

**ARCHITECTURAL AND HISTORIC DISTRICT REVIEW BOARD
VILLAGE OF WARWICK
DECEMBER 3, 2024
AGENDA**

**LOCATION:
VILLAGE HALL
77 MAIN STREET, WARWICK, NY
5:00 P.M.**

**Call to Order
Pledge of Allegiance
Roll Call**

1. Introduction by Chair Michael Bertolini.
2. Acceptance of Minutes: November 5, 2024

The vote on the foregoing motion was as follows:

Michael Bertolini _____ Chris DeHaan _____ Jane Glazman _____

Matthew LoPinto _____ Glenn Rhein _____

Discussion

1. **11 Linden Place- Mr. Keenan - Pages 3-18**

Seeking approval of Certificate of No Exterior Effect – for New Windows

A. Design of Windows Replacements

2. **23 West Street – Oakwell Development - Pages 19-31**

Seeking approval of Certificate of No Exterior Effect – for painting building

A. Color of building

3. **6 Third Street-Thompson - Pages 32-58**

Seeking approval of Certificate of No Exterior Effect – for Solar Panels

A. Solar Panels

4. **32 Main Street – G’s Warwick Diner - Pages 59-65**

Seeking approval of Certificate of No Exterior Effect & New Permanent Sign Application

A. Color and Design of Sign

5. **5 ½ South Street -Kazi Hair Lounge - Pages 66-72**

Seeking approval of Certificate of No Exterior Effect& New Permanent Sign Application

A. Color and Design of Sign

6. **44 Colonial Ave – Frank & Lisa Madonna - Pages 73-81**

Seeking approval of Certificate of No Exterior Effect

A. Design of House, materials and colors

7. **10 Main Street – Mariam Gelashuli - Pages 82-93**

Seeking approval of Certificate of No Exterior Effect; New Permanent Sign

A. Color of Sign and Design

B. Placement

Adjournment



VILLAGE OF WARWICK
INCORPORATED 1837



RECEIVED

11/12/24

Certificate of No Exterior Effect Application

Architectural and Historic Review Board (AHDRB)

Application Fee \$50.00

☒ Paid Check #

50-
1831

Applicant Information

Date 11/12/24

Name: SEAN KEENAN

Mailing Address: 11 LINDEN PL WARWICK, NY 10990

Phone Number: 917-653-1413 Alt. Phone Number _____

Email Address: SPK413@ME.COM

Project Information

Business Name (if applicable) _____

Project Address: 11 LINDEN PL WARWICK, NY 10990 S/B/L # _____

Property Owner: SEAN KEENAN

* The certificate of no exterior effect or certificate of appropriateness required under §7-7 and §7-8 of this chapter as a condition precedent to any alteration relating to any improvement in property located within the (Historic) district.

Be sure to carefully read through the application and complete all sections and provide all requested information. Any missing or incorrect information will result in delays with the application process.

Please read the Village of Warwick Zoning Code, Article VIII Warwick Village Historic District §145-24 through §145-24.1, for information such as criteria, procedure, exceptions, etc.

The Zoning Code is available on the Village's website: www.villageofwarwick.org

Please read the Village of Warwick Code, Architectural and Historic District §5-1 through §5-6 and §7-1 through §7-14. The Village of Warwick Code is available on the Village's website: www.villageofwarwick.org

The following information must be included with the application:

1. A typed letter addressed to the Architectural and Historic Review Board describing the intent of the project, please be sure to include details such as exterior aesthetic renovations, additions, and changes.
2. Include (if applicable) renderings such as site plans, examples of paint/stain colors, roofing, siding, windows/trim, chimneys, fencing, retaining walls, lighting, landscaping, paving, walkways, porches/decks, steps and any other exterior designs elements and materials.
 - a. If the project includes renderings or sight plans, please include (4) four paper copies as well as an electronic copy in the form of a PDF.

Completed applications along with all required paperwork can be dropped off or mailed to Village Hall, Attn. Building/Planning Department, P.O. Box 369, 77 Main Street, Warwick, NY 10990 and/or emailed to: planning@villageofwarwick.org











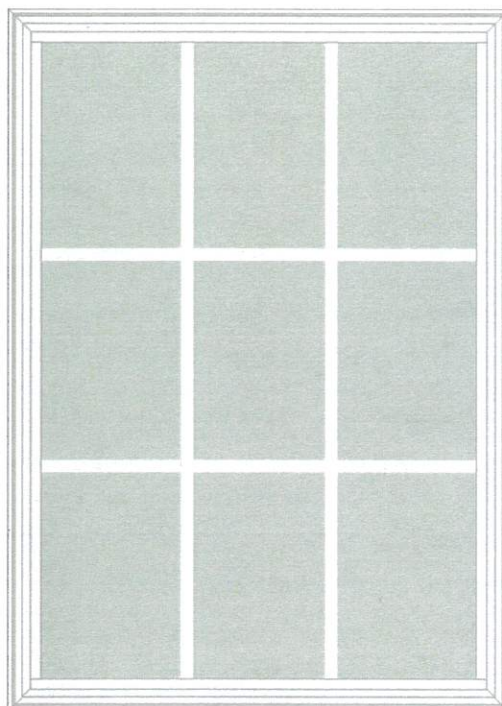




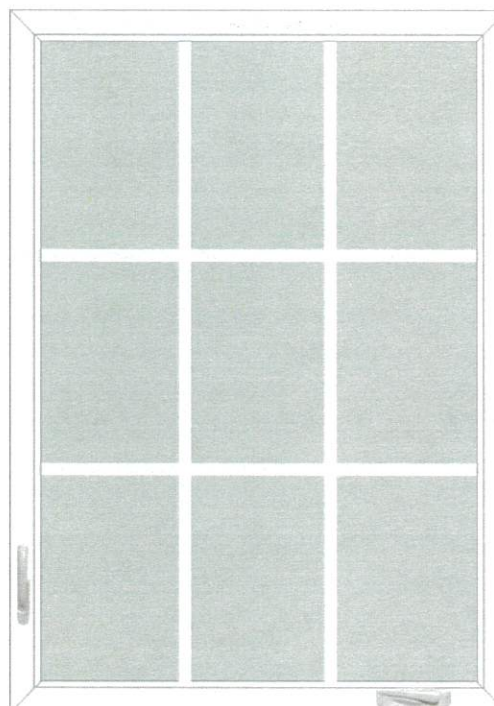


YOUR PROFESSIONAL-CLASS PRODUCT

Endure EN600 Series 625 - 1-Lite Casement - Hinged Left (OLI)



OUTSIDE VIEW



INSIDE VIEW

SIZING

Opening Width Range: 30" to 30 1/4"
Opening Height Range: 41 3/4" to 42"
Window Size: 29 3/4" x 41 1/2"
United Inches: 72
Egress Size: 22 3/32" x 36 1/16"
Egress Square Foot: 5.5342
Egress Meets Criteria: No
Operable Sash Size: 28 1/8" x 39 7/8"
Operable Glass Size: 26" x 37 3/4" x 3/4"
Operable Glass Viewable Size: 25 1/8" x 36 7/8"
Full Screen: 26 1/16" x 37 13/16"
Casement Screen Notch: 13 15/16"

Structural

N/A

Installation Instructions



ENERGY

ENERGY PERFORMANCE RATINGS

U-Factor (U.S./I-P) Solar Heat Gain Coefficient

0.25 0.19

ADDITIONAL PERFORMANCE RATINGS

Visible Transmittance Condensation Resistance

0.43 61.00

Air Infiltration (cfm/ft2)

<= 0.02

ENERGY STAR

North-Central / South-Central /
Southern Regions



877.389.0835
2150 State Route 39
Sugar Creek, OH 44681

QUOTE INFORMATION

Job: Keenan

Tag: Tom Bed Front

Qty: 1

DETAILS

Endure Window - EN600 Series

625 - 1-Lite Casement - Hinged Left (OLI)

White

Exact Size: 29 3/4" x 41 1/2"

Non-Washable Casement Hinge

ROTO Hardware

White Lock-out Crank Handle

INNERGY Thermal Sash Reinforcement

Extruded Full Screen (White) with BetterVue Screen Mesh

Graphite Foam Insulation

Sill Extender

ComforTech DLA-UV

Single Strength Glass

3/4" IG Thickness

Colonial (Standard) Contoured Grid - 2V x 2H

White Grids

INFORMATION AND WARNINGS

Selecting the non-washable casement hinge will move the handle location to 5.5" from center of handle to hinge side edge of frame. Standard casement hinges will be located 10.875" from center of handle to hinge side edge of frame.

YOUR PROFESSIONAL-CLASS PRODUCT

Endure EN600 Series 601 - Double Hung



877.389.0835
2150 State Route 39
Sugar Creek, OH 44681

QUOTE INFORMATION

Job: Keenan

Tag: Tom Bed Side

Qty: 1

DETAILS

Endure Window - EN600 Series

601 - Double Hung

White

Exact Size: 29 3/4" x 28 3/4"

Compound Tension Balance System

Snap-In Frame Sash Stops

Double Profile DA Locks

White Vent Locks

White Hardware

INNERGY Thermal Sash Reinforcement

Extruded Bottom Screen (White) with BetterVue Screen Mesh

Graphite Foam Insulation

Sill Extender

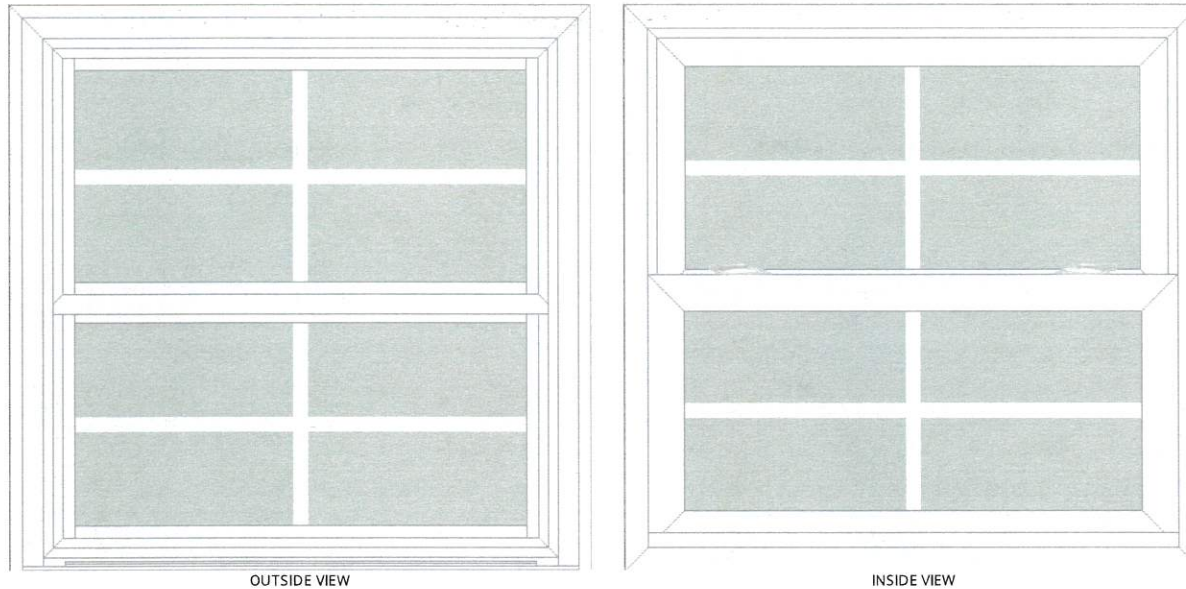
ComforTech DLA-UV

Single Strength Glass

3/4" IG Thickness

Colonial (Standard) Contoured Grid - 1V x 1H

White Grids



OUTSIDE VIEW

INSIDE VIEW

SIZING

Opening Width Range: 30" to 30 1/4"
Opening Height Range: 29" to 29 1/4"
Window Size: 29 3/4" x 28 3/4"
United Inches: 59
Egress Size: 24 3/4" x 8 19/32"
Egress Square Foot: 1.4823
Egress Meets Criteria: No
Top Sash Size: 25 3/4" x 12 15/16"
Top Glass Size: 23 15/16" x 11 3/16" x 3/4"
Top Glass Viewable Size: 22 15/16" x 10 3/16"
Bottom Sash Size: 26 3/4" x 13 15/16"
Bottom Glass Size: 23 15/16" x 11 3/16" x 3/4"
Bottom Glass Viewable Size: 22 15/16" x 10 3/16"
Size:
Bottom Screen: 26 1/4" x 14 3/8"

Structural

Air:
0.05 cfm/ft² @ 1.57 psf
ASTM E 283

Water:
7.52 psf
ASTM E 547

Structural:
LC-PG50 141mph
AAMA/WDMA/CSA 101/LS 2/A440-08 and 11
DP 50

ENERGY

ENERGY PERFORMANCE RATINGS

U-Factor (U.S./I-P) Solar Heat Gain Coefficient

0.27

0.19

ADDITIONAL PERFORMANCE RATINGS

Visible Transmittance Condensation Resistance

0.45

61.00

Air Infiltration (cfm/ft²)

<= 0.05

ENERGY STAR

Southern / South-Central

STC: 25; OITC: 22; Acoustic Test Report: f2964.01-113-11

Installation Instructions



YOUR PROFESSIONAL-CLASS PRODUCT

Endure EN600 Series 601 - Double Hung



877.389.0835
2150 State Route 39
Sugarcreek, OH 44681

QUOTE INFORMATION

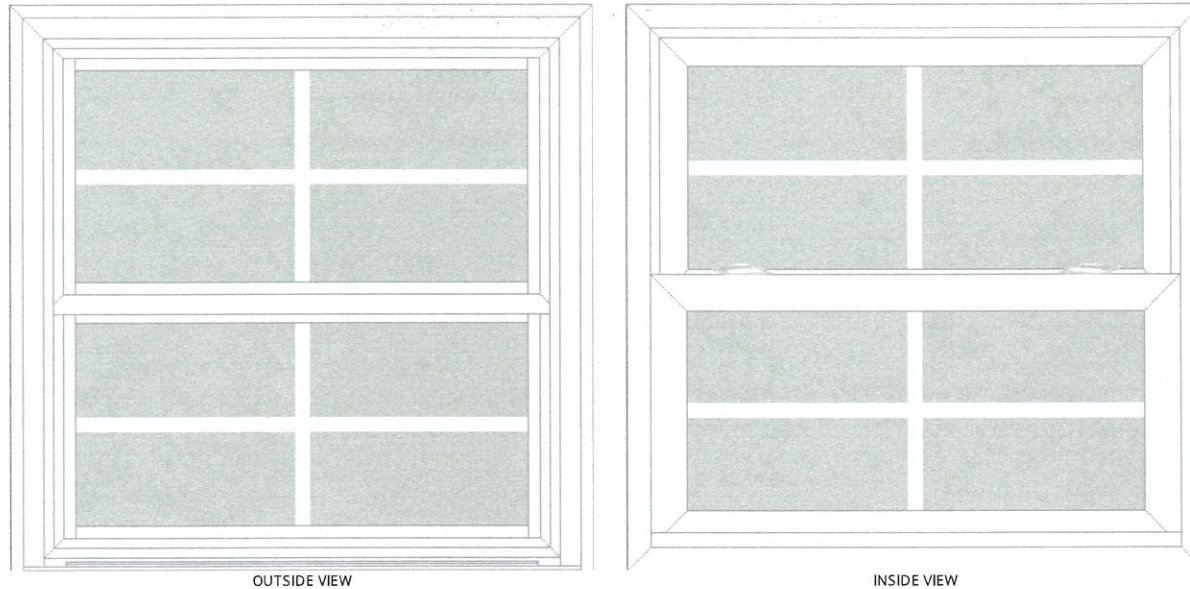
Job: Keenan

Tag: Jack Bed Side

Qty: 2

DETAILS

Endure Window - EN600 Series
601 - Double Hung
White
Exact Size: 29 3/4" x 28 3/4"
Compound Tension Balance System
Snap-In Frame Sash Stops
Double Profile DA Locks
White Vent Locks
White Hardware
INNERGY Thermal Sash Reinforcement
Extruded Bottom Screen (White) with BetterVue Screen Mesh
Graphite Foam Insulation
Sill Extender
ComforTech DLA-UV
Single Strength Glass
3/4" IG Thickness
Colonial (Standard) Contoured Grid - 1V x 1H
White Grids



OUTSIDE VIEW

INSIDE VIEW

SIZING

Opening Width Range: 30" to 30 1/4"
Opening Height Range: 29" to 29 1/4"
Window Size: 29 3/4" x 28 3/4"
United Inches: 59
Egress Size: 24 3/4" x 8 19/32"
Egress Square Foot: 1.4823
Egress Meets Criteria: No
Top Sash Size: 25 3/4" x 12 15/16"
Top Glass Size: 23 15/16" x 11 3/16" x 3/4"
Top Glass Viewable Size: 22 15/16" x 10 3/16"
Bottom Sash Size: 26 3/4" x 13 15/16"
Bottom Glass Size: 23 15/16" x 11 3/16" x 3/4"
Bottom Glass Viewable Size: 22 15/16" x 10 3/16"
Size:
Bottom Screen: 26 1/4" x 14 3/8"

Structural

Air:
0.05 cfm/ft² @ 1.57 psf
ASTM E 283

Water:
7.52 psf
ASTM E 547

Structural:
LC-PG50 141mph
AAMA/WDMA/CSA 101/I.S.2/A440-08 and 11
DP 50

ENERGY

ENERGY PERFORMANCE RATINGS

U-Factor (U.S./I-P) Solar Heat Gain Coefficient

0.27

0.19

ADDITIONAL PERFORMANCE RATINGS

Visible Transmittance Condensation Resistance

0.45

61.00

Air Infiltration (cfm/ft²)

<= 0.05

ENERGY STAR

Southern / South-Central

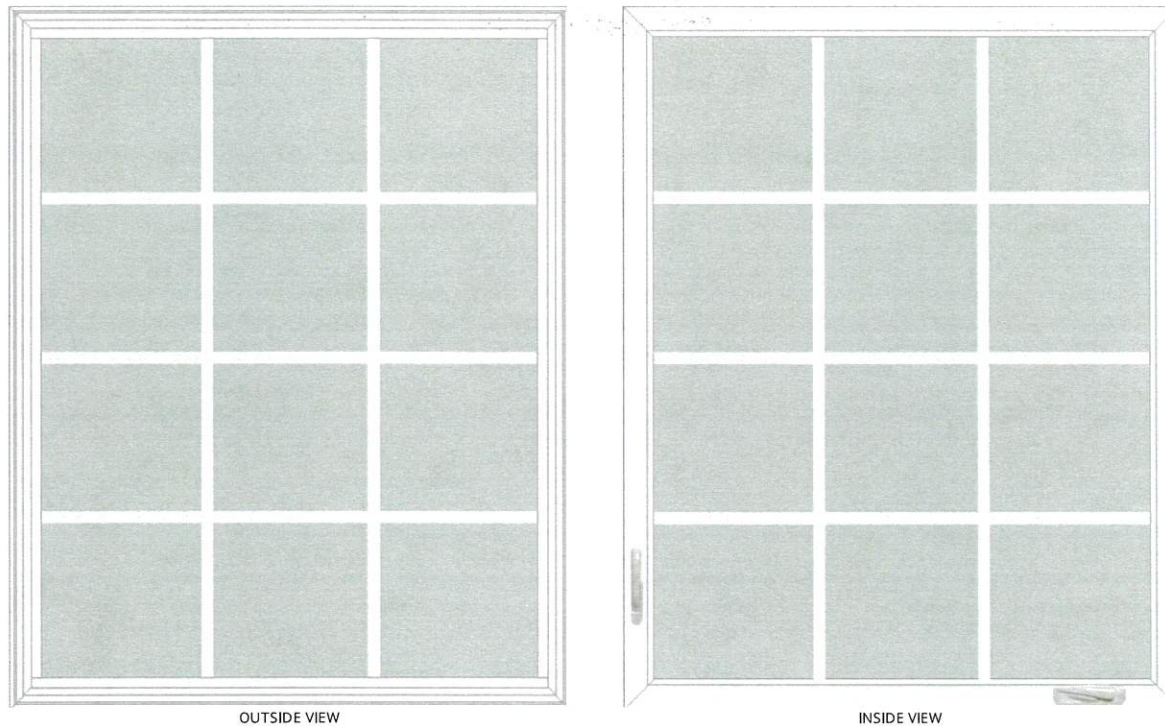
STC: 25; OITC: 22; Acoustic Test Report: f2964.01-113-11

Installation Instructions



YOUR PROFESSIONAL-CLASS PRODUCT

Endure EN600 Series 625 - 1-Lite Casement - Hinged Left (OLI)



OUTSIDE VIEW

INSIDE VIEW

SIZING

Opening Width Range: 34 3/4" to 35"
Opening Height Range: 43 1/4" to 43 1/2"
Window Size: 34 1/2" x 43"
Unit Inches: 78
Egress Size: 26 27/32" x 37 9/16"
Egress Square Foot: 7.0034
Egress Meets Criteria: Yes
Operable Sash Size: 32 7/8" x 41 3/8"
Operable Glass Size: 30 3/4" x 39 1/4" x 3/4"
Operable Glass Viewable Size: 29 7/8" x 38 3/8"
Full Screen: 30 13/16" x 39 5/16"
Casement Screen Notch: 13 15/16"

Structural

N/A

Installation Instructions



ENERGY

ENERGY PERFORMANCE RATINGS

U-Factor (U.S./I-P) Solar Heat Gain Coefficient

0.25 0.19

ADDITIONAL PERFORMANCE RATINGS

Visible Transmittance Condensation Resistance

0.43 61.00

Air Infiltration (cfm/ft2)

<= 0.02

ENERGY STAR

North-Central / South-Central /
Southern Regions



877.389.0835
2150 State Route 39
Sugar Creek, OH 44681

QUOTE INFORMATION

Job: Keenan

Tag: Jack Bed Back Wall

Qty: 1

DETAILS

Endure Window - EN600 Series

625 - 1-Lite Casement - Hinged Left (OLI)

White

Exact Size: 34 1/2" x 43"

Non-Washable Casement Hinge

Egress

ROTO Hardware

White Lock-out Crank Handle

INNERGY Thermal Sash Reinforcement

Extruded Full Screen (White) with BetterVue Screen Mesh

Push/Pull Pins for Casement Screen

Graphite Foam Insulation

Sill Extender

ComforTech DLA-UV

Single Strength Glass

3/4" IG Thickness

Colonial Contoured Grid - 2V x 3H

White Grids

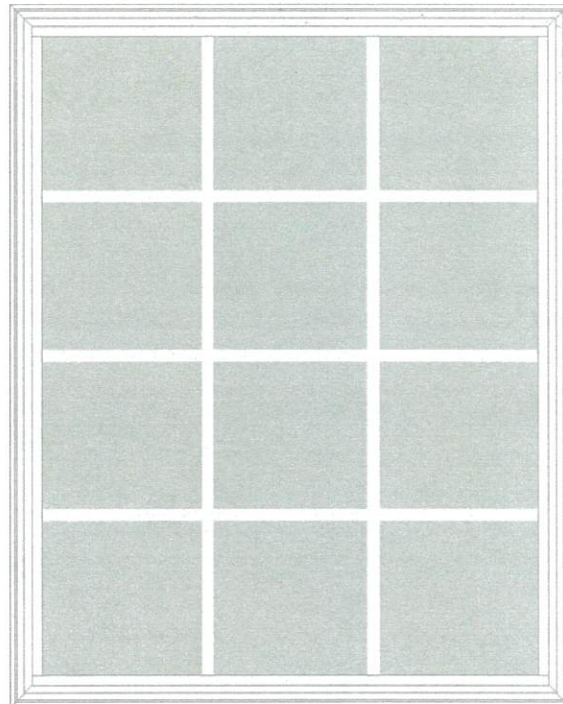
INFORMATION AND WARNINGS

Egress screen will have push/pull pins.

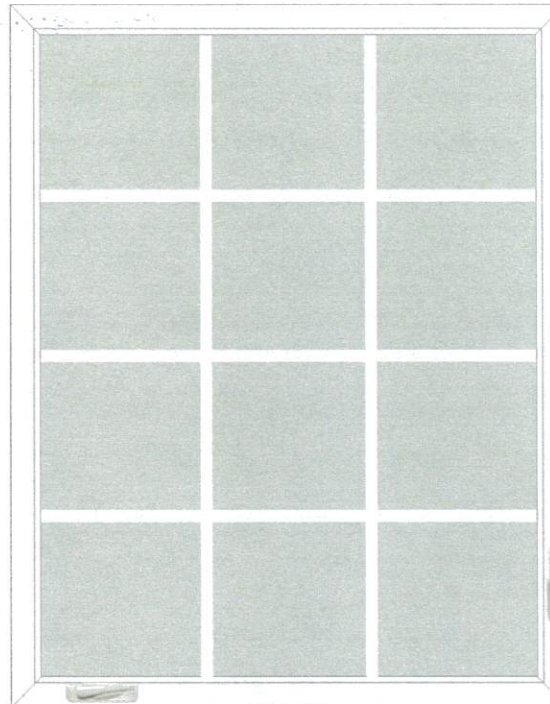
Selecting the non-washable casement hinge will move the handle location to 5.5" from center of handle to hinge side edge of frame. Standard casement hinges will be located 10.875" from center of handle to hinge side edge of frame.

YOUR PROFESSIONAL-CLASS PRODUCT

Endure EN600 Series 624 - 1-Lite Casement - Hinged Right (OLI)



OUTSIDE VIEW



INSIDE VIEW

SIZING

Opening Width Range: 34 3/4" to 35"
Opening Height Range: 43 1/4" to 43 1/2"
Window Size: 34 1/2" x 43"
Unit Inches: 78
Egress Size: 26 27/32" x 37 9/16"
Egress Square Foot: 7.0034
Egress Meets Criteria: Yes
Operable Sash Size: 32 7/8" x 41 3/8"
Operable Glass Size: 30 3/4" x 39 1/4" x 3/4"
Operable Glass Viewable Size: 29 7/8" x 38 3/8"
Full Screen: 30 13/16" x 39 5/16"
Casement Screen Notch: 13 15/16"

Structural

N/A

Installation Instructions



ENERGY

ENERGY PERFORMANCE RATINGS

U-Factor (U.S./I-P) Solar Heat Gain Coefficient

0.25

0.19

ADDITIONAL PERFORMANCE RATINGS

Visible Transmittance Condensation Resistance

0.43

61.00

Air Infiltration (cfm/ft2)

<= 0.02

ENERGY STAR

North-Central / South-Central /
Southern Regions



877.389.0835
2150 State Route 39
Sugarcreek, OH 44681

QUOTE INFORMATION

Job: Keenan

Tag: Jack Bed Back Wall 2

Qty: 1

DETAILS

Endure Window - EN600 Series

624 - 1-Lite Casement - Hinged Right (OLI)

White

Exact Size: 34 1/2" x 43"

Non-Washable Casement Hinge

Egress

ROTO Hardware

White Lock-out Crank Handle

INNERGY Thermal Sash Reinforcement

Extruded Full Screen (White) with BetterVue Screen Mesh

Push/Pull Pins for Casement Screen

Graphite Foam Insulation

Sill Extender

ComforTech DLA-UV

Single Strength Glass

3/4" IG Thickness

Colonial Contoured Grid - 2V x 3H

White Grids

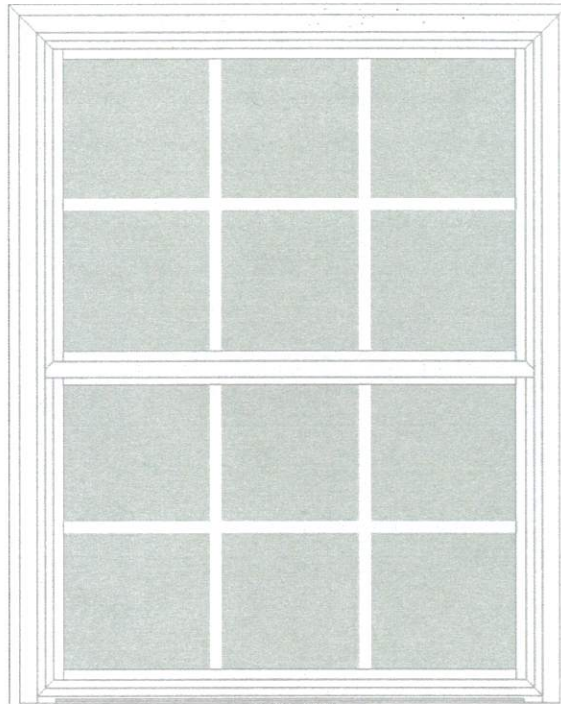
INFORMATION AND WARNINGS

Egress screen will have push/pull pins.

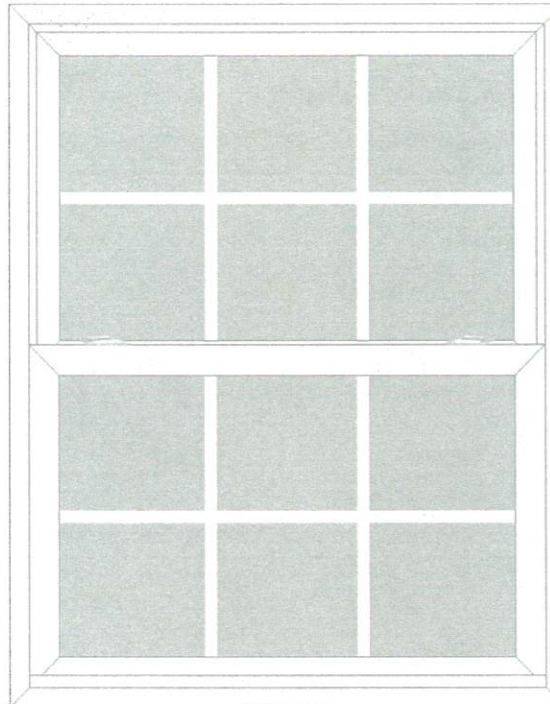
Selecting the non-washable casement hinge will move the handle location to 5.5" from center of handle to hinge side edge of frame. Standard casement hinges will be located 10.875" from center of handle to hinge side edge of frame.

YOUR PROFESSIONAL-CLASS PRODUCT

Endure EN600 Series 601 - Double Hung



OUTSIDE VIEW



INSIDE VIEW

SIZING

Opening Width Range: 34 3/4" to 35"
Opening Height Range: 43 1/4" to 43 1/2"
Window Size: 34 1/2" x 43"
Unit Inches: 78
Egress Size: 29 1/2" x 14 27/32"
Egress Square Foot: 3.0471
Egress Meets Criteria: No
Top Sash Size: 30 1/2" x 20 1/16"
Top Glass Size: 28 11/16" x 18 5/16" x 3/4"
Top Glass Viewable Size: 27 11/16" x 17 5/16"
Bottom Sash Size: 31 1/2" x 21 1/16"
Bottom Glass Size: 28 11/16" x 18 5/16" x 3/4"
Bottom Glass Viewable Size: 27 11/16" x 17 5/16"
Size:
Bottom Screen: 31" x 21 1/2"

Structural

Air:
0.05 cfm/ft² @ 1.57 psf
ASTM E 283

Water:
7.52 psf
ASTM E 547

Structural:
LC-PG50 141mph
AAMA/WDMA/CSA 101/I.S.2/A440-08 and 11
DP 50

ENERGY

ENERGY PERFORMANCE RATINGS

U-Factor (U.S./I-P) Solar Heat Gain Coefficient

0.27 0.19

ADDITIONAL PERFORMANCE RATINGS

Visible Transmittance Condensation Resistance

0.45 61.00

Air Infiltration (cfm/ft²)

<= 0.05

ENERGY STAR

Southern / South-Central

STC: 25; OITC: 22; Acoustic Test Report: f2964.01-113-11



877.389.0835
2150 State Route 39
Sugar Creek, OH 44681

QUOTE INFORMATION

Job: Keenan

Tag: Jack Bed Back Middle

Qty: 1

DETAILS

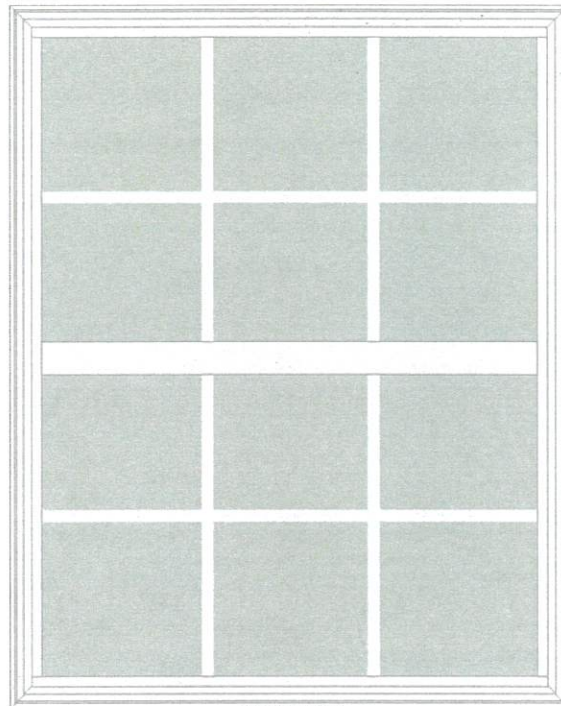
Endure Window - EN600 Series
601 - Double Hung
White
Exact Size: 34 1/2" x 43"
Compound Tension Balance System
Snap-In Frame Sash Stops
Double Profile DA Locks
White Vent Locks
White Hardware
INNERGY Thermal Sash Reinforcement
Extruded Bottom Screen (White) with BetterVue Screen Mesh
Graphite Foam Insulation
Sill Extender
ComforTech DLA-UV
Single Strength Glass
3/4" IG Thickness
Colonial (Standard) Contoured Grid - 2V x 1H
White Grids

Installation Instructions

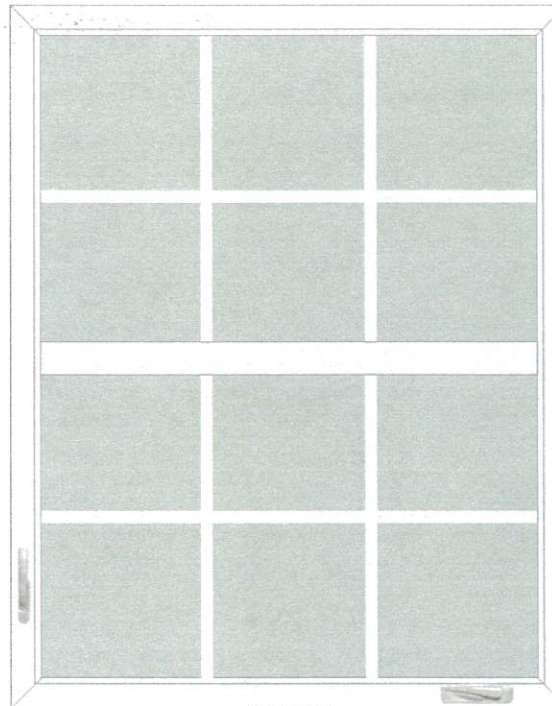


YOUR PROFESSIONAL-CLASS PRODUCT

Endure EN600 Series 625 - 1-Lite Casement - Hinged Left (OLI)



OUTSIDE VIEW



INSIDE VIEW

SIZING

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Opening Height Range: 43 1/4" to 43 1/2"
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Operable Glass Viewable Size: 29 7/8" x 38 3/8"
Full Screen: 30 13/16" x 39 5/16"
Casement Screen Notch: 13 15/16"

Structural

N/A

Installation Instructions



ENERGY

ENERGY PERFORMANCE RATINGS

U-Factor (U.S./I-P) Solar Heat Gain Coefficient

0.25 0.19

ADDITIONAL PERFORMANCE RATINGS

Visible Transmittance Condensation Resistance

0.43 61.00

Air Infiltration (cfm/ft2)

<= 0.02

ENERGY STAR

North-Central / South-Central /
Southern Regions



877.389.0835
2150 State Route 39
Sugar Creek, OH 44681

QUOTE INFORMATION

Job: Keenan

Tag: Jack Bd Back Opt B

Qty: 1

DETAILS

Endure Window - EN600 Series

625 - 1-Lite Casement - Hinged Left (OLI)

White

Exact Size: 34 1/2" x 43"

Non-Washable Casement Hinge

Egress

ROTO Hardware

White Lock-out Crank Handle

INNERGY Thermal Sash Reinforcement

White Simulated Meeting Rail (Horizontal)

Extruded Full Screen (White) with BetterVue Screen Mesh

Push/Pull Pins for Casement Screen

Graphite Foam Insulation

Sill Extender

ComforTech DLA-UV

Single Strength Glass

3/4" IG Thickness

Colonial Contoured Grid - 2V x 3H

White Grids

INFORMATION AND WARNINGS

Egress screen will have push/pull pins.

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VILLAGE OF WARWICK
INCORPORATED 1887



RECEIVED

11/20/24

CHC

Certificate of No Exterior Effect Application

Architectural and Historic Review Board (AHRB)

Application Fee \$50.00

☒ Paid Check #

1023 50

Applicant Information

Date 11/20/24

Name: Oakwell Development

Mailing Address: 15 Oakland Court

Phone Number: 917 363 4271 Alt. Phone Number _____

Email Address: eloberg1222@gmail.com

Project Information

Business Name (if applicable) Oakwell Development

Project Address: 23 West Street S/B/L # _____

Property Owner: Oakwell Development

* The certificate of no exterior effect or certificate of appropriateness required under §7-7 and §7-8 of this chapter as a condition precedent to any alteration relating to any improvement in property located within the (Historic) district.

Be sure to carefully read through the application and complete all sections and provide all requested information. Any missing or incorrect information will result in delays with the application process.

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The following information must be included with the application:

1. A typed letter addressed to the Architectural and Historic Review Board describing the intent of the project, please be sure to include details such as exterior aesthetic renovations, additions, and changes.
2. Include (if applicable) renderings such as site plans, examples of paint/stain colors, roofing, siding, windows/trim, chimneys, fencing, retaining walls, lighting, landscaping, paving, walkways, porches/decks, steps and any other exterior designs elements and materials.
 - a. If the project includes renderings or sight plans, please include (4) four paper copies as well as an electronic copy in the form of a PDF.

Completed applications along with all required paperwork can be dropped off or mailed to Village Hall, Attn. Building Planning Department, P.O. Box 369, 77 Main Street, Warwick, NY 10990 and/or emailed to: planning@villageofwarwick.org

The certificate of no exterior effect or certificate of appropriateness required under §7-7 and §7-8 of this chapter as a condition precedent to any alteration relating to any improvement in property located within the district; including but not limited to houses, stores, warehouses, churches, schools, barns, fences, outhouses, pumps, gravestones, light fixtures, outdoor signs and other outdoor advertising fixtures. §7-3

§ 7-6. Regulation of alterations.

A. It shall be unlawful for any owner or person occupying property located within the district, or any other person, to make, permit or maintain any alteration to any improvement located within the district unless the Board has previously issued a certificate of no exterior effect or a certificate of appropriateness.

B. No application shall be approved and no permit shall be granted by the Building Inspector, Planning Board, Zoning Board of Appeals or Board of Trustees regarding the alteration of any improvement located within the district unless a certificate of no exterior effect or of appropriateness has been obtained from the Board. When such an application is received by the Building Inspector, Planning Board, Zoning Board of Appeals or Board of Trustees, a copy shall be sent to the Board, accompanied by a request for a certificate of appropriateness in relation to the work specified in the application.

The AHDRB meets on the 1st Tuesday of the month.

Please carefully review your application to ensure all required information is included with submission.

Any missing information will cause delays in the procedure.

Applicant Signature



Date

11/20/25

Internal Use Only

☐ Application complete as per code

☐ Application reviewed by the AHDRB on _____ meeting date

☐ Approved

☐ Approved with modifications

☐ Denied

☐ Certificate of No Exterior Effect issued _____ date

☐ Applicant notified via email/letter

☐ Building Inspector, Mayor, Village Board, Planning Board, and ZBA have been notified of the decision. §7-12B

Existing Conditions
Building Exterior + Site



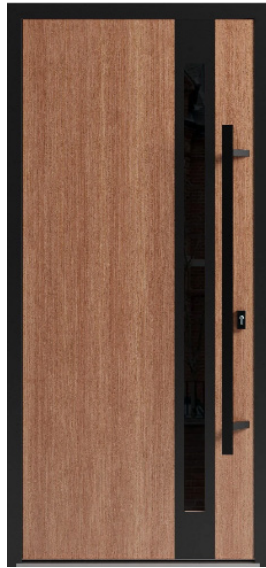


Aesthetic Direction
Concept A



Aesthetic Direction
Concept A

2
3



Rendered View

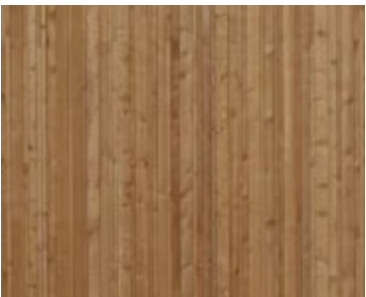
Aesthetic Direction
Concept A



Aesthetic Direction
Concept B



Aesthetic Direction
Concept B



Rendered View

Aesthetic Direction
Concept B



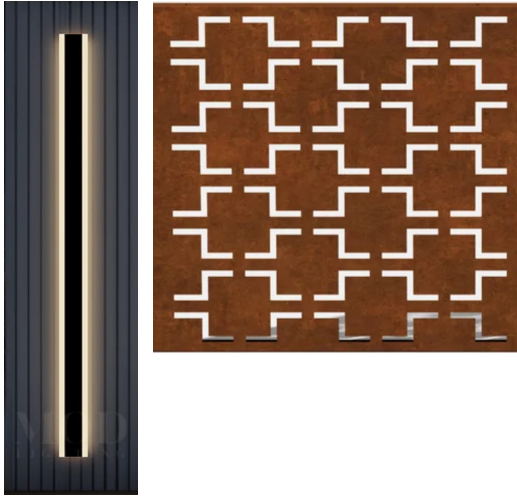


Aesthetic Direction

Concept C



Aesthetic Direction
Concept C



Rendered View

Aesthetic Direction
Concept C





VILLAGE OF WARWICK

INCORPORATED 1867

Certificate of No Exterior Effect Application

Architectural and Historic Review Board (AHDRB)

Application Fee \$50.00

☐ Paid Check # _____

Applicant Information

Date 11/18/2024

Name: Luis Leyva of Tesla Energy Operations

Mailing Address: 1073 Route 94, Ste 4, New Windsor, NY 12553

Phone Number: (845) 275-6011 Alt. Phone Number (201) 398-3003

Email Address: NewWindsorPic@Tesla.com

Project Information

Business Name (if applicable) 6 Third st

Project Address: 6 Third St, Warwick, NY 10990 S/B/L # 213 / 4 / 2

Property Owner: Tia Thomson

* The certificate of no exterior effect or certificate of appropriateness required under §7-7 and §7-8 of this chapter as a condition precedent to any alteration relating to any improvement in property located within the (Historic) district.

Be sure to carefully read through the application and complete all sections and provide all requested information. Any missing or incorrect information will result in delays with the application process.

Please read the Village of Warwick Zoning Code, Article VIII Warwick Village Historic District §145-24 through §145-24.1, for information such as criteria, procedure, exceptions, etc.

The Zoning Code is available on the Village's website: www.villageofwarwick.org

Please read the Village of Warwick Code, Architectural and Historic District §5-1 through §5-6 and §7-1 through §7-14. The Village of Warwick Code is available on the Village's website: www.villageofwarwick.org

The following information must be included with the application:

1. A typed letter addressed to the Architectural and Historic Review Board describing the intent of the project, please be sure to include details such as exterior aesthetic renovations, additions, and changes.
2. Include (if applicable) renderings such as site plans, examples of paint/stain colors, roofing, siding, windows/trim, chimneys, fencing, retaining walls, lighting, landscaping, paving, walkways, porches/decks, steps and any other exterior designs elements and materials.
 - a. If the project includes renderings or sight plans, please include (4) four paper copies as well as an electronic copy in the form of a PDF.

Completed applications along with all required paperwork can be dropped off or mailed to Village Hall, Attn. Building/Planning Department, P.O. Box 369, 77 Main Street, Warwick, NY 10990 and/or emailed to: planning@villageofwarwick.org

The certificate of no exterior effect or certificate of appropriateness required under §7-7 and §7-8 of this chapter as a condition precedent to any alteration relating to any improvement in property located within the district; including but not limited to houses, stores, warehouses, churches, schools, barns, fences, outhouses, pumps, gravestones, light fixtures, outdoor signs and other outdoor advertising fixtures. §7-3

§ 7-6. Regulation of alterations.

A. It shall be unlawful for any owner or person occupying property located within the district, or any other person, to make, permit or maintain any alteration to any improvement located within the district unless the Board has previously issued a certificate of no exterior effect or a certificate of appropriateness.

B. No application shall be approved and no permit shall be granted by the Building Inspector, Planning Board, Zoning Board of Appeals or Board of Trustees regarding the alteration of any improvement located within the district unless a certificate of no exterior effect or of appropriateness has been obtained from the Board. When such an application is received by the Building Inspector, Planning Board, Zoning Board of Appeals or Board of Trustees, a copy shall be sent to the Board, accompanied by a request for a certificate of appropriateness in relation to the work specified in the application.

The AHDRB meets on the 1st Tuesday of the month.

Please carefully review your application to ensure all required information is included with submission.

Any missing information will cause delays in the procedure.

Applicant Signature Luis Alegra Date 11/18/2024

Internal Use Only

☐ Application complete as per code

☐ Application reviewed by the AHDRB on _____
meeting date

☐ Approved

☐ Approved with modifications

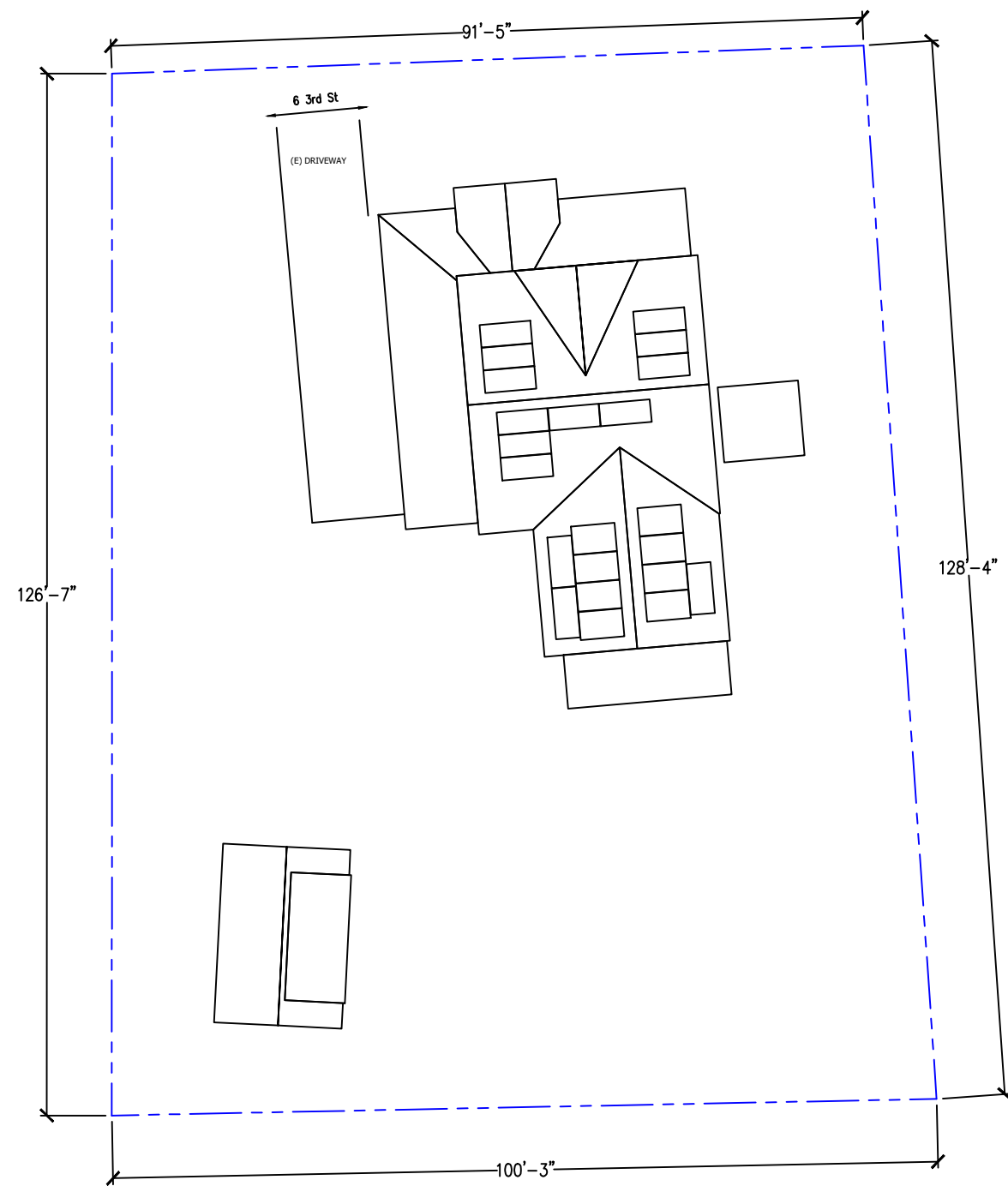
☐ Denied

☐ Certificate of No Exterior Effect issued _____
date

☐ Applicant notified via email/letter

☐ Building Inspector, Mayor, Village Board, Planning Board, and ZBA have been notified of the decision. §7-12B

ABBREVIATIONS A AMPERE AC ALTERNATING CURRENT BLDG BUILDING CONC CONCRETE DC DIRECT CURRENT EGC EQUIPMENT GROUNDING CONDUCTOR (E) EXISTING EMT ELECTRICAL METALLIC TUBING FSB FIRE SET-BACK GALV GALVANIZED GEC GROUNDING ELECTRODE CONDUCTOR GND GROUND HDG HOT DIPPED GALVANIZED I CURRENT Imp CURRENT AT MAX POWER Isc SHORT CIRCUIT CURRENT kVA KILOVOLT AMPERE kW KILOWATT LBW LOAD BEARING WALL MIN MINIMUM (N) NEW NEUT NEUTRAL NTS NOT TO SCALE OC ON CENTER PL PROPERTY LINE POI POINT OF INTERCONNECTION PV PHOTOVOLTAIC SCH SCHEDULE S STAINLESS STEEL STC STANDARD TESTING CONDITIONS TYP TYPICAL UPS UNINTERRUPTIBLE POWER SUPPLY V VOLT Vmp VOLTAGE AT MAX POWER Voc VOLTAGE AT OPEN CIRCUIT W WATT 3R NEMA 3R, RAINTIGHT		ELECTRICAL NOTES 1. THIS SYSTEM IS GRID-INTERTIED VIA A UL-LISTED POWER-CONDITIONING INVERTER. 2. A NATIONALLY – RECOGNIZED TESTING LABORATORY SHALL LIST ALL EQUIPMENT IN COMPLIANCE WITH ART. 110.3. 3. WHERE ALL TERMINALS OF THE DISCONNECTING MEANS MAY BE ENERGIZED IN THE OPEN POSITION, A SIGN WILL BE PROVIDED WARNING OF THE HAZARDS PER ART. 690.17. 4. EACH UNGROUNDED CONDUCTOR OF THE MULTIWIRE BRANCH CIRCUIT WILL BE IDENTIFIED BY PHASE AND SYSTEM PER ART. 210.5. 5. CIRCUITS OVER 250V TO GROUND SHALL COMPLY WITH ART. 250.97, 250.92(B). 6. DC CONDUCTORS EITHER DO NOT ENTER BUILDING OR ARE RUN IN METALLIC RACEWAYS OR ENCLOSURES TO THE FIRST ACCESSIBLE DC DISCONNECTING MEANS PER ART. 690.31(E). 7. ALL WIRES SHALL BE PROVIDED WITH STRAIN RELIEF AT ALL ENTRY INTO BOXES AS REQUIRED BY UL LISTING. 8. MODULE FRAMES SHALL BE GROUNDED AT THE UL – LISTED LOCATION PROVIDED BY THE MANUFACTURER USING UL LISTED GROUNDING HARDWARE. 9. MODULE FRAMES, RAIL, AND POSTS SHALL BE BONDED WITH EQUIPMENT GROUND CONDUCTORS.		JURISDICTION NOTES ALL WORK TO COMPLY WITH SECTION R327 OF THE 2020 RESIDENTIAL CODE OF NYS. STATE OF NEW YORK XIAOJIAN XIE LICENSED PROFESSIONAL ENGINEER 105800																													
LICENSE MODULE GROUNDING METHOD: ZEP SOLAR AHJ: Warwick Village UTILITY: Orange and Rockland (NY)		GENERAL NOTES 1. ALL WORK SHALL COMPLY WITH THE 2020 NYS UNIFORM CODE. 2. ALL ELECTRICAL WORK SHALL COMPLY WITH THE 2017 NATIONAL ELECTRIC CODE. 3. ALL WORK SHALL COMPLY WITH THE 2020 NYS FIRE CODE. 4. ALL WORK SHALL COMPLY WITH THE 2020 BUILDING CODE OF NYS. 5. ALL WORK SHALL COMPLY WITH THE 2020 RESIDENTIAL CODE OF NYS. 6. ALL WORK SHALL COMPLY WITH THE 2020 EXISTING BUILDING CODE OF NYS.		VICINITY MAP			INDEX Sheet 1COVER SHEET Sheet 2PROPERTY PLAN Sheet 3SITE PLAN Sheet 4STRUCTURAL VIEWS Sheet 5UPLIFT CALCULATIONS Sheet 6THREE LINE DIAGRAM Sheet 7FREE STAND MOUNTING DETAIL Sheet 8ESS LOCATION PHOTOS Sheet 9AERIAL RENDERING Sheet 10SITE PLAN PLACARD Cutsheets Attached <table><tr><th>REV</th><th>BY</th><th>DATE</th><th>COMMENTS</th></tr><tr><td>REV A</td><td>BP</td><td>3/20/24</td><td>BOS updated</td></tr><tr><td>REV B</td><td>DC</td><td>11/8/2024</td><td>AHJ updated. Layout change. Tie in change.</td></tr><tr><td>*</td><td>*</td><td>*</td><td>*</td></tr><tr><td>*</td><td>*</td><td>*</td><td>*</td></tr><tr><td>*</td><td>*</td><td>*</td><td>*</td></tr></table>			REV	BY	DATE	COMMENTS	REV A	BP	3/20/24	BOS updated	REV B	DC	11/8/2024	AHJ updated. Layout change. Tie in change.	*	*	*	*	*	*	*	*	*	*	*	*
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PROPERTY PLAN

Scale: 1" = 20'-0"

0

20'

40'

N

E

S

W

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John Thomson
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Warwick, NY 10990

8455983759

DESCRIPTION:

8.91 KW PV ARRAY
27 KWH ENERGY STORAGE SYSTEM

PAGE NAME:

PROPERTY PLAN

DESIGN:

David Caropresi

SIGNATURE:

David Caropresi

SHEET:

2

REV:

B

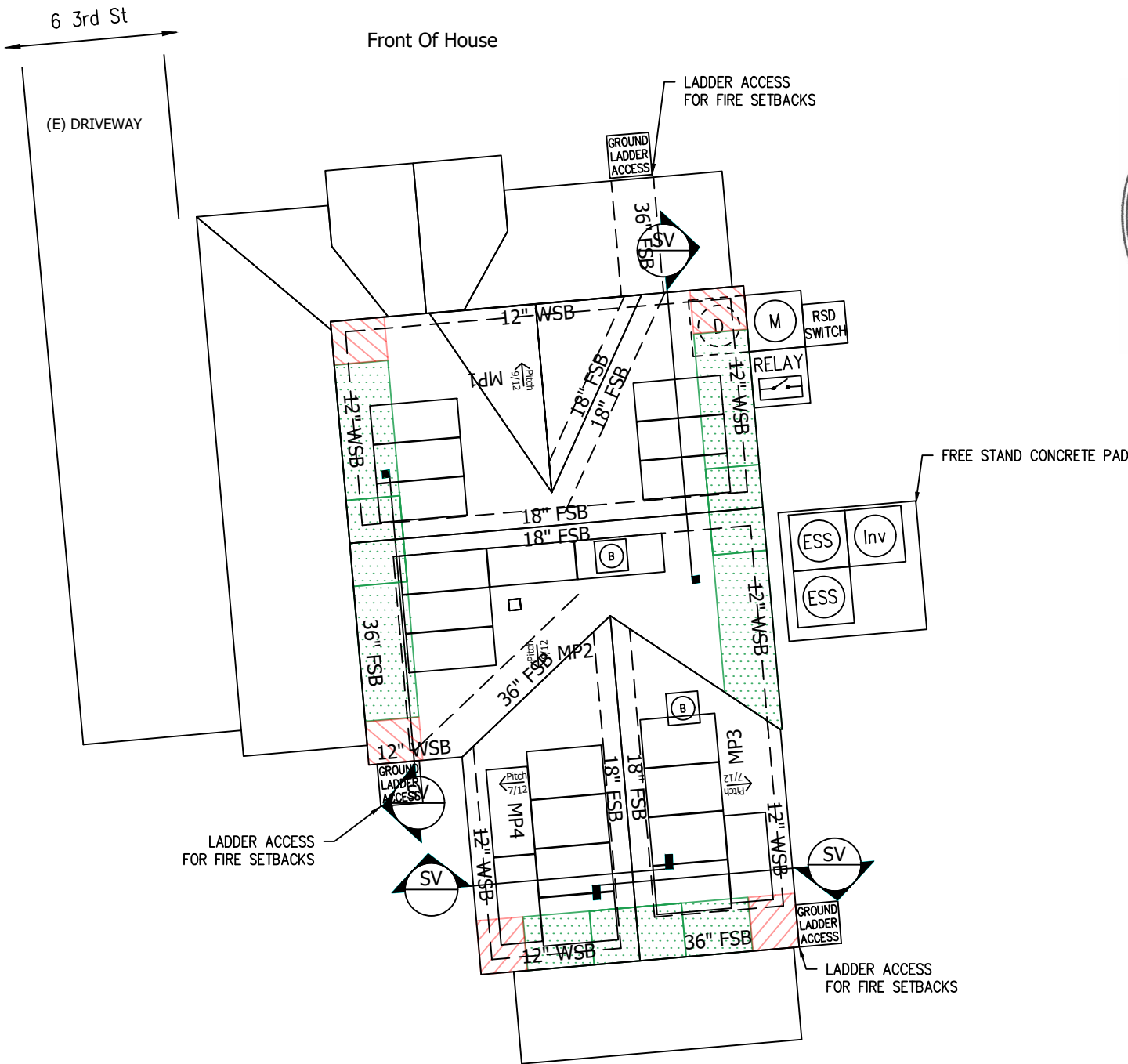
DATE:

11/8/2024



UTILITY: ORANGE AND ROCKLAND (NY)

HATCHING INDICATES WIND PRESSURE ZONES. SEE THE STANDOFF SPACING AND LAYOUT TABLE FOR MORE INFORMATION.

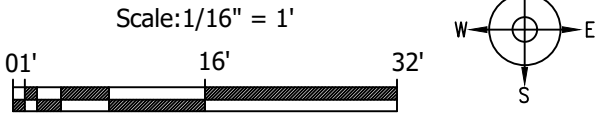


MP1	PITCH: 37° (9:12) ARRAY PITCH: 37° (9:12) AZIMUTH: 355 ARRAY AZIMUTH: 355 MATERIAL: Comp Shingle STORY: 2 Stories
MP2	PITCH: 37° (9:12) ARRAY PITCH: 37° (9:12) AZIMUTH: 175 ARRAY AZIMUTH: 175 MATERIAL: Comp Shingle STORY: 2 Stories
MP3	PITCH: 31° (7:12) ARRAY PITCH: 31° (7:12) AZIMUTH: 85 ARRAY AZIMUTH: 85 MATERIAL: Comp Shingle STORY: 2 Stories
MP4	PITCH: 31° (7:12) ARRAY PITCH: 31° (7:12) AZIMUTH: 265 ARRAY AZIMUTH: 265 MATERIAL: Comp Shingle STORY: 2 Stories

LEGEND

- (M) (E) UTILITY METER & WARNING LABEL
- (Inv) INVERTER W/ INTEGRATED DC DISCO & WARNING LABELS
- RELAY AUTOMATIC RELAY
- DC DC DISCONNECT & WARNING LABELS
- AC AC DISCONNECT & WARNING LABELS
- (B) DC JUNCTION/COMBINER BOX & LABELS
- (ESS) ENERGY STORAGE SYSTEM FOR STAND ALONE OPERATION
- (D) DISTRIBUTION PANEL & LABELS
- (LC) LOAD CENTER & WARNING LABELS
- (M) DEDICATED PV SYSTEM METER
- (RSD) RAPID SHUTDOWN
- STANDOFF LOCATIONS
- CONDUIT RUN ON EXTERIOR
- - - CONDUIT RUN ON INTERIOR
- - - GATE/FENCE
- HEAT PRODUCING VENTS ARE RED
- - - INTERIOR EQUIPMENT IS DASHED

SITE PLAN



NOTE:

ESS UNITS TO BE MOUNTED ON FREE STAND MOUNT

ESS TO MAINTAIN A MINIMUM 3' SETBACK FROM ALL DOORS AND WINDOWS

TOTAL ARRAY AREA (SF): 477
TOTAL ROOF AREA (SF): 2348
TOTAL ARRAY AREA IS ~ 20.31 PERCENT OF TOTAL ROOF AREA

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INVERTER:	Tesla Powerwall 3 [240V] # 1707000-XX-Y 11.5 kW / 13.5 kWh

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8455983759

DESCRIPTION:

8.91 KW PV ARRAY
27 KWH ENERGY STORAGE SYSTEM

PAGE NAME:

SITE PLAN

DESIGN:

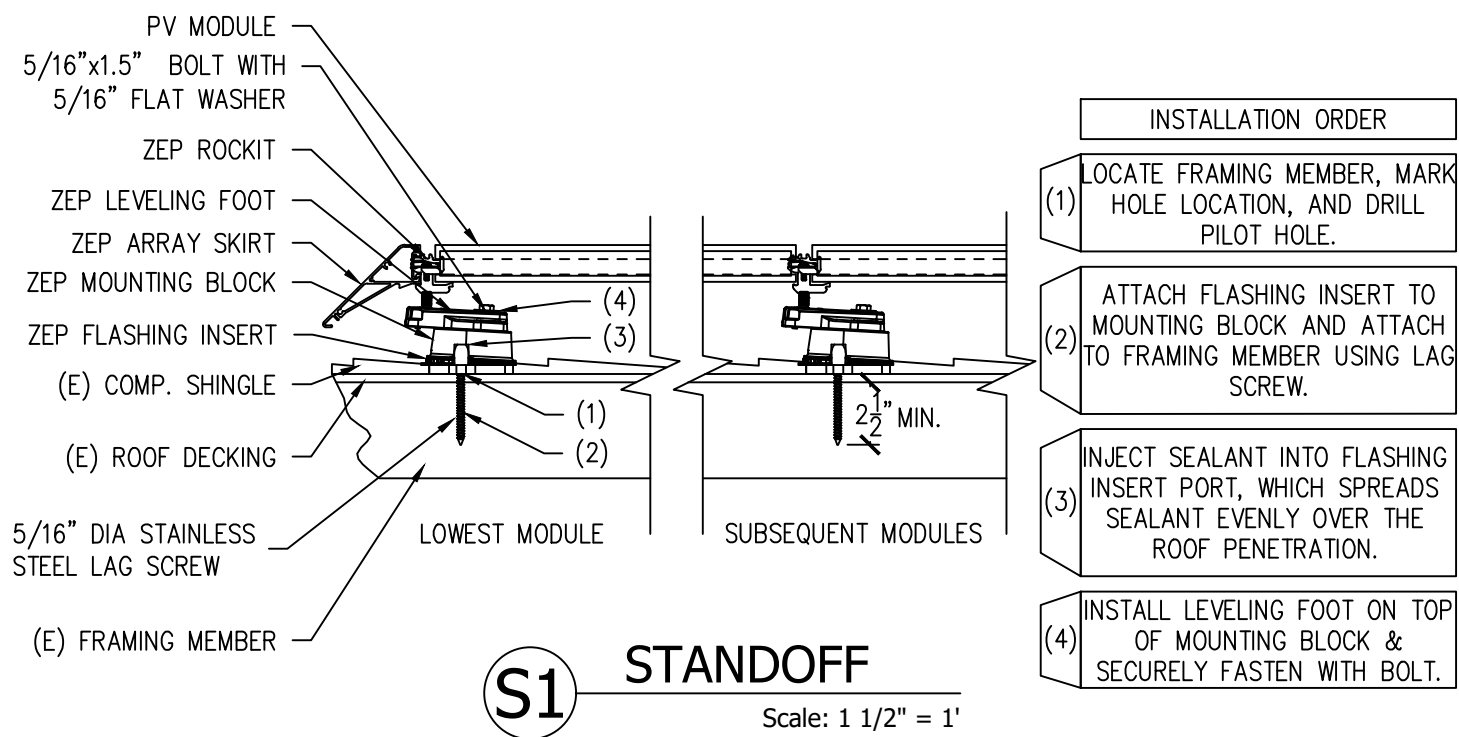
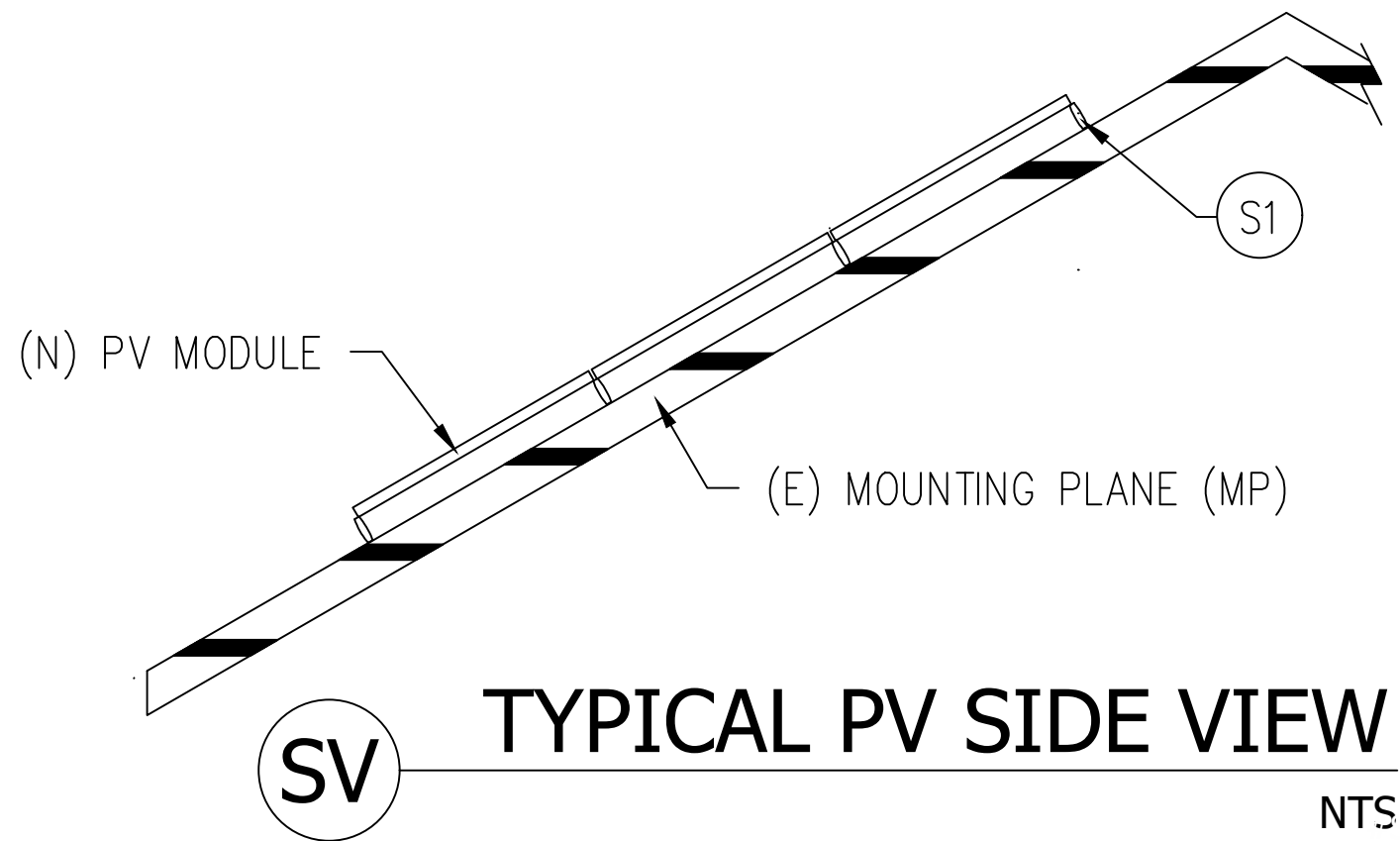
David Caropresi

SIGNATURE:

David Caropresi

SHEET: 3 REV: B DATE: 11/8/2024





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PAGE NAME:
STRUCTURAL VIEWS

DESIGN:
David Caropresi
SIGNATURE:
David Caropresi

SHEET: 4 REV: B DATE: 11/8/2024

TESLA



Jobsite Specific Design Criteria			
Design Code		ASCE 7-16	
Risk Category		II	Table 1.5-1
Ultimate Wind Speed	V-Ult	115	Fig. 1609A
Exposure Category		C	Section 26.7
Ground Snow Load	pg	40	Table 7-1

MP Specific Design Information				
MP Name	MP1	MP2	MP3	MP4
Roofing	Comp Shingle	Comp Shingle	Comp Shingle	Comp Shingle
Standoff	ZS Comp V4 w Flashing-Insert	ZS Comp V4 w Flashing-Insert	ZS Comp V4 w Flashing-Insert	ZS Comp V4 w Flashing-Insert
Pitch	37	37	31	31
SL/RLL: PV	15.2	15.2	18.0	18.0
SL/RLL: Non-PV	27.7	27.7	27.7	27.7
Edge Zone Width	3.8 ft	3.8 ft	3.8 ft	3.8 ft
Azimuth	355	175	85	265
Stories	2	2	2	2
Rafter Size/Spacing	2x8 @24" OC	2x8 @24" OC	2x6 @24" OC	2x6 @24" OC
CJ Size/Spacing	2x6 @24" OC	2x6 @24" OC	2x6 @24" OC	2x6 @24" OC

Standoff Spacing and Layout				
MP Name	MP1	MP2	MP3	MP4
Applied Wind Zones	1, 2a, 2r	1, 2a, 2r	1, 2a, 2r	1, 2a, 2r
Wind Pressure	-16.99	-16.99	-16.99	-16.99
Landscape X-Spacing	72	72	72	72
Landscape X-Cantilever	24	24	24	24
Landscape Y-Spacing	41	41	41	41
Landscape Y-Cantilever	-	-	-	-
Portrait X-Spacing	48	48	48	48
Portrait X-Cantilever	16	16	16	16
Portrait Y-Spacing	74	74	74	74
Portrait Y-Cantilever	-	-	-	-
Layout	Staggered	Staggered	Staggered	Staggered

Applied Wind Zones	2n, 3r	2n, 3r	2n, 3r	2n, 3r
Wind Pressure	-20.18	-20.18	-20.18	-20.18
Landscape X-Spacing	72	72	72	72
Landscape X-Cantilever	24	24	24	24
Landscape Y-Spacing	41	41	41	41
Landscape Y-Cantilever	-	-	-	-
Portrait X-Spacing	24	24	24	24
Portrait X-Cantilever	16	16	16	16
Portrait Y-Spacing	74	74	74	74
Portrait Y-Cantilever	-	-	-	-
Layout	Staggered	Staggered	Staggered	Staggered

Applied Wind Zones	3e	3e	3e	3e
Wind Pressure	-24.95	-24.95	-24.95	-24.95
Landscape X-Spacing	48	48	48	48
Landscape X-Cantilever	23	23	23	23
Landscape Y-Spacing	41	41	41	41
Landscape Y-Cantilever	-	-	-	-
Portrait X-Spacing	24	24	24	24
Portrait X-Cantilever	13	13	13	13
Portrait Y-Spacing	74	74	74	74
Portrait Y-Cantilever	-	-	-	-
Layout	Staggered	Staggered	Staggered	Staggered

Notes:
1. X and Y are maximums that are always relative to the structure framing that supports the PV. X is across rafters and Y is along rafters.
2. Hatching in Applied Wind Zone rows corresponds to hatching on Site Plan.

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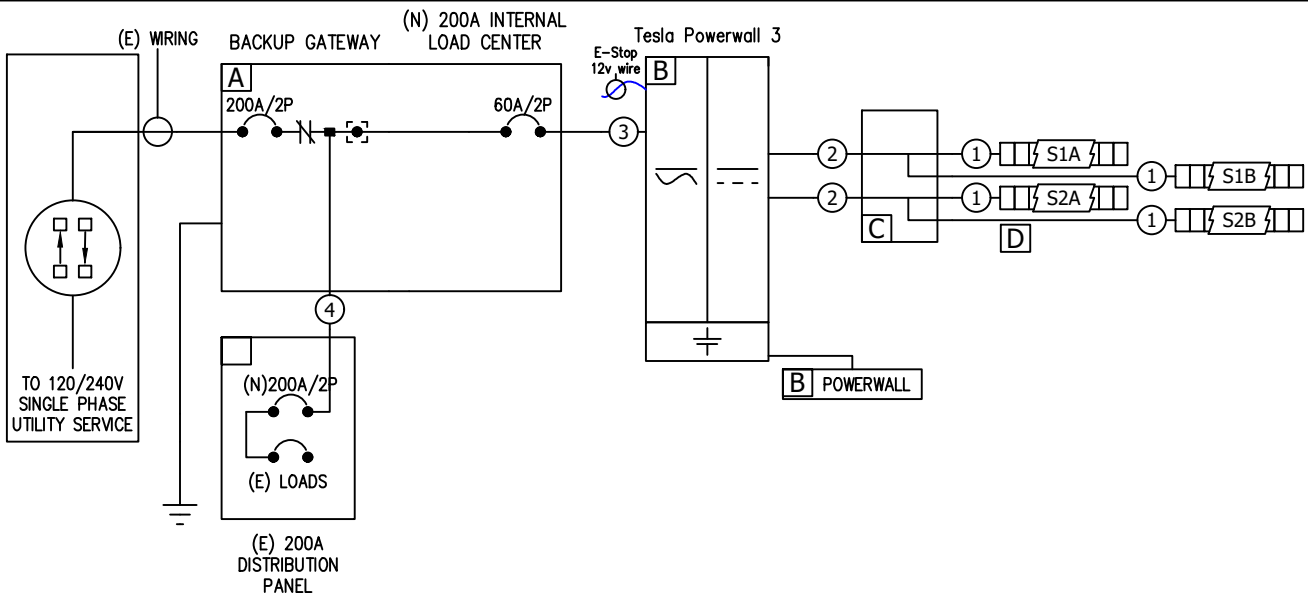
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8455983759

DESCRIPTION: 8.91 KW PV ARRAY
27 KWH ENERGY STORAGE SYSTEM
PAGE NAME: UPLIFT CALCULATIONS

DESIGN: David Caropresi
SIGNATURE: David Caropresi
SHEET: 5 REV: B DATE: 11/8/2024





UTILITY: ORANGE AND ROCKLAND (NY)

EGC ON ROOF TO BE ROUTED WHERE NOT SUBJECT TO PHYSICAL DAMAGE.
WHEN ROUTED SUBJECT TO PHYSICAL DAMAGE THE SIZE MUST BE INCREASED
TO #6 SOLID BARE COPPER.

1. GROUND NEUTRAL BOND TO BE COMPLETED IN SERVICE EQUIPMENT (A)
2. CONDUIT RUNS MAY BE CONDENSED DUE TO SITE CONDITIONS AND/OR INSTALLATION EASE. ALL CONDUIT FILL DERATES AND PROPER CALCULATIONS HAVE BEEN COMPLETED PER NEC CHAPTER 9, TABLE 4.
3. SOLAR SHUTDOWN DEVICE TO BE INSTALLED FOR SYSTEM RAPID SHUTDOWN (RSD) IN ACCORDANCE WITH ARTICLE 690 OF THE APPLICABLE NEC.
4. CONDUIT TYPE CAN CHANGE DUE TO SITE CONDITIONS AND WILL FOLLOW THE NEC REQUIREMENTS FOR THAT CONDUIT TYPE.

PARTS			DC CONDUCTOR TABLE										
Ref	Qty	Description	Ref	Type	Qty	Size (AWG, Cu)	EGC (AWG, Cu)	Conduit	Isc (ADC)	Imp (ADC)			
A	1	Breaker; 60A/2P, 2 Spaces	1	PV Wire	2	#10	SBC #06	3/4" EMT	11.17	10.83			
	1	200A Main Circuit Breaker; 2-Pole, 240V, 10kAIC	2	THWN-2/THWN	2	#08	#10	3/4" EMT	22.34	21.66			
	1	Tesla # 1841000-XX-Y: Back-up Gateway 3.0 NA for PW	AC CONDUCTOR TABLE										
B	1	Powerwall 3 Expansion Tesla Inc [240V] # 1807000-XX-Y 13.5 kWh	Ref	Type	Qty	Size (AWG)		Min EGC (AWG, Cu)	Conduit		Length (ft)	Imp (AAC)	Vmp (VAC)
	1	Tesla Powerwall 3 [240V] # 1707000-XX-Y 11.5 kW / 13.5 kWh				(Cu)	(Al)		(Cu)	(Al)			
C	1	JUNCTION BOX, 4 STRING	3	THWN-2	3	#06	#04	#10	PVC Jacketed MC	1" EMT	5ft	48	240
D	8	Tesla MCI, 650V, 12A	4	THWN-2	3	#2/0	#4/0	#06	2" PVC	2" PVC	2ft	-	240
E	1	UL 508 Emergency Stop Device - NEMA 4X											

E

12V

Emergency Stop Button (E-Stop)

- Rapid Shutdown Initiation Device per Article 690.12(c) of the NEC
- Disconnecting Means as defined in Article 100 of the NEC
- Connection to generation sources with 12V, 1A communication wire

SITE SPECIFICATIONS		MODULE SPECIFICATIONS	
Main Panel Rating	(E) 200A	Hanwha Qcells # Q.PEAK DUO BLK ML-G10+/TS 405: PV Module, 405W, 376.3WPTC, ZEP, Black Frame, MC4, 1000V	
Main Breaker Rating	(N) 200A		
General Notes	DC Ungrounded Inverters	Qty	22
		Voc	45.34
Panel Number	HOM2040M200PC	Vmp	37.39
		Isc and Imp are in the DC Conductor Table	
Meter Number	701293433		
Service Entrance	Overhead		

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PAGE NAME: THREE LINE DIAGRAM

DESIGN: David Caropresi

SIGNATURE: David Caropresi

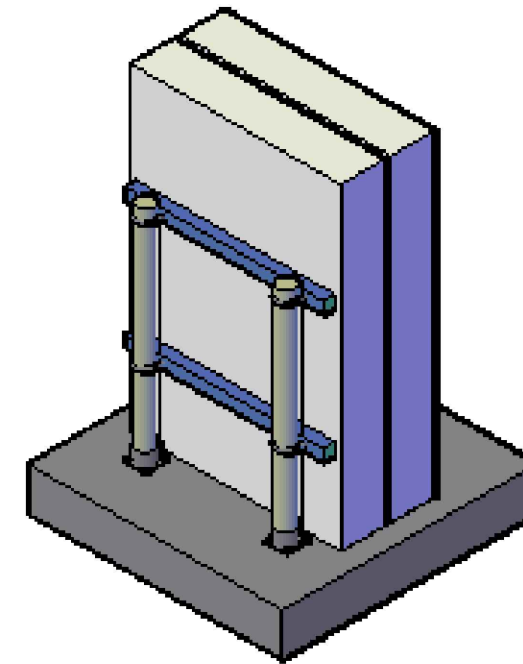
SHEET: 6 REV: B DATE: 11/8/2024

TESLA

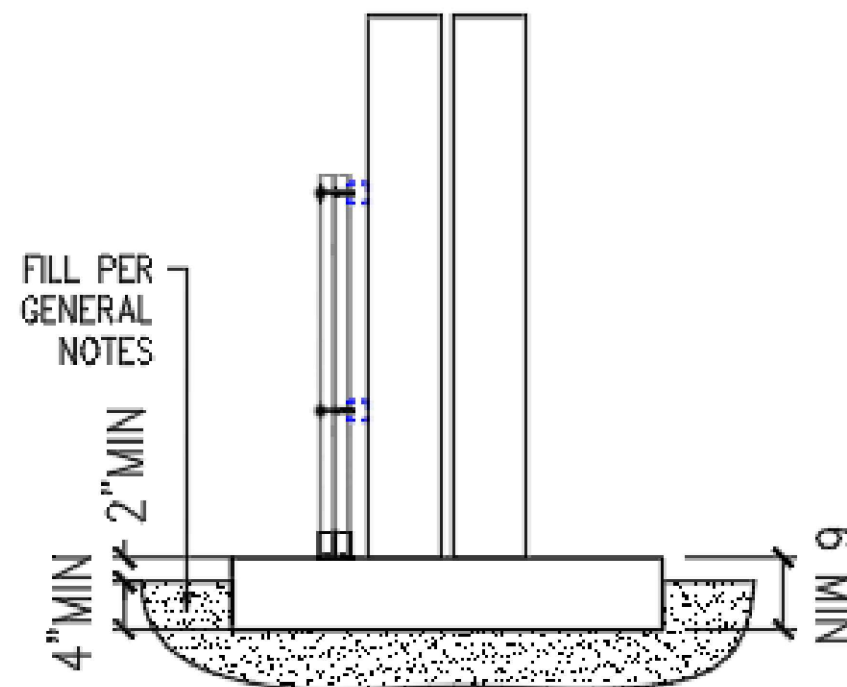
GENERAL NOTES

- WITHIN PERIMETER OF THE PAD EXCAVATE AND REMOVE ALL LOOSE AND ORGANIC MATERIAL. COMPACT IN PLACE SOILS TO A LEVEL SURFACE. CONCRETE TO BE EMBEDDED INTO SOIL, PER DETAIL. COMPACT & FILL 4" THICK BASE OF CRUSHED, COURSE STONE WHEN 10PSF OR MORE GROUND SNOW LOAD IS EXPECTED IN SITE SPECIFIC DESIGN CRITERIA.
- CONCRETE USED FOR SLABS SHALL HAVE MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS. WORK CAN BEGIN 14 DAYS AFTER PAD IS POURED.
- CONCRETE REINFORCING SHALL MEET TEMPERATURE AND SHRINKAGE REQUIREMENTS OF ACI 318.
 - #4 REBARS $\leq 16"$ O.C. (BOTH WAYS)
 - ASTM A615 GRADE 60 (FY = 60000 PSI)
 - 3" COVER MIN FOR CONCRETE FACING SOIL
- POSTS SHALL BE 2" SCH 40 STEEL PIPES OR EQUIVALENT TESLA APPROVED POSTS.
- EACH POST TO BE ATTACHED TO PAD WITH A HOLLANDER PIPE FLANGE INSTALLED PER MANUFACTURER SPECIFICATIONS AND (4) 3/8" SIMPSON STRONG-TIE TITEN HD CONCRETE SCREWS (ESR-2713) W/ 2.5" EMBEDMENT MIN. OR EQUIVALENT CONCRETE ANCHOR APPROVED BY TESLA COMPLIANCE LETTER.
- ALL ITEMS TO BE CAST INTO CONCRETE, SUCH AS REINFORCING, SHALL BE SECURELY AND ACCURATELY POSITIONED INTO THE FORMS PRIOR TO PLACING THE CONCRETE.
- CONCRETE ANCHORS SHALL BE INSTALLED WITH 6" MIN EDGE DISTANCE FROM ALL EDGES OF THE PAD. TYPICAL SPACING BETWEEN POSTS SUPPORTING THE SAME PW IS 20" ON CENTER. POSTS SHALL BE SPACED 12" MIN, ON CENTER FROM POSTS OF OTHER BAYS WHEN APPLICABLE.
- 1-5/8" STRUTS AND HARDWARE SHALL BE USED TO ATTACH ELECTRICAL EQUIPMENT TO POSTS.
- TO ATTACH THE STRUTS TO POSTS, USE 5/16" DIAMETER U-BOLT WITH HEX NUTS AND WASHERS.
- TO ATTACH THE POWERWALL BRACKET TO THE STRUTS, USE AT LEAST FOUR (ONE ON EACH CORNER) 1/4" HEX HEAD BOLTS WITH WASHERS AND STRUT NUTS.
- TO ATTACH THE LIGHT-WEIGHT EQUIPMENT TO STRUTS, USE TWO 1/4" HEX HEAD BOLTS WITH WASHERS AND STRUT NUTS.
- POWERWALL BRACKET NOT SHOWN FOR CLARITY.

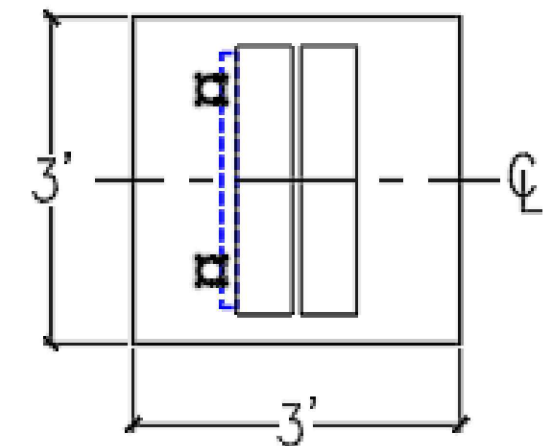
ISOMETRIC VIEW NTS



SIDE VIEW NTS



TOP VIEW NTS



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JOB NUMBER: JB-1095994 00

MOUNTING SYSTEM:
ZS Comp V4 w Flashing-Insert

MODULES:
(22) Hanwha Qcells # Q.PEAK DUO BLK ML-G10+/TS 405

INVERTER:
Tesla Powerwall 3 [240V] # 1707000-XX-Y 11.5 kW / 13.5 kWh

CUSTOMER:
John Thomson
6 3rd St
Warwick, NY 10990

8455983759

DESCRIPTION:
8.91 KW PV ARRAY
27 KWH ENERGY STORAGE SYSTEM

PAGE NAME:
FREE STAND MOUNTING DETAIL

DESIGN:
David Caropresi
SIGNATURE:
David Caropresi

SHEET: 7 REV: B DATE: 11/8/2024

TESLA

NOTE:

ESS UNITS TO BE STACK MOUNTED ON
FREE STAND MOUNT

ESS TO MAINTAIN A MINIMUM 3'
SETBACK FROM ALL DOORS AND
WINDOWS

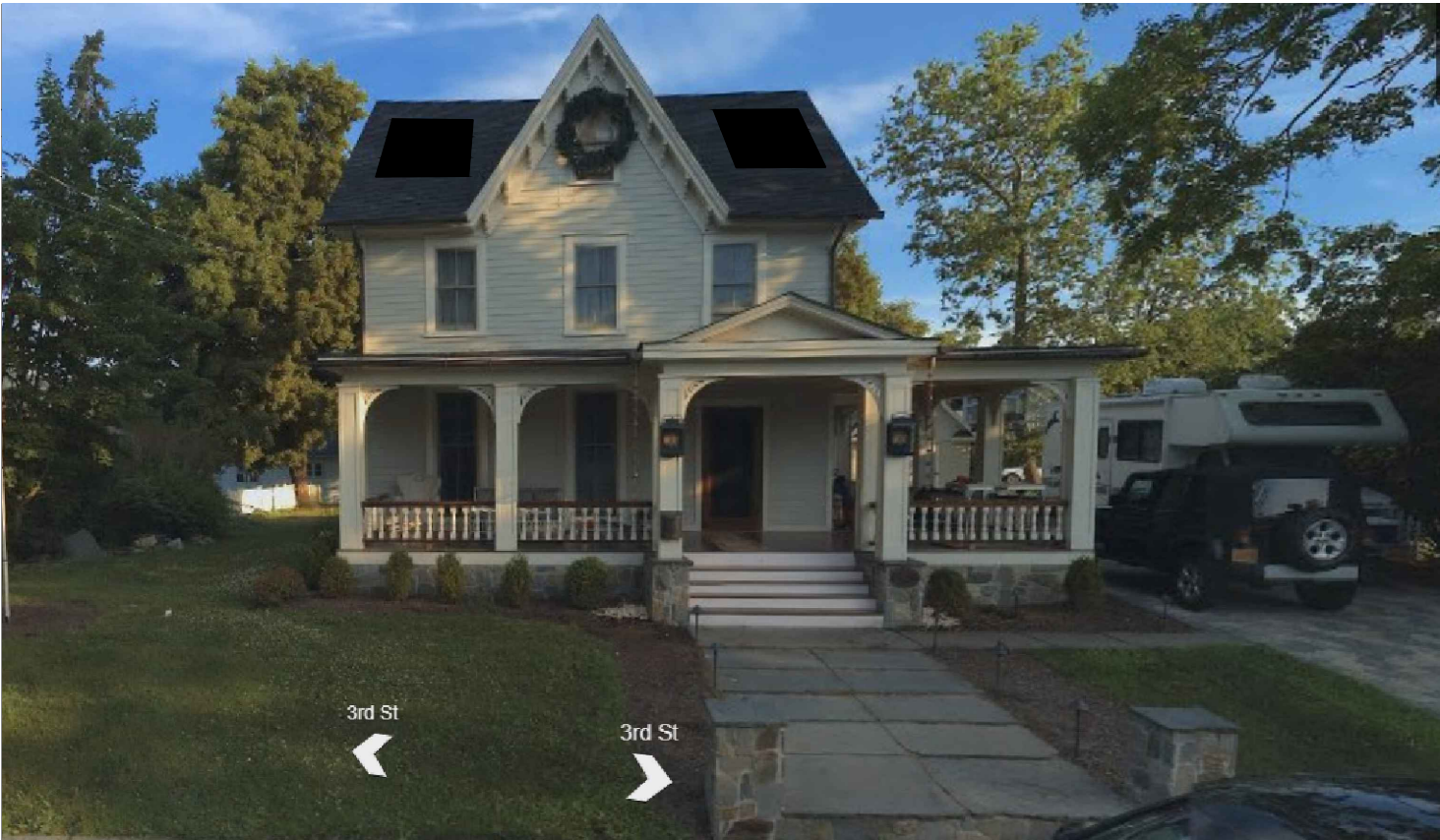


POWERWALL
POWERWALL

E-STOP

GATEWAY

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	MOUNTING SYSTEM: ZS Comp V4 w Flashing-Insert				
	MODULES: (22) Hanwha Qcells # Q.PEAK DUO BLK ML-G10+/TS 405				
	INVERTER: Tesla Powerwall 3 [240V] # 1707000-XX-Y 11.5 kW / 13.5 kWh				

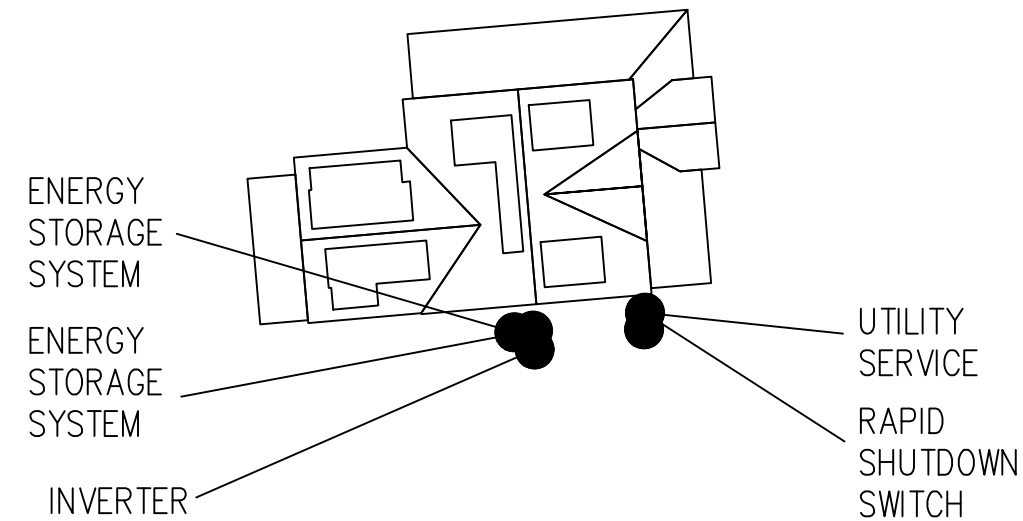


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	MOUNTING SYSTEM: ZS Comp V4 w Flashing-Insert				
	MODULES: (22) Hanwha Qcells # Q.PEAK DUO BLK ML-G10+/TS 405				
	INVERTER: Tesla Powerwall 3 [240V] # 1707000-XX-Y 11.5 kW / 13.5 kWh				

SOLAR PV SYSTEM EQUIPPED WITH RAPID SHUTDOWN

TURN RAPID SHUTDOWN SWITCH TO THE "OFF"
POSITION TO SHUT DOWN PV SYSTEM AND REDUCE
SHOCK HAZARD IN THE ARRAY
CAUTION: MULTIPLE SOURCES OF POWER

- Address: 6 3rd St



OPERATING VOLTAGE = 240V

JB-1095994-00

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PART TO OTHERS OUTSIDE THE RECIPIENT'S
ORGANIZATION, EXCEPT IN CONNECTION WITH
THE SALE AND USE OF THE RESPECTIVE
TESLA EQUIPMENT, WITHOUT THE WRITTEN
PERMISSION OF TESLA INC.

JOB NUMBER: JB-1095994 00

MOUNTING SYSTEM:
ZS Comp V4 w Flashing-Insert

MODULES:
(22) Hanwha Qcells # Q.PEAK DUO BLK ML-G10+/TS 405

INVERTER:
Tesla Powerwall 3 [240V] # 1707000-XX-Y 11.5 kW / 13.5 kWh

CUSTOMER:
John Thomson
6 3rd St
Warwick, NY 10990

8455983759

DESCRIPTION:
8.91 KW PV ARRAY
27 KWH ENERGY STORAGE SYSTEM

PAGE NAME:
SITE PLAN PLACARD

DESIGN:
David Caropresi
SIGNATURE:
David Caropresi

SHEET: 10 REV: B DATE: 11/8/2024

TESLA

WARNING: PHOTOVOLTAIC POWER SOURCE

Label Location:
(C)(CB)(JB)
Per Code:
NEC 690.31.G.3

Label Location:
(DC) (INV)
Per Code:
NEC 690.13.B

PHOTOVOLTAIC DC
DISCONNECT

MAXIMUM POWER-
POINT CURRENT (Imp) A
MAXIMUM POWER-
POINT VOLTAGE (Vmp) V
MAXIMUM SYSTEM
VOLTAGE (Voc) V
SHORT-CIRCUIT
CURRENT (Isc) A

Label Location:
(DC) (INV)
Per Code:
NEC 690.53

WARNING

ELECTRIC SHOCK HAZARD
IF A GROUND FAULT IS INDICATED
NORMALLY GROUNDED
CONDUCTORS MAY BE
UNGROUNDDED AND ENERGIZED

Label Location:
(DC) (INV)
Per Code:
690.41.B

WARNING

ELECTRICAL SHOCK HAZARD
DO NOT TOUCH TERMINALS
TERMINALS ON BOTH LINE AND
LOAD SIDES MAY BE ENERGIZED
IN THE OPEN POSITION
DC VOLTAGE IS
ALWAYS PRESENT WHEN
SOLAR MODULES ARE
EXPOSED TO SUNLIGHT

Label Location:
(DC) (CB)
Per Code:
CEC 690.13.B

PHOTOVOLTAIC AC
DISCONNECT

Label Location:
(AC) (POI)
Per Code:
NEC 690.13.B

MAXIMUM AC
OPERATING CURRENT A
MAXIMUM AC
OPERATING VOLTAGE V

Label Location:
(AC) (POI)
Per Code:
NEC 690.54

WARNING

ELECTRIC SHOCK HAZARD
DO NOT TOUCH TERMINALS
TERMINALS ON BOTH LINE AND
LOAD SIDES MAY BE ENERGIZED
IN THE OPEN POSITION

Label Location:
(AC)(POI)
Per Code:
NEC 690.13.B

WARNING

ELECTRIC SHOCK HAZARD
THE DC CONDUCTORS OF THIS
PHOTOVOLTAIC SYSTEM ARE
UNGROUNDDED AND
MAY BE ENERGIZED

Label Location:
(DC) (INV)

PHOTOVOLTAIC POINT OF
INTERCONNECTION
WARNING: ELECTRIC SHOCK
HAZARD. DO NOT TOUCH
TERMINALS. TERMINALS ON
BOTH THE LINE AND LOAD SIDE
MAY BE ENERGIZED IN THE OPEN
POSITION. FOR SERVICE
DE-ENERGIZE BOTH SOURCE
AND MAIN BREAKER.
PV POWER SOURCE
MAXIMUM AC A
OPERATING CURRENT
MAXIMUM AC V
OPERATING VOLTAGE

Label Location:
(POI)
Per Code:
CEC 690.13.B

CAUTION

DUAL POWER SOURCE
SECOND SOURCE IS
PHOTOVOLTAIC SYSTEM

Label Location:
(POI)
Per Code:
NEC 705.12.B.3

CAUTION

PHOTOVOLTAIC SYSTEM
CIRCUIT IS BACKFED

Label Location:
(D) (POI)
Per Code:
NEC 690.64.B.4

WARNING

INVERTER OUTPUT
CONNECTION
DO NOT RELOCATE
THIS OVERCURRENT
DEVICE

Label Location:
(POI)
Per Code:
NEC 705.12.B.2.3.b

(AC): AC Disconnect
(C): Conduit
(CB): Combiner Box
(D): Distribution Panel
(DC): DC Disconnect
(IC): Interior Run Conduit
(INV): Inverter With Integrated DC Disconnect
(LC): Load Center
(M): Utility Meter
(POI): Point of Interconnection

BACKUP LOAD CENTER

Label Location:
(BLC)
Per Code:
NEC 408.4

CAUTION
DO NOT ADD NEW LOADS

Label Location:
(BLC)
Per Code:
NEC 220

CAUTION
THIS PANEL HAS SPLICED FEED-
THROUGH CONDUCTORS.
LOCATION OF DISCONNECT AT ENERGY
STORAGE BACKUP LOAD PANEL

Label Location:
(MSP)
Per Code:
NEC 312.8.A(3)

CAUTION
DUAL POWER SOURCE
SECOND SOURCE IS
ENERGY STORAGE SYSTEM

Label Location:
(MSP)
Per Code:
NEC 705.12(B)(3)

ENERGY STORAGE SYSTEM ON SITE
LOCATED WITHIN LINE OF SIGHT

Label Location:
(MSP)
Per Code:

ENERGY STORAGE SYSTEM ON SITE
LOCATED ON ADJACENT WALL

Label Location:
(MSP)
Per Code:

ENERGY STORAGE SYSTEM ON SITE
LOCATED ON OPPOSITE WALL

Label Location:
(MSP)
Per Code:

ENERGY STORAGE SYSTEM ON SITE
LOCATED INSIDE

Label Location:
(MSP)
Per Code:

CAUTION
TRI POWER SOURCE
SECOND SOURCE IS PHOTOVOLTAIC SYSTEM
THIRD SOURCE IS ENERGY STORAGE SYSTEM

Label Location:
(MSP)
Per Code:
NEC 705.12(B)(3)

WARNING
THIS EQUIPMENT FED BY
MULTIPLE SOURCES. TOTAL
RATING OF ALL OVER CURRENT
DEVICES, EXCLUDING MAIN
SUPPLY OVERCURRENT DEVICE,
SHALL NOT EXCEED AMPACITY
OF BUSBAR.

Label Location:
(MSP)
Per Code:
NEC 705.12.B.2.3.c

NOMINAL ESS VOLTAGE: 120/240V
MAX AVAILABLE SHORT-
CIRCUIT FROM ESS: 32A
ARC FAULT CLEARING
TIME FROM ESS: 67ms
DATE OF
CALCULATION:

Label Location:
(MSP)
Per Code:
Per 706.7(D) label to be marked in field

(AC): AC Disconnect
(BLC): Backup Load Center
(MSP): Main Service Panel

Powerwall 3

Power Everything

Powerwall 3 is a fully integrated solar and battery system, designed to accelerate the transition to sustainable energy. Customers can receive whole home backup, cost savings, and energy independence by producing and consuming their own energy while participating in grid services. Once installed, customers can manage their system using the Tesla App to customize system behavior to meet their energy goals.

Powerwall 3 achieves this by supporting up to 20 kW DC of solar and providing up to 11.5 kW AC of continuous power per unit. It has the ability to start heavy loads rated up to 185 LRA, meaning a single unit can support the power needs of most homes. Powerwall 3 Expansions make it easier and more affordable to scale up customers' systems to meet their current or future needs. Powerwall 3 is designed for fast and efficient installations, modular system expansion, and simple connection to any electrical service.



Powerwall 3 Technical Specifications

System Technical Specifications

Model Number	1707000-xx-y			
Nominal Grid Voltage (Input & Output)	120/240 VAC			
Grid Type	Split phase			
Frequency	60 Hz			
Nominal Battery Energy	13.5 kWh AC ₁			
Nominal Output Power (AC)	5.8 kW	7.6 kW	10 kW	11.5 kW
Maximum Apparent Power	5,800 VA	7,600 VA	10,000 VA	11,500 VA
Maximum Continuous Current	24 A	31.7 A	41.7 A	48 A
Overcurrent Protection Device ₂	30 A	40 A	60 A	60 A
Configurable Maximum Continuous Discharge Power Off-Grid (PV Only, -20°C to 25°C)	15.4 kW ₃			
Maximum Continuous Charge Current / Power (Powerwall 3 only)	20.8 A AC / 5 kW			
Maximum Continuous Charge Current / Power (Powerwall 3 with up to (3) Expansion units)	33.3 A AC / 8 kW			
Output Power Factor Rating	0 – 1 (Grid Code configurable)			
Maximum Output Fault Current (1 s)	160 A			
Maximum Short-Circuit Current Rating	10 kA			
Load Start Capability	185 LRA			
Solar to Battery to Home/Grid Efficiency	89% ^{1,4}			
Solar to Home/Grid Efficiency	97.5% ⁵			
Power Scalability	Up to 4 Powerwall 3 units supported			
Energy Scalability	Up to 3 Expansion units (for a maximum total of 7 units)			
Supported Islanding Devices	Gateway 3, Backup Switch, Backup Gateway 2			
Connectivity	Wi-Fi (2.4 and 5 GHz), Ethernet, Cellular (LTE/4G _e)			
Hardware Interface	Dry contact relay, Rapid Shutdown (RSD) certified switch and 2-pin connector, RS-485 for meters			
AC Metering	Revenue Grade (+/- 0.5%, ANSI C12.20)			
Protections	Integrated arc fault circuit interrupter (AFCI), Isolation Monitor Interrupter (IMI), PV Rapid Shutdown (RSD) using Tesla Mid-Circuit Interrupters			
Customer Interface	Tesla Mobile App			
Warranty	10 years			

¹Values provided for 25°C (77°F), at beginning of life. 3.3 kW charge/discharge power.

²See [Powerwall 3 Installation Manual](#) for fuse requirements if using fuse for overcurrent protection.

³If enabling the 15.4 kW off-grid maximum continuous discharge power, Powerwall 3 must be installed with an 80 A breaker and appropriately sized conductors.

⁴Typical solar shifting use case.

⁵Tested using CEC weighted efficiency methodology.

^eThe customer is expected to provide internet connectivity for Powerwall 3; cellular should not be used as the primary mode of connectivity. Cellular connectivity subject to network operator service coverage and signal strength.

Powerwall 3 Technical Specifications

Solar Technical Specifications

Maximum Solar STC Input	20 kW
Withstand Voltage	600 V DC
PV DC Input Voltage Range	60 — 550 V DC
PV DC MPPT Voltage Range	60 — 480 V DC
MPPTs	6
Maximum Current per MPPT (I _{mp})	13 A ⁷
Maximum Short Circuit Current per MPPT (I _{sc})	15 A ⁷

⁷Where the DC input current exceeds the MPPT rating, a jumper can be used to combine two MPPTs into a single input to intake DC current up to 26 A I_{MP} / 30 A I_{SC}.

Environmental Specifications

Operating Temperature	−20°C to 50°C (−4°F to 122°F) ⁸
Operating Humidity (RH)	Up to 100%, condensing
Storage Temperature	−20°C to 30°C (−4°F to 86°F), up to 95% RH, non-condensing, State of Energy (SOE): 25% initial
Maximum Elevation	3000 m (9843 ft)
Environment	Indoor and outdoor rated
Enclosure Rating	NEMA 3R
Ingress Rating	IP67 (Battery & Power Electronics) IP55 (Wiring Compartment)
Pollution Rating	PD3
Operating Noise @ 1 m	< 50 db(A) typical < 62 db(A) maximum

⁸Performance may be de-rated at operating temperatures above 40°C (104°F).

Compliance Information

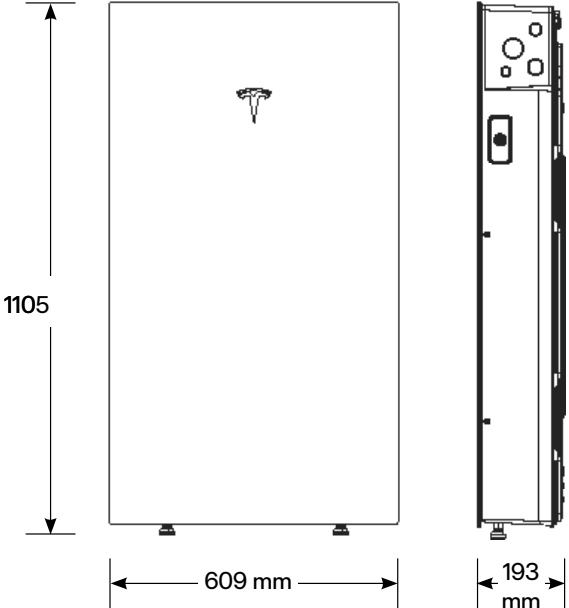
Certifications	UL 1741, UL 9540, UL 9540A, UL 3741, UL 1741 PCS, UL 1741 SA, UL 1741 SB, UL 1973, UL 1699B, UL 1998, CSA C22.2 No. 0.8, CSA C22.2 No. 107.1, CSA C22.2 No. 330, CSA 22.3 No. 9, IEEE 1547, IEEE 1547A, IEEE 1547.1, CA Rule No.21
Grid Connection	United States and Canada
Emissions	FCC Part 15 Class B, ICES 003
Environmental	RoHS Directive 2011/65/EU
Seismic	AC156, IEEE 693-2005 (high)
Fire Testing	Meets the unit level performance criteria of UL 9540A

Powerwall 3 Technical Specifications

Mechanical Specifications

Dimensions	1105 x 609 x 193 mm (43.5 x 24 x 7.6 in) ⁹
Total Weight of Installed Unit	132 kg (291.2 lb)
Weight of Powerwall 3	124 kg (272.5 lb)
Weight of Glass Front Cover	6.5 kg (14.5 lb)
Weight of Wall Bracket	1.9 kg (4.2 lb)
Mounting Options	Floor or wall mount

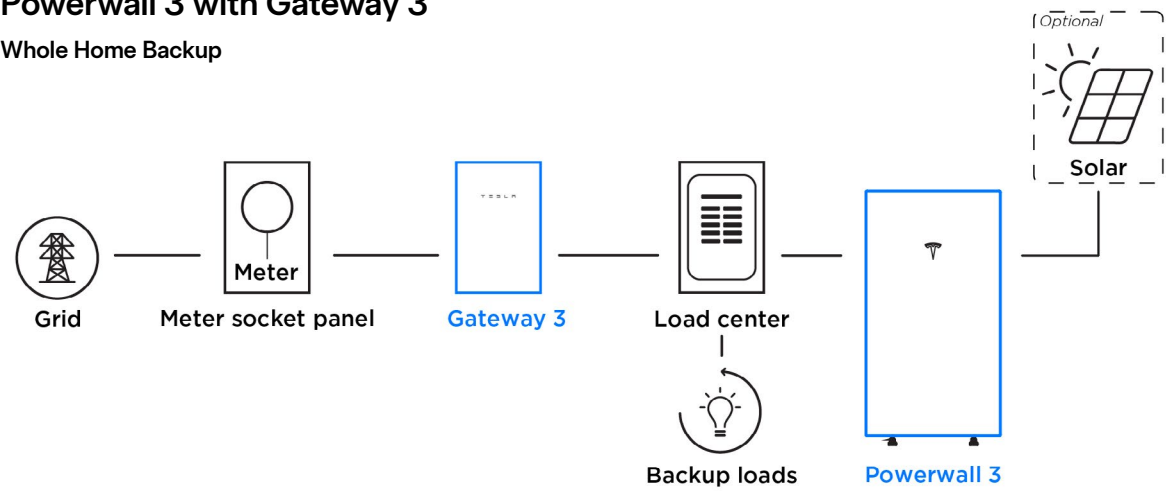
⁹These dimensions include the glass front cover being installed on Powerwall 3.



Powerwall 3 Example System Configurations

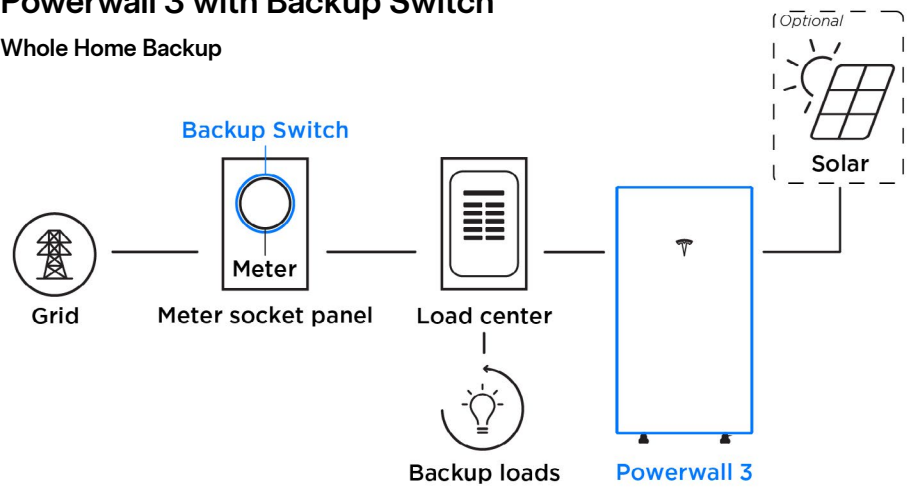
Powerwall 3 with Gateway 3

Whole Home Backup



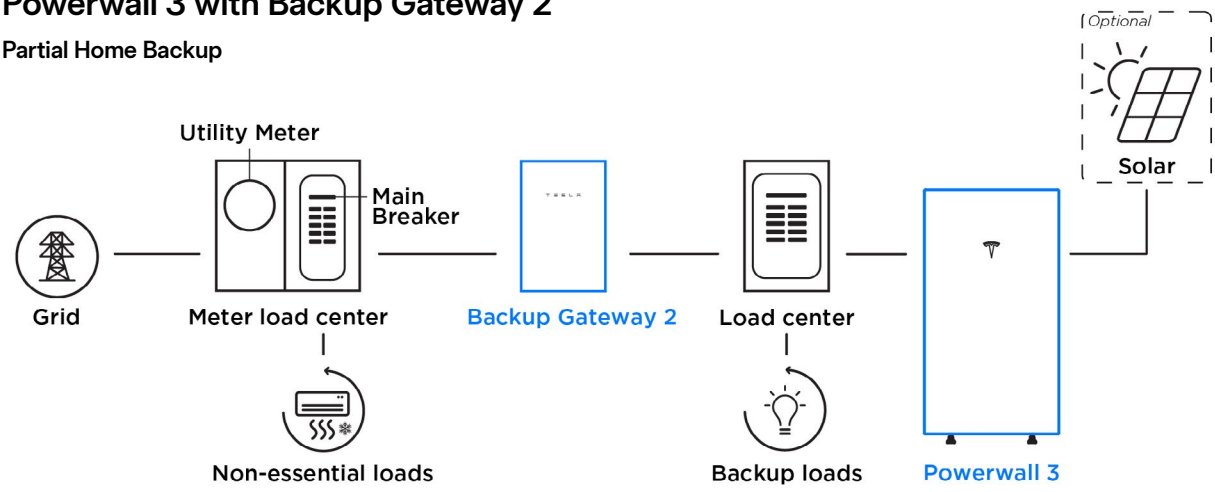
Powerwall 3 with Backup Switch

Whole Home Backup



Powerwall 3 with Backup Gateway 2

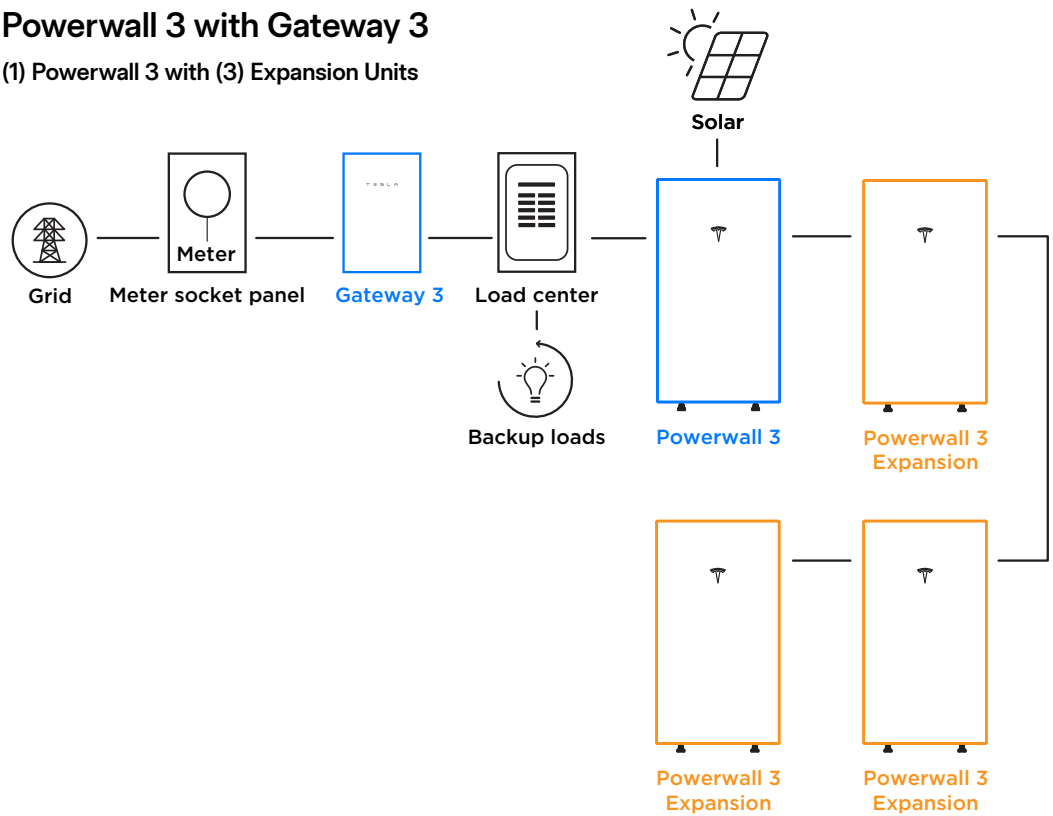
Partial Home Backup



Powerwall 3 Example System Configurations

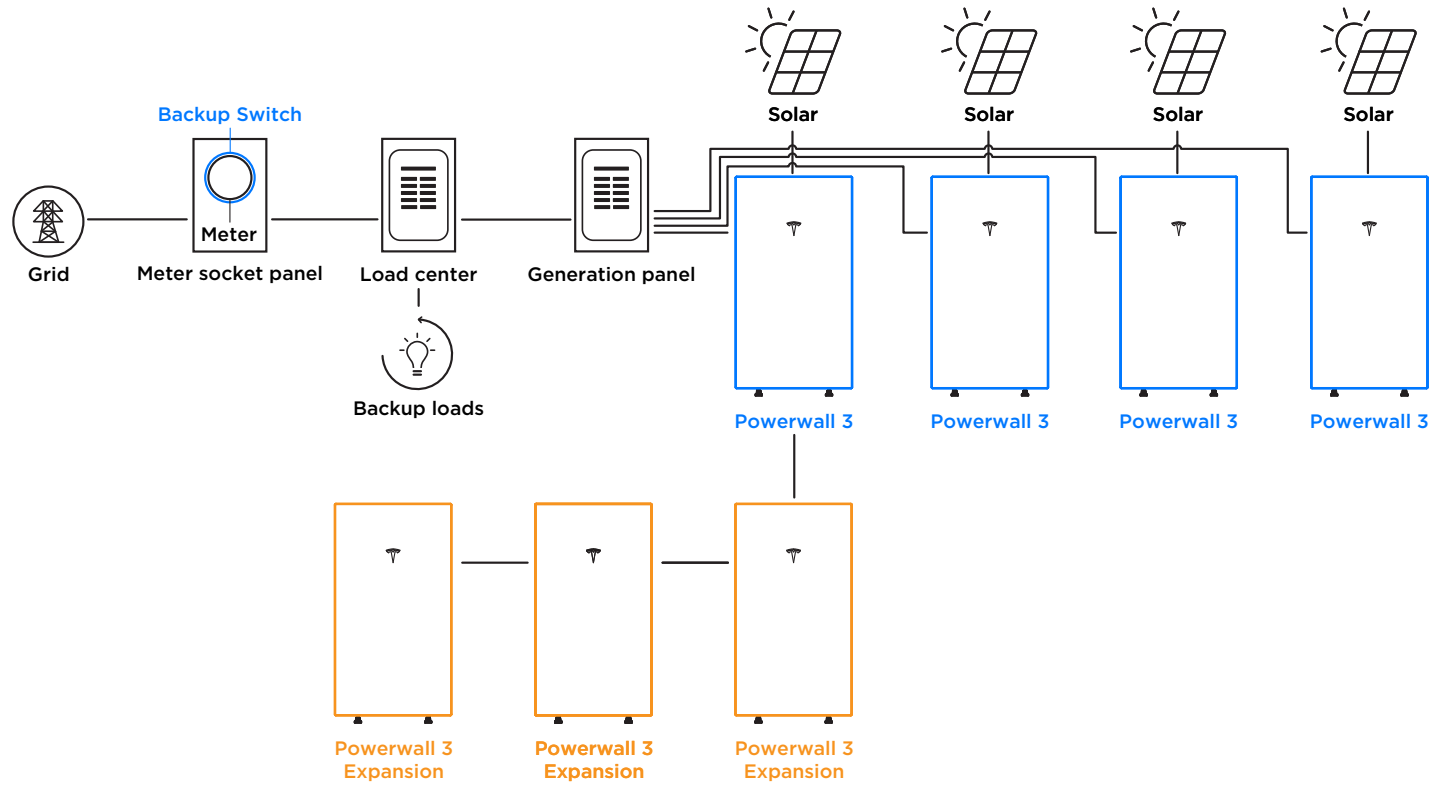
Powerwall 3 with Gateway 3

(1) Powerwall 3 with (3) Expansion Units



Powerwall 3 with Backup Switch

(4) Powerwall 3 Units with (3) Expansion Units (Maximum System Size)



Solar Shutdown Device 2 Technical Specifications

The Solar Shutdown Device is a Mid-Circuit Interrupter (MCI) and is part of the PV system rapid shutdown (RSD) function in accordance with Article 690 of the applicable NEC. When paired with Powerwall+ or Tesla Solar Inverter, solar array shutdown is initiated by any loss of AC power.

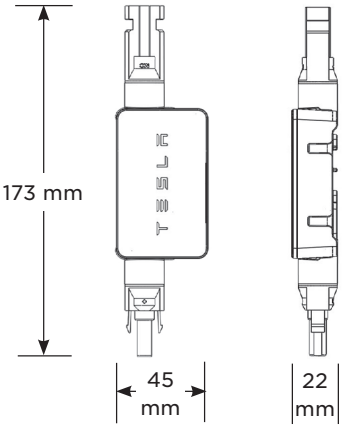
Electrical Specifications	Nominal Input DC Current Rating (I_{MP})	13 A
	Maximum Input Short Circuit Current (I_{SC})	17 A
	Maximum System Voltage (PVHCS)	1000 V DC

RSD Module Performance	Maximum Number of Devices per String	5
	Control	Power Line Excitation
	Passive State	Normally Open
	Maximum Power Consumption	7 W
	Warranty	25 years

Environmental Specifications	Ambient Temperature	-45°C to 70°C (-49°F to 158°F)
	Enclosure Rating	NEMA 4X / IP65

Compliance Information	Certifications	UL 1741 PVRSE, UL 3741, PVRSA (Photovoltaic Rapid Shutdown Array)
	RSD Initiation Method	PV System AC Breaker or Switch
	Compatible Equipment	See Compatibility Table below

Mechanical Specifications	Model Number	MCI-2
	Electrical Connections	MC4 Connector
	Housing	Plastic
	Dimensions	173 x 45 x 22 mm (6.8 x 1.8 x 0.9 in)
	Weight	120 g (0.26 lb)



UL 3741 PV Hazard Control (and PVRSA) Compatibility

Tesla Solar Roof and Tesla/Zep ZS Arrays using the following modules are certified to UL 3741 and UL 1741 PVRSA when installed with Powerwall+ or Tesla Solar Inverter and Solar Shutdown Devices. See [Powerwall+ / Tesla Solar Inverter Rapid Shutdown: Module Selection Based on PV Hazard Control System Listing](#) for guidance on installing other modules.

Brand	Model	Required Solar Shutdown Devices
Tesla	Solar Roof V3	1 Solar Shutdown Device per 10 modules
Tesla	Tesla TxxxS (where xxx = 405 to 450 W, increments of 5) Tesla TxxxH (where xxx = 395 to 415 W, increments of 5)	1 Solar Shutdown Device per 3 modules ¹
Hanwha	Q.PEAK DUO BLK-G5 or Q.PEAK DUO BLK-G6+	1 Solar Shutdown Device per 3 modules

¹Exception: Tesla solar modules installed in locations where the max Voc for three modules at low design temperatures exceeds 165 V shall be limited to two modules between Solar Shutdown Devices.

PV HAZARD CONTROL SYSTEM | BIPV

UL 3741 REPORT DATE 01-27-23
PV RAPID SHUTDOWN ARRAY

WARNING: To reduce the risk of injury, read all instructions.

PV HAZARD CONTROL EQUIPMENT AND COMPONENTS

Function	Manufacturer	Model No.	Firmware Versions and Checksums	Certification Standard
PVRSE Mid Circuit Interrupter (MCI)	Tesla	MCI-1, MCI-2	N/A	UL 1741 PVRSE
Inverter, Powerwall+, or Powerwall 3	Tesla	7.6 kW: 1538000 ¹ 3.8 kW: 1534000 ¹ 7.6 kW: 1850000 ¹ 11.5 kW: 1707000 ¹	V4, CEA4F802 V4, FF7BE4E1 V4, CEA4F802 V1, 0x3282A1	UL 1741, 1998 PVRSS/PVRSE
PV Module	Tesla	SR60T1, SR72T1, SR72T2, SR72T3R	N/A	UL 61730
PVHCS Initiator (PV Inverter)	Dedicated PV system AC circuit breaker or AC disconnect switch, labeled per NEC 690.12 requirements.			N/A
PVHCS Initiator (Powerwall+, Powerwall 3)	Emergency stop device (NISD)- Listed "Emergency Stop Button" or "Emergency Stop Device" or "Emergency Stop Unit".			UL 508 or UL 60947 Parts 1, 5-1 and 5-5
PVHCS Initiator (Powerwall 3)	On/Off Enable switch located on Powerwall 3, when labeled as Rapid Shutdown initiator per NEC 690.12 requirements			UL 1741

¹ Applies to variations of this part number with suffix of two numbers and one letter.

Note: PVHCS installation requirements may reduce the effective equipment and component ratings below the individual equipment and component PVRSE ratings in order to achieve PVHCS shock hazard reduction requirements.

PVHCS INSTALLATION REQUIREMENTS

Max System Voltage	600 Vdc
PVHCS Maximum Circuit Voltage (Array Internal Voltage After Actuation)	165 Vdc (cold weather open circuit)
Max Series-Connected Panels Between MCIs:	10

OTHER INSTALLATION INSTRUCTIONS

1. An MCI must be connected to one end of each series string or mounting plane sub-array string.
2. Verification that MCIs are installed with 10 or fewer modules between MCIs shall be documented for inspection, by voltage measurement logs and/or as-built string layout diagrams.
3. For PV Inverter: The PVHCS initiator (AC breaker or switch) shall be sized and installed in accordance with NEC requirements. The specific part shall be identified on the as-built system drawings.
4. For Powerwall+ or Powerwall 3: The PVHCS emergency stop initiator shall have the following minimum ratings: Outdoor (Type 3R or higher), 12V, 1A, and shall be installed in accordance with NEC requirements. The specific part shall be identified on the as-built system drawings. Refer to the Powerwall installation manual for further details.

PV HAZARD CONTROL SYSTEM | GENERIC PV ARRAY

UL 3741 REPORT DATE 01-27-23 Tesla Inverter Based PVHCS, Consisting of Tesla Inverters, Tesla MCI and other
PV RAPID SHUTDOWN ARRAY listed components to create the system

WARNING: To reduce the risk of injury, read all instructions.

PV HAZARD CONTROL EQUIPMENT AND COMPONENTS

Function	Manufacturer	Model No.	Firmware Versions and Checksums	Certification Standard
Inverter, Powerwall+, or Powerwall 3	Tesla	7.6 kW: 1538000 ¹ 3.8 kW: 1534000 ¹ 7.6 kW: 1850000 ¹ 11.5 kW: 1707000 ¹	V4, CEA4F802 V4, FF7BE4E1 V4, CEA4F802 V1, 0x3282A1	UL 1741, UL 1998, PVRSS/PVRSE
Mid Circuit Interrupter (MCI)	Tesla	MCI-1, MCI-2	N/A	UL 1741 PVRSE
PV Modules	The PVHC PV modules must be listed by a NRTL to UL 1703 and/or UL 61730-1 and UL 61730-2 (excluding Class 0 and Class I).			
PV Mounting System	The PV mounting system must comply with one of the following: - Listed by NRTL to UL 2703 and rated for use with the specific PV modules noted above. - The non-certified combinations of mounting and PV modules shall be evaluated for loading, mounting and grounding per the NEC and other applicable installation codes.			
PV Connectors	The following PV connectors may be used to connect to the Tesla MCIs: - Staubli type PV-KST4/6II-UR or type PV-KST4-EVO2 (male), - Staubli type PV-KBT4/6II-UR or PV-KBT4-EVO2 (female), - Staubli Branch Socket PV-AZB4 and Branch Plug PV-AZS4, - Connectors evaluated by an NRTL for intermatability with the connectors above.			
PVHCS Initiator (PV Inverter)	Dedicated PV system AC circuit breaker or AC disconnect switch, labeled per NEC 690.12 requirements.			N/A
PVHCS Initiator (Powerwall+, Powerwall 3)	Emergency stop device (NISD)- Listed "Emergency Stop Button" or "Emergency Stop Device" or "Emergency Stop Unit".			UL 508 or UL 60947 Parts 1, 5-1 and 5-5.
PVHCS Initiator (Powerwall 3)	On/Off Enable switch located on Powerwall 3, when labeled as Rapid Shutdown initiator per NEC 690.12 requirements			UL 1741

¹ Applies to variations of this part number with suffix of two numbers and one letter.

Note: PVHCS installation requirements may reduce the effective equipment and component ratings below the individual equipment and component PVRSE ratings in order to achieve PVHCS shock hazard reduction requirements.

PVHCS INSTALLATION REQUIREMENTS

Max System Voltage	600 Vdc
PVHCS Maximum Circuit Voltage (Array Internal Voltage After Actuation)	165 Vdc (cold weather open circuit)

OTHER INSTALLATION INSTRUCTIONS

1. An MCI must be connected to one end of each series string or mounting plane sub-array string.
2. MCIs shall be installed between series connected module combinations such that the PVHC Maximum Circuit Voltage after actuation is no greater than 165V under any circumstances. The installation location coldest anticipated operating ambient temperature shall be used to calculate the PV maximum voltage in accordance with NEC 690.7.
3. Verification that the MCIs are installed in accordance with 1) and 2) shall be documented for inspection, by voltage measurement logs and/or as-built string layout diagrams.
4. For PV Inverter: The PVHCS initiator (AC breaker or switch) shall be sized and installed in accordance with NEC requirements. The specific part shall be identified on the as-built system drawings.
5. For Powerwall+ and Powerwall 3: The PVHCS emergency stop initiator shall have the following minimum ratings: Outdoor (Type 3R or higher), 12V, 1A, and shall be installed in accordance with NEC requirements. The specific part shall be identified on the as-built system drawings. Refer to the Powerwall installation manual for further details.

Gateway 3

Tesla Gateway 3 controls connection to the grid in a Powerwall system, automatically detecting outages and providing seamless transition to backup power. It provides energy monitoring that is used by Powerwall for solar self-consumption, time-based control, and backup operation.

Performance Specifications

Model Number	1841000-01-y	AC Meter	Revenue accurate (+/- 0.5%)
Nominal Grid Voltage	120/240 V AC	Communication	CAN
Grid Configuration	Split phase	User Interface	Tesla App
Grid Frequency	60 Hz	Backup Transition	Automatic disconnect for seamless backup
Continuous Current Rating	200 A	Overcurrent Protection Device	100–200 A Service entrance rated Eaton CSR, BWH, or BW, or Square D QOM breakers
Maximum Supply Short Circuit Current	22 kA with Square D or Eaton main breaker 25 kA with Eaton main breaker ¹	Internal Panelboard	200 A 8-space/16 circuit breakers Eaton BR, Siemens QP, or Square D HOM breakers rated to 10–125A
IEC Protective Class	Class I	Warranty	10 years
Overvoltage Category	Category IV		

¹Only Eaton CSR or BWH main breakers are 25 kA rated

Environmental Specifications

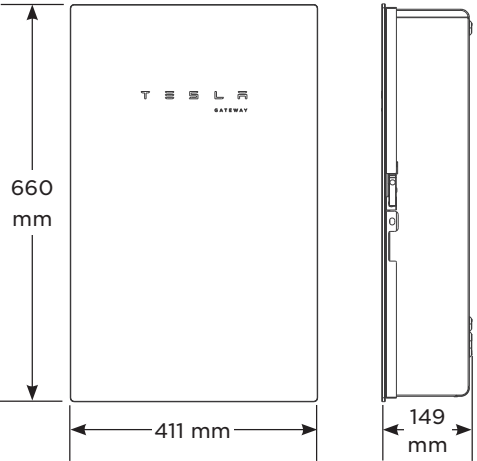
Operating Temperature	–20°C to 50°C (–4°F to 122°F)
Operating Humidity (RH)	Up to 100%, condensing
Maximum Elevation	3000 m (9843 ft)
Environment	Indoor and outdoor rated
Enclosure Type	NEMA 3R

Compliance Information

Certifications	UL 67, UL 869A, UL 916, UL 1741 PCS, CSA 22.2 107.1, CSA 22.2 29
Emmissions	FCC Part 15, ICES 003

Mechanical Specifications

Dimensions	660 x 411 x 149 mm (26 x 16 x 6 in)
Weight	16.4 kg (36 lb)
Mounting options	Wall mount



POWERWALL

Backup Gateway 2

The Backup Gateway 2 for Tesla Powerwall provides energy management and monitoring for solar self-consumption, time-based control, and backup.

The Backup Gateway 2 controls connection to the grid, automatically detecting outages and providing a seamless transition to backup power. When equipped with a main circuit breaker, the Backup Gateway 2 can be installed at the service entrance. When the optional internal panelboard is installed, the Backup Gateway 2 can also function as a load center.

The Backup Gateway 2 communicates directly with Powerwall, allowing you to monitor energy use and manage backup energy reserves from any mobile device with the Tesla app.



PERFORMANCE SPECIFICATIONS

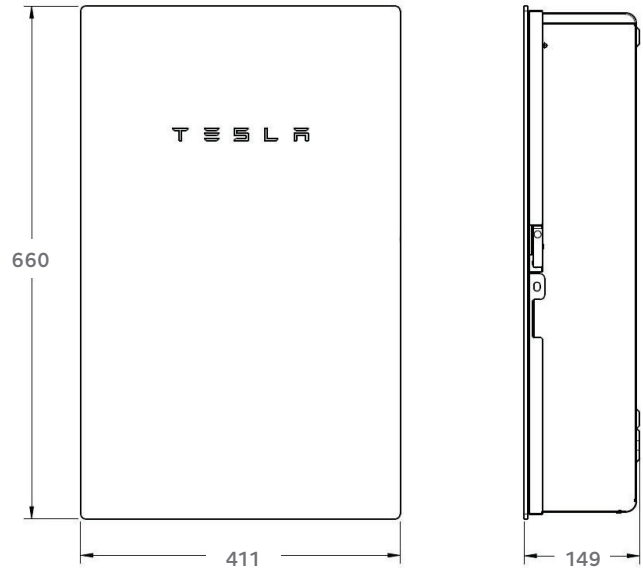
Model Number	1232100-xx-y
AC Voltage (Nominal)	120/240V
Feed-In Type	Split Phase
Grid Frequency	60 Hz
Current Rating	200 A
Maximum Input Short Circuit Current	10 kA ¹
Overcurrent Protection Device	100-200A; Service Entrance Rated ¹
Overvoltage Category	Category IV
AC Meter	Revenue accurate (+/- 0.2 %)
Primary Connectivity	Ethernet, Wi-Fi
Secondary Connectivity	Cellular (3G, LTE/4G) ²
User Interface	Tesla App
Operating Modes	Support for solar self-consumption, time-based control, and backup
Backup Transition	Automatic disconnect for seamless backup
Modularity	Supports up to 10 AC-coupled Powerwalls
Optional Internal Panelboard	200A 6-space / 12 circuit Eaton BR Circuit Breakers
Warranty	10 years

¹ When protected by Class J fuses, Backup Gateway 2 is suitable for use in circuits capable of delivering not more than 22kA symmetrical amperes.

² The customer is expected to provide internet connectivity for Backup Gateway 2; cellular should not be used as the primary mode of connectivity. Cellular connectivity subject to network operator service coverage and signal strength.

MECHANICAL SPECIFICATIONS

Dimensions	660 mm x 411 mm x 149 mm (26 in x 16 in x 6 in)
Weight	20.4 kg (45 lb)
Mounting options	Wall mount, Semi-flush mount



COMPLIANCE INFORMATION

Certifications	UL 67, UL 869A, UL 916, UL 1741 PCS CSA 22.2 0.19, CSA 22.2 205
Emissions	FCC Part 15, ICES 003

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-20°C to 50°C (-4°F to 122°F)
Operating Humidity (RH)	Up to 100%, condensing
Maximum Elevation	3000 m (9843 ft)
Environment	Indoor and outdoor rated
Enclosure Type	NEMA 3R

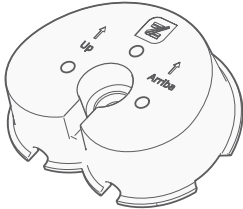
ROOFING SYSTEM SPECIFICATIONS



DESCRIPTION	PV mounting solution for composition shingle roofs.
	Works with all Zep Compatible Modules.
	Auto bonding UL-listed hardware creates structural and electrical bond.
SPECIFICATIONS	Designed for pitched roofs.
	Installs in portrait and landscape orientations.
	Engineered for spans up to 72” and cantilevers up to 24”.
	ZS Comp has a UL 1703 Class “A” Fire Rating when installed using modules from any manufacturer certified as “Type 1” or “Type 2”.
	Attachment method UL listed to UL 2582 for Wind Driven Rain.
	ZS Comp supports 50 psf (2400 Pa) front and up to 72 psf (3450 Pa) rear side design load rating for Portrait module orientation per UL 2703.
	ZS Comp supports 50 psf (2400 Pa) front side and up to 72 psf (3450 Pa) rear side design load rating for Landscape module orientation.
	Engineered for compliance with ASCE 7-05, 7-10, and 7-16 wind load requirements.
Zep wire management products listed to UL 1565 for wire positioning devices.	
ZS Comp grounding products are listed to UL 2703 and UL 467.	
ZS Comp bonding products are listed to UL 2703.	

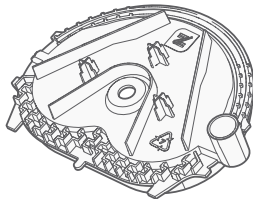
MOUNTING BLOCK

Listed to UL 2703
Part #850-1633



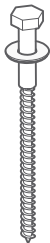
FLASHING INSERT

Listed to UL 2703 and UL 2582 for Wind Driven Rain
Part #850-1628



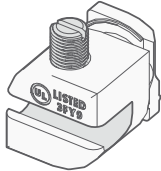
CAPTURED WASHER LAG

Part #850-1631-002 and #850-1631-004



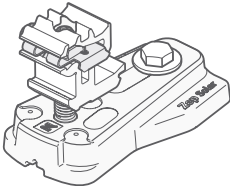
GROUND ZEP

Listed to UL 2703
Part #850-1511



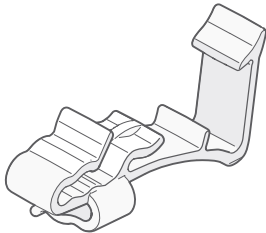
LEVELING FOOT

Listed to UL 2703
Part #850-1397



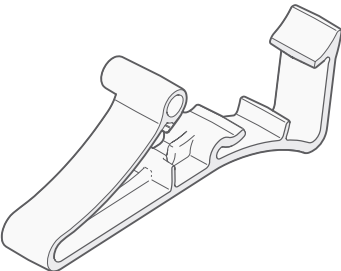
DC WIRE CLIP

Listed to UL 1565
Part #850-1509



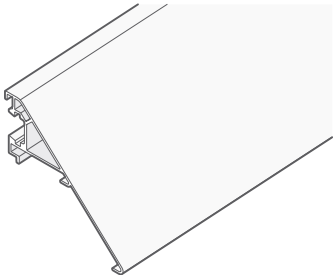
HOME RUN CLIP

Listed to UL 1565
Part #850-1510



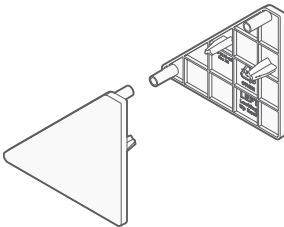
ARRAY SKIRT

Listed to UL 2703
Part #850-1608



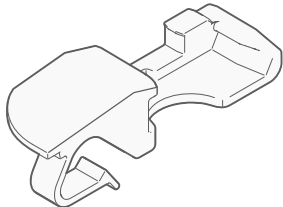
END CAP

Listed to UL 2703
Part #850-1586 (Left)
Part #850-1588 (Right)



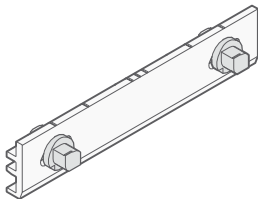
SKIRT GRIP

Listed to UL 2703
Part #850-1606



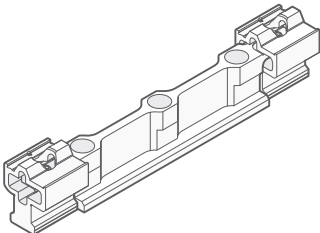
INTERLOCK

Listed to UL 2703
Part #850-1613



HYBRID INTERLOCK

Listed to UL 2703
Part #850-1281



Q.PEAK DUO BLK ML-G10+ SERIES



385-405 Wp | 132 Cells
20.5 % Maximum Module Efficiency

MODEL Q.PEAK DUO BLK ML-G10+/TS



Breaking the 20% efficiency barrier

Q.ANTUM DUO Z Technology with zero gap cell layout boosts module efficiency up to 20.5%.



A reliable investment

Inclusive 25-year product warranty and 25-year linear performance warranty¹.



Enduring high performance

Long-term yield security with Anti LeTID Technology, Anti PID Technology² and Hot-Spot Protect.



Innovative all-weather technology

Optimal yields, whatever the weather with excellent low-light and temperature behaviour.



Zep compatible™ frame design

High-tech black Zep Compatible™ frame, for improved aesthetics, easy installation and increased safety.



The most thorough testing programme in the industry

Qcells is the first solar module manufacturer to pass the most comprehensive quality programme in the industry: The new "Quality Controlled PV" of the independent certification institute TÜV Rheinland.

¹ See data sheet on rear for further information.

² APT test conditions according to IEC/TS 62804-1:2015, method A (-1500 V, 96 h)

The ideal solution for:



Rooftop arrays on residential buildings



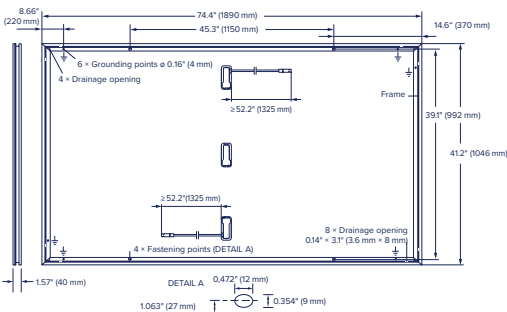
Rooftop arrays on commercial/industrial buildings



Q.PEAK DUO BLK ML-G10+ SERIES

Mechanical Specification

Format	74.4 in × 41.2 in × 1.57 in (including frame) (1890 mm × 1046 mm × 40 mm)
Weight	51.8 lbs (23.5 kg)
Front Cover	0.13 in (3.2 mm) thermally pre-stressed glass with anti-reflection technology
Back Cover	Composite film
Frame	Black anodised aluminium
Cell	6 × 22 monocrystalline Q.ANTUM solar half cells
Junction box	2.09-3.98 in × 1.26-2.36 in × 0.59-0.71 in (53-101 mm × 32-60 mm × 15-18 mm), IP67, with bypass diodes
Cable	4 mm ² Solar cable; (+) ≥ 52.2 in (1325 mm), (-) ≥ 52.2 in (1325 mm)
Connector	Stäubli MC4; IP68



Electrical Characteristics

POWER CLASS	385	390	395	400	405
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MINIMUM PERFORMANCE AT STANDARD TEST CONDITIONS, STC¹ (POWER TOLERANCE +5 W/-0 W)

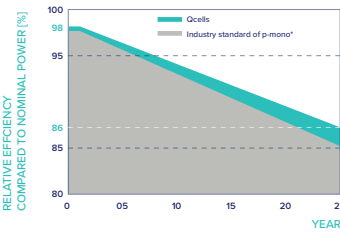
Minimum	Power at MPP ¹	P _{MPP} [W]	385	390	395	400	405
	Short Circuit Current ¹	I _{SC} [A]	11.04	11.07	11.10	11.14	11.17
	Open Circuit Voltage ¹	V _{OC} [V]	45.19	45.23	45.27	45.3	45.34
	Current at MPP	I _{MPP} [A]	10.59	10.65	10.71	10.77	10.83
	Voltage at MPP	V _{MPP} [V]	36.36	36.62	36.88	37.13	37.39
	Efficiency ¹	η [%]	≥ 19.5	≥ 19.7	≥ 20.0	≥ 20.2	≥ 20.5

MINIMUM PERFORMANCE AT NORMAL OPERATING CONDITIONS, NMOT²

Minimum	Power at MPP	P _{MPP} [W]	288.8	292.6	296.3	300.1	303.8
	Short Circuit Current	I _{SC} [A]	8.90	8.92	8.95	8.97	9.00
	Open Circuit Voltage	V _{OC} [V]	42.62	42.65	42.69	42.72	42.76
	Current at MPP	I _{MPP} [A]	8.35	8.41	8.46	8.51	8.57
	Voltage at MPP	V _{MPP} [V]	34.59	34.81	35.03	35.25	35.46

¹Measurement tolerances P_{MPP} ± 3%; I_{SC}; V_{OC} ± 5% at STC: 1000 W/m², 25 ± 2 °C, AM 1.5 according to IEC 60904-3 • ²800 W/m², NMOT, spectrum AM 1.5

Qcells PERFORMANCE WARRANTY

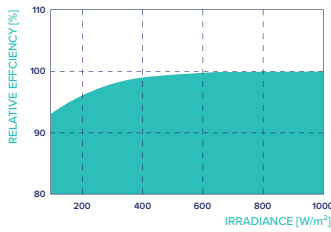


At least 98 % of nominal power during first year. Thereafter max. 0.5 % degradation per year. At least 93.5 % of nominal power up to 10 years. At least 86 % of nominal power up to 25 years.

All data within measurement tolerances. Full warranties in accordance with the warranty terms of the Qcells sales organisation of your respective country.

^{*}Standard terms of guarantee for the 5 PV companies with the highest production capacity in 2021 (February 2021)

PERFORMANCE AT LOW IRRADIANCE



Typical module performance under low irradiance conditions in comparison to STC conditions (25 °C, 1000 W/m²).

TEMPERATURE COEFFICIENTS			
Temperature Coefficient of I _{SC}	α	[%/K]	+0.04
Temperature Coefficient of P _{MPP}	γ	[%/K]	-0.34
Temperature Coefficient of V _{OC}	β	[%/K]	-0.27
Nominal Module Operating Temperature	NMOT	[°F]	109 ± 5.4 (43 ± 3 °C)

Properties for System Design

Maximum System Voltage	V _{sys} [V]	1000 (IEC)/1000 (UL)	PV module classification	Class II
Maximum Series Fuse Rating	[A DC]	20	Fire Rating based on ANSI/UL 61730	TYPE 2
Max. Design Load, Push/Pull ³	[lbs/ft ²]	85 (4080 Pa)/85 (4080 Pa)	Permitted Module Temperature on Continuous Duty	-40 °F up to +185 °F (-40 °C up to +85 °C)
Max. Test Load, Push/Pull ³	[lbs/ft ²]	128 (6120 Pa)/128 (6120 Pa)		

³ See Installation Manual

Qualifications and Certificates

UL 61730, CE-compliant,
Quality Controlled PV -
TÜV Rheinland; IEC 61215:2016,
IEC 61730:2016,
U.S. Patent No. 9,893,215
(solar cells)



Qcells pursues minimizing paper output in consideration of the global environment.

Note: Installation instructions must be followed. Contact our technical service for further information on approved installation of this product.
Hanwha Q CELLS America Inc. 400 Spectrum Center Drive, Suite 1400, Irvine, CA 92618, USA | TEL +1 949 748 59 96 | EMAIL hqc-inquiry@qcells.com | WEB www.qcells.com



Specifications subject to technical changes © Qcells Q.PEAK DUO BLK ML-G10+/TS_DA_385-405-2022-07_Rev01_LNA

MCI WIRING DETAIL

TESLA

GENERAL NOTES

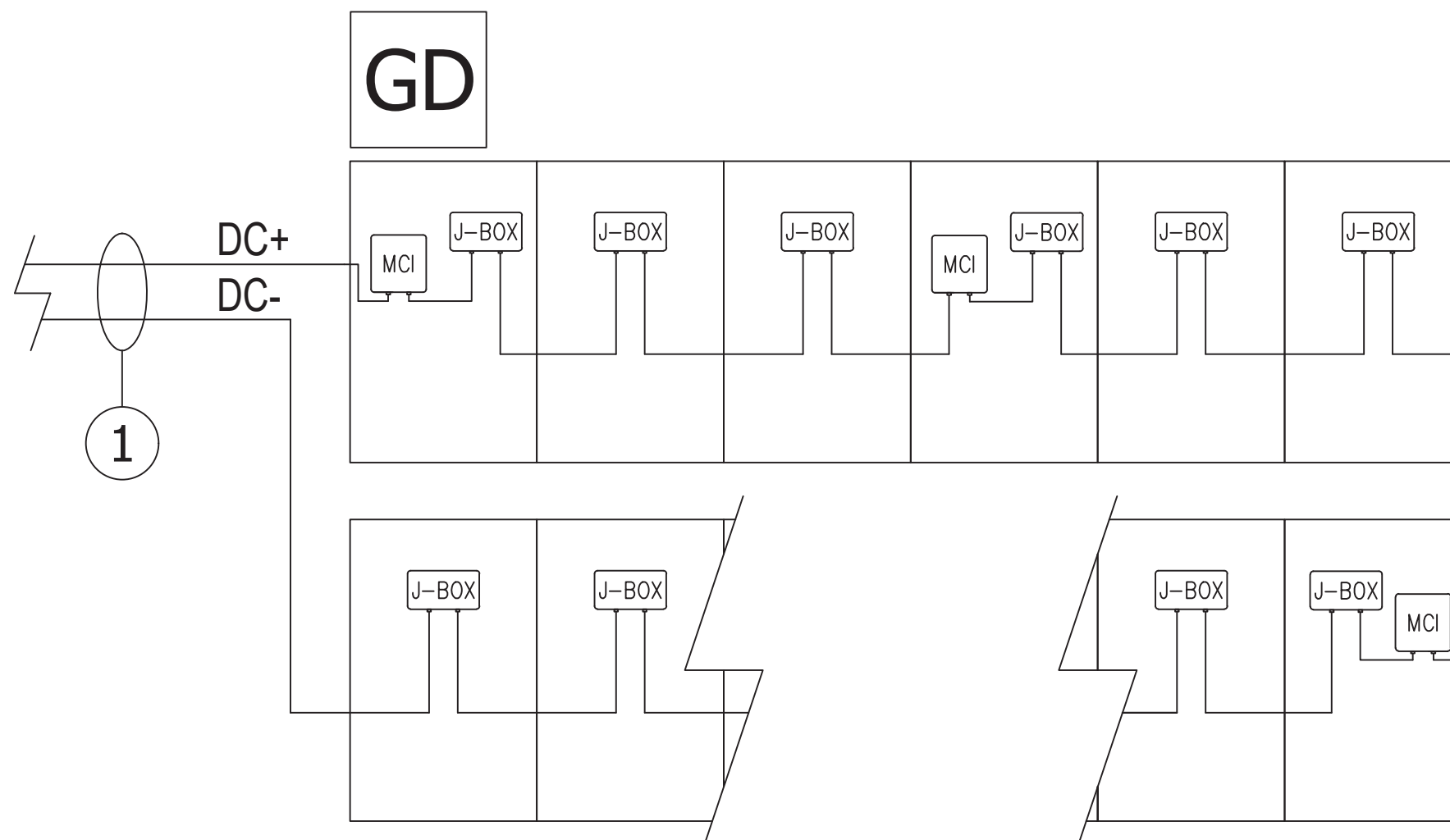
- DRAWING OF STANDARD MCI WIRING DETAIL FOR ANY GIVEN STRING LENGTH
- IF INITIATED, RAPID SHUTDOWN OCCURS WITHIN 30 SECONDS OF ACTIVATION AND LIMITS VOLTAGE ON THE ROOF TO NO GREATER THAN 165V (690.12.B.2.1)
- MID CIRCUIT INTERRUPTER (MCI) IS A UL 1741 PVRSE CERTIFIED RAPID SHUTDOWN DEVICE (RSD)

RETROFIT PV MODULES

- MCIS ARE LOCATED AT ROOF LEVEL, JUST UNDER THE PV MODULES IN ACCORDANCE WITH 690.12 REQUIREMENTS
- THE QUANTITY OF MCIS PER STRING IS DETERMINED BY STRING LENGTH
 - NUMBER OF MODULES BETWEEN MCI UNITS = 0–3
 - MAXIMUM NUMBER OF MODULES PER MCI UNIT = 3
 - MINIMUM NUMBER MCI UNITS = MODULE COUNT/3

*Exception: Tesla (Longi) modules installed in locations where the max Voc for 3 modules at low design temperature exceeds 165V shall be limited to 2 modules between MCIs.

PLEASE REFER TO MCI CUTSHEET AND PVRSA INSERT FOR MORE INFORMATION



① (2) AWG, PV Wire, 600V, Black

DC



To the Architectural and Historic Review Board,

Tesla Energy Operations has been contracted by John Thompson to install a roof mounted solar photovoltaic system paired with a battery energy storage system. The intent of the project is to provide sustainable energy production and storage to the home located at #6 3rd St. Warwick, NY. Please find the description of the project scope below.

Roof mounted photovoltaic panels are proposed to be installed in all viable locations on the roof, including the North, South, East, and West facing roof surfaces (see Sheet 3 of construction documents). The proposed panel locations are to adhere to current fire code requirements to provide Fire Set Backs (FSBs) at the ridges of the home as well as access pathways to the ridge for first responders. Surface mounted conduit will be used to create direct-current carrying circuits between panel arrays and down to Balance of Systems.

Surface mounted on the home in the vicinity of the home's utility meter on the East side will be the Energy Gateway (Relay) which serves as the transfer switch in the event of a loss of power event. Also located in that area will be a push-button rapid shut down (RSD) switch to immediately shut down DC power from the panels on roof. (See sheet 8) Also located along the East side of the home, but more Southern along the wall, a concrete equipment pad will be poured to support the battery energy storage system along with the solar inverter equipment. A short trench of not more than 3' long and 24" deep will be dug between the concrete pad and the home and PVC conduit will be dropped in place to run conductors through to power this equipment.

Equipment will be marked and labeled in accordance with the National Electric Code standards as indicated on pages 10,11, and 12.

The duration of the project is expected to last 2 days of a full crew on site, not including hosting town officials for required inspections.

Please let us know if further information or clarification of this scope or attached plans is required.

Thank you,

Morgan Lawless
Permitting & Inspections Manager
E.mlawless@tesla.com T. 603.260.0520

November 12, 2024

Certification Letter

Project/Job # 1095994

Project Address: Thomson Residence
6 3rd St
Warwick, NY 10990

AHJ
Tesla Operations Center

Warwick Village
New Windsor

Design Criteria:

- Applicable Codes = Structure: 2020 EBCNYS; PV: 2020 RCNYS/BCNYS with 2020 NYSUCS, ASCE 7-16, and 2018 NDS
- Risk Category = II
- Wind Speed = 115 mph (3-s Gust - Vult), Exposure Category C, Directional Procedure for Rooftop Solar Panels
- Ground Snow Load = 40 psf
- MP2: RDL = 10 psf, RSL = 27.8 psf, PVSL = 15.3 psf
- MP4: RDL = 9.5 psf, RSL = 27.8 psf, PVSL = 18.1 psf
- MP3: RDL = 9.5 psf, RSL = 27.8 psf, PVSL = 18.1 psf
- MP1: RDL = 10 psf, RSL = 27.8 psf, PVSL = 15.3 psf

Note: Per IBC 1613.1; Seismic check is not required because $S_s = 0.243 < 0.4g$ and Seismic Design Category (SDC) = B < D

To Whom It May Concern,

A structural evaluation of loading was conducted for the above address based on the design criteria listed above.

Based on this evaluation, I certify that the alteration to the existing structure by installation of the PV system meets the prescriptive compliance requirements of the applicable existing building and/or new building provisions adopted/referenced above.

Additionally, I certify that the PV module assembly including all standoffs supporting it have been reviewed to be in accordance with the manufacturer's specifications and to meet and/or exceed all requirements set forth by the referenced codes for loading.

The PV assembly hardware specifications are contained in the plans/docs submitted for approval.

Installer shall verify existing roof framing is in suitable condition and does not exhibit any signs of structural damage which may diminish the capacity of its members or connections prior to commencement of PV installation. Installer verification of the mounting planes noted above is required because some or all of the framing was not observed prior to the structural evaluation performed for this report.





Owner Authorization

I, Tia Thomson, am the owner of the property located at
6 Third St, Warwick, NY 10990, hereby appoint Tesla, its agents,

servants and employees, to act as my agent for purposes of the following:

- 1) The preparation, execution and submission of a permit application on my behalf to install a solar system on my property.
- 2) Authorizing agents of the municipality to enter and inspect the work being performed pursuant to such permit on my property; and
- 3) Undertaking such other and further actions on my behalf as may be necessary to effectuate the installation of a solar system on my property.

This Authorization shall be effective for 12 months from the date of execution and shall be deemed expired thereafter.

Tia M. Thomson

Owner signature

10/31/21

Date



VILLAGE OF WARWICK
INCORPORATED 1867



RECEIVED

11/12/24

Certificate of No Exterior Effect Application

Architectural and Historic Review Board (AHDRB)

Application Fee \$50.00

☒ Paid Check # 10178 50

Applicant Information

Date 11/12/24

Name: Angel Martinez Garces

Mailing Address: 15 Green St, Franklin, NJ, 07416

Phone Number: 845-538-3836 Alt. Phone Number

Email Address: Am6059143@gmail.com

Project Information

Business Name (if applicable) G's Warwick Diner

Project Address: 32 Main Street, Warwick, NY S/B/L #

Property Owner:

* The certificate of no exterior effect or certificate of appropriateness required under §7-7 and §7-8 of this chapter as a condition precedent to any alteration relating to any improvement in property located within the (Historic) district.

Be sure to carefully read through the application and complete all sections and provide all requested information. Any missing or incorrect information will result in delays with the application process.

Please read the Village of Warwick Zoning Code, Article VIII Warwick Village Historic District §145-24 through §145-24.1, for information such as criteria, procedure, exceptions, etc.

The Zoning Code is available on the Village's website: www.villageofwarwick.org

Please read the Village of Warwick Code, Architectural and Historic District §5-1 through §5-6 and §7-1 through §7-14. The Village of Warwick Code is available on the Village's website: www.villageofwarwick.org

The following information must be included with the application:

1. A typed letter addressed to the Architectural and Historic Review Board describing the intent of the project, please be sure to include details such as exterior aesthetic renovations, additions, and changes.
2. Include (if applicable) renderings such as site plans, examples of paint/stain colors, roofing, siding, windows/trim, chimneys, fencing, retaining walls, lighting, landscaping, paving, walkways, porches/decks, steps and any other exterior designs elements and materials.
 - a. If the project includes renderings or sight plans, please include (4) four paper copies as well as an electronic copy in the form of a PDF.

Completed applications along with all required paperwork can be dropped off or mailed to Village Hall, Attn. Building/Planning Department, P.O. Box 369, 77 Main Street, Warwick, NY 10990 and/or emailed to: planning@villageofwarwick.org

77 Main Street
Post Office Box 369
Warwick, NY 10990
www.villageofwarwick.org



(845) 986-2031
FAX (845) 986-6884
mayor@villageofwarwick.org
clerk@villageofwarwick.org

VILLAGE OF WARWICK

INCORPORATED 1867



RECEIVED

11/12/24

Alteration/Relocation of a Permanent Sign Application

Application Fee \$50.00

☒ Paid Check # 1018 50

Project Information	Date: <u>11/12/24</u>
Applicant Name: <u>Angel Martinez Garas</u>	
Name of Business: <u>G's Warwick Diner</u>	
Project Location: <u>32 Main St Warwick, NY, 10990</u> Warwick, New York 10990	
Mailing Address: _____	
Phone Number: <u>845-538-3836</u>	Alt. Phone Number: _____
Email Address: <u>Am605948@gmail.com</u>	
I, the applicant, am the property owner of the project location	
☐ Yes, _____ Date: _____ owner's signature	
☒ No *If the applicant is not the property owner, then the applicant must present a notarized Property Owner Acknowledgement Form along with this application. (§ 145-81.C.6) See attached form.	

Be sure to carefully read through the application and complete all sections and provide all requested information. Any missing or incorrect information will result in delays with the application process.

Please read the Village of Warwick Zoning Code, Article VIII Signs §145-81 through §145-99, for information such as design criteria, illumination, prohibited signs, etc.

The Zoning Code is accessible on the Village's website www.villageofwarwick.org

1. For signs to be located on buildings, linear frontage of the building is required _____ feet/inches

2. Zoning district: _____

*To find your district go to: <https://villageofwarwick.org/wp-content/uploads/2018/01/zoning-map-2017-v2-090317.pdf>

a. The project is zoned within the Historic District: ☒ Yes ☐ No

*Please use the following link to see the Historic District boundaries:

https://villageofwarwick.org/postings/compplan/Fig4--historic_district.pdf

*For projects located within the Historic District, A Certificate of No Effect or of Appropriateness is required from the Architectural Historic District Review Board (AHDRB). The review process takes place at an AHDRB regularly scheduled meeting. The Alteration/Relocation of a permanent sign within the Historic District does not need to be presented before the Planning Board. §7-3B.

3. Sign Design: a scaled drawing of the sign showing the following:

*For sign guidelines, please visit the Zoning Code listed above.

- Type of sign, shape, size, and materials.
- Graphic design, including lettering, pictorial matter, and sign colors with color swatches.
- The visual message, text, copy or content of the sign.

- d. The method of illumination, if any, including type of lamp, wattage, and the position of lighting or other extraneous devices. A photometric plan and manufacturers cut sheets showing lighting levels and potential glare from illumination may be required in accordance with § 145-91.C. and § 145-104.B.10 of the Zoning Law.
 - e. Landscaping, if any, including types of vegetation, location of plantings, and planting and maintenance schedule.
4. Sign Location: a plan, drawn to scale, shall be submitted showing the following:
 - a. If a freestanding sign, a full description of the placement of the proposed sign, specifically its location on the premises, its orientation, and its position in relation to adjacent buildings, structures, roads, driveways, property lines, other signs, lighting fixtures, walls, and fences.
 - b. If an awning, window, wall, or projecting sign, the placement of the proposed sign, which shall include: location on the awning, window, wall or building; the size of the awning, window, or linear footage of the building; projection from the building, if relevant; and the proposed position of the sign in relation to adjacent signs and lighting fixtures.
 5. If the applicant is not the owner of the property on which the sign is to be located written permission from the property owner is required. Please refer to the Property Owner Acknowledgement Form.
 6. Attach or email a typed description describing the project in detail to planning@villageofwarwick.org

The Code Enforcement Officer shall determine that the sign will meet the criteria in §145-81.D and §145-81.J. If, in the judgment of the Code Enforcement Officer, sufficient doubt exists as to whether the application can comply with the design criteria, referral shall be made to the Planning Board within ten (10) days of receipt of the application at a regularly scheduled Planning Board meeting. §145-81.B.3

The Planning Board, within ten (10) days of its receipt of an application at a regularly scheduled Planning Board meeting, for a permanent sign alteration or relocation, shall refer the application to the Architectural Historic District Review Board (AHDRB) for comment. §145-81.B.3

The AHDRB shall review the application and provide comment to the Planning Board within thirty (30) days of its receipt of the sign application. Failure of the AHDRB to provide comment to the Planning Board within thirty (30) days shall be considered as no comment on a sign application. The Planning Board shall consider the comments of the AHDRB and the application shall then consider the design criteria §145-81.B.3

(For projects located within the Historic District) The certificate of no exterior effect or certificate of appropriateness required under §7-7 and §7-8 of this chapter as a condition precedent to any alteration relating to any improvement in property located within the (Historic) district. Any building or fixture located within the district or subject to the provisions of this chapter, including light fixtures, outdoor signs, and other outdoor advertising fixtures. §7-3.B

The Planning Board meets the 2nd Tuesday of the month. The AHDRB meets on the 1st Tuesday of the month.

Please carefully review your application to ensure all required information is included with submission.

Any missing information will cause delays in the procedure.

Sign permits are valid for (6) months from the issue date.

Applicant Signature X Angel H Garces Date X 11/12/24

77 Main Street
Post Office Box 369
Warwick, NY 10990
www.villageofwarwick.org



(845) 986-2031
FAX (845) 986-8884
mayor@villageofwarwick.org
clerk@villageofwarwick.org

VILLAGE OF WARWICK
INCORPORATED 1867



RECEIVED Property Owner Acknowledgement Form
(for use with sign applications)
11/12/24

Project Information

Applicant Name: Angelo Martinez Garces
Name of Business: G's Warwick Diner
Address of Proposed Sign: 32 Main Street, Warwick

Property Owners Information

Name: 32 Main Warwick, LLC
Mailing Address: PO Box 600, Warwick, NY 10990
Phone Number: 845 986 4111 Alt. Phone Number _____
Email Address: RC@Kennedycoinc.com

I, 32 Main Warwick, LLC, owner of 32 Main Street, Warwick,
(printed name of property owner) (address of property)

Warwick, NY 10990, grant permission to G's Warwick Diner to add a new sign or to
(printed name of applicant)

modify/relocate an existing sign located on my property.

Rafel G. Garces 32 Main Warwick, LLC 11/11/24
Signature of Owner Date

Form must be notarized.

State of New York

County of Orange

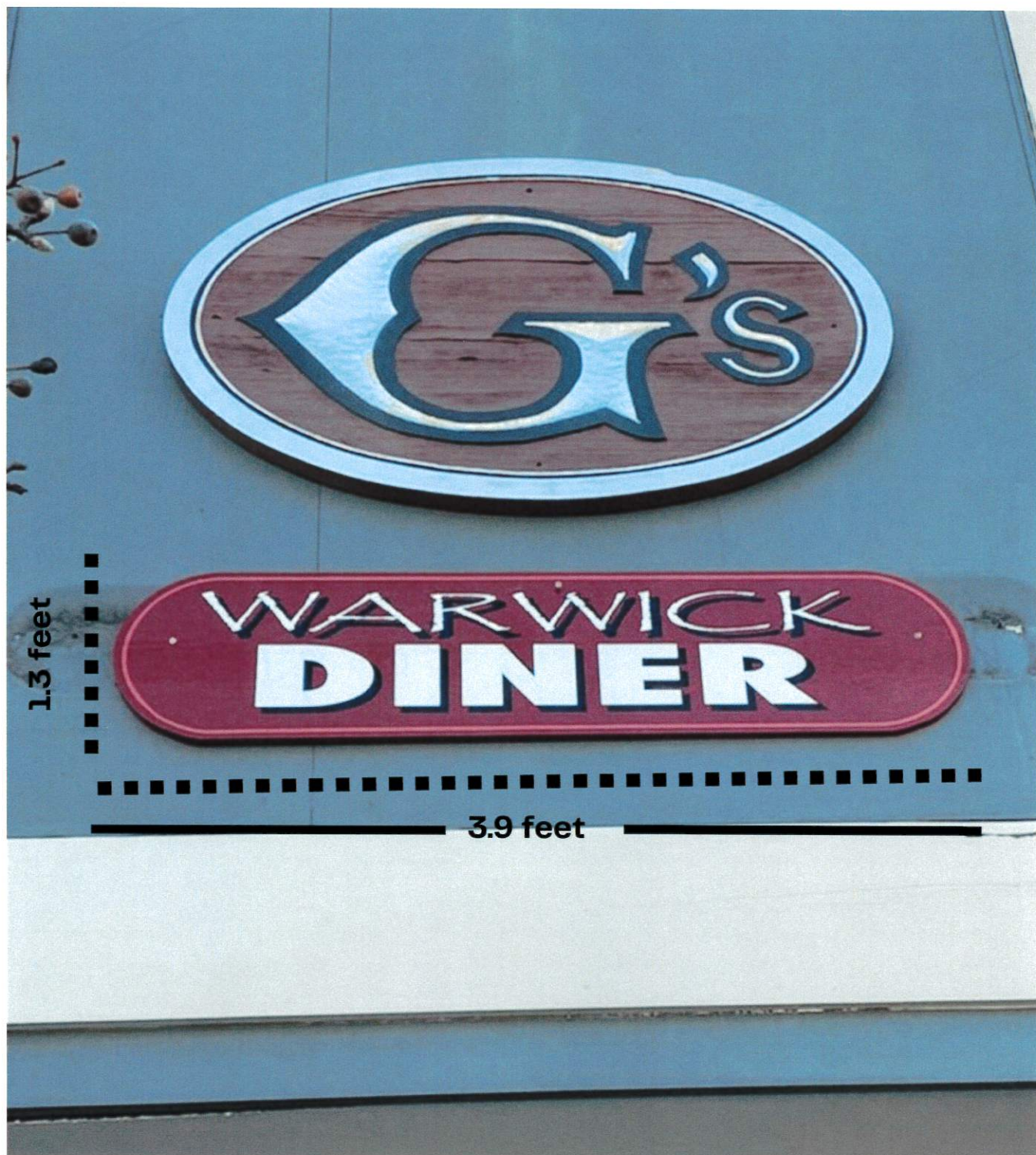
Subscribed and sworn before me this

11th day of November, 20 24
Kim Alyse Gratzel
(signature of notary)

STAMP

KIM ALYSE GRATZEL
NOTARY PUBLIC-STATE OF NEW YORK
No. 01GR6396883
Qualified in Orange County
My Commission Expires 08-26-2027

This form must be completed, notarized, and presented with a New Sign Application or with an Alteration/Relocation Sign Application only if the sign applicant is not the property owner. (§ 145-81.C.6)
Missing paperwork will cause a delay in the review process.



32 MAIN ST SIGN REVIEW 11/19/2024

EXISTING LIGHT + MSG





VILLAGE OF WARWICK
INCORPORATED 1867

Date Submitted: 11/12/24

Pls. Review

SIGN APPLICATION TO BE APPROVED BY BUILDING INSPECTOR

Project Name: G's WARWICK DWER

Address: 32 MAIN ST

Sign Design is Approved:

1. Zoning District: CB

2. Sign Type: WALL

3. Size: OK 145-81.D.5.a

4. Design: OK SEE BOTH 145-81.J.1 + 145-81.J.2.e

5. Lettering Percentage: OK 145-81.J.3

6. Location of Sign: OK 145-81.J.2.e

7. Illumination: ~~NO PROPOSED~~ EXISTING ILLUMINATION
APPEARS COMPLIANT

COMMENTS: _____

Boris Rudzinski, Building Inspector: [Signature] 11/19/2024

77 Main Street
Post Office Box 369
Warwick, NY 10990
www.villageofwarwick.org



(845) 986-2031
FAX (845) 986-6884
mayor@villageofwarwick.org
clerk@villageofwarwick.org

VILLAGE OF WARWICK
INCORPORATED 1867

Certificate of No Exterior Effect Application

Architectural and Historic Review Board (AHDRB)

Application Fee \$50.00

☒ Paid Check # 176

Applicant Information

Name: Kasandra Nrecaj
Mailing Address: _____
Phone Number: 845-717-9834 Alt. Phone Number _____
Email Address: KasandraNrecaj@gmail.com

Date _____

Project Information

Business Name (if applicable) Kazi Hair Lounge
Project Address: 5 1/2 South St. Unit B S/B/L # 211-4-17
Property Owner: Gibbenstar

* The certificate of no exterior effect or certificate of appropriateness required under §7-7 and §7-8 of this chapter as a condition precedent to any alteration relating to any improvement in property located within the (Historic) district.

Be sure to carefully read through the application and complete all sections and provide all requested information. Any missing or incorrect information will result in delays with the application process.

Please read the Village of Warwick Zoning Code, Article VIII Warwick Village Historic District §145-24 through §145-24.1, for information such as criteria, procedure, exceptions, etc.
The Zoning Code is available on the Village's website: www.villageofwarwick.org

Please read the Village of Warwick Code, Architectural and Historic District §5-1 through §5-6 and §7-1 through §7-14. The Village of Warwick Code is available on the Village's website: www.villageofwarwick.org

The following information must be included with the application:

1. A typed letter addressed to the Architectural and Historic Review Board describing the intent of the project, please be sure to include details such as exterior aesthetic renovations, additions, and changes.
2. Include (if applicable) renderings such as site plans, examples of paint/stain colors, roofing, siding, windows/trim, chimneys, fencing, retaining walls, lighting, landscaping, paving, walkways, porches/decks, steps and any other exterior designs elements and materials.
 - a. If the project includes renderings or sight plans, please include (4) four paper copies as well as an electronic copy in the form of a PDF.

Completed applications along with all required paperwork can be dropped off or mailed to Village Hall, Attn. Building/Planning Department, P.O. Box 369, 77 Main Street, Warwick, NY 10990 and/or emailed to: planning@villageofwarwick.org

The certificate of no exterior effect or certificate of appropriateness required under §7-7 and §7-8 of this chapter as a condition precedent to any alteration relating to any improvement in property located within the district; including but not limited to houses, stores, warehouses, churches, schools, barns, fences, outhouses, pumps, gravestones, light fixtures, outdoor signs and other outdoor advertising fixtures. §7-3

§ 7-6. Regulation of alterations.

A. It shall be unlawful for any owner or person occupying property located within the district, or any other person, to make, permit or maintain any alteration to any improvement located within the district unless the Board has previously issued a certificate of no exterior effect or a certificate of appropriateness.

B. No application shall be approved and no permit shall be granted by the Building Inspector, Planning Board, Zoning Board of Appeals or Board of Trustees regarding the alteration of any improvement located within the district unless a certificate of no exterior effect or of appropriateness has been obtained from the Board. When such an application is received by the Building Inspector, Planning Board, Zoning Board of Appeals or Board of Trustees, a copy shall be sent to the Board, accompanied by a request for a certificate of appropriateness in relation to the work specified in the application.

The AHDRB meets on the 1st Tuesday of the month.

Please carefully review your application to ensure all required information is included with submission.

Any missing information will cause delays in the procedure.

Applicant Signature + Kasandra Nreay Date + 10/15/24

Internal Use Only

☐ Application complete as per code

☐ Application reviewed by the AHDRB on _____ meeting date

☐ Approved

☐ Approved with modifications

☐ Denied

☐ Certificate of No Exterior Effect issued _____ date

☐ Applicant notified via email/letter

☐ Building Inspector, Mayor, Village Board, Planning Board, and ZBA have been notified of the decision. §7-12B



VILLAGE OF WARWICK
INCORPORATED 1867

New Permanent Sign Application

Application Fee \$50.00

☒ Paid Check # 176

Project Information		Date: _____
Applicant Name: <u>Kassandra Nrecay</u>		
Name of Business: <u>Kazi Hair Lounge</u>		
Project Location: <u>5 1/2 South St. Warwick NY</u> S/B/L # <u>211-4-17</u>		
Mailing Address: _____		
Phone Number: <u>845-717-9834</u> Alt. Phone Number: _____		
Email Address: <u>Kassandranrecay@gmail.com</u>		
I, the applicant, am the property owner of the project location		
☐ Yes, _____ Date: _____ owner's signature		
☒ No *If the applicant is not the property owner, then the applicant must present a notarized Property Owner Acknowledgement Form along with this application. (§ 145-81.C.6) See attached form.		

Be sure to carefully read through the application and complete all sections and provide all requested information. Any missing or incorrect information will result in delays with the application process.

Please read the Village of Warwick Zoning Code, Article VIII Signs §145-81 through §145-99, for information such as design criteria, illumination, prohibited signs, etc.

The Zoning Code is accessible on the Village's website www.villageofwarwick.org

- For signs to be located on buildings, linear frontage of the building is required _____ feet/inches
- Zoning district: _____
*To find your district go to: <https://villageofwarwick.org/wp-content/uploads/2018/01/zoning-map-2017-v2-090317.pdf>
- Sign Design: a scaled drawing of the sign showing the following:
*For sign guidelines, please visit the Zoning Code listed above.
 - Type of sign, shape, size, and materials.
 - Graphic design, including lettering, pictorial matter, and sign colors with color swatches.
 - The visual message, text, copy or content of the sign.
 - The method of illumination, if any, including type of lamp, wattage, and the position of lighting or other extraneous devices. A photometric plan and manufacturers cut sheets showing lighting levels and potential glare from illumination may be required in accordance with § 145-91.C. and § 145-104.B.10 of the Zoning Law.
 - Landscaping, if any, including types of vegetation, location of plantings, and planting and maintenance schedule.

77 Main Street
Post Office Box 369
Warwick, NY 10990
www.villageofwarwick.org



(845) 986-2031
FAX (845) 986-6884
mayor@villageofwarwick.org
clerk@villageofwarwick.org

VILLAGE OF WARWICK
INCORPORATED 1867

Property Owner Acknowledgement Form
(for use with sign applications)

Project Information

Applicant Name: Kassandra Nrecaj
Name of Business: Kazi Hair Lounge
Address of Proposed Sign: 5 1/2 South St Unit B Warwick NY 10990

Property Owners Information

Name: Gibbenstar, LLC Christine Staritz
Mailing Address: 3 Forrester Ave Warwick NY
Phone Number: 845-258-0054 Alt. Phone Number _____
Email Address: Chris.staritz@randrealty.com

I, CHRISTINE STARITZ, owner of 5 1/2 South Street,
(printed name of property owner) (address of property)

Warwick, NY 10990, grant permission to KASSANDRA NRECAJ to add a new sign or to
(printed name of applicant)

modify/relocate an existing sign located on my property.

Christine Staritz
Signature of Owner

10/8/24
Date

Form must be notarized.

State of New York

County of Orange

Subscribed and sworn before me this

8 day of October, 2024
[Signature]
(signature of notary)

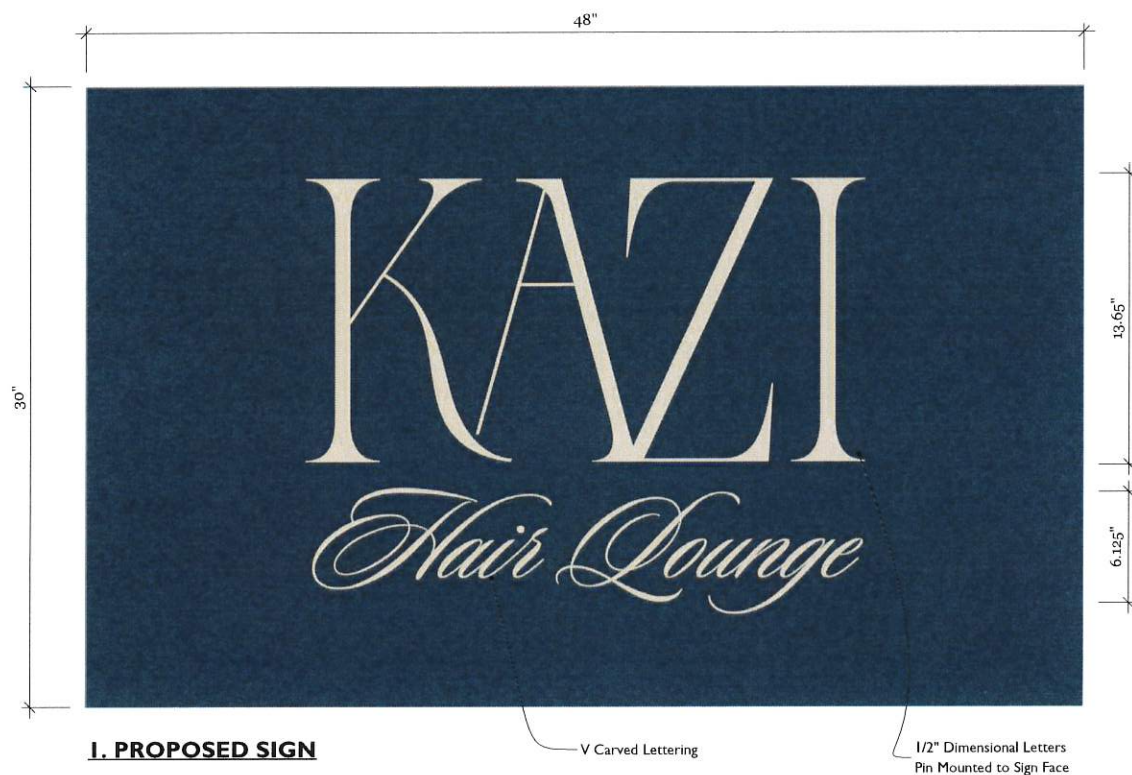
CHERYL A. MCCLEAVER
Notary Public, State of New York
No. 01MC6083299
Qualified in Orange County
Commission Expires November 12, 2026

This form must be completed, notarized, and presented with a New Sign Application or with an Alteration/Relocation Sign Application only if the sign applicant is not the property owner. (§ 145-81.C.6)
Missing paperwork will cause a delay in the review process.

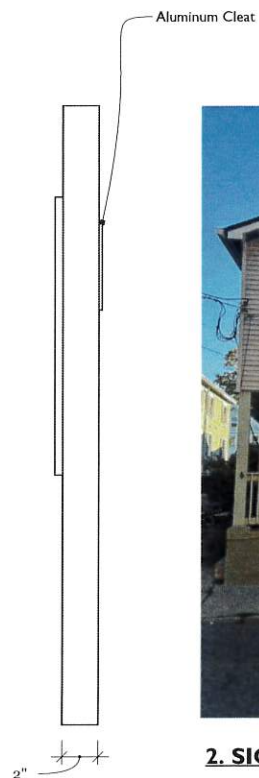


RECEIVED

11/12/24



I. PROPOSED SIGN



2. SIGN LOCATION

3. SPECIFICATIONS

- Sign carved from High Density Urethane
- Primed and Painted to Match Benjamin Moore 2061-30 Bermuda Blue and OC-148 Montgomery White



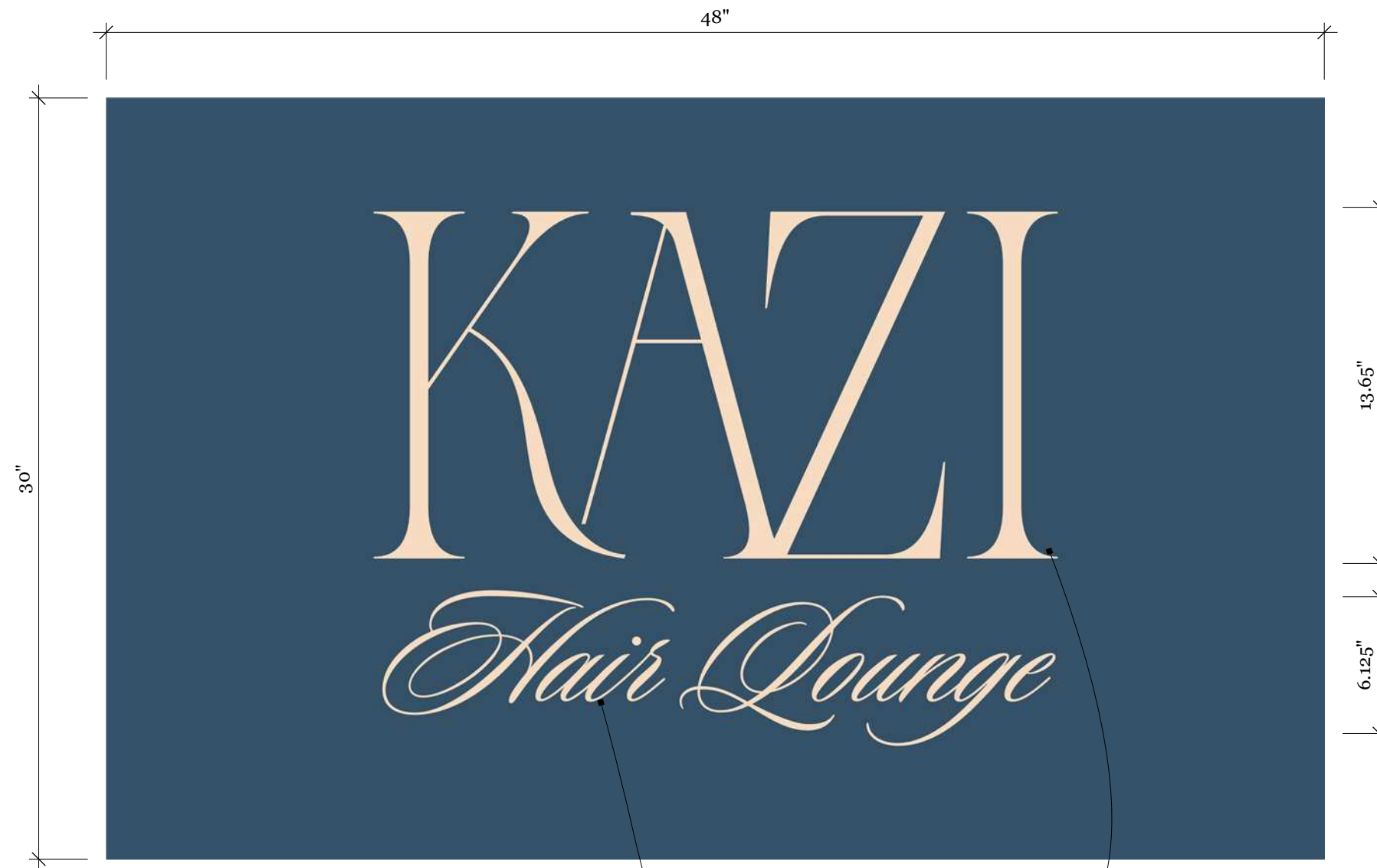
Raven Lake Studio
28 Church Street Suite 10
Warwick, NY 10990
(914) 310-1365
www.ravenlakestudio.com

KAZI Hair Lounge
5 1/2 South Street, Warwick, NY 10990

Sign 11/5/24

REVISIONS	
HP/MD/YY	REMARKS
1	
2	
3	
4	
5	

A 01



I. PROPOSED SIGN

V Carved Lettering

1/2" Dimensional Letters
Pin Mounted to Sign Face

2"

Aluminum Cleat



2. SIGN LOCATION

3. SPECIFICATIONS

- Sign carved from High Density Urethane
- Primed and Painted to Match Benjamin Moore 2061-30 Bermuda Blue and OC-148 Montgomery White



Raven Lake Studio
28 Church Street Suite 10
Warwick, NY 10990
(914) 310-1365
www.ravenlakestudio.com

KAZI Hair Lounge
5 1/2 South Street, Warwick, NY 10990

Sign 11/5/24

REVISIONS

	MM/DD/YY	REMARKS
1		
2	--/--/--	...
3	--/--/--	...
4	--/--/--	...
5	--/--/--	...

01

A



VILLAGE OF WARWICK

INCORPORATED 1867

Date Submitted: ~~10/16/23~~ 11/12/24

SIGN APPLICATION TO BE APPROVED BY BUILDING INSPECTOR

Project Name: Kazi Hair Lounge
Address: 5 1/2 South St. Unit B

Sign Design is Approved:

1. Zoning District: CB
2. Sign Type: Wall
3. Size: UNDER 12 sq ft TOTAL OK 145-81.0.5.a
4. Design: OK 145-81.1.2.c
5. Lettering Percentage: OK 145-81.1.3
6. Location of Sign: OK 145-81.1.2.e
7. Illumination: EXISTING ILLUMINATION APPEARS COMPLIANT 145-81.H

COMMENTS: EXISTING ILLUMINATION MAY NEED TO BE SHIELDED

Boris Rudzinski, Building Inspector: [Signature]

Return Date: 11/19/2024



VILLAGE OF WARWICK
INCORPORATED 1867



RECEIVED

11/12/24

Certificate of No Exterior Effect Application

Architectural and Historic Review Board (AHDRB)

Application Fee \$50.00

☒ Paid Check # 50

chk.
18872

Applicant Information

Date 11/11/24

Name: Thomas J. DeGraw

Mailing Address: 254 State School Road, Warwick NY 10990

Phone Number: 845-343-8510 Alt. Phone Number _____

Email Address: tfolino@degrawanddehaan.com

Project Information

Business Name (if applicable) _____

Project Address: 44 Colonial Avenue S/B/L # 208 / 1 / 22

Property Owner: Frank and Lisa Madonna

* The certificate of no exterior effect or certificate of appropriateness required under §7-7 and §7-8 of this chapter as a condition precedent to any alteration relating to any improvement in property located within the (Historic) district.

Be sure to carefully read through the application and complete all sections and provide all requested information. Any missing or incorrect information will result in delays with the application process.

Please read the Village of Warwick Zoning Code, Article VIII Warwick Village Historic District §145-24 through §145-24.1, for information such as criteria, procedure, exceptions, etc.
The Zoning Code is available on the Village's website: www.villageofwarwick.org

Please read the Village of Warwick Code, Architectural and Historic District §5-1 through §5-6 and §7-1 through §7-14. The Village of Warwick Code is available on the Village's website: www.villageofwarwick.org

The following information must be included with the application:

1. A typed letter addressed to the Architectural and Historic Review Board describing the intent of the project, please be sure to include details such as exterior aesthetic renovations, additions, and changes.
2. Include (if applicable) renderings such as site plans, examples of paint/stain colors, roofing, siding, windows/trim, chimneys, fencing, retaining walls, lighting, landscaping, paving, walkways, porches/decks, steps and any other exterior designs elements and materials.
 - a. If the project includes renderings or sight plans, please include (4) four paper copies as well as an electronic copy in the form of a PDF.

Completed applications along with all required paperwork can be dropped off or mailed to Village Hall, Attn. Building/Planning Department, P.O. Box 369, 77 Main Street, Warwick, NY 10990 and/or emailed to: planning@villageofwarwick.org

The certificate of no exterior effect or certificate of appropriateness required under §7-7 and §7-8 of this chapter as a condition precedent to any alteration relating to any improvement in property located within the district; including but not limited to houses, stores, warehouses, churches, schools, barns, fences, outhouses, pumps, gravestones, light fixtures, outdoor signs and other outdoor advertising fixtures. §7-3

§ 7-6. Regulation of alterations.

A. It shall be unlawful for any owner or person occupying property located within the district, or any other person, to make, permit or maintain any alteration to any improvement located within the district unless the Board has previously issued a certificate of no exterior effect or a certificate of appropriateness.

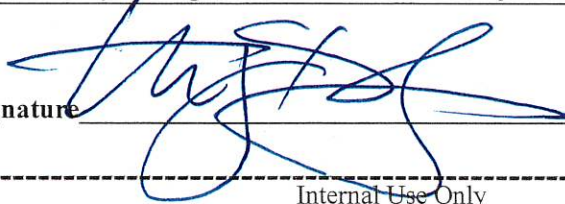
B. No application shall be approved and no permit shall be granted by the Building Inspector, Planning Board, Zoning Board of Appeals or Board of Trustees regarding the alteration of any improvement located within the district unless a certificate of no exterior effect or of appropriateness has been obtained from the Board. When such an application is received by the Building Inspector, Planning Board, Zoning Board of Appeals or Board of Trustees, a copy shall be sent to the Board, accompanied by a request for a certificate of appropriateness in relation to the work specified in the application.

The AHDRB meets on the 1st Tuesday of the month.

Please carefully review your application to ensure all required information is included with submission.

Any missing information will cause delays in the procedure.

Applicant Signature



Date 11/11/24

Internal Use Only

☐ Application complete as per code

☐ Application reviewed by the AHDRB on _____ meeting date

☐ Approved

☐ Approved with modifications

☐ Denied

☐ Certificate of No Exterior Effect issued _____ date

☐ Applicant notified via email/letter

☐ Building Inspector, Mayor, Village Board, Planning Board, and ZBA have been notified of the decision. §7-12B

DEGRAW & DEHAAN

October 29, 2024

Village of Warwick
77 Main Street
Warwick, NY 10990
Attn: Architectural and Historic Review Board

Re: 44 Colonial Avenue, Warwick NY 10990
(New Single-Family Residence)

Dear Members of the AHDRB,

I hope this letter finds you well. I am writing to address the new single-family residence at 44 Colonial Avenue in the Village of Warwick as part of the Certificate of No Exterior Effect Application.

The intention of this project is to construct a new residence that connects with its surrounding context, drawing precedents from historic homes in the Village of Warwick. To meet our client's needs, the project includes a new residence, accessory structure, driveway and pool area on the currently vacant lot.

As part of the application, we have submitted a site plan reflecting the placement of the house, porches, accessory structure, pool, driveway and walkways. In addition, we've provided renderings and elevations detailing the intended materials and color palette.

We hope to fulfill the requirements for the Certificate of No Exterior Effect and look forward to hearing your feedback.

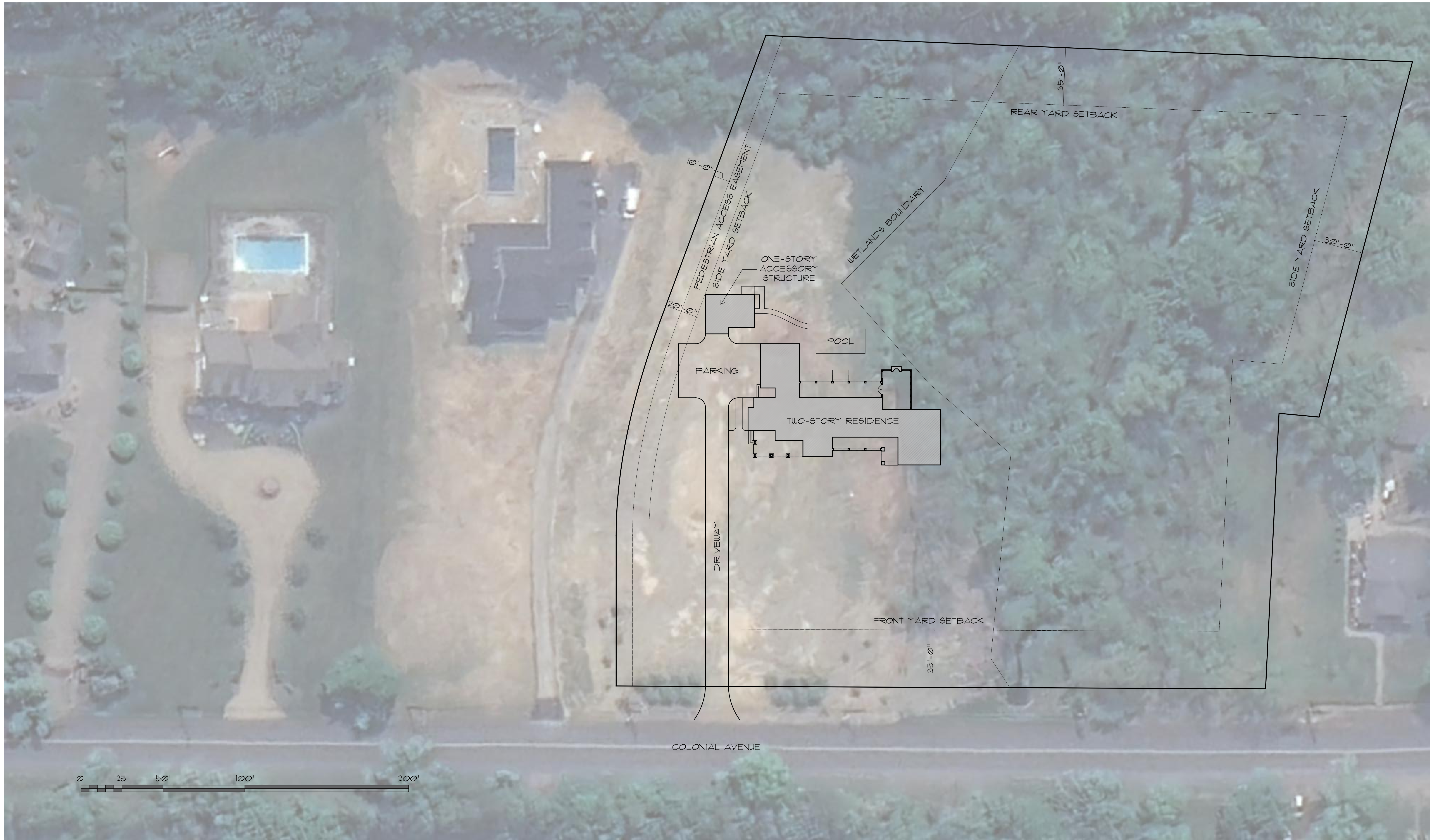
Sincerely,



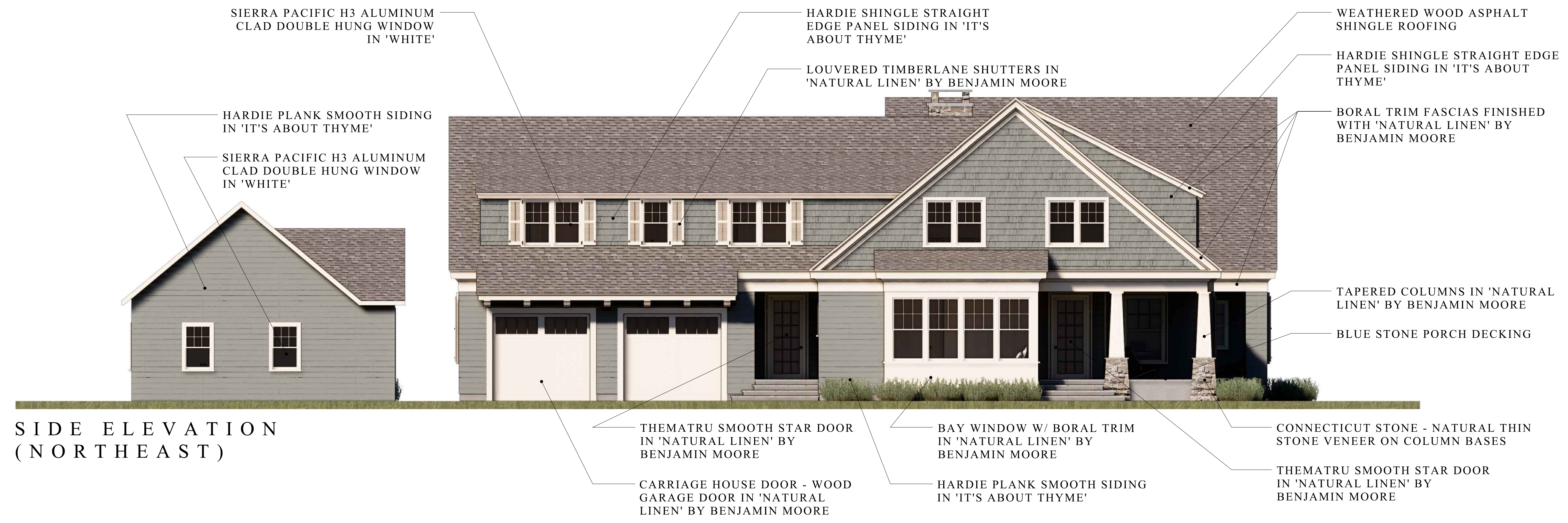
Thomas J. DeGraw
DeGraw & DeHaan Architects, LLP

CC: Frank & Lisa Madonna (Property Owners)

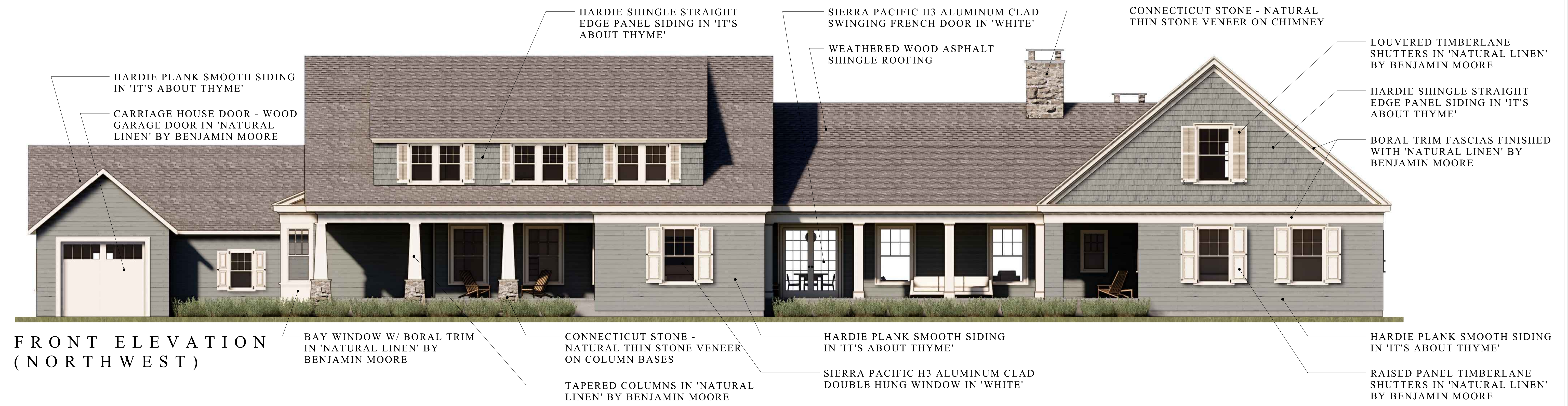




SITE PLAN



SIDE ELEVATION
(NORTHEAST)



FRONT ELEVATION
(NORTHWEST)

ELEVATIONS & MATERIALS



R E N D E R I N G S



DEGRAW & DEHAAN ARCHITECTS



MADONNA RESIDENCE



R E N D E R I N G S

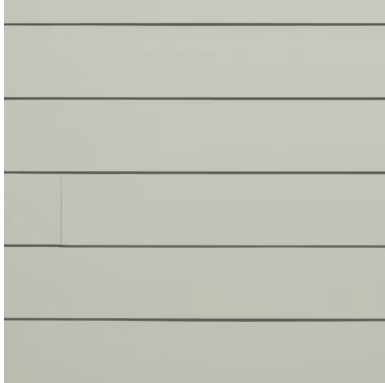


DEGRAW & DEHAAN

Proposed Materials and Colors

*44 Colonial Avenue
Warwick, NY 10990*

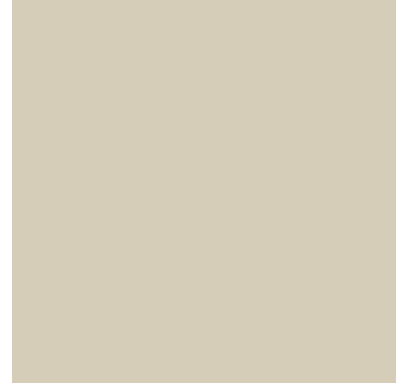
Exterior Materials



James Hardie
Smooth Hardie Plank Siding
5" Exposure
"It's About Thyme" Color



James Hardie
Straight Edge Shingle
5" Exposure
"It's About Thyme" Color



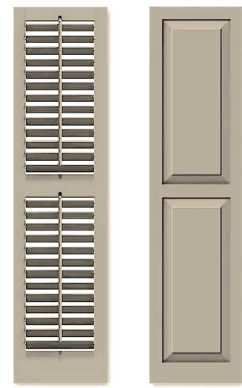
Boral Exterior Trim
Field Painted
Benjamin Moore - Natural Cream



Tamko
Titan XT
Weathered Wood Color



Connecticut Stone
Natural Thin Stone Veneer
Mosaic / Rectangular Blend



Timberlane Shutters
Louver + Raised Panel
Benjamin Moore - Natural Cream



DEGRAW & DEHAAN

Proposed Materials and Colors

*44 Colonial Avenue
Warwick, NY 10990*

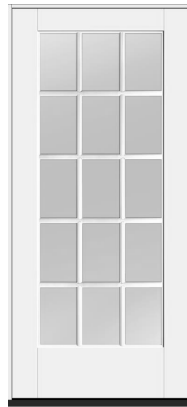
Exterior Doors and Windows



Carriage House Door
Field Painted
Benjamin Moore Natural Linen



Sierra Pacific H3
White Finish
6 over 1 pattern
7/8" Putty SDL



Thermatru Smooth Star
Field Painted
Benjamin Moore Natural Linen





Marie's
Floral
Designs
845 - 814 - 1555





Flower
Shop
Same Day Delivery

NO
TURN
ON RED

RESERVED
PARKING

OPEN
FLOWERS
PLANTS
BALLOONS
COFFEE
GREETING
CARDS



MARIE'S FLORAL DESIGNS

845-814-1555



*MARIE'S
FLORAL
DESIGNS*



845-814-1555



MARIE'S FLORAL DESIGNS

845-814-1555





Marie's Floral Designs

845 - 814 - 1555



Marie's Floral Designs

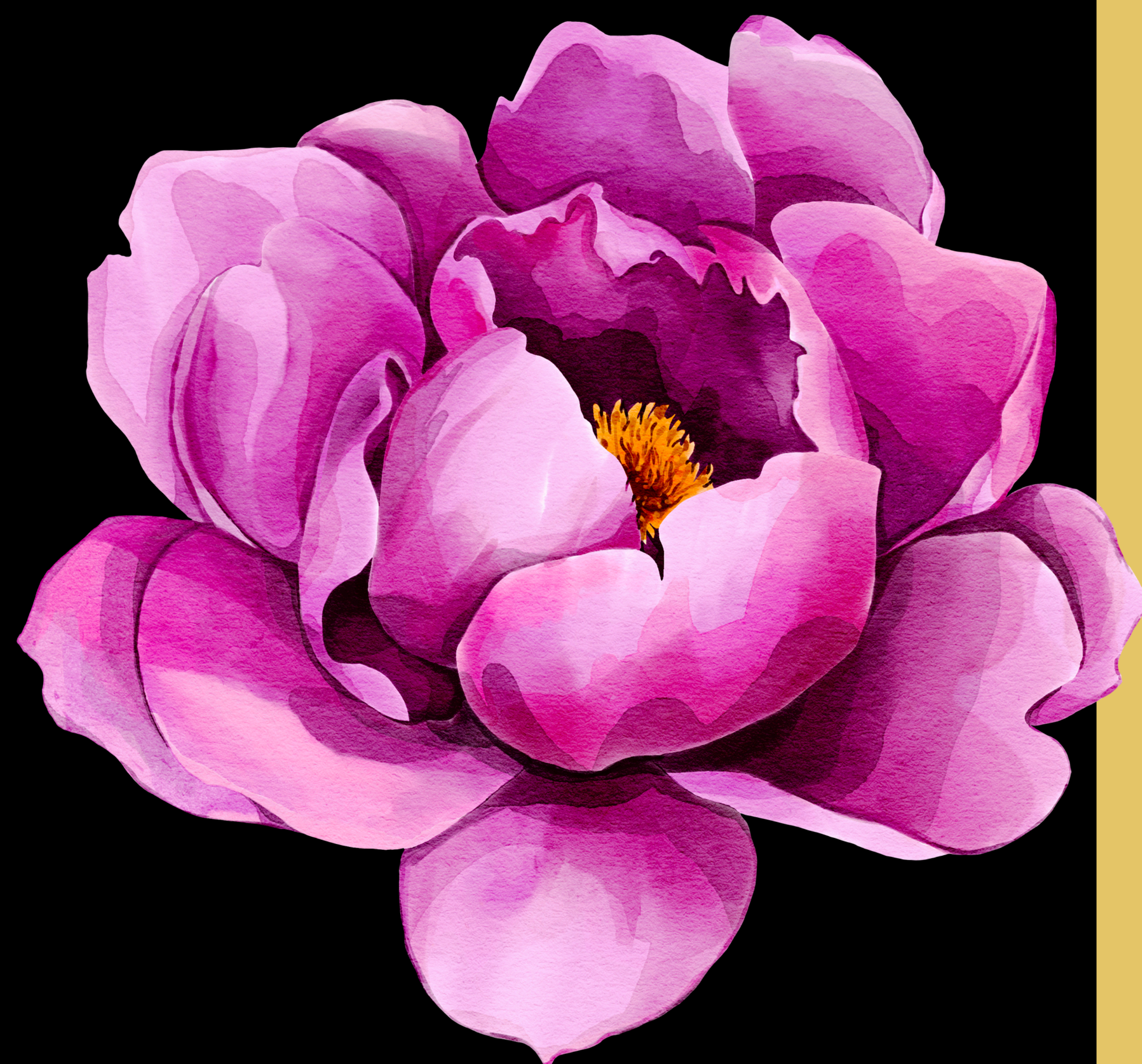
845 - 814 - 1555



Flower Shop

Same Day Delivery





Flower Shop

Same Day Delivery





Flower Shop

Same Day Delivery





Flower Shop

Same Day Delivery







VILLAGE OF WARWICK
INCORPORATED 1867

Date Submitted: 11/20/24



SIGN APPLICATION TO BE APPROVED BY BUILDING INSPECTOR

Project Name: 10 Main St. Marie's Floral Design
Address: 10 Main St.

Sign Design is Approved:

1. Zoning District: CENTRAL BUSINESS
2. Sign Type: WALL SIGNS x 2 OK 145-81.0.5.a
3. Size: 16.5 sq ft + 13.5 sq ft. OK 145-81.0.5.a
4. Design: OK 145-81.J.3
5. Lettering Percentage: OK 145-81.J.3.b
6. Location of Sign: OK 145-81.J.2.c
7. Illumination: NO ILLUMINATION PROPOSED

COMMENTS: _____

Boris Rudzinski, Building Inspector: [Signature]

Date: 11/21/2024