

City of Plymouth Historic District Commission Regular Meeting Agenda

Wednesday, March 3, 2021 - 7:00 p.m.

ONLINE Zoom Meeting

City of Plymouth 201 South Main Street Plymouth, Michigan 48170 www.plymouthmi.gov Phone 734-453-1234 Fax 734-455-1892

Join the Webinar: https://us02web.zoom.us/j/86521802878?pwd=NTNGYk0rSDNzSjZXM0MwV2xYZHIsUT09

Webinar ID: 865 2180 2878

Passcode: 922966

Statement of explanation of the reason why the public body is meeting electronically:

On March 10, 2020 the Governor of the State of Michigan declared a State of Emergency across the State of Michigan under section 1 of Article 5 of the Michigan Constitution of 1963, the Emergency Management Act, 1976 PA 390, as amended, MCL 30.401 – 421, and the Emergency Powers of the Governor Act of 1945, 1945 PA 302, as amended, MCL10.31 – 33. These sections provide the governor with broad powers and duties to cope with dangers to this state or to the people of the state.

As a part of the response to the emergency, the Governor has deemed it reasonable and necessary to temporarily suspend rules and procedures relating to physical presence at meetings and hearings of public bodies and other governmental entities in Michigan. These public bodies and entities must continue to conduct public business during this emergency.

- 1) CALL TO ORDER
- 2) CITIZENS COMMENTS
- 3) APPROVAL OF THE MINUTES
 - a) Approval of the February 3, 2021, Regular Meeting Minutes
- 4) APPROVAL OF THE AGENDA
- 5) **ELECTION OF OFFICERS**
- 6) COMMISSION COMMENTS
- 7) OLD BUSINESS
- 8) **NEW BUSINESS**
 - a. H 21-02: Exterior- lighting & brick color at 271 S. Main, Growth Works
 - b) 2021 Goals-Discussion
- 9) REPORTS AND CORRESPONDENCE
- 10) ADJOURNMENT

<u>Citizen Comments</u> - This section of the agenda allows up to 3 minutes to present information or raise issues regarding items not on the agenda. Upon arising to address the Commission, speakers should first identify themselves by clearly stating their name and address. Comments must be limited to the subject of the item.

Persons with disabilities needing assistance with this should contact the City Clerk's office at 734-453-1234 Monday through Friday from 8:00 a.m. -4:30 p.m., at least 24 hours prior to the meeting. An attempt will be made to make reasonable accommodations.

OBJECTIVES

Support the neighborhoods with high-quality customer service

Engage in collaboration with private entities and surrounding municipalities to implement the Joint Recreation Master Plan

Improve communication with the public across multiple platforms

Maintain a high level of cleanliness throughout the City

Support and host a diverse variety of events that foster community and placemaking

ONE-YEAR TASKS 2021

Restore sports and recreational programs that were halted by COVID-19 as soon as possible

Review and evaluate the special event policy with safety considerations

Address challenges with the Kellogg Park improvements with safety considerations

Move Kellogg Park Fountain project forward

Continue to re-engage service clubs to help enhance parks and public properties

Increase followers by 2,000 on all our communications platforms

Develop an internal and external communications plan

Upgrade City Hall facilities to accommodate remote meetings and remote participation

Continue investigating multi-modal transportation opportunities

Revisit noise ordinance

GOAL II - FINANCIAL STABILITY

OBJECTIVES

Approve balanced budgets that maintain fiscal responsibility

Advocate for increased revenue sharing with the State of Michigan

Encourage and engage in partnerships, both public and private, to share costs of services and equipment

Address the issue of legacy costs

Seek out and implement efficient and effective inter-departmental collaboration

Market our successes to attract new economic and investment opportunities

ONE-YEAR TASKS 2021

Identify mechanisms for funding sources for capital improvement projects

Increase funding to the Public Improvement Fund

Create a potential package for financing emergency structural repairs

Develop a comprehensive asset management plan that includes a review of the equipment fleet

Search out other possible revenue streams through continued association with the CWW and the MML

Develop a financial plan for public safety

Continue to make extra payments towards legacy costs

Monitor outside influences on our revenue sources, including unfunded mandates, the 35th District Court and the PCCS

Negotiate three labor contracts

GOAL III - ECONOMIC VITALITY

OBJECTIVES

Continue to support and improve active, vibrant downtown branding

Support community and economic development projects and initiatives

Support a mix of industrial, commercial and residential development

Reference the Master Plan in economic decision-making

ONE-YEAR TASKS 2021

Complete Saxton's development

Develop municipal parking lot at Saxton's site

Support development of 23 parcels adjacent to the Starkweather School property

Continue to administer the grant and the brownfield plan to support the Pulte project's completion

Finish Redevelopment Ready Community (RRC) certification by the end of 2021

Develop an annual training calendar for the Planning Commission, the Historic District Commission, the Zoning Board of Appeals and the DDA, and identify a funding source

Implement temporary plans to assist businesses in recovery efforts

GOAL IV - SERVICE AND INFRASTRUCTURE

OBJECTIVES

Support administration and staff by providing professional development opportunities, supplying resources, and maintaining a commitment to recruitment, retention, succession planning

Support and deliver safe and responsive emergency services

Maintain a sophisticated and responsive technology to communicate and manage data

Continually record, maintain, update, and improve City infrastructure

ONE-YEAR TASKS 2021

Explore enhanced pedestrian safety opportunities into targeted intersections

Research funding opportunities for ADA compliance at the PCC

Implement 2021 infrastructure program

Continue training for future career development and succession planning

Conduct a traffic study to determine whether to make additional streets one way

Update mapping resources including parcel data, completing 50% by the end of the year

Update/replace current technology to ensure compliance with new regulations, rules, and operating systems

Revisit paid parking





City of Plymouth ITEN Historic District Commission Regular Meeting Minutes Wednesday, February 3, 2021 - 7:00 p.m.

City of Plymouth 201 S. Main Plymouth, Michigan 48170-1637 www.plymouthmi.gov Phone 734-453-1234 Fax 734-455-1892

Hybrid In-Person at 525 Farmer and Virtual via Zoom

1. CALL TO ORDER

a. Chair Colleen Polin called the meeting to order at 7:03 p.m.

Present: Chair Polin, Members Jeremy Borys, Gania Kandalaft, Linda Filipczak, Joshua Mrozowski. John Townsend

Also present: City Commission Liaison Suzi Deal, Community Development Director John Buzuvis

2. CITIZENS COMMENTS

There were no citizen comments.

3. APPROVAL OF THE MEETING MINUTES

Two spelling errors were noted, then Filipczak offered a motion, seconded by Borys, to approve the minutes of the January 6, 2021 meeting. There was a roll call vote.

Yes: Borys, Filipczak, Kandalaft, Mrozowski, Polin, Townsend

MOTION PASSED 6-0

4. APPROVAL OF THE AGENDA

Townsend offered a motion, seconded by Borys, to approve the agenda. There was a roll call vote.

Yes: Borys, Filipczak, Kandalaft, Mrozowski, Polin, Townsend

MOTION PASSED 6-0

5. COMMISSION COMMENTS

There were no commission comments.

6. OLD BUSINESS

H21-01: Exterior modifications at 248 S. Union

Citizen Comments

Dan Herriman, 1142 N. Holbrook, said he supported preservation but thinks the process must not prove too burdensome.

Terry Laginess, 199 N. Main, said his great-grandfather once lived at 248 Union and he supports the restoration project.

Win Schrader, 1345 Park Place, encouraged the HDC to support the project because the entire community benefits when homes are improved upon.

Commissioner Discussion

Commission members discussed the application and expressed that it still lacks the detail they need to see,

in particular, to-scale drawings and final materials selections. Borys left the meeting after the discussion.

Townsend offered a motion, seconded by Kandalaft, to approve the Certificate of Appropriateness for H21-01: 248 S. Union.

Finding of Facts

The project meets the Secretary of Interior Standards for Rehabilitation, numbers 1, 2, 6, 9 and 10. The project meets City of Plymouth Ordinance 1-4.

There was a roll call vote.

No: Filipczak, Kandalaft, Mrozowski, Polin, Townsend

MOTION DENIED 5-0

7. NEW BUSINESS

a. 2021 Goals Discussion

Deal referred Commission members to the City's strategic plan and the one-year tasks that were developed the previous week. She encouraged the group to tie their goals to the City's and to consider how they can help businesses. Commission members expressed support for reviewing the application in order to make it easier for applicants to understand exactly what they need to submit.

8. REPORTS AND CORRESPONDENCE

There were no reports or correspondence.

9. ADJOURNMENT

A motion to adjourn was offered at 8:31 p.m. by Filipczak and seconded by Townsend. There was a roll call vote.

Yes: Filipczak, Kandalaft, Mrozowski, Polin, Townsend

MOTION PASSED 5-0



Historic District Commission 201 S. Main Plymouth, MI 48170 Administrative Review of 271 S. Main Case Number H21-02 Agenda Date: March 3, 2021

Address: 271 S. Main Year Built: 1953

Historical Significance: Non-contributing structure

Proposed Changes: Building addition and storefront alteration – review of lighting and brick colors

Sec. 18-654. - Duties and powers.

(a) It shall be the duty of the historic district commission to review all plans for the construction, addition, alteration, repair, moving, excavation or demolition of structures in the historic district and it shall have the power to pass upon such plans before a permit for such activity can be granted. In reviewing the plans, the commission shall follow the U.S. Secretary of the Interior's standards for rehabilitation and guidelines for rehabilitating historic buildings, as set forth in 36 CFR 67, or their equivalent as approved or established by the state bureau of history of the department of state, and shall also give consideration and significance to:

- (1) The historical or architectural value and significance of the historic resource and its relationship to the historic value of the surrounding area;
- (2) The relationship of the exterior architectural features of such historic resource to the rest of the resources and to the surrounding area;
- (3) The general compatibility of the exterior design, arrangement, texture and materials proposed to be used;
- (4) To any other factor, including aesthetics, which it deems pertinent;
- (5) The proposed major changes to open spaces in a historic district. The HDC shall review plans for major changes to these open spaces, such as the removal of large trees (over 12 inches in diameter as measured four feet above ground) or the making of major contour changes in terrain features. The HDC may use its discretion to decide if proposed changes are major in nature or not.
- (b) The HDC shall review and act upon exterior features of a resource, and shall not review and act upon interior arrangements unless interior work will cause visible changes to the exterior of the historic resource. The HDC shall not disapprove applications except in regard to considerations as set forth in subsection (a) of this section.
- (c) The HDC may delegate the issuance of certificates of appropriateness for specified minor classes of work to its staff, to the inspector of buildings, or to another delegated authority. The HDC shall provide to such delegated authorities specific written standards for issuing the certificates of appropriateness under this subsection. Such delegated authorities shall come before the next regularly scheduled HDC meeting and the HDC shall review the certificates of appropriateness so issued. These reviews are to serve the purpose of keeping the HDC informed as to what certificates of appropriateness for minor work have been issued since the last HDC meeting. On a quarterly basis, the HDC shall review the certificates of appropriateness, if any, issued by the aforesaid delegated authority to determine whether or not the delegated responsibilities should be continued.
- (d) In case of an application for work affecting the appearance of a resource or for the alteration, moving or demolition of a resource which the commission deems so valuable to the city that the loss thereof will adversely affect the public purpose of the city, the historic district commission shall endeavor to work out with the owner an economically feasible plan for preservation of the historic resource.

Application Review

Prop	osed siding replacement			
Plea	se include the following applicable information	YES	NO	N/A
1.	Completed application	[X]	[]	[]
2.	Synopsis: description of the project in words including related work such as soffits, fascia, gutters, and trim	[X]	[]	[]
3.	Materials finish list	[X]	[]	[]
4.	Detailed justification of why siding replacement is necessary	[]	[]	[X]
5.	Historic photographs of the building	[]	[]	[X]
6.	Description of the existing siding material including width, color, and condition	[X]	[]	[]
7.	Photographs of the siding as it exists today	[]	[]	[X]
8.	Photographs of the building with proposed changes indicated	[X]	[]	[]
9.	Scaled and dimensioned elevations showing the replacement siding	[X]	[]	[]
10.	Cut sheets (manufacturer information) for replacement siding	[X]	[]	[]
11.	Material samples and colors of siding	[X]	[]	[]
12.	Dimensions including full profile of replacement siding	[X]	[]	[]
13.	Photographs of other projects incorporating the siding replacement component	[]	[X]	[]

SAMPLE MOTION LANGUAGE

1. Motion to Approve Application

I move that the Commission issue a Certificate of Appropriateness for application number ___. The Findings of Fact are as follows: (list facts of finding). The work as proposed meets the Secretary of the Interior's Standards for Rehabilitation standard number(s) ___ and would give consideration and/or significance to the City of Plymouth Ordinance review criteria number(s) ___.

Vote "Yes" to approve application. Vote "No" to deny application.

2. Motion to Approve Application with Conditions

Vote "Yes" to approve application with conditions. Vote "No" to deny application with conditions.

3. Motion to Postpone Review

I move that the Commission Postpone Review of application number __ until the next regular meeting scheduled for ___.

Vote "Yes" to approve postponing the review. Vote "No" to deny postponing the review.

4. Motion to Deny Application

I move that the Commission issue a Certificate of Appropriateness for application number ___ . The Findings of Fact are as follows: (list findings of facts that do not warrant the project's approval). The work as proposed does not meet the Secretary of the Interior's Standards for Rehabilitation, standard number(s) ___ and would not give consideration and/or significance to the following City of Plymouth Ordinance review criteria number(s) ___. Note: Voting "No" to positively framed motion is the easiest way to deny an application's request for a Certificate of Appropriateness. FYI: Making a motion for approval and then voting "No" to deny is the same as making a motion to deny an application and then voting "Yes".

Vote "No" to deny the application. Vote "Yes" to approve the application.

5. Motion to Issue a Notice to Proceed

May be used in special conditions or emergencies.

I move that the Commission issue a Notice to Proceed for application number ___. The Findings of Fact are as follows: (list facts of finding). The work as proposed does (not) meet the Secretary of the Interior's Standards for Rehabilitation, standard number(s) ___ and would (not) give consideration and/or significance to the following City of Plymouth Ordinance review criteria number(s) ___. The work which is approved with this Notice to Proceed is as follows: (list approved work). The work that is not approved/not appropriate requires the following conditions to be met: (list conditions). The proposed work will substantially improve or correct the following: (list notice to proceed options). Additional work desired which is not approved within this Notice to Proceed is to be resubmitted for a Certificate of Appropriateness.

Vote "Yes" to approve notice to proceed. Vote "No" to deny notice to proceed.

CITY OF PLYMOUTH

HISTORIC DISTRICT COMMISSION APPLICATION

Community Development Department 201 S. Main Street Plymouth, MI 48170 Ph. 734-453-1234 ext. 232

www.plymouthmi.gov

I. Site/Project Information						
Site Address		☐ Contributing structu	Date of Ap	1 -		
271 5 HAIL	+ STREET	Non-contributing st		16/21		
	1	A Non-contributing st	idetule			
Name of Property Owner	-2-21	Phone Number				
Name of Property Owner BHAH LAHGLU	15 PIRECTURE	Phone Number (734) &	391-0	560		
Mailing Address		Email Address (Require	ed)	2-1-1-21		
271 5. HAIH	5174	BRIAH, LAHAL				
City		State	Zip Code	43170		
II. Applicant and Contact Info	ormation					
Indicate Who the Applicant Is. If Pro	perty Owner, Skip to Section III.	Architect De	veloper Eng	ineer Lessee		
Applicant/Company Name		Phone Number		- A		
JOSEPH PHILIP	S-APCHTIET, LL	C (734) A	55-835	>4		
Applicant/Company Address	STIGET	City	State State	Zip Code 48170		
Email Address (Required)	211211111	2.4				
DOSEPHATILI	PSARCHTECTE	GHAIL. COM				
III. Site Plan Designer and Co	ontact Information					
Site Plan Designer Company Name		Phone Number				
SHE AS A	PPLICALIT					
Company Address		City	State	Zip Code		
Registration Number	Expiration Date 03/06/23	Email Address (Require	ed)			
IV. Type of Project (Please Se	elect All that Apply)					
□ New Construction	Window Replacement	☐ Sign/Awning Install	or Replacement	Color Change		
Addition	1	□ Wall/Fence Install or	Replacement	□ Building		
☑ Alteration	Door Replacement	Paving Install or Rep	lacement	Cleaning		
☐ Porch Reconstruct/Repair	☐ Roof Replacement	☐ Landscaping Install	1	□ Other		
	_ root replacement	Danascaping instant	or respirations			
V. Description of Work				1		
THIS PROJECT WAS PREVIOUSLY SUBHITTED AND						
APPROVED BY THEHPC, PENDING FINAL						
APPROVAL OF LIGHTILG & BRICK COLORS.						
REASE	EE ATTACH	EP				

	Applicant Signature ature of Applicant Date	2 1 1	1 :		
/	01	1/6/	21		
1	Property Owner Signature				
	ature of Property Owner Date				
'III	. Submittal Checklist				
Plea	ase include the following applicable information	YES	NO	С	N/A
Der	nolition, new construction, additions, and alterations				
1.	Completed application	[×]	[]	[
2.	Synopsis: description of the project in words	[8]	[]	[
3.	Materials finish list	[8]	[]	[
4.	Detailed justification of why the changes are necessary	[]	[]	[>
5.	Historic photographs of the building	[]	Ε]	[>
6.	Photographs of the building and site as they exist today	[]	[]	[8
7.	Scaled drawings to include existing and proposed site plan including property lines, easement setbacks, and landscape features	s, []	[]	[}
8.	Scaled drawings to include existing and proposed floor plans	[]	[]	[8
9.	Scaled drawings to include existing and proposed elevations		[]	[>
10.	Scaled drawings to include existing and proposed cross sections and other details as needed	[]	[]	[8
11.	Cut sheets (manufacturer information) for all exterior materials including windows, doors, garage, doors, exterior lighting, fencing, etc.	[]	[]	[8
12.	Material samples and colors for roofing, siding, and trim	[]	[]	[8
13.	Statement of impact of the project on surrounding properties and buildings. Statement shall include items such as architectural character, building scale, vehicular and pedestrian traffic, mass, form, proportion, configuration, location on site, landscaping, and visual appearance.	[]]	[.8
14.	Time frame for the project including approximate start date and dates for exterior completion landscaping completion, and final occupancy	[]	[]	[8
15.	Color rendering of exterior elevation	[]	[]	[×
16.	New construction requires a streetscape view (to scale) with the proposed project inserted	[]	[]	$[\times$
Pro	posed window replacement project				
1.	Completed application	[]	[]	$[\times$
2.	Synopsis: description of the project in words	[]	[]	[8
3.	Materials finish list	[]	[]	ا [
4.	Detailed justification of why window replacement is necessary	[]	[]	[8
5.	Historic photographs of the building	[]	[]	[×
6.	Description of the existing window material including color and condition	[]	[]	[>
7.	Photographs of the affected windows as they exist today	[]	[]	[>
8.	Photographs of the building with proposed changes indicated	[]	Γ	1	18

JOSEPH PHILIPS

ARCHITECT, LLC

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(734) 455-8350 Fax
josephphilipsarchitect@gmail.com

FEBRUARY 16, 2021

HISTORIC DISTRICT COMMISSION CITY OF PLYMOUTH 201 S. MAIN STREET PLYMOUTH, MICHIGAN 48170 PLANNING COMMISSION ADMINISTRATIVE REVIEW CITY OF PLYMOUTH 201 S. MAIN STREET PLYMOUTH, MICHIGAN 48170

RE: EXTERIOR FINISH MATERIALS

GROWTH WORKS - BUILDING ADDITION AND STOREFRONT ALTERATIONS

JP Project No. 19593

DEAR COMMISSIONERS.

PLEASE SEE THE FOLLOWING LIST OF EXTERIOR FINISH MATERIALS AND THE RELATED ATTACHMENTS FOR YOUR CONSIDERATION AND APPROVAL. AS YOU RECALL, THE MAJORITY OF THIS PROJECT WAS APPROVED LAST YEAR WITH THE UNDERSTANDING THAT I WOULD COME BACK TO THE HDC FOR ANY PROPOSED CHANGES AND AN EXTERIOR LIGHTING RESUBMITTAL.

- 1. PROPOSED FIELD BRICK:
 - a. "MERIDIAN" CAVALRY GREY" Modular
- 2. PROPOSED ACCENT BRICK:
 - a. "GLEN GERY: OYSTER GREY Modular
- 3. LIGHT FIXTURES
 - a. UPLIGHTS: "KIRCHLER" 12V LED LARGE ACCENT LIGHT BLACK. Lighting to be ground mounted in landscape area. (5 Fixtures).
 - b. DOWNLIGHTS: "LITHIONIA" LED BULLET FLOOR LOGHT "OLB". Lighting to be mounted on top of front canopy. (5 Fixtures).

THANK YOU,

JOSEPH PHILIPS, AIA

TARGETTI

JUPITER MINI PROJECTOR

Professional Compact Adjustable LED Flood Light

Concept: Ultra compact adjustable LED projector.

Materials: Finished Ferrite Grey anodized polished aluminum body. Aluminum front ring. Bevelled extra-clear front glass. Stainless steel bracket fixed to the body for adjustability.

Optic: Precision optic system with PMMA lenses for the spot, flood and wide flood versions with a light cut system integrated into the front glass.

Mounting: Fixed onto an adjustable yoke bracket.

Power Supply: Remote Class 2 120V-277VAC power supply required, see page 2 for options

Installation: Pre-cabled with 10ft direct burial 18ga 2 Conductor Cable for Connection to remote power supply.

Wattage: 3W

Color Temperature: 2700°K / 3000°K / 3500°K / 4000°K

CRI: Ra84

 Delivered Lumens:
 3000°K
 4000°K

 Spot 17°
 = 298Lm
 319Lm

 Flood 30°
 = 291Lm
 311Lm

 Wide Flood 60°
 = 303Lm
 324Lm

Lumen Maintenance (L70): 50,000hrs

Calculation for LED fixtures are based on measurements that comply with IES LM-80.

Voltage: 24V DC IP Rating: IP67 IK Rating: IK10

Certifications: cULus Class 2 Wet Location Listed

Tested in accordance with LM-79-08

A Title 24 commercial installation compliant.

Warranty: 5 year limited warranty





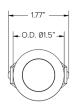




PRODUCT CODE	DRIVER	FINISH	LENS	WATTAGE	COLOR TEMP	VOLTAGE	+	OPTICAL ACCESSORY	+	DRIVER
	R - Remote Driver	FE - Ferrite Grey	SP — Spot 17°	L1 — 3W	27 — 2700K	24 — 24V DC		— No optical accessory		Required (See Pg 2)
Projector			FL — Flood 30°		30 — 3000K			LV — Anti-glare honeycomb louver		
			WF — Wide Flood 60°		35 — 3500K					
					40 — 4000K					

Views







JUPITER MINI PROJECTOR

INSTALLATION ACCESSORIES

1E0995FE

Ferrite painted peg for ground anchorage.

Dimensions 4.33"L



Power Supply (REQUIRED)	Туре	Wattage	Input/Output Voltage	Dimmable	IP Rating	Output	Dimensions
DEL60PWM	ELECTRONIC PWM DRIVER STANDALONE, UL LISTED ENCLOSURE PROVIDED BY OTHERS	60W	120-277V / 24V	0-10V/PWM 10%	IP67	UR CLASS 2	5.9" X 2.09" X 1.38"
DEL90PWM	ELECTRONIC PWM DRIVER STANDALONE, UL LISTED ENCLOSURE PROVIDED BY OTHERS	90W	120-277V / 24V	0-10V/PWM 10%	IP67	UR CLASS 2	6.73" X 2.48" X 1.48"
DEDD10010	ELECTRONIC 0-10V DRIVER STANDALONE, UL LISTED ENCLOSURE PROVIDED BY OTHERS	100W	120-277V / 24V	0-10V DIMMING 0.1%	IP20	UR CLASS 2	6.02" x 1.97" x 0.91"
DELV40124D	ELECTRONIC LOW VOLTAGE TRANSFORMER	40W	120-277V / 24V	PHASE (120V ONLY) /0-10V DIMMING 10%	IP66 / NEMA4 ENCLOSURE	UL CLASS 2	11" × 4" × 2.21" ¹
DELV60124D	ELECTRONIC LOW VOLTAGE TRANSFORMER	60W	120-277V / 24V	PHASE (120V ONLY) /0-10V DIMMING 10%	IP66 / NEMA4 ENCLOSURE	UL CLASS 2	11" x 4" x 2.21"1
DELV96124D	ELECTRONIC LOW VOLTAGE TRANSFORMER	96W	120-277V / 24V	PHASE (120V ONLY) /0-10V DIMMING 10%	IP67 / NEMA4 ENCLOSURE	UL CLASS 2	11" × 4" × 2.21"1
DELX601241CPWM	ELECTRONIC PWM DRIVER	60W	120-277V / 24V	0-10V/PWM 10%	IP67 / NEMA3R ENCLOSURE	UL CLASS 2	10" × 10" × 4"1
DELX901241CPWM	ELECTRONIC PWM DRIVER	90W	120-277V / 24V	0-10V/PWM 10%	IP67 / NEMA3R ENCLOSURE	UL CLASS 2	10" × 10" × 4"1
DELX1802242CPWM	ELECTRONIC PWM DRIVER	2X90W	120-277V / 24V	0-10V/PWM 10%	IP67 / NEMA3R ENCLOSURE	UL CLASS 2	12" × 12" × 4"1
DELX2703243CPWM	ELECTRONIC PWM DRIVER	3X90W	120-277V / 24V	0-10V/PWM 10%	IP67 / NEMA3R ENCLOSURE	UL CLASS 2	12" x 12" x 4" ¹
PS060	LUTRON HI-LUME PREMIER 0.1% CONSTANT VOLTAGE DRIVER WITH UL LISTED ENCLOSURE	96W	UNIVERSAL 120-277 VAC	HI-LUM DIMMABLE 0.1%	IP20/NOM CERTIFIED	UL CLASS 2	10.5" × 5.5" × 2" ¹

¹ Dimensions include enclosure with mounting bracket.

MAX FIXTURES PER DRIVER

re		Driver Wattage								
Fixture Vattag		40W 60W 96W 90W 2X90W 3X90W 100W 2							2X100	
ш <u>≽</u>	3W	10	16	25	24	48	72	26	53	

^{*} Constant voltage drivers 50/60HZ, voltage regulated with short circuit protection. Operating temperature -40 C- 80° C

^{*} Installation of power supply must be compliant to Class 2 installation standards. Refer to NEC and local building code requirements.

^{*} Consult factory for additional driver options (ie: DMX, DALI, wattage, size, shape, Lutron, ELDO, or others).

TARGETTI

JUPITER MINI PROJECTOR

Photometry









JUPITER Mini Projector 1.5"

- 1.5"D Aperture x 2.8"H
- 3W
- 2700K / 3000K / 3500K / 4000K
- SP, FL, WF
- Integral Black Louver Option
- Ferrite Grey Finish
- Remote power solutions available

JUPITER Mini 2"

- 2"D Aperture x 1.14"H
- 3W
- 2700K / 3000K / 3500K / 4000K
- SP/FL/WFL
- Integral Louver or Asymmetrical Screen Options
- Remote power solutions available

JUPITER 3"

- 3.15"D Aperture x 2"H
- 9W
- 2700K / 3000K / 3500K / 4000K
- SP/FL/WFL
- Integral Louver or Asymmetrical Screen Options
- Remote power solutions available



OVERVIEW

The VLO Accent Light is unsurpassed in both style and performance. The VLO combines advanced LED, Driver & Optic technology with premium materials. A single fixture provides the installer the option to select three different lumen outputs reducing installation complexity and increasing infield versatility.

PROJECT:	ORDERING:
TYPE:	COMMENTS:

FEATURES

- · High lumens in small body
- Variable lumen output
- Advanced optics provide superb center to edge uniformity
- Available beam angle: 15°, 35° & 60°
- · Complete sealed system for improved reliability
- Advanced ESD protection (6 kV)
- IP66 rated

PERFORMANCE

Output Position	Level 1	Level 2	Level 3
Lumen output	400	600	835
Input voltage	9-15	9-15	9-15
Power (VA) @ 15VAC	8.5	12.5	17
Power (W) @ 15VDC	5.25	8.5	12
Efficacy (Lm/W@DC)	76	70	69

SPECIFICATIONS

Fixture

Light Source Integrated LED Number of LEDs 1 High Output COB 2700K. 3000K Color Temperature

Color Rendering Index 80+ 15°, 35°, 60° Beam Angles Binning 3 Step Fixture can be used in UP or DOWN position

Input

9 - 15VInput Voltage Range

AC or DC with no

loss in light output

Input Frequency 47 - 63Hz

Input Current 2.55A Max @ 9VAC

Inrush Current 9A Max

Efficiency > 70L/W @ 12VDC Power Factor > 0.7 @ 15V

Output

Lumen Level 3 (max) 835 Lumen Level 2 (mid)

Lumen Level 1 (standard) 400 (factory setting)

Environmental

Environmental Protection Rating Wet. IP 66 **Operation Ambient Temperature** -25°C - +40°C Expected Life Time (L70) 50K Hours

Mechanical & Housing Specification

Length 6" / 154 mm Width 2.7" / 69 mm Height 4.2" / 106 mm Aluminum, Brass Housing Material Housing Color & Surface AZT, BKT, CBR, WHT Alum 24 oz/ 0.7Kg, Weight Brass 48oz/1.4Kg

FIXTURE

Glass Lens

Tempered, shock resistance glass with high tolerance for thermal expansion and stress.

Body

A380 Aluminum, C360 Brass casting

Wire

18 AWG, SPT-1W, 105°C, 300V, 48" useable length

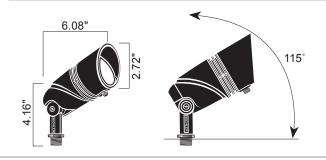
Optics

Polycarbonate TIR lens provides superior fixture beam angle. Available in 15°, 35° and 60°.

Included Accessories

Includes 8" slotted in-ground stake, 2 gel-filled wire nuts and lumen switching magnetic key.

Dimensions



AVAILABLE FINISHES













INSTALLATION INFORMATION

Type	Voltage	Dimming Level					
Type Supply	Level	1	2	3			
AC	9V	8	12	17			
Voltage	12V	9	13	17.5			
(VA)	15V	9	13	18			
DC	9V	6	9	12.5			
Voltage	12V	5.5	8	12			
(W)	15V	5.5	8	12			

Power	Wir	e Gauge / Length	n / (ft/m) Load Ch	nart			
(W)	10	12	14	16			
0-20	1860/567	1150/351	730/223	450/137			
40	930/283	580/177	370/113	230/70			
60	620/189	390/119	240/73	150/46			
80	470/143	290/88	180/55	110/34			
100	370/113	230/70	140/43	90/27			
>100	Consult Technical Support						

Ordering Guide (product number breakdown)

Example: 16018 CBR 30

1 Item Number 15 Size & Beam Angle: Item Number for Fixture

16018 = Small 15° Spot **16019** = Small 35° Flood 16020 = Small 60° Wide Flood

16018

Product Finish:

AZT = Textured Architectural Bronze

BKT = Black

CBR = Centennial Brass

WHT = Textured White (only in 35°)

CBR

3 Color Temperature: Color

27 = 2700K, Warm White **30** = 3000K, Pure White

3 0

	Item Number	16018	(low)		16019	(low)		16020	(low)
	Beam Angle	15°	Spot		35° F	lood		60° Wid	de Flood
S	Max Candela	3!	521		9.	48		3	96
LOW LUMENS	Ft. Away	Foot-candles	Beam Width	Ft.	Foot-candles	Beam Width	Ft.	Foot-candles	Beam Width
\geq	8'	40.2	2.1	4'	37.3	2.5	4'	17.1	4.9
^ ∠	12'	17.9	3.2	8'	9.3	4.9	8'	4.3	9.8
0	24'	4.5	6.3	16'	2.3	9.8	16'	1.1	19.6
	36'	2	9.5	24'	1	14.7	24'	.5	29.4
	48'	1.1	12.6	32'	.6	19.6	32'	.3	39.2
	60'	.7	15.8	40'	.4	24.5	40'	.2	49
	Item Number	16018	(mid)		16019	(mid)		16020	(mid)
	Beam Angle	15°	Spot		35° F	Flood		60° Wid	de Flood
S	Max Candela	49	925		13	315		5	60
MID LUMENS	Ft. Away	Foot-candles	Beam Width	Ft.	Foot-candles	Beam Width	Ft.	Foot-candles	Beam Width
Σ	8'	74.7	2.1	4'	65.6	2.5	4'	29.1	4.9
0 [12'	33.2	3.2	8'	16.4	4.9	8'	7.3	9.8
₹	24'	8.3	6.3	16'	4.1	9.8	16'	1.8	19.6
	36'	3.7	9.5	24'	1.8	14.7	24'	.8	29.4
	48'	2.1	12.6	32'	1	19.6	32'	.5	39.2
	60'	1.3	15.8	40'	.7	24.5	40'	.3	49
	Item Number	16018	(high)		16019	(high)		16020	(high)
	Beam Angle	15°	Spot		35° I	Flood		60° Wi	de Flood
5	Max Candela	6.	576		18	316		7	50
恒	Ft. Away	Foot-candles	Beam Width	Ft.	Foot-candles	Beam Width	Ft.	Foot-candles	Beam Width
5	8'	100.8	2.1	4'	86	2.5	4'	40.8	4.9
土	12'	44.8	3.2	8'	21.5	4.9	8'	10.2	9.8
HIGHLUMENS	24'	11.2	6.3	16'	5.4	9.8	16'	2.6	19.6
	36'	5	9.5	24'	2.4	14.7	24'	1.1	29.4
	48'	2.8	12.6	32'	1.3	19.6	32'	.6	39.2
	60'	1.8	15.8	40'	.9	24.5	40'	.4	49



TROUBLESHOOTING

Fixture does not illuminate	Verify power connections. Review installation guide for installation problem. Insure manual reset breaker has not been tripped.
Fixture flashes	Verify load calculations for the installation. Check voltage at affected fixture. Verify you are on 15V output tap.
Fixture turns off	Verify power connections. Review installation guide for installation problems. Insure manual reset breaker has not been tripped. Check voltage drop at fixture.
Fixture trips breaker	Check installation for a possible short or overload state. Isolate the identified short and replace affected fixture or remove fixture(s) installed in overload.
Fixture returns to original lumen output	The fixture has to be powered on for 2 minutes after final adjust to exit programming mode.

LISTING

UL 1838 Issued: 2003/01/13 Ed: 3 Rev: 2015/01/13 Low Voltage Landscape Lighting Systems.

CSA C22.2#250.7 Issued: 2007/11/01 (R2012)

Ed: 1 Extra-low-voltage landscape lighting systems -

General Instruction No. 1: 2008.

Contact: layouts@kichler.com

- 1. Chip binning ranges: (2700K 80+ CRI: 3 step), (3000K 80+ CRI: 3 step). LED chip data measured in accordance to IES LM-80
- 2. Fixture has a 90% confidence luminous flux range to stated 3000K CCT target. Photometric (flux and color) data has been measured in accordance to IES LM-79.
- $\textbf{3.} \ \textbf{Actual efficacy value can be calculated as follows: Lumen value divided by average power consumption.}\\$
- $\textbf{4.}\ \mathsf{Do}\ \mathsf{not}\ \mathsf{extend}\ \mathsf{beyond}\ \mathsf{the}\ \mathsf{recommended}\ \mathsf{maximum}\ \mathsf{run}\ \mathsf{length}.$
- 5. Recommend product be installed with 10 or 12 gauge wire.
- 6. Recommend 80% load/20% overhead rule for fixture load planning in reference to the power source. Calculating fixture loading this way provides additional resource for fixture adjustment and loss due to voltage drop due to wire run lengths.
- 7. We reserve the right to modify and improve the design of our fixtures without prior notice. We cannot guarantee to match existing installed fixtures for subsequent orders or replacements in regards to product appearance, CCT, or lumen output.
- $\textbf{8.}\ \mathsf{Do}\ \mathsf{not}\ \mathsf{modify}\ \mathsf{product}\ \mathsf{beyond}\ \mathsf{instructions}\ \mathsf{or}\ \mathsf{warranty}\ \mathsf{will}\ \mathsf{be}\ \mathsf{void}.$

WARRANTY

See Kichler.com/Warranty for warranty details.

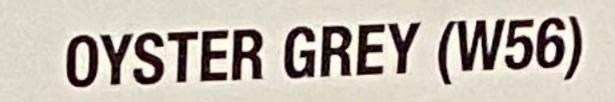
Consult Kichler Advanced Product Solutions for additional product support and design layouts by visiting Kichler.com/APS.



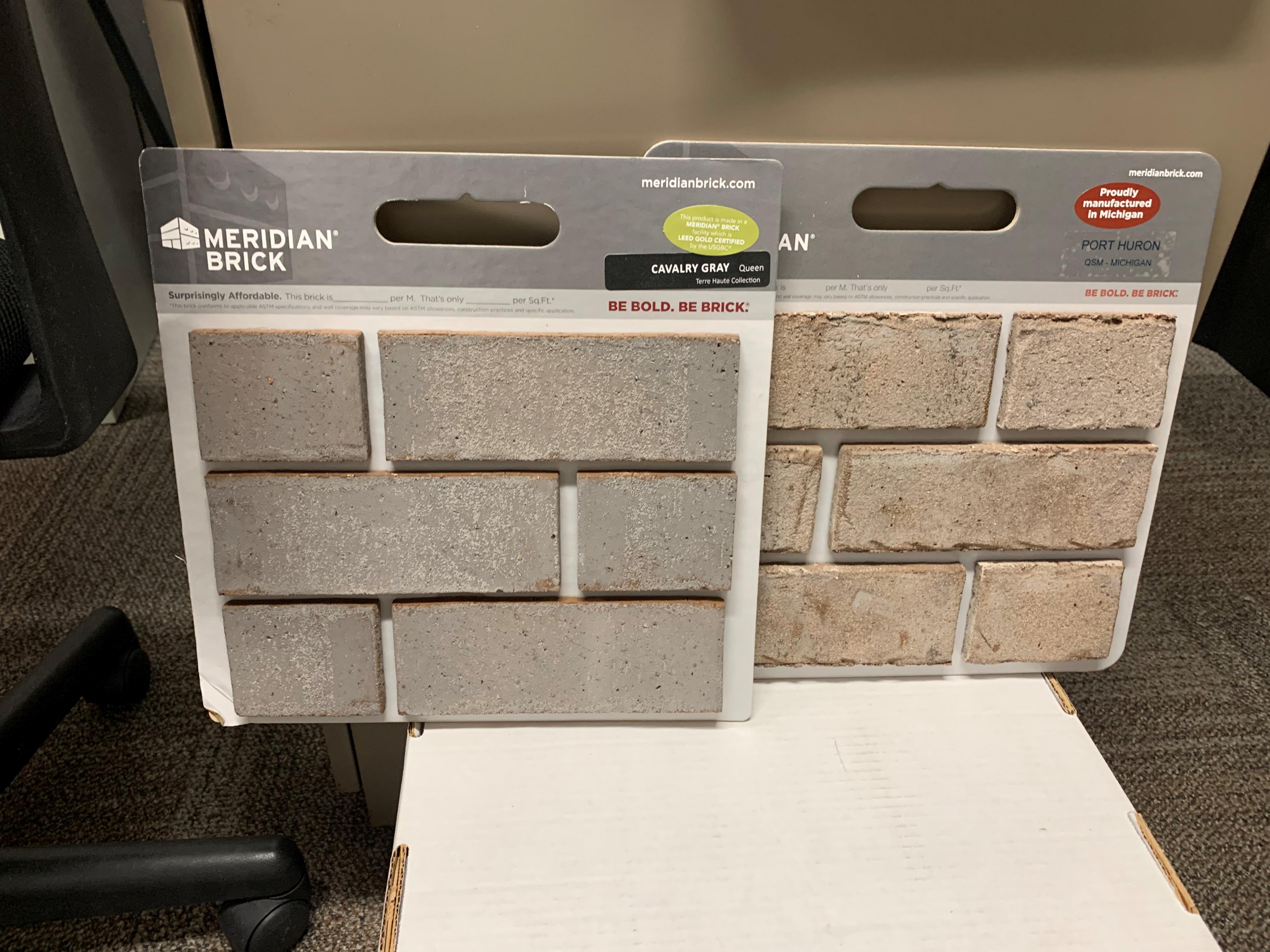
Visit Kichler.com/VLOaccent

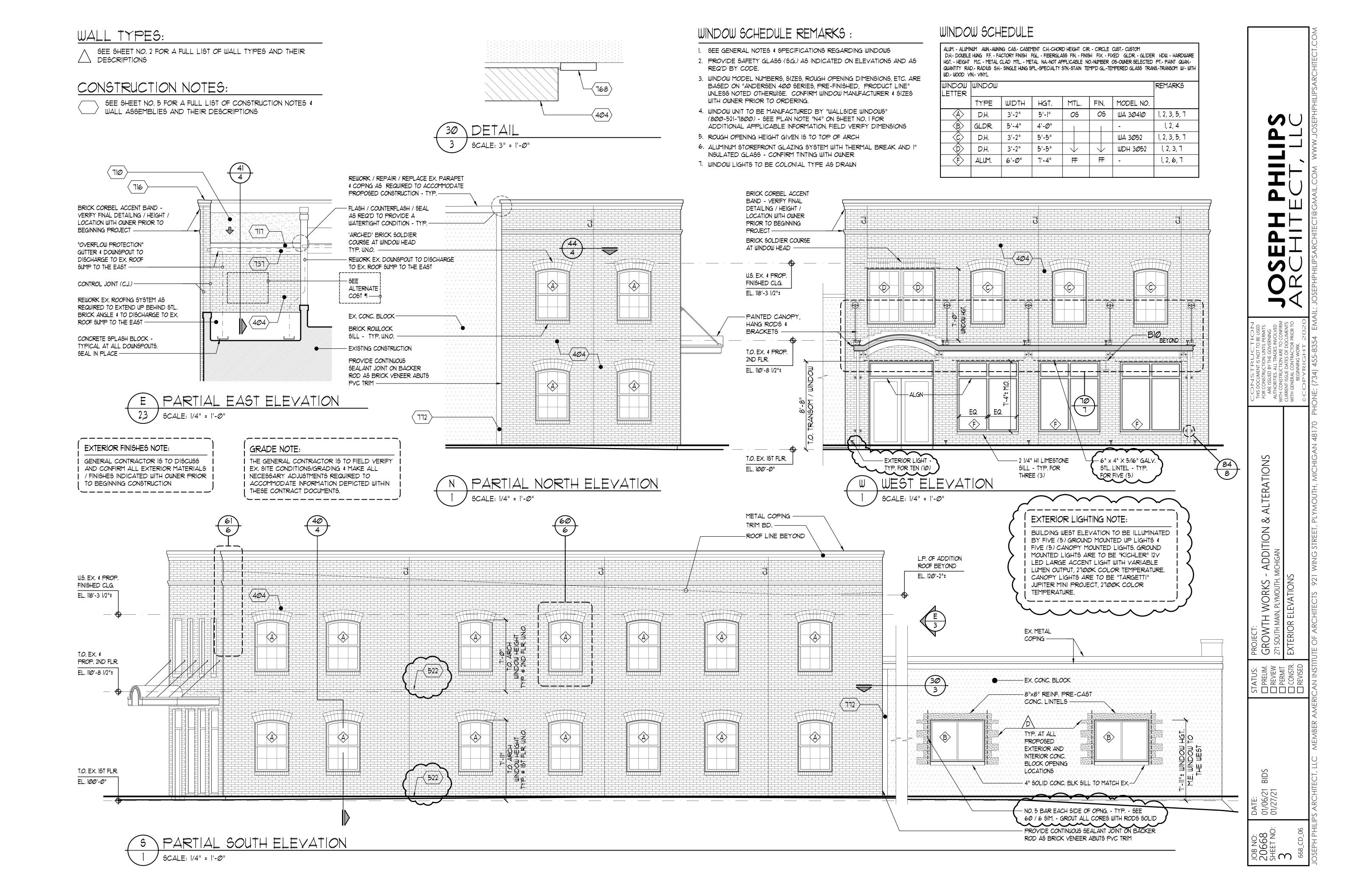
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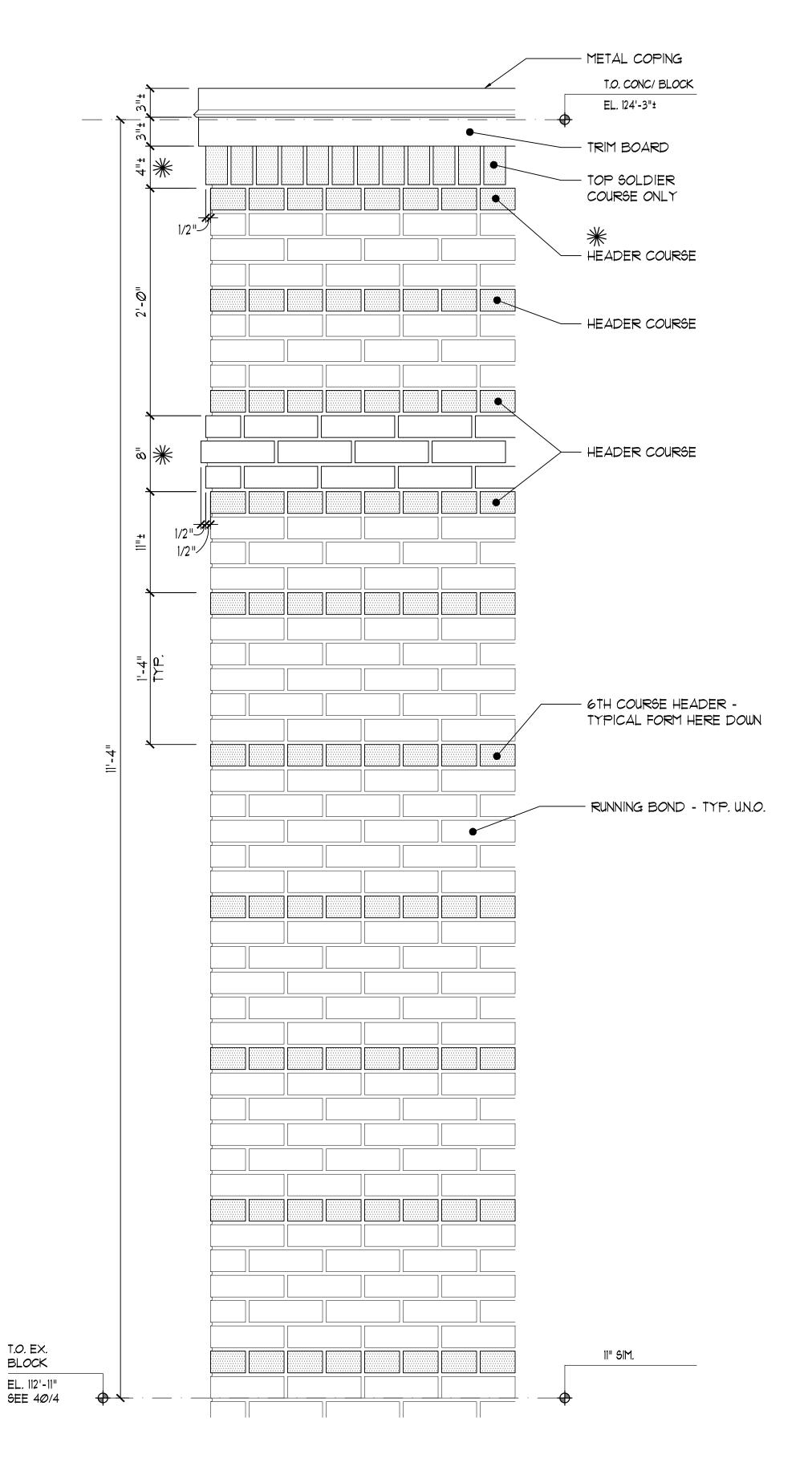




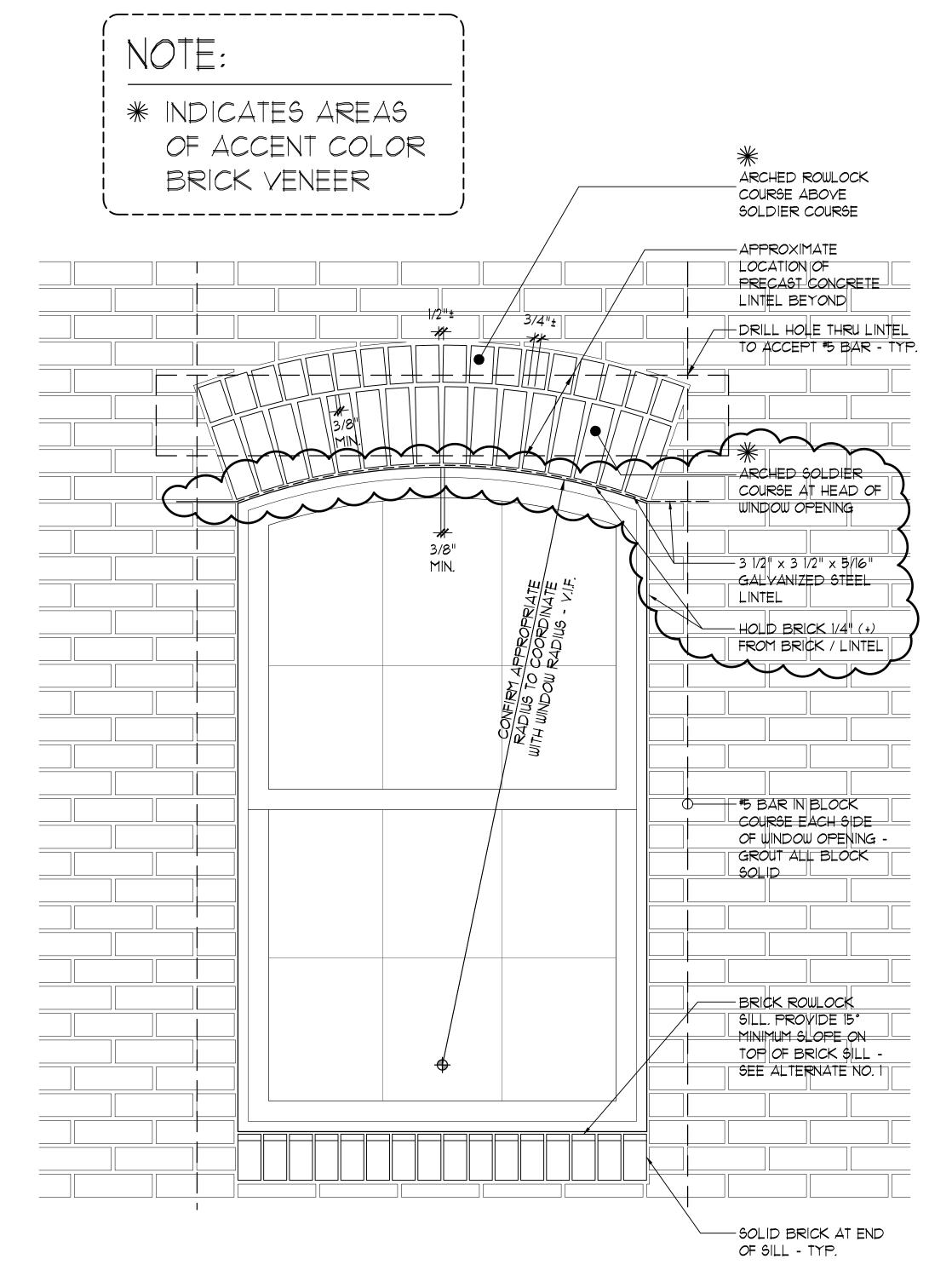












60 WINDOW ARCH DETAIL - SOLDIER & ROWLOCK
3 SCALE: 1 1/2" = 1'-0"

ALTERATIONS GROWTH WORKS - ADDITION & AI 271 SOUTH MAIN, PLYMOUTH, MICHIGAN

B. DETAILS STATUS:

PRELIM.

REVIEW

PERMIT

CONSTR. JOB NO: 20668 SHEET NO: 6

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