

1 WALL SECTION-EAST SIDE (WEST SIM AT 2ND)

2 WALL SECTION-NORTH SIDE (SOUTH SIM AT 2ND)

NO. DATE 10-1-22 10-1-22	DESCRIPTION REVISED REVISED	DRAWN BY JMA	FACILITY/CLIENT JMA
<p>PROJECT CONGRESS RENOVATION APARTMENT ADDITION</p>			
<p>9704 KRESS ROAD PINCKNEY, MI 48169</p>			
<p>MOVUS 10000 WOODBURN ANN ARBOR, MI 48106 TEL: 734.963.8200 WWW.MOVUS.COM</p>			
<p>ENGINEERING GROUP ANN ARBOR, MI 48106 TEL: 734.963.8200 WWW.MOVUS.COM</p>			
<p>SHEET TITLE WALL SECTIONS</p>			
<p>SHEET NO. A-3.2</p>			



Prepared for:  
Tom Keller  
Huron Valley Electric

Job Name:  
9704 Kress Road

Scale: as noted  
Date: 12/12/2022

Filename: 9704\_Kress\_Road.AGI  
Drawn By: Ray McDonough

The following disclaimer is provided for your information. It is intended to provide a general overview of the services provided by McDonough & Associates, Inc. and does not constitute a contract. The actual terms and conditions of any project are set forth in the contract documents. McDonough & Associates, Inc. is not responsible for any errors or omissions in this drawing. The user of this drawing is advised to verify all information and dimensions shown on this drawing with the field engineer or surveyor. McDonough & Associates, Inc. is not responsible for any damage or injury resulting from the use of this drawing. McDonough & Associates, Inc. is not responsible for any damage or injury resulting from the use of this drawing.





Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Description
CalcPs_1	Illuminance	Fc	2.75	19.4	0.1	
						Avg/Min 27.50 Max/Min 194.00

Luminaire Schedule										
Symbol	Qty	Label	Arrangement	Lum. Lumens	LLF	Description	Lum. Watts	Arr. Watts	Total Watts	Filename
☐	2	WP2FA60_4K	Single	7780	1.000	WP2FA60_4K	58.42	58.42	116.84	WP2FA60_4K.ies
☐	2	SLIM37N - Neutral -	Single	3873	1.000	SLIM37N	34.6	34.6	69.2	SLIM37N - Neutral - RAB02670.IES
		RAB02670								

Expanded Luminaire Location Summary										
LumNo	Label	X	Y	MTG HT	Orient	Tilt	Total Watts	Filename	Meter Type	
1	SLIM37N - Neutral -	285	184	10	330	0	69.2	SLIM37N - Neutral - RAB02670.IES	Horizontal	
3	RAB02670									
4	WP2FA60_4K 243									
5	SLIM37N - Neutral -	286	147	10	330	0	69.2	SLIM37N - Neutral - RAB02670.IES	Horizontal	
Total Quantity: 4										

- NOTES
- The light loss factor (LLF) is a product of many variables, only lamp lumen depreciation (LLD) has been applied to the calculated results unless otherwise noted. The LLF is the result (quotient) of mean lumens / initial lumens per lamp manufacturer's specifications.
  - Illumination values shown (in footcandles) are the predicted results for planes of calculation either horizontal, vertical or inclined as designated in the calculation summary. Meter orientation is normal to the plane of calculation.
  - The calculated results of this lighting simulation represent an anticipated prediction of system performance; actual measured results may vary from the anticipated performance and are subject to means and methods which are beyond the control of "YOUR COMPANY".
  - Mounting height determination is job site specific, our lighting simulations assume a mounting height (insertion point of the luminaire symbol) to be taken at the top of the symbol for ceiling mounted luminaires and at the bottom of the symbol for all other luminaire mounting configurations.
  - "YOUR COMPANY" luminaire and product designs are protected under U.S. and International intellectual property laws. Patents issued or pending apply.



**McDonough & Associates**

Prepared For:

Tom Kirell  
Huron Valley Electric

Job Name:

9704 Kress Road

Scale: N.T.S.

Date: 12/21/2022

Filename: 9704 Kress Road.AGI

Drawn By: Ray McDonough

File Path: C:\Users\RayMcDonough\OneDrive - MCDONOUGH & ASSOCIATES\Documents\AGI\9704 Kress Road.AGI

File Name: 9704 Kress Road.AGI

Drawn By: Ray McDonough





Color: Bronze

Weight: 7.9 lbs

Project:

Type:

Prepared By:

Date:

**Driver Info**

Type	Constant Current
120V	0.50A
208V	0.30A
240V	0.28A
277V	0.25A
Input Watts 57.8/58.4/59W	

**LED Info**

Watts	60W
Color Temp	3000K/4000K/5000K
Color Accuracy	80 CRI
L70 Lifespan	100,000 Hours
Lumens	7780/8583/8084 lm
Efficacy	134.7/146.9/136.9 lm/W

**Technical Specifications**

**Field Adjustability**

**Field Adjustable:**

Color temperature selectable by 3000K, 4000K and 5000K

**Compliance**

**UL Listed:**

Suitable for wet locations

**IESNA LM-79 & LM-80 Testing:**

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80

**IP Rating:**

Ingress protection rating of IP65 for dust and water

**DLC Listed:**

This product is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.

DLC Product Code: PLOGNPP3AB7A

**Performance**

**Lifespan:**

100,000-Hour LED lifespan based on IES LM-80 results and TM-21 calculations

**Wattage Equivalency:**

Equivalent to 250W Metal Halide

**LED Characteristics**

**LEDs:**

Long-life, high-efficiency, surface-mount LEDs

**Electrical**

**Driver:**

Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.50A, 208V: 0.30A, 240V: 0.28A, 277V: 0.25A

**Dimming Driver:**

Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 10%.

**Photocell:**

120-277V selectable photocell that can be turned on and off.

**Construction**

**Cold Weather Starting:**

The minimum starting temperature is -40°C (-40°F)

**Maximum Ambient Temperature:**

Suitable for use in up to 50°C (122°F)

**Housing:**

Die-cast aluminum

Technical Specifications (continued)

Construction

Lens:

Tempered glass

Finish:

Formulated for high durability and long-lasting color

Green Technology:

Mercury and UV free. RoHS-compliant components.

Other

Note:

All values are typical (tolerance +/- 10%)

5 Yr Limited Warranty:

The RAB 5-year, limited warranty covers light output, driver performance and paint finish. RAB's warranty is subject to all terms and conditions found at [rablighting.com/warranty](http://rablighting.com/warranty).

Buy American Act Compliance:

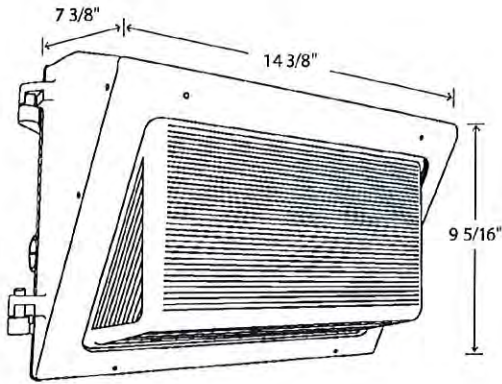
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Installation

Mounting:

Wall mount

Dimensions



Features

- DLC Premium listed
- IP65 Rated
- 100,000-Hour LED lifespan
- 5-Year, limited warranty

Ordering Matrix

Family	Wattage	Color Temp	Finish	Voltage/Driver	Options
WP2FA	60	Blank = 5000K/4000K/3000K	Blank = Bronze	Blank = 120-277V, 0-10V Dimming	Blank = Selectable Photocell /LC = Lightcloud® Controller
	29 = 29W				
	40 = 40W				
	60 = 60W				
	80 = 80W				



Project:

Type:

Prepared By:

Date:

37, 57 and 62 Watt SLIM Wall packs are designed to cover the footprint of most traditional wall packs. They are suitable for mounting heights from 20' to 30', and replace HID Wattages from 200W MH to 320W MH. These ultra-high efficiency fixtures are available in cutoff or full cutoff models.

Color: Bronze

Weight: 8.3 lbs

**Driver Info**

Type	Constant Current
120V	0.31A
208V	0.19A
240V	0.16A
277V	0.14A
Input Watts	34.6W

**LED Info**

Watts	37W
Color Temp	4000K (Neutral)
Color Accuracy	73 CRI
L70 Lifespan	100,000 Hours
Lumens	3,873 lm
Efficacy	111.9 lm/W

**Technical Specifications**

**Compliance**

**UL Listed:**

Suitable for Wet Locations. Wall Mount Only.

**IP Rating:**

Ingress protection rating of IP66 for dust and water

**IESNA LM-79 & LM-80 Testing:**

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

**DLC Listed:**

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.  
DLC Product Code: P9BJASW7

**Construction**

**Footprint:**

Designed to replace RAB HID WP1 wall packs, both in size and footprint template, so upgrading to LED is easy and seamless

**Cold Weather Starting:**

The minimum starting temperature is -40°C (-40°F)

**Maximum Ambient Temperature:**

Suitable for use in up to 40°C (104°F)

**Housing:**

Precision die-cast aluminum housing and door frame

**Mounting:**

Die-cast back box with four (4) conduit entry points and knockout pattern for junction box or direct wall mounting. Hinged housing and bubble level for easy installation.

**Cutoff:**

Cutoff (10°)

**Recommended Mounting Height:**

Up to 20 ft

**Lens:**

Microprismatic diffusion glass lens reduces glare and has smooth and even light distribution

**Reflector:**

Specular thermoplastic

**Gaskets:**

The unique design of the tight-lock gasket ensures no water or environmental elements will ever get inside the SLIM

**Technical Specifications (continued)**

**Construction**

**Finish:**

Formulated for high durability and long-lasting color

**Green Technology:**

Mercury and UV free. RoHS-compliant components.

**LED Characteristics**

**LED:**

Long-life, high-efficiency, micro-power, surface mount LEDs; binned and mixed for uniform light output and color

**Color Stability:**

LED color temperature is warranted to shift no more than 200K in color temperature over a 5-year period

**Color Consistency:**

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

**Performance**

**Lifespan:**

100,000-Hour LED lifespan based on IES LM-80 results and TM-21 calculations

**Wattage Equivalency:**

Equivalent to 150W Metal Halide

**Other**

**Accessories:**

Available accessories include polysield and wire guard. Click [here](#) to see all accessories.

**Patents:**

The design of the SLIM™ is protected by patents pending in US, Canada, China, Taiwan and Mexico

**HID Replacement Range:**

Replaces 200W Metal Halide

**Trade Agreements Act Compliant:**

This product is a product of Cambodia and a "designated country" end product that complies with the Trade Agreements Act

**Buy American Act Compliance:**

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

**Optical**

**BUG Rating:**

B1 U2 G1

**Electrical**

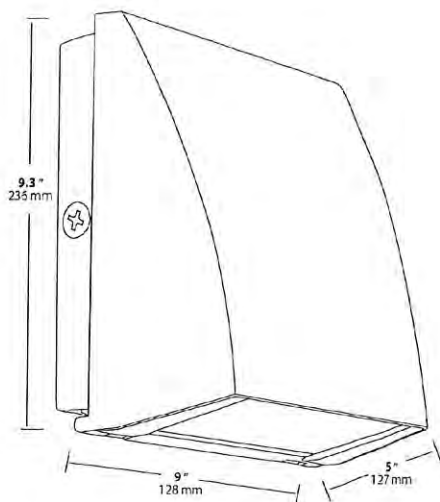
**Driver:**

Constant Current, 100-277V. 50/60Hz, 100-277VAC 0.6A, 4kV Surge Protection, 700mA, Power Factor 99.4%.

**THD:**

22.1% at 347V

**Dimensions**



**Features**

- Covers footprint of most traditional wall packs
- Easy installation with hinged access, bubble level and multiple conduit entries
- Tight-lock gasket keeps elements out
- 100,000-hour LED lifespan
- 5-Year, No-Compromise Warranty

## Ordering Matrix

Family	Cutoff	Wattage	Color Temp	Finish	Driver Options	Options	Other Options
SLIM		37	N				
	Blank = Cutoff (10 degrees) FC = Full Cutoff (0 degrees)	37 = 37W 57 = 57W 62 = 62W	Blank = 5000K Cool N = 4000K Neutral Y = 3000K Warm	Blank = Bronze W = White	Blank = Standard (120-277V) /BL = Bi-Level /D10 = Dimmable /480 = 480V	Blank = No Option /PC = 120V Button Photocell /PC2 = 277V Button Photocell /PCS = 120V Swivel Photocell /PCS2 = 277V Swivel Photocell /LC = Lightcloud* Controller	USA = BAA Compliant Blank = Standard





PSUP# 22-0003

\$2,250.00

P.O. Box 157  
10405 Merrill Road  
Hamburg, Michigan 48139

FAX 810-231-4295  
PHONE 810-231-1000

HAMBURG TOWNSHIP

Date 12/20/22 3:20:00 PM  
OFF ESCROW 22-000003  
Receipt 128219  
Amount \$2,250.00

\$2,250

### Special Use Permit Application (FEE \$750+\$1,500 Escrow Review)

Please note: All required information, copies, fees, and other materials as appropriate must be submitted and complete before the Township Planning Commission will set a public hearing date on the Special Use Permit Application.

The undersigned hereby makes application for a Special Use Permit for:

Proposed Use:

Add 2nd story Residential above existing Commercial Space

To be located at:

9704 Kress Rd

Tax Parcel ID Number: 15-21-405-016

By signing this Special Use Application, I/we hereby certify and agree that all use for which this application is made will conform to the date and information submitted with this application and all ordinances affecting Hamburg Township, Livingston County, Michigan.

I/we further agree that any deviation from the date submitted or the breach of any additional safeguards, conditions or requirements the Hamburg Township Planning Commission may impose in granting this permit shall constitute a violation of the Ordinance and invalidate the permit granted.

Owner: D+G Real Estates LLC

Address: 319 E. Michigan Ave  
Saline MI, 48176

Phone: 734 216-2366

Signature: *[Signature]* Date: 12/15/22

Designer: Monus Inc

Address: 106 S. Main St Ann Arbor, MI 48104

Phone: 734 998-0098

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Basis for Determination

Please supply any supporting evidence and/or details as may be appropriate when answering each question. Use extra sheets if necessary.

1. Will the special use be harmonious with and in accordance with the general or any specific objectives of the Hamburg Township Master Plan?  Yes [ ] No

If no detail variations from the Master Plan:

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2. Will the special use be designed, constructed, operated and maintained so as to be harmonious and appropriate in appearance with the existing or intended character of the general vicinity?  Yes [ ] No

If no please detail your answer:

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Will this special use change this character of the area? [ ] Yes  No

If yes state how the area's character would be changed:

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3. Will the special use be hazardous or disturbing to existing or future nearby uses? [ ] Yes  No

If yes state how this special use would be hazardous or disturbing:

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4. Will the special use be an improvement in relation to property in the immediate vicinity and to the community as a whole? (Please give details supporting your answer.)  Yes [ ] No

Area is mostly Residential

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5. Will the special use be served adequately by essential public facilities and services?  Yes [ ] No

If no what persons or agencies responsible for the establishment of the proposed use will provide adequately any such services or facility? (Give responsible party and service to be provided by each party.)

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6. Will the special use create excessive additional requirements at public cost? [ ] Yes [X] No If yes please state what additional requirements will be needed:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

How will the special use affect the economic welfare of this Township?

*Increase of Property Taxes for Parcel*

\_\_\_\_\_  
\_\_\_\_\_

7. Will this special use be consistent with the intent and purposes of the Hamburg Township Zoning Ordinance?

[ ] Yes [ ] No

If no please state reasons:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**For Office Use Only**

Date of public hearing set by the Hamburg Township Planning Commission: \_\_\_\_\_

This Special Use Permit was:

[ ] Denied by the Hamburg Township Planning Commission for the following reason (s):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

[ ] Approved by the Hamburg Township Planning Commission on: \_\_\_\_\_

Special Conditions:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
Jeff Muck  
Planning Commission Chairman



PSPA # 22-0006  
\$3,500

P.O. Box 157  
10405 Merrill Road  
Hamburg, Michigan 48139

HAMBURG TOWNSHIP

12/20/2022 3:20:00 PM  
FAX 810-231-4295  
PHONE 810-231-1000  
ESCROW 22100000003  
Receipt 128223  
Amount \$3500

## SITE PLAN APPROVAL APPLICATION

Please note: All required information, copies, fees, and other materials as appropriate must be submitted and complete before the Township Planning Commission will set a public hearing date on the Site Plan Approval Application.

Application fees and review fees are required at the time of application.

In the case of separate applications for Preliminary and Final reviews, separate application and review fees shall be collected. Review fees shall be placed into a non-interest bearing escrow account. Upon final review, review fee balances shall be returned upon receipt of final billing. The applicant shall be responsible for all costs incurred.

Note: Acreage calculations based upon the acreage being developed or utilized for the project (parking, buildings, walks, storm water retention etc.)

The undersigned hereby makes application for a Site Plan Approval for: (Check all that apply)

1. **TYPE OF PROJECT:**  Open Space  Echo  Residential  Condominium  
 Apartments  Commercial  Industrial  PUD  Hardship PUD

2. **TYPE OF APPLICATION:**  Preliminary Site Plan  Optional Conceptual Site Plan Review by Planning Commission  
 Final Site Plan  Combined - Preliminary/Final Site Plan  
 Minor Site Plan  Site Plan Amendment (less than 25% area of site being changed)  Site Plan Amendment (26% or more or site being changed)

3. **PROJECT NAME:** Kress Rd Submittal Date: 12/15/22

4. **PROJECT ADDRESS:** 9704 Kress Rd

Tax Code Numbers: 15 - 21-405-016 15 - \_\_\_\_\_ 15 - \_\_\_\_\_  
15 - \_\_\_\_\_ 15 - \_\_\_\_\_ 15 - \_\_\_\_\_

Metes & Bounds Parcel  Subdivision \_\_\_\_\_ Lot Numbers: \_\_\_\_\_

Zoning District Classification: \_\_\_\_\_ Floodplain Classification: \_\_\_\_\_

Number of Lots Proposed: \_\_\_\_\_ Acreage of Project: \_\_\_\_\_

5. **PROJECT DESCRIPTION:** Add 2nd Floor Residential above existing structure + Add Parking Lot

6. OWNER/PROPRIETOR INFORMATION:

Name: D+G Real Estates LLC Phone Number(s): 734 216-2366  
Email: DGwoods@aol.com Address: 319 E. Michigan Ave  
City: Saline State: Mi Zip: 48176

7. APPLICANT:

Name: Dave Woollery Phone Number(s): 734 216-2366  
Email: Same Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

8. DESIGNER INFORMATION:

Name: Mamus Inc Phone Number(s): 734 998-0098  
Email: todd@mamusinc.com Address: 106 S. Main St  
City: Ann Arbor State: Mi Zip: 48104

9. SPECIAL USE PERMIT:

Is a Special Use Permit required for this project?  No  Yes  
IF YES, Attach Special Use Permit Application Form with this site plan review application form

APPLICANT CERTIFICATION:

I hereby certify that all structures and uses for which this application is made shall conform to the Ordinances of Hamburg Township, Livingston County and the State of Michigan. All information submitted as a part of the site plan application is to my knowledge accurate. If the information is determined either now or in the future to be inaccurate any permits granted for the incorrect information shall be void and any structures built or uses approved may be in violation of the required ordinances and must otherwise be brought into compliance with all regulations.

I further agree that any deviation from the plans submitted or the breach of any additional safeguards, conditions or requirements the Hamburg Township may impose in granting this application shall constitute a violation of the Ordinance and invalidate the permit granted.

PROPERTY OWNERS SIGNATURE: *[Signature]* DATE: 12/15/22

\*If an agent submits the project to the Township for the property owner a letter authorizing must be submitted.



# LIVINGSTON COUNTY ROAD COMMISSION LAND SPLIT / SIGHT DISTANCE REVIEW

**\*\* NOTE: THIS IS NOT A  
DRIVEWAY PERMIT\*\***

**Review Number** 2107-004

### Property Owner and Applicant Information

**Owner:** D & G Real Estate LLC  
**Street Address:** 319 E. Michigan Avenue  
**City, State, ZIP:** Saline, MI 48176  
**Day Phone:** (734) 216-2366

**Applicant:**  
**Company:**  
**Address:**  
**City, State:**  
**Applicant Phone:**

### Location

**Township:** Hamburg    **Section** 21    **Roadway On:** Kress Road    **Side of Street:** West  
**Approach Type:** Commercial    **Development:** 9704 Kress Road  
**Speed Limit (if posted):** 35    **Speed Factors (if any):**

<b>Recommended for Approval:</b>  <i>Yes</i>
<b>Date of Review:</b>  4/8/2021
<b>Inspector:</b>  Kim Hiller

### Comments:

The centerline of a commercial approach could be approved at 40 feet north of the south property line (160 feet south of Shangrila Drive). A commercial approach could not be approved off Shangrila Drive due to there not being enough road frontage to meet the minimum offset requirement of 150 feet from the Kress Road and Shangrila Drive intersection. A commercial approach permit and plans will be required for the approach off of Kress Road.

**Inspector:** \_\_\_\_\_

**Field Measurements:** Location of existing property corners from nearest crossroad: 0 and 200 feet South of Shangrila Dr

Parcel	Prop/Emnt Corners	Access Point(s)	Sight Distance Req.		Sight Distance Measured		S.D. Comply	CVA Comply	Neighbor Consent	Approve
			Std	Min	500 North	575 South				
Kress Commercial	0	200	160	400	500 North	575 South	Yes	Yes	No	Yes

\*\* This review is based on the survey/sketch provided to us at the time of application or during the review process. Any changes to property lines or driveway locations after the date of this review will void the review and may prevent approval or permits for any future driveway approaches.