



1200 Wilmette Avenue
Wilmette, IL 60091

**NOTICE OF MEETING
of the
APPEARANCE REVIEW COMMISSION
OF THE VILLAGE OF WILMETTE**

**Thursday, March 7, 2024 at 7:00 P.M.
Council Chambers**

AGENDA

- I. Call to Order**
- II. Approval of Minutes**
 - Minutes of the Appearance Review Commission of February 5, 2024
- III. Consent Agenda**
 - 415 ½ 4th Street, Center for Oriental Medicine, Window Sign
- IV. Cases**
 - 2024-AR-11, 1824 Wilmette Avenue, Illinois Center for Digestive and Liver Health, Certificate
 - 2024-AR-12, 2716 Old Glenview Road, Wilmette Baseball Association, Certificate
 - 2024-AR-10, 1100 Laramie Avenue, Loyola Academy, Certificate
 - 2024-AR-04, 1837 Wilmette Avenue, Wilmette Gas Inc., Certificate/Sign Variation
- V. Public Comment**
- VI. New Business**
- VII. Old Business**
- VIII. Adjournment**

Devan Castellano, Chair

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MEETING MINUTES
Appearance Review Commission

February 5, 2024
7:00 p.m.
Council Chambers
1200 Wilmette Avenue

Members Present: Richard Brill
Jeffrey Saad
Doug Johnson
Jonathan Zee
Nada Andric
Richard DeLeo

Members Absent: Devan Castellano

Staff Present: Kate McManus, Planner III-AICP

Guests: Ben Leher, Wayfair
Alyssa Low
Amy Tsao, Wayfair
Kevin Lindberg, Wayfair
Hannah McCallum, WS Development
Sarah Andrews, WS Development

I. CALL TO ORDER

Acting Chair Johnson called the meeting to order at 7:00 p.m.

II. APPROVAL OF MINUTES

Commissioner Brill moved to approve the January 11, 2024 Appearance Review Commission minutes. The motion was seconded by Commissioner Zee. Voting yes: Brill, Johnson, Saad, and Zee. Abstain: Andric and DeLeo. Voting no: none. **The motion carried.**

III. CONSENT AGENDA

3520 Lake Avenue

Jimmy John's

Ms. McManus introduced the request for an Appearance Review Certificate for a new conforming wall sign and tenant sign on the existing ground sign.

There were no comments or questions.

Commissioner Brill moved to approve the request for a new wall and tenant sign. Commissioner DeLeo seconded the motion. Voting yes: all. Voting no: none. **The motion carried.**

3520 Lake Avenue

Kenny the Kleener

Ms. McManus introduced the request for an Appearance Review Certificate for a new conforming wall sign and tenant sign on the existing ground sign.

In response to a question from Commissioner Brill, Ms. McManus said this will be a second location for the business and the Green Bay location will remain.

Commissioner Brill moved to approve the request for a new wall and tenant sign. Commissioner DeLeo seconded the motion. Voting yes: all. Voting no: none. **The motion carried.**

IV. CASES

2024-AR-07 1515 Sheridan Road

**Plaza del Lago
Certificate**

Ms. McManus introduced the case noting that it is a request for Appearance Review Certificate for minor revisions to the site plan including hardscape and landscaping and a new door opening on the east elevation.

Ms. McCallum and Ms. Andrews introduced themselves noting that the proposed changes are relatively minor, and they highlighted each adjustment on the plans. Ms. Andrews said the north parking lot was initially not in the scope, but they are now adding an accessible ramp and some striping changes to that area. She reviewed the demo plan and landscape and hardscape changes. She said a sidewalk and landscape strip will be added and they are proposing additional bollards at the pedestrian crossing. A new door will be added to Building B to meet fire code regulations.

In response to a question from Commissioner Johnson, Ms. Andrews said the bollards are removable, black iron, and flush to the ground.

Ms. Andrews said there are currently parking spaces flush up against the arcade, so they are proposing a 5-foot sidewalk to transition to the ADA ramp. Handicap parking spaces will be relocated. She reviewed the planting changes including changing boxwood to holly. Most changes are a result of plant

selections not doing well with snow removal and minor aesthetic changes. She said no invasive species are proposed and provided a rendering.

In response to a question from Commissioner Andric, Ms. Andrews said the edge of the landscape is brick.

In response to a question from Acting Chair Johnson, Ms. Andrews said there will be a cover on the bollard to prevent dirt and water.

Ms. Andrews said that during permit review, it was evident that a new door was needed for Building B to provide access to a sprinkler riser and secondary stair. The proposed hollow metal door will be painted bronze to match the doors on the north façade.

In response to a question from Commissioner Zee, Ms. Andrews said the bollard is black aluminum.

In response to a question from Commissioner Andric, Ms. Andrews said the bollard is not illuminated.

Commissioner Brill confirmed the only change in the rendering is a different evergreen hedge.

In response to a question from Commissioner Zee, Ms. Andrews said the color of the handrail is black.

Commissioner Saad said the changes are very subtle. In response to a question from Commissioner Saad, Ms. Andrews said the arcade entry has a flush transition from the curb and there is no grade change from the parking area. There is a 2-foot landscape buffer that is continuous. Commissioner Saad suggested adding a break to prevent people from walking through it.

In response to a question from Commissioner Andric, Ms. Andrews said the plaza is not changing and reviewed the materials. She said there is no additional illumination.

In response to a question from Commissioner DeLeo, Ms. Andrews said the lighting in the median walkway is existing and they are still considering landscape lighting. An irrigation system is planned. Commissioner DeLeo said the parking space adjacent to the alley appears difficult to backout. He suggested removing that spot. Ms. Andrews said they do not want to lose additional parking, but they will review the parking space.

Ms. McCallum noted that all the spots in that location have the same condition backing into the alley.

Commissioner Andric asked about the previously approved sign.

Acting Chair Johnson asked that they verify there are no visual obstructions in the alley.

Ms. McManus noted that the proposed changes were reviewed by the Village's Engineering Department, and they had no comments or concerns.

Acting Chair Johnson noted that the path is winding and suggested additional lighting.

Commissioner Saad pointed out that the ramp needs a step on one side.

Commissioner DeLeo moved to grant an Appearance Review Certificate for changes to the site plan, landscaping, hardscape, and a new door opening subject to the following conditions:

1. Parking spaces adjacent to the alley should be further evaluated to verify there are no visual obstructions or traffic concerns.
2. Additional lighting should be added to the pedestrian walkway and return to the Commission for review.
3. One step should be added to the proposed ramp to provide access from the side.
4. A break in the ADA ramp landscape buffer should be added.

The motion was seconded by Commissioner Brill. Voting yes: Commissioners Andric, Brill, DeLeo, Johnson, Saad, and Zee. Voting no: none. **The motion carried.**

2024-AR-06
3200-3232 Lake Avenue

Eden's Plaza
Certificate

Ms. McManus introduced the case stating that it is a request for minor revisions to the site plan and landscaping.

Ms. McCallum said there will be planting updates to enhance the entrance. As a result of the Skokie shared use path, they are proposing bike parking and sidewalk widening. Two new seating areas are proposed.

In response to a question from Acting Chair Johnson, Ms. Andrews said there will be a fence along the walk by Walgreens as previously approved.

Commissioner Andric asked about the previously approved sign. Ms. Andrews said landscaping will also help identify the entry.

In response to a question from Acting Chair Johnson, Ms. Andrews said the sign has not been stained yet due to the weather.

Ms. McCallum said one additional tree will be removed and she reviewed the hardscape improvements which tie into the new path. There are new bike racks, and the sidewalk will be widened from 5 feet to 7 feet. They are adding seating areas to building 2 and building 3.

In response to a question from Commissioner Andric, Ms. Andrews said the seating areas will have removable tables and chairs by the tenant. She said planters are proposed to provide separation. She said the seating will be removed in the winter.

In response to a question from Commissioner DeLeo, Ms. Andrews said there are no changes to the light fixtures.

Ms. McCallum said the previously proposed trees were blocking the Walgreens sign so they will be shifted, and there will be enhanced landscaping at the entrance. Rock cobble is proposed at the stormwater system. The planters will be planted with tall grass. There are minor ground cover changes, and a row of juniper trees are proposed along the trash enclosure.

In response to a question from Acting Chair Johnson, Ms. Andrews said the planters are concrete.

In response to a question from Commissioner DeLeo, Ms. Andrews said building 2 already has an outdoor seating area and they may consider EV charging stations in the future. They will come back to the Commission if any of the islands change. Ms. McCallum said most of the parking lot is not changing and the shopping cart corrals are still being proposed. Ms. McManus reminded him that they are only showing what is proposed to change not everything else that has previously been approved.

In response to a question from Commissioner Andric, Ms. McCallum said the parking lot will be repaved and the lighting was part of the previous approval.

In response to a question from Commissioner Saad, Ms. Andrews said most of the trees proposed for removal were in poor condition, but tree 45 is in good condition. She said they are adding a number of trees and are in compliance with the tree preservation ordinance.

In response to a question from Commissioner Zee, Ms. Andrews said tree 45 is in good condition but is in the location of the patio improvements. They will be adding 5 feet on the east side.

In response to a question from Acting Chair Johnson, Ms. Andrews said the tree would not survive with the proposed work.

In response to a question from Commissioner Saad, Ms. Andrews said they prefer not to remove a parking space.

Ms. McManus said the tree removals were reviewed by the Village's Tree Preservation Officer who noted that the removal requires a fee but is compliance with the ordinance.

Commissioner Johnson said the tree would provide shade on the patio. Ms. Andrews said there is an existing overhang that provides shade. Acting Chair Johnson encouraged them to preserve the tree.

Commissioner Saad said he cannot support the application due to the number of trees removed, noting that tree 45 is in good condition.

Commissioner Brill moved to grant an Appearance Review Certificate for site and landscaping revisions as submitted.

The motion was seconded by Commissioner DeLeo. Voting yes: Commissioners Andric, Brill, DeLeo, Johnson, and Zee. Voting no: Saad. **The motion carried.**

2024-AR-05
3232 Lake Avenue

Wayfair
Sign Variation/Certificate

Ms. McManus introduced the case stating that the request has two components, a sign variation for a wall sign and a certificate for a mural. The sign requires a quantity variation for an additional wall sign; a variation was previously granted for the wall sign and canopy sign. The proposed wall sign was shown on renderings previously but wasn't part of previous approval. She said there are no issues with coverage, only the quantity of wall signs.

Ms. Tsao said the east façade has the main entry where the café is also located. There is an outdoor patio and the sign logo and font were recently finalized. The Porch sign is black, non-illuminated channel letters, under the awning and above the door.

Commissioner Zee said the sign is somewhat confusing given its proximity to the main entrance and seems forgotten. Ms. Tsao said the sign is set back a little and provides access to the restaurant from the outside. She said most customers will enter the restaurants from the store's interior. Commissioner Zee questioned how legible the sign will be.

Mr. Lindberg said the Porch is important to the brand and they are investing in branded coffee cups and other items with the Porch name. Food is part of the experience, and they want customers to stay and relax and the porch will be a meeting place.

In response to a question from Commissioner Andric, Mr. Lindberg said the restaurant's hours will be the same as the store hours.

In response to a question from Commissioner Brill, Ms. Tsao said the restaurant name is a reference to the home and a gathering place outside. She said most of the seating is inside with 20 seats on the patio.

Commissioner Saad noted that there is a hole in the top of the sign but not the bottom and cautioned that there may be steaks on the sign.

In response to a question from Commissioner DeLeo Ms. Tsao said there are planters indicated on the site plan that define the space. There is a small path to the front door of the restaurant and a crosswalk in front of the main door. There are also planters along the street.

Acting Chair Johnson likes the concept and said the letter addressing the standards was very detailed. He said the unusual circumstances of the building and site support the request and the sign is subtle.

Commissioner DeLeo moved to recommend granting a sign variation to display an additional wall sign on the east elevation.

The motion was seconded by Commissioner Andric. Voting yes: Commissioners Andric, Brill, DeLeo, Johnson, Saad, and Zee. Voting no: None. **The motion carried.**

Commissioner Saad moved to authorize the chairman to approve the case report for the Village Board's February 27th meeting. Commissioner Zee seconded the motion. Commissioners Andric, Brill, DeLeo, Johnson, Saad, and Zee. Voting no: None. **The motion carried.**

Ms. McManus introduced the request for an Appearance Review Certificate for a new mural on the north elevation of the Wayfair building. She said the Commission provided a preliminary review of a concept of a mural a couple months ago and the Commission provided general feedback but did not vote on the matter. A mural is not a sign and therefore the request is for a certificate, not a variation. The Commission should look at the mural as a design element and consider its appearance.

In response to a question from Acting Chair Johnson, Ms. McManus said the mural is next to where the former pinwheel design was and on the wall where a landscape climbing wall is proposed.

Mr. Lindberg said he represents Wayfair's brand experience and introduced the mural artist, Alyssa Low. He reviewed the thought process for the mural and said Wayfair saw an opportunity to create public art with the large wall space that was available. Wayfair is the sponsor and is willing to invest in the mural as public art. He said the mural enhances the plaza and creates a more welcoming space by softening the area and making it a destination. The large volume on the north wall could be broken up more with a colorful and vibrant opportunity. They desired an inclusivity concept with different people and different styles that speaks to the home and community. The mural is very colorful and joyful that both children and adults can relate to. They were looking for a design that was fresh and modern and not too traditional. The proposed design is fun to explore with layers and references to Wilmette and Chicago. It speaks to the home but not the Wayfair brand specifically. They wanted an artist that was local and desired a bold and graphic style that felt new.

Ms. Low introduced herself and said she lives in Chicago and is from Long Grove. She showed examples of her other work and said her style is a celebration of color, shape, and composition. She has collaborated with other organizations using a geometric style. She uses thoughts and concepts in their purest form and combines them with other objects to create a narrative. The proposed mural is a celebration of community, people, and interaction, and celebrating small moments.

Mr. Lindberg said there are many details to explore, and you see different things each time you visit.

In response to a question from Acting Chair Johnson, Ms. McManus said this would be approval for this specific mural, not just the concept of a mural.

In response to a question from Commissioner DeLeo, McManus said a mural is not considered a sign and the approval is specifically for this proposed size and location. The Commission should look at the

appearance and design. She said the public art at Optima was part of the PUD process, so it did not go to the Appearance Review Commission. To her knowledge, the Commission has not seen a similar request. The mural should be looked at as a design element and part of the building.

In response to a question from Commissioner Saad, Ms. McManus said she is not aware of the ad hoc committee discussion of the Veteran's Park mural.

Acting Chair Johnson noted that this would not be an approval of public art in general, just a design element of the Wayfair building similar to the previous pinwheel design.

Commissioner DeLeo said the scale and colors of the Wayfair building were previously approved and are subtle and complimentary. Now a new element is being introduced that is different. He said he would like more information on how the Commission should review murals. He said while he appreciates the effort, but he questioned the message of the mural. He said the image is abstract and there is a lot going on.

Commissioner Andric said this is considered place making and she is grateful to Wayfair for this effort. The building is commercial and instead of adding more signage, they are creating an interesting element. She said the mural is a fantastic idea and art should not be criticized but celebrated. The concept reflects the home and what is happening inside the building. She expressed concern with the whiteness of the background and that it may get dingy.

Commissioner DeLeo said the mural will be in the shade.

Commissioner Saad said he was disappointed when the colorful pinwheels were removed leaving a giant white wall. The mural makes the elevation more than just a Wayfair store and is not just a random piece of art. The artist is established, and he appreciates the simplicity and style of the graphics.

Commissioner Brill said the building is very tasteful and very Wilmette, and the mural is huge and relatively permanent that will be seen by everyone in a prominent location. Some residents will love it, and some will be confused by it. He said the mural doesn't depict Wayfair or Wilmette.

Commissioner Zee said he appreciate the design and it is fresh and beautiful. He said the mural adds interest and character to an area of the building he had concerns about. The addition of the mural is a huge gain with simple, accessible abstract forms, and subtle hints that make it easy to understand.

In response to a question from Commissioner Zee, Ms. Low said the mural will be painted and there is currently down washed lighting. Mr. Lindberg said the lights are installed and cascade down further than you might think.

In response to a question from Acting Chair Johnson, Ms. Low agreed that the renderings look bright white, but the background white will be the same as the approved white building. The building will be the canvas.

Acting Chair Johnson complimented the mural and said he is supportive of the building color as the background. He had concerns about the bright white depicted in the rendering.

Commissioner Andric said the mural will need touch up and maintenance.

Commissioner Saad moved to approve an Appearance Review Certificate for a mural on the north elevation of the Wayfair store subject to the following condition:

1. A maintenance plan should be submitted prior to permit issuance.

The motion was seconded by Commissioner Andric. Voting yes: Commissioners Andric, Johnson, Saad, and Zee. Voting no: Brill and DeLeo. **The motion carried.**

V. Public Comment

There was no public comment.

VI. New Business

There was no new business discussed.

VII. Old Business

There was no old business discussed.

VIII. Adjournment

At 8:39 p.m., Commissioner DeLeo moved to adjourn the meeting. The motion was seconded by Commissioner Brill. The vote was as follows: all ayes. **The motion carried.**

Respectfully Submitted,
Kate McManus
Planner III - AICP



1200 Wilmette Avenue
Wilmette, IL 60091

COMMUNITY DEVELOPMENT
DEPARTMENT

(847) 853-7550
TDD 7-1-1

February 29, 2024

To: Chair Castellano and the Appearance Review Commission

From: Kate McManus
Planner III - AICP

Re: Consent Agenda for March 7, 2024

Attached is a conforming proposal. The Commission should determine whether this proposal meets the Standards of Review for an Appearance Review Certificate. If you would like to remove an item from the Consent Agenda, please bring it to my attention by noon on Thursday, March 7, 2024, and I will notify the petitioner to be present at the meeting to discuss the proposal.

2024-AR-13

A Center for Oriental Medicine

415 ½ 4th Street

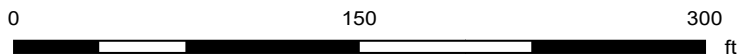
The petitioner wishes to install 1 new window sign for an existing business.

| Sign Ordinance | Proposed Sign |
|--|--|
| A business use may display one primary sign per street frontage. 1 window sign is permitted as a secondary sign. | The business has 1 street frontage with an awning sign. 1 window sign is proposed for the ground level business. |
| Window signs are allowed 10% coverage. | The proposed window sign has 10% coverage. |
| The maximum amount of information displayed on a sign is seven items of information. | The proposed sign has five items of information – the business name, logo, phrase, phone number and website. |

The petitioner wishes to install 1 new window sign for the existing business. The window sign consists of a white background, green, white and black letters and a green and blue logo. The sign will be vinyl applied to the outside of the glass.

Applicable Sections of the Wilmette Zoning Ordinance:

16.10(k) stated the regulations for window signs



Print Date: 2/29/2024

Notes

Disclaimer: The GIS Consortium and MGP Inc. are not liable for any use, misuse, modification or disclosure of any map provided under applicable law. This map is for general information purposes only. Although the information is believed to be generally accurate, errors may exist and the user should independently confirm for accuracy. The map does not constitute a regulatory determination and is not a base for engineering design. A Registered Land Surveyor should be consulted to determine precise location boundaries on the ground.



Sign will be vinyl, applied to the outside of the window. It will have a white background in front of the image and text.

**Report to the Appearance Review Commission
from the
Department of Community Development**

Case Number: 2024-AR-11

Property: 1824 Wilmette Avenue

Zoning District: NR, Neighborhood Retail Business

Petitioner: Illinois Center for Digestive and Liver Health

Request: The petitioner requests an Appearance Review Certificate to remodel the existing storefront including removal of awnings, expanding existing window openings and replacement of storefront windows.

Applicable Provisions of Ordinances: 3.5, Appearance Review Commission Powers
5.7, Appearance Review Certificate

Meeting Date: March 7, 2024

Date of Application: January 16, 2024

Notices: Certificate of Posting dated, February 20, 2024

Report Prepared By: Kate McManus
Planner III - AICP

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Description of the Property

The subject property is located on the north side of Wilmette Avenue in the NR, Neighborhood Retail Business District. The surrounding uses include a mix of commercial uses to the west along Ridge Road Avenue, a mix of single and multi-family residential across the street to the south, and single family residential to the north and east.

Description of Request

The petitioner requests an Appearance Review Certificate to remodel the existing storefront including removal of awnings, expanding existing window openings and replacement of storefront windows. The applicant has indicated that there are no changes proposed to the existing landscaping or parking lot.

A new aluminum storefront entry is proposed with an off-set door and full height storefront windows. Both windows and door are proposed to be anodized aluminum in a dark bronze finish to match the existing windows to remain. The existing bubbled awnings on the façade will be removed.

Action Required

The Commission may grant an Appearance Review Certificate provided they determine the proposal meets the following standards.

Appearance Review Certificate Standards of Review

1. All sides of a structure receive design consideration.
2. If the side or rear of the structure faces a street, a residential use, or a property located in a residential zoning district, the exterior materials used on the side or rear are comparable in character and quality to the exterior materials used on the facade of the structure.
3. Materials used in the construction and design of the structure are of durable quality.
4. Mechanical equipment is located or screened so as not to be visible from surrounding streets and properties.
5. The scale and placement of the structure on the site is appropriate to the proportion of the site covered by the structure and the location of the structure in relation to its lot lines.
6. Building design and placement must take into consideration natural grade conditions, existing vegetation, and other natural features.
7. Excessive similarity or dissimilarity in design in relation to surrounding or adjoining structures is discouraged, including but not limited to building height, exterior materials, building mass, roof line, and architectural features.
8. Design takes into consideration the relationship to the street and the pedestrian environment.

9. Parking, storage, and refuse areas are located and screened so as not to negatively affect neighboring properties.
10. Landscape is designed to maintain existing mature trees and shrubs to the maximum extent possible.
11. Landscape provides an aesthetically pleasing design and, where applicable, provides for the screening of parking, storage, refuse, and utility areas from the street and adjacent residential properties.
12. Selected plant materials shall be suitable to Wilmette's climate and to their location on the site. The use of invasive species is prohibited. Invasive species shall be those included in the "Chicago Botanic Garden" list of "Invasive Plants in the Chicago Region."
13. Parking areas are designed to achieve efficient traffic flow and minimize dangerous traffic movements.
14. Signs are of the appropriate design, color and placement to the structure, site and adjoining properties, in terms of materials, height, setback from the street, and proportion.
15. Accessory structures, exterior lighting and fences, complement the overall structure and site design, in terms of materials, size, and architectural character.
16. For new two-unit dwellings, review is limited to whether or not the proposed structure maintains the external appearance of a single-family dwelling.

Case File Documents

Location Maps and Plans

2.1 Aerial Map

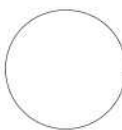
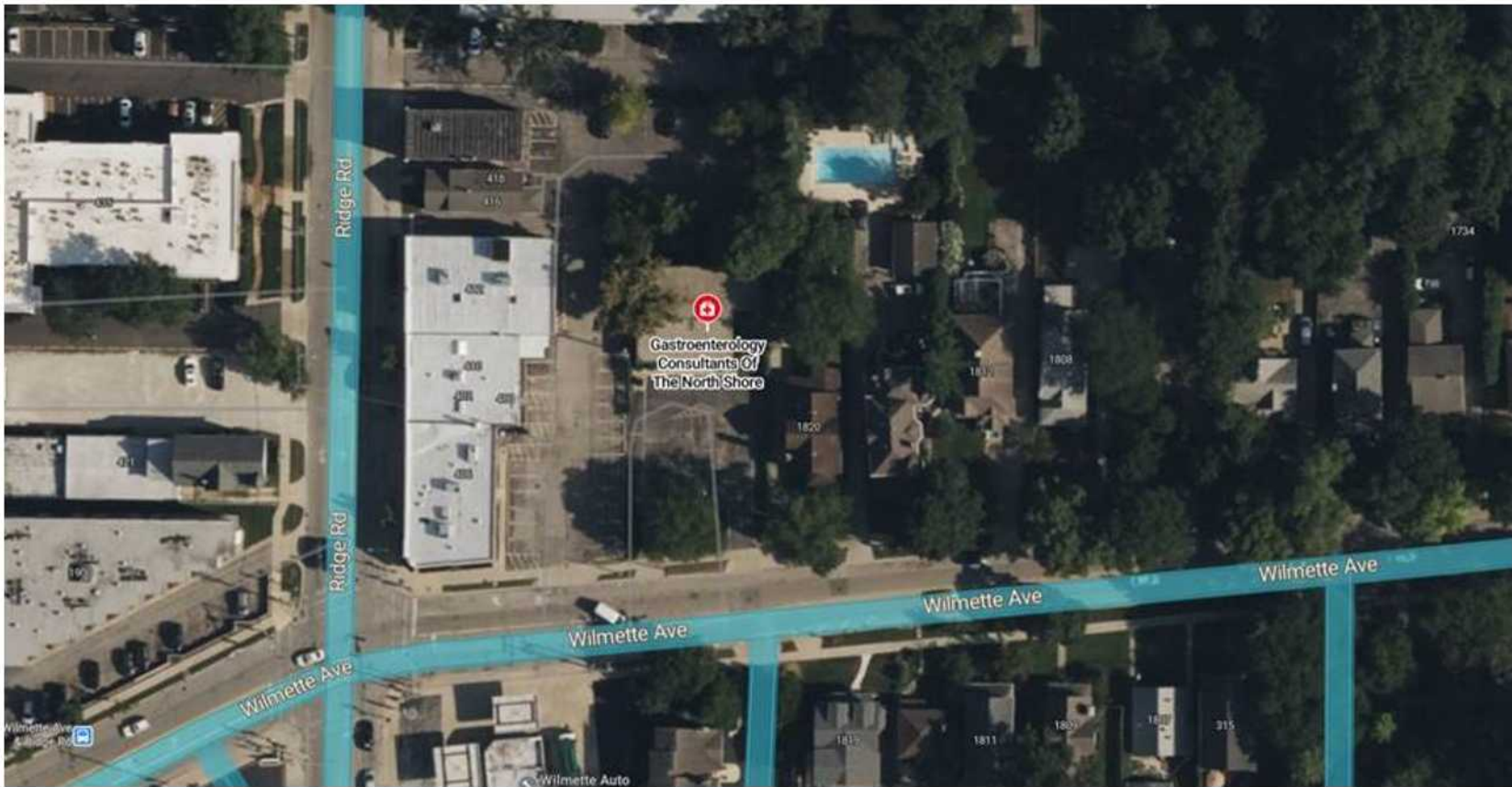
2.2 Appearance Review Commission Submittal Dated January 9, 2024

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APPEARANCE REVIEW COMMISSION SUBMITTAL

The illinois center for digestive and liver health
LAB RENOVATION
1824 WILMETTE AVENUE
WILMETTE, IL 60091

| SHEET INDEX | |
|-------------|--------------------------------|
| COVER | COVER PAGE- LOCATION MAP |
| D101 | DEMOLITION PLAN |
| A101 | FLOOR PLAN |
| A102 | ELEVATION AND DETAILS |
| A103 | DEMO NOTES AND DETAIL |
| A105 | EXISTING PHOTO AND COLOR CHART |

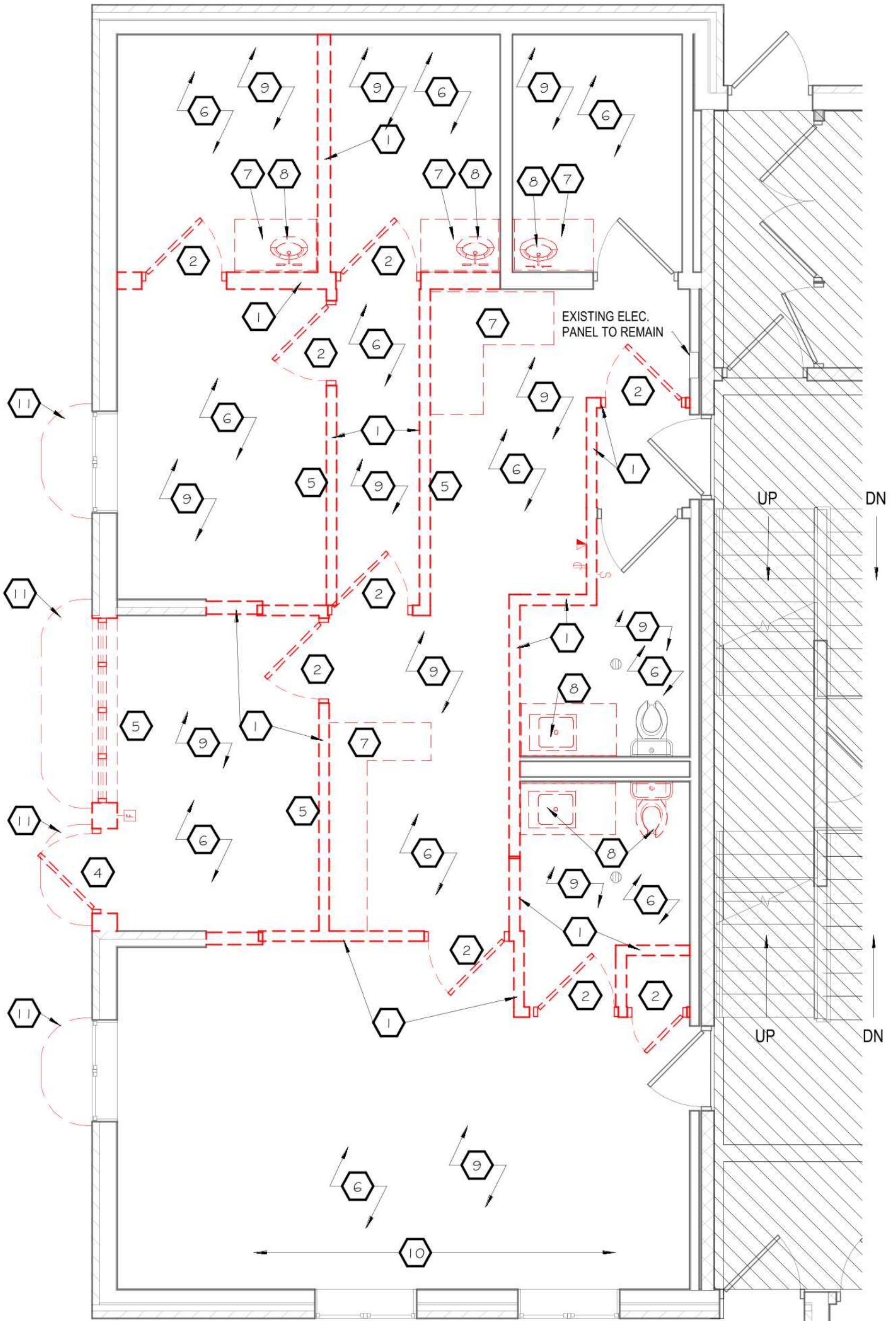


LOCATION MAP
NTS



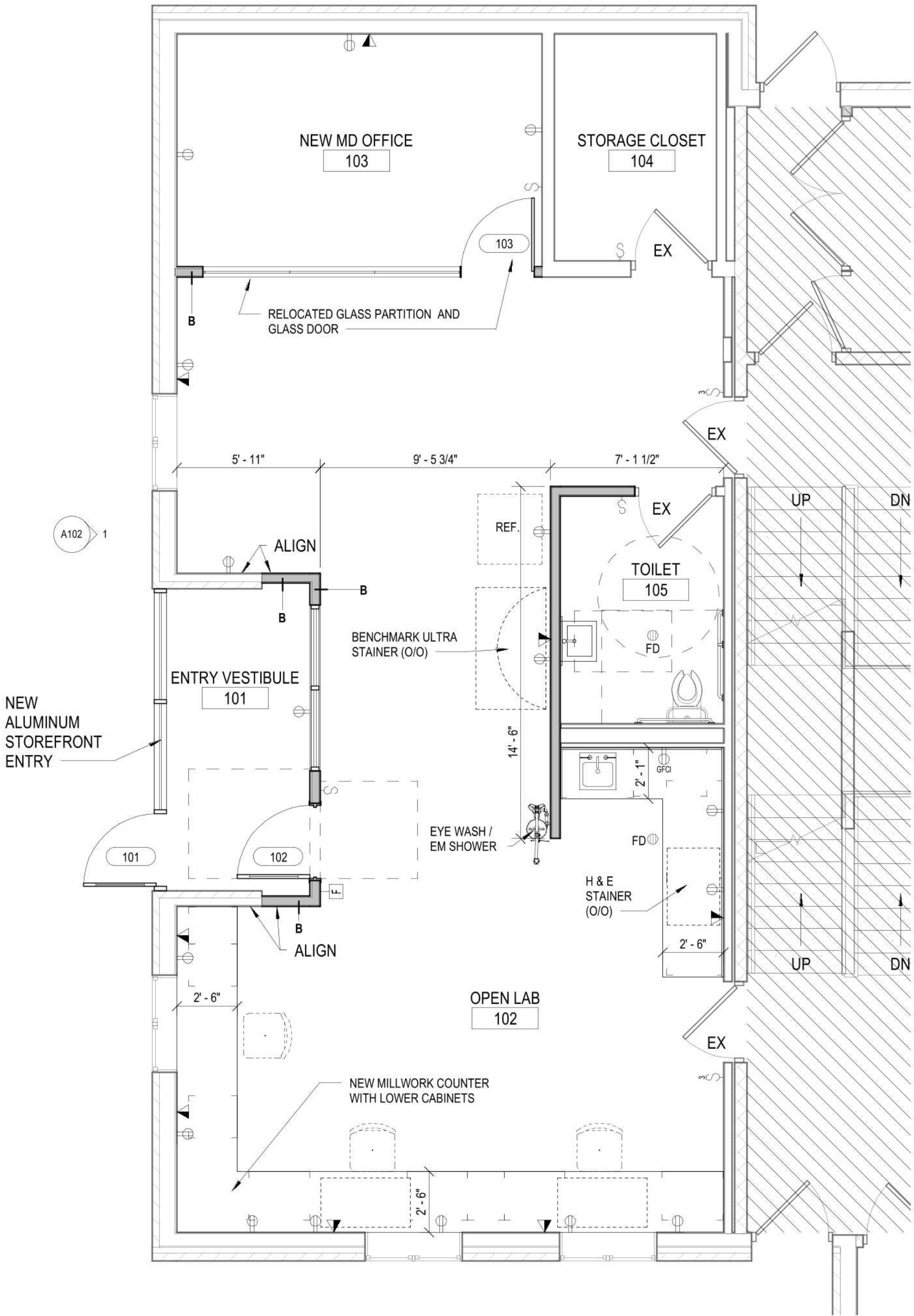
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|---------------------------|---------------|------------------------|------------------|
| PROJECT Lab Renovation | | | |
| REVISIONS | | | |
| DRAWN CCC | CHECKED MM | APPROVED DEM | DATE 01/09/24 |
| SCALE 1/4" = 1'-0" | | JOB NUMBER 22987.00 | SHEET COVER |

Anderson
Mikos Architects Ltd.
"Architecture through Listening"
OAK BROOK GATEWAY
1111 W. 22ND ST, SUITE 315
OAK BROOK, ILLINOIS 60523
TEL. (630) 573 - 5149
FAX. (630) 573 - 5176



1 LEVEL 1 DEMO PLAN
1/4" = 1'-0"

SEE SHEET A104 FOR DEMOLITION KEY NOTES



1 LEVEL 1 FLOOR PLAN
1/4" = 1'-0"



PROJECT
Lab Renovation

REVISIONS

DATE
01/09/24

SCALE
1/4" = 1'-0"

JOB NUMBER
22987.00

SHEET
A101

Anderson
Mikos Architects Ltd.

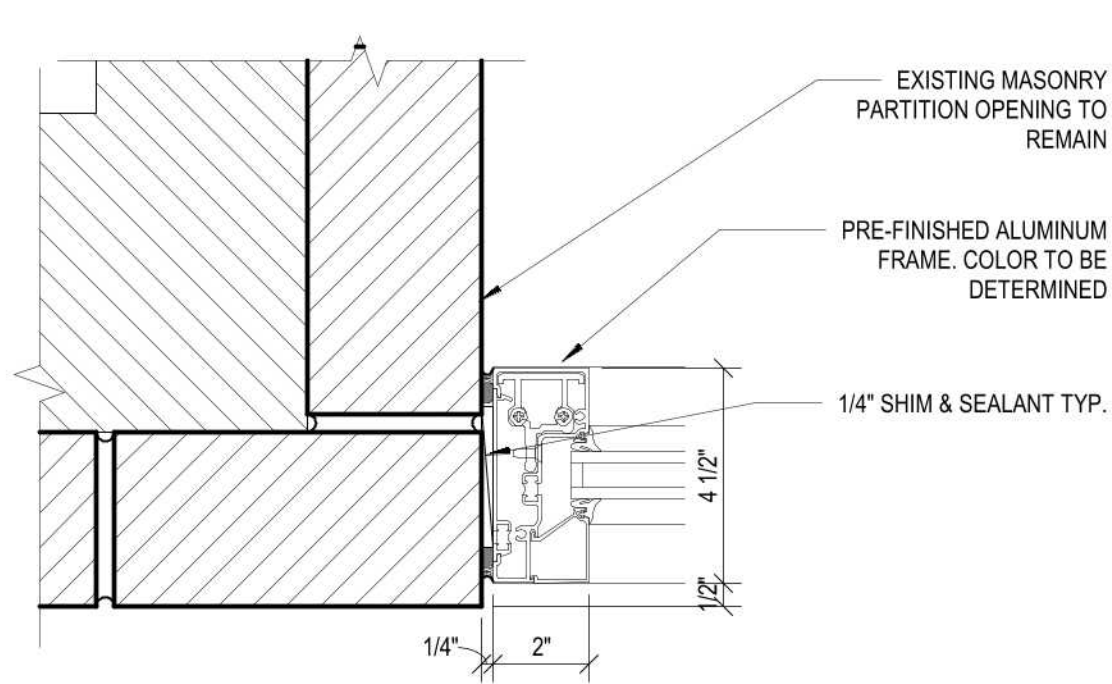
"Architecture through Listening"

OAK BROOK GATEWAY
1111 W. 22ND ST, SUITE 315
OAK BROOK, ILLINOIS 60523
TEL. (630) 573 - 5149
FAX. (630) 573 - 5176

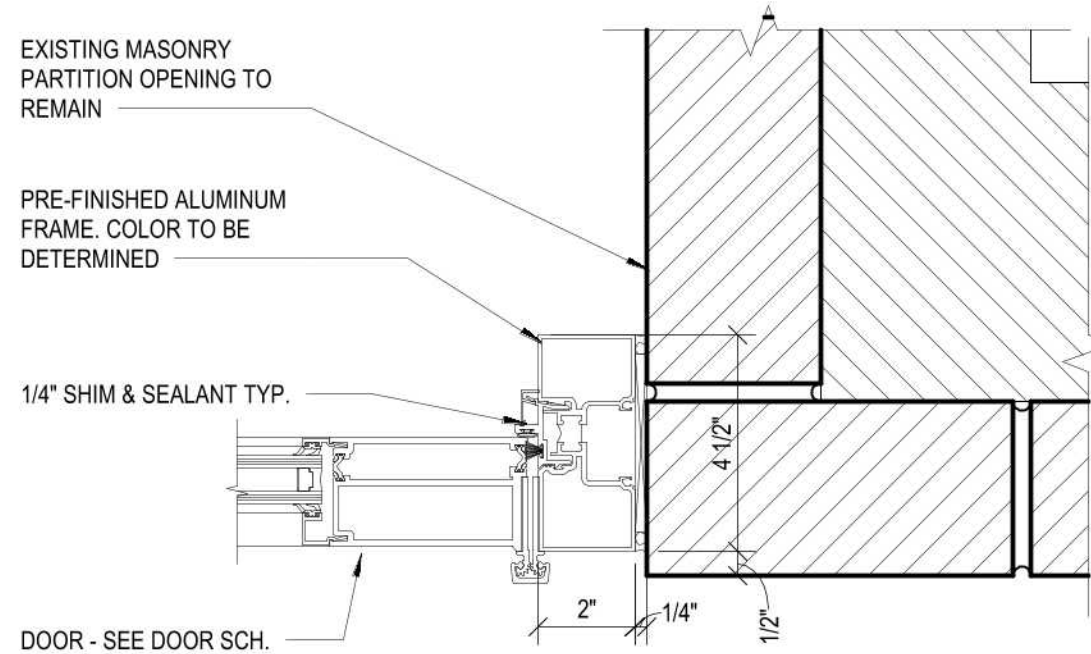
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MM

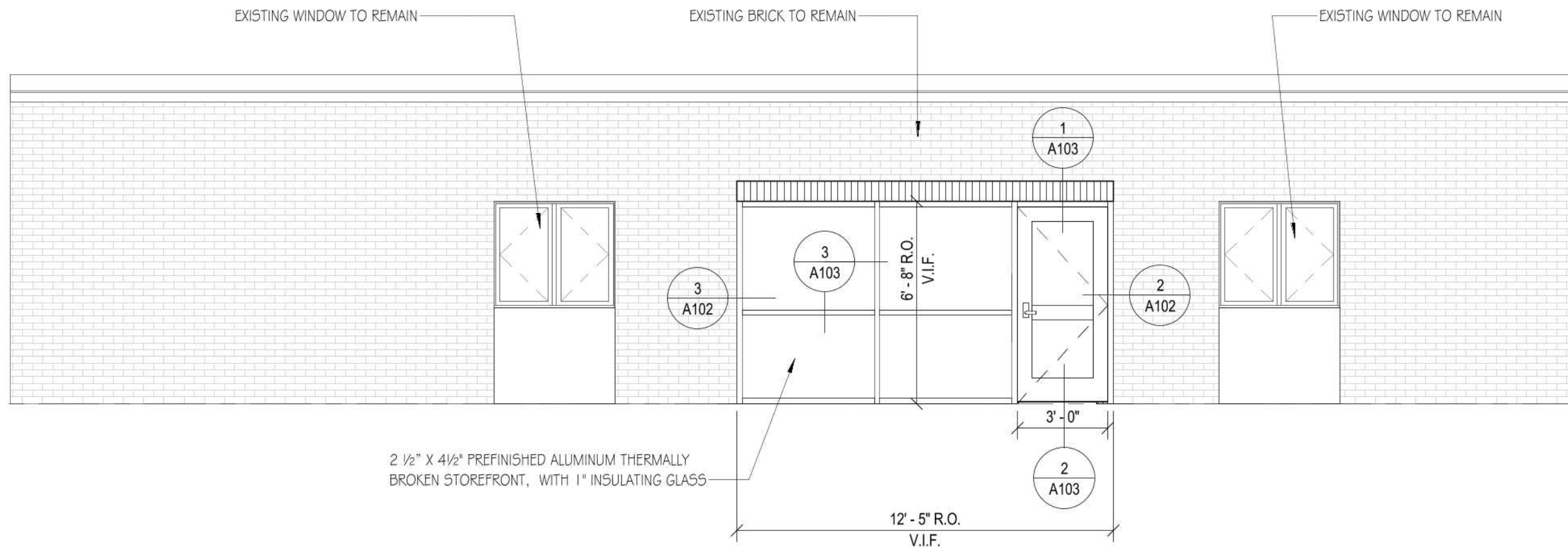
APPROVED
DEM



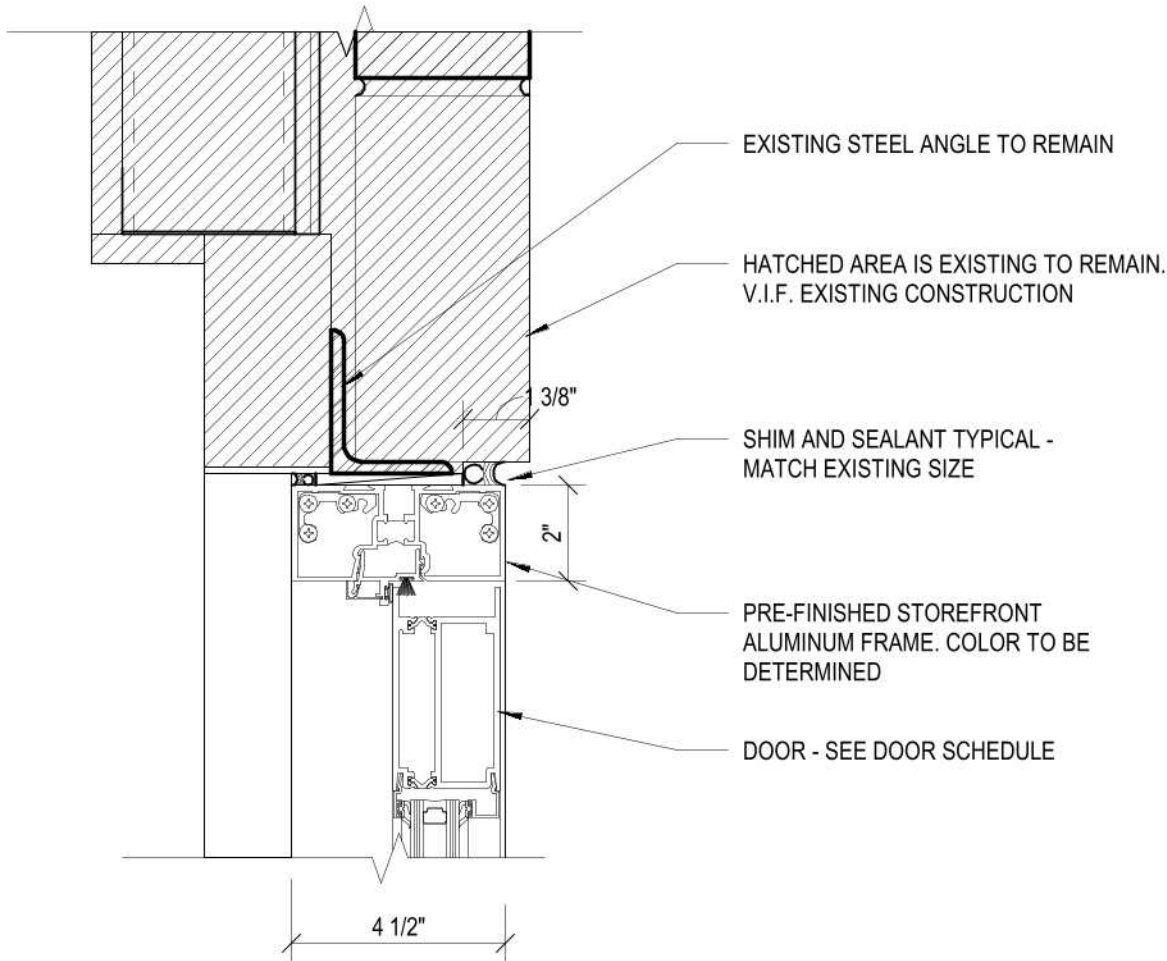
3 ALUM. WINDOW JAMB AT EXISTING BRICK EXTERIOR
3" = 1'-0"



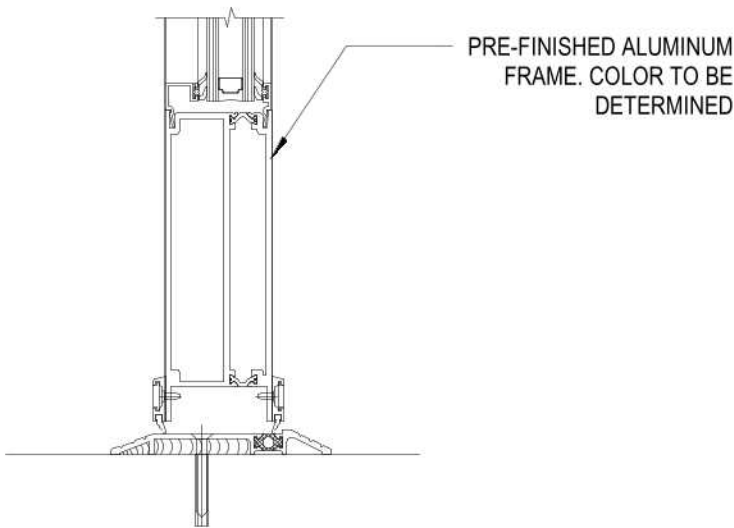
2 ALUM. DOOR JAMB AT EXISTING BRICK EXTERIOR
3" = 1'-0"



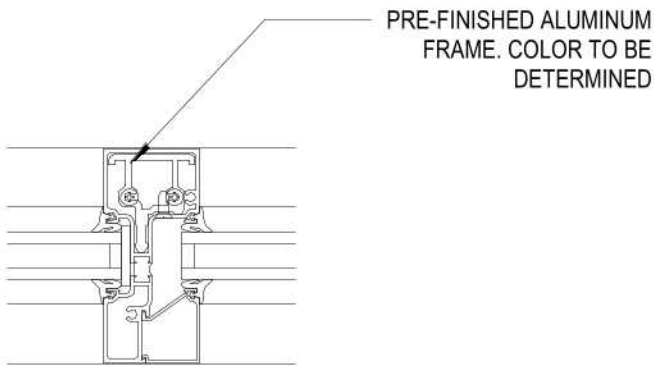
1 EXTERIOR ELEVATION - FRONT
1/4" = 1'-0"



1 ALUM. HEAD AT EXISTING BRICK EXTERIOR
3" = 1'-0"



2 ALUM. SILL
3" = 1'-0"



3 ALU. EXTERIOR MULLION
3" = 1'-0"

DEMOLITION LEGEND/ KEY NOTES

| | |
|-----|--------------------------|
| --- | DEMOLITION SCOPE |
| --- | EXISTING SCOPE TO REMAIN |

- 1 REMOVE EXISTING WALL PARTITION ALONG WITH ASSOC. MECHANICAL, ELECTRICAL AND PLUMBING.
- 2 REMOVE EXISTING DOOR, FRAME, HARDWARE
- 3 REMOVE LOW HEIGHT PARTITION WITH GLASS PANELS AND GLASS DOOR, SAVE FOR RE-USE ON LEVEL 1.
- 4 REMOVE EXTERIOR DOOR AND FRAME.
- 5 REMOVE EXTERIOR AND INTERIOR WINDOWS
- 6 REMOVE EXISTING CEILING FINISH/ SUSP. SYSTEM AND ASSOCIATED LIGHT FIXTURES AND MEP DIFFUSER.
- 7 REMOVE EXISTING MILLWORK CABINETS AND COUNTERTOPS,
- 8 REMOVE EXISTING PLUMBING FIXTURE AND CAP UTILITIES AS REQUIRED.
- 9 REMOVE FLOOR FINISHES, PREP FOR NEW FLOOR FINISH
- 10 REMOVE EXISTING EQUIPMENT AND OR FURNITURE. CONTRACTOR TO COORDINATE WITH OWNER REGARDING ITEMS TO BE SAVED.
- 11 REMOVE EXISTING EXTERIOR AWNINGS ABOVE DOOR AND WINDOWS



HATCHED AREA IS NOT IN CONTRACT (N.I.C.) OR EXISTING TO REMAIN (E.T.R.)



DEMO KEYNOTES
1/4" = 1'-0"

EXISTING WINDOW TO REMAIN

EXISTING WINDOWS, FRAME, SILL AND BRICK BELOW TO BE REMOVED

AWNINGS TO BE REMOVE

EXISTING DOOR AND FRAME TO BE REMOVED

EXISTING PHOTO
1/4" = 1'-0"



Building Legacies

KAWNEER ANODIZED FINISHES

Kawneer gives you a wide variety of anodized finishes with attractive alternatives. The benefit of a durable, anodized finish is married to the beauty of some very dynamic and exciting colors.

At the start of every design, there's a choice of how you want to finish. Contact your Kawneer sales rep for the information on these and other finishes available from Kawneer.

COLOR TO MATCH EXISTING

| | KAWNEER FINISH NO. | COLOR | ALUMINUM ASSOCIATION SPECIFICATION | OTHER COMMENTS |
|--|--------------------|-------------|------------------------------------|---|
| | #14 | CLEAR | AA-M10C21A41 | Architectural Class I (0.7 mils minimum) |
| | #17 | CLEAR | AA-M10C21A31 | Architectural Class II (0.4 mils minimum) |
| | #40 | DARK BRONZE | AA-M10C21A44 | Architectural Class I (0.7 mils minimum) |
| | #29 | BLACK | AA-M10C21A44 | Architectural Class I (0.7 mils minimum) |

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Form No. 22-2354

Technology Park/Atlanta
555 Guthridge Court
Norcross, GA 30092
770.449.5555 TEL
www.kawneer.com



PROJECT
Lab Renovation

REVISIONS

Anderson
Mikos Architects Ltd.
"Architecture through Listening"
OAK BROOK GATEWAY
1111 W. 22ND ST, SUITE 315
OAK BROOK, ILLINOIS 60523
TEL. (630) 573 - 5149
FAX. (630) 573 - 5176

| | | |
|--------------|---------------|-----------------|
| DRAWN CCC | CHECKED MM | APPROVED DEM |
|--------------|---------------|-----------------|

| | | | |
|------------------|-----------------------|------------------------|---------------|
| DATE 01/09/24 | SCALE 1/4" = 1'-0" | JOB NUMBER 22987.00 | SHEET A105 |
|------------------|-----------------------|------------------------|---------------|

**Report to the Appearance Review Commission
from the
Department of Community Development**

Case Number: 2024-AR-12

Property: 2716 Old Glenview Road

Zoning District: R1-A, Single-Family Detached Residence District

Petitioner: Wilmette Baseball Association

Request: The petitioner requests an Appearance Review Certificate for a new equipment shed.

Applicable Provisions of Ordinances: 20-3.5, Appearance Review Commission Powers
20-5.7, Appearance Review Certificate

Meeting Date: March 7, 2024

Date of Application: January 30, 2024

Notices: Certificate of Posting dated February 20, 2024

Report Prepared By: Kate McManus
Planner III - AICP

| |
|--|
| |
|--|

Description of Property

The Subject Property is a flag-shaped lot with 20.5' of frontage on Old Glenview Road approximately 330' east of Westmoreland Drive. The lot also has approximately 248' of frontage on Westmoreland Drive approximately 290' north of Old Glenview Road. The property is 88,000 square feet in area and improved with a baseball diamond, concession stand, two dug outs, two bleachers, one combination bleacher/shed, and gravel parking area.

The Subject Property is surrounded by properties zoned R1-A, Single Family Detached Residence District, and improved with single-family homes.

Proposal

The petitioner proposes to construct a new 12' x 14' shed, 168 square feet in area. The structure is a prefabricated Tuff shed with LP Smartside siding painted white with black trim.

The proposed shed conforms to the setback, height, maximum size, and floor area requirements of the Zoning Ordinance and required a special use because there are more than three accessory structures on the site. The special use was granted in January 2024.

Action Required

The Appearance Review Commission can grant an Appearance Review Certificate provided the proposal meets the following standards of review:

Appearance Review Certificate Standards of Review

1. All sides of a structure receive design consideration.
2. If the side or rear of the structure faces a street, a residential use, or a property located in a residential zoning district, the exterior materials used on the side or rear are comparable in character and quality to the exterior materials used on the facade of the structure.
3. Materials used in the construction and design of the structure are of durable quality.
4. Mechanical equipment is located or screened so as not to be visible from surrounding streets and properties.
5. The scale and placement of the structure on the site is appropriate to the proportion of the site covered by the structure and the location of the structure in relation to its lot lines.
6. Building design and placement must take into consideration natural grade conditions, existing vegetation, and other natural features.
7. Excessive similarity or dissimilarity in design in relation to surrounding or adjoining structures is discouraged, including but not limited to building height, exterior materials, building mass, roof line, and architectural features.
8. Design takes into consideration the relationship to the street and the pedestrian environment.

9. Parking, storage, and refuse areas are located and screened so as not to negatively affect neighboring properties.
10. Landscape is designed to maintain existing mature trees and shrubs to the maximum extent possible.
11. Landscape provides an aesthetically pleasing design and, where applicable, provides for the screening of parking, storage, refuse, and utility areas from the street and adjacent residential properties.
12. Selected plant materials shall be suitable to Wilmette's climate and to their location on the site. The use of invasive species is prohibited. Invasive species shall be those included in the "Chicago Botanic Garden" list of "Invasive Plants in the Chicago Region."
13. Parking areas are designed to achieve efficient traffic flow and minimize dangerous traffic movements.
14. Signs are of the appropriate design, color and placement to the structure, site and adjoining properties, in terms of materials, height, setback from the street, and proportion.
15. Accessory structures, exterior lighting and fences, complement the overall structure and site design, in terms of materials, size, and architectural character.
16. For new two-unit dwellings, review is limited to whether or not the proposed structure maintains the external appearance of a single-family dwelling.

Case File Documents

Written Correspondence

- 1.1 Letter addressing the standards of review

Location Maps and Plans

- 2.1 Aerial Map
- 2.2 Plat of Survey w/ Shed Location
- 2.3 Tuff Shed Specification
- 2.4 Site Photos
- 2.5 Special Use Ordinance

**CANNING & CANNING LLC
1000 SKOKIE BOULEVARD, SUITE 355
WILMETTE, ILLINOIS 60091
(847) 853-7042 - FAX**

CHRISTOPHER S. CANNING
DIRECT DIAL NUMBER
(847) 853-7040
canningchris@comcast.net

February 5, 2024

VIA EMAIL

Devan Castellano, Chair
Appearance Review Commission
Village of Wilmette
c/o Kate McManus, AICP
Planner III
Village of Wilmette
1200 Wilmette Avenue
Wilmette, IL 60091

Re: Wilmette Baseball Association's Application for Appearance Review Certificate.

Dear Chair Castellano and Members of the Appearance Review Commission:

I am writing on behalf of Wilmette Baseball Association regarding its application for an Appearance Review Certificate for the installation of an accessory structure, specifically an equipment shed at Roemer Park at 2716 Old Glenview Road in Wilmette. The Village Board granted Wilmette Baseball's application for a Special Use to install the accessory structure on January 23, 2024. Village staff will include a copy of the Ordinance approving the Special Use in the meeting packet.

Pursuant to the Village of Wilmette Code any application for an Appearance Review Certificate must meet the requirements of Section 11 of the Code. As set forth more fully below, Sophia's Application meets each relevant element of the Standards of Review. Section 30-5.7(d) of the Village Code provides in pertinent part that:

Approval Standards. No appearance review certificate will be granted unless the Appearance Review Commissions makes specific written findings based on the standards imposed by this section. These standards are:

1. *All sides of a structure receive design consideration.*

Response: All sides of the shed were considered when the application was before the Zoning Board and the Village Board. The Village Board adopted an Ordinance granting the Special Use for the shed in accordance with the plans submitted.

2. *If the side or rear of the structure faces a street, a residential use, or a property located in a residential zoning district, the exterior materials used on the side or rear are comparable in character and quality to the exterior materials used on the facade of the structure.*

Response: This Standard is met because the materials for the shed, specifically, manufactured lumber are comparable or exceed the quality of the materials of the other structures at Roemer Park.

3. *Materials used in the construction and design of the structure are of durable quality.*

Response: This Standard is met since the shed will be made of manufactured lumber.

4. *Mechanical equipment is located or screened so as not to be visible from surrounding streets and properties.*

Response: Not applicable.

5. *The scale and placement of the structure on the site is appropriate to the proportion of the site covered by the structure and the location of the structure in relation to its lot lines.*

Response: This Standard is met since the new shed is located in a conforming location and no zoning variations are needed.

6. *Building design and placement must take into consideration natural grade conditions, existing vegetation, and other natural features.*

Response: Not applicable.

7. *Excessive similarity or dissimilarity in design in relation to surrounding or adjoining structures is discouraged, including but not limited to building height, exterior materials, building mass, roof line, and architectural features.*

Response: Not applicable.

8. *Design takes into consideration the relationship to the street and the pedestrian environment.*

Response: This Standard is met since the shed as designed will not encroach into the pedestrian environment.

9. *Parking, storage, and refuse areas are located and screened so as not to negatively affect neighboring properties.*

Response: Roemer Park is screened from adjoining properties and no additional screening is being proposed.

10. *Landscape is designed to maintain existing mature trees and shrubs to the maximum extent possible.*

Response: Not applicable.

11. *Landscape provides an aesthetically pleasing design and, where applicable, provides for the screening of parking, storage, refuse, and utility areas from the street and adjacent residential properties.*

Response: Not applicable.

12. *Selected plant materials shall be suitable to Wilmette's climate and to their location on the site. The use of invasive species is prohibited. Invasive species shall be those included in the "Chicago Botanic Garden" list of "Invasive Plants in the Chicago Region."*

Response: Not applicable.

13. *Parking areas are designed to achieve efficient traffic flow and minimize dangerous traffic movements.*

Response: Not applicable.

14. *Signs are of the appropriate design, color and placement to the structure, site, and adjoining properties, in terms of materials, height, setback from the street, and proportion.*

Response: Not applicable.

15. *Accessory structures, exterior lighting, and fences, complement the overall structure and site design, in terms of materials, size, and architectural character.*

Response: The shed complements the overall use of Roemer Park and the materials used for the shed are in keeping with the other structures at Roemer Park.

16. *For new two-unit dwellings, review is limited to whether or not the proposed structure maintains the external appearance of a single-family dwelling.*

Response: Not applicable.

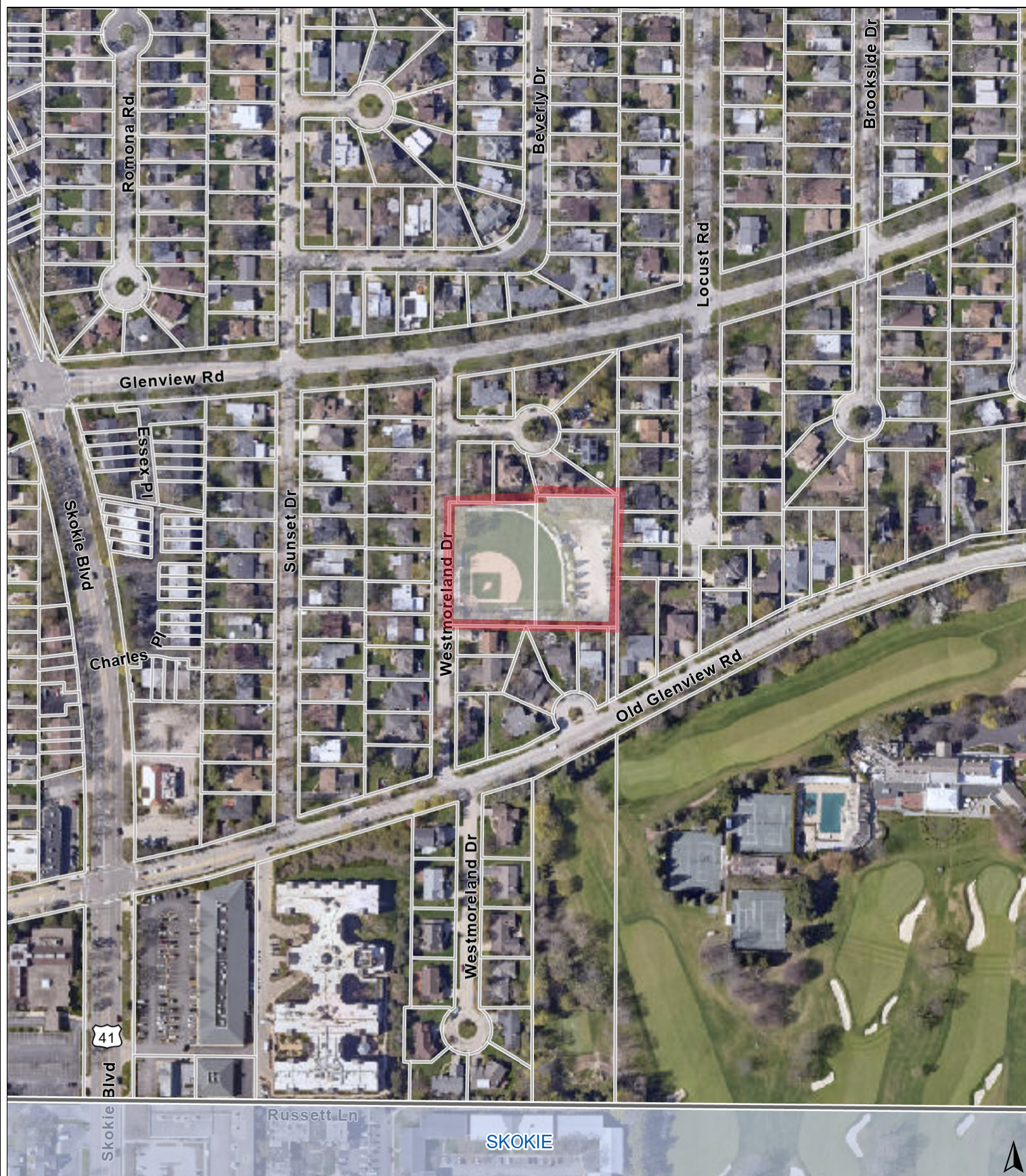
Since Wilmette Baseball's request for an Appearance Review Certificate meets the standards of review under the Village Code, Wilmette Baseball asks that the Appearance Review Commission recommend approval of its application. We look forward to the opportunity to appear at the Public Hearing on the application on March 7, 2024, and answer any questions the Commission may have.

Thank you for your consideration of this request.

Very truly yours,

A handwritten signature in blue ink, appearing to read "Christopher S. Canning", with a stylized, flowing script.

Christopher S. Canning



0 350 700
ft

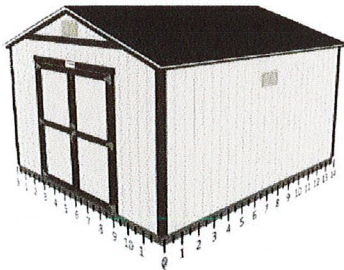
Print Date: 2/29/2024

Notes

Disclaimer: The GIS Consortium and MGP Inc. are not liable for any use, misuse, modification or disclosure of any map provided under applicable law. This map is for general information purposes only. Although the information is believed to be generally accurate, errors may exist and the user should independently confirm for accuracy. The map does not constitute a regulatory determination and is not a base for engineering design. A Registered Land Surveyor should be consulted to determine precise location boundaries on the ground.

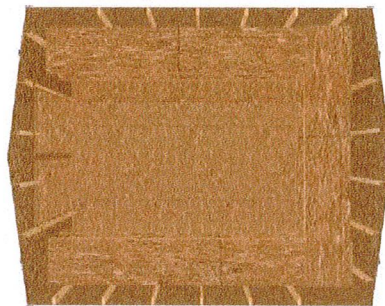


Dan Carpenter
2716 Old Glenview Road
Wilmette IL 60091
Q-2294531



Wall D

Wall A



Wall C

Wall B

Base Details/Permit Details

Building Size & Style

TR-700 - 12' wide by 14' long

Paint Selection

Base: Delicate White, Trim: Black Magic
Customer to apply 2nd coat

Roof Selection

Charcoal 3 Tab

Drip Edge

White

Is a permit required for this job?

Yes

Who is pulling the permit?

Tuff Shed

Optional Details

Doors

3' x 6'2" Double Door (6'), Security
Package

Interior

80 Lin Ft Shelving - 24" deep

Vents

4 Ea 16"x8" Wall Vent - White

Shelving Locations

Shelving on B at 39", 60".

Shelving Locations

Shelving on C at 39", 60".

Shelving Locations

Shelving on D at 39", 60".

Jobsite/Installer Details

**Do you plan to insulate this building after
Tuff Shed installs it?**

No

**Is there a power outlet within 100 feet of
installation location?**

No

**The building location must be level to
properly install the building. How level
is the install location?**

Within 4" of level

**Will there be 18" of unobstructed
workspace around the perimeter of all
four walls?**

Yes

**Can the installers park their pickup truck &
trailer within approximately 200' of
your installation site?**

Yes

Substrate Shed will be installed on?

Dirt/Gravel

DocuSigned by:

Dan Carpenter

Customer Signature: _____ Date: 8/9/2023

D10E0645B3B942B...



BUILT TUFF SINCE 1981

WHAT TO EXPECT

1


TYPES OF BUILDING PURCHASES

There are two main types of Tuff Shed® building purchases. **Most purchases are new buildings**, with components fabricated at our factories, then transported to the customer's site where the building is assembled and installed.

A small percentage of purchases are buildings that have been used as displays. In these cases, the fully assembled building is picked up, then transported to the customer's site where it is delivered into place via tilt-bed trailer.

Some markets offer a concrete pad as part of the Tuff Shed building purchase. In these cases there are additional items for the customer to consider.

This document outlines what to expect with both types of purchases.

 *Items that are specific to display buildings are notated with this icon.*


 *Items relating to concrete slab purchased from Tuff Shed are notated with this icon.*

Customer initials  DC

2

THE PLANNING PROCESS


You've decided on the building style, size and design. Important planning remains for you and for us, including:

- **Review your Building Order** – This tells us how to fabricate your building, where to place items and what colors to use for shingles and paint (if you've selected this upgrade).
 -  *If you Purchased a Display Building – Display buildings are sold in "as is" condition, and can include wear and tear that ranges from minor blemishes to more significant issues such as damaged trim, missing shingles or bent or dented floor joists. Display purchases are discounted to reflect their condition. We recommend inspecting the building first-hand to determine for yourself if the display's condition is acceptable.*
- **Vents** - We strongly recommend adding vents to your building. Along with paint and roofing, there may be no other feature that can help your building perform better.

- **Insulation** - If you are planning to insulate or finish the inside of your building, we need to know so that we can design the building to perform as an insulated structure.
- **Building Permit(s)/HOA Requirements** – Customers need to confirm with their HOA and/or municipality for appropriate building permit and setbacks requirements. Contact us immediately if you need help.



When purchasing concrete through Tuff Shed, a member of the production team for our concrete partner will visit your site and make a plan during a pre-production meeting. Due to the nature of every site being unique, the concrete project management team will review the order and dictate any changes that are needed on your order to ensure the foundation is appropriate for the site and the building. They will examine things such as concrete truck access and the existing grade of the site. Change orders may require additional charges for the concrete portion of your project.

Customer initials 

3

PREPARATION


Your building will be here before you know it. Now it's time to prepare the site and yourself for the upcoming installation:

- **Prepare the Job Site** – Clean the site of all debris (i.e. old tree stumps, trash, dog waste, etc) and a pathway to and from where the delivery vehicle parks.
- **Review Access to Delivery Area** – For new buildings, installers will need to carry building components in large sections to the assembly/installation site. If fence gate has a top "bar", please measure the height and width of the gate opening and provide us with this info prior to installation.
- **Identify and Mark Underground Utilities** - When choosing the location of the building, the customer must take into account any underground utilities that may be impacted by the delivery or installation of the building. It is the customer's responsibility to have marked all underground utilities that will affect the delivery/installation site. Remember that these buildings and delivery trucks are heavy, and that if your building was purchased with earth anchors, that these anchors will be driven into the ground at a typical depth range of up to three feet deep. Many municipalities will help you locate underground electrical, natural gas, fiber optic, cable TV and sewer. They generally will not be able to help you mark location of sprinkler heads, underground irrigation, or septic tanks/drain fields.




For display building purchases, the building will be delivered into place via a heavy-duty truck and long, tilt-bed trailer. The truck and trailer MUST have a clear 12' wide, relatively straight path from paved road, as trailers are unable to make tight turns, similar to a boat trailer or camper. It is vitally important that there are NOT obstacles which cannot

be navigated around, such as: fences, trees, branches, playsets or underground septic systems.

 **Don't Over-Irrigate Prior to Delivery** – This is especially true if your building is a display building, as our delivery vehicles are heavy, and can leave tire tracks when driving across grass or other vegetation.

- **Scheduling** – If we haven't scheduled already, give us a call to schedule installation date and time range.
- **Pre-fabrication** – For new building purchases, we will begin pre-fabricating your building several days in advance of the installation. For many installs, we begin pre-fabrication 5 business days before installation. Our outbound locations may begin manufacturing 10-12 business days before installation. At this time, we will begin placing the rough openings for items like doors, windows and vents.
- **Restocking/Rescheduling Fee** – If changes or cancellation occurs within pre-fabrication period, a restocking/rescheduling or cancellation fee may apply. At this point, building materials have already been ordered, inventoried and have potentially been pre-fabricated, specific to your design.

 When purchasing concrete through Tuff Shed, the installation site will be prepped by our concrete partner. This process typically involves grading the site according to site plans, digging and pouring footers according to your building department's code, laying and compacting gravel as necessary to create a solid, level base and finally, setting wooden form boards. Before the concrete can be poured, the local building department will inspect the prep work.

Customer initials



4

LEVELING YOUR SHED

Check out our video at tuffshed.com/leveling 

It's important that buildings are constructed on a level site. Providing a clean and level site is the customer's responsibility. However, for a reasonable fee, Tuff Shed® can help create a level building foundation by adding concrete blocks and wood shims beneath the structure.

Tuff Shed® does NOT dig into the ground to level a building.

If a small amount of leveling is necessary (up to 4"), it will be provided by Tuff Shed® at no charge. If more substantial leveling is required, the customer must choose between paying Tuff Shed® an additional fee for leveling using the concrete block and wood shim method, or having the ground leveled by someone other than Tuff Shed®.

Tuff Shed® charges for leveling vary by severity of site condition and building size. These prices are not valid for orders that include concrete purchased through Tuff Shed.

See Figure 1.

| Inches Out of Level | up to 200 s.f. | | >200 s.f. |
|------------------------|----------------|----------|-----------|
| | 5" - 8" Out | \$200 | Bid Only |
| | 9" - 12" Out | \$250 | Bid Only |
| | >12" Out | Bid Only | Bid Only |

Figure 1 - Leveling Fees

Blocking up or "shimming" a building is not always the best solution from an appearance standpoint. Please consider the appearance and your long term satisfaction in the building when making the leveling decision. *See figure 2.*

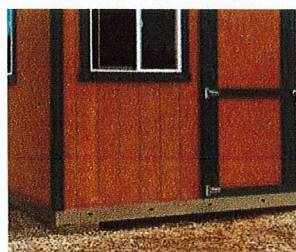
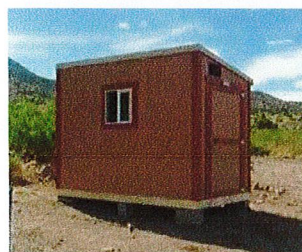
Buildings used as displays will be leveled by placing concrete blocks and wooden shims under the perimeter floor joists only. Display buildings may also include wood skids under the floor joists, which will not be removed or leveled upon delivery. *See figure 3.*




Figure 2 - Close-up of leveling with blocks & shims




Figure 3 - Display building with wood skids beneath the floor joists



Sheds that have been leveled using concrete blocks and wood shims on a variety of surfaces and in a range of leveling severity.

 When purchasing concrete through Tuff Shed, our concrete partner will prepare the site as outlined in the preparation section of this document.

Customer initials 

5

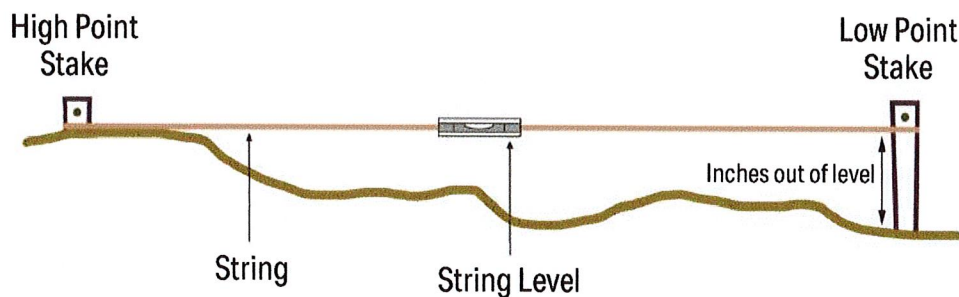
HOW TO DETERMINE IF YOUR SITE IS LEVEL

To accomplish this, you will need wood stakes and a string bubble level and long piece of nylon string, OR a carpenter's level and a long, straight 2x4. The string or 2x4 must be longer than the distance from the high point corner to the other three corners.

Determine where the building will be placed, then drive a stake into each of the four corners and determine which of the corners appear to be the highest and the lowest points. At the high point stake place the string or 2x4 (short-edge down) on the ground and fasten it (*i.e. tie or clamp*) to the high point stake.

Then position the opposite end of the string or 2x4 at the low point stake. Using the string or 2x4 and the level, raise or lower the string or 2x4 at the low point stake until the level bubble floats exactly centered between the two vertical lines in the center glass vial. Now measure the distance from the ground to the bottom edge of the string or 2x4. This is the distance this first dimension is out of level. Repeat this process for the other two corners, measuring again from the high point corner, writing down your measurements.

Now you can determine the distance your build site is out of level and select a method to level the site.



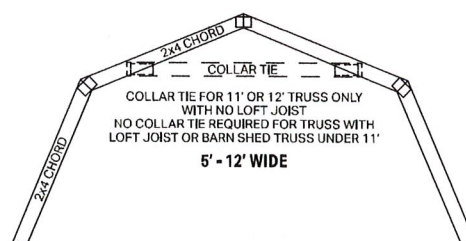
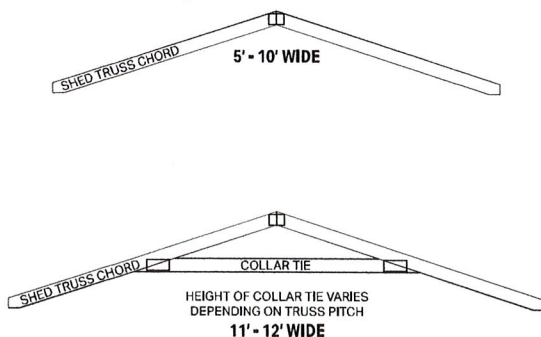
Customer initials DS
DC

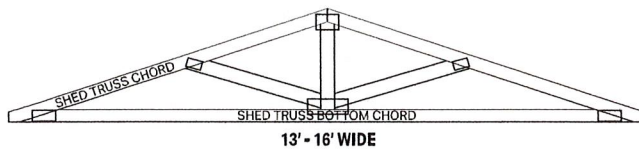
6

ROOF TRUSS TYPES

The type of roof truss that comes standard with your building will vary by the roof type, pitch (steepness) and building width. This is especially important on buildings starting at 12' wide as these trusses include a bottom chord or collar tie (see diagrams below) that can impact the amount of usable space overhead.

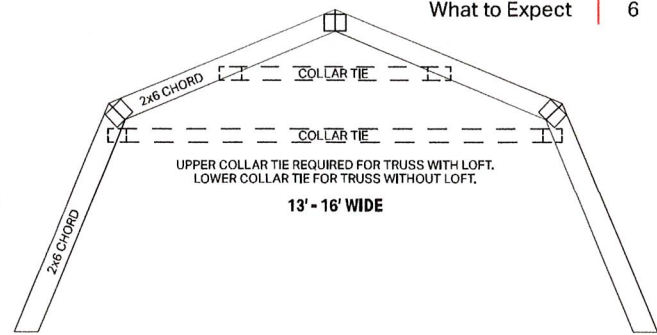
See truss examples here and contact the Tuff Shed® factory with questions.





Customer initials

DS
DC



7

INSTALLATION DAY

Your Tuff Shed® building is about to become a reality. Important details for installation day:



For jobs with concrete purchased through Tuff Shed, our concrete partner will coordinate the pour once their site prep has passed inspections (see preparation section). The concrete project manager will oversee the concrete pour and then turn the project over to Tuff Shed. The pad will need to cure prior to the Tuff Shed building being installed.

- Our installers will arrive on the site, unload materials and components, and begin to assemble your building.



If you purchased a display building, our delivery driver will arrive on the site, review your desired building location, and the access route for his truck and trailer.

- Please have someone over the age of 18 at home.
- An out of level site will force our installers to stop work and collect an additional leveling fee prior to resuming.
- Our installers will need a power source so they can plug in the compressors that power their tools.
- Inspect the building before the installers leave for the day.
- It may surprise you – but like most home builders, the weather seldom interferes with installation. **Rain, snow, and sleet will most likely not prevent installation and will not damage the structure during installation. Ask for details.**

Customer initials

DS
DC

8

HOW WE PAINT

If you have selected the paint upgrade on a new building, then Tuff Shed® will paint your building. Here's our painting process:

- Before being transported to the building site, the first coat of paint is applied at our factories by roller to exterior siding and trim surfaces.
- The second coat of paint is applied during on-site installation. A Seasonal Second Coat Paint Discount is available in select winter markets during cold/wet months. If this discount has been applied to your order, then the installers will not apply the second coat of paint to your building during installation regardless of weather at the time of install.
- Customers who have received our Seasonal Second Coat Paint Discount will be provided with siding and trim paint, a roller and two small brushes. These customers should apply the second coat of paint to their building on a dry day when the temperature is higher than 35 degrees.

Display buildings received the first and second coats of paint prior to being put into service as a display. No additional painting will be included in the purchase.

Customer initials

^{DS}
DC

9

PROPER CARE AND MAINTENANCE


Your Tuff Shed® building will need routine care & maintenance to ensure the building withstands things like weather and wear & tear over time:

- **Keep your Building on the Level** – When normal ground settling occurs, it can affect your Tuff Shed® building, making it difficult to open, close or latch the door. This is not a warranty issue, but in most cases, the building can be easily re-leveled by the customer or for a reasonable fee by Tuff Shed®.
- **Protect your Floor** – Do not add rubber mats or vinyl flooring inside as they can create a serious moisture and rot issue. Do not block floor track vent holes.
- **Redirect Water** – Water is the enemy of most structures. Take care to redirect water from your building whenever possible. Rain water runoff from other structures and misdirected irrigation systems can damage your Tuff Shed® building, and is not covered by warranty.

- **Re-paint Regularly** – Painting is one of the easiest ways to protect the exterior wood surfaces of a Tuff Shed® building. Your building's warranty coverage requires that the building be re-painted every five years. We recommend using high quality materials like Glidden Paints.



Routine painting is essential to a shed's overall protection

Customer initials 

10

APPEARANCE OF MATERIALS

Wondering about the appearance of a certain feature of your Tuff Shed® building? This information can help you better understand why some components look the way they do.

Displays

Display buildings are sold in "as is" condition, which can vary, ranging from minor blemishes like faded paint to more significant issues such as damaged trim, missing shingles, and dented or bent floor joists.

Roofing Nails

It's not a mistake that nails are poking through the roof on the inside of your building. This is necessary due to building codes requiring shingle nails to "pierce the roof decking material" and does not affect the performance of the roof.



Roofing nails piercing roof decking



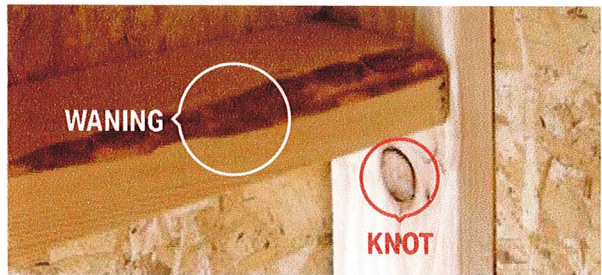
White "chalking" on the steel

Galvanized Steel Floor Joists

- Most of our sheds include 16-gauge, hot-dipped galvanized steel floor joists, which are designed to be placed directly on any firm, level surface.
- White "Chalking" on the Steel – This appearance is normal and does not affect the performance of the steel or the 40-year industry-rating on the material.
- Exposed Steel – These joists are designed to withstand the elements and are exposed after installation. Some customers prefer to cover the steel with "skirting" made from siding. While we can add a skirting, we don't recommend it, since wood siding material contacting the ground can wick up moisture into the building.
- Small Rectangular Holes in the Steel – During production, small vent holes are punched into the steel. These holes allow for airflow beneath the building. Snap-in screen vents are available as an inexpensive upgrade.

Lumber

We use dimensional lumber for wall and roof framing that has been dried, then stored in a controlled environment (our factories) prior to installation. It is unlikely that this wood will have a uniform appearance, and may have blemishes or "waning and knots". This is normal and will not affect the structural integrity of the building.





Waning and Knotted Lumber

Weathertight or Airtight

We strive to make the building weathertight. But they are not airtight. Air and mice can infiltrate your building as they can your home.

Concrete

-  When purchasing concrete through Tuff Shed, our concrete partner will include a control joint for any pad larger than 12 feet. A control joint is a one inch deep cut in the concrete surface to 'control' where cracks form. This joint also serves as a space allowing the concrete to expand and contract as weather changes.
-  Concrete cracks can be scary, but they are completely normal. When purchasing concrete through Tuff Shed, our concrete partner has reinforced the concrete with rebar so that any crack less than 1/2" in width will NOT hinder structural integrity of the concrete pad.

Customer initials  DC

Customer Signature  Dan Carpenter
D10E0645B3B942B...



800-BUY-TUFF
tuffshed.com











ORDINANCE NO. 2024-O-8

**AN ORDINANCE AUTHORIZING A SPECIAL USE PURSUANT
TO THE WILMETTE ZONING ORDINANCE
(2716 Old Glenview Road)**

WHEREAS, Wilmette Baseball Association, (“Applicant”) has submitted an application for a Special Use under Section 5.3 and Section 13.4.A.5 of the Village of Wilmette Zoning Ordinance. Specifically, Applicant requests a Special Use to have more than three accessory structures (“Special Use”) to permit the construction of a new 12’ x 14’ shed upon the property commonly known as 2716 Old Glenview Road, Wilmette, Cook County, Illinois, and legally described as follows (“Subject Property”):

Being the South 263.33 Feet of the North 1686.84 Feet of the West ½ of Lot 29 in the County Clerk’s Division in Section 32, Township 42 North, Range 13, East of the Third Principal Meridian, also

The South 247.68 Feet of the North 1686.84 Feet of Lot 1 (Except that part taken for widening of Westmoreland Drive) in Roemers Subdivision of Lot 30 in County Clerk’s Division in Section 32, Township 42 North, Range 13, East of the Third Principal Meridian, also

That part of the West ½ of Lot 29 in the County Clerk’s Division in Section 32, Township 42 North, Range 13, East of the Third Principal Meridian Described as Follows: the East 18 Feet of the West ½ of said Lot 29 which lies South of the South Line of the North 1686.84 Feet of Said West ½ of Lot 29 and North of the Center Line of Glenview Road, in Cook County, Illinois.

WHEREAS, the Zoning Board of Appeals, after giving due and proper notice as required by law, held a public hearing on January 3, 2024, on the foregoing application for a Special Use, and thereafter filed with the President and Board of Trustees of the Village a report accompanied by findings of fact specifying the reasons for the report and recommending granting the requested relief, in accordance with the Application as submitted, and on the condition that all other requirements of the Zoning and Building Ordinances be complied with and the Special Use shall run with the use; and

NOW, THEREFORE, BE IT ORDAINED by the President and Board of Trustees of the Village of Wilmette, Cook County, Illinois:

SECTION 1: The foregoing findings and recitals are hereby made a part of this Ordinance and are incorporated by reference as if set forth verbatim herein.

SECTION 2: The aforementioned report and recommendation of the Zoning Board of Appeals of this Village is concurred with and approved, and the Special Use is granted and shall run with the use and not with the land.

SECTION 3: The Director of Community Development of the Village of Wilmette, Illinois, hereby is authorized and directed to issue the necessary permits to allow the proposed Special Use, in accordance with the Application, and on the condition that all other requirements of the Zoning and Building Ordinances be complied with.

SECTION 4: This Ordinance shall be in full force and effect from and after its passage and approval as required by law.

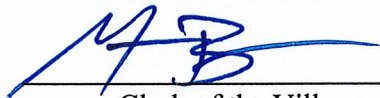
PASSED by the President and Board of Trustees of the Village of Wilmette, Illinois, on the **23rd** day of **January 2024**, according to the following roll call vote:

AYES: Trustees Sheperd, Smith, Leonard, Gajja, Kennedy and President Plunkett.

NAYS: None.

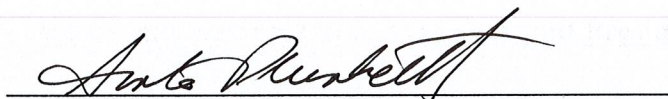
ABSTAIN: None.

ABSENT: Trustee Dodd.



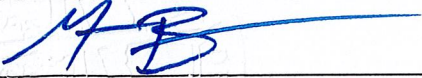
Clerk of the Village of Wilmette, IL

APPROVED by the President of the Village of Wilmette, Illinois, this **23rd** day of **January 2024**.



President of the Village of Wilmette, IL

ATTEST:



Clerk of the Village of Wilmette, IL

**Report to the Appearance Review Commission
from the
Department of Community Development**

Case Number: 2024-AR-10

Property: 1100 Laramie Avenue

Zoning District: R1-A, Single-Family Detached Residence District

Petitioner: Loyola Academy

Request: The petitioner requests an Appearance Review Certificate for outdoor recreational facility lighting.

Applicable Provisions of Ordinances: 20-3.5, Appearance Review Commission Powers
20-5.7, Appearance Review Certificate

Meeting Date: March 7, 2024

Date of Application: February 5, 2024

Notices: Certificate of Posting dated February 20, 2024

Report Prepared By: Kate McManus
Planner III - AICP

| |
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| |
|--|

Description of Property

The Subject Property is located on the east side of Laramie Avenue, from Lake Avenue to Illinois Road. The property has 250.59' of frontage on Lake Avenue, 1,264.97' of frontage on Laramie Avenue, and 558' of frontage on Illinois Road. The property is approximately 854,000 square feet in area and improved with a two-story school, surface parking lots, tennis courts, football field, and other athletic facilities.

To the north and west are properties zoned R1-A, Single-Family Detached Residence, and improved with single-family homes. To the east is the Eden's Expressway. To the southwest are properties zoned NR, Neighborhood Retail, and improved with one-story commercial buildings.

Proposal

The petitioner proposes installing lighting to illuminate the athletic field for the purposes of allowing night-time use of the existing stadium and field. The proposed lighting is located on four light poles surrounding the field and are 80 feet in height. The proposed light fixtures are galvanized steel and aluminum designed with shields to limit the amount of light distribution and glare upon neighboring properties.

The proposed lights were granted several zoning variations in 2024 including a special use, height variation, setback variation, and illumination variation. The Appearance Review Commission's review is limited to the appearance of the fixtures as the lighting intensity, height, location and temperature were approved by the Village Board.

Action Required

The Appearance Review Commission can grant an Appearance Review Certificate provided the proposal meets the following standards of review:

Appearance Review Certificate Standards of Review

1. All sides of a structure receive design consideration.
2. If the side or rear of the structure faces a street, a residential use, or a property located in a residential zoning district, the exterior materials used on the side or rear are comparable in character and quality to the exterior materials used on the facade of the structure.
3. Materials used in the construction and design of the structure are of durable quality.
4. Mechanical equipment is located or screened so as not to be visible from surrounding streets and properties.
5. The scale and placement of the structure on the site is appropriate to the proportion of the site covered by the structure and the location of the structure in relation to its lot lines.
6. Building design and placement must take into consideration natural grade conditions, existing vegetation, and other natural features.

7. Excessive similarity or dissimilarity in design in relation to surrounding or adjoining structures is discouraged, including but not limited to building height, exterior materials, building mass, roof line, and architectural features.
8. Design takes into consideration the relationship to the street and the pedestrian environment.
9. Parking, storage, and refuse areas are located and screened so as not to negatively affect neighboring properties.
10. Landscape is designed to maintain existing mature trees and shrubs to the maximum extent possible.
11. Landscape provides an aesthetically pleasing design and, where applicable, provides for the screening of parking, storage, refuse, and utility areas from the street and adjacent residential properties.
12. Selected plant materials shall be suitable to Wilmette's climate and to their location on the site. The use of invasive species is prohibited. Invasive species shall be those included in the "Chicago Botanic Garden" list of "Invasive Plants in the Chicago Region."
13. Parking areas are designed to achieve efficient traffic flow and minimize dangerous traffic movements.
14. Signs are of the appropriate design, color and placement to the structure, site and adjoining properties, in terms of materials, height, setback from the street, and proportion.
15. Accessory structures, exterior lighting and fences, complement the overall structure and site design, in terms of materials, size, and architectural character.
16. For new two-unit dwellings, review is limited to whether or not the proposed structure maintains the external appearance of a single-family dwelling.

Case File Documents

Written Correspondence

- 1.1 Letter addressing the standards of review

Location Maps and Plans

- 2.1 Aerial Map
- 2.2 Plat of Survey
- 2.3 Site Plan with Light Locations
- 2.4 Lighting Fixture Cut Sheet
- 2.5 Pole Details
- 2.6 Light Rendering
- 2.7 Special Use and Variation Ordinance

**CANNING & CANNING LLC
1000 SKOKIE BOULEVARD, SUITE 355
WILMETTE, ILLINOIS 60091
(847) 853-7042 - FAX**

CHRISTOPHER S. CANNING
DIRECT DIAL NUMBER
(847) 853-7040
canningchris@comcast.net

February 5, 2024

VIA EMAIL

Devan Castellano, Chair
Appearance Review Commission
Village of Wilmette
c/o Kate McManus, AICP
Planner III
Village of Wilmette
1200 Wilmette Avenue
Wilmette, IL 60091

Re: Loyola Academy Application for Appearance Review Certificate.

Dear Chair Castellano and Members of the Appearance Review Commission:

I am writing on behalf of Loyola Academy regarding its application for an Appearance Review Certificate for the installation of permanent outdoor lights at Hoerster Field in Sachs Stadium at 1100 Laramie Avenue in Wilmette. The Village Board granted Loyola's application for a Special Use to install the permanent lights. Village staff will provide a copy of the Ordinance and all relevant exhibits in the meeting packet.

Pursuant to the Village of Wilmette Code any application for an Appearance Review Certificate must meet the requirements of Section 11 of the Code. As set forth more fully below, Sophia's Application meets each relevant element of the Standards of Review. Section 30-5.7(d) of the Village Code provides in pertinent part that:

Approval Standards. No appearance review certificate will be granted unless the Appearance Review Commissions makes specific written findings based on the standards imposed by this section. These standards are:

1. *All sides of a structure receive design consideration.*

Response: The application is solely for the permanent light poles and lights and all sides of the light poles and lights were shown in the application materials and discussed before the Zoning Board and Village Board. The plans for the lights and poles were included in the plans submitted to the Village Board and the Ordinance approved the poles and lights in accordance with the plans submitted.

2. *If the side or rear of the structure faces a street, a residential use, or a property located in a residential zoning district, the exterior materials used on the side or rear are comparable in character and quality to the exterior materials used on the facade of the structure.*

Response: The light poles and lights are made of galvanized steel and aluminum and are comparable in character and quality to the exterior light poles currently at Loyola, if not better.

3. *Materials used in the construction and design of the structure are of durable quality.*

Response: This Standard is met since the light poles will be made of galvanized steel and the light fixtures will be made of aluminum.

4. *Mechanical equipment is located or screened so as not to be visible from surrounding streets and properties.*

Response: The mechanical equipment that is used to operate the lights will not be visible from surrounding streets and properties.

5. *The scale and placement of the structure on the site is appropriate to the proportion of the site covered by the structure and the location of the structure in relation to its lot lines.*

Response: This Standard is met since the Village Board granted the Special Use for Loyola install permanent outdoor lighting in accordance with the plans submitted that showed the site and the location of the poles in relation to the lot lines.

6. *Building design and placement must take into consideration natural grade conditions, existing vegetation, and other natural features.*

Response: Not applicable.

7. *Excessive similarity or dissimilarity in design in relation to surrounding or adjoining structures is discouraged, including but not limited to building height, exterior materials, building mass, roof line, and architectural features.*

Response: Not applicable.

8. *Design takes into consideration the relationship to the street and the pedestrian environment.*

Response: This Standard is met since the location of the light poles will not encroach into the pedestrian environment and will not be located near any public street.

9. *Parking, storage, and refuse areas are located and screened so as not to negatively affect neighboring properties.*

Response: Not applicable.

10. *Landscape is designed to maintain existing mature trees and shrubs to the maximum extent possible.*

Response: Not applicable.

11. *Landscape provides an aesthetically pleasing design and, where applicable, provides for the screening of parking, storage, refuse, and utility areas from the street and adjacent residential properties.*

Response: Not applicable.

12. *Selected plant materials shall be suitable to Wilmette's climate and to their location on the site. The use of invasive species is prohibited. Invasive species shall be those included in the "Chicago Botanic Garden" list of "Invasive Plants in the Chicago Region."*

Response: Not applicable.

13. *Parking areas are designed to achieve efficient traffic flow and minimize dangerous traffic movements.*

Response: Not applicable.

14. *Signs are of the appropriate design, color and placement to the structure, site and adjoining properties, in terms of materials, height, setback from the street, and proportion.*

Response: Not applicable.

15. *Accessory structures, exterior lighting and fences, complement the overall structure and site design, in terms of materials, size, and architectural character.*

Response: This standard is met since the Village Board granted the Special Use to install the permanent outdoor lighting in accordance with the plans submitted showing the site design, the materials and size of the lights and poles.

16. *For new two-unit dwellings, review is limited to whether or not the proposed structure maintains the external appearance of a single-family dwelling.*

Response: Not applicable.

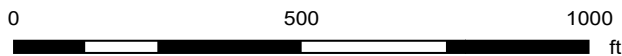
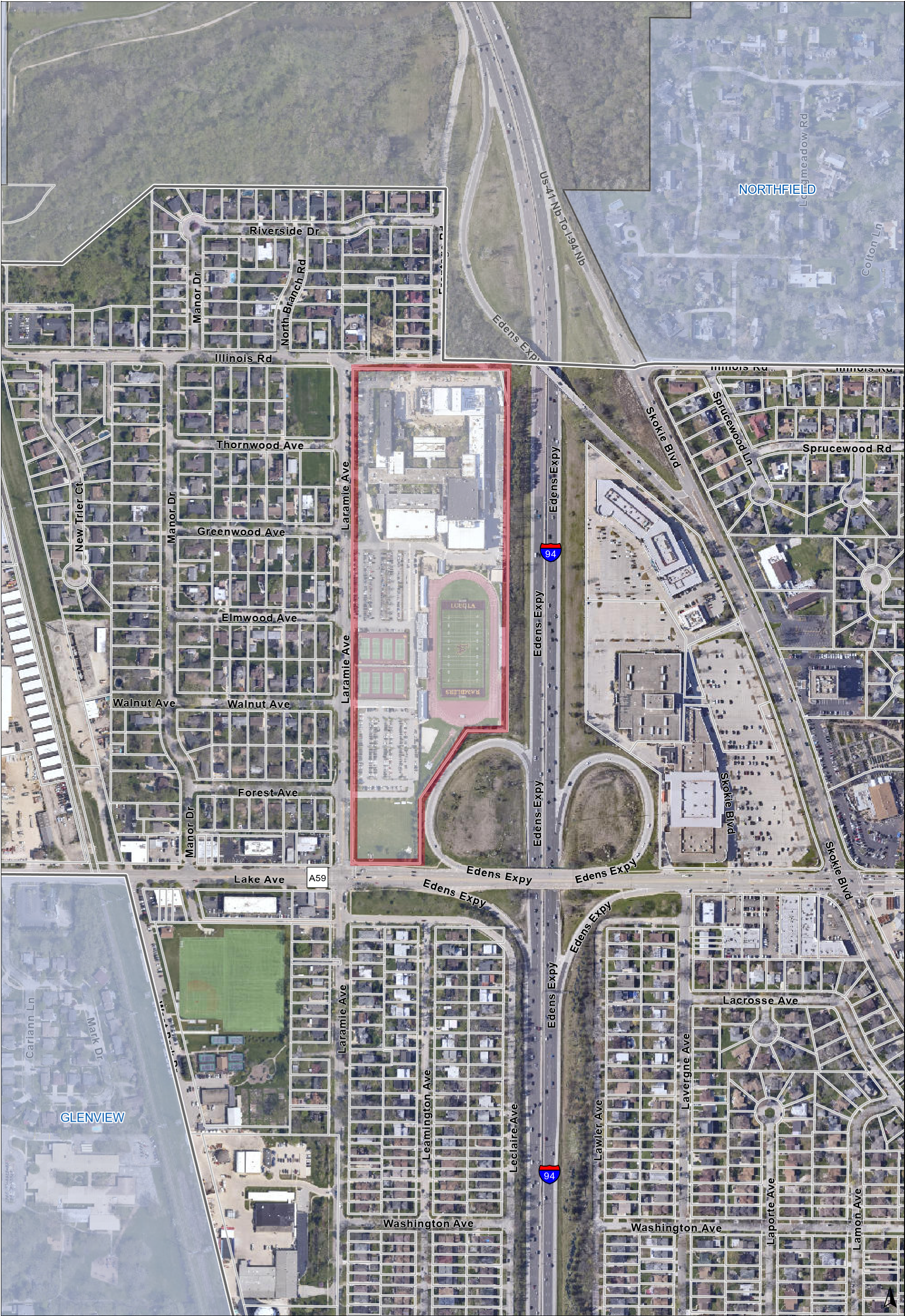
Since Loyola's request for an Appearance Review Certificate meets the standards of review under the Village Code, Loyola asks that the Appearance Review Commission recommend approval of its application. We look forward to the opportunity to appear at the Public Hearing on the application on March 7, 2024 and answer any questions the Commission may have.

Thank you for your consideration of this request.

Very truly yours,

A handwritten signature in blue ink, appearing to read "Christopher S. Canning", with a stylized, flowing script.

Christopher S. Canning

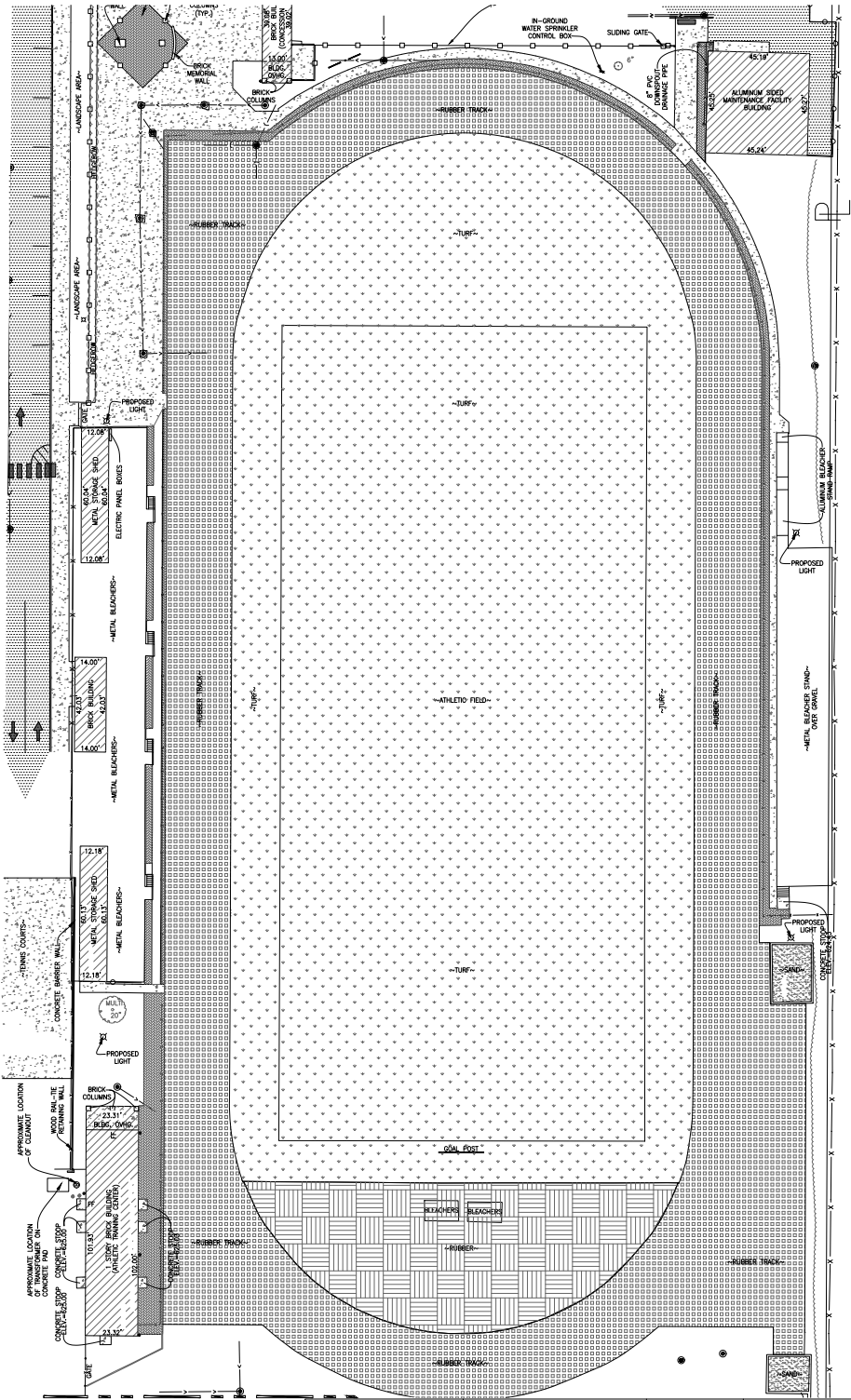
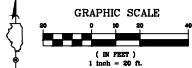


Print Date: 2/29/2024

Notes

Disclaimer: The GIS Consortium and MGP Inc. are not liable for any use, misuse, modification or disclosure of any map provided under applicable law. This map is for general information purposes only. Although the information is believed to be generally accurate, errors may exist and the user should independently confirm for accuracy. The map does not constitute a regulatory determination and is not a base for engineering design. A Registered Land Surveyor should be consulted to determine precise location boundaries on the ground.

ALTA/NSPS Land Title Survey



Map 10, 2023 - 11'x5' (1' = 20')
Loyola Academy Performing Arts Survey 1-10-23.dwg
11/10/2023 11:15 AM

| Date | Description |
|----------|-------------|
| 07-8-19 | Issued |
| 03-10-23 | Issued |

**TERRA**
ENGINEERING LTD.
225 W. Ohio Street
4th Floor
Chicago, IL 60654
TEL: (312) 467-0123
FAX: (312) 467-0220
www.terraengineering.com

Project Information
PROJECT #: 19-135
DRAWN BY: NG
CHECKED BY: TB
APPROVED BY: TB

LOYOLA ACADEMY, WILMETTE, IL
PLAT OF SURVEY

LIGHTING PLAN LAYOUT

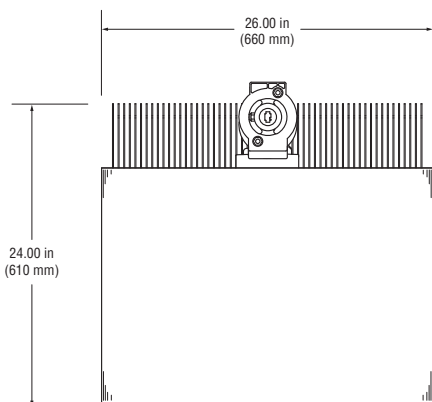
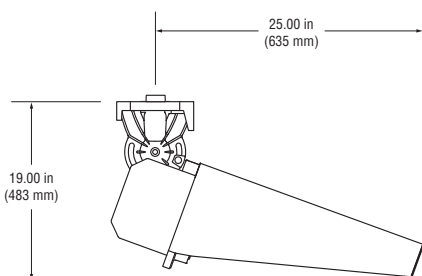
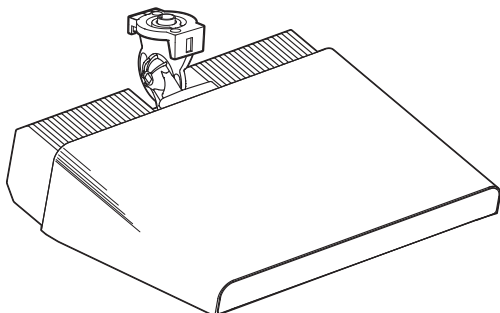
LIGHTING PROPOSAL

Loyola Academy is proposing to install new outdoor lighting at the athletic field on its campus at 1100 Laramie Avenue. The proposed lighting will be 'state of the art' high school-level athletic facility lighting. Loyola Academy has determined these improvements are necessary for the continued success of the school. The lighting will be carefully and thoughtfully designed to mitigate negative impacts on nearby residential properties. Further, operational controls will limit usage of the lights on the field.



LIGHTING FIXTURE CUT SHEET

Datasheet: TLC-LED-1200 Luminaire and Driver



Luminaire Data

| | |
|---|-------------------------------|
| Weight (luminaire) | 45 lb (20 kg) |
| UL listing number | E338094 |
| UL listed for USA / Canada | UL1598 CSA-C22.2 No.250.0 |
| CE Declaration | LVD, EMC, RoHS |
| Ingress protection, luminaire | IP65 |
| Impact rating | IK07 |
| Material and finish | Aluminum, powder-coat painted |
| Wind speed rating (aiming only) | 150 mi/h (67 m/s) |
| UL, IEC ambient temperature rating, luminaire | 50°C (122°F) |

Photometric Characteristics

Projected lumen maintenance per IES TM-21-11

| | |
|----------------------------------|------------------------|
| L90 (20k) | >120,000 h |
| L80 (20k) | >120,000 h |
| L70 (20k) | >120,000 h |
| Lumens ¹ | 136,000 |
| CIE correlated color temperature | 5700 K |
| Color rendering index (CRI) | 75 typ, 70 min |
| LED binning tolerance | 7-step MacAdam Ellipse |

Footnotes:

1) Incorporates appropriate dirt depreciation factor for life of luminaire.



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www.musco.com • lighting@musco.com

Datasheet: TLC-LED-1200 Luminaire and Driver

Driver Data

Electrical Data

| | |
|---|---------------|
| Rated wattage ¹ | |
| Per driver | 1170 W |
| Per luminaire | 1170 W |
| Number of luminaires per driver | 1 |
| Starting (inrush) current | <40 A, 256 µs |
| Fuse rating | 15 A |
| UL, IEC ambient temperature rating, electrical components enclosure | 50°C (122°F) |
| Ingress protection, electrical components enclosure | IP54 |
| Efficiency | 95% |
| Dimming mode | optional |
| Range, energy consumption | 14 – 100% |
| Range, light output | 19 – 100% |
| Flicker | <2% |
| Total harmonic distortion (THD) at full output | <20% |

| | 200 Vac 50/60 Hz | 208 Vac 60 Hz | 220 Vac 50/60 Hz | 230 Vac 50 Hz | 240 Vac 50/60 Hz | 277 Vac 60 Hz | 347 Vac 60 Hz | 380 Vac 50/60 Hz | 400 Vac 50 Hz | 415 Vac 50 Hz | 480 Vac 60 Hz |
|--|---------------------|------------------|---------------------|------------------|---------------------|------------------|------------------|---------------------|------------------|------------------|------------------|
| Max operating current per luminaire ² | 7.26 A | 6.98 A | 6.60 A | 6.31 A | 6.05 A | 5.24 A | 4.18 A | 3.82 A | 3.63 A | 3.50 A | 3.03 A |

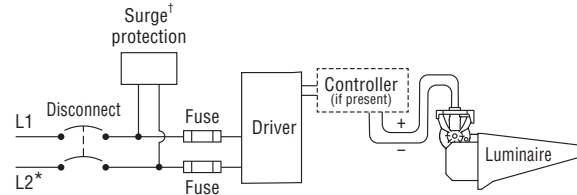
Footnotes:

- 1) Rated wattage is the power consumption, including driver efficiency losses, at stabilized operation in 25°C ambient temperature environment.
- 2) Operating current includes allowance for 0.90 minimum power factor, operating temperature, and LED light source manufacturing tolerances.

Notes

1. Use thermal magnetic HID-rated or D-curve circuit breakers.
2. See *Musco Control System Summary* for circuit information.

Typical Wiring



* If L2 (com) is neutral then not switched or fused.

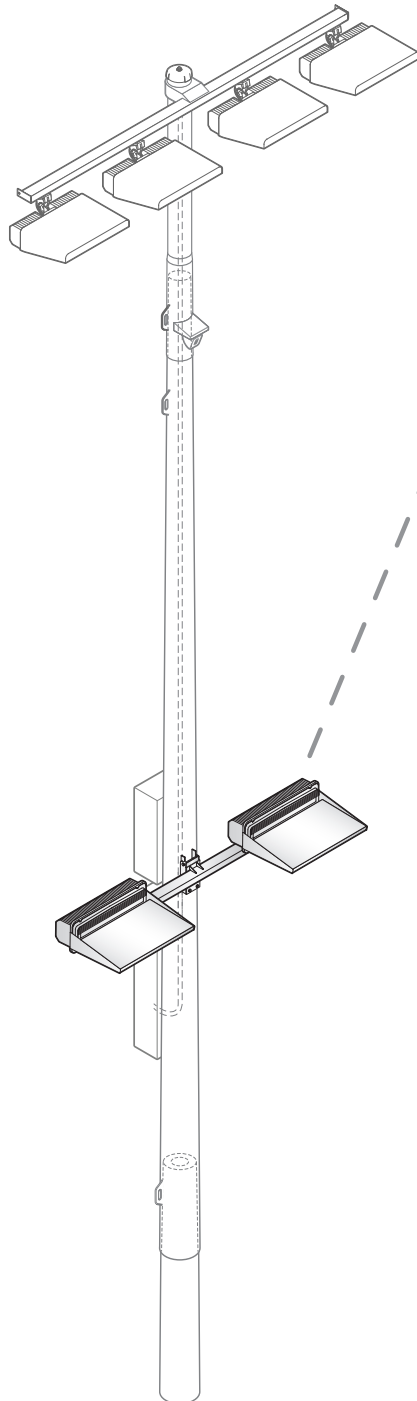
† Not present if indoor installation.



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www.musco.com • lighting@musco.com

Luminaire and Driver – TLC-BT-575



Luminaire Data

| | |
|--|-------------------------------|
| Weight (luminaire) | 34 lb (15 kg) |
| UL listing number | E338094 |
| UL listed for USA/Canada | UL1598 CSA-C22.2 No.250.0 |
| CE Declaration | LVD, EMC, RoHS |
| Ingress protection (luminaire) | IP65 |
| Impact rating | IK07 |
| Material and finish | Aluminum, powder-coat painted |
| Wind speed rating (aiming only) | 150 mi/h (67 m/s) |
| UL, IEC ambient temperature rating (luminaire) | 50°C (122°F) |

Photometric Characteristics

| | |
|--|------------------------|
| Projected lumen maintenance per IES TM-21-11 | |
| L90 (20k) | >120,000 h |
| L80 (20k) | >120,000 h |
| L70 (20k) | >120,000 h |
| Lumens ¹ | 52,000 |
| CIE correlated color temperature | 5700 K |
| Color rendering index (CRI) | 75 typ, 70 min |
| LED binning tolerance | 7-step MacAdam Ellipse |

Footnotes:

- 1) Incorporates appropriate dirt depreciation factor for life of luminaire.

All components from foundation to poletop are designed to work together in Light-Structure System™ to ensure reliable, trouble-free operation.



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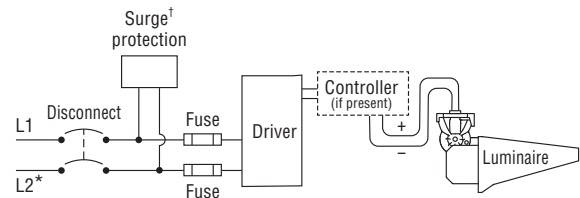
Luminaire and Driver – TLC-BT-575

Driver Data

Electrical Data

| | |
|---|---------------|
| Rated wattage ¹ | |
| Per driver | 575 W |
| Per luminaire | 575 W |
| Number of luminaires per driver | 1 |
| Starting (inrush) current | <40 A, 256 μs |
| Fuse rating | 15 A |
| UL, IEC ambient temperature rating, electrical components enclosure | 50°C (122°F) |
| Ingress protection, electrical components enclosure | IP54 |
| Efficiency | 95% |
| Total harmonic distortion (THD) at full output | <20% |

Typical Wiring



* If L2 is neutral then not switched or fused.

† Not present if indoor installation.

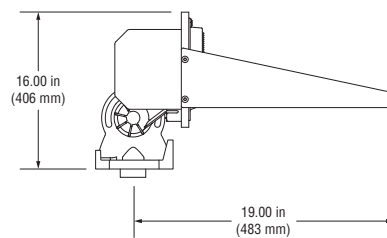
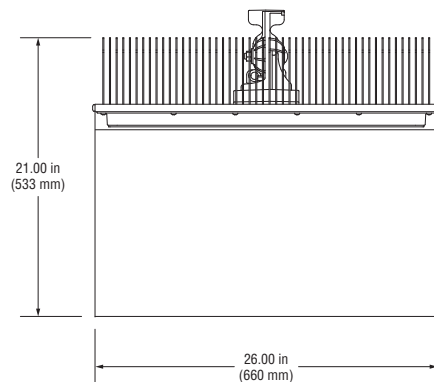
| | 200 Vac 50/60 Hz | 208 Vac 60 Hz | 220 Vac 50/60 Hz | 230 Vac 50 Hz | 240 Vac 50/60 Hz | 277 Vac 60 Hz | 347 Vac 60 Hz | 380 Vac 50/60 Hz | 400 Vac 50 Hz | 415 Vac 50 Hz | 480 Vac 60 Hz |
|--|---------------------|------------------|---------------------|------------------|---------------------|------------------|------------------|---------------------|------------------|------------------|------------------|
| Max operating current per luminaire ² | 3.48 A | 3.35 A | 3.16 A | 3.03 A | 2.90 A | 2.51 A | 2.01 A | 1.83 A | 1.74 A | 1.68 A | 1.45 A |

Footnotes:

- 1) Rated wattage is the power consumption, including driver efficiency losses, at stabilized operation in 25°C ambient temperature environment.
- 2) Operating current includes allowance for 0.90 minimum power factor, operating temperature, and LED light source manufacturing tolerances.

Notes

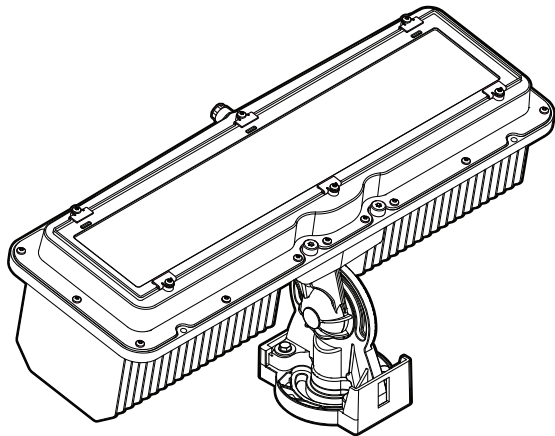
1. Use thermal magnetic HID-rated or D-curve circuit breakers.
2. See *Musco Control System Summary* for circuit information.



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Datasheet: **TLC for LED® RGBA-U Luminaire and Driver**



Luminaire Data

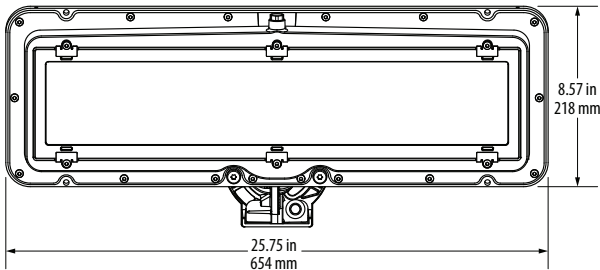
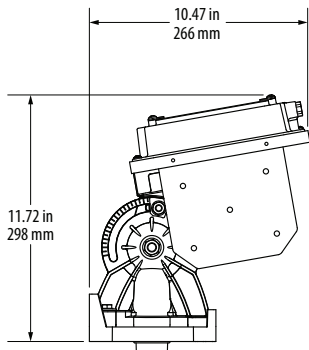
| | |
|--|----------------------------------|
| Weight (luminaire) | 40 lb (18 kg) |
| UL listing number | E338094 |
| UL listed for USA / Canada | UL 1598 CSA-C22-2 No.250.0 |
| Ingress protection (luminaire) | IP65 |
| Impact rating | IK07 |
| Material and finish | Aluminum, powder-coat painted |
| Wind speed rating (aiming only) | 150 mi/h (67 m/s) |
| UL ambient temperature rating (luminaire) | 50°C (122°F) |

Photometric Characteristics

| | |
|-----------------------------|--------|
| Lumens ¹ , amber | 17,500 |
| Lumens ¹ , red | 8000 |
| Lumens ¹ , green | 20,000 |
| Lumens ¹ , blue | 8000 |

Footnotes:

1) Incorporates appropriate dirt depreciation factor for life of luminaire.



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Datasheet: TLC for LED® RGBA-U Luminaire and Driver

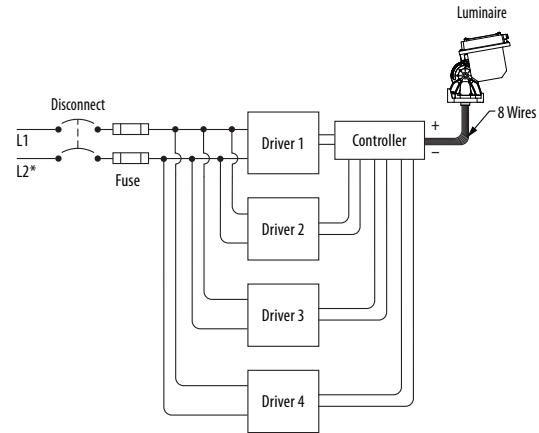
Driver Data

Electrical Data

| | |
|--|-----------------|
| Rated wattage ¹ | |
| Per luminaire, max | 640 W |
| Number of drivers per luminaire | 4 |
| Starting (inrush) current | 106 A, 5 ms |
| Fuse rating | 20 A |
| UL, IEC ambient temperature rating (electrical components enclosure) | 50°C (122°F) |
| Ingress protection (electrical components enclosure) | IP54 |
| Efficiency | 94% |
| Dimming mode | optional |
| Range, energy consumption | varies by color |
| Range, light output | varies by color |

| | 200 Vac 50/60 Hz | 208 Vac 60 Hz | 220 Vac 50/60 Hz | 230 Vac 50 Hz | 240 Vac 50/60 Hz | 277 Vac 60 Hz | 347 Vac 60 Hz | 480 Vac 60 Hz |
|--|---------------------|------------------|---------------------|------------------|---------------------|------------------|------------------|------------------|
| Max operating current per luminaire ² | 3.56 A | 3.44 A | 3.24 A | 3.08 A | 2.96 A | 2.56 A | 2.04 A | 1.48 A |

Typical Wiring



* If L2 is neutral then not switched or fused.

Footnotes:

- 1) Rated wattage is the power consumption, including driver efficiency losses, at stabilized operation in 25°C ambient temperature environment.
- 2) Operating current includes allowance for power factor, operating temperature, and LED light source manufacturing tolerances.

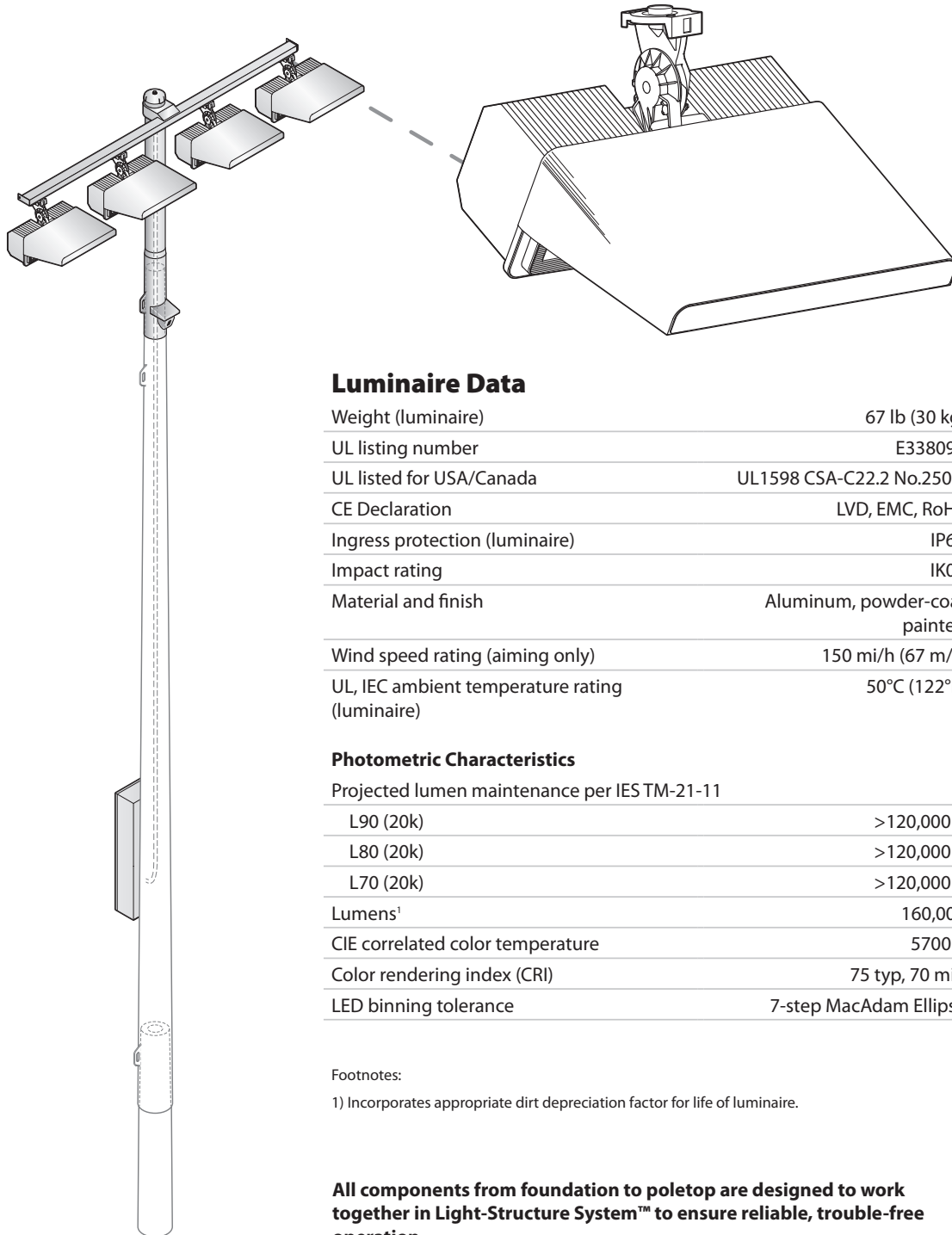
Notes

1. Use thermal magnetic HID-rated or D-curve circuit breakers.
2. See *Musco Control System Summary* for circuit information.



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Luminaire and Driver – TLC-LED-1500



Luminaire Data

| | |
|--|-------------------------------|
| Weight (luminaire) | 67 lb (30 kg) |
| UL listing number | E338094 |
| UL listed for USA/Canada | UL1598 CSA-C22.2 No.250.0 |
| CE Declaration | LVD, EMC, RoHS |
| Ingress protection (luminaire) | IP65 |
| Impact rating | IK07 |
| Material and finish | Aluminum, powder-coat painted |
| Wind speed rating (aiming only) | 150 mi/h (67 m/s) |
| UL, IEC ambient temperature rating (luminaire) | 50°C (122°F) |

Photometric Characteristics

Projected lumen maintenance per IES TM-21-11

| | |
|----------------------------------|------------------------|
| L90 (20k) | >120,000 h |
| L80 (20k) | >120,000 h |
| L70 (20k) | >120,000 h |
| Lumens ¹ | 160,000 |
| CIE correlated color temperature | 5700 K |
| Color rendering index (CRI) | 75 typ, 70 min |
| LED binning tolerance | 7-step MacAdam Ellipse |

Footnotes:

1) Incorporates appropriate dirt depreciation factor for life of luminaire.

All components from foundation to poletop are designed to work together in Light-Structure System™ to ensure reliable, trouble-free operation.



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Luminaire and Driver – TLC-LED-1500

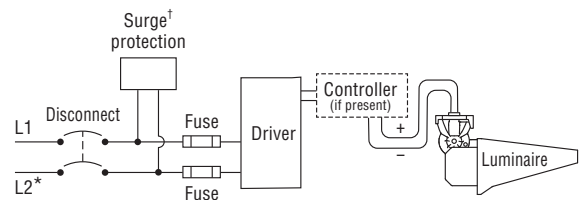
Driver Data

Electrical Data

Rated wattage¹

| | |
|---|---------------|
| Per driver | 1430 W |
| Per luminaire | 1430 W |
| Number of luminaires per driver | 1 |
| Starting (inrush) current | <40 A, 256 μs |
| Fuse rating | 15 A |
| UL, IEC ambient temperature rating, electrical components enclosure | 50°C (122°F) |
| Ingress protection, electrical components enclosure | IP54 |
| Efficiency | 95% |
| Dimming mode | optional |
| Range, energy consumption | 12 – 100% |
| Range, light output | 17 – 100% |
| Flicker | <2% |
| Total harmonic distortion (THD) at full output | <20% |

Typical Wiring



* If L2 is neutral then not switched or fused.

† Not present if indoor installation.

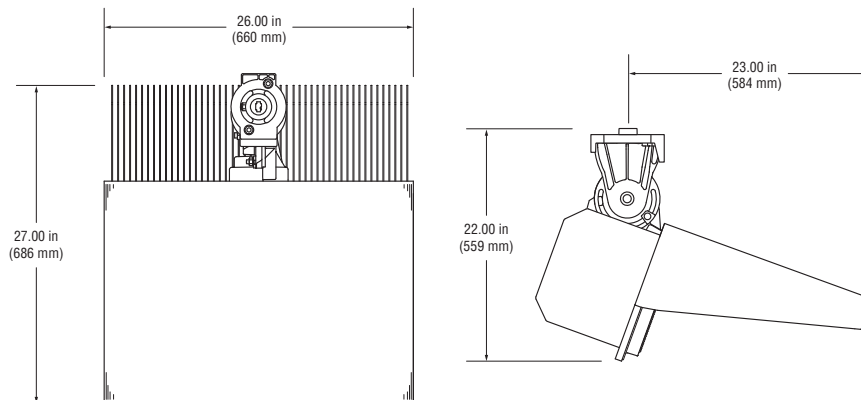
| | 200 Vac 50/60 Hz | 208 Vac 60 Hz | 220 Vac 50/60 Hz | 230 Vac 50 Hz | 240 Vac 50/60 Hz | 277 Vac 60 Hz | 347 Vac 60 Hz | 380 Vac 50/60 Hz | 400 Vac 50 Hz | 415 Vac 50 Hz | 480 Vac 60 Hz |
|--|---------------------|------------------|---------------------|------------------|---------------------|------------------|------------------|---------------------|------------------|------------------|------------------|
| Max operating current per luminaire ² | 8.86 A | 8.52 A | 8.06 A | 7.71 A | 7.39 A | 6.40 A | 5.11 A | 4.67 A | 4.43 A | 4.27 A | 3.70 A |

Footnotes:

- 1) Rated wattage is the power consumption, including driver efficiency losses, at stabilized operation in 25°C ambient temperature environment.
- 2) Operating current includes allowance for 0.90 minimum power factor, operating temperature, and LED light source manufacturing tolerances.

Notes

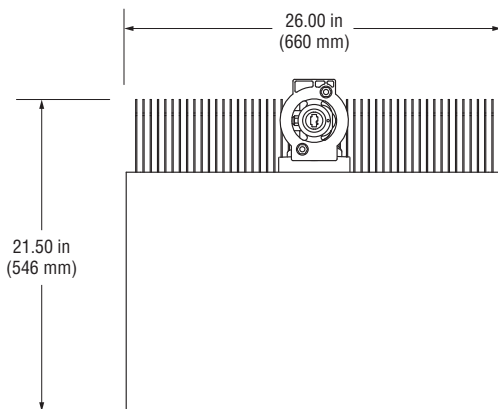
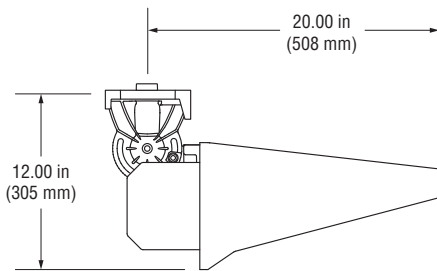
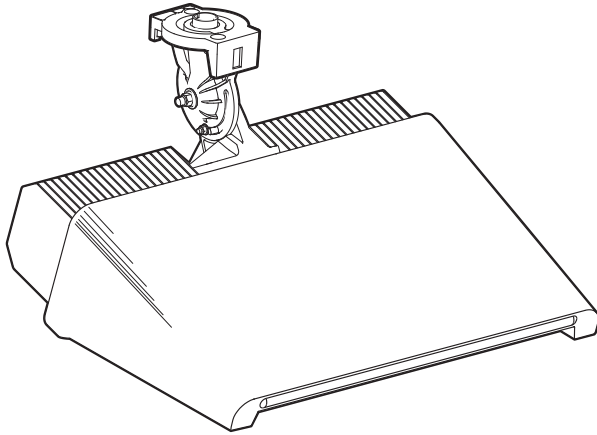
1. Use thermal magnetic HID-rated or D-curve circuit breakers.
2. See *Musco Control System Summary* for circuit information.



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www.musco.com • lighting@musco.com

Datasheet: TLC for LED® RGBW Luminaire and Driver



Luminaire Data

| | |
|---|----------------------------------|
| Weight (luminaire) | 40 lb (18 kg) |
| UL listing number | E338094 |
| UL listed for USA / Canada | UL 1598 CSA-C22-2 No.250.0 |
| Ingress protection, luminaire | IP65 |
| Impact rating | IK07 |
| Material and finish | Aluminum, powder-coat painted |
| Wind speed rating (aiming only) | 150 mi/h (67 m/s) |
| UL ambient temperature rating, luminaire | 50°C (122°F) |

Photometric Characteristics

Projected lumen maintenance per IES TM-21-11

| | |
|--|---|
| L90 (20k) (white only) | >120,000 h |
| L80 (20k) (white only) | >120,000 h |
| L70 (20k) (white only) | >120,000 h |
| CIE correlated color temperature (white only) | 5700 K |
| Color rendering index (CRI) (white only) | 75 typ, 70 min |
| Lumens ¹ , white | 28,500 |
| Lumens ¹ , red | 8,000 |
| Lumens ¹ , green | 20,000 |
| Lumens ¹ , blue | 8,000 |
| LED binning tolerance | 7-step MacAdam Ellipse (white LEDs only) |

Footnotes:

1) Incorporates appropriate dirt depreciation factor for life of luminaire.



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Datasheet: TLC for LED® RGBW Luminaire and Driver

Driver Data

Electrical Data

| | |
|---|-----------------|
| Rated wattage ¹ | |
| Per luminaire, max | 640 W |
| Number of drivers per luminaire | 4 |
| Starting (inrush) current | 106 A, 5 ms |
| Fuse rating | 20 A |
| UL, IEC ambient temperature rating, electrical components enclosure | 50°C (122°F) |
| Ingress protection, electrical components enclosure | IP54 |
| Efficiency | 94% |
| Dimming mode | optional |
| Range, energy consumption | varies by color |
| Range, light output | varies by color |

| | 200 Vac 50/60 Hz | 208 Vac 60 Hz | 220 Vac 50/60 Hz | 230 Vac 50 Hz | 240 Vac 50/60 Hz | 277 Vac 60 Hz | 347 Vac 60 Hz | 480 Vac 60 Hz |
|--|---------------------|------------------|---------------------|------------------|---------------------|------------------|------------------|------------------|
| Max operating current per luminaire ² | 3.56 A | 3.44 A | 3.24 A | 3.08 A | 2.96 A | 2.56 A | 2.04 A | 1.48 A |

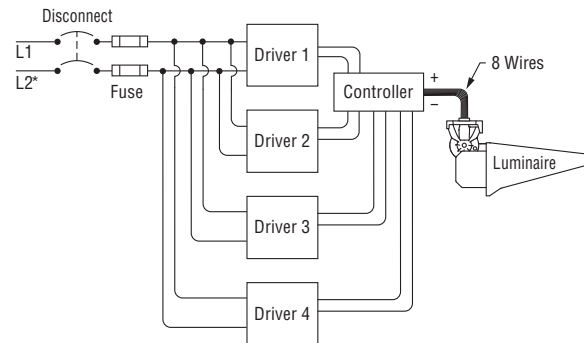
Footnotes:

- 1) Rated wattage is the power consumption, including driver efficiency losses, at stabilized operation in 25°C ambient temperature environment.
- 2) Operating current includes allowance for power factor, operating temperature, and LED light source manufacturing tolerances.

Notes

1. Use thermal magnetic HID-rated or D-curve circuit breakers.
2. See *Musco Control System Summary* for circuit information.

Typical Wiring

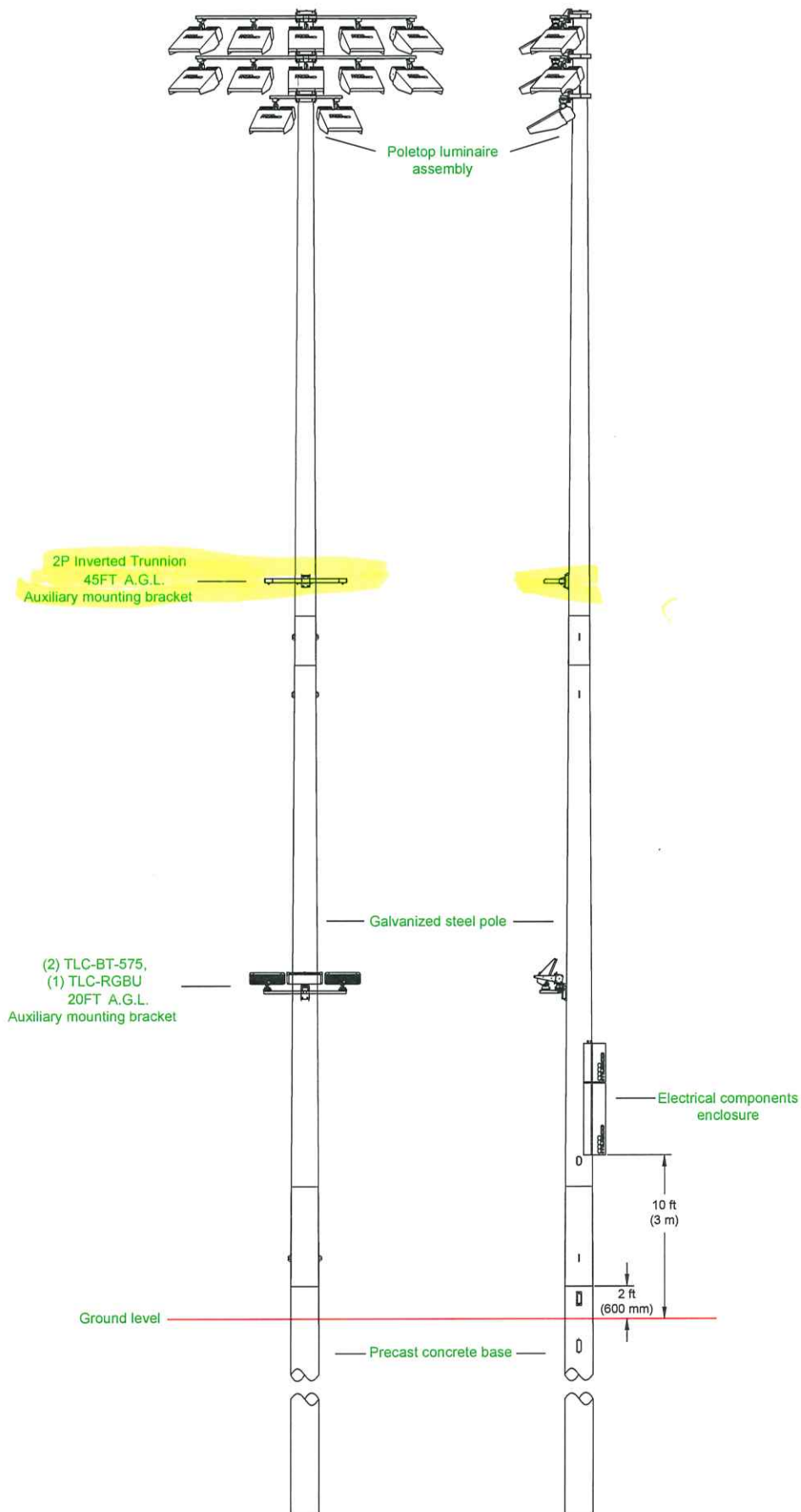


*If L2 is neutral then not switched or fused.



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POLE(S): F1
Musco 80FT Light-Structure System* •pole
TLC for LED* •luminaires
(6) TLC-LED-1500
(4) TLC-LED-1200
(2) TLC-RGBW

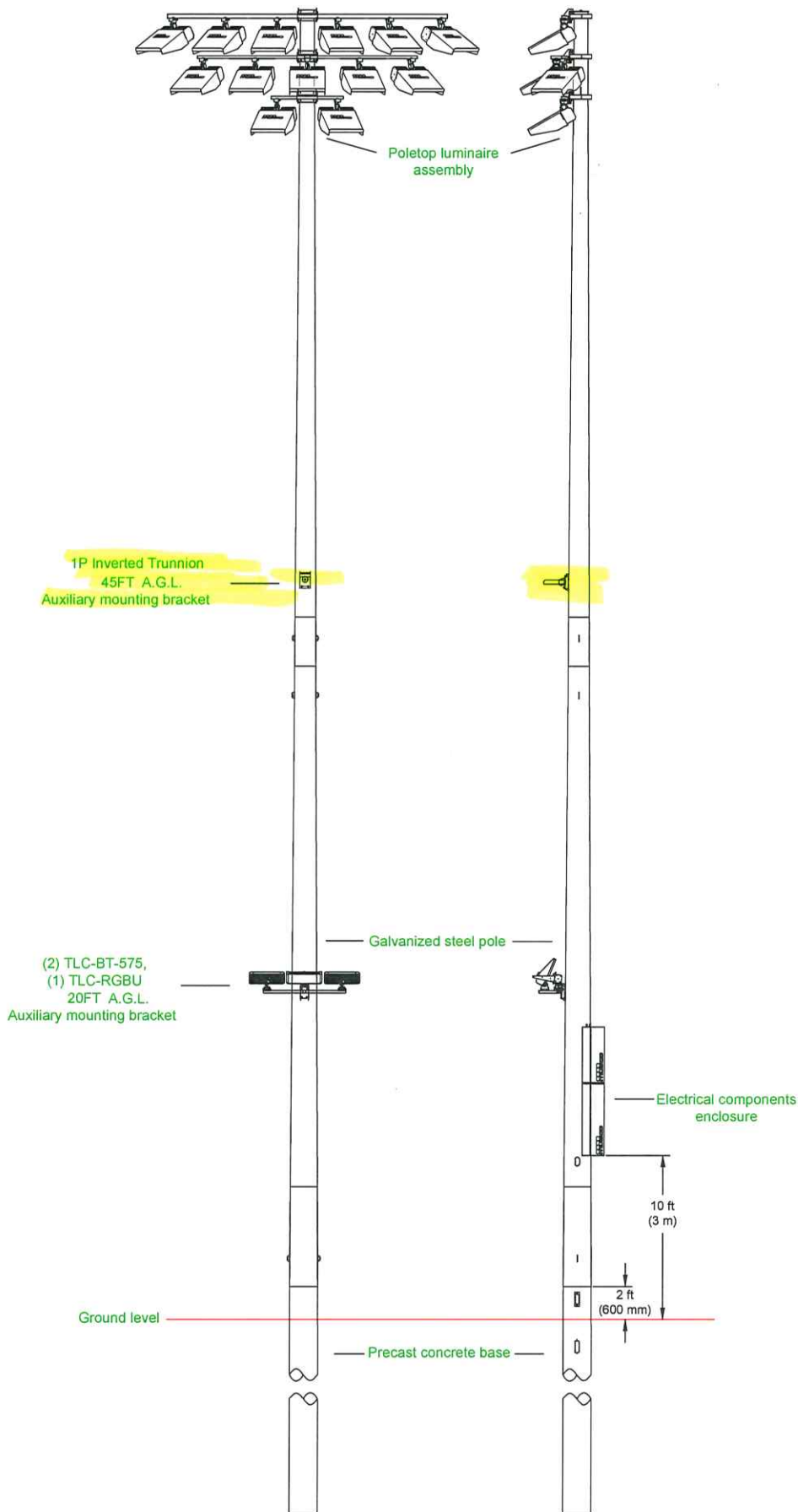
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201769
DRAWN BY:
C. Lapaczynski
SCALE:
NTS
DATE:
05/03/2023
DRAWING NUMBER:
201769P1
4 OF 4 SHEETS

| DATE: | BY: | R.L. | REVISIONS: |
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+1-641-673-0411

Loyola Academy High School Football
Wilmette, IL
Pole Configuration Drawing **B**

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POLE(S): F2
Musco 80FT Light-Structure System* *pole
TLC for LED* *luminaires
(6) TLC-LED-1500
(5) TLC-LED-1200
(2) TLC-RGBW

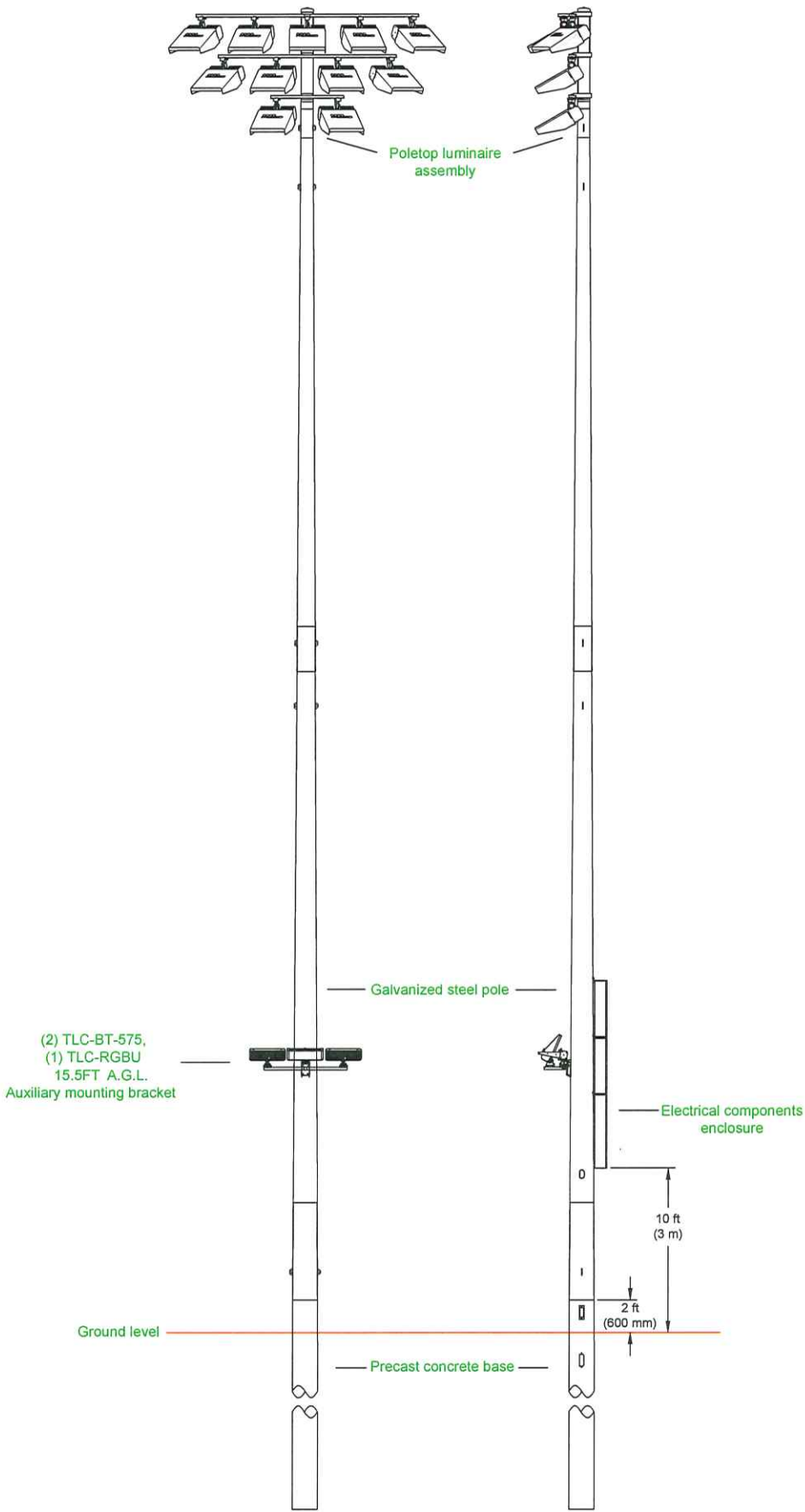
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| DRAWN BY: C. Lapaczonok |
| SCALE: NTS |
| DATE: 05/03/2023 |
| DRAWING NUMBER: 201769P1 |
| 3 of 4 SHEETS |

| DATE: | BY: | R.L. | REVISIONS: |
|-------|-----|------|------------|
| | | | |
| | | | |
| | | | |
| | | | |

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Wilmette, IL
Pole Configuration Drawing **B**

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POLE(S): F3,F4
Musco 80FT Light-Structure System• pole
TLC for LED• luminaires
(6) TLC-LED-1500
(3) TLC-LED-1200
(2) TLC-RGBW

| PROJECT NUMBER |
|----------------|
| 201769 |
| DRAWN BY |
| C.Lapaczynski |
| SCALE |
| NTS |
| DATE |
| 05/03/2023 |
| DRAWING NUMBER |
| 201769P1 |
| SHEET |
| 1 OF 4 SHEETS |

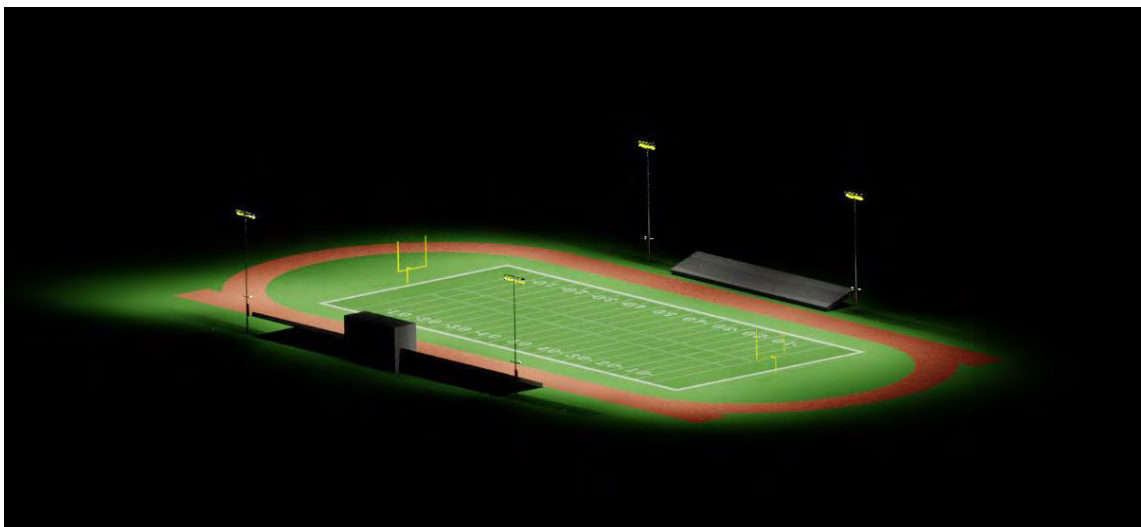
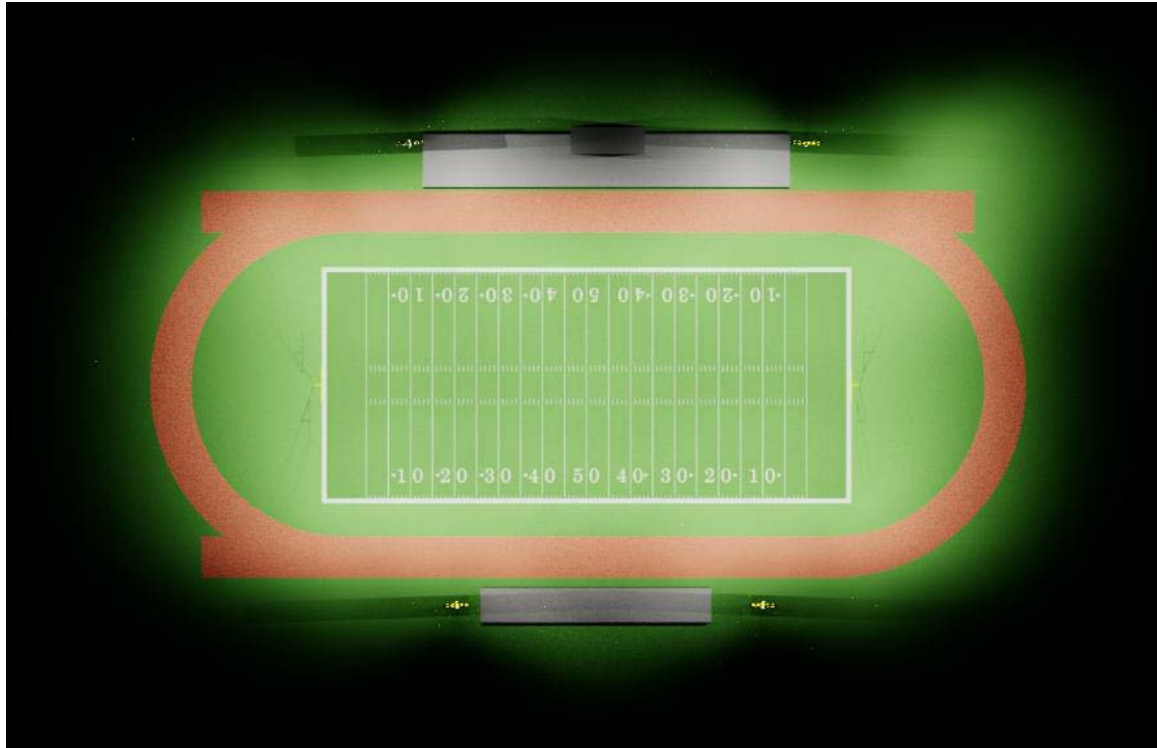
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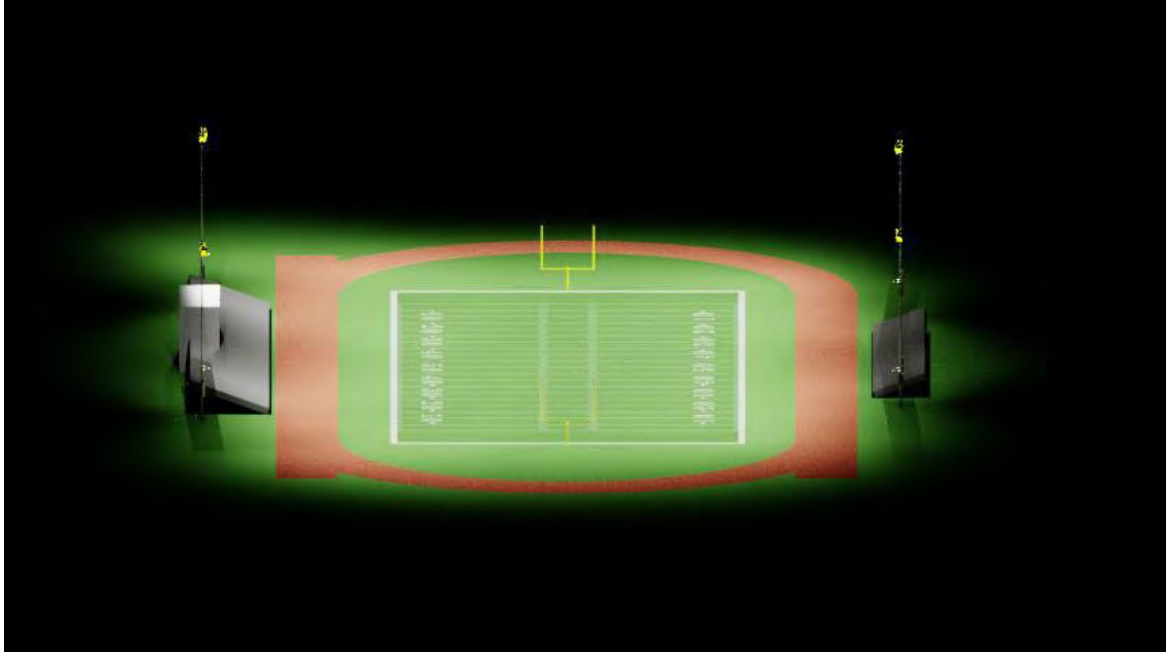
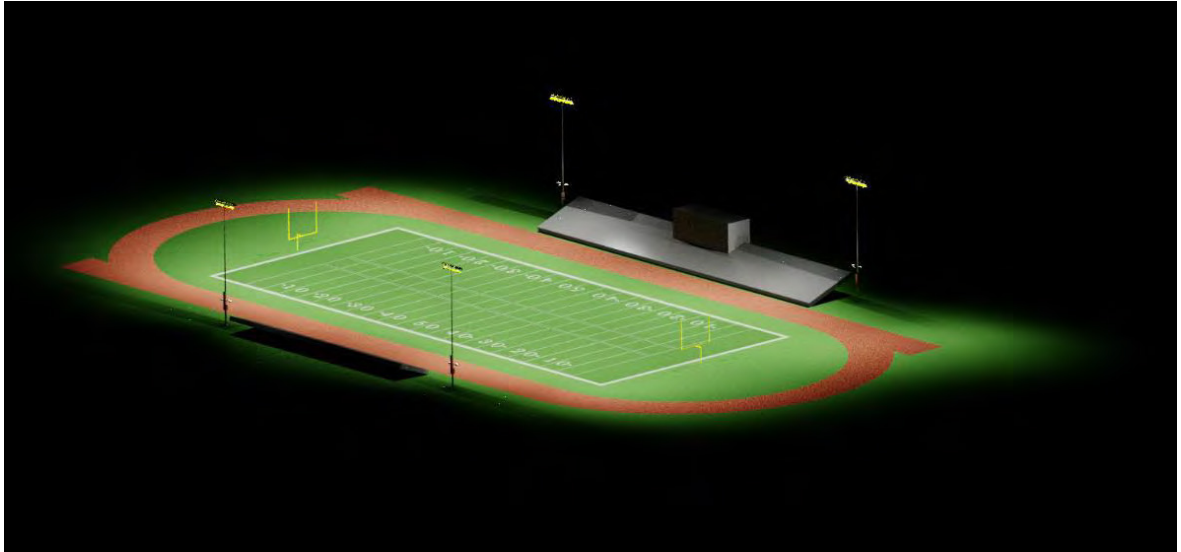
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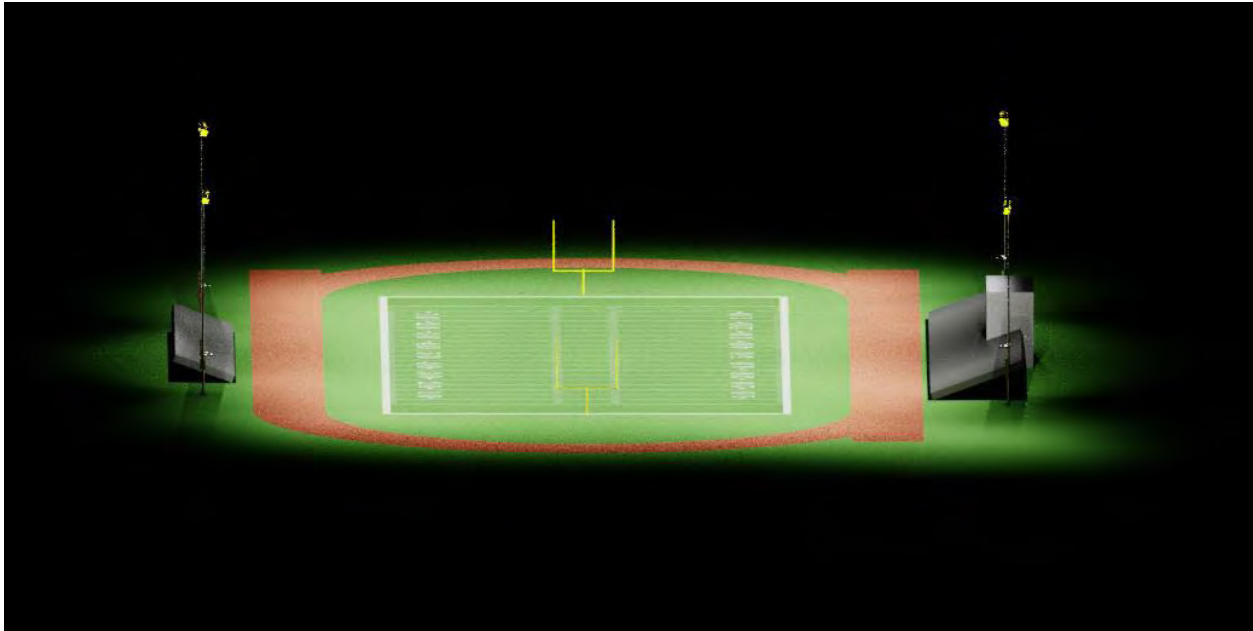
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Loyola Academy High School Football
Wilmette, IL
Pole Configuration Drawing **B**

ATHLETIC FIELD LIGHT RENDERINGS







ORDINANCE NO. 2024-O-1

**AN ORDINANCE AUTHORIZING AN EXPANSION OF AN EXISTING SPECIAL
USE, A NEW SPECIAL USE AND VARIATIONS
PURSUANT TO THE WILMETTE ZONING ORDINANCE
(1100 Laramie Avenue)**

WHEREAS, Loyola Academy (“Applicant”) has submitted a request to permit an expansion of an existing special use, for a new special use for outdoor recreational facility lighting under Section 5.3, and a request for variations from Section 8.2, Section 8.3, Section 12.3.J, Section 13.3.A.1.c., Section 13.3.B, Section 13.3.C.1.a, Section 13.3.C.1.b, Section 13.7.A.1, and Section 13.7.A.3 of the Zoning Code. Specifically, Applicant requests an expansion of an existing special use for an educational facility, secondary (“Expanded Special Use”), approval of a new special use for outdoor recreational facility lighting (“New Special Use”), and approval of a 62.0’ light pole height variation, a variation to permit luminaries that are not fully shielded, a 5.0’ side yard adjoining a street light pole setback variation, a 5.5 foot-candle illumination variation, a 37-decibel variation at the north property line of the Subject Property (as hereinafter defined), a 51-decibel variation at the east property line of the Subject Property, a 45-decibel variation at the southeast property line of the Subject Property, a 40-decibel variation at the south property line of the Subject Property, and a 45-decibel variation at the west property line of the Subject Property (“Requested Variations”) to permit the installation and operation of permanent stadium lighting on the property commonly known as 1100 Laramie Avenue, Wilmette, Cook County, Illinois, and legally described as (“Subject Property”):

LOT 1 IN LOYOLA ACADEMY CONSOLIDATION, BEING A CONSOLIDATION OF PARTS OF THE SOUTHEAST QUARTER OF SECTION 30, TOWNSHIP 42 NORTH, RANGE 13, EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED MAY 28, 2015 AS DOCUMENT NO. 1514834005, IN COOK COUNTY, ILLINOIS

WHEREAS, the Zoning Board of Appeals, after giving due and proper notice as required by law, held public hearings on September 6, 2023, and October 11, 2023, on the application for the approval of the Expanded Special Use, the New Special Use and Requested Variations; and

WHEREAS, the Zoning Board of Appeals failed to provide a positive recommendation upon the application; and

WHEREAS, on November 7, 2023, the Applicant submitted an amended application consistent with the original application, except the Applicant modified the original application by narrowing the scope of the request and agreeing to certain conditions as provided for in the correspondence attached as Exhibit A (“Amended Application”); and

WHEREAS, at the Village Board meeting held on November 14, 2023, the Applicant’s President stated that, if the relief being requested by the Amended Application was granted, the Applicant would not seek to increase the number of nights the Field (as hereinafter defined) would be illuminated during his term in office as President of Loyola Academy; and

WHEREAS, at the Village Board meeting held on November 14, 2023, the Applicant also stated as part of the Amended Application that, regardless of who is President of Loyola Academy, the Applicant would not seek to increase the number of nights the Field would be illuminated for at least five (5) years; and

WHEREAS the Applicant has indicated that events that will have 3,000 or more attendees will require the use of off-site parking; and

WHEREAS, on November 14, 2023, the Village President and Board of Trustees, in a vote of 6-1, approved the Amended Application;

NOW, THEREFORE, BE IT ORDAINED by the President and Board of Trustees of the Village of Wilmette, Cook County, Illinois:

SECTION 1: The foregoing findings and recitals are hereby made a part of this Ordinance and are incorporated by reference as if set forth verbatim herein.

SECTION 2: This Ordinance shall not amend or alter Ordinance 2017-O-63, Ordinance 2018-O-23, and Ordinance 2020-O-38, unless expressly stated otherwise in this Ordinance. The provisions of any past applicable ordinance, including but not limited to, Ordinance 2017-O-63, Ordinance 2018-O-23, and Ordinance 2020-O-38 that are not expressly modified or amended by this Ordinance, shall remain in full force and effect. This shall include, but not be limited to, the conditions imposed upon Applicant provided for in previous ordinances.

SECTION 3: The report and recommendation of the Zoning Board of Appeals of this Village regarding the original application has been received by the Village Board and is overturned by the Village Board. The Amended Application for the Expanded Special Use, the New Special Use and Requested Variations is granted. The Expanded Special Use and the New Special Use shall run with the use and not with the land, and the Expanded Special Use, the New Special Use and Requested Variations shall be further conditioned as provided for in this Ordinance.

SECTION 4: The Director of Community Development of the Village of Wilmette, Illinois, hereby is authorized and directed to issue the necessary permits to allow the installation of the proposed permanent stadium lighting in accordance with the Plans submitted, and on the condition that all other requirements of the Zoning and Building Ordinances and the special conditions provided for in this Ordinance, and Ordinance 2017-O-63, Ordinance 2018-O-23, Ordinance 2020-O-38, and any other applicable ordinances are met. Failure to install and maintain such conditions shall constitute grounds for additional or amended conditions, or for a reduction or a revocation of the New Special Use and the Requested Variations.

SECTION 5: The following definitions shall apply to this Ordinance:

“Field” shall mean the football field located on the Subject Property which, together with its stands and related appurtenances, is commonly known as “Sachs Stadium”.

“Lights” shall mean the lights the Applicant installs on poles at the Field, as shown in Exhibits D through H of this Ordinance.

“Religious Holiday” shall mean any religious holiday for which New Trier Township High School District 203 closes for classes, as indicated by a “No School” label on any of its published school year calendars.

“Sound System” shall mean the new sound system that the Applicant is to install, as described in Section 7, Paragraph (1)(c) below.

SECTION 6: The Lights shall be installed, used, and maintained on the Subject Property substantially as set forth in the following documents:

1. Amended Application attached as **Exhibit A**;
2. Site Plan labeled 1.5 attached as **Exhibit B**;
3. Alta/NSPS Land Title Survey, labeled 1.6, and dated March 10, 2023, attached as **Exhibit C**;
4. Lighting Plan Layout, labeled 1.6, attached as **Exhibit D**;
5. Photometric Plans, labeled 1.7 and dated May 18, 2023, attached as **Exhibit E** (7 pages);
6. Light Pole Specifications, labeled 1.9, and dated May 3, 2023, attached as **Exhibit F** (3 pages);
7. Lighting Fixture Cut Sheet, labeled 1.10, attached as **Exhibit G** (10 pages); and
8. Athletic Field Light Renderings, labeled 1.11 attached as **Exhibit H** (3 pages).

SECTION 7: The following special conditions shall be complied with:

1. NOISE

The use of the Field during the days and times when the Lights are illuminated shall comply with the following noise standards, which are a granted variation that is conditioned as follows:

- a. When the Lights are illuminated, the peak maximum 1-second sound level shall not exceed:
 - 96 dB(A) along the east lot line of the Subject Property
 - 90 dB(A) along the west lot line of the Subject Property
 - 82 dB(A) along the north lot line of the Subject Property
 - 90 dB(A) along the southeast lot line of the Subject Property
 - 85 dB(A) along the south lot line of the Subject Property
- b. When the Lights are illuminated, the one-hour time-averaged sound level shall not exceed:
 - 75 dB(A) along the east lot line of the Subject Property
 - 70 dB(A) along the west lot line of the Subject Property

- 62 dB(A) along the north lot line of the Subject Property
 - 70 dB(A) along the southeast lot line of the Subject Property
 - 70 dB(A) along the south lot line of the Subject Property
- c. The Applicant shall install and operate a new sound system that is able to limit the volume of sound emitted from the system ("Sound System"). The Sound System shall be programmed to limit the peak maximum 1-second sound level at the center of the home team stands at the Field to no more than 77 dB(A).
- d. After the Sound System is installed, per the determination and request by the Village Manager, the Applicant (or the Village, if it seeks to do so itself), shall conduct a sound study measuring noise levels at the lot lines of the Subject Property, which shall include the sound emitted from the Sound System, during the football game the Applicant reasonably anticipates to be the most heavily attended game during the regular 2024 football season. If the Village elects to perform the sound study itself, the Applicant shall reimburse the Village the cost of such study.

2. DAYS AND HOURS OF LIGHTS OPERATION

The Lights are to be off and remain off at all times except as otherwise authorized by this Ordinance as follows:

- a. Lights shall not be illuminated in January, February, June, July, and December of any year.
- b. Lights shall not be illuminated on any Sunday.
- c. Lights shall not be illuminated on a Friday night if that Friday is a Religious Holiday or if the following Saturday is the date of a religious holiday which would have been a Religious Holiday had it occurred during the week. Notwithstanding the foregoing sentence, when this situation occurs and if it becomes necessary to do so for game scheduling purposes, the Applicant may, upon the approval of the Village Manager, schedule the football game that otherwise would have been played on the Religious Holiday Friday night to the preceding Thursday night, the following Saturday or the following Saturday night. Notwithstanding the foregoing, the Applicant will use its best efforts to schedule games so that there is no conflict and no need to schedule a Thursday night or Saturday night football game.
- d. Lights may only be illuminated for Applicant practices or athletic contests in which an Applicant athletic team or individual is a participant. Notwithstanding the foregoing, the Lights may be illuminated to host non-football athletic contests that are part of a tournament, even if an Applicant athletic team or individual is not participating in the specific athletic contest, provided an Applicant athletic team or individual had been scheduled to participate in that tournament.
- e. Lights may only be illuminated for up to 53 days in 2024 and 2025 and up to 54 days each year thereafter.

- f. Lights shall not be illuminated prior to 8:00 a.m. or after the shut off periods listed below until 8:00 a.m. the following day.
- g. Lights may be turned on either manually or by an automatic timer no sooner than:
 - i. two and one-half hours before a Friday night football game;
 - ii. one hour before a non-football contest; and
 - iii. at the start of an Applicant practice.
- h. Lights may only be illuminated for the following purposes and times:
 - i. 30 athletic practice nights (7:00 p.m. shut off);
 - ii. 20 non-football athletic contest nights (9:00 p.m. shut off);
 - 1. Notwithstanding the above, Lights may remain dimmed or partially illuminated at 35 footcandles (60% horizontal illuminance as provided for on **Exhibit E**) for the purposes of wayfinding for attendees at the conclusion of a game for no more than 30 minutes after the conclusion of the game.
 - iii. 3 football games in 2024 and 2025 and 4 football games thereafter--Friday nights only¹ with a 10:00 p.m. shut off.
 - 1. Notwithstanding the above, the fully-illuminated Lights may remain on until 10:30 p.m. in the event a football game proceeds into overtime or there was a stoppage of play during the regular time due to inclement weather.
 - 2. Lights may remain dimmed or partially illuminated at 35 footcandles (60% horizontal illuminance as provided for on **Exhibit E**) for the purposes of wayfinding for attendees at the conclusion of a game for no more than 30 minutes after the conclusion of the game.
- i. Lights shall be dimmed or shut off at the conclusion of the authorized events taking place as follows:
 - i. Athletic practice nights -- Lights shall be set to automatically shut off at 7:00 p.m. At the conclusion of the Applicant's practices, Lights shall be manually shut off when such practice concludes prior to the automatic shutoff time.
 - ii. Non-football athletic contests nights – Lights shall be set to automatically dim at 9:00 p.m. to the partial illuminance level identified above, and to shut off completely at 9:30 p.m. At the conclusion of the non-football athletic contest, Lights shall be manually dimmed for not more than 30 minutes and then manually shut off after the dimming period when such non-football athletic contest concludes prior to the automatic dimming time.
 - iii. Football games -- Lights shall be set to automatically dim at 10:00 p.m. to the partial illuminance level identified above, and to shut off completely at 10:30 p.m. At the conclusion of the football game, Lights shall be manually dimmed for not more than 30 minutes and then manually shut off after the dimming period when such football game concludes prior to the automatic dimming time.

Notwithstanding the above, the time frames above for football games may be extended for no more than 30 minutes in the event a football game proceeds into

¹ A football game may be played on a Thursday night or Saturday night pursuant to Section 7, 2(c) of this Ordinance.

overtime or there was a stoppage of play during the regular time due to inclement weather.

- j. Lights may only be illuminated between 8:00 a.m. and 6:00 p.m. on any day for the purposes of:
 - i. Athletic contests or practices as provided for in Section 7 (g) above;
 - ii. maintenance of the Lights (any time of the year);
 - iii. maintenance or snow removal on the Field (any time of the year);
 - iv. completion of a game that began on that day or on the previous calendar day that was unable to conclude due to time or weather.
- k. The Applicant shall keep and maintain a record of the dates and times that illuminated Lights were shut off for each school year. Those records shall be provided to the Village upon request of the Village Manager.

3. OPERATIONAL REQUIREMENTS

- a. The Applicant shall coordinate with the Chief of Police for crowd control, traffic management and parking enforcement as provided for below.
 - i. The Applicant shall coordinate with the Chief of Police to establish the number of sworn Wilmette Police Officers or other Village Staff that need to be specially assigned to be present before, during and after any football game being played on the Field to ensure crowd control, manage traffic and enforce parking restrictions. The determination of such number of Wilmette Police Officers or other Village Staff shall be in the sole discretion of the Chief of Police.
 - ii. The Applicant shall inform the Chief of Police of any non-football games that may generate a crowd of more than 3,000 attendees or at any time off-site parking is needed to accommodate attendee parking for such an event at least 2 weeks prior to the game taking place. The Applicant shall coordinate with the Chief of Police to establish the number of Wilmette Police Officers or other Village Staff that need to be specially assigned to be present before, during and after any such non-football game being played on the Field to ensure crowd control, manage traffic and enforce parking restrictions. The determination of such number of Wilmette Police Officers or other Village Staff shall be in the sole discretion of the Chief of Police.
 - iii. All sworn police officers determined to be needed and specially assigned for any event listed above shall be Village of Wilmette police officers, unless the Village cannot provide the needed number of specially assigned sworn officers, in which event the Applicant may utilize any off-duty sworn police officer legally authorized to act as a police officer in any jurisdiction within the State of Illinois. All costs, including base salary and overtime, for Village of Wilmette sworn police officers or Village staff that are specially assigned to any games (or events), whether played on the illuminated Field or not, shall be paid to the Village by the Applicant.

- b. The Applicant shall have one of its staff members present at all games played on the illuminated Field. That staff member shall be available to respond to concerns or questions – in real time – when the Lights are illuminated as well as during regular business hours of the Applicant. The Applicant shall publish, at the beginning of each school year, the contact information of the staff member designated to respond to the concerns or questions on its website and shall email the same to its distribution lists, including any lists used for neighborhood correspondence. The Applicant shall further publish on its website and send via email any changes to the information of the designated staff member.
- c. The illuminated Field shall not be used exclusively by any third-party for any purpose. The illuminated Field may only be used for Applicant practices or athletic contests in which an Applicant athletic team or individual is a participant. Notwithstanding the foregoing, the illuminated Field may be used by the Applicant to host non-football athletic contests that are part of a tournament, even if an Applicant athletic team or individual is not participating in the specific athletic contest, provided an Applicant athletic team or individual had been scheduled to participate in that tournament.
- d. The Applicant shall not allow attendees of any of the games played on the illuminated Field to use air horns, whistles (this shall not apply to referees or game officials), sirens, or any other noise-making device. The Applicant shall advise attendees, including notifying the athletic directors of visiting teams, that air horns, whistles, sirens, and other noise-making devices are prohibited from being used at Field. The Applicant shall either confiscate such devices and in the discretion of the Applicant or remove any attendee from such games who uses an air horn, whistle, siren or other noise-making device.
- e. The Applicant shall not sell alcoholic beverages or allow alcoholic beverages to be consumed at the illuminated Field or on the Applicant's on-site parking lots when the illuminated Field is being used. This provision shall not apply when the Applicant has applied for and obtained any permit or license from the Village authorizing the sale of alcoholic beverages on the illuminated Field or on the Applicant's on-site parking lots.

4. TRAFFIC AND PARKING MANAGEMENT

- a. The Applicant shall implement the Special Event Strategies outlined in the Traffic Management Plan ("TMP") attached as **Exhibit I** and submit to the Chief of Police, at least two weeks prior to the start of every school year, either an updated TMP or a written statement from the Applicant's professional traffic engineer to the effect that no updates or revisions to the Special Event Strategies section of the TMP are needed². The Village, through its Chief of Police or Director of Engineering and Public Works, may require modifications to the TMP, in the discretion of the Village, should some or all of the Special Event Strategies of the TMP be determined by the Director of Engineering and Public Works to not have been effective in mitigating adverse traffic or parking impacts on the surrounding neighborhood from the conduct of Friday night football games on the illuminated Field pursuant to this Ordinance.

² The required submission for this provision shall apply beginning the 2025-2026 school year and every year after.

- b. Each TMP shall include, at a minimum, a requirement that the Applicant, after every Friday night football game concludes or after any non-football athletic contest that requires off-site parking be used or when such non-football athletic contest will have an estimated 3,000 attendees, direct its staff to coordinate with the Wilmette Police Officers and Village Staff who have been specially assigned to work, or any off-duty police officers hired by the Applicant to work the game to direct exiting traffic to Laramie Avenue and Winnetka Road and away from the neighborhood streets of Thornwood Avenue, Greenwood Avenue, Elmwood Avenue, Walnut Avenue, Manor Drive, and Forest Avenue. The TMP shall also provide for the stationing of the Applicant's staff members or of Wilmette Police Officers and Village Staff who have been specially assigned to work, or any off-duty police officers hired by the Applicant to work, as well as the equipment (barricades, sawhorses, or cones) marked with "Resident Only Parking" signage, at each of the foregoing streets to help preclude non-resident parking on those streets when football games have been scheduled. The TMP shall also identify all potential off-site parking locations to be utilized for any Friday night football games or any non-football athletic contest with 3,000 or more expected attendees. The Applicant shall provide the Village the details of the Applicant's plan to have staff members set up, take down and store the aforesaid equipment.
- c. The week preceding what is expected to be a game with 3,000 or more attendees or any event that will require off-site parking, the Applicant shall post on its website and send via email to its and the visiting team's attendees and fans, information about on-site and off-site parking opportunities, shuttle bus availability, and statements which encourage the use of carpooling and rideshare services. The Applicant shall not use the parking lot at Eden's Plaza, or advertise its use, as an off-site option for Friday night football game parking unless the Village Manager, in the Village Manager's sole discretion, approves such use.
- d. The Applicant shall avoid scheduling other non-football related school events on a Friday night in which a football game is to be played so that parking availability for game attendees is maximized.
- e. The Applicant shall not host a football game on the Field on a Friday night if it expects 3,000 or more fans to attend that game if, on that same Friday night, a football game has been scheduled to be played at New Trier Township High School's west campus. The Village Manager may waive this restriction if either: (i) the Applicant is able to demonstrate that the New Trier Township High School game is not likely to be heavily attended; or (ii) a professional traffic engineer or the Village Engineer conclude that on-site and off-site parking will remain adequate to address the parking needs of the attendees of both games.

SECTION 8: The fine schedule and revocation or suspension procedures for the New

Special Use shall be as follows:

1. FINES

In the event there is a violation of any of the provisions of this Ordinance by the Applicant or a violation in relation to the New Special Use and the conditions imposed by this Ordinance, the fines shall range as follows:

- i. First offense within a 12-month period, shall be punished by a fine not less than \$500.00 and not exceeding \$2,500.00 for each such offense.
- ii. Second offense within a 12-month period, shall be punished by a fine not less than \$2,500.00 and not exceeding \$7,500.00 for each such offense.
- iii. Third offense within a 12-month period, shall be punished by a fine not less than \$7,500.00 and not exceeding \$10,000.00 for each such offense.
- iv. Any offense when the Lights remain illuminated past 11:00 p.m. shall be punishable by a fine not less than \$7,500.00 and not to exceed \$10,000.00.

Each day that any violation of any provision of this Ordinance shall continue, shall constitute a separate offense punishable by the fine amounts provided above.

The Village Manager, in the Village Manager's discretion in consultation with the Corporation Counsel, may determine that a violation of a provision of this Ordinance may not rise to the level of the fines imposed and may instead seek a fine as provided for in the General Penalty section of the Village Code.

2. AMENDMENT, SUSPENSION, REDUCTION, OR REVOCATION OF THE NEW SPECIAL USE

The Village Manager, in the exercise of the Village Manager's discretion, may suspend the New Special Use based upon good cause shown of any violations of this Ordinance. Upon the suspension of the New Special Use, the Village Manager shall cause an application to be filed for a public hearing before the Zoning Board of Appeals to determine if an amendment, reduction, further suspension, or revocation of the New Special Use should be recommended to the Village Board. At the conclusion of the public hearing, the Village Manager, within a reasonable period after the conclusion of the public hearing, shall either: (a) rescind the suspension; or (b) place the Zoning Board of Appeals recommendation on an agenda of the Village Board for its consideration. The New Special Use shall remain suspended until the suspension is rescinded by the Village Manager or the Village Board has either adopted an ordinance reducing, further suspending, revoking, or otherwise amending the New Special Use or determined that no amendment is warranted. A Village Board decision to amend, reduce, suspend, or revoke the New Special Use to ensure the health, safety and welfare of the Village shall be final. The Village Manager may suspend or cause an application to be filed for a public hearing for any other offenses not subject to a suspension or application for a public hearing.

The Village Manager may also cause, without prior suspension, to have a public hearing held before the Zoning Board of Appeals to determine if an amendment, reduction, suspension, or

revocation of the New Special Use is necessary to ensure the health, safety and welfare of the Village.

The Village Manager shall notify the Applicant within two (2) business days of a suspension of the New Special Use or of the filing an application for a public hearing, or both, as the case may be. A public hearing shall be set within sixty (60) days of the date of the notice provided to the Applicant.

Nothing in this provision shall restrict, limit or prohibit the Applicant from being allowed to apply for any amendments to the New Special Use or from seeking any other relief under the Zoning Code for the Subject Property.

SECTION 9: This Ordinance shall be in full force and effect from and after its passage and approval as required by law.

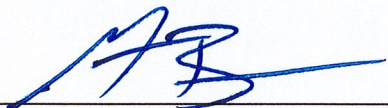
PASSED by the President and Board of Trustees of the Village of Wilmette, Illinois, on the 9th day of **January, 2024**, according to the following roll call vote:

AYES: Trustees Dodd, Sheperd, Smith, Gjaja and President Plunkett.

NAYS: Trustee Kennedy.

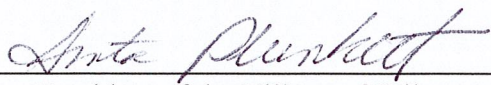
ABSTAIN: None.

ABSENT: Trustee Leonard.

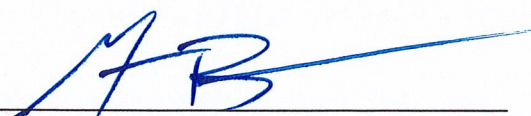


Clerk of the Village of Wilmette, IL

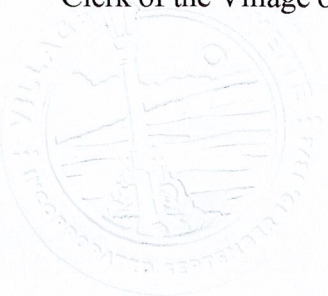
APPROVED by the President of the Village of Wilmette, Illinois, this 9th day of **January, 2024.**



President of the Village of Wilmette, IL

ATTEST:


Clerk of the Village of Wilmette, IL



**Report to the Appearance Review Commission
from the
Department of Community Development**

Case Number: 2024-AR-04

Property: 1837 Wilmette Avenue

Zoning District: NR, Neighborhood Retail Business

Petitioner: Wilmette Gas Inc.

Request: The petitioner requests an Appearance Review Certificate for exterior lighting and roof modifications and variations from the sign ordinance to display a non-conforming ground sign, four non-conforming pump island signs, non-conforming column signage with interchangeable advertising and non-conforming pump topper signage with interchangeable advertising.

Applicable Provisions of Ordinances: 5.5 Sign Variations
Table 16.1 Sign Types Permitted by District
16.9(l) Signs Not Requiring a Permit - Informational Matter
16.10(d) Ground Signs
16.10(j) Wall Signs

Meeting Date: March 7, 2024

Date of Application: February 5, 2024

Notices: Legal Notice published in Wilmette Life February 15, 2024
Certificate of Posting dated February 20, 2024
Personal Notice Affidavit dated February 12, 2024

Report Prepared By: Kate McManus
Planner III - AICP

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Description of Property

The Subject Property is located on the southeast corner of Ridge Road and Wilmette Avenue. The property has approximately 103' of frontage on Ridge Road and approximately 104' of frontage on Wilmette Avenue. The property is approximately 11,517 square feet in area. The property is improved with a one-story gas station and two gas pump canopies.

To the east are townhomes and single-family homes and to the west, south and north are commercial and multi-family residential. A gas station is located just west of the property.

Proposal

Appearance Review Certificate

Lighting

The petitioner is proposing to install four flat copy lights per canopy for a total of eight canopy lights. Two shoebox lights are proposed on the east elevation of the building. The fixture temperature ranges from 4000k-5700k. Please note that all light fixtures have been installed without approvals or permits and are visible on site to review. The proposed lighting exceeds .5-foot candles at the lot line and exceeds 10-foot candles under the pump canopies and therefore requires variations from the Zoning Board of Appeals. The variation request will be heard on March 20th.

Roof Modifications

The applicant is proposing to modify the existing roof structure. The existing mansard asphalt roof will be modified with ACM panels. The applicant has not provided information on the installation of the modified roof. The proposed ACM panels have blue and white applied vinyl.

Site Improvements

General site improvements are proposed including the installation of amenity bins at each pump location and painting of existing pump islands and bollards where needed.

Signage

The petitioner requests variations from the sign ordinance to display a non-conforming ground sign, four non-conforming pump island signs, non-conforming column signage with interchangeable advertising and non-conforming pump topper signage.

Ground Sign

The existing ground sign is proposed to be converted to a digital sign to display gas prices. The existing sign is non-conforming in height and size, so a variation is required. Ground signs are limited to 10 feet in height in this zoning district and 30 square feet in area; the proposed sign is 15 feet in height and 32.8 square feet. The existing ground sign is located in the right-of-way and the Village's Engineering Department has approved retaining the sign in its current location.

Wall sign

A conforming wall sign is proposed on the modified roof structure at the northwest corner of the building. The sign is approximately 6 square feet and occupies 15% of the signable area. The proposed wall sign is vinyl applied directly to the ACM roof panels.

Pump Island Signs

The Village's sign regulations allow an automobile service station to display one (1) sign, no larger than nine (9) square feet, above each pump island stating whether the area is a "self service" or "full service" area and the current price per gallon of gasoline sold at the station.

The petitioner proposes signage on each pump island consisting of the Mobile logo above the pump and Fuel Technology Synergy and the Mobile logo at the base of each pump, necessitating a variation from the sign ordinance. The digital display screen and fuel types are exempt from the sign ordinance as they are considered information matter.

Column Signage

Under each canopy, an aluminum wave and column with signage are proposed. Signage is proposed on each feature including the Mobile logo and interchangeable poster areas on the wave, a double-sided "Synergy" blade sign with the Mobile logo capping each column and wave, and a message board on each column. The poster areas and message boards will be interchangeable advertisements. All signage on the columns and waves necessitates a sign variation.

There are double sided number wedges on each column identifying the pump. The number wedges are considered informational matter and are exempt from the sign ordinance.

Pump Topper Signage

Signage is proposed above each pump. The sign is approximately 10 x 20 inches and will have interchangeable messaging. The proposed pump topper signage and advertisement requires a variation from the sign ordinance.

Action Required

The Appearance Review Commission can grant an Appearance Review Certificate provided the proposal meets the following standards of review:

Appearance Review Certificate Standards of Review

1. All sides of a structure receive design consideration.
2. If the side or rear of the structure faces a street, a residential use, or a property located in a residential zoning district, the exterior materials used on the side or rear are comparable in character and quality to the exterior materials used on the facade of the structure.
3. Materials used in the construction and design of the structure are of durable quality.
4. Mechanical equipment is located or screened so as not to be visible from surrounding streets and properties.
5. The scale and placement of the structure on the site is appropriate to the proportion of the site covered by the structure and the location of the structure in relation to its lot lines.

6. Building design and placement must take into consideration natural grade conditions, existing vegetation, and other natural features.
7. Excessive similarity or dissimilarity in design in relation to surrounding or adjoining structures is discouraged, including but not limited to building height, exterior materials, building mass, roof line, and architectural features.
8. Design takes into consideration the relationship to the street and the pedestrian environment.
9. Parking, storage, and refuse areas are located and screened so as not to negatively affect neighboring properties.
10. Landscape is designed to maintain existing mature trees and shrubs to the maximum extent possible.
11. Landscape provides an aesthetically pleasing design and, where applicable, provides for the screening of parking, storage, refuse, and utility areas from the street and adjacent residential properties.
12. Selected plant materials shall be suitable to Wilmette's climate and to their location on the site. The use of invasive species is prohibited. Invasive species shall be those included in the "Chicago Botanic Garden" list of "Invasive Plants in the Chicago Region."
13. Parking areas are designed to achieve efficient traffic flow and minimize dangerous traffic movements.
14. Signs are of the appropriate design, color and placement to the structure, site and adjoining properties, in terms of materials, height, setback from the street, and proportion.
15. Accessory structures, exterior lighting and fences, complement the overall structure and site design, in terms of materials, size, and architectural character.
16. For new two-unit dwellings, review is limited to whether or not the proposed structure maintains the external appearance of a single-family dwelling.

Action Required

The Appearance Review Commission can recommend granting the sign variation provided the proposal meets the following standards of review:

Sign Variation Standards of Review

Unusual Circumstances:

A variation will serve to relieve the petitioner from an unusual difficulty due to the location, topography, or circumstances on the petitioner's property or a peculiar attribute existing on the neighboring property, which directly affects the petitioner's property.

Character and Appearance:

A variation will be consistent in design and scale with other signs nearby and will not alter the essential character of the commercial streetscape in the vicinity of the subject property.

Not Self-Created:

The plight of the property owner was not created by the owner and denial of the variation will impose undue hardship or difficulty on the owner's ability to conduct business on the subject property.

Health, Safety and Welfare:

A variation will not create a traffic or safety hazard and will not impair the utility of neighboring properties' signage.

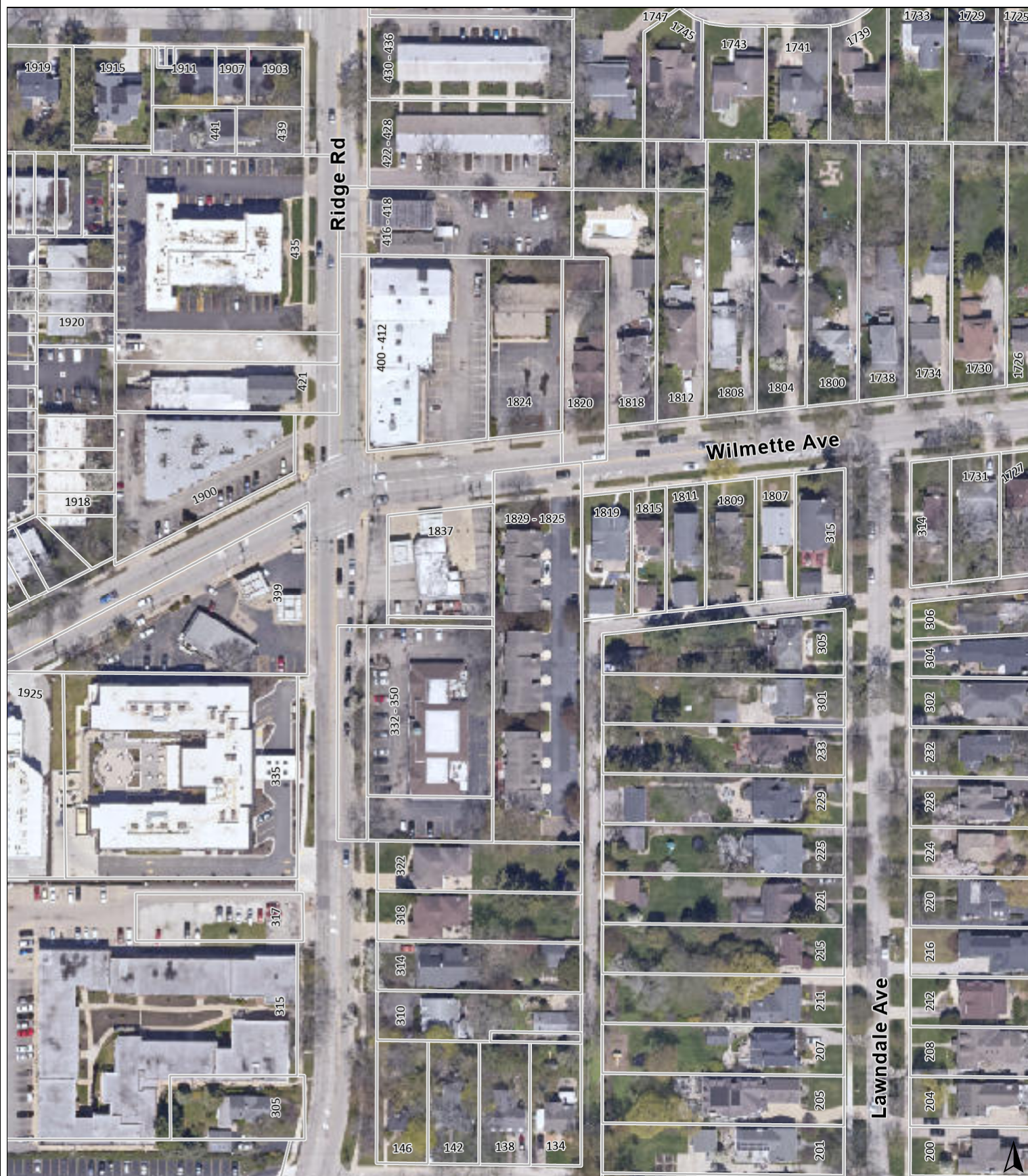
Purpose of Ordinance:

A variation is in harmony with the purpose and intent of the Sign Ordinance.

Case File Documents

Location Maps and Plans

- 2.1 Aerial Map
- 2.2 Plat of Survey
- 2.3 Submittal Packet Dated February 16, 2024
- 2.4 Canopy Light Specification
- 2.5 LED Shoebox Light Specification
- 2.6 Photometric Plan
- 2.7 Images of Installed Light Fixtures
- 2.8 Reynobond ACM Data Sheet
- 2.9 ACM Safety Sheet



0 150 300
ft

Print Date: 2/29/2024

Notes

Disclaimer: The GIS Consortium and MGP Inc. are not liable for any use, misuse, modification or disclosure of any map provided under applicable law. This map is for general information purposes only. Although the information is believed to be generally accurate, errors may exist and the user should independently confirm for accuracy. The map does not constitute a regulatory determination and is not a base for engineering design. A Registered Land Surveyor should be consulted to determine precise location boundaries on the ground.

PROFESSIONAL DESIGN FIRM LICENSE NO: 184-005262 EXPIRES 04/30/2023

OF

PARKING SPACES= 6

LICENSE EXPIRES
11/30/2024



SITE IMAGE MATERIALS MAINTENANCE

PBL #: 330047

BRAND: MOBIL

PROJECT LOCATION:

**1837 WILMETTE AVE
WILMETTE, IL 60091**

DATE: 02_16_2024

REVISION #: R5

PROJECT OVERVIEW

- A** Main ID Visuals
- B** Site Configurations
- C** Aperture Specifications
- D** Dispenser Visuals/Amenity Bins
- E** Paint Specifications/Change Log

ExxonMobil



**BIG RED
ROOSTER FLOW**

Marmon Retail Solutions - Berkshire Hathaway

approval signature

*I have reviewed the visuals within this document and I
approve the designs and scope of work listed within.*

A MAIN ID VISUALS



Site Map: **A** Main ID **B** Forecourt



OAH 15'



Detailed Information

Standard Windload

OAH: 15'

Retainer Quantity: 2

Retainer Size: 97.375"H X 48.5"W

Retainer Type: Hinged

Existing Cab: 97.75"H X 48.875"W

Area: 32.8 SQ FT

Retainer Color: Egg Shell-Satin White

Detail 1: Logo

VO: 31"H X 44.5"W

Mobil Synergy Combo Flat Emboss Face

Color Specifications:

Vinyl

Blue, 3630-8248

Red, 3630-2590

Detail 2: Priceline

VO: 60.375"H X 44.5"W

Digit Type: Lumidigit 4 (Flat Faces)

Priceline 1: Red 8", Right

Priceline 2: Red 8", Right

Priceline 3: Red 8", Right

Priceline 4: Green 8", Right

1 - 20 Amp Circuit(s) Required

LEDs Total Draw: 2 Amps

Est. Crated Weight: 389 pounds

Crate HxLxW: 106x61x23"

Freight Class: 175

Project Name

ExxonMobil

PBL #

330047

Customer

ExxonMobil

Created by

B.Dighero

ExxonMobil Brand Book

Site Image Materials Maintenance

Revision #

R5

Date

02_16_2024

Scale

NA

Page #

2 OF 21

Big Red Rooster Flow

2 Northfield Plaza, Ste 250
Northfield, IL 60093

P: (847) 441-1818 F: (847) 592-9564

B RETAIL CANOPY



Existing



Proposed

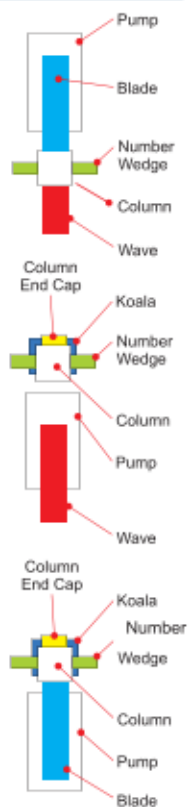


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| Project Name | PBL # | Customer | Created by | ExxonMobil Brand Book Site Image Materials Maintenance Big Red Rooster Flow 2 Northfield Plaza, Ste 250 Northfield, IL 60093 P: (847) 441-1818 F: (847) 592-9564 |
| ExxonMobil | 330047 | ExxonMobil | B.Dighero | |
| Revision # | Date | Scale | Page # | |
| R5 | 02_16_2024 | NA | 3 OF 21 | |

B SITE CONFIGURATIONS

Site Key

- Wave
- Blade
- Koala
- Number Wedge
- Column End Cap

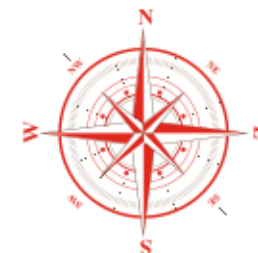
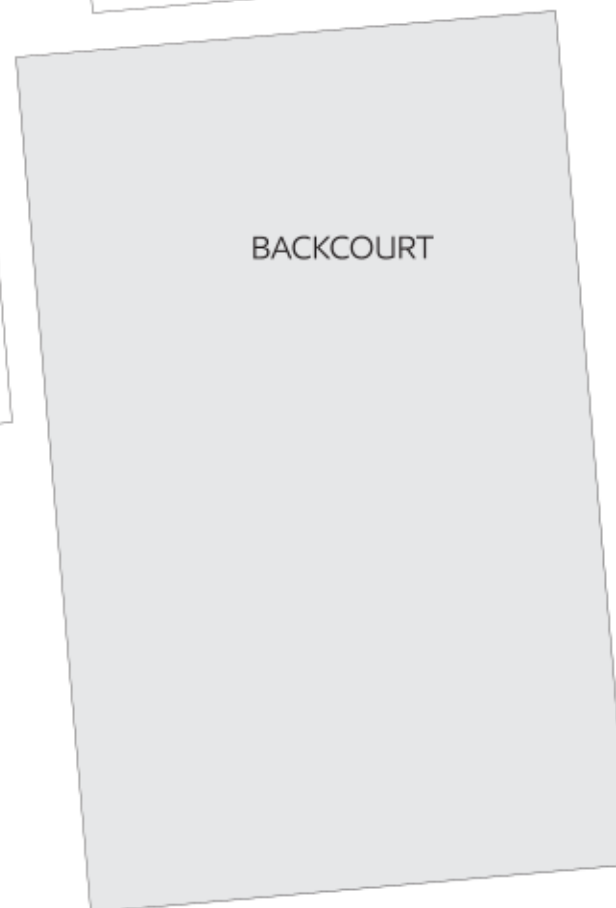
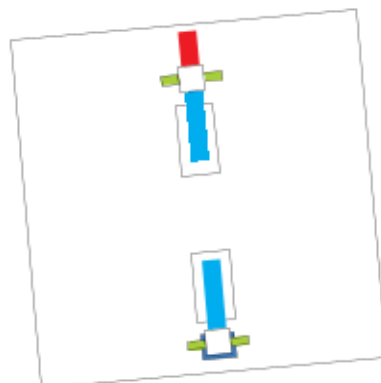
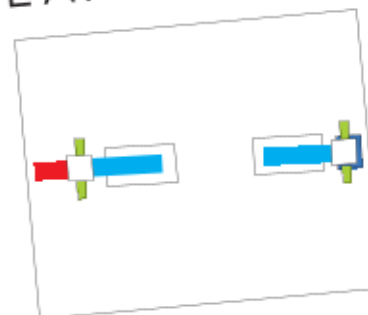


RIDGE RD

Traffic Flow



WILMETTE AVE



Project Name

ExxonMobil

PBL #

330047

Customer

ExxonMobil

Created by

B.Dighero

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Site Image Materials Maintenance

Revision #

R5

Date

02_16_2024

Scale

NA

Page #

4 OF 21

Big Red Rooster Flow

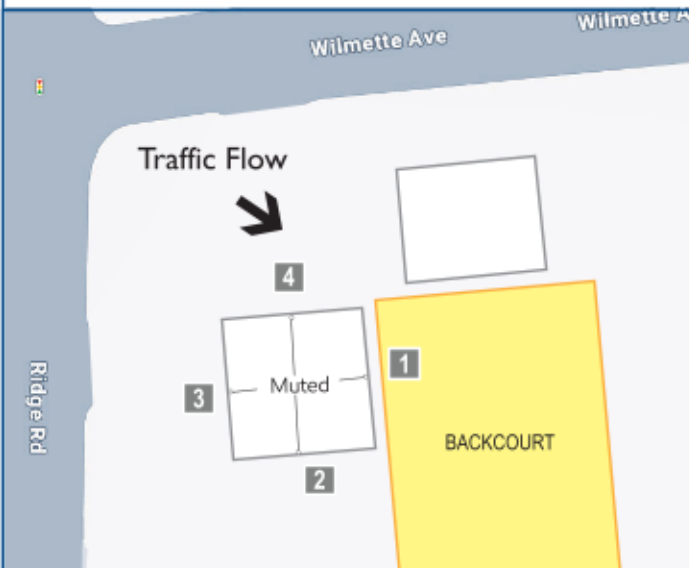
2 Northfield Plaza, Ste 250

Northfield, IL 60093

P: (847) 441-1818 F: (847) 592-9564

B1 SITE CONFIGURATIONS

Canopy fascia artwork for visualization purposes only



Overhead Map



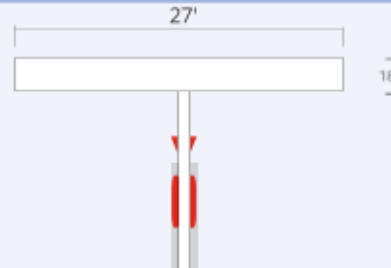
Canopy Perspective

1 | BACK ELEVATION

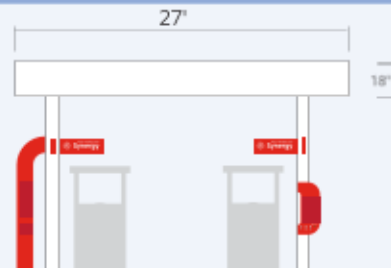


→ Traffic Flow

2 | RIGHT ELEVATION

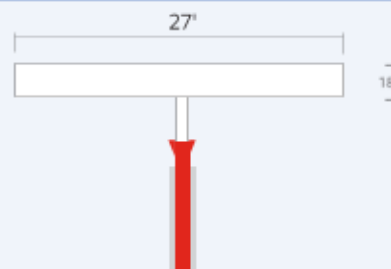


3 | FRONT ELEVATION



← Traffic Flow

4 | LEFT ELEVATION



Project Name

ExxonMobil

Revision #

R5

PBL #

330047

Date

02_16_2024

Customer

ExxonMobil

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Page #

5 OF 21

ExxonMobil Brand Book

Site Image Materials Maintenance

Big Red Rooster Flow

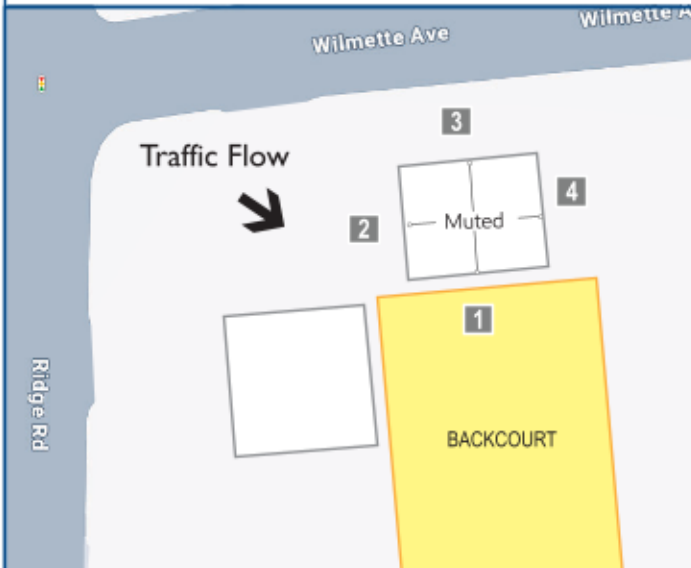
2 Northfield Plaza, Ste 250

Northfield, IL 60093

P: (847) 441-1818 F: (847) 592-9564

B2 SITE CONFIGURATIONS

Canopy fascia artwork for visualization purposes only

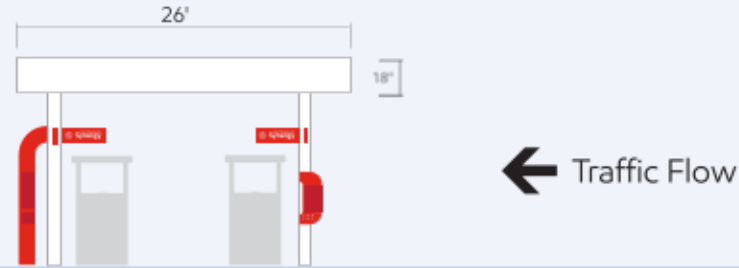


Overhead Map

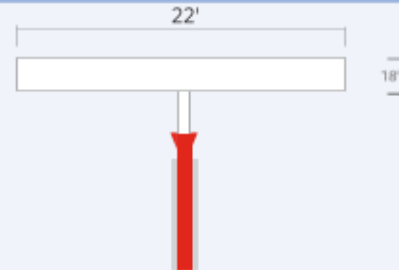


Canopy Perspective

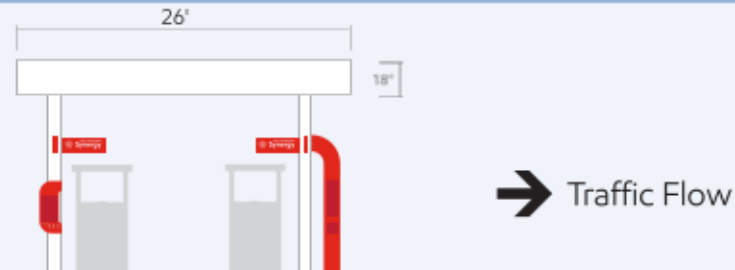
1 | BACK ELEVATION



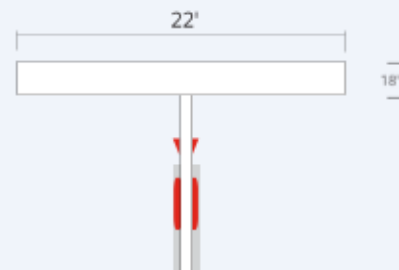
2 | RIGHT ELEVATION



3 | FRONT ELEVATION



4 | LEFT ELEVATION



Project Name

ExxonMobil

Revision #

R5

PBL #

330047

Date

02_16_2024

Customer

ExxonMobil

Scale

NA

Created by

B.Dighero

Page #

6 OF 21

ExxonMobil Brand Book

Site Image Materials Maintenance

Big Red Rooster Flow

2 Northfield Plaza, Ste 250

Northfield, IL 60093

P: (847) 441-1818 F: (847) 592-9564

**Building fascia: white acm with blue vinyl applied



Existing



Proposed

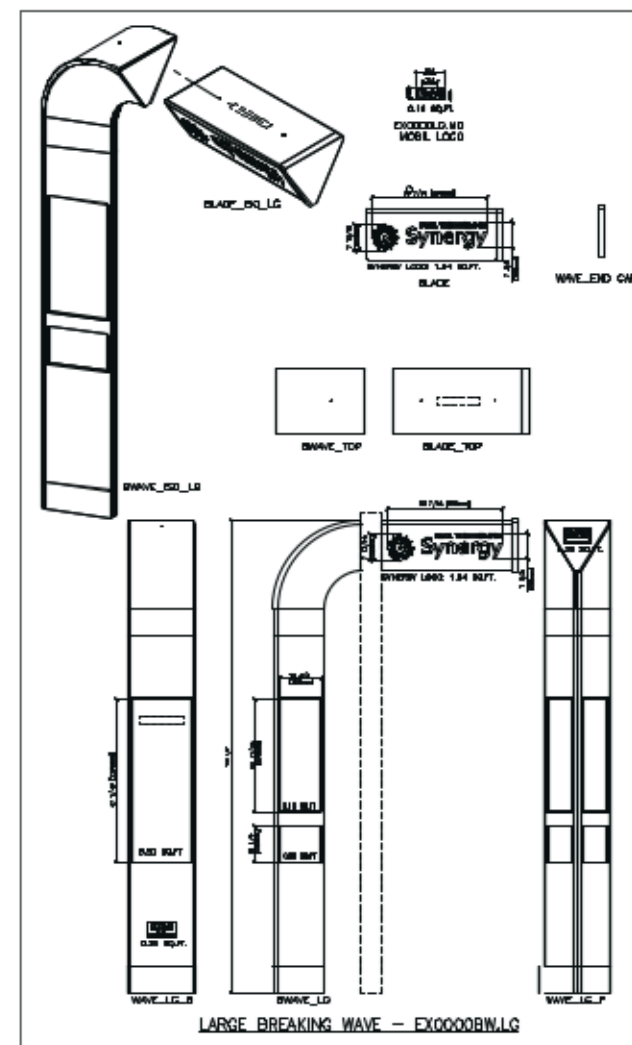
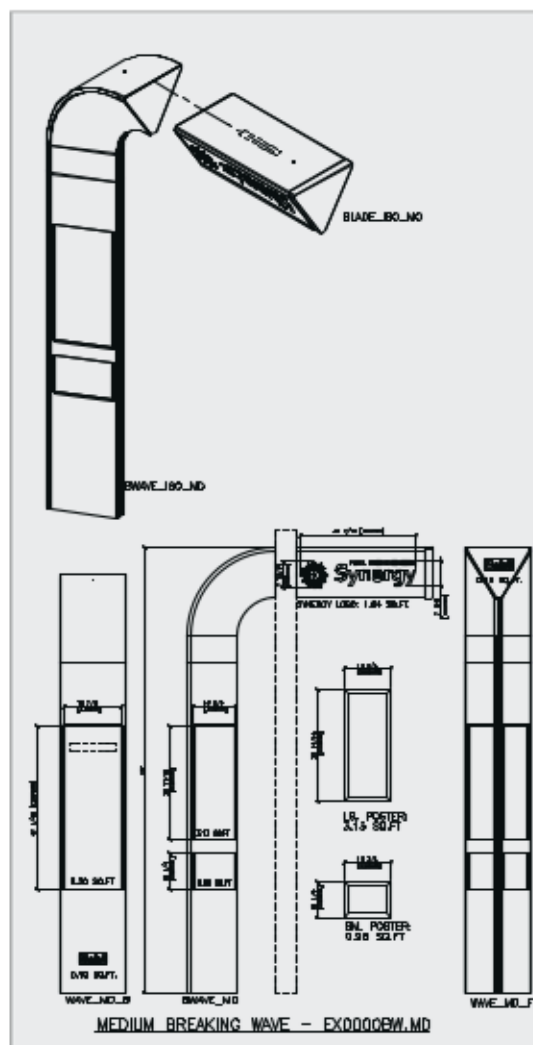
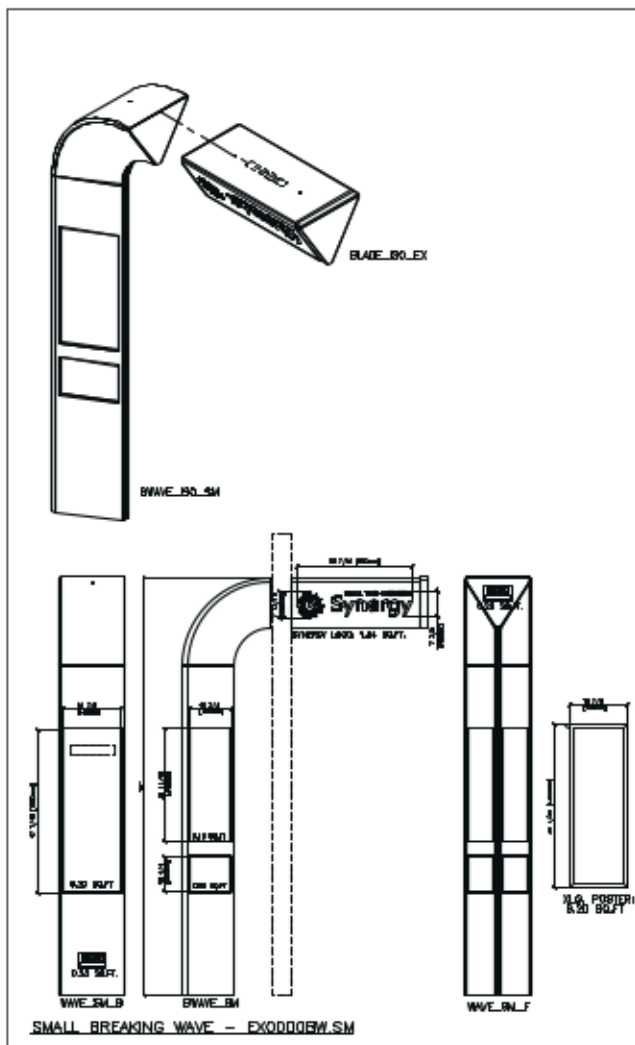
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|-------------------|-------------------|-------------------|------------------|---|
| Project Name | PBL # | Customer | Created by | ExxonMobil Brand Book Site Image Materials Maintenance Big Red Rooster Flow 2 Northfield Plaza, Ste 250 Northfield, IL 60093 P: (847) 441-1818 F: (847) 592-9564 |
| ExxonMobil | 330047 | ExxonMobil | B.Dighero | |
| Revision # | Date | Scale | Page # | |
| R5 | 02_16_2024 | NA | 7 OF 21 | |

Vinyl



| | | | | |
|-------------------|-------------------|-------------------|------------------|---|
| Project Name | PBL # | Customer | Created by | ExxonMobil Brand Book Site Image Materials Maintenance Big Red Rooster Flow 2 Northfield Plaza, Ste 250 Northfield, IL 60093 P: (847) 441-1818 F: (847) 592-9564 |
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| Revision # | Date | Scale | Page # | |
| R5 | 02_16_2024 | NA | 8 OF 21 | |

WAVE



Project Name

ExxonMobil

Revision #

R5

PBL #

330047

Date

02_16_2024

Customer

ExxonMobil

Scale

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Page #

9 OF 21

ExxonMobil Brand Book

Site Image Materials Maintenance

Big Red Rooster Flow

2 Northfield Plaza, Ste 250

Northfield, IL 60093

P: (847) 441-1818 F: (847) 592-9564

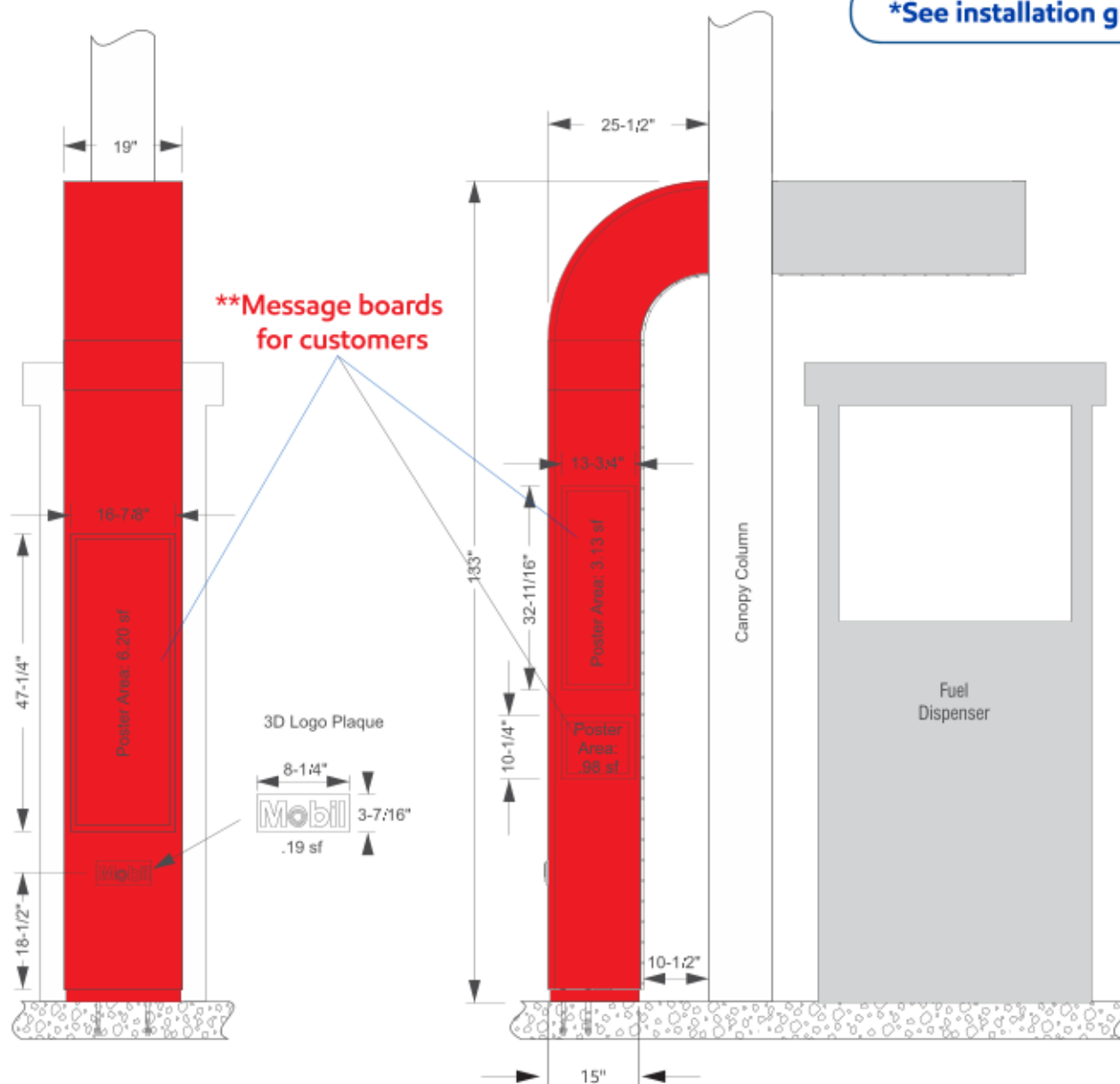
WAVE

Medium Breaking Wave

Structural Spec:

- Aluminum truss core
- Acrylonitrile butadiene styrene (ABS)
- Weight: Wave section 146 lbs
- Structure rated at 120 mph wind load

*See installation guide



Project Name

ExxonMobil

PBL #

330047

Customer

ExxonMobil

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ExxonMobil Brand Book

Site Image Materials Maintenance

Revision #

R5

Date

02_16_2024

Scale

NA

Page #

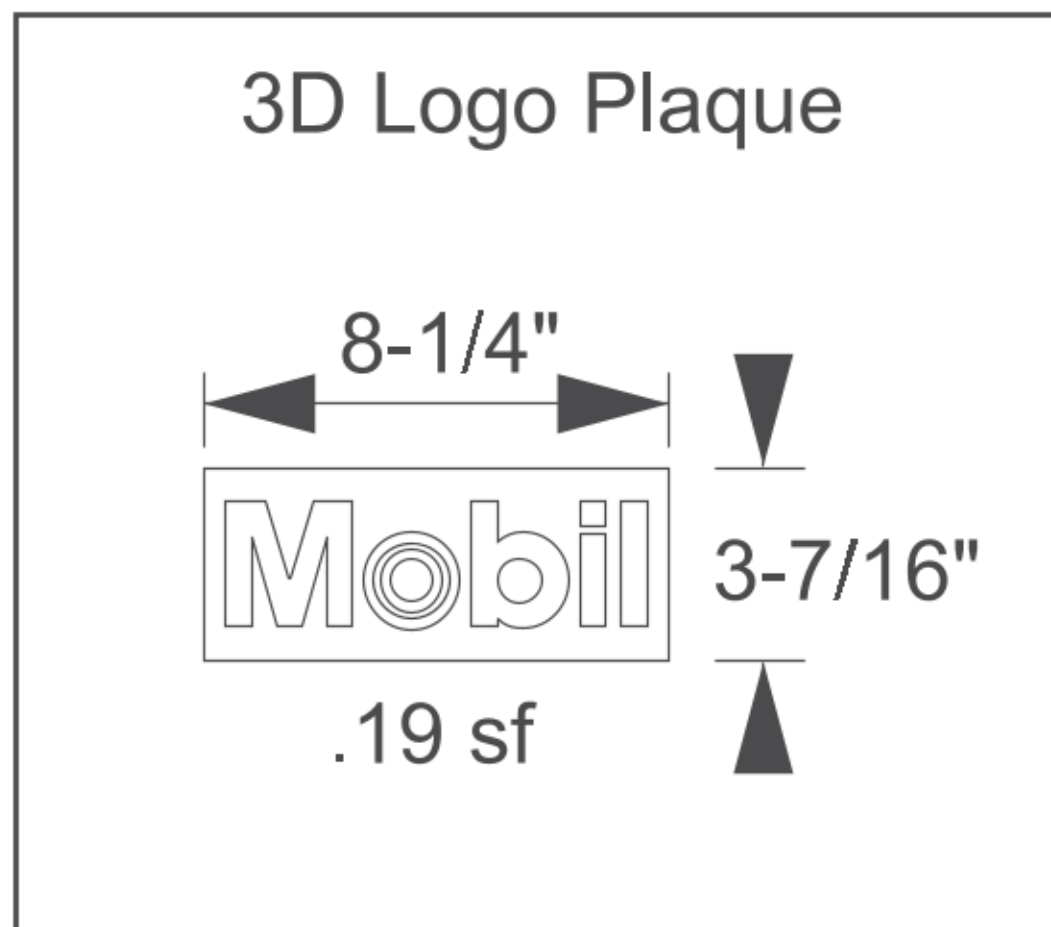
10 OF 21

Big Red Rooster Flow

2 Northfield Plaza, Ste 250
Northfield, IL 60093

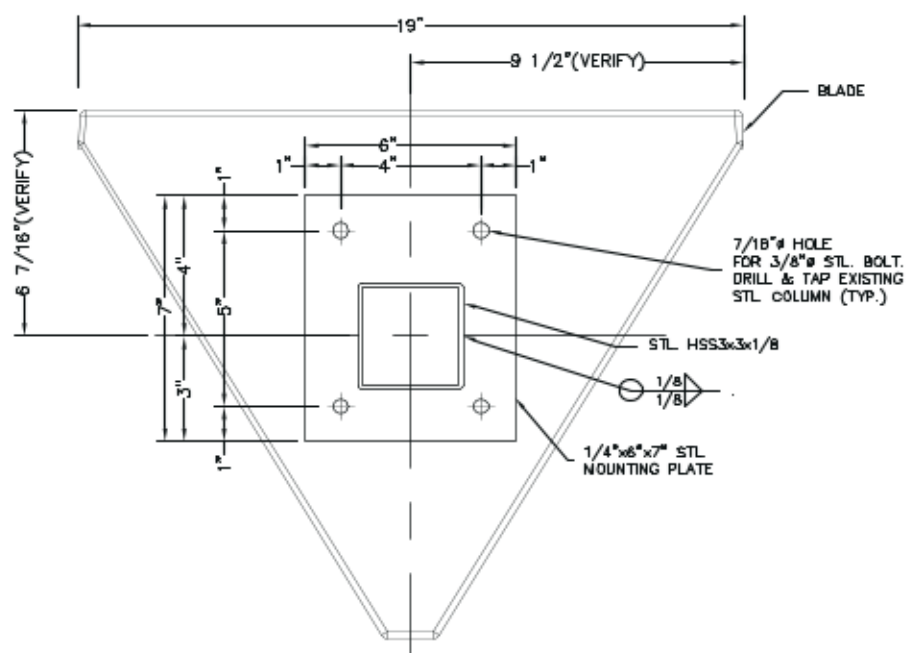
P: (847) 441-1818 F: (847) 592-9564

WAVE

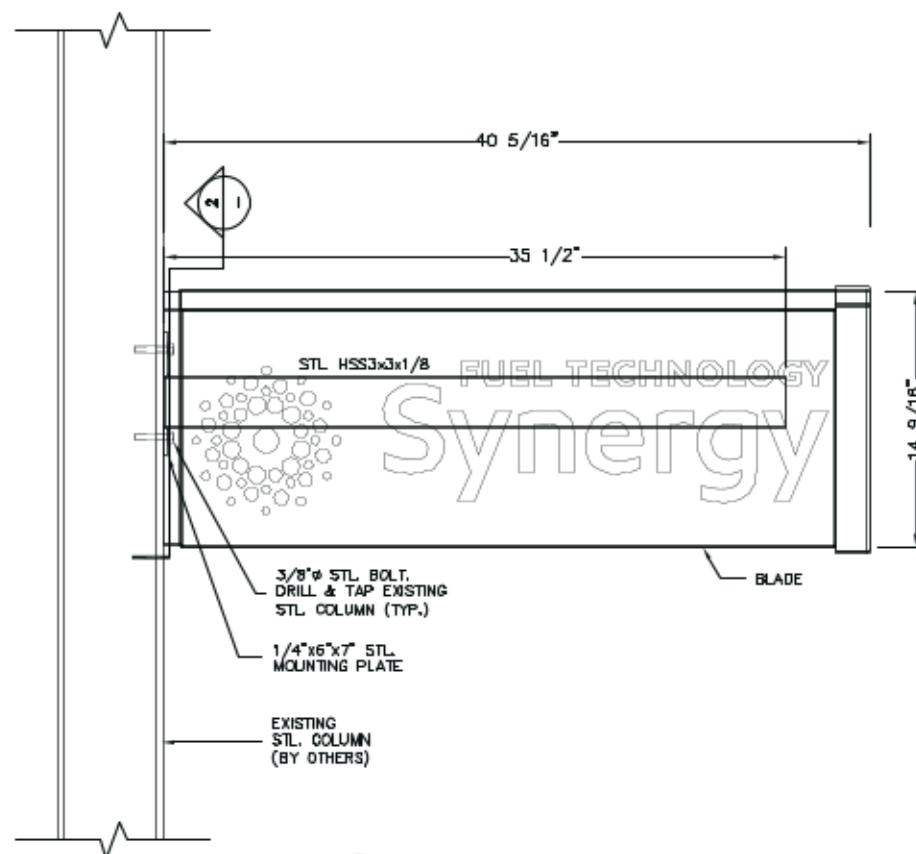


| | | | | |
|-------------------|-------------------|-------------------|------------------|---|
| Project Name | PBL # | Customer | Created by | ExxonMobil Brand Book Site Image Materials Maintenance Big Red Rooster Flow 2 Northfield Plaza, Ste 250 Northfield, IL 60093 P: (847) 441-1818 F: (847) 592-9564 |
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| Revision # | Date | Scale | Page # | |
| R5 | 02_16_2024 | NA | 11 OF 21 | |

BLADE



2 END SECTION DETAIL



1 BLADE ELEVATION SECTION

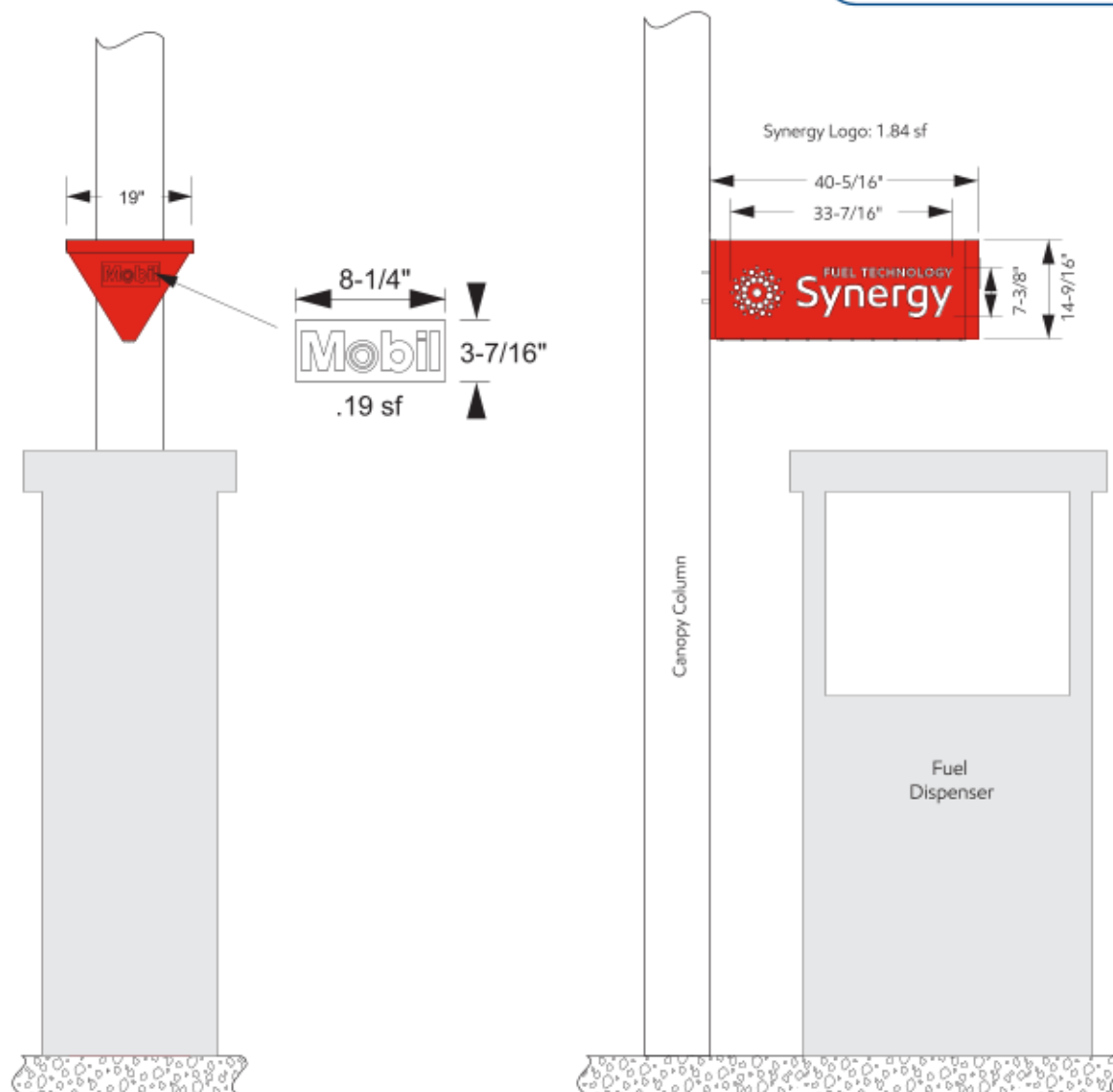
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|-------------------|-------------------|-------------------|------------------|---|
| Project Name | PBL # | Customer | Created by | ExxonMobil Brand Book Site Image Materials Maintenance Big Red Rooster Flow 2 Northfield Plaza, Ste 250 Northfield, IL 60093 P: (847) 441-1818 F: (847) 592-9564 |
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| Revision # | Date | Scale | Page # | |
| R5 | 02_16_2024 | NA | 12 OF 21 | |

BLADE

Blade

Structural Spec:

- Aluminum truss core
- Acrylonitrile butadiene styrene (ABS) outer skin
- 32 lbs total weight
- Structure rated at 180 mph wind load



Project Name

ExxonMobil

PBL #

330047

Customer

ExxonMobil

Created by

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ExxonMobil Brand Book

Site Image Materials Maintenance

Revision #

R5

Date

02_16_2024

Scale

NA

Page #

13 OF 21

Big Red Rooster Flow

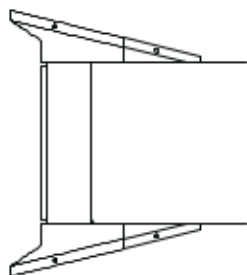
2 Northfield Plaza, Ste 250
Northfield, IL 60093

P: (847) 441-1818 F: (847) 592-9564

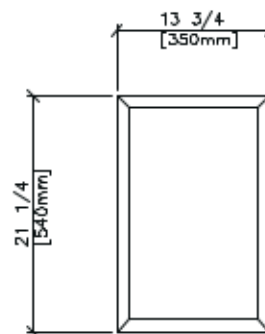
KOALA



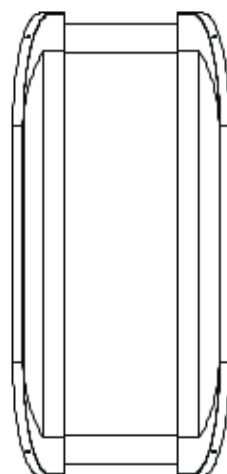
KOALA_S



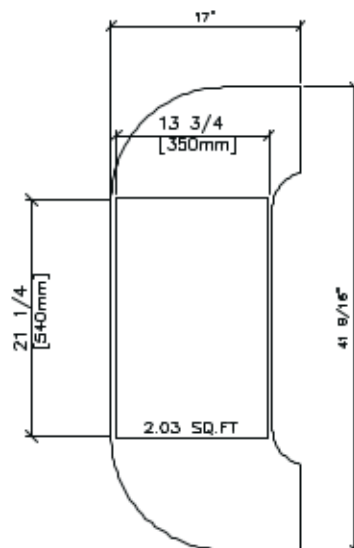
KOALA_S_IG



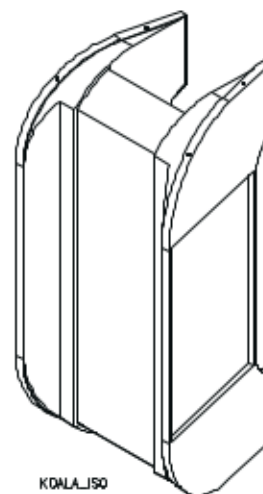
MD. POSTER:
2.03 SQ.FT



KOALA_B



KOALA_B



KOALA_JS0

KOALA ELEVATION
SCALE: 1"=1'-0"

Extra Small

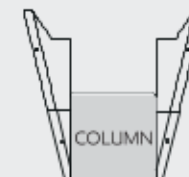
Ears Only

Rectangular Column

7"-9"

Round Column

7"-9"



Small

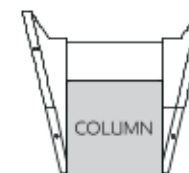
Koala with small back
and two posters

Rectangular Column

10"-13"

Round Column

10"-13"



Large

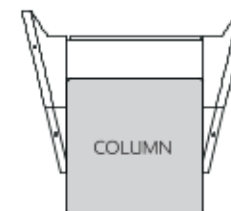
Koala with large back
and three posters

Rectangular Column

13.1"-14.5"

Round Column

13.1"-16.5"



Extra Large

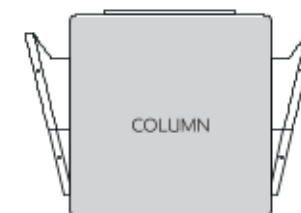
Koala with ears
and three posters

Rectangular Column

>14.5"

Round Column

>16.5"



Project Name

ExxonMobil

PBL #

330047

Customer

ExxonMobil

Created by

B.Dighero

ExxonMobil Brand Book

Site Image Materials Maintenance

Revision #

R5

Date

02_16_2024

Scale

NA

Page #

14 OF 21

Big Red Rooster Flow

2 Northfield Plaza, Ste 250

Northfield, IL 60093

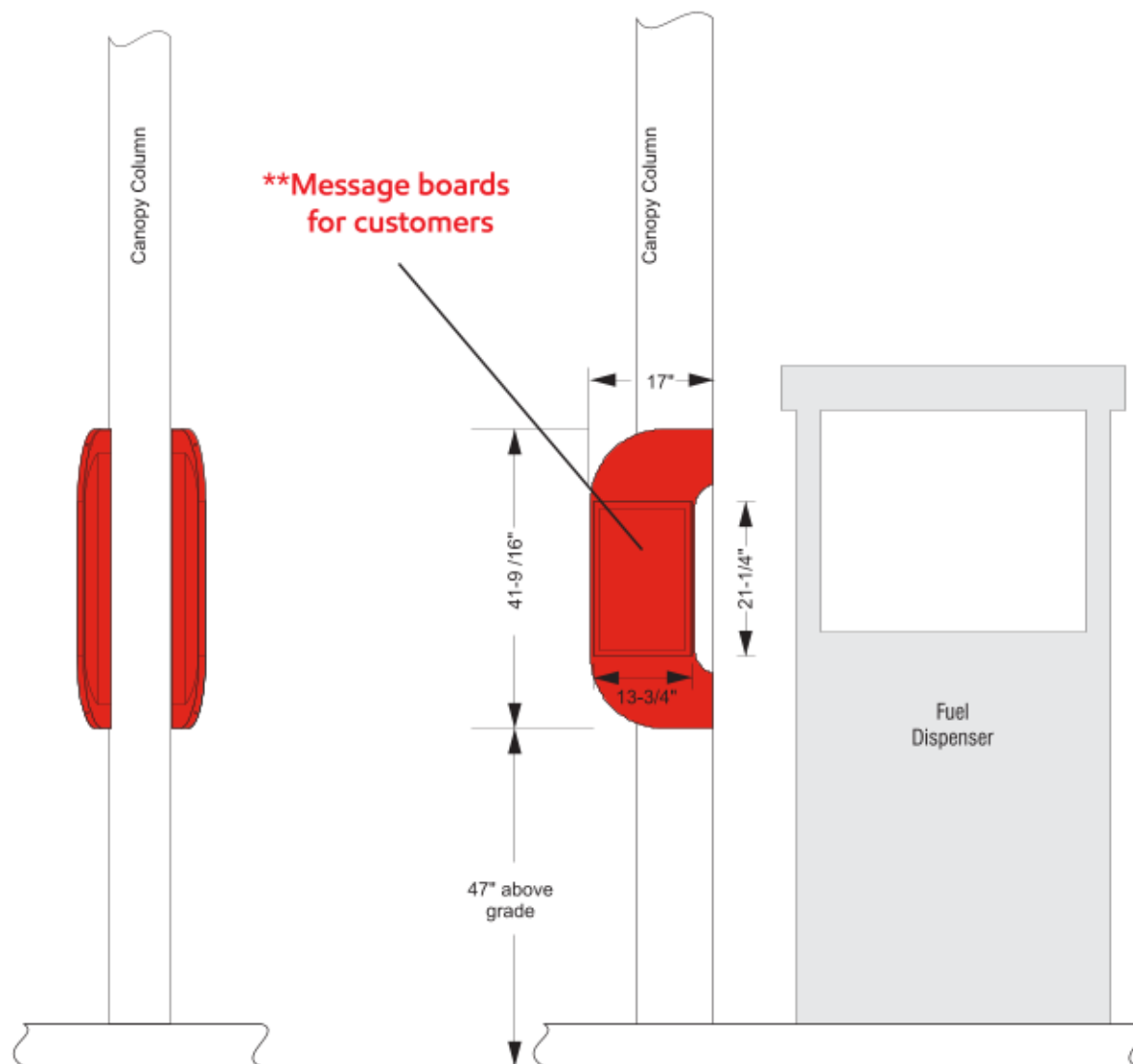
P: (847) 441-1818 F: (847) 592-9564

KOALA

XS Koala without Back

Structural Spec:

- Koala is non-illuminated
- Acrylonitrile butadiene styrene (ABS) outer skin
- 20 lbs total weight
- Structure rated at 120mph wind load



| | | | | |
|-------------------|-------------------|-------------------|------------------|---|
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| ExxonMobil | 330047 | ExxonMobil | B.Dighero | |
| Revision # | Date | Scale | Page # | |
| R5 | 02_16_2024 | NA | 15 OF 21 | |

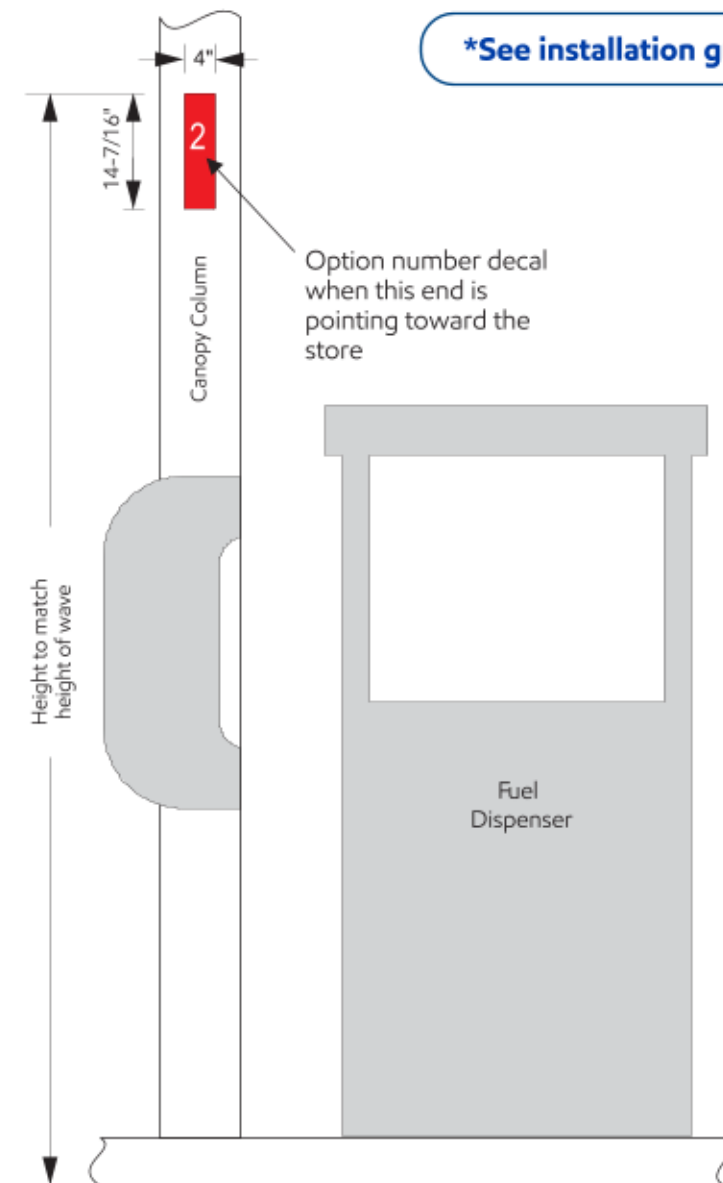
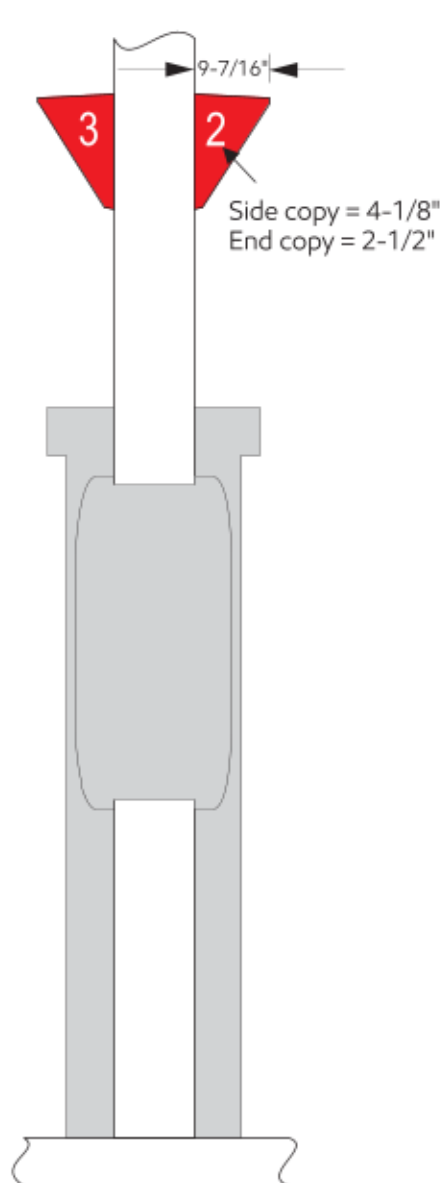
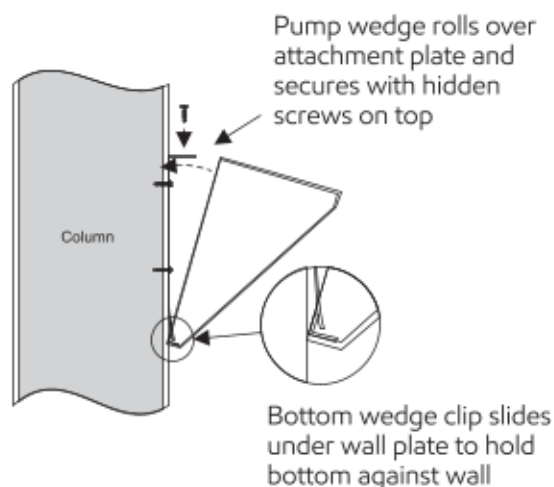
C APERTURE SPECIFICATIONS

NUMBER WEDGE

Structural Spec:

- Wedges are 2 sided, non-illuminated, with white vinyl graphics
- Acrylonitrile butadiene styrene (ABS) skin with aluminum mounting plate
- 2 lbs total weight
- Structure rated at 120 mph wind load

Mounting Detail

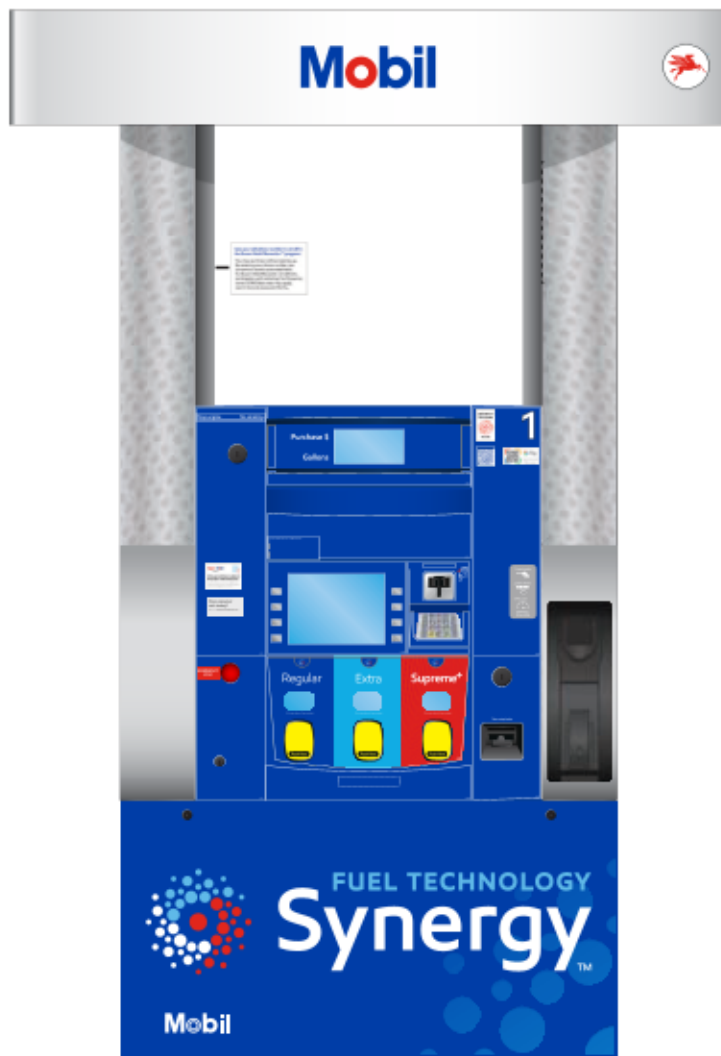


***See installation guide**

| | | | | |
|-------------------|-------------------|-------------------|------------------|---|
| Project Name | PBL # | Customer | Created by | ExxonMobil Brand Book Site Image Materials Maintenance Big Red Rooster Flow 2 Northfield Plaza, Ste 250 Northfield, IL 60093 P: (847) 441-1818 F: (847) 592-9564 |
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| Revision # | Date | Scale | Page # | |
| R5 | 02_16_2024 | NA | 16 OF 21 | |

D DISPENSER

Wayne | Ovation 2 3+0
3 Grade



Existing

| | | | | |
|-------------------|-------------------|-------------------|------------------|---|
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| Revision # | Date | Scale | Page # | |
| R5 | 02_16_2024 | NA | 17 OF 21 | |

D DISPENSER

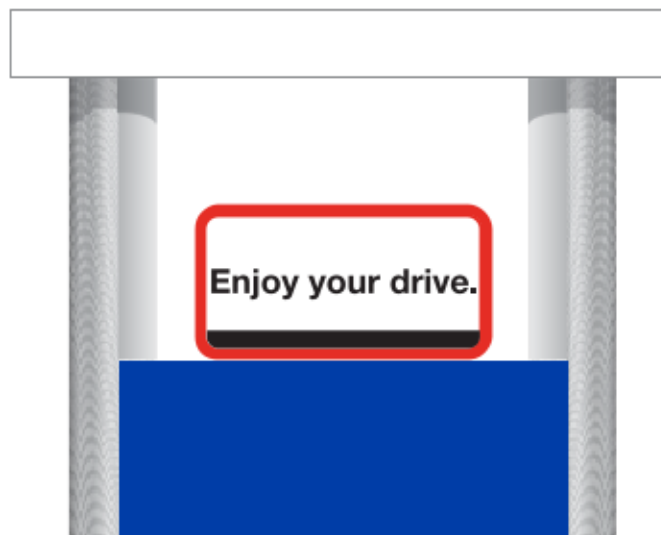
Wayne | Ovation 2
Diesel Efficient



Existing

| | | | | |
|-------------------|-------------------|-------------------|------------------|---|
| Project Name | PBL # | Customer | Created by | ExxonMobil Brand Book Site Image Materials Maintenance Big Red Rooster Flow 2 Northfield Plaza, Ste 250 Northfield, IL 60093 P: (847) 441-1818 F: (847) 592-9564 |
| ExxonMobil | 330047 | ExxonMobil | B.Dighero | |
| Revision # | Date | Scale | Page # | |
| R5 | 02_16_2024 | NA | 18 OF 21 | |

MHD PUMP TOPPERS



| | |
|------------------|----------------|
| QUANTITY: | 4 |
| WIDTH: | 21.25" |
| HEIGHT: | 10.375" |

| | | | | |
|-------------------|-------------------|-------------------|------------------|---|
| Project Name | PBL # | Customer | Created by | ExxonMobil Brand Book Site Image Materials Maintenance Big Red Rooster Flow 2 Northfield Plaza, Ste 250 Northfield, IL 60093 P: (847) 441-1818 F: (847) 592-9564 |
| ExxonMobil | 330047 | ExxonMobil | B.Dighero | |
| Revision # | Date | Scale | Page # | |
| R5 | 02_16_2024 | NA | 19 OF 21 | |

D AMENITY BINS



ARUBA WASTE/WINDSHIELD CENTER,
42-GALLON DOUBLE-SIDED, OPEN-TOP

BLACK: #75990199

QUANTITY: 0



ARUBA WASTE/WINDSHIELD CENTER,
42-GALLON SINGLE-SIDED, OPEN-TOP

BLACK: #759901

QUANTITY: 0



FIJI WASTE/WINDSHIELD SERVICE
CENTER, 40-GALLON DOUBLE-SIDED,
OPEN-TOP

BLACK: #758701

QUANTITY: 0



FIJI WASTE/WINDSHIELD SERVICE CENTER,
40-GALLON SINGLE-SIDED, OPEN-TOP

BLACK: #758901

QUANTITY: 0



HARBOR 1 SINGLE-SIDED
WASTE/WINDSHIELD
CENTER

Black: #755101

QUANTITY: 4



HAVEN 1 SINGLE-SIDE
WASTE/WINDSHIELD
SERVICE CENTER

Black: #75810199

QUANTITY: 0



HAVEN 2 DOUBLE-SIDE
WASTE/WINDSHIELD
SERVICE CENTER

Black: #75820199

QUANTITY: 0



42-GALLON SQUARE
WASTE CONTAINER

Black: #732101

QUANTITY: 0



42-GALLON WITH DOME OR
ASHTRAY LID

Black: #73300199

QUANTITY: 0

Project Name

ExxonMobil

PBL #

330047

Customer

ExxonMobil

Created by

B.Dighero

ExxonMobil Brand Book

Site Image Materials Maintenance

Revision #

R5

Date

02_16_2024

Scale

NA

Page #

20 OF 21

Big Red Rooster Flow

2 Northfield Plaza, Ste 250
Northfield, IL 60093

P: (847) 441-1818 F: (847) 592-9564

E PAINT SPECIFICATIONS

Sherwin Williams: P1
Name: Tan
Pantone: N/A
NCS: 2610-Y11R

Jones Blair: A2W-080101/
99951 Acrylithane HS2
Semi-Gloss

Application: Proscenium arch existing buildings

Sherwin Williams: P8
Name: Eggshell White
Pantone: N/A
NCS: N/A

Jones Blair: (U.S. only)
45027/99951 Acrylithane
1152 Semi-Gloss

Application: All columns shrouds or columns, ID signs/frames
(excluding high rise signs) includes any sign with prices and island
shelter buildings

Sherwin Williams: P6
Name: ExxonMobil Red
Pantone: 485C
NCS: 0980-Y81R

Jones Blair: A2N-D10169/
99951 Acrylithane HS2
Semi-Gloss

Application: Signage and fascia

Sherwin Williams: P9
Name: Gunmetal Gray
Pantone: N/A
NCS: N/A

Jones Blair: A2N6011/
99951 Acrylithane HS2
Semi-Gloss

Application: Sign frames (snap-lock), high rise ID sign poles, frames,
yard lights and poles, small free-standing message sign frames, Air
& Water stand, trash enclosure, and vent pipes (remote from building)

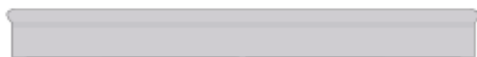
Sherwin Williams: P13
Name: Gray
Pantone: N/A
NCS: N/A

Jones Blair: 45604/99951
Acrylithane HS2
Semi-Gloss

Application: Exterior walls on
existing buildings mullions, door
and door frames, building sign
frames, curbs, and bollards

Islands

Existing painted islands need to be painted P13 gray



Unpainted and stainless steel islands do not need to be painted



Bollards

Existing painted bollards need to be painted P13 gray



Stainless steel bollards do not need to be painted



CHANGE LOG

For any questions please contact Site Image Materials Maintenance at 866-844-7078

| DATE | CHANGE LOG |
|------------|--|
| 01/16/2024 | <ul style="list-style-type: none"> Canopy all white |
| 01/26/2024 | <ul style="list-style-type: none"> MID and C-Store Updated |
| 02/13/2024 | <ul style="list-style-type: none"> OAH added, pump topper removed |
| 02/13/2024 | <ul style="list-style-type: none"> Logo page |
| 02/16/2024 | <ul style="list-style-type: none"> Brand Book updates |

| | | | | |
|-------------------|-------------------|-------------------|------------------|---|
| Project Name | PBL # | Customer | Created by | ExxonMobil Brand Book Site Image Materials Maintenance Big Red Rooster Flow 2 Northfield Plaza, Ste 250 Northfield, IL 60093 P: (847) 441-1818 F: (847) 592-9564 |
| ExxonMobil | 330047 | ExxonMobil | B.Dighero | |
| Revision # | Date | Scale | Page # | |
| R5 | 02_16_2024 | NA | 21 OF 21 | |

iGLO LED Flat Canopy Series - 150W

ENVIRONMENTALLY FRIENDLY, ENERGY EFFICIENT

iGLOLED
IGLOLED.NET



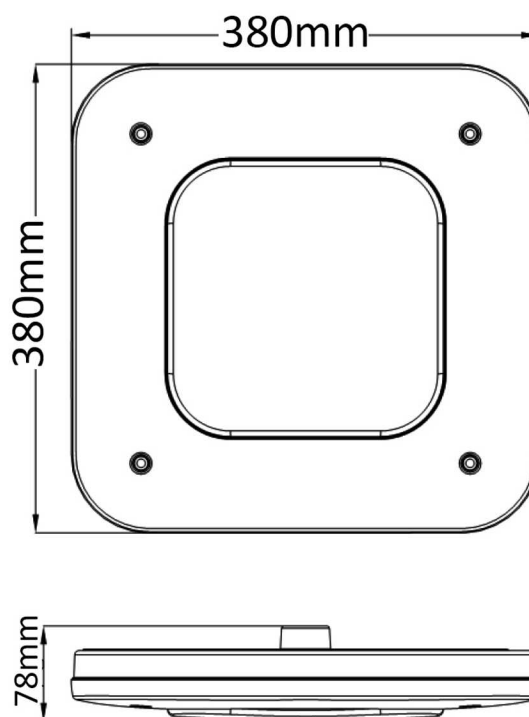
Features

- cULus, DLC Certificate
- PHILIPS Chip, high CRI
- Mean Well IP65 driver
- Input Voltage 100-277VAC
- No UV or IR in the beam
- Easy to install and operate
- Energy saving, long lifespan
- Light is soft and uniform, safe to eyes
- Instant start, NO flickering, NO humming
- Green and eco-friendly without mercury



Applications

Gas Stations, Service Stations,
Underground Parking Lot, Warehouse,
Garage, Work Floor & Factories, etc.

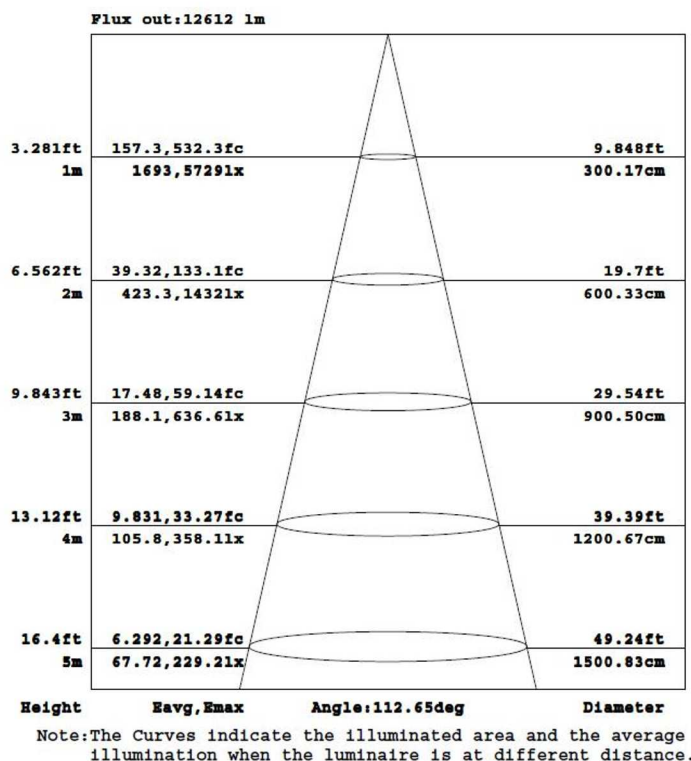
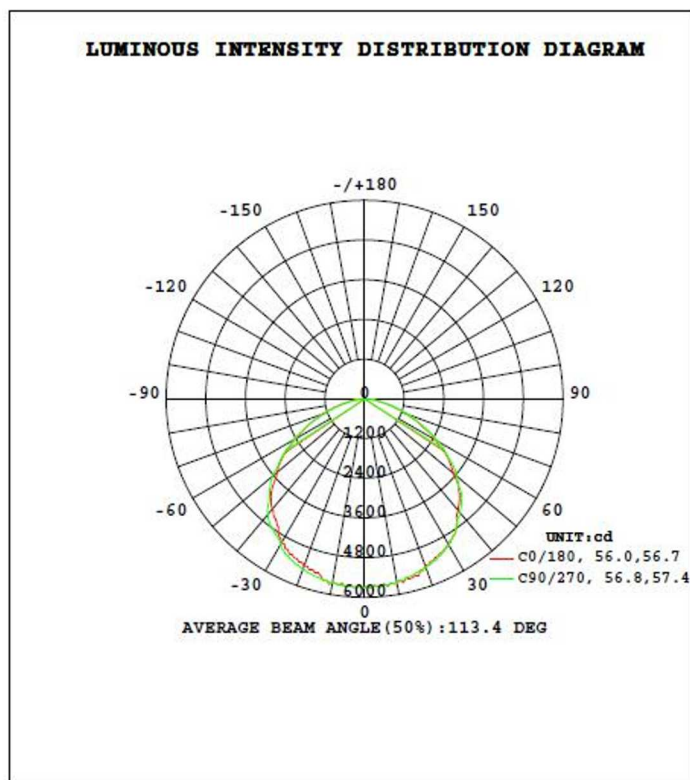


PRODUCT SPECIFICATIONS

| | | |
|--------------------------------|--|--|
| iGLO LED Canopy Series: | GL150WMCANP131SN4000KUDX GL150WMCANP131SN5000KUDX GL150WMCANP131SN5700KUDX | GL150WMCANP231SN4000KUDX GL150WMCANP231SN5000KUDX GL150WMCANP231SN5700KUDX |
| Mounting Types: | 1: Ceiling Mounting 2: Threaded Rod Mounting | |
| Wattage: | 150W | |
| Lumens: | 16142 lm - 16877 lm | 16435-16877 lm |
| CCT: | 4000K/5000K/5700K | |
| Input Voltage: | AC100-277V, 50/60 Hz | |
| Power Factor: | ≥0.9 | |
| Efficacy: | 107-110 lm/W | |
| CRI: | >70 | |
| Dimension: | 380*380*78mm | |
| Viewing Angle: | 110° | |
| Operating Temperature: | -20°C to 45°C | |
| Weight: | 13.88 lb | |
| Application: | Outdoor | |
| Housing: | Aluminum | |
| Housing color: | White | |
| Waterproof Rating: | IP65 | |
| Certificates: | UL, DLC | |
| Warranty: | 5 Years | |

| Box Size | Qty/Carton | Gross Weight | Net Weight |
|---------------|------------|--------------|------------|
| 425*420*120mm | 1 | 7.2 kg/CTN | 6.3 kg/PCS |

PHOTOMETRIC DATA





AM



DM



A&D

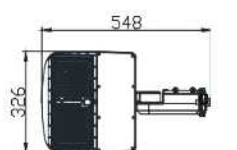


YM

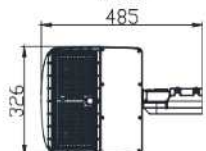


FM

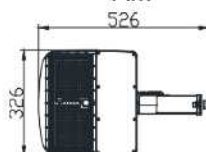
DIMENSIONS



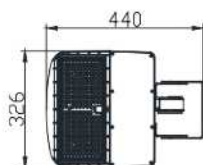
A&D



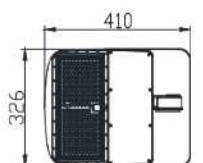
AM



DM



YM



FM

ELITE ENERGY SOLUTIONS

 E-mail: info@eliteled.net
www.eliteled.net

P/N: EES-G11C-150WJT3H1-ab

The letter "a" can be any two letters to represent lamp colors; "BH" = Black \ "WH" = White \ "BR" = Brown or Customized

The letter "b" represent photocontrol, which can be "3RP", "3NP", "5RP", "5NP", "7RP", "7NP" for Photocontrol type provided or blank for no Photocontrol provided.

The letter "c" represent surge protector, can be "10SP", "20SP" for Surge-Protective Device type provided or blank for no Surge-Protective Device provided.

The letter "d" can be "M" or blank for Motion Sensor provided or not.

The letter "e" represent bracket, can be "AM", "DM", "YM", "A&DM" and "FM" or not.

The letter "f" can be any two digits to represent CCT.

Advantage:

- UL DLC certificate.
- Seoul Chip, high CRI
- IP65 driver, Input voltage 100-277Vac
- Output constant current lever can be adjusted through output cable with 1-10V.
- No UV or IR in the beam
- Easy to install and operate
- Energy saving, Long lifespan
- Light is soft and uniform, Safe to eyes
- Instant start, NO flickering, NO humming
- Green and eco-friendly without mercury.

Application:

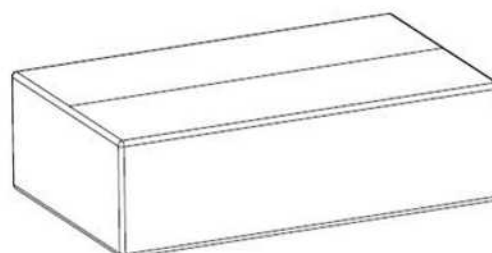
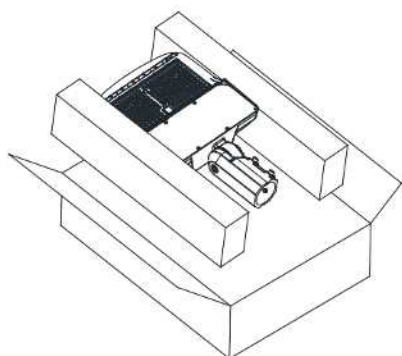
- Outdoor basketball court, tennis court.
- Badminton court, the football field.
- The school playground, stadium.
- Community leisure entertainment plaza, road lamp etc.

SPECIFICATIONS

| | | |
|-------------------|-----------------------|---|
| OPTICAL | Input Power | 150W |
| | Lumen | 19500-21000LM |
| | Lumen Efficacy | 130-140 LM/W |
| | Color Temperature | 4000K, 5000K, 5700K |
| | CRI | >70 |
| | Viewing Angle | 160*96 Degree (Type III) |
| ELECTRICAL | Input Voltage | 100-277VAC 50/60Hz |
| | PF | ≥0.9 |
| | THD | ≤20% |
| | Driver Model | SOSEN SS-150VA-56B |
| | Optional Accessory | Photocell / Surge protector/ Motion sensor/Socket |
| MATERIALS | LED Brand | Seoul |
| | LED Type | 3030 |
| | LED QTY | 189PCS |
| | Housing | Aluminum Alloy |
| | Housing Color | Black / Brown/white/Customized |
| | Waterproof Rating | WET (IP65) |
| OTHERS | Operating Temperature | -40℃ TO 50℃ |
| | Operating Humidity | 10%-90% RH |
| | Storage Temperature | -40℃ TO 80℃ |
| | Storage Humidity | 10%-95% RH |
| | Warranty Time | 5 Years |

PACKAGE

| Stent Type | Lamps Net Weight | Size | Qty/ Carton | Weight/ Carton |
|------------|------------------|---------------|-------------|----------------|
| AM | 4.9Kg | 555*375*160MM | 1 | 5.8Kg |
| DM | 5.5Kg | 555*375*160MM | 1 | 6.4Kg |
| YM | 5.0Kg | 555*375*160MM | 1 | 5.9Kg |
| A&D | 5.4Kg | 555*375*160MM | 1 | 6.3Kg |
| FM | 4.7Kg | 555*375*160MM | 1 | 5.6Kg |



LIGHT DISTRIBUTION TESTING PARAMETERS

Luminaire Property

Luminaire Manufacturer:

Voltage: 119.6 V

Power: 151.99 W

Current: 1.272 A

Power Factor: 0.998

Photometric Results

IES Classification: Type III

Total Rated Lamp Lumens: 20080.9 lm

Efficiency: 100%

Upward Ratio: 1%

Central Intensity: 240 cd/klm

Pos of Max. Intensity: H180 V68

Longitudinal Classification: Medium

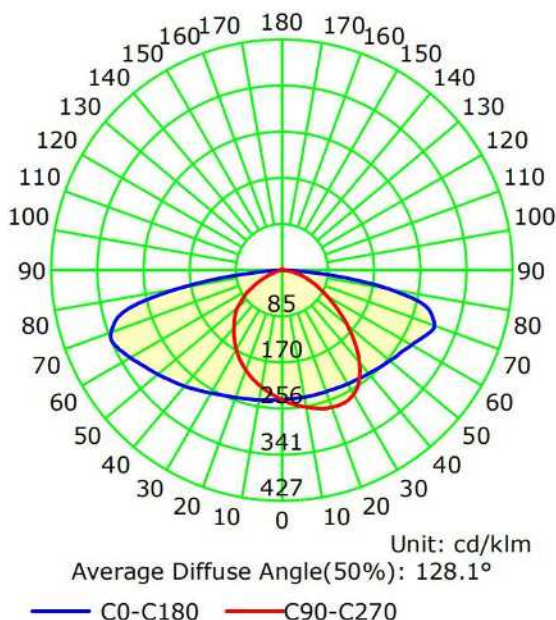
Measurement Flux: 20080.9 lm

Downward Ratio: 99%

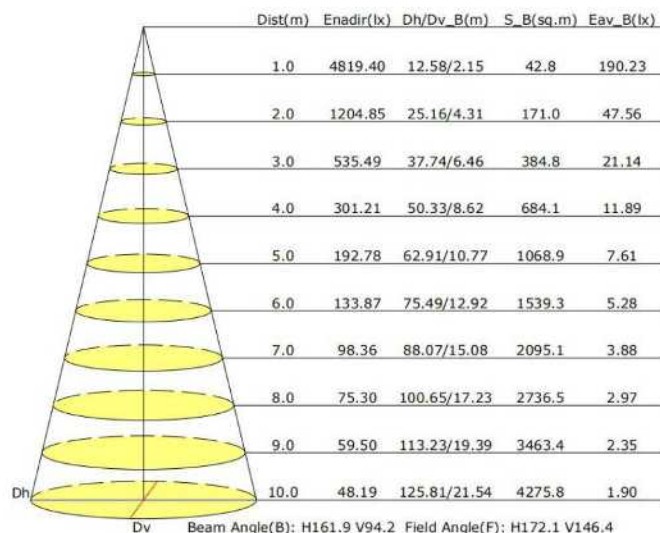
Luminaire Efficacy Rating (LER): 132.17

Max. Intensity: 341.81 cd/klm

Luminous Intensity Distribution Curve



Illuminance at a Distance



NOTICE FOR USER

- Please turn off power before install or change assembly parts.
- The input voltage and lamps should be matched, after connecting the power line, Please make sure the wiring section is insulated.
- No-professionals, must not install and disassemble the lamps.

TROUBLE SHOOTINGS

| Troubles | Check points |
|-------------------------|--|
| Flickering of the light | Turn off the power and turn on again in 3 minutes. If same phenomena occur, then call agencies. |
| Out of working | Please check the connection. |



1837 Wilmette Ave, Wilmette IL

Luminaire list

 Φ_{total}

185550 lm

 P_{total}

1485.6 W

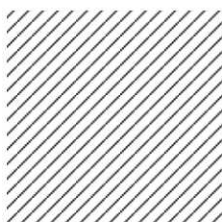
Luminous efficacy

124.9 lm/W

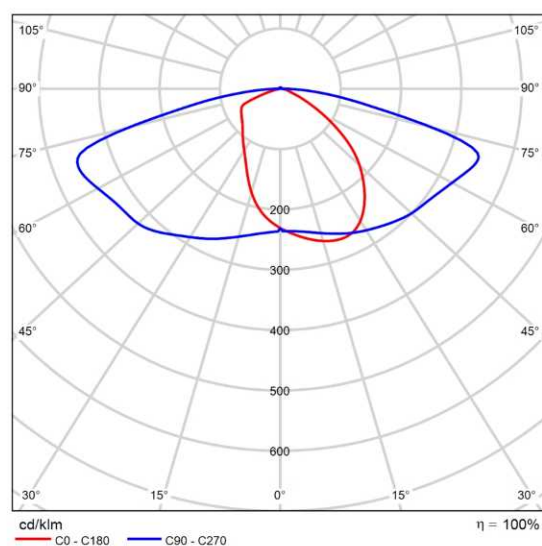
| pcs. | Manufacturer | Article No. | Article name | P | Φ | Luminous efficacy |
|------|--------------|-------------|--------------------------|---------|----------|-------------------|
| 2 | / | | 150W Area Light T3 Optic | 150.0 W | 19959 lm | 133.1 lm/W |
| 8 | / | | 150W Canopy Light | 148.2 W | 18204 lm | 122.8 lm/W |

Product data sheet

/ - 150W Area Light T3 Optic



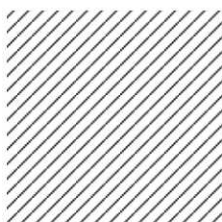
| | |
|---------------------------|------------|
| P | 150.0 W |
| Φ_{Lamp} | 19959 lm |
| $\Phi_{\text{Luminaire}}$ | 19959 lm |
| η | 100.00 % |
| Luminous efficacy | 133.1 lm/W |
| CCT | 4000 K |
| CRI | 84 |



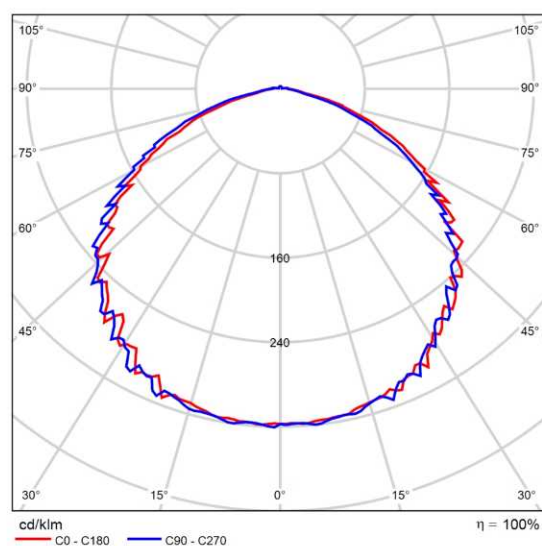
Polar LDC

Product data sheet

/ - 150W Canopy Light

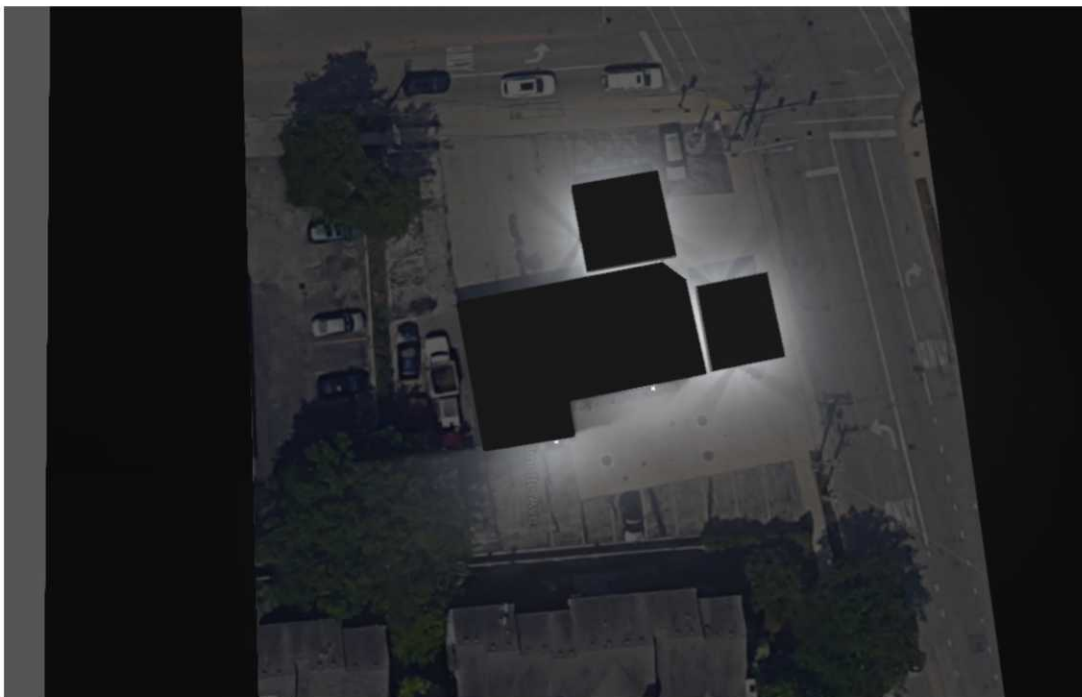
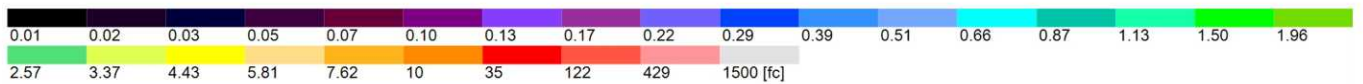
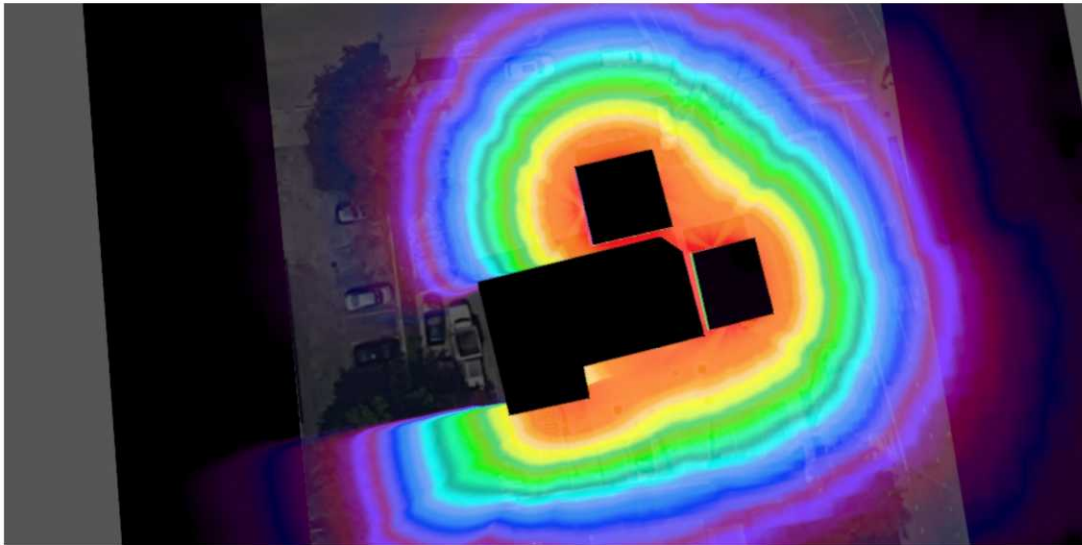


| | |
|---------------------------|------------|
| P | 148.2 W |
| Φ_{Lamp} | 18205 lm |
| $\Phi_{\text{Luminaire}}$ | 18204 lm |
| η | 100.00 % |
| Luminous efficacy | 122.8 lm/W |
| CCT | 4000 K |
| CRI | 84 |



Polar LDC

Images



Site 1

Luminaire layout plan



Site 1

Luminaire layout plan

/ - - 150W Area Light T3 Optic

1x

| X | Y | Mounting height | Housing rotation | MF | Luminaire |
|-----------|------------|-----------------|--------------------|------|-----------|
| 3.681 ft | 10.906 ft | 15.000 ft | 0.0° / 0.0° / 7.0° | 0.90 | 9 |
| 16.148 ft | -16.811 ft | 15.000 ft | 0.0° / 0.0° / 7.0° | 0.90 | 10 |

/ - - 150W Canopy Light

1x

| X | Y | Mounting height | Housing rotation | MF | Luminaire |
|------------|-----------|-----------------|----------------------|------|-----------|
| -49.252 ft | -0.430 ft | 15.000 ft | 0.0° / 0.0° / -84.0° | 0.90 | 1 |
| -36.748 ft | 0.893 ft | 15.000 ft | 0.0° / 0.0° / -84.0° | 0.90 | 2 |
| -50.589 ft | 12.207 ft | 15.000 ft | 0.0° / 0.0° / -84.0° | 0.90 | 3 |
| -38.085 ft | 13.530 ft | 15.000 ft | 0.0° / 0.0° / -84.0° | 0.90 | 4 |
| -18.421 ft | 30.707 ft | 15.000 ft | 0.0° / 0.0° / -84.0° | 0.90 | 5 |
| -5.995 ft | 32.022 ft | 15.000 ft | 0.0° / 0.0° / -84.0° | 0.90 | 6 |
| -19.502 ft | 40.924 ft | 15.000 ft | 0.0° / 0.0° / -84.0° | 0.90 | 7 |
| -7.076 ft | 42.239 ft | 15.000 ft | 0.0° / 0.0° / -84.0° | 0.90 | 8 |

Site 1

Calculation objects



Site 1

Calculation objects

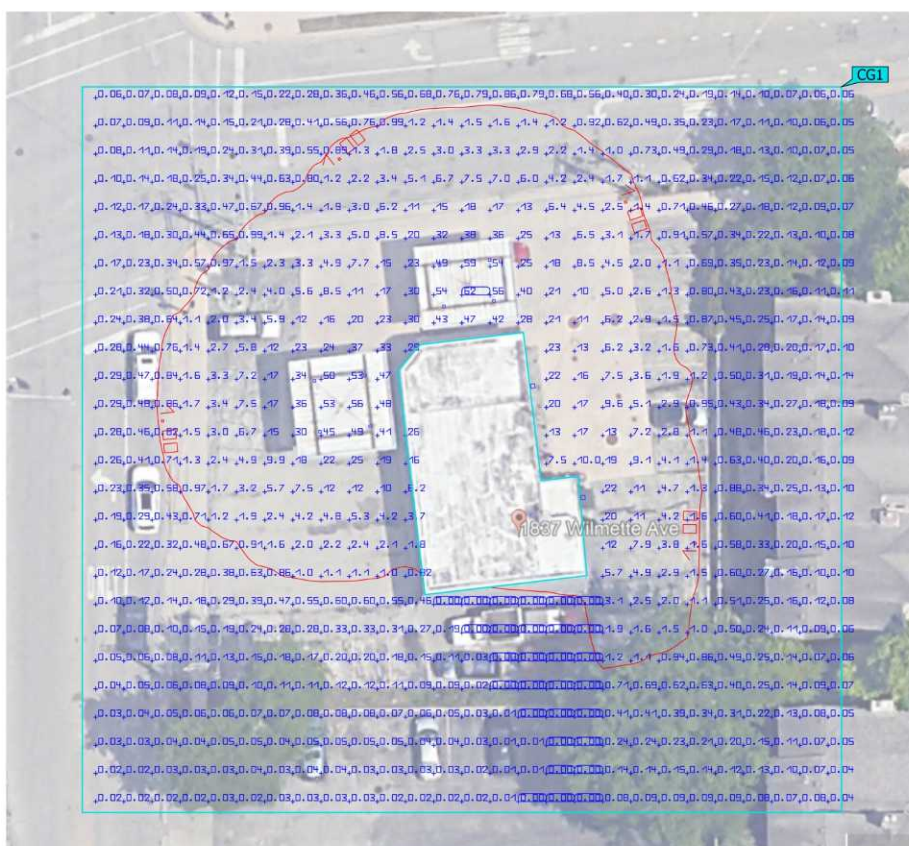
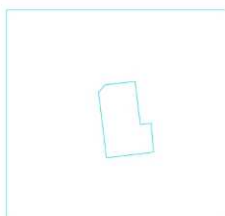
Calculation surfaces

| Properties | \bar{E} | E_{min} | E_{max} | \bar{E}/E_{min} | E_{max}/E_{min} | Index |
|--|-----------|-----------|-----------|-------------------|-------------------|-------|
| Calculation surface 1 Perpendicular illuminance Height: 0.000 ft | 4.32 fc | 0.000 fc | 61.7 fc | - | - | CG1 |

Utilisation profile: DIALux preset, Default (Drive Aisles/Parking Areas)

Site 1

Calculation surface 1



| Properties | \bar{E} | E_{min} | E_{max} | \bar{E}/E_{min} | E_{max}/E_{min} | Index |
|---------------------------|-----------|-----------|-----------|-------------------|-------------------|-------|
| Calculation surface 1 | 4.32 fc | 0.000 fc | 61.7 fc | - | - | CG1 |
| Perpendicular illuminance | | | | | | |
| Height: 0.000 ft | | | | | | |

Utilisation profile: DIALux preset, Default (Drive Aisles/Parking Areas)





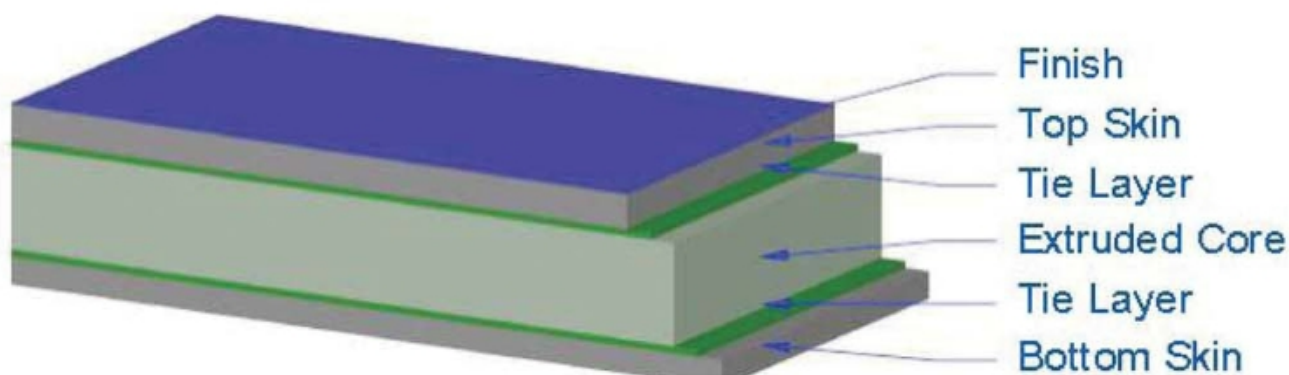


TECHNICAL DATA SHEET

Reynobond® Aluminum Composite Materials 120PE

Product Description

Reynobond® 3mm Polyethylene (PE) metal wall panels, RB120PE, consist of an extruded, 0.079"/2mm thick, PE core laminated between two aluminum skins. The panels weigh a nominal 0.9lb/ft², with the front skin nominally 0.020"/0.5mm thick and the back skin nominally 0.014"/0.35mm thick. The core and skins are bonded together with a thermally activated tie layer in a continuous process at the Alcoa Architectural Products manufacturing facility. The skins of painted Reynobond ACM are composed of a 3000 series aluminum alloy. The top skin is usually coated with a 2-coat modified polyester resin. Polyvinylidene Fluoride (PVDF) and Fluoroethylene Vinyl Ether (FEVE) coatings are also available.



Product Tolerances

| | |
|----------------------------|---------------|
| Width | -1/32" +1/16" |
| Length | -0 + 1/4" |
| Panel Square | + 1/8" |
| Panel Gauge | ± 8/1000" |
| Bow | + 1/4" |
| Peel Strength (ASTM D1781) | >25in-lb/in |

Standard Panel Size and Color Options

Available widths: 39.37" (1m); 48" (1.2m); 50" (1.3m); 62" (1.6m)
Available lengths: 48" (1.2m) - 243" (6.2m)

Refer to our color charts on our website for standard color availability or consult your Alcoa Architectural Products' sales representative for custom color matching options

Refer to our Reynobond Stocking List to view our Finished Goods (FG) standard stocking color offerings. The stocking list highlights the paint finish, coil widths and available panel sizes for each of our FG color offerings.

Product Performance

RB120PE has been tested to the applicable standards in International Building Code (IBC) 1407 by third-party testing and listing agencies. Please reference our engineering properties document for a list of the product's performance to various standards and consult Alcoa Architectural Products (AAP) for technical support and/or additional information. Reynobond panels come with a 10-year bond warranty and up to a 30-year warranty for standard architectural finishes. Consult your AAP sales representative for applicable warranties for specific color families.



Alcoa Architectural Products
50 Industrial Boulevard
Eastman, GA 31023-4129
Tel. 800.841.7774
Fax. 478.374.7041
reynolux.com



SAFETY DATA SHEET

1. Identification

Product identifier REYNOBOND ALUMINUM COMPOSITE MATERIAL

Other means of identification

SDS number 1426

Version # 07

Chemical description Article

Revision date February 14, 2018

Recommended use Architectural/building materials

Manufacturer/Importer/Supplier/Distributor information

Arconic Inc.
201 Isabella Street
Pittsburgh, PA 15212-5858 US
Health and Safety Tel: +1-412-553-4649
Health and Safety Fax: +1-412-553-4822
Health and Safety Email: SDSInfo@arconic.com

Arconic Architectural Products S.A.S.
2 rue Marie Curie
68500 Merxheim, France
Tel: +33 (0) 89 74 46 00

Arconic Architectural Products LLC
50 Industrial Boulevard
Eastman, GA 30123
Tel: +1-478-374-4746

Emergency Information CHEMTREC: +1-703-527-3887 +1-800-424-9300 (24 Hour Emergency Telephone, multiple languages spoken); Arconic: +1-412-553-4001 (24 Hour Emergency Telephone, only English spoken)

Website For a current Safety Data Sheet, refer to Arconic websites: www.arconic.com or internally at my.arconic.com EHS Community.

2. Hazard(s) identification

Classification

When used as intended, this product is an article and should not pose any health hazard. The health effects listed below should not occur unless improper processing or installation of this product generates dust or fumes. This product is not intended to be sanded or ground and should not be shaved, sanded, ground or otherwise altered. The classification and hazards associated with this product may change depending on the form. Under some use conditions, this material may be considered to be hazardous in accordance with OSHA 29 CFR 1910.1200.

Potential health effects

The following statements summarize the health effects generally expected in cases of overexposures. User specific situations should be assessed by a qualified individual. Additional health information can be found in Section 11.

The following health effects are not likely to occur unless sawing or cutting generates dust or unless material is heated to melting.

Physical hazards Not classified.

Health hazards Carcinogenicity Category 2

Environmental hazards Not classified.

OSHA defined hazards Combustible dust

Label elements



| | |
|--|--|
| Signal word | Warning |
| Hazard statement | Suspected of causing cancer by inhalation. May form combustible dust concentrations in air. |
| Precautionary statement | |
| Prevention | Wear protective gloves and eye/face protection. Avoid breathing dust. In case of inadequate ventilation wear respiratory protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. |
| Response | If exposed or if you feel unwell: Get medical advice/attention. |
| Storage | Not applicable. |
| Disposal | Not applicable. |
| Hazard(s) not otherwise classified (HNOC) | None known. |
| Supplemental information | None. |
| Specific hazards | <p>Small chips, fine turnings, and dust from processing may be readily ignitable.</p> <p>May be a potential hazard under the following conditions:</p> <ul style="list-style-type: none">• Dust or fines are dispersed in air.• Chips, dust or fines are in contact with water.• Dust and fines are in contact with certain metal oxides (e.g., rust, copper oxide).• Molten metal is in contact with water/moisture. <p>Dust or fume from processing Can cause irritation of the eyes, skin and upper respiratory tract. Aramid fibers: Chronic overexposures: Studies with experimental animals by inhalation have found scarring of the lungs (pulmonary fibrosis) and lung tumors.</p> <p>Heating above the melting point releases metallic oxides which may cause metal fume fever by inhalation. The symptoms are shivering, fever, malaise and muscular pain. Contact with molten polymer can cause thermal burns. Combustion of the coatings can generate toxic and irritating gases.</p> |

3. Composition/information on ingredients

| | |
|-----------------------------|---|
| Composition comments | Complete composition is provided below and may include some components classified as non-hazardous. |
|-----------------------------|---|

Mixtures

| Chemical name | Common name and synonyms | CAS number | % |
|--|--------------------------|--------------|-----|
| Aluminum (A. Aluminum Face Sheet) | | 7429-90-5 | <60 |
| Magnesium (A. Aluminum Face Sheet) | | 7439-95-4 | <5 |
| Manganese (A. Aluminum Face Sheet) | | 7439-96-5 | <1 |
| Thermoplastic polymer (B. Polymeric Core)* | | Proprietary* | <45 |
| Fire retardant (B. Polymeric Core)* | | Proprietary* | <20 |
| Aramid polymer (B. Polymeric Core)* | | Proprietary* | <5 |
| Resin (C. Coatings) | | Various | <2 |
| Colorant (C. Coatings) | | Various | <1 |

| | |
|-------------------------------|--|
| Additional Information | * - Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret. |
|-------------------------------|--|

4. First-aid measures

| | |
|--------------------|---|
| Eye contact | Dust from processing: Rinse eyes with plenty of water or saline for at least 15 minutes. Consult a physician. |
|--------------------|---|

| | |
|---|---|
| Skin contact | Dust from processing: Wash with soap and water for at least 15 minutes. Get medical attention if irritation develops or persists. Molten polymer: If molten material gets on skin, cool rapidly with cold water. Do not attempt to peel polymer from skin. Get medical treatment for thermal burn. |
| Inhalation | Dust from processing: Remove to fresh air. Check for clear airway, breathing, and presence of pulse. If breathing is difficult, provide oxygen. Loosen any tight clothing on neck or chest. Provide cardiopulmonary resuscitation for persons without pulse or respirations. Consult a physician. |
| Ingestion | Not relevant, due to the form of the product. |
| Most important symptoms/effects, acute and delayed | Dust from mechanical processing: Acute exposure: Irritating to eyes, respiratory system and skin. Chronic overexposures: Can cause lung damage and lung cancer. |

Acute exposure: Heating above the melting point releases metallic oxides which may cause metal fume fever by inhalation. The symptoms are shivering, fever, malaise and muscular pain.
Can cause scarring of the lungs (pulmonary fibrosis). See Section 11 of the SDS for additional information on health hazards.

Medical conditions aggravated by exposure Dust from processing: Asthma, chronic lung disease, Secondary Parkinson's disease and skin rashes.

Indication of immediate medical attention and special treatment needed If breathing is difficult, give oxygen.

5. Fire-fighting measures

Suitable extinguishing media Use Class D extinguishing agents on fines, dust or molten metal.
Use coarse water spray on chips and turnings.

Unsuitable extinguishing media DO NOT USE halogenated extinguishing agents on small chips/fines.
DO NOT USE water in fighting fires around molten metal.
These fire extinguishing agents will react with the burning material.

Specific hazards arising from the chemical May be a potential hazard under the following conditions:
• Dust clouds may be explosive. Even a minor dust cloud can explode violently. Dust accumulation on the floor, ledges and beams can present a risk of ignition, flame propagation and secondary explosions.
• Chips, fines and dust in contact with water can generate flammable/explosive hydrogen gas. These gases could present an explosion hazard in confined or poorly ventilated spaces.
• Dust and fines in contact with certain metal oxides (e.g., rust, copper oxide). A thermite reaction, with considerable heat generation, can be initiated by a weak ignition source.
• Molten metal in contact with water/moisture or certain metal oxides (e.g., rust, copper oxide). Moisture entrapped by molten metal can be explosive. Contact of molten aluminum with certain metal oxides can initiate a thermite reaction. Finely divided metals (e.g., powders or wire) may have enough surface oxide to produce thermite reactions/explosions.

Special protective equipment and precautions for firefighters Firefighters should wear NIOSH approved, positive pressure, self-contained breathing apparatus and full protective clothing when appropriate.

Fire fighting equipment/instructions Use standard fire fighting procedures and consider the hazards of other involved materials.

Use gentle surface application of Class D extinguishing agent or dry inert granular material (e.g., sand) to cover and ring the burning material.

General fire hazards Small chips, fine turnings, and dust from processing may be readily ignitable.

Explosion data

Sensitivity to mechanical impact Not applicable.

Sensitivity to static discharge Take precautionary measures against static discharges when there is a risk of dust explosion.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Avoid contact with sharp edges or heated metal. Use personal protection recommended in Section 8 of the SDS.

Personal precautions, protective equipment and emergency procedures

For emergency responders Avoid contact with sharp edges or heated metal. Use personal protection recommended in Section 8 of the SDS.

Evacuation procedures None necessary.

Methods and materials for containment and cleaning up

Collect scrap for recycling.
If molten: Use dry sand to contain the flow of material. All tooling (e.g., shovels or hand tools) and containers which come in contact with molten metal must be preheated or specially coated, rust free and approved for such use. Allow the spill to cool before remelting as scrap.

Environmental precautions

No special environmental precautions required.

7. Handling and storage

Handling

Avoid generating dust. Avoid contact with sharp edges or heated metal. Hot and cold aluminum are not visually different. Hot aluminum does not necessarily glow red. Use personal protection recommended in Section 8 of the SDS.

Storage

No special storage precautions noted.

Requirements for Processes Which Generate Dusts or Fines

If processing of this product generates dust or if extremely fine particulate is generated, obtain and follow the safety procedures and equipment guides contained in Aluminum Association Bulletin F-1 and National Fire Protection Association (NFPA) Standards listed in Section 16.

Use non-sparking handling equipment, tools and natural bristle brush. Cover and reseal partially empty containers. Provide grounding and bonding where necessary to prevent accumulation of static charges during metal dust handling and transfer operations (See Section 15).

Local ventilation and vacuum systems must be designed to handle explosive dusts. Dry vacuums and electrostatic precipitators must not be used, unless specifically approved for use with flammable/explosive dusts. Dust collection systems must be dedicated to aluminum dust only and should be clearly labeled as such. Do not co-mingle fines of aluminum with fines of iron, iron oxide (rust) or other metal oxides.

Do not allow chips, fines or dust to contact water, particularly in enclosed areas.

Good housekeeping practices must be maintained. Do not use compressed air to remove settled material from floors, beams or equipment.
Avoid all ignition sources.

Requirements for Remelting of Scrap Material or Ingot

Molten metal and water can be an explosive combination. The risk is greatest when there is sufficient molten metal to entrap or seal off the water. Water and other forms of contamination on or contained in scrap or remelt ingot are known to have caused explosions in melting operations. While the products may have minimal surface roughness and internal voids, there remains the possibility of moisture contamination or entrapment. If confined, even a few drops of water can lead to violent explosions.

All tooling, containers, molds and ladles which come in contact with molten metal must be preheated or specially coated, rust free and approved for such use. Any surfaces that may contact molten metal (e.g., concrete) should be specially coated.

Drops of molten metal in water (e.g. from plasma arc cutting), while not normally an explosion hazard, can generate enough flammable hydrogen gas to present an explosion hazard. Vigorous circulation of the water and removal of the particles minimize the hazards.

During melting operations, the following minimum guidelines should be observed:

- Inspect all materials prior to furnace charging and completely remove surface contamination such as water, ice, snow, deposits of grease and oil or other surface contamination resulting from weather exposure, shipment, or storage.
- Store materials in dry, heated areas with any cracks or cavities pointed downwards.
- Preheat and dry large items adequately before charging into a furnace containing molten metal. This is typically done by use of a drying oven or homogenizing furnace. The drying cycle should bring the metal temperature of the coldest item of the batch to 400°F (200°C) and then hold at that temperature for 6 hours.

Thermite explosions have been reported when aluminum alloys were melted in furnaces used for alloying with lead, bismuth or other metals with low melting temperatures. These metals, when added as high purity ingots, can seep through cracks in furnace liners and become oxidized. During subsequent melts in the furnace, molten aluminum can contact these metal oxides resulting in a thermite explosion.

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components | Type | Value | Form |
|--------------------------|------|----------|----------------------|
| Aluminum (CAS 7429-90-5) | PEL | 5 mg/m3 | Respirable fraction. |
| | | 15 mg/m3 | Total dust. |

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components | Type | Value | Form |
|---------------------------|---------|---------|-------|
| Manganese (CAS 7439-96-5) | Ceiling | 5 mg/m3 | Fume. |

US. OSHA Table Z-3 (29 CFR 1910.1000)

| Components | Type | Value | Form |
|--------------------------|------|---|--|
| Aluminum (CAS 7429-90-5) | TWA | 5 mg/m3 15 mg/m3 | Respirable fraction. Total dust. |
| Fire retardant | TWA | 5 mg/m3 15 mg/m3 | Respirable fraction. Total dust. |
| Thermoplastic polymer | TWA | 5 mg/m3 15 mg/m3 50 mppcf 15 mppcf | Respirable fraction. Total dust. Total dust. Respirable fraction. |

US. ACGIH Threshold Limit Values

| Components | Type | Value | Form |
|---------------------------|------|------------|----------------------|
| Aluminum (CAS 7429-90-5) | TWA | 1 mg/m3 | Respirable fraction. |
| Fire retardant | TWA | 1 mg/m3 | Respirable fraction. |
| Manganese (CAS 7439-96-5) | TWA | 0.1 mg/m3 | Inhalable fraction. |
| | | 0.02 mg/m3 | Respirable fraction. |

| | |
|--|--|
| General | Personnel who handle and work with molten metal should utilize primary protective clothing like polycarbonate face shields, fire resistant tapper's jackets, neck shades (snoods), leggings, spats and similar equipment to prevent burn injuries. In addition to primary protection, secondary or day-to-day work clothing that is fire resistant and sheds metal splash is recommended for use with molten metal. Synthetic materials should never be worn even as secondary clothing (undergarments). |
| Appropriate engineering controls | If dust is generated through processing: Use with adequate explosion-proof ventilation designed to handle particulates to meet the limits listed in Section 8, Exposure Guidelines. |
| Individual protection measures, such as personal protective equipment | |
| Eye/face protection | Safety glasses with full side shields or goggles recommended. If molten: Goggles/face shield are recommended. |
| Skin protection | |
| Hand protection | Avoid contact with sharp edges. Wear protective gloves. |
| Other | The need for personal protective equipment should be based upon a hazard assessment; and recommendations from health / safety professionals. |
| Respiratory protection | Use NIOSH-approved respiratory protection as specified by an Industrial Hygienist or other qualified professional if concentrations exceed the limits listed in Section 8. Dust from processing: Suggested respiratory protection: N100. |
| Thermal hazards | When material is heated, wear gloves to protect against thermal burns. Hot aluminum does not necessarily glow red. Contact with molten material can cause thermal burns. Flame retardant protective clothing is recommended. |
| General hygiene considerations | Handle in accordance with good industrial hygiene and safety practice. Wash hands after handling and before eating. |
| Control parameters | Follow standard monitoring procedures. |
| Environmental exposure controls | Do not allow to enter drains, sewers or watercourses. |

9. Physical and chemical properties**Appearance**

| | |
|-----------------------|-----------------|
| Physical state | Solid. |
| Form | Solid, panels. |
| Color | Various colors. |

| | |
|-------------|----------|
| Odor | Odorless |
|-------------|----------|

| | |
|---|---|
| Odor threshold | Not applicable |
| pH | Not applicable |
| Melting point/freezing point | 896 - 1220 °F (480 - 660 °C) Aluminum; Polymer ~220°F (~104°C) |
| Initial boiling point and boiling range | Not determined |
| Flash point | Not applicable |
| Evaporation rate | Not applicable |
| Flammability (solid, gas) | Not available. |
| Upper/lower flammability or explosive limits | |
| Flammability limit - lower (%) | Not applicable |
| Flammability limit - upper (%) | Not applicable |
| Explosive limit - lower (%) | Not applicable |
| Explosive limit - upper (%) | Not applicable |
| Vapor pressure | Not applicable |
| Vapor density | Not applicable |
| Relative density | Not determined |
| Solubility(ies) | |
| Solubility (water) | Insoluble |
| Partition coefficient (n-octanol/water) | Not applicable. Not applicable |
| Auto-ignition temperature | Not determined |
| Decomposition temperature | Not determined |
| Viscosity | Not applicable |
| Other information | |
| Bulk density | Not determined |
| Density | 1.10 - 2.27 g/cm ³ (0.040 - 0.082 lb/in ³) |
| Dust explosion properties | |
| K_{st} | > 300 Nonshperical particulates |
| St class | Very strong explosion. |
| Explosive limit | Not applicable |
| Explosive properties | Dust clouds may be explosive under certain conditions. |
| Explosivity | Not applicable |
| Oxidizing properties | Not applicable |
| VOC | CARB Not applicable |

10. Stability and reactivity

| | |
|---|--|
| Reactivity | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| Chemical stability | Stable under normal conditions of use, storage, and transportation. |
| Possibility of hazardous reactions | Hazardous polymerization does not occur. |
| Conditions to avoid | Chips, fines, dust and molten metal are considerably more reactive with the following: <ul style="list-style-type: none"> • Heat: Oxidizes at a rate dependent upon temperature and particle size. • Water: Slowly generates flammable and explosive hydrogen gas and heat. Generation rate is greatly increased with smaller particles (e.g., fines and dusts). Water/aluminum mixtures may be hazardous when confined. |

Incompatible materials

Chips, fines, dust and molten metal are considerably more reactive with the following:

- Strong oxidizers: Violent reaction with considerable heat generation. Can react explosively with nitrates (e.g., ammonium nitrate and fertilizers containing nitrate) when heated or molten.
- Acids and alkalis: Reacts to generate flammable/explosive hydrogen gas. Generation rate is greatly increased with smaller particles (e.g., fines and dusts).
- Halogenated compounds: Many halogenated hydrocarbons, including halogenated fire extinguishing agents, can react violently with finely divided or molten aluminum.
- Iron oxide (rust) and other metal oxides (e.g., copper and lead oxides): A violent thermite reaction generating considerable heat can occur. Reaction with aluminum fines and dusts requires only very weak ignition sources for initiation. Molten aluminum can react violently with iron oxide without external ignition source.
- Iron powder and water: Explosive reaction forming hydrogen gas when heated above 1470°F (800°C).

Hazardous decomposition products

Combustion of the coatings can generate carbon monoxide, carbon dioxide and aldehydes.

11. Toxicological information

Health effects associated with ingredients

The following health effects are not likely to occur unless sawing or cutting generates dust or unless material is heated to melting.

Aramid fibers: Chronic overexposures: Studies with experimental animals by inhalation have found scarring of the lungs (pulmonary fibrosis) and lung tumors.

Aluminum dust/fines and fumes: Low health risk by inhalation. Generally considered to be biologically inert (milling, cutting, grinding).

Fire retardant: Low health risk by inhalation. Generally considered to be biologically inert.

When the paint is dried and cured, the colorants/pigments in this material are bound into the cured resin and will not be released through skin contact or under anticipated conditions of use. However, if the cured material is processed in such a manner (i.e., grinding) that large quantities of fine dusts are generated or the cured material is burned, a potential for exposure to dust containing the colorants/pigments may be created.

Health effects associated with compounds formed during processing

No new/additional compounds are expected to be formed during processing.

Information on likely routes of exposure

Eye contact Dust and fumes from processing: Can cause irritation.

Skin contact Dust and fumes from processing: Can cause irritation. Contact with molten polymer can cause thermal burns.

Inhalation Dust from mechanical processing: Dust from processing: Can cause irritation of the upper respiratory tract. Chronic overexposures: Can cause lung damage and lung cancer.

Ingestion Not likely, due to the form of the product.

Symptoms related to the physical, chemical and toxicological characteristics

Dust and fumes from processing: Acute exposure: Irritating to eyes, respiratory system and skin. Aramid fibers: Chronic overexposures: Studies with experimental animals by inhalation have found scarring of the lungs (pulmonary fibrosis) and lung tumors.

Heating above the melting point releases metallic oxides which may cause metal fume fever by inhalation. The symptoms are shivering, fever, malaise and muscular pain. Contact with molten polymer can cause thermal burns.

Information on toxicological effects

| Components | Species | Test Results |
|--|---|-------------------------------|
| Aluminum (CAS 7429-90-5) | | |
| Acute | | |
| Oral | | |
| LD50 | Rat | > 10000 mg/kg > 2000 mg/kg |
| Acute toxicity | Not classified. Based on available data, the classification criteria are not met. | |
| Skin corrosion/irritation | Non-corrosive. | |
| Serious eye damage/eye irritation | Dust from processing: May irritate eyes. | |

| | |
|---|---|
| Respiratory or skin sensitization | Dust and fume from processing: Not a skin sensitizer. |
| Respiratory sensitization | Not classified. Based on available data, the classification criteria are not met. |
| Skin sensitization | Not classified. Based on available data, the classification criteria are not met. Dust from processing: May cause irritation. |
| Germ cell mutagenicity | Contains no ingredient listed as a mutagen. |
| Neurological effects | Dust and fumes from processing: May cause central nervous system effects. |
| Pre-existing conditions aggravated by exposure | Dust or fume from processing: Asthma, chronic lung disease, and skin rashes. |
| Carcinogenicity | Product as shipped: Based on available data, the classification criteria are not met. Does not present any cancer hazards. Dust from mechanical processing: Contains material which may cause cancer. Aramid fibers: Chronic overexposures: Studies with experimental animals by inhalation have found scarring of the lungs (pulmonary fibrosis) and lung tumors. |
| IARC Monographs. Overall Evaluation of Carcinogenicity | |
| Aramid polymer (CAS Proprietary) | 3 Not classifiable as to carcinogenicity to humans. |
| Thermoplastic polymer (CAS Proprietary) | 3 Not classifiable as to carcinogenicity to humans. |
| OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052) | |
| Not regulated. | |
| US. National Toxicology Program (NTP) Report on Carcinogens | |
| Aramid polymer (CAS Proprietary) | Reasonably Anticipated to be a Human Carcinogen. |
| Reproductive toxicity | Not classified. Based on available data, the classification criteria are not met. |
| Routes of exposure | Inhalation. Eye contact. Skin contact. |
| Specific target organ toxicity - single exposure | Not classified. Based on available data, the classification criteria are not met. |
| Specific target organ toxicity - repeated exposure | Not classified. Based on available data, the classification criteria are not met. Dust and fume from processing: Causes damage to organs (lungs) through prolonged or repeated exposure by inhalation. Causes damage to organs (Central nervous system) through prolonged or repeated exposure by inhalation. |
| Aspiration hazard | Not an aspiration hazard. |
| Chronic effects | Dust and fumes from processing: Can cause scarring of the lungs (pulmonary fibrosis), central nervous system damage, secondary Parkinson's disease and reproductive harm in males. |

12. Ecological information

| Ecotoxicity | Not expected to be harmful to aquatic organisms. | | |
|--------------------------------------|---|----------------------------|-------------------|
| Components | Species | | Test Results |
| Manganese (CAS 7439-96-5) | | | |
| Aquatic | | | |
| Crustacea | EC50 | Water flea (Daphnia magna) | 40 mg/l, 48 hours |
| Persistence and degradability | The product contains inorganic compounds which are not biodegradable. | | |
| Bioaccumulative potential | Will not bio-accumulate. | | |
| Mobility in soil | Not considered mobile. | | |
| Mobility in general | Not applicable. | | |
| Other adverse effects | None known. | | |

13. Disposal considerations

| | |
|--|---|
| Disposal instructions | Reuse or recycle material whenever possible. If reuse or recycling is not possible, disposal must be made according to local or governmental regulations. |
| Waste codes | RCRA Status: Not federally regulated in the U.S. if disposed of "as is." RCRA waste codes other than described here may apply depending on use of the product. Status must be determined at the point of waste generation. Refer to 40 CFR 261 or state equivalent in the U.S. |
| Waste from residues / unused products | If reuse or recycling is not possible, disposal must be made according to local or governmental regulations. Dispose of in accordance with local regulations. |
| Contaminated packaging | Dispose of in accordance with local regulations. |

14. Transport information

General Shipping Information

Basic Shipping Information

| | |
|----------------------|---------------|
| ID number | - |
| Proper shipping name | Not regulated |
| Hazard class | - |
| Packing group | - |

General Shipping Notes

- When "Not regulated", enter the proper freight classification, SDS Number and Product Name onto the shipping paperwork.

Disclaimer

This section provides basic classification information and, where relevant, information with respect to specific modal regulations, environmental hazards and special precautions. Otherwise, it is presumed that the information is not available/not relevant

15. Regulatory information

US federal regulations

All electrical equipment must be suitable for use in hazardous atmospheres involving aluminum powder in accordance with 29 CFR 1910.307. The National Electrical Code, NFPA 70, contains guidelines for determining the type and design of equipment and installation which will meet this requirement.

In reference to Title VI of the Clean Air Act of 1990, this material does not contain nor was it manufactured using ozone-depleting chemicals.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

| | |
|---------------------------|---------|
| Manganese (CAS 7439-96-5) | Listed. |
|---------------------------|---------|

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

| | | |
|--|-------------------------|---|
| Section 311/312 hazard categories | Immediate Hazard - Yes | If particulates/fumes generated during processing |
| | Delayed Hazard - Yes | If particulates/fumes generated during processing |
| | Fire Hazard - No | |
| | Pressure Hazard - No | |
| | Reactivity Hazard - Yes | If molten |

SARA 302 Extremely hazardous substance

Not listed.

| | |
|--|-------------|
| SARA 311/312 Hazardous chemical | No (Exempt) |
|--|-------------|

SARA 313 (TRI reporting)

| Chemical name | CAS number | % by wt. |
|---------------|------------|----------|
| Aluminum | 7429-90-5 | <60 |
| Manganese | 7439-96-5 | <1 |

CERCLA (Superfund) reportable quantity, lbs

Not listed.

US state regulations

US. California Proposition 65

California Proposition 65 - CRT: Listed date/Carcinogenic substance

| | |
|----------------------------------|----------------------|
| Aramid polymer (CAS Proprietary) | Listed: July 1, 1990 |
|----------------------------------|----------------------|

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

| |
|----------------------------------|
| Aluminum (CAS 7429-90-5) |
| Aramid polymer (CAS Proprietary) |
| Manganese (CAS 7439-96-5) |

US state regulations

WARNING: This product contains a chemical known to the State of California to cause cancer.

International Inventories

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia | Australian Inventory of Chemical Substances (AICS) | Yes |
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | Yes |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | No |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | No |
| Korea | Existing Chemicals List (ECL) | Yes |
| New Zealand | New Zealand Inventory | Yes |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | No |
| Taiwan | Taiwan Toxic Chemical Substances (TCS) | Yes |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

| | |
|-----------------------------|---|
| SDS Status | February 14, 2018: Change(s) in Section: 1, 2, 4, 5, 8, 11 and 16. December 22, 2016: Change(s) in Section: 1, 2, 11 and 16. December 2, 2015: New format. November 12, 2014: Change(s) in Section: 1, 2, 6, 7, 8, 9, 11, 15 and 16. March 22, 2011 (SWE): Change(s) in Section: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 and 16. May 18, 2011: Change(s) in Section: 2, 3, 8, 10, 11, 12 and 13. April 25, 2011: New format. January 25, 2008: New SDS. Hazardous Materials Control Committee +1-412-553-4649 Origination date: January 25, 2008 |
| Revision date | February 14, 2018 |
| Version # | 07 |
| Revision information | This document has undergone significant changes and should be reviewed in its entirety. |
| Disclaimer | The information in the sheet was written based on the best knowledge and experience currently available. |

Other information

- Guide to Occupational Exposure Values 2016, Compiled by the American Conference of Governmental Industrial Hygienists (ACGIH).
- NIOSH Pocket Guide to Chemical Hazards, U.S. Department of Health and Human Services, September 2007.
- expub, Expert Publishing, LLC., www.expub.com,
- Ariel, Verisk 3E Company, www.Verisk3Ecompany.com
- Aluminum Association's Bulletin F-1, "Guidelines for Handling Aluminum Fines Generated During Various Aluminum Fabricating Operations." The Aluminum Association, 1525 Wilson Boulevard, Suite 600, Arlington, Virginia 22209, www.aluminum.org.
- Aluminum Association, "Guidelines for Handling Molten Aluminum, The Aluminum Association, 1525 Wilson Boulevard, Suite 600, Arlington, Virginia 22209, www.aluminum.org.
- NFPA 484, Standard for Combustible Metals (NFPA phone: 800-344-3555)
- NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids
- NFPA 70, Standard for National Electrical Code (Electrical Equipment, Grounding and Bonding)
- NFPA 77, Standard for Static Electricity

Key/Legend:

| | |
|--------|---|
| ACGIH | American Conference of Governmental Industrial Hygienists |
| AICS | Australian Inventory of Chemical Substances |
| CAS | Chemical Abstract Services |
| CERCLA | Comprehensive Environmental Response, Compensation, and Liability Act |
| CFR | Code of Federal Regulations |
| CPR | Cardio-pulmonary Resuscitation |
| DOT | Department of Transportation |
| DSL | Domestic Substances List (Canada) |
| EC | Effective Concentration |
| ED | Effective Dose |
| EINECS | European Inventory of Existing Commercial Chemical Substances |
| ENCS | Japan - Existing and New Chemical Substances |
| EWG | European Waste Catalogue |
| EPA | Environmental Protective Agency |
| IARC | International Agency for Research on Cancer |
| LC | Lethal Concentration |
| LD | Lethal Dose |
| MAK | Maximum Workplace Concentration (Germany) "maximale Arbeitsplatz-Konzentration" |
| NDSL | Non-Domestic Substances List (Canada) |
| NIOSH | National Institute for Occupational Safety and Health |
| NTP | National Toxicology Program |
| OEL | Occupational Exposure Limit |
| OSHA | Occupational Safety and Health Administration |
| PIN | Product Identification Number |
| PMCC | Pensky Marten Closed Cup |
| RCRA | Resource Conservation and Recovery Act |
| SARA | Superfund Amendments and Reauthorization Act |
| SIMDUT | Système d'Information sur les Matières Dangereuses Utilisées au Travail |
| STEL | Short Term Exposure Limit |
| TCLP | Toxic Chemicals Leachate Program |
| TDG | Transportation of Dangerous Goods |
| TLV | Threshold Limit Value |
| TSCA | Toxic Substances Control Act |
| TWA | Time Weighted Average |
| WHMIS | Workplace Hazardous Materials Information System |
| m | meter, cm centimeter, mm millimeter, in inch, |
| g | gram, kg kilogram, lb pound, µg microgram, |
| ppm | parts per million, ft feet |

*** End of SDS ***



Warning

Hazard statement

Suspected of causing cancer by inhalation. May form combustible dust concentrations in air.

Precautionary statement

Prevention

Wear protective gloves and eye/face protection. Avoid breathing dust. In case of inadequate ventilation wear respiratory protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Response

If exposed or if you feel unwell: Get medical advice/attention.

Storage

Not applicable.

Disposal

Not applicable.

Supplemental information

Small chips, fine turnings and dust from processing may be readily ignitable.

Explosion/fire hazards may be present when:

- Dust or fines are dispersed in air.
- Chips, dust or fines are in contact with water.
- Dust and fines are in contact with certain metal oxides (e.g., rust, copper oxide).
- Molten metal in contact with water/moisture or certain metal oxides (e.g., rust, copper oxide).

Dust from processing: Can cause irritation of the eyes, skin and upper respiratory tract.

Chronic overexposure: Can cause lung damage and lung cancer. Contact with molten polymer can cause thermal burns. Combustion of the coatings can generate toxic and irritating gases.

FIRE FIGHTING MEASURES: Use Class D extinguishing agents on fines, dust or molten metal. Use coarse water spray on chips and turnings.

DO NOT USE halogenated extinguishing agents on small chips, dust, fines or particulate. DO NOT USE water in fighting fires around molten metal. These fire extinguishing agents will react with the burning material.

IN CASE OF SPILL: Collect scrap for recycling.

See Arconic SDS Number 1426.



ARCONIC

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