

ORDINANCE NO. 2435-25

AN ORDINANCE GRANTING AN AMENDMENT TO A SPECIAL USE PLANNED UNIT DEVELOPMENT AND APPROVAL FOR A RETAIL DRIVE-THRU FACILITY, A RETAIL/OFFICE BUILDING, A FUTURE RETAIL BUILDING, AND A FINAL PLAT OF RE-SUBDIVISION, LOCATED AT 101 AND 103 ROMAN LANE – MJK REAL ESTATE HOLDING COMPANY, LLC

WHEREAS, on or about December 6, 2024, MJK Real Estate Holding Company, LLC, as applicant (“Applicant”), filed an application for an amendment to a Special Use Planned Unit Development and approval for a retail drive-thru facility, a retail/office building, a future retail building, and a final plat of re-subdivision, located at 101 and 103 Roman Lane on the property legally described on **Exhibit "A"** attached hereto and incorporated herein (the "SUBJECT REALTY"); and,

WHEREAS, Notice of Public Hearing with respect to the special use permit was published on or about January 24, 2025, in the Daily Herald, being a newspaper having general circulation within the Village of Hawthorn Woods, all as required by the statutes of the State of Illinois and the ordinances of the Village, and,

WHEREAS, all other notices required by the statutes of the State of Illinois and the ordinances of the Village have been given; and,

WHEREAS, pursuant to said Notice, the Planning, Building, and Zoning Commission of the Village of Hawthorn Woods conducted a Public Hearing regarding the special use permit on or about February 11, 2025, all as required by the statutes of the State of Illinois and the ordinances of the Village; and,

WHEREAS, the Planning, Building, and Zoning Commission forwarded its recommendations, to the Mayor and Board of Trustees on or about February 11, 2025, and,

NOW, THEREFORE, BE IT ORDAINED by the Mayor and Board of Trustees of the Village of Hawthorn Woods, Lake County, Illinois, as follows:

SECTION ONE: That the foregoing recitals are incorporated into this Ordinance by this reference as if fully set forth herein.

SECTION TWO: That approval is hereby granted for an amendment to the special use permit for a retail drive-thru facility, a retail/office building, a future retail building, and a final plat of re-subdivision as set forth on the plans and materials submitted with the application prepared by Soos & Associates, Inc., R.E. Allen and Associates, Ltd., Couture Landscape Construction, GSG Consultants, Inc., and Starbucks, attached hereto as **Exhibit “B”**.

SECTION THREE: That the recommendations and Findings of Fact of the Planning, Building, and Zoning Commission attached hereto as **Exhibit “C”**, be and the same are hereby adopted by the Mayor and Board of Trustees as and for its Findings of Fact.

SECTION FOUR: That the following amendment to the previously approved departures from the original special use planned unit development is hereby granted:

1. Corner Side Yard – From the originally approved setback of 30 feet to 24 feet.

SECTION FIVE: That the special use permit is subject to the following terms and conditions:

1. That final engineering be approved by the Village Engineering Consultants and the Public Works Director/Village Engineer prior to a building permit being issued for the development.
2. That the photometric plans be approved by the Village Engineering Consultants and the Public Works Director/Village Engineer prior to a building permit being issued for the development.

3. That the final architectural design be approved by the Community Development Director prior to a building permit being issued for the development.
4. That the final sign design be approved by the Community Development Director prior to a building permit being issued for the development.

SECTION SIX: That all ordinances and resolutions, or parts thereof, in conflict with the provisions of the Ordinance are, to the extent of such conflict, expressly superseded.

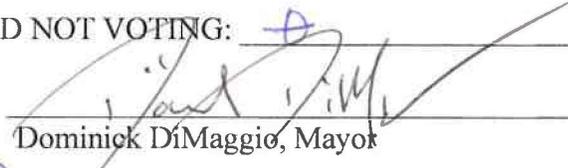
SECTION SEVEN: That this Ordinance shall be in full force and effect from and after its passage and approval as provided by law.

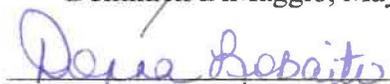
The foregoing Ordinance was passed by a roll call vote as follows:

AYES: Kaiser, McCarthy, Ryckies, Bauer, Herst, Paman

NAYS: ⊕

ABSENT AND NOT VOTING: ⊕

APPROVED: 
Dominick DiMaggio, Mayor

ATTEST: 
Donna Lobaito, Village Clerk

PASSED: February 24, 2025

APPROVED: February 24, 2025

EXHIBIT "A"

LEGAL DESCRIPTION

PARCEL 1: LOTS 38 AND 39 IN HAWTHORN TRAILS PHASE 3; BEING A RESUBDIVISION OF PART OF THE EAST HALF OF THE SOUTHWEST QUARTER OF SECTION 15, TOWNSHIP 43 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDAN, IN ELA TOWNSHIP, ACCORDING TO THE PLAT OF SUBDIVISION RECORDED JUNE 2, 2017 AS DOCUMENT 739952, IN LAKE COUNTY, ILLINOIS.

EXHIBIT "B"

MJK Hawthorn Woods - Retail Development
Heartland Dental
 97, 99-101 & 103 Roman Lane, Hawthorn Woods, IL 60047



PC Submittal - DRAWING INDEX (Date: January 31, 2025)

| SHEET | SHEET TITLE |
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| A-02 | ALTANSPS LAND TITLE SURVEY |
| A-03 (1 OF 2) | RESUBDIVISION PLAT |
| A-04 (2 OF 2) | RESUBDIVISION PLAT |
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| A-06 (L-1) | LANDSCAPE PLAN |
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| A-13 | HEARTLAND DENTAL - EXTERIOR ELEVATIONS |
| A-14 | HEARTLAND DENTAL - EXTERIOR ELEVATIONS |
| A-15 | EXTERIOR PERSPECTIVES |
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| A-17 | BUILDING SECTION |
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| A-20 | MONUMENT SIGN - COVER SHEET |
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| A-22 | MONUMENT SIGN - SITE PLAN |
| A-23 | MONUMENT SIGN - BACK COVER |

MJK Real Estate Holding Company, LLC.
 1622 Willow Road, Suite 201
 Northfield, IL 60093 847-919-4801

Soos & Associates, Inc.
 105 Schelter Road, Suite 101
 Lincolnshire, IL 60069 847-821-7667

ALTA / NSPS LAND TITLE SURVEY

PARCEL 1: LOTS 28 AREA 20 IN NORTHERN PARTS PARCELS 1 & 2 AND A PORTION OF PART OF THE EAST HALF OF THE NORTHERN QUARTER OF SECTION 18, TOWNSHIP 42 NORTH RANGE 1 EAST OF THE 10TH MERIDIAN, NEBRASKA, IN LA PLUMBER ALLEGING TO THE PLAT OF INTEREST RECEIVED JUNE 7, 2017 AS INSTRUMENT 7759551; LA PLUMBER ALLEGING.

PARCEL 2: EXTENSION FOR INTEREST AND EGRESS, ACCESS, PUMP AND LIFT STATIONS FOR THE BENEFIT OF PARCEL 1, CREATED BY THE DECLARATION RECITED SECTION 11, 2019 AS INSTRUMENT 7759551.

THE PREVIOUS EGRESS ROW WAS:
 LOT 28 AREA = 47,538 S.F.
 LOT 29 AREA = 47,538 S.F.
 LOT 30 AREA = 47,538 S.F.

DISCLAIMER:
 THE SURVEYOR HAS CONDUCTED A VISUAL INSPECTION OF THE LAND AND HAS FOUND THAT THE INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF HIS KNOWLEDGE AND BELIEF. THE SURVEYOR HAS NOT CONDUCTED A PHYSICAL INSPECTION OF THE LAND AND HAS NOT BEEN ADVISED BY ANY OTHER PARTY THAT THE INFORMATION CONTAINED HEREIN IS NOT TRUE AND CORRECT TO THE BEST OF HIS KNOWLEDGE AND BELIEF.

NOTES:
 1. THIS SURVEY WAS CONDUCTED IN ACCORDANCE WITH THE NEBRASKA SURVEYING ACT AND THE NEBRASKA BOARD OF SURVEYING AND MAPPING. THE SURVEYOR HAS CONDUCTED A VISUAL INSPECTION OF THE LAND AND HAS FOUND THAT THE INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF HIS KNOWLEDGE AND BELIEF.

2. THE SURVEYOR HAS CONDUCTED A VISUAL INSPECTION OF THE LAND AND HAS FOUND THAT THE INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF HIS KNOWLEDGE AND BELIEF.

3. THE SURVEYOR HAS CONDUCTED A VISUAL INSPECTION OF THE LAND AND HAS FOUND THAT THE INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF HIS KNOWLEDGE AND BELIEF.

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5. THE SURVEYOR HAS CONDUCTED A VISUAL INSPECTION OF THE LAND AND HAS FOUND THAT THE INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF HIS KNOWLEDGE AND BELIEF.

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14. THE SURVEYOR HAS CONDUCTED A VISUAL INSPECTION OF THE LAND AND HAS FOUND THAT THE INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF HIS KNOWLEDGE AND BELIEF.

15. THE SURVEYOR HAS CONDUCTED A VISUAL INSPECTION OF THE LAND AND HAS FOUND THAT THE INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF HIS KNOWLEDGE AND BELIEF.

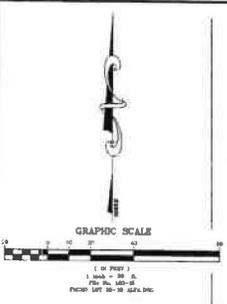
16. THE SURVEYOR HAS CONDUCTED A VISUAL INSPECTION OF THE LAND AND HAS FOUND THAT THE INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF HIS KNOWLEDGE AND BELIEF.

17. THE SURVEYOR HAS CONDUCTED A VISUAL INSPECTION OF THE LAND AND HAS FOUND THAT THE INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF HIS KNOWLEDGE AND BELIEF.

18. THE SURVEYOR HAS CONDUCTED A VISUAL INSPECTION OF THE LAND AND HAS FOUND THAT THE INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF HIS KNOWLEDGE AND BELIEF.

19. THE SURVEYOR HAS CONDUCTED A VISUAL INSPECTION OF THE LAND AND HAS FOUND THAT THE INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF HIS KNOWLEDGE AND BELIEF.

20. THE SURVEYOR HAS CONDUCTED A VISUAL INSPECTION OF THE LAND AND HAS FOUND THAT THE INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF HIS KNOWLEDGE AND BELIEF.

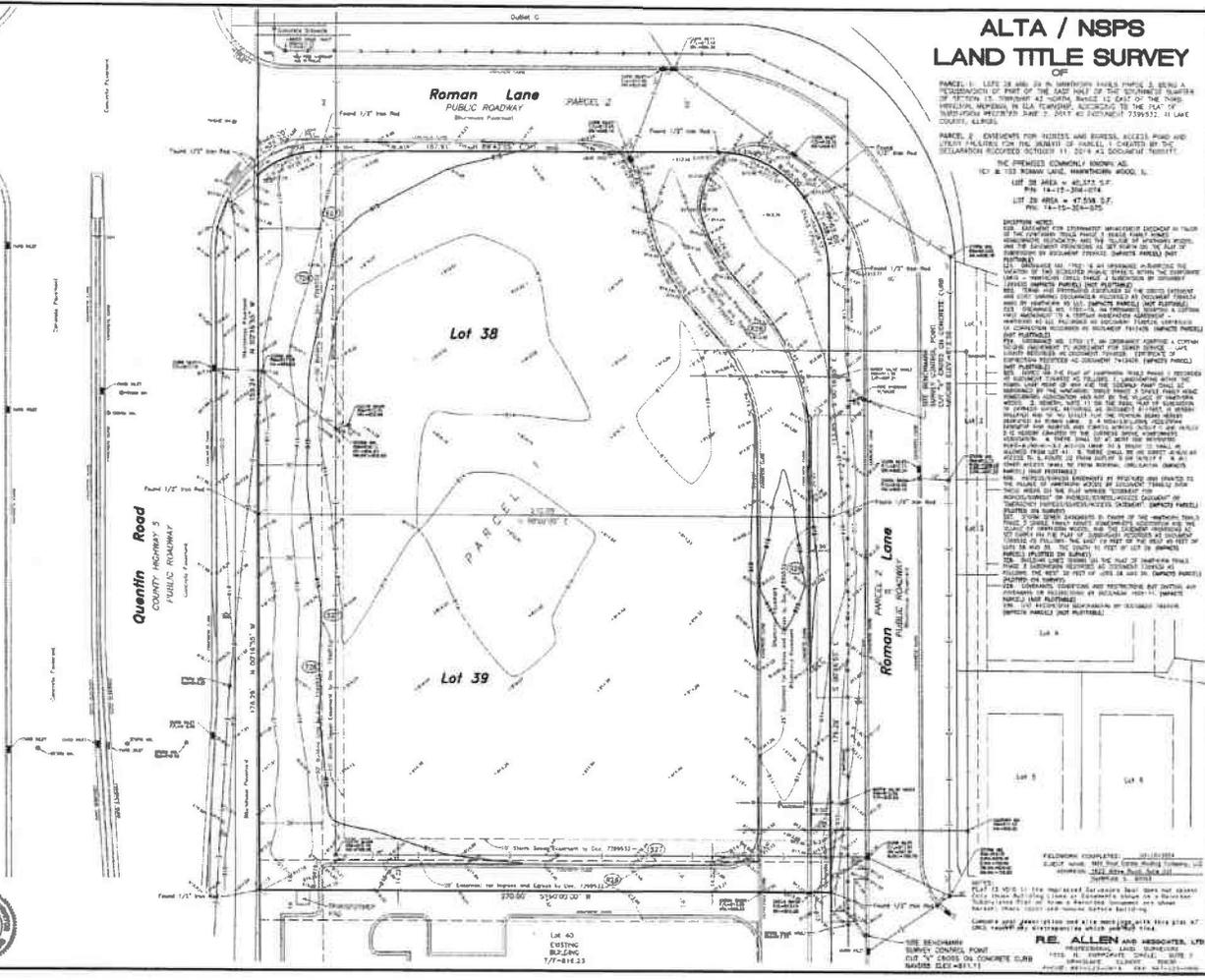


NOTES:
 1. THIS SURVEY WAS CONDUCTED IN ACCORDANCE WITH THE NEBRASKA SURVEYING ACT AND THE NEBRASKA BOARD OF SURVEYING AND MAPPING. THE SURVEYOR HAS CONDUCTED A VISUAL INSPECTION OF THE LAND AND HAS FOUND THAT THE INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF HIS KNOWLEDGE AND BELIEF.

COPIES TO:
 1. LANDLORD (S.E. INSURANCE COMPANY)
 2. COUNTY RECORDER COMPANY, LLC IN NEBRASKA LLC
 3. NEBRASKA SURVEYING AND MAPPING BOARD

DATE OF SURVEY: OCTOBER 15, 2021

SURVEYOR: RE. ALLEN AND ASSOCIATES, LTD.

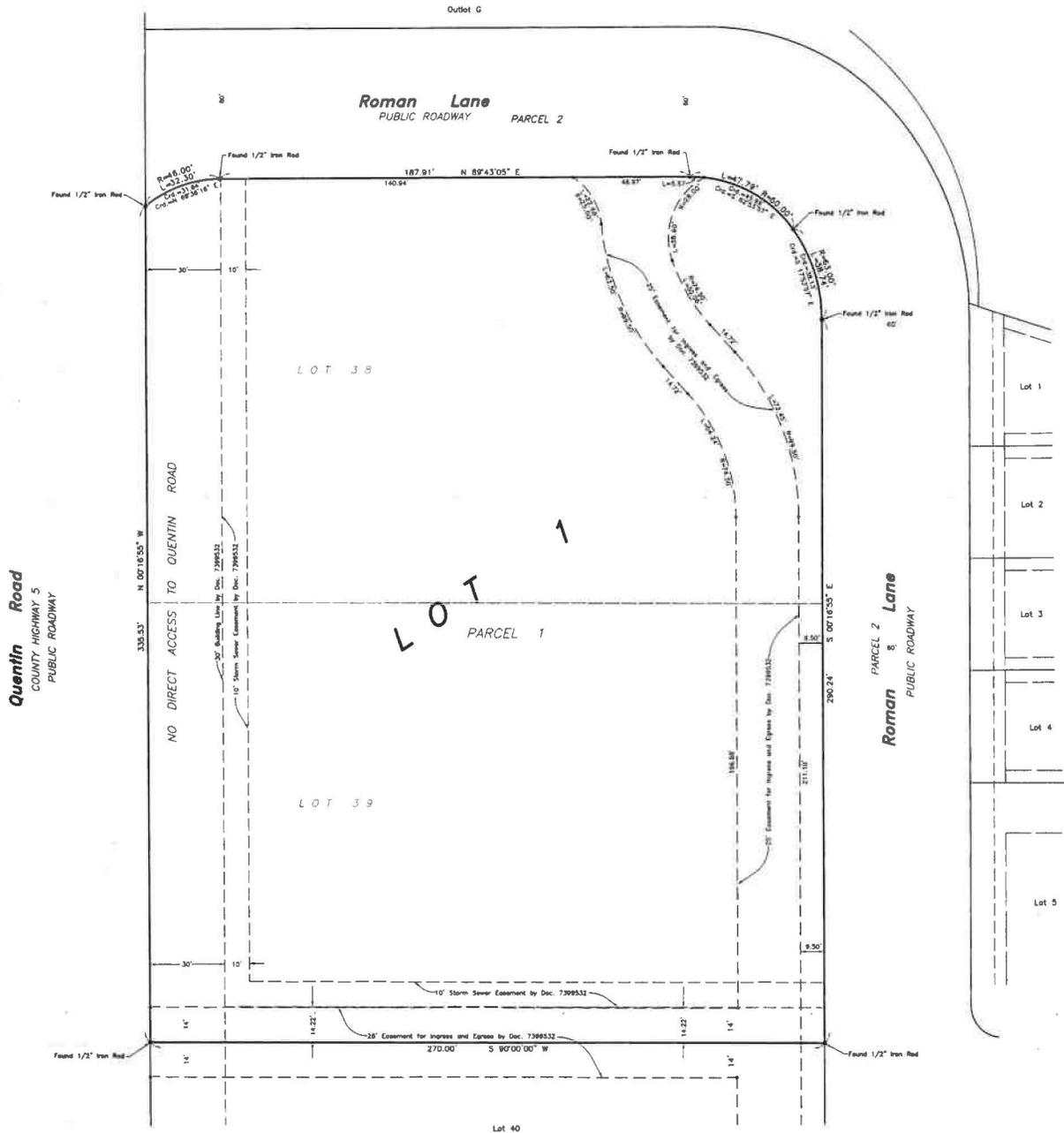


RE. ALLEN AND ASSOCIATES, LTD.
 REGISTERED LAND SURVEYOR
 1001 N. UNIVERSITY AVENUE, SUITE 200
 LINCOLN, NEBRASKA 68502
 PHONE: 402-441-1111
 FAX: 402-441-1112
 WWW.REALLENANDASSOCIATES.COM

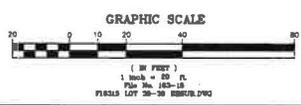
FINAL PLAT MJK RETAIL DEVELOPMENT RESUB

PARCEL 1: LOTS 38 AND 39 IN HAWTHORN TRAILS PHASE 3, BEING A RESUBDIVISION OF PART OF THE EAST HALF OF THE SOUTHWEST QUARTER OF SECTION 15, TOWNSHIP 43 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN ILLINOIS, ACCORDING TO THE PLAT OF SUBDIVISION RECORDED JUNE 2, 2017 AS DOCUMENT 7399532 IN LAKE COUNTY, ILLINOIS

PARCEL 2: EASEMENTS FOR INGRESS AND EGRESS, ACCESS ROAD AND UTILITY FACILITIES FOR THE BENEFIT OF PARCEL 1 CREATED BY THE DECLARATION RECORDED OCTOBER 11, 2019 AS DOCUMENT 7600177.



THE PREMISES COMMONLY KNOWN AS:
101 & 103 ROMAN LANE, HAWTHORN WOOD, IL
LOT 38 AREA = 45,373 S.F.
PIN: 14-15-304-074
LOT 39 AREA = 47,598 S.F.
PIN: 14-15-304-075



FIELDWORK COMPLETED:
CLIENT NAME: MJK Retail Centers Company, LLC
ADDRESS: 1317 Main Street, Suite 201
Morton, IL 62450

NOTES:
PLAT IS VOID if the Impressed Surveyor Seal does not appear.
Only those Building Lines or Easements shown on a Recorded
Subdivision Plat or from a Recorded Document are shown
hereon; check local ordinances before building.

Compare your description and site markings with this plat AT
ONCE report any discrepancies which you may find.

R.E. ALLEN AND ASSOCIATES, LTD.
PROFESSIONAL LAND SURVEYORS
1015 N. CORPORATE CIRCLE, SUITE C
GRAYSLAKE, ILLINOIS 60030
PHONE: 847-223-0914 FAX: 847-223-0980

FINAL PLAT
MJK RETAIL DEVELOPMENT RESUB

EAST HALF OF THE SOUTHWEST QUARTER OF SECTION 15,
TOWNSHIP 43 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL
MERIDIAN, IN ELA TOWNSHIP, IN LAKE COUNTY, ILLINOIS.

OWNER'S CERTIFICATE

STATE OF ILLINOIS)
COUNTY OF LAKE) S.S.
THIS IS TO CERTIFY THAT
I, HENRY HERBERT, DO HEREBY CERTIFY THAT I AM THE OWNER OF THE PROPERTY
DESCRIBED HEREIN AND THAT I HAVE CAUSED THE SAID PROPERTY TO BE SURVEYED AND
CONSOLIDATED AS SHOWN HEREON, FOR THE USES AND PURPOSES THEREIN SET FORTH, AND DO HEREBY
ACKNOWLEDGE AND ADMIT THE SAME UNDER THE TITLE HEREON INDICATED AND STATE THAT I AM
DETERMINED TO THE BEST OF MY KNOWLEDGE THE SCHOOL DISTRICTS IN WHICH EACH OF THE FOLLOWING
LOTS LIE:

GRADE SCHOOL DISTRICT: 79
HIGH SCHOOL DISTRICT: 120
JUNIOR COLLEGE: 332

DATED THIS _____ DAY OF _____ A.D. 20__

OWNER: _____
PRINTED NAME: _____
ADDRESS: _____

NOTARY CERTIFICATE

STATE OF ILLINOIS)
COUNTY OF LAKE) S.S.
I, _____ A NOTARY PUBLIC IN AND FOR SAID COUNTY IN THE STATE
OF ILLINOIS, DO HEREBY CERTIFY THAT I AM PERSONALLY KNOWN TO ME TO BE THE SAME PERSONS WHOSE
NAMES ARE SUBSCRIBED TO THE FOREGOING INSTRUMENTS AS SUCH OFFICERS, APPROVED BEFORE ME THIS
DAY IN PERSON AND ACKNOWLEDGED THAT THEY WISHED AND DELIVERED SAID INSTRUMENT OF THEIR OWN
FREE AND VOLUNTARY ACT AND AS THE FREE AND VOLUNTARY ACT FOR THE USES AND PURPOSES
THEREIN SET FORTH.

DATED UNDER MY HAND AND SEAL THIS _____ DAY OF _____ A.D. 20__

MORTGAGOR'S CERTIFICATE

STATE OF ILLINOIS)
COUNTY OF LAKE) S.S.
I, _____ AS MORTGAGEE UNDER A PROVISION OF A CERTAIN
MORTGAGE DATED _____ AND RECORDED IN THE RECORDER'S
OFFICE OF LAKE COUNTY, ILLINOIS, ON THE _____ DAY OF _____
DOCUMENT NUMBER _____ HEREBY CONSENTS TO AND APPROVES THE
SUBDIVISION AND PLAT HEREON DRAWN.

BY: _____ ATTEST: _____
PRINTED NAME: _____ PRINTED NAME: _____

NOTARY CERTIFICATE

STATE OF ILLINOIS)
COUNTY OF LAKE) S.S.
I, _____ NOTARY PUBLIC IN AND FOR SAID COUNTY AND STATE,
DO HEREBY CERTIFY THAT _____ DO PERSONALLY APPROVE BEFORE ME THIS
DAY IN PERSON AND ACKNOWLEDGE THAT THEY SIGNED THE HEREON DRAWN PLAT AT THEIR FREE
AND VOLUNTARY ACT.

DATED UNDER MY HAND AND SEAL THIS _____ DAY OF _____ A.D. 20__

COUNTY CLERK CERTIFICATE

STATE OF ILLINOIS)
COUNTY OF LAKE) S.S.
I, _____ COUNTY CLERK OF LAKE COUNTY, ILLINOIS, DO HEREBY CERTIFY
THAT THERE ARE NO THAT THERE ARE NO DELINQUENT GENERAL TAXES, UNPAID CURRENT
GENERAL TAXES, DELINQUENT SPECIAL ADJUSTMENTS OR UNPAID CURRENT SPECIAL
ADJUSTMENTS AGAINST ANY OF THE LAND INCLUDED IN THE DESCRIBED PROPERTY. FURTHER
CERTIFY THAT I HAVE RECEIVED ALL STATUTORY FEES IN CONNECTION WITH THE PLAT.

DATED THIS _____ DAY OF _____ A.D. 20__

LAKE COUNTY CLERK

THIS PLAT IS HEREBY APPROVED THIS _____ DAY OF _____ BY THE COUNTY
ENGINEER OF LAKE COUNTY, ILLINOIS, PURSUANT TO CHAPTER 112, ACT 308, SECTION 2 OF THE
ILLINOIS COMPILLED STATUTES AS AMENDED, AS TO ROADWAY ACCESS TO _____
ALSO KNOWN AS _____ DRIVE ACCESS EITHER TO OR FROM _____ HIGHWAY.
SUCH ACCESS SHALL BE SHOWN ON THE PLAT AND SHALL BE SUBJECT TO THE LAKE COUNTY
HIGHWAY ACCESS REGULATION ORDINANCE, WHICH REQUIRES, IN PART, THAT APPLICATION BE MADE AND
AN ACCESS PERMIT BE OBTAINED FROM THE COUNTY ENGINEER OF LAKE COUNTY PRIOR TO ANY
ACCESS INSTALLATION.

LAKE COUNTY ENGINEER

SURFACE WATER DRAINAGE CERTIFICATE

STATE OF ILLINOIS)
COUNTY OF LAKE) S.S.
TO THE BEST OF OUR KNOWLEDGE AND BELIEF THE DRAINAGE OF SURFACE WATERS WILL NOT BE CHANGED
BY THE CONSTRUCTION OF THE RECONSTRUCTION OF ANY PART THEREOF OR THAT IF SUCH SURFACE WATER
DRAINAGE WILL BE CHANGED, REASONABLE PROVISIONS HAVE BEEN MADE FOR COLLECTION AND DIVERSION OF
SUCH SURFACE WATER AND PUBLIC AREAS OR DRAINS WHICH THE SUBDIVIDER HAS A RIGHT TO USE, AND
THAT SUCH SURFACE WATERS WILL BE PLACED FOR IN ACCORDANCE WITH GENERALLY ACCEPTED
ENGINEERING PRACTICES, SO AS TO REDUCE THE UNLAWFULNESS OF DAMAGE TO THE ADJOINING PROPERTY
BECAUSE OF THE CONSTRUCTION OF THE RECONSTRUCTION.

DATED THIS _____ DAY OF _____ A.D. 20__

ILLINOIS PROFESSIONAL ENGINEER _____ OWNER OR OWNER'S ATTORNEY _____

SUBDIVIDER'S AUTHORIZATION TO RECORD

STATE OF ILLINOIS)
COUNTY OF LAKE) S.S.
I, _____ A ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 33-3414, DO
HEREBY AUTHORITY PERMISSION TO
RECORD THIS PLAT AND PROVIDE THIS SURVEYOR A RECORDED COPY OF THE SAME.

DATED AT GRAYSLAKE, ILLINOIS, THIS _____ DAY OF _____ A.D. 20__

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 33-3414
MY LICENSE EXPIRES 11-30-28
PROFESSIONAL DESIGN FIRM NO. 188-002122

IN ACCORDANCE WITH PUBLIC ACT 88-1136, THIS PLAT HAS BEEN SUBMITTED
FOR RECORDING BY:
NAME: _____
ADDRESS: _____
CITY, STATE: _____

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 33-3414
MY LICENSE EXPIRES 11-30-28
PROFESSIONAL DESIGN FIRM NO. 188-002122

VILLAGE PLANNING, BUILDING & ZONING COMMISSION

STATE OF ILLINOIS)
COUNTY OF LAKE) S.S.
I, _____ CHAIRMAN OF THE VILLAGE OF HAWTHORN WOODS PLAN COMMISSION,
DO HEREBY CERTIFY THAT THE PLAT OF RECONSTRUCTION HAS BEEN REVIEWED AND APPROVED BY THE
PLAN COMMISSION OF THE VILLAGE OF HAWTHORN WOODS, APPROVED BY THE PLAN
COMMISSION OF THE VILLAGE OF HAWTHORN WOODS, ILLINOIS.

PLAN COMMISSION CHAIRMAN

VILLAGE CLERK

STATE OF ILLINOIS)
COUNTY OF COOK) S.S.
I, _____ CLERK OF THE VILLAGE OF HAWTHORN WOODS, DO HEREBY
CERTIFY THAT THE SUBJECT PLAT WAS DULY APPROVED BY THE VILLAGE OF HAWTHORN WOODS.

DATED ON THIS _____ DAY OF _____ A.D. 20__

VILLAGE CLERK

VILLAGE COLLECTOR'S CERTIFICATE

STATE OF ILLINOIS)
COUNTY OF LAKE) S.S.
I, _____ VILLAGE COLLECTOR FOR THE VILLAGE OF HAWTHORN WOODS,
LAKE COUNTY, ILLINOIS, DO HEREBY CERTIFY THAT THERE ARE NO DELINQUENT OR UNPAID CURRENT
OR DEFERRED SPECIAL ADJUSTMENTS OR ANY DEFERRED INSTALLMENTS THEREOF THAT HAVE BEEN
APPROPRIATED AGAINST THE TRACT OF LAND INCLUDED IN THE SUBJECT PLAT.

DATED THIS _____ DAY OF _____ A.D. 20__

VILLAGE COLLECTOR

VILLAGE ENGINEER CERTIFICATE

STATE OF ILLINOIS)
COUNTY OF COOK) S.S.
I, _____ VILLAGE ENGINEER FOR THE VILLAGE OF HAWTHORN WOODS,
ILLINOIS, DO HEREBY CERTIFY THAT I HAVE REVIEWED THE PROPOSED RECONSTRUCTION AND THAT MY
APPROVAL HAS BEEN GIVEN TO ALL PROPOSED OR EXISTING PUBLIC IMPROVEMENTS.

DATED THIS _____ DAY OF _____ A.D. 20__

VILLAGE ENGINEER

VILLAGE BOARD

STATE OF ILLINOIS)
COUNTY OF LAKE) S.S.
APPROVED BY THE MAYOR AND THE VILLAGE BOARD OF THE VILLAGE OF HAWTHORN WOODS, LAKE COUNTY,
ILLINOIS, IN ACCORDANCE WITH SUBDIVISION REGULATIONS, AT A MEETING HELD THIS _____ DAY OF _____

SIGNED: _____ MAYOR _____ VILLAGE CLERK _____

INGRESS / EGRESS EASEMENTS
AN EGRESS IS HEREBY RESERVED AND GRANTED TO THE VILLAGE OF HAWTHORN
WOODS, ITS AGENTS, SUCCESSORS AND ASSIGNS, OVER OR ACROSS AND UNDER
THOSE PORTIONS OF THE LAND MARKED "EASEMENT FOR INGRESS/EGRESS" OR
"INGRESS/EGRESS/ACCESS EASEMENT" OR "INGRESS/EGRESS/ACCESS
EASEMENT" ON THE PLAT FOR THE FULL AND FREE RIGHT AND AUTHORITY TO
MAINTAIN RIGHTS OF ACCESS ACROSS THE PROPERTY
WHERE THE EASEMENT IS DESIGNATED "PEDIESTRIAN", OR "VEHICULAR TRAFFIC",
SUCH AS ALLOWED IN THE EVENT THE HAWTHORN TRAILS PHASE 3 SINGLE FAMILY
HOMES HOMEOWNERS ASSOCIATION OR SUBSEQUENT PUNCH-WATER FALL TO
THE HAWTHORN TRAILS PHASE 3 SINGLE FAMILY HOMES HOMEOWNERS ASSOCIATION,
ILLINOIS, OR ANY OTHER UNIT OF LOCAL GOVERNMENT HAVING JURISDICTION,
SHALL SHOW UPON THE PLAT AND SHALL BE SUBJECT TO THE LAKE COUNTY
MAINTENANCE WORK TO OR FOR THE EASEMENT AREA, ANY MAINTENANCE WORK TO
OR FOR THE EASEMENT AREA IN THE EVENT THE VILLAGE OF HAWTHORN WOODS,
ILLINOIS, OR ANY OTHER UNIT OF LOCAL GOVERNMENT HAVING JURISDICTION SHALL
BE REQUIRED TO MAINTAIN OR MAKE PERFORM OR MAKE PERFORM ANY MAINTENANCE
WORK TO OR FOR THE EASEMENT AREA, THE COST, TOGETHER
WITH AN ADDITIONAL FIVE (5) PERCENT OF SAID COST, SHALL UPON
RECORDATION OF A NOTICE OF LIEH WITHIN NINETY (90) DAYS OF COMPLETION OF
THE WORK, CONTRACTOR'S A LAIN MAINTENANCE LOTS OR OUTLOTS CREATED BY THIS PLAT
THAT MAY BE FORECLOSED BY ANY ACTION BROUGHT BY OR ON BEHALF OF THE
VILLAGE OF HAWTHORN WOODS, ILLINOIS.

SEWER EGRESS EASEMENTS
A PERMANENT NON-EXCLUSIVE EASEMENT IS HEREBY RESERVED FOR AND
GRANTED TO LAKE COUNTY PUBLIC WORKS DEPARTMENT ("LCPWD") AND THEIR
SUCCESSORS AND ASSIGNS, OVER AND UNDER, TO INSTALL, REPAIR,
REPLACE, OPERATE, MAINTAIN AND REMOVE FROM THE SAID FACILITIES
USED IN CONNECTION WITH THE UNDERGROUND AND ABOVE GROUND
TRANSMISSION AND/OR COLLECTION OF SANITARY SEWER SERVICE. THIS
EASEMENT SHALL EXTEND IN UNDER, ACROSS, ALONG AND OVER THE SURFACE
OF THE PROPERTY SHOWN AND LABELED "SANITARY SEWER EASEMENT".
THIS EASEMENT SHALL GRANT THE RIGHT OF UNOBTAINED ACCESS FOR
INGRESS AND EGRESS TO SANITARY SEWER EASEMENTS ON THIS PLAT, THE RIGHT
TO CUT, TRIM OR REMOVE PRESENTS, TREES, BUSHES AND ANY OTHER
REASONABLY REQUIRED NECESSARY TO THE RIGHT HEREIN GRANT, AND THE RIGHT TO
ENTER UPON THE SUBDIVIDED PROPERTY FOR ALL THESE PURPOSES.
NO PERMANENT STRUCTURES, UTILITIES OR OTHER OBSTRUCTIONS SHALL BE
PLACED OVER SANITARY FACILITIES OR IN UPON OR OVER EASEMENT OR WITHIN
7.5 FEET EITHER SIDE OF LOWD FACILITIES WITHOUT WRITTEN CONSENT OF
GRANTEE.
THE LOCATION OF THE FACILITIES BY GRANTEE SHALL NOT COMPLY OF
TOGETHER WITH OTHER PREVIOUSLY INSTALLED PUBLIC IMPROVEMENTS AND ANY
CONFLICTS IN SUBSEQUENT USE SHALL BE SUBJECT TO NORMAL RESOLUTION AND
APPROVAL BY LCPWD.
IN THE EVENT THE GRANTEE ENTERS UPON ANY EASEMENT FOR PURPOSES HEREIN
STATED, SAID GRANTEE SHALL BE RESPONSIBLE ONLY FOR RESTORING THE GRADE
OF THE PROPERTY, ANY REMOVED PRESENTS AND RE-ESTABLISHING GRASS IN
AFFECTED GRASSY AREAS.

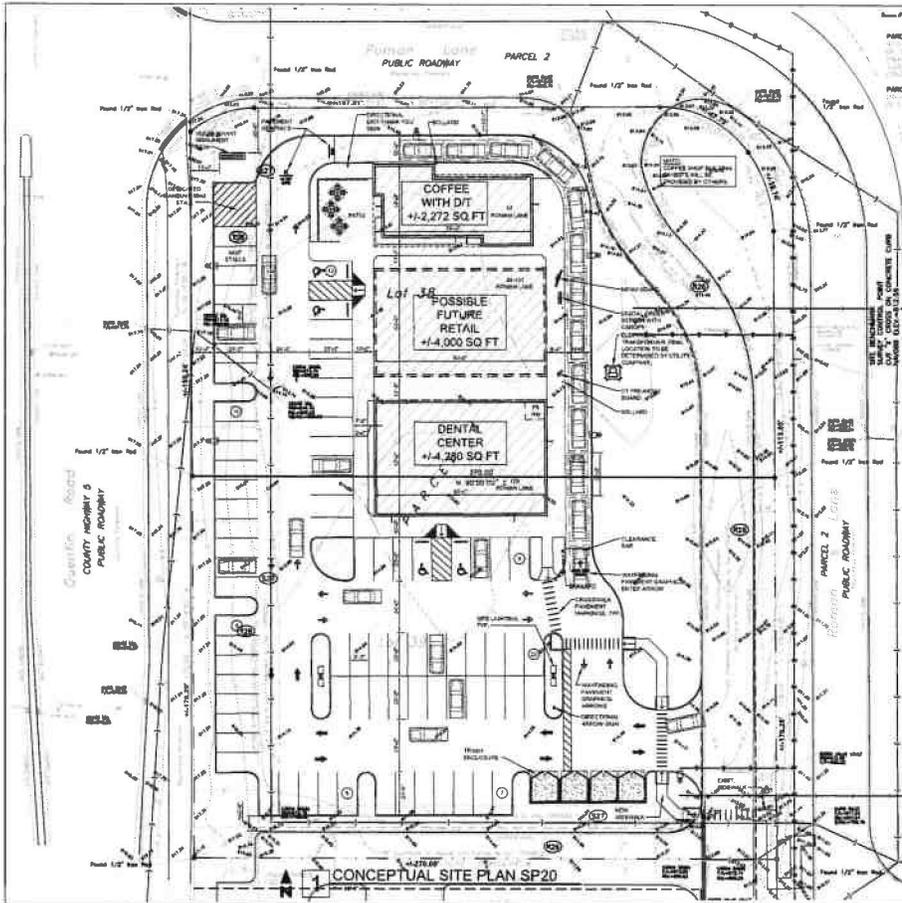
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HAWTHORN WOODS, THEIR AGENTS, SUCCESSORS AND ASSIGNS, OVER, UNDER, ACROSS
AND UNDER THAT PORTION OF THE LAND MARKED "STORM SEWER EASEMENT" ON
THE PLAT FOR THE FULL AND FREE RIGHT AND AUTHORITY TO INSTALL,
CONSTRUCT, AND OTHERWISE ESTABLISH, RELOCATE, REMOVE, REPLACE,
OPERATE, MAINTAIN, REPAIR AND MAINTAIN STORM SEWER SERVICE,
MANHOLE, BELLS, SEWER SERVICE CONNECTIONS AND SUCH OTHER
APPROPRIATE FACILITIES AS MAY BE DEEMED NECESSARY TOGETHER WITH
RIGHT OF ACCESS TO THE PROPERTY FOR NECESSARY WORKERS AND EQUIPMENT TO
DO ANY OF THE SAID WORK. NO STRUCTURES SHALL BE ERRECTED WITHIN
EASEMENTS, BUT SAID EASEMENTS MAY BE USED FOR OTHER PURPOSES THAT DO
NOT NOW OR LATER CONFLICT WITH THE SAID WORK.
REASONABLY NECESSARY TO THE RIGHT HEREIN GRANT, AND THE RIGHT TO
ENTER UPON THE SUBDIVIDED PROPERTY FOR ALL THESE PURPOSES.
NO PERMANENT STRUCTURES, UTILITIES OR OTHER OBSTRUCTIONS SHALL BE
PLACED OVER SANITARY FACILITIES OR IN UPON OR OVER EASEMENT OR WITHIN
7.5 FEET EITHER SIDE OF LOWD FACILITIES WITHOUT WRITTEN CONSENT OF
GRANTEE.
THE LOCATION OF THE FACILITIES BY GRANTEE SHALL NOT COMPLY OF
TOGETHER WITH OTHER PREVIOUSLY INSTALLED PUBLIC IMPROVEMENTS AND ANY
CONFLICTS IN SUBSEQUENT USE SHALL BE SUBJECT TO NORMAL RESOLUTION AND
APPROVAL BY LCPWD.
IN THE EVENT THE GRANTEE ENTERS UPON ANY EASEMENT FOR PURPOSES HEREIN
STATED, SAID GRANTEE SHALL BE RESPONSIBLE ONLY FOR RESTORING THE GRADE
OF THE PROPERTY, ANY REMOVED PRESENTS AND RE-ESTABLISHING GRASS IN
AFFECTED GRASSY AREAS.

PUBLIC UTILITY EASEMENTS
EASEMENTS ARE HEREBY RESERVED FOR AND GRANTED TO THE HAWTHORN TRAILS
PHASE 3 SINGLE FAMILY HOMES HOMEOWNERS ASSOCIATION AND THE VILLAGE OF
HAWTHORN WOODS, THEIR AGENTS, SUCCESSORS AND ASSIGNS, OVER, UNDER, ACROSS
AND UNDER THAT PORTION OF THE LAND MARKED "PUBLIC UTILITY EASEMENT" ON
"UTILITY" ON THE PLAT FOR THE FULL AND FREE RIGHT AND AUTHORITY TO
INSTALL, CONSTRUCT, ESTABLISH, RELOCATE, REMOVE, REPLACE,
OPERATE, MAINTAIN, REPAIR AND MAINTAIN GAS AND ELECTRIC TRANSMISSION LINES
AND SERVICES, STORM SEWER SERVICE CONNECTIONS AND SUCH OTHER APPROPRIATE
FACILITIES AND SERVICES AS MAY BE DEEMED NECESSARY TOGETHER WITH
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AFFECTED GRASSY AREAS.

FIELDWORK COMPLETED:
CLIENT NAME: MJK Real Estate Holding Company, LLC
ADDRESS: 1814 Illinois Prairie Path, Suite 201
Burr Ridge, IL 60521

NOTES:
PLAT IS VOID IF THE Impressed Surveyor Seal does not appear.
Only those Building Lines or Easements shown on a Recorded
Subdivision Plat or from a Recorded Document are shown
hereon; check local ordinances before building.

RE ALLEN AND ASSOCIATES, LTD.
PROFESSIONAL LAND SURVEYORS
1015 N. CORPORATE CIRCLE, SUITE C
GRAYSLAKE, ILLINOIS 60530
PHONE: 847-233-0814 FAX: 847-233-0880



SITE DATA:

LOT AREA:
 LOT 30: 104,315 SQ. FT. (2.40 ACRES)
 LOT 31: 147,788 SQ. FT. (3.36 ACRES)
 COMBINED TOTAL: 252,103 SQ. FT. (5.76 ACRES)

PARCEL:
 PARCEL 2: 103,800 SQ. FT. (2.38 ACRES)
 PARCEL ADDRESS: 97, 99-101 & 103 ROMAN LANE, HAWTHORN WOODS, IL 60047

BUILDING HEIGHT RESTRICTIONS:
 ALLOWABLE MAX. BUILDING HEIGHT: 35 FEET (3-STORY)
 HAWTHORN CENTRAL PROPOSED BUILDING HEIGHT: 35 FEET
 FURNISHED PROPOSED BUILDING HEIGHT: 35 FEET

BUILDING FOOTPRINTS:

| | |
|----------------------------|-----------------------|
| TRAVEL LANE | 4,280 SQ. FT. |
| PROPOSED HAWTHORN CENTRAL | 2,272 SQ. FT. |
| PROPOSED FUTURE BUILDING | 4,000 SQ. FT. |
| OTHER BUILDING AREA | 1,448 SQ. FT. |
| TOTAL BUILDING AREA | 12,000 SQ. FT. |

PERMITTED OFF-PARCEL SERVICES:
 SERVICE SURFACE AREA: 211,500 SQ. FT.
 SERVICE SURFACE: 127,488 SQ. FT. (LANDSCAPE)
 LOT CONTAINING: 83,912 SQ. FT. (3.91 ACRES)
 PAR: 18,288 SQ. FT. (42,171 SQ. FT. = 1.11 ACRES)

PERMITTED OFF-PARCEL SERVICES:
 SIGNAGE: 1. SIGNAGE SHALL BE LIMITED TO THE EXTERIOR OF THE BUILDING.
 • SIGNAGE SHALL BE LIMITED TO 10% OF THE TOTAL FLOOR AREA OF THE BUILDING.
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REQUIRED PARKING:

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|-------------------------|-----------|
| RESTAURANT/ETABLISHMENT | 14 |
| OFFICE/RETAIL | 20 |
| TOTAL | 34 |

PARKING PROVIDED:
 20 STALLS INCLUDING 14 ADA ACCESSIBLE STALLS
 STALL SET AS SHOWN PROVIDED: 20 x 10 FT.

ASOOCIATES
 Soos & Associates, Inc.
 Architects
 110 EAST WASHINGTON STREET, SUITE 200
 NORTHFIELD, ILLINOIS 60063
 PHONE: 815/427-1000
 FAX: 815/427-1001

MJK Real Estate Holding Company
 1822 Willow Road, Suite 201
 Northfield, IL 60093

**MJK HAWTHORN WOODS
 RETAIL DEVELOPMENT**

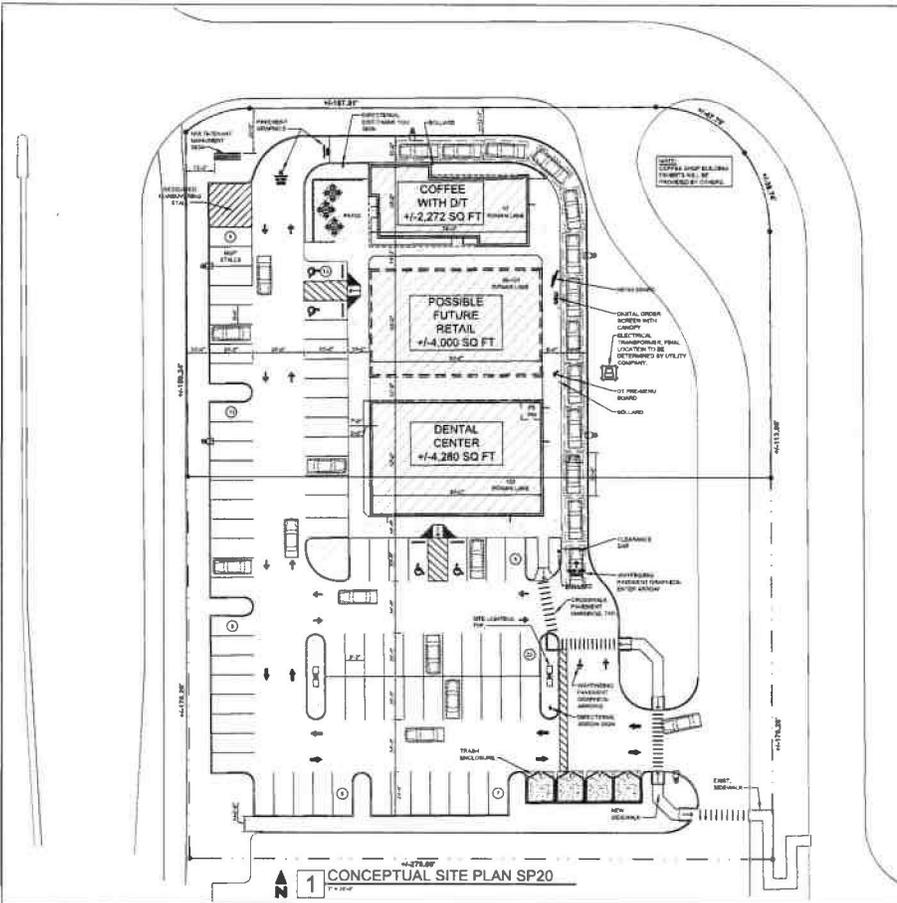
97, 99-101 & 103 ROMAN LANE
 HAWTHORN WOODS, IL 60047

ISSUE FOR REVIEW

Date: JUNE 13, 2024
 Job Number: 24-017 MJK
 Drawn: 8008
 Checked: 8008
 Approved: 8008

SITE PLAN

A-05



SITE DATA:

LOT AREA: 144,173 SQ FT (3.32 ACRES)
 LOT 99-101 & 103 ROMAN LANE: 144,173 SQ FT (3.32 ACRES)
 COMBINED TOTAL LOT AREA: 144,173 SQ FT (3.32 ACRES)

ZONING: COMMERCIAL CENTER & RETAIL BUSINESS CENTER (CC-BUSINESS CENTER)
 ORDINANCE NO. 15-04-0001 (ADOPTED 10/11/15)

PARCEL ADDRESS: 101 & 103 ROMAN LANE, HAWTHORN WOODS, IL 60047

BUILDING HEIGHT RESTRICTIONS:
 IN EXISTING BUILDING: 15 FT
 IN NEW BUILDING: 15 FT
 IN EXISTING BUILDING: 15 FT
 IN NEW BUILDING: 15 FT

MAXIMUM FLOOR LOADS:
 TRAFFIC LOAD: 4.00 SQ FT
 PROPOSED STAMBOULS: 2.00 SQ FT
 PROPOSED FUTURE BLDG: 2.00 SQ FT
 OTHER BUILDING AREA: 1.00 SQ FT

PROPOSED DEVELOPMENT:
 COFFEE WITH D/T: +/-2,272 SQ FT
 POSSIBLE FUTURE RETAIL: +/-4,000 SQ FT
 DENTAL CENTER: +/-4,280 SQ FT
 COFFEE SHOP BUILDING: +/-1,000 SQ FT
 TOTAL FLOOR AREA: +/-11,552 SQ FT
 LOT COVERAGE: 80.00% (11,552 SQ FT / 144,173 SQ FT) = 8.00%
 F.P.P. 15.00% (21,828 SQ FT / 144,173 SQ FT)

PROPOSED DEVELOPMENT:
 ALL BUILDINGS TO BE CONSTRUCTED IN ACCORDANCE WITH THE HAWTHORN WOODS ZONING ORDINANCE AND THE HAWTHORN WOODS SUBDIVISION MAP. THE PROPOSED DEVELOPMENT IS SUBJECT TO THE REVIEW AND APPROVAL OF THE HAWTHORN WOODS VILLAGE BOARD AND THE HAWTHORN WOODS VILLAGE ENGINEER. THE PROPOSED DEVELOPMENT IS SUBJECT TO THE REVIEW AND APPROVAL OF THE HAWTHORN WOODS VILLAGE BOARD AND THE HAWTHORN WOODS VILLAGE ENGINEER. THE PROPOSED DEVELOPMENT IS SUBJECT TO THE REVIEW AND APPROVAL OF THE HAWTHORN WOODS VILLAGE BOARD AND THE HAWTHORN WOODS VILLAGE ENGINEER.

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ASO ASSOCIATES
 Soos & Associates, Inc.
 Architects

1522 Willow Road, Suite 201
 Northfield, IL 60093

MJK Real Estate Holding Company
 1522 Willow Road, Suite 201
 Northfield, IL 60093

**MJK HAWTHORN WOODS
 RETAIL DEVELOPMENT**

99-101 & 103 ROMAN LANE
 HAWTHORN WOODS, IL 60047

Issue for Review

DATE: JUNE 13, 2024
 JOB NUMBER: 24-001 MJK
 DESIGNER: MJK
 CHECKED: MJK
 APPROVED: MJK

SITE PLAN

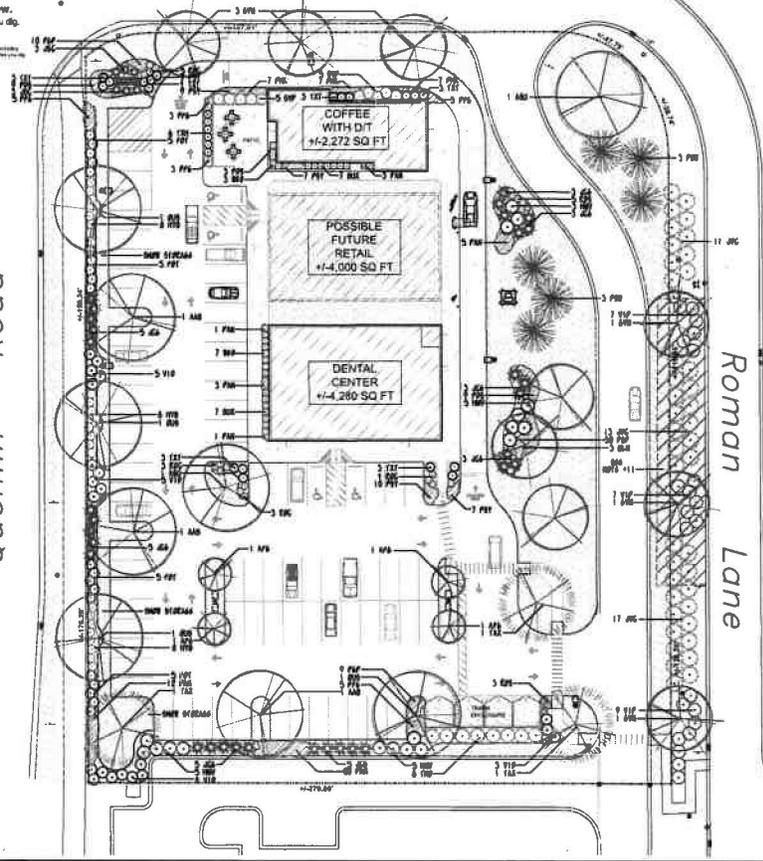
A-05

811
Know what's below.
Call before you dig.

Roman Lane

Quentin Road

Roman Lane



PLANT LIST

| QTY CODE | PLANT NAME | SIZE |
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1. SUBMITTALS LISTED ARE NECESSARY FOR COMMERCIAL. CONTRACTOR SHALL VERIFY ALL MATERIALS SUBMITTED ON SITE.
2. ALL PLANT MATERIAL IS TO BE DELIVERED TO THE PROJECT SITE WITH THE ACCEPTANCE OF THE CITY AND COUNTY. ALL PLANT MATERIAL TO BE DELIVERED TO THE PROJECT SITE WITH THE ACCEPTANCE OF THE CITY AND COUNTY. ALL PLANT MATERIAL TO BE DELIVERED TO THE PROJECT SITE WITH THE ACCEPTANCE OF THE CITY AND COUNTY.
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12. ALL PLANTING SHALL BE INSTALLED WITHIN THE TIME FRAME OF 90 DAYS FROM THE DATE OF THE CONTRACT SIGNING.



Landscape Plan

Scale 1" = 20'
DATE: 12-06-21
SCALE: AS SHOWN
DRAWN: PAC
SHEET: L-1
OF: 10

COURTNEE
Landscape Construction
1000 S. 10th Street, Suite 100
Tulsa, Oklahoma 74106
Phone: (918) 438-1111
www.courtneelandscape.com

Patent Development
Ryan Fox
Thomas W. White

BJM

DATE: 12-06-21
SCALE: AS SHOWN
DRAWN: PAC
SHEET: L-1
OF: 10

LANDSCAPE SPECIFICATIONS

SECTION 0001

LANDSCAPE WORK

PART 1 GENERAL

1.01 SUMMARY

CONTINUE SECTION 0002 TREE AND SHRUB PLANTING

1.02 SUBPARTS

PART 3 EXECUTION

3.01 INSTALLATION

COLUMBIA
Landscape Contractors
12000 Columbia Blvd., Suite 100, Columbia, MD 21046
Tel: 410-730-1200
Fax: 410-730-1201
www.columbiacorp.com

Retain Development
P.O. Box 100
Jesse White
Jesse White

SCALE
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12-06-21

SCALE
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DATE
12-06-21

SCALE
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12-06-21

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12-06-21

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12-06-21

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DATE
12-06-21

SCALE
1" = 0'-0.0000000000000000003252

LANDSCAPE SPECIFICATIONS

SECTION 00001

SEEDING

PART 1 GENERAL

- 1.01 SUMMARY
- 1.02 QUALITY ASSURANCE
- 1.03 DELIVERY, STORAGE, AND HANDLING
- 1.04 PRELIMINARY CONDITIONS

- 1.01 SUMMARY
 - A. SEEDING
- 1.02 QUALITY ASSURANCE
 - A. COMPLY WITH LOCAL AGENCY REGULATIONS
- 1.03 DELIVERY, STORAGE, AND HANDLING
 - A. DELIVER SEED AND FERTILIZER MATERIALS IN ORIGINAL MANUFACTURER'S BAGS, KEYS, AND TUBS
- 1.04 PRELIMINARY CONDITIONS
 - A. SOIL ANALYSIS

1.05 DELIVERY, STORAGE, AND HANDLING

PART 2 PRODUCTS

- 2.01 MATERIALS
- 2.02 PREPARATION
- 2.03 SEEDING
- 2.04 FERTILIZATION

PART 3 EXECUTION

- 3.01 PREPARATION
- 3.02 SEEDING
- 3.03 FERTILIZATION
- 3.04 WATERING

CONTINUED SECTION 00001 - SEEDING

- 3.01 PREPARATION
 - A. SEEDING
- 3.02 SEEDING
 - A. SEEDING
- 3.03 FERTILIZATION
 - A. FERTILIZATION
- 3.04 WATERING
 - A. WATERING

SECTION 00005

SODDING

PART 1 GENERAL

- 1.01 SUMMARY
- 1.02 QUALITY ASSURANCE
- 1.03 DELIVERY, STORAGE, AND HANDLING
- 1.04 PRELIMINARY CONDITIONS

- 1.01 SUMMARY
 - A. SODDING
- 1.02 QUALITY ASSURANCE
 - A. COMPLY WITH LOCAL AGENCY REGULATIONS
- 1.03 DELIVERY, STORAGE, AND HANDLING
 - A. DELIVER SODS AND FERTILIZER MATERIALS IN ORIGINAL MANUFACTURER'S BAGS, KEYS, AND TUBS
- 1.04 PRELIMINARY CONDITIONS
 - A. SOIL ANALYSIS

PART 2 PRODUCTS

- 2.01 MATERIALS
- 2.02 PREPARATION
- 2.03 SEEDING
- 2.04 FERTILIZATION

CONTINUED SECTION 00005 - SODDING

PART 3 EXECUTION

- 3.01 PREPARATION
- 3.02 SEEDING
- 3.03 FERTILIZATION
- 3.04 WATERING

END

COURTNEY
Landscape Construction
10000 1st Avenue, Suite 100
Boulder, Colorado 80501
Phone: 303.440.1111
Fax: 303.440.1112
www.courtneylandscape.com

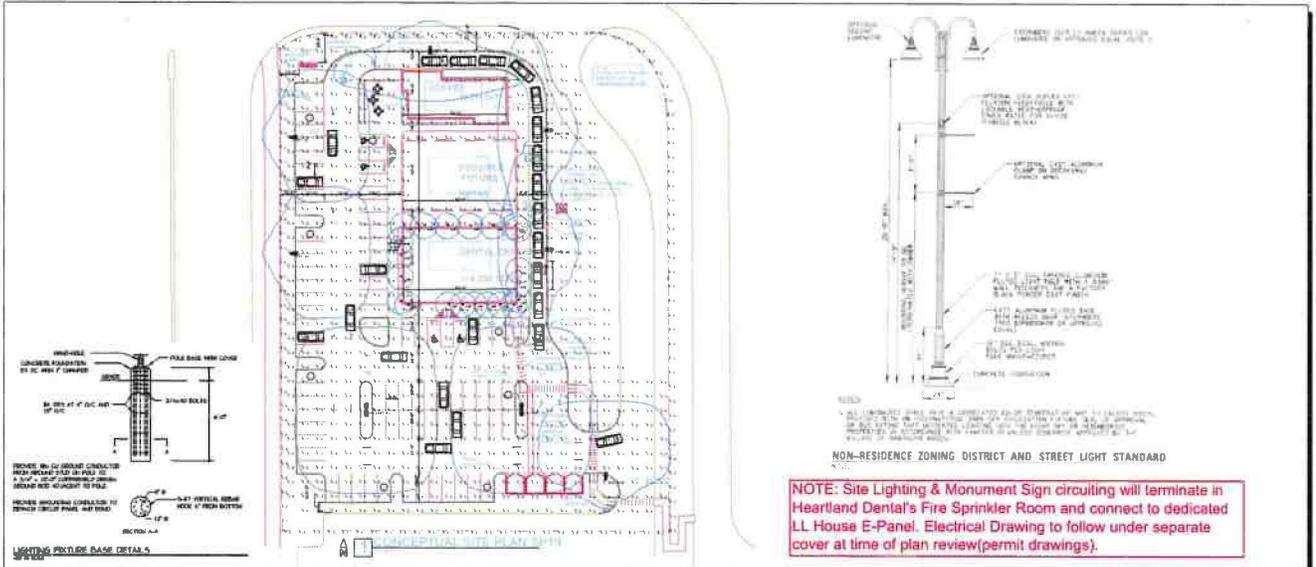
Retail Development
Diana J. Fox
303.440.1111

MJK

DATE 12-06-21
SCALE AS SHOWN
DESIGN
CONTRACT PAC
NO. OF SHEETS L-4
OF TOTAL 10

| Luminaire Schedule | | | | | | | | | |
|--------------------|-----|---|-------------|---|-------------|-------|------------------|-----------------|-------------|
| Symbol | Qty | Label | Arrangement | Description | Tag | LLF | Luminaire Lumens | Luminaire Watts | Total Watts |
| ⊖ | 21 | Kirlin - LWC-09RDI-2500L-2500U-MFL-MFU-30K-UNV, Wall Pack | Single | LWC-09RDI-2500L-2500U-MFL-MFU-30K-UNV, Fixtures 9' MH | LWC | 0.900 | 5623 | 54 | 1134 |
| ⋮ | 2 | Sternberg - Combo Pole - (2) Fixtures 180° Apart | GROUP | (2) 2A-1527LED-24L30T4-MDL014-FG, 25' MH, 2 Fixtures 180° Apart | (-2)1527,T4 | 0.900 | N.A. | N.A. | 348.4 |
| ⊖ | 3 | Sternberg - 1A-1527LED-24L-30-T4-MDL014-FG Arm Mount | Single | 1A-1527LED-24L30T4-MDL014-FG, 25' MH, 2' Arm | 1527,T4 | 0.900 | 10137 | 87.1 | 261.3 |
| ⊖ | 3 | Sternberg - 1A-1527LED-24L-30-T3-MDL014-FG, Arm Mount | Single | 1A-1527LED-24L30T3-MDL014-FG, 25' MH, 2' Arm | 1527,T3 | 0.900 | 9812 | 87.1 | 261.3 |

| Calculation Summary | | | | | | | |
|------------------------------|-------------|-------|------|------|-----|---------|---------|
| Label | CalcType | Units | Avg | Max | Min | Avg/Min | Max/Min |
| Area CalcPts 10' OC | Illuminance | Fc | 1.86 | 47.5 | 0.1 | 18.60 | 475.00 |
| Property Line CalcPts 10' OC | Illuminance | Fc | 0.24 | 1.2 | 0.0 | N.A. | N.A. |



Not to Scale



| # | Date | Comments |
|---|------|----------|
| | | |
| | | |

| |
|-----------------|
| Drawn By: VPE |
| Drawing #: 4032 |
| Date: 1/31/2025 |
| Scale: |

MJK Hawthorn Woods
Hawthorn Woods, IL



CONCEPTUAL SITE PLAN SP19

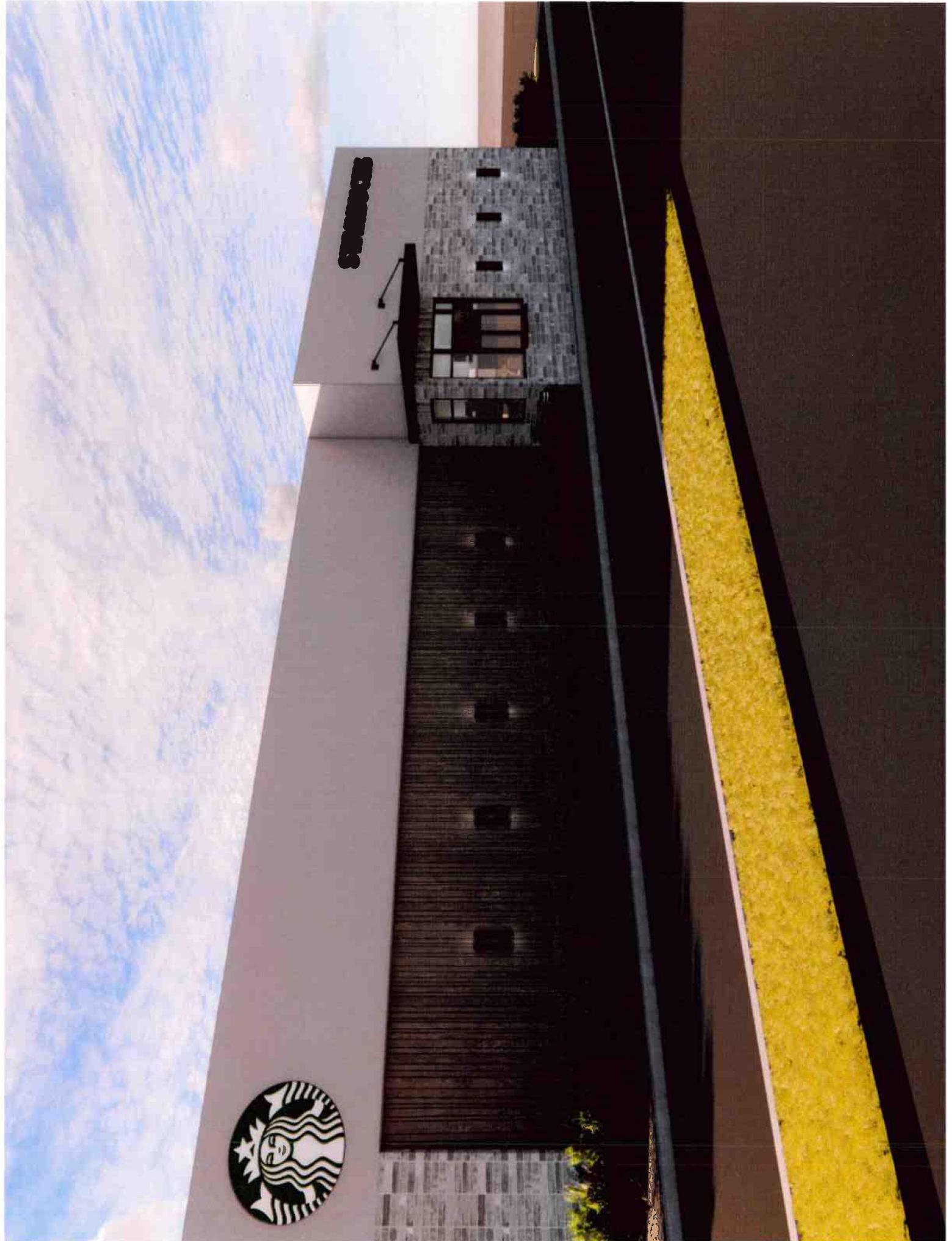
Scale: 1 inch= 40 Ft.



| # | Date | Comments |
|---|------|----------|
| | | |
| | | |

| |
|-----------------|
| Drawn By: VPE |
| Drawing #: 4032 |
| Date: 1/31/2025 |
| Scale: |

MJK Hawthorn Woods
Hawthorn Woods, IL



Starbucks



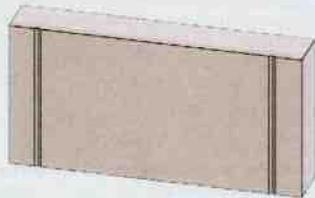


STARBUCKS

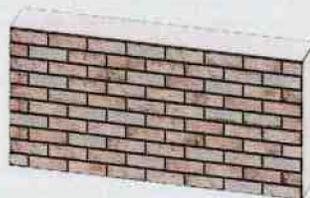


Proposed Materials – Parchment

| MANUFACTURER | PRODUCT LINE | COLOR / FINISH | LINKS | NOTES |
|----------------|-------------------|-------------------------------------|--|---|
| Dryvit | Sandpebble Fine | MATCH TO SW7507 STONE LION | Dryvit | |
| MANUFACTURER | PRODUCT LINE | COLOR / FINISH | LINKS | NOTES |
| Eldorado Stone | TundraBrick | Latigo | TundraBrick Latigo | Specmix Mortar SM300 - Light Buff |
| MANUFACTURER | PRODUCT LINE | COLOR / FINISH | LINKS | NOTES |
| Abodo | Exterior Cladding | Teak Varying Widths T&G, Nickel Gap | Teak Cladding @ ReSAWN | Special pricing agreement thru ReSAWN Thermally modified exterior grade wood |



Dryvit



Eldorado Stone



Abodo

Proposed Materials – Loam

| MANUFACTURER | PRODUCT LINE | COLOR / FINISH | LINKS | NOTES |
|----------------|-------------------|-------------------------------------|--|---|
| Dryvit | Sandpebble Fine | MATCH TO RAL7013 BROWN GREY | Dryvit | |
| MANUFACTURER | PRODUCT LINE | COLOR / FINISH | LINKS | NOTES |
| Eldorado Stone | TundraBrick | Riverbed | tundrabrick_Riverbed | Specmix Mortar SM600 - Dark Brown |
| MANUFACTURER | PRODUCT LINE | COLOR / FINISH | LINKS | NOTES |
| Abodo | Exterior Cladding | Teak Varying Widths T&G, Nickel Gap | "Teak" Cladding @ ReSAWN | Special pricing agreement thru ReSAWN Thermally modified exterior grade wood |



Dryvit



Eldorado Stone



Abodo

Proposed Materials – Foliage

| MANUFACTURER | PRODUCT LINE | COLOR / FINISH | LINKS | NOTES |
|----------------|-------------------|--|--------------------------------------|--|
| Dryvit | Sandpebble Fine | MATCH TO RAL7016 ANTHRACITE GREY | Dryvit | |
| MANUFACTURER | PRODUCT LINE | COLOR / FINISH | LINKS | NOTES |
| Eldorado Stone | TundraBrick | Ironside | TundraBrick-Ironside | Specmix Mortar SM800 - Black |
| MANUFACTURER | PRODUCT LINE | COLOR / FINISH | LINKS | NOTES |
| Accoya | Exterior Cladding | Watson 1C Varying Widths T&G, Nickel Gap | Watson 1C @ ReSAWN | Special pricing agreement thru ReSAWN Chemically modified exterior grade wood |



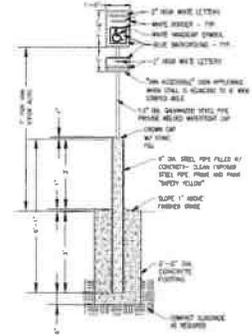
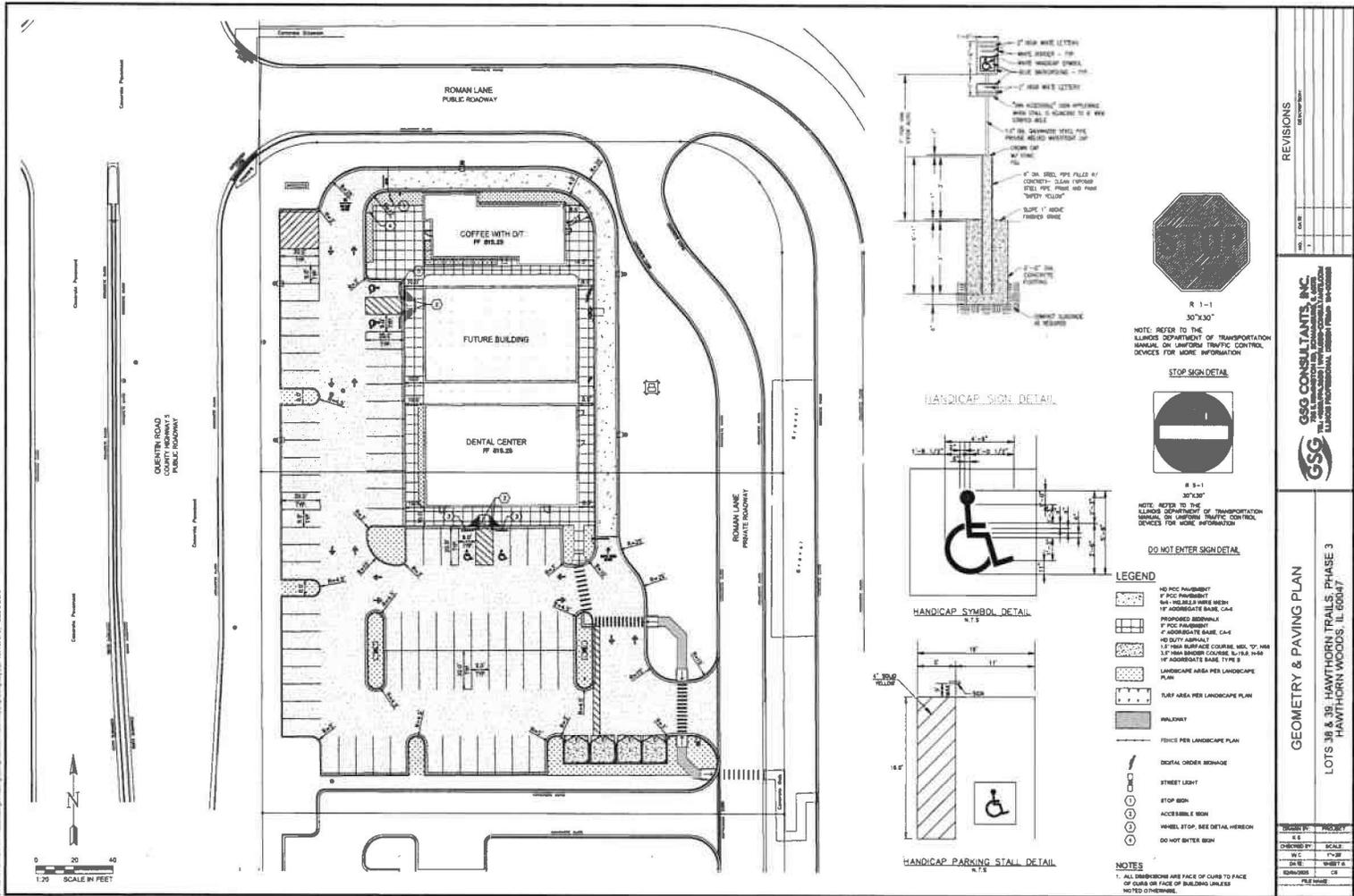
Dryvit



Eldorado Stone



Accoya



R 3-1
30"x30"

NOTE: REFER TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR MORE INFORMATION.

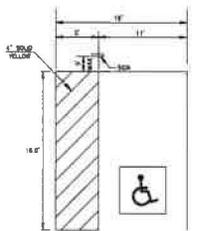


DO NOT ENTER SIGN DETAIL

NOTE: REFER TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR MORE INFORMATION.



HANDICAP SYMBOL DETAIL
A.1.2



HANDICAP PARKING STALL DETAIL
A.1.3

- LEGEND**
- NO POC PAVEMENT
 - POC PAVEMENT
 - NO POC PAVEMENT
 - PROPOSED ASPHALT
 - POC PAVEMENT
 - POC PAVEMENT
 - POC PAVEMENT
 - LANDSCAPE AREA PER LANDSCAPE PLAN
 - TURF AREA PER LANDSCAPE PLAN
 - WALKWAY
 - FENCE PER LANDSCAPE PLAN
 - DIGITAL UNDER SIGNAGE
 - STREET LIGHT
 - STOP SIGN
 - ACCESSIBLE SIGN
 - WHEEL STOP, SEE DETAIL HEREON
 - DO NOT ENTER SIGN

NOTES

1. ALL DIMENSIONS ARE FACE OF CURB TO FACE OF CURB OR FACE OF BUILDING UNLESS NOTED OTHERWISE.

| REVISIONS | |
|-----------|-------------|
| NO. | DESCRIPTION |
| | |
| | |
| | |

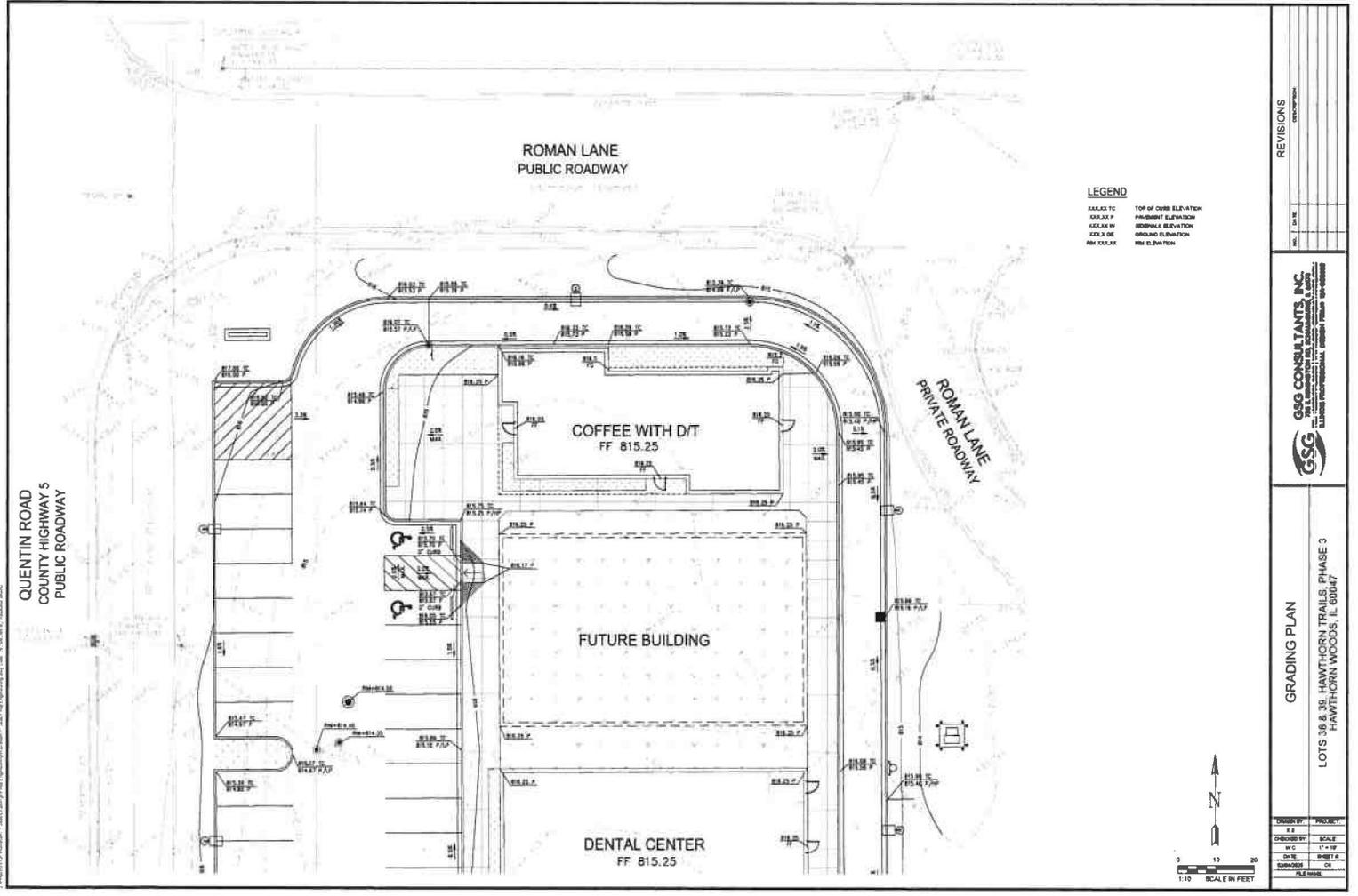
GSG CONSULTANTS, INC.
 1100 W. MONROE STREET, SUITE 100
 CHICAGO, ILLINOIS 60606
 TEL: (773) 344-1100
 FAX: (773) 344-1101
 WWW.GSGCONSULTANTS.COM

GSG

GEOMETRY & PAVING PLAN

LOTS 38 & 39, HAWTHORN TRAILS, PHASE 3
 HAWTHORN WOODS, IL 60047

| | |
|-------------|---------|
| Drawn by: | PROJECT |
| CHECKED BY: | |
| DATE: | |
| SCALE: | |
| IN CHARGE: | |
| DATE: | |



LEGEND

| | |
|----------|-----------------------|
| XXXXX TC | TOP OF CURB ELEVATION |
| XXXXX P | PROPOSED ELEVATION |
| XXXXX W | EXISTING ELEVATION |
| XXXXX G | GROUND ELEVATION |
| XXXXX B | BASE ELEVATION |

REVISIONS

| NO. | DATE | DESCRIPTION |
|-----|------|-------------|
| | | |
| | | |
| | | |
| | | |

GSC CONSULTANTS, INC.
 1100 N. WASHINGTON ST., SUITE 100
 CHICAGO, ILL. 60610
 TEL: 773.334.4444
 FAX: 773.334.4445
 WWW.GSCCONSULTANTS.COM

GRADING PLAN
 LOTS 38 & 39, HAWTHORN TRAILS, PHASE 3
 HAWTHORN WOODS, IL 60147

| DESIGNED BY | PROJECT |
|-------------|-----------|
| | |
| CHECKED BY | SCALE |
| | |
| DRAWN BY | SHEET # |
| | |
| DATE | FILE NAME |
| | |

QUENTIN ROAD
 COUNTY HIGHWAY 5
 PUBLIC ROADWAY

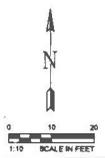
ROMAN LANE
 PUBLIC ROADWAY

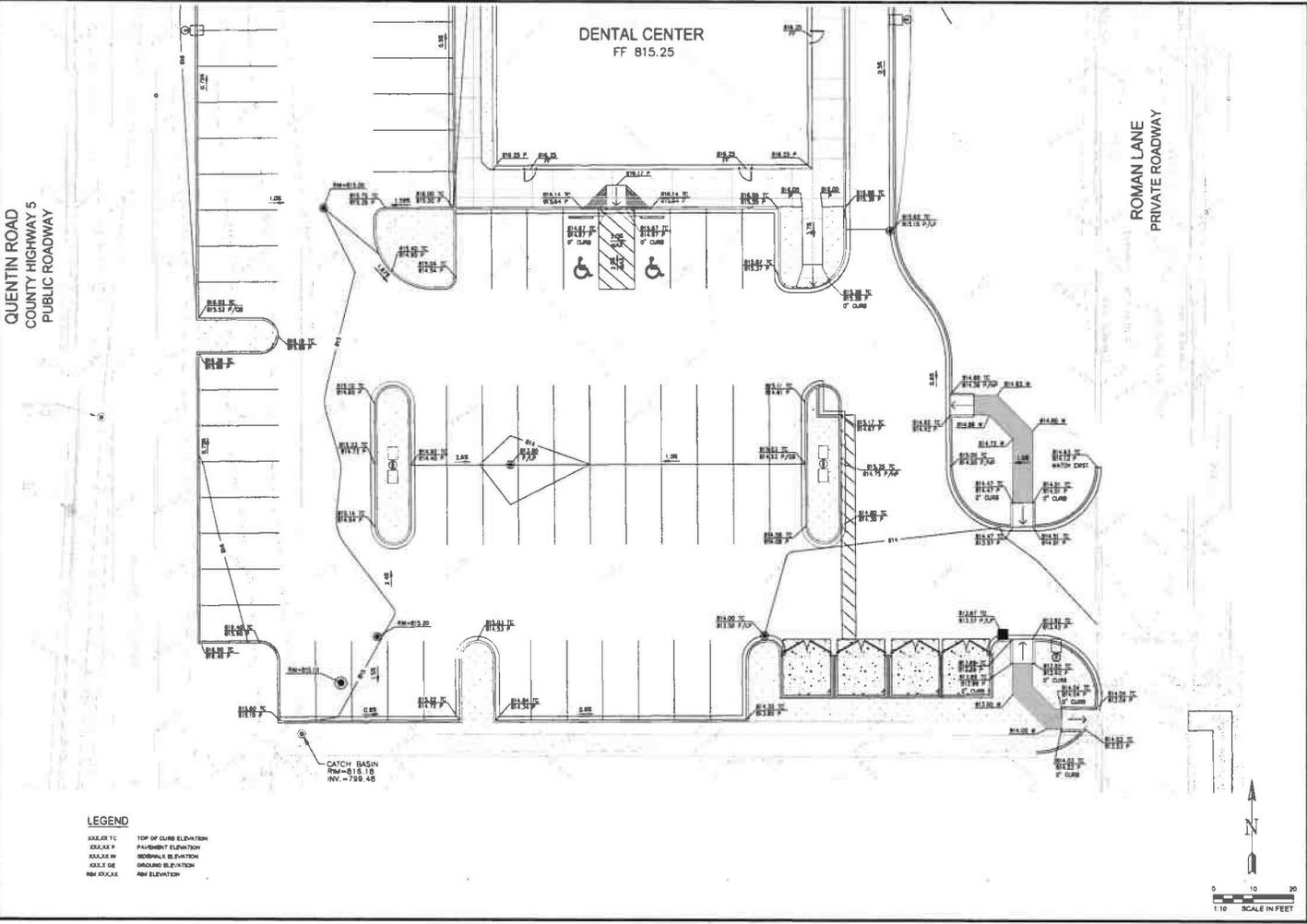
ROMAN LANE
 PRIVATE ROADWAY

COFFEE WITH D/T
 FF 815.25

FUTURE BUILDING

DENTAL CENTER
 FF 815.25





LEGEND

| | |
|-----------|-----------------------|
| XXXXXX TO | TOP OF CURB ELEVATION |
| XXXXXX | PAVEMENT ELEVATION |
| XXXXXX W | ROADWAY ELEVATION |
| XXXXXX OR | GROUND ELEVATION |
| XXXXXX | NEW ELEVATION |

REVISIONS

| NO. | DATE | DESCRIPTION |
|-----|------|-------------|
| | | |
| | | |
| | | |

GSG CONSULTANTS, INC.
 1000 N. WILSON AVENUE, SUITE 100
 DEERFIELD, ILLINOIS 60015
 TEL: 847.938.8800 FAX: 847.938.8801
 WWW.GSGCONSULTANTS.COM

GRADING PLAN
 LOTS 38 & 39 HAWTHORN TRAILS, PHASE 3
 HAWTHORN WOODS, IL 60047

| NO. | DATE | BY | CHKD BY |
|-----|------|----|---------|
| | | | |
| | | | |

| NO. | DATE | BY | CHKD BY |
|-----|------|----|---------|
| | | | |
| | | | |

1" = 10'-0"
 SCALE IN FEET

QUENTIN ROAD
COUNTY HIGHWAY 5
PUBLIC ROADWAY

ROMAN LANE
PUBLIC ROADWAY

COFFEE WITH D/T
FF 815.25

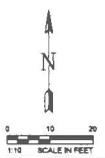
FUTURE BUILDING

DENTAL CENTER
FF 815.25

ROMAN LANE
PRIVATE ROADWAY

LEGEND

- PROPOSED**
- STORM SEWER
 - SANITARY SEWER
 - SANITARY MANHOLE
 - WATER MAIN
 - STORM UNDER DRAIN
 - SANITARY GREASE TRAP
 - VALVE VAULT
 - PILET
 - STORM SEWER MANHOLE
 - FIRE HYDRANT
- EXISTING**
- WATER MAIN
 - STORM SEWER
 - SANITARY SEWER
 - SANITARY MANHOLE
 - CATCH BASIN



| NO. | DATE | REVISIONS |
|-----|------|-----------|
| | | |

GSG CONSULTANTS, INC.
ENGINEERS, ARCHITECTS, PLANNERS
1000 N. WASHINGTON ST., SUITE 200
HAWTHORN WOODS, ILL. 60131
TEL: 630.351.1000 FAX: 630.351.1001
WWW.GSGCONSULTANTS.COM

UTILITY PLAN

LOTS 38 & 39 HAWTHORN TRAILS, PHASE 3
HAWTHORN WOODS, ILL. 60131

| DESIGNED BY | PROJECT |
|-------------|---------|
| | |
| CHECKED BY | SCALE |
| | |
| DRAWN BY | SHEET # |
| | |
| DATE | SHEET # |
| | |
| ENGINEER | CR |
| | |
| FILE NO. | |

Memo**Re: Drive-Thru Sound Pressure Levels From the Menu Board or Speaker Post**

The sound pressure levels from the menu board or speaker post are as follows:

1. Sound pressure level (SPL) contours (A weighted) were measured on a typical HME SPP2 speaker post. The test condition was for pink noise set to 84 dBA at 1 foot in front of the speaker. All measurements were conducted outside with the speaker post placed 8 feet from a non-absorbing building wall and at an oblique angle to the wall. These measurements should not be construed to guarantee performance with any particular speaker post in any particular environment. They are typical results obtained under the conditions described above.
2. The SPL levels are presented for different distances from the speaker post:

| Distance from the Speaker (Feet) | SPL (dBA) |
|----------------------------------|-----------|
| 1 foot | 84 dBA |
| 2 feet | 78 dBA |
| 4 feet | 72 dBA |
| 8 feet | 66 dBA |
| 16 feet | 60 dBA |
| 32 feet | 54 dBA |

3. The above levels are based on factory recommended operating levels, which are preset for HME components and represent the optimum level for drive-thru operations in the majority of the installations.

Also, HME incorporates automatic volume control (AVC) into many of our Systems. AVC will adjust the outbound volume based on the outdoor, ambient noise level. When ambient noise levels naturally decrease at night, AVC will reduce the outbound volume on the system. See below for example:

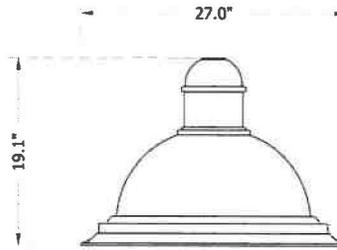
| Distance from Outside Speaker | Decibel Level of standard system with 45 dB of outside noise <u>without</u> AVC | Decibel level of standard system with 45 dB of outside noise <u>with</u> AVC active |
|-------------------------------|---|---|
| 1 foot | 84 dBA | 60 dBA |
| 2 feet | 78 dBA | 54 dBA |
| 4 feet | 72 dBA | 48 dBA |
| 8 feet | 66 dBA | 42 dBA |
| 16 feet | 60 dBA | 36 dBA |

If there are any further questions regarding this issue please contact HME customer service at 1-800-848-4468.

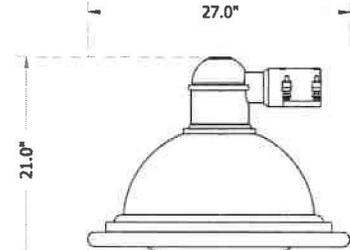
Thank you for your interest in HME's products.

Project Name _____ Qty _____

Type _____ Catalog / Part Number _____



1527LED-F-FG

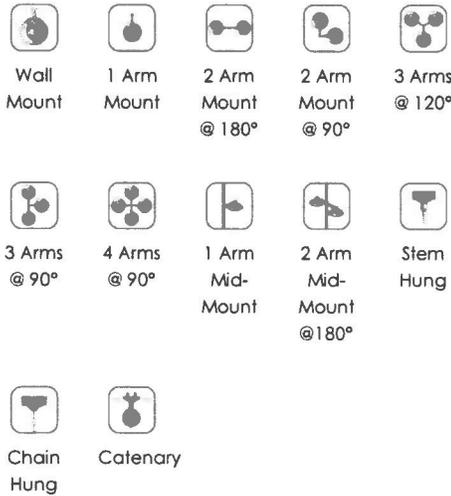


1527LEDSM-R-SG

7 Year Warranty



Mounting Configuration



IP Rating



Description

The 1527LED Omega™ is a decorative and energy efficient downlight fixtures with a spun aluminum bell styled dome. The luminaire has a gasketed hinged door for tool-less driver and LED access. Offered in a variety of mounting configurations, wattages, CCT's and distribution types makes this product the premier option for any Urban, Roadway or Area-Light application.

EPA: .93 (ft²) | WEIGHT: 38 LBS

Features

Mounting Configuration

- 1W:** Wall Mount
- 1A:** 1 Arm Mount
- 2A:** 2 Arm Mount @ 180°
- 2A90:** 2 Arm Mount @ 90°
- 3A:** 3 Arms @ 120°
- 3A90:** 3 Arms @ 90°
- 4A:** 4 Arms @ 90°
- 1AM:** 1 Arm Mid-Mount
- 2AM:** 2 Arm Mid-Mount @ 180°
- SH44:** Stem Hung
- CH44:** Chain Hung
- CAT:** Catenary

Optional Control Receptacle

R7: 7-Pin control receptacle only

Optional Control

- PE:** Twist-Lock Photocontrol (120V-277V)
- PE4:** Twist-Lock Photocontrol (347V-480V)
- SC:** Shorting Cap
- PEC:** Electronic Button Photocontrol (120V-277V)
- PEC4:** Electronic Button Photocontrol (480V)

Optional Fuse

FHD: Double Fuse and Holder

Finish



Optional Hangstraight

HSHS: Standard Horizontal Hangstraight, Spike Finial
HSHN: Standard Horizontal Hangstraight, No Finial
HSHB: Standard Horizontal Hangstraight, Ball Finial
HSCB: Clamp Style Horizontal Hangstraight, Ball Finial
HSCS: Clamp Style Horizontal Hangstraight, Spike Finial
HSCN: Clamp Style Horizontal Hangstraight, No Finial
EZ: Vertical Hangstraight, Large, "EZ" Mount

Optional House Side Shield

BLOC: Back Light Optical Control

Optional Fixed Dimming Resistor Board

FDRB: Fixed Dimming Resistor Board

Physical

Fixture

1527LED: 27" Omega, Top Mount
1527LEDSM: 27" Omega, Side Mount

Shade Style

R: Round Edge **F:** Flared Edge

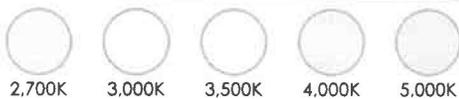
Lens

FG: Flat Glass
SG: Sag Glass
FSG: Frosted Sag Glass
SV1: Flat Soft Vue Light Diffused Acrylic
SV2: Flat Soft Vue Moderate Diffused Acrylic
SV4: Flat Soft Vue Maximum Diffused Acrylic

Finish

BKT: Black Textured **WHT:** White Textured
PGT: Park Green Textured **ABZT:** Arch Med Bronze Tex
DBT: Dark Bronze Textured **VG:** Verde Green
SI: Swedish Iron **OWGT:** Old World Gray Tex
UGMT: Urban Gun Metal Textured **UGM:** Urban Gun Metal Matte
UBT: Urban Bronze Textured **UB:** Urban Bronze Matte
USLT: Urban Silver Textured **USL:** Urban Silver Matte
UWHT: Urban White Textured **UWH:** Urban White Matte
OI: Old Iron **RT:** Rust
WBK: Weathered Black **CD:** Cedar
WBR: Weathered Brown **TT:** Two Tone
CM: Custom Match

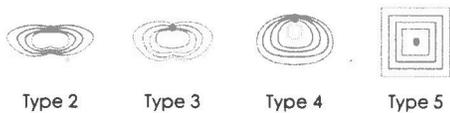
CCT - Color Temp (K)



Light Source

| | | |
|-----------------------------|---|--|
| LED | 12L: 12 LEDs 32L: 32 LEDs | 24L: 24 LEDs |
| CCT - Color Temp (K) | 27: 2,700K 35: 3,500K 50: 5,000K | 30: 3,000K 40: 4,000K |

Distribution Type



Distribution Type

T2: Type 2 **T3:** Type 3
T4: Type 4 **T5:** Type 5

Electrical and control

Driver

MDL018: 120V-277V, 180mA **MDH018:** 347V-480V, 180mA
MDL014: 120V-277V, 140mA **MDH014:** 347V-480V, 140mA

Certifications



How to Order

| Mounting Configuration | Overall Drop Length (In Inches) ⁽⁴⁾ ⁽⁵⁾ | Fixture | Shade Style | LED | CCT - Color Temp (K) | Distribution Type | Driver | Lens |
|--|--|--|-------------------------|-----------------------|----------------------|---------------------|--|---|
| 1W Wall Mount | | 1527LED 27" Omega, Top Mount | R Round Edge | 12L 12 LEDs | 27 2,700K | T2 Type 2 | MDL018 120V-277V, 180mA | FG Flat Glass |
| 1A 1 Arm Mount | | 1527LED SM 27" Omega, Side Mount | F Flared Edge | 24L 24 LEDs | 30 3,000K | T3 Type 3 | MDH018 347V-480V, 180mA | SG Sag Glass |
| 2A 2 Arm Mount @ 180° | | | | 32L 32 LEDs | 35 3,500K | T4 Type 4 | MDL014 120V-277V, 140mA ⁽⁶⁾ | FSG Frosted Sag Glass |
| 2A90 2 Arm Mount @ 90° | | | | | 40 4,000K | T5 Type 5 | MDH014 347V-480V, 140mA ⁽⁶⁾ | SV1 Flat Soft Vue Light Diffused Acrylic |
| 3A 3 Arms @ 120° ⁽¹⁾ | | | | | 50 5,000K | | | SV2 Flat Soft Vue Moderate Diffused Acrylic |
| 3A90 3 Arms @ 90° | | | | | | | | SV4 Flat Soft Vue Maximum Diffused Acrylic |
| 4A 4 Arms @ 90° | | | | | | | | |
| 1AM 1 Arm Mid-Mount | | | | | | | | |
| 2AM 2 Arm Mid-Mount @ 180° | | | | | | | | |
| SH44 Stem Hung ⁽²⁾ | | | | | | | | |
| CH44 Chain Hung ⁽²⁾ | | | | | | | | |
| CAT Catenary ⁽²⁾ ⁽³⁾ | | | | | | | | |

Notes:

- 1. Only available with a round profile pole.
- 2. Not for use with Side Mount (SM) luminaire.
- 3. Requires EZ hang-straight.
- 4. Required field for Stem or Chain Mounting Configuration.
- 5. Minimum 26" Overall Drop Length.
- 6. 24L or 32L system only.

How to Order

| Optional Control Receptacle (7) (9) (10) | Optional Control | Optional Fuse (12) | Optional Hangstraight (2) | Optional House Side Shield (13) | Optional Fixed Dimming Resistor Board (11) | Finish |
|--|---|--------------------------------------|---|---|---|---|
| R7 7-Pin control receptacle only | PE Twist-Lock Photocontrol (120V-277V) (10) PE4 Twist-Lock Photocontrol (347V-480V) (10) SC Shorting Cap (10) PEC Electronic Button Photocontrol (120V-277V) (11) PEC4 Electronic Button Photocontrol (480V) (11) | FHD Double Fuse and Holder | HSHS Standard Horizontal Hangstraight, Spike Finial HSHN Standard Horizontal Hangstraight, No Finial HSHB Standard Horizontal Hangstraight, Ball Finial HSCB Clamp Style Horizontal Hangstraight, Ball Finial HSCS Clamp Style Horizontal Hangstraight, Spike Finial HSCN Clamp Style Horizontal Hangstraight, No Finial EZ Vertical Hangstraight, Large, "EZ" Mount (11) | BLOC Back Light Optical Control | FDRB Fixed Dimming Resistor Board | BKT Black Textured (14) WHT White Textured (14) PGT Park Green Textured (14) ABZT Arch Med Bronze Tex (14) DBT Dark Bronze Textured (14) VG Verde Green SI Swedish Iron OWGT Old World Gray Tex UGMT Urban Gun Metal Textured UGM Urban Gun Metal Matte UBT Urban Bronze Textured UB Urban Bronze Matte USLT Urban Silver Textured USL Urban Silver Matte UWHT Urban White Textured UWH Urban White Matte OI Old Iron (15) RT Rust (15) WBK Weathered Black (15) CD Cedar (15) WBR Weathered Brown (15) TT Two Tone (15) CM Custom Match (15) |

Notes:

2. Not for use with Side Mount (SM) luminaire.

7. Not for use with FDRB.

8. See specifications section for more info on compatibility with wireless controllers

9. Not for use with STEM, CHAIN, CAT, or EZ mounting style.

10. Requires control receptacle.

11. Not for use with R7.

12. Ships loose for installation in base.

13. Not for use with T5 optic.

14. Smooth finishes are available upon request.

15. Custom colors require upcharge.

Specifications

| | |
|---------------------------|---|
| Hang-Straight | <p>A hang-straight transition is required for most mounting configurations.</p> <p>The Standard (HSHx) is an aluminum ball and swivel horizontal hang-straight. Available with a spike (S), a ball (B), or no finial (N). The hang-straight slips a 4" long by 2-3/8" OD horizontal tenon.</p> <p>The Clamp-Style (HSCx) is a large scale cast aluminum horizontal hang-straight with step-leveling on the tenon. Available with a spike (S), a ball (B), or no finial (N). The hang-straight slips an 8" long by 2-3/8" OD horizontal tenon.</p> <p>The (EZ) is a cast stainless steel ball and swivel vertical hang-straight. The special 2-part design allows for easy installation. It is factory installed under an arm and on the fixture.</p> |
| Side Mount Adapter | <p>An optional "Side Mount" luminaire is available.</p> <p>The cast aluminum "Side Mount" option includes stainless steel hardware and slip fits a 4" long by 2-3/8" OD horizontal tenon.</p> |
| Catenary Mount | <p>The Catenary mount option includes a cast aluminum span wire clamp, which accommodates cables 1/4"-5/8" in diameter. Below the clamp is a decorative cast aluminum wire box and cover which transitions to the EZ vertical Hangstraight for fixture attachment.</p> <p>Aircraft Cable by others.</p> |
| Hardware | <p>Includes Stainless steel hardware. Most finishes will include hardware with a Black Oxide conversion coating. Light finishes will get non-color coated hardware (Whites and Silvers)</p> |
| Lens | <p>Optional SoftVue™ lens provides optimal visual comfort.</p> <p>Uses a .125" thick acrylic lens. Offered with Soft Vue Medium Diffused Acrylic (SV1), Soft Vue Heavy Diffused Acrylic (SV2) or Soft Vue Maximum Diffused Acrylic (SV4).</p> <p>Also available with .188" thick glass lens. Flat Glass (FG), Sag Glass (SG) or Frosted Sag Glass (FSG)</p> |
| Serviceability | <p>Tool-less access to the driver compartment for ease of installation and maintenance.</p> <p>Easy access to service the lens in the field.</p> |
| DLC Listed | <p>Not all product variations listed on this page are DLC qualified. Visit https://qpl.designlights.org to confirm qualification, or consult factory.</p> |
| UL Listing | <p>UL listed per UL1598 and CSA 22.2 No. 250.0 for the United States and Canada. Suitable for Wet Locations.</p> |
| Electronic Driver | <p>The LED driver is UL recognized and will be securely mounted inside the fixture, for optimized performance and longevity. It will be supplied with a quick-disconnect electrical connector on the power supply, providing easy power connections for fixture installation and maintenance. It will have DC voltage output and be a constant current design. It runs at 50/60HZ and will have overload, overheat, and short circuit protection. It will be supplied with a supplemental line-ground, line-neutral and neutral-ground electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines. It will be a high efficiency driver with a THD less than 20% and a high-power factor greater than .9. It will be dimming capable using a 0-10V signal, consult factory for more information.</p> |
| NightSky® Friendly | <p>Dark sky compliant optics with a U0 BUG rating for specific configurations.</p> |
| IP Rating | <p>IP65 rated</p> |
| Finish | <p>Our 6 Stage Polyester Powder coat paint system offers a beautiful high-end finish that holds up to even the most extreme environments. Each part is inspected for quality and consistency before being released for shipment.</p> <p>Our system exceeds AAMA 2604, AAMA 2605, ASTM D523 and ASTM D4214 requirements.</p> |
| Traditional Finish | <p>Traditional paint finishes are available in Sternberg Lighting's Traditional product line. A range of colors help accent the decorative elements on the product. Finishes are available in textured or smooth.</p> <p>Available finishes include: Black, White, Park Green, Architectural Medium Bronze and Dark Bronze</p> |
| Urban Finish | <p>The Urban finish palette was created to highlight a modern, elegant aesthetic. All finishes are a 1 part powder coat with metallic flakes for a superior appearance. Finishes are available in textured or matte.</p> <p>Available finishes include: Black Textured, Urban Gun Metal, Urban Bronze, Urban Silver and Urban White</p> |

| | |
|--|--|
| Sternberg Select Finish | <p>The Sternberg Select antique-inspired palette adds a touch of vintage elegance to modern applications. Old World Gray Textured is a 1 part powder coat with metallic flakes. Verde Green and Swedish Iron is a 2 part finish that includes a powder coat base coat with a hand applied antique top coat. The top coat is unique to each application and changes over time.</p> |
| Custom Finish | <p>Custom finishes are offered to adapt to any application. Rust, Weathered Brown and Cedar are special 1 part powder coat finishes with a distinctive look. Old Iron and Weathered Black are 2 part finishes that includes a powder coat base coat with a hand applied antique top coat. The top coat is unique to each application and changes over time. Two-Tone and Custom Match options are available to blend Sternberg product with the site, consult factory for more information.</p> |
| Warranty | <p>7-year limited warranty. See Website for Terms and Conditions.</p> |
| LEDs | <p>The LEDs in this system will be fully shielded in a direct downward position to maximize efficiency. The LEDs are mounted to maximize thermal transfer to the heat sink surface. The LEDs shall be 100% recyclable; not contain lead, mercury or any other hazardous substances and shall be RoHS compliant. Lumen maintenance shall be determined in accordance with IESNA TM-21, based on LED manufacturer LM-80 test data of no less than 6,000 hours and in-situ testing of the luminaire by an NVLAP accredited Energy Efficient Lighting Products lab. The high-performance white LEDs will have a predicted lumen depreciation of approximately 100,000 hours with greater than 70% of initial output at 25°C. The high brightness, high-output white LEDs shall be 4000K nominal (2700K, 3000K, 3500K or 5000K optional) correlated color temperature (CCT) with a 70 (minimum) color rendering index (CRI). Consult factory for custom CCT or CRI. The luminaire shall have a minimum _____ (see table) delivered initial lumens when operated at steady state with an average ambient temperature of 25°C (77°F).</p> <p>CCT Lumen Derate Values from 4,000K</p> <p>2,700K (70+ CRI)=.85 3,000K (70+ CRI)=.92 3,500K (70+ CRI)=1.00 5,000K (70+ CRI)=1.00</p> |
| Optics | <p>The luminaire shall be provided with individual, refractor type optics applied to each LED. The luminaire shall provide Type ____ (2, 3, 4 or 5) light distribution per the IESNA classifications. Testing shall be done in accordance with IESNA LM-79.</p> |
| Backlight Optical Control | <p>BLOC Optic (BLOC): An optional "Back Light Optical Control" shield can be provided at the factory. This is an internal optic level "House Side Shield" offering significantly reduced backlight and glare while maintaining the original design aesthetics of the luminaire.</p> |
| Fixed Dimming Resistor Board (FDRB) | <p>Optional numbered 10-step selector switch allows for fine adjustment of the light levels in the field, repeatable from location to location. Offers dimming from 25% to 100% of the original output. Enclosure is composite material, sealed to protect components for the life of the product.</p> |
| Photocontrols | <p>Button Photocell: The photocontrol shall be mounted on the fixture and pre-wired to driver. The electronic button type photocontrol is instant on and will turn on at 1.5 footcandles and will turn off at 2-3 footcandles. See pole spec sheet for pole mounted version.</p> <p>Twist-Lock Style (Hangstraight Mount): The photocontrol shall be mounted externally on the hangstraight and pre-wired to driver. The twist lock type photocontrol is instant on with a 3-6 second turn off, and shall turn on at 1.5 footcandles with a turn-off at 2-3 footcandles.</p> <p>If an R7 is specified alongside a BALL or SPIKE style finial on hang-straight, a decorative cap (with window) is included to cover a STANDARD photocell. Use the NO FINIAL hangstraight option if the R7 is used with a WIRELESS CONTROLLER.</p> <p>Twist-Lock Style (Roof Mount): The photocontrol shall be mounted on the roof and prewired to driver. The twist lock type photocontrol is instant on with a 3-6 second turn off, and shall turn on at 1.5 footcandles with a turnoff at 2-3 footcandles. Photocontrol is 120-277 volt.</p> |

Lumen Chart(s)

Tested with FG lens

| Model # | T2 DELIVERED LUMENS | BUG | EFFICACY (LPW) | T3 DELIVERED LUMENS | BUG | EFFICACY (LPW) | T4 DELIVERED LUMENS | BUG | EFFICACY (LPW) | T5 DELIVERED LUMENS | BUG | EFFICACY (LPW) | WATTAGE |
|------------------|---------------------|--------|----------------|---------------------|--------|----------------|---------------------|--------|----------------|---------------------|--------|----------------|---------|
| 32L-40-T_-MDL018 | 18685 | B3U0G3 | 122.1 | 17200 | B3U0G3 | 112.4 | 17845 | B3U0G3 | 116.6 | 18660 | B4U0G2 | 122.0 | 153 |
| 32L-30-T_-MDL018 | 17250 | B3U0G3 | 112.7 | 15875 | B3U0G3 | 103.8 | 16470 | B3U0G3 | 107.8 | 17225 | B4U0G2 | 112.6 | 153 |
| 32L-27-T_-MDL018 | 15810 | B3U0G3 | 103.3 | 14555 | B3U0G3 | 95.1 | 15100 | B3U0G3 | 98.7 | 15790 | B4U0G2 | 103.2 | 153 |
| 32L-40-T_-MDL014 | 15405 | B3U0G3 | 131.7 | 14200 | B3U0G3 | 121.4 | 14730 | B2U0G2 | 125.9 | 15405 | B3U0G2 | 131.7 | 117 |
| 32L-30-T_-MDL014 | 14220 | B3U0G3 | 121.5 | 13110 | B3U0G3 | 112.1 | 13595 | B2U0G2 | 116.2 | 14220 | B3U0G2 | 121.5 | 117 |
| 32L-27-T_-MDL014 | 13035 | B3U0G3 | 111.4 | 12015 | B3U0G3 | 102.7 | 12465 | B2U0G2 | 106.5 | 13035 | B3U0G2 | 111.4 | 117 |
| 24L-40-T_-MDL018 | 14310 | B2U0G2 | 122.3 | 13165 | B2U0G2 | 112.5 | 13710 | B2U0G2 | 117.2 | 14305 | B3U0G2 | 122.3 | 117 |
| 24L-30-T_-MDL018 | 13210 | B2U0G2 | 112.9 | 12150 | B2U0G2 | 103.8 | 12655 | B2U0G2 | 108.2 | 13205 | B3U0G2 | 112.9 | 117 |
| 24L-27-T_-MDL018 | 12110 | B2U0G2 | 103.5 | 11140 | B2U0G2 | 95.2 | 11600 | B2U0G2 | 99.1 | 12105 | B3U0G2 | 103.5 | 117 |
| 24L-40-T_-MDL014 | 11480 | B2U0G2 | 132.0 | 10550 | B2U0G2 | 121.3 | 11005 | B2U0G2 | 126.5 | 11475 | B3U0G2 | 131.9 | 87 |
| 24L-30-T_-MDL014 | 10595 | B2U0G2 | 121.8 | 9740 | B2U0G2 | 112.0 | 10160 | B2U0G2 | 116.8 | 10590 | B3U0G2 | 121.7 | 87 |
| 24L-27-T_-MDL014 | 9715 | B2U0G2 | 111.7 | 8925 | B2U0G2 | 102.6 | 9310 | B2U0G2 | 107.0 | 9710 | B3U0G2 | 111.6 | 87 |
| 12L-40-T_-MDL018 | 7155 | B1U0G1 | 121.3 | 6665 | B2U0G2 | 113.0 | 6865 | B1U0G2 | 116.4 | 7160 | B3U0G1 | 121.4 | 59 |
| 12L-30-T_-MDL018 | 6605 | B1U0G1 | 111.9 | 6150 | B2U0G2 | 104.2 | 6335 | B1U0G2 | 107.4 | 6610 | B3U0G1 | 112.0 | 59 |
| 12L-27-T_-MDL018 | 6055 | B1U0G1 | 102.6 | 5640 | B2U0G2 | 95.6 | 5810 | B1U0G2 | 98.5 | 6060 | B3U0G1 | 102.7 | 59 |

Options



Button Photocell (PEC or PEC4)



7-Pin NEMA Twist-Lock Receptacle (R7)



NEMA Twist-Lock Photocell (PE or PE4)



Double Fuse Holder & (2) 3A Fuses (FHD)



Fixed Dimming Resistor Board (FDRB)

Hangstraight

Horizontal Hang-straight slip fit 4" long by 2-3/8" OD horizontal tenon



Standard Horizontal Hangstraight,
Spike Finial (HSHS)



Standard Horizontal Hangstraight, Ball
Finial (HSHB)



Standard Horizontal Hangstraight, No
Finial (HSHN)



"EZ" Vertical hangstraight (EZ)

Clamp Style Horizontal Hangstraight

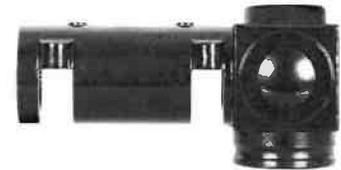
To slip fit 8" long by 2-3/8" OD on horizontal tenon



Clamp Style Horizontal Hangstraight, Spike Finial
(HSCS)

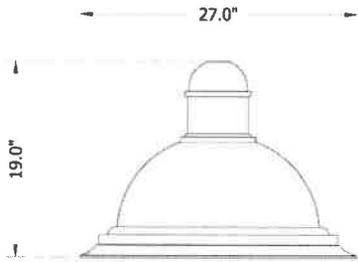


Clamp Style Horizontal Hangstraight, Ball Finial
(HSCB)

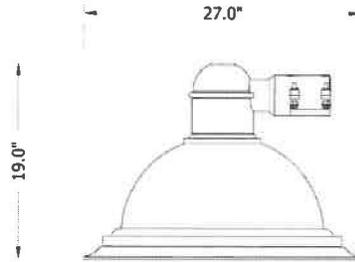


Clamp Style Horizontal Hangstraight, No Finial
(HSCN)

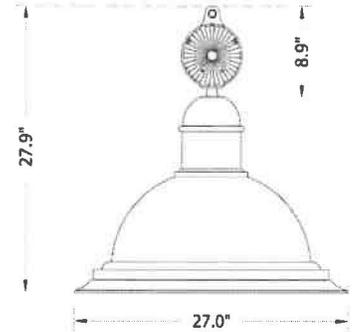
Dimensions



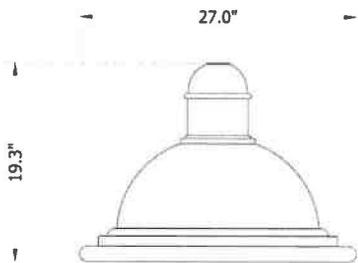
Top Mount, Flared Edge Shade, Flat Glass
(1527LED-F-FG)



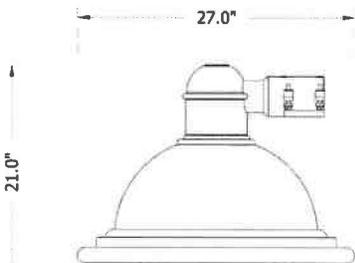
Side Mount, Flared Edge Shade, Flat Glass
(1527LEDSM-F-FG)



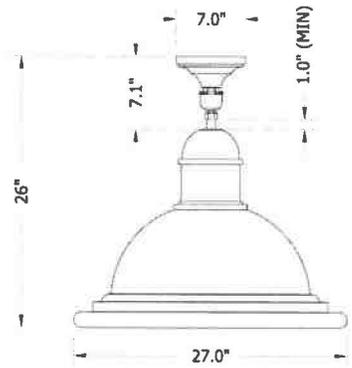
Catenary Mount (CAT)



Top Mount, Round Edge Shade, Flat Glass
(1527LED-R-FG)



Side Mount, Round Edge Shade, Sag Glass
(1527LEDSM-R-SG)



Stem Hung (SH44)

1527 OMEGA SERIES

SPECIFICATIONS

GENERAL

1527 Omega R and F series are full cut-off decorative down-light fixtures having a spun aluminum bell styled shade that is available in flared or round edge. Attached to the upper portion of the spun aluminum bell shade is an aluminum casting which acts as a means of coupling the fixture to an assortment of arms. All fixtures have sealed and rotatable optics and are available with flat, sag, clear or frosted glass.

BALLAST HOUSING

The ballast is housed in the upper section of the spun aluminum shade and is easily accessible by means of one tool-less entry door. The ballast tray can be detached from the fixture after removal of two pan head screws unclipping two sets of electrical quick disconnect connectors.

ELECTRICAL

The fixture shall be U.L. or E.T.L. listed. H.I.D. ballasts shall be high power factor with lamp starting down to -30 degrees C. Medium and Mogul porcelain sockets are 4KV rated. The ballast tray assembly is connected to the lamp socket and line supply via quick disconnect connectors for ease of replacement. CFL option shall be supplied with a 4-pin socket to accept quad or triple tube lamps. The QL Induction System option provides 5-10 times the life of HID lamps and provides Instant on-Instant restrike. Ballasts shall be DOE EISA compliant.

FIXTURE ASSEMBLY

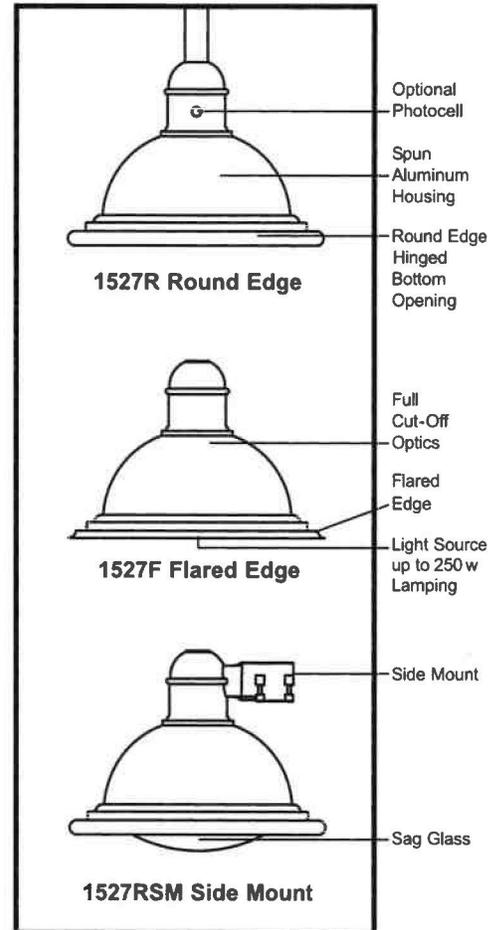
The 1527 fixtures shall be made of spun aluminum and having an outside diameter of 27" x 19 1/4" in height (19" on F). Tool-less entry allows easy access to lamp and ballast. A spring type latch allows access to lamp compartment, and ballast tray. Two decorative shades are available, either round (R) or flared (F). An optional hangstraight (HS) is available to ensure a plumb fixture installation even with unlevel foundations.

LENSES

The luminaire shall be standardly supplied with a clear tempered flat glass (CFG) lens or with optional clear sag glass (CSG), frosted tempered flat glass (FFG), or frosted sag glass (FSG). (Note: FFG and FSG lenses change the photometric output of the luminaire and are recommended for use with only Type 5 distribution).

OPTICAL OPTIONS

NIGHTSKY® STAR-SHIELD® Roof Optics distribution shall be delivered by a hydroform roof mounted reflector system which eliminate uplight and provides full cut-off. The reflector cavity shall be made of specular anodized aluminum. Flat lens models provide full cut-off performance. Roof Optics Type 2 (RO2H), Type 3 (RO3H) and Type 5 (RO5H) are for mogul base lamps.



**EPA = 0.93 (ft²)
WEIGHT = 25 LBS**

Rated IP65



**LIST NO.
1527 OMEGA
SERIES**

1527 OMEGA

FIXTURES / ARMS PM - WB

FIXTURES / OPTICAL SYSTEMS LENSES HANGING BRACKETS

1527R **1527RSM** **ROH** Roof Optics Horizontal 2, 3 or 5

1527F

CFG Flat Glass **CSG** Sag Glass

FFG Frosted Flat Glass **FSG** Frosted Sag Glass

HS Hangstraights (Optional)

HS-HB Horizontal 8 1/2" W x 10 5/8" H

HS-V Vertical 4" W x 4 7/8" H

HS-CB Clamp 12 1/2" W x 10 9/8" H

SH44 Stem Hung

SPECIFY OVERALL DROP IN INCHES

ARMS - POST MOUNT (PM) or WALL BRACKETS (WB) See Arms Section for more information

OA Single Arm **OA Twin Arm** **OB Single Arm** **OB Twin Arm** **OC Single Arm** **OC Twin Arm**

OD Single Arm **OD Twin Arm** **OE Single Arm** **OE Twin Arm** **OF Single Arm** **OF Twin Arm**

OG Single Arm **OG Twin Arm** **OH Arm** **OI Arm** **OJ** **OL**

ON **OQ**

BUILDING A PART NUMBER

POST & ARM FIXTURES

| ARM MOUNTED FIXTURE | CENTER POST TOP FIXTURE (PT) | POST | POST CAP | LIGHT SOURCE BALLAST | OPTICS | OPTIONS | FINISH |
|---------------------|------------------------------|---------|--------------------|----------------------|--------|------------|--------|
| NO. OF ARMS | FIXTURE / LENS / POSTARM | FIXTURE | (See Post Section) | WATTS / TYPE / VOLTS | | | |
| 2 | 1527RFG/OD | | 9114PS | 100 MHP120 | RO3H | MHP100/MED | BK |

WALL FIXTURES

| FIXTURE / LENS / WALL BRACKET | LIGHT SOURCE BALLAST | OPTICS | OPTIONS | FINISH |
|-------------------------------|----------------------|--------|-----------|--------|
| | WATTS / TYPE / VOLTS | | | |
| 1527RFG/OJWB | 70 MHP120 | RO3H | MHP70/MED | BK |

HANGING FIXTURES

| FIXTURE / LENS / HANGING BRACKET | OVERALL DROP IN INCHES | LIGHT SOURCE BALLAST | OPTICS | OPTIONS | FINISH |
|----------------------------------|------------------------|----------------------|--------|---------|--------|
| | | WATTS / TYPE / VOLTS | | | |
| 1527RFG/SH44 | 60 INCHES | 150 HPS208 | RO3H | | BK |

PART NUMBER SELECTIONS

FIXTURES

- 1527R
- 1527F
- 1527RSM
- 1527FSM

LENSES

- CFG
- FFG
- CSG
- FSG

OPTICS

- RO2H
- RO3H
- RO5H

POST ARMS

Single / Double

- OA
- OB
- OC
- OD
- OE
- OF
- OG
- OH
- OI
- OJ
- OL
- ON
- OQ

HANGING TYPE

- SH44

WALL BRACKET ARMS

- OBWB
- OCWB
- ODWB
- OGWB
- OHWB
- OJWB
- OLWB
- ONWB
- OQWB

VOLTAGES

- 120
- 208
- 240
- 277
- 480
- MULTI (120-277)

BALLASTS^{2,3}

- 35HPS¹
- 50HPS
- 70HPS
- 100HPS
- 150HPS
- 250HPS
- 50MHP
- 70MHP
- 100MHP
- 150MHP
- 200MHP
- 250MHP
- QL165*

LAMPS³

- HPS35/MED
- HPS50/MED
- HPS70/MED
- HPS100/MED
- HPS150/MED
- HPS250/MOG/ED18
- MHP50/MED
- MHP70/MED
- MHP100/MED
- MHP150/MED
- MHP200/MOG/ED28
- MHP250/MOG/ED28

STANDARD FINISHES*

- BKT Black Textured
- WHT White Textured
- PGT Park Green Textured
- ABZT Architectural Medium Bronze Textured
- DBT Dark Bronze Textured

*Smooth Finishes are available upon request

CUSTOM FINISHES

- OI Old Iron
- RT Rust
- WBR Weathered Brown
- CD Cedar
- WBK Weathered Black
- TT Two Tone

STERNBERG SELECT FINISHES

- VG Verde Green
- SI Swedish Iron
- OWGT Old World Gray Textured

OPTIONS

- PEC1 Photocell-Bimetal 120 Volt
- PEC2 Photocell-Bimetal 208-277 Volt
- PEC1-E Photocell-Electronic 120 Volt
- PEC2-E Photocell-Electronic 208-277 Volt
- FHS Single Fuse and Holder-120,277 Volt
- FHD Dual Fuse and Holder-208,240,480 Volt
- QR Quartz Re-Strike
- HS Hangstraight
- LAMPS Select from List

NOTES:

- ¹ 35HPS is 120 volt only.
- ² Medium base socket is standard with ballasts up to 150 watts HID. Mogul base sockets are standard ballasts 200 watts and over. 4-pin for PL.
- ³ Metal halide systems are pulse start.

1527 OMEGA SERIES**SPECIFICATIONS****LIST NO.
1527 OMEGA
SERIES****PHOTOCELLS*****Bi-metal Cell Option**

Photocells shall be thermo bi-metal button type. On single post-top fixtures the photocell shall be mounted in the top casting and pre-wired to the ballast. On multiple head fixtures photocells shall be mounted in the pole shaft, on an access plate. The photocell is not pre-wired since ballasts are mounted in the fitter and packaged separately. The photocell shall turn on at 1.0 foot-candle and turn off at not more than 5 foot-candles. The photocell is 120V or 208-277 volt.

Electronic Cell Option

Photocells shall be electronic button type. On single post-top fixtures the photocell shall be mounted in the top casting and pre-wired to the ballast. On multiple head fixtures photocells shall be mounted in the pole shaft, on an access plate. The photocell is not pre-wired since ballasts are mounted in the fitter and packaged separately. The photocell is instant-on at 1.5 foot-candle and turn off 5-10 seconds at 2-3 foot-candles. The photocell is 120V or 208-277 volt.

Roto-Lock Type Option (Available with Side Mount Option Only)

Photocells shall be roto-lock design. They shall be thermal-bimetallic switch type. Photocells shall be mounted in the housing on the photocell bracket and pre-wired to the driver. On multi-fixture poles the photocell shall be mounted in the pole shaft on an access plate. The photocell is not pre-wired since drivers are mounted in the fitters and packaged separately. Photocell time delay is 2 minutes to turn on at 1.5 foot-candles and 2 minutes to turn off at no more than 6 foot-candles. The photocell is 120-277 volt.

* **Note: Photocells are not IP rated. Fixture mounted PC eliminates IP65 rating.**

ARMS

The arm construction shall be cast aluminum and/or extruded aluminum. The arms shall be pre-wired for an ease of installation. The arms shall be bolted to a post mount adapter, which is welded to the pole to ensure proper alignment to the base.

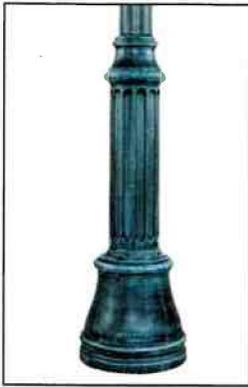
FINISH

Prior to coating, the luminaire shall be chemically cleaned and etched in a 5-stage washing system which includes alkaline cleaning, rinsing, phosphoric etching, reverse-osmosis water rinsing and non-chrome sealing to ensure corrosion resistance and excellent adhesion for the finish coat. The finish coat shall be an electrostatically applied semi-gloss, super durable polyester powder coat, baked on at 400°F, to provide a durable, color retentive finish. The optional Verde Green or Swedish Iron finish shall be hand-brushed using a 3-step process.

WARRANTY

Five-year limited warranty. See product and finish warranty guide for details.





7700 BIRMINGHAM SERIES

ORNAMENTAL POLE

DIMENSIONS
16" Ø
48" TALL

5 YEAR WARRANTY



UL LISTED



ETL LISTED



CLICK FOR FAQ'S



JOB NAME _____

FIXTURE TYPE _____

MEMO _____

BUILD A PART NUMBER

ORDERING EXAMPLE: 7714FP5-.188-BCC-GFILPIUC-SH/BKT

| Base Model | Height | Shaft | Wall Thickness | Post Center Cap | Option Burial | Option Photocell | Option Receptacle | Option Flag Pole Holder | Option Banner Arms | Option Planter Arms | Option Sign Arms | Option Speaker Hub | Option Sign Bracket | Option Steel Wreath Hook | Finish |
|------------|--------|-------|----------------|-----------------|---------------|------------------|-------------------|-------------------------|--------------------|---------------------|------------------|--------------------|---------------------|--------------------------|--------|
| | | | | | | | | | | | | | | | |

Base Model

• 77

Height

• 8 • 10 • 12 • 14 • 16 • 18

Shaft

- T5: 5"- 3" Tapered Smooth
- T54: 5"-4" Tapered Smooth
- P5: 5" Straight Smooth
- FP5: 5" Straight Fluted
- TFP5: 5" Tapered Fluted¹

¹Not available in .125 wall.
²Heights limited to 11'5", 12'6", 14'7" & 16'7".

Wall Thickness

- .125: 1/8" Wall Thickness
- .188: 3/16" Wall Thickness
- .250: 1/4" Wall Thickness
- C³: Cast Shaft, Varied Wall Thickness

³For cast "TFP" shafts only.

Post Center Cap (if required)

(Click here to view post cap sheet)

- BCC • FCC • SCC • TFCC
- SSSC • RCC • PCC

Options (Click here to view accessories sheet)

- DB4 Direct Burial mounting style pole, with 4' direct burial section (or advise other length)
- HXB Helix Base mounting style pole
- PCD Electronic Button Photocontrol, mounted on an access door (120V-277V)
- PCD4 Electronic Button Photocontrol, mounted on an access door (480V)
- GFILPIUC 15 Amp duplex GFCI receptacles with a low-profile in-use cover
- GFIIUC 15 Amp duplex GFCI receptacles with a standard in-use cover

- USB LPIUC 15 Amp duplex USB/Receptacle combo with a low-profile in-use cover (NON-GFI)
- USB IUC 15 Amp duplex USB/Receptacle combo with a standard in-use cover (NON-GFI)
- GFIIIB 15 Amp duplex GFCI receptacle in pole base, includes mouse hole on door for wire access
- USB IB 15 Amp duplex USB/Receptacle combo in pole base, includes mouse hole on door for wire access (NON-GFI)
- GFB Remote Ground Fault Breaker installed in pole base (for use with NON-GFCI receptacles)
- FH Cast Aluminum flag holder mount, for use with 1" diameter flag pole
- SBA Single Banner Arm, "PM" style mount
- DBA Double Banner Arms, "PM" style mount
- SBAR Single Banner Arm and Ring, for triangle banners, "PM" style mount
- HSBA Single Banner Arm, HUB mount style mount
- HDBA Double Banner Arms, HUB mount style mount
- BDBA6 Double Banner Arms, Break-Away style, to break with 60MPH wind gust
- BDBA9 Double Banner Arms, Break-Away style, to break with 90MPH wind gust
- C5SBA Single Banner Arm, Clamp-Style mount, for 5" diameter poles
- C5DBA Double Banner Arms at 180°, Clamp-Style mount, for 5" diameter poles
- DHPA Double Hooked Planter Arm
- SHPA Single Hooked Planter Arm
- DSPA Double Stepped Planter Arm
- SSPA Single Stepped Planter Arm
- PA478 Cast aluminum decorative planter arm
- SA78 Small cast aluminum decorative sign arm, with 24" long channel for blade sign by others

- SA478 Large cast aluminum decorative sign arm, with 24" long channel for blade sign by others
- SABA Banner arm style sign arm, with 24" long channel for blade sign by others
- SH Female threaded speaker hub, advise thread size
- SB Sign Bracket, vertically mounted on pole shaft
- WHK Steel wreath hook

Finish (Click here to view paint finish sheet)

Standard Finishes⁴

- BKT Black Textured
- WHT White Textured
- PGT Park Green Textured
- ABZT Architectural Medium Bronze Textured
- DBT Dark Bronze Textured

⁴Smooth finishes are available upon request.

Custom Finishes⁵

- CM Custom Match
- OI Old Iron
- RT Rust
- WBR Weathered Brown
- CD Cedar
- WBK Weathered Black
- TT Two Tone

⁵Custom colors require upcharge.

Sternberg Select Finishes

- VG Verde Green
- SI Swedish Iron
- OWGT Old World Gray Textured

Specifications

Construction

The base shall be designed with a tall and smoothly curved pedestal bottom section and transition to a tall twelve flute vertical



SternbergLighting

ESTABLISHED 1923

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contactus@sternberglighting.com
www.sternberglighting.com

7700 BIRMINGHAM SERIES

ORNAMENTAL POLE

base section and shall be made of heavy wall, 356 alloy cast aluminum. It shall have a large access door and a 1" thick floor cast as an integral part of the base. The shaft shall be double circumferentially welded internally and externally to the base for added strength.

Tenon

Standard tenon size to be 3" OD x 3" tall, consult factory for additional sizes.

Shaft

The **straight smooth shaft** shall be made of ASTM 6063 extruded aluminum and tempered to a T6 condition

The **tapered smooth shaft** shall be made of ASTM 6063 extruded aluminum and tempered to a T6 condition

The **straight fluted shaft** will have a 12 Flat Flute profile and shall be made of ASTM 6061 extruded aluminum and tempered to a T6 condition

The **tapered fluted shaft** will have a 16 Flat Flute profile and shall be made of heavy wall 356 alloy cast aluminum

Installation

Anchor Base: Four 3/4" diameter, hot-dipped galvanized "L" type anchor bolts shall be provided with the post for anchorage, they shall be mounted in a 10" bolt circle. A door shall be provided for wiring and anchor bolt access. It shall be secured with stainless steel hardware. Post will be provided with a grounding stud mounted on the base floor opposite the access door.

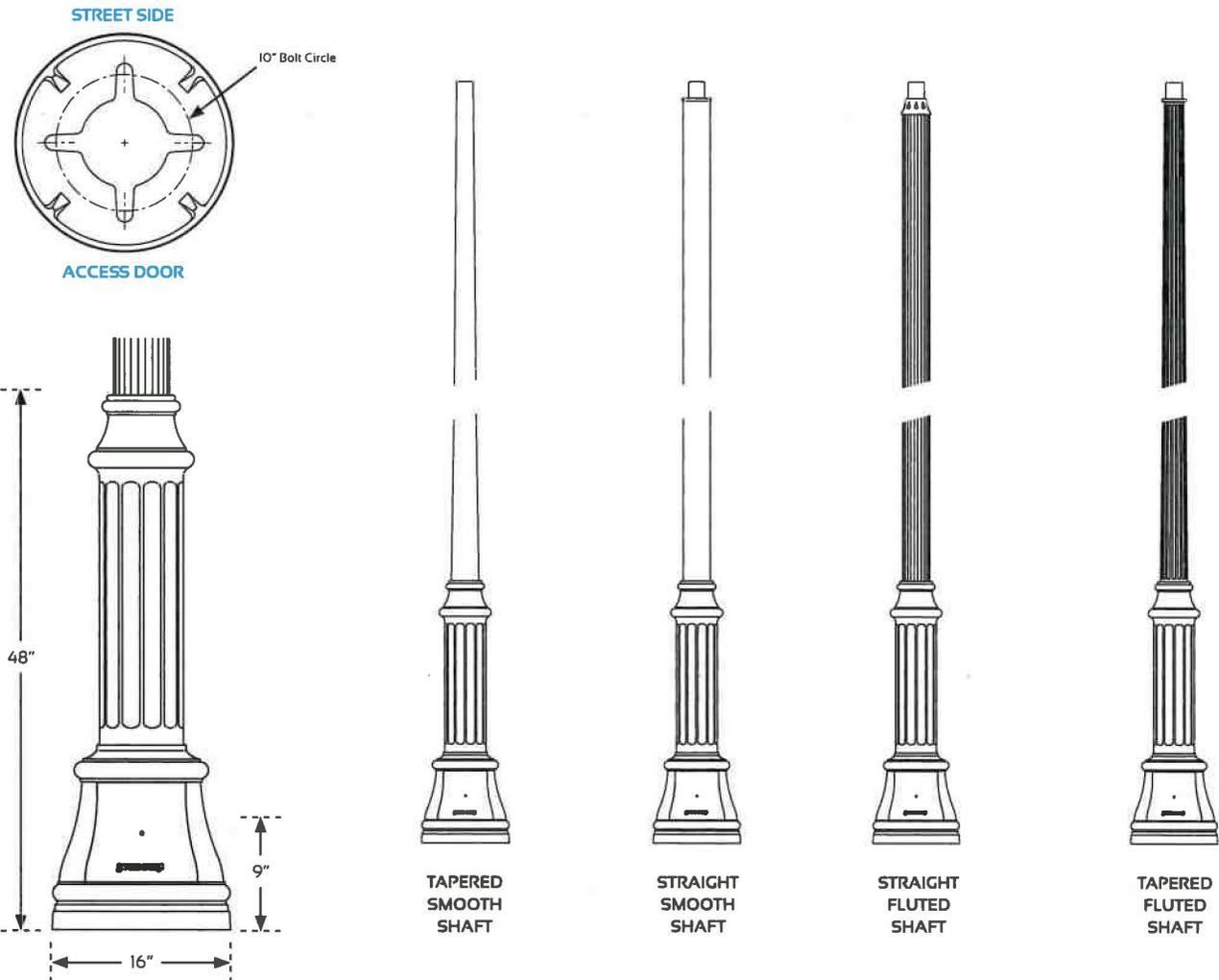
Direct Burial: 4' direct burial portion of pole shaft extending below pole base. Includes "Slipping" base style which has set screws at the neck to tighten the base down to the pole shaft. Includes anti-rotational rod and (2) wire-way holes on direct burial portion.

Warranty

Five-year limited warranty. See product and finish warranty guide for details.

Finish

Refer to website for details.



7700 BIRMINGHAM SERIES

ORNAMENTAL POLE

EPA Chart - AASHTO 2009

| POLE HEIGHT | 90 MPH | 100 MPH | 110 MPH | 120 MPH | 130 MPH | 140 MPH | 150 MPH |
|--|--------|---------|---------|---------|---------|---------|---------|
| T5"-3" Smooth Taper Shaft - 0.125" Wall Thickness | | | | | | | |
| 16 | 5.45 | 4.09 | 3.27 | 2.67 | 2.21 | 1.85 | 1.56 |
| 14 | 7.15 | 5.52 | 4.47 | 3.69 | 3.09 | 2.62 | 2.24 |
| 12 | 9.50 | 7.48 | 6.10 | 5.07 | 4.28 | 3.65 | 3.15 |
| 10 | 13.10 | 10.44 | 8.57 | 7.16 | 6.07 | 5.20 | 4.51 |
| T5"-3" Smooth Taper Shaft - 0.188" Wall Thickness | | | | | | | |
| 16 | 8.78 | 6.79 | 5.50 | 4.54 | 3.80 | 3.22 | 2.76 |
| 14 | 11.11 | 8.73 | 7.12 | 5.92 | 4.99 | 4.25 | 3.66 |
| 12 | 14.39 | 11.44 | 9.38 | 7.82 | 6.62 | 5.67 | 4.91 |
| 10 | 19.48 | 15.61 | 12.84 | 10.75 | 9.12 | 7.84 | 6.80 |
| T5"-3" Smooth Taper Shaft - 0.25" Wall Thickness | | | | | | | |
| 16 | 11.80 | 9.23 | 7.52 | 6.24 | 5.25 | 4.47 | 3.85 |
| 14 | 14.71 | 11.64 | 9.53 | 7.94 | 6.71 | 5.74 | 4.96 |
| 12 | 18.83 | 15.03 | 12.35 | 10.32 | 8.75 | 7.51 | 6.51 |
| 10 | 25.27 | 20.30 | 16.72 | 14.00 | 11.90 | 10.23 | 8.89 |
| T5"-4" Smooth Taper Shaft - 0.125" Wall Thickness | | | | | | | |
| 16 | 5.15 | 3.78 | 2.99 | 2.42 | 1.98 | 1.64 | 1.37 |
| 14 | 6.90 | 5.27 | 4.24 | 3.48 | 2.90 | 2.44 | 2.08 |
| 12 | 9.31 | 7.27 | 5.92 | 4.91 | 4.13 | 3.51 | 3.02 |
| 10 | 12.96 | 10.29 | 8.43 | 7.04 | 5.95 | 5.10 | 4.41 |
| T5"-4" Smooth Taper Shaft - 0.188" Wall Thickness | | | | | | | |
| 16 | 8.48 | 6.48 | 5.22 | 4.29 | 3.58 | 3.02 | 2.57 |
| 14 | 10.87 | 8.47 | 6.89 | 5.71 | 4.80 | 4.08 | 3.51 |
| 12 | 14.20 | 11.24 | 9.19 | 7.66 | 6.47 | 5.53 | 4.78 |
| 10 | 19.34 | 15.46 | 12.71 | 10.63 | 9.01 | 7.73 | 6.71 |
| T5"-4" Smooth Taper Shaft - 0.25" Wall Thickness | | | | | | | |
| 16 | 11.53 | 8.95 | 7.26 | 6.01 | 5.04 | 4.28 | 3.67 |
| 14 | 14.49 | 11.41 | 9.32 | 7.75 | 6.53 | 5.58 | 4.81 |
| 12 | 18.66 | 14.85 | 12.18 | 10.17 | 8.61 | 7.38 | 6.39 |
| 10 | 25.16 | 20.17 | 16.60 | 13.90 | 11.80 | 10.14 | 8.80 |
| FP5" Straight Fluted Shaft - 0.188" Wall Thickness | | | | | | | |
| 16 | 15.46 | 12.06 | 9.81 | 8.13 | 6.83 | 5.81 | 5.00 |
| 14 | 19.32 | 15.26 | 12.48 | 10.39 | 8.78 | 7.50 | 6.48 |
| 12 | 24.78 | 19.76 | 16.22 | 13.55 | 11.48 | 9.85 | 8.53 |
| 10 | 33.29 | 26.73 | 22.01 | 18.43 | 15.66 | 13.46 | 11.69 |
| FP5" Straight Fluted Pole - 0.25" Wall Thickness | | | | | | | |
| 16 | 20.56 | 16.20 | 13.23 | 11.00 | 9.28 | 7.92 | 6.83 |
| 14 | 25.39 | 20.18 | 16.55 | 13.81 | 11.69 | 10.01 | 8.66 |
| 12 | 32.27 | 25.83 | 21.24 | 17.77 | 15.08 | 12.95 | 11.23 |
| 10 | 43.07 | 34.65 | 28.55 | 23.93 | 20.34 | 17.50 | 15.21 |
| P5" Straight Smooth Shaft - 0.125" Wall Thickness | | | | | | | |
| 16 | 9.84 | 7.51 | 6.05 | 4.97 | 4.14 | 3.49 | 2.97 |
| 14 | 12.63 | 9.84 | 8.00 | 6.63 | 5.57 | 4.73 | 4.07 |
| 12 | 16.52 | 13.07 | 10.69 | 8.91 | 7.53 | 6.44 | 5.56 |
| 10 | 22.53 | 18.00 | 14.80 | 12.38 | 10.49 | 9.01 | 7.81 |
| P5" Straight Smooth Shaft - 0.188" Wall Thickness | | | | | | | |
| 16 | 15.46 | 12.06 | 9.81 | 8.13 | 6.83 | 5.81 | 5.00 |
| 14 | 19.32 | 15.26 | 12.48 | 10.39 | 8.78 | 7.50 | 6.48 |
| 12 | 24.78 | 19.76 | 16.22 | 13.55 | 11.48 | 9.85 | 8.53 |
| 10 | 33.29 | 26.73 | 22.01 | 18.43 | 15.66 | 13.46 | 11.69 |
| P5" Straight Smooth Shaft - 0.25" Wall Thickness | | | | | | | |
| 16 | 20.56 | 16.20 | 13.23 | 11.00 | 9.28 | 7.92 | 6.83 |
| 14 | 25.39 | 20.18 | 16.55 | 13.81 | 11.69 | 10.01 | 8.66 |
| 12 | 32.27 | 25.83 | 21.24 | 17.77 | 15.08 | 12.95 | 11.23 |
| 10 | 43.07 | 34.65 | 28.55 | 23.93 | 20.34 | 17.50 | 15.21 |

* Consult factory for other heights.
 ** All EPA values expressed in square feet.



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 www.sternberglighting.com

| | | |
|-----------|---------|---------|
| CATALOG # | TYPE | |
| JOB NAME | WATTAGE | VOLTAGE |

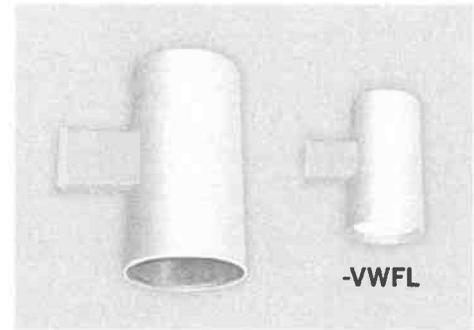
Choice Series

Direct/Indirect • 9" x 19" Cylinder • COB LED

60,000 Hours • 1% Dimming, 0-10V

3 Step Binning • Wet Listed • LM-80 and LM-79 Certified

LWC-09RDI



Specifications

Delivered System Performance

- Lumen Series: **Must Specify**

| Direct | Indirect |
|--------|----------|
| -5000L | -5000U |
| -4000L | -4000U |
| -3000L | -3000U |
| -2500L | -2500U |
| -2000L | -2000U |
| -1500L | -1500U |

- Select beam distribution: see chart
- Select color (CCT): see chart; 80+ CRI standard; Option -HC for 90+ (15% lumen loss)
- 60,000 hour life (L70)

Thermal Management System

- All aluminum heat sink and components for cool operation, long life, low maintenance

LED Driver - INTERNAL

- Indoor/Outdoor: -30°C to 60°C (-22°F to 140°F)
- 0-10V CCR 1% dimming standard
- Voltage Options: **Must Specify**
- UNV - 120-277V (50-60Hz); load insensitive
- 120 - 120V input (50-60Hz); for -D6

Optical & Trim Assemblies

- Direct:** Low brightness self-flanged clear Softex™ Semi Specular cone with clear microprismatic lens
- Optional colors & finishes available
- With Option -VWFL:** regressed microprismatic lens for very wide beam
- Indirect:** Tempered microprismatic lens up, with WeatherCap

Aluminum Housing

- Seamless white acrylic enameled finish
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test
- No visible cylinder hardware
- Cool operation: Extends life of all components
- Fully sustainable: Entire luminaire

Installation

- Wall bracket arm (6¼") assembled to housing with ¼" wall plate
- Mounting hardware included
- Indoor or outdoor

UL, C-UL (Canada), & FCC Compliance

- Wet, damp or dry locations
- FCC Part 15 certified for EMI/RFI emissions

FIVE YEAR Limited Warranty

- Complete standard fixture

Declare.



Made in the USA
BABAA Compliant

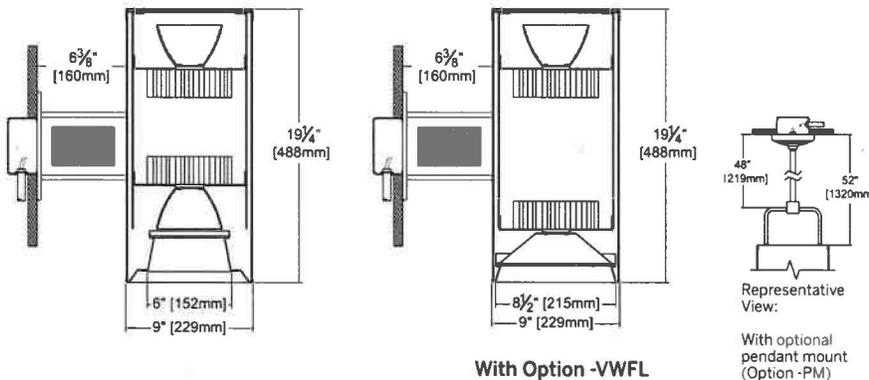


FCC Part 15
Certified



UL Listed
Wet, Damp, Dry

Dimensions



Available Source Options

See page 2 for ordering configurations

SW

Static White
5 CCTs Available

TW

Tunable White

WD

Warm Dimming

Static White Options and Ordering Configuration

(Example: LWC-09RDI-5000L-4000U-WFL-MFU-30K-UNV-EI-38)

| Must Specify | | | | | Optional | | | | |
|--------------|--|---|---|--------------|---|--|--|---|---|
| Model | Lumens | Beam | CCT & CRI | Volts | Driver Options | Emergency Options | Housing/Trim | Mounting Options | Other Options |
| LWC-09RDI | | | | | | | | | |
| | Direct (Down) -5000L -4000L -3000L -2500L -2000L -1500L Indirect (Up) -5000U -4000U -3000U -2500U -2000U -1500U | Direct (Down) -SPT -NFL -MFL -WFL -VWFL Indirect (Up) -SPU -NFU -MFU -WFU | 80+ CRI* -27K: 2700°K -30K: 3000°K -35K: 3500°K -40K: 4000°K -50K: 5000°K *Note: Lumen Factor = 0.93 for -27K 90+ CRI** -27K-HC: 2700°K -30K-HC: 3000°K -35K-HC: 3500°K -40K-HC: 4000°K -50K-HC: 5000°K (N/A in -3000L) **Note: Lumen Factor = 0.79 for -27K-HC; All Others = 0.85 | -UNV -120 | (Blank): Standard 0-10V CCR 1% dim -D2: 0-10V 0.1% dim -D3: DALI 1.0% dim -D4: DALI 100-0.1% dim -D5: DMX512A 0.1% dim; -4000L max -D6: Triac/ELV dim; 120 volt only ; -4000L max -ECO: For use with Lutron EcoSystem controls; Dim to black; Consult factory; -4000L max | (Blank): None -E1: Remote inverter for 100% rated lumens up to 3000L for direct position only; 90+ minutes; N/A for Options -FS -E14: Remote emergency inverter for 100% rated lumens up to 4000L for direct position only; CEC Compliant; 90+ minutes; N/A for Options -FS -E15: Remote emergency inverter for 100% rated lumens up to 5000L for direct position only; 90+ minutes; N/A for Options -FS | (Blank): Standard white enamel housing finish with clear Softex™ trim Trim Finishes -30T: White enamel trim; N/A with -VWFL -62T: Clear specular trim; N/A with -VWFL Housing Finishes -35: Silver enamel finish -37: Dark bronze enamel finish -38: Black enamel finish -94: Custom color/finish; specify; consult factory | (Blank): Standard 6¼" wall arm plus ¼" wall plate -87: Custom wall bracket length, or custom pendant length if used with -PM. Specify length. -88: Swivel canopy for sloped ceilings up to 40"; use with Option -PM -PM: Pendant mount for damp or dry locations only; 48" stem plus 4" offset (see diagram); also see Option -87; no wet label listing | (Blank): None Lens Options -13: Clear polycarbonate beneath diffusing lens -DA: Diffuse acrylic lens instead -WA: White acrylic lens instead Other Options * -99: Special modification; consult factory -AWN: Athena Wireless Node; N/A for Dimming Options D5, D6, ECO -FS: Fused primary; 1 per LED module; N/A for Options -E1, -E14, E15 *Note: For other integrated control solutions, such as nLight, contact factory |

† For 2 SDCM, consult factory

Dynamic White Options and Ordering Configuration

(Example: LWC-09RDI-2000L-1500U-WFL-MFU-6527-UNV-TW-EI-38)

| Must Specify | | | | | Optional | | | | |
|--------------|--|---|---|-------|---|--|--|---|--|
| Model | Lumens | Beam | CCT & CRI | Volts | Driver Options | Emergency Options | Housing/Trim | Mounting Options | Other Options |
| LWC-09RDI | | | | | | | | | |
| | Direct (Down) -2000L -1500L Indirect (Up) -2000U -1500U | Direct (Down) -NFL -MFL -WFL -VWFL Indirect (Up) -NFU -MFU -WFU | -6527: 6500°K - 2700°K range, 90+ CRI -4018: 4000°K - 1800°K range, 90+ CRI -3518: 3500°K - 1800°K range, 90+ CRI -3018: 3000°K - 1800°K range, 90+ CRI -2718: 2700°K - 1800°K range, 90+ CRI | -UNV | -TW: Dual 0-10V Tunable White control with 0.1% dimming -TW7: DALI dual drive 0.1% tunable white dimming driver instead -TW8: DALI DT8 dual drive 0.1% tunable white dimming driver instead -WD: Warm Dimming 0-10V control with 0.1% dimming; N/A for Option -6527 -WD7: DALI 0.1% warm dimming driver instead; N/A for Option -6527 | (Blank): None -E1: Remote inverter for 100% rated lumens up to 3000L for direct position only; 90+ minutes; N/A for Options -FS -E14: Remote emergency inverter for 100% rated lumens up to 4000L for direct position only; CEC Compliant; 90+ minutes; N/A for Options -FS | (Blank): Standard white enamel housing finish with clear Softex™ trim Trim Finishes -30T: White enamel trim; N/A with -VWFL -62T: Clear specular trim; N/A with -VWFL Housing Finishes -35: Silver enamel finish -37: Dark bronze enamel finish -38: Black enamel finish -94: Custom color/finish; specify; consult factory | (Blank): Standard 6¼" wall arm plus ¼" wall plate -87: Custom wall bracket length, or custom pendant length if used with -PM. Specify length. -88: Swivel canopy for sloped ceilings up to 40"; use with Option -PM -PM: Pendant mount for damp or dry locations only; 48" stem plus 4" offset (see diagram); also see Option -87; no wet label listing | (Blank): None Lens Options -13: Clear polycarbonate beneath diffusing lens -DA: Diffuse acrylic lens instead -WA: White acrylic lens instead Other Options -99: Special modification; consult factory -AWN: Athena Wireless Node; N/A for Dimming Options TW, TW7 -FS: Fused primary; 1 per LED module; N/A for Options -E1, -E14 *Note: For other integrated control solutions, such as nLight, contact factory |

Performance Factors - Static White

| NOMINAL LUMENS | LUMEN FACTOR | NOMINAL WATTS | LPW FACTOR |
|------------------|--------------|---------------|------------|
| -5000L -5000U | 1.000 | 109.2 | 1.000 |
| -4000L -4000U | 0.742 | 77.6 | 1.043 |
| -3000L -3000U | 0.551 | 55.0 | 1.099 |
| -2500L -2500U | 0.493 | 49.4 | 1.089 |
| -2000L -2000U | 0.423 | 40.6 | 1.137 |
| -1500L -1500U | 0.309 | 28.8 | 1.171 |

* See notes on page 2 for additional info on Lumen Factors

Performance Factors - Tunable White

Lumen factors are based on comparable Static White light output.

| NOMINAL LUMENS | 6500K LUMEN FACTOR | 2700K LUMEN FACTOR | NOMINAL WATTS |
|----------------|--------------------|--------------------|---------------|
| -2000L | 0.65 | 0.52 | 20.8 |
| -1500L | 0.65 | 0.52 | 14.9 |
| -1000L | 0.65 | 0.52 | 11.4 |

LIMITED WARRANTY: CATALOGUED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR FIVE YEARS FROM DATE OF PURCHASE. INSTALLATION TO N.E.C. IN NORMAL USE. Manufacturer at its option will repair or replace such fixture or refund the purchase price on presentation of proof of purchase and defective fixture at the offices of manufacturer within five years of original shipment. Liability of manufacturer is limited to the foregoing, and manufacturer shall not be liable for any other damages, direct or indirect, sustained or suffered by purchaser or any person. This warranty is applicable to the buyer or lessee of all other warranties, expressed or implied. Seller does not warrant as to merchantability or fitness for a particular use, nor will any oral statement constitute a warranty or amend this specific warranty. Abnormal use, abuse of the fixture, improper installation, or repair or modification of the fixture without prior written authorization from the manufacturer will void the warranty.

Photometry - Static White - Installed Complete Fixture

Photometry from I.T.L., Boulder, CO

LM-79 IESNA Certified Photometry from Independent Lab

-5000L-5000U-SPT-SPU

Up Lumens: 6509 52.0%
Dn Lumens: 6017 48.0%
LPW: 115
Dn Beam: ~23°
SC: 0.39
ITL Test: 94081

| Nominal Lumens | Actual Lumens | Actual LPW |
|----------------|---------------|------------|
| 5000U 5000L | 6509 6017 | 114.8 |
| 4000U 4000L | 4830 4465 | 119.8 |
| 3000U 3000L | 3606 3333 | 126.2 |
| 2500U 2500L | 3209 2966 | 125.0 |
| 2000U 2000L | 2753 2545 | 130.5 |
| 1500U 1500L | 2011 1859 | 134.4 |

Cone of Light ▲
(Direct Position Only)

| Dist. | FC | Dia. |
|-------|-------|------|
| 6 | 669.1 | 2.3 |
| 8 | 376.3 | 3.1 |
| 10 | 240.9 | 3.9 |
| 12 | 167.3 | 4.7 |
| 14 | 122.9 | 5.5 |
| 16 | 94.1 | 6.2 |

-5000L-5000U-WFL-WFU

Up Lumens: 6210 52.1%
Dn Lumens: 5719 47.9%
LPW: 109
Dn Beam: ~57°
SC: 0.82
ITL Test: 94070

| Nominal Lumens | Actual Lumens | Actual LPW |
|----------------|---------------|------------|
| 5000U 5000L | 6210 5719 | 109.2 |
| 4000U 4000L | 4608 4243 | 114.1 |
| 3000U 3000L | 3440 3168 | 120.2 |
| 2500U 2500L | 3062 2819 | 119.0 |
| 2000U 2000L | 2627 2419 | 124.3 |
| 1500U 1500L | 1919 1767 | 128.0 |

Cone of Light ▲
(Direct Position Only)

| Dist. | FC | Dia. |
|-------|-------|------|
| 6 | 175.8 | 4.9 |
| 8 | 98.9 | 6.6 |
| 10 | 63.3 | 8.2 |
| 12 | 44.0 | 9.9 |
| 14 | 32.3 | 11.5 |
| 16 | 24.7 | 13.1 |

-5000L-5000U-NFL-NFU

Up Lumens: 5953 53.0%
Dn Lumens: 5270 47.0%
LPW: 103
Dn Beam: ~34°
SC: 0.55
ITL Test: 94068

| Nominal Lumens | Actual Lumens | Actual LPW |
|----------------|---------------|------------|
| 5000U 5000L | 5953 5270 | 102.9 |
| 4000U 4000L | 4417 3910 | 107.3 |
| 3000U 3000L | 3298 2920 | 113.0 |
| 2500U 2500L | 2935 2598 | 112.0 |
| 2000U 2000L | 2518 2229 | 116.9 |
| 1500U 1500L | 1839 1628 | 120.4 |

Cone of Light ▲
(Direct Position Only)

| Dist. | FC | Dia. |
|-------|-------|------|
| 6 | 324.0 | 3.3 |
| 8 | 182.3 | 4.4 |
| 10 | 116.7 | 5.5 |
| 12 | 81.0 | 6.6 |
| 14 | 59.5 | 7.7 |
| 16 | 45.6 | 8.7 |

-5000L-5000U-VWFL-WFU

Up Lumens: 6222 50.0%
Dn Lumens: 6218 50.0%
LPW: 114
Dn Beam: ~66°
SC: 1.18
ITL Test: 94080

| Nominal Lumens | Actual Lumens | Actual LPW |
|----------------|---------------|------------|
| 5000U 5000L | 6222 6218 | 113.9 |
| 4000U 4000L | 4617 4614 | 118.9 |
| 3000U 3000L | 3447 3445 | 125.3 |
| 2500U 2500L | 3067 3065 | 124.1 |
| 2000U 2000L | 2632 2630 | 129.3 |
| 1500U 1500L | 1923 1921 | 133.5 |

Cone of Light ▲
(Direct Position Only)

| Dist. | FC | Dia. |
|-------|------|------|
| 6 | 86.6 | 7.1 |
| 8 | 48.7 | 9.5 |
| 10 | 31.2 | 11.8 |
| 12 | 21.7 | 14.2 |
| 14 | 15.9 | 16.6 |
| 16 | 12.2 | 18.9 |

-5000L-5000U-MFL-MFU

Up Lumens: 5869 52.2%
Dn Lumens: 5378 47.8%
LPW: 103
Dn Beam: ~41°
SC: 0.65
ITL Test: 94069

| Nominal Lumens | Actual Lumens | Actual LPW |
|----------------|---------------|------------|
| 5000U 5000L | 5869 5378 | 103.0 |
| 4000U 4000L | 4355 3990 | 107.5 |
| 3000U 3000L | 3251 2979 | 113.3 |
| 2500U 2500L | 2893 2651 | 112.2 |
| 2000U 2000L | 2483 2275 | 117.2 |
| 1500U 1500L | 1814 1662 | 120.7 |

Cone of Light ▲
(Direct Position Only)

| Dist. | FC | Dia. |
|-------|-------|------|
| 6 | 260.8 | 3.9 |
| 8 | 146.7 | 5.2 |
| 10 | 93.9 | 6.5 |
| 12 | 65.2 | 7.9 |
| 14 | 47.9 | 9.2 |
| 16 | 36.7 | 10.5 |

▲ Cone of Light Key Dist. Distance (Ft.) from fixture
Dia. (in ft.) shown is where FC FC Footcandles at nadir (0°)
value is half the FC at nadir. Dia. Circle of light at 50% of FC

LED manufacturers maintain a tolerance of +/-7% on flux (lumens) and power (electrical) measurements.

EXHIBIT "C"



2 LAGOON DRIVE - HAWTHORN WOODS, ILLINOIS 60047 - (847) 438-5500

FINDINGS OF FACT

Public Hearing Date:
February 11, 2025

MJK Real Estate Holding Company, LLC – Request for an amendment to the special use planned development for a retail drive-thru facility, a retail/office building, a future retail building, and a final plat of re-subdivision, located at 101 and 103 Roman Lane.

Based upon the evidence presented to the Planning, Building, and Zoning (PB&Z) Commission at the public hearing, the PB&Z Commission makes the following findings of fact with respect to the requested special use planned development permit in connection therewith.

9-14-4B:

1. That the proposed use at that particular location requested is necessary or desirable to provide a service or a facility which is in the interest of public convenience and will contribute to the general welfare of the neighborhood or community; and

Finding: The proposed Starbucks Coffee tenant that includes a dedicated Drive Through Lane for ordering as well as Mobil Order Pickup Parking Stalls will be located at the currently vacant lot which was previously planned and approved for retail/business uses. The proposed coffee shop will fit in seamlessly within the planned development.

2. That such use will not, under the circumstances of the particular case, be detrimental to the health, safety, morals or general welfare of persons residing or working in the vicinity or injurious to property values or improvement in the vicinity; and

Finding: The proposed QSR project is deemed necessary and suitable for the proposed location based on similar uses in the surrounding area. In keeping with the existing adjoining businesses, the proposed project is not anticipated to cause any detriment beyond what is generated by the existing surrounding uses to the health, safety or general welfare of persons residing or working in the vicinity. Furthermore, the existing north-south access road will limit shopping center vehicular traffic from comingling with the residential neighborhood directly to the east.

3. That the proposed use will comply with the regulations and conditions specified in this title for such use, and with the stipulations and conditions made a part of the authorization granted by the village board of trustees.

Finding: It is the developer's intent for the proposed project to comply with all applicable codes, regulations specified in the ordinance and to incorporate any stipulations and conditions granted by the Village Board of Trustees as they relate to the proposed project.

All of the above Findings of Fact are subject to the conditions of approval made by the PB&Z Commission on February 11, 2025.

Respectfully submitted,

Jim Merkel, Chairperson

CMH