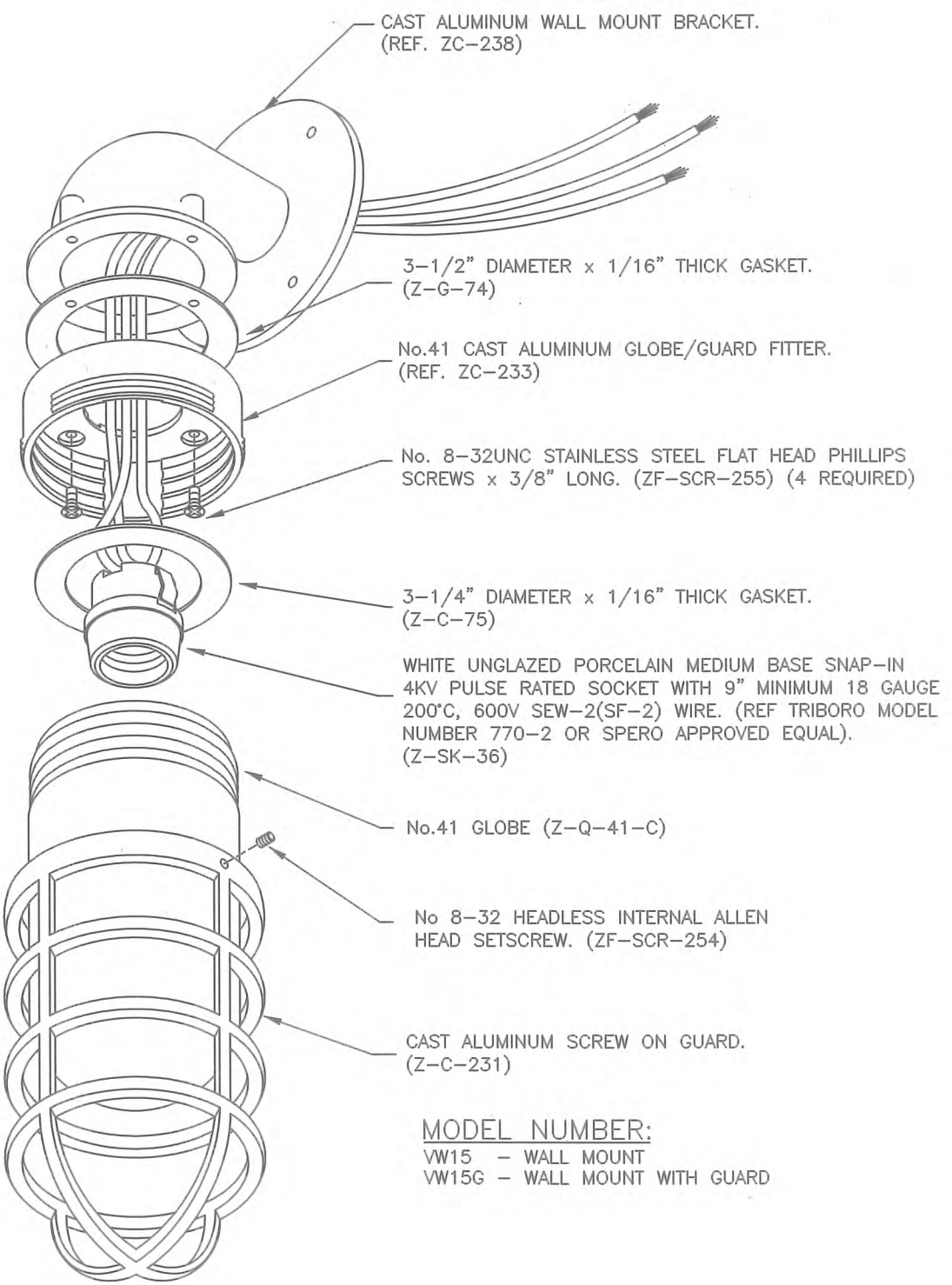


IMPORTANT - READ AND FOLLOW ALL SAFETY INSTRUCTIONS

- Make certain power is OFF before starting installation or attempting any maintenance.
- Fixture comes standard with a HOT, COMMON and GROUND wire or ground lug.
- Check fixture label for wire requirements.

SAVE THESE INSTRUCTIONS

Turn off power supply to avoid the risk of electrical shock. This product must be wired in accordance with the National Electrical Code and applicable local codes and ordinances. Proper grounding is required to ensure personal safety. A qualified electrician should do all work.

BockLighting

Styk Exterior Wall - Stem

SEW12146 2 in

SPI LIGHTING

PROJECT DETAILS

JOB NAME: RAISING CANE'S
TYPE: II
NOTES: FOR BLUE DOG BANNER

DESCRIPTION

PART # SEW 12146 3FT-L43W-AN08 120-277V 30K 3FT 0AP 18" - DF MCS

Styk was built to provide the most lumens with the smallest luminaire package, while optimizing life. Not limited to decorative lighting, effective functional lighting is provided through the optimal light control in this minimal package. It's three optical offerings enable tremendous flexibility including wall washing, wall grazing, and asymmetric lighting solutions. It is excellent at lighting signs and facades. The family features wall, ceiling, and pendant models in a variety of stylish, clean mounting options. Available in 1' to 8' lengths, Styk can be mounted individually or configured in runs.

FEATURES & BENEFITS

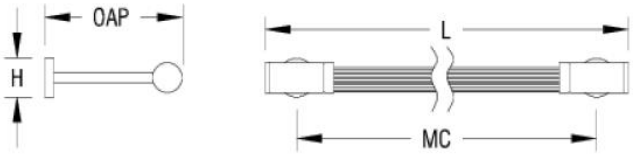
- A forward throw option, for even wall wash illumination, is standard
- Symmetrical optic options are available for more volumetric illumination
- Lamp body can be rotated up to 330° and locks into position for precise fixture alignment
- Up to 1,120 lumens delivered per foot
- Anodized finish provides durable corrosion protection
- All visible fasteners are flush mounted, providing a clean design
- Handcrafted in USA

SPECIFICATIONS

- **LIGHT SOURCE:** IP66 white LED light engine
- **LUMEN MAINTENANCE:** L70 life = 50,000+ hours
- **CCT**: 3000K, 3500K, or 4000K
- **VOLTAGE:** 120-277V standard
- **DRIVER:** Includes remote Class II power supply and enclosure. Black power cord standard unless otherwise specified. Each module requires connection to a 24V constant voltage power supply; modules over 60W may require multiple power supplies/feeds.
- **DIMMING:** 0-10V controls standard to 10% on LED light engines
- **EMERGENCY:** Emergency battery remote optional
- **INTEGRATED SURGE PROTECTION:** LED components are protected against minor surge events

- **CONSTRUCTION:** Extruded aluminum construction provides durable protection for internal components and is recyclable
- **FINISH:** Housing available in anodized finishes only. End caps and mounting components painted to match.
- **MODIFICATIONS:** Consult factory for all modification requests, including RGB and static LED colors
- **APPROVALS:** ETL listed to UL standards (US and Canada) for use in wet locations

DIMENSIONS



	H	L	OAP	MC
1FT	1.6 in 4.1 cm	20 in 50.8 cm	12 in 30.5 cm	16.2 in 41.1 cm

Mounting Weight: Consult Factory.

	H	L	OAP	MC
2FT	1.6 in 4.1 cm	31.7 in 80.5 cm	12 in 30.5 cm	28 in 71.1 cm

Mounting Weight: Consult Factory.

	H	L	OAP	MC
3FT	1.6 in 4.1 cm	43.5 in 110.5 cm	12 in 30.5 cm	39.7 in 100.8 cm

Mounting Weight: Consult Factory.

	H	L	OAP	MC
4FT	1.6 in 4.1 cm	55 in 139.7 cm	12 in 30.5 cm	51.2 in 130 cm

Mounting Weight: Consult Factory.

	H	L	OAP	MC
5FT	1.6 in 4.1 cm	67 in 170.2 cm	12 in 30.5 cm	63.2 in 160.5 cm

Mounting Weight: Consult Factory.

	H	L	OAP	MC
6FT	1.6 in 4.1 cm	80.7 in 205 cm	12 in 30.5 cm	77 in 195.6 cm

Mounting Weight: Consult Factory.

	H	L	OAP	MC
7FT	1.6 in 4.1 cm	92.7 in 235.5 cm	12 in 30.5 cm	89 in 226.1 cm

Mounting Weight: Consult Factory.

	H	L	OAP	MC
8FT	1.6 in 4.1 cm	104.7 in 265.9 cm	12 in 30.5 cm	101 in 256.5 cm

Mounting Weight: Consult Factory.

CONFIGURATOR

To configure your spec sheet online, go to www.spilighting.com/SEW12146. Not all options are available in all configurations; consult factory for details.

Required Field *

Catalog	Light Source:	Primary Finish:	Voltage:	Mounting:	Linear Run:	Lamp Options:	Emergency:	Optical Distribution:	Options:	Other Than Standard Options:
	A		B	C	D	E	F	G	H	I

A - LIGHT SOURCE *

To ensure color consistency, SPI uses precise bin selection and strict quality processes to maintain a 3-step (MacAdam) SDCM on all white LED lampings. Published LED luminaire wattages are calculated using a typical power supply efficiency of 88%; exact wattages may vary based on application. Delivered lumens shown below are for Forward Throw distribution.

1 FOOT NOMINAL FIXTURE

- ☐ **1FT-L4W** | White 4W LED Light Engine | Delivered Lumens: 312
- ☐ **1FT-L7W** | White 7W LED Light Engine | Delivered Lumens: 545
- ☐ **1FT-L14W** | White 14W LED Light Engine | Delivered Lumens: 1,091

2 FOOT NOMINAL FIXTURE

- ☐ **2FT-L8W** | White 8W LED Light Engine | Delivered Lumens: 623
- ☐ **2FT-L14W** | White 14W LED Light Engine | Delivered Lumens: 1,091
- ☐ **2FT-L29W** | White 29W LED Light Engine | Delivered Lumens: 2,259

3 FOOT NOMINAL FIXTURE

- ☐ **3FT-L11W** | White 11W LED Light Engine | Delivered Lumens: 857
- ☐ **3FT-L22W** | White 22W LED Light Engine | Delivered Lumens: 1,714
- ☐ **3FT-L43W** | White 43W LED Light Engine | Delivered Lumens: 3,350

4 FOOT NOMINAL FIXTURE

- ☐ **4FT-L15W** | White 15W LED Light Engine | Delivered Lumens: 1,169
- ☐ **4FT-L29W** | White 29W LED Light Engine | Delivered Lumens: 2,259
- ☐ **4FT-L57W** | White 57W LED Light Engine | Delivered Lumens: 4,440

5 FOOT NOMINAL FIXTURE

- ☐ **5FT-L19W** | White 19W LED Light Engine | Delivered Lumens: 1,480
- ☐ **5FT-L36W** | White 36W LED Light Engine | Delivered Lumens: 2,804
- ☐ **5FT-L72W** | White 72W LED Light Engine | Delivered Lumens: 5,609

6 FOOT NOMINAL FIXTURE

- ☐ **6FT-L23W** | White 23W LED Light Engine | Delivered Lumens: 1,792
- ☐ **6FT-L43W** | White 43W LED Light Engine | Delivered Lumens: 3,350
- ☐ **6FT-L86W** | White 86W LED Light Engine | Delivered Lumens: 6,699

7 FOOT NOMINAL FIXTURE

- ☐ **7FT-L27W** | White 27W LED Light Engine | Delivered Lumens: 2,103
- ☐ **7FT-L50W** | White 50W LED Light Engine | Delivered Lumens: 3,895
- ☐ **7FT-L100W** | White 100W LED Light Engine | Delivered Lumens: 7,790

8 FOOT NOMINAL FIXTURE

- ☐ **8FT-L31W** | White 31W LED Light Engine | Delivered Lumens: 2,337
- ☐ **8FT-L57W** | White 57W LED Light Engine | Delivered Lumens: 4,440
- ☐ **8FT-L115W** | White 115W LED Light Engine | Delivered Lumens: 8,959

See last page for finish options

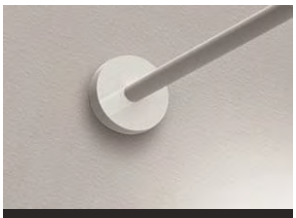
B - VOLTAGE

- ☐ **120-277V** | Universal Voltage

C - MOUNTING

MCS mount includes a 72" flexible connection to remote power supply. Additional mounting structure and hardware required (by others). SBC mounts to standard 2" x 4" switch box. INSTALLATION NOTES: During installation the contractor is responsible to use actual fixtures to ensure accurate mounting centers from one fixture to the next along the length of the linear run. Choose a mounting from below:

- ☐ **DF_MCS** | Mini Canopy (default)
- ☐ **SBC** | Switch-Box Cover and Stem



MCS

SBC

D - LINEAR RUN

☐ **RUN** [1] | Continuous Run **OAL** | Specify Length of Run Length: **3'**

[1] For a take-off and pricing, contact factory

E - LAMP OPTIONS

Delivered lumens shown are at 4000K CCT; apply multiplier for delivered lumens at other CCT.

- ☐ **3000K** [2] | 3000K CCT
- ☐ **3500K** [3] | 3500K CCT
- ☐ **4000K** | 4000K CCT

[2] Apply .95 multiplier for delivered lumens

[3] Apply .97 multiplier for delivered lumens

F - EMERGENCY

- ☐ **EMR** | Emergency Battery Remote

G - OPTICAL DISTRIBUTION

See IES zip file for photometrics and polar plot for each distribution.

- ☐ **DF_FT** | LED-Forward Throw (default)
- ☐ **SMA** [4] | LED-Symmetric 60 Degree Beam - 120 Degree spread
- ☐ **SMB** [5] | LED-Symmetric 30 Degree Beam - 60 Degree spread

[4] Delivered lumens are 85% of Forward Throw output shown above

[5] Delivered lumens are 77% of Forward Throw output shown above

H - OPTIONS

- ☐ **F** | Fusing

I - OTHER THAN STANDARD OPTIONS

Specify overall projection required from wall to the end of the fixture. Overall projection greater than standard includes aircraft cable support kit.

☐ **OAP** | Projection length other than standard. Length: **18"**

Available Finishes

Not all finishes are available in all configurations; consult factory for details.

Anodized

AN04 Anodized	**AN08** Anodized Black

Styk Exterior Wall - Stem

SEW12146 2 in

SPI LIGHTING

PROJECT DETAILS

JOB NAME: RAISING CANE'S
TYPE: II
NOTES: FOR DRIVE THRU MURAL

DESCRIPTION

PART # SEW 12146 3FT-L43W-AN08 120-277V 30K 3FT 0AP 18" - DF MCS

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- **VOLTAGE:** 120-277V standard
- **DRIVER:** Includes remote Class II power supply and enclosure. Black power cord standard unless otherwise specified. Each module requires connection to a 24V constant voltage power supply; modules over 60W may require multiple power supplies/feeds.
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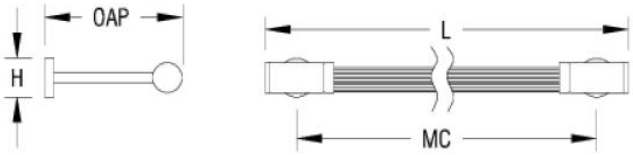

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2 FOOT NOMINAL FIXTURE

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See last page for finish options

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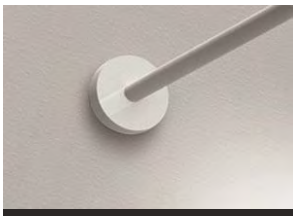
- ☐ **DF_MCS** | Mini Canopy (default)
- ☐ **SBC** | Switch-Box Cover and Stem



MCS

SBC

D - LINEAR RUN

☐ **RUN** [1] | Continuous Run **OAL** | Specify Length of Run Length: **13.55'**

[1] For a take-off and pricing, contact factory

E - LAMP OPTIONS

Delivered lumens shown are at 4000K CCT; apply multiplier for delivered lumens at other CCT.

- ☐ **3000K** [2] | 3000K CCT
- ☐ **3500K** [3] | 3500K CCT
- ☐ **4000K** | 4000K CCT

[2] Apply .95 multiplier for delivered lumens

[3] Apply .97 multiplier for delivered lumens

F - EMERGENCY

- ☐ **EMR** | Emergency Battery Remote

G - OPTICAL DISTRIBUTION

See IES zip file for photometrics and polar plot for each distribution.

- ☐ **DF_FT** | LED-Forward Throw (default)
- ☐ **SMA** [4] | LED-Symmetric 60 Degree Beam - 120 Degree spread
- ☐ **SMB** [5] | LED-Symmetric 30 Degree Beam - 60 Degree spread

[4] Delivered lumens are 85% of Forward Throw output shown above

[5] Delivered lumens are 77% of Forward Throw output shown above

H - OPTIONS

- ☐ **F** | Fusing

I - OTHER THAN STANDARD OPTIONS

Specify overall projection required from wall to the end of the fixture. Overall projection greater than standard includes aircraft cable support kit.

☐ **OAP** | Projection length other than standard. Length: **18"**

Available Finishes

Not all finishes are available in all configurations; consult factory for details.

Anodized

AN04 Anodized	**AN08** Anodized Black

Styk Exterior Wall - Stem

SEW12146 2 in

SPI LIGHTING

PROJECT DETAILS

JOB NAME: RAISING CANE'S
TYPE: II
NOTES: PROTO 6 MURAL LIGHT

DESCRIPTION

PART # SEW 12146 4FT L56W AN08 120-277V 30K 4FT RUN OAL 18' MOD

Styk was built to provide the most lumens with the smallest luminaire package, while optimizing life. Not limited to decorative lighting, effective functional lighting is provided through the optimal light control in this minimal package. It's three optical offerings enable tremendous flexibility including wall washing, wall grazing, and asymmetric lighting solutions. It is excellent at lighting signs and facades. The family features wall, ceiling, and pendant models in a variety of stylish, clean mounting options. Available in 1' to 8' lengths, Styk can be mounted individually or configured in runs.

FEATURES & BENEFITS

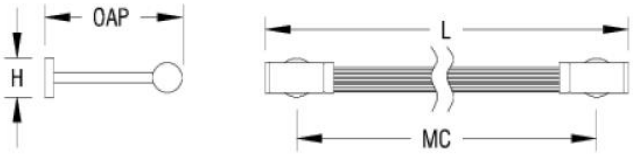
- A forward throw option, for even wall wash illumination, is standard
- Symmetrical optic options are available for more volumetric illumination
- Lamp body can be rotated up to 330° and locks into position for precise fixture alignment
- Up to 1,120 lumens delivered per foot
- Anodized finish provides durable corrosion protection
- All visible fasteners are flush mounted, providing a clean design
- Handcrafted in USA

SPECIFICATIONS

- **LIGHT SOURCE:** IP66 white LED light engine
- **LUMEN MAINTENANCE:** L70 life = 50,000+ hours
- **CCT**: 3000K, 3500K, or 4000K
- **VOLTAGE:** 120-277V standard
- **DRIVER:** Includes remote Class II power supply and enclosure. Black power cord standard unless otherwise specified. Each module requires connection to a 24V constant voltage power supply; modules over 60W may require multiple power supplies/feeds.
- **DIMMING:** 0-10V controls standard to 10% on LED light engines
- **EMERGENCY:** Emergency battery remote optional
- **INTEGRATED SURGE PROTECTION:** LED components are protected against minor surge events

- **CONSTRUCTION:** Extruded aluminum construction provides durable protection for internal components and is recyclable
- **FINISH:** Housing available in anodized finishes only. End caps and mounting components painted to match.
- **MODIFICATIONS:** Consult factory for all modification requests, including RGB and static LED colors
- **APPROVALS:** ETL listed to UL standards (US and Canada) for use in wet locations

DIMENSIONS



	H	L	OAP	MC
1FT	1.6 in 4.1 cm	20 in 50.8 cm	12 in 30.5 cm	16.2 in 41.1 cm

Mounting Weight: Consult Factory.

	H	L	OAP	MC
2FT	1.6 in 4.1 cm	31.7 in 80.5 cm	12 in 30.5 cm	28 in 71.1 cm

Mounting Weight: Consult Factory.

	H	L	OAP	MC
3FT	1.6 in 4.1 cm	43.5 in 110.5 cm	12 in 30.5 cm	39.7 in 100.8 cm

Mounting Weight: Consult Factory.

	H	L	OAP	MC
4FT	1.6 in 4.1 cm	55 in 139.7 cm	12 in 30.5 cm	51.2 in 130 cm

Mounting Weight: Consult Factory.

	H	L	OAP	MC
5FT	1.6 in 4.1 cm	67 in 170.2 cm	12 in 30.5 cm	63.2 in 160.5 cm

Mounting Weight: Consult Factory.

	H	L	OAP	MC
6FT	1.6 in 4.1 cm	80.7 in 205 cm	12 in 30.5 cm	77 in 195.6 cm

Mounting Weight: Consult Factory.

	H	L	OAP	MC
7FT	1.6 in 4.1 cm	92.7 in 235.5 cm	12 in 30.5 cm	89 in 226.1 cm

Mounting Weight: Consult Factory.

	H	L	OAP	MC
8FT	1.6 in 4.1 cm	104.7 in 265.9 cm	12 in 30.5 cm	101 in 256.5 cm

Mounting Weight: Consult Factory.

CONFIGURATOR

To configure your spec sheet online, go to www.spilighting.com/SEW12146. Not all options are available in all configurations; consult factory for details.

Required Field *

Catalog	Light Source:	Primary Finish:	Voltage:	Mounting:	Linear Run:	Lamp Options:	Emergency:	Optical Distribution:	Options:	Other Than Standard Options:
	A		B	C	D	E	F	G	H	I

A - LIGHT SOURCE *

To ensure color consistency, SPI uses precise bin selection and strict quality processes to maintain a 3-step (MacAdam) SDCM on all white LED lampings. Published LED luminaire wattages are calculated using a typical power supply efficiency of 88%; exact wattages may vary based on application. Delivered lumens shown below are for Forward Throw distribution.

1 FOOT NOMINAL FIXTURE

- ☐ **1FT-L4W** | White 4W LED Light Engine | Delivered Lumens: 312
- ☐ **1FT-L7W** | White 7W LED Light Engine | Delivered Lumens: 545
- ☐ **1FT-L14W** | White 14W LED Light Engine | Delivered Lumens: 1,091

2 FOOT NOMINAL FIXTURE

- ☐ **2FT-L8W** | White 8W LED Light Engine | Delivered Lumens: 623
- ☐ **2FT-L14W** | White 14W LED Light Engine | Delivered Lumens: 1,091
- ☐ **2FT-L29W** | White 29W LED Light Engine | Delivered Lumens: 2,259

3 FOOT NOMINAL FIXTURE

- ☐ **3FT-L11W** | White 11W LED Light Engine | Delivered Lumens: 857
- ☐ **3FT-L22W** | White 22W LED Light Engine | Delivered Lumens: 1,714
- ☐ **3FT-L43W** | White 43W LED Light Engine | Delivered Lumens: 3,350

4 FOOT NOMINAL FIXTURE

- ☐ **4FT-L15W** | White 15W LED Light Engine | Delivered Lumens: 1,169
- ☐ **4FT-L29W** | White 29W LED Light Engine | Delivered Lumens: 2,259
- ☐ **4FT-L57W** | White 57W LED Light Engine | Delivered Lumens: 4,440

5 FOOT NOMINAL FIXTURE

- ☐ **5FT-L19W** | White 19W LED Light Engine | Delivered Lumens: 1,480
- ☐ **5FT-L36W** | White 36W LED Light Engine | Delivered Lumens: 2,804
- ☐ **5FT-L72W** | White 72W LED Light Engine | Delivered Lumens: 5,609

6 FOOT NOMINAL FIXTURE

- ☐ **6FT-L23W** | White 23W LED Light Engine | Delivered Lumens: 1,792
- ☐ **6FT-L43W** | White 43W LED Light Engine | Delivered Lumens: 3,350
- ☐ **6FT-L86W** | White 86W LED Light Engine | Delivered Lumens: 6,699

7 FOOT NOMINAL FIXTURE

- ☐ **7FT-L27W** | White 27W LED Light Engine | Delivered Lumens: 2,103
- ☐ **7FT-L50W** | White 50W LED Light Engine | Delivered Lumens: 3,895
- ☐ **7FT-L100W** | White 100W LED Light Engine | Delivered Lumens: 7,790

8 FOOT NOMINAL FIXTURE

- ☐ **8FT-L31W** | White 31W LED Light Engine | Delivered Lumens: 2,337
- ☐ **8FT-L57W** | White 57W LED Light Engine | Delivered Lumens: 4,440
- ☐ **8FT-L115W** | White 115W LED Light Engine | Delivered Lumens: 8,959

See last page for finish options

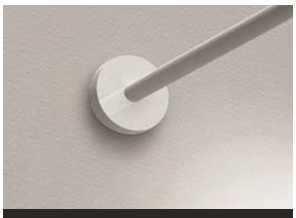
B - VOLTAGE

- ☐ **120-277V** | Universal Voltage

C - MOUNTING

MCS mount includes a 72" flexible connection to remote power supply. Additional mounting structure and hardware required (by others). SBC mounts to standard 2" x 4" switch box. INSTALLATION NOTES: During installation the contractor is responsible to use actual fixtures to ensure accurate mounting centers from one fixture to the next along the length of the linear run. Choose a mounting from below:

- ☐ **DF_MCS** | Mini Canopy (default)
- ☐ **SBC** | Switch-Box Cover and Stem



MCS

SBC

D - LINEAR RUN

☐ **RUN** [1] | Continuous Run **OAL** | Specify Length of Run Length: **3'**

[1] For a take-off and pricing, contact factory

E - LAMP OPTIONS

Delivered lumens shown are at 4000K CCT; apply multiplier for delivered lumens at other CCT.

- ☐ **3000K** [2] | 3000K CCT
- ☐ **3500K** [3] | 3500K CCT
- ☐ **4000K** | 4000K CCT

[2] Apply .95 multiplier for delivered lumens

[3] Apply .97 multiplier for delivered lumens

F - EMERGENCY

- ☐ **EMR** | Emergency Battery Remote

G - OPTICAL DISTRIBUTION

See IES zip file for photometrics and polar plot for each distribution.

- ☐ **DF_FT** | LED-Forward Throw (default)
- ☐ **SMA** [4] | LED-Symmetric 60 Degree Beam - 120 Degree spread
- ☐ **SMB** [5] | LED-Symmetric 30 Degree Beam - 60 Degree spread

[4] Delivered lumens are 85% of Forward Throw output shown above

[5] Delivered lumens are 77% of Forward Throw output shown above

H - OPTIONS

- ☐ **F** | Fusing

I - OTHER THAN STANDARD OPTIONS

Specify overall projection required from wall to the end of the fixture. Overall projection greater than standard includes aircraft cable support kit.

☐ **OAP** | Projection length other than standard. Length: **18"**

Available Finishes

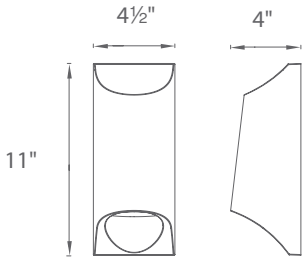
Not all finishes are available in all configurations; consult factory for details.

Anodized

AN04 Anodized	**AN08** Anodized Black

MEGA– model: CI-WS-W70612

Custom LED Exterior Sconce



Fixture Type: JJ

Catalog Number: WS-W70612-BK

Project: RAISING CANE'S

Location: EXTERIOR

PRODUCT DESCRIPTION

A purposeful asymmetrical wall mounted up or down light design brightly illuminates walkways and provides security with an attractive simple architectural form.

SPECIFICATIONS

Construction: Aluminum

Light Source: High output LED.

Finish: Black (BK)

Standards: ETL & cETL wet location listed IP 65. ADA compliant.

FEATURES

- Luminaire may be rotated 180° when mounting
- ADA compliant for, low profile design
- ETL & cETL wet location listed, IP65 rated
- Up or down light
- Dark Sky friendly
- Aluminum construction
- Full range dimming when used with compatible dimmers*
- Driver located in inside fixture
- Universal driver (120V-220V-277V)
- 60,000 hour rated life
- Color Temp: 3000K
- CRI: 90

ORDER NUMBER

Model	Height	Wattage	Voltage	LED Lumens	Delivered Lumens	Finish
CI-WS-W70612	*11"*	*25W*	*120V-220V-277V*	*845*	*610*	**BK** *Black*

Example: **CI-WS-W70612-BK**

* - Refer to dimmer compatibility report for more details.

modernforms.com
Phone (800) 526.2588
Fax (800) 526.2585

Headquarters/Eastern Distribution Center
44 Harbor Park Drive
Port Washington, NY 11050

Central Distribution Center
1600 Distribution Ct
Lithia Springs, GA 30122

Western Distribution Center
1750 Archibald Avenue
Ontario, CA 91760

WAC Lighting retains the right to modify the design of our products at any time as part of the company's continuous improvement program. NOV 2017

Wattage & Color Temperature

SELECTABLE

T633LEDB

SMALL LED FULL CUT-OFF WALL PACK

JOB INFORMATION

Type: _____

Catalog No: _____

Project Name: _____

Comments: _____

_____

Prepared by: _____

T633LEDB

FEATURES

USE OF PRODUCT
The intended use of this product is for any outdoor commercial or industrial building accent, pedestrian walkways, public access areas, or recreation areas.

HOUSING
Rugged die cast aluminum housing with hinged frame. 1/2" Coin plugs with O-rings for conduit & photocell.

FINISH
Matt-finished, architectural bronze powdercoat over a precise chromate conversion coating. Available in standard dark polyester bronze or consult factory for made to order architectural finishes.

OPTICS
Tempered UV coated flat lens provide outstanding performance, uniformity, and glare control.

LED
LED engine available in 3500K, 4000K, 5000K. Color temperature may be modified in field or preset by factory. LED Mounted to aluminum heat sink for maximum life output and thermal management.

DRIVER
Durable and long lasting LED driver operates at 120-277V and boasts a 90% power factor at 50 to 60 Hz with 0-10V Dimming Constant Current. Fixture available in two packages. LS1 (1300, 2600, 3900, 5200lm) & LS3 (3900, 7800, 11700, 15600lm). Watts may be modified in field or preset by factory available upon request -30°C Min Temp. 45°C Max Temp.

MOUNTING
Cast-in template for mounting directly over a 4" recessed outlet box or 1/2" surface conduit.

LISTINGS/COMPLIANCE
- DLC.
- UL - Listed for wet location.
- Dark Sky Compliant
- CEC compliant emergency driver.

PERFORMANCE DATA

Wattage	Delivered Lumens	Voltage	CRI
10W	1300lm	120-277V	70
20W	2600lm	120-277V	70
30W	3900lm	120-277V	70
40W	5200lm	120-277V	70

130 lm per watt

Wattage	Delivered Lumens	Voltage	CRI
30W	3900lm	120-277V	70
60W	7800lm	120-277V	70
90W	11700lm	120-277V	70
120W	15600lm	120-277V	70

130 lm per watt

ORDERING INFO

SERIES
- **T633LEDB**

WATT/LUMENS
- **WS4** - Wattage Selectable (10W, 20W, 30W, 40W)
- **10W** - Lumens set at 10W
- **20W** - Lumens set at 20W
- **30W** - Lumens set at 30W
- **40W** - Lumens set at 40W
- **WS12** - Wattage Selectable (30W, 60W, 90W, 120W)
- **30W** - Lumens set at 30W
- **60W** - Lumens set at 60W
- **90W** - Lumens set at 90W
- **120W** - Lumens set at 120W

VOLTAGE
- **UNV** - 120V-277V

COLOR TEMPERATURE
- **CTS** - Color Temperature Selectable (3000K, 4000K, 5000K)
- **30K** - Color Temp. set at 3000K
- **40K** - Color Temp. set at 4000K
- **50K** - Color Temp. set at 5000K

OPTICS
- **T3** - Type 3

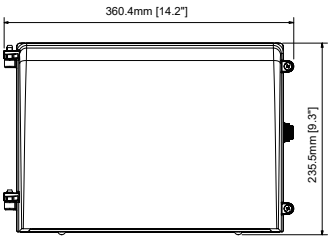
FINISH
- **BZ** - Bronze
- **MTO** - Made to order
- **MGTO** - Marine grade made to order

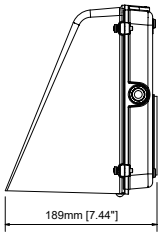
OPTIONS
- **PC** - Photocell 120-277V
- **EM** - Emergency battery
- **MW** - Microwave Motion sensor
- **MSI** - Standard PIR (Integral)motion sensor
- **MFI** - FSP311 PIR (Integral)motion sensor
- **SP10** - Surge protector

T633LEDB

SMALL LED FULL CUT-OFF WALL PACK

DIMENSIONS





Weight: 7 lbs

USLED
Always the Right Choice!

L-Grid®2EH 1x1

Outdoor LED Soffit Canopy Luminaire

Project	Date

Catalog Number	Type

Product Performance Summary

Lumen Output	Up to 2,793 lumens
Efficacy	Up to 118 LPW
CRI	≥ 80 CRI
Available CCT	3500K, 4000K & 5000K
Warranty	Ten-Year Warranty

Key Features

- Energy-efficient LED luminaire designed for covered soffit or canopy applications.
- Low profile design, only 3.2 inches high.
- Excellent uniformity of light in covered areas.
- Surface mounted or recessed mounted.
- Optional constant power battery back-up accessory available.
- Low-profile design provides flexibility for installing in confined areas.

Construction

- .042” thick cold rolled steel frame protects integral components from harsh environments and optimizes thermal management.
- Housing is protected by a corrosion resistant powder coat finish, painted white.
- Frosted white lens offers complete shielding and uniform light distribution that’s glare-free.
- Weight: 6.0 lbs. (2.7kg).

Electrical

- 120-277VAC input.
- 0-10V dimming available.
- System power factor >90% and THD <20%.
- Photocell options available. [3]
- Operating temperature: -30°C to +45°C (-22°F to +113°F)

Optics

- Edge-to-edge illumination with no visible bright spots or pixelation.
- Industry leading LEDs with 3500K, 4000K, and 5000K CCT (minimum 80 CRI).
- Lumen Maintenance: 200,000 hours (L70)[1]

Mounting

- Standard luminaire is designed to be recessed or surface mounted with kit accessory (sold separately). [4]

Warranty

- Backed by US LED’s industry-leading Ten-Year warranty.

Product Overview

For applications in walkways, overhangs, canopies, bathrooms, or confined spaces, US LED offers the L-Grid® 2EH 1x1. The L-Grid®2EH 1x1 is an attractive and low-profile soffit solution that will blend in with the surrounding area while delivering an exceptional quality of light. Installation is simple and straight-forward, regardless of the application.

Product Applications

- Covered Walkways
- Educational Facilities
- Business Campuses
- Industrial Facilities
- Parking Garages
- Security Lighting
- Building Entrances
- Commercial Exteriors

Product Certifications

- UL Listed
- Complies with UL1598 and CSA C22.2
- Suitable for Damp Locations [2]
- DLC Listed
- RoHS Compliant

Ordering Information

Example: GTR2-11EH-35-80-UNV2-S

GTR2	11EH				
Series	**Size**	**CCT**	**CRI**	**Input Voltage**	**Flux Level**
		35 3500K	**80** 80 CRI	**UNV2** 120-277V	**S** Standard
		40 4000K			
		50 5000K			

Accessories (Sold Separately)		
☐	DW-11	1x1 Drywall Install Kit
☐	SSMK1	1x1 Surface Mount Kit
☐	ILB-CP10-HE	Constant Power HE LED Emergency Driver
☐	IP710-LFZ	Leviton® Wall Control Dimmer
☐	EK4036S	Intermatic Photocell Button | 120-277V
☐	EK4136S	Intermatic Photocell Stem Mount | 120-277V

1. Product ‘Lifetimes’ refer only to the LED light engine, not the power source, and are based on the Illuminating Engineering Society’s TM21 Projected Lumen Maintenance methodology at a 25° C / 77° F ambient temperature. The lifetimes are solely meant to be a guide for expected LED degradation and not a warranty or predictive of their actual life, which can be affected by ambient temperatures and other factors.
2. Suitable for damp locations when installed in a covered ceiling mount location.
3. Must be installed remotely.
4. SSMK1 accessory kit option required for surface mounting.

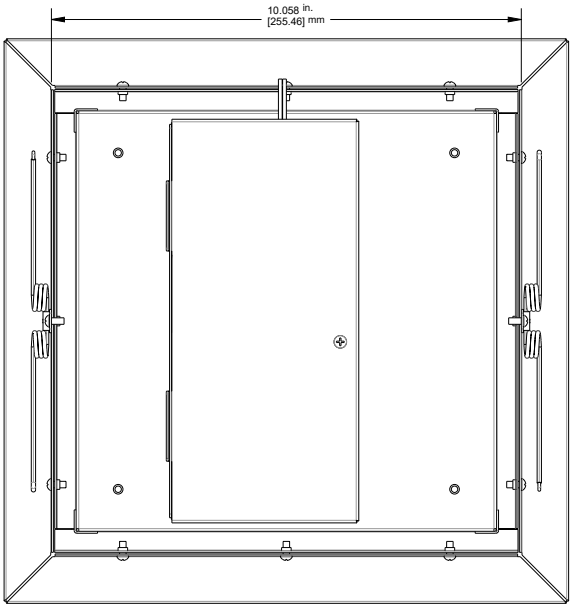
L-Grid®2EH 1x1

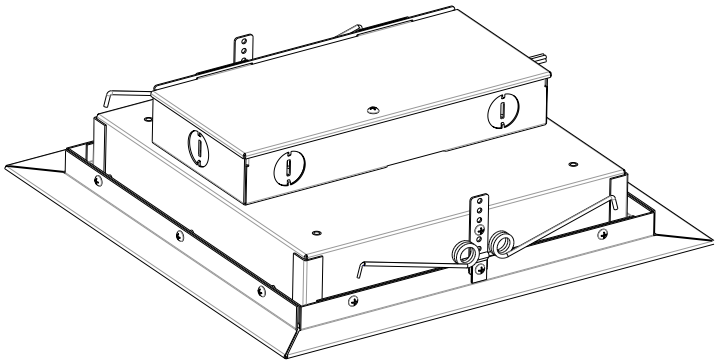
Outdoor LED Soffit Canopy Luminaire

USLED
Always the Right Choice!

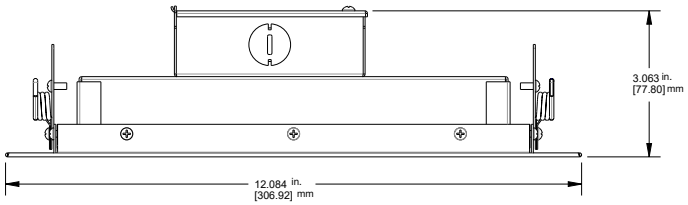
Dimensions

Bottom View

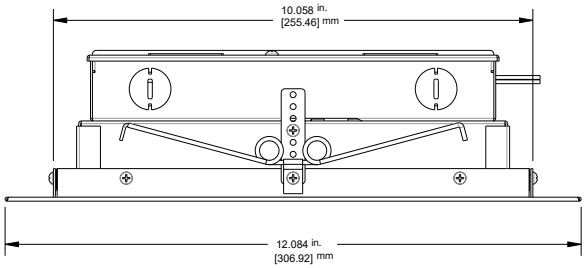




Side View



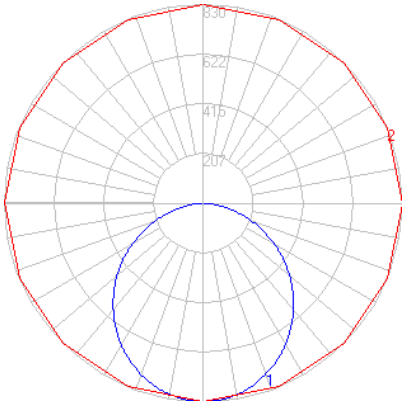
Side View



Performance Data

Luminaire Photometric Data

Model Number	**GTR2-11EH-35-80-UNV2-S**
Issue Date	**10/26/2015**
IESNA	**LM-63-2002**
Lamp	**LED**
Total Input Watts	**23.5**
Total Lumens	**2,793**
Efficacy	**118 LPW**
BUG Rating	**B2-U2-G1**



Model	System Level Power	Delivered Lumens	Efficacy	CCT	L70 Calculate Life	L85 Calculate Life
GTR2-11EH-35-80-UNV2-S	23.5W	2,793	118 LPW	3500K	200,000 Hours	129,000 Hours
GTR2-11EH-40-80-UNV2-S	23.5W	2,756	117 LPW	4000K	200,000 Hours	129,000 Hours
GTR2-11EH-50-80-UNV2-S	23.5W	2,789	118 LPW	5000K	200,000 Hours	129,000 Hours

L-Grid®2EH 1x1

Outdoor LED Soffit Canopy Luminaire

Accessories

SSMK1 [4] - L-Grid2EH 1x1 Surface Mount Kit

Overview

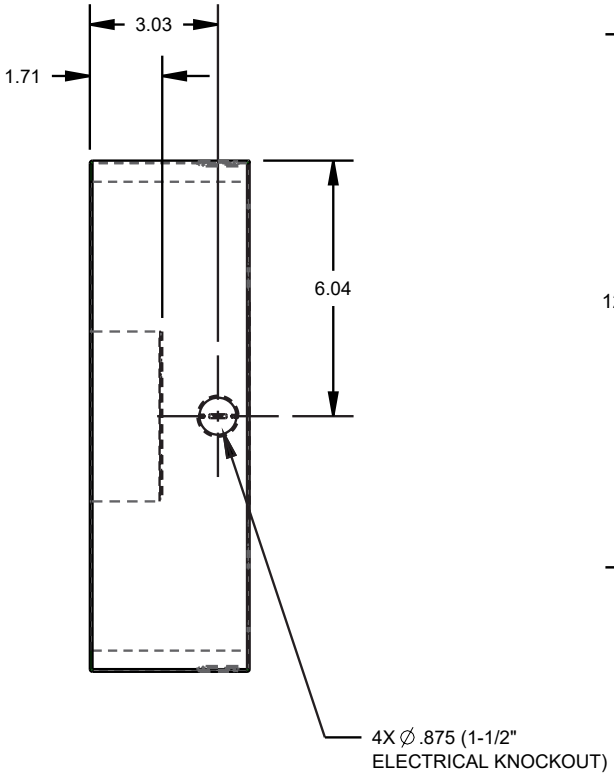
The SSMK1 surface mount kit allows for US LED's L-Grid®2EH 1x1 lighting solution to be field installed on the surface of a canopy or soffit. This surface mount kit is designed with multiple knockouts to provide flexibility for power feed.

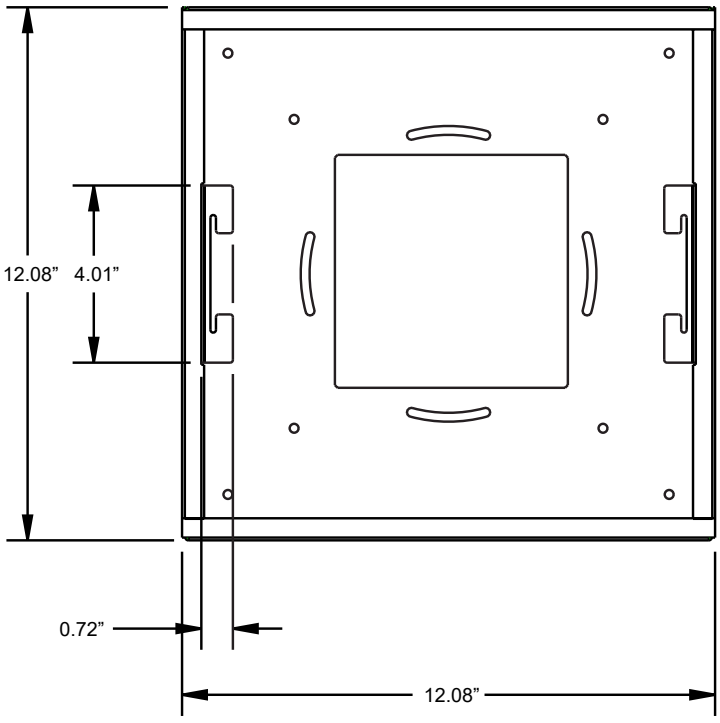
Key Features

- Kit facilitates easy surface mount installation of the L-Grid®2EH 1x1 soffit luminaire.
- Multiple knockouts offer flexible location for power feed.
- Suitable for damp locations.
- RoHS Compliant.

Construction

- Sheet metal construction with white powder coat finish ensures maximum protection against potential rust.
- Formed edges are smooth for safe handling while installing.





Accessories

DW-11 - L-Grid2EH 1x1 Drywall Installation Kit

Overview

The DW-11 installation kit allows for US LED's L-Grid®2EH 1x1 lighting solution to be recessed in the drywall of a canopy or soffit.

Key Features

- Kit facilitates easy recessed installation of the L-Grid®2EH 1x1 soffit luminaire.
- Suitable for damp locations.
- RoHS Compliant.

IP710-LFZ - Leviton® Wall Control Slide Dimmer

Overview

Leviton offers many products that will help lower electrical costs and add convenience to everyday living. By simply replacing standard switches with dimmers reduces energy consumption and extends bulb life. IllumaTech Preset Dimmers feature a low-profile fluid slide bar movement for fine adjustment of light levels or fan speeds that's accompanied by an easy-to-use ON/OFF preset switch. The switch provides quick ON/OFF control without disturbing your favorite pre-selected settings. Most feature a built-in LED locater light, as well.

Key Features

- 1200VA, 120/277 Volt AC 60Hz
- Single-Pole & 3-Way
- IllumaTech Preset Electro-Mechanical Electronic 0-10VDC LED Power
- Supply Dimmer - White face assembled on device. Ivory and Light Almond available.

Due to continued product improvements, product specifications are subject to change without notice. Please visit www.usled.com for the most updated product specifications.

Accessories

ILB-CP10A-HE - Constant Power High-Efficiency LED Emergency Driver

Overview

The ILB-CP10-HE from IOTA Engineering is a UL Listed LED emergency driver for field or factory installation that allows the same LED fixture to be used for both normal and emergency operation. In the event of a power failure, the ILB-CP10-HE switches to the emergency mode and operates the existing fixture for 90 minutes. The unit contains a battery, charger, and converter circuit in a single enclosure and is available in different mounting configurations for individual fixture requirements. The ILB CP10-HE will operate an LED array load at 10 watts with constant power at a rated output voltage of 10V-60V.

Key Features

- High-efficiency performance meets CA T20 battery charger efficiency standards.
- UL Listed (UL924/UL1310) for factory and field installations.
- Patented constant power design maintains illumination throughout the 90-minute runtime with no light degradation.
- Two-wire universal AC input.
- Output Class 2 compliant.
- Six mounting configurations available.
- Long life high temperature Ni-Cad battery.
- Includes single-piece TBTS test switch and charge indicator accessory kit.
- Meets or exceeds all NEC, IBC, and Life Safety Code Emergency Lighting requirements.

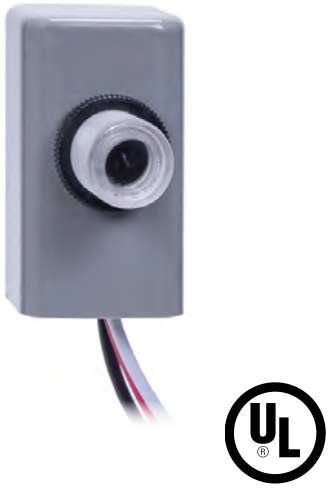
EK4036S [3] - Intermatic Photocell | 120-277V | Button

Overview

Maximize your LED investment and save energy and maintenance costs with long-life photocontrol. Fixed mount photocontrols provide an energy-saving solution for luminaires designed with knockouts. The photocontrol can be permanently affixed onto exterior lighting installations.

Key Features

- Zero-crossing electronic circuitry for extended life*
- Conformal coated PCB assemblies for long term reliability*
- Non-drift silicon light sensor with IR filter
- Enhanced surge protection with 255 J, 510 J, and 685 J MOV components
- Meet or exceed ANSI C136.10 C136.24 and UL/CSA requirements Fail ON setting keeps the light ON until a photocontrol can be serviced, ensuring safety and security
- Tested to full ON/OFF lifecycles under tungsten, magnetic and electronic ballast/LED driver loads
- 10 to 20-year design life



EK4136S [3] - Intermatic Photocell | 120-277V | Stem Mount

Overview

Maximize your LED investment and save energy and maintenance costs with long-life photocontrol. Fixed mount photocontrols provide an energy-saving solution for luminaires designed with knockouts. The photocontrol can be permanently affixed onto exterior lighting installations.

Key Features

- Zero-crossing electronic circuitry for extended life*
- Conformal coated PCB assemblies for long term reliability*
- Non-drift silicon light sensor with IR filter
- Enhanced surge protection with 255 J, 510 J, and 685 J MOV components
- Meet or exceed ANSI C136.10 C136.24 and UL/CSA requirements Fail ON setting keeps the light ON until a photocontrol can be serviced, ensuring safety and security
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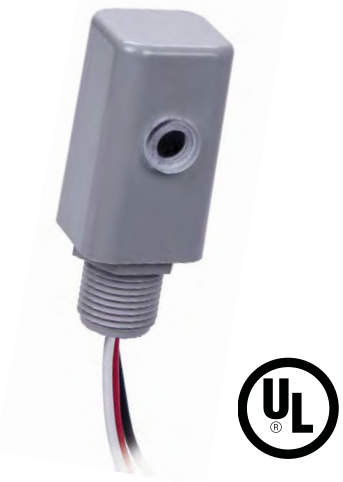


TUBE - model: FM-W26

LED Ceiling Mount

WAC LIGHTING
Responsible Lighting®

Fixture Type: X

Catalog Number: FM-W2605-BK

Project: RAISING CANE'S

Location: NATIONAL ACCOUNT SPEC

PRODUCT DESCRIPTION

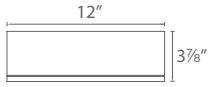
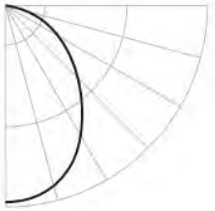
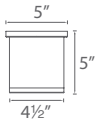
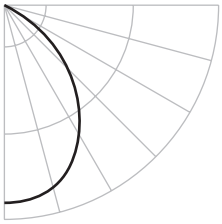
Precise engineering using the latest energy efficient LED technology with a built-in reflector for superior optics; An appealing cylindrical profile with a powerful LED down light perfect for accent and wall wash lighting.

FEATURES

- Wall or Ceiling Mount
- IP65 Rated, ETL & cETL wet Location Listed
- Die-Cast Aluminum Construction
- Universal Voltage Input (120V - 277V)
- Dimming: ELV (120V) or 0-10V

SPECIFICATIONS

Construction: Aluminum with etched glass.
Power: Integral driver in luminaire. 120V - 277V input.
Light Source: High output LED
Mounting: Mounts directly to junction box
Dimming: 0-10V Dimming: 100%-10%
ELV Dimming: 100%-5% (120V only)
Finish: Brushed Aluminum (AL), Black (BK), Bronze (BZ), Graphite (GH), White (WT)
Color Temp: 3000K
CRI: 90
Rated Life: 70,000 hours
Standards: IP65 Rated, ETL & cETL Wet Location Listed

		Beam	Photometry	Voltage	Watt	Lumens
 	**FM-W2612** *Energy Star®*	*91°*		*120V - 277V*	*30W*	*1740*
 	**FM-W2605** *Energy Star®*	*33°*		*120V*	*16W*	*800*

AL *Brushed Aluminum*
BK *Black*
BZ *Bronze*
GH *Graphite*
WT *White*

[ ] – [ ]

Example: **FM-W2612-GH**

WAC Lighting
www.waclighting.com
Phone (800) 526.2588 • Fax (800) 526.2585

Headquarters/Eastern Distribution Center
44 Harbor Park Drive • Port Washington, NY 11050
Phone (516) 515.5000 • Fax (516) 515.5050

Western Distribution Center
1750 Archibald Avenue • Ontario, CA 91760
Phone (800) 526.2588 • Fax (800) 526.2585

WAC Lighting retains the right to modify the design of our products at any time as part of the company's continuous improvement program. SEP 2017

D-Series Size 1
LED Area Luminaire

Catalog Number

Notes

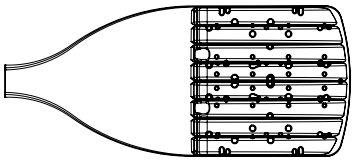
Type

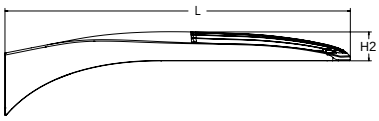
Hit the Tab key or mouse over the page to see all interactive elements.

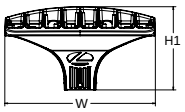
d-series

Specifications

EPA:	0.69 ft² (0.06 m²)
Length:	32.71" (83.1 cm)
Width:	14.26" (36.2 cm)
Height H1:	7.88" (20.0 cm)
Height H2:	2.73" (6.9 cm)
Weight:	34 lbs (15.4 kg)







Introduction

The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: DSX1 LED P7 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED

Series

DSX1 LED

LEDs

Forward optics

P1	P6
P2	P7
P3	P8
P4	P9
P5	

Rotated optics

P10 [1]	P12 [1]
P11 [1]	P13 [1]

Color temperature [2]

(this section 70CRI only)

30K	3000K
40K	4000K
50K	5000K

(this section 80CRI only, extended lead times apply)

27K	2700K
30K	3000K
35K	3500K
40K	4000K
50K	5000K

Color Rendering Index [2]

70CRI	70CRI
70CRI	70CRI
70CRI	70CRI
80CRI	80CRI
80CRI	80CRI
80CRI	80CRI
80CRI	80CRI

Distribution

AFR	Automotive front row
T1S	Type I short
T2M	Type II medium
T3M	Type III medium
T3LG	Type III low glare [3]
T4M	Type IV medium
T4LG	Type IV low glare [3]
TFTM	Forward throw medium
T5M	Type V medium
T5LG	Type V low glare
T5W	Type V wide
BLC3	Type III backlight control [3]
BLC4	Type IV backlight control [3]
LCCO	Left corner cutoff [3]
RCCO	Right corner cutoff [3]

Voltage

MVOLT	(120V-277V) [4]
HVOLT	(347V-480V) [5,6]
XVOLT	(277V - 480V) [7,8]

Mounting

Shipped included

SPA	Square pole mounting (#8 drilling)
RPA	Round pole mounting (#8 drilling)
SPA5	Square pole mounting #5 drilling [9]
RPA5	Round pole mounting #5 drilling [9]
SPA8N	Square narrow pole mounting #8 drilling
WBA	Wall bracket [10]

Control options

Shipped installed

NLTAIR2 PIRHN	nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc. [11,12,20,21]
PIR	High/low, motion/ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc [13,20,21]
PER	NEMA twist-lock receptacle only (controls ordered separate) [14]
PER5	Five-pin receptacle only (controls ordered separate) [14,21]
PER7	Seven-pin receptacle only (controls ordered separate) [14,21]
FAO	Field adjustable output [15,21]
BL30	Bi-level switched dimming, 30% [16,21]
BL50	Bi-level switched dimming, 50% [16,21]
DMG	0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) [17]
DS	Dual switching [18,19,21]

Other options

Shipped installed

SPD20KV	20KV surge protection
HS	Houseside shield (black finish standard) [22]
L90	Left rotated optics [1]
R90	Right rotated optics [1]
CCE	Coastal Construction [23]

Shipped separately

EGSR	External Glare Shield (reversible, field install required, matches housing finish)
BSDB	Bird Spikes (field install required)

Finish *(required)*

DDBXD	Dark Bronze
DBLXD	Black
DNAXD	Natural Aluminum
DWHXD	White
DDBTXD	Textured dark bronze
DBLBXD	Textured black
DNATXD	Textured natural aluminum
DWHGXD	Textured white

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com

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Ordering Information

Accessories

Ordered and shipped separately.

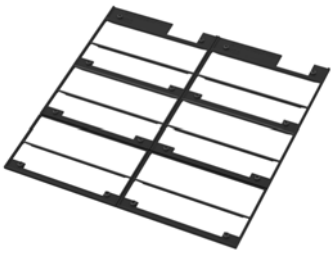
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) [24]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) [24]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [24]
DSHORT SBK	Shorting cap [24]
DSX1HS P#	House-side shield (enter 1-13 in place of #)
DSXRPA (FINISH)	Round pole adapter (#8 drilling, specify finish)
DSXSPA5 (FINISH)	Square pole adapter #5 drilling (specify finish)
DSXRPA5 (FINISH)	Round pole adapter #5 drilling (specify finish)
DSX1EGS (FINISH)	External glare shield

NOTES

1 Rotated optics available with packages P10, P11, P12 and P13. Must be combined with option L90 or R90.
2 30K, 40K, and 50K available in 70CRI and 80CRI. 27K and 35K only available with 80CRI. Contact Technical Support for other possible combinations.
3 T3LG, T4LG, BLC3, BLC4, LCCO, RCCO not available with option HS.
4 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
5 HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
6 HVOLT not available with package P1 and P10 when combined with option NLTAIR2 PIRHN or option PIR.
7 XVOLT operates with any voltage between 277V and 480V (50/60 Hz).
8 XVOLT not available in packages P1 or P10.
9 SPA5 and RPA5 for use with #5 drilling only (Not for use with #8 drilling).
10 WBA cannot be combined with Type 5 distributions plus photocell (PER).
11 NLTAIR2 and PIRHN must be ordered together. For more information on nLight AIR2 visit this link
12 NLTAIR2 PIRHN not available with other controls including PIR, PER, PER5, PER7, FAO, BL30, BL50, DMG and DS. NLTAIR2 PIRHN not available with P1 and P10 using HVOLT. NLTAIR2 PIRHN not available with P1 and P10 using XVOLT.
13 PIR not available with NLTAIR2 PIRHN, PER, PER5, PER7, FAO BL30, BL50, DMG and DS. PIR not available with P1 and P10 using HVOLT. PIR not available with P1 and P10 using XVOLT.
14 PER/PER5/PER7 not available with NLTAIR2 PIRHN, PIR, BL30, BL50, FAO, DMG and DS. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
15 FAO not available with other dimming control options NLTAIR2 PIRHN, PIR, PER5, PER7, BL30, BL50, DMG and DS.
16 BL30 and BL50 are not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, FAO, DMG and DS.
17 DMG not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DS.
18 DS not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DMG.
19 DS requires (2) separately switched circuits. DS provides 50/50 fixture operation via (2) different sets of leads using (2) drivers. DS only available with packages P8, P9, P10, P11, P12 and P13.
20 Reference Motion Sensor Default Settings table on page 4 to see functionality.
21 Reference Controls Options table on page 4.
22 HS not available with T3LG, T4LG, BLC3, BLC4, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
23 CCE option not available with option BS and EGS. Contact Technical Support for availability.
24 Requires luminaire to be specified with PER, PER5 or PER7 option. See Controls Table on page 4.

Shield Accessories

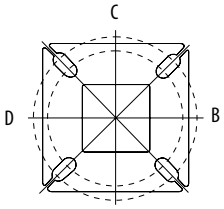
External Glare Shield (EGS)

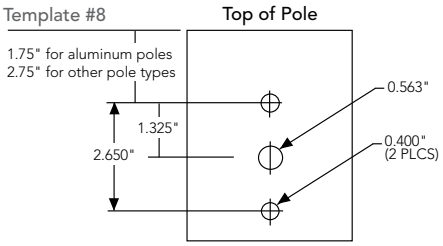


House Side Shield (HS)

Drilling

HANDHOLE ORIENTATION





Tenon Mounting Slipfitter

Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @ 90	3 @120	4 @ 90
2-3/8"	RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 390	AS3-5 320	AS3-5 490
2-7/8"	RPA	AST25-190	AST25-280	AST25-290	AST25-390	AST25-320	AST25-490
4"	RPA	AST35-190	AST35-280	AST35-290	AST35-390	AST35-320	AST35-490

Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS
		Minimum Acceptable Outside Pole Dimension					
SPA	#8	3.5"	3.5"	3.5"	3.5"		3.5"
RPA	#8	3"	3"	3"	3"	3"	3"
SPA5	#5	3"	3"	3"	3"		3"
RPA5	#5	3"	3"	3"	3"	3"	3"
SPA8N	#8	3"	3"	3"	3"		3"

DSX1 Area Luminaire - EPA

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration	Single DM19	2 @ 180 DM28	2 @ 90 DM29	3 @ 90 DM39	3 @ 120 DM32	4 @ 90 DM49
Mounting Type						
DSX1 with SPA	0.69	1.38	1.23	1.54	---	1.58
DSX1 with SPA5, SPA8N	0.70	1.40	1.30	1.66	---	1.68
DSX1 with RPA, RPA5	0.70	1.40	1.30	1.66	1.60	1.68
DSX1 with MA	0.83	1.66	1.50	2.09	2.09	2.09

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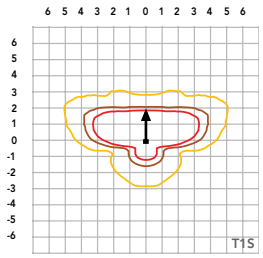
Photometric Diagrams

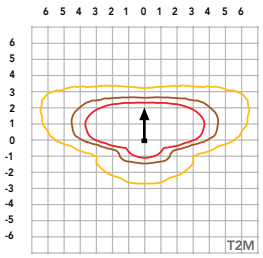
To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's homepage.

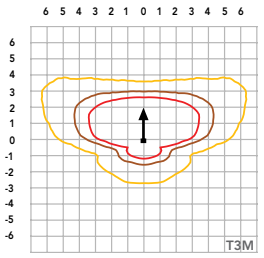
Isofootcandle plots for the DSX1 LED P9 40K 70CRI. Distances are in units of mounting height (25').

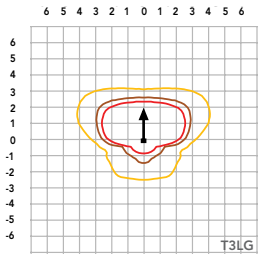
LEGEND

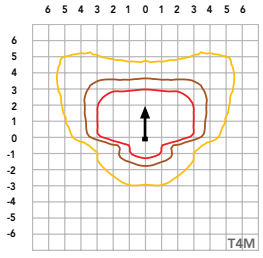
- 0.1 fc
- 0.5 fc
- 1.0 fc

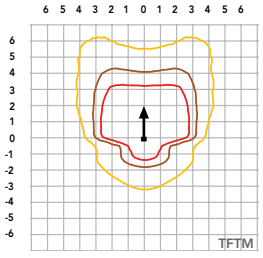


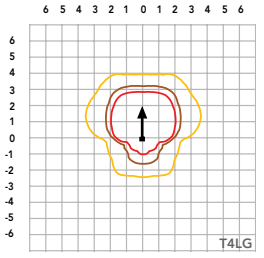


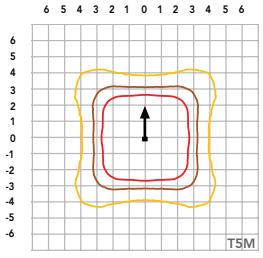


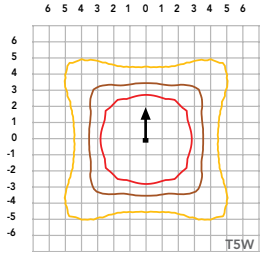


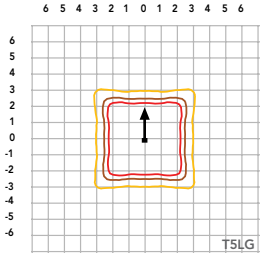


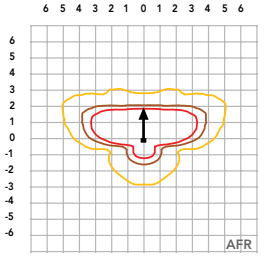


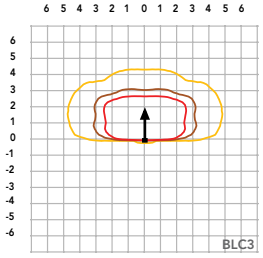


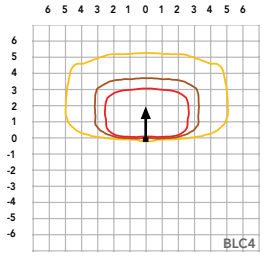


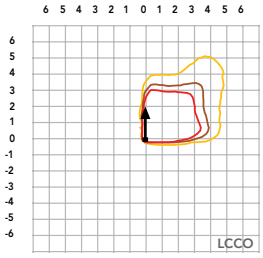


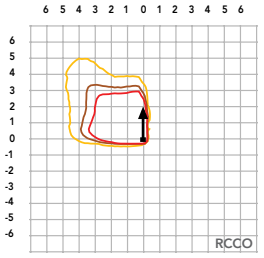












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Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	50°F	1.02
20°C	68°F	1.01
25°C	**77°C**	**1.00**
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	Lumen Maintenance Factor
0	1.00
25,000	0.95
50,000	0.90
100,000	0.81

FAO Dimming Settings

FAO Position	% Wattage	% Lumen Output
8	100%	100%
7	93%	95%
6	80%	85%
5	66%	73%
4	54%	61%
3	41%	49%
2	29%	36%
1	15%	20%

*Note: Calculated values are based on original performance package data. When calculating new values for given FAO position, use maximum published values by package listed on specification sheet (input watts and lumens by optic type).

Electrical Load

	Performance Package	LED Count	Drive Current (mA)	Wattage	Current (A) 120V	208V	240V	277V	347V	480V
Forward Optics (Non-Rotated)	P1	30	530	51	0.42	0.24	0.21	0.18	0.15	0.11
	P2	30	700	68	0.56	0.33	0.28	0.24	0.20	0.14
	P3	30	1050	104	0.85	0.49	0.43	0.37	0.29	0.21
	P4	30	1250	125	1.03	0.60	0.52	0.45	0.36	0.26
	P5	30	1400	142	1.15	0.66	0.58	0.50	0.40	0.29
	P6	40	1250	167	1.38	0.79	0.69	0.60	0.48	0.34
	P7	40	1400	188	1.54	0.89	0.77	0.67	0.53	0.38
	P8	60	1100	216	1.80	1.04	0.90	0.78	0.62	0.45
	P9	60	1400	279	2.31	1.33	1.15	1.00	0.80	0.58
Rotated Optics (Requires L90 or R90)	P10	60	530	101	0.84	0.49	0.42	0.37	0.29	0.21
	P11	60	700	135	1.12	0.65	0.56	0.49	0.39	0.28
	P12	60	1050	206	1.72	0.99	0.86	0.74	0.59	0.43
	P13	60	1400	279	2.30	1.33	1.15	1.00	0.79	0.57

LED Color Temperature / Color Rendering Multipliers

	70 CRI		80CRI		90CRI	
	Lumen Multiplier	Availability	Lumen Multiplier	Availability	Lumen Multiplier	Availability
5000K	102%	Standard	92%	Extended lead-time	71%	(see note)
4000K	100%	Standard	92%	Extended lead-time	67%	(see note)
3500K	100%	(see note)	90%	Extended lead-time	63%	(see note)
3000K	96%	Standard	87%	Extended lead-time	61%	(see note)
2700K	94%	(see note)	85%	Extended lead-time	57%	(see note)

Note: Some LED types are available as per special request. Contact Technical Support for more information.

Motion Sensor Default Settings

Option	Unoccupied Dimmed Level	High Level (when occupied)	Phototcell Operation	Dwell Time	Ramp-up Time	Dimming Fade Rate
PIR	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min
NLTAIR2 PIRHN	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min

Controls Options

Nomenclature	Description	Functionality	Primary control device	Notes
FAO	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FAO device	Cannot be used with other controls options that need the 0-10V leads
DS (not available on DSX0)	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PER5 or PER7	Twist-lock photocell receptacle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire. Cannot be used with other controls options that need the 0-10V leads.
PIR	Motion sensor with integral photocell. Sensor suitable for 8' to 40' mounting height.	Luminaires dim when no occupancy is detected.	Acuity Controls rSBG	Cannot be used with other controls options that need the 0-10V leads.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclypse.	nLight Air rSBG	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app. Cannot be used with other controls options that need the 0-10V leads.
BL30 or BL50	Integrated bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output	BLC device provides input to 0-10V dimming leads on all drivers providing either 100% or dimmed (30% or 50%) control by a secondary circuit	BLC UVOLT1	BLC device is powered off the 0-10V dimming leads, thus can be used with any input voltage from 120 to 480V

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Performance Data

Lumen Output

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Contact factory for performance data on any configurations not shown here.

Forward Optics

LED Count	Drive Current (mA)	Performance Package	System Watts	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30	530	**P1**	51W	T1S	7,776	1	0	2	153	8,104	1	0	2	159	8,262	1	0	2	162
				T2M	7,203	1	0	3	142	7,507	2	0	3	147	7,653	2	0	3	150
				T3M	7,287	1	0	3	143	7,594	1	0	3	149	7,742	1	0	3	152
				T3LG	6,509	1	0	1	128	6,783	1	0	1	133	6,916	1	0	1	136
				T4M	7,395	1	0	3	145	7,707	1	0	3	151	7,857	1	0	3	154
				T4LG	6,726	1	0	1	132	7,010	1	0	1	138	7,146	1	0	1	140
				TFTM	7,446	1	0	3	146	7,760	1	0	3	152	7,912	1	0	3	155
				T5M	7,609	3	0	2	149	7,930	3	0	2	156	8,084	3	0	2	159
				T5W	7,732	3	0	2	152	8,058	4	0	2	158	8,215	4	0	2	161
				T5LG	7,631	3	0	1	150	7,953	3	0	1	156	8,108	3	0	1	159
				BLC3	5,300	0	0	2	104	5,524	0	0	2	109	5,631	0	0	2	111
				BLC4	5,474	0	0	3	108	5,705	0	0	3	112	5,816	0	0	3	114
				RCCO	5,348	0	0	2	105	5,573	0	0	2	109	5,682	0	0	2	112
				LCCO	5,348	0	0	2	105	5,573	0	0	2	109	5,682	0	0	2	112
				AFR	7,776	1	0	2	153	8,104	1	0	2	159	8,262	1	0	2	162
30	700	**P2**	68W	T1S	9,997	1	0	2	147	10,418	1	0	2	154	10,621	1	0	2	157
				T2M	9,260	2	0	3	137	9,651	2	0	3	142	9,839	2	0	3	145
				T3M	9,368	2	0	3	138	9,763	2	0	3	144	9,953	2	0	3	147
				T3LG	8,368	1	0	2	123	8,721	1	0	2	129	8,891	1	0	2	131
				T4M	9,507	2	0	3	140	9,909	2	0	3	146	10,102	2	0	3	149
				T4LG	8,647	1	0	2	128	9,012	1	0	2	133	9,187	1	0	2	136
				TFTM	9,573	2	0	3	141	9,977	2	0	3	147	10,172	2	0	3	150
				T5M	9,782	4	0	2	144	10,195	4	0	2	150	10,393	4	0	2	153
				T5W	9,940	4	0	2	147	10,360	4	0	2	153	10,562	4	0	2	156
				T5LG	9,810	3	0	1	145	10,224	3	0	1	151	10,423	3	0	1	154
				BLC3	6,814	0	0	2	101	7,101	0	0	2	105	7,240	0	0	2	107
				BLC4	7,038	0	0	3	104	7,334	0	0	3	108	7,477	0	0	3	110
				RCCO	6,875	1	0	2	101	7,165	1	0	2	106	7,305	1	0	2	108
				LCCO	6,875	1	0	2	101	7,165	1	0	2	106	7,305	1	0	2	108
				AFR	9,997	1	0	2	147	10,418	1	0	2	154	10,621	1	0	2	157
30	1050	**P3**	102W	T1S	14,093	2	0	2	138	14,687	2	0	2	144	14,973	2	0	2	147
				T2M	13,055	2	0	3	128	13,605	2	0	3	133	13,871	2	0	3	136
				T3M	13,206	2	0	4	129	13,763	2	0	4	135	14,031	2	0	4	137
				T3LG	11,797	2	0	2	115	12,294	2	0	2	120	12,534	2	0	2	123
				T4M	13,403	2	0	4	131	13,968	2	0	4	137	14,241	2	0	4	139
				T4LG	12,190	2	0	2	119	12,704	2	0	2	124	12,952	2	0	2	127
				TFTM	13,496	2	0	4	132	14,065	2	0	4	138	14,339	2	0	4	140
				T5M	13,790	4	0	2	135	14,371	4	0	2	141	14,652	4	0	2	143
				T5W	14,013	4	0	3	137	14,605	4	0	3	143	14,889	4	0	3	146
				T5LG	13,830	3	0	2	135	14,413	3	0	2	141	14,694	3	0	2	144
				BLC3	9,606	0	0	2	94	10,011	0	0	2	98	10,206	0	0	2	100
				BLC4	9,921	0	0	3	97	10,340	0	0	3	101	10,541	0	0	3	103
				RCCO	9,692	1	0	2	95	10,101	1	0	2	99	10,298	1	0	2	101
				LCCO	9,692	1	0	2	95	10,101	1	0	2	99	10,298	1	0	2	101
				AFR	14,093	2	0	2	138	14,687	2	0	2	144	14,973	2	0	2	147

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Performance Data

Lumen Output

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Forward Optics

LED Count	Drive Current (mA)	Performance Package	System Watts	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30	1250	**P4**	124W	T1S	16,416	2	0	3	132	17,109	2	0	3	138	17,442	2	0	3	141
				T2M	15,207	3	0	4	123	15,849	3	0	4	128	16,158	3	0	4	130
				T3M	15,383	2	0	4	124	16,032	2	0	4	129	16,345	2	0	4	132
				T3LG	13,742	2	0	2	111	14,321	2	0	2	116	14,600	2	0	2	118
				T4M	15,613	2	0	4	126	16,272	2	0	4	131	16,589	2	0	4	134
				T4LG	14,200	2	0	2	115	14,799	2	0	2	119	15,087	2	0	2	122
				TFTM	15,721	2	0	4	127	16,384	2	0	4	132	16,703	2	0	4	135
				T5M	16,063	4	0	2	130	16,741	4	0	2	135	17,067	4	0	2	138
				T5W	16,324	5	0	3	132	17,013	5	0	3	137	17,344	5	0	3	140
				T5LG	16,110	3	0	2	130	16,790	4	0	2	135	17,117	4	0	2	138
				BLC3	11,190	0	0	3	90	11,662	0	0	3	94	11,889	0	0	3	96
				BLC4	11,557	0	0	3	93	12,044	0	0	3	97	12,279	0	0	4	99
				RCCO	11,291	1	0	3	91	11,767	1	0	3	95	11,996	1	0	3	97
				LCCO	11,291	1	0	3	91	11,767	1	0	3	95	11,996	1	0	3	97
				AFR	16,416	2	0	3	132	17,109	2	0	3	138	17,442	2	0	3	141
30	1400	**P5**	138W	T1S	18,052	2	0	3	131	18,814	2	0	3	136	19,180	2	0	3	139
				T2M	16,723	3	0	4	121	17,428	3	0	4	126	17,768	3	0	4	129
				T3M	16,917	3	0	4	122	17,630	3	0	4	128	17,974	3	0	4	130
				T3LG	15,111	2	0	2	109	15,749	2	0	2	114	16,055	2	0	2	116
				T4M	17,169	3	0	5	124	17,893	3	0	5	130	18,242	3	0	5	132
				T4LG	15,615	2	0	2	113	16,274	2	0	2	118	16,591	2	0	2	120
				TFTM	17,288	2	0	4	125	18,017	2	0	5	130	18,368	3	0	5	133
				T5M	17,664	5	0	3	128	18,410	5	0	3	133	18,768	5	0	3	136
				T5W	17,951	5	0	3	130	18,708	5	0	3	135	19,073	5	0	3	138
				T5LG	17,716	4	0	2	128	18,463	4	0	2	134	18,823	4	0	2	136
				BLC3	12,305	0	0	3	89	12,824	0	0	3	93	13,074	0	0	3	95
				BLC4	12,709	0	0	4	92	13,245	0	0	4	96	13,503	0	0	4	98
				RCCO	12,416	1	0	3	90	12,940	1	0	3	94	13,192	1	0	3	95
				LCCO	12,416	1	0	3	90	12,940	1	0	3	94	13,192	1	0	3	95
				AFR	18,052	2	0	3	131	18,814	2	0	3	136	19,180	2	0	3	139
40	1250	**P6**	165W	T1S	21,031	2	0	3	127	21,918	2	0	3	133	22,345	2	0	3	135
				T2M	19,482	3	0	4	118	20,303	3	0	4	123	20,699	3	0	4	125
				T3M	19,708	3	0	5	119	20,539	3	0	5	124	20,939	3	0	5	127
				T3LG	17,604	2	0	2	107	18,347	2	0	2	111	18,704	2	0	2	113
				T4M	20,001	3	0	5	121	20,845	3	0	5	126	21,251	3	0	5	129
				T4LG	18,191	2	0	2	110	18,959	2	0	2	115	19,328	2	0	2	117
				TFTM	20,140	3	0	5	122	20,989	3	0	5	127	21,398	3	0	5	129
				T5M	20,579	5	0	3	125	21,447	5	0	3	130	21,865	5	0	3	132
				T5W	20,912	5	0	3	127	21,795	5	0	3	132	22,219	5	0	3	134
				T5LG	20,638	4	0	2	125	21,509	4	0	2	130	21,928	4	0	2	133
				BLC3	14,335	0	0	3	87	14,940	0	0	3	90	15,231	0	0	3	92
				BLC4	14,805	0	0	4	90	15,430	0	0	4	93	15,731	0	0	4	95
				RCCO	14,464	1	0	3	88	15,074	1	0	3	91	15,368	1	0	3	93
				LCCO	14,464	1	0	3	88	15,074	1	0	3	91	15,368	1	0	3	93
				AFR	21,031	2	0	3	127	21,918	2	0	3	133	22,345	2	0	3	135

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Forward Optics

LED Count	Drive Current (mA)	Performance Package	System Watts	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
40	1400	**P7**	184W	T1S	22,741	2	0	3	123	23,700	2	0	3	129	24,162	3	0	3	131
				T2M	21,066	3	0	4	114	21,955	3	0	4	119	22,383	3	0	4	121
				T3M	21,311	3	0	5	116	22,210	3	0	5	120	22,642	3	0	5	123
				T3LG	19,036	2	0	2	103	19,839	2	0	3	108	20,226	2	0	3	110
				T4M	21,628	3	0	5	117	22,541	3	0	5	122	22,980	3	0	5	125
				T4LG	19,671	2	0	2	107	20,501	2	0	3	111	20,900	2	0	3	113
				TFTM	21,778	3	0	5	118	22,697	3	0	5	123	23,139	3	0	5	125
				T5M	22,252	5	0	3	121	23,191	5	0	3	126	23,643	5	0	3	128
				T5W	22,613	5	0	3	123	23,567	5	0	4	128	24,027	5	0	4	130
				T5LG	22,317	4	0	2	121	23,258	4	0	2	126	23,712	4	0	2	129
				BLC3	15,501	0	0	3	84	16,155	0	0	4	88	16,470	0	0	4	89
				BLC4	16,010	0	0	4	87	16,685	0	0	4	90	17,010	0	0	4	92
				RCCO	15,631	5	0	5	85	---	---	---	---	---	---	---	---	---	---
				LCCO	15,641	1	0	3	85	---	---	---	---	---	---	---	---	---	---
				AFR	22,741	2	0	3	123	23,700	2	0	3	129	24,162	3	0	3	131
60	1100	**P8**	216W	T1S	28,701	3	0	3	133	29,912	3	0	4	139	30,495	3	0	4	141
				T2M	26,587	3	0	5	123	27,709	3	0	5	128	28,249	3	0	5	131
				T3M	26,895	3	0	5	125	28,030	3	0	5	130	28,576	3	0	5	132
				T3LG	24,025	3	0	3	111	25,038	3	0	3	116	25,526	3	0	3	118
				T4M	27,296	3	0	5	127	28,448	3	0	5	132	29,002	3	0	5	134
				T4LG	24,826	3	0	3	115	25,873	3	0	3	120	26,378	3	0	3	122
				TFTM	27,485	3	0	5	127	28,645	3	0	5	133	29,203	3	0	5	135
				T5M	28,084	5	0	4	130	29,269	5	0	4	136	29,839	5	0	4	138
				T5W	28,539	5	0	4	132	29,743	5	0	4	138	30,323	5	0	4	141
				T5LG	28,165	4	0	2	131	29,354	4	0	2	136	29,926	4	0	2	139
				BLC3	19,563	0	0	4	91	20,388	0	0	4	94	20,786	0	0	4	96
				BLC4	20,205	0	0	5	94	21,057	0	0	5	98	21,468	0	0	5	99
				RCCO	19,740	1	0	4	91	20,572	1	0	4	95	20,973	1	0	4	97
				LCCO	19,740	1	0	4	91	20,572	1	0	4	95	20,973	1	0	4	97
				AFR	28,701	3	0	3	133	29,912	3	0	4	139	30,495	3	0	4	141
60	1400	**P9**	277W	T1S	34,819	3	0	4	126	36,288	3	0	4	131	36,996	3	0	4	134
				T2M	32,255	3	0	5	116	33,616	3	0	5	121	34,271	3	0	5	124
				T3M	32,629	3	0	5	118	34,006	3	0	5	123	34,668	3	0	5	125
				T3LG	29,146	3	0	3	105	30,376	3	0	4	110	30,968	3	0	4	112
				T4M	33,116	3	0	5	120	34,513	3	0	5	125	35,185	3	0	5	127
				T4LG	30,119	3	0	3	109	31,389	3	0	4	113	32,001	3	0	4	116
				TFTM	33,345	3	0	5	120	34,751	3	0	5	125	35,429	3	0	5	128
				T5M	34,071	5	0	4	123	35,509	5	0	4	128	36,201	5	0	4	131
				T5W	34,624	5	0	4	125	36,084	5	0	4	130	36,788	5	0	4	133
				T5LG	34,170	5	0	3	123	35,612	5	0	3	129	36,306	5	0	3	131
				BLC3	23,734	0	0	4	86	24,735	0	0	4	89	25,217	0	0	4	91
				BLC4	24,513	0	0	5	88	25,547	0	0	5	92	26,045	0	0	5	94
				RCCO	23,948	1	0	4	86	24,958	1	0	4	90	25,445	1	0	4	92
				LCCO	23,948	1	0	4	86	24,958	1	0	4	90	25,445	1	0	4	92
				AFR	34,819	3	0	4	126	36,288	3	0	4	131	36,996	3	0	4	134

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Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79.
Contact factory for performance data on any configurations not shown here.

Rotated Optics

LED Count	Drive Current (mA)	Performance Package	System Watts	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
60	530	**P10**	101W	T1S	15,164	3	0	3	150	15,803	3	0	3	156	16,112	3	0	3	159
				T2M	14,047	4	0	4	139	14,640	4	0	4	145	14,925	4	0	4	147
				T3M	14,208	4	0	4	140	14,807	4	0	4	146	15,096	4	0	4	149
				T3LG	12,693	3	0	3	125	13,229	3	0	3	131	13,487	3	0	3	133
				T4M	14,420	4	0	4	142	15,028	4	0	4	148	15,321	4	0	4	151
				T4LG	13,115	3	0	3	129	13,668	3	0	3	135	13,934	3	0	3	138
				TFTM	14,522	4	0	4	143	15,134	4	0	4	149	15,429	4	0	4	152
				T5M	14,836	4	0	2	146	15,462	4	0	2	153	15,763	4	0	2	156
				T5W	15,076	4	0	3	149	15,712	5	0	3	155	16,019	5	0	3	158
				T5LG	14,879	3	0	2	147	15,507	3	0	2	153	15,809	3	0	2	156
				BLC3	10,335	3	0	3	102	10,771	4	0	4	106	10,981	4	0	4	108
				BLC4	10,674	4	0	4	105	11,124	4	0	4	110	11,341	4	0	4	112
				RCCO	10,429	1	0	2	103	10,869	1	0	2	107	11,080	1	0	2	109
				LCCO	10,429	1	0	2	103	10,869	1	0	2	107	11,080	1	0	2	109
				AFR	15,164	3	0	3	150	15,803	3	0	3	156	16,112	3	0	3	159
60	700	**P11**	135W	T1S	19,437	4	0	4	144	20,257	4	0	4	150	20,651	4	0	4	153
				T2M	18,005	4	0	4	133	18,765	4	0	4	139	19,131	4	0	4	142
				T3M	18,211	4	0	4	135	18,980	4	0	4	141	19,350	4	0	4	143
				T3LG	16,270	3	0	3	121	16,957	3	0	3	126	17,287	4	0	4	128
				T4M	18,483	4	0	4	137	19,263	5	0	5	143	19,638	5	0	5	146
				T4LG	16,810	3	0	3	125	17,519	3	0	3	130	17,861	3	0	3	132
				TFTM	18,614	4	0	4	138	19,399	4	0	4	144	19,777	5	0	5	147
				T5M	19,017	5	0	3	141	19,819	5	0	3	147	20,205	5	0	3	150
				T5W	19,325	5	0	3	143	20,140	5	0	3	149	20,533	5	0	3	152
				T5LG	19,072	4	0	2	141	19,876	4	0	2	147	20,264	4	0	2	150
				BLC3	13,247	4	0	4	98	13,806	4	0	4	102	14,075	4	0	4	104
				BLC4	13,682	4	0	4	101	14,259	4	0	4	106	14,537	4	0	4	108
				RCCO	13,367	1	0	3	99	13,931	1	0	3	103	14,203	1	0	3	105
				LCCO	13,367	1	0	3	99	13,931	1	0	3	103	14,203	1	0	3	105
				AFR	19,437	4	0	4	144	20,257	4	0	4	150	20,651	4	0	4	153
60	1050	**P12**	206W	T1S	27,457	4	0	4	133	28,616	4	0	4	139	29,174	4	0	4	142
				T2M	25,436	5	0	5	124	26,509	5	0	5	129	27,025	5	0	5	131
				T3M	25,727	5	0	5	125	26,812	5	0	5	130	27,335	5	0	5	133
				T3LG	22,984	4	0	4	112	23,954	4	0	4	116	24,421	4	0	4	119
				T4M	26,110	5	0	5	127	27,212	5	0	5	132	27,742	5	0	5	135
				T4LG	23,747	4	0	4	115	24,749	4	0	4	120	25,231	4	0	4	123
				TFTM	26,295	5	0	5	128	27,404	5	0	5	133	27,938	5	0	5	136
				T5M	26,864	5	0	4	130	27,997	5	0	4	136	28,543	5	0	4	139
				T5W	27,299	5	0	4	133	28,451	5	0	4	138	29,006	5	0	4	141
				T5LG	26,942	4	0	2	131	28,078	4	0	2	136	28,626	4	0	2	139
				BLC3	18,714	4	0	4	91	19,504	4	0	4	95	19,884	4	0	4	97
				BLC4	19,327	5	0	5	94	20,143	5	0	5	98	20,535	5	0	5	100
				RCCO	18,883	1	0	4	92	19,680	1	0	4	96	20,064	1	0	4	97
				LCCO	18,883	1	0	4	92	19,680	1	0	4	96	20,064	1	0	4	97
				AFR	27,457	4	0	4	133	28,616	4	0	4	139	29,174	4	0	4	142
60	1400	**P13**	276W	T1S	34,436	5	0	5	125	35,889	5	0	5	130	36,588	5	0	5	133
				T2M	31,900	5	0	5	116	33,246	5	0	5	121	33,894	5	0	5	123
				T3M	32,265	5	0	5	117	33,626	5	0	5	122	34,282	5	0	5	124
				T3LG	28,826	4	0	4	105	30,042	4	0	4	109	30,628	4	0	4	111
				T4M	32,746	5	0	5	119	34,128	5	0	5	124	34,793	5	0	5	126
				T4LG	29,782	4	0	4	108	31,039	4	0	4	113	31,644	5	0	4	115
				TFTM	32,978	5	0	5	120	34,369	5	0	5	125	35,039	5	0	5	127
				T5M	33,692	5	0	4	122	35,113	5	0	4	127	35,797	5	0	4	130
				T5W	34,238	5	0	4	124	35,682	5	0	4	129	36,378	5	0	4	132
				T5LG	33,789	5	0	3	122	35,215	5	0	3	128	35,901	5	0	3	130
				BLC3	23,471	5	0	5	85	24,461	5	0	5	89	24,937	5	0	5	90
				BLC4	24,240	5	0	5	88	25,262	5	0	5	92	25,755	5	0	5	93
				RCCO	23,683	1	0	4	86	24,682	1	0	4	89	25,163	1	0	4	91
				LCCO	23,683	1	0	4	86	24,682	1	0	4	89	25,163	1	0	4	91
				AFR	34,436	5	0	5	125	35,889	5	0	5	130	36,588	5	0	5	133

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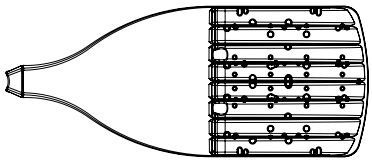
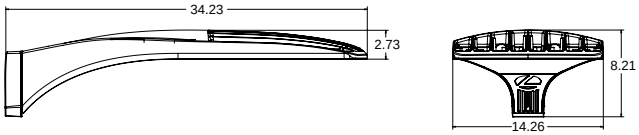
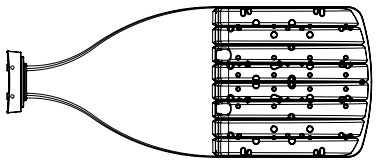
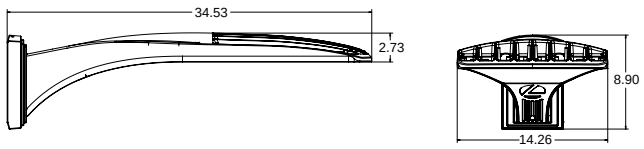
Dimensions





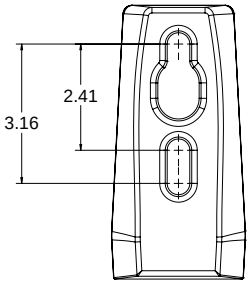
DSX1 with RPA, RPA5, SPA5, SPA8N



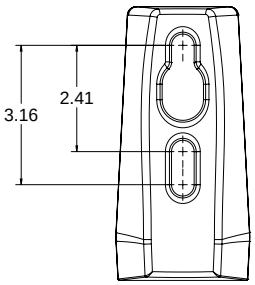


DSX1 with WBA

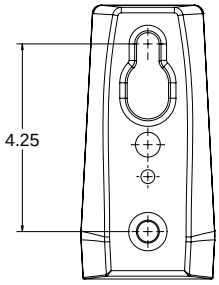
SPA8N



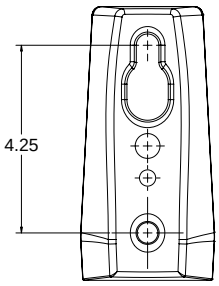
RPA



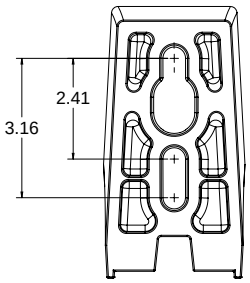
SPA5



RPA5



BASE FIXURE



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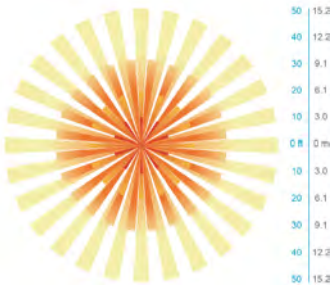
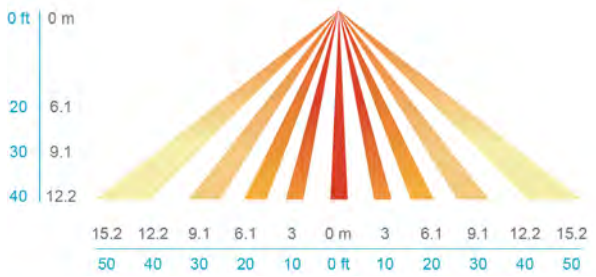
nLight Control - Sensor Coverage and Settings

nLight Sensor Coverage Pattern

NLTAIR2 PIRHN



Top



Side

FEATURES & SPECIFICATIONS

INTENDED USE
The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

CONSTRUCTION
Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing driver compartment is completely sealed against moisture and environmental contaminants (IP66). Vibration rated per ANSI C136.31 for 1.5G. Low EPA (0.69 ft^2) for optimized pole wind loading.

FINISH
Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

Coastal Construction (CCE)
Optional corrosion resistant construction is engineered with added corrosion protection in materials and/or pre-treatment of base material under super durable paint. Provides additional corrosion protection for applications near coastal areas. Finish is salt spray tested to over 5,000 hours per ASTM B117 with scribe rating of 10. Additional lead-times may apply.

OPTICS
Precision-molded proprietary silicone lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 3000 K, 4000 K and 5000 K (70 CRI) configurations. 80CRI configurations are also available. The D-Series Size 1 has zero uplight and qualifies as a Night-time Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL
Light engine configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L81/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS
The DSX1 LED area luminaire has a number of control options. DSX Size 1, comes standard with 0-10V dimming drivers. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. Integrated motion sensor with on-board photocells feature field-adjustable programing and are suitable for mounting heights up to 40 feet. Control option BL features a bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output.

nLIGHT AIR CONTROLS
The DSX1 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaries can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclypse. Additional information about nLight Air can be found here.

INSTALLATION
Integral mounting arm allows for fast mounting using Lithonia standard #8 drilling and accommodates pole drilling's from 2.41 to 3.12" on center. The standard "SPA" option for square poles and the "RPA" option for round poles use the #8 drilling. For #5 pole drillings, use SPA5 or RPA5. Additional mountings are available including a wall bracket (WBA) and mast arm (MA) option that allows luminaire attachment to a 2 3/8" horizontal mast arm.

LISTINGS
UL listed to meet U.S. and Canadian standards. UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP66 rated. Rated for -40°C minimum ambient.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

WARRANTY
5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

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D-Series Size 1
LED Area Luminaire

Catalog Number

Notes

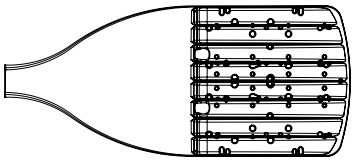
Type

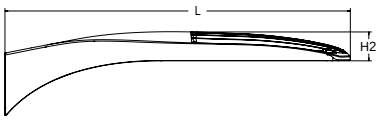
Hit the Tab key or mouse over the page to see all interactive elements.

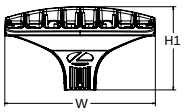
d-series

Specifications

EPA:	0.69 ft² (0.06 m²)
Length:	32.71" (83.1 cm)
Width:	14.26" (36.2 cm)
Height H1:	7.88" (20.0 cm)
Height H2:	2.73" (6.9 cm)
Weight:	34 lbs (15.4 kg)







Introduction

The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: DSX1 LED P7 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED

Series
DSX1 LED

LEDs
Forward optics
P1 P6
P2 P7
P3 P8
P4 P9
P5

Rotated optics
P10[1] P12[1]
P11[1] P13[1]

Color temperature[2]
(this section 70CRI only)
30K 3000K
40K 4000K
50K 5000K

(this section 80CRI only, extended lead times apply)
27K 2700K
30K 3000K
35K 3500K
40K 4000K
50K 5000K

Color Rendering Index[2]
70CRI
70CRI
70CRI

80CRI
80CRI
80CRI
80CRI
80CRI

Distribution
AFR Automotive front row
T1S Type I short
T2M Type II medium
T3M Type III medium
T3LG Type III low glare[3]
T4M Type IV medium
T4LG Type IV low glare[3]
TFTM Forward throw medium
T5M Type V medium
T5LG Type V low glare
T5W Type V wide
BLC3 Type III backlight control[3]
BLC4 Type IV backlight control[3]
LCCO Left corner cutoff[3]
RCCO Right corner cutoff[3]

Voltage
MVOLT (120V-277V)[4]
HVOLT (347V-480V)[5,6]
XVOLT (277V - 480V)[7,8]

Mounting
Shipped included
SPA Square pole mounting (#8 drilling)
RPA Round pole mounting (#8 drilling)
SPA5 Square pole mounting #5 drilling[9]
RPA5 Round pole mounting #5 drilling[9]
SPA8N Square narrow pole mounting #8 drilling
WBA Wall bracket[10]

Control options
Shipped installed
NLTAIR2 PIRHN nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc.[11,12,20,21]
PIR High/low, motion/ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc[13,20,21]
PER NEMA twist-lock receptacle only (controls ordered separate)[14]
PER5 Five-pin receptacle only (controls ordered separate)[14,21]
PER7 Seven-pin receptacle only (controls ordered separate)[14,21]
FAO Field adjustable output[15,21]
BL30 Bi-level switched dimming, 30%[16,21]
BL50 Bi-level switched dimming, 50%[16,21]
DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately)[17]
DS Dual switching[18,19,21]

Other options
Shipped installed
SPD20KV 20KV surge protection
HS Houseside shield (black finish standard)[22]
L90 Left rotated optics[1]
R90 Right rotated optics[1]
CCE Coastal Construction[23]

Shipped separately
EGSR External Glare Shield (reversible, field install required, matches housing finish)
BSDB Bird Spikes (field install required)

Finish *(required)*
DDBXD Dark Bronze
DBLXD Black
DNAXD Natural Aluminum
DWHXD White
DDBTXD Textured dark bronze
DBLBXD Textured black
DNATXD Textured natural aluminum
DWHGXD Textured white

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Ordering Information

Accessories

Ordered and shipped separately.

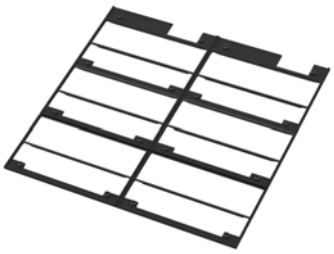
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) [24]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) [24]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [24]
DSHORT SBK	Shorting cap [24]
DSX1HS P#	House-side shield (enter 1-13 in place of #)
DSXRPA (FINISH)	Round pole adapter (#8 drilling, specify finish)
DSXSPA5 (FINISH)	Square pole adapter #5 drilling (specify finish)
DSXRPA5 (FINISH)	Round pole adapter #5 drilling (specify finish)
DSX1EGS (FINISH)	External glare shield

NOTES

1 Rotated optics available with packages P10, P11, P12 and P13. Must be combined with option L90 or R90.
2 30K, 40K, and 50K available in 70CRI and 80CRI. 27K and 35K only available with 80CRI. Contact Technical Support for other possible combinations.
3 T3LG, T4LG, BLC3, BLC4, LCCO, RCCO not available with option HS.
4 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
5 HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
6 HVOLT not available with package P1 and P10 when combined with option NLTAIR2 PIRHN or option PIR.
7 XVOLT operates with any voltage between 277V and 480V (50/60 Hz).
8 XVOLT not available in packages P1 or P10.
9 SPA5 and RPA5 for use with #5 drilling only (Not for use with #8 drilling).
10 WBA cannot be combined with Type 5 distributions plus photocell (PER).
11 NLTAIR2 and PIRHN must be ordered together. For more information on nLight AIR2 visit this link
12 NLTAIR2 PIRHN not available with other controls including PIR, PER, PER5, PER7, FAO, BL30, BL50, DMG and DS. NLTAIR2 PIRHN not available with P1 and P10 using HVOLT. NLTAIR2 PIRHN not available with P1 and P10 using XVOLT.
13 PIR not available with NLTAIR2 PIRHN, PER, PER5, PER7, FAO BL30, BL50, DMG and DS. PIR not available with P1 and P10 using HVOLT. PIR not available with P1 and P10 using XVOLT.
14 PER/PER5/PER7 not available with NLTAIR2 PIRHN, PIR, BL30, BL50, FAO, DMG and DS. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
15 FAO not available with other dimming control options NLTAIR2 PIRHN, PIR, PER5, PER7, BL30, BL50, DMG and DS.
16 BL30 and BL50 are not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, FAO, DMG and DS.
17 DMG not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DS.
18 DS not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DMG.
19 DS requires (2) separately switched circuits. DS provides 50/50 fixture operation via (2) different sets of leads using (2) drivers. DS only available with packages P8, P9, P10, P11, P12 and P13.
20 Reference Motion Sensor Default Settings table on page 4 to see functionality.
21 Reference Controls Options table on page 4.
22 HS not available with T3LG, T4LG, BLC3, BLC4, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
23 CCE option not available with option BS and EGS. Contact Technical Support for availability.
24 Requires luminaire to be specified with PER, PER5 or PER7 option. See Controls Table on page 4.

Shield Accessories

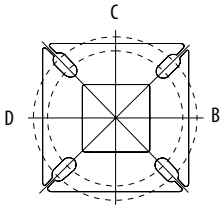
External Glare Shield (EGS)

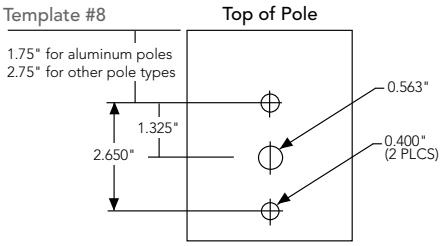


House Side Shield (HS)

Drilling

HANDHOLE ORIENTATION





Tenon Mounting Slipfitter

Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @ 90	3 @120	4 @ 90
2-3/8"	RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 390	AS3-5 320	AS3-5 490
2-7/8"	RPA	AST25-190	AST25-280	AST25-290	AST25-390	AST25-320	AST25-490
4"	RPA	AST35-190	AST35-280	AST35-290	AST35-390	AST35-320	AST35-490

Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS
		Minimum Acceptable Outside Pole Dimension					
SPA	#8	3.5"	3.5"	3.5"	3.5"		3.5"
RPA	#8	3"	3"	3"	3"	3"	3"
SPA5	#5	3"	3"	3"	3"		3"
RPA5	#5	3"	3"	3"	3"	3"	3"
SPA8N	#8	3"	3"	3"	3"		3"

DSX1 Area Luminaire - EPA

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration	Single DM19	2 @ 180 DM28	2 @ 90 DM29	3 @ 90 DM39	3 @ 120 DM32	4 @ 90 DM49
Mounting Type						
DSX1 with SPA	0.69	1.38	1.23	1.54	---	1.58
DSX1 with SPA5, SPA8N	0.70	1.40	1.30	1.66	---	1.68
DSX1 with RPA, RPA5	0.70	1.40	1.30	1.66	1.60	1.68
DSX1 with MA	0.83	1.66	1.50	2.09	2.09	2.09

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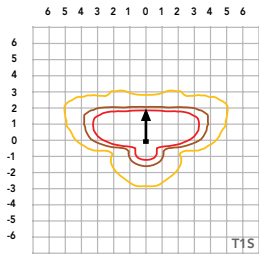
Photometric Diagrams

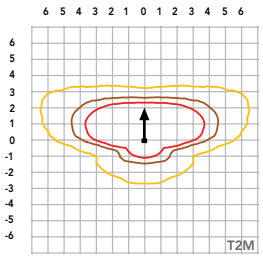
To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's homepage.

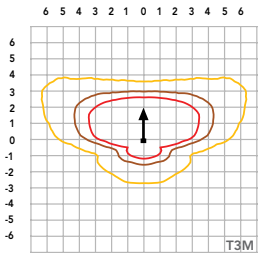
Isofootcandle plots for the DSX1 LED P9 40K 70CRI. Distances are in units of mounting height (25').

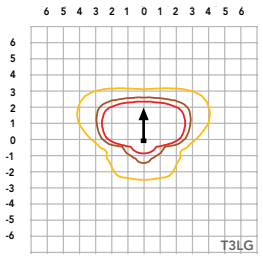
LEGEND

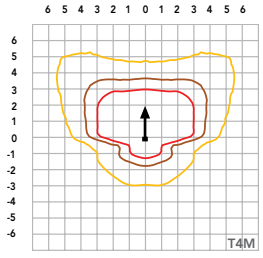
- 0.1 fc
- 0.5 fc
- 1.0 fc

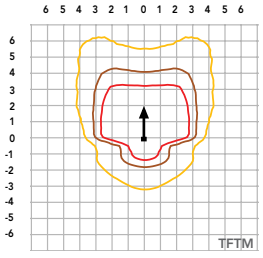


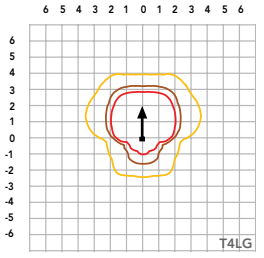


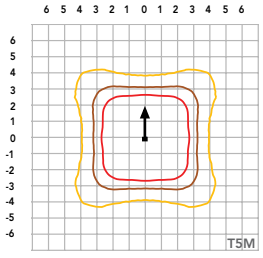


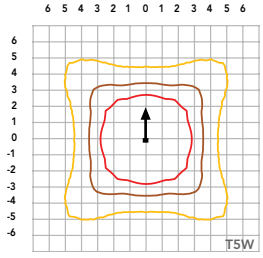


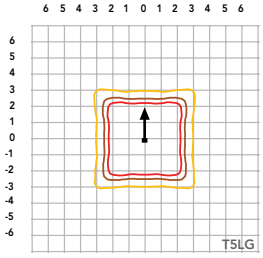


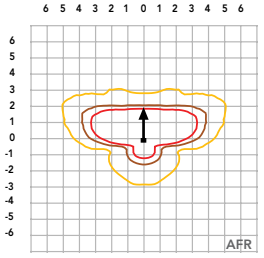


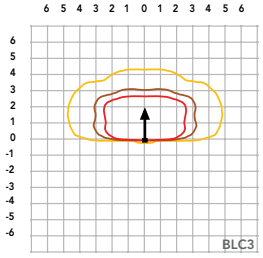


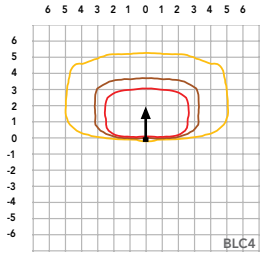


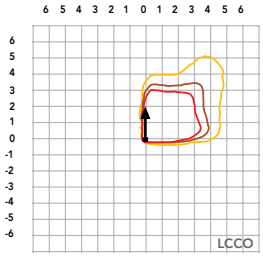


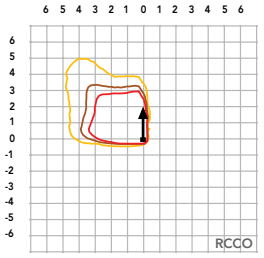












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Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	50°F	1.02
20°C	68°F	1.01
25°C	**77°C**	**1.00**
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	Lumen Maintenance Factor
0	1.00
25,000	0.95
50,000	0.90
100,000	0.81

FAO Dimming Settings

FAO Position	% Wattage	% Lumen Output
8	100%	100%
7	93%	95%
6	80%	85%
5	66%	73%
4	54%	61%
3	41%	49%
2	29%	36%
1	15%	20%

*Note: Calculated values are based on original performance package data. When calculating new values for given FAO position, use maximum published values by package listed on specification sheet (input watts and lumens by optic type).

Electrical Load

	Performance Package	LED Count	Drive Current (mA)	Wattage	Current (A) 120V	208V	240V	277V	347V	480V
Forward Optics (Non-Rotated)	P1	30	530	51	0.42	0.24	0.21	0.18	0.15	0.11
	P2	30	700	68	0.56	0.33	0.28	0.24	0.20	0.14
	P3	30	1050	104	0.85	0.49	0.43	0.37	0.29	0.21
	P4	30	1250	125	1.03	0.60	0.52	0.45	0.36	0.26
	P5	30	1400	142	1.15	0.66	0.58	0.50	0.40	0.29
	P6	40	1250	167	1.38	0.79	0.69	0.60	0.48	0.34
	P7	40	1400	188	1.54	0.89	0.77	0.67	0.53	0.38
	P8	60	1100	216	1.80	1.04	0.90	0.78	0.62	0.45
	P9	60	1400	279	2.31	1.33	1.15	1.00	0.80	0.58
Rotated Optics (Requires L90 or R90)	P10	60	530	101	0.84	0.49	0.42	0.37	0.29	0.21
	P11	60	700	135	1.12	0.65	0.56	0.49	0.39	0.28
	P12	60	1050	206	1.72	0.99	0.86	0.74	0.59	0.43
	P13	60	1400	279	2.30	1.33	1.15	1.00	0.79	0.57

LED Color Temperature / Color Rendering Multipliers

	70 CRI		80CRI		90CRI	
	Lumen Multiplier	Availability	Lumen Multiplier	Availability	Lumen Multiplier	Availability
5000K	102%	Standard	92%	Extended lead-time	71%	(see note)
4000K	100%	Standard	92%	Extended lead-time	67%	(see note)
3500K	100%	(see note)	90%	Extended lead-time	63%	(see note)
3000K	96%	Standard	87%	Extended lead-time	61%	(see note)
2700K	94%	(see note)	85%	Extended lead-time	57%	(see note)

Note: Some LED types are available as per special request. Contact Technical Support for more information.

Motion Sensor Default Settings

Option	Unoccupied Dimmed Level	High Level (when occupied)	Phototcell Operation	Dwell Time	Ramp-up Time	Dimming Fade Rate
PIR	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min
NLTAIR2 PIRHN	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min

Controls Options

Nomenclature	Description	Functionality	Primary control device	Notes
FAO	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FAO device	Cannot be used with other controls options that need the 0-10V leads
DS (not available on DSX0)	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PER5 or PER7	Twist-lock photocell receptacle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire. Cannot be used with other controls options that need the 0-10V leads.
PIR	Motion sensor with integral photocell. Sensor suitable for 8' to 40' mounting height.	Luminaires dim when no occupancy is detected.	Acuity Controls rSBG	Cannot be used with other controls options that need the 0-10V leads.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclypse.	nLight Air rSBG	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app. Cannot be used with other controls options that need the 0-10V leads.
BL30 or BL50	Integrated bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output	BLC device provides input to 0-10V dimming leads on all drivers providing either 100% or dimmed (30% or 50%) control by a secondary circuit	BLC UVOLT1	BLC device is powered off the 0-10V dimming leads, thus can be used with any input voltage from 120 to 480V

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Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79.
Contact factory for performance data on any configurations not shown here.

Forward Optics

LED Count	Drive Current (mA)	Performance Package	System Watts	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30	530	**P1**	51W	T1S	7,776	1	0	2	153	8,104	1	0	2	159	8,262	1	0	2	162
				T2M	7,203	1	0	3	142	7,507	2	0	3	147	7,653	2	0	3	150
				T3M	7,287	1	0	3	143	7,594	1	0	3	149	7,742	1	0	3	152
				T3LG	6,509	1	0	1	128	6,783	1	0	1	133	6,916	1	0	1	136
				T4M	7,395	1	0	3	145	7,707	1	0	3	151	7,857	1	0	3	154
				T4LG	6,726	1	0	1	132	7,010	1	0	1	138	7,146	1	0	1	140
				TFTM	7,446	1	0	3	146	7,760	1	0	3	152	7,912	1	0	3	155
				T5M	7,609	3	0	2	149	7,930	3	0	2	156	8,084	3	0	2	159
				T5W	7,732	3	0	2	152	8,058	4	0	2	158	8,215	4	0	2	161
				T5LG	7,631	3	0	1	150	7,953	3	0	1	156	8,108	3	0	1	159
				BLC3	5,300	0	0	2	104	5,524	0	0	2	109	5,631	0	0	2	111
				BLC4	5,474	0	0	3	108	5,705	0	0	3	112	5,816	0	0	3	114
				RCCO	5,348	0	0	2	105	5,573	0	0	2	109	5,682	0	0	2	112
				LCCO	5,348	0	0	2	105	5,573	0	0	2	109	5,682	0	0	2	112
				AFR	7,776	1	0	2	153	8,104	1	0	2	159	8,262	1	0	2	162
30	700	**P2**	68W	T1S	9,997	1	0	2	147	10,418	1	0	2	154	10,621	1	0	2	157
				T2M	9,260	2	0	3	137	9,651	2	0	3	142	9,839	2	0	3	145
				T3M	9,368	2	0	3	138	9,763	2	0	3	144	9,953	2	0	3	147
				T3LG	8,368	1	0	2	123	8,721	1	0	2	129	8,891	1	0	2	131
				T4M	9,507	2	0	3	140	9,909	2	0	3	146	10,102	2	0	3	149
				T4LG	8,647	1	0	2	128	9,012	1	0	2	133	9,187	1	0	2	136
				TFTM	9,573	2	0	3	141	9,977	2	0	3	147	10,172	2	0	3	150
				T5M	9,782	4	0	2	144	10,195	4	0	2	150	10,393	4	0	2	153
				T5W	9,940	4	0	2	147	10,360	4	0	2	153	10,562	4	0	2	156
				T5LG	9,810	3	0	1	145	10,224	3	0	1	151	10,423	3	0	1	154
				BLC3	6,814	0	0	2	101	7,101	0	0	2	105	7,240	0	0	2	107
				BLC4	7,038	0	0	3	104	7,334	0	0	3	108	7,477	0	0	3	110
				RCCO	6,875	1	0	2	101	7,165	1	0	2	106	7,305	1	0	2	108
				LCCO	6,875	1	0	2	101	7,165	1	0	2	106	7,305	1	0	2	108
				AFR	9,997	1	0	2	147	10,418	1	0	2	154	10,621	1	0	2	157
30	1050	**P3**	102W	T1S	14,093	2	0	2	138	14,687	2	0	2	144	14,973	2	0	2	147
				T2M	13,055	2	0	3	128	13,605	2	0	3	133	13,871	2	0	3	136
				T3M	13,206	2	0	4	129	13,763	2	0	4	135	14,031	2	0	4	137
				T3LG	11,797	2	0	2	115	12,294	2	0	2	120	12,534	2	0	2	123
				T4M	13,403	2	0	4	131	13,968	2	0	4	137	14,241	2	0	4	139
				T4LG	12,190	2	0	2	119	12,704	2	0	2	124	12,952	2	0	2	127
				TFTM	13,496	2	0	4	132	14,065	2	0	4	138	14,339	2	0	4	140
				T5M	13,790	4	0	2	135	14,371	4	0	2	141	14,652	4	0	2	143
				T5W	14,013	4	0	3	137	14,605	4	0	3	143	14,889	4	0	3	146
				T5LG	13,830	3	0	2	135	14,413	3	0	2	141	14,694	3	0	2	144
				BLC3	9,606	0	0	2	94	10,011	0	0	2	98	10,206	0	0	2	100
				BLC4	9,921	0	0	3	97	10,340	0	0	3	101	10,541	0	0	3	103
				RCCO	9,692	1	0	2	95	10,101	1	0	2	99	10,298	1	0	2	101
				LCCO	9,692	1	0	2	95	10,101	1	0	2	99	10,298	1	0	2	101
				AFR	14,093	2	0	2	138	14,687	2	0	2	144	14,973	2	0	2	147

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Performance Data

Lumen Output

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Forward Optics

LED Count	Drive Current (mA)	Performance Package	System Watts	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30	1250	**P4**	124W	T1S	16,416	2	0	3	132	17,109	2	0	3	138	17,442	2	0	3	141
				T2M	15,207	3	0	4	123	15,849	3	0	4	128	16,158	3	0	4	130
				T3M	15,383	2	0	4	124	16,032	2	0	4	129	16,345	2	0	4	132
				T3LG	13,742	2	0	2	111	14,321	2	0	2	116	14,600	2	0	2	118
				T4M	15,613	2	0	4	126	16,272	2	0	4	131	16,589	2	0	4	134
				T4LG	14,200	2	0	2	115	14,799	2	0	2	119	15,087	2	0	2	122
				TFTM	15,721	2	0	4	127	16,384	2	0	4	132	16,703	2	0	4	135
				T5M	16,063	4	0	2	130	16,741	4	0	2	135	17,067	4	0	2	138
				T5W	16,324	5	0	3	132	17,013	5	0	3	137	17,344	5	0	3	140
				T5LG	16,110	3	0	2	130	16,790	4	0	2	135	17,117	4	0	2	138
				BLC3	11,190	0	0	3	90	11,662	0	0	3	94	11,889	0	0	3	96
				BLC4	11,557	0	0	3	93	12,044	0	0	3	97	12,279	0	0	4	99
				RCCO	11,291	1	0	3	91	11,767	1	0	3	95	11,996	1	0	3	97
				LCCO	11,291	1	0	3	91	11,767	1	0	3	95	11,996	1	0	3	97
				AFR	16,416	2	0	3	132	17,109	2	0	3	138	17,442	2	0	3	141
30	1400	**P5**	138W	T1S	18,052	2	0	3	131	18,814	2	0	3	136	19,180	2	0	3	139
				T2M	16,723	3	0	4	121	17,428	3	0	4	126	17,768	3	0	4	129
				T3M	16,917	3	0	4	122	17,630	3	0	4	128	17,974	3	0	4	130
				T3LG	15,111	2	0	2	109	15,749	2	0	2	114	16,055	2	0	2	116
				T4M	17,169	3	0	5	124	17,893	3	0	5	130	18,242	3	0	5	132
				T4LG	15,615	2	0	2	113	16,274	2	0	2	118	16,591	2	0	2	120
				TFTM	17,288	2	0	4	125	18,017	2	0	5	130	18,368	3	0	5	133
				T5M	17,664	5	0	3	128	18,410	5	0	3	133	18,768	5	0	3	136
				T5W	17,951	5	0	3	130	18,708	5	0	3	135	19,073	5	0	3	138
				T5LG	17,716	4	0	2	128	18,463	4	0	2	134	18,823	4	0	2	136
				BLC3	12,305	0	0	3	89	12,824	0	0	3	93	13,074	0	0	3	95
				BLC4	12,709	0	0	4	92	13,245	0	0	4	96	13,503	0	0	4	98
				RCCO	12,416	1	0	3	90	12,940	1	0	3	94	13,192	1	0	3	95
				LCCO	12,416	1	0	3	90	12,940	1	0	3	94	13,192	1	0	3	95
				AFR	18,052	2	0	3	131	18,814	2	0	3	136	19,180	2	0	3	139
40	1250	**P6**	165W	T1S	21,031	2	0	3	127	21,918	2	0	3	133	22,345	2	0	3	135
				T2M	19,482	3	0	4	118	20,303	3	0	4	123	20,699	3	0	4	125
				T3M	19,708	3	0	5	119	20,539	3	0	5	124	20,939	3	0	5	127
				T3LG	17,604	2	0	2	107	18,347	2	0	2	111	18,704	2	0	2	113
				T4M	20,001	3	0	5	121	20,845	3	0	5	126	21,251	3	0	5	129
				T4LG	18,191	2	0	2	110	18,959	2	0	2	115	19,328	2	0	2	117
				TFTM	20,140	3	0	5	122	20,989	3	0	5	127	21,398	3	0	5	129
				T5M	20,579	5	0	3	125	21,447	5	0	3	130	21,865	5	0	3	132
				T5W	20,912	5	0	3	127	21,795	5	0	3	132	22,219	5	0	3	134
				T5LG	20,638	4	0	2	125	21,509	4	0	2	130	21,928	4	0	2	133
				BLC3	14,335	0	0	3	87	14,940	0	0	3	90	15,231	0	0	3	92
				BLC4	14,805	0	0	4	90	15,430	0	0	4	93	15,731	0	0	4	95
				RCCO	14,464	1	0	3	88	15,074	1	0	3	91	15,368	1	0	3	93
				LCCO	14,464	1	0	3	88	15,074	1	0	3	91	15,368	1	0	3	93
				AFR	21,031	2	0	3	127	21,918	2	0	3	133	22,345	2	0	3	135

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Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79.
Contact factory for performance data on any configurations not shown here.

Forward Optics

LED Count	Drive Current (mA)	Performance Package	System Watts	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
40	1400	**P7**	184W	T1S	22,741	2	0	3	123	23,700	2	0	3	129	24,162	3	0	3	131
				T2M	21,066	3	0	4	114	21,955	3	0	4	119	22,383	3	0	4	121
				T3M	21,311	3	0	5	116	22,210	3	0	5	120	22,642	3	0	5	123
				T3LG	19,036	2	0	2	103	19,839	2	0	3	108	20,226	2	0	3	110
				T4M	21,628	3	0	5	117	22,541	3	0	5	122	22,980	3	0	5	125
				T4LG	19,671	2	0	2	107	20,501	2	0	3	111	20,900	2	0	3	113
				TFTM	21,778	3	0	5	118	22,697	3	0	5	123	23,139	3	0	5	125
				T5M	22,252	5	0	3	121	23,191	5	0	3	126	23,643	5	0	3	128
				T5W	22,613	5	0	3	123	23,567	5	0	4	128	24,027	5	0	4	130
				T5LG	22,317	4	0	2	121	23,258	4	0	2	126	23,712	4	0	2	129
				BLC3	15,501	0	0	3	84	16,155	0	0	4	88	16,470	0	0	4	89
				BLC4	16,010	0	0	4	87	16,685	0	0	4	90	17,010	0	0	4	92
				RCCO	15,631	5	0	5	85	---	---	---	---	---	---	---	---	---	---
				LCCO	15,641	1	0	3	85	---	---	---	---	---	---	---	---	---	---
				AFR	22,741	2	0	3	123	23,700	2	0	3	129	24,162	3	0	3	131
60	1100	**P8**	216W	T1S	28,701	3	0	3	133	29,912	3	0	4	139	30,495	3	0	4	141
				T2M	26,587	3	0	5	123	27,709	3	0	5	128	28,249	3	0	5	131
				T3M	26,895	3	0	5	125	28,030	3	0	5	130	28,576	3	0	5	132
				T3LG	24,025	3	0	3	111	25,038	3	0	3	116	25,526	3	0	3	118
				T4M	27,296	3	0	5	127	28,448	3	0	5	132	29,002	3	0	5	134
				T4LG	24,826	3	0	3	115	25,873	3	0	3	120	26,378	3	0	3	122
				TFTM	27,485	3	0	5	127	28,645	3	0	5	133	29,203	3	0	5	135
				T5M	28,084	5	0	4	130	29,269	5	0	4	136	29,839	5	0	4	138
				T5W	28,539	5	0	4	132	29,743	5	0	4	138	30,323	5	0	4	141
				T5LG	28,165	4	0	2	131	29,354	4	0	2	136	29,926	4	0	2	139
				BLC3	19,563	0	0	4	91	20,388	0	0	4	94	20,786	0	0	4	96
				BLC4	20,205	0	0	5	94	21,057	0	0	5	98	21,468	0	0	5	99
				RCCO	19,740	1	0	4	91	20,572	1	0	4	95	20,973	1	0	4	97
				LCCO	19,740	1	0	4	91	20,572	1	0	4	95	20,973	1	0	4	97
				AFR	28,701	3	0	3	133	29,912	3	0	4	139	30,495	3	0	4	141
60	1400	**P9**	277W	T1S	34,819	3	0	4	126	36,288	3	0	4	131	36,996	3	0	4	134
				T2M	32,255	3	0	5	116	33,616	3	0	5	121	34,271	3	0	5	124
				T3M	32,629	3	0	5	118	34,006	3	0	5	123	34,668	3	0	5	125
				T3LG	29,146	3	0	3	105	30,376	3	0	4	110	30,968	3	0	4	112
				T4M	33,116	3	0	5	120	34,513	3	0	5	125	35,185	3	0	5	127
				T4LG	30,119	3	0	3	109	31,389	3	0	4	113	32,001	3	0	4	116
				TFTM	33,345	3	0	5	120	34,751	3	0	5	125	35,429	3	0	5	128
				T5M	34,071	5	0	4	123	35,509	5	0	4	128	36,201	5	0	4	131
				T5W	34,624	5	0	4	125	36,084	5	0	4	130	36,788	5	0	4	133
				T5LG	34,170	5	0	3	123	35,612	5	0	3	129	36,306	5	0	3	131
				BLC3	23,734	0	0	4	86	24,735	0	0	4	89	25,217	0	0	4	91
				BLC4	24,513	0	0	5	88	25,547	0	0	5	92	26,045	0	0	5	94
				RCCO	23,948	1	0	4	86	24,958	1	0	4	90	25,445	1	0	4	92
				LCCO	23,948	1	0	4	86	24,958	1	0	4	90	25,445	1	0	4	92
				AFR	34,819	3	0	4	126	36,288	3	0	4	131	36,996	3	0	4	134

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Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79.
Contact factory for performance data on any configurations not shown here.

Rotated Optics

LED Count	Drive Current (mA)	Performance Package	System Watts	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
60	530	**P10**	101W	T1S	15,164	3	0	3	150	15,803	3	0	3	156	16,112	3	0	3	159
				T2M	14,047	4	0	4	139	14,640	4	0	4	145	14,925	4	0	4	147
				T3M	14,208	4	0	4	140	14,807	4	0	4	146	15,096	4	0	4	149
				T3LG	12,693	3	0	3	125	13,229	3	0	3	131	13,487	3	0	3	133
				T4M	14,420	4	0	4	142	15,028	4	0	4	148	15,321	4	0	4	151
				T4LG	13,115	3	0	3	129	13,668	3	0	3	135	13,934	3	0	3	138
				TFTM	14,522	4	0	4	143	15,134	4	0	4	149	15,429	4	0	4	152
				T5M	14,836	4	0	2	146	15,462	4	0	2	153	15,763	4	0	2	156
				T5W	15,076	4	0	3	149	15,712	5	0	3	155	16,019	5	0	3	158
				T5LG	14,879	3	0	2	147	15,507	3	0	2	153	15,809	3	0	2	156
				BLC3	10,335	3	0	3	102	10,771	4	0	4	106	10,981	4	0	4	108
				BLC4	10,674	4	0	4	105	11,124	4	0	4	110	11,341	4	0	4	112
				RCCO	10,429	1	0	2	103	10,869	1	0	2	107	11,080	1	0	2	109
				LCCO	10,429	1	0	2	103	10,869	1	0	2	107	11,080	1	0	2	109
				AFR	15,164	3	0	3	150	15,803	3	0	3	156	16,112	3	0	3	159
60	700	**P11**	135W	T1S	19,437	4	0	4	144	20,257	4	0	4	150	20,651	4	0	4	153
				T2M	18,005	4	0	4	133	18,765	4	0	4	139	19,131	4	0	4	142
				T3M	18,211	4	0	4	135	18,980	4	0	4	141	19,350	4	0	4	143
				T3LG	16,270	3	0	3	121	16,957	3	0	3	126	17,287	4	0	4	128
				T4M	18,483	4	0	4	137	19,263	5	0	5	143	19,638	5	0	5	146
				T4LG	16,810	3	0	3	125	17,519	3	0	3	130	17,861	3	0	3	132
				TFTM	18,614	4	0	4	138	19,399	4	0	4	144	19,777	5	0	5	147
				T5M	19,017	5	0	3	141	19,819	5	0	3	147	20,205	5	0	3	150
				T5W	19,325	5	0	3	143	20,140	5	0	3	149	20,533	5	0	3	152
				T5LG	19,072	4	0	2	141	19,876	4	0	2	147	20,264	4	0	2	150
				BLC3	13,247	4	0	4	98	13,806	4	0	4	102	14,075	4	0	4	104
				BLC4	13,682	4	0	4	101	14,259	4	0	4	106	14,537	4	0	4	108
				RCCO	13,367	1	0	3	99	13,931	1	0	3	103	14,203	1	0	3	105
				LCCO	13,367	1	0	3	99	13,931	1	0	3	103	14,203	1	0	3	105
				AFR	19,437	4	0	4	144	20,257	4	0	4	150	20,651	4	0	4	153
60	1050	**P12**	206W	T1S	27,457	4	0	4	133	28,616	4	0	4	139	29,174	4	0	4	142
				T2M	25,436	5	0	5	124	26,509	5	0	5	129	27,025	5	0	5	131
				T3M	25,727	5	0	5	125	26,812	5	0	5	130	27,335	5	0	5	133
				T3LG	22,984	4	0	4	112	23,954	4	0	4	116	24,421	4	0	4	119
				T4M	26,110	5	0	5	127	27,212	5	0	5	132	27,742	5	0	5	135
				T4LG	23,747	4	0	4	115	24,749	4	0	4	120	25,231	4	0	4	123
				TFTM	26,295	5	0	5	128	27,404	5	0	5	133	27,938	5	0	5	136
				T5M	26,864	5	0	4	130	27,997	5	0	4	136	28,543	5	0	4	139
				T5W	27,299	5	0	4	133	28,451	5	0	4	138	29,006	5	0	4	141
				T5LG	26,942	4	0	2	131	28,078	4	0	2	136	28,626	4	0	2	139
				BLC3	18,714	4	0	4	91	19,504	4	0	4	95	19,884	4	0	4	97
				BLC4	19,327	5	0	5	94	20,143	5	0	5	98	20,535	5	0	5	100
				RCCO	18,883	1	0	4	92	19,680	1	0	4	96	20,064	1	0	4	97
				LCCO	18,883	1	0	4	92	19,680	1	0	4	96	20,064	1	0	4	97
				AFR	27,457	4	0	4	133	28,616	4	0	4	139	29,174	4	0	4	142
60	1400	**P13**	276W	T1S	34,436	5	0	5	125	35,889	5	0	5	130	36,588	5	0	5	133
				T2M	31,900	5	0	5	116	33,246	5	0	5	121	33,894	5	0	5	123
				T3M	32,265	5	0	5	117	33,626	5	0	5	122	34,282	5	0	5	124
				T3LG	28,826	4	0	4	105	30,042	4	0	4	109	30,628	4	0	4	111
				T4M	32,746	5	0	5	119	34,128	5	0	5	124	34,793	5	0	5	126
				T4LG	29,782	4	0	4	108	31,039	4	0	4	113	31,644	5	0	4	115
				TFTM	32,978	5	0	5	120	34,369	5	0	5	125	35,039	5	0	5	127
				T5M	33,692	5	0	4	122	35,113	5	0	4	127	35,797	5	0	4	130
				T5W	34,238	5	0	4	124	35,682	5	0	4	129	36,378	5	0	4	132
				T5LG	33,789	5	0	3	122	35,215	5	0	3	128	35,901	5	0	3	130
				BLC3	23,471	5	0	5	85	24,461	5	0	5	89	24,937	5	0	5	90
				BLC4	24,240	5	0	5	88	25,262	5	0	5	92	25,755	5	0	5	93
				RCCO	23,683	1	0	4	86	24,682	1	0	4	89	25,163	1	0	4	91
				LCCO	23,683	1	0	4	86	24,682	1	0	4	89	25,163	1	0	4	91
				AFR	34,436	5	0	5	125	35,889	5	0	5	130	36,588	5	0	5	133

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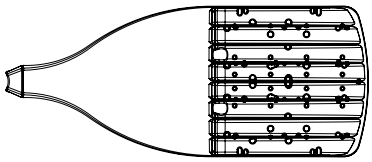
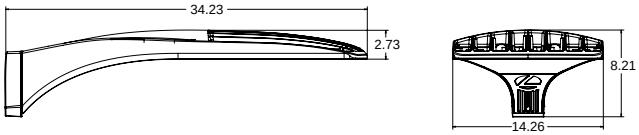
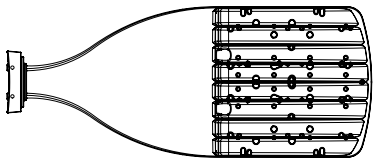
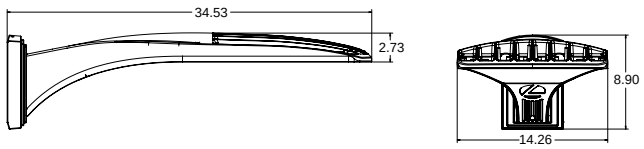
Dimensions





DSX1 with RPA, RPA5, SPA5, SPA8N





DSX1 with WBA

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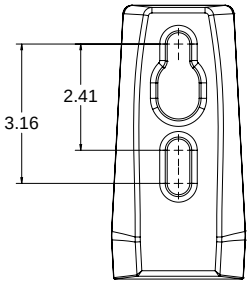

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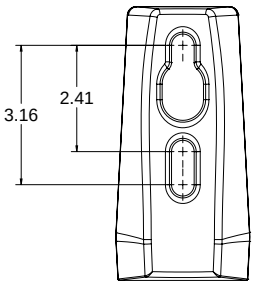
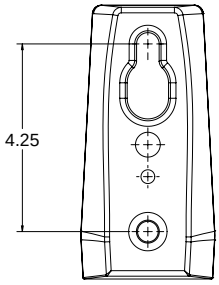
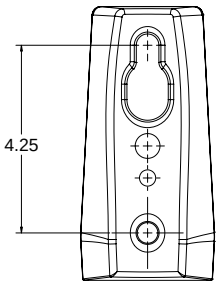


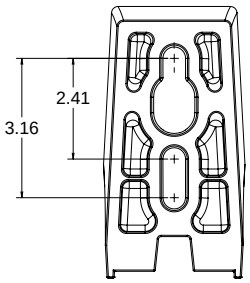
SPA5



RPA5



BASE FIXURE



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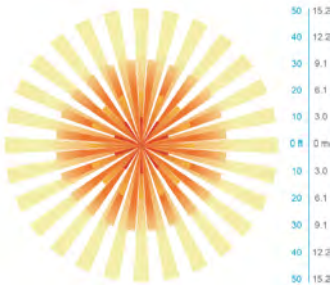
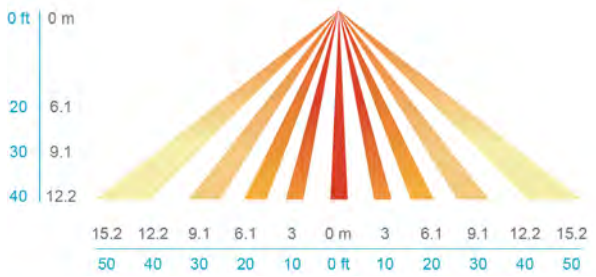
nLight Control - Sensor Coverage and Settings

nLight Sensor Coverage Pattern

NLTAIR2 PIRHN



Top



Side

FEATURES & SPECIFICATIONS

INTENDED USE
The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

CONSTRUCTION
Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing driver compartment is completely sealed against moisture and environmental contaminants (IP66). Vibration rated per ANSI C136.31 for 1.5G. Low EPA (0.69 ft^2) for optimized pole wind loading.

FINISH
Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

Coastal Construction (CCE)
Optional corrosion resistant construction is engineered with added corrosion protection in materials and/or pre-treatment of base material under super durable paint. Provides additional corrosion protection for applications near coastal areas. Finish is salt spray tested to over 5,000 hours per ASTM B117 with scribe rating of 10. Additional lead-times may apply.

OPTICS
Precision-molded proprietary silicone lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 3000 K, 4000 K and 5000 K (70 CRI) configurations. 80CRI configurations are also available. The D-Series Size 1 has zero uplight and qualifies as a Night-time Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL
Light engine configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L81/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS
The DSX1 LED area luminaire has a number of control options. DSX Size 1, comes standard with 0-10V dimming drivers. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. Integrated motion sensor with on-board photocells feature field-adjustable programing and are suitable for mounting heights up to 40 feet. Control option BL features a bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output.

nLIGHT AIR CONTROLS
The DSX1 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaries can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclypse. Additional information about nLight Air can be found here.

INSTALLATION
Integral mounting arm allows for fast mounting using Lithonia standard #8 drilling and accommodates pole drilling's from 2.41 to 3.12" on center. The standard "SPA" option for square poles and the "RPA" option for round poles use the #8 drilling. For #5 pole drillings, use SPA5 or RPA5. Additional mountings are available including a wall bracket (WBA) and mast arm (MA) option that allows luminaire attachment to a 2 3/8" horizontal mast arm.

LISTINGS
UL listed to meet U.S. and Canadian standards. UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP66 rated. Rated for -40°C minimum ambient.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

WARRANTY
5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

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D-Series Size 1
LED Area Luminaire

Catalog Number

Notes

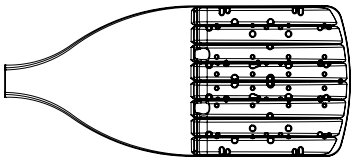
Type

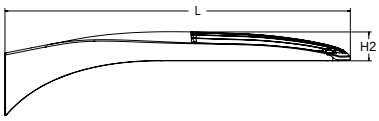
Hit the Tab key or mouse over the page to see all interactive elements.

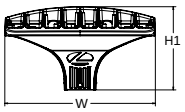
d-series

Specifications

EPA:	0.69 ft² (0.06 m²)
Length:	32.71" (83.1 cm)
Width:	14.26" (36.2 cm)
Height H1:	7.88" (20.0 cm)
Height H2:	2.73" (6.9 cm)
Weight:	34 lbs (15.4 kg)







Introduction

The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: DSX1 LED P7 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED

Series

DSX1 LED

LEDs

Forward optics

P1	P6
P2	P7
P3	P8
P4	P9
P5	

Rotated optics

P10 [1]	P12 [1]
P11 [1]	P13 [1]

Color temperature [2]

(this section 70CRI only)

30K	3000K
40K	4000K
50K	5000K

(this section 80CRI only, extended lead times apply)

27K	2700K
30K	3000K
35K	3500K
40K	4000K
50K	5000K

Color Rendering Index [2]

70CRI	70CRI
70CRI	70CRI
70CRI	70CRI
80CRI	80CRI
80CRI	80CRI
80CRI	80CRI
80CRI	80CRI

Distribution

AFR	Automotive front row
T1S	Type I short
T2M	Type II medium
T3M	Type III medium
T3LG	Type III low glare [3]
T4M	Type IV medium
T4LG	Type IV low glare [3]
TFTM	Forward throw medium
T5M	Type V medium
T5LG	Type V low glare
T5W	Type V wide
BLC3	Type III backlight control [3]
BLC4	Type IV backlight control [3]
LCCO	Left corner cutoff [3]
RCCO	Right corner cutoff [3]

Voltage

MVOLT	(120V-277V) [4]
HVOLT	(347V-480V) [5,6]
XVOLT	(277V - 480V) [7,8]

Mounting

Shipped included

SPA	Square pole mounting (#8 drilling)
RPA	Round pole mounting (#8 drilling)
SPA5	Square pole mounting #5 drilling [9]
RPA5	Round pole mounting #5 drilling [9]
SPA8N	Square narrow pole mounting #8 drilling
WBA	Wall bracket [10]

Control options

Shipped installed

NLTAIR2 PIRHN	nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc. [11,12,20,21]
PIR	High/low, motion/ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc [13,20,21]
PER	NEMA twist-lock receptacle only (controls ordered separate) [14]
PER5	Five-pin receptacle only (controls ordered separate) [14,21]
PER7	Seven-pin receptacle only (controls ordered separate) [14,21]
FAO	Field adjustable output [15,21]
BL30	Bi-level switched dimming, 30% [16,21]
BL50	Bi-level switched dimming, 50% [16,21]
DMG	0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) [17]
DS	Dual switching [18,19,21]

Other options

Shipped installed

SPD20KV	20KV surge protection
HS	Houseside shield (black finish standard) [22]
L90	Left rotated optics [1]
R90	Right rotated optics [1]
CCE	Coastal Construction [23]

Shipped separately

EGSR	External Glare Shield (reversible, field install required, matches housing finish)
BSDB	Bird Spikes (field install required)

Finish *(required)*

DDBXD	Dark Bronze
DBLXD	Black
DNAXD	Natural Aluminum
DWHXD	White
DDBTXD	Textured dark bronze
DBLBXD	Textured black
DNATXD	Textured natural aluminum
DWHGXD	Textured white

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Ordering Information

Accessories

Ordered and shipped separately.

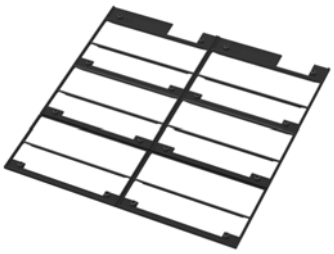
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) [24]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) [24]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [24]
DSHORT SBK	Shorting cap [24]
DSX1HS P#	House-side shield (enter 1-13 in place of #)
DSXRPA (FINISH)	Round pole adapter (#8 drilling, specify finish)
DSXSPA5 (FINISH)	Square pole adapter #5 drilling (specify finish)
DSXRPA5 (FINISH)	Round pole adapter #5 drilling (specify finish)
DSX1EGS (FINISH)	External glare shield

NOTES

1 Rotated optics available with packages P10, P11, P12 and P13. Must be combined with option L90 or R90.
2 30K, 40K, and 50K available in 70CRI and 80CRI. 27K and 35K only available with 80CRI. Contact Technical Support for other possible combinations.
3 T3LG, T4LG, BLC3, BLC4, LCCO, RCCO not available with option HS.
4 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
5 HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
6 HVOLT not available with package P1 and P10 when combined with option NLTAIR2 PIRHN or option PIR.
7 XVOLT operates with any voltage between 277V and 480V (50/60 Hz).
8 XVOLT not available in packages P1 or P10.
9 SPA5 and RPA5 for use with #5 drilling only (Not for use with #8 drilling).
10 WBA cannot be combined with Type 5 distributions plus photocell (PER).
11 NLTAIR2 and PIRHN must be ordered together. For more information on nLight AIR2 visit this link
12 NLTAIR2 PIRHN not available with other controls including PIR, PER, PER5, PER7, FAO, BL30, BL50, DMG and DS. NLTAIR2 PIRHN not available with P1 and P10 using HVOLT. NLTAIR2 PIRHN not available with P1 and P10 using XVOLT.
13 PIR not available with NLTAIR2 PIRHN, PER, PER5, PER7, FAO BL30, BL50, DMG and DS. PIR not available with P1 and P10 using HVOLT. PIR not available with P1 and P10 using XVOLT.
14 PER/PER5/PER7 not available with NLTAIR2 PIRHN, PIR, BL30, BL50, FAO, DMG and DS. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
15 FAO not available with other dimming control options NLTAIR2 PIRHN, PIR, PER5, PER7, BL30, BL50, DMG and DS.
16 BL30 and BL50 are not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, FAO, DMG and DS.
17 DMG not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DS.
18 DS not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DMG.
19 DS requires (2) separately switched circuits. DS provides 50/50 fixture operation via (2) different sets of leads using (2) drivers. DS only available with packages P8, P9, P10, P11, P12 and P13.
20 Reference Motion Sensor Default Settings table on page 4 to see functionality.
21 Reference Controls Options table on page 4.
22 HS not available with T3LG, T4LG, BLC3, BLC4, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
23 CCE option not available with option BS and EGS. Contact Technical Support for availability.
24 Requires luminaire to be specified with PER, PER5 or PER7 option. See Controls Table on page 4.

Shield Accessories

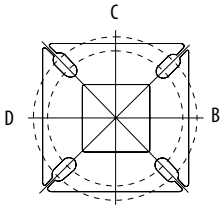
External Glare Shield (EGS)

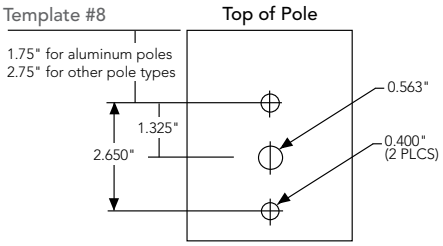


House Side Shield (HS)

Drilling

HANDHOLE ORIENTATION





Tenon Mounting Slipfitter

Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @ 90	3 @120	4 @ 90
2-3/8"	RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 390	AS3-5 320	AS3-5 490
2-7/8"	RPA	AST25-190	AST25-280	AST25-290	AST25-390	AST25-320	AST25-490
4"	RPA	AST35-190	AST35-280	AST35-290	AST35-390	AST35-320	AST35-490

Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS
		Minimum Acceptable Outside Pole Dimension					
SPA	#8	3.5"	3.5"	3.5"	3.5"		3.5"
RPA	#8	3"	3"	3"	3"	3"	3"
SPA5	#5	3"	3"	3"	3"		3"
RPA5	#5	3"	3"	3"	3"	3"	3"
SPA8N	#8	3"	3"	3"	3"		3"

DSX1 Area Luminaire - EPA

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration	Single DM19	2 @ 180 DM28	2 @ 90 DM29	3 @ 90 DM39	3 @ 120 DM32	4 @ 90 DM49
Mounting Type						
DSX1 with SPA	0.69	1.38	1.23	1.54	---	1.58
DSX1 with SPA5, SPA8N	0.70	1.40	1.30	1.66	---	1.68
DSX1 with RPA, RPA5	0.70	1.40	1.30	1.66	1.60	1.68
DSX1 with MA	0.83	1.66	1.50	2.09	2.09	2.09

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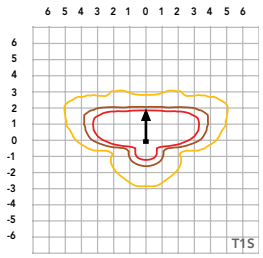
Photometric Diagrams

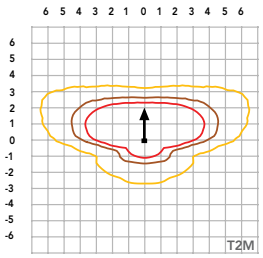
To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's homepage.

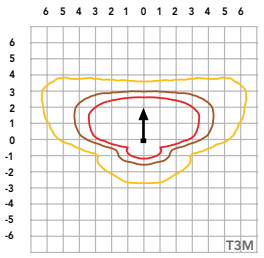
Isofootcandle plots for the DSX1 LED P9 40K 70CRI. Distances are in units of mounting height (25').

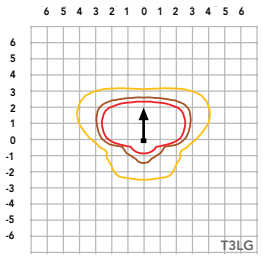
LEGEND

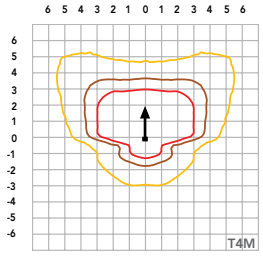
- 0.1 fc
- 0.5 fc
- 1.0 fc

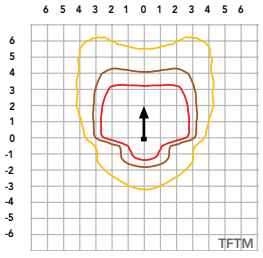


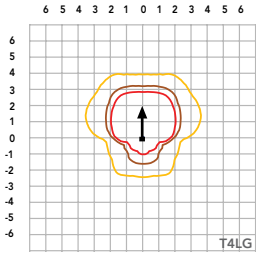


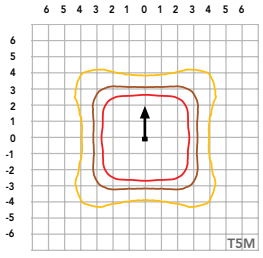


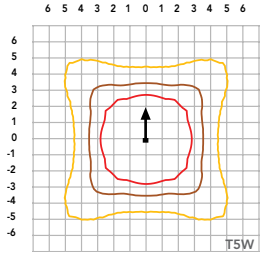


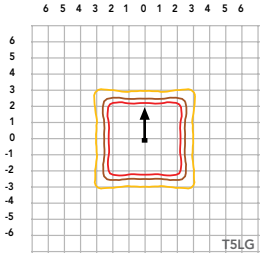


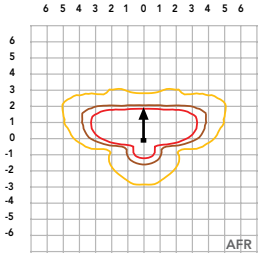


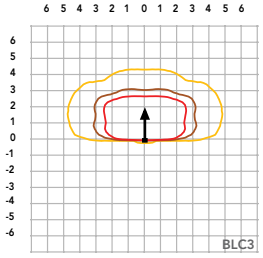


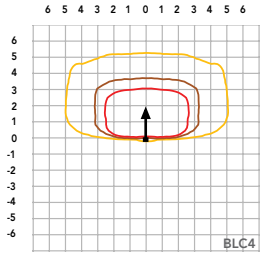


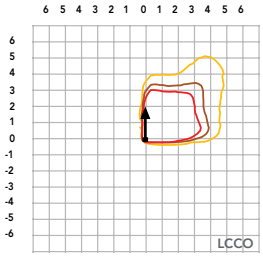


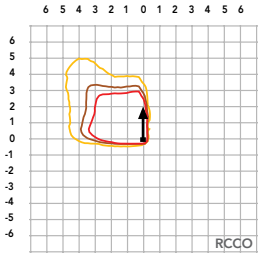












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Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	50°F	1.02
20°C	68°F	1.01
25°C	**77°C**	**1.00**
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	Lumen Maintenance Factor
0	1.00
25,000	0.95
50,000	0.90
100,000	0.81

FAO Dimming Settings

FAO Position	% Wattage	% Lumen Output
8	100%	100%
7	93%	95%
6	80%	85%
5	66%	73%
4	54%	61%
3	41%	49%
2	29%	36%
1	15%	20%

*Note: Calculated values are based on original performance package data. When calculating new values for given FAO position, use maximum published values by package listed on specification sheet (input watts and lumens by optic type).

Electrical Load

	Performance Package	LED Count	Drive Current (mA)	Wattage	Current (A) 120V	208V	240V	277V	347V	480V
Forward Optics (Non-Rotated)	P1	30	530	51	0.42	0.24	0.21	0.18	0.15	0.11
	P2	30	700	68	0.56	0.33	0.28	0.24	0.20	0.14
	P3	30	1050	104	0.85	0.49	0.43	0.37	0.29	0.21
	P4	30	1250	125	1.03	0.60	0.52	0.45	0.36	0.26
	P5	30	1400	142	1.15	0.66	0.58	0.50	0.40	0.29
	P6	40	1250	167	1.38	0.79	0.69	0.60	0.48	0.34
	P7	40	1400	188	1.54	0.89	0.77	0.67	0.53	0.38
	P8	60	1100	216	1.80	1.04	0.90	0.78	0.62	0.45
	P9	60	1400	279	2.31	1.33	1.15	1.00	0.80	0.58
Rotated Optics (Requires L90 or R90)	P10	60	530	101	0.84	0.49	0.42	0.37	0.29	0.21
	P11	60	700	135	1.12	0.65	0.56	0.49	0.39	0.28
	P12	60	1050	206	1.72	0.99	0.86	0.74	0.59	0.43
	P13	60	1400	279	2.30	1.33	1.15	1.00	0.79	0.57

LED Color Temperature / Color Rendering Multipliers

	70 CRI		80CRI		90CRI	
	Lumen Multiplier	Availability	Lumen Multiplier	Availability	Lumen Multiplier	Availability
5000K	102%	Standard	92%	Extended lead-time	71%	(see note)
4000K	100%	Standard	92%	Extended lead-time	67%	(see note)
3500K	100%	(see note)	90%	Extended lead-time	63%	(see note)
3000K	96%	Standard	87%	Extended lead-time	61%	(see note)
2700K	94%	(see note)	85%	Extended lead-time	57%	(see note)

Note: Some LED types are available as per special request. Contact Technical Support for more information.

Motion Sensor Default Settings

Option	Unoccupied Dimmed Level	High Level (when occupied)	Phototcell Operation	Dwell Time	Ramp-up Time	Dimming Fade Rate
PIR	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min
NLTAIR2 PIRHN	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min

Controls Options

Nomenclature	Description	Functionality	Primary control device	Notes
FAO	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FAO device	Cannot be used with other controls options that need the 0-10V leads
DS (not available on DSX0)	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PER5 or PER7	Twist-lock photocell receptacle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire. Cannot be used with other controls options that need the 0-10V leads.
PIR	Motion sensor with integral photocell. Sensor suitable for 8' to 40' mounting height.	Luminaires dim when no occupancy is detected.	Acuity Controls rSBG	Cannot be used with other controls options that need the 0-10V leads.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclypse.	nLight Air rSBG	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app. Cannot be used with other controls options that need the 0-10V leads.
BL30 or BL50	Integrated bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output	BLC device provides input to 0-10V dimming leads on all drivers providing either 100% or dimmed (30% or 50%) control by a secondary circuit	BLC UVOLT1	BLC device is powered off the 0-10V dimming leads, thus can be used with any input voltage from 120 to 480V

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Performance Data

Lumen Output

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Contact factory for performance data on any configurations not shown here.

Forward Optics

LED Count	Drive Current (mA)	Performance Package	System Watts	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30	530	**P1**	51W	T1S	7,776	1	0	2	153	8,104	1	0	2	159	8,262	1	0	2	162
				T2M	7,203	1	0	3	142	7,507	2	0	3	147	7,653	2	0	3	150
				T3M	7,287	1	0	3	143	7,594	1	0	3	149	7,742	1	0	3	152
				T3LG	6,509	1	0	1	128	6,783	1	0	1	133	6,916	1	0	1	136
				T4M	7,395	1	0	3	145	7,707	1	0	3	151	7,857	1	0	3	154
				T4LG	6,726	1	0	1	132	7,010	1	0	1	138	7,146	1	0	1	140
				TFTM	7,446	1	0	3	146	7,760	1	0	3	152	7,912	1	0	3	155
				T5M	7,609	3	0	2	149	7,930	3	0	2	156	8,084	3	0	2	159
				T5W	7,732	3	0	2	152	8,058	4	0	2	158	8,215	4	0	2	161
				T5LG	7,631	3	0	1	150	7,953	3	0	1	156	8,108	3	0	1	159
				BLC3	5,300	0	0	2	104	5,524	0	0	2	109	5,631	0	0	2	111
				BLC4	5,474	0	0	3	108	5,705	0	0	3	112	5,816	0	0	3	114
				RCCO	5,348	0	0	2	105	5,573	0	0	2	109	5,682	0	0	2	112
				LCCO	5,348	0	0	2	105	5,573	0	0	2	109	5,682	0	0	2	112
				AFR	7,776	1	0	2	153	8,104	1	0	2	159	8,262	1	0	2	162
30	700	**P2**	68W	T1S	9,997	1	0	2	147	10,418	1	0	2	154	10,621	1	0	2	157
				T2M	9,260	2	0	3	137	9,651	2	0	3	142	9,839	2	0	3	145
				T3M	9,368	2	0	3	138	9,763	2	0	3	144	9,953	2	0	3	147
				T3LG	8,368	1	0	2	123	8,721	1	0	2	129	8,891	1	0	2	131
				T4M	9,507	2	0	3	140	9,909	2	0	3	146	10,102	2	0	3	149
				T4LG	8,647	1	0	2	128	9,012	1	0	2	133	9,187	1	0	2	136
				TFTM	9,573	2	0	3	141	9,977	2	0	3	147	10,172	2	0	3	150
				T5M	9,782	4	0	2	144	10,195	4	0	2	150	10,393	4	0	2	153
				T5W	9,940	4	0	2	147	10,360	4	0	2	153	10,562	4	0	2	156
				T5LG	9,810	3	0	1	145	10,224	3	0	1	151	10,423	3	0	1	154
				BLC3	6,814	0	0	2	101	7,101	0	0	2	105	7,240	0	0	2	107
				BLC4	7,038	0	0	3	104	7,334	0	0	3	108	7,477	0	0	3	110
				RCCO	6,875	1	0	2	101	7,165	1	0	2	106	7,305	1	0	2	108
				LCCO	6,875	1	0	2	101	7,165	1	0	2	106	7,305	1	0	2	108
				AFR	9,997	1	0	2	147	10,418	1	0	2	154	10,621	1	0	2	157
30	1050	**P3**	102W	T1S	14,093	2	0	2	138	14,687	2	0	2	144	14,973	2	0	2	147
				T2M	13,055	2	0	3	128	13,605	2	0	3	133	13,871	2	0	3	136
				T3M	13,206	2	0	4	129	13,763	2	0	4	135	14,031	2	0	4	137
				T3LG	11,797	2	0	2	115	12,294	2	0	2	120	12,534	2	0	2	123
				T4M	13,403	2	0	4	131	13,968	2	0	4	137	14,241	2	0	4	139
				T4LG	12,190	2	0	2	119	12,704	2	0	2	124	12,952	2	0	2	127
				TFTM	13,496	2	0	4	132	14,065	2	0	4	138	14,339	2	0	4	140
				T5M	13,790	4	0	2	135	14,371	4	0	2	141	14,652	4	0	2	143
				T5W	14,013	4	0	3	137	14,605	4	0	3	143	14,889	4	0	3	146
				T5LG	13,830	3	0	2	135	14,413	3	0	2	141	14,694	3	0	2	144
				BLC3	9,606	0	0	2	94	10,011	0	0	2	98	10,206	0	0	2	100
				BLC4	9,921	0	0	3	97	10,340	0	0	3	101	10,541	0	0	3	103
				RCCO	9,692	1	0	2	95	10,101	1	0	2	99	10,298	1	0	2	101
				LCCO	9,692	1	0	2	95	10,101	1	0	2	99	10,298	1	0	2	101
				AFR	14,093	2	0	2	138	14,687	2	0	2	144	14,973	2	0	2	147

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Performance Data

Lumen Output

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Forward Optics

LED Count	Drive Current (mA)	Performance Package	System Watts	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30	1250	**P4**	124W	T1S	16,416	2	0	3	132	17,109	2	0	3	138	17,442	2	0	3	141
				T2M	15,207	3	0	4	123	15,849	3	0	4	128	16,158	3	0	4	130
				T3M	15,383	2	0	4	124	16,032	2	0	4	129	16,345	2	0	4	132
				T3LG	13,742	2	0	2	111	14,321	2	0	2	116	14,600	2	0	2	118
				T4M	15,613	2	0	4	126	16,272	2	0	4	131	16,589	2	0	4	134
				T4LG	14,200	2	0	2	115	14,799	2	0	2	119	15,087	2	0	2	122
				TFTM	15,721	2	0	4	127	16,384	2	0	4	132	16,703	2	0	4	135
				T5M	16,063	4	0	2	130	16,741	4	0	2	135	17,067	4	0	2	138
				T5W	16,324	5	0	3	132	17,013	5	0	3	137	17,344	5	0	3	140
				T5LG	16,110	3	0	2	130	16,790	4	0	2	135	17,117	4	0	2	138
				BLC3	11,190	0	0	3	90	11,662	0	0	3	94	11,889	0	0	3	96
				BLC4	11,557	0	0	3	93	12,044	0	0	3	97	12,279	0	0	4	99
				RCCO	11,291	1	0	3	91	11,767	1	0	3	95	11,996	1	0	3	97
				LCCO	11,291	1	0	3	91	11,767	1	0	3	95	11,996	1	0	3	97
				AFR	16,416	2	0	3	132	17,109	2	0	3	138	17,442	2	0	3	141
30	1400	**P5**	138W	T1S	18,052	2	0	3	131	18,814	2	0	3	136	19,180	2	0	3	139
				T2M	16,723	3	0	4	121	17,428	3	0	4	126	17,768	3	0	4	129
				T3M	16,917	3	0	4	122	17,630	3	0	4	128	17,974	3	0	4	130
				T3LG	15,111	2	0	2	109	15,749	2	0	2	114	16,055	2	0	2	116
				T4M	17,169	3	0	5	124	17,893	3	0	5	130	18,242	3	0	5	132
				T4LG	15,615	2	0	2	113	16,274	2	0	2	118	16,591	2	0	2	120
				TFTM	17,288	2	0	4	125	18,017	2	0	5	130	18,368	3	0	5	133
				T5M	17,664	5	0	3	128	18,410	5	0	3	133	18,768	5	0	3	136
				T5W	17,951	5	0	3	130	18,708	5	0	3	135	19,073	5	0	3	138
				T5LG	17,716	4	0	2	128	18,463	4	0	2	134	18,823	4	0	2	136
				BLC3	12,305	0	0	3	89	12,824	0	0	3	93	13,074	0	0	3	95
				BLC4	12,709	0	0	4	92	13,245	0	0	4	96	13,503	0	0	4	98
				RCCO	12,416	1	0	3	90	12,940	1	0	3	94	13,192	1	0	3	95
				LCCO	12,416	1	0	3	90	12,940	1	0	3	94	13,192	1	0	3	95
				AFR	18,052	2	0	3	131	18,814	2	0	3	136	19,180	2	0	3	139
40	1250	**P6**	165W	T1S	21,031	2	0	3	127	21,918	2	0	3	133	22,345	2	0	3	135
				T2M	19,482	3	0	4	118	20,303	3	0	4	123	20,699	3	0	4	125
				T3M	19,708	3	0	5	119	20,539	3	0	5	124	20,939	3	0	5	127
				T3LG	17,604	2	0	2	107	18,347	2	0	2	111	18,704	2	0	2	113
				T4M	20,001	3	0	5	121	20,845	3	0	5	126	21,251	3	0	5	129
				T4LG	18,191	2	0	2	110	18,959	2	0	2	115	19,328	2	0	2	117
				TFTM	20,140	3	0	5	122	20,989	3	0	5	127	21,398	3	0	5	129
				T5M	20,579	5	0	3	125	21,447	5	0	3	130	21,865	5	0	3	132
				T5W	20,912	5	0	3	127	21,795	5	0	3	132	22,219	5	0	3	134
				T5LG	20,638	4	0	2	125	21,509	4	0	2	130	21,928	4	0	2	133
				BLC3	14,335	0	0	3	87	14,940	0	0	3	90	15,231	0	0	3	92
				BLC4	14,805	0	0	4	90	15,430	0	0	4	93	15,731	0	0	4	95
				RCCO	14,464	1	0	3	88	15,074	1	0	3	91	15,368	1	0	3	93
				LCCO	14,464	1	0	3	88	15,074	1	0	3	91	15,368	1	0	3	93
				AFR	21,031	2	0	3	127	21,918	2	0	3	133	22,345	2	0	3	135

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Performance Data

Lumen Output

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Forward Optics

LED Count	Drive Current (mA)	Performance Package	System Watts	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
40	1400	**P7**	184W	T1S	22,741	2	0	3	123	23,700	2	0	3	129	24,162	3	0	3	131
				T2M	21,066	3	0	4	114	21,955	3	0	4	119	22,383	3	0	4	121
				T3M	21,311	3	0	5	116	22,210	3	0	5	120	22,642	3	0	5	123
				T3LG	19,036	2	0	2	103	19,839	2	0	3	108	20,226	2	0	3	110
				T4M	21,628	3	0	5	117	22,541	3	0	5	122	22,980	3	0	5	125
				T4LG	19,671	2	0	2	107	20,501	2	0	3	111	20,900	2	0	3	113
				TFTM	21,778	3	0	5	118	22,697	3	0	5	123	23,139	3	0	5	125
				T5M	22,252	5	0	3	121	23,191	5	0	3	126	23,643	5	0	3	128
				T5W	22,613	5	0	3	123	23,567	5	0	4	128	24,027	5	0	4	130
				T5LG	22,317	4	0	2	121	23,258	4	0	2	126	23,712	4	0	2	129
				BLC3	15,501	0	0	3	84	16,155	0	0	4	88	16,470	0	0	4	89
				BLC4	16,010	0	0	4	87	16,685	0	0	4	90	17,010	0	0	4	92
				RCCO	15,631	5	0	5	85	---	---	---	---	---	---	---	---	---	---
				LCCO	15,641	1	0	3	85	---	---	---	---	---	---	---	---	---	---
				AFR	22,741	2	0	3	123	23,700	2	0	3	129	24,162	3	0	3	131
60	1100	**P8**	216W	T1S	28,701	3	0	3	133	29,912	3	0	4	139	30,495	3	0	4	141
				T2M	26,587	3	0	5	123	27,709	3	0	5	128	28,249	3	0	5	131
				T3M	26,895	3	0	5	125	28,030	3	0	5	130	28,576	3	0	5	132
				T3LG	24,025	3	0	3	111	25,038	3	0	3	116	25,526	3	0	3	118
				T4M	27,296	3	0	5	127	28,448	3	0	5	132	29,002	3	0	5	134
				T4LG	24,826	3	0	3	115	25,873	3	0	3	120	26,378	3	0	3	122
				TFTM	27,485	3	0	5	127	28,645	3	0	5	133	29,203	3	0	5	135
				T5M	28,084	5	0	4	130	29,269	5	0	4	136	29,839	5	0	4	138
				T5W	28,539	5	0	4	132	29,743	5	0	4	138	30,323	5	0	4	141
				T5LG	28,165	4	0	2	131	29,354	4	0	2	136	29,926	4	0	2	139
				BLC3	19,563	0	0	4	91	20,388	0	0	4	94	20,786	0	0	4	96
				BLC4	20,205	0	0	5	94	21,057	0	0	5	98	21,468	0	0	5	99
				RCCO	19,740	1	0	4	91	20,572	1	0	4	95	20,973	1	0	4	97
				LCCO	19,740	1	0	4	91	20,572	1	0	4	95	20,973	1	0	4	97
				AFR	28,701	3	0	3	133	29,912	3	0	4	139	30,495	3	0	4	141
60	1400	**P9**	277W	T1S	34,819	3	0	4	126	36,288	3	0	4	131	36,996	3	0	4	134
				T2M	32,255	3	0	5	116	33,616	3	0	5	121	34,271	3	0	5	124
				T3M	32,629	3	0	5	118	34,006	3	0	5	123	34,668	3	0	5	125
				T3LG	29,146	3	0	3	105	30,376	3	0	4	110	30,968	3	0	4	112
				T4M	33,116	3	0	5	120	34,513	3	0	5	125	35,185	3	0	5	127
				T4LG	30,119	3	0	3	109	31,389	3	0	4	113	32,001	3	0	4	116
				TFTM	33,345	3	0	5	120	34,751	3	0	5	125	35,429	3	0	5	128
				T5M	34,071	5	0	4	123	35,509	5	0	4	128	36,201	5	0	4	131
				T5W	34,624	5	0	4	125	36,084	5	0	4	130	36,788	5	0	4	133
				T5LG	34,170	5	0	3	123	35,612	5	0	3	129	36,306	5	0	3	131
				BLC3	23,734	0	0	4	86	24,735	0	0	4	89	25,217	0	0	4	91
				BLC4	24,513	0	0	5	88	25,547	0	0	5	92	26,045	0	0	5	94
				RCCO	23,948	1	0	4	86	24,958	1	0	4	90	25,445	1	0	4	92
				LCCO	23,948	1	0	4	86	24,958	1	0	4	90	25,445	1	0	4	92
				AFR	34,819	3	0	4	126	36,288	3	0	4	131	36,996	3	0	4	134

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Performance Data

Lumen Output

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Rotated Optics

LED Count	Drive Current (mA)	Performance Package	System Watts	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
60	530	**P10**	101W	T1S	15,164	3	0	3	150	15,803	3	0	3	156	16,112	3	0	3	159
				T2M	14,047	4	0	4	139	14,640	4	0	4	145	14,925	4	0	4	147
				T3M	14,208	4	0	4	140	14,807	4	0	4	146	15,096	4	0	4	149
				T3LG	12,693	3	0	3	125	13,229	3	0	3	131	13,487	3	0	3	133
				T4M	14,420	4	0	4	142	15,028	4	0	4	148	15,321	4	0	4	151
				T4LG	13,115	3	0	3	129	13,668	3	0	3	135	13,934	3	0	3	138
				TFTM	14,522	4	0	4	143	15,134	4	0	4	149	15,429	4	0	4	152
				T5M	14,836	4	0	2	146	15,462	4	0	2	153	15,763	4	0	2	156
				T5W	15,076	4	0	3	149	15,712	5	0	3	155	16,019	5	0	3	158
				T5LG	14,879	3	0	2	147	15,507	3	0	2	153	15,809	3	0	2	156
				BLC3	10,335	3	0	3	102	10,771	4	0	4	106	10,981	4	0	4	108
				BLC4	10,674	4	0	4	105	11,124	4	0	4	110	11,341	4	0	4	112
				RCCO	10,429	1	0	2	103	10,869	1	0	2	107	11,080	1	0	2	109
				LCCO	10,429	1	0	2	103	10,869	1	0	2	107	11,080	1	0	2	109
				AFR	15,164	3	0	3	150	15,803	3	0	3	156	16,112	3	0	3	159
60	700	**P11**	135W	T1S	19,437	4	0	4	144	20,257	4	0	4	150	20,651	4	0	4	153
				T2M	18,005	4	0	4	133	18,765	4	0	4	139	19,131	4	0	4	142
				T3M	18,211	4	0	4	135	18,980	4	0	4	141	19,350	4	0	4	143
				T3LG	16,270	3	0	3	121	16,957	3	0	3	126	17,287	4	0	4	128
				T4M	18,483	4	0	4	137	19,263	5	0	5	143	19,638	5	0	5	146
				T4LG	16,810	3	0	3	125	17,519	3	0	3	130	17,861	3	0	3	132
				TFTM	18,614	4	0	4	138	19,399	4	0	4	144	19,777	5	0	5	147
				T5M	19,017	5	0	3	141	19,819	5	0	3	147	20,205	5	0	3	150
				T5W	19,325	5	0	3	143	20,140	5	0	3	149	20,533	5	0	3	152
				T5LG	19,072	4	0	2	141	19,876	4	0	2	147	20,264	4	0	2	150
				BLC3	13,247	4	0	4	98	13,806	4	0	4	102	14,075	4	0	4	104
				BLC4	13,682	4	0	4	101	14,259	4	0	4	106	14,537	4	0	4	108
				RCCO	13,367	1	0	3	99	13,931	1	0	3	103	14,203	1	0	3	105
				LCCO	13,367	1	0	3	99	13,931	1	0	3	103	14,203	1	0	3	105
				AFR	19,437	4	0	4	144	20,257	4	0	4	150	20,651	4	0	4	153
60	1050	**P12**	206W	T1S	27,457	4	0	4	133	28,616	4	0	4	139	29,174	4	0	4	142
				T2M	25,436	5	0	5	124	26,509	5	0	5	129	27,025	5	0	5	131
				T3M	25,727	5	0	5	125	26,812	5	0	5	130	27,335	5	0	5	133
				T3LG	22,984	4	0	4	112	23,954	4	0	4	116	24,421	4	0	4	119
				T4M	26,110	5	0	5	127	27,212	5	0	5	132	27,742	5	0	5	135
				T4LG	23,747	4	0	4	115	24,749	4	0	4	120	25,231	4	0	4	123
				TFTM	26,295	5	0	5	128	27,404	5	0	5	133	27,938	5	0	5	136
				T5M	26,864	5	0	4	130	27,997	5	0	4	136	28,543	5	0	4	139
				T5W	27,299	5	0	4	133	28,451	5	0	4	138	29,006	5	0	4	141
				T5LG	26,942	4	0	2	131	28,078	4	0	2	136	28,626	4	0	2	139
				BLC3	18,714	4	0	4	91	19,504	4	0	4	95	19,884	4	0	4	97
				BLC4	19,327	5	0	5	94	20,143	5	0	5	98	20,535	5	0	5	100
				RCCO	18,883	1	0	4	92	19,680	1	0	4	96	20,064	1	0	4	97
				LCCO	18,883	1	0	4	92	19,680	1	0	4	96	20,064	1	0	4	97
				AFR	27,457	4	0	4	133	28,616	4	0	4	139	29,174	4	0	4	142
60	1400	**P13**	276W	T1S	34,436	5	0	5	125	35,889	5	0	5	130	36,588	5	0	5	133
				T2M	31,900	5	0	5	116	33,246	5	0	5	121	33,894	5	0	5	123
				T3M	32,265	5	0	5	117	33,626	5	0	5	122	34,282	5	0	5	124
				T3LG	28,826	4	0	4	105	30,042	4	0	4	109	30,628	4	0	4	111
				T4M	32,746	5	0	5	119	34,128	5	0	5	124	34,793	5	0	5	126
				T4LG	29,782	4	0	4	108	31,039	4	0	4	113	31,644	5	0	4	115
				TFTM	32,978	5	0	5	120	34,369	5	0	5	125	35,039	5	0	5	127
				T5M	33,692	5	0	4	122	35,113	5	0	4	127	35,797	5	0	4	130
				T5W	34,238	5	0	4	124	35,682	5	0	4	129	36,378	5	0	4	132
				T5LG	33,789	5	0	3	122	35,215	5	0	3	128	35,901	5	0	3	130
				BLC3	23,471	5	0	5	85	24,461	5	0	5	89	24,937	5	0	5	90
				BLC4	24,240	5	0	5	88	25,262	5	0	5	92	25,755	5	0	5	93
				RCCO	23,683	1	0	4	86	24,682	1	0	4	89	25,163	1	0	4	91
				LCCO	23,683	1	0	4	86	24,682	1	0	4	89	25,163	1	0	4	91
				AFR	34,436	5	0	5	125	35,889	5	0	5	130	36,588	5	0	5	133

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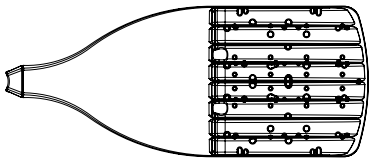
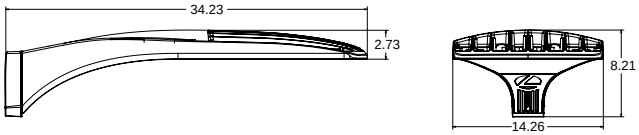
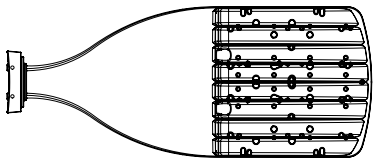
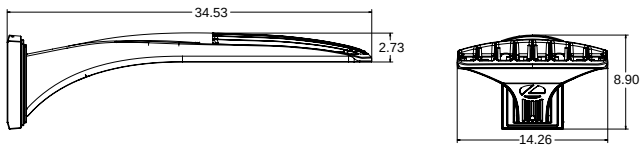
Dimensions





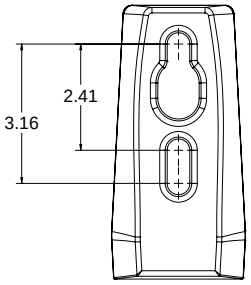
DSX1 with RPA, RPA5, SPA5, SPA8N



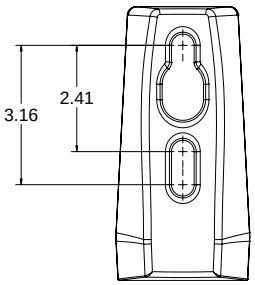


DSX1 with WBA

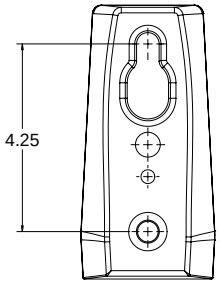
SPA8N



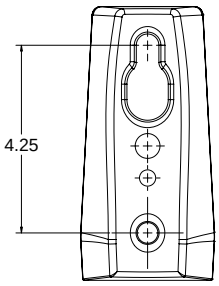
RPA



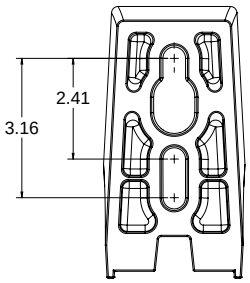
SPA5



RPA5



BASE FIXURE



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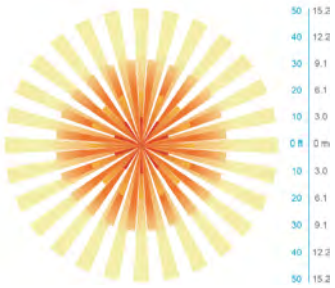
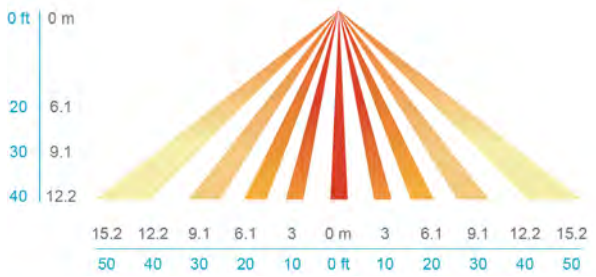
nLight Control - Sensor Coverage and Settings

nLight Sensor Coverage Pattern

NLTAIR2 PIRHN



Top



Side

FEATURES & SPECIFICATIONS

INTENDED USE
The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

CONSTRUCTION
Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing driver compartment is completely sealed against moisture and environmental contaminants (IP66). Vibration rated per ANSI C136.31 for 1.5G. Low EPA (0.69 ft^2) for optimized pole wind loading.

FINISH
Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

Coastal Construction (CCE)
Optional corrosion resistant construction is engineered with added corrosion protection in materials and/or pre-treatment of base material under super durable paint. Provides additional corrosion protection for applications near coastal areas. Finish is salt spray tested to over 5,000 hours per ASTM B117 with scribe rating of 10. Additional lead-times may apply.

OPTICS
Precision-molded proprietary silicone lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 3000 K, 4000 K and 5000 K (70 CRI) configurations. 80CRI configurations are also available. The D-Series Size 1 has zero uplight and qualifies as a Night-time Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL
Light engine configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L81/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS
The DSX1 LED area luminaire has a number of control options. DSX Size 1, comes standard with 0-10V dimming drivers. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. Integrated motion sensor with on-board photocells feature field-adjustable programing and are suitable for mounting heights up to 40 feet. Control option BL features a bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output.

nLIGHT AIR CONTROLS
The DSX1 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaries can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclypse. Additional information about nLight Air can be found here.

INSTALLATION
Integral mounting arm allows for fast mounting using Lithonia standard #8 drilling and accommodates pole drilling's from 2.41 to 3.12" on center. The standard "SPA" option for square poles and the "RPA" option for round poles use the #8 drilling. For #5 pole drillings, use SPA5 or RPA5. Additional mountings are available including a wall bracket (WBA) and mast arm (MA) option that allows luminaire attachment to a 2 3/8" horizontal mast arm.

LISTINGS
UL listed to meet U.S. and Canadian standards. UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP66 rated. Rated for -40°C minimum ambient.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

WARRANTY
5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

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City of Southaven
Office of Planning and Development
Subdivision Staff Report

Date of Hearing:	May 20, 2024
Public Hearing Body:	Planning Commission
Applicant:	SMJ Enterprises 8275 Tournament Drive Suite 100 Memphis, TN 38125 901-440-1370
Total Acreage:	9.191 acres
Existing Zone:	Planned Unit Development (Top of the Sipp)
Location of Subdivision Application	West side of Snowden Lane, north of May Blvd.
Comprehensive Plan Designation:	Commercial

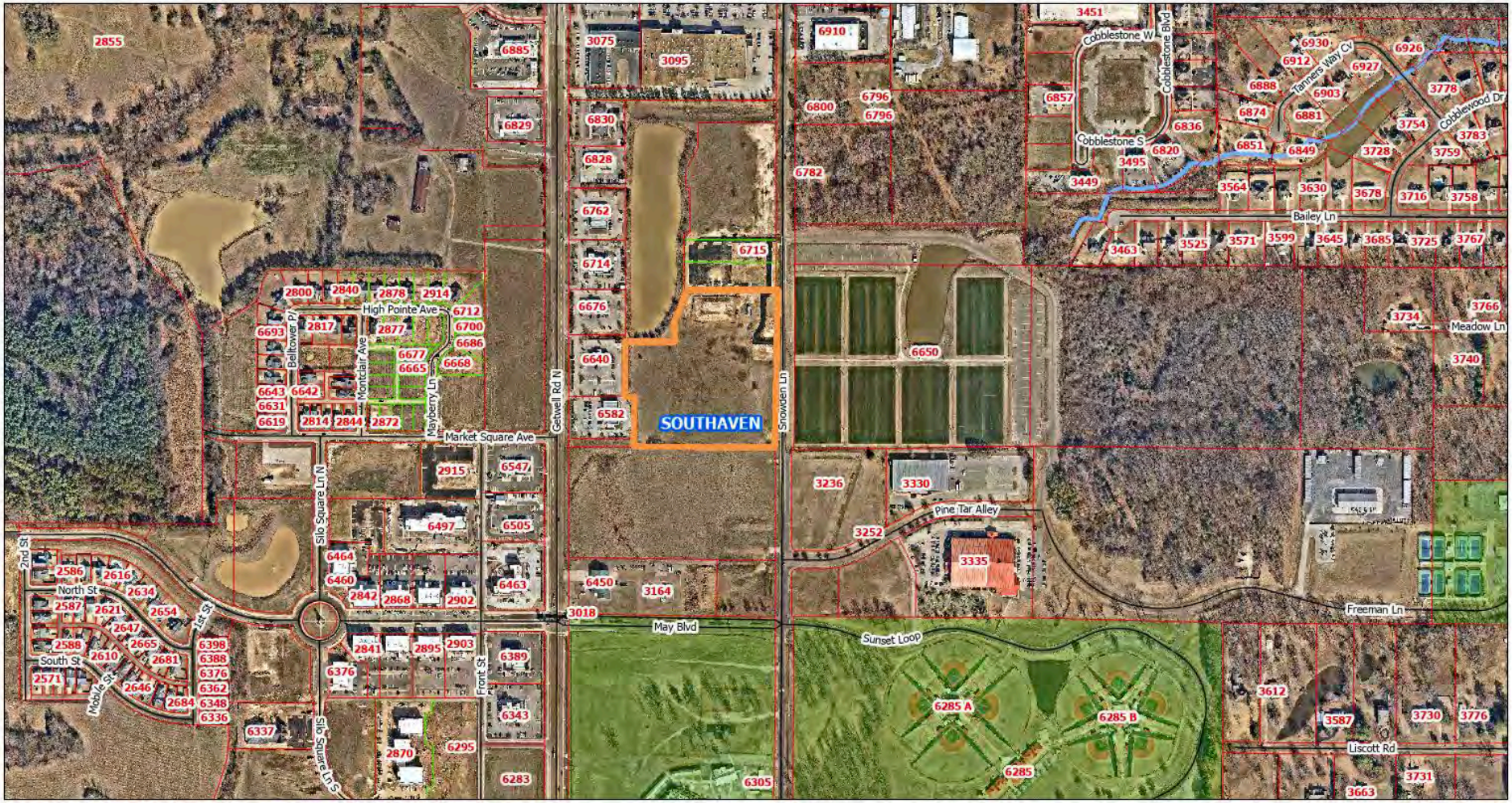
Staff Comments:

The applicant is requesting subdivision approval for Top of the Sipp Phase 2 on the west side of Snowden Lane, north of May Blvd. This phase consists of 2 lots (3 & 4) with lot 3 encompassing 2.332 acres and lot 4 with 6.856 acres. Both lots have frontage along Snowden Lane and a continuation of the internal ingress/egress already recorded with lots 1 and 2 of the same subdivision. Snowden Lane is proposed to be widened into a three lane road with a pedestrian path on the west side of the road. The road dedication as well as the improvement cost for the linear frontage along this area has been discussed with the applicant.

Staff Recommendations:

The subdivision application meets the bulk regulations set forth in the ordinance and the lot layout matches that of the overall PUD previously approved for the Top of the Sipp. Staff has no further comments and recommends approval as submitted.

ArcGIS Web Map



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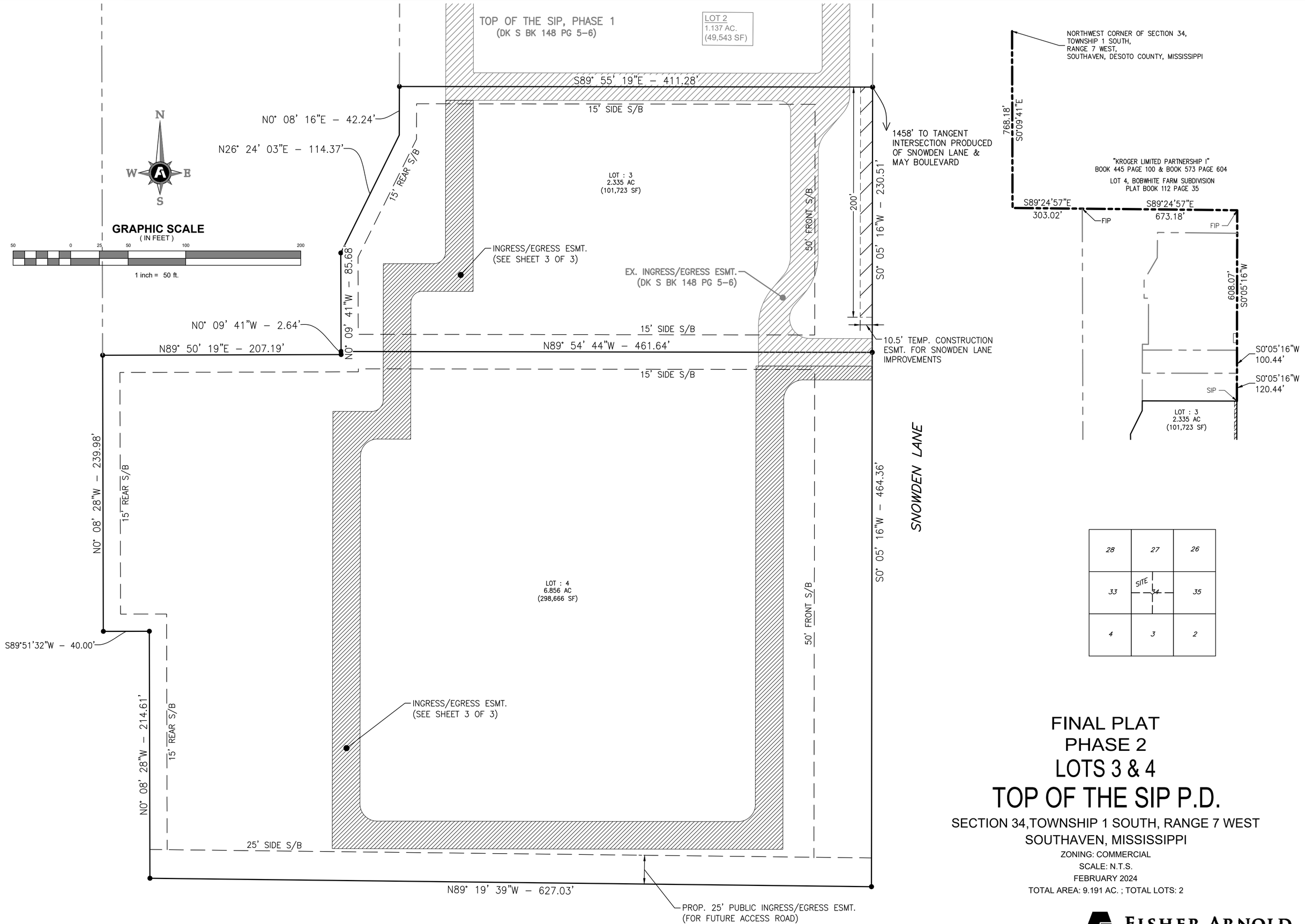
0 0.1 0.2 0.4 km



FINAL PLAT
PHASE 2
LOTS 3 & 4
TOP OF THE SIP P.D.

SECTION 34,TOWNSHIP 1 SOUTH, RANGE 7 WEST
SOUTHAVEN, MISSISSIPPI

ZONING: COMMERCIAL
SCALE: N.T.S.
FEBRUARY 2024
TOTAL AREA: 9.191 AC. ; TOTAL LOTS: 2

DEVELOPER:
SMJ ENTERPRISE, LLC
8275 TOURNAMENT DRIVE, SUITE 100
MEMPHIS, TN 38125

FISHER ARNOLD
ENGINEERS | ARCHITECTS | CONSULTANTS | PLANNERS
9180 Crestwyn Hills Drive | Memphis, Tennessee 38125–8538
907.748.1811 | Fax: 901.748–3115 | wwwfisherarnold.com

City of Southaven
Office of Planning and Development
Design Review Staff Report

Date of Hearing:	May 20, 2024
Public Hearing Body:	Planning Commission
Applicant:	SMJ Enterprises 8275 Tournament Drive Suite 100 Memphis, TN 38125 901-440-1370
Total Acreage:	6.856 acres
Existing Zone:	Planned Unit Development (Top of Sip)
Location of Design Review Application	West side of Snowden Lane, north of May Blvd.
Comprehensive Plan Designation:	Commercial

Staff Comments:

The applicant is requesting design review approval for a mixed use development in the Top of Sip Subdivision Phase 2 lot 4 on the west side of Snowden Lane, north of May Blvd.. The following items were submitted:

Building Elevations:

The applicant is proposing a mixture of materials for the mixed use two story building including five (5) different brick colors, a stone and variations of fiber cement board. The buildings have been shown segmented via materials to break up the long façade of the elevations. The palette is a mixture of traditional red brick and shades of gray and beige. The roofline is a raised parapet with variations in height to further break up the buildings. Additionally, the applicant has provided several types of windows and canopies/awnings to provide more diversity to the buildings. The fiber cement boards are used in several widths and layouts to create a wood siding on one portion of the building while creating a more modern metal panel look to other areas. Several areas of the second floor show a patio areas with decorative metal fencings which gives depth to the building. The overall theme of the design gives a more modern look to the buildings while still having a main street feel to the shopping experience. The outdoor venues stage used a neutral palette of metal and fiber cement board which compliments the overall theme. A mural is shown on the interior of the stage which adds a vibrant color to the venue.

Landscaping:

This site has submitted a very extensive mixture of materials proposed for landscaping including:

PLANT SCHEDULE

	QTY	COMMON NAME	BOTANICAL NAME	CONDITION	CAL	SIZE
TREES						
	15	Armstrong Freeman Maple	Acer x freemanii 'Armstrong'	B & B	3.5"Cal	
	10	Burk Eastern Redcedar	Juniperus virginiana 'Burkii'	B & B		6-7' ht.
	30	Emerald Sentinel™ Eastern Redcedar	Juniperus virginiana 'Corcorcor'	B & B		6-7' ht.
	12	Little Gem Dwarf Southern Magnolia	Magnolia grandiflora 'Little Gem'	B & B		6-7' ht.
	12	Musashino Zelkova	Zelkova serrata 'Musashino'	B & B	2.5"Cal	
	10	Oak Leaf™ Holly	Ilex x 'Conaf'	B & B		6-7' ht.
	19	October Glory Maple	Acer rubrum 'October Glory' TM	B & B	2.5"Cal	
	8	Paperbark Maple	Acer griseum	B & B	2.5"Cal	
	4	Shademaster Honey Locust	Gleditsia triacanthos inermis 'Shademaster'	B & B	2.5"Cal	
	5	Shumard Red Oak	Quercus shumardii	B & B	2.5"Cal	
	28	Taylor Eastern Redcedar	Juniperus virginiana 'Taylor'	B & B		6-7' ht.
	5	Teddy Bear® Southern Magnolia	Magnolia grandiflora 'Southern Charm'	B & B		6-7' ht.
	12	Wildfire Black Tupelo	Nyssa sylvatica 'Wildfire'	B & B	2.5"Cal	
	QTY	COMMON NAME	BOTANICAL NAME	CONDITION	SPR.	HT.
SHRUBS						
	293	Df. Japanese Holly	Ilex crenata 'Compacta'	–		24"
	33	Dwarf Yaupon Holly	Ilex vomitoria 'Nana'	–		18"min.
	49	Encore® Azalea	Azalea x 'Conlet'	–	18" spread	
	38	Green Mountain Boxwood	Buxus x 'Green Mountain'	–		24"min.
	92	Grey Owl Juniper	Juniperus virginiana 'Grey Owl'	–	18" spread	18"min.
	81	Hameln Fountain Grass	Pennisetum alopecuroides 'Hameln'	2 gal		
	12	Kaleidoscope Glossy Abelia	Abelia x grandiflora 'Kaleidoscope'	–	14" spread	
	9	LeAnn™ Cleyera	Ternstroemia gymnanthera 'Contherann'	–		30"min.
	51	Little Richard Abelia	Abelia x grandiflora 'Little Richard'	–	18" spread	
SYMBOL	QTY	COMMON NAME	BOTANICAL NAME	CONT	SPACING	REMARKS
GROUND COVERS						
	22,478 sf	Artificial turf (see notes)	---	Solid Turf		
	471	Happy Returns Daylily	Hemerocallis x 'Happy Returns'	1 gal	18" on centers	Min. 4 pips per pot
	58,098 sf	Tifway 419 Bermudagrass	Cynodon dactylon x transvaalensis 'Tifway 419'	sod		

The landscape plan submitted is extensive and the proposed layout and mixture of each planting bed provides so much detail that a descriptive narrative in this report would not do it justice. Staff refers to the detailed plan and the specs shown above as a compliant submittal.

Staff is not in receipt of a photometric plan.

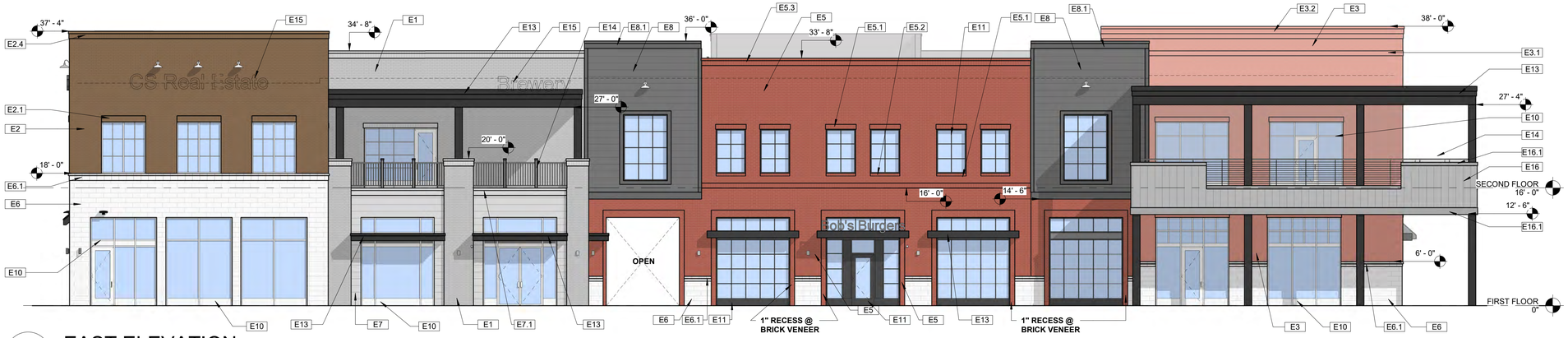
Staff Recommendations:

Staff likes the proposed materials and the break-up of those materials on the building. Staff only comment would be to ensure that the materials on both this section as well as the section to the north not only utilize materials that match well with each other but also to incorporate materials that have already been approved in Phase 1 so that all the phases flow together well. The conceptual design submitted should allow for some flexibility in the breakup of the materials similar to how Silo Square mixed use buildings were approved. It is also recommended that the applicant take the exterior brick wall of the music venue that faces to the north and add an additional mural in this area to create a music vibe and/or market the venue to on lookers in the close vicinity.

The landscape material list is extensive, and staff appreciates the diversity. The applicant should ensure that the shrubs proposed have a minimum of five (5) gallons in planting size. The remainder of the materials meet the minimum criteria.

The applicant should identify a decorative lighting spec for the streetscape areas and other focal point areas that meet the minimum requirements for the approval process. This elevation package is quite different from Phase 1 so the lighting approved for the previous site may not fit the needs of this design. Staff would ask for administrative powers to determine the best lighting.

Staff has no further comments and recommends approval.



1 EAST ELEVATION

1/8" = 1'-0"

2 NORTH ELEVATION

1/8" = 1'-0"

KEYNOTE LEGEND

E1	BRICK VENEER-TYPE 1
E2	BRICK VENEER-TYPE 2
E2.1	BRICK SOLDIER-TYPE 2
E2.4	BRICK ROWLOCK OVER SOLDIER-TYPE2
E3	BRICK VENEER-TYPE 3
E3.1	BRICK SOLDIER-TYPE 3
E3.2	BRICK ROWLOCK OVER DOUBLE SOLDIER-TYPE 3
E4	BRICK VENEER-TYPE 4
E4.1	BRICK SOLDIER-TYPE 4
E4.2	BRICK ROWLOCK OVER DOUBLE SOLDIER-TYPE 4
E5	BRICK VENEER-TYPE 5
E5.1	BRICK SOLDIER-TYPE 5
E5.2	BRICK ROWLOCK-TYPE 5
E5.3	BRICK ROWLOCK OVER SOLDIER-TYPE 5
E6	STONE VENEER-TYPE 1
E6.1	STONE BAND W/ WATERTABLE-TYPE 1
E7	FIBER CEMENT SIDING - PAINT 1
E7.1	FIBER CEMENT TRIM - PAINT 1
E8	FIBER CEMENT SIDING- PAINT 2
E8.1	FIBER CEMENT TRIM- PAINT 2
E10	ALUMINUM STOREFRONT 1
E11	ALUMINUM STOREFRONT 2
E13	PRE-FINISHED MTL. CANOPY - BLACK
E14	PRE-FINISHED RAILING - BLACK
E15	FUTURE BUILDING SIGNAGE - PROVIDE IN-WALL BLOCKING
E16	HARDIE TRIM ACCENT - PAINT 2
E16.1	PRE-FINISHED METAL TRIM - COLOR 1
E17	LIGHT FIXTURE - REF. ELEC.
E18	FABRIC AWNING - CHARCOAL

EXTERIOR MATERIALS LEGEND

BRICK VENEER 1

MANUFACTURER - BELDEN
FINISH - SMOKY GRAY
MORTAR -

BRICK VENEER 2

MANUFACTURER - CHEROKEE
FINISH - VELOUR MEDIUM GRAY
MORTAR -

BRICK VENEER 3

MANUFACTURER - CHEROKEE
FINISH - WELLSTON (T)
MORTAR -

BRICK VENEER 4

MANUFACTURER - GENERAL SHALE
FINISH - DIAMOND WHITE VELOUR
MORTAR -

BRICK VENEER 5

MANUFACTURER - COLUMBUS
FINISH - ANNADALE
MORTAR -

STONE VENEER 1 -

MANUFACTURER - ROCKCAST
FINISH - BUFFSTONE
MORTAR -

PAINT 1 -

MANUFACTURER - SHERWIN WILLIAMS
COLOR -
FINISH - SEMI-GLOSS

PAINT 2 -

MANUFACTURER - SHERWIN WILLIAMS
COLOR - GAUNTLET GRAY - SW7019
FINISH - SEMI-GLOSS

ALUMINUM STOREFRONT 1 -

MANUFACTURER - TUBELITE
COLOR - CLEAR ANODIZED

ALUMINUM STOREFRONT 2 -

MANUFACTURER - TUBELITE
COLOR - BLACK

ALUMINUM STOREFRONT 3 -

MANUFACTURER - TUBELITE
COLOR - LT. AMBER - 2K

CITY OF SOUTHAVEN - DESIGN REVIEW

12/20/2023

TOP OF THE SIPP - ENTERTAINMENT 1

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

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

KEYNOTE LEGEND

E1	BRICK VENEER-TYPE 1
E1.1	BRICK SOLDIER-TYPE 1
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E2	BRICK VENEER-TYPE 2
E2.1	BRICK SOLDIER-TYPE 2
E3	BRICK VENEER-TYPE 3
E3.1	BRICK SOLDIER-TYPE 3
E3.2	BRICK ROWLOCK OVER DOUBLE SOLDIER-TYPE 3
E4	BRICK VENEER-TYPE 4
E4.1	BRICK SOLDIER-TYPE 4
E4.2	BRICK ROWLOCK OVER DOUBLE SOLDIER-TYPE 4
E5	BRICK VENEER-TYPE 5
E5.1	BRICK SOLDIER-TYPE 5
E5.2	BRICK ROWLOCK-TYPE 5
E5.3	BRICK ROWLOCK OVER SOLDIER-TYPE 5
E6	STONE VENEER-TYPE 1
E8	FIBER CEMENT SIDING- PAINT 2
E8.1	FIBER CEMENT TRIM- PAINT 2
E10	ALUMINUM STOREFRONT 1
E11	ALUMINUM STOREFRONT 2
E12	ALUMINUM STOREFRONT 3
E15	FUTURE BUILDING SIGNAGE - PROVIDE IN-WALL BLOCKING
E16	HARDIE TRIM ACCENT - PAINT 2
E17	LIGHT FIXTURE - REF. ELEC.
E18	FABRIC AWNING - CHARCOAL
E19	STANDING SEAM MTL. CANOPY - BRONZE
E20	HOLLOW METAL DOOR AND FRAME - PAINT 2

EXTERIOR MATERIALS LEGEND

BRICK VENEER 1
MANUFACTURER - BELDEN
FINISH - SMOKY GRAY
MORTAR -

BRICK VENEER 2
MANUFACTURER - CHEROKEE
FINISH - VELOUR MEDIUM GRAY
MORTAR -

BRICK VENEER 3
MANUFACTURER - CHEROKEE
FINISH - WELLSTON (T)
MORTAR -

BRICK VENEER 4
MANUFACTURER - GENERAL SHALE
FINISH - DIAMOND WHITE VELOUR
MORTAR -

BRICK VENEER 5
MANUFACTURER - COLUMBUS
FINISH - ANNADALE
MORTAR -

STONE VENEER 1 -
MANUFACTURER - ROCKCAST
FINISH - BUFFSTONE
MORTAR -

PAINT 1 -
MANUFACTURER -
COLOR - SHERWIN WILLIAMS
FINISH - SEMI-GLOSS

PAINT 2 -
MANUFACTURER -
COLOR - SHERWIN WILLIAMS
FINISH - GAUNTLET GRAY - SW7019 SEMI-GLOSS

ALUMINUM STOREFRONT 1 -
MANUFACTURER - TUBELITE
COLOR - CLEAR ANODIZED

ALUMINUM STOREFRONT 2 -
MANUFACTURER - TUBELITE
COLOR - BLACK

ALUMINUM STOREFRONT 3 -
MANUFACTURER - TUBELITE
COLOR - LT. AMBER - 2K

CITY OF SOUTHAVEN - DESIGN REVIEW

12/20/2023

TOP OF THE SIPP - ENTERTAINMENT 1

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1 EAST ELEVATION

1/8" = 1'-0"

2 NORTH ELEVATION

1/8" = 1'-0"

KEYNOTE LEGEND

E1	BRICK VENEER-TYPE 1
E2	BRICK VENEER-TYPE 2
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E4	BRICK VENEER-TYPE 4
E4.1	BRICK SOLDIER-TYPE 4
E4.2	BRICK ROWLOCK OVER DOUBLE SOLDIER-TYPE 4
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E5.1	BRICK SOLDIER-TYPE 5
E5.3	BRICK ROWLOCK OVER SOLDIER-TYPE 5
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E8	FIBER CEMENT SIDING- PAINT 2
E8.1	FIBER CEMENT TRIM- PAINT 2
E10	ALUMINUM STOREFRONT 1
E11	ALUMINUM STOREFRONT 2
E13	PRE-FINISHED MTL. CANOPY - BLACK
E14	PRE-FINISHED RAILING - BLACK
E15	FUTURE BUILDING SIGNAGE - PROVIDE IN-WALL BLOCKING
E16	HARDIE TRIM ACCENT - PAINT 2
E16.1	PRE-FINISHED METAL TRIM - COLOR 1
E18	FABRIC AWNING - CHARCOAL
E21	ACM PANEL 1
E23	ACM PANEL 3

EXTERIOR MATERIALS LEGEND

BRICK VENEER 1
MANUFACTURER - BELDEN
FINISH - SMOKY GRAY
MORTAR -

BRICK VENEER 2
MANUFACTURER - CHEROKEE
FINISH - VELOUR MEDIUM GRAY
MORTAR -

BRICK VENEER 3
MANUFACTURER - CHEROKEE
FINISH - WELLSTON (T)
MORTAR -

BRICK VENEER 4
MANUFACTURER - GENERAL SHALE
FINISH - DIAMOND WHITE VELOUR
MORTAR -

BRICK VENEER 5
MANUFACTURER - COLUMBUS
FINISH - ANNADALE
MORTAR -

STONE VENEER 1 -
MANUFACTURER - ROCKCAST
FINISH - BUFFSTONE
MORTAR -

PAINT 1 -
MANUFACTURER - SHERWIN WILLIAMS
COLOR -
FINISH - SEMI-GLOSS

PAINT 2 -
MANUFACTURER - SHERWIN WILLIAMS
COLOR - GAUNTLET GRAY - SW7019
FINISH - SEMI-GLOSS

ALUMINUM STOREFRONT 1 -
MANUFACTURER - TUBELITE
COLOR - CLEAR ANODIZED

ALUMINUM STOREFRONT 2 -
MANUFACTURER - TUBELITE
COLOR - BLACK

ALUMINUM STOREFRONT 3 -
MANUFACTURER - TUBELITE
COLOR - LT. AMBER - 2K

ACM PANEL 1
MANUFACTURER - APOLIC
COLOR - TBX METALLIC SILVER STOCK

ACM PANEL 2 -
MANUFACTURER - APOLIC
COLOR - CNC CHARCOAL STOCK

ACM PANEL 3 -
MANUFACTURER - APOLIC
COLOR - PEX METALLIC PEWTER STOCK

CITY OF SOUTHAVEN - DESIGN REVIEW

12/20/2023

TOP OF THE SIP - ENTERTAINMENT 2

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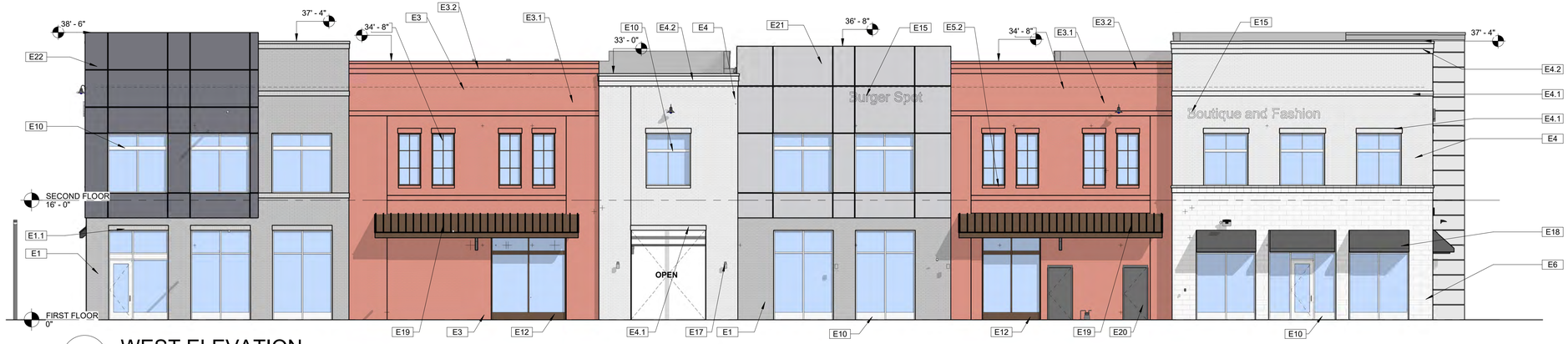

1 WEST ELEVATION

1/8" = 1'-0"

2 SOUTH ELEVATION

1/8" = 1'-0"

KEYNOTE LEGEND

E1	BRICK VENEER-TYPE 1
E1.1	BRICK SOLDIER-TYPE 1
E1.2	BRICK ROWLOCK OVER SOLDIER-TYPE 1
E2	BRICK VENEER-TYPE 2
E2.1	BRICK SOLDIER-TYPE 2
E3	BRICK VENEER-TYPE 3
E3.1	BRICK SOLDIER-TYPE 3
E3.2	BRICK ROWLOCK OVER DOUBLE SOLDIER-TYPE 3
E4	BRICK VENEER-TYPE 4
E4.1	BRICK SOLDIER-TYPE 4
E4.2	BRICK ROWLOCK OVER DOUBLE SOLDIER-TYPE 4
E5	BRICK VENEER-TYPE 5
E5.1	BRICK SOLDIER-TYPE 5
E5.2	BRICK ROWLOCK-TYPE 5
E5.3	BRICK ROWLOCK OVER SOLDIER-TYPE 5
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E10	ALUMINUM STOREFRONT 1
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E12	ALUMINUM STOREFRONT 3
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E17	LIGHT FIXTURE - REF. ELEC.
E18	FABRIC AWNING - CHARCOAL
E19	STANDING SEAM MTL. CANOPY - BRONZE
E20	HOLLOW METAL DOOR AND FRAME - PAINT 2
E21	ACM PANEL 1
E22	ACM PANEL 2

EXTERIOR MATERIALS LEGEND

BRICK VENEER 1
MANUFACTURER - BELDEN
FINISH - SMOKY GRAY
MORTAR -

BRICK VENEER 2
MANUFACTURER - CHEROKEE
FINISH - VELOUR MEDIUM GRAY
MORTAR -

BRICK VENEER 3
MANUFACTURER - CHEROKEE
FINISH - WELLSTON (T)
MORTAR -

BRICK VENEER 4
MANUFACTURER - GENERAL SHALE
FINISH - DIAMOND WHITE VELOUR
MORTAR -

BRICK VENEER 5
MANUFACTURER - COLUMBUS
FINISH - ANNADALE
MORTAR -

STONE VENEER 1 -
MANUFACTURER - ROCKCAST
FINISH - BUFFSTONE
MORTAR -

PAINT 1 -
MANUFACTURER - SHERWIN WILLIAMS
COLOR -
FINISH - SEMI-GLOSS

PAINT 2 -
MANUFACTURER - SHERWIN WILLIAMS
COLOR - GAUNTLET GRAY - SW7019
FINISH - SEMI-GLOSS

ALUMINUM STOREFRONT 1 -
MANUFACTURER - TUBELITE
COLOR - CLEAR ANODIZED

ALUMINUM STOREFRONT 2 -
MANUFACTURER - TUBELITE
COLOR - BLACK

ALUMINUM STOREFRONT 3 -
MANUFACTURER - TUBELITE
COLOR - LT. AMBER - 2K

ACM PANEL 1
MANUFACTURER - APOLIC
COLOR - TBX METALLIC SILVER STOCK

ACM PANEL 2 -
MANUFACTURER - APOLIC
COLOR - CNC CHARCOAL STOCK

ACM PANEL 3 -
MANUFACTURER - APOLIC
COLOR - PEX METALLIC PEWTER STOCK

CITY OF SOUTHAVEN - DESIGN REVIEW

12/20/2023

TOP OF THE SIP - ENTERTAINMENT 2

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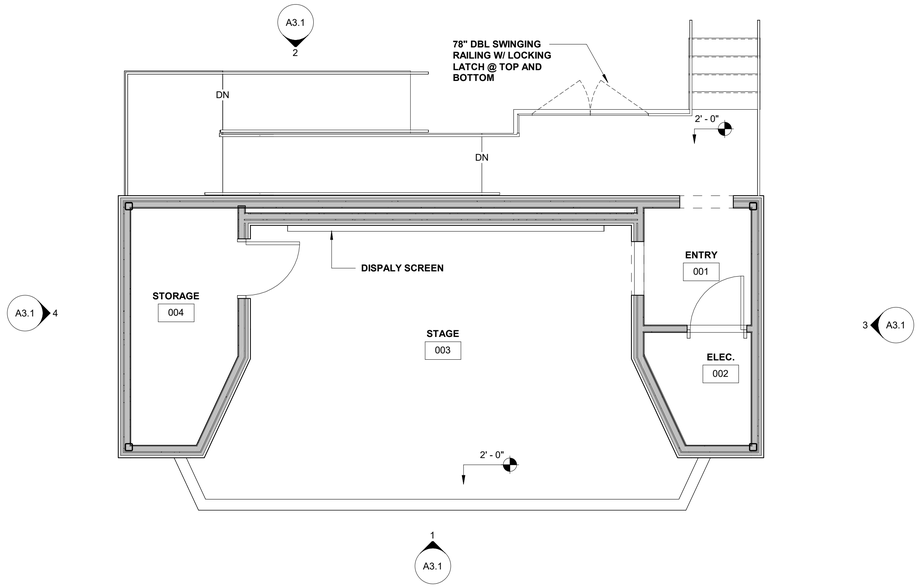
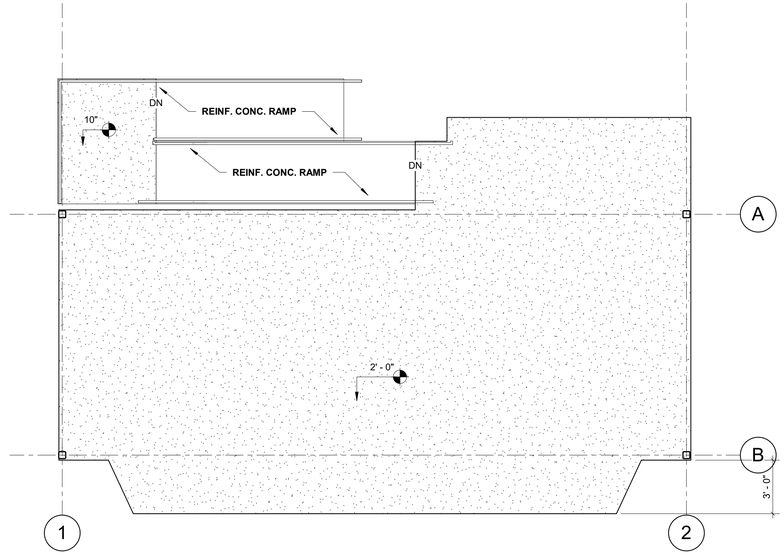


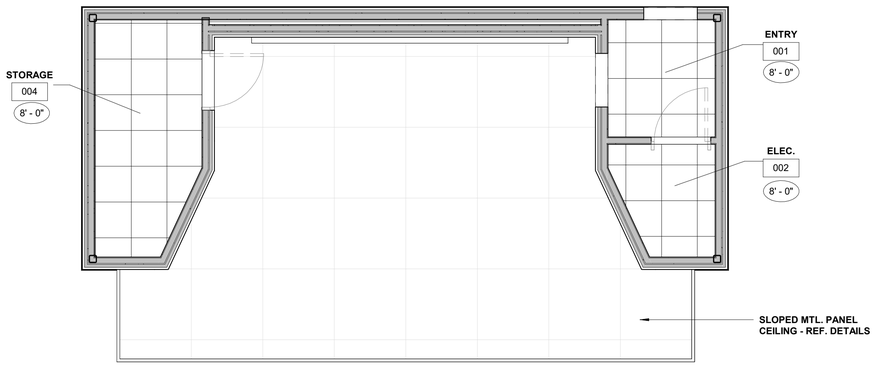
1 FLOOR PLAN - FIRST FLOOR

1/4" = 1'-0"



2 FLOOR PLAN - FIRST FLOOR

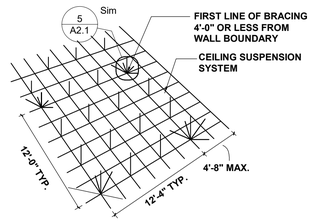
1/4" = 1'-0"



3 1. REFLECTED CEILING PLAN-FIRST FLOOR

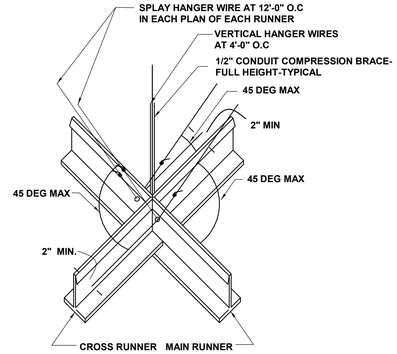
1/4" = 1'-0"

VERIFY EXACT SEISMIC REQUIREMENTS WITH CEILING GRID MANUFACTURER AND INSTALL ACCORDINGLY. PROVIDE ALL NECESSARY COMPONENTS TO MEET MFR.'S RECOMMENDATIONS AND LOCAL CODE REQUIREMENTS.



4 CEILING SUSPENSION SYSTEM

12" = 1'-0"



5 SEISMIC BRACING DETAIL

12" = 1'-0"

REFLECTED CEILING LEGEND

	GYP. BD. SUSPENDED CEILING
	LAY-IN ACOUSTICAL TILE CEILING GRID
	SUPPLY DIFFUSER
	RETURN AIR VENT
	CEILING MOUNTED HEATER
	WALL MOUNTED FIXTURE
	2x4 LIGHT FIXTURE
	RECESSED DOWNLIGHT
	THEATRICAL LIGHTING ON PIPE SUPPORTS - REF. AVL SPEC.
	4' STRIP FLOURESCENT
9' - 0"	CEILING HEIGHT RELATIVE TO FINISH FLOOR
O.T.S.	OPEN TO STRUCTURE

GENERAL NOTES

1. ALL CEILINGS ARE XX'-X" A.F.F. UNLESS NOTED OTHERWISE
2. PAINT ALL EXPOSED STRUCTURE, DECKING, PIPING, DUCTWORK, CONDUIT, ETC.
3. VERIFY CEILING HEIGHTS IN EXISTING BUILDING AND REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO ANY WORK.

FINISH SCHEDULE

ROOM #	ROOM NAME	FLOOR FINISH	BASE FINISH	WALLS FINISH	CEILING MATERIAL	REMARKS
001	ENTRY	SC	RB-01	PAINT		
002	ELEC.	SC	RB-01	PAINT		
003	STAGE	SC				
004	STORAGE	SC	RB-01	PAINT		

CITY OF SOUTHAVEN - DESIGN REVIEW

12/20/2023

TOP OF THE SIPP - STAGE

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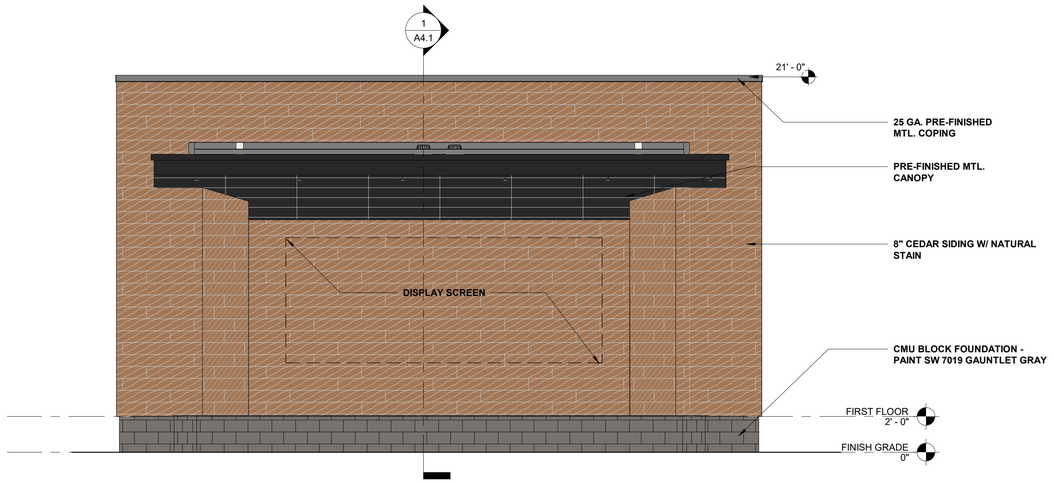
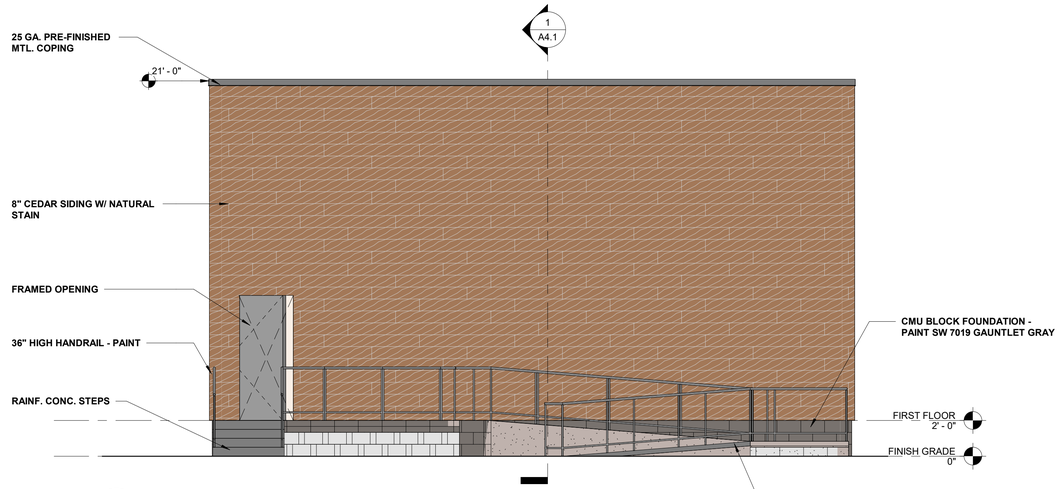
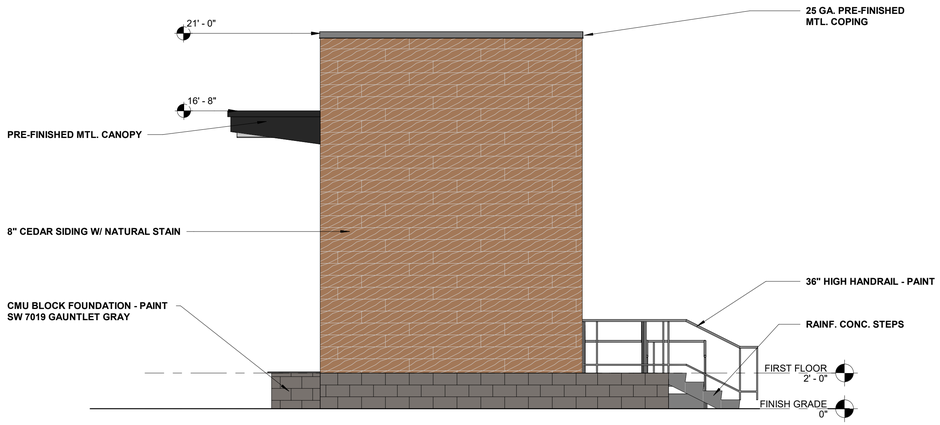


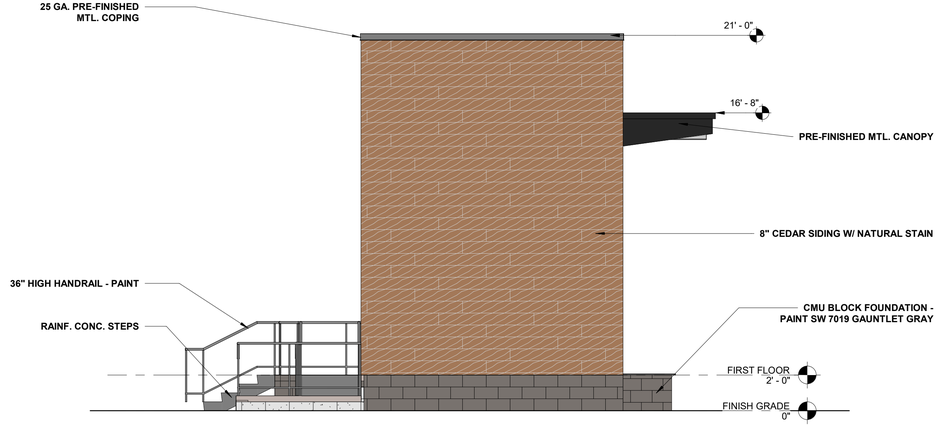
1 SOUTH ELEVATION
1/4" = 1'-0"



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



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



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

CITY OF SOUTHAVEN - DESIGN REVIEW

12/20/2023

TOP OF THE SIPP - STAGE

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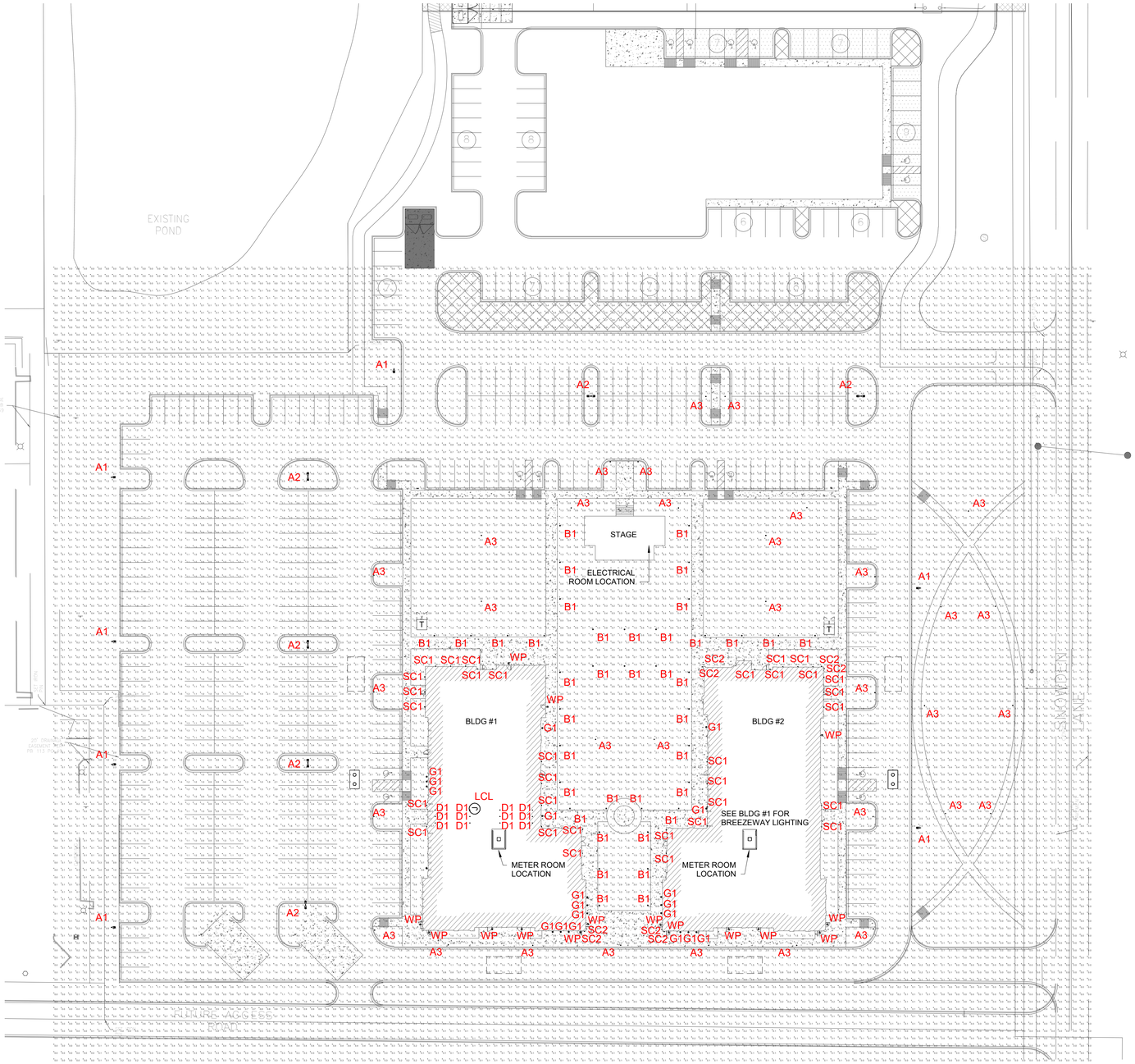


1 E0.3 **SITE PLAN - PHOTOMETRIC**
1" = 40'-0"

Renaissance Group
9700 Village Circle, ste.100
Lakeland, TN 38002
901.332.5533
fax: 901.332.5534
www.rgroup.biz

NOT FOR CONSTRUCTION

REV	DESCRIPTION	DATE

CITY OF SOUTHAVEN - DESIGN REVIEW

TOP OF THE SIPP - ENTERTAINMENT 1

Sheet Title: **SITE PLAN - PHOTOMETRIC**

Project No.: **23029**

Drawn by: **BJB**

Date: **12/20/2023**

Sheet No.: **E0.3**

CSA ENGINEERING PROJECT NO: 23561
Chad Stewart & Associates, Inc.
9720 Village Circle Lakeland, TN 38002
Phone 901-260-7850 CSAengineeringinc.com
Memphis Nashville

renaissance group

Autodesk Docs://23029 - Southaven Mixed Use - SMJ/MEP 23561 v24 - Building #1.rvt
12/20/2023 2:04:10 PM

D1

Project		Catalog #		Type	
Prepared by		Notes		Date	

HALO Commercial

HC4 | HM4 | 41/41PS

4-inch LED downlight and wall wash

Typical Applications

Office • Healthcare • Hospitality • Institutional • Mixed-Use/Retail

Interactive Menu

Product Certification

Product Features

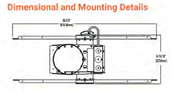
Control Compatibility

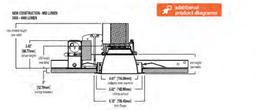
Top Product Features

- New construction/remodel series; 500 to 6,000 lumens
- Narrow, Medium and Wide distributions; Wall wash with rotatable linear spread lens
- 2700K, 3000K, 3500K, 4000K, and 5000K CCT; 80 or 90 CRI
- Universal voltage 120V-277V; Standard 0-10V driver dims to 1%
- Mounting frame converts to remodel that installs from below the ceiling
- Rapid Response emergency backup mounting frames - fast delivery option

Dimensional and Mounting Details

additional product diagrams





Mid Lumen (3000 – 4000 Lumens)

Reflector	Min. Mount Height	Uncertain	120-277V
Narrow	8.6'	1.5'	2.5'
Medium	5.7'	2.6'	3.9'
Wide	4.3'	2.4'	2.8'
Soffit	5.5'	2.4'	2.8'

COOPER Lighting Solutions

P3557711WW page 1

D1

HALO Commercial — HC4 | HM4 | 41/41PS

Mounting Frame Order Information

Sample Number: HC4200018RM7 - HM4032593O - 41MBC

A complete luminaire consists of a housing frame, LED module, and reflector (ordered separately)

1)Housing Frame	2)Lumens	3)Driver Option**	4)Factory Installed Emergency & Connected Lighting Options	5)Accessories (Order & Install Separately)
HC4 = 4" new construction downlight housing **HC4CP** = 4" new construction housing, Chicago Plenum - CCEA compliant	**05** = 500 lm **07** = 750 lm **10** = 1000 lm **15** = 1500 lm **20** = 2000 lm **25** = 2500 lm **30** = 3000 lm **35** = 3500 lm **40** = 4000 lm **45** = 4500 lm * **50** = 5000 lm * **55** = 5500 lm * **60** = 6000 lm *	**2610**=UNV 120-277V, 50/60Hz, 0-10V 1%-100% dimming at 120-277V or 0-10V controls **Canada Deluxe 500-5000 lumens:** **2610247** = 347/480 50/60Hz 0-10V 1%-100% dimming. For 500, 750, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000lm models only **	**RGM7** = 7 watt emergency battery pack with remote test / indicator light, use with 0010 only [1][2][3][4][5][6] **RGM14** = 14 watt emergency battery pack with remote test / indicator light, use with 0010 only [1][2][3][4][5][6] **RM7** = 7 watt emergency battery pack with integral test / indicator light, use with 0010 only [1][2][3][4][5][6] **RM14** = 14 watt emergency battery pack with integral test / indicator light, use with 0010 only [1][2][3][4][5][6] **RGM10** = 7.5 watt Bodine self-test emergency battery pack with remote test / indicator light, use with 5010 only [1][2][3][4] **MTR** = Factory Wired Low Temcount Sensor Kit ** **MTR** = Factory Wired Low LITE Commercial Telemount Sensor Kit ** **APW** = PowerLine PRO Wireless Node without sensor **	**HB120APK** = 4 channel flange bar, 26", pair (replacement) **HB120AWK** = Adjustable wood joist mounting bars, pair, extend to 22" long **HJ347** = 347 to 120V step down transformer, 75VA **HJ47208** = 347 to 120V step down transformer, 150VA **HJ4** = 4" Round Trim Adapter for 5" to 6" Housings **HJ5** = 5" Round Trim Adapter for 6" Housings **HJ6** = 6" Round Trim Adapter for 8" Housings
Notes	**Notes**	**Notes**	**Notes**	**Notes**
	(1) Ordered Sperate. Come in Carton of Adjacent Luminaire. Contact your Cooper Lighting Solutions rep to confirm 12 Hold-by Number. ** 0-5 Dimmers and Hood. ** 0-5	(1) Not available with CP model.	(1) Not available with UNV0241 (347v model) (2) 4hr at 90°F/C and (3) Not available with constant current kit for straight dimming, PIR motion sensing, and optional NLTD - Red Time Guardian Remote, use with 0010 only (Refer to Remote specifications) (4) Not available with 0010 constant current kit for straight dimming, PIR motion sensing, use with 2010 only (Refer to Module or CCT specifications) (5) Emergency battery backup options not Non IC-rate, and could be a nuisance during testing cycles. (6) 5W option requires compatible CAN-eMotion or Halo trim. See Trim Ordering below. (7) Not available for factory PIR occupancy mode (provides luminaire/manual control with timer and dual configuration without an integrated sensor. Contact a wholesale with daylight dimming sensor and PIR motion sensor if desired. Use with 5-10 dimmer only.	(6) MTR = Wired low tolemount sensor kit for day light dimming, PIR motion sensing, and optional NLTD - Red Time Guardian Remote, use with 0010 only (Refer to Module or CCT specifications) (7) MTW = Wired Low LITE Commercial Telemount Sensor Kit ** (Refer to Module or CCT specifications)

Rapid Response Emergency Mounting Frame Order Information

Sample Number:

Rapid Response Emergency Mounting Frame: RR-HC4200018EM7

LED module and reflector are ordered separately

(Not applicable to HM4 Models) (HM4032593O) (Reflectors) (HM4)

RR Code	Mounting Frame	Lumens	Driver Options	Factory Installed Emergency Options	Accessories (Order & Install Separately)
RR = East Region **RRW** = West Region	**HC4** = 4" new construction downlight housing	**30** = 1500 lm **35** = 2000 lm **39** = 2500 lm **38** = 3000 lm **46** = 4000 lm	**0010**=UNV 120-277V, 50/60Hz, 0-10V 1%-100% dimming at 120-277V no 0-10V controls	**RGM7** = 7 watt emergency battery pack with remote test / indicator light, use with 0010 only [1][2][3][4][5][6] **RGM14** = 14 watt emergency battery pack with remote test / indicator light, use with 0010 only [1][2][3][4][5][6] **RM7** = 7 watt emergency battery pack with integral test / indicator light, use with 0010 only [1][2][3][4][5][6] **RM14** = 14 watt emergency battery pack with integral test / indicator light, use with 0010 only [1][2][3][4][5][6]	**HB120APK** = 4 channel flange bar, 26", pair (replacement) **HB120AWK** = Adjustable wood joist mounting bars, pair, extend to 22" long
Notes	**Notes**	**Notes**	**Notes**	**Notes**	**Notes**
				(1) Not available with 0010/0011 (347v models) (2) Emergency battery backup options are Non IC-rate, and could be a nuisance during temperature 32°C to 40°C. (3) Not available for factory PIR occupancy mode (provides luminaire/manual control with timer and dual configuration without an integrated sensor. Contact a wholesale with daylight dimming sensor and PIR motion sensor if desired. Use with 5-10 dimmer only.	

COOPER Lighting Solutions

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WP

Project		Catalog #		Type	
Prepared by		Notes		Date	

Lumark

Axcent

Wall Mount Luminaire

Product Features

Interactive Menu

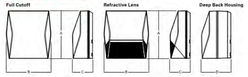
Product Certifications

Quick Facts

- Available in 14W - 123W (1,800 - 17,000 lumens) models
- Full cutoff and refractive lens models available
- Energy and maintenance savings up to 95% compared to HID
- Energy efficient illumination results in up to 144 LPW
- Replaces 70W up to 450W HID equivalents

Dimensional Details

Full Cutoff | Refractive Lens | Deep Bank Housing



Dimensional Data

	AXCS (small	AXCL (large
A	4" [102mm]	11-1/2" [292mm]
B	7-1/2" [190mm]	10-3/4" [273mm]
C	3-5/8" [94mm]	4-7/8" [124mm]
D	6-1/4" [159mm]	7-1/8" [181mm]

Connected Systems

- WaveLinx Lite
- Enlighted

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WP

Lumark — AXCS / AXCL Axcent

Ordering Information

SAMPLE NUMBER: **AXCS1A-AP-347V**

Commonly Preferences *	Model Series	LED (Color Temperature	Color	Options (Add as Suffix)
[blank]=Standard **BAA**=Buy American Act **TAA**=Trade Agreements Act	**Full Cutoff** **AXCS1A**=1100 **AXCS2A**=2100 **AXCS3A**=2700 **AXCS4A**=3700 **AXCS5A**=5000 **AXCL1A**=1100 **AXCL2A**=2100 **AXCL3A**=2700 **AXCL4A**=3700 **AXCL5A**=5000 **Refractive Lens** **AXCS1ARL**=1100 **AXCS2ARL**=2100 **AXCS3ARL**=2700 **AXCS4ARL**=3700 **AXCS5ARL**=5000 **AXCL1ARL**=1100 **AXCL2ARL**=2100 **AXCL3ARL**=2700 **AXCL4ARL**=3700 **AXCL5ARL**=5000	**[blank]**=4000K, Neutral **5**=5000K, Cool **W**=3000K, Warm	**[blank]**=Carbon Bronze Standard-duty **WT**=Summit White **BK**=Black **AP**=Gray **DM**=Graphite Metallic **DP**=Dark Pantheon	**347V**=347V **480V**=480V **PC1**=Photocontrol 120-277V **PC2**=Photocontrol 208-240V **PC3**=Photocontrol 347-480V **EXIT**=Emergency Battery Pack **EXIT**=Double Flood light Mount **TRIM07**=Trimless Flood light Mount **SPA1**=Square Pole Tenon Adapter to 1 @ Mounting Height **RPA1**=Round Pole Tenon Adapter to 1 @ Mounting Height **SPA2**=Square Pole Tenon Adapter to 2 @ 180° Mounting Height **RPA2**=Round Pole Tenon Adapter to 2 @ 180° Mounting Height **SPA3**=Square Pole Tenon Adapter to 3 @ 90° Mounting Height **RPA3**=Round Pole Tenon Adapter to 3 @ 90° Mounting Height **SPA4**=Square Pole Tenon Adapter to 4 @ 90° Mounting Height **RPA4**=Round Pole Tenon Adapter to 4 @ 90° Mounting Height **AWS1**=Wall Mount Swivel Arm Adapter **AWS2**=Wall Mount Swivel Arm Adapter **AWS3**=Wall Mount Swivel Arm Adapter **AWS4**=Wall Mount Swivel Arm Adapter

Accessories (Order Separately) [6][7]

VLSAXCS-RT=Parallel Blend Asymmetrical Small [7][8]
VLSAXCS-WD=Parallel Blend Asymmetrical Small (With Motion Sensor) [7][9]
WLSAXCS-RT=Wide Blend Asymmetrical Small [7][8]
WLSAXCS-WD=Wide Guard Asymmetrical Small (With Motion Sensor) [7]
VLSAXCL-RT=Parallel Blend Asymmetrical Large [7][8]
VLSAXCL-WD=Parallel Blend Asymmetrical Large (With Motion Sensor) [7][9]
WLSAXCL-RT=Wide Guard Asymmetrical Large [7][8]
WLSAXCL-WD=Wide Guard Asymmetrical Large (With Motion Sensor) [7]
BBAXCS-RT=Parallel Blend Asymmetrical Small Back Box [8]
BBAXCS-WD=Parallel Blend Asymmetrical Small Back Box with PIR Sensor [9]
BBAXCL-RT=Parallel Blend Asymmetrical Large Back Box [8]
BBAXC-WT-PC=Parallel Lumen Select Back Box with PC, Summit White [8,9]

RAXTAXCS-RT=Rhombic and Visor Floodlight Kit (For Axcent Small) [7]
SPATAXCS-RT=Spotlight Floodlight Kit (For Axcent Small) [7]
RAXTAXCL-RT=Rhombic and Visor Floodlight Kit (For Axcent Large) [7]
TRIMXT-RT=Trimless Floodlight Kit (For Axcent Large) [7]
PMATAXCL-RT=Spotlight Floodlight Kit (For Axcent Large) [7]
SWPA-RT=Swivel Arm Adapter [7]
GWM-RT=Integrated Sensor Programming Remote [9]
MA1035-RT=Square Pole Adapter for 3 @ 90° [7, 8]
MA1035-RT=Square Pole Adapter for 4 @ 90° [7, 8]
MA1035-RT=Square Pole Adapter for 2 @ 180° [7, 8]
DMPA3-RT=Round Pole Adapter for 3 @ 90° [7, 8]
DMPA4-RT=Round Pole Adapter for 4 @ 90° [7, 8]
DMPA2-RT=Round Pole Adapter for 2 @ 180° [7, 8]
AWS1-RT=Wall Arm Wireless Sensor, 7' – 10' Mounting Height [9, 11]
AWS2-RT=Wall Arm Wireless Sensor, 11' – 40' Mounting Height [9, 11]
AWS3-RT=Wall Arm Wireless Sensor, 7' – 10' Mounting Height [9, 11]
AWS4-RT=Wall Arm Wireless Sensor, 11' – 40' Mounting Height [9, 11]

NOTES:
1. Dodge/Lightolier Concentric® Dualshield. Refer to www.designlights.org Qualified Products List under Family Models for details.
2. Transition not seen by lenses or shield with incision reducer or AXCES through AXCES5 or AXCL4 fixture only.
3. Not available in 347 or 480 VAC.
4. Button photocontrol and anti-motion sensor (MSP, ZSI, or LMR) sold offered (option).
5. Only available on AXCS & AXCL1 models.
6. Must be ordered with fixture for factory installation.
7. Only available on AXCS & AXCL models.
8. This configuration may contain materials that are not RoHS compliant. Contact your lighting representative for more information.
9. Uses Gang hack housing.
10. Wireless Sensor Range (SYR) may be overly sensitive when operating below -30°C (-4 °F). For the device to be field-configurable, requires MAX Gateway components MAG-PnE and MPDG-103 in appropriate quantities. Only compatible with WaveLinx system and software and requires system commissioning by a factory certified technician. Available for more Wireless application information.
11. Replace AP with desired color (WH, BZ, or BK).
12. Enlighted wireless sensors are factory installed and require network components (APP-SW-1, LWP-GW-1, and LWP-PoE-1) in appropriate quantities. See website for applications information.
13. The EM90-01 accessory is required to adjust parameters.
14. Operating temperature -30°C to 40°C (-22°F to 104°F). Minimum AXCS7/8, Ambient operating temperature -30°C to 50°C in AXCS4 models. Ambient operating temperature -20°C to 40°C in AXCS7, through AXCS5 models.
15. Not available with A1035 or A1072 models.
16. Uses (two) back housing for AXCS1, AXCL1E, AXCS2, and AXCS4 models.
17. Not to be mounted in upwards / inverted orientation. Downright not mount only for AXCS1 through AXCS3.
18. Use CLEAR Lumens to count with PIR and motion sensor (MSP, ZSI, or LMR). ESP can be used with PC or motion sensor (MSP, ZSI, or LMR).
19. Can not be ordered with CSP or PC options.
20. Use dedicated #10 hex (no-pin) wrench available for lumen values and shortcodes.
21. Use with PMAT-RT, PMAT-WT, or PC2 outline photocontrol. See AMA Visors Slim supplemental guide for additional information.
22. Replace XX with color designation.
23. For use with full cutoff lens configurations only.
24. Lumen Select functionality not available in conjunction with any motion sensor option (MSP, ZSI, or LMR). Photocontrol back box not available with any motion sensor or motion sensor options (PC, MSP, ZSI, or LMR).
25. Photocell only operates at 120-277V input voltages. Not for use with 347 or 480V systems.
26. Not for use with emergency battery backup options. Contact your lighting representative for more information.
27. Requires 4 PIN (wireless) multipole (2W) cordset.
28. Only product combinations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to www.designlights.org/QPL for a complete listing of compliant products. Luminaires procured separately may be separately analyzed under domestic preference requirements.
29. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.

Stock Ordering Information

Model Series *			
Full Cutoff		Refractive Lens	
AXCS1A=1100	**AXCL1A**=1100	**AXCS1ARL**=1100	**AXCL1EARL**=1100
AXCS2A=2100	**AXCL2A**=2100	**AXCS2ARL**=2100	**AXCL1AARL**=2100
AXCS3A=2700	**AXCL4A-347V**=3000	**AXCS3ARL**=2700	**AXCL4ARL-347V**=5000
AXCS4A=4000	**AXCL5A-347V**=7200	**AXCS4ARL**=4000	**AXCL5ARL-347V**=7200
AXCS5A=5200	**AXCL10A-347V**=10200	**AXCS5ARL**=5200	**AXCL10ARL-347V**=10200
AXCL4A=5000	**AXCL12A-347V**=11700	**AXCL4ARL**=5000	**AXCL12ARL-347V**=11270
AXCL5A=7200		**AXCL5ARL**=7200	

Note: All stock configurations are 4000K color temperature, standard Clamp/Bracket finish, and wall-mount configurations.

COOPER Lighting Solutions

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USM-10693

Smith Bollard

B1

LIGMAN LIGHTING USA

25" Lens 33w

12" Lens 18w

33w LED 1644 Lumens | 18w LED 790 Lumens
IP65 - Suitable For Wet Locations
IK08 - Impact Resistant (Vandal Resistant)
Weight 17.4 lbs

Mounting Detail

Standard Internal Waterproof Driver Housing

Construction

Aluminum
A 356.0 T6 copper content - Marine Grade 6060 extruded & CNC-Aluminum High Pressure die casting provides excellent mechanical strength., clean detailed product lines and excellent heat dissipation.

Pre-paint
A two step prime and phosphate process that includes cleaning and etching as well as a zinc and nickel phosphate process before product painting.

Masonry Retrofitting - Silicon Gasket
Silicon gasket is manufactured to withstand 75 for purpose" long life high temperature memory resistive silicon gaskets. Maintains the gaskets exact profile and seal over years of use and compression.

Thermal management
Cast aluminum housing for its excellent mechanical strength and thermal dissipation properties in low and high ambient temperatures. The superior thermal heat sink design by LIGMAN maximizes the surface area to promote optimal thermals below critical temperature range to ensure maximum luminous flux output, as well as providing long LED service life maintaining less than 10% lumen depreciation at 36,000 hours.

Surge Suppression
Standard 10kv surge suppressor provided with all fixtures.

BUG Rating
B1 - LO - G2

Finishing
All Ligman products go through an extensive finishing process that includes testing to improve paint adherence.

Paint
UV Stabilized 4.5Mil thick powder coat paint and baked at 200 degrees. Our paint exceeds AAMA 2604 standards for mild-humid humid environments. Rated for use in natural terrains.

Approved by Natural Finishes
The Approved by Nature' Finishing is a unique system of decorative powder coating. Our metal decoration process can simulate the natural appearance of metal or aluminum anodized, into a wood grain finish.

This patented technology enables the simulation of wood grain, and even realize a grainy finish through the use of decorative powder coating.

The wood grain finish is so realistic that it's almost undistinguishable from real wood, even from a close visual examination. The finish is durable, and resistant to the elements of the cost and as a result, the coating cannot be removed by normal rubbing, chipping, or scratching.

The Coating Process
After pre-treatment the prepared parts are powder coated with a TGIC polyester powder coating system. The powder provides protection against heat, abrasion, impact and corrosion and acts as the relief base color for the finished metal decoration.

The components is then wrapped with a sheet of non-porous film with the selected decoration pattern printed on it using heat transfer technology.

The pattern film transfer is vacuum-sealed to the surface for a complete seamless grain, and then carefully and evenly subjected to heat. The heat transforms the ink into different forms within the paint layer before it becomes solid. Finally, the film is removed, and a vivid timber look on aluminum remains.

Wood grain coating can create beautiful and endearing artefacts of any sort. There are over 500 combinations of designs and colors. Any of these grains can be made with different colors, designs, etc.

Our powder coatings are certified for indoor and outdoor applications and are backed by a comprehensive warranty. These coatings rise to the highest, commercial standard of performance excellence and design innovations.

Added Benefits
• Ideal for indoor and wet rooms, accelerated aging
• Boiling water, lime and condensed water resistant
• Anti-Graffiti, Anti-Slip, Anti-Microbial, Anti-Scratch
• Resistant to most chemicals
• 1500 Tree (non-toxic)

Hardware
Provided Hardware is Marine grade 316 Stainless steel.

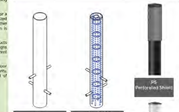
Anti-Spore Screw Holes
Tapped holes are infused with a special anti-seize compound designed to prevent seizure of threaded connections, due to electrolysis from heat, corrosive atmospheres and moisture.

High Impact Acrylic Lens
Precise optic design provides exceptional light control and precise distribution of light.
LED CRI > 80

Optics & LED
Precise optic design provides exceptional light control and precise distribution of light.
LED CRI > 80

Lumen - Maintenance Life
Rated for 36,000 hours (L70), means that at least 90% of the LED will achieve 85% of their original flux.

Additional Options (Consult Factory For Pricing)



M20W Security Bollard

A12GR+ Ax 4'x Rapid Security Bollard

A5WR Lockable GFCI Box (Bollard Height 60")

PS Perforated Shield

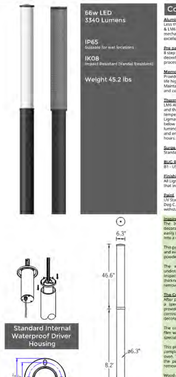
Decapping Tamper

USM-21121

Smith Light Column

A3

LIGMAN LIGHTING USA



56w LED 3340 Lumens

IP65
Resistant for wet locations

IK08
Impact Resistant (Vandal Resistant)

Weight 45.2 lbs

Standard Internal Waterproof Driver Housing

Mounting Detail

Construction

Aluminum
A 356.0 T6 copper content - Marine Grade 6060 extruded & CNC-Aluminum High Pressure die casting provides excellent mechanical strength., clean detailed product lines and excellent heat dissipation.

Pre-paint
A two step prime and phosphate process that includes cleaning and etching as well as a zinc and nickel phosphate process before product painting.

Masonry Retrofitting - Silicon Gasket
Silicon gasket is manufactured to withstand 75 for purpose" long life high temperature memory resistive silicon gaskets. Maintains the gaskets exact profile and seal over years of use and compression.

Thermal management
Cast aluminum housing for its excellent mechanical strength and thermal dissipation properties in low and high ambient temperatures. The superior thermal heat sink design by LIGMAN maximizes the surface area to promote optimal thermals below critical temperature range to ensure maximum luminous flux output, as well as providing long LED service life maintaining less than 10% lumen depreciation at 36,000 hours.

Surge Suppression
Standard 10kv surge suppressor provided with all fixtures.

BUG Rating
B1 - LO - G2

Finishing
All Ligman products go through an extensive finishing process that includes testing to improve paint adherence.

Paint
UV Stabilized 4.5Mil thick powder coat paint and baked at 200 degrees. Our paint exceeds AAMA 2604 standards for mild-humid humid environments. Rated for use in natural terrains.

Approved by Natural Finishes
The Approved by Nature' Finishing is a unique system of decorative powder coating. Our metal decoration process can simulate the natural appearance of metal or aluminum anodized, into a wood grain finish.

This patented technology enables the simulation of wood grain, and even realize a grainy finish through the use of decorative powder coating.

The wood grain finish is so realistic that it's almost undistinguishable from real wood, even from a close visual examination. The finish is durable, and resistant to the elements of the cost and as a result, the coating cannot be removed by normal rubbing, chipping, or scratching.

The Coating Process
After pre-treatment the prepared parts are powder coated with a TGIC polyester powder coating system. The powder provides protection against heat, abrasion, impact and corrosion and acts as the relief base color for the finished metal decoration.

The components is then wrapped with a sheet of non-porous film with the selected decoration pattern printed on it using heat transfer technology.

The pattern film transfer is vacuum-sealed to the surface for a complete seamless grain, and then carefully and evenly subjected to heat. The heat transforms the ink into different forms within the paint layer before it becomes solid. Finally, the film is removed, and a vivid timber look on aluminum remains.

Wood grain coating can create beautiful and endearing artefacts of any sort. There are over 500 combinations of designs and colors. Any of these grains can be made with different colors, designs, etc.

Our powder coatings are certified for indoor and outdoor applications and are backed by a comprehensive warranty. These coatings rise to the highest, commercial standard of performance excellence and design innovations.

Added Benefits
• Ideal for indoor and wet rooms, accelerated aging
• Boiling water, lime and condensed water resistant
• Anti-Graffiti, Anti-Slip, Anti-Microbial, Anti-Scratch
• Resistant to most chemicals
• 1500 Tree (non-toxic)

Hardware
Provided Hardware is Marine grade 316 Stainless steel.

Anti-Spore Screw Holes
Tapped holes are infused with a special anti-seize compound designed to prevent seizure of threaded connections, due to electrolysis from heat, corrosive atmospheres and moisture.

High Impact Acrylic Lens
Precise optic design, made of high impact, Naturally UV Stabilized Vorotron Mikiher Acrylic.

Optics & LED
Precise optic design provides exceptional light control and precise distribution of light.
LED CRI > 80

Lumen - Maintenance Life
Rated for 36,000 hours (L70), means that at least 90% of the LED will achieve 85% of their original flux.

Straight and clean round column.
Smooth lines complimented with a smooth lighting effect from the opal vertical diffuser.

Smith is an elegant sturdy light column that is suitable for both modern and classic architecture. Ideal for creating visual guidance with exceptional visual comfort. A sleek and minimalist shape provides distinctive lighting effects by night and decorative urban effect during the day. Suitable for pedestrian precincts, building surrounds, shopping centers, squares and parks. The luminaire is provided with a ultra high impact UV stabilized acrylic lens that provides excellent low glare vertical and illumination.

The Smith Column comes standard with a unique waterproof internal driver housing compartment that is situated at the top of the pole to stop water and dust from entering the electrical components. This fixture is supplied completely wired with powercord and water-proof gland from the driver enclosure to the handhole to ensure quick trouble-free installation. Custom bollard heights are available, please specify.

Color temperature 2700K, 3000K, 3500K and 4000K.
Custom wattages can be provided to suit customer and Title 24 requirements. (Specify total watts per fixture)

Security Bollard: (12" Lens Only)
This Bollard is available as a traffic rated security bollard. This optional design includes a 1/4" wall thickness galvanized steel body painted with 2 1/2" galvanized cross support rods that are embedded into concrete.

The standard security bollard provides restraint of vehicular traffic in unauthorized areas.
Impact calculations shows this bollard will stop a 5,500lb/2.75 tons vehicle, travelling at 30mph.
For additional strength, the galvanized pole must be filled with concrete up to the waterproof driver housing to provide a solid concrete barrier.

A K4 rated security bollard is also available. This bollard is provided with internal roof reinforcement and is to be filled with concrete at the job site by others. This bollard will stop a 15,000lb vehicle traveling at 30mph.

Straight and clean round bollard.
Smooth lines complimented with a smooth lighting effect from the opal vertical diffuser.

Smith is an elegant bollard that is suitable for both modern and classic architecture. Ideal for creating visual guidance with exceptional visual comfort. A sleek and minimalist shape provides distinctive lighting effects by night and decorative urban effect during the day. Suitable for pedestrian precincts, building surrounds, shopping centers, squares and parks. The luminaire is provided with a ultra high impact UV stabilized acrylic lens that provides excellent low glare vertical and illumination.

The Smith Bollard comes standard with a unique waterproof internal driver housing compartment that is situated at the top of the pole to stop water and dust from entering the electrical components. This fixture is supplied completely wired with powercord and water-proof gland from the driver enclosure to the base of the bollard ensuring quick trouble-free installation. Custom bollard heights are available, please specify.

Color temperature 2700K, 3000K, 3500K and 4000K.
Custom wattages can be provided to suit customer and Title 24 requirements. (Specify total watts per fixture)

Security Bollard: (12" Lens Only)
This Bollard is available as a traffic rated security bollard. This optional design includes a 1/4" wall thickness galvanized steel body painted with 2 1/2" galvanized cross support rods that are embedded into concrete.

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A K4 rated security bollard is also available. This bollard is provided with internal roof reinforcement and is to be filled with concrete at the job site by others. This bollard will stop a 15,000lb vehicle traveling at 30mph.

Additional Options (Consult Factory For Pricing)

M20W Security Bollard

A12GR+ Ax 4'x Rapid Security Bollard

A5WR Lockable GFCI Box (Bollard Height 60")

PS Perforated Shield

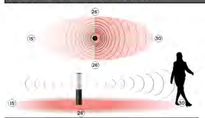
Decapping Tamper

PROJECT | DATE

QUANTITY | TYPE | NOTE

ORDERING EXAMPLE || USM - 10693 - 33w - W30 - 02 - 120/277v - Options

OCCUPANCY SENSOR OPTION



OCC1
SINGLE OCCUPANCY SENSOR DETECTION RANGE
[UNIVERSAL LEFT OR RIGHT DETECTION]

* The integrated, smart occupancy sensor can be programmed on site to function in a variety of ways.
Example: Simple on-off mode || DIM -> full light output on detection -> DIM | Off -> full bright on detection -> DIM for a set time with no detection! -> off | DIM -> full bright on detection ->DIM

USM-10693	LAMP	LED COLOR	FINISH COLOR	VOLTAGE
	33w LED for 25" Lens 1644 Lumens 18w LED for 12" Lens 760 Lumens	W27 - 2700K W30 - 3000K W35 - 3500K W40 - 4000K	01 - BLACK RAL 9011 02 - DARK GREY RAL 7043 03 - WHITE RAL 9003 04 - METALLIC SILVER RAL 9006 05 - MATTE SILVER RAL 9006 06 - LIGMAN BRONZE 07 - CUSTOM RAL	120/277v Other - Specify

ADDITIONAL OPTIONS		
NAT – Natatorium Rated	PS - Perforated Shield	
DIM – 0-10v Dimming	UL - UnitL Bollard	
MGT – Custom Bollard Height (Specify HGT+IDX*)	GFCI - GFCI Box	
A12001 – Security Bollard (12" Lens Only)	OCC1 - Single Occupancy Sensor	
A12001R+K – Rated Security Bollard (12" Lens Only)	AN281 – Remote Controller for Motion Sensor	
A5WGFI – Lockable GFCI Box (Bollard Height 60")		

INSPIRED BY NATURE FINISHES
SW01 - OAK FINISH
SW02 - WALNUT FINISH
SW03- PINE FINISH
DF - DOUGLAS FIR FINISH
CW - CHERRY WOOD FINISH
NW - NATIONAL WALNUT FINISH
SU01 – CONCRETE FINISH
SU02 - SOFTSCAPE FINISH
SU03 - STONE FINISH
SU04 - CORTEN FINISH

THERE IS AN ADDITIONAL COST FOR THESE FINISHES

* Upward Lighting (UL) Example: If height is 12' (range) Specify pole size and required heavy, please contact Factory for Detailed Information. Due to the continual improvements in LED technology specs and components may change without notice.

PROJECT | DATE

QUANTITY | TYPE | NOTE

ORDERING EXAMPLE || USM - 21121 - 66w - W30 - 02 - 120/277v - Options

USM-21121	LAMP	LED COLOR	FINISH COLOR	VOLTAGE
	66w LED 3340 Lumens	W27 - 2700K W30 - 3000K W35 - 3500K W40 - 4000K	01 - BLACK RAL 9011 02 - DARK GREY RAL 7043 03 - WHITE RAL 9003 04 - METALLIC SILVER RAL 9006 05 - MATTE SILVER RAL 9006 06 - LIGMAN BRONZE 07 - CUSTOM RAL	120/277v Other - Specify

ADDITIONAL OPTIONS		
NAT – Natatorium Rated	A20081 – Root Mount Kit	
DIM – 0-10v Dimming	A20131 – Perforated Shield	
HCT – Custom Height (Specify)	GFCI - GFCI Box	
REMG – Remote Emergency Inverter		

INSPIRED BY NATURE FINISHES
SW01 - OAK FINISH
SW02 - WALNUT FINISH
SW03- PINE FINISH
DF - DOUGLAS FIR FINISH
CW - CHERRY WOOD FINISH
NW - NATIONAL WALNUT FINISH
SU01 – CONCRETE FINISH
SU02 - SOFTSCAPE FINISH
SU03 - STONE FINISH
SU04 - CORTEN FINISH

THERE IS AN ADDITIONAL COST FOR THESE FINISHES

More Custom Finishes Available Upon Request

Consult factory for pricing and lead times

Example: Inspired by Nature Finish

* Upward Lighting (UL) Example: If height is 12' (range) Specify pole size and required heavy, please contact Factory for Detailed Information. Due to the continual improvements in LED technology specs and components may change without notice.

Renaissance Group
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Lakeland, TN 38002
901.332.5533
fax: 901.332.5534
www.rgroup.biz

NOT FOR CONSTRUCTION

REV	DESCRIPTION	DATE

CITY OF SOUTHAVEN - DESIGN REVIEW

TOP OF THE SIPP - ENTERTAINMENT 1

Sheet Title
EXTERIOR FIXTURE CUTSHEETS

Project No.
23029

Drawn by
Author

Date
12/20/2023

Sheet No.
E0.4

CSA ENGINEERING PROJECT NO: 23561
Chad Stewart & Associates, Inc.
9720 Village Circle Lakeland, TN 38002
Phone 901-260-7850 CSAengineeringinc.com
Memphis Nashville

Autodesk Docs://23029 - Southaven Mixed Use - SMJ/MEP 23561 v24 - Building #1.rvt
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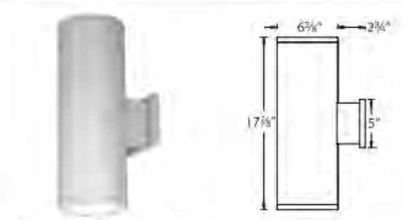
SC2

TUBE ARCHITECTURAL DS-WD06

WAC LIGHTING

LED Wall Mounts



Fixture Type:

Catalog Number:

Project:

Location:

PRODUCT DESCRIPTION

The latest energy efficient LED technology in an appealing cylindrical profile delivers accent and wall wash lighting. Comes in various light distribution and beam angle options.

FEATURES

- High performance exterior rated LED wall mount light
- Fixture can install upside down to alter light distribution
- Solid aluminum construction
- 5 year warranty

SPECIFICATIONS

Input: Universal voltage 120V - 277VAC, 50/60Hz
Dimming: Electronic low voltage (ELV) : 100% - 5%; 0-10V: 100% - 1%
Light Source: High output 3 Step Mac Adam Ellipse COB; Rated life of 60,000 hours at L70
Finish: Electrostatically powder coated, white, black, bronze and graphite
Standards: IP65 rated, ETL & cETL wet location listed; Title 24 JA8-2016 Compliant
Operating Temp: -13°F to 122°F (-25°C to 50°C)

ORDERING NUMBER

Diameter	Watt	Beam	Beam Angle	Color Temp		CRI	Reference Output[1] Lumen	CBCP	Efficacy (lm/w)	Light Distribution	Finish
DS-WD06 6" 35W x 2		S Straight up and down	16°	927S	2700K	90	2820 x 2	18842 x 2	81 x 2		BK Black
				27S	2700K	85	3385 x 2	22608 x 2	97 x 2		WT White
				930S	3000K	90	2925 x 2	19543 x 2	84 x 2		BZ Bronze
				30S	3000K	85	3535 x 2	23632 x 2	101 x 2		GH Graphite
				35S	3500K	85	3630 x 2	24255 x 2	104 x 2		
				40S	4000K	85	3665 x 2	24490 x 2	105 x 2		
		N Straight up and down	28°	927S	2700K	90	2800 x 2	7992 x 2	80 x 2		
				27S	2700K	85	3360 x 2	9589 x 2	96 x 2		
				930S	3000K	90	2900 x 2	8290 x 2	83 x 2		
				30S	3000K	85	3510 x 2	10024 x 2	100 x 2		
				35S	3500K	85	3600 x 2	10288 x 2	103 x 2		
				40S	4000K	85	3635 x 2	10388 x 2	104 x 2		
		F Straight up and down	38°	927S	2700K	90	2825 x 2	5451 x 2	81 x 2		
				27S	2700K	85	3390 x 2	6540 x 2	97 x 2		
				930S	3000K	90	2930 x 2	5654 x 2	84 x 2		
				30S	3000K	85	3545 x 2	6836 x 2	101 x 2		
				35S	3500K	85	3640 x 2	7017 x 2	104 x 2		
				40S	4000K	85	3675 x 2	7085 x 2	105 x 2		
DS-WD0644 6" 22W x 2		F Away from the wall	N/A	927A	2700K	90	2860 x 2	N/A	82 x 2		
				27A	2700K	85	3435 x 2		98 x 2		
				930A	3000K	90	2970 x 2		85 x 2		
				30A	3000K	85	3590 x 2		103 x 2		
				35A	3500K	85	3685 x 2		105 x 2		
				40A	4000K	85	3720 x 2		106 x 2		
		F Towards the wall	N/A	927B	2700K	90	2860 x 2	N/A	82 x 2		
				27B	2700K	85	3435 x 2		98 x 2		
				930B	3000K	90	2970 x 2		85 x 2		
				30B	3000K	85	3590 x 2		103 x 2		
				35B	3500K	85	3685 x 2		105 x 2		
				40B	4000K	85	3720 x 2		106 x 2		
		F One side each	N/A	927C	2700K	90	2860 x 2	N/A	82 x 2	One side away from wall, one side towards the wall	
				27C	2700K	85	3435 x 2		98 x 2		
				930C	3000K	90	2970 x 2		85 x 2		
				30C	3000K	85	3590 x 2		103 x 2		
				35C	3500K	85	3685 x 2		105 x 2		
				40C	4000K	85	3720 x 2		106 x 2		

DS-WD06-_______-____ Example: **DS-WD06-F930A-WT** [1]Reference output shows 35W output. Multiply by 0.7 to determine output for 22W combinations.

waclighting.com Phone (800) 526.2588 Fax (800) 526.2585 | **Headquarters/Eastern Distribution Center** 44 Harbor Park Drive Port Washington, NY 11050 | **Central Distribution Center** 1600 Distribution Ct Lithia Springs, GA 30122 | **Western Distribution Center** 1750 Archibald Avenue Ontario, CA 91760

WAC Lighting retains the right to modify the design of our products at any time as part of the company's continuous improvement program. SEPT 2019

G1

RLM CLASSICS — EMBLEM SIGN

DAMP / WET LOCATION

SIGN LIGHTS

PROJECT:
QUANTITY: TYPE:

EB1214GV MB - Matte Black

EB1214GV AZ - Anodic Bronze | EB1214GV PT - Platinum Silver | EB1214GV RD - Red Baron

SERIES	LUMENS[1]	CCT	DRIVER / DIMMING[2]	ACCESSORIES[4]	MOUNTING[7]	FINISH[11]	WET KIT
EB0709GV, EB0910GV, EB1214GV	15L 1500 Lm; 27L 2700 Lm	80 CRI: 27K 2700K, 30K 3000K, 35K 3500K, 40K 4000K; 90 CRI: 27HK 2700K, 30HK 3000K, 35HK 3500K, 40HK 4000K	EX Electronic Driver, 120V/277V; DO10X 1%, 0-10V, 120V/277V; DS2W1 ELV/MLV, 120V; DLTE1 Lutron® 2-Wire Forward Phase (MLV), 120V; DL3EX 1%, Lutron® EcoSystem®, Fades to Black, 120V/277V	ENCLOSURES: TF1 3" Frosted Dome; TG1 3" Dome Wire Guard; MF1 3" Frosted Mini; MG1 3" Short Wire Guard; FJ1 3" Frosted Tall; FG1 3" Tall Wire Guard	WALL MOUNT: CP104 Small Driver Canopy; CP104KO Small Driver Canopy w/ Knockouts; CP106 Large Driver Canopy; CP6/RMD Remote Mount Driver; SP90_ Straight Arm; PA_ Mounting Arm Style. CEILING MOUNT: RDC5 Small Driver Canopy; CP13 Large Driver Canopy; HM_ Hang Straight; AT_ Hang Straight All Thread; PM_ Rigid Pendant Mount; EMCR 10W Large Driver Canopy EM; EMRM 7W Remote EM; EMEN 7W Remote with Enclosure	MW Matte White; MB Matte Black; PT Platinum Silver; CC Custom Color. See Page 5 for Full Range of Color Options (83-90083)	WLKA Wet Location Kit

EXAMPLE: EB1214GV15L35KEXTF1/CP104PA36BL

NOTES: 1 Nominal Source Lumens at 35K 2 Contact Factory for Additional Options 3 Available with CP106/CP13 Only 4 Enclosure, Wire Guard Required - Choose One Option 5 Standard Enclosure 6 TG1 Not Available With EB0709 7 See Mounting Page for Details on Components and Finishes 8 See Mounting Page for Available Arm Options 9 Specify Length in Inches. See Mounting Page for Available Lengths 10 EMCR Replaces RDC5 or CP13 11 See Color Page for More Options/Consult Factory for Special Finishes 12 Standard Finishes

Spectrum Lighting

SPECLIGHT.COM · 994 JEFFERSON ST FALL RIVER, MA 02721 · 508.678.2303 ILLUMINATING WHAT'S POSSIBLE.

Dimensions and values shown are nominal. Spectrum Lighting continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products. 83-50002_RG

A1 & A2

Project		Catalog #		Type	
Prepared by		Notes		Date	

McGraw-Edison

GALN Galleon II

Area / Site Luminaire

Product Features

Light ARchitect™ · BAA

Interactive Menu

- Ordering Information page 2
- Mounting Details page 3
- Optical Distributions page 5
- Product Specifications page 5
- Energy and Performance Data page 6
- Control Options page 11

Product Certifications

ISO · DLC Listed · DLC Listed Premium · 3G VIB · IP66 · UL Certified · ida · 5 YEAR

Quick Facts

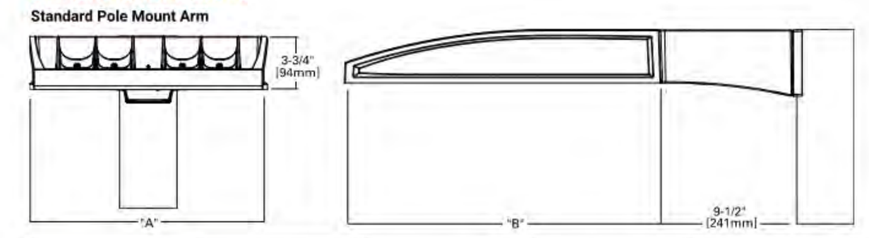
- Lumen packages range from 3,300 - 73,500 (33W - 552W)
- 17 optical distributions
- Efficacy up to 159 lumens per watt

Connected Systems

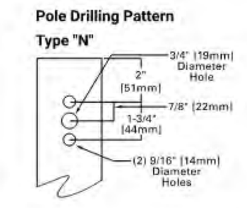
- WaveLinx Lite
- WaveLinx

Dimensional Details

Standard Pole Mount Arm



Pole Drilling Pattern Type "N"



Number of Light Squares	Width "A"	Housing Length "B"	Weight with Standard or QM Arm	EPA with Standard or QM Arm
1-4	16"	22"	29 lb	0.95
5-6	22"	22"	39 lb	0.95
7-9	22"	28-1/8"	48 lb	1.1

NOTES: For arm selection requirements and additional line art, see Mounting Details section.

NOTES:
1. Visit https://www.designlights.org/search/ to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified (3000K CCT and warmer only, fixed mounting options)

COOPER Lighting Solutions — PS500057EN page 1

LCL

Extend 2

Recessed mount

Project

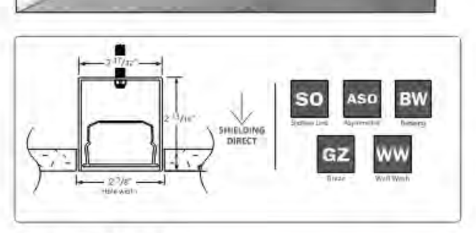
Type

Notes

PERFORMANCE PER LINEAR FOOT AT 3500K

NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY	SHIELDING
1000 lm/ft	8.5 W/ft	118 lm/W	SO
750 lm/ft	7.6 W/ft	106 lm/W	GZ
750 lm/ft	7.6 W/ft	107 lm/W	ASO
1000 lm/ft	10 W/ft	100 lm/W	BW
750 lm/ft	7.6 W/ft	107 lm/W	WW

Please consult factory for custom lumen output and wattage.



IC · IK10 · IP66 · cULus · 5 — * Final testing in progress

Ordering Guide

EX2R

PRODUCT ID		NOM. LUM/FT		CRI		COLOR TEMP. (choose one)		SHIELDING DIRECT	
EX2R	Extend 2 Recessed	300	300 lm/ft - min	80	80 CRI	30	3000 K	SO	spotless lens
		750	750 lm/ft - max for GZ, WW, ASO*	90	90 CRI	35	3500 K	GZ	graze
		1000	1000 lm/ft - max			40	4000 K	WW	wallwash
						50	5000 K	ASO	asymmetric
								BW	batwing
Ships with 7/8" hole standard for power connection by others if no optional power feed is specified, see page 3 for details.		Outputs between listed min and max are available. * 750 lm/ft max. only for GZ, WW and ASO. Consult factory for outputs outside of the listed range						Choose only one of the options above.	

LENGTH (FT)		FINISH		VOLTAGE		DRIVER		CIRCUITS		MOUNTING	
2	2'	AP	aluminum paint	120	120 V	DP	dimming (0-10V) 1%	1	1 circuit	DF	flange
3	3'	W	white	277	277 V	LT(#)	Lutron*	2	2 circuits	D	flangeless
4	4'	BLK	black	347	347 V*	BI	bi-level dimming	+E(#)	emergency circuit*	DS	drywall spackle flange
5	5'	C	custom	UNV	universal	O(#)	other* **	+NL(#)	night light circuit*		
6	6'							+GTD(#)	generator transfer device* **		
7	7'										
8	8'										
12	12'										
S(L)	System Run										
Lengths are nominal. Exact lengths can be specified, please consult factory.				*Remote surge protection device only		*Please consult factory; see page 2. ** Extended temp. range drivers available.		*Specify quantity. ** 4ft minimum fixture length. 120V and 277V only.			

BATTERY (OPTIONAL)		OTHER (OPTIONAL)		CUSTOM (OPTIONAL)	
B(#)	battery pack (remote)	+TF	top feed*	C	custom
		+EF	end feed*		
		+N	natatorium finish		
Minimum 4ft. Please consult factory.		* Comes with liquid tight connector and 10ft of plenum rated power cable. Not available for 347 V.		Please specify	

Product design and development is an ongoing process at Axis Lighting. We reserve the right to change specifications. Contact Axis for the latest product information. | 1 / 6 December 1, 2023 | FILE NAME: EX2R.SPEC | ©2016 Axis Lighting Inc. 1.800.263.2947 (T) 514.948.6272 | axis axislighting.com

SC1

WAC LIGHTING

Edgey

Outdoor Wall Sconce

Fixture Type:
Catalog Number:
Project:
Location:

Model & Size	Color Temp	Finish	LED Watts	LED Lumens	Delivered Lumens
WS-W17310	3000K	AL Brushed Aluminum	13W	765	313
	3500K	BK Black	13W	765	313
	4000K	WT White	13W	765	313

Example: **WS-W17310-40-WT**

For custom requests please contact customs@waclighting.com

DESCRIPTION

Precision, framed. A sleek design with sophisticated up and downward illumination.

FEATURES

- Top and bottom illumination
- Built in color temperature adjustability. Switch from 3000K/3500K/4000K
- Slide-on canopy with minimal hardware
- Option to pre-select color temperature or adjust in the field
- ACLED driverless technology
- 5 year warranty

SPECIFICATIONS

Color Temp:	3000K,4000K,3500K
Input:	120 VAC,50/60Hz
CRI:	90
Dimming:	ELV: 100-5% ,TRIAC: 100-5%
Rated Life:	60000 Hours
Mounting:	Can be mounted on wall vertically or upside down
Standards:	ETL, cETL,IP65
	Wet Location Listed
Construction:	Aluminum body with glass diffuser

FINISHES: White · Black · Brushed Aluminum

LINE DRAWING:

waclighting.com | **Phone** (800) 526.2588 | **Fax** (800) 526.2585 | **Headquarters/Eastern Distribution Center** 44 Harbor Park Drive Port Washington, NY 11050

WAC Lighting retains the right to modify the design of our products at any time as part of the company's continuous improvement program. December 2023

A1 & A2

McGraw-Edison — GALN Galleon II

Ordering Information

SAMPLE NUMBER: **GALN-SA4C-740-U-T4FT-GM**

Product Family	Light Engine Configuration	Light Engine Drive Current	Color Temperature	Voltage	Distribution	Mounting	Finish
GALN=Galleon II; BAA-GALN=Galleon II Buy American Act Compliant; TAA-GALN=Galleon II Trade Agreements Act Compliant	SA1=1 Square; SA2=2 Squares; SA3=3 Squares; SA4=4 Squares; SA5=5 Squares; SA6=6 Squares; SA7=7 Squares; SA8=8 Squares; SA9=9 Squares	A=600mA; B=800mA; C=1000mA; D=1200mA; Z=Configured	722=70CRI, 2200K; 727=70CRI, 2700K; 730=70CRI, 3000K; 735=70CRI, 3500K; 740=70CRI, 4000K; 750=70CRI, 5000K; 760=70CRI, 6000K; 827=80CRI, 2700K; 830=80CRI, 3000K; 835=80CRI, 3500K; 840=80CRI, 4000K; 850=80CRI, 5000K; 930=90CRI, 3000K; 935=90CRI, 3500K; 940=90CRI, 4000K; 950=90CRI, 5000K; AMB=Amber, 590nm	U=120-277V; H=347V-480V; 1=120V; 2=208V; 3=240V; 4=277V; 8=480V; 9=347V; DV=277V-480V DuraVolt Drivers	T1=Type I; T2=Type II; T2R=Type II Roadway; T3=Type III; T3R=Type III Roadway; T4FT=Type IV Forward Throw; T4W=Type IV Wide; 5NQ=Type V Narrow; 5MQ=Type V Square Medium; 5WQ=Type V Square Wide; SL2=Type II w/Spill Control; SL3=Type III w/Spill Control; SL4=Type IV w/Spill Control; SLL=90° Spill Light Eliminator Left; SLR=90° Spill Light Eliminator Right; RW=Rectangular Wide Type I; AFL=Automotive Frontline	[Blank]=Standard Pole Mount Arm; QU=Quick Mount Universal Arm; QM=Pole Mount Arm with Quick Mount Adaptor; PA=Pole Mount, Adjustable; SP=3" Slipfitter, Adjustable; SP2=2-3/8" Slipfitter, Adjustable; QMA=Quick Mount Mast Arm, Fixed; MA=Mast Arm, Fixed; WM=Wall Mount, Fixed; WA=Wall Mount, Adjustable; UP=Upswept Arm	AP=Grey; BZ=Bronze; BK=Black; DP=Dark Platinum; GM=Graphite Metallic; WH=White; RALXX=Custom Color

Options (Add as Suffix)	Controls and Systems Options (Add as Suffix)	Accessories (Order Separately)
DIM=External 0-10V Dimming Leads; F=Single Fuse (120, 277 or 347V Specify Voltage); FF=Double Fuse (208, 240 or 480V Specify Voltage); 20K=20kV UL 1449 fused surge protective device; 2L=Two Circuits; HA=50°C High Ambient; HSS=Installed House Side Shield; GRSBK=Glare Reducing Shield, Black; GRSWH=Glare Reducing Shield, White; LCF=Light Square Trim Painted to Match Housing; TH=Tool-less Door Hardware; CC=Coastal Construction finish; L90=Optics Rotated 90° Left; R90=Optics Rotated 90° Right; AHD145=After Hours Dim, 5 Hours; AHD245=After Hours Dim, 6 Hours; AHD255=After Hours Dim, 7 Hours; AHD355=After Hours Dim, 8 Hours; DALI=DALI Drivers	BPC=Button Type Photocontrol. Must specify voltage 120V, 208V, 240V or 277V; PR=NEMA 3-PIN Photocontrol Receptacle; PR7=NEMA 7-PIN Photocontrol Receptacle; FADC=Field Adjustable Dimming Controller; PSC=Photocontrol Shorting Cap; SPB2=Dimming Motion Sensor, 9'-20' mounting; SPB4=Dimming Motion Sensor, 21'-40' mounting; SPB2/X=Dimming Motion Sensor, limited square count, 9'-20' mounting; SPB4/X=Dimming Motion Sensor, limited square count, 21'-40' mounting; MS/DIM-L20=Motion Sensor for Dimming Operation, 9'-20' Mounting; MS/DIM-L40=Motion Sensor for Dimming Operation, 21'-40' Mounting; ZW=WaveLinx-enabled 4-PIN Twistlock Receptacle; ZD=SR Driver-enabled 4-PIN Twistlock Receptacle; ZW-WOBXX=WaveLinx Lite, Dimming Motion and Daylight, Bluetooth Programmable, 7'-15' Mounting; ZW-WOFXX=WaveLinx Lite, Dimming Motion and Daylight, Bluetooth Programmable, 15'-40' Mounting; ZD-WOBXX=WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7'-15' Mounting; ZD-WOFXX=WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15'-40' Mounting; ZW-SWPD4XX=WaveLinx Pro, Dimming Motion and Daylight, WAC Programmable, 7'-15' Mounting; ZW-SWPD5XX=WaveLinx Pro, Dimming Motion and Daylight, WAC Programmable, 15'-40' Mounting; ZD-SWPD4XX=WaveLinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7'-15' Mounting; ZD-SWPD5XX=WaveLinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15'-40' Mounting; DIM10-L20=Synapse Occupancy Sensor (9'-20' Mounting); DIM10-L40=Synapse Occupancy Sensor (21'-40' Mounting)	OA/RA1016=NEMA Photocontrol Multi-Tap - 105-285V; OA/RA1027=NEMA Photocontrol - 480V; OA/RA1201=NEMA Photocontrol - 347V; OA/RA1013=Photocontrol Shorting Cap; OA/RA1014=120V Photocontrol; MA1252=10kV Surge Module Replacement; MA1036-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon; MA1037-XX=2@180° Tenon Adapter for 2-3/8" O.D. Tenon; MA1197-XX=3@120° Tenon Adapter for 2-3/8" O.D. Tenon; MA1188-XX=4@90° Tenon Adapter for 2-3/8" O.D. Tenon; MA1189-XX=2@90° Tenon Adapter for 2-3/8" O.D. Tenon; MA1190-XX=3@90° Tenon Adapter for 2-3/8" O.D. Tenon; MA1191-XX=2@120° Tenon Adapter for 2-3/8" O.D. Tenon; MA1038-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon; MA1039-XX=2@180° Tenon Adapter for 3-1/2" O.D. Tenon; MA1192-XX=3@120° Tenon Adapter for 3-1/2" O.D. Tenon; MA1193-XX=4@90° Tenon Adapter for 3-1/2" O.D. Tenon; MA1194-XX=2@90° Tenon Adapter for 3-1/2" O.D. Tenon; MA1195-XX=3@90° Tenon Adapter for 3-1/2" O.D. Tenon; SRA238=Adapter kit for mounting 3" SP arm to 2-3/8" O.D. vertical tenon; FSIR-100=Wireless Configuration Tool for MS/DIM; LS/HSS=Field Installed House Side Shield; LS/GRSBK-2PK=Glare Reducing Shield, Black; LS/GRSWH-2PK=Glare Reducing Shield, White; LS/PFS=Perimeter Shield, Black; WOLC-7P-10A=WaveLinx Outdoor Control Module; WOB-XX=WaveLinx Lite Sensor, Dimming Motion and Daylight, Bluetooth Programmable, 7'-15' Mounting; WOF-XX=WaveLinx Lite Sensor, Dimming Motion and Daylight, Bluetooth Programmable, 15'-40' Mounting; SWPD4-XX=WaveLinx Sensor, Dimming Motion and Daylight, WAC Programmable, 7'-15' Mounting; SWPD5-XX=WaveLinx Sensor, Dimming Motion and Daylight, WAC Programmable, 15'-40' Mounting

NOTES: [notes 1–34, illegible fine print]

LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

Product Family	Camera Type	Data Backhaul	
L=LumenSafe Technology	D=Standard Dome Camera; H=Hi-Res Dome Camera; Z=Remote PTZ Camera	C=Cellular, No SIM; A=Cellular, AT&T; V=Cellular, Verizon; S=Cellular, Sprint	R=Cellular, Rogers; W=Wi-Fi Networking w/ Omni-Directional Antenna; E=Ethernet Networking

COOPER Lighting Solutions — PS500057EN page 2

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Lakeland, TN 38002
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fax: 901.332.5534
www.rgroup.biz

NOT FOR CONSTRUCTION

REV	DESCRIPTION	DATE

CITY OF SOUTHAVEN - DESIGN REVIEW

TOP OF THE SIPP - ENTERTAINMENT 1

CSA ENGINEERING PROJECT NO: 23561
Chad Stewart & Associates, Inc.
9720 Village Circle, Lakeland, TN 38002
Phone 901-260-7850, CSAengineeringinc.com
Memphis, Nashville

Sheet Title: **EXTERIOR FIXTURE CUTSHEETS**

Project No.: **23029**

Drawn by: **Author**

Date: **12/20/2023**

Sheet No.: **E0.5**

Autodesk Docs://23029 - Southaven Mixed Use - SMJ/MEP 23561 v24 - Building #1.rvt
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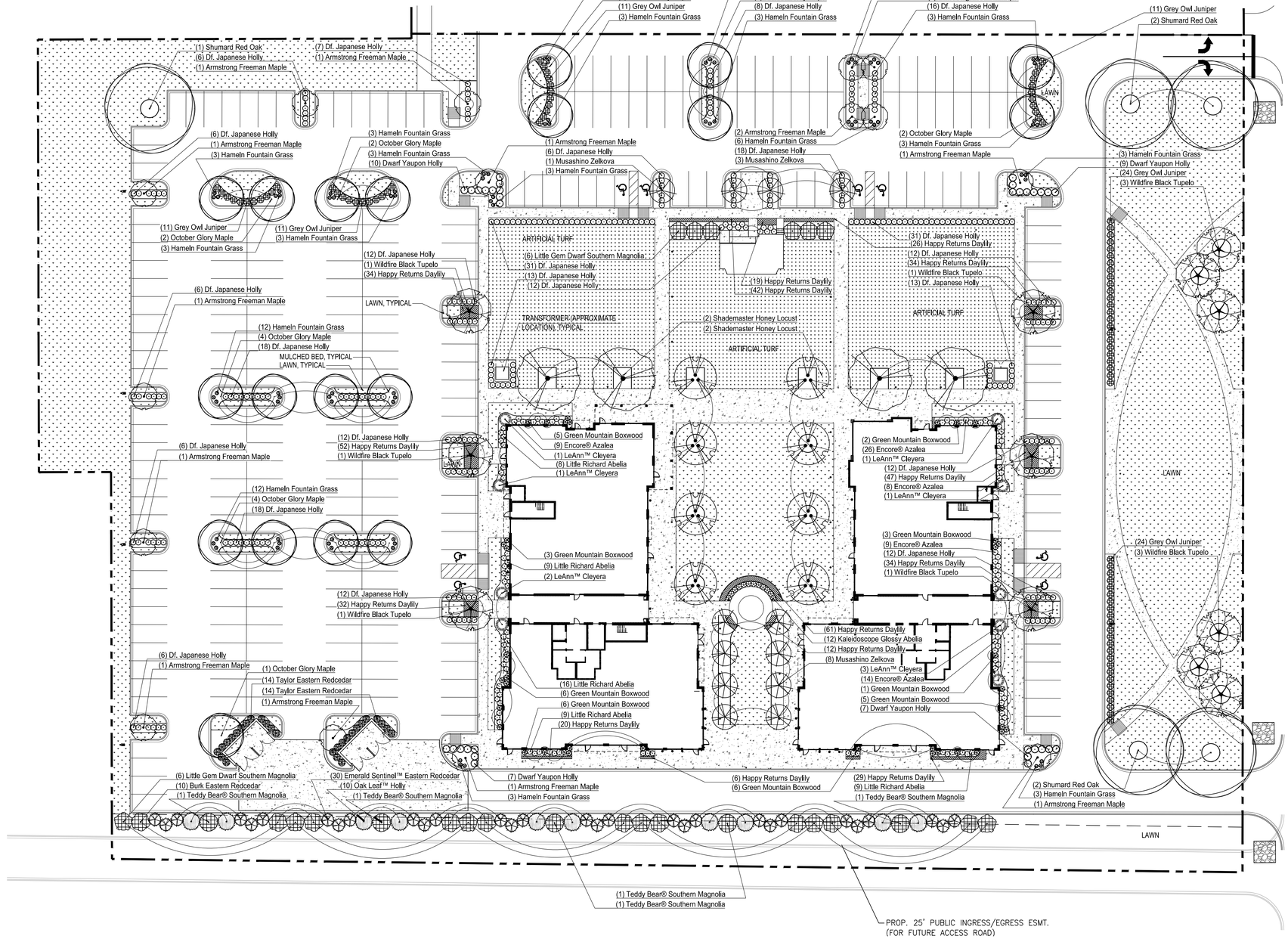
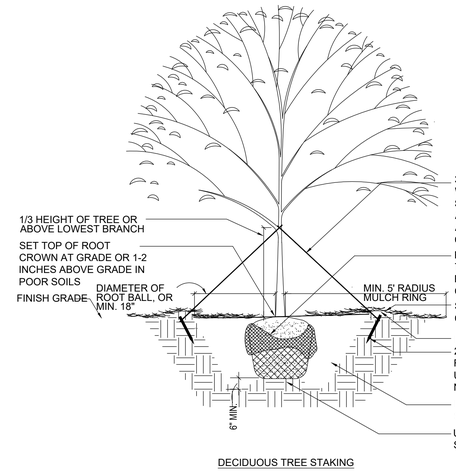
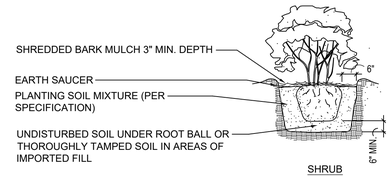


PLANTING PLAN

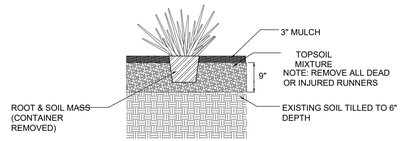
SCALE: 1" = 30'-0"



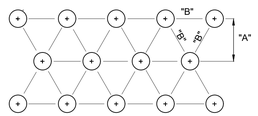
DECIDUOUS TREE STAKING



SHRUB



PLANTING DETAIL

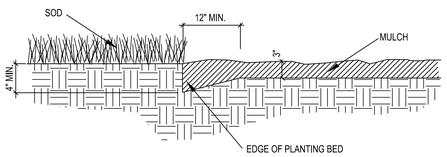


PLANT SPACING "B"	PLANT SPACING "A"
6"	5.0"
8"	6.93"
10"	8.66"
12"	10.40"
15"	13.00"
18"	15.60"
24"	20.80"
36"	31.18"

GROUND COVER LAYOUT DETAIL

TYPICAL PLANTING DETAILS

NOT TO SCALE



SPADE EDGE PLANTING BED DETAIL

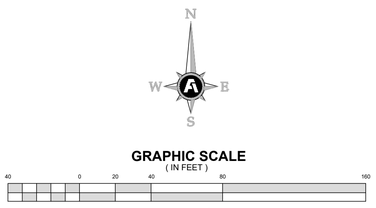
NOT TO SCALE

NOTES:

1. LANDSCAPE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES IN THE FIELD PRIOR TO ANY START OF PLANTING INSTALLATION. THE CONTRACTOR ASSUMES RESPONSIBILITY FOR ANY DAMAGES TO SUCH UTILITIES INCURRED BY HIS COMPANY.
2. THE LANDSCAPE CONTRACTOR SHALL LOCATE A SOURCE FOR ALL PLANTING MATERIALS PRIOR TO A SUBMITTING BID. PLANT SOURCES SHALL BE IDENTIFIED ON THE CONTRACTOR'S BID.
3. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT ANY OR ALL PLANTING MATERIALS WHICH IN HER OPINION DOES NOT APPEAR TO BE FIT FOR THIS PLANTING INSTALLATION.
4. THE LANDSCAPE CONTRACTOR CANNOT SUBSTITUTE ANY PLANT MATERIAL WITHOUT THE WRITTEN CONSENT OF THE LANDSCAPE ARCHITECT, EXCEPT FOR SUBSTITUTING LARGER SIZED PLANTS OF THE SAME QUALITY SPECIFIED WITHOUT ADDITIONAL COST TO THE OWNER. NO UNDERSIZED PLANT MATERIAL WILL BE ACCEPTED.
5. ALL PLANT MATERIALS SHALL CONFORM TO THE "AMERICAN STANDARD FOR NURSERY STOCK" SPECIFICATIONS, LATEST EDITION.
6. AREAS OUTSIDE MULCH BORDERS AND ALL ISLANDS SHALL BE SODDED EXCEPT WERE OTHERWISE SPECIFIED.
7. THE PLANT SCHEDULE IS PROVIDED FOR THE CONTRACTOR'S CONVENIENCE AND IS NOT GUARANTEED TO BE ACCURATE. THE CONTRACTOR IS RESPONSIBLE FOR ALL QUANTITY CALCULATIONS. IN THE EVENT OF A DISCREPANCY, THE LANDSCAPE PLAN SHALL TAKE PRECEDENCE OVER THE PLANT SCHEDULE.

GENERAL NOTES

NOT TO SCALE



REVISION		
ITEM NO.	DESCRIPTION OF CHANGE	APPROVAL DATE

REGISTERED LANDSCAPE ARCHITECT
ISOBEL R. RITTER
506
STATE OF MISSISSIPPI
3/6/2024

PHASE 2

TOP OF THE SIP P.D.

DEVELOPER: SMJ ENTERPRISE, LLC
ENGINEER: FISHER ARNOLD

SITE BENCH MARK – PK NAIL SET IN PAVEMENT AT THE MID–POINT OF CURBING IN PARKING LOT ON THE EAST SIDE OF SNOWDEN LANE – ELEVATION = 374.24.

SHEET 1 OF 1

DIVISION OF ENGINEERING

LANDSCAPE PLAN

SNOWDEN LN., 763' NORTH OF MAY BLVD.
SOUTHAVEN, MISSISSIPPI

SURVEY:	HARRIS & ASSOC.	DATE:	10/23	PROJECT NO.:	SMJENTPR 0009LD
DESIGN BY:	FA	DATE:	11/23	TASK NO:	
DRAWN BY:	FA	DATE:	02/24	SCALE:	

REVIEWED BY:

CITY ENGINEER _____ DATE _____

SECTION 32 900
PLANTING INSTALLATION

PART 1 - GENERAL

1.01 QUALITY ASSURANCE

A. QUALIFICATIONS OF WORKMEN
Provide at least one person who shall be present at all times during execution of this portion of the Work and who shall be thoroughly familiar with the type of materials being installed and the best methods for their installation and who shall direct all work performed under this section.

B. APPLICABLE DOCUMENTS
The following specifications and standards of the issues listed and referred to in this Section form a part of this Specification to the extent required by reference thereto:
1. American Standard for Nursery Stock, ANSI Z60.1, Current Edition
2. American National Standard for Tree Care Operations, International Society of Arboriculture, ANSI A300.

1.02 PLANT AVAILABILITY
All plants specified in the Plant Schedule shall be located and certified available to be planted, Contractor shall notify Owner's Representative at once of any unavailable plant material.

1.03 PRECAUTIONS
Locate underground utilities and drainage lines on the site with flags or similar markings prior to excavating or driving stakes. Take proper precautions to prevent damaging or disturbing these improvements. Contractor is responsible for damage or dislocation by his company.

1.04 INSPECTION AND ACCEPTANCE

A. INSPECTION
Inspection - a verification of performance for work defined by contract documents, to be conducted by the Owner's Representative on site and in the presence of the Landscape Contractor for the purpose of acceptance. Inspection shall be made within two (2) weeks of written notification from the Landscape Contractor. Failure of the Owner's Representative to inspect the work shall not void the guarantee. During inspection for initial acceptance, the Landscape Contractor should have an acceptance form to be signed by the Owner or Owner's Representative.

B. INITIAL ACCEPTANCE
The Owner's Representative shall perform an inspection with the Contractor after the initial planting operation. Initial planting operation ends when:
1. All plants are installed, mulched, and watered as specified;
2. Stakes and guys, if specified, are in place;
3. All construction material and excess excavated material is removed and clean-up is completed.

Upon completion and re-inspection of all repairs or renewals required by the Owner's Representative, the Owner's Representative shall certify in writing that the work has been accepted.Acceptance can be given for partially completed work under the contract, if approved by the Owner or Owner's Representative. If, for reasons beyond the Landscape Contractor's control, work has stopped, inspection shall be made of partially completed work. The Owner's Representative shall make a maximum of two initial inspections. Additional inspections required for approval of newly installed material or previously rejected material will be at the Contractor's expense.

C. WARRANTY
Warranty shall begin after landscape inspection and acceptance. Note: The Landscape Contractor should periodically inspect the site during the warranty period and notify the Owner or Owner's Representative in writing if proper maintenance is not being performed.

D. FINAL INSPECTION AND ACCEPTANCE
At the end of the maintenance and guarantee period and upon written request of the Contractor, the Owner's Representative shall inspect all guaranteed work for final acceptance. The request shall be received by the Owner's Representative at least 14 days before the anticipated date for final inspection. Upon completion and re-inspection of all repairs or replacements necessary in the judgment of the Owner's Representative, the Owner's Representative shall certify, in writing, that the project has received final acceptance. In no way will final acceptance of landscaping precede final acceptance of entire project.

1.05 WARRANTY PERIOD AND REPLACEMENTS
The standard warranty is for a one (1) year period, excluding bulbs and annuals, commencing on the date of initial acceptance. All plants shall be alive and in satisfactory growth at the end of the guarantee period, Plants shall be free of dead or dying branches and branch tips, and shall bear foliage of a normal density, size and color, Any material that is 25% dead or more shall be considered dead and must be replaced at no charge, A tree shall be considered dead when the main leader has died back, or when 25% of the crown is dead, Deciduous material shall be guaranteed to break dormancy if planted in dormant season. Perennials shall be guaranteed to show signs of healthy growth by May 15 - June 1. Any delay in completion of planting operations which extends the planting into more than one planting season shall extend the Warranty Period correspondingly. Replace without cost to Owner, and as a vigorous, thriving condition, as determined by the Owner's Representative during and at the end of the Warranty Period. Replacement shall closely match adjacent specimens of the species and shall be subject to all requirements of this specification, The Contractor shall not be held responsible for failures due to neglect by the Owner, vandalism, etc., during the Warranty Period, Report such conditions to the Owner in writing, Plant material exhibiting conditions which are determined by the Owner's Representative as being unacceptable due to action during planting and maintenance operations shall be replaced at no additional cost to the Owner, Annuals and bulbs are not guaranteed.

1.06 PRODUCT HANDLING

A. DELIVERY AND TEMPORARY STORAGE
1. Insofar as is practicable, plant material shall be planted on the day of delivery. In the event this is not possible, the Contractor shall protect the stock not planted.
2. Protect plants at all times from sun or drying winds, Plants that cannot be planted immediately on delivery shall be kept in the shade, with the root mass well protected and kept well watered, Plants shall not remain unplanted for longer than three days after delivery to the site.

B. APPROVALS AND REJECTION OF MATERIALS AND WORK
The selection of all materials and execution of all preparations required under the Drawings and Specifications shall be subject to the approval of the Owner's Representative, The Owner's Representative shall have the right to reject any and all materials, any and all work, which in his opinion does not meet the requirements of the Specifications or Drawings at any stage of operations. All rejected materials shall be promptly removed from the site and shall not be discarded on adjacent sites.

C. MAINTENANCE OF SITE DURING PLANTING
Sidewalks, roads and other pavement adjacent to planting operation shall be kept clean and free of obstructions, mud and debris at all times. Wheels of vehicles used in work shall be cleaned if necessary, Flushing of streets or disposal of dirt or debris into sewers or drainage ditches will not be permitted. Dust shall be controlled by approved means to the satisfaction of the Owner's Representative.

PART 2 - PRODUCTS

2.01 PLANT MATERIALS

A. PLANTS, IN GENERAL
All plants shall be in accordance with the American Standards for Nursery Stock, and with the following additional requirements.
1. Plants shall be so trained in development and appearance as to be unquestionably superior in form, compactness, and symmetry, They shall be sound, healthy, vigorous, well-branched, and densely foliated when in leaf, Plants shall be free of disease and insect adults, eggs, pupae, or larvae, They shall have healthy, well-developed root systems and shall be free from physical damage or other conditions that would prevent thriving growth,
2. A complete list of plants, including quantities, sizes, and other requirements is included in the contract documents, In the event that discrepancies occur between quantities of plants indicated in the plant list and on the drawings, the quantities indicated on the drawings shall govern,
3. The Contractor shall furnish a written list of proposed sources of nursery stock, This list may not be altered without consent of the Owner's Representative,
4. Substitutions of plants must be authorized in writing by the Owner's Representative. If proof is submitted in writing that a plant specified is not obtainable, consideration will be given to the nearest available size or similar variety, with a corresponding adjustment of the contract price, Owner's Representative will obtain approval from the Owner or local governmental agencies, as required, prior to approving any substitutions,
5. Plants shall conform to the measurements specified except that plants larger than those specified may be used if approved by the Owner. Use of larger plants shall not increase the contract price nor allow the Contractor to use smaller than specified material on other plants, If larger plants are approved, the root ball, root spread, or container shall be increased in proportion to the size of the plant,
6. All plants shall comply with state and federal laws governing the shipping, selling, and handling of plant stock and inspection for plant diseases and pest infestations, Inspection certificates required by law shall accompany each shipment of plants and shall be filed with the Owner's Representative before acceptance, The certificate shall bear the name and address of the source of the stock,
7. Transportation and storage of plant materials shall be in conformance with the following.
   a. The Contractor shall take care to prevent injury and drying out of plants during transportation, Should the roots dry out, large branches be broken, earth balls break or be loosened, or bark be torn, the Owner's Representative may reject the injured tree(s) and have them replaced at no additional cost to the Owner,
   b. Roots of each load of bare root stock shall be adequately covered with wet soil, sawdust, wood chips, or other acceptable moisture-holding medium until planted, Loads shall be covered with an open-mesh tarpaulin, canvas, or other material to ensure that trees do not become overheated or damaged by wind during transport, Loads not protected in this manner may be rejected.
   c. Plants must be protected at all times from sun or drying winds, Those that cannot be planted immediately upon delivery shall be kept in the shade and watered well, Plants shall not remain unplanted longer than three days after delivery without permission from the Owner's Representative.
   d. Plants shall be lifted and handled with suitable support of the soil ball and shall not be lifted by the trunk or branches.
8. Plant delivery and inspection shall be in conformance with the following,
   a. The Contractor shall give the Owner's Representative notice of delivery time seven to ten days prior to delivery,
   b. Each bundle or each plant shall have a durable and legible label with plant size and name (genus, species, variety, cultivar) securely attached when delivered and in place until after acceptance, Labels shall not girdle or damage plants,
   c. Plants shall be inspected by the Owner's Representative upon delivery. A Contractor's representative shall be present at all inspections. Installation shall not begin until after all plants are inspected and accepted by the Owner's Representative,
   d. The Owner's Representative reserves the right to reject any plants that do not meet the standards or that have been damaged, Such approval shall not impair the right of inspection and rejection during progress of the work. The Owner's Representative shall be the sole judge of acceptability of stock at any time during the course of this contract.

2.02 TREES

A. SIZE
Caliper measurements shall be taken 6 inches above the trunk flare for trees up to 4 inches in caliper, and 12 inches above the trunk flare for trees over 4 inches in caliper, Plants shall be measured when branches are in their normal position, If a range of size is given, no plant shall be less than the minimum size, and no less than 50 percent of the plants shall be as large as the maximum size specified, Trees shall have a standard balance between height, crown spread, diameter, and root ball size according to the American Standard for Nursery Stock,

B. FORM
Tree trunks shall be straight and well-tapered, Trees with multiple leaders, unless specified, will be rejected, Damaged, cut, or crooked leaders; included bark, bark abrasions, sunscald, disfiguring knots, mold, and prematurely opened buds, or cuts of limbs over 3/4 inch diameter that are not completely callused are cause for rejection, Needled evergreens shall not have been sheared,

C. BALLED-IN-BURLAP MATERIAL
Balled-in-burlap (B&B) plants shall have firm, natural earth balls of a diameter not less than that recommended in American Standard for Nursery Stock, and of sufficient depth to include fibrous and feeding roots, Balls shall be securely wrapped with burlap and tightly bound with rope or twine, or trees may be in wire baskets lined with burlap and tightly bound with rope or twine. The trunk flare shall be within the top two inches of the soil ball, Balled-in-burlap plants with manufactured balls or balls that are dry, cracked, or broken before or during the planting operation will be rejected. Synthetic ball wrapping material will not be allowed in any case.

2.03 CONTAINER GROWN PLANT MATERIALS
All container grown plants shall be healthy, vigorous, well-rooted and established in the container with a root system sufficiently developed to hold together when removed from the container, Plants shall not be pot bound nor have kinked, circling, or bent roots, The root ball periphery shall be free of circling roots larger than 1/4 inch in diameter, The container shall be sufficiently rigid to hold the root mass shape protecting it during shipment, No root bound container grown plants will be permitted, No broken container grown root mass shall be planted.

2.04 BARE ROOTED PLANT MATERIALS
No bare rooted plant materials will be permitted.

2.05 COLLECTED PLANT MATERIALS
No collected plant materials will be permitted.

2.06 MISCELLANEOUS MATERIALS

A. TOPSOIL
Fertile, friable, natural topsoil of a loamy character without admixture of clay, hardpan, mulch, marl, shell or fine sand and capable of sustaining vigorous plant growth. It shall contain a normal amount (5-8%) of decomposed organic matter and shall be free of stones, lumps, plants or their roots, or seeds, sticks and other extraneous matter and shall contain no substance or material inhibitory to plant growth, The results of soil tests by the Contractor shall show that topsoil pH is between 5 and 7 and that topsoil is free of excessive soluble salts at time of use,

B. PLANTING SOIL MIXTURE
All topsoil used in tree and shrub beds shall be prepared and conditioned as follows: Mix one (1) part by volume of decomposed peat moss, one (1) part builder's coarse sand and one (1) part topsoil to each cubic yard of the mixture. Provide one part planting soil mix for each three parts original soil removed from tree and shrub planting pits,

C. MYCORRHIZAL INOCULANT
Plant Success Granular Premium Mycorrhizae 3-1-2 granular inoculum as manufactured by Plant Revolution, Inc., 2133 S. Hathaway Street, Santa Ana, California, 92705 or approved equal. Apply to planting mix surrounding all tree root balls and shrub root masses, as directed by the manufacturer. In groundcover areas, apply as a soil drench following planting operations.

D. FERTILIZER
1. Commercial Fertilizer 6-12-12: Fertilizer shall conform to applicable State fertilizer laws and shall be slow-release type, Fertilizer shall only be applied during maintenance, not during planting operations,
2. Lime - Shall be raw ground limestone of agricultural grade and shall be added to topsoil at an incremental rate of 2 1/2 pounds per cubic yard to correct highly acid conditions as determined by soil test by the Contractor conducted prior to the spreading or mixing of topsoil.
3. Aluminum Sulfate - Shall be unadulterated and delivered in containers with name of materials and manufacturer and net weight of contents and shall be added to topsoil at an incremental rate of 2 1/2 pounds per cubic yard to correct highly alkaline conditions as determined by soil test by the Contractor conducted prior to the spreading or mixing of topsoil.

E. MULCHING
Bark - Shall be of 100% organic decomposed shredded pine or hardwood and be free of weeds, diseases, seeds, spurs, insects and other foreign matter,

F. PEAT MOSS
Commercial organic grade, dark brown color, cured for at least one year, low in woody material, free from mineral or other foreign matter harmful to plant life.

G. STAKES
Anchoring material shall be root staking materials as manufactured by Tree Frog Environmental Products, LLC of Mount Dora, Florida or approved equal.
Anchoring material shall be provided two (2) per tree, and shall be installed using the manufacturer's recommendation for root ball staking.

H. WATER
The Contractor shall make, at his expense, whatever arrangements may be necessary to insure an adequate supply of water to meet the needs of this project, Water shall be free from any harmful or objectionable organisms, seed or other materials.

PART 3 - EXECUTION

3.01 PLANTING METHODS

A. GENERAL
1. The Contractor shall be responsible for planting at correct grades and alignment.
2. The Owner's Representative shall inspect all plant materials while in their containers and in their final locations prior to digging.
3. The Contractor shall flag all underground utilities and structures prior to digging or staking.
4. Perform planting only during periods within the planting season when weather and soil conditions are suitable and in accordance with local accepted practices,
5. Plants must be protected from excessive vibrations. Plants shall not be thrown or bounced off a truck or loader to the ground. Plants shall not be dragged, lifted, or pulled by the trunk or branches in a manner that will damage the branches or loosen the roots in the ball.
6. Trees shall be gently removed from containers before planting. Trees shall not be pulled from the container by the trunk. Trees shall be set with the top of the trunk flare at or slightly above finished grade. Any soil above the trunk flare must be carefully removed. Plants shall be set on firm soil (undisturbed or compacted) so that plant will be at the same depth one year after planting. Any repositioning of trees shall be done by supporting and moving the root ball, not lifting by the trunk.
7. Roots that are circling the bottom, sides or surface of the root mass of containerized plants shall be gently separated and directed away from the plant stem.

B. PLANTING BED AND TREE PIT PREPARATION
1. Excavation of planting beds shall be in accordance with the planting details. Excavation may be done by shovel, backhoe, or stump grinder, but a soil auger may not be used,
2. Before setting any trees or shrubs, the sides of the pits shall be scarified, and the beds and pits backfilled with the topsoil mixture to a depth of 6 inches and tamped and watered.

C. SETTING PLANTS
1. Set plants at same relationship to finish grade as they bore to the ground from which they were dug,
2. Prepare planting beds as specified and set plants plumb and oriented for desired effect as directed by the Owner's Representative,
3. Use topsoil mixture with mycorrhizal inoculant to backfill plant pits, When plant pits are approximately two-thirds full, soil shall be thoroughly watered to eliminate air pockets. After this initial watering, soil shall be installed to the top of the hole and again thoroughly watered. Backfill shall not be tamped or compacted. Fertilizer shall not be applied during the planting operation.
4. After the plant has been set, remove burlap, wire baskets, and other wrappings from at least the top half of the ball. Wraps may be left intact around the lower half of the ball if necessary to support the ball. However, all waterproof or water repellant wrappings shall be removed completely, Care must be taken to not crack or break the root ball. Turn under and bury top one-third of the burlap wrapping on the ball as shown on the details.
5. Form saucers capable of holding water about plant by placing a mound of topsoil around the edge of each filled in pit as detailed.
6. Mulch all pits with shredded bark or approved mulch material, keeping mulch 8 inches away from tree trunks, Provide 6-foot radius of mulch surrounding tree trunks unless otherwise shown on the plan.
7. Water all plants by hose immediately after planting.
8. Stake each plant as detailed,
9. All twine, rope, transit guards, plant labels, and wrappings around the trunk or branches shall be removed after planting,

D. PRUNING
The only pruning allowed at planting shall be removal of double leaders and dead, damaged, or broken branches, Pruning shall conform to American National Standard for Tree Care Operations, ANSI A300, No pruning paint or other wound dressing shall be used, Pruning shall be approved in advance by the Owner's Representative.

E. CLEAN-UP
Soil, branches, rejected plants, wrapping material, and other debris resulting from installation shall be promptly cleaned up and removed, The work area shall be kept safe and neat at all times, Under no condition shall accumulation of soil, branches, or other debris become a public hazard.

3.02 MAINTENANCE OF TREES, SHRUBS, AND GROUND COVERS

A. MAINTENANCE PERIOD
Maintenance shall begin immediately after each plant is planted and shall continue until landscape inspection and final acceptance of the entire project, The Contractor shall furnish all labor, materials, and equipment required to protect and maintain plants in a healthy and flourishing condition, and to repair any damage to the site as specified during the maintenance period.

B. MAINTENANCE TASKS
1. The Contractor shall ensure that installed irrigation systems are functional and operational, or must provide deep watering of all trees and shrubs at least once a week, or as needed to maintain adequate soil moisture. Deep watering is the slow penetration of water throughout the entire root zone of each plant, a depth of approximately 24 inches. The watering schedule must respond to varying seasonal and soil conditions to maintain adequate, but not excessive moisture, If the soil does not adequately absorb water, the Contractor shall take actions that correct this condition without additional cost to the Owner, Watering shall cease at the first hard frost and shall resume when the ground thaws in the spring,
2. Pruning shall conform to American National Standard for Tree Care Operations, ANSI A300 and shall be done by a certified arborist or other person trained to meet these standards, Dead, broken, or damaged branches may be pruned at any time, Pruning for form shall begin the year after installation, No tree shall be topped, Any tree damaged by improper pruning shall be replaced by the Contractor,
3. Fertilizer shall be applied in late summer or early autumn during leaf fall, It is most effective at encouraging growth the following season when applied after growth ends but while soil is warm enough to take up and store the nutrients, A slow-release fertilizer shall be applied at a rate of three pounds of actual nitrogen per 1000 square feet per application and shall not exceed six pounds of actual nitrogen per 1000 square feet annually, A fertilizer ratio of 3:1:1 or 3:1:2 with a salt index of less than 50 shall be used, These ratios may be adjusted based on age and/or condition of the plant or soil and environmental conditions, when specified by the Owner's Representative, Fertilizer shall be uniformly distributed throughout the planting bed or root zone (an area with a diameter equal to the height of the tree), Fertilizer shall be thoroughly watered in,
4. Mulch shall be raked and smoothed to retain its functional and aesthetic purposes and replaced as needed to maintain a depth of two to four inches at all times, An area of three to six inches in diameter around each tree trunk shall be kept clear of mulch,
5. The Contractor shall keep the planted area free of litter and weeds, Any tree or shrub damaged by a lawnmower, weed whip, or other equipment shall be replaced,
6. The Contractor shall secure the permission of the Owner before applying any herbicide, fungicide, or insecticide, The applicator shall comply with all regulations related to pesticide and herbicide application, The Contractor shall apply all materials in complete accordance with state, federal, and local regulations. Contractor shall notify Owner and tenants prior to application, and in conformance with any state requirements,
7. The Contractor shall reset plants to proper grade or upright position, and restore planting saucers, as required,

C. PROTECTION OF PLANTINGS
Planting areas and plants shall be protected at all times against trespassing and damage of any kind for the duration of the maintenance period, If any plants become damaged or injured, they shall be treated or replaced as directed by the Owner's Representative,

END OF SECTION

PLANTING SPECIFICATIONS

PLANT SCHEDULE

	QTY	COMMON NAME	BOTANICAL NAME	CONDITION	CAL	SIZE	REMARKS
TREES							
	15	Armstrong Freeman Maple	Acer x freemanii 'Armstrong'	B & B	3.5"Cal		Matched specimens, min. 4` clear trunk
	10	Burk Eastern Redcedar	Juniperus virginiana 'Burkii'	B & B		6-7` ht.	Matched specimens, full to ground
	30	Emerald Sentinel™ Eastern Redcedar	Juniperus virginiana 'Corcorcor'	B & B		6-7` ht.	Matched specimens, full to ground
	12	Little Gem Dwarf Southern Magnolia	Magnolia grandiflora 'Little Gem'	B & B		6-7` ht.	Matched specimens, full to ground
	12	Musashino Zelkova	Zelkova serrata 'Musashino'	B & B	2.5"Cal		Matched specimens, min. 4` clear trunk
	10	Oak Leaf™ Holly	Ilex x 'Conaf'	B & B		6-7` ht.	Matched specimens, full to ground
	19	October Glory Maple	Acer rubrum `October Glory` TM	B & B	2.5"Cal		Matched specimens, min. 4` clear trunk
	8	Paperbark Maple	Acer griseum	B & B	2.5"Cal		Matched specimens, min. 4` clear trunk
	4	Shademaster Honey Locust	Gleditsia triacanthos inermis 'Shademaster'	B & B	2.5"Cal		Matched specimens, min. 4` clear trunk
	5	Shumard Red Oak	Quercus shumardii	B & B	2.5"Cal		Matched specimens, min. 4` clear trunk
	28	Taylor Eastern Redcedar	Juniperus virginiana 'Taylor'	B & B		6-7` ht.	Matched specimens, full to ground
	5	Teddy Bear® Southern Magnolia	Magnolia grandiflora 'Southern Charm'	B & B		6-7` ht.	Matched specimens, full to ground
	12	Wildfire Black Tupelo	Nyssa sylvatica `Wildfire`	B & B	2.5"Cal		Specimen, min. 4` clear trunk
	QTY	COMMON NAME	BOTANICAL NAME	CONDITION	SPR.	HT.	REMARKS
SHRUBS							
	293	Df. Japanese Holly	Ilex crenata `Compacta`	--		24"	Dense, full specimens
	33	Dwarf Yaupon Holly	Ilex vomitoria `Nana`	--		18"min.	Dense, matching specimens, full to ground
	49	Encore® Azalea	Azalea x `Conlet`	--	18" spread		Dense, matching specimens, full to ground
	38	Green Mountain Boxwood	Buxus x 'Green Mountain'	--		24"min.	Dense, matching specimens, full to ground
	92	Grey Owl Juniper	Juniperus virginiana 'Grey Owl'	--	18" spread	18"min.	Dense, matching specimens, full to ground
	81	Hameln Fountain Grass	Pennisetum alopecuroides 'Hameln'	2 gal			Dense, full matching specimens
	12	Kaleidoscope Glossy Abelia	Abelia x grandiflora 'Kaleidoscope'	--	14" spread		Dense, full matching specimens
	9	LeAnn™ Cleyera	Ternstroemia gymnanthera 'Contherann'	--		30"min.	Dense, matching specimens, full to ground
	51	Little Richard Abelia	Abelia x grandiflora 'Little Richard'	--	18" spread		Dense, matching specimens, full to ground
SYMBOL	QTY	COMMON NAME	BOTANICAL NAME	CONT	SPACING	REMARKS	
GROUND COVERS							
	22,478 sf	Artificial turf (see notes)	-- -- --	Solid Turf			
	471	Happy Returns Daylily	Hemerocallis x `Happy Returns`	1 gal	18" on centers	Min. 4 pips per pot	
	58,098 sf	Tifway 419 Bermudagrass	Cynodon dactylon x transvaalensis 'Tifway 419'	sod			

ARTIFICIAL TURF NOTES:

CONTRACTOR SHALL PROVIDE ARTIFICIAL TURF IN THE AREAS SHOWN ON THE PLAN. ARTIFICIAL TURF INSTALLAER SHALL HAVE AT LEAST THREE (3) YEARS' EXPERIENCE INSTALLING ARTIFICIAL TURF IN THE NORTH MISSISSIPPI REGION AND MUST PROVIDE PROJECT REFERENCES FOR CONSIDERATION.

ACCEPTABLE MANUFACTURERS / PRODUCTS INCLUDE THE FOLLOWING, AND OTHERS AS SPECIFIED BY THE OWNER:

SYNTIPEDE 343 BY SYNLawn (www.syntilawn.com)
SUMMITPRO WITH SHINE BLOCK AND HEATBLOCK BY XGRASS (www.xgrass.com)
FUSION PRO BY FOREVERLAWN (www.foreverlawnlandscape.com)

SELECTED GRASS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS USING CONCRETE EDGING. SIDEWALKS SHALL FORM THE EDGE FOR THE PERIMETER OF THE TURF AREA, WITH WOOD EDGING INSTALLED AT THE TREES AND TRANSFORMER PLANTING AREAS SHOWN ON THE PLANS.

PLANTING SPECIFICATIONS

SECTION 32 9200

SODDING

PART 1 - GENERAL

1.01 QUALITY ASSURANCE

A. Qualifications of Workmen
Provide at least one person who shall be present at all times during execution of this portion of the work and who shall be thoroughly familiar with the type of materials being installed and the best methods for their installation and who shall direct all work performed under this Section.

B. Approvals and Rejection of Materials and Work
1. The selection of all materials and execution of all preparations required under the Drawings and Specifications shall be subject to the approval of the Owner's Representative.
2. The Owner's Representative shall have the right to reject any and all materials, any and all work, which in his opinion does not meet the requirements of the Specifications or Drawings at any stage of the operations. All rejected materials shall be removed from the site and shall not be discarded on adjacent sites.
3. The Contractor shall notify the Owner's Representative at least 48 hours in advance of the time he intends to begin sodding and shall not proceed with such work until permission to do so has been granted by the Owner's Representative. Before starting the sodding operations on any area, final dressing shall have been completed.
4. All sodding and related operations shall be continuous operations.
5. Do not proceed with lawn preparation when ambient air temperature is below 32 degrees Fahrenheit.

C. Maintenance of Site During Planting
1. Sidewalks, roads and other pavement adjacent to planting operation shall be kept clean and free from obstructions, mud and debris at all times. Wheels of vehicles used in work shall be cleaned if necessary. Flushing of streets or disposal of dirt or debris into sewers or drainage ditches will not be permitted. Dust shall be controlled by approved means to the satisfaction of the Owner's Representative.
2. Provide hose and lawn watering equipment as required.

1.02 PLANT AVAILABILITY
All sod specified shall be located and certified available to be installed following completion of the related work.

1.03 PRECAUTIONS
Locate underground utilities and drainage lines on the site with flags or similar markings prior to excavating or driving stakes. Take proper precautions to prevent damaging or disturbing these improvements. Contractor is responsible for damage or dislocation by his company.

1.04 WARRANTY PERIOD
A. Six months after final completion of maintenance period, lawn shall be solid color, well matted, and reasonably free from weeds.
B. Initial acceptance of the sodded areas shall coincide with substantial completion acceptance of the project.
C. Inspection for Beginning of Warranty Period
1. Inspection of the planting work, to determine its completion for beginning the guarantee period, will be made by the Owner's Representative, and given approval in writing upon notice requesting such inspection by the Contractor,
2. Any delay in completion of planting operations which extends the planting into more than one planting season shall extend the warranty period correspondingly.
3. Contractor shall not be held responsible for failures due to neglect by Owner, vandalism, etc., during warranty period. Report such conditions to Owner's Representative in writing.
D. Final Inspection and Replacements
Inspection of the planting to determine its final acceptance will be made at the conclusion of the warranty period by the Owner's Representative. No grass shall be accepted unless the area shows a uniform, healthy stand of grass.

1.05 PRODUCT HANDLING
A. DELIVERY AND STORAGE
1. Insofar as is practicable, sod shall be laid the day of delivery. In the event that this is not possible, the Contractor shall protect the sod not laid by placing it in a shaded area.
2. Sod that cannot be laid immediately on delivery shall be kept well watered and shall not remain unplanted for longer than 48 hours after delivery to the site.

PART 2 - PRODUCTS

2.01 SOD
A. Sod shall be cleanly cut in rolls having a reasonably uniform thickness of not less than 1 inch and a uniform width.
B. Sod shall consist of live, dense, well rooted growth of 419 Tifway bermuda, free from Johnson grass, nut grass and other noxious grasses and weeds.

2.02 MISCELLANEOUS MATERIALS
A. Topsoil
Fertile, friable, natural topsoil of a loamy character without admixture of clay, hardpan, mulch, marl, shell or fine sand and capable of sustaining vigorous plant growth. It shall contain a normal amount (5-8%) of decomposed organic matter and shall be free of stones, lumps, plants or their roots, or seeds, sticks and other extraneous matter and shall contain no substance or material inhibitory to plant growth. The results of soil tests by the Contractor shall show that topsoil pH is between 5 and 7 and that topsoil is free of excessive soluble salts at time of use.
B. Amendments
1. Fertilizer / inoculant: MycoApply® All Purpose Granular inoculum as manufactured by Mycorrhizal Applications, Inc., PO Box 1029, Grants Pass, Oregon 97528, Phone 866-476-7600, FAX 541-476-1571, or other approved endomycorrhizae / organic fertilizer.
2. Agriculture Limestone: Agriculture limestone shall contain not less than 85% of calcium carbonate and magnesium carbonate combined and shall be crushed so that at least 85% will pass the No. 10 mesh sieve.
3. Water: The Contractor shall make out his expense, whatever arrangement may be necessary to ensure an adequate supply of water to meet the needs of his project. Water shall be free from any harmful or objectionable organisms, seed or other materials.

PART 3 - EXECUTION

3.01 SODDING METHOD
A. The area to be sodded shall be brought to the lines and grades shown on the plans or as directed by the Owner's Representative. The surface of the ground to be sodded shall be loosened to a depth of not less than 1 inch with a rake or other device. The ground shall be sprinkled with water until saturated for a minimum depth of 1 inch and kept moist until the sod is placed.
B. Immediately before placing the sod, fertilizer/inoculant and lime shall be applied uniformly to the prepared surface of the ground. Fertilizer/inoculant shall be applied at the rate of 10 pounds per 1,000 square feet. Agricultural limestone shall be applied at the rate of 75 pounds per 1,000 square feet or as directed by soil test recommendations.
C. Sod shall be placed as soon as practical after removal from the point of origin and shall be kept in a moist condition during the interim. The sod shall be carefully placed by hand on prepared ground surface with the edges in close contact and as far as possible in a position to break joints.
D. Immediately after placing the sod, it shall be thoroughly wetted and rolled with an approved roller or hand tamped as approved by the Owner's Representative. On sloped of 2 to 1, or steeper, pinning or pegging is required to hold the sod in place.

3.02 CARE DURING CONSTRUCTION
A. All sodded areas shall be cared for properly to the Owner's Representative's satisfaction until acceptance of the work. Such care shall include watering and mowing the sodding areas when required by Section 3.03. When mowing is required, mower blades shall be set at sufficient height to protect the vitality of the growth.
B. Surfaces gullied, eroded areas, or any damaged areas found following sodding shall be repaired by regrading and resodding as directed by the Owner's Representative.
C. The Contractor shall regrade, re-fertilize, and re-sod any or all sodded areas as directed by the Owner's Representative to correct any unsatisfactory and unacceptable conditions as determined by the Owner's Representative regardless of who may have caused the unacceptable or unsatisfactory area.
D. The Contractor shall be responsible for protecting his work at all times and shall erect temporary barricades to do so.

3.03 MAINTENANCE
A. General
1. Maintain, protect and care for newly sodded lawns until a healthy, uniform, close stand of grass is established free of weeds, bare spots or surface irregularities. Sodded areas will not be accepted prior to substantial completion of project.
2. Maintenance period for newly sodded areas shall not be less than a period of 60 calendar days.
3. If the 60 day period has not elapsed by November 15, the maintenance period shall be suspended and shall recommence on March 30 until the full 60 days plus 30 days have been accepted.
4. Maintenance requirements include: mowing, spraying for weeds, insects and disease for a minimum period of 60 days and until all surfaces irregularities do not exceed 2% of the area. Water as required to maintain adequate moisture in top 4" of topsoil and when directed by Owner's Representative.
5. Mow when grass height exceeds 2".
6. Immediately sod any areas that show bare spots.

3.04 INSPECTIONS
A. Inspections to determine acceptance of warranty period of sodded areas will be made by the Owner's Representative upon Contractor's request at completion.
1. Lawn areas will be acceptable provided all requirements including maintenance have been complied with, and a healthy uniform, closed stand of the specified grass is established free of weeds, undesirable grass species, disease and insects.
B. Upon written notice of final acceptance of maintenance period, the Owner will assume lawn maintenance and 6 month warranty period will begin.

END OF SECTION

SODDING SPECIFICATIONS

REVISION		
ITEM NO.	DESCRIPTION OF CHANGE	APPROVAL DATE

REGISTERED LANDSCAPE ARCHITECT
ISOBEL R. RITCHIE
506
STATE OF MISSISSIPPI
3/6/2024

PHASE 2
TOP OF THE SIP P.D.
DEVELOPER: SMJ ENTERPRISE, LLC
ENGINEER: FISHER ARNOLD

SITE BENCH MARK – PK NAIL SET IN PAVEMENT AT THE MID–POINT OF CURBING IN PARKING LOT ON THE EAST SIDE OF SNOWDEN LANE – ELEVATION = 374.24.

SHEET 1 OF 1
DIVISION OF ENGINEERING

LANDSCAPE SPECIFICATIONS
SNOWDEN LN., 763' NORTH OF MAY BLVD.
SOUTHAVEN, MISSISSIPPI

SURVEY:	HARRIS & ASSOC.	DATE:	10/23	PROJECT NO.:	SMJENTPR 0009LD
DESIGN BY:	FA	DATE:	11/23	TASK NO:	
DRAWN BY:	FA	DATE:	02/24	SCALE:	

REVIEWED BY:

CITY ENGINEER _____ DATE _____

City of Southaven
Office of Planning and Development
Subdivision Staff Report

Date of Hearing:	May 20, 2024
Public Hearing Body:	Planning Commission
Applicant:	SMJ Enterprises 8275 Tournament Drive Suite 100 Memphis, TN 38125 901-440-1370
Total Acreage:	2.22 acres
Existing Zone:	Planned Unit Development (Ross Family)
Location of Subdivision Application	South side of Church Road east of Hwy. 51
Comprehensive Plan Designation:	Commercial

Staff Comments:
The applicant is requesting subdivision approval for Top of the Sip Phase 3 lot 5 on the west side of Snowden Lane, north of May Blvd. This phase consists of one lot with 4.435 acres of property. There is a continuation of a shared ingress/egress on the south end of the lot which was previously recorded with Phase 1. The right of way dedication and improvements are being addressed by the applicant and city simultaneously with this application and there is nothing further needed at this time.

Staff Recommendations:
Staff has no comments and recommends approval as submitted.

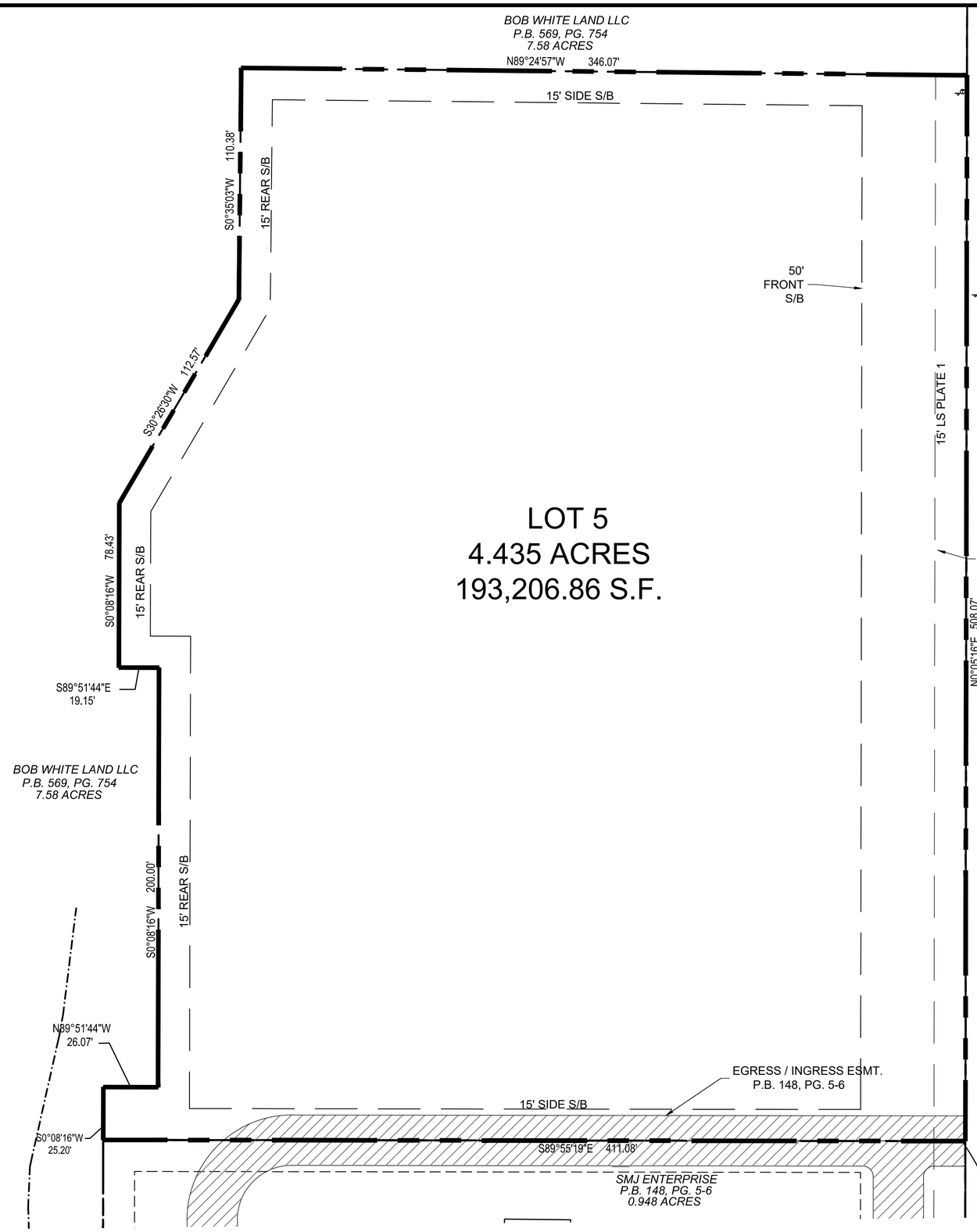
ArcGIS Web Map

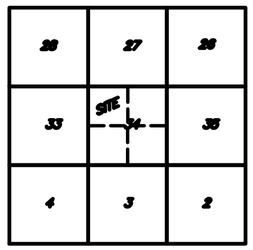
5/2/2024, 10:50:59 AM

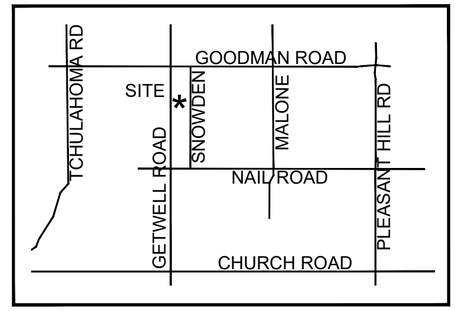
1:6,203

0 0.05 0.1 0.2 mi

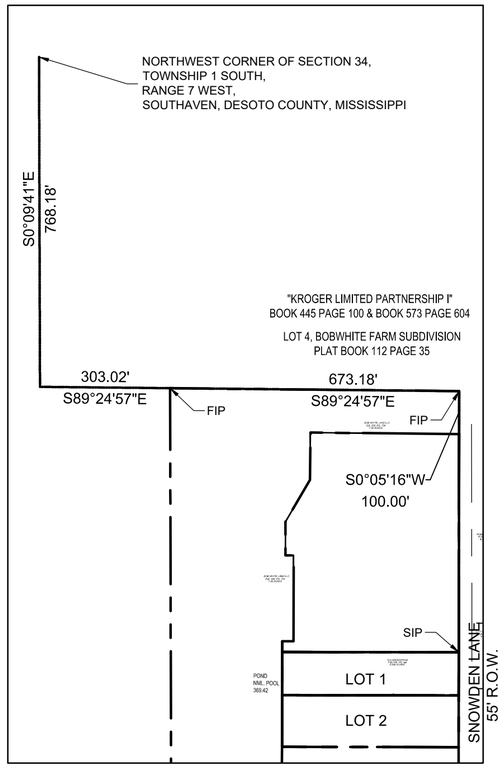
0 0.1 0.2 0.4 km

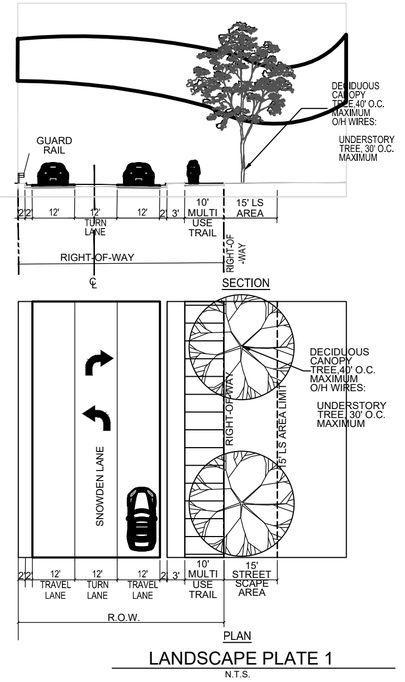






VICINITY MAP NTS





LANDSCAPE PLATE 1
N.T.S.

FINAL PLAT
PHASE 3
LOT 5
TOP OF THE SIP P.D.

SECTION 34,TOWNSHIP 1 SOUTH, RANGE 7 WEST
SOUTHAVEN, MISSISSIPPI

ZONING: COMMERCIAL
SCALE: N.T.S.
MAY, 2024
TOTAL AREA: 2.085 AC. ; TOTAL LOTS: 2

SITE BENCH MARK – PK NAIL SET IN PAVEMENT AT THE MID–POINT OF CURBING IN PARKING LOT ON THE EAST SIDE OF SNOWDEN LANE – ELEVATION = 374.24.

GRAPHIC SCALE
(IN FEET)
40 0 20 40 80 160
1 inch = 40 ft.

DEVELOPER:
SMJ ENTERPRISE, LLC
8275 TOURNAMENT DRIVE, SUITE 100
MEMPHIS, TN 38125

FISHER ARNOLD
ENGINEERS | ARCHITECTS | CONSULTANTS | PLANNERS
9180 Crestwyn Hills Drive | Memphis, Tennessee 38125-8538
907.748.1811 | Fax: 901.748-3115 | wwwfisherarnold.com

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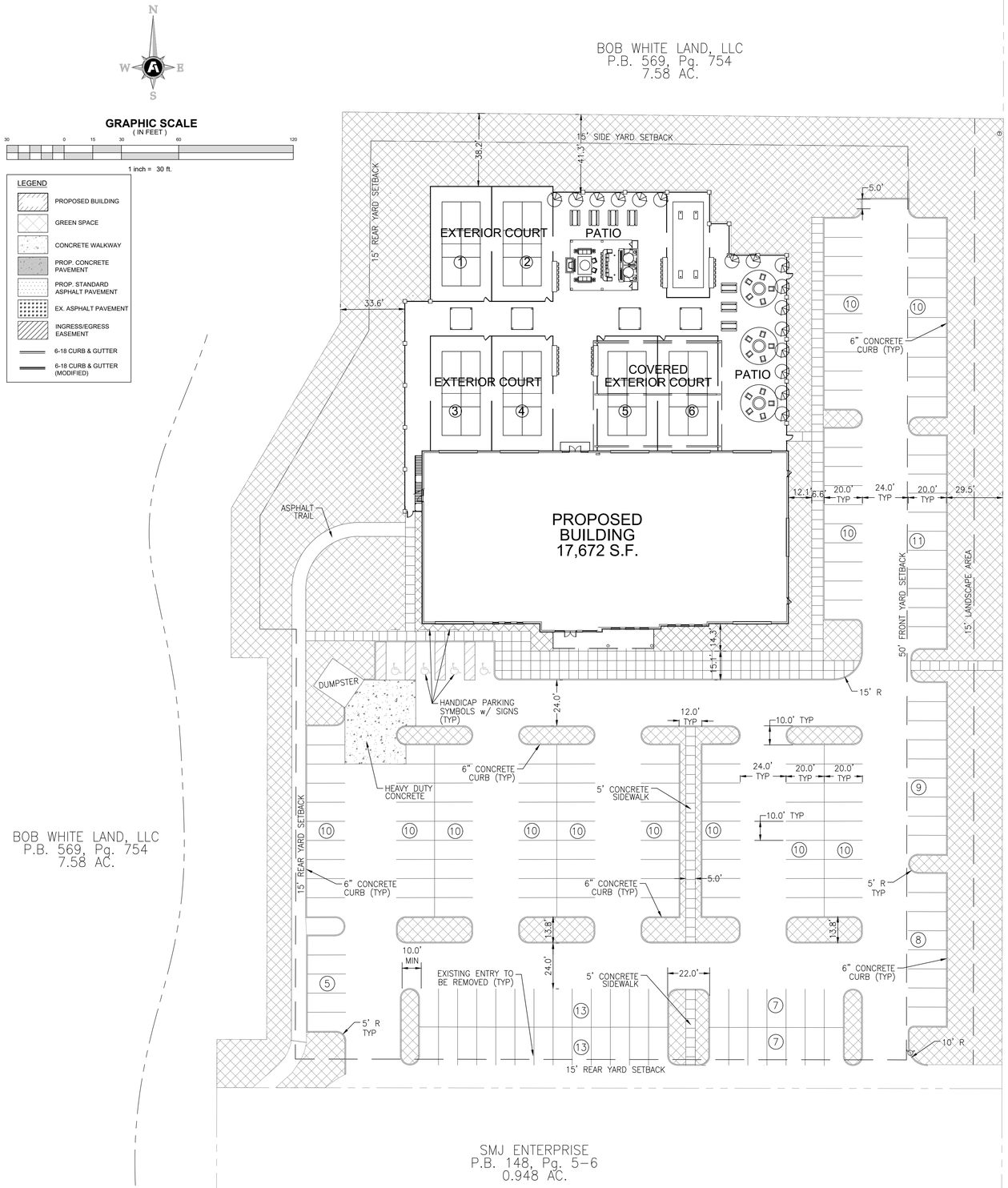
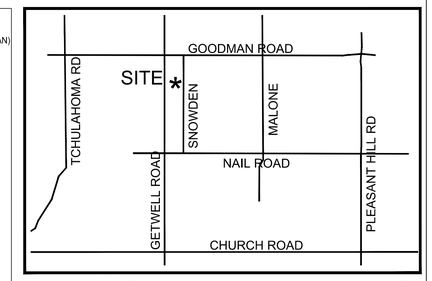
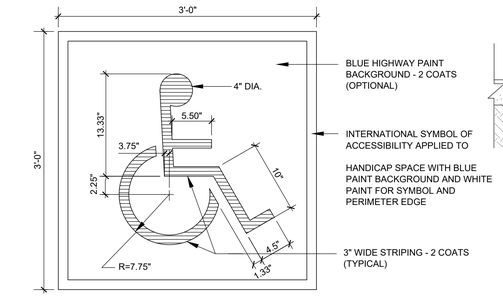


SITE DATA		PARKING DATA	
TOTAL AREA	4.435 AC. (193,206.86 SF)	TYPICAL: 8'x20'; 5'x20' LOADING AREA FOR ADA (8'X20' LOADING FOR VAN)	
PERVIOUS AREA	1.36 AC. (59,366 SF)		
% PERVIOUS AREA	30.7%	MINIMUM PARKING SPACES REQUIRED	149
BLDG. AREA (SF)	17,672 SF	(BUILDING BASED ON 1/200 SF OF GROSS AREA)	89
F.A.R.	9.1	(BASED ON 6 PER COURT)	60
BUILDING SETBACKS		TOTAL PARKING SPACES PROVIDED	197
FRONT	50 FT.		
SIDE	15 FT.		
REAR	15 FT.		

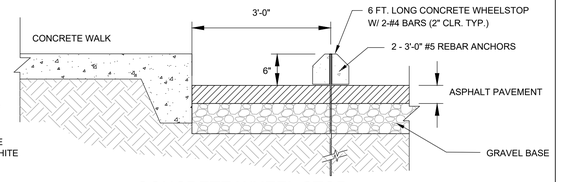
NOTE: THERE WILL BE RECIPROCAL AGREEMENT FOR ACCESS AND USE OF ALL PARKING ASSOCIATED WITH BOTH LOTS.



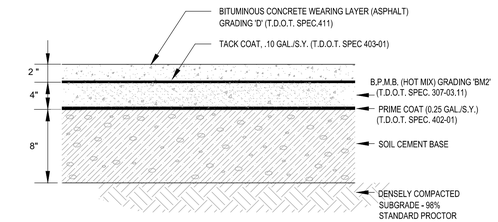
VICINITY MAP NTS



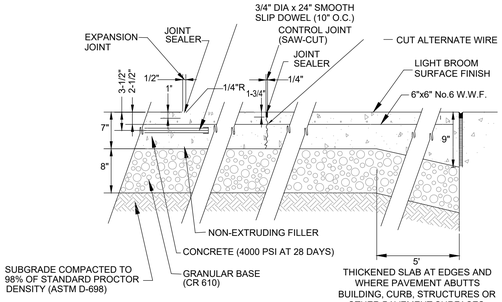
INT. SYMBOL OF ACCESSIBILITY
N.T.S.



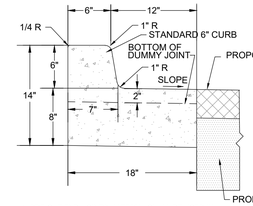
CONCRETE WHEEL STOP
N.T.S.



STANDARD DUTY ASPHALTIC PAVEMENT
N.T.S.



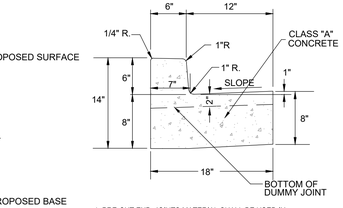
CONCRETE PAVEMENT SECTION (DUMPSTER PAD)
N.T.S.



1. PRE-CUT EXP. JOINTS MATERIAL SHALL BE USED IN ALL EXP. JOINTS.
2. DUMMY JOINTS SHALL BE INSTALLED AT 10 FT. INTERVALS, MAXIMUM.
3. EXP. JOINTS SHALL BE INSTALLED AT 30 FT., MAXIMUM.
4. EXP. JOINTS SHALL BE INSTALLED AT ENDS OF RADIUS.
5. EXP. JOINTS SHALL BE LOCATED A MINIMUM OF 5 FT. FROM INLET STRUCTURES.

CONC. TO BE 4,000 PSI

6 - 18 CURB & GUTTER (STANDARD)
N.T.S.



1. PRE-CUT EXP. JOINTS MATERIAL SHALL BE USED IN ALL EXP. JOINTS.
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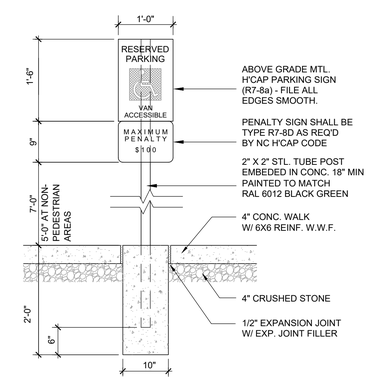
4. EXP. JOINTS SHALL BE INSTALLED AT ENDS OF RADIUS.
5. EXP. JOINTS SHALL BE LOCATED A MINIMUM OF 5 FT. FROM INLET STRUCTURES.

CONC. TO BE 4,000 PSI

6-18 CURB & GUTTER (MODIFIED)
N.T.S.

NOTES

STANDARD 6-18 CURB & GUTTER WILL BE CONSTRUCTED EXCEPT IN THOSE LOCATIONS SPECIFIED AS MODIFIED 6-18 CURB & GUTTER. TRANSITION FROM ONE TO THE OTHER A MINIMUM OF FIVE (5) LINEAR FEET.



HANDICAP PARKING SIGN
N.T.S.

REVISION		
ITEM NO.	DESCRIPTION OF CHANGE	APPROVAL DATE

PHASE 3 - LOT 5

TOP OF THE SIP P.D.

DEVELOPER: SMJ ENTERPRISE, LLC
ENGINEER: FISHER ARNOLD

SITE BENCH MARK – PK NAIL SET IN PAVEMENT AT THE MID–POINT OF CURBING IN PARKING LOT ON THE EAST SIDE OF SNOWDEN LANE – ELEVATION = 374.24.

SHEET 1 OF 1
DIVISION OF ENGINEERING

SITE LAYOUT

SNOWDEN LN. 1678' NORTH OF MAY BLVD.
SOUTHAVEN, MISSISSIPPI

SURVEY: HARRIS & ASSOC. DATE: 10/23 PROJECT NO.: SMJENTPR
DESIGN BY: FA DATE: 04/24 TASK NO: 0011LD
DRAWN BY: FA DATE: 04/24 SCALE: 1" = 30'

REVIEWED BY:

CITY ENGINEER DATE

Copyright 2024 Fisher & Arnold, Inc., all rights reserved
Filename: Z:\SMJENTPR\0011LD\planning\plans\SITE LAYOUT.dwg
Layout Name: SITE LAYOUT
Plotted: Tuesday, April 30, 2024 - 10:38 am
By: dbowler

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City of Southaven

Office of Planning and Development
Design Review Staff Report

Date of Hearing:	May 20, 2024
Public Hearing Body:	Planning Commission
Applicant:	SMJ Enterprises 8275 Tournament Drive Suite 100 Memphis, TN 38125 901-440-1370
Total Acreage:	4.435 acres
Existing Zone:	Planned Unit Development (Top of Sip)
Location of Design Review Application	West side of Snowden Lane, north of May Blvd.
Comprehensive Plan Designation:	Commercial

Staff Comments:

The applicant is requesting design review approval for a mixed use development in the Top of Sip Subdivision Phase 3 lot 5 on the west side of Snowden Lane, north of May Blvd.. The following items were submitted:

Building Elevations:

The applicant is proposing a mixture of materials for the indoor/outdoor recreational building including two (2) different brick colors and three (3) metal panels with color variations. The buildings have been shown segmented via materials to break up the long façade of the elevations and has similar elements to the exterior which complement the design of Phase 2's buildings. The palette is a mixture of traditional red brick and shades of gray and aged copper. The roofline is a slanted tilt standing seam metal roof in a dark charcoal gray. Additionally, the applicant has provided several types of windows and canopies/awnings to provide more diversity to the buildings.

Landscaping:

This site has submitted a very extensive mixture of materials proposed for landscaping including:

PLANT SCHEDULE

	QTY	COMMON NAME	BOTANICAL NAME	CONDITION	CAL	SIZE
TREES						
	15	Armstrong Freeman Maple	Acer x freemanii 'Armstrong'	B & B	3.5"Cal	
	10	Burk Eastern Redcedar	Juniperus virginiana 'Burkii'	B & B		6-7' ht.
	30	Emerald Sentinel™ Eastern Redcedar	Juniperus virginiana 'Corcorcor'	B & B		6-7' ht.
	12	Little Gem Dwarf Southern Magnolia	Magnolia grandiflora 'Little Gem'	B & B		6-7' ht.
	12	Musashino Zelkova	Zelkova serrata 'Musashino'	B & B	2.5"Cal	
	10	Oak Leaf™ Holly	Ilex x 'Conaf'	B & B		6-7' ht.
	19	October Glory Maple	Acer rubrum 'October Glory' TM	B & B	2.5"Cal	
	8	Paperbark Maple	Acer griseum	B & B	2.5"Cal	
	4	Shademaster Honey Locust	Gleditsia triacanthos inermis 'Shademaster'	B & B	2.5"Cal	
	5	Shumard Red Oak	Quercus shumardii	B & B	2.5"Cal	
	28	Taylor Eastern Redcedar	Juniperus virginiana 'Taylor'	B & B		6-7' ht.
	5	Teddy Bear® Southern Magnolia	Magnolia grandiflora 'Southern Charm'	B & B		6-7' ht.
	12	Wildfire Black Tupelo	Nyssa sylvatica 'Wildfire'	B & B	2.5"Cal	
	QTY	COMMON NAME	BOTANICAL NAME	CONDITION	SPR.	HT.
SHRUBS						
	293	Df. Japanese Holly	Ilex crenata 'Compacta'	–		24"
	33	Dwarf Yaupon Holly	Ilex vomitoria 'Nana'	–		18"min.
	49	Encore® Azalea	Azalea x 'Conlet'	–	18" spread	
	38	Green Mountain Boxwood	Buxus x 'Green Mountain'	–		24"min.
	92	Grey Owl Juniper	Juniperus virginiana 'Grey Owl'	–	18" spread	18"min.
	81	Hameln Fountain Grass	Pennisetum alopecuroides 'Hameln'	2 gal		
	12	Kaleidoscope Glossy Abelia	Abelia x grandiflora 'Kaleidoscope'	–	14" spread	
	9	LeAnn™ Cleyera	Ternstroemia gymnanthera 'Contherann'	–		30"min.
	51	Little Richard Abelia	Abelia x grandiflora 'Little Richard'	–	18" spread	
SYMBOL	QTY	COMMON NAME	BOTANICAL NAME	CONT	SPACING	REMARKS
GROUND COVERS						
	22,478 sf	Artificial turf (see notes)	---	Solid Turf		
	471	Happy Returns Daylily	Hemerocallis x 'Happy Returns'	1 gal	18" on centers	Min. 4 pips per pot
	58,098 sf	Tifway 419 Bermudagrass	Cynodon dactylon x transvaalensis 'Tifway 419'	sod		

The landscape plan submitted is extensive and the proposed layout and mixture of each planting bed provides so much detail that a descriptive narrative in this report would not do it justice. Staff refers to the detailed plan and the specs shown above as a compliant submittal.

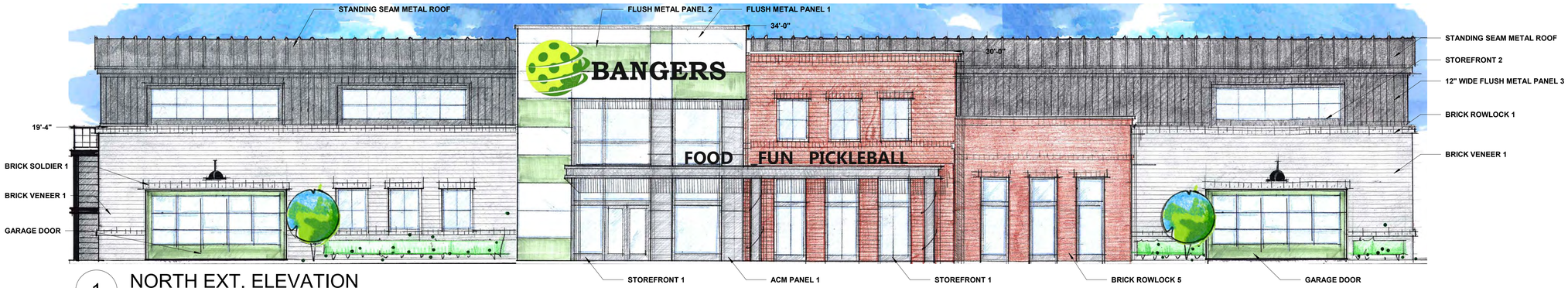
The photometric plan shows multiple specs for lighting on site with the decorative lighting showing a slick pole in an aged copper finish to compliment the building materials.

Staff Recommendations:

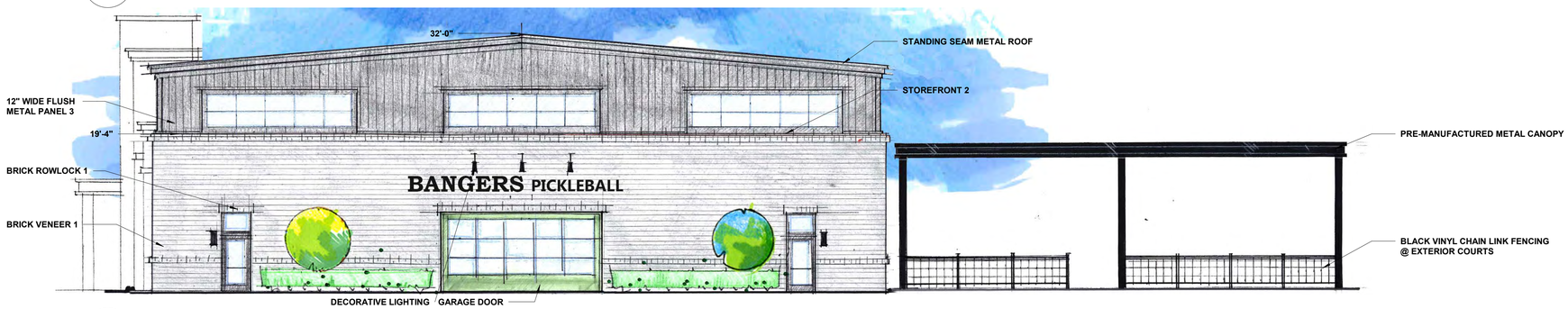
Staff likes the proposed materials and the break-up of those materials on the building. Staff only comment would be to ensure that the materials on both this section as well as the section to the north not only utilize materials that match well with each other but also to incorporate materials that have already been approved in Phase 1 so that all the phases flow together well. The conceptual design submitted should allow for some flexibility in the breakup of the materials similar to how Silo Square mixed use buildings were approved.

The landscape material list is extensive, and staff appreciates the diversity. The applicant should ensure that the shrubs proposed have a minimum of five (5) gallons in planting size. The remainder of the materials meet the minimum criteria.

Staff has no further comments and recommends approval.



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



2 EAST EXT. ELEVATION
1/8" = 1'-0"

3 WEST. EXT. ELEVATION
1/8" = 1'-0"

4 SOUTH EXT. ELEVATION
1/8" = 1'-0"

EXTERIOR MATERIALS LEGEND

BRICK VENEER 1
MANUFACTURER - BELDEN
FINISH - SMOKY GRAY
MORTAR - ASH GROVE STANDARD WHITE

BRICK VENEER 5
MANUFACTURER - COLUMBUS
FINISH - ANNADALE
MORTAR - ASH GROVE PRO WHITE

ACM PANEL 1
MANUFACTURER - ALUCOBOND
COLOR - ANODIC CLEAR

ALUMINUM STOREFRONT 1 -
MANUFACTURER - TUBELITE
COLOR - CLEAR ANODIZED

ALUMINUM STOREFRONT 2 -
MANUFACTURER - TUBELITE
COLOR - CHARCOAL

METAL CANOPY -
MANUFACTURER - PACCLAD
COLOR - BLACK

STANDING SEAM METL ROOF -
MANUFACTURER - PACCLAD
COLOR - CHARCOAL

FLUSH METAL PANEL 1 -
MANUFACTURER -
COLOR - BONE WHITE

FLUSH METAL PANEL 2 -
MANUFACTURER -
COLOR - AGED COPPER

FLUSH METAL PANEL 3 -
MANUFACTURER -
COLOR - CHARCOAL

GARAGE DOOR -
MANUFACTURER -
COLOR - AGED COPPER

CEDAR PLANKS -
STAIN - NATURAL

CITY OF SOUTHAVEN - DESIGN REVIEW

05/01/2024

TOP OF THE SIPP - PICKLEBALL

SOUTHAVEN, MISSISSIPPI

Renaissance Group
9700 Village Circle, Ste 100
Lakeland, TN 38002
901.332.5533

City of Southaven
Office of Planning and Development
Design Review Staff Report

Date of Hearing:	May 20, 2024
Public Hearing Body:	Planning Commission
Applicant:	Bohler Engineering TN, LLC 209 10th Avenue S Suite 534 Nashville, TN 37203 629-235-4040
Total Acreage:	0.97 acres
Existing Zone:	Planned Commercial
Location of Design Review Application	Northwest corner of Goodman Road and Malone Road
Comprehensive Plan Designation:	Commercial

Staff Comments:

The applicant is requesting design review approval for a KFC in the Shops of Southaven Commercial Subdivision. The following items were submitted:

Building Elevations:

The applicant is proposing the exterior wall façade to be constructed of EIFS in two shades including Paper White and Exotic Red and fiber cement siding shown in Black Jack. The fiber cement is shown across the main storefront and partially wrapping both sides of the front elevation. The gray EIFS (Paper White) is used for most of the remaining façade with the red selectively being used for an accent wall and encasing the entry way. There is a small portion of panel wood being shown at the storefront for advertising information. The entire roofline has a black accent band and there are several areas shown with painted stencil accents which help break up the wall. The roof line is a raised parapet single line elevation. The awnings are shown at red metal with exposed cable lines. The storefronts are shown in aluminum and large anodized window lines.

Landscaping:

This site has a mixture of materials proposed for landscaping including:

Shade trees: Southern Red Oak @ 3" caliper
Ornamental trees: Carolina Laurel Cherry and Kousa Dogwood @ 2" caliper.
Shrubs: Dwarf Yaupon holly and flowering Jasmine @ 18"-24" minimum
Additional plantings include: Bermuda sod

The applicant has scattered six (6) red oaks throughout the site on both sides and along the Goodman Road frontage. In addition to the red oaks, the applicant is showing a double staggered row of the holly along the frontage and a group of four (4) dogwoods. Along the east side of the site there is a single row of the holly in addition to the red oaks. Around the dumpster enclosure the applicant is showing a tight line of the Laurel cherry evergreens and on the west side of the building along the drive thru lane there is a single row of the flowering Jasmine. A small flower bed is shown on the eat side of the building in the parking median at the entrance area.

The photometric submittal shows several different fixtures for the site including wall mounted lighting and standard parking lot LED lights. There are no decorative lights submitted with the package.

Staff Recommendations:

Staff is agreeable with the color palette for the building; however, there is entirely too much EIFS and at minimum the applicant needs to revise the wainscot area to incorporate a masonry material to meet the minimum requirements. It would be staff's suggestion that the wainscot area use a gray textured brick so that the color palette remains the same. It is also the recommendation of staff that the applicant vary the height of the roofline some to give further depth to the building especially down the sides while also adding in more of the wood element down these sides to tie in the overall look of the building. Staff likes the stenciled elements shown and can approve those as part of the design package but the signage will need to be reviewed individually by the OPD staff.

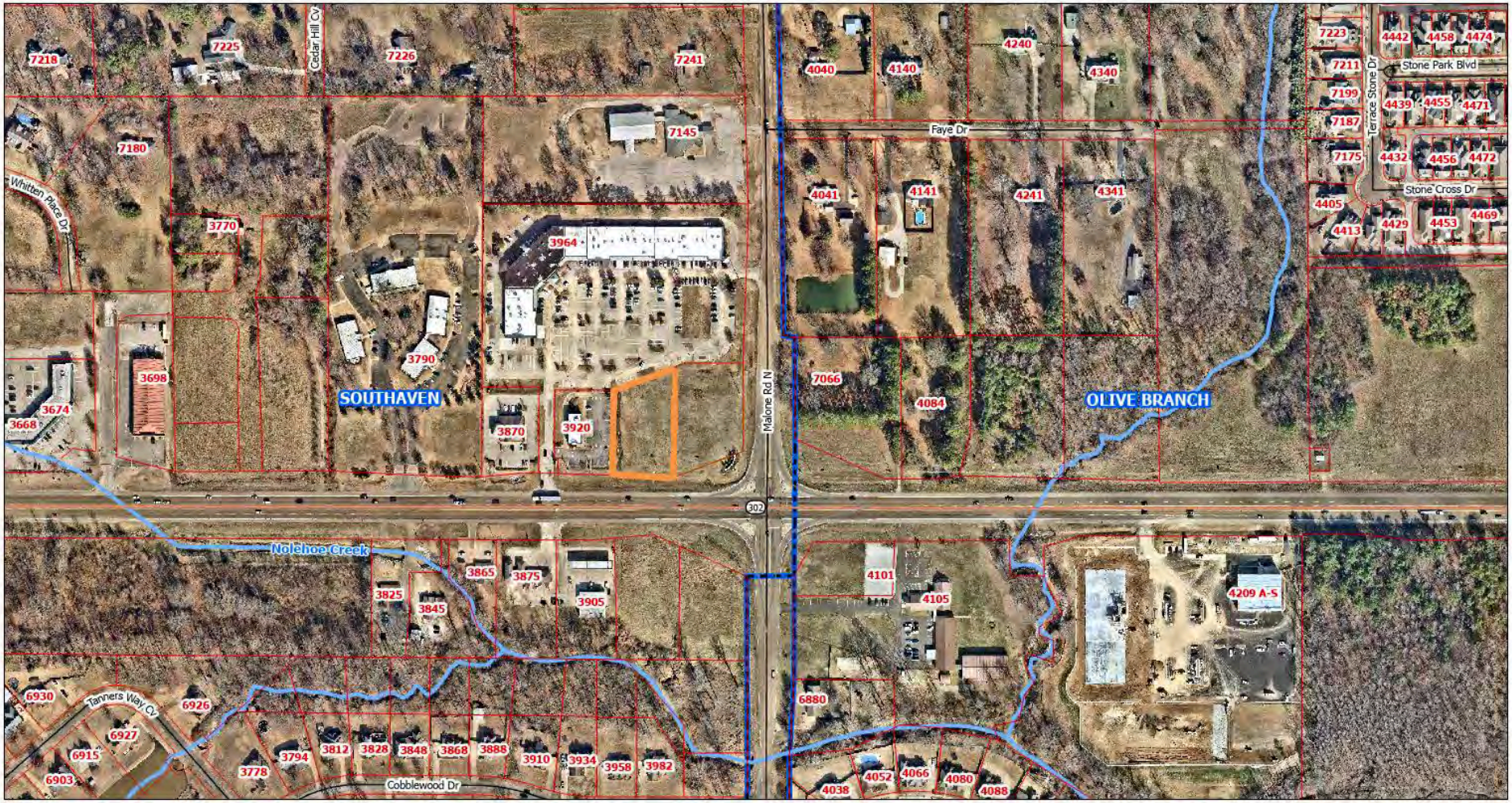
The applicant has submitted signage as part of this application; however, it will be reviewed by administrative staff at the appropriate time.

The landscape is appropriately sized, and the materials are agreeable; however, staff would like to see more around the building perimeter to soften the site. The small flower bed along the frontage should be increased in size and carried around the front of the building since there is no accessibility on this elevation. Also the spacing of the dog woods on the streetscape should make more sense so staff would ask that the applicant provide a more symmetrical planting for this area.

The lighting specs are agreeable; however, as with all new developments, decorative lights are required. Staff would suggest that the applicant use one on the inside of the planting bed at the entry area and another one on the opposite end of the parking adjacent to the building next to the drive thru area so compliment the elevations.

Staff has no further comments.

ArcGIS Web Map



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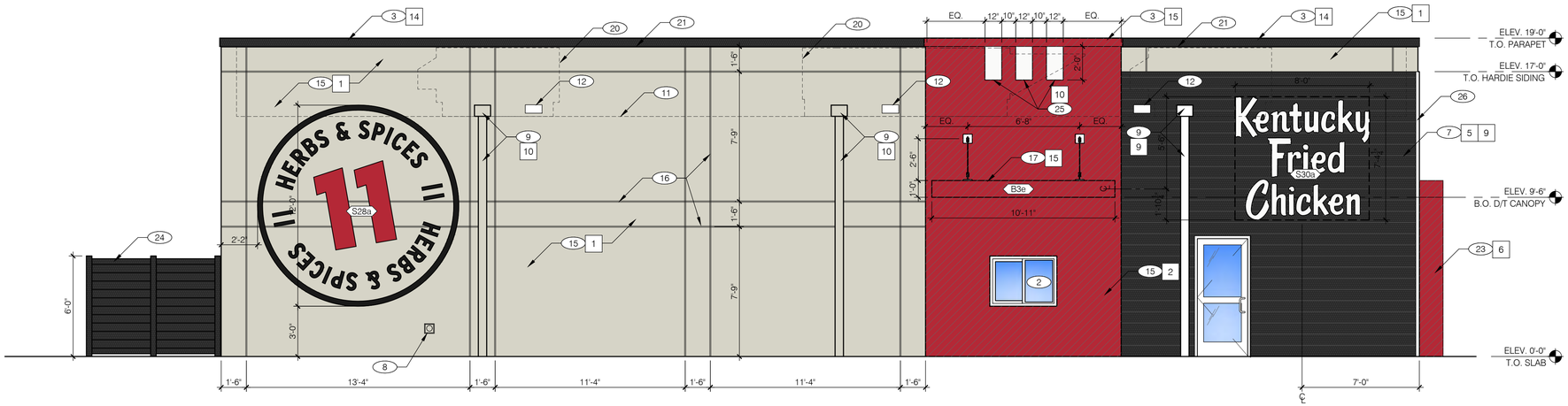


NOTE:
SIGNAGE AND BUILDING ELEMENTS ARE SHOWN FOR REFERENCE ONLY.
REFER TO 'VENDOR SUPPLIED / INSTALLED ELEMENTS' GENERAL NOTE; THIS SHEET.

DRIVE-THRU ELEVATION 1/4"=1'-0" | **A**

SYMBOL	EXTERIOR WALL AREA	MANUFACTURER	DESCRIPTION	NOTES
EIFS				
1 ef-1	GREY EIFS 1.5"	STO CORP.	MATCH BM PAPER WHITE 1590	
2 ef-2	RED EIFS 1.5"	STO CORP.	MATCH BM EXOTIC RED 2086-10	
3 ef-3	BLACK EIFS 3" (ALTERNATE)	STO CORP.	MATCH BM BLACK JACK 2133-20	EIFS ALTERNATE FOR fc-1 PROVIDE 3/4" HOIZONTAL V-GROOVE SCORING 9' APART.
EXTERIOR CLADDING				
5 fc-1	FIBER CEMENT SIDING - HORIZ. SHIPLAP ON 2x2 FURRINGS W/ 1/2" PLYWOOD	JAMES HARDIE	ARTISAN SHIPLAP SIDING WITH MATCHING 2.5" TRIM PAINTED p-9	www.jameshardie.com Hardie Artisan Siding - Shiplap 9" Exposure
6 ac-1	ACM PANELS	ALPOLIC	MATCH BM EXOTIC RED 2086-10	
PAINT				
7 p-1	RED EXTERIOR PAINT	BENJAMIN MOORE	BM EXOTIC RED 2086-10	
8	NOT USED			
9 p-9	BLACK EXTERIOR PAINT	BENJAMIN MOORE	BM BLACK JACK 2133-20	
10 p-10	GREY EXTERIOR PAINT	BENJAMIN MOORE	BM PAPER WHITE 1590	
WOOD				
11 sf-54	ACM PANEL, PRINTED	CUMMINGS RESOURCES	COLOR: KFC WOOD PATTERN	
12	NOT USED			
13	NOT USED			
METAL TRIM				
14 m-3	EXTERIOR METAL TRIM (BLACK)		MATCH BM BLACK JACK 2133-20	
15 m-1	EXTERIOR METAL TRIM (RED)		MATCH BM EXOTIC RED 2086-10	

EXTERIOR FINISH SCHEDULE | **F**

1. SECURITY DOOR. OWNER-SUPPLIED / G.C. INSTALL.
2. DRIVE-THRU WINDOW. SEE SHEET A2.1
3. PARAPET FASCIA CAP. COLOR AS NOTED.
4. CONCRETE CURB WITH BRAKEMETAL TO MATCH STOREFRONT. SEE DETAIL 1/A6.2.
5. ALUMINUM STOREFRONT WINDOW / DOOR SYSTEM. SEE SHEET A1.1.
6. WALL LIGHTING - LIGHTING VENDOR SUPPLIED / GC INSTALLED. SEE SHEET E4.0.
7. FIBER CEMENT SHIPLAP SIDING.
8. HOSE BIB - REFER TO PLUMBING DRAWINGS.
9. SCUPPER, COLLECTOR AND DOWNSPOUT 6" MIN. PAINT TO MATCH ADJACENT BUILDING COLOR.
10. SWITCHGEAR.
11. INDICATES TOP OF ROOF DECK.
12. OVERFLOW SCUPPER.
13. GAS METER. DO NOT PAINT METER.
14. PRINTED METAL PANEL WITH BLACK TRIM. SEE DETAILS 14 & 15 / A6.2 AND FINISH SCHEDULE ON SHEET A7.2.
15. 1.5" EIFS - COLOR AS NOTED.
16. 3/4" EIFS V-GROOVE, TYP. SEE DETAIL 13/A6.0.
17. VENDOR SUPPLIED CANOPY. SEE DETAIL 2/A6.2.
18. STAINLESS STEEL CORNER GUARDS.
19. CONTINUOUS LINEAR ACCENT LIGHT FIXTURE - RED. REFER TO ELECTRICAL.
20. ROOFTOP EQUIPMENT - SHOWN DASHED FOR REFERENCE
21. CONTINUOUS LINEAR ACCENT LIGHT FIXTURE - WHITE. REFER TO ELECTRICAL.
22. ALIGN SIGN WITH EDGE OF CANOPY.
23. EYEBROW CANOPY AND VERTICAL ELEMENT WITH ACM PANELS. SEE DETAIL 6/A6.2.
24. VINYL FENCE: BUFFTECH - HYDE PARK OR EQUAL. COLOR: MATTE BLACK.
25. PAINTED STRIPING AS INDICATED.
26. 2.5" FIBER CEMENT TRIM TO MATCH PLANKS.
27. BLACK POWDER COATED POSTER FRAME. SEE RESPONSIBILITY SCHEDULE ON SHEETS T1.1 & T1.2. PROVIDE BLOCKING IN WALL TO ACCOMODATE BRACKETS.
28. 2" AND 6" METAL TRIM T0 MATCH P-5 BY ACM PANEL VENDOR. SEE 14/A6.2.

NOTE: NOT ALL KEY NOTES APPLY TO THIS SHEET

KEY NOTES | **G**

MISCELLANEOUS:

A. SEE SHEET A1.1 "WINDOW TYPES" FOR WINDOW ELEVATIONS.

B. SEE FINISH SCHEDULE ON SHEET A7.2 FOR MORE INFORMATION.

SEALERS:

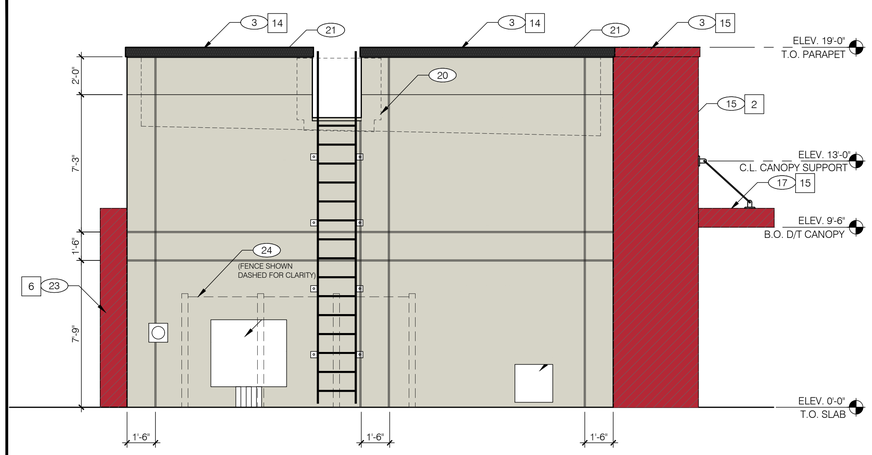
A. PROVIDE SEALANT PER MFR'S SPECIFICATIONS AT ALL WALL AND ROOF PENETRATIONS.

B. PROVIDE SEALANT PER MFR'S SPECIFICATIONS AT ALL STOREFRONT, STOREFRONT DOOR, WINDOW AND SERVICE DOOR FRAMES @ HEAD AND JAMB ONLY. DO NOT SEAL SILL AT WINDOWS.

VENDOR SUPPLIED / INSTALLED ELEMENTS:

GC TO COORDINATE WITH VENDOR PROVIDED / VENDOR INSTALLED SIGNAGE AND BUILDING ELEMENTS.

GENERAL NOTES | **E**



REAR ELEVATION 1/4"=1'-0" | **B**

TAG	ITEM DESCRIPTION	SIGNAGE DIMENSIONS	SIGNAGE AREA	ELEC
B3e	DT WINDOW CANOPY - SIGNAGE VENDOR	N/A	N/A	YES
S39a	KFC CHANNEL LETTERS - WHITE (USE PROPORTIONAL SIZED BUCKET 60")	2'-6"H X 8'-2.3"W	20.5 S.F.	YES
S39b	KFC CHANNEL LETTERS - WHITE (ALTERNATE - USE PROPORTIONAL SIZED BUCKET 48")	2'-0"H X 6'-6.6"W	13.1 S.F.	YES
S28a	11 HERBS & SPICES - STENCIL (10 DEGREE ROTATION)	12'-0" DIA.	37.7 S.F.	NO
S30a	29.5" HIGH KENTUCKY FRIED CHICKEN WHITE STACKED LETTERS	8'-0"H X 7'-4.25"W	58 S.F.	NO
S31e	POSTER FRAME - ON DISPLAY	45"H X 27"W	8.44 S.F.	NO
S32a	ILLUMINATED BUCKET WITH COLONEL ONLY (STANDARD)	60" X 60"	25 S.F.	YES
S32b	ILLUMINATED BUCKET WITH COLONEL ONLY (ALTERNATE)	48" X 48"	16 S.F.	YES
S35a	IT'S FINGER LICKIN' GOOD STENCIL (RED LETTERS/BLACK SHADOW)	7'-6"H X 13'-5" W	100.7 S.F.	NO

NOTES:
1. FOR WINDOW DECALS AND SIGNAGE, REFER TO INTERIOR ELEVATIONS SHEET A8.0 AND SIGNAGE SCHEDULE ON SHEET A7.2.
2. REFER TO GRAPHICS PACKAGE FOR ADDITIONAL INFORMATION.

EXTERIOR GRAPHICS | **C**

BASE
brand studio
150 HUDDLESTON ROAD, STE 1000
PEACHTREE CITY, GA 30269
1900 MAITLAND AVENUE
ALTAMONTE SPRINGS, FL 32701
470-264-0153

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PLAN SET ISSUE / REVISION HISTORY

100% APPROVAL SET	XX.XX.XXXX
1 .	XX.XX.XXXX

ARCH PROJECT #:	24006
BUILDING TYPE:	DT1800 RED
PLAN VERSION:	1.2
SITE NUMBER:	X
ENTITY NUMBER:	xxx-xxx
STORE NUMBER:	518105

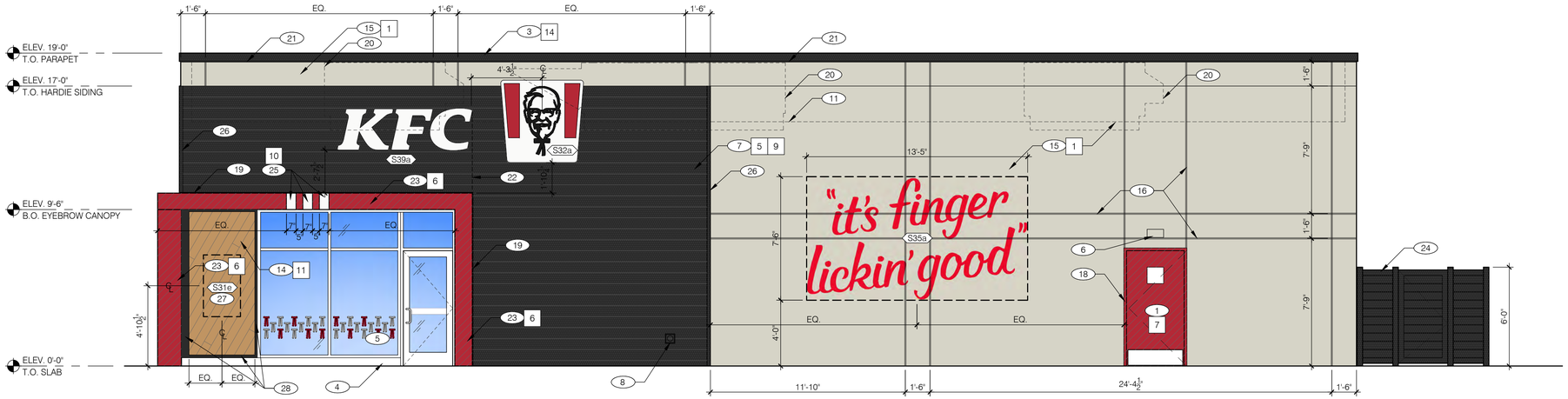
KFC
GOODMAN ROAD E.
DESOTO COUNTY
SOUTHAVEN, MISSISSIPPI 38671

DT1800 RED

EXTERIOR ELEVATION

A4.1

PLOT DATE: 25.03.2024



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MAIN ENTRY ELEVATION 1/4"=1'-0" | **A**

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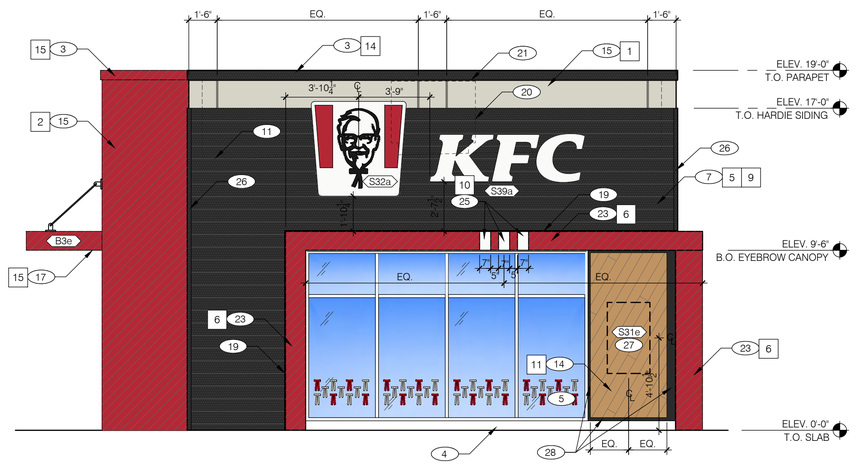

FRONT ELEVATION 1/4"=1'-0" | **B**

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brand studio
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SEAL
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PLAN SET ISSUE / REVISION HISTORY

100% APPROVAL SET	XX.XX.XXXX
1 .	XX.XX.XXXX

ARCH PROJECT #:	24006
BUILDING TYPE:	DT1800 RED
PLAN VERSION:	1.2
SITE NUMBER:	X
ENTITY NUMBER:	xxx-xxx
STORE NUMBER:	518105

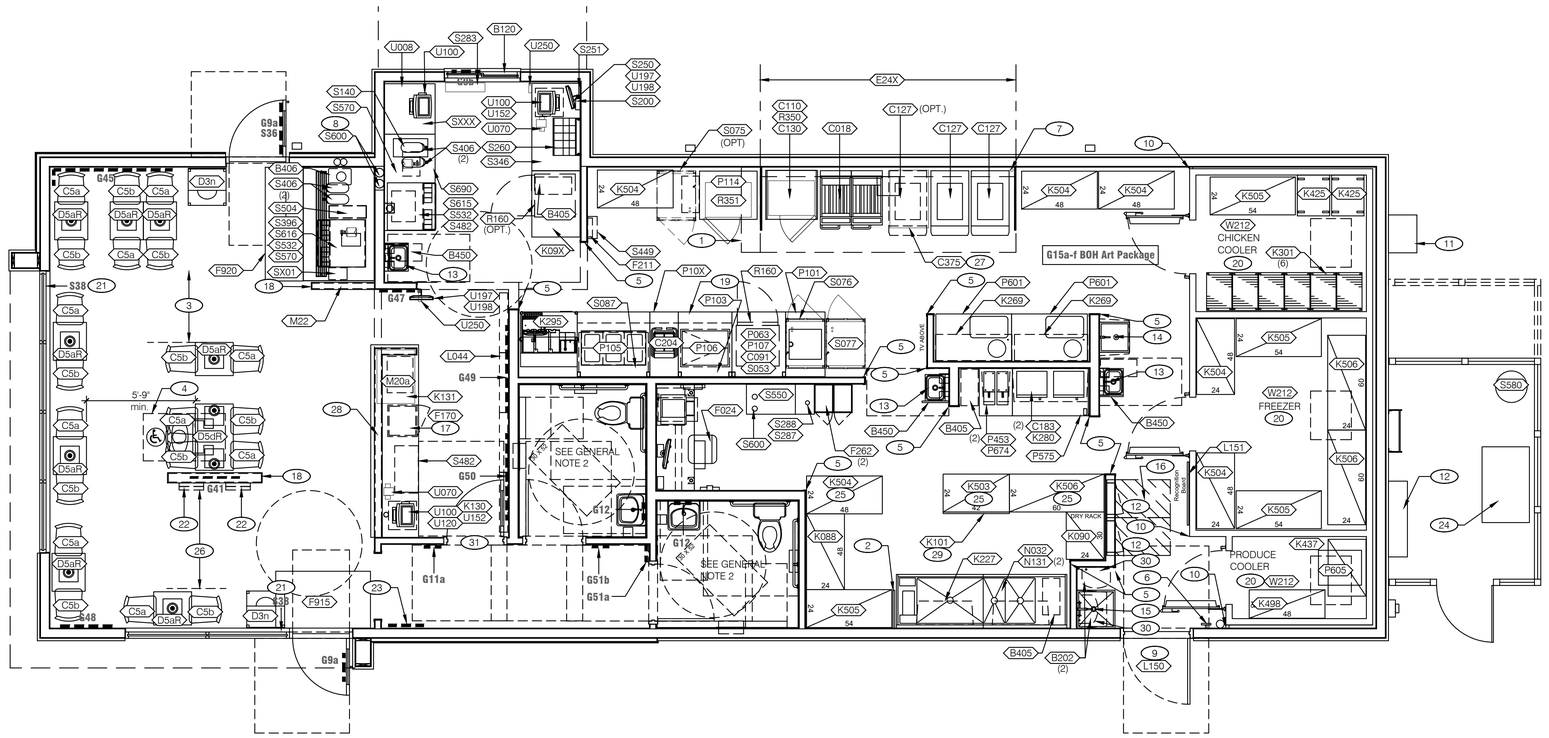
KFC
GOODMAN ROAD E.
DESOTO COUNTY
SOUTHAVEN, MISSISSIPPI 38671

DT1800 RED

EXTERIOR ELEVATION

A4.0

PLOT DATE: 25.03.2024



TAG	QTY.	DESCRIPTION	VENDOR/MANUF.	ITEM/DECOR VENDOR #	REMARKS	IMAGE
C5a	10	DARK WOOD/RED TIE DINING CHAIR	ORDER THRU RSCS			
C5b	10	LIGHT WOOD/BLACK TIE DINING CHAIR	ORDER THRU RSCS			
D5a-R	8	2-TOP TABLE 24x21	ORDER THRU RSCS			
D5d-R	1	4-TOP TABLE (ACCESSIBLE) 24x42	ORDER THRU RSCS			
D3n	2	TRASH UNIT - SINGLE 24x24x46	ORDER THRU RSCS			
M20a	1	PICK-UP SHELF, COUNTERTOP	ORDER THRU RSCS	34" X 24" X 36"H	ADJUSTABLE DIVIDERS	

SEATING PACKAGE LEGEND - BY DECOR VENDOR U.O.N. (TOTAL SEATS = 20) D

1. REFER TO RESPONSIBILITIES SCHEDULE ON SHEETS T1.1 & T1.2.
2. SEE SHEET A8.1 FOR ENLARGED RESTROOM PLAN.
3. - SYMBOL DENOTES AN ACCESSIBLE TABLE.
4. - SYMBOL INDICATES CORE DRILL LOCATION (FOR REFERENCE ONLY). SEE DETAIL 7/A6.1.
   CORE DRILLS SHALL BE LOCATED FROM APPROVED DECOR VENDOR SHOP DRAWINGS AND FIELD COORDINATION WITH G.C. DO NOT LOCATE PER THESE DRAWINGS.
5. REFER TO DESIGN REFERENCE MANUAL (PLANS.YUM.COM) FOR FINISHES, DIMENSIONS and DETAILS OF DECOR VENDOR SUPPLIED ITEMS. SEE SEATING PACKAGE LEGEND, THIS SHEET.
6. REFER TO SHEET A2.1 FOR EQUIPMENT TAG REFERENCES.
7. PROVIDE 2x4 WOOD BLOCKING FOR SHELVING AND HAND SINKS (TYP.)
8. REFER TO SHEET A7.2 FOR INTERIOR GRAPHICS; REFER TO GRAPHICS PACKAGE FOR ADDITIONAL INFORMATION.

* THE NUTRITION MATERIALS (ACRYLIC HOLDER, NUTRITION POSTER AND BRAND NUTRITION BROCHURES) ARE PART OF A NEW RESTAURANT'S GRAND OPENING KIT AND ARE PROVIDED BY YUM FORMS.

GENERAL NOTES C

1. HOOD FIRE SUPPRESSION SYSTEM; SEE MECHANICAL DRAWINGS.
2. SPLASH GUARD at 3-COMP; SEE DETAIL 5 / A6.1.
3. MAINTAIN 36" MIN CLEAR AISLE EGRESS PATHS TO EXIT DOORS.
4. 30" x 52" CLEAR FLOOR SPACE FOR DISABLED ACCESS. BOUNDARY EXTENDS 2'-9" PAST EDGE OF TABLE.
5. S.S. CORNERGUARD / WALL CAP. TYPICAL AT ALL CORNERS FROM REAR WALL TO KITCHEN SIDE OF SERVICE COUNTER. SEE DETAIL 2 / A6.1.
6. PULL STATION @ 3'-8" A.F.F.
7. GAS LINE DOWN TO EQUIPMENT; SEE PLUMBING DRAWINGS.
8. PVC CHASE (QTY. 2) FOR INSULATED SYRUP / FILTERED WATER TUBE BUNDLE. COORDINATE w/ 8" x 12" WALL OPENING IN DINING AND DRIVE-TRU; SEE ELEVATIONS 7 / A8.0 and 6 / A8.2.
9. SEE SHEET A1.1 FOR SECURITY DOOR PACKAGE.
10. CLOSURES AND CORNER PROTECTION BY WALK-IN VENDOR.
11. GAS METER. REFER TO PLUMBING DRAWINGS
12. SWITCHGEAR / ELECTRIC PANELS; REFER TO ELECTRICAL DRAWINGS.
13. B241 B251 B290 B405 N920
14. B620 N024
15. B599 N071 N202
16. CLEAR FLOOR AREA IN FRONT OF ELECTRICAL PANELS; VERIFY MINIMUM ALLOWABLE CLEARANCE WITH LOCAL CODE.
17. SAFE ON LOW PLATFORM. SEE DETAIL 3/A6.1.
18. GC-BUILT LOW WALL. SEE SHEET A1.0.
19. SINGLE-SIDED PACK-LINE (M-LINE). COORDINATE EQUIPMENT ORDER WITH EQUIPMENT VENDOR.
20. ONE REFRIGERATED UNIT, DIVIDED TO CREATE THREE UNITS- (1) CHICKEN COOLER, (1) PRODUCE COOLER & (1) FREEZER.
21. WINDOW SAFETY DECALS ON ALL STOREFRONT GLAZING IN THE DINING AREA. SEE SHEET A8.0.
22. ORDER KIOSK WITH WALL BRACKET. SEE RESPONSIBILITIES SCHEDULE ON SHEETS T1.1 & T1.2.
23. KFC FOUNDATION ARTWORK POSTER IN FRAME.
24. RTI GREASE DISPOSAL SYSTEM.
25. FREESTANDING SHELVING UNITS: PROVIDE SEISMIC POSTS, FOOT PLATES & SWAY BARS IN SEISMIC ZONES
26. MAINTAIN 5'-0" MINIMUM. COORDINATE W/ OWNER.
27. IN THE ABSENCE OF OPTIONAL C127, LANDING TABLE C375 MAY BE USED.
28. GC BUILT KNEE WALL FOR ORDER COUNTER AND PICKUP COUNTER. SEE DETAIL 11/A6.1.
29. SPLASH PROTECTION BACK PANEL ATTACHED TO SHELVING UNIT, EXTENDING FROM BOTTOM SHELF TO 70" A.F.F.
30. WATER HEATERS ABOVE CEILING ON WALL SURFACE. LOCATE BETWEEN TRUSSES. SEE PLUMBING DRAWINGS.
31. OPTIONAL DOOR. PROVIDE CASED OPENING IF DOOR IS NOT USED.

KEYNOTES B

EQUIPMENT / SEATING PLAN 1/4"=1'-0" A

BASE brand studio
159 HUDDLESTON ROAD, STE 1000
PEACHTREE CITY, GA 30269
1900 MAITLAND AVENUE
ALTAMONTE SPRINGS, FL 32701
470-264-0193

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SEAL
NOT FOR CONSTRUCTION

PLAN SET ISSUE / REVISION HISTORY

100% APPROVAL SET	XX.XX.XXXX
1.	XX.XX.XXXX

ARCH PROJECT #:	24006
BUILDING TYPE:	DT1800 RED
PLAN VERSION:	1.2
SITE NUMBER:	X
ENTITY NUMBER:	xxx-xxx
STORE NUMBER:	518105

KFC
GOODMAN ROAD E.
DESOTO COUNTY
SOUTHAVEN, MISSISSIPPI 38671

DT1800 RED

FLOOR PLAN EQUIPMENT and SEATING

A2.0

PLOT DATE: 29.03.2024

City of Southaven
Office of Planning and Development
Subdivision Staff Report

Date of Hearing:	May 20, 2024
Public Hearing Body:	Planning Commission
Applicant:	Pyramid Coffee, LLC 9516 Doe Meadow Lane Germantown, TN 859-550-0572
Total Acreage:	1.10 acres
Existing Zone:	Planned Commercial (C-4)
Location of Subdivision Application	South side of Church Road east of Hwy. 51
Comprehensive Plan Designation:	Commercial

Staff Comments:

The applicant is requesting subdivision approval for Church Road Marketplace Section "B" lot 4 on the south side of Church Road, east of Hwy. 51. The property is currently part of a larger parcel of land which encompasses 10.24 acres and carries from Church Road south to the existing apartment complex and west to WE Ross Pkwy. The application is requesting to take that 10.24 acres and carve out 1.10 acres along the Church Road frontage to create another outparcel similar to the ones on each side. There is an entrance apron on the west end of the lot for Burger King that was recorded with the previous plat and has carried onto this plat that allows for a shared access onto the site via the existing apron. The ingress/egress carries to the south and stubs out at the property line which will allow access to the larger portion of the property that will remain to the south after this lot is platted. Additionally, that ingress/egress stubs into a second legal access that runs parallel to Church Road on the south end of the property which allows for a rear access drive over to WE Ross Pkwy. A continuation of the thirty (30) foot Entergy easement is shown running along the frontage on Church Road.

Staff Recommendations:

The application complies with the requirements set forth in the ordinance regarding commercial lots.

Staff has no further comments and recommends approval.

City of Southaven
Office of Planning and Development
Design Review Staff Report

Date of Hearing:	May 20, 2024
Public Hearing Body:	Planning Commission
Applicant:	Pyramid Coffee, LLC 9516 Doe Meadows Germantown, TN
Total Acreage:	1.10 acres
Existing Zone:	Planned Commercial
Location of Design Review Application	South side of Church Road, east of Hwy. 51
Comprehensive Plan Designation:	Commercial

Staff Comments:

The applicant is requesting design review approval for a 664 sq. ft. coffee drive thru kiosks to be located on lot 4 of Church Road Marketplace Subdivision. The following items were submitted:

Building Elevations:

The applicant is proposing a mixture of brick and hardie based materials for the building façade. The wainscot area on three sides is shown as brick in Carbon Black Velour. Above the wainscot area the building uses a mixture of hardie plank and hardie reveal. The hardie plank has the appearance of siding and is shown to wrap around the main frontage of the building and on both sides where the menu boards are set to be located and stops short of the roof line just above the window canopies. Additionally, the entire rear of the building is shown in the hardie plank material. The paneling portion of the building is shown as Inkwell black which matches the brick line color proposed. The hardie reveal is designed in rectangular panels with a smooth finish in a medium gray called- Skyline Steel. This material carries along both sides beyond signage insets and carries to the roof line on the three main elevations. The roof is capped with a black accent metal band. The awnings are shown in red but it is unclear as to the material proposed. Storefront windows are framed out with a dark bronze aluminum material. The elevations show a window with accent awnings on three sides of the building and no storefront door. The point of access for employees only is shown on the rear of the building, painted black to match the façade. Signage has been displayed on the elevations but is not reviewed by staff at this point in time.

Landscaping:

This site has a mixture of materials proposed for landscaping including:

Shade trees: Southern Red Oak @ 3" caliper
Ornamental trees: Waxleaf ligustrum @ 2.5" caliper.
Shrubs: Dwarf Yaupon holly @ 5 gallon minimum
Additional plantings include: Bermuda sod and seeding.

The applicant is showing a fifteen (15) foot streetscape design along Church Road with a double staggered row of Dwarf Yaupon holly and red oaks planted at 40' OC. Around the perimeter of the parking lot there is a single line of the Dwarf Yaupon holly that transitions into a single line of the ligustrum. Additional red oaks are shown in the open space yard areas around the kiosks. The remainder of the property on both sides as well as the rear of the lot are shown as either sodded or seeded only.

The photometric submittal shows three different fixtures for the site including wall mounted lighting, standard parking lot LED lights and the decorative acorn lighting. Per the photometric plan there is one acorn light shown in the median between the drive thru and the employee parking area on the west side.

Staff Recommendations:

Staff is agreeable with the color palette for the building as it is similar to the previous submittal that was approved in 2022. The rear of the building will need to incorporate the brick wainscot area that is shown on the three other sides to comply with the masonry material requirement.

The applicant has submitted signage as part of this application; however, it will be reviewed by administrative staff at the appropriate time.

The landscape is appropriately sized, and the materials are agreeable; however, due to the easement located along the frontage of Church Road it is not desirable to have shade trees in this location. Staff would ask that the four red oaks along Church Road be moved to each side of the property in the sodded area (two on each side). The applicant can use an ornamental tree such as a Natchez crape myrtle, Yoshino Cherry tree or a Sweetbay Magnolia in the place of the oaks along the frontage.

The lighting specs are agreeable; however, the decorative acorn lighting needs to be incorporated into the streetscape like the adjacent properties instead of the shown location.

Staff recommends approval with the above stated comments.

ArcGIS Web Map

5/2/2024, 10:54:43 AM

1:3,722

0 0.04 0.07 0.15 mi

0 0.05 0.1 0.2 km

CHURCH ROAD WEST
(106' R.O.W.)
Exc. #16

53.0'
R.O.W.

N 89°47'28" E
39.90'

PK Nail Set
(P.O.B.)

N 89°47'28" E
194.70'

I.P.F.

1/2" Iron Pin Found at the N.E. Corner of Sunny Blue, LLC Property (D.B. 837, PG. 196), Lot 3, Church Road Market Place (P.B. 120, PG. 42), Referenced as Being West 50.68'; Thence S 00°29'49" W 55.63'; Thence S 89°40'32" E 225.00' From the N.W. Corner of Section 12, Township 2 South, Range 8 West, Desoto County, Mississippi (P.O.B. Easement)

35.10'

30.0'

15.0'

10' Util. Esmt. (P.B. 108, Pg. 26)
Exc. #16

30' Entergy OHE Esmt. (P.B. 108, Pg. 26)
Exc. #16

45'X75' Access Easement (P.B. 120, Pg. 42 & D.B. 821, Pg. 342)
"Easement A" - Exc. #9, 12a & 16

45'

75'

39.92'

35.08'

50' Front Building Setback (P.B. 120, Pg. 42)
Exc. #9 & 16

ACCESS
EASEMENT
0.22 ACRES

5' Util. Esmt. (P.B. 108, Pg. 26)
Exc. #9 & 16

SUNNY BLUE, LLC PROPERTY
(DEED BOOK 837, PAGE 196)
LOT 3, CHURCH ROAD MARKET PLACE
(PLAT BOOK 120, PAGE 42)

N 00°05'07" W
224.09'

5.0'

5.0'

5' Permanent Landscape Esmt. (P.B. 120, Pg. 42 & D.B. 821, Pg. 342)

ACCESS
EASEMENT
0.22 ACRES

5' Permanent Landscape Esmt. (P.B. 120, Pg. 42 & D.B. 821, Pg. 342)
"Easement B" - Exc. #9 & 12b

RESIDUE
LOEB/CHURCH ROAD L.L.C. & BURGIN, L.L.C. PROPERTY
(DEED BOOK 545, PAGE 371)
LOT 2, CHURCH ROAD MARKET PLACE
(PLAT BOOK 120, PAGE 42)

N 00°06'01" W 245.14'

25' Side Building Setback (P.B. 120, Pg. 42)
Exc. #9 & 16

1.10 ACRES

PORTION OF LOEB/CHURCH ROAD L.L.C. & BURGIN, L.L.C. PROPERTY
(DEED BOOK 545, PAGE 371)
PORTION OF LOT 2, CHURCH ROAD MARKET PLACE
(PLAT BOOK 120, PAGE 42)

25' Side Building Setback (P.B. 120, Pg. 42)
Exc. #9 & 16

S 00°06'01" E
245.14'

SOLBERG PROPERTIES, GP PROPERTY
(DEED BOOK 603, PAGE 242)
LOT 2, CHURCH ROAD MARKET PLACE
(PLAT BOOK 108, PAGE 26)

12.5'

191.00'
To East R.O.W. of W.E. Ross Parkway

12.5' Access Easement (P.B. 120, Pg. 42 & D.B. 821, Pg. 342)
"Easement C" - Exc. #9 & 12c

25.0'

191.00'

39.96'

MAG Nail
Found

12.5' Access Easement (P.B. 120, Pg. 42 & D.B. 821, Pg. 342)
"Easement D" - Exc. #9 & 12d

To East R.O.W. of W.E. Ross Parkway
191.00'

12.5'

15' Rear Building Setback (P.B. 120, Pg. 42)
Exc. #9 & 16

N 00°05'07" W
21.05'

S 89°47'28" W
39.97'

I.P.S.

S 89°47'28" W
194.70'

I.P.F.

RESIDUE
LOEB/CHURCH ROAD L.L.C. & BURGIN, L.L.C. PROPERTY
(DEED BOOK 545, PAGE 371)
LOT 2, CHURCH ROAD MARKET PLACE
(PLAT BOOK 120, PAGE 42)

		PROJECT	FINAL SUBDIVISION SURVEY PLAT PREPARED FOR THE PORTION OF LOEB/CHURCH ROAD L.L.C. & BURGIN, L.L.C. PROPERTY PORTION OF LOT 2 OF CHURCH ROAD MARKET PLACE DEED BOOK 545, PAGE 371 / PLAT BOOK 120, PAGE 42 CHURCH ROAD WEST, SOUTHAVEN DESOTO COUNTY, MISSISSIPPI PROJECT
CLIENT	PYRAMID COFFEE, LLC	SCALE	0 20 40 60
		RECORD	SSI PROJECT : PYR-1000 DRAWN BY : KR CHECKED BY : AS SHEET NO. : 1 OF 2 PLAT DATE : 04/19/24

MEASURED LEGAL DESCRIPTION

1.10 Acres, located in the Northwest ¼ of Section 12, Township 2 South, Range 8 West, Desoto County, Mississippi, more particularly described as follows:

Commencing at a ½" iron pin found on the southern right-of-way of Church Road (53.0' feet from centerline) at the northeast corner of Sunny Blue, LLC property (Deed Book 837, Page 196), Lot 3, Church Road Market Place (Plat Book 120, Page 42), referenced as being West 50.68 feet; thence South 00 degrees 29 minutes 49 seconds West 55.63 feet; thence South 89 degrees 40 minutes 32 seconds East 225.00 feet from the Northwest Corner of Section 12, Township 2 South, Range 8 West, Desoto County, Mississippi, run with said right-of-way and northern boundary of LOEB/Church Road L.L.C. & Burgin, L.L.C. property (Deed Book 545, Page 371), Lot 2, Church Road Market Place the following calls: North 89 degrees 47 minutes 28 seconds East 39.90 feet to a PK Nail set being the Point of Beginning; thence North 89 degrees 47 minutes 28 seconds East 194.70 feet to a ½" iron pin found at the northwest corner of Solberg Properties, GP property (Deed Book 603, Page 242), Section "A" Lot 1, Church Road Market Place (Plat Book 108, Page 26); thence leaving said right-of-way run with the western boundary of said Solberg Properties, GP property South 00 degrees 06 minutes 01 seconds East 245.14 feet to a ½" iron pin found; thence leaving said Solberg Properties, GP property run with a partition line across said LOEB/Church Road L.L.C. & Burgin, L.L.C. property the following calls: South 89 degrees 47 minutes 28 seconds West 194.70 feet to a ½" iron pin set; thence North 00 degrees 06 minutes 01 seconds West 245.14 feet to the Point of Beginning, having an area of 1.10 acres.

Also To Be Conveyed with the above described 1.10 acres is an Access Easement, more particularly described as follows:

Commencing at a ½" iron pin found on the southern right-of-way of Church Road (53.0' feet from centerline) at the northeast corner of Sunny Blue, LLC property (Deed Book 837, Page 196), Lot 3, Church Road Market Place (Plat Book 120, Page 42), referenced as being West 50.68 feet; thence South 00 degrees 29 minutes 49 seconds West 55.63 feet; thence South 89 degrees 40 minutes 32 seconds East 225.00 feet from the Northwest Corner of Section 12, Township 2 South, Range 8 West, Desoto County, Mississippi, being the Point of Beginning for this easement description; thence leaving said Sunny Blue, LLC property run with said right-of-way and northern boundary of LOEB/Church Road L.L.C. & Burgin, L.L.C. property (Deed Book 545, Page 371), Lot 2, Church Road Market Place North 89 degrees 47 minutes 28 seconds East 39.90 feet to a PK Nail set; thence leaving said right-of-way run with a partition line across said LOEB/Church Road L.L.C. & Burgin, L.L.C. property the following calls: South 00 degrees 06 minutes 01 seconds East 245.14 feet to a ½" iron pin set; thence South 89 degrees 47 minutes 28 seconds West 39.97 feet; thence North 00 degrees 05 minutes 07 seconds West 21.05 feet to a MAG Nail found at the southeast corner of said Sunny Blue, LLC property; thence with the eastern boundary of said Sunny Blue, LLC property run North 00 degrees 05 minutes 07 seconds West 224.09 feet to the Point of Beginning, having an area of 0.22 acres.

Property is subject to subdivision restrictions, zoning regulations, building lines, and easements as recorded in Plat Book 120, Page 42, and any other right-of-ways and easements of record.

The above described parcel is the same parcel described in the ALTA Commitment for Title Insurance issued by Fidelity National Title Insurance Company, Commitment No. 11595207, bearing an effective date of February 25, 2024 at 8:00 A.M.

OWNER'S CERTIFICATE

I, _____, OWNER OR AUTHORIZED REPRESENTATIVE OF THE OWNER OF THE PROPERTY, HEREBY ADOPT THIS PLAN OF SUBDIVISION AND DEDICATE THE RIGHT-OF-WAY FOR THE USE OF ROADS AND UTILITY EASEMENTS AS SHOWN ON THE PLAT OF THE SUBDIVISION TO THE PUBLIC USE FOREVER. I HEREBY CERTIFY THAT I AM THE OWNER IN FEE SIMPLE OF THE PROPERTY AND THAT NO TAXES HAVE BECOME DUE AND PAYABLE, THIS THE ___ DAY OF_____, 20_____.

_____OWNER

NOTARY'S CERTIFICATE

STATE OF MISSISSIPPI, COUNTY OF DESOTO

PERSONALLY APPEARED BEFORE ME THE UNDERSIGNED AUTHORITY IN AND FOR SAID COUNTY AND STATE; ON THIS THE _____ DAY OF _____, 20_____, WITHIN MY JURISDICTION, THE WITHIN NAMED _____, OWNER, WHO ACKNOWLEDGED THAT HE/SHE EXECUTED THE FOREGOING PLAT FOR THE PURPOSE THEREIN MENTIONED.

NOTARY_____MY COMMISSION EXPIRES_____

SOUTHAVEN CITY'S CERTIFICATE

SOUTHAVEN PLANNING COMMISSION

APPROVED BY THE SOUTHAVEN PLANNING COMMISSION ON THIS THE___ DAY OF _____, 20_____.

_____ _____

CHAIRPERSON SECRETARY

CITY OF SOUTHAVEN

MAYOR & BOARD OF ALDERMEN

APPROVED BY THE MAYOR AND BOARD OF ALDERMEN OF THE CITY OF SOUTHAVEN ON THIS THE ___ DAY OF _____, 20_____.

_____ _____

MAYOR CITY CLERK

STATE OF MISSISSIPPI

COUNTY OF DESOTO

CHANCERY CLERK'S CERTIFICATE

I HEREBY CERTIFY THAT THE SUBDIVISION PLAT SHOWN HEREON WAS FILED FOR RECORD IN MY OFFICE AT _____ O'CLOCK ___M, ON THE ___ DAY OF _____, 20_____ AND WAS IMMEDIATELY ENTERED UPON THE PROPER INDEXES AND DULY RECORDED IN PLAT BOOK _____, PAGE _____.

_____

CHANCERY CLERK

CERTIFICATE OF SURVEYOR

THIS IS TO CERTIFY THAT I HAVE DRAWN THE PLAT FROM A GROUND SURVEY BY AND FROM DEEDS OF RECORD AND THAT THE PLAT REPRESENTS THIS INFORMATION. I CERTIFY THAT THIS PLAT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

_____

SIGNATURE OF ENGINEER/SURVEYOR LICENSE NO.

CLIENT

PYRAMID COFFEE, LLC

PROJECT

FINAL SUBDIVISION SURVEY PLAT
PREPARED FOR THE

PORTION OF LOEB/CHURCH ROAD L.L.C. & BURGIN, L.L.C. PROPERTY
PORTION OF LOT 2 OF CHURCH ROAD MARKET PLACE
DEED BOOK 545, PAGE 371 / PLAT BOOK 120, PAGE 42
CHURCH ROAD WEST, SOUTHAVEN
DESOTO COUNTY, MISSISSIPPI

PROJECT

RECORD

SSI PROJECT : PYR-1000
DRAWN BY : KR
CHECKED BY : AS
SHEET NO. : 2 OF 2
PLAT DATE : 04/19/24

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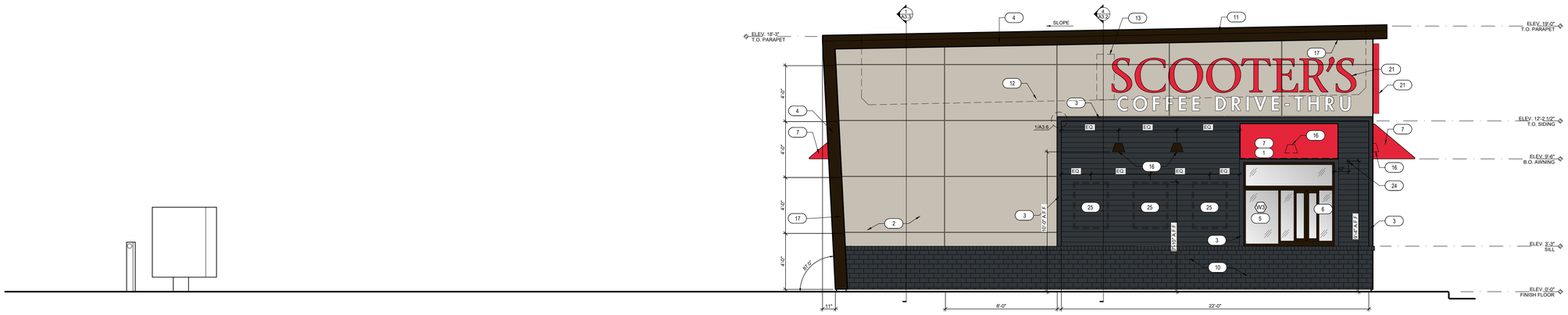


3 SIDE EXTERIOR ELEVATION

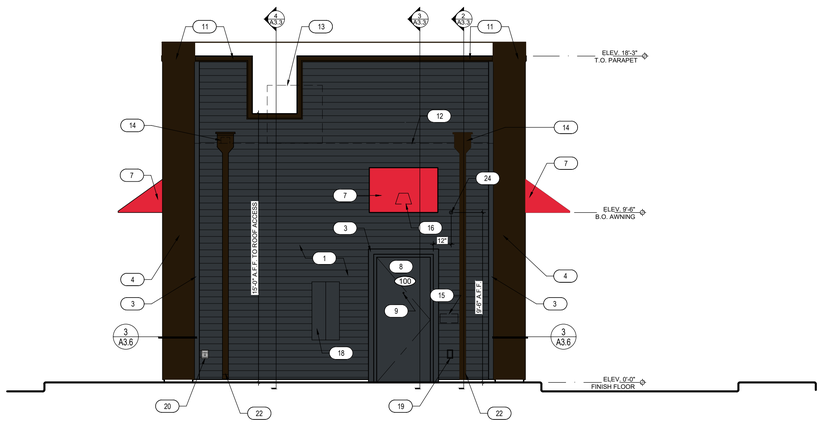
SCALE: 1/4"=1'-0"

KEYNOTES

1. HARDIE PLANK HZ10 LAP SIDING CEDARMILL 6-1/4". SEE HARDIE DETAIL SHEET A3.6 - COLOR: SHERWIN WILLIAMS SW6992 INKWELL EGGSHELL FINISH
2. HARDIE REVEAL 5/16" PANEL SYSTEM HZ10 - SMOOTH FINISH, WITH TAMLYN XTREMETRIM REVEALS: RV516 VERTICAL & BRH516 HORIZONTAL. SEE HARDIE DETAIL SHEET A3.6. COLOR: SW 1015 SKYLINE STEEL
3. 3-1/2" HARDIE TRIM, SEE HARDIE DETAIL SHEET A3.6. COLOR: SHERWIN WILLIAMS SW6992 INKWELL EGGSHELL FINISH
4. HARDIE BOARD TRIM ACCENTS AND SOFFITS. COLOR: BLACK
5. INSULATED DARK BRONZE ALUMINUM WINDOWS WITH DUAL PANE TEMPERED GLASS
6. QUIKSERV 48x48 WINDOW. COLOR: DARK BRONZE
7. AWNING BY OTHERS - COLOR: RED
8. INSULATED HOLLOW METAL DOOR AND FRAME. COLOR: SHERWIN WILLIAMS SW6992 INKWELL EGGSHELL FINISH
9. WIDE ANGLE PEEP HOLE, BY DOOR MANUFACTURER
10. SIOUX CITY BRICK - COLOR: CARBON BLACK VELOUR
11. 22 GAUGE METAL PARAPET CAP
12. LINE OF ROOF BEYOND
13. AIR CONDENSER, SEE MECHANICAL DRAWINGS
14. ROOF SCUPPER AND DOWNSPOUT, SEE DETAIL 8/A3.4
15. MAILBOX BY GC BLACK
16. WALL MOUNTED LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS
17. LED LIGHT BAND, SEE ELECTRICAL DRAWINGS
18. SES PANEL, SEE ELECTRICAL DRAWINGS
19. ELECTRICAL OUTLETS, SEE ELECTRICAL DRAWINGS
20. HOSE BIBB, SEE PLUMBING DRAWINGS
21. PROPOSED SIGNAGE BY OTHERS, UNDER SEPARATE PERMIT
22. CONNECT DOWNSPOUTS TO UNDERGROUND PIPING, REF. CIVIL.
23. SPANDREL GLASS
24. NEW SECURITY CAMERA
25. CUSTOMER PROVIDED SIGN PANELS. PANELS TO BE MOUNTED TO FASCIA BY GC (WHEN PROVIDED) IN CUSTOMER SPECIFIED LOCATION USING PROPER HARDWARE AND FASTENERS (NON-CORROSIVE)

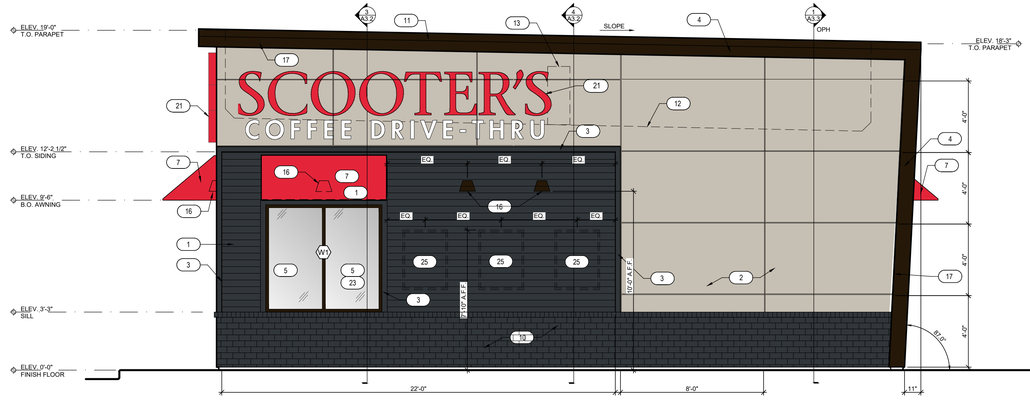
1 FRONT EXTERIOR ELEVATION

SCALE: 1/4"=1'-0"



4 REAR EXTERIOR ELEVATION

SCALE: 1/4"=1'-0"



2 SIDE EXTERIOR ELEVATION

SCALE: 1/4"=1'-0"

CONQUEST ARCHITECTURE
14901 QUORUM DRIVE
SUITE 300
DALLAS, TX 75254

EST. 1998 SCOOTER'S COFFEE

PROJECT ADDRESS:
Church Rd W
Southaven, MS 38671

REVISIONS:

TITLE:
COLOR EXTERIOR ELEVATIONS

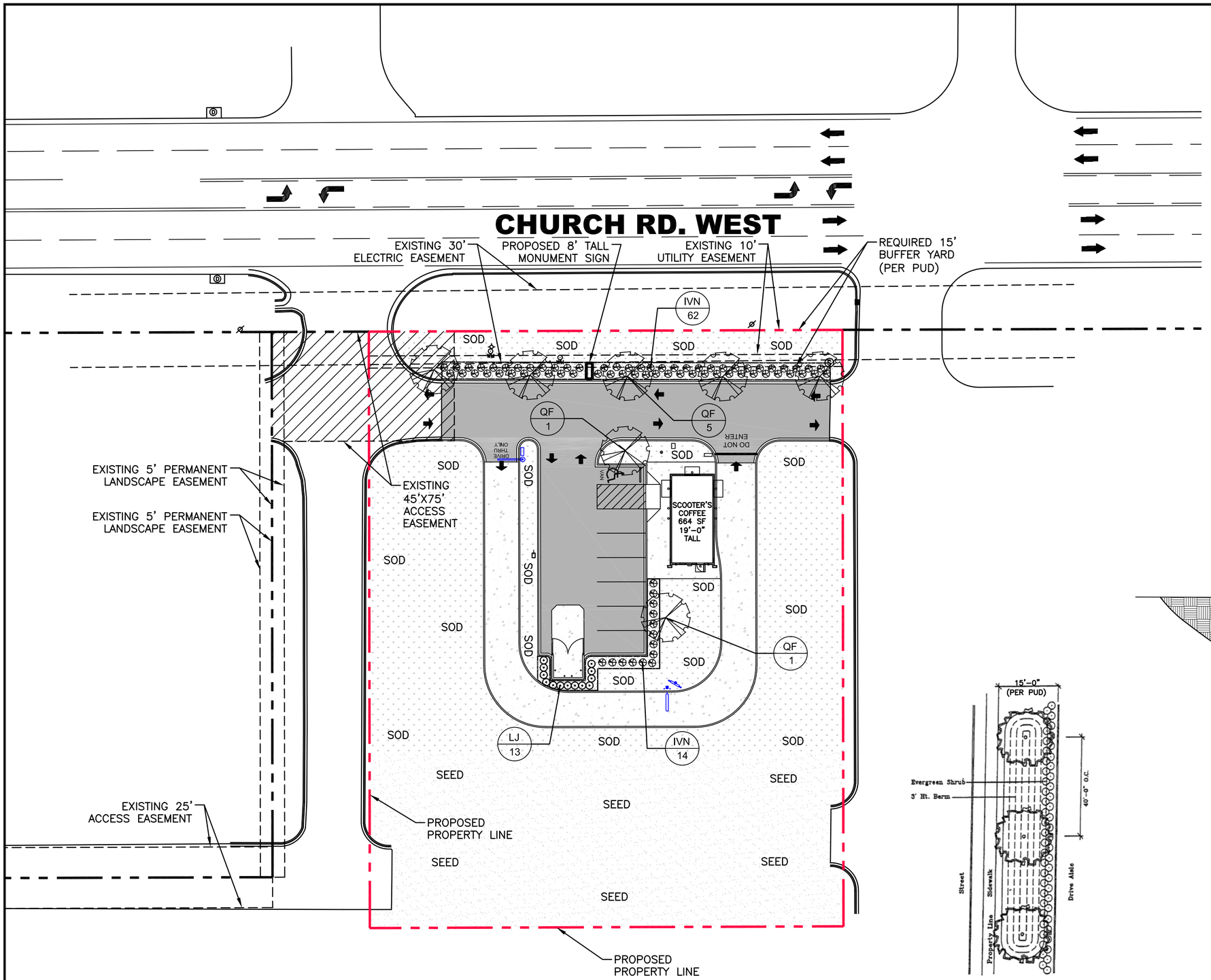
KIOSK PROTOTYPE:
4.1.4 STRAIGHT PROTOTYPE
SEPTEMBER 2022

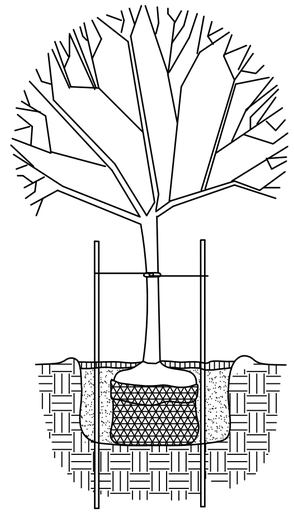
DATE:
04/26/2024

PROJECT NO.
24.0159

[X] PERMIT/BID SUBMITTAL
[ ] CONSTRUCTION ISSUE

SHEET NO.
A2.0





(3) 2" Wood Stakes.
Place rubber hose on center tie ring.

4" Deep Mulch

Form Saucer with 4"–6" continuous earthen rim around planting hole.

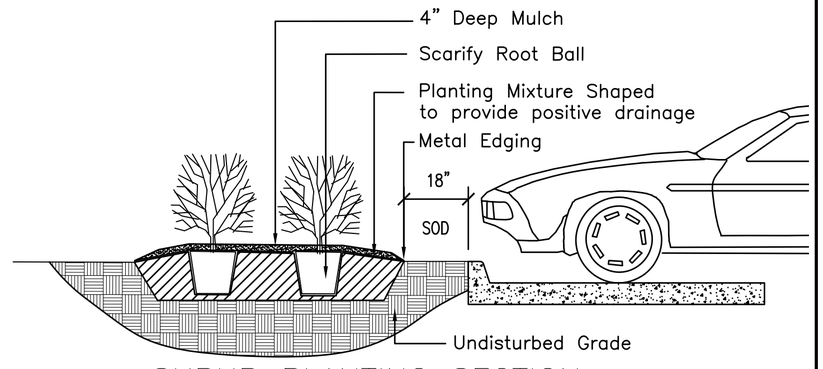
Remove top 1/3 of burlap. Plant top of root ball even with or slightly higher than finished grade.

Planting Pit shall equal depth of root ball plus 6" for setting layer of compacted backfill. Planting pit width shall be twice the diameter of the root ball. Backfill around root ball with prepared planting soil.

Place Root Ball at bottom of planting pit on undisturbed grade.

TREE PLANTING DETAIL

SCALE: NOT TO SCALE



SHRUB PLANTING SECTION

SCALE: NOT TO SCALE

STREETSCAPE B-2

SCALE: NOT TO SCALE

LANDSCAPE/PAVEMENT LEGEND

SOD	
SEED	
CONCRETE	
ASPHALT	

PERVIOUS VS. IMPERVIOUS SURFACE	
TOTAL LOT AREA	47,728 S.F.
TOTAL BUILDING AREA	664 S.F. (1.4% OF TOTAL SITE)
TOTAL IMPERVIOUS AREA	15,083 S.F. (31.6% OF TOTAL SITE)
TOTAL PERVIOUS AREA	32,645 S.F. (68.4% OF TOTAL SITE)

N

LANDSCAPING PLAN

0' 30' 60'

18"x24" SCALE: 1" = 30'

PLANT LIST

SYM.	Qty.	Botanical Name	Common Name	Specifications	Space
Trees/Shrubs/Groundcovers					
IVN	76	Ilex vomitoria 'nana'	Dwarf Yaupon Holly	5 Gallon, 36"x36" Spread	As Shown
QF	7	Quercus falcate	Southern Red Oak	30 gallon, 10–12' Ht., 3.0" Cal. Min.	As Shown
LJ	13	Ligustrum japonicum	Waxleaf Ligustrum	30 gallon, 10–12' Ht., 2.5" Cal. Min.	As Shown
Turf					
SOD	Field Measure	Cynodon dactylon	Common Bermuda	Solid Sod, Pallets	
SEED	Field Measure	Cynodon dactylon	Common Bermuda	Hydroseeding	

LINFIELD, HUNTER & JUNIUS, INC.
PROFESSIONAL ENGINEERS,
ARCHITECTS AND SURVEYORS
3608 18th Street, Suite 200
Metairie, Louisiana 70002

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OWNER:

PYRAMID COFFEE, LLC
9516 DOE MEADOW DRIVE
GERMANTOWN, TN 38139

DEVELOPER:

FIVE STAR DEVELOPMENT
OF ALABAMA
116 JEFFERSON STREET
SUITE 204
HUNTSVILLE, AL 35801

EST. 1998 SCOOTER'S COFFEE

CHURCH RD. WEST
SOUTHAVEN, MS
SECTION 12, TOWNSHIP 2
SOUTH, RANGE 8 WEST